

Astroparticle Physics in Germany - Long-Term Strategy 2024

Wednesday, October 16, 2024

Poster session leading into social dinner buffet - Physics (Bld. 30.22) + NTI-Hörsaal (Bld. 30.10) (4:30 PM - 9:30 PM)

time	[id] title	presenter
5:09 PM	[70] MuSES: Multi-messenger Studies of Extragalactic Super-colliders	
5:11 PM	[77] Probing Lorentz violation in the ultra-high-energy regime using air showers	RISSE, Markus
5:13 PM	[79] DELight: a Direct search Experiment for Light dark matter with superfluid helium	
5:15 PM	[78] KATRIN-like mini MAC-E Filter with a tritium source for the advanced physics lab course	
5:17 PM	[76] Towards searching for photons with energies beyond the PeV range from galactic PeVatrons	RISSE, Markus
5:19 PM	[80] First glance at the latest science runs of the KATRIN neutrino mass experiment using the KaFit analysis package	
5:21 PM	[81] The "LowRad"-project: Background reduction beyond the neutrino fog	
5:23 PM	[83] The Tritium Laboratory for Astroparticle Physics Research	
5:25 PM	[82] High energy resolution with a Transverse Energy Compensator for time-of-flight spectroscopy at KATRIN++	
5:27 PM	[84] Cosmic-ray Physics with IceCube-Gen2	
5:29 PM	[85] Highlights from the Pierre Auger Observatory	
5:31 PM	[86] R&D towards an atomic hydrogen source for future neutrino mass experiments	RODENBECK, Caroline
5:33 PM	[87] Real-scale R&D for XLZD	
5:35 PM	[88] Entering the next phase of UHE cosmic-ray studies with the Radio Detector of the Pierre Auger Observatory	
5:37 PM	[89] Electrode Design & Characterisation for the XLZD Observatory	
5:39 PM	[90] Cosmic Ray Observations with the Square Kilometre Array	WATANABE, Keito
5:41 PM	[93] ALMOND: An LNGS Mobile Neutron Detector	
5:43 PM	[92] Germanium Detector Design: Towards a Tonne-Scale Neutrinoless Double-Beta Decay Experiment	
5:45 PM	[91] Liquid Argon Instrumentation for Background Suppression in the LEGEND-200 Experiment	
5:47 PM	[94] Underground Nuclear Astrophysics	
5:49 PM	[98] Magnetic microcalorimeters for future neutrino mass experiments and dark matter searches	
5:51 PM	[99] The background model of LEGEND-200	
5:53 PM	[100] Radio Detection of Cosmic Ray Air Showers with GRAND using an autonomous trigger	

5:55 PM	[95] Towards the LEGEND-1000 experiment: The search for Neutrinoless Double-Beta Decay in Ge at the tonne-scale	
5:57 PM	[96] Implications from 3-dimensional modeling of gamma-ray signatures in the Galactic Center	DÖRNER, Julien
5:59 PM	[97] Sensitivity studies for a next-generation neutrino-mass experiment using tritium β -decay	
6:01 PM	[101] Tau Appearance with KM3NeT/ORCA6	
6:03 PM	[102] A New Approach to Neutrino Detection and the Search for the Neutrinoless Double Beta Decay: Slow Scintillation Media and Hybrid Cherenkov/Scintillation Techniques	Mr BÖHLES, Manuel Mr LU, Meishu
6:05 PM	[103] Taking up open science for astroparticle physics in KM3NeT	SCHNABEL, Jutta
6:07 PM	[104] Large Language Models: New Opportunities for Access to Science	SCHNABEL, Jutta
6:09 PM	[105] New Gas Target Setup for Nuclear Astrophysics Experiments at the Felsenkeller Underground Laboratory	
6:11 PM	[106] KATRIN with TRISTAN detectors	
6:13 PM	[107] PUNCH4NFDI's Contributions to Collaborative Physics Research	TOKAREVA, Victoria
6:15 PM	[111] Low-background radioactivity counting with the most sensitive HPGe detector in Germany	
6:17 PM	[110] AugerPrime: Status and first results	SCHMIDT, David
6:19 PM	[108] Experimental characterization of an atomic hydrogen source	
6:21 PM	[109] Deployment of Water-based Liquid Scintillator in ANNIE	
6:23 PM	[112] KATRIN++ - Development of New Detector Technologies for Future Neutrino Mass Experiments with Tritium	KOVAC, Neven
6:25 PM	[113] MOTION, a liquid xenon time projection chamber platform for high voltage development in dark matter detectors	
6:27 PM	[120] The TRISTAN detector upgrade for the keV sterile neutrino search with KATRIN	DESCHER, Martin