

The 12th European Summer School on Experimental Nuclear Astrophysics

Report of Contributions

Contribution ID: 2

Type: **not specified**

Welcome from authorities

Monday, 17 June 2024 09:00 (30 minutes)

Contribution ID: 3

Type: **not specified**

The Physics of low energy reaction rates

Monday, 17 June 2024 09:30 (50 minutes)

Presenter: WIESCHER, Michael (University of Notre Dame)

Contribution ID: 4

Type: **not specified**

Primordial Nucleosynthesis after Planck

Monday, 17 June 2024 10:20 (50 minutes)

Presenter: KAJINO, Taka (National Astronomical Observatory of Japan, The University of Tokyo)

Contribution ID: 5

Type: **not specified**

Stellar Evolution and standard solar models

Monday, 17 June 2024 14:00 (1h 40m)

Presenter: STRANIERO, Oscar (INAF)

Contribution ID: 6

Type: **not specified**

Compact Object Equation of State

Monday, 17 June 2024 15:40 (50 minutes)

Presenter: GULMINELLI, Francesca (Unicaen/LPC/Ensicaen)

Contribution ID: 7

Type: **not specified**

Cleaning up the nucleosynthesis origins of metal-poor r- process abundance observations part I

Presenter: KRATZ, Karl-Ludwig (Johannes-Gutenberg University Mainz)

Contribution ID: 8

Type: **not specified**

Cleaning up the nucleosynthesis origins of metal-poor r- process abundance observations part II

Presenter: KRATZ, Karl-Ludwig (Johannes-Gutenberg University Mainz)

Contribution ID: **10**

Type: **not specified**

Neutrino induced nucleosynthesis

Tuesday, 18 June 2024 09:00 (50 minutes)

Presenter: KAJINO, Taka (National Astronomical Observatory of Japan, The University of Tokyo)

Contribution ID: 11

Type: **not specified**

Stellar chemical compositions and open questions

Tuesday, 18 June 2024 09:50 (50 minutes)

Presenter: KORN, Andreas (Uppsala University)

Contribution ID: 12

Type: **not specified**

Galactic chemical evolution

Tuesday, 18 June 2024 11:00 (50 minutes)

Presenter: ROMANO, Donatella (INAF, Astrophysics and Space Science Observatory, Bologna)

Contribution ID: 13

Type: **not specified**

Nuclear Clusters and their Role in Nucleosyntheses

Tuesday, 18 June 2024 11:50 (50 minutes)

Presenter: ROGACHEV, Grigory (Texas A&M University)

Contribution ID: 14

Type: **not specified**

RIB: production and experiments

Tuesday, 18 June 2024 14:30 (45 minutes)

Presenter: MAZZOCCO, Marco (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 15

Type: **not specified**

Nuclear Astrophysics with RIBs at CRIB

Tuesday, 18 June 2024 15:15 (45 minutes)

Presenter: YAMAGUCHI, Hidetoshi (Center for Nuclear Study, the University of Tokyo)

Contribution ID: 16

Type: **not specified**

Storage rings for nuclear astrophysics

Tuesday, 18 June 2024 16:30 (45 minutes)

Presenter: LITVINOV, Yuri (GSI Helmholtzzentrum für Schwerionenforschung)

Contribution ID: 17

Type: **not specified**

Update of the triple alpha reaction rate

Tuesday, 18 June 2024 17:15 (45 minutes)

Presenter: KAWABATA, Takahiro (Department of Physics, Osaka University)

Contribution ID: **18**

Type: **not specified**

Indirect methods

Wednesday, 19 June 2024 09:00 (1h 10m)

Presenter: BERTULANI, Carlos (Texas A&M University-Commerce)

Contribution ID: **19**

Type: **not specified**

Guidelines to THM applications

Wednesday, 19 June 2024 10:10 (30 minutes)

Presenter: SPARTA¹, Roberta (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 20

Type: **not specified**

Supernova Nucleosynthesis

Wednesday, 19 June 2024 11:00 (50 minutes)

Presenter: FROHLICH, Carla (NC State University)

Contribution ID: 21

Type: **not specified**

Experimental studies for explosive nucleosynthesis

Wednesday, 19 June 2024 11:50 (50 minutes)

Presenter: AHN, Sunghoon (Tony) (Center for Exotic Nuclear Studies, Institute for Basic Science)

Contribution ID: 22

Type: **not specified**

The ERNA facility

Wednesday, 19 June 2024 12:40 (50 minutes)

Presenter: BUOMPANE, Raffaele (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 23

Type: **not specified**

Nuclear astrophysics at LUNA

Thursday, 20 June 2024 09:00 (50 minutes)

Presenter: ALIOTTA, Marialuisa

Contribution ID: 24

Type: **not specified**

The n_ToF facility for nuclear astrophysics

Friday, 21 June 2024 09:00 (50 minutes)

Presenter: COSENTINO, Luigi Giovanni (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 25

Type: **not specified**

Nuclear astrophysics with R-matrix

Thursday, 20 June 2024 11:00 (50 minutes)

Presenter: BRUNE, Carl R. (Ohio University)

Contribution ID: 26

Type: **not specified**

r-process nucleosynthesis: an experimental approach

Thursday, 20 June 2024 11:50 (50 minutes)

Presenter: SPYROU, Artemis (NSCL/MSU)

Contribution ID: 27

Type: **not specified**

Nuclear Astrophysics at ELI-NP

Thursday, 20 June 2024 16:00 (50 minutes)

Presenter: MATEI, Catalin (ELI-NP)

Contribution ID: 28

Type: **not specified**

To be(t) or not to be(t): a Bayesian approach to statistical data analysis

Thursday, 20 June 2024 16:50 (50 minutes)

Presenter: PISANO, Silvia (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 29

Type: **not specified**

The PANDORA project: an experimental setup for measuring in-plasma β -decays of astrophysical interest

Thursday, 20 June 2024 09:50 (50 minutes)

Presenter: Dr MASCALI, David (LNS)

Contribution ID: **30**

Type: **not specified**

Resonant Scattering and its recent applications

Friday, 21 June 2024 09:50 (50 minutes)

Presenter: GOLDBERG, Vladilen (Cyclotron Institute, Texas A&M University, College Station, Texas, USA)

Contribution ID: 31

Type: **not specified**

Laser induced reactions for nuclear astrophysics

Friday, 21 June 2024 11:00 (50 minutes)

Presenter: LATTUADA, Dario (Istituto Nazionale di Fisica Nucleare)

Contribution ID: 32

Type: **not specified**

Exploring the origin of the rarest stable isotopes naturally occurring on Earth with photon beams

Friday, 21 June 2024 11:50 (50 minutes)

Presenter: BANU, adriana (james madison university)

Contribution ID: 33

Type: **not specified**

Developing system arrays for new experimental approaches in nuclear astrophysics

Friday, 21 June 2024 12:40 (30 minutes)

Presenter: GUARDO, Giovanni Luca (Istituto Nazionale di Fisica Nucleare)

Contribution ID: **34**

Type: **not specified**

Final Remarks

Friday, 21 June 2024 18:00 (30 minutes)

Primary author: Prof. PIZZONE, Rosario Gianluca (The University of Catania and Istituto Nazionale di Fisica Nucleare)

Co-author: LAMIA, Livio (Istituto Nazionale di Fisica Nucleare)

Presenters: LAMIA, Livio (Istituto Nazionale di Fisica Nucleare); Prof. PIZZONE, Rosario Gianluca (The University of Catania and Istituto Nazionale di Fisica Nucleare)