

Code	First Name	Last Name	Session Start Time	Session End Time	Session Title	Abstract Title
9505	Fatima	Abdurrahman	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I11 - Science Communication	Expanding the Scope of Science Communication: Using Youtube for Systemic Change in Physics
9508	Fatima	Abdurrahman	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Educational Technology Posters II	Expanding the Scope of Science Communication: Using Youtube for Systemic Change in Physics
9543	Vidushi	Adlakha	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H06 - How to Analyze and Assess when Conducting PER	Adopting causal inference methods in quantitative physics education research
9544	Philomena	Agu	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F01 - Education Research in K-12	Using Grade Monitoring Scheme to Reduce Chronic Absenteeism among Minority Physics Students
9556	Jonathan	Alfson	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J03 - Effective Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities- Investigating Science Practices	Identifying Science Practices in an Upper-Division E&M Activity
9617	Josephine	Allen	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G05 - PER about Student Collaboration	Exploring students' collective interactions through understanding their individual forms of knowing.
9289	Winter	Allen	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J05 - PER & Assessment Ideas 1	Comparison of rater labeling versus multiple-choice responses for natural language processing to predict student problem solving performance
8877	Carolina	Alvarado	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C05 - PER: Methodology	A qualitative method in education research instructor practices and epistemology: domain analysis on course-based undergraduate research experiences
9681	Matt	Anderson	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H10 - Effective Practices in Educational Technology II	Seeing Virtually: Teaching E&M with Augmented Reality
9391	Roger	Andersson	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B05 - PER: Student Experiences & DEI	Multimodal expressions of disciplinary relevant aspects in inquiry-based physics learning, a tool to investigate meaning-making.
9571	Debbie	Andres	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H01- Fostering Community Through Professional Learning Opportunities II	Identifying the Professional Development Needs of Middle School Science Teachers
9601	Katherine	Ansell	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D08 - Fostering Cooperative Team Environments	A Longitudinal Approach To Center Communication About Group Dynamics In Physics and Engineering Laboratory and Design Classes
9575	Benjamin	Archibeque	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F09 - Advances in Introductory Courses II	Comparing Student Use of Representation of Energy in a Modeling Classroom
9604	Curtis	Asplund	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics Posters	Service and learning in the intersection of physics & public policy
9628	Leslie	Atkins	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H05 - PER into Being a Physics Educator (or LA) and Bolstering Physics Identity	Assessing Physics Educator Programs for Disciplinary Attentiveness
9642	David	Bafus	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I13 - Workshop 1: Technology for Labs	Statistical Data Analysis Utilizing Google Sheets
9146	D.	Baker	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D11 - Data Science in the Undergraduate Curriculum	Teaching Computational Physics in Introductory Courses
9317	Dorian	Baldwin-Bott	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Beyond Introductory Physics Posters II	Focus Group Analysis of Upper-Division Electromagnetic Quadrupole Tutorial
8910	Refath	Bari	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F02 - 21st Century Physics in the Classroom II	Simulating the Action Principle in Optics
9080	Michael	Barnett	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities	Engaging Students and the Public With a Planetarium Show about Dark Matter
9794	Michael	Barnett	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I11 - Science Communication	A Very Successful Planetarium Show for Students and the Public
9413	Bree	Barnett Dreyfuss	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D01 - Social Media to Connect Teachers	Using Social Media to Grow as a Physics Educator
9076	Bree	Barnett Dreyfuss	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G13 - Workshop 3: Demos and Hands-On Activities	Cup of Physics: Hands-on physics activities using cups
9475	Lauren	Bauman	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I06 - PER into Student Understanding (including assessment instruments)	Preliminary Findings from the ACORN Physics Tutorials
9583	Lauren	Bauman	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research Posters II	PhysPort Redesign
9597	Amin	Bayat Barooni	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J10 - Being a Student-Ready Physics Class- II	My endeavors to design interactive and inclusive introductory physics courses
9297	Ernest	Behringer	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Introductory Courses Posters II	Tasks for Introductory Physics Inspired by SpinLaunch
9278	Matthew	Bellis	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D02 - 21st Century Physics in the Classroom	Particle Physics Playground: data and python tools for your classroom!
9018	Matthew	Bellis	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I09 - Some Interesting Bauder Fund Projects	Quantum Party! An educational board game...with quantum mechanics!
9632	Mario	Belloni	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E04: PER into Inclusivity and Accommodations	A PER-based Physics Course on Removing Barriers to Inclusivity in STEM
8930	Jeffrey	Bennett	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A02 - Organizing for Successful Solar Eclipse Events	Outreach with the Totality App and Beyond
8931	Jeffrey	Bennett	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A11 - Climate & Energy in the Classroom	A Free, On-line Text for Middle School Earth & Space Science -- Climate Change Focus
9595	Nancy	Beverly	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B09 - Teaching IPLS- Interactive Poster Session	IPLS Scenario Activities to Increase Student Engagement and Learning

8753	Dmitriy	Beznosko	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Astro (Astronomy and Astrophysics) Posters	Transforming Astronomy courses with exoplanets and search for life in the Universe
8754	Dmitriy	Beznosko	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Astro (Astronomy and Astrophysics) Posters II	Particles fresh from the lab in the Astronomy and Modern Physics courses
8752	Dmitriy	Beznosko	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D11 - Data Science in the Undergraduate Curriculum	Data analysis approach to an introductory physics lab
9450	Bryn	Bishop	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J01 - Effective Practices in K-12	Waves and Sound: A 5th Grade Summer Camp
9191	Scott	Bonham	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Astro (Astronomy and Astrophysics) Posters II	Galileo's Dialogue and Paradigms in Socio-Scientific Conflicts
9162	Victoria	Borish	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I07 - Developing and Evaluating Upper-Level Experiences: Labs and Capstone	Teamwork experiences in a year-long industry senior capstone course
9286	Victoria	Borish	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics: Quantum Posters	Student perspectives about seeing quantum effects in experiments
8728	Jillian	Bornak	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E02 - 21st Century Astronomy in the Classroom	E02 - 21st Century Astronomy in the Classroom
9732	Cherie	Bornhorst	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E13 - Make Do Play and Learn Sharathon - Iron Chef Physics	Iron Chef Physics
9362	Daniel	Borrero	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	DEI Posters	Willamette STEM Fellows: Improving Retention of Underserved Students In The Sciences Through Co-Curricular Support Structures
9427	Amir	Bralin	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F05 - PER into Reasoning in UG Physics	Topic Analysis of Student Essays in a Physics Course for Engineers
9802	Andre	Bresges	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E10 - Digital Measurement, IoT, and AI Technology for Sustainable Development	How Might We Raise Interest in Robotics, Coding, Artificial Intelligence, STEAM and Sustainable Development in Education?
9488	Bill	Bridges	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F04 - PER that helps Investigate Physics Program Effectiveness	Investigating the Assessment Landscape of Physics Graduate Programs
9086	Mary	Brundage	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A04 - PER: Assessment Ideas I	Context dependence of introductory and advanced student reasoning in introductory thermodynamics
9073	Mary	Brundage	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: Intro Courses Posters II	Evolution in student conceptual understanding of electricity and magnetism
9072	Mary	Brundage	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: BFY Posters II	How often can students co-construct knowledge in quantum mechanics?
9620	Ginger	Bryngelson	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities in Labs	Students develop and test models in combined lecture/lab setting with Next-Gen PET Curriculum
9161	Zoe	Buck Bracey	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F13 - Workshop 2: Accessibility and Inclusivity in HS Physics Classrooms	Motivating HS Physics Learning by Designing for Justice with OpenSciEd HS
9352	Danielle	Bugge	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B06 - Teaching About How Science is Done in Your Course	Development of Hypothetico-Deductive Reasoning Skills in ISLE Approach Classrooms
9308	Eric	Burkholder	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E05 - PER into Reasoning in UG Physics	Motivational and performance consequences of over-estimating exam performance
9307	Eric	Burkholder	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Introductory Courses Posters	Equitable approach to introductory calculus-based physics courses focused on problem solving
9593	Daniel	Burns	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B02 - Organizing for Successful Solar Eclipse Events	Activities for appreciating and observing a total eclipse of the Sun
9338	Andrew	Burns	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B03 - Effective Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities in Intro	Emergent Explicit Regulation in Collaborative College Science Classrooms: A Case Study
9158	Kristen	Burson	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E06 - Being a Student-Ready Physics Classroom	Course Modifications to Move Towards Universal Design for Learning
9212	Ana	Cano	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	DEI Posters II	eurodivergent student experiences in ungraded classes
9835	Cerena	Cantrell	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H02 - Astronomy and the Search for Life in the Universe	Leveraging Aliens
9444	Ying	Cao	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B06 - Teaching About How Science is Done in Your Course	Title: Pre-service Teachers' Understandings of Scientific Inquiry
9432	Ashley	Carter	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C07 - Teaching About How Science is Done I & II	Bridging the disconnect between the classroom lab and the research lab
8826	Mara	Casebeer	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A06 - Teaching About How Science is Done to Impact Careers and Professionalism	Educational Methods for First and Second Year Undergraduate Physics Students to Prepare for a Future in Physics
9201	Matthew	Cass	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B02 - Organizing for Successful Solar Eclipse Events	Reaching Rural: Lessons Learned from the 2017 Total Solar Eclipse
9294	Annie	Chase	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J08 - Teamwork in Labs: Guidance for Instruction	Teaching practices to build classroom community and team work in a lab setting
9643	Stephanie	Chasteen	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F07 - Navigating the Faculty Career	The New Faculty Workshop Reimagined: Introducing the Faculty Teaching Institute (FTI)
9324	Ravishankar	Chatta Subramaniam	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F05 - PER into Reasoning in UG Physics	Students' thinking in Instructor-assigned vs student-selected Engineering Design problems

