

# **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, April 11, 2022 2:50 PM (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, April 11, 2022 3:30 PM (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, April 11, 2022 4:10 PM (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, April 12, 2022 9:00 AM (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, April 12, 2022 9:40 AM (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, April 12, 2022 10:20 AM (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, April 12, 2022 11:20 AM (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, April 12, 2022 12:00 PM (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, April 11, 2022 11:50 AM (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, April 11, 2022 12:30 PM (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, April 12, 2022 1:10 PM (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, April 12, 2022 12:30 PM (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, April 12, 2022 4:50 PM (20 minutes)*

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

**Session Classification:** Concluding remarks

Contribution ID: 15

Type: **not specified**

## Workshop Presentation

*Monday, April 11, 2022 9:20 AM (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, April 11, 2022 9:30 AM (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, April 11, 2022 9:50 AM (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, April 11, 2022 11:10 AM (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, April 12, 2022 3:00 PM (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, April 12, 2022 3:40 PM (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, April 11, 2022 10:10 AM (30 minutes)*

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

**Session Classification:** Welcome and introduction