

Session Program

5-9 Sept 2022

**IPA2022: Interplay between Particle and
Astroparticle physics 2022**

Astronomy, Astrophysics and Cosmology

TU Wien
Karlsplatz 13, 1040 Wien

Monday 5 September

09:00

Astronomy, Astrophysics and Cosmology

Session | **Location:** TU Wien, Karlsplatz 13, 1040 Wien | **Convener:** gianluca inguglia

09:00–09:10

Welcome

Speaker

Jochen Schieck

09:10–09:30

Introduction

Speakers

Gianluca Inguglia, gianluca inguglia

09:30–10:00

Multi-messenger astronomy and the extreme Universe

Speakers

Andrii Neronov, Andrii Neronov

10:00–10:30

Gravitational waves at GW observatories

Speaker

Nicolas Leroy

10:30

11:00

Astronomy, Astrophysics and Cosmology

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11:00–11:30

The Einstein Telescope

Speaker

Domenico D'Urso

11:30–12:00

Non-thermal radio emissions at the largest scale

Speaker

Kamlesh Rajpurohit

12:00–12:30

Status and prospects for AMS-02

Speaker

Maura Graziani

12:30

14:00

Astronomy, Astrophysics and Cosmology

Session | **Location:** TU Wien, Karlsplatz 13, 1040 Wien | **Convener:** Maura Graziani

14:00–14:30

The IceCube experiment and possible upgrades

Speaker

Chad Finley

14:30–15:00

The KM3NeT Neutrino Telescope - Status and outlook

Speaker

Jutta Schnabel

15:00–15:30

Recent results from the Pierre Auger Observatory

	Speaker Serguei Vorobiov
16:00	15:30–16:00 EHT observations of SMBHs
16:30	Speaker Michael Florian Wondrak
	Astronomy, Astrophysics and Cosmology Session Location: TU Wien, Karlsplatz 13, 1040 Wien Convener: Maura Graziani
	16:30–17:00 Slow-roll inflation in Palatini $f(R)$ gravity
	Speaker Antonio Racioppi
17:30	17:00–17:30 Probing dark matter with neutron stars
	Speaker Dr Violetta Sagun