

"Snowmass Preparatory mini-Workshop on Frontier Capabilities: Accelerator Technology Test Beds and Test Beams."

Monday, 25 February 2013 - Tuesday, 26 February 2013

Scientific Programme

"Snowmass Preparatory mini-Workshop on Frontier Capabilities: Accelerator Technology Test Beds and Test Beams"
University of Chicago , February 25-26, 2013

Theme 1 “ Possibilities for Energy Frontier machines, required R&D and (beam) facilities”

Topics for Presentation & Discussion: LHC and Upgrades (HL-LHC, HE-LHC, VHE-LHC), VLHC, Beam-plasma e+e- LC, Laser-plasma e+e- LC, DWA (Argonne Flexible Collider) e+e LC, Microstructure/optical e+e LC, Muon Colliders, Linear Crystal (Muon) Collider, ILC-0.5 and ILC-1, CLIC-3 TeV and Other two-beam schemes.

Theme 2 “ Possibilities for Intensity Frontier machines, required R&D and (beam) facilities”

Topics for Presentation & Discussion: Main Injector complex & Upgrades, per-B/C-tau, Project-X, Daedalus Cyclotrons, Higgs factories – 3 options, Neutrino Factory/NuSTORM.

Theme 3 “ Technology developments, required R&D and (no beam) facilities”

Topics for Presentation & Discussion: Sources – e/p/i, NC RF, SC RF, SC Magnets, High power targets.

Theme 4 “ Detector R&D and “Test Beam” facilities”

Topics for Presentation & Discussion: Detector R&D, HEP Test beds.