

Fysikdagarna 2023

Wednesday, 14 June 2023

Sektionen för elementarpartikel och astropartikelfysik: Parallel - Oskar Klein Auditorium FR4 (09:00 - 12:15)

time	[id] title	presenter
09:00	[113] ATLAS Detector Operations	LUNDBERG, Olof
09:15	[112] Studying the Higgs sector with ATLAS	DIMITRIADI, Christina
09:30	[111] Search for beyond the standard model physics with ATLAS	BRUNNER, David
09:45	[110] Preparing ATLAS for the future	HERDE, Hannah
10:00	[114] Vector-like quarks and vacuum misalignment in composite Higgs models	BANERJEE, Avik
10:15	[76] Search for dark mesons at the LHC	SUNNEBORN GUDNADOTTIR, Olga
10:30	Coffee	
11:00	[89] Status of the Light Dark Matter eXperiment (LDMX)	BRYNGEMARK, Lene Kristian
11:15	[67] The SHiP experiment at the proposed CERN SPS Beam Dump Facility	JACOBSSON, Richard
11:30	[123] The HIBEAM/NNBAR program	MILSTEAD, David
11:45	[124] Free-Neutron Oscillation Searches at the European Spallation Source	FRIMAN-GAYER, Udo

Thursday, 15 June 2023

Sektionen för elementarpartikel och astropartikelfysik: Parallel Section sessions - Oskar Klein Auditorium FR4 (15:30 - 18:45)

time	[id] title	presenter
15:30	[99] ALICE activities in Lund	SILVERMYR, David
15:45	[92] Background Rejection at the Light Dark Matter eXperiment with an 8 GeV Beam	WALLIN, Erik
16:00	[121] Photonuclear event generator comparisons for the Light Dark Matter eXperiment	ELÉN, Einar
16:15	[73] Spin-1 Thermal Targets for Dark Matter Searches at Fixed Target Experiments	GRAY, Taylor
16:30	[103] Three-pion scattering: From the chiral Lagrangian to the lattice	SJÖ, Mattias
16:45	Break	
17:15	[82] The nuSTORM project in ESSnuSBplus	OLVEGÅRD, Maja
17:30	[84] Effective Field Theory descriptions of Higgs boson pair production	DIMITRIADI, Christina
17:45	[68] Anatomy of di-Higgs production with light stops	WALTARI, Harri
18:00	[57] LEX EFT; The Light Exotics Effective Field Theory	CARPENTER, Linda
18:15	[105] Tropical Feynman integration in the physical region	TELLANDER, Felix

Friday, 16 June 2023

Sektionen för elementarpartikel och astropartikelfysik: Parallell - Oskar Klein Auditorium FR4 (09:00 - 10:30)

time	[id] title	presenter
09:00	[55] Dark Matter Searches with Cosmic-Ray Antinuclei	LINDEN, Timothy
09:15	[62] New View of Pulsar and Dark Matter Contributions to the Local Cosmic-Ray Positron Flux	JOHN, Isabelle
09:30	[86] First Results from XENONnT and an outlook towards DARWIN	MAHLSTEDT, Jörn
09:45	[54] Direct searches for general dark matter-electron interactions with graphene detectors	URDSHALS, Einar
10:00	[116] Gamma-ray constraint on decaying axionlike particles from supernovae	MÜLLER, Eike Christoph
10:15	[56] The ESCAPE Dark Matter Science Project	DOGLIONI, Caterina

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

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

Sektionen för elementarpartikel och astropartikelfysik: Parallell - Oskar Klein Auditorium FR4 (13:30 - 15:30)

time	[id] title	presenter
13:30	[52] Propagation of gauge fields in hot and dense plasmas at higher orders	EKSTEDT, Andreas
13:45	[101] Hunting axions with metamaterials: the ALPHA haloscope	GALLO ROSSO, Andrea
14:00	[100] Exploratory prototypes for axion detection: the ALPHA haloscope	KAUR, Gagandeep
14:15	[129] DeepLearning in IceCube: challenges and prospects	GLÜSENKAMP, Thorsten
14:30	[80] Refining the IceCube detector geometry using muon and LED calibration data	JANSSON, Matti
14:45	[58] Responding to astrophysical alerts with the IceCube MeV neutrino data stream	VALTONEN-MATTILA, Nora
15:00	[70] The Future Circular Collider (FCC) at CERN	GONZALEZ SUAREZ, Rebeca
15:15	[83] Long-lived particles from exotic Higgs decays at FCC-ee	VANDE VOORDE, Magdalena