

Nuclear Physics Mid Term Plan in Italy - LNL Session

Report of Contributions

Contribution ID: 2

Type: **not specified**

Nuclear cross section measurements and modelling for direct radionuclide production and neutron beam lines at SPES

Monday, 11 April 2022 14:50 (40 minutes)

Presenter: MOU, Liliana (Istituto Nazionale di Fisica Nucleare)

Session Classification: WG2 - Applications

Contribution ID: 3

Type: **not specified**

ISOL and laser applications at the SPES facility

Monday, 11 April 2022 15:30 (40 minutes)

Presenter: BALLAN, Michele (Istituto Nazionale di Fisica Nucleare)

Session Classification: WG2 - Applications

Contribution ID: 4

Type: **not specified**

Development, characterization and modifications of materials for applied nuclear physics

Monday, 11 April 2022 16:10 (40 minutes)

Presenter: CAMPOSTRINI, Matteo (Istituto Nazionale di Fisica Nucleare)

Session Classification: WG2 - Applications

Contribution ID: 5

Type: **not specified**

Light to medium-mass exotic nuclei

Tuesday, 12 April 2022 09:00 (40 minutes)

Presenter: BOTTONI, Simone (Università degli Studi di Milano and INFN)

Session Classification: WG3 - Nuclear Structure

Contribution ID: 6

Type: **not specified**

N~Z nuclei and isospin symmetry

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

Presenter: LENZI, Silvia Monica (Istituto Nazionale di Fisica Nucleare)

Session Classification: WG3 - Nuclear Structure

Contribution ID: 7

Type: **not specified**

Shell evolution

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

Presenter: GOTTARDO, Andrea (Istituto Nazionale di Fisica Nucleare)

Session Classification: WG3 - Nuclear Structure

Contribution ID: 8

Type: **not specified**

Deformation and collective states

Tuesday, 12 April 2022 11:20 (40 minutes)

Presenter: CRESPI, Fabio Celso Luigi (Istituto Nazionale di Fisica Nucleare)

Session Classification: WG3 - Nuclear Structure

Contribution ID: 9

Type: **not specified**

Summary

Tuesday, 12 April 2022 12:00 (30 minutes)

Presenter: MENGONI, Daniele (Istituto Nazionale di Fisica Nucleare)

Session Classification: WG3 - Nuclear Structure

Contribution ID: **10**

Type: **not specified**

Nucleosynthesis up to the iron peak

Monday, 11 April 2022 11:50 (40 minutes)

Presenter: CACIOLLI, Antonio (Istituto Nazionale di Fisica Nucleare)

Session Classification: WG1 - Nuclear Astrophysics

Contribution ID: **11**

Type: **not specified**

Nucleosynthesis of trans-iron elements

Monday, 11 April 2022 12:30 (40 minutes)

Presenter: KURTUKIAN NIETO, Teresa (CENBG)

Session Classification: WG1 - Nuclear Astrophysics

Contribution ID: 12

Type: **not specified**

M/T: Fusion-evaporation and Pre-equilibrium emission

Tuesday, 12 April 2022 13:10 (40 minutes)

Presenter: MAZUREK, Michał (CERN)

Session Classification: WG4 - Nuclear Reactions and Dynamics

Contribution ID: 13

Type: **not specified**

Physics overview: alpha clustering, dynamics and structure, thermodynamics, equation of state, collective motions

Tuesday, 12 April 2022 12:30 (40 minutes)

Presenter: DELL'AQUILA, Daniele (Univ. Napoli Federico II and INFN - Napoli, Italy)

Session Classification: WG4 - Nuclear Reactions and Dynamics

Contribution ID: 14

Type: **not specified**

Concluding remarks

Tuesday, 12 April 2022 16:50 (20 minutes)

Presenter: GRAMEGNA, Fabiana (Istituto Nazionale di Fisica Nucleare)

Session Classification: Concluding remarks

Contribution ID: 15

Type: **not specified**

Workshop Presentation

Monday, 11 April 2022 09:20 (10 minutes)

Presenter: NANIA, Rosario (Istituto Nazionale di Fisica Nucleare)

Session Classification: Welcome and introduction

Contribution ID: 16

Type: **not specified**

SPES and stable beams at LNL

Monday, 11 April 2022 09:30 (20 minutes)

Presenter: FAGOTTI, Enrico (Istituto Nazionale di Fisica Nucleare)

Session Classification: Welcome and introduction

Contribution ID: 17

Type: **not specified**

SPES and stable beams at LNL

Monday, 11 April 2022 09:50 (20 minutes)

Presenter: RIFUGGIATO, Danilo (Istituto Nazionale di Fisica Nucleare)

Session Classification: Welcome and introduction

Contribution ID: **18**

Type: **not specified**

Nuclear astrophysics theory

Monday, 11 April 2022 11:10 (40 minutes)

Presenter: CRISTALLO, Sergio (Istituto Nazionale di Fisica Nucleare)

Session Classification: WG1 - Nuclear Astrophysics

Contribution ID: 19

Type: **not specified**

M/T: Transfer, Particle Spectroscopy

Tuesday, 12 April 2022 15:00 (40 minutes)

Presenter: ROMERO GASQUES, Leandro (N)

Session Classification: WG4 - Nuclear Reactions and Dynamics

Contribution ID: 20

Type: **not specified**

M/T: fission and sub-barrier fusion

Tuesday, 12 April 2022 15:40 (40 minutes)

Presenter: CAAMANO, Manuel

Session Classification: WG4 - Nuclear Reactions and Dynamics

Contribution ID: 21

Type: **not specified**

Present and future experimental setups at LNL

Monday, 11 April 2022 10:10 (30 minutes)

Presenter: FIORETTO, Enrico (Istituto Nazionale di Fisica Nucleare)

Session Classification: Welcome and introduction