

Annual meeting of the Swiss Physical Society 2018

Wednesday, August 29, 2018

Nuclear, Particle- & Astrophysics (TASK): I: High Energy Physics I - CE 3 (1:30 PM - 3:45 PM)

time	[id] title	presenter
1:30 PM	[101] □301□ Lepton Flavour Violation searches at LHCb	ANDREASSI, Guido
1:45 PM	[129] □302□ Lepton flavour universality tests in semileptonic b-quark decays	Dr BUONAURA, Annarita
2:00 PM	[115] □303□ Tests of Lepton flavour universality in $b \rightarrow s \ell \ell^+ \ell \ell^-$ decays at LHCb	GRAVERINI, Elena
2:15 PM	[94] □304□ Anatomy of $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decays and prospects for NP	MAURI, Andrea
2:30 PM	[153] □305□ Flavour anomalies	PUIG NAVARRO, Albert
3:00 PM	[56] □306□ Search for $t\bar{t}H(bb)$ in the all-hadronic channel	SCHWEIGER, Korbinian
3:15 PM	[144] □307□ Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum with the ATLAS detector	MERLASSINO, Claudia
3:30 PM	[170] □309□ A search for bottom squarks in decay chains involving the Higgs boson with the ATLAS Detector	WESTON, Thomas

Nuclear, Particle- & Astrophysics (TASK): II: High Energy Physics II - CE 3 (4:30 PM - 6:30 PM)

time	[id] title	presenter
4:30 PM	[8] □311□ Evidence for the Higgs boson produced in association with a Z or W boson, where H decays to $b\bar{b}$ and the Z/W to leptons.	PERRIN, Gael Ludovic
4:45 PM	[86] □312□ Combined Time-Dependent CP Violation Measurements by the B factory experiments BaBar and Belle	ROEHRKEN, Markus
5:00 PM	[12] □313□ Search for CP violation in the charm sector through an amplitude analysis of $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays at LHCb	SCHUBIGER, Maxime
5:15 PM	[160] □314□ Dimensional mismatch theories and confinement	BARROS, Joao
5:30 PM	[271] □315□ Hadron Physics from Lattice Simulations	BIETENHOLZ, Wolfgang
5:45 PM	[29] □316□ Overview of very rare decays at LHCb	PESCATORE, Luca
6:00 PM	[63] □317□ First steps towards the experimental observation of purely baryonic decay processes using the LHCb detector.	MACKO, Vladimir
6:15 PM	[167] □318□ Photon polarisation in radiative $b\bar{b}$ -hadron decays at LHCb	BELLEE, Violaine

Thursday, August 30, 2018

Nuclear, Particle- & Astrophysics (TASK): III: Accelerator Physics & Technology I - CE 6 (2:00 PM - 4:30 PM)

time	[id] title	presenter
2:00 PM	[272] □321□ The Compact Linear Collider (CLIC): High Precision Physics beyond the HL-LHC	ELSENER, Konrad
2:30 PM	[273] □322□ The landscape of Future Circular Colliders	BLONDEL, Alain
3:00 PM	[212] □323□ The PSI Canted-Cosine-Theta Technology Program for FCC	AUCHMANN, Bernhard
3:15 PM	[205] □324□ Quench Protection of CCT-type High-field Magnets for Accelerators	Ms GAO, Jiani
3:30 PM	[204] □325□ Production of the first 1-m long Canted-Cosine-Theta (CCT) model magnet at PSI	MONTENERO, Giuseppe
3:45 PM	[173] □326□ Beam-Beam studies for Future Circular Colliders	PIELONI, Tatiana
4:00 PM	[113] □327□ Transverse beam stability and Landau damping at LHC and FCC	TAMBASCO, Claudia
4:15 PM	[165] □328□ Machine learning applications for Hadron Colliders: LHC lifetime optimization and designing Future Circular Collider	COYLE, Loic Thomas