9573	Ting Chia	Chen	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: Intro Courses Posters II	Exploring Connections between Collaborative Assessments and students' Self-Efficacy
9452	Jacquelyn	Chini	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E04: PER into Inclusivity and Accommodations	Applying a Three-Dimensional Framework of Disability Models to Postsecondary Physics Education
9531	Elaine	Christman	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H06 - How to Analyze and Assess when Conducting PER	Beyond the normalized gain: Communicating educational outcomes
9585	Alice	Churukian	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Introductory Courses Posters II	Lecture/Studio at USC: One Year and Counting
9315	David	Clarke	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F02 - 21st Century Physics in the Classroom II	Simulating Reality: Computational Particle Physics Research with First-Year Undergraduates
9410	Mikayla	Cleaver	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H07 - Mentoring Students for Careers in Physics	The SPS Internship Program: Opening Career Pathways
9789	Robert	Close	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Astro (Astronomy and Astrophysics) Posters II	General Relativity as Wave Refraction
9387	Kimberly	Coble	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J02 - Innovations in Teaching Astronomy	Astronomy Majors Challenging the Lone Dead White Man Narrative: Cultural Cosmology Projects
9542	Michael	Cone	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D06 - Undergraduate Research - SPS	Using Physics Demo Development and Outreach as a CURE
9555	Alexander	Conte	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G06 - PER into Student and Instructor Attitudes about Assessment	"I'm just gonna Chegg it": Preliminary insights from auto-ethnographic accounts of students' use of homework solutions
9441	Alexander	Conte	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: BFY Posters II	An account of Student Instructors as Change Agents in Undergraduate Quantum
9545	Colleen	Countryman	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F02 - 21st Century Physics in the Classroom II	Teaching a First-Year Course on Critically Evaluating Science in the Media
9222	Sierra	Crandell	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I01 - Effective Practices in K-12	Empowering Students as Scientists: Redesigning PhysicsQuest to Foster Inclusion and Engagement in Middle School Classrooms
9096	Steve	Croft	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G02 - Astronomy and the Search for Life in the Universe I	BREAKTHROUGH LISTEN: HUMANITY'S BEST CHANCE YET TO MAKE CONTACT
9537	Karen	Cummings	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J07 - Supporting Women Physics Students	Does Groupwork Undermine Self-Efficacy in Female Physics Majors?
9147	Sonja	Cwik	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G04 - PER & DEI I	Instructional implications of equivalent structural equation models of physics identity
9148	Sonja	Cwik	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: DEI Posters II	How the learning environment predicts students' motivational beliefs in physics
9185	Sonja	Cwik	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: DEI Posters	Women have lower physics self-efficacy controlling for grade even in courses in which they outnumber men
9550	Abigail	Daane	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E09 - Advances in Introductory Courses I	How To Talk About Equity In STEM Classes
9498	Rob	Dalka	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C04 - PER: Building a Community of Practice	Considering the Departmental Action Leadership Institute as a community of transformation: What's highlighted and what's missed?
9502	Rob	Dalka	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research Posters II	Considering the implications of communities of transformation as a lens into the Departmental Action Leadership Institute
8741	Kausik	Das	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C02 - 21st Century Physics in the Classroom	Microwave plasma generation technique, its application and integration in EM modules in regular classroom.
9723	Cecilia	Dauer	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H11 - Making Physics Labs and Apparatus More Accessible	Accessibility in Informal Education
9602	Duane	Deardorff	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: Intro Courses Posters	Can Timed Quizzes be the Answer?
9415	Anna	DeJong	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B06 - Teaching About How Science is Done in Your Course	Physics Laboratory write-ups as Scientific Papers
9419	Anna	DeJong	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Astro (Astronomy and Astrophysics) Posters II	Introducing NASA's Geospace Dynamics Constellation (GDC): How it help teach physics and how students can participate.
9633	Dedra	Demaree	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I07 - Developing and Evaluating Upper-Level Experiences: Labs and Capstone	Assessing the Impact of Nuclear Magnetic Resonance Labs
8818	Dwain	Desbien	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A08 - Calling TYCs! About OPTYCs: The Organization for Physics at Two-Year Colleges	Overview of OPTYCs: who we are and what we offer
9368	Matthew	Dew	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J08 - Teamwork in Labs: Guidance for Instruction	Partner Agreements and Equitable Role Distributions in Labs
9471	Alan	DeWeerd	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Labs/Apparatus Posters	Analysis of the current through a diode with a series resistance using the Lambert W function
8837	Sonja	Dieterich	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H09 - Teaching IPLS and using the Living Physics Portal	Medical Physics: Using science to improve medical care
9245	Karim	Diff	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E09 - Advances in Introductory Courses I	Demographics and student success in introductory calculus-based physics at Santa Fe College
9786	Karim	Diff	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Two Year Colleges Posters II	The OPTYCs PER-Interest group: A progress report
9135	Ran	Ding	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Educational Technology Posters II	Visualization and Outreach for Large Scientific Facilities

8763	Nancy	Donaldson	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H09 - Teaching IPLS and using the Living Physics Portal	From IPLS to Upper Division Courses - Physics of Medical Imaging and Radiation Oncology
9616	Darsa	Donelan	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I08 - Teamwork in Labs: Guidance for Instruction	Teaming for Success: Developing Student Skills in Engineering Physics Labs
9449	Constance	Doty	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E04: PER into Inclusivity and Accommodations	Physics Instructor Perspective of Students Who Need Flexible Instructional Strategies
9331	Danny	Doucette	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Labs/Apparatus Posters II	TRIPLE: A novel introductory college physics lab curriculum
9364	Angela	Douglass	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I09 - Some Interesting Bauder Fund Projects	"Shedding Some Light" Spectroscopy Investigation
9305	Byron	Drury	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H07 - Mentoring Students for Careers in Physics	Creating a Community of Peer Mentors at MIT
9758	John	Elwood	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities in Labs	Signal vs. Noise: Lies in the Undergraduate Physics Laboratory
9554	Paul	Emigh	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E09 - Advances in Introductory Courses I	Learning Introductory Physics with Activities: A Multimedia Open-source Textbook Replacement
9513	Samuel	Engblom	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H05 - PER into Being a Physics Educator (or LA) and Bolstering Physics Identity	Examining the teaching practices of LAs in introductory physics labs
9774	Samuel	Engblom	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: Intro Courses Posters	Examining the teaching practices of LAs in introductory physics labs
9405	Larry	Engelhardt	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B11 - Updates from PICUP: Integrating Computation into Undergraduate Physics	Space elevator analysis for introductory physics
9140	Dylan	Fedell	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F13 - Workshop 2: Accessibility and Inclusivity in HS Physics Classrooms	MAKING PHYSICS ACCESSIBLE: A PEDAGOGY FOR ENGAGING HIGH SCHOOL STUDENTS USING SOCIO-SCIENTIFIC ISSUES (SSI)
9143	Dylan	Fedell	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Labs/Apparatus Posters	NEW 3D PRINTS FOR HIGH SCHOOL PHYSICS INVESTIGATIONS
9430	James	Ferrara	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J09 - Some Interesting Bauder Fund Projects	NJAAPT IN ACTION: HONORING THE BAUDERS LEGACY
9516	Christopher	Fischer	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G07 - State and Institutional Challenges for Physics Teacher Prep	Surviving the slings and arrows of outrageous fortune
9500	Madison	Fitzgerald-Russell	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research Posters	A Survey Tool to Assess Team Collaboration Around Instructional Change
9114	Keith	Foreman	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F05 - PER into Reasoning in UG Physics	Effects of Homework Collaboration on Course Performance
9314	Maxwell	Franklin	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J07 - Supporting Women Physics Students	Correlating Attitudes with Persistence in Undergraduate Women
8944	Paul	Fratiello	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D10 - PIRA Session-3D Printed Apparatus for Intro Labs	3D PRINTING ACCESSORIES TO SUPPLEMENT YOUR LAB EQUIPMENT
9166	Roger	Freedman	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J01 - Effective Practices in K-12	Creating a Comic Book to Help Students Learn Problem-Solving
9272	Michael	Freeman	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I05 - PER & Assessment Ideas IV	Using Voting Theory to Guide Assessment Feedback; A Study of Faculty Interpretation of Class Score Distributions
9459	Michael	Freeman	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: BFY Posters II	Using Voting Theory to Guide Assessment Feedback; A Study of Faculty Interpretation of Class Score Distributions
8873	Merideth	Frey	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I07 - Developing and Evaluating Upper-Level Experiences: Labs and Capstone	Making Nuclear Magnetic Resonance More Accessible
9527	Isaura	Gallegos	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G01 - Fostering Community Through Professional Learning Opportunities	Research-Practice Partnerships to Counter High School Teachers Isolation through a Community of Practice Model
9524	Isaura	Gallegos	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	DEI Posters	Fostering psychological safety in team-based undergraduate physics classrooms.
9451	Michael	Gallis	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Educational Technology Posters II	A Virtual Reality Adventure in Electrostatics
9283	Ross	Galloway	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Educational Technology Posters	Analysis of on-the-side text chat in synchronous online lectures
9485	Enrique	Galvez	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A01 - Improving Student Learning of Quantum Mechanics	Complementing Teaching Quantum Mechanics with Quantum Optics Labs
9474	Tyler	Garcia	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G03 - Assessing Upper-Level Courses	Content validation of tasks through evidence from students in assessments through interviews
9487	Tyler	Garcia	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Beyond Introductory Physics Posters II	Content validation of tasks through evidence from students in assessments through interviews
9335	Jacob	Garner	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A05 - PER: Student Experiences & DEI	Research on LGBTQ+ Student Experiences in California
9442	Carlee	Garrett	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research Posters	Broadening Student Learning through Facilitation of Informal Physics Programs
8781	Richard	Gelderman	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A02 - Organizing for Successful Solar Eclipse Events	Prepare your community to get the most from the 8-April-2024 total solar eclipse
8832	Richard	Gelderman	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C06 - Student-Ready Physics in Your Course	Structure, Feedback and Real-World Connections can foster better learning for all

