



Contribution ID: 453

Type: **not specified**

The Future (Near and Far) of Particle Detectors

Saturday, 8 August 2015 09:00 (30 minutes)

The field of particle physics spans 24 orders of magnitude in energy – from axion masses to the highest energy cosmic rays. The species of particles we have to contend with – hadrons, leptons, bosons, neutrinos, dark matter, phonons, quasi-particles, etc. – are unique and equally challenging in nature. Because of this diversity, particle physics has traditionally been a hotbed of innovative detector research. This talk will cover some of the challenges facing us today in detector technology and overview some of the most interesting solutions to those challenges.

Oral or Poster Presentation

Oral

Primary author: RAMBERG, Erik (Fermilab)**Presenter:** RAMBERG, Erik (Fermilab)**Session Classification:** Session I-E**Track Classification:** Plenary sessions