Nuclear, Particle- & Astrophysics (TASK): V: Dark Matter & Astrophysics - CE 3 (2:00 PM - 4:15 PM)

time	[id] title	presenter
2:00 PM	[68] □341□ Search for inelastic WIMP-nucleus scattering with XENON1T	Mr BROWN, Adam
2:15 PM	[70] □342□ Simulations and Background predictions for DARWIN	Ms BIONDI, Yanina
2:30 PM	[88] □343□ New Results from the XENON1T Dark Matter Experiment	CAPELLI, Chiara
2:45 PM	[99] □344□ DARWIN: the ultimate dark matter detector	Dr SANCHEZ-LUCAS, Patricia
3:00 PM	[223] □345□ The Progress of ArDM Experiment	MU, Wei
3:15 PM	[59] □346□ Highlights of the FACT TeV monitoring program	Mr ARBET-ENGELS, Axel
3:30 PM	[134] □347□ FACT - Robotic Monitoring at TeV Energies	NEISE, Dominik
3:45 PM	[151] □348□ The SST-1M camera prototype performances and calibration for the CTA SST-1M Project	ALISPACH, Cyril Martin
4:00 PM	[226] □350□ FIT: The Fiber Tracker for the HERD Facility	Dr PERRINA, Chiara

Nuclear, Particle- & Astrophysics (TASK): IV: Accelerator Physics & Technology II - CE 6 (5:00 PM - 6:15 PM)

time	[id] title	presenter
5:00 PM	[127] □331□ Linearised dynamical model for electron cloud induced instabilities	BUFFAT, Xavier
5:15 PM	[154] □332□ Electron-ion dynamics and fast instabilities in the LHC	METHER, Lotta
5:30 PM	[72] □333□ muCool : Development of ultra-cold high-brightness muon beam line	IWAI, Ryoto
5:45 PM	[98] □334□ The development of a high brightness muonium beam	RITJOHO, Narongrit

6:00 PM	[108] □335□ Development of Fast Timing Silicon Monolithic Pixel Sensors and Image Reconstruction for Positron Emission Tomography	HAYAKAWA, Daiki
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Nuclear, Particle- & Astrophysics (TASK): VI: Neutrinos & Low Energy Physics - CE 3 (5:00 PM - 7:00 PM)

time	[id] title	presenter
5:00 PM	[74] □351□ First evidence of a flaring neutrino source and scan of the full sky	CARVER, Tessa Lauren
5:15 PM	[11] □352□ Measurement of neutrino interactions in the T2K near detector	MARET, Lucie Violette
5:30 PM	[93] □353□ Search for neutrinoless double beta decay beyond 10^{26} yr of half life sensitivity with GERDA	MINGAZHEVA, Rizalina
5:45 PM	[186] □354□ First results from the 3x1x1 m ³ dual phase Liquid Argon Time Projection Chamber prototype at CERN	SCHLOESSER, Caspar Maria
6:00 PM	[215] □355□ The proposed SHiP experiment	RODRIGUES CAVALCANTE, Ana Barbara REDI, Federico Leo
6:15 PM	[24] □356□ Investigating the solid deuterium in the PSI UCN source moderator	Mr HILD, Nicolas
6:30 PM	[47] □357□ Muonic Atom Spectroscopy: Preparations Regarding a Measurement of the Charge Radius of Radium	SKAWRAN, Alexander Albert
6:45 PM	[92] □358□ Laser System for the Measurement of the Ground-State Hyperfine Splitting in Muonic Hydrogen	ZEYEN, Manuel

Friday, August 31, 2018

Nuclear, Particle- & Astrophysics (TASK): VII: Detector & Reconstruction - CE 3 (11:15 AM - 1:15 PM)

time	[id] title	presenter
11:15 AM	[4] □361□ Performances of the upgraded CMS pixel detector	RAUCO, Giorgia
11:30 AM	[178] □362□ Optoboard Development for the Inner Tracker of the High Luminosity ATLAS Detector	FEHR, Armin
11:45 AM	[32] □363□ Deep neural network based simultaneous b-jet energy correction and resolution estimator	CHERNYAVSKAYA, Nadezda
12:00 PM	[67] □364□ Real-time track reconstruction for the ATLAS HL-LHC	POGGI, Riccardo
12:15 PM	[84] □365□ Deep Neural Networks for signal/background classification in associated Higgs production with a vector boson decaying into a b-bbar quark	BERGER, Pirmin
12:30 PM	[107] □366□ CMS detector simulation tuning through machine learning	REITENSPIESS, Thomas
12:45 PM	[117] □367□ Reconstruction improvements and model extensions of the ATLAS SUSY search in multijet plus missing transverse momentum final state.	VALENTE, Marco
1:00 PM	[140] □368□ Tuning the simulated response of the CMS detector to b-jets using Machine learning algorithms.	GEDIA, Krunal Bipin