9170	Gayle	Geschwind	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D11 - Data Science in the Undergraduate Curriculum	Representational differences in how students compare measurements
9256	Gerardo	Giordano	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F03 - Innovations in the Classroom	Unconventional Physics: Teaching Temperature by Analogy
9549	Elizabeth	Gire	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E11 - Building Quantum Information Science and Engineering Curriculum for a Diverse Community of Learners- I	Kinesthetic Activities for Learning Quantum Mechanics
9473	Marla	Glover	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	K-12 Posters II	Understanding Scientific Reasoning of High School Students with CMS Data
9477	Merve	GOKGOL	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E01- Education Research in K-12	How to Strengthen the Roots of Physics Knowledge and Increase the Success Rate?
9074	Robert	Goodman	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J10 - Being a Student-Ready Physics Class- II	MAKING PHYSICS FOR ALL A REALITY
9176	Emma	Goulet	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	DEI Posters	Concealed Craftswomen of Physics
9334	Kara	Gray	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F09 - Advances in Introductory Courses II	Considering and Teaching the Values Embedded Energy Concepts
9271	Molly	Griston	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A04 - PER: Assessment Ideas I	A characterization of existing quantum mechanics assessments
9345	Molly	Griston	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: BFY Posters	A characterization of existing quantum mechanics assessments
9499	Qirui	Guo	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J06 - PER into Student Understanding (including assessment instruments)	The Journey of Quantitative Literacy Development: Insights from Physics Majors
9464	Agrim	Gupta	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics Posters	COMSOL Multiphysics modeling for thermally efficient windows
8838	Brooke	Haag	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A08 - Calling TYCs! About OPTYCs: The Organization for Physics at Two-Year Colleges	TYC Leadership Institute
9429	Stephen	Hackler	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J04 - PER & DEI II	Methodologies in assessing student engagement in introductory physics for life sciences
9341	David	Hammer	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F07 - Navigating the Faculty Career	From tough love to lovingkindness — what I've learned from my advisees
9509	Caitlin	Hansen	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities in Labs	Experimental Skills Tests for Undergraduate Introductory Physics Lab
9764	John	Hansen	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F04 - PER that helps Investigate Physics Program Effectiveness	Predicting Upper-level Course Outcomes Using Bayesian Networks
9767	John	Hansen	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: BFY Posters	Predicting Upper-level Course Outcomes Using Bayesian Networks
9596	Kathleen	Harper	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F06 - Being a Student-Ready Physics Classroom	Assessing and Harnessing Student Readiness on the First Day
9165	Andrew	Heckler	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G04 - PER & DEI I	Analytical methods of measuring the effect of practicing a skill on exam performance.
9407	Dustin	Hemphill	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F03 - Innovations in the Classroom	Effective physics instruction in the online classroom
9258	Rachel	Henderson	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H04 - PER & DEI I	Supporting Minoritized Students toward a Bachelor's Degree: The Story of the Drew Science Scholars Program at MSU
9302	Rachel	Henderson	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: DEI Posters	Supporting Minoritized Students toward a Bachelor's Degree: The Story of the Drew Science Scholars Program at MSU
9584	William	Henriquez	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G05 - PER about Student Collaboration	Examining students' navigation through the experimental process while faced with different technical impasses
9259	Catherine	Herne	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D02 - 21st Century Physics in the Classroom	Development of Self-Efficacy in Upper-Division Physics Labs
9024	Paula	Heron	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E05 - PER into Reasoning in UG Physics	Using the Cognitive Reflection Test in Physics Education Research
9171	Dona	Hewagallage	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B04 - PER: Assessment Ideas I	Examining the factor structure of the Colorado Learning Attitudes about Science Survey
9172	Dona	Hewagallage	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: Intro Courses Posters	Examining the factor structure of the Colorado Learning Attitudes about Science Survey
9440	Kathleen	Hinko	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J12 - JNIPER Roundtable	Joint Network for Informal Physics Education & Research (JNIPER) Panel Discussion
9576	Brant	Hinrichs	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G05 - PER about Student Collaboration	An Example of Shared Resources in Student Problem-Solving of Spherical Unit Vectors in Upper-Level E&M
9581	Brant	Hinrichs	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: Intro Courses Posters	Changing Notation That Represents Force Changes How Students Say It
9578	Brant	Hinrichs	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: BFY Posters	Shared Resources in Student Problem-Solving of Spherical Unit Vectors in Upper-Level E&M
9458	Jessica	Hoehn	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E01- Education Research in K-12	Investigating longitudinal impacts of an informal physics program
9532	Scott	Hoopingarner	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H09 - Teaching IPLS and using the Living Physics Portal	Medical Physics: Pathways for STEM students
9713	Lenore	Horner	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B10 - Accessible Lab Equipment	Pendulums
9065	Leonardo	Hsu	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Two Year Colleges Posters	STEM MILES: Mentoring Innovative Learning Experiences for Students

8841	Peter	Hu	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F11 - Building Quantum Information Science and Engineering Curriculum for a Diverse Community of Learners- II (modern, quantum and accessibility)	Clicker Question Sequence on Two-State System Basics and Change of Basis: Virtual and In-Person Implementation
8843	Peter	Hu	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics: Quantum Posters	Clicker Questions as Instructional Tools to teach Measurement Uncertainty in Two-state Systems
8844	Peter	Hu	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Beyond Introductory Physics: Quantum Posters II	Clicker Questions as Instructional Tools to teach Time-development of Two-state Systems
9081	Mike	Hull	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H10 - Effective Practices in Educational Technology II	Inquiry into Radioactivity (IIR) for Asynchronous Learners
9379	Tra	Huynh	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I04 - PER & DEI II	Learning to disembodify in physics
9454	Stephen	Irons	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities in Labs	Scaffolding Laboratory Skills, Techniques, and Scientific Thinking. An Experimental Approach.
9097	Kyoko	ISHII	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G13 - Workshop 3: Demos and Hands-On Activities	Simple and Beautiful Experiments XIII by LADY CATS
9337	Safana	Ismael	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E05 - PER into Reasoning in UG Physics	Helping Students Develop Validity-checking Skills
9349	Joss	Ives	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B11 - Updates from PICUP: Integrating Computation into Undergraduate Physics	Making our Introduction to Computational Physics course more equitable and engaging with respect to previous coding experience.
9740	Deepak	Iyer	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B07 - Doing Physics and Being _____ + Decolonizing Physics in the Curriculum	Locating and abolishing anti-Blackness in physics curricula
9203	Dena	Izadi	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C05 - PER: Methodology	The Tools Necessary to Link Mixed-Methods Data Sources Sources: An investigation of Students' Self-efficacy
9204	Dena	Izadi	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research Posters	The Tools Necessary to Link Mixed-Methods Data Sources Sources: An investigation of Students' Self-efficacy
9800	Mojtaba	Jahanifar	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: Intro Courses Posters II	The relationship between models understanding and their causal reasoning: During Newtonian mechanic modeling activities
9194	Mikkell	Jensen	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F06 - Being a Student-Ready Physics Classroom	Improving student success through active learning and peer leadership
8857	Dietrich	Jeschke	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E10 - Digital Measurement, IoT, and AI Technology for Sustainable Development	Using Arduino Based Irrigation to Teach STEM Subjects in Context of Sustainable Education
9612	Jolene	Johnson	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F01 - Education Research in K-12	How does switching to an NGSS based curriculum affect equity in the high school classroom?
9539	Sarah	Johnson	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I08 - Teamwork in Labs: Guidance for Instruction	Our Experience Redesigning a First-year Laboratory Course and Introducing a New Team Structure
9716	Angella	Johnson	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I11 - Science Communication	Integration of Multimedia Technology for Physics Outreach and Public Engagement
9520	Nekeisha	Johnson	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J06 - PER into Student Understanding (including assessment instruments)	Using Ego Network Analysis to Probe Student Mistakes Adding and Subtracting Vectors
9611	Jolene	Johnson	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	DEI Posters	Using the STEP UP women in physics lesson to build inclusive classrooms and labs
9378	Susan	Johnston	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C10 - Physics with Smartphones	Improving Engagement and Understanding Using Smart Phone Sensors in the High School Physics Classroom
9393	Adrian	Juanson	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C05 - PER: Methodology	Research on a Faculty Support Program for Working With Learning Assistants
9462	Snehalata	Kadam	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G09 - Teaching Intro Physics for Life Sciences and using the Living Physics Portal	Yoga physics: A holistic pedagogical approach to understanding the invisible forces, energy, and waves, influencing your mindfulness
9569	Rudra	KAFLE	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Introductory Courses Posters	Student perceptions of interactive multimedia in learning physics concepts
9106	Kristin	Kellar	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F05 - PER into Reasoning in UG Physics	Data Suggest that Student Reasoning Aligns with Dual Process Theories
9645	Roger	Key	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B10 - Accessible Lab Equipment	Repair and Expand Lab Equipment with 3D Printing
9174	Karland A	Kilian	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I05 - PER & Assessment Ideas IV	Machine Learning Analysis of Physics Instructor Evaluations
9351	In	Kim	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C10 - Physics with Smartphones	Physics with Smartphones at Fresno State
9745	Jennifer	Klay	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J03 - Effective Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities- Investigating Science Practices	Introductory Mechanics in Parallel
9806	Alexis	Knaub	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C11 - Data Science in the Undergraduate Physics Curriculum	Data Science Education Community of Practice (DSECOPI): An Approach to Data Science in Undergrad Physics
8918	Kathleen	Koenig	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities	Promoting Scientific Reasoning in the Introductory Physics Lab Course

