

Lectures & tutorials week

Report of Contributions

Contribution ID: 2

Type: **not specified**

Introduction to C++

Monday, 5 July 2021 14:00 (3 hours)

Zoom session:

<https://videoconf-colibri.zoom.us/j/85844479104?pwd=b0p2RFhpU2h2TmI3a0ZDb2NIMXVkdz09>

(Password: 219948)

Presenters: LINDOTE, Alexandre (LIP); CARVALHO, Ana Luisa (LIP); SARMENTO, Raul (LIP)

Session Classification: Tutorials

Contribution ID: 3

Type: **not specified**

ROOT basics

Monday, 5 July 2021 14:00 (3 hours)

Presenters: PEREIRA, Guilherme (LIP); COELHO, Luis; BARRUÉ, Ricardo (LIP)

Session Classification: Tutorials

Contribution ID: 4

Type: **not specified**

Introduction to Particle Physics

Monday, 5 July 2021 09:30 (1h 15m)

Presenter: PIMENTA, Mário (LIP)

Session Classification: Lectures

Contribution ID: 5

Type: **not specified**

Instructions for the week

Monday, 5 July 2021 12:00 (10 minutes)

Presenter: LINDOTE, Alexandre (LIP)

Session Classification: Tutorial chats

Contribution ID: 6

Type: **not specified**

Particle detectors

Monday, 5 July 2021 11:15 (40 minutes)

Presenter: GOMES, Agostinho (LIP)

Session Classification: Lectures

Contribution ID: 8

Type: **not specified**

Introduction to LHC physics

Tuesday, 6 July 2021 09:40 (40 minutes)

Presenter: GALLINARO, Michele (LIP)

Session Classification: Lectures

Contribution ID: 9

Type: **not specified**

Higgs and beyond the Standard Model searches at the LHC

Tuesday, 6 July 2021 10:20 (40 minutes)

Presenter: PEIXOTO, Ana (LIP)

Session Classification: Lectures

Contribution ID: **10**

Type: **not specified**

Detector and physics simulations

Thursday, 8 July 2021 09:40 (40 minutes)

Presenter: TOMÉ, Bernardo (LIP)

Session Classification: Lectures

Contribution ID: 13

Type: **not specified**

Science Communication tutorial

Tuesday, 6 July 2021 14:00 (3 hours)

Presenter: ESPIRITO SANTO, Catarina (LIP)

Session Classification: Tutorials

Contribution ID: 14

Type: **not specified**

ROOT basics

Tuesday, 6 July 2021 14:00 (3 hours)

Repetition for those who could not attend the 1st day

Presenters: LINDOTE, Alexandre (LIP); PEREIRA, Guilherme (LIP); COELHO, Luis; BARRUÉ, Ricardo (LIP)

Session Classification: Tutorials

Contribution ID: 15

Type: **not specified**

Astroparticles

Wednesday, 7 July 2021 09:40 (40 minutes)

Presenter: CONCEIÇÃO, Rúben (LIP)

Session Classification: Lectures

Contribution ID: 16

Type: **not specified**

Dark matter and rare event searches

Wednesday, 7 July 2021 10:20 (40 minutes)

Presenter: BRAZ, Paulo (LIP)

Session Classification: Lectures

Contribution ID: 17

Type: **not specified**

Radiation environment in space

Wednesday, 7 July 2021 11:15 (40 minutes)

Presenter: GONÇALVES, Patricia (LIP)

Session Classification: Lectures

Contribution ID: 21

Type: **not specified**

ROOT intermediate

Wednesday, 7 July 2021 14:00 (3 hours)

Presenters: LINDOTE, Alexandre (LIP); CARVALHO, Ana Luisa (LIP); SARMENTO, Raul (LIP)

Session Classification: Tutorials

Contribution ID: 22

Type: **not specified**

Neutrinos hands-on

Wednesday, 7 July 2021 14:00 (3 hours)

Presenters: INÁCIO, Ana Sofia (LIP); BARROS, Nuno (LIP); LOZZA, Valentina (LIP)

Session Classification: Tutorials

Contribution ID: 23

Type: **not specified**

Particles and health

Thursday, 8 July 2021 11:15 (40 minutes)

Presenter: CRESPO, Paulo (LIP)

Session Classification: Lectures

Contribution ID: 24

Type: **not specified**

Machine learning in particle physics

Thursday, 8 July 2021 10:20 (40 minutes)

Presenter: CRISPIM ROMAO, Miguel (LIP)

Session Classification: Lectures

Contribution ID: 27

Type: **not specified**

LHC open data

Thursday, 8 July 2021 14:00 (1 hour)

Presenters: CONDE MUÍÑO, Patricia (LIP); PEDRO, Rute (LIP)

Session Classification: Tutorials

Contribution ID: 28

Type: **not specified**

Data analysis & fitting with ROOT

Thursday, 8 July 2021 15:00 (2 hours)

Presenters: BOLETTI, Alessio (LIP, Lisboa (PT)); CARVALHO, Ana Luisa (LIP); FARIA, Maria; LEONARDO, Nuno (LIP)

Session Classification: Tutorials

Contribution ID: 29

Type: **not specified**

The internal structure of the particles

Friday, 9 July 2021 10:20 (40 minutes)

Presenter: QUARESMA, Marcia (LIP)

Session Classification: Lectures

Contribution ID: **30**

Type: **not specified**

QCD & heavy ion physics

Friday, 9 July 2021 11:15 (40 minutes)

Presenter: APOLINÁRIO, Liliana (LIP)

Session Classification: Lectures

Contribution ID: **31**

Type: **not specified**

Machine learning

Friday, 9 July 2021 14:00 (3 hours)

Presenters: NEIVA, Céu (LIP); BARROS, Maura; CRISPIM ROMAO, Miguel (LIP); BRAZ, Paulo (LIP); PEDRO, Rute (LIP)

Session Classification: Tutorials

Contribution ID: **34**

Type: **not specified**

Social physics

Tuesday, 6 July 2021 11:15 (40 minutes)

Presenter: Dr PERFEITO, Lilia (LIP)

Session Classification: Lectures