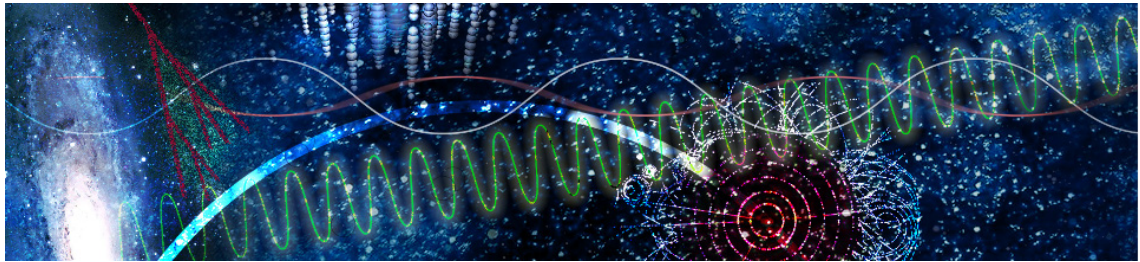


Session Program

Sep 14 - 15, 2023



MU days 2023

Topical Parallel Session

KIT Campus North, FTU
Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen

Thu, September 14

3:45 PM

Topical Parallel Session: Cosmology, Dark Matter, Axions

Session | **Location:** FTU, Room 236, Mittlerer Hörsaal | **Convener:** Kathrin Valerius

15:45 - 16:00 **Dark matter simplified models**

Speaker

Tomas Gonzalo

16:00 - 16:15 **First data-taking with ALPS II**

Speaker

Henry Frädrich

16:15 - 16:30 **NanoGrav & primordial black holes**

Speaker

Virgile Dandoy

16:30 - 16:45 **Axion Searches at Cooler Synchrotron COSY**

Speaker

Prof. Joerg Pretz

4:45 PM

3:45 PM

Topical Parallel Session: Neutrinos, Antimatter, Flavor

Session | **Location:** FTU, Aula | **Convener:** Yvonne Leifels

15:45 - 16:00 **Recent news on the $R(D^{(*)})$ anomaly**

Speakers

Monika Blanke, Monika Blanke

16:00 - 16:15 **Search for generalized neutrino interactions at KATRIN**

Speaker

Caroline Fengler

16:15 - 16:30

Solar neutrinos - CNO measurement by Borexino and sensitivity for JUNO

Speaker

Luca Pelicci

16:30 - 16:45 **Heavy-quark hadronization at LHC: status and future perspectives**

Speaker

Andrea Dubla

4:45 PM

4:45 PM

Topical Parallel Session: Computing, Machine Learning, Data Management, Sustainability

Session | **Location:** FTU, Aula | **Convener:** Andreas Haungs

16:45 - 17:00 **ML / AI: Helmholtz Platform**

Speaker

Judith Katzy

17:00 - 17:15 **Sustainability**

Speaker

Kollegger Thorsten

17:15 - 17:30

Examples for work on modern data management - PUNCH4NFDI use cases and workflows**Speaker**

Achim Geiser

17:30 - 17:45 **Computing: Use of federated infrastructures in MU**

Speaker

Manuel Giffels

5:45 PM

4:45 PM

Topical Parallel Session: Gravitational Waves, Nucleosynthesis, Multimessenger Astronomy

Session | **Location:** FTU, Room 236, Mittlerer Hörsaal | **Convener:** Tetyana Galatyuk

16:45 - 17:00

Decoding the EOS of neutron star-like matter via flow patterns of nuclear cluster emitted in HI collisions**Speaker**

Behruz Kardan

17:00 - 17:15 **Impact of pions on BNS mergers**

Speaker

Vimal Vijayan

17:15 - 17:30

Searching for the missing duo: coincident gravitational-waves and high-energy neutrinos**Speaker**

Doga Veske

17:30 - 17:45 **The Transient and Variable Gamma-ray Sky with CTA**

Speaker

Gernot Maier

5:45 PM