8927	Kathleen	Koenig	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G10 - Effective Practices in Educational Technology	Interactive Video-Enhanced Tutorials (IVETs): Optimizing Use for Personalized Instruction in Problem-Solving
9621	Ritesh	Kohale	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F03 - Innovations in the Classroom	Designing our own pro models
9284	Mikolaj	Konieczny	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H10 - Effective Practices in Educational Technology II	Developing a Web-Based Simulation for Orbital Maneuvers
9787	Joseph	Kozminski	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	K-12 Posters	Lewis University's PhysTEC Recruiting Grant Outcomes
9392	Robert	Krakehl	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A10 - Accessible Lab Equipment	Shelf Bought: Digital Physics Sensors
9100	Hannah	Kramer	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B11 - Updates from PICUP: Integrating Computation into Undergraduate Physics	Addressing Student Difficulties with Visual Python in University Physics
9265	Jesse	Kruse	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A04 - PER: Assessment Ideas I	Investigating the Quantum Mechanics Concept Assessment with Item Response Theory
9266	Jesse	Kruse	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: BFY Posters	Investigating the Quantum Mechanics Concept Assessment with Item Response Theory
9776	Eric	Kuo	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I06 - PER into Student Understanding (including assessment instruments)	Two Perspectives on Physics Problem Solving and Their Relations to Adaptive Expertise
9719	Tunde	Kushimo	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: BFY Posters	Developing Multiple Representation Learning and Assessment Material for Introductory Quantum Computing Course
9248	Jonathan	Kustina	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C04 - PER: Building a Community of Practice	What is a Metacognitive Coach?
9470	Blake	Laing	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I10 - Uncommon Uses for Common Things	Physics at home: demonstrations with things that students may already have
9243	W. Brian	Lane	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J05 - PER & Assessment Ideas 1	Student Perceptions of Grading Practices
8876	Adam	Lark	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E02 - 21st Century Astronomy in the Classroom	Exoplanet Light Curve Demonstration
9494	James	Laverty	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G03 - Assessing Upper-Level Courses	A Research-Based Assessment To Help You Improve Your Course
8812	M. Jeannette	Lawler	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G11 - Making Physics Labs and Apparatus More Accessible	Deaf and Hard of Hearing Students in Laboratory Settings
9257	Anne	Leak	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J08 - Teamwork in Labs: Guidance for Instruction	Investigating Approaches for Supporting Communication Skills to Foster Students' Physics Identity Development and Sense of Belonging
9318	Aaron	Lee	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E02 - 21st Century Astronomy in the Classroom	Promoting Student Inquiry in Introductory Astronomy using WorldWide Telescope
9088	Kevin	Lee	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E02 - 21st Century Astronomy in the Classroom	Tools for Using Smartphones in the Astronomy Classroom
9577	Elissa	Levy	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A06 - Teaching About How Science is Done to Impact Careers and Professionalism	STEP UP: Careers in Physics and How Physics is Done
9574	Elissa	Levy	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A07 - Decolonizing Physics in the Curriculum	Decolonizing Physics Working Group: Facing and Reshaping the Dominant Western Narrative
9687	Benjamin	Levy	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F02 - 21st Century Physics in the Classroom II	Finite Element Simulations of Resonating Blood Clots for a Classical Mechanics Course
9565	Elissa	Levy	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	K-12 Posters II	Teaching Quantum Computing in Grades 7-12: Theory, Experiment, and Application
8779	Heather	Lewandowski	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C07 - Teaching About How Science is Done I & II	Engaging over 1400 students in authentic research through an introductory course-based undergraduate research experience
9129	Clinton	Lewis	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H08 - Upper Division Undergrad	Quickly demonstrate the power of Lagrangian mechanics by connecting symmetry to conservation laws
9126	Clinton	Lewis	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H08 - Upper Division Undergrad	Radius of the Earth from photo of two distant bridges
9343	Clinton	Lewis	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Beyond Introductory Physics Posters II	Quickly demonstrate the power of Lagrangian mechanics by connecting symmetry to conservation laws
9061	Sarat	Lewsirirat	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B05 - PER: Student Experiences & DEI	Framework for Unpacking Students' Experiences in Introductory Physics Part II: Beliefs, Motivations and Emotions
9179	Yangqiuting	Li	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H04 - PER & DEI I	Discrepancies in self-identified and perceived masculinity in introductory physics courses
9519	Yangqiuting	Li	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Introductory Courses Posters	The effects of active learning on students' sense of belonging and academic performance
9223	Yangqiuting	Li	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: DEI Posters II	The impact of perceived recognition by physics instructors on women's self-efficacy and interest
9522	Yangqiuting	Li	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: DEI Posters II	The effect of the inclusiveness of learning environment on students' physics motivational beliefs
9242	Yangqiuting	Li	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: DEI Posters	How perception of being recognized by instructors as a "physics person" predicts students' self-efficacy and academic performance

9186	Yili	Liao	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B03 - Effective Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities in Intro	Visual approaches for students to better analysis complex electric circuits
9277	Vicky	Lieu	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I01 - Effective Practices in K-12	How to design your own crystal radio using radio waves?
9816	Yuhfen	Lin	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D07: Teaching About How Science is Done I & II	A holistic approach to engage students in authentic scientific practices in the physics classroom
9737	Rebecca	Lindell	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B09 - Teaching IPLS- Interactive Poster Session	Fluids Conceptual Evaluation Update: Sign up for Pilot Test!
9546	Rebecca	Lindell	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G09 - Teaching Intro Physics for Life Sciences and using the Living Physics Portal	Ready for Pilot Testing! Update on Fluids Conceptual Evaluation Items
9372	JIA	LIU	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B03 - Effective Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities in Intro	Assessment of student knowledge integration in learning work and mechanical energy
9240	Qiaoyi	Liu	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I04 - PER & DEI II	Benefits of Skills Fluency Practice for Accuracy and Course Performance
9241	Qiaoyi	Liu	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research Posters II	Benefits of Skills Fluency Practice for Accuracy and Course Performance: Methods and Results
9157	Andrew	Loveridge	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F08 - Inclusive Teaching in Labs	Group Dynamics in Inquiry Based Labs: Inequities and Interventions
8819	Kristine	Lui	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A08 - Calling TYCs! About OPTYCs: The Organization for Physics at Two-Year Colleges	DEI Capacity-Building Immersive Discussion Program Offered by OPTYCs
9478	Kristine	Lui	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Two Year Colleges Posters	Diversity, Equity, and Inclusion Immersive Discussion Program for Two-Year Colleges under OPTYCs
9267	Kristine	Lui	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Two Year Colleges Posters II	Happy Birthday, OPTYCs! A One Year Update
9394	Morten	Lundsgaard	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D04 - PER: Building a Community of Practice	IPaSS: Responsive Professional Development and Building of a Community of Practice
9376	Brandon	Lunk	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A09 - Teaching IPLS- Interactive Poster Session	Developing a Reynolds Number Tutorial
9347	Amy	Lytle	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics: Quantum Posters	Conceptual Metaphor and Linguistic Difficulties in Learning Quantum Mechanics
9089	Guofu	Ma	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H08 - Upper Division Undergrad	Lagrangian and Hamiltonian Mechanics Concept Inventory for Upper-level Undergraduate Students
8765	Shihong	Ma	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Introductory Courses Posters	The Assessment of Introductory-Physics Course by Item Response Theory
8833	Dan	MacIsaac	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G11 - Making Physics Labs and Apparatus More Accessible	Affordances and Insights for Teaching Introductory Circuits to Sight Impaired Students
8808	Thomas	Madura	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E08 - Inclusive Teaching in Labs	Astronomy for Students with Visual Impairments: The Stem Career Exploration Lab
9523	Maggie	Mahmood	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D04 - PER: Building a Community of Practice	Whiteboard Speed-Dating in Physics Teacher Professional Development
9446	Patrick	Makowski	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities in Labs	Development of students' scientific abilities in ISLE courses at Rutgers - Newark
9461	Patrick	Makowski	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Effective Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities Posters II	Characterizing Students' Experiences in ISLE courses at Rutgers - Newark
8946	Danielle	Maldonado	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F09 - Advances in Introductory Courses II	Adding Self-Regulated Learning Instruction to an Introductory Physics Class
9417	Danielle	Maldonado	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	DEI Posters II	The Impact of Mentoring on the Mathematics Graduate School Application Process
9455	Idris	Malik	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research Posters II	Which Basic STEM Skills do Students Choose to Practice?
9168	Idris	Malik	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D05 - PER: Active Engagement	Which Basic STEM Skills do Students Choose to Practice?
9447	Corinne	Manogue	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A01 - Improving Student Learning of Quantum Mechanics	Transitions and Representations in a Spins-First Quantum Mechanics Sequence
9118	Adam	Mantz	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I02 - Innovations in Teaching Astronomy	Turning Data Into Conclusions: Adventures in Teaching Statistical Inference for Astrophysics
8942	David	Marasco	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B08 - Calling TYCs! About OPTYCs: The Organization for Physics at Two-Year Colleges	OPTYCs Mentoring Update
8922	Franck	Marchis	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G02 - Astronomy and the Search for Life in the Universe I	The SETI Institute and Unistellar Citizen Science Program.
8938	Alexandru	Maries	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Educational Technology Posters	Impact of an Angular Momentum interactive problem-solving tutorial on student performance
8929	Alexandru	Maries	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Educational Technology Posters	Evolution in Student Conceptual Understanding of Energy and Momentum

