

## **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