



Contribution ID: 164

Type: **Parallel Talk**

“Snowmass’21 Accelerator Frontier: Summary of Discussions on Future HEP Facilities in the US

Friday, 8 July 2022 09:00 (20 minutes)

The Particle Physics Community Planning Exercise (a.k.a. “Snowmass”) is the form of organization of regular, every 6 to 8 years, discussions among the entire particle physics community to develop a scientific vision for the future of particle physics in the U.S. and its international partners. The Snowmass’21 Accelerator Frontier activities

include discussions on high-energy hadron and lepton colliders, high-intensity beams for neutrino research and for the “Physics Beyond Colliders”, accelerator technologies, science, education and outreach as well as the progress of core accelerator technology, including RF, magnets, targets, and sources.

Summary of the Snowmass discussions on future HEP facilities in the US will be presented.

In-person participation

Yes

Primary author: SHILTSEV, Vladimir (Fermilab)

Co-authors: RAUBENHEIMER, Tor (SLAC); GOURLAY, Steve (LBNL)

Presenter: SHILTSEV, Vladimir (Fermilab)

Session Classification: Accelerators: Physics, Performance, and R&D for future facilities

Track Classification: Accelerators: Physics, Performance and R&D for future facilities