8939	Alexandru	Maries	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Beyond Introductory Physics: Quantum Posters II	Investigating Transfer of Learning in an Upper-level Quantum Mechanics Course
8928	Alexandru	Maries	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Educational Technology Posters II	Interactive Video-Enhanced Tutorials: Student feedback from implementation coupled with online homework
9023	Alexandru	Maries	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Educational Technology Posters II	Interactive Video-Enhanced Tutorials: Student feedback from implementation coupled with online homework
8937	Alexandru	Maries	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H10 - Effective Practices in Educational Technology II	Interactive Video-Enhanced Tutorials: Student feedback from implementation coupled with online homework
9547	Andrew	Mason	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G03 - Assessing Upper-Level Courses	Framework-based Problem Solving Tutorials for Upper-division Electromagnetism
9469	Jason	May	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E03 - Using, Adapting and Contributing to the Living Physics Portal	Developing the Introductory Physics Labs for Life Sciences: Living Physics Portal as a Mechanism for Curricular Adaptation
8871	David	McCallister	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B02 - Organizing for Successful Solar Eclipse Events	99.887% is good enough, right?
9624	Michele	McColgan	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F10 - Augmented and Virtual Reality for Physics Education and beyond	Learning about Magnetism with Augmented Reality and the MARVLS App
9625	Michele	McColgan	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Educational Technology Posters II	Learning about Physics with Augmented Reality and the MARVLS App
9052	Bradley	McCoy	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I08 - Teamwork in Labs: Guidance for Instruction	Prelab reflections for trying on group roles
9116	Liam	McDermott	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J04 - PER & DEI II	Developing Neurodivergent Students' Critical Disability Physics Identity
9428	Kathryn	McGill	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A11 - Climate & Energy in the Classroom	Eunice Newton Foote: Climate Science Pioneer
9431	Sarah	McHale	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F04 - PER that helps Investigate Physics Program Effectiveness	Characterizing the Impact of Integrating Computation into the Physics Major
8824	Lewis	McIntyre	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	CO2 - 21st Century Physics in the Classroom	Visualizing Special Relativity
9486	Sarah	McKagan	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research Posters	PhysPort Toolkits or Starter Kits
9570	Daryl	McPadden	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E04: PER into Inclusivity and Accommodations	Planning for Participants' Varying Needs and Abilities in Qualitative Research
9572	Daryl	McPadden	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: DEI Posters	Planning for Participants' Varying Needs and Abilities in Qualitative Research
9768	M Colleen	Megowan-Romanowicz	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	K-12 Posters II	Smartphone LiDAR Motion Mapping: the Middle School Users' Learning Experience
9270	Heather	Mei	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B04 - PER: Assessment Ideas I	Evaluating Conscientiousness in Student Responses to Show-Work Exam Questions
9234	Heather	Mei	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: Intro Courses Posters	Evaluating Conscientiousness in Student Responses to Show-Work Exam Questions
9380	David	Meltzer	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B04 - PER: Assessment Ideas I	Predictors of performance in introductory physics courses
9453	Dawn	Meredith	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B09 - Teaching IPLS- Interactive Poster Session	Injecting Fluids into Your Introductory Physics Course for Life Science Students
9463	Rachael	Merritt	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J06 - PER into Student Understanding (including assessment instruments)	Exploring Students' modeling behavior around proposing causes for experimental discrepancies using the MAPLE assessment
9460	Rachael	Merritt	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: BFY Posters	Branching Out: Measuring Model-Based Reasoning in Upper-Division Physics Labs with MAPLE
9208	Josephine	Meyer	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E11 - Building Quantum Information Science and Engineering Curriculum for a Diverse Community of Learners- I	Toward a validated assessment of quantum information science concepts
9210	Josephine	Meyer	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Beyond Introductory Physics: Quantum Posters II	Educational initiatives with the Quantum Ethics Project
9209	Josephine	Meyer	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Beyond Introductory Physics: Quantum Posters II	Ethics education in the quantum information science classroom: Exploring attitudes, barriers, and opportunities
9771	Christina	Milotte	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I01 - Effective Practices in K-12	Teaching System Science with NASA Heliophysics
9105	Drew	Milsom	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J05 - PER & Assessment Ideas 1	Experiences with students "self-grading" their homework in introductory and advanced courses
9374	Saahit	Mogan	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A05 - PER: Student Experiences & DEI	The Undergraduate Lab at Berkeley (ULAB): Increasing Accessibility in Physics and Astronomy Research
9287	Kirtimaan	Mohan	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	DEI Posters II	How student model and implement an exam corrections assignment
9548	Kirtimaan	Mohan	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Introductory Courses Posters II	Investigating student perceptions of relevance of computation in an IPLS course
9178	Harish	Moni Prakash	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G04 - PER & DEI I	Evolution of Accuracy and Speed on basic skills, and their predictiveness on Course Grades.

9238	Harish	Moni Prakash	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research Posters	Effect of Basic skills mastery practice on speed and accuracy, and predictiveness of grades.
9301	Camila	Monsalve	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: DEI Posters II	A partnership profile template for two- and four-year colleges
9448	Martin	Monteiro	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A10 - Accessible Lab Equipment	Simple acoustic experiments at home
9197	Patrick	Morgan	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E01- Education Research in K-12	Revisiting the Demonstration Framework
9707	Eliza	Morris	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E06 - Being a Student-Ready Physics Classroom	PASCO smart carts can fill pot holes for physics classes
9526	Elmarie	Mortimer	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F01 - Education Research in K-12	Physics of Art and Design: an introductory physics course that is accessible and creative
9261	Sara	Mueller	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D08 - Fostering Cooperative Team Environments	Labs are fun: redesigning the advanced instructional lab to bring joy to students and instructors
9566	Jonathan	Mumford	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G09 - Teaching Intro Physics for Life Sciences and using the Living Physics Portal	Lab to Study Random and Systematic Error with Glucometers
9213	Carissa	Myers	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A05 - PER: Student Experiences & DEI	Integrating Qualitative and Quantitative Approaches to Investigate Self-Efficacy
9215	Carissa	Myers	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research Posters II	Leveraging Daily Journal Prompts to Capture the Complexities of Self-Efficacy: Coding Across Iterations
9735	Christopher	Nakamura	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Labs/Apparatus Posters II	RC-Circuit Video Analysis: Demonstrating Flexible Lab Design
9492	Lalitasri	Nandivada	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I07 - Developing and Evaluating Upper-Level Experiences: Labs and Capstone	Gee-Whiz: An Update on our design of undergraduate experiments on ultrafast lasers
9263	Delwrick	Nanthou	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: DEI Posters II	Grappling with the dominant narrative of physics: teachers rethink colonial roots together to reshape classrooms
9457	Delwrick	Nanthou	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: DEI Posters	Tour Guide, Coach, and Gardener: Teacher's Metaphors for Equitable Instruction
9416	Kizito	NDIHOKUBWAYO	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D05 - PER: Active Engagement	Characterizing students' participation rates in LASSO before and after instructor motivational practices
9206	Amanda	Nemeth	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B05 - PER: Student Experiences & DEI	The Effects of the COVID-19 Pandemic on Undergraduate Physics Learning
9353	Amanda	Nemeth	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research Posters	Using Curricular Analytics to Transition from Curricula to Degree Plans
8729	James	Newland	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research Posters	Assessing Computational Thinking Attitudes in the Physics Classroom
9189	Jayson	Nissen	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E07: PER & Assessment Ideas III	Cognitive Diagnostic Computerized Adaptive Tests with the LASSO Platform
9190	Jayson	Nissen	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: Intro Courses Posters II	Cognitive Diagnostic Computerized Adaptive Tests with the LASSO Platform
9553	Dawson	Nodurft	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C06 - Student-Ready Physics in Your Course	Measuring Impacts of Supplemental Materials on Student Learning
9291	Paul	Noel	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D10 - PIRA Session-3D Printed Apparatus for Intro Labs	Precision Part Manufacturing from Resin Printing to Mold Making
8862	Geoff	Nunes	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Educational Technology Posters	WEB-BASED, OPEN SOURCE VIDEO ANALYSIS APP FOR STUDENT EXPERIMENTS
9312	Thomas	O'Kuma	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Two Year Colleges Posters II	Continuing Professional Development Workshop Program
9426	Daniel	Oleynik	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H04 - PER & DEI I	Three axes for expressing disability models and experiences - The Cause, the Effect, and the Ability/Disability Dichotomy
9104	Travis	Oliver	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A09 - Teaching IPLS- Interactive Poster Session	Assessment of Standards-Based Grading in Introductory College Physics
9300	Kristin	Oliver	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E05 - PER into Reasoning in UG Physics	Photovoice in an upper-division physics capstone project
9720	Kristin	Oliver	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: BFY Posters II	Photovoice in an upper-division physics capstone project
9399	Matt	Olmstead	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D08 - Fostering Cooperative Team Environments	Group Activities to Synthesize Understanding
9400	Matt	Olmstead	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Introductory Courses Posters	Group Activities to Synthesize Physics Understanding
9561	Adebanjo	Oriade	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I10 - Uncommon Uses for Common Things	Manipulating Paper to do Physics: Square twist race activity
9354	Ellen	Ouellette	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A05 - PER: Student Experiences & DEI	Framework for Unpacking Students' Experiences in Introductory Physics Part I: Four Functions of Course Features
9588	Ellen	Ouellette	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: Intro Courses Posters II	Framework for Unpacking Students' Experiences in Introductory Physics
9130	Abraham	Ovienloba	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research Posters II	Research into the Fundamental Building Block of the Quantum Theorem of the unified force field
9382	Jon	Owen	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C06 - Student-Ready Physics in Your Course	An example of responsive teaching in university physics
9782	Monica	Owens	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I01 - Effective Practices in K-12	Electromagnetic Spectrum Lesson for Middle and High School Teachers
9420	John	Pace	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J05 - PER & Assessment Ideas 1	Predicting At-Risk Students in an Introductory Physics Course with Machine Learning
9304	Daniel	Pacheco	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B05 - PER: Student Experiences & DEI	Understanding the development of sense of belonging in an upper division physics class

