

Joint Annual Meeting of the Swiss and Austrian Physical Society 2023

Tuesday, 5 September 2023

Nuclear, Particle- & Astrophysics (TASK - FAKT): I: LHC Physics and Theory - Room 118 (14:00 - 16:30)

-Conveners: Anna Sfyrla; Mauro Donega

time	[id] title	presenter
14:00	[26] □301□Searching for Higgs+charm production in the diphoton final state at CMS	Mr BEVILACQUA, Tiziano
14:15	[113] □303□Measurement of the lepton universality ratio $B(\varphi \rightarrow \mu\mu)/B(\varphi \rightarrow ee)$ using charm hadron decays.	LANCIERINI, Davide
14:30	[202] □304□Branching fraction measurement of the rare decay $B^0 \rightarrow K \pi^+ \pi^-$	ANDERSSON, Martin
14:45	[260] □305□Realistic SU(5) GUT with lower dimensional representations	HINZE, Kevin
15:00	[191] □306□Probing multilepton decays with the LHCb experiment	LISOVSKYI, Vitalii
15:15	[55] □307□Search for the $B^+ \rightarrow K^+ \tau^+ \tau^-$ decay	FELICIANO FARIA, Maria Carolina
15:30	[59] □308□Vector Glueballs in Holographic QCD	HECHENBERGER, Florian
15:45	[4] □309□Search for $K_S \rightarrow \pi^+ \pi^- \mu^+ \mu^-$ with the Run II LHCb data	Dr GARCIA MARTIN, Luis Miguel

Nuclear, Particle- & Astrophysics (TASK - FAKT): II: Muon - Room 118 (17:00 - 19:00)

-Conveners: Anna Soter

time	[id] title	presenter
17:00	[17] □312□Towards High-Resolution X-Ray Spectroscopy of Muonic Lithium using Metallic Magnetic Microcalorimeters	VON SCHOELER, Katharina
17:15	[90] □313□The Injection Channel of the muEDM Experiment	DOINAKI, Anastasia
17:30	[119] □314□Muonic atom spectroscopy with radioactive targets	VOGIATZI, Stergiani Marina
17:45	[128] □315□Optimization of muon EDM experimental setup using simulations	CHARKABORTY, Ritwika
18:00	[158] □316□Development of a frozen-spin muon trap for the search for a muon electric dipole moment	HUME, Timothy
18:15	[166] □317□Systematic effects in the search for the muon EDM using the frozen-spin method	DUTSOV, Chavdar

Wednesday, 6 September 2023

Nuclear, Particle- & Astrophysics (TASK - FAKT): III: Low Energy and Antimatter - Room 118 (14:30 - 16:30)

-Conveners: Eberhard Widmann

time	[id] title	presenter
14:30	[51] □321□The n2EDM experiment – A high-sensitivity search for physics beyond the Standard Model	KLETZL, Victoria
14:45	[89] □322□The ^{199}Hg co-magnetometer in the n2EDM experiment	CHEN, Wenting
15:00	[133] □323□Commissioning of the ultracold neutron guide system for the n2EDM experiment at PSI	DOORENBOS, Cornelis Bernardus
15:15	[159] □324□An active magnetic shield for the n2EDM experiment	ZIEHL, Nathalie
15:30	[232] □325□Measuring the free neutron lifetime with the τ SPECT experiment at Paul Scherrer Institute	RIES, Dieter Achim
15:45	[13] □326□Status of GBAR: First results of Antihydrogen production	BLUMER, Philipp Peter
16:00	[99] □327□GRASIAN: Towards the first demonstration of gravitational quantum states of atoms	KILLIAN, Carina
16:15	[230] □328□Validation of Monte Carlo Simulations for Antiproton-Nucleus Annihilation at Rest Using Thin Targets	GLIGOROVA, Angela

Nuclear, Particle- & Astrophysics (TASK - FAKT): IV: Detector / DAQ and Algorithms - Room 118 (17:00 - 19:30)

