

Session Program

3-6 May 2022



JENAS 2022

Poster session - (no talks) Refreshments will be served

Madrid
Serrano 117

Wednesday 4 May

18:00

Poster session - (no talks) Refreshments will be served

Session | Location: Madrid, Serrano 117

18:00-18:05

THE DARK MATTER DATA CENTER: Fostering Data and Information Sharing for the Dark Matter Community

Speakers

Heerak Banerjee, Nahuel Ferreiro

18:05-18:10

Impact of operator interference on direct dark matter searches

Speaker

Anja Brenner

18:10-18:15

Impact of astrophysical uncertainties and non-galactic dark matter on direct dark matter searches

Speaker

Gonzalo Herrera

18:15-18:20

Constraints on light Dark Matter Models from Cosmic Ray Electron-DM scattering

Speaker

Divya Sachdeva

18:20-18:25

Cosmic Coincidences of Primordial-Black-Hole Dark Matter

Speaker

Yi-Peng Wu

18:25-18:30

Astrophysical probes of dark matter

Speaker

Gabriella Szabó

18:30-18:35

Experimental frontiers: dark matter complementarity and dark photon benchmarks

Speaker

Joshua Greaves

18:35-18:40

The Dark Matter Science Project in European Open Science Cloud (EOSC) Future

Speaker

Jared Little

18:40-18:45

Detector conception and momentum measurement optimization for multiple scattering muography

Speaker

Maxime Lagrange

18:45–18:50 Optimization of the LHCb calorimeter**Speaker**

Alexey Boldyrev

18:50–18:55 Optimization of energy measurements at muon colliders**Speaker**

Lukas Layer

18:55–19:00**Gravitational radiation from inspiralling compact objects: Spin effects to fourth Post-Newtonian order****Speaker**

Zixin Yang

19:00–19:05**Fundamental physics implications of LIGO-Virgo gravitational wave ringdown observations****Speaker**

Gregorio Carullo

19:05–19:10 How does a dark compact object ringdown?**Speaker**

Elisa Maggio

19:10–19:15**Lattice Calculations for Quark Transversity Distributions for the Nucleon****Speaker**

Lisa Walter

19:15–19:20 QCD Factorization of Exclusive Processes to probe GTMDs**Speaker**

Patricia Andrea Gutierrez Garcia

19:20–19:25 Towards precise collider predictions: the Parton Branching method**Speaker**

Aleksandra Anna Lelek

19:25–19:30 Parton Branching prediction for the HERA and LHC measurements**Speaker**

Sara Taheri Monfared

19:30–19:35**Hadron-hadron interaction studies at the LHC and the mystery of neutron stars****Speaker**

Laura Šerkšnytė

19:35–19:40**The dark side of ALICE: from antinuclei interactions to dark matter searches in space**

Speaker
Stephan Alexander Konigstorfer

19:40–19:45

The search for electric dipole moments of charged particles using storage rings

Speaker
Vera Shmakova

19:45–19:50 **Spin-Tracking simulations in an idealized COSY model using Bmad**

Speaker
Max Vitz

19:50–19:55 **Simulations of Beam Dynamics of Prototype EDM Storage Ring**

Speaker
Saad Siddique

19:55–20:00

Optimization of Spin Coherence Time for Electric Dipole Moment measurements in a Storage Ring

Speaker
Rahul Shankar

20:05