Session Program

July 6, 2021

meeting PRIN NAT-NET

Session 2

Meeting online

Tue, July 6

2:30 PM

Session 2: WP3 Sources and fluxes of neutrinos and other messengers

Session | **Location:** Meeting online | **Conveners:** Dr Giulia Pagliaroli, Prof. Alessandro Mirizzi

2:30 – 2:35 PM

The role of unresolved pulsar wind nebulae to the gamma-ray diffuse emission at GeV

Speaker
Ms Vittoria Vecchiotti

2:35 – 2:40 PM

Multimessenger Analysis Strategy for Core-Collapse Supernova Search: Gravitational Waves and Low-energy Neutrinos

Speaker
Dr Giulia Pagliaroli

2:40 – 2:45 PM

Enhanced axion emissivity from supernovae via pionic processes

Speaker
Prof. Alessandro Mirizzi

2:45 – 2:50 PM

Axions from hypernovae

Speaker
Mr Giuseppe Lucente

2:50 – 2:55 PM

Unified thermal model for photohadronic neutrino production in astrophysical sources

Speaker
Mr Giuseppe Fiorillo

2:55 – 3:00 PM

Starburst galaxies strike back: a multi-messenger analysis with Fermi-LAT and IceCube data

Speaker
Mr Antonio Ambrosone

3:15 PM

3:20 PM

Session 2: WP4 Standard cosmological model and beyond

Session | **Location:** Meeting online | **Conveners:** Prof. Fabio Iocco, Prof. Francesco Villante

3:20 – 3:25 PM

PBH absorption as source of baryon asymmetry

Speaker
Ms Roberta Calabrese

3:25 – 3:30 PM

Axions from PBH shining through the Universe

Speaker
Mr Francesco Schiavone

3:30 – 3:35 PM

Thermal Axions with multi-eV masses

Speaker
Mr Pierluca Carenza

3:35 – 3:40 PM **Quantum String Cosmology**

Speaker
Prof. Maurizio Gasperini

3:40 – 3:45 PM **BBN after LUNA results on d(p,gamma)^3He**

Speaker
Prof. Gianpiero Mangano

4:05 PM

4:10 PM **Session 2: Conclusions**
Session | **Location:** Meeting online

4:40 PM