

## **Session Program**

**Jun 19 - 24, 2022**



# **The 13th Torino Workshop on AGB stars & the 3rd Perugia Workshop on Nuclear Astrophysics**

## ***Stellar Nucleosynthesis***

## Thu, June 23

9:00 AM

### Stellar Nucleosynthesis

Session | Location: Perugia, Italy | Convener: Paolo VENTURA

9:00 – 9:25 AM

#### How important are Asymptotic Giant Branch Star in Astrophysics? (R)

**Speaker**

Mounib EL EID

9:25 – 9:50 AM

#### The NuGrid AGB Evolution and Nucleosynthesis Data Set

**Speaker**

Umberto BATTINO

9:50 – 10:15 AM

#### Mixing by internal gravity waves and its possible roles in the origin of the Li-rich red-clump stars and formation of the $^{13}\text{C}$ pocket in AGB stars

**Speaker**

Pavel DENISENKOV

10:15 – 10:40 AM

#### Magnetic mixing and s-processing in AGB stars

**Speaker**

Diego VESCOVI

10:40 AM

11:10 AM

### Stellar Nucleosynthesis

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11:10 – 11:35 AM

#### Barium stars as tracers of s-process nucleosynthesis in AGB stars (R)

**Speaker**

Borbála CSEH

11:35 AM – 12:00 PM

#### Finding the polluter AGB properties of a Barium stars with machine learning

**Speaker**

Blanka VILÁGOS

12:00 – 12:25 PM

#### The intermediate neutron capture process in AGB stars

**Speaker**

Arthur CHOPLIN

12:25 – 12:50 PM

#### Neutron capture nucleosynthesis in zero and very low metallicity rotating massive stars

**Speaker**

Lorenzo ROBERTI

12:50 PM