

Engaging students in authentic scientific practices in physics lab courses

SEMINAR

19 Feb, 2024
15:00h

Modeling, which includes developing, testing, and refining models, is a central activity in physics. Modeling is most fully represented in the **laboratory**, where measurements of real phenomena intersect with theoretical models. Experimental physicists use models in complex ways, however, this process is often not made explicit in physics lab courses.

This workshop will present a framework to describe the modeling process in Physics Lab courses developed by Prof. Lewandowski's research group.

Heather Lewandowski is an experimental physicist at the University of Colorado Boulder and a Fellow of the JILA. She serves on the board of the Advanced Laboratory Physics Association and she has been involved in the creation of the Recommendations for the Undergraduate Physics Laboratory Curriculum (2014).



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