



# ICHEP 2022

## Thursday, July 7, 2022

### Accelerators: Physics, Performance, and R&D for future facilities - Room 12 (Celeste) (9:00 AM - 10:45 AM)

-Conveners: Angeles Faus-Golfe

time	[id] title	presenter
9:00 AM	[1022] Crystal-based positron source for the lepton colliders	CHAIKOVSKA, Iryna
9:15 AM	[362] Considerations for Fermilab Multi-MW Proton Facility in the DUNE/LBNF era	NAGAITSEV, Sergei
9:30 AM	[1080] Beam Dynamics Effects in the Muon g-2 Experiment	DRIUTTI, Anna
9:45 AM	[1088] Tracking the magnetic field in the Fermilab Muon g-2 experiment	REIMANN, René
10:00 AM	[1346] The Advanced Beam-Cooling Program at Fermilab: First Experimental Demonstration of Optical Stochastic Cooling	Prof. NAGAITSEV, Sergei
10:15 AM	[1046] Pion-Production Target for Mu2e-II: Simulation Design and Prototype	PRONSKIKH, Vitaly
10:30 AM	[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 AM - 1:00 PM)

-Conveners: Jie Gao

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

### Accelerators: Physics, Performance, and R&D for future facilities - Room 12 (Celeste) (2:30 PM - 4:30 PM)

-Conveners: Gaku Mitsuka

time	[id] title	presenter
2:30 PM	[472] The FCC-ee Preinjector and the PSI Positron Production at SwissFEL	CRAIEVICH, Paolo
2:45 PM	[1124] Overview of the LHeC and FCC-he accelerator concepts	HOLZER, Bernhard
3:05 PM	[1123] PERLE: The development of a multi-turn, high current ERL	Mr KAABI, Walid
3:20 PM	[1274] The Electron-Ion Collider: an overview	VERDÚ-ANDRÉS, Silvia
3:40 PM	[1131] Status and challenges of the Future Circular Hadron Collider FCC-hh	GIOVANNOZZI, Massimo
4:00 PM	[1139] Progress towards the CERN Gamma Factory	MARTENS, Aurelien

**Accelerators: Physics, Performance, and R&D for future facilities - Room 12 (Celeste) (5:00 PM - 7:00 PM)****-Conveners: Vladimir Shiltsev**

time	[id] title	presenter
5:00 PM	[1330] Plans for future energy frontier accelerators to drive particle physics discovery	Dr PASTRONE, Nadia
5:20 PM	[1247] Machine-detector interface studies for a multi-TeV muon collider	CALZOLARI, Daniele
5:35 PM	[1092] High Field Magnet Development for HEP in Europe – A Roadmap by the LDG HFM Expert Panel	AUCHMANN, Bernhard
5:50 PM	[1159] High-resolution, low-latency, bunch-by-bunch feedback systems for nano-beam production and stabilization	BURROWS, Philip
6:05 PM	[464] A new method with minimized systematic error sources to detect axion dark matter in storage rings using an rf Wien filter	KIM, On
6:20 PM	[471] Storage ring proton EDM comprehensive systematic errors study for $10^{-29}$ e-cm level.	SEMERTZIDIS, Yannis
6:35 PM	[1251] Channeling at accelerators high-energy frontier and future developments from GALORE	ROMAGNONI, Marco

# Friday, July 8, 2022

## Accelerators: Physics, Performance, and R&D for future facilities - Room 5 (Aorio) (9:00 AM - 10:45 AM)

-Conveners: FRANK ZIMMERMANN

time	[id] title	presenter
9:00 AM	[164] "Snowmass'21 Accelerator Frontier: Summary of Discussions on Future HEP Facilities in the US	SHILTSEV, Vladimir
9:20 AM	[860] HL-LHC status and operational scenarios	DE MARIA, Riccardo
9:40 AM	[872] FCC-ee Collider Design Overview	HOFER, Michael
10:00 AM	[1175] Current Status of the ILC and CLIC projects	BURROWS, Philip
10:20 AM	[1150] The muon collider progress	SCHULTE, Daniel