-Conveners: Paolo Crivelli

time	[id] title	presenter
17:00	[174] □331□The Hybrid seeding: flexibility begets flexibility	HENRY, Louis
17:15	[108] □332□Machine Learning Techniques for Triggering Forward Electrons using the General Purpose Calorimetry Framework Lorenzetti Showers	SCHEFER, Meinrad Moritz
17:30	[92] □333□Monitoring of the radiation damage induced aging of the LHCb SciFi tracker SiPMs during the first year of Run 3.	RONCHETTI, Federico
17:45	[122] □334□New Hardware for Next-Generation Detectors: Studying the Performance of R12699-406-M4 PMTs in Cryogenic Xenon	ADROVER, Maximinio
18:00	[153] □335□Silicon Photomultiplier Array for the DARWIN Demonstrator	Ouahada, Sana
18:15	[53] □336□The DAQ system of the Mu3e SciFi detector	WANG, Yifeng
18:30	[25] □337□The monolithic ASIC for the high precision preshower detector of the FASER experiment at the LHC	MAGLIOCCA, Chiara
18:45	[186] □338□The ATLAS ITk Pixel Optosystem	Mr DAL SANTO, Daniele
19:00	[367] □339□The SST-1M: A new stereoscopic Imaging Atmospheric Cherenkov Telescope system	HELLER, Matthieu
19:15	[23] □340□MONOLITH - picosecond time stamping capabilities in fully-monolithic highly-granular silicon pixel detectors	Mr MILANESIO, Matteo

Thursday, 7 September 2023

Nuclear, Particle- & Astrophysics (TASK - FAKT): V: Collider Dark Sector and Neutrinos - Room 118 (17:00 - 19:15)

-Conveners: Vitalii Lisovskyi

time	[id] title	presenter
17:00	[157] □341□Search for Dark Sector particles at LHCb	ANDREOLA, Pasquale
17:15	[50] □343□Semi-visible dark photons at the NA64 experiment	MONGILLO, Martina
17:30	[234] □342□Latest results of NA64 searching for Dark Sectors at the CERN SPS	BANTO OBERHAUSER, Benjamin
17:45	[65] □344□Measurement of the X17 anomaly with the MEG II detector	DAL MASO, Giovanni
18:00	[192] □345□The SND@LHC detector	KAUNISKANGAS, Anni
18:15	[79] □346□Observation of collider neutrinos with SND@LHC	FERRILLO, Martina
18:30	[107] □347□Status of FASERnu and development of neutrino energy reconstruction algorithms	ATKINSON, Jeremy
18:45	[196] □348□The LEGEND experiment in a search for neutrinoless double beta decay	BABICZ, Marta
19:00	[197] □349□Deep learning methods for neutrino event reconstruction	Dr ALONSO MONSALVE, Saul

Friday, 8 September 2023

Nuclear, Particle- & Astrophysics (TASK - FAKT): VI: Dark Matter and Neutrinos - Room 118 (12:00 - 14:15)

-Conveners: Ben Kilminster

time	[id] title	presenter
12:00	[368] □351□Overview of Neutrino Physics in Switzerland	DIURBA, Richard
12:30	[223] □353□Recent results from XENONnT	WITTWEG, Christian
12:45	[151] □354□DARWIN: a next-generation observatory for dark matter and neutrino physics	RAJADO SILVA, Mariana
13:00	[180] □355□Xenoscope - a full scale vertical demonstrator for the DARWIN observatory	CIMENTAL CHAVEZ, Paloma
13:15	[111] □356□Density-functional theory description of xenon for light dark matter direct detection	MARIN, Luca
13:30	[250] □357□COSINUS: Investigating the Dark Matter Origin of DAMA/LIBRA Results Using NaI as a Cryogenic Calorimeter	MAJI, Rituparna
13:45	[369] □358□The NUSES space mission	Dr TRIMARELLI, Caterina