

EOSC-Future ESCAPE Science Projects progress meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Thursday, 21 July 2022 09:30 (15 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

Thursday, 21 July 2022 09:45 (20 minutes)

Presenters: BIRD, Ian (CNRS); BIRD, Ian

Session Classification: Introduction and conclusions

Contribution ID: 3

Type: **not specified**

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

Thursday, 21 July 2022 10:05 (20 minutes)

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

Session Classification: Presentations from TSP members

Contribution ID: 4

Type: **not specified**

Brief summary of Dark Matter Science Project

Thursday, 21 July 2022 10:45 (15 minutes)

Presenters: DOGLIONI, Caterina (University of Manchester (GB)); CALORE, Francesca (LAPTh, CNRS); HEINRICH, Lukas Alexander (CERN)

Session Classification: Presentations from TSP members

Contribution ID: 5

Type: **not specified**

KM3NeT (Dark Matter) - will be presented in the afternoon

Thursday, 21 July 2022 11:00 (25 minutes)

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

Thursday, 21 July 2022 11:25 (25 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

Thursday, 21 July 2022 11:50 (10 minutes)

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

Thursday, 21 July 2022 12:00 (10 minutes)

Presenter: NAUCHYK, Maxym (Igor Sikorsky Kyiv Polytechnic Institute IRIS-HEP Fellow)

Session Classification: Presentations from TSP members

Contribution ID: 9

Type: **not specified**

General discussion

Thursday, 21 July 2022 12:10 (20 minutes)

Session Classification: Presentations from TSP members

Contribution ID: **10**

Type: **not specified**

Brief summary of Extreme Universe Science Projec

Thursday, 21 July 2022 13:30 (10 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

Thursday, 21 July 2022 13:40 (20 minutes)

Presenter: PARISI, Alessandro (Unesp University)

Session Classification: Presentations from TSP members

Contribution ID: 12

Type: **not specified**

Broad-band SED fitting of blazars

Thursday, 21 July 2022 14:00 (20 minutes)

Presenter: PONS, Estelle (LAPP)

Session Classification: Presentations from TSP members

Contribution ID: 13

Type: **not specified**

Progress report: Wavefier for multi-messenger astronomy

Thursday, 21 July 2022 14:20 (20 minutes)

Presenter: IESS, Alberto

Session Classification: Presentations from TSP members

Contribution ID: 14

Type: **not specified**

KM3NeT (Extreme Universe)

Thursday, 21 July 2022 15:20 (15 minutes)

Presenter: SMIRNOV, Mikhail

Session Classification: Presentations from TSP members

Contribution ID: 15

Type: **not specified**

General discussion

Thursday, 21 July 2022 15:50 (40 minutes)

Session Classification: Presentations from TSP members

Contribution ID: **16**

Type: **not specified**

REANA

Friday, 22 July 2022 10:30 (1 hour)

Presenter: SIMKO, Tibor (CERN)

Session Classification: Hands-on sessions

Contribution ID: 17

Type: **not specified**

The Dark Matter Data Center in the Origins Cluster

Friday, 22 July 2022 13:00 (30 minutes)

<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

Friday, 22 July 2022 13:30 (30 minutes)

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

Friday, 22 July 2022 14:00 (30 minutes)

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

Session Classification: Invited talks

Contribution ID: 20

Type: **not specified**

CERN analysis preservation

Friday, 22 July 2022 14:30 (30 minutes)

Presenter: DALLMEIER-TIESEN, Sunje (CERN)

Session Classification: Invited talks

Contribution ID: 21

Type: **not specified**

BNL research environment infrastructure

Friday, 22 July 2022 15:00 (30 minutes)

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

Thursday, 21 July 2022 14:40 (15 minutes)

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

Thursday, 21 July 2022 15:35 (15 minutes)

Presenter: VOHL, Dany

Session Classification: Presentations from TSP members