

Tópicos de Física de Partículas e Astropartículas I 24/25

Report of Contributions

Contribution ID: 1

Type: **not specified**

A portrait of the Higgs boson by the CMS experiment ten years after the discovery

Monday 20 January 2025 14:30 (30 minutes)

Presenter: CRISTINA, Catarina

Contribution ID: 2

Type: **not specified**

First indication of solar 8B neutrinos via coherent elastic neutrino-nucleus scattering with XENONnT

Monday 20 January 2025 15:00 (30 minutes)

Presenter: FERREIRA, Rodrigo

Contribution ID: 3

Type: **not specified**

Combination of measurements of the "top quark mass from data collected by the ATLAS and CMS experiments at $\sqrt{s} = 7$ and 8 TeV

Monday 20 January 2025 15:30 (30 minutes)

Presenter: BELAS, João

Contribution ID: 4

Type: **not specified**

A special Higgs challenge: measuring the mass and production cross section with ultimate precision at FCC-ee

Monday 20 January 2025 16:00 (30 minutes)

Presenter: CORREIA, Duarte

Contribution ID: 5

Type: **not specified**

A detailed map of Higgs boson interactions by the ATLAS experiment ten years after the discovery

Monday 20 January 2025 16:30 (30 minutes)

Presenter: RODRIGUES, Margarida

Contribution ID: 6

Type: **not specified**

Evidence for quark-matter cores in massive neutron stars

Monday 20 January 2025 17:00 (30 minutes)

Presenter: VIEIRA, Rita

Contribution ID: 7

Type: **not specified**

Evidence of Antineutrinos from Distant Reactors using Pure Water at SNO+

Monday 20 January 2025 17:30 (30 minutes)

Presenter: RODRIGUES, André

Contribution ID: 8

Type: **not specified**

Dark Matter Search Results from 4.2 Tonne-Years of Exposure of the LUX-ZEPLIN (LZ) Experiment

Monday 20 January 2025 18:00 (30 minutes)

Presenter: PARREIRA, Miguel

Contribution ID: 9

Type: **not specified**

New constraints on ultraheavy dark matter from the LZ experiment

Tuesday 21 January 2025 10:00 (30 minutes)

Presenter: MATOS, João

Contribution ID: 10

Type: **not specified**

**Search for photons above 10^{18} eV by
simultaneously measuring the atmospheric depth
and the muon content of air showers at the Pierre
Auger Observatory**

Tuesday 21 January 2025 10:30 (30 minutes)

Presenter: NEVES, Guilherme

Contribution ID: 11

Type: **not specified**

Stringent Tests of Lorentz Invariance Violation from LHAASO Observations of GRB 221009A

Tuesday 21 January 2025 11:00 (30 minutes)

Presenter: SANTOS, João

Contribution ID: 12

Type: **not specified**

Measurement of attenuation length of the muon content in extensive air showers from 0.3 to 30 PeV with LHAASO

Tuesday 21 January 2025 11:30 (30 minutes)

Presenter: MARTINS, Gonçalo