

## **Session Program**

**24-28 Oct 2022**



# **European Nuclear Physics Conference 2022 (EuNPC 2022)**

## ***P9 Few-Body Systems***

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

# Tuesday 25 October

15:00

## P9 Few-Body Systems

**Session** |

**Location:** University of Santiago de Compostela, Classroom 6, Facultad de Ciencias de la Comunicación, Campus Norte, Av. de Castelao, s/n, 15782 Santiago de Compostela, Spain

15:00–15:35

**Impact of core excitations in break-up reactions with halo nuclei****Speaker**

José Antonio Lay Valera

15:35–15:55

**Dineutron correlations in knockout reactions with Borromean halo nuclei****Speaker**

Jesús Casal

15:55–16:15

**INVESTIGATION OF THE 7,6H STATES IN 8He+d INTERACTION****Speaker**

Ivan Muzalevskii

16:15–16:35

**Differential Cross Section for Proton Induced Deuteron Breakup at 108 MeV****Speaker**

Ms Angelina Łobejko

16:45

## Thursday 27 October

15:00

### P9 Few-Body Systems

**Session** |

**Location:** University of Santiago de Compostela, Classroom 6, Facultad de Ciencias de la Comunicación, Campus Norte, Av. de Castelao, s/n, 15782 Santiago de Compostela, Spain

15:00–15:35

#### Few Body Reactions with the Trojan Horse Method

**Speaker**

Giuseppe Gabriele Rapisarda

15:35–15:55

#### Extending the Hoyle-state paradigm to $^{12}\text{C} + ^{12}\text{C}$ fusion

**Speaker**

David Gareth Jenkins

15:55–16:15

#### The role of deformation in the $^{17}\text{C}$ structure and its influence in transfer and breakup reactions

**Speaker**

Pedro Punta

16:15–16:35

#### Study of light hypernuclei in Europe: the hypertriton and $nn\Lambda$ puzzles

**Speaker**

Christophe Rappold

16:45

17:00

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17:00–17:20

#### Scattering of $^{15}\text{C}$ on $^{208}\text{Pb}$ at energies near the Coulomb barrier

**Speaker**

Vicente Garcia Tavora

17:20–17:40

#### R-Matrix study of the beta decay of $^8\text{B}$ to the highly excited states of $^8\text{Be}$

**Speaker**

Daniel Fernandez Ruiz

17:40–18:00

#### Low-lying structure of $^{15}\text{C}$ : information on the $N=8$ shell gap

**Speaker**

Juan Lois

18:00–18:20

#### Study of $^{20}\text{Ne}$ spectroscopy from new experiments on $^{19}\text{F}(p,\alpha)^{20}\text{Ne}$ and A New Phenomenological Model for the description of Heavy-Ion Fusion Cross Sections

**Speaker**

Ivano Lombardo

18:30