Session Program

24 October 2022

EOSC-Future ESCAPE Science Projects: progress meeting before the ESCAPE event

Presentations from TSP members

Brussels
CNRS House Maison Irène et Frédéric Joliot-Curie Rue du Trône 100, Ixelles, Belgique

Monday 24 October

14:15

Presentations from TSP members: VRE presentations
Session |
Location: Brussels, CNRS House Maison Irène et Frédéric Joliot-Curie Rue du Trône 100, Ixelles, Belgique |
Conveners: Elena Gazzarrini, Enrique GARCIA GARCIA

14:45

14:15–14:30   **VRE and Data Lake as a Service: introduction, status and progress**

Speakers

Alba Vendrell Moya, Elena Gazzarrini, Enrique GARCIA GARCIA

14:45

Presentations from TSP members: Dark Matter Science Project
Session |
Location: Brussels, CNRS House Maison Irène et Frédéric Joliot-Curie Rue du Trône 100, Ixelles, Belgique |
Conveners: Caterina Doglioni, Lukas Alexander Heinrich, Francesca Calore

14:45–14:55   **General updates on Dark Matter Science Project**

Speakers

Caterina Doglioni, Francesca Calore, Lukas Alexander Heinrich

14:55–14:56   **KM3NeT (Dark Matter) - will be presented in the EU TSP**

Speakers

Mikhail Smirnov, Mikhail Smirnov

14:56–15:11   **Direct dark matter search with DARKSIDE**

Speaker

Dr Valerio Ippolito

15:11–15:26   **Indirect dark matter search with gamma rays via open-science tools**

Speaker

Pooja BHATTACHARJEE

15:26–15:41   **Dark matter search with ATLAS**

Speaker

Jared Little

15:41–15:56

Integrating ML algorithms for LHC data compression into the ESCAPE Virtual Research Environment

Speakers

Axel Lars Gallen, Maxym Nauchyk, Per Alexander Ekman

15:56–16:11   **General discussion**

16:45

17:00

Presentations from TSP members: Extreme Universe Science Project
Session |
Location: Brussels, CNRS House Maison Irène et Frédéric Joliot-Curie Rue du Trône 100, Ixelles, Belgique |
Convener: Elena Cuoco

17:00–17:15   **Updates of Extreme Universe Science Project**

Speaker

Elena Cuoco

17:15–17:30

Machine learning for detection of dark matter spike around black holes through gravitational waves

Speaker

Alessandro Parisi

17:30–17:45　**KM3NeT (DM & Extreme Universe)**

Speaker

Mikhail Smirnov

17:45–18:00　**Compact objects: a multi-wavelength search cloud platform**

Speaker

Dany Vohl

18:00–18:15　**Progress report: Wavefier for multi-messenger astronomy**

Speaker

Alberto Iess

18:15–18:30　**General discussion**

18:30