

Session Program

May 5 - 9, 2024

Spoke 3 General Meeting

WP1-WP2

Mon, May 6

10:45 AM

WP1-WP2: Session 1

Session | **Location:** La Biodola - 57037 Portoferraio- Isola d'Elba (Li) | **Convener:** Claudio Gheller

10:45 - 11:00 **Wp1-WP2 Report**

Speakers

Giuseppe Puglisi, Mario Spera, Milena Valentini, Stefano Della Torre

11:00 - 11:15 **ISTEDDAS: current status and key-science project**

Speaker

Mario Spera

11:15 - 11:30

Gadget3 simulations of HI in absorption and emission: Lyman-alpha forest and 21cm

Speaker

Matteo Viel

11:30 - 11:45

Recent Advances on PLUTO GPU Development and astrophysical applications

Speaker

Andrea Mignone

11:45 - 12:00

GPU Accelerated simulations of 2D incompressible turbulence

Speaker

Victor de J. Valadao

12:00 - 12:15

Cosmica a novel CUDA code developed on the Ampere GPU architecture

Speaker

Giovanni Cavallotto

12:15 - 12:30

NP_TMcode first parallel implementation

Speaker

Dr Giovanni La Mura

12:30 - 12:45

Searching for orbital modulated periodic signals in radio timeseries

Speaker

Andrea Possenti

12:45 - 13:00

Mercury-Arxes: next steps toward high-resolution planet formation simulations

Speaker

Diego Turrini

1:00 PM