

Session Program

24-28 Oct 2022



European Nuclear Physics Conference 2022 (EuNPC 2022)

P8 Nuclear Physics Applications

University of Santiago de Compostela, Facultad de Ciencias de la Comunicación
Campus Norte, Av. de Castelao, s/n, 15782 Santiago de Compostela, Spain

Wednesday 26 October

15:45

P8 Nuclear Physics Applications

Session |

Location: University of Santiago de Compostela, Classroom 3, Facultad de Ciencias de la Comunicación, Campus Norte, Av. de Castelao, s/n, 15782 Santiago de Compostela, Spain

15:45-16:05

Studies of radio-isotope production relevant for medical imaging using laser-driven ion beams

Speaker

Aaron Alejo Alonso

16:05-16:25

Radiobiology experiments with laser-induced radiation sources: exploring the UHDR regime

Speaker

Alicia Reija

16:25-16:45

First steps towards on-the-fly dose reconstruction from in-beam PET activation

Speaker

Ms ANDREA ESPINOSA RODRÍGUEZ

16:45-17:05

Experimental tests of the scanner prototype for imaging with protons developed at IEM-CSIC

Speaker

AMANDA NATHALI NERIO AGUIRRE

17:15

17:30

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17:30-18:05

Non-conventional applications of Accelerator Mass Spectrometry systems at CNA

Speaker

Rafael Garcia-Tenorio

18:05-18:25

Prompt-gamma measurements of ¹⁸O as contrast agent for proton range verification

Speaker

VICTOR VALLADOLID ONECHA

18:25-18:45

New nuclear data for online and offline PET monitoring in proton therapy

Speaker

Teresa Rodríguez González

19:15

Thursday 27 October

15:00

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15:00–15:20

Radiotracers for the study of Marine and Oceanic Ecosystems (Radiotrazadores para el estudio de Ecosistemas Marinos y Oceánicos: REMO)

Speaker

Prof. Berta Rubio

15:20–15:40

Fast neutron-induced reaction measurements with a laser-driven neutron source

Speaker

Maria Angeles Millan Callado

15:40–16:00

Beta decay studies for the calculations of the antineutrino spectrum from reactors and applications

Speaker

Dr Alejandro Algora

16:00–16:20

Neutron spectrometry with HENSA in underground facilities and neutrons induced by cosmic-rays

Speaker

Mr Nil Mont-Geli

16:20–16:40

Nuclear fragmentation cross section measurements with the FOOT experiment

Speaker

Riccardo Ridolfi

16:45

17:00

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17:00–17:35

Time-of-flight methods in ion beam analysis

Speaker

Dr Marko Brajković

17:35–17:55

Analysis of semiconductor detectors using MeV ion beams

Speaker

Prof. Javier Garcia-Lopez

18:30