**Cosmic Ray Workshop Agenda**

Punahou School, Mamiya Science Center

Rooms M103, M104, Cornuelle Auditorium

Sept 29, 2018

9:00 Registration (Outside Aud.) A. Kuhlman, C. Freeman

Pre Test C. Kobashigawa

9:15 Welcome and Introductions (M103 for Middle School) C. Ishii

(M104 for High School) V. Bindi, M. Kadooka

9:30 Particle Detector Talk and Demonstration (M103) S. Wang

Applications of Detector (M104) C. Light

9:45 Particle Detector Talk and Demonstration (M104) S. Wang

Applications of Detector (M103) C. Light

10:00 Particle Detector Activity – Middle School Activity (M103) Kobashigawa, S. Wang

Solar Energetic Particles - High School Activity (M104) D. Ong, C. Light

Tour of Muon Detector in M103 J. Adams

(Informal Break during this activity at discretion of instructors)

11:45 CERN Video (M104, M103) C. Corti

12:00 Lunch and Talk Story with Physicists (M104) Dr. M Jones, Dr. C. Corti

C. Light, S. Wang, A. Kuhlman, C. Freeman

12:45 Group Photo S. Rocchi

1:00 AMS Data and Solar Energetic Particles (Cornuelle Aud) C. Light

1:30 Solar Energetic Particles - Middle School Activity (M103) C. Kobashigawa

Cosmic Ray Analysis e-Lab – High School Activity (M104) M. Jones, P. Grach  
            [www.phys.hawaii.edu/~quarknet](http://www.phys.hawaii.edu/~quarknet)

3:00 Post Test and Evaluation (M104) C. Kobashigawa

3:30 Adjourn

Laptops are needed for this workshop.

So please bring them for pairs of students.

Special thanks to QuarkNet teachers – Duc Ong, Peter Grach, Tiffany Coke and Johannes Adams