9214	Matthew	Pappas	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Astro (Astronomy and Astrophysics) Posters	Mission to Mars: A Collaborative Approach to a Multidisciplinary Problem
8916	MARA	PARISOTO	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J07 - Supporting Women Physics Students	Brazilian Girls in Science Project: Active Methodologies to Reduce Gender Equality
8885	Gina	Passante	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F11 - Building Quantum Information Science and Engineering Curriculum for a Diverse Community of Learners- II (modern, quantum and accessibility)	Why teach quantum computing topics in quantum mechanics?
9250	Zac	Patterson	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D04 - PER: Building a Community of Practice	Analysis of secondary students' epistemic framing during contemporary physics instruction
9404	Nora	Paul-Schultz	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	K-12 Posters II	Incorporating Energy Generation and Environmental Justice Issues into the High School Physics Classroom
9101	Daniel	Peluso	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J02 - Innovations in Teaching Astronomy	Improving Competency, Motivation, & Engagement in Teachers & Students with Astronomy Modeling Instruction with Exoplanets
9790	Spencer	Perry	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E01- Education Research in K-12	Text Network Mapping as a Tool to Begin Conceptualizing Differences in Perspectives on STEM Integration
9580	Jonathan	Perry	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H01- Fostering Community Through Professional Learning Opportunities II	Preparing Faculty to Incorporate Belonging, Growth, and Purpose Mindsets in their Classes
9599	Michael	Peterson	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	K-12 Posters	Dimensional Analysis: A Novel Way for Students to Understand Physics Equations
9598	Douglas	Petkie	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I12 - Round Table: Graduate Education in Physics	Graduate Education in Physics Round Table Discussion
9784	Douglas	Petkie	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G01 - Fostering Community Through Professional Learning Opportunities	Strengthening the Physics Teacher Preparation Program guided by the PhysTEC Community
8851	Itumeleng	Phage	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F03 - Innovations in the Classroom	First-year undergraduate physics students' use of physics and mathematics graphs in laboratory experiments
9605	Yuri	Piedrahita	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities in Labs	Testing expectations on scientific argumentation in an online physics laboratory
9192	Michael	Plucinski	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C11 - Data Science in the Undergraduate Physics Curriculum	Python Programming in the High School Physics and Engineering Classroom for Data, Math, and Simulation Analysis
9329	Benjamin	Pollard	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F06 - Being a Student-Ready Physics Classroom	Aligning ungrading to your goals and values: there's more than one way to do it!
8886	Steven	Pollock	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F11 - Building Quantum Information Science and Engineering Curriculum for a Diverse Community of Learners- II (modern, quantum and accessibility)	Curricular materials to introduce quantum computing examples in quantum mechanics courses
8887	Steven	Pollock	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics: Quantum Posters	Flexible online resources for teaching quantum mechanics
9591	Praisyy	Poluan	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A07 - Decolonizing Physics in the Curriculum	Building physics identities: Developing culturally responsive physics pedagogies in various classroom contexts
9483	Praisyy	Poluan	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C06 - Student-Ready Physics in Your Course	Reducing marginalization in physics classrooms: How to have difficult conversations
9567	Praisyy	Poluan	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	DEI Posters II	STEP UP: Everyday Actions Towards Equity and Inclusivity in Physics
9085	Gesche	Pospiech	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B01 - Improving Student Learning of Quantum Mechanics	Modern proposals for teaching quantum physics at high school
9330	Parker	Poulos	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: BFY Posters II	Instructor Expectations and Reactions Toward Written Assessment Feedback
9608	Dave	Pritchard	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H06 - How to Analyze and Assess when Conducting PER	Finding Dimensions of (mis)Understandings on the FCI by Analyzing Wrong Responses
9610	Jason	Puchalla	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B09 - Teaching IPLS- Interactive Poster Session	The Premeds Dilemma: Pedagogy vs. Prudence in IPLS
9160	Javier	Pulgar	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G01 - Fostering Community Through Professional Learning Opportunities	Classroom network analysis for pedagogical decision-making: interpretations and didactic innovations of pre-service and in-service science teachers
9268	Gina	Quan	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J04 - PER & DEI II	Learning in Interaction: Interacting Scales of Research
9590	Xandria	Quichocho	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H05 - PER into Being a Physics Educator (or LA) and Bolstering Physics Identity	Access to Ideational Resources through LA Program Elements Supports Critical Physics Identity Development
9017	David	Rakestraw	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A09 - Teaching IPLS- Interactive Poster Session	Characterizing Biomechanical Movement, the Cardiac Cycle, Physiological Tremors, and Blood Flow using the Sensors in your Smartphone

9021	David	Rakestraw	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I13 - Workshop 1: Technology for Labs	Investigating Magnetic Fields using the 3-Axis Magnetometer on your Smartphone
9229	Eshan	Ravikanthi	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research Posters	Improvement in door to needle time for the patients of Ischemic stroke in a community hospital
9063	Michael	Ray	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H11 - Making Physics Labs and Apparatus More Accessible	Implementation of a course-based, authentic learning experience in upper- and lower-division laboratory classes
9779	Hunter	Reaves	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B10 - Accessible Lab Equipment	Applications of 3D Printing for Creating Budget-Friendly Physics Labs and Demonstrations
9614	N. Sanjay	Rebello	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J06 - PER into Student Understanding (including assessment instruments)	Exploring the Expertise Reversal Effect in the Context of Multimedia Instruction
9491	Angela	Reisman	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G05 - PER about Student Collaboration	Exploring students' ideas about collaboration using socio-metacognition
9781	Jack	Replinger	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J10 - Being a Student-Ready Physics Class- II	Making Intro Physics Engaging & Accessible for All Students (even those who struggle with math)
9360	Elana	Resnick	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A11 - Climate & Energy in the Classroom	Climate Generations: A climate game spanning borders and legacies
9175	Elana	Resnick	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	K-12 Posters	Breaking Reality: Escape the Arctic with climate Knowledge
9339	Philip	Reutter	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics Posters	Metacognition, Help Seeking, and Overcoming Research Obstacles
9796	Valerie	Risk	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A11 - Climate & Energy in the Classroom	Climate and Estimation in HS Physics
9493	Michael	Robbins	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H03 - Labs/Apparatus	Designing inquiry-based physics labs for non-science majors
9303	Jocelyn	Robbins	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I11 - Science Communication	The Tentativeness and Trustworthiness of Science
9306	Jocelyn	Robbins	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research Posters II	The Tentativeness and Trustworthiness of Science
9609	Alma	Robinson	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H07 - Mentoring Students for Careers in Physics	Changing the narrative of who does physics with the STEP UP Physics Project
9606	Alma	Robinson	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	DEI Posters II	How the STEP UP Physics project can help you create a student-ready physics course
9536	Idaykis	Rodriguez	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B07 - Doing Physics and Being _____ + Decolonizing Physics in the Curriculum	Empowering students through participant action research for inclusive physics curricula design
9496	Miguel	Rodriguez	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D02 - 21st Century Physics in the Classroom	Assessing the use of Large Language Models for a project in Quantum Mechanics
9117	David	Rosengrant	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Educational Technology Posters	Augmented Reality Simulations for Introductory Physics
9389	Drake	Roth	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I04 - PER & DEI II	Student affective experiences in introductory physics for life sciences
9011	Marianna	Ruggerio	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B03 - Effective Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities in Intro	An intervention for multiple choice to enhance problem solving skills and mitigate sex differences
9260	Josh	Rutberg	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities in Labs	Assessing scientific thinking in an ISLE-based introductory lab course
9443	Josh	Rutberg	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Introductory Courses Posters	Assessment of students' skills in physics in ISLE courses at Rutgers - Newark
9313	Qing	Ryan	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E05 - PER into Reasoning in UG Physics	To teach or not to teach, that is the question.
9433	Hannah	Sabo	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G06 - PER into Student and Instructor Attitudes about Assessment	Gentle assessment: inclusion of affect in instructors' computational physics assessment decision-making
9332	Diana	Sachmpazidi	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C04 - PER: Building a Community of Practice	Recognizing Dominant Cultures around Assessment and Educational Change in Physics Programs and Apprenticing into Alternatives
9679	Samuel	Sampere	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J09 - Some Interesting Bauder Fund Projects	Several intriguing ways to effectively use Bauder Funds
9110	Lisabeth	Santana	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I04 - PER & DEI II	Students who repeat college algebra-based introductory physics courses
9112	Lisabeth	Santana	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research: DEI Posters II	Negative impacts of an unwelcoming physics environment on undergraduate women
9113	Lisabeth	Santana	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: DEI Posters	Investigating Experiences of Women in Color in Physics and Astronomy
8807	Sherry	Savrda	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B08 - Calling TYCs! About OPTYCs: The Organization for Physics at Two-Year Colleges	OPTYCS: Revision of the Guidelines for Two-Year College Physics Programs
9535	Sherry	Savrda	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Two Year Colleges Posters	Updates on a New AIP Survey and Revised Two-Year College Physics Program Guidelines
9298	Vashti	Sawtelle	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C04 - PER: Building a Community of Practice	Principles for Building and Maintaining Equitable Partnerships between Researchers and Programs at Two-Year Colleges
9280	Ryan	Sayer	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E09 - Advances in Introductory Courses I	A survey of conceptual modern physics courses in U.S. colleges and universities intended for first-year non-science majors

