

Fysikdagarna 2023

Wednesday, June 14, 2023

Sektionen för elementarpartikel och astropartikelfysik: Parallel - Oskar Klein Auditorium FR4 (9:00 AM - 12:15 PM)

time	[id] title	presenter
9:00 AM	[113] ATLAS Detector Operations	LUNDBERG, Olof
9:15 AM	[112] Studying the Higgs sector with ATLAS	DIMITRIADI, Christina
9:30 AM	[111] Search for beyond the standard model physics with ATLAS	BRUNNER, David
9:45 AM	[110] Preparing ATLAS for the future	HERDE, Hannah
10:00 AM	[114] Vector-like quarks and vacuum misalignment in composite Higgs models	BANERJEE, Avik
10:15 AM	[76] Search for dark mesons at the LHC	SUNNEBORN GUDNADOTTIR, Olga
10:30 AM	Coffee	
11:00 AM	[89] Status of the Light Dark Matter eXperiment (LDMX)	BRYNGEMARK, Lene Kristian
11:15 AM	[67] The SHiP experiment at the proposed CERN SPS Beam Dump Facility	JACOBSSON, Richard
11:30 AM	[123] The HIBEAM/NNBAR program	MILSTEAD, David
11:45 AM	[124] Free-Neutron Oscillation Searches at the European Spallation Source	FRIMAN-GAYER, Udo

Thursday, June 15, 2023

Sektionen för elementarpartikel och astropartikelfysik: Parallel Section sessions - Oskar Klein Auditorium FR4 (3:30 PM - 6:45 PM)

time	[id] title	presenter
3:30 PM	[99] ALICE activities in Lund	SILVERMYR, David
3:45 PM	[92] Background Rejection at the Light Dark Matter eXperiment with an 8 GeV Beam	WALLIN, Erik
4:00 PM	[121] Photonuclear event generator comparisons for the Light Dark Matter eXperiment	ELÉN, Einar
4:15 PM	[73] Spin-1 Thermal Targets for Dark Matter Searches at Fixed Target Experiments	GRAY, Taylor
4:30 PM	[103] Three-pion scattering: From the chiral Lagrangian to the lattice	SJÖ, Mattias
4:45 PM	Break	
5:15 PM	[82] The nuSTORM project in ESSnuSBplus	OLVEGÅRD, Maja
5:30 PM	[84] Effective Field Theory descriptions of Higgs boson pair production	DIMITRIADI, Christina
5:45 PM	[68] Anatomy of di-Higgs production with light stops	WALTARI, Harri
6:00 PM	[57] LEX EFT; The Light Exotics Effective Field Theory	CARPENTER, Linda
6:15 PM	[105] Tropical Feynman integration in the physical region	TELLANDER, Felix

Friday, June 16, 2023

Sektionen för elementarpartikel och astropartikelfysik: Parallell - Oskar Klein Auditorium FR4 (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[55] Dark Matter Searches with Cosmic-Ray Antinuclei	LINDEN, Timothy
9:15 AM	[62] New View of Pulsar and Dark Matter Contributions to the Local Cosmic-Ray Positron Flux	JOHN, Isabelle
9:30 AM	[86] First Results from XENONnT and an outlook towards DARWIN	MAHLSTEDT, Jörn
9:45 AM	[54] Direct searches for general dark matter-electron interactions with graphene detectors	URDSHALS, Einar
10:00 AM	[116] Gamma-ray constraint on decaying axionlike particles from supernovae	MÜLLER, Eike Christoph
10:15 AM	[56] The ESCAPE Dark Matter Science Project	DOGLIONI, Caterina

Sektionen för elementarpartikel och astropartikelfysik: Parallell - Oskar Klein Auditorium FR4 (11:00 AM - 12:30 PM)

time	[id] title	presenter
11:00 AM	[53] Audible Gravitational Echoes of New Physics	PASECHNIK, Roman
11:15 AM	[143] Report from CERN Council	BRENNER, Richard
11:30 AM	[140] ACCU	GONZALEZ SUAREZ, Rebeca
11:40 AM	[139] RECFA	MILSTEAD, David
11:50 AM	[137] IPPOG / Outreach	STRANDBERG, Jonas
12:00 PM	[138] IUPAP	CATENA, Riccardo PASECHNIK, Roman
12:10 PM	[141] Snowmass	DOGLIONI, Caterina
12:20 PM	[142] APPEC	FINLEY, Chad

Sektionen för elementarpartikel och astropartikelfysik: Parallell - Oskar Klein Auditorium FR4 (1:30 PM - 3:30 PM)

time	[id] title	presenter
1:30 PM	[52] Propagation of gauge fields in hot and dense plasmas at higher orders	EKSTEDT, Andreas
1:45 PM	[101] Hunting axions with metamaterials: the ALPHA haloscope	GALLO ROSSO, Andrea
2:00 PM	[100] Exploratory prototypes for axion detection: the ALPHA haloscope	KAUR, Gagandeep
2:15 PM	[129] DeepLearning in IceCube: challenges and prospects	GLÜSENKAMP, Thorsten
2:30 PM	[80] Refining the IceCube detector geometry using muon and LED calibration data	JANSSON, Matti
2:45 PM	[58] Responding to astrophysical alerts with the IceCube MeV neutrino data stream	VALTONEN-MATTILA, Nora
3:00 PM	[70] The Future Circular Collider (FCC) at CERN	GONZALEZ SUAREZ, Rebeca
3:15 PM	[83] Long-lived particles from exotic Higgs decays at FCC-ee	VANDE VOORDE, Magdalena