



List of Displays & Posters

2 tours will take place at 3:00 p.m. and 3:30 p.m.

1. Atomic Layer Deposition Lab – Bldg. 360 (Anil Mane)
2. Display: NOvA Paley/Budd

Large Area Photodetector:

1. Ceramic Hermetic Sealed Tube Detector
2. Characterization of Secondary Electron Emissive Materials
3. Channel Plate Testing at UCB-SSL
4. From PMT to 8"x8" Photocathodes
5. The Photocathode Program of the Large Area Picosecond Photo Detector Project
6. Real-time In Situ X-ray Scattering and Surface Characterization
7. Instrumentation for Theory-Inspired Photocathode Development with the LAPPD
8. Photocathode and Sealed Tube Processing at UCB-SSL
9. Front-end Waveform Sampling ASICs faster than 10 GSa/s
10. Fabrication of a Prototype Micro-Channel Plate Photodetector
11. Fabrication of economical and robust large area MCPs by atomic layer deposition

Gamma-Ray Astrophysics:

1. A Topological Trigger System for Imaging Atmospheric Cherenkov Telescopes
2. The Cherenkov Telescope Array (CTA) - The Mid-Sized Davies-Cotton Design
3. Indirect searches for Dark Matter annihilations toward dSph galaxies with VERITAS

South Pole Telescope:

1. An Absorber-Coupled TES Bolometer for Measuring CMB Polarization
2. Recent Measurements of CMB Temperature Anisotropies with the South Pole Telescope
3. Constraining Dark Energy with the South Pole Telescope
4. PreCam: the Precursor to the Dark Energy Camera (DECAM)".

CMB:

1. "Constraining Dark Energy with the South Pole Telescope"
2. "Recent Measurements of CMB Temperature Anisotropies with the South Pole Telescope"

Computational Cosmology:

1. Hardware Accelerated Cosmology Code
2. How dark is dark energy?

Electronics Group:

1. HEP Electronics Group Capabilities & Current Projects
2. HEP Electronics Group Readout System for the Digital HCAL Detector R&D
3. HEP Electronics Group The VERITAS Level 2 Trigger Upgrade

DHCAL:

1. DHCAL construction (Kurt Francis)
2. Glass Spraying Operation (Jacob Smith and Daniel Trojand)
3. The DHCAL Readout System (Gary Drake)

Optical Wireless Data Transmission (Waruna Fernando)**AWA:**

1. High Quantum Efficiency Photocathode for AWA Photoinjector, Zeke Yusof
2. Upgrade of the AWA Facility, Manoel Conde
3. AWA Expansion and Future Beamlines, Manoel Conde
4. Study of a TeV level linear collider using short rf pulse (~20ns) two beam accelerator concept, Chunguang Jing
5. Development of an X-band dielectric based wakefield power extractor for potential CLIC applications, Chunguang Jing
6. Progress on Multipactor Studies in Dielectric – Loaded Accelerating Structures, Sergey Antipov
7. THz / GHz Dielectric (Diamond) Wakefield Accelerating Structures, Sergey Antipov

SRF:

1. Dissipation mechanism in SRF niobium cavities (Thomas Prolier)
2. Atomic layer deposition of superconductors for SRF (Jeff Klug)
3. Work for the next generation of SRF cavities (Thomas Prolier)
4. Progress in understanding Gradient limits in warm cavities (Jim Norem)

ATLAS:

1. ATLAS TileCAL Low Voltage Power Supply Replacement {Drake, Cundiff, De Lurgio, Kreps, Price, Proudfoot, Stanek}
2. Tile Calorimeter Low Voltage Power Supply Monitoring {Chekanov, Proudfoot, Norberg}
3. Single Top Cross-Section Determination using MadWeight-based Likelihood {Suhr}
4. Jet shape and substructure as a tool for boosted particle searches with ATLAS {Asquith, Blazey, Chekanov, Proudfoot}
5. Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector {Paramonov, Martin}

Neutrino:

1. "Nu_e Appearance Analysis in the MINOS Experiment", Sarah Budd and Xiaobo Huang