#### **Session Program**

2-6 Dec 2019

# **TeV Particle Astrophysics 2019**

Plenary

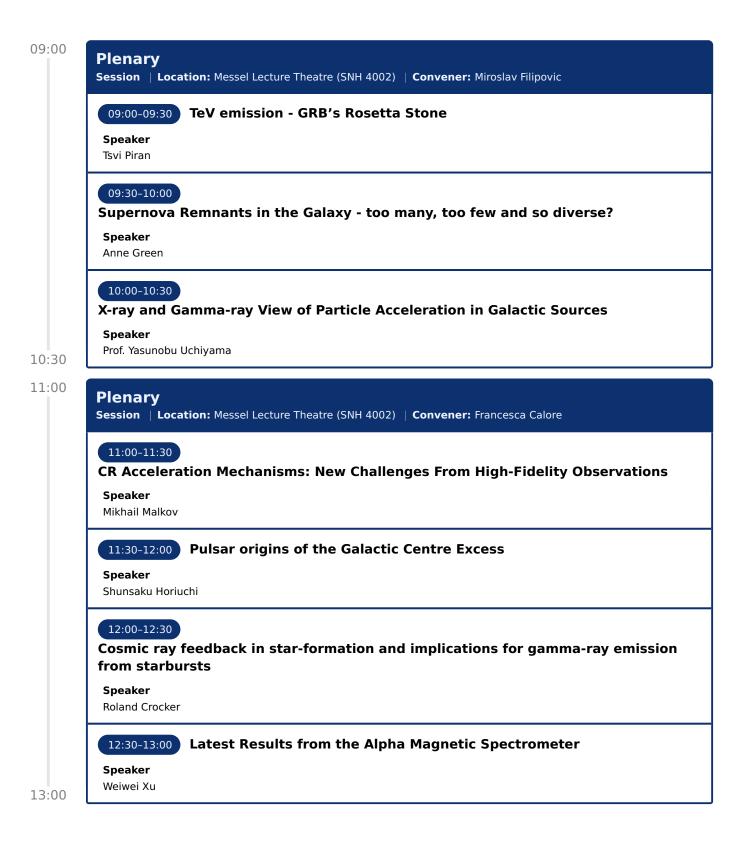
# Monday 2 December

	ation: Messel Lecture Theatre (SNH 4002)   Convener: Gianfranco Bertone
09:00-09:30	ТВА
<b>Speaker</b> celine boehm	
09:30-10:00 Dark matte at the TeV s Speaker	r bound states: overhauling our understanding of thermal decoup scale
Kalliopi Petraki	
xenon dete Speaker	WIMP paradigm (an many others) with ultra-low background mas ctors
Luca Grandi	
Plenary Session   Loca	ation: Messel Lecture Theatre (SNH 4002)   Convener: Luca Grandi
Session   Loca 11:00-11:30 Speaker	Capture of Dark Matter in Neutron Stars
Session   Loca 11:00-11:30 Speaker Nicole Bell 11:30-12:00 Speaker Jingjing ZANG	Capture of Dark Matter in Neutron Stars The latest results of the Dark Matter Particle Explorer (DAMPE) DarkSide-20k and the Direct Dark Matter Search with Liquid Arg
Session   Loca 11:00-11:30 Speaker Nicole Bell 11:30-12:00 Speaker Jingjing ZANG 12:00-12:30 Speaker Thomas Nathan 12:30-13:00	Capture of Dark Matter in Neutron Stars The latest results of the Dark Matter Particle Explorer (DAMPE) DarkSide-20k and the Direct Dark Matter Search with Liquid Arg

# Tuesday 3 December

09:00-09:30 Speaker	Probing dark matter with galaxies
joseph silk	
09:30-10:00 <b>Speaker</b> Xuelei Chen	The 21cm probe of cosmology
10:00-10:30	Shining a light on the dark side of cosmology
<b>Speaker</b> Prof. Geraint Le	wis
Plenarv	
	ation: Messel Lecture Theatre (SNH 4002)   Convener: Emanuela Dimastrogiovanni
Session   Loca 11:00-11:30 Speaker Jan Hamann	
Session   Loca 11:00-11:30 Speaker Jan Hamann 11:30-12:00	
Session   Loca 11:00-11:30 Speaker Jan Hamann 11:30-12:00	Cosmology after Planck ucture formation with non-gravitational dark matter interaction
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#### Wednesday 4 December



#### **Thursday 5 December**



### Friday 6 December

09:00-09:30	The Cherenkov Telescope Array: a new eye on the TeV sky
Speaker	
Dr Roberta Za	nin
09:30-10:00	
Linking Te	V and THz astronomy (gamma-ray and radio astrophysics connection
<b>Speaker</b> Dr Gavin Rowe	
10:00-10:30	Exploring the Universe with High Energy Neutrinos
<b>Speaker</b> Gary Hill	
Plenary	
	cation: Messel Lecture Theatre (SNH 4002)   Convener: Susumu Inoue
11:00-11:30	
	ndent Models for Cosmic Rays and Diffuse Emissions from the Galaxy
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Speaker	
Troy Porter	
	N
11:30-12:00	
Recent res	ults on ultra-high energy cosmic rays from the Pierre Auger
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