Session Program

Nov 2 - 3, 2021



HIRSAP Workshop 2021
PhD talks

Tue, November 2

2:15 PM PhD talks: I Session | Location: Hybrid meeting online via zoom @KIT: bld 401, room 410 | Convener: Oliver Sander 14:15 - 14:30 Back-end Design of the Read-out System for Cryogenic Particle Detectors Luciano Ferreyro 14:30 - 14:45 Front-End Design of the Read-Out System for Micro-machined Sensors (tbc) Redondo Manuel Elias Garcia 14:45 - 15:00 Signal analysis on a μMux SQUID Speaker Juan Manuel Salum 3:00 PM 3:15 PM PhD talks: II Session | Location: Hybrid meeting online via zoom @KIT: bld 401, room 410 | Convener: Manuel Platino 15:15 - 15:30 Metallic Magnetic Calorimeters: Micromachined Absorbers for Cosmic Microwave **Background Radiation (tbc)** Speaker Juan José Bonaparte 15:30 - 15:45 A bolometric Receiver for the LLAMA-QUBIC project Speaker Juan Manuel Geria 15:45 - 16:00 Boosting Time Resolution of Pixel Sensors with SiGe BiCMOS Technology Speaker Alexander Elsenhans 4:00 PM 4:15 PM PhD talks: III Session | Location: Hybrid meeting online via zoom @KIT: bld 401, room 410 | Convener: Darko Veberic 16:15 - 16:30 Performance of the AugerPrime Surface Detector Speaker Alexander Streich 16:30 - 16:45 Exploiting the Trigger Information of the Pierre Auger Observatory Speaker Martin Schimassek 16:45 - 17:00 Hybrid Spectrum Studies: Fiducial Distance

Speaker

Kathrin Bismark

17:00 - 17:15 Studies for cross-calibration between Sd-SSd and Md

Speaker

Carmina Pérez Bertolli

17:15 - 17:30

Extension to lower energies of the cosmic-ray energy window at the Pierre Auger Observatory

Speaker

Gaia Silli

5:30 PM

Wed, November 3

2:00 PM

PhD talks: IV Session | Location: Hybrid meeting online via zoom @KIT: bld 401, room 410 | Convener: Federico Sanchez 14:00 - 14:15 Mass composition of the cosmic rays by using multi-hybrid data of the Pierre Auger Observatory (tbc) Speaker Marina Scornavacche 14:15 - 14:30 Estimation of the muon density and the muon lateral distribution function in **AMIGA** Speaker Flavia Gesualdi 14:30 - 14:45 Reconstruction of muon LDF using ADC and binary channels of UMD Speaker Varada Kizakke Covilakam 14:45 - 15:00 UMD characterization Speaker Joaquin de Jesus

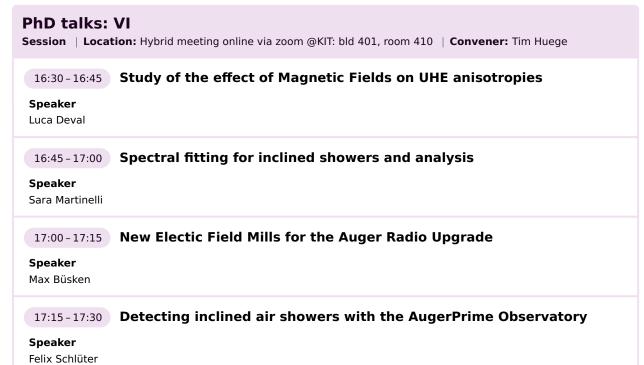
3:00 PM

3:15 PM

PhD talks: V Session | Location: Hybrid meeting online via zoom @KIT: bld 401, room 410 | Convener: Markus Roth 15:15 - 15:30 universality-v2, final chapters Speaker Max Stadelmaier 15:30 - 15:45 Estimating the Mass Composition of Ultra-high Energy Cosmic Rays using Deep-Learning based Predictions based on Data of the Surface Detector of the Pierre Auger Observatory (tbc) Speaker Steffen Hahn 15:45 - 16:00 Study of the Xmax-Nmu anticorrelation in search of physical properties of the first interactions (tbc) Speaker Isabel Goos 16:00 - 16:15 Cosmic rays arrival direction maps Speaker **Emily Martins**

4:15 PM

4:30 PM



5:30 PM