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

Report of Contributions

Contribution ID: **1**　　　　　　　　　　　　　　　　　Type: **not specified**

Introduction

Monday 24 October 2022 14:00 (5 minutes)

Presenter: LAMANNA, Giovanni (Centre National de la Recherche Scientifique (FR))

Session Classification: Introduction and conclusions

Contribution ID: **2**   Type: **not specified**

EOSC-Future: WG6

Presenters: BIRD, Ian; BIRD, Ian

Session Classification: Introduction and conclusions

Contribution ID: **3** Type: **not specified**

VRE and Data Lake as a Service: introduction, status and progress

Monday 24 October 2022 14:15 (15 minutes)

Presenters: VENDRELL MOYA, Alba (CERN); GAZZARRINI, Elena (CERN); GARCIA GARCIA, Enrique

Session Classification: Presentations from TSP members

Contribution ID: 4   Type: **not specified**

General updates on Dark Matter Science Project

Monday 24 October 2022 14:45 (10 minutes)

Presenters: DOGLIONI, Caterina (University of Manchester (GB)); CALORE, Francesca (LAPTh, CNRS); HEINRICH, Lukas Alexander (Max Planck Society (DE))

Session Classification: Presentations from TSP members

Contribution ID: **5**   Type: **not specified**

KM3NeT (Dark Matter) - will be presented in the EU TSP

Monday 24 October 2022 14:55 (1 minute)

Presenters: SMIRNOV, Mikhail; SMIRNOV, Mikhail

Session Classification: Presentations from TSP members

Contribution ID: **6** Type: **not specified**

Indirect dark matter search with gamma rays via open-science tools

Monday 24 October 2022 15:11 (15 minutes)

Presenter: BHATTACHARJEE, Pooja

Session Classification: Presentations from TSP members

Contribution ID: 7 Type: **not specified**

Dark matter from dark photons: from Snowmass to the EOSC

Presenter: Mr BERKAT, Mohamed

Session Classification: Presentations from TSP members

Contribution ID: **8**   Type: **not specified**

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

Monday 24 October 2022 15:41 (15 minutes)

Presenters: GALLEN, Axel Lars (Lund University (SE)); NAUCHYK, Maxym (Igor Sikorsky Kyiv Polytechnic Institute IRIS-HEP Fellow); EKMAN, Per Alexander (Lund University (SE))

Session Classification: Presentations from TSP members

Contribution ID: **9** Type: **not specified**

General discussion

Monday 24 October 2022 15:56 (15 minutes)

Session Classification: Presentations from TSP members

Contribution ID: **10**   Type: **not specified**

Updates of Extreme Universe Science Project

Monday 24 October 2022 17:00 (15 minutes)

Presenter: CUOCO, Elena

Session Classification: Presentations from TSP members

Contribution ID: **11**   Type: **not specified**

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

Monday 24 October 2022 17:15 (15 minutes)

Presenter: PARISI, Alessandro (Unesp University)

Session Classification: Presentations from TSP members

Contribution ID: **12** Type: **not specified**

Broad-band SED fitting of blazars

Presenter: PONS, Estelle (LAPP)

Session Classification: Presentations from TSP members

Contribution ID: **13** Type: **not specified**

Progress report: Wavefier for multi-messenger astronomy

Monday 24 October 2022 18:00 (15 minutes)

Presenter: IESS, Alberto

Session Classification: Presentations from TSP members

Contribution ID: **14**
Type: **not specified**

KM3NeT (DM & Extreme Universe)

Monday 24 October 2022 17:30 (15 minutes)

Presenter: SMIRNOV, Mikhail

Session Classification: Presentations from TSP members

Contribution ID: **15**
Type: **not specified**

General discussion

Monday 24 October 2022 18:15 (15 minutes)

Session Classification: Presentations from TSP members

Contribution ID: **16** Type: **not specified**

REANA

Presenter: SIMKO, Tibor (CERN)

Session Classification: Hands-on sessions

Contribution ID: **17** Type: **not specified**

The Dark Matter Data Center in the Origins Cluster

https://www.origins-cluster.de/odsl/dark-matter-data-center

Presenter: Mr BANERJEE, Heerak (Technical University of Munich)

Session Classification: Invited talks

Contribution ID: **18**   Type: **not specified**

HEP Software Foundation Analysis Facilities Forum

Presenter: Dr SKIDMORE, Nicole (University of Manchester)

Session Classification: Invited talks

Contribution ID: **19** Type: **not specified**

FAIR4HEP: Findable, Accessible, Interoperable, and Reusable Frameworks for Physics-Inspired Artificial Intelligence in High Energy Physics

Presenter: ROY, Avik (University of Illinois at Urbana-Champaign)

Session Classification: Invited talks

Contribution ID: **20**   Type: **not specified**

CERN analysis preservation

Presenter: DALLMEIER-TIESSEN, Sunje (CERN)

Session Classification: Invited talks

Contribution ID: **21**   Type: **not specified**

BNL research environment infrastructure

Presenter: BENJAMIN, Doug (Brookhaven National Laboratory (US))

Session Classification: Invited talks

Contribution ID: **22**   Type: **not specified**

Study of angular correlation signatures induced on GW stochastic background by lensing effects

Presenter: CELLA, Giancarlo (INFN - National Institute for Nuclear Physics)

Session Classification: Presentations from TSP members

Contribution ID: **23** Type: **not specified**

Compact objects: a multi-wavelength search cloud platform

Monday 24 October 2022 17:45 (15 minutes)

Presenter: VOHL, Dany

Session Classification: Presentations from TSP members

Contribution ID: 24　　　　　　　　　　　　　　　　　　　Type: **not specified**

Direct dark matter search with DARKSIDE

Monday 24 October 2022 14:56 (15 minutes)

Presenter: Dr IPPOLITO, Valerio (INFN Sezione di Roma (IT))

Session Classification: Presentations from TSP members

Contribution ID: **25**
Type: **not specified**

Dark matter search with ATLAS

Monday 24 October 2022 15:26 (15 minutes)

Presenter: LITTLE, Jared (Centre National de la Recherche Scientifique (FR))

Session Classification: Presentations from TSP members