9295	Ryan	Sayer	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Introductory Courses Posters	A survey of conceptual modern physics courses in U.S. colleges and universities intended for first-year non-science majors
9726	Bethe	Scalettar	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C02 - 21st Century Physics in the Classroom	INTEGRATING IMAGING PHYSICS INTO UNDERGRADUATE STEM EDUCATION
9254	Bethe	Scalettar	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics Posters	INTEGRATING IMAGING PHYSICS INTO UNDERGRADUATE STEM EDUCATION
9328	Erin	Scanlon	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H01- Fostering Community Through Professional Learning Opportunities II	Describing a Faculty Online Learning Community about Disability
8900	Rachel	Scherr	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A11 - Climate & Energy in the Classroom	Energy in its material and social context: Power plants
9070	Rachel	Scherr	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: DEI Posters	A framework for integrating energy and equity in high school physics instruction
9436	Stacy	Scheuneman	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Introductory Courses Posters II	Characterizing Representational Gestures in Collaborative Sense-making of Vectors in Introductory Physics
9193	Eric	Schiff	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Introductory Courses Posters II	Laboratory Guides: A Third Voice in Physics Teaching
9613	Elizabeth	Schoene	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Educational Technology Posters	Online Homework Systems: Helping or hurting?
9348	Robert	Semper	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I02 - Innovations in Teaching Astronomy	The Exploratorium's Experiments in Producing Online ASTRONOMY
9587	Devyn	Shafer	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F01 - Education Research in K-12	Shifts in Student Support Structures from High School to College Engineering Programs: A Longitudinal, Qualitative Study
9425	Daniel	Sharkey	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D05 - PER: Active Engagement	Physics Graduate Teaching Assistant Use of Error Framing in the Classroom
9310	Peter	Sheldon	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	DEI Posters	SUPER Cohort Program: Student Wellbeing
9512	Alexander	Shvonski	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B11 - Updates from PICUP: Integrating Computation into Undergraduate Physics	Computational Data Science with Jupyter Notebooks in Online Courses
9788	Dharmbir	Singh	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A10 - Accessible Lab Equipment	Internet of Things (IoT) & Artificial Intelligence (AI) relevance to Sustainable Development
9067	Chandralekha	Singh	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B01 - Improving Student Learning of Quantum Mechanics	Preparing Students for the Second Quantum Revolution using research-validated learning tools
9054	Chandralekha	Singh	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J04 - PER & DEI II	Inclusiveness of learning environment predicts student physics motivational beliefs and Force Concept Inventory scores
9056	Chandralekha	Singh	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics: Quantum Posters	Development and validation of an Interactive Learning Tutorial on Quantum Key Distribution
9058	Chandralekha	Singh	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics: Quantum Posters	Investigating and improving student understanding of quantum mechanical observables and their corresponding operators in Dirac notation
9057	Chandralekha	Singh	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Beyond Introductory Physics: Quantum Posters II	Development and Evaluation of a Quantum Interactive Learning Tutorial on Larmor Precession of Spin
9059	Chandralekha	Singh	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Beyond Introductory Physics: Quantum Posters II	Just-in-Time Teaching and Peer Instruction using clickers in a quantum mechanics course
8811	Deborah	Skapik	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Astro (Astronomy and Astrophysics) Posters	Look UP, Below! an educator's guide to the April 8, 2024 total eclipse of the Sun
9327	Joseph	Smith	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F10 - Augmented and Virtual Reality for Physics Education and beyond	Insights from a Large Controlled Study of Virtual Reality in Physics
9481	Donald	Smith	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I10 - Uncommon Uses for Common Things	Game Show Final: Creative Physics with Common Items
9255	Mathilda	Smith	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	DEI Posters	Unlearning Indoctrination: Tensions Between Decolonizing Curricula and Characteristics of Whiteness
9053	Al	Snow	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Introductory Courses Posters	A case of resource building in introductory physics with ACORN Tutorials
8776	David	Sokoloff	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I03 - Research Validated Interactive Lecture Demonstrations to Improve Learning in Lecture (and at Home)	Research Validated Interactive Lecture Demonstrations: A Strategy to Improve Learning in Lecture and at Home
9530	CHRISTIAN	SOIORIO	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J06 - PER into Student Understanding (including assessment instruments)	Discrete and Continuous Connections: Reflective Interview on a Computational Activity
9739	Gabriel	Spalding	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D02 - 21st Century Physics in the Classroom	Modern Physics Modules
9514	John	Speirs	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G06 - PER into Student and Instructor Attitudes about Assessment	A short examination of students' perception of instructor exam-marking practices
9579	John	Speirs	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G06 - PER into Student and Instructor Attitudes about Assessment	Examining Student Experiences and Agency on Ungraded Quizzes
9586	John	Speirs	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I06 - PER into Student Understanding (including assessment instruments)	Using reasoning chain construction tasks to guide student discussion about reasoning in physics

9582	John	Speirs	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I06 - PER into Student Understanding (including assessment instruments)	Examining Procedural Resources Via Online Reasoning Chain Construction Tasks
9253	Bryan	Stanley	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D04 - PER: Building a Community of Practice	Applying a volunteerism framework to alumni's informal physics experiences
9216	Tim	Stelzer	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C05 - PER: Methodology	Draft of Referee Guidelines to maintain clarity and generativity of quantitative research studies in PRPER
9402	Kayla	Stephens	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C08 - Calling TYCs! About OPTYCs: The Organization for Physics at Two-Year Colleges	Building a Strong Community in Physics and Astronomy Clubs at Two-Year Colleges
9068	Gay	Stewart	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G07 - State and Institutional Challenges for Physics Teacher Prep	Sometimes you lose (on paper): finding ways for good teacher prep to win!
9264	John	Stewart	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G01 - Fostering Community Through Professional Learning Opportunities	Preparing Teachers to Support All Students in the UTeach Model
9224	Gay	Stewart	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Beyond Introductory Physics Posters	Integrating Portable X-ray Fluorescence (pXRF) into undergraduate courses, including teacher preparation courses!
9221	Dean	Stocker	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J03 - Effective Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities- Investigating Science Practices	Parallel Pedagogy, and an OER textbook to go with it
9406	Marta	Stoeckel-Rogers	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D01 - Social Media to Connect Teachers	Virtual Communities for Mutual Support
9062	Paul	Stonaha	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E07: PER & Assessment Ideas III	Analysis of a Hybrid Take-Home / In-Class Examination Technique in the College Physics Classroom
9657	Marshall	Styczinski	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B07 - Doing Physics and Being _____ + Decolonizing Physics in the Curriculum	Doing Physics at NASA and Aggressively Rejecting a Gender Binary
9658	Carmen	Suarez Rodriguez	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J07 - Supporting Women Physics Students	Scientific training for girls and women from rural communities
9409	Carmen	Suarez Rodriguez	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	K-12 Posters	Breaking Down Barriers: Building Middle and High School Non-Physics Teachers' Confidence and Competence in Teaching Physics
9236	Meagan	Sundstrom	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E08 - Inclusive Teaching in Labs	Toward equitable peer recognition in labs: Implications from multiple social network analysis studies
9558	Harshini	Sunil	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F04 - PER that helps Investigate Physics Program Effectiveness	Investigating Academic Burnout in Undergraduate Physics Experiences
9562	Harshini	Sunil	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research Posters	Investigating Academic Burnout in Undergraduate Physics Experiences
9187	Astra	Sword	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G04 - PER & DEI I	Inequity in, inequity out? Incoming grades and academic outcomes for marginalized students on physics degrees
9422	David	Syphers	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D11 - Data Science in the Undergraduate Curriculum	Detecting Global Warming Using Real Data in a Computational Physics Class
8774	Anne	Tabor-Morris	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Introductory Courses Posters II	Whose afraid of subscripts? 'Extended subscripting' as an organic method of allowing students to own equation analysis
9274	Anne	Tabor-Morris	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Introductory Courses Posters II	Who is afraid of subscripts? "Extended subscripting" as organic method of allowing students to own equation analysis
9396	Hamideh	Talafian	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D04 - PER: Building a Community of Practice	Barriers to Implementing Open-ended Labs with iOLab among High School Physics Teachers
9783	MEHMET	TASAR	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H10 - Effective Practices in Educational Technology II	Creating and using relative motion animations by MS Power Point for college students: An example of TPACK
9099	Tiffany	Taylor	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C01 - Social Media to Connect Teachers	Reimagining Professional Development with Social Media
9371	Tiffany	Taylor	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C01 - Social Media to Connect Teachers	Connecting with Other Teachers Through Social Media
9290	Jenna	Tempkin	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A05 - PER: Student Experiences & DEI	Using Community Cultural Wealth to Understand Experiences in Physics Bridge Programs
9563	Hanna	Terletska	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D02 - 21st Century Physics in the Classroom	BRINGING QUANTUM COMPUTING EDUCATION TO MIDDLE TENNESSEE
9311	Mahendra	Thapa	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	DEI Posters II	Reflecting on what we can glean from emails sent by students of general physics: a personal perspective
9401	Arbin	Thapaliya	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A10 - Accessible Lab Equipment	Are students not engaged in your physics class? Ask them to make physics videos.
9411	Dana	Thomas	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F08 - Inclusive Teaching in Labs	The Experiences, Perceptions, Beliefs, and Intentions of Physics Majors in Courses that Incorporate an Experimental Lab Activity
9828	Ronald	Thornton	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I03 - Research Validated Interactive Lecture Demonstrations to Improve Learning in Lecture (and at Home)	Interactive Lecture Demonstrations: Effectiveness in Teaching Concepts

