

Particle Physics Masterclass: *From Quarks to the Cosmos!!*

Experience authentic astrophysics with the IceCube South Pole Neutrino Observatory
and particle physics with the Compact Muon Solenoid (CMS) at CERN

Saturday, 1 April 2017; 8:45 am – 4:00 pm

Punahou School, Mamiya Science Center, Room 104 and Cornuelle Hall

RSVP by 24 March to XXXXXXXX

- For high school students and teachers
- Learn about IceCube, a cubic-kilometer detector at the South Pole, and how neutrinos help us explore the extreme Universe
- Discover the world of quarks and leptons with data from CERN
- Morning lectures
- Lunch with physicists
- Hands-on analyses using data from the IceCube and CMS Collaborations:
 - High Energy Neutrinos from the Cosmos
 - Measurement of W and Z bosons
- Speakers: Jason Kumar, Carsten Rott, Jamie Gainer, and Warren Huelsnitz
- Organized by UH Physics Outreach
- Sponsored by UH Manoa Physics Department
- For more information: whuelsnitz@punahou.edu

