

Lectures & tutorials

Report of Contributions

Contribution ID: 2

Type: **not specified**

Introduction to C++

Monday, 11 July 2022 14:00 (3 hours)

Zoom:

<https://videoconf-colibri.zoom.us/j/88992877746?pwd=OWlrenQxRUVQU2NIZE83bGh5Y08yQT09>

Presenters: LINDOTE, Alexandre (LIP); TORCATO, André (LIP); FERNANDES, Nuno; SALTÃO, Sandro (LIP-COimbra)

Session Classification: Tutorials

Contribution ID: 3

Type: **not specified**

ROOT basics

Monday, 11 July 2022 14:00 (3 hours)

Zoom: main link at the top of the page

Presenters: ALCASO, Fátima (LIP-Coimbra); DUARTE, Magda; BARRUÉ, Ricardo (LIP)

Session Classification: Tutorials

Contribution ID: 4

Type: **not specified**

Introduction to Particle Physics

Monday, 11 July 2022 09:30 (1h 15m)

Presenter: PIMENTA, Mário (LIP)

Session Classification: Lectures

Contribution ID: 5

Type: **not specified**

Instructions for the week

Monday, 11 July 2022 12:00 (10 minutes)

Presenter: ANDRINGA, Sofia (LIP)

Session Classification: Misc

Contribution ID: 6

Type: **not specified**

Particle detectors

Monday, 11 July 2022 11:15 (40 minutes)

Presenter: BLANCO, Alberto (LIP)

Session Classification: Lectures

Contribution ID: 8

Type: **not specified**

Introduction to LHC physics

Tuesday, 12 July 2022 09:40 (40 minutes)

Presenter: LEONARDO, Nuno (LIP)

Session Classification: Lectures

Contribution ID: 9

Type: **not specified**

Astroparticles

Tuesday, 12 July 2022 10:20 (40 minutes)

Presenter: SARMENTO, Raul (LIP)

Session Classification: Lectures

Contribution ID: **10**

Type: **not specified**

Detector and physics simulations

Thursday, 14 July 2022 09:40 (40 minutes)

Presenter: TEUBIG, Pamela (LIP)

Session Classification: Lectures

Contribution ID: 13

Type: **not specified**

Science Communication tutorial

Tuesday, 12 July 2022 14:00 (3 hours)

Zoom:

<https://videoconf-colibri.zoom.us/j/88992877746?pwd=OWlrenQxRUVQU2NIZE83bGh5Y08yQT09>

Presenter: ESPIRITO SANTO, Catarina (LIP)

Session Classification: Tutorials

Contribution ID: 14

Type: **not specified**

ROOT basics

Tuesday, 12 July 2022 14:00 (3 hours)

Repetition for those who did not attend the 1st day

Zoom: main link at the top of the page

Presenters: PINHEIRO PEREIRA, Beatriz; ALCASO, Fátima (LIP-Coimbra); BARRUÉ, Ricardo (LIP)

Session Classification: Tutorials

Contribution ID: 15

Type: **not specified**

Probing the Standard Model and Beyond at the LHC

Friday, 15 July 2022 10:20 (40 minutes)

Presenter: CASTRO, Nuno (LIP and University of Minho)

Session Classification: Lectures

Contribution ID: **16**

Type: **not specified**

Dark Matter

Wednesday, 13 July 2022 10:20 (40 minutes)

Presenter: BRÁS, Paulo (LIP)

Session Classification: Lectures

Contribution ID: 17

Type: **not specified**

Neutrinos

Wednesday, 13 July 2022 11:15 (40 minutes)

Presenter: INÁCIO, Ana Sofia (LIP)

Session Classification: Lectures

Contribution ID: 21

Type: **not specified**

ROOT intermediate

Wednesday, 13 July 2022 14:00 (3 hours)

Zoom: Main Zoom at the top of the page

Presenters: PINHEIRO PEREIRA, Beatriz; COELHO, Luis; DUARTE, Magda

Session Classification: Tutorials

Contribution ID: 22

Type: **not specified**

Python Tools in High Energy Physics

Wednesday, 13 July 2022 14:00 (3 hours)

Zoom:

<https://videoconf-colibri.zoom.us/j/88992877746?pwd=OWlrenQxRUVQU2NIZE83bGh5Y08yQT09>

Presenters: BARROS, Maura; PEDRO, Rute (LIP)

Session Classification: Tutorials

Contribution ID: 23

Type: **not specified**

Particles and health

Thursday, 14 July 2022 11:15 (40 minutes)

Presenter: CRESPO, Paulo (LIP)

Session Classification: Lectures

Contribution ID: 24

Type: **not specified**

Machine learning in particle physics

Thursday, 14 July 2022 10:20 (40 minutes)

Presenter: CRISPIM ROMAO, Miguel (LIP)

Session Classification: Lectures

Contribution ID: 27

Type: **not specified**

LHC open data

Thursday, 14 July 2022 14:00 (1 hour)

Zoom:

<https://videoconf-colibri.zoom.us/j/88992877746?pwd=OWlrenQxRUVQU2NIZE83bGh5Y08yQT09>

Presenters: MENDES SARAIVA, Joao Gentil (LIP); STOLARSKI, Marcin (LIP)

Session Classification: Tutorials

Contribution ID: 28

Type: **not specified**

Data analysis & fitting with ROOT

Thursday, 14 July 2022 15:00 (2 hours)

Starting at 15h20 at the main Zoom link at the top of the page

Zoom: main link at the top of the page

Presenters: SOARES, Guilherme (Universidade de Lisboa, IST (PT)); LEONARDO, Nuno (LIP)

Session Classification: Tutorials

Contribution ID: 29

Type: **not specified**

The internal structure of the particles

Friday, 15 July 2022 09:40 (40 minutes)

Presenter: PEÑA, Teresa (IST, LIP)

Session Classification: Lectures

Contribution ID: **30**

Type: **not specified**

QCD & heavy ion physics

Wednesday, 13 July 2022 09:40 (40 minutes)

Presenter: APOLINÁRIO, Liliana (LIP)

Session Classification: Lectures

Contribution ID: **31**

Type: **not specified**

Machine learning

Friday, 15 July 2022 14:00 (3 hours)

Zoom: main link at the top of the page

Presenters: NEIVA, Céu; CRISPIM ROMAO, Miguel (LIP)

Session Classification: Tutorials

Contribution ID: 34

Type: **not specified**

Social physics

Tuesday, 12 July 2022 11:15 (40 minutes)

Presenter: GONÇALVES SÁ, Joana

Session Classification: Lectures

Contribution ID: 35

Type: **not specified**

Radiation environment in space

Friday, 15 July 2022 11:15 (30 minutes)

Presenter: ARRUDA, Luísa (LIP)

Session Classification: Lectures

Contribution ID: **36**

Type: **not specified**

Laboratory visit

Wednesday, 13 July 2022 12:00 (30 minutes)

LIP Lisbon - LOMaC

Session Classification: Misc

Contribution ID: 37

Type: **not specified**

Laboratory visit

Thursday, 14 July 2022 12:00 (30 minutes)

LIP Lisbon - eCRLab

Session Classification: Misc