

ICHEP 2022

Thursday, 7 July 2022

Accelerators: Physics, Performance, and R&D for future facilities - Room 12 (Celeste) (09:00 - 10:45)

-Conveners: Angeles Faus-Golfe

time	[id] title	presenter
09:00	[1022] Crystal-based positron source for the lepton colliders	CHAIKOVSKA, Iryna
09:15	[362] Considerations for Fermilab Multi-MW Proton Facility in the DUNE/LBNF era	NAGAITSEV, Sergei
09:30	[1080] Beam Dynamics Effects in the Muon g-2 Experiment	DRIUTTI, Anna
09:45	[1088] Tracking the magnetic field in the Fermilab Muon g-2 experiment	REIMANN, René
10:00	[1346] The Advanced Beam-Cooling Program at Fermilab: First Experimental Demonstration of Optical Stochastic Cooling	Prof. NAGAITSEV, Sergei
10:15	[1046] Pion-Production Target for Mu2e-II: Simulation Design and Prototype	PRONSKIKH, Vitaly
10:30	[1335] Crystal-based extraction of the electron beam circulating in the DESY II Booster Synchrotron	MAZZOLARI, Andrea

Accelerators: Physics, Performance, and R&D for future facilities - Room 12 (Celeste) (11:15 - 13:00)

-Conveners: Jie Gao

time	[id] title	presenter
11:15	[1328] The CLIC and ILC accelerator status and plans	FAUS-GOLFE, Angeles
11:35	[584] Report of electron beam acceleration with STF-2 cryomodules for the ILC	KURATA, Masakazu
11:50	[46] Study status of the CEPC Machine-Detector Interface and Interaction Region	SHI, Haoyu
12:05	[643] FCC-ee Energy Calibration and Polarization	KEINTZEL, Jacqueline
12:20	[411] FCC-ee Booster Design	DALENA, Barbara
12:35	[535] FCC-ee Collective Effects and their mitigation	CARIDEO, Emanuela

Accelerators: Physics, Performance, and R&D for future facilities - Room 12 (Celeste) (14:30 - 16:30)

-Conveners: Gaku Mitsuka

time	[id] title	presenter
14:30	[472] The FCC-ee Preinjector and the PSI Positron Production at SwissFEL	CRAIEVICH, Paolo
14:45	[1124] Overview of the LHeC and FCC-he accelerator concepts	HOLZER, Bernhard
15:05	[1123] PERLE: The development of a multi-turn, high current ERL	Mr KAABI, Walid
15:20	[1274] The Electron-Ion Collider: an overview	VERDÚ-ANDRÉS, Silvia
15:40	[1131] Status and challenges of the Future Circular Hadron Collider FCC-hh	GIOVANNONZI, Massimo
16:00	[1139] Progress towards the CERN Gamma Factory	MARTENS, Aurelien

Accelerators: Physics, Performance, and R&D for future facilities - Room 12 (Celeste) (17:00 - 19:00)**-Conveners: Vladimir Shiltsev**

time	[id] title	presenter
17:00	[1330] Plans for future energy frontier accelerators to drive particle physics discovery	Dr PASTRONE, Nadia
17:20	[1247] Machine-detector interface studies for a multi-TeV muon collider	CALZOLARI, Daniele
17:35	[1092] High Field Magnet Development for HEP in Europe – A Roadmap by the LDG HFM Expert Panel	AUCHMANN, Bernhard
17:50	[1159] High-resolution, low-latency, bunch-by-bunch feedback systems for nano-beam production and stabilization	BURROWS, Philip
18:05	[464] A new method with minimized systematic error sources to detect axion dark matter in storage rings using an rf Wien filter	KIM, On
18:20	[471] Storage ring proton EDM comprehensive systematic errors study for 10^{-29} e-cm level.	SEMERTZIDIS, Yannis
18:35	[1251] Channeling at accelerators high-energy frontier and future developments from GALORE	ROMAGNONI, Marco

Friday, 8 July 2022

Accelerators: Physics, Performance, and R&D for future facilities - Room 5 (Aavorio) (09:00 - 10:45)

-Conveners: FRANK ZIMMERMANN

time	[id] title	presenter
09:00	[164] "Snowmass'21 Accelerator Frontier: Summary of Discussions on Future HEP Facilities in the US	SHILTSEV, Vladimir
09:20	[860] HL-LHC status and operational scenarios	DE MARIA, Riccardo
09:40	[872] FCC-ee Collider Design Overview	HOFER, Michael
10:00	[1175] Current Status of the ILC and CLIC projects	BURROWS, Philip
10:20	[1150] The muon collider progress	SCHULTE, Daniel