9785	Aaron	Titus	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B10 - Accessible Lab Equipment	Designing, Constructing, and Testing a Custom Apparatus to Investigate Angular Momentum and Torque
9390	Angelina	Tjia	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J04 - PER & DEI II	Development of physics affinity in introductory physics for life science students across three institutions
8868	Nathan	Tompkins	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H11 - Making Physics Labs and Apparatus More Accessible	Color Vision Deficiency and Teaching Electromagnetism
8787	Dazhen	Tong	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G10 - Effective Practices in Educational Technology	Assessing ChatGPT's Ability to Solve Physics Problems: An Empirical Investigation on Classical Mechanics
9594	Dustin	Treece	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G03 - Assessing Upper-Level Courses	Students' Reflections on Past Experiences When Encountering a Novel Representation of Electrostatic Potentials in Upper Division E&M
9770	Daniel	Trojand	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Labs/Apparatus Posters	Student decision making in the undergraduate laboratory program
9600	Chandra	Turpen	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F11 - Building Quantum Information Science and Engineering Curriculum for a Diverse Community of Learners- II (modern, quantum and accessibility)	Disrupting competitive science culture through deliberate instructional policies and practices in a Modern Physics Course
9083	Ayçin	Ünal	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J01 - Effective Practices in K-12	Enhancing Problem-Solving Skills and Creative Self-Efficacy through Problem-Based Learning Associated with Daily Life: A Study on Optics
9538	Mary	Urquhart	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H02 - Astronomy and the Search for Life in the Universe	Scale and the Search for Habitable Worlds
9476	Mary	Urquhart	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Educational Technology Posters	Scaffolded Problem-Solving for Introductory Mechanics with STEPP
9772	Diego	Valente	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E07: PER & Assessment Ideas III	Constructive Practices for Implementing a Culture of Assessment
9356	Jean-Francois	Van Huele	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E06 - Being a Student-Ready Physics Classroom	We are all in this together: the opportunities and challenges of group assessment courses
9138	RAJKUMAR	VERMA	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H03 - Labs/Apparatus	AC Generator using Electric Field instead of Magnetic Field
9333	Michael	Verostek	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A06 - Teaching About How Science is Done to Impact Careers and Professionalism	Social aspects of computation used by researchers in physics and other STEM disciplines
9060	James	Vesenska	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A09 - Teaching IPLS- Interactive Poster Session	To B(ernoulli), or not to B(ernoulli): when Hagen Poiseuille misses the mark.
9136	James	Vesenska	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H03 - Labs/Apparatus	Inexpensive Quantitative Doppler Effect with Pop Tubes and Slow Motion Video Analysis
9472	Melissa	Vigil	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E03 - Using, Adapting and Contributing to the Living Physics Portal	Bridging Physics and Life Sciences Education: Biologically Relevant Physics Resources in the Living Physics Portal
9465	Melissa	Vigil	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Beyond Introductory Physics Posters II	The Physics of Lacrosse Faceoffs: Biomechanical Insights into Wrist Injury Prevention
9439	Michael	Vignal	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H06 - How to Analyze and Assess when Conducting PER	Couplet Scoring: A New Paradigm for Designing and Scoring Research-Based Assessment Instruments
9276	Brittney	VornDick	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities	Examination of Cause and Effect Using the Principles of the Rube-Goldberg Machine
9506	Doris	Wagner	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B09 - Teaching IPLS- Interactive Poster Session	Development of Reynolds-Number questions for the Fluids Conceptual Evaluation (FCE)
9503	Doris	Wagner	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G09 - Teaching Intro Physics for Life Sciences and using the Living Physics Portal	Disconnect Between Experts' Views on the Importance of Coverage of Drag and Textbooks' Actual Coverage of Drag
9153	John	Walkup	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A06 - Teaching About How Science is Done to Impact Careers and Professionalism	Reshaping Students' Professionalism through a Unique Adaptation of the Traditional One-Dimensional Elastic Collision Experiment
9155	John	Walkup	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Labs/Apparatus Posters	Introductory Physics Lab Activity Suite for Instilling Professional Engineering Practices
9151	John	Walkup	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Labs/Apparatus Posters II	Treatment of Statistics and Error in Introductory Physics Lab Manuals: A Comparison Study
9521	Mark	Wang	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D06 - Undergraduate Research - SPS	Low Cost Electrostatic Method for Efficient Cleanup of Oil Spills
9738	Jianlan	Wang	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H05 - PER into Being a Physics Educator (or LA) and Bolstering Physics Identity	Model the impact of learning assistants' PCK-Q on students' conceptual learning and critical thinking skills
9568	Meg	Ward	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities in Labs	Revitalizing the Laboratory Curriculum in Major and Non-Major Courses
8770	Kebra	Ward	7/18/2023 09:00 AM (PDT)	7/18/2023 10:00 AM (PDT)	E06 - Being a Student-Ready Physics Classroom	Interactive Engagement and Remote Learning: A South African Case Study
9102	Alyssa	Waterson	7/17/2023 02:00 PM (PDT)	7/17/2023 03:00 PM (PDT)	C08 - Calling TYCs! About OPTYCs: The Organization for Physics at Two-Year Colleges	Investigating Total Time-to-Degree through Higher Education for Michigan State University Transfer Students

9181	Jessica	Watts	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D07: Teaching About How Science is Done I & II	Exploring a Physics Phenomenon Through the Practices of Science
9182	Jessica	Watts	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F06 - Being a Student-Ready Physics Classroom	Designing a Storyline To Increase Student Engagement In Physics Labs
9180	Jessica	Watts	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H11 - Making Physics Labs and Apparatus More Accessible	Teacher Moves for Inclusive and Equitable Experiences
9615	Kristin	Wedding	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	DEI Posters	(Cancel) A Cautionary Tale for Learning Gains
9710	Brenda	Weiss	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H03 - Labs/Apparatus	Visualizing Energy Conservation using PASCO smart carts
9456	Alexandra	Werth	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J08 - Teamwork in Labs: Guidance for Instruction	Exploring Teamwork in a Physics Course-Based Undergraduate Research Experience: Goals, Challenges, and Strategies
9087	Christopher	Wheatley	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I05 - PER & Assessment Ideas IV	Context-dependence of the Motion Implies Active Forces Misconception
8891	Christopher	Wheatley	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Physics Education Research: Intro Courses Posters	Why do students choose the response "force in the direction of motion?"
9564	Gary	White	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J03 - Effective Practices for Developing Scientific Thinking, Reasoning, and Decision-Making Abilities- Investigating Science Practices	Elevating LCA (limiting case analysis) as a classroom activity
8951	Julia	Willison	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D05 - PER: Active Engagement	Examining professors' choices while implementing the Next Gen PET curriculum through Revealed Causal Mapping
9325	Chuck	Winrich	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J10 - Being a Student-Ready Physics Class- II	Encouraging a Growth Mindset
9622	Krista	Wood	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities	Scientific Reasoning in a Two-Year College Introductory Physics Lab Course
9137	Brian	Woodahl	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G10 - Effective Practices in Educational Technology	ChatGPT Takes Physics Exam
9395	Xian	Wu	7/17/2023 09:00 AM (PDT)	7/17/2023 10:00 AM (PDT)	A04 - PER: Assessment Ideas I	Item Response Theory Analysis of the Energy and Momentum Conceptual Survey in Calculus-Based Physics for Life Sciences
9384	Jie	Yang	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H04 - PER & DEI I	Do female high school physics teachers encourage more women in physics?
8784	Ran	Yang	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H07 - Mentoring Students for Careers in Physics	MCP - Mentoring for Careers in Physics
9149	Jun-ichiro	Yasuda	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B04 - PER: Assessment Ideas I	Visualizing depth of student conceptual understanding using subquestions and alluvial diagrams
9025	Garett	Yoder	7/19/2023 10:00 AM (PDT)	7/19/2023 11:00 AM (PDT)	J02 - Innovations in Teaching Astronomy	Creating Powerful Educational Experiences in a General Education Astronomy Course
9098	Zhengyun	You	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D06 - Undergraduate Research - SPS	Research and Outreach for students at Sun Yat-sen University
9218	Tamara	Young	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H04 - PER & DEI I	Using Nepantla as a Theoretical Framework in Physics Education Research
9398	Yin-Kai	Yu	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G10 - Effective Practices in Educational Technology	Exploring a Self-Learning Teaching Model Based on ChatGPT: A Case Study in Fourier Optics
8945	Richard	Zajac	7/18/2023 10:00 AM (PDT)	7/18/2023 11:00 AM (PDT)	F07 - Navigating the Faculty Career	Why my teaching evaluations got "adjusted" down – and what it taught me about my students
9309	Richard	Zajac	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Introductory Courses Posters II	"Adjusted" teaching evaluation scores at KSU: Further reverse engineering the algorithm and what it says about students
9239	Changgong	Zhou	7/17/2023 03:00 PM (PDT)	7/17/2023 04:00 PM (PDT)	D03 - Effective Practices for Developing Scientific Thinking, Reasoning and Decision-Making Abilities in Labs	Self-guided instruction of uncertainty analysis in introductory labs
9365	Raymond	Zich	7/19/2023 09:00 AM (PDT)	7/19/2023 10:00 AM (PDT)	I05 - PER & Assessment Ideas IV	Multi-semester assessment of the effects of modified electric field diagrams on student interpretation
9367	Raymond	Zich	7/18/2023 05:30 PM (PDT)	7/18/2023 06:30 PM (PDT)	Physics Education Research Posters II	Extended evaluation of the instructional effectiveness of computational exercises in teaching general education astronomy courses
9231	Cagla	Zirek	7/16/2023 07:00 PM (PDT)	7/16/2023 08:00 PM (PDT)	Introductory Courses Posters	Investigating Layers of Abstraction in Gestures in Physics Collaborative Problem Solving
9619	Robert	Zisk	7/18/2023 02:00 PM (PDT)	7/18/2023 03:00 PM (PDT)	G07 - State and Institutional Challenges for Physics Teacher Prep	Community Building: Addressing Recruitment and Retention in the Rutgers University Physics Teacher Preparation Program
9468	Dina	Zohrabi Alaei	7/18/2023 03:00 PM (PDT)	7/18/2023 04:00 PM (PDT)	H08 - Upper Division Undergrad	The formation of physics subfield interests during undergraduate education
9319	Benjamin	Zwickl	7/17/2023 10:00 AM (PDT)	7/17/2023 11:00 AM (PDT)	B06 - Teaching About How Science is Done in Your Course	Examining the gap between school physics and how physics is done