Session Program

7-11 Jul 2025

Dark Side of the Universe 2025

Parallel 3

Monday 7 July

13:30-13:50 Renormali matter	sation group improvement of dynamical symmetry breaking by dark
Speaker Kristjan Muur	sepp
13:50-14:10 Speaker Dr Paolo Pano	
14:10-14:30 Speaker Dr Jongkuk K	
14:30-14:50 Unveiling Dark Matt	Imprints from Dark Symmetries: Signatures of Axion Portal to Scalar
Speaker Tommaso Sas	
	si
14:50-15:10	believe to be known in direct Dark Matter detection physics might be
14:50-15:10 What we k incorrect Speaker Dr Chung-Lin	believe to be known in direct Dark Matter detection physics might be
14:50-15:10 What we k incorrect Speaker Dr Chung-Lin	SHAN SHAN Could the Universe Endure a NEC Fracture?
14:50-15:10 What we k incorrect Speaker Dr Chung-Lin Parallel 3 Session Lo 15:40-16:00 Speaker	SHAN SHAN S: Dark energy I cation: A1502, except B1007 on Monday Convener: Urjit Yajnik Could the Universe Endure a NEC Fracture? intin Do Observations Prefer Thawing Quintessence?

Mor	nday	7	ulv
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Speaker Patrick Adolf	
17:00-17:20	FAT alternative dynamics to standard cosmology
Speaker	
opeanei	

17:20

Tuesday 8 July

Para	llel 3: Indirect detection
	n Location: A1502, except B1007 on Monday Convener: Marianne Moore
Spea	D-13:50 Jovian neutrino signatures of annihilating dark matter ker a Robles
Capt Spea	0-14:10 ure, thermalisation and annihilation of Dark Matter in Compact Objects cer o Busoni
14:10 Spea	D-14:30 DREAMS of Dark Matter Annihilation Signals
Spea	
	do Munini
	do Munini Ilel 3: Gravitational waves / phase transitions I n Location: A1502, except B1007 on Monday Convener: Dr Sergey Sibiryakov
Sessio 15:4 Spea	Ilel 3: Gravitational waves / phase transitions I n Location: A1502, except B1007 on Monday Convener: Dr Sergey Sibiryakov 0-16:00 From symmetries to gravitational waves
Session 15:44 Spea Csaba 16:00 Spea	Ilel 3: Gravitational waves / phase transitions I n Location: A1502, except B1007 on Monday Convener: Dr Sergey Sibiryakov p-16:00 From symmetries to gravitational waves cer Balazs p-16:20 Holographic phase transitions via thermally-assisted tunneling
Session 15:40 Spear Csaba 16:00 Spear Andre 16:20 Grav Spear	Ilel 3: Gravitational waves / phase transitions I n Location: A1502, except B1007 on Monday Convener: Dr Sergey Sibiryakov -16:00 From symmetries to gravitational waves rer Balazs 0-16:20 Holographic phase transitions via thermally-assisted tunneling rer y Shkerin

Wednesday 9 July

11:00-11:20	Dark matter at the high mass frontier
Speaker	
Joseph Braman	te
11:20-11:40	Atomic Dark Matter Capture in the Earth
Speaker	
Keegan Humph	rey
11:40-12:00	Composite dark matter disassembly in the Earth
Speaker	
Yilda Boukhtou	chen
12:00-12:20	The SuperCDMS Experiment at SNOLAB
Speaker	
Dr Matthew Stu	kel

Thursday 10 July



Friday 11 July

11:10-11:30	Spin-dependent scattering of sub-GeV dark matter in crystal target
Speaker	
Pankaj Munbo	3h
11:30-11:50	
Light scala	r dark matter stabilized by Pauli blocking in fermion background
Speaker	
Osamu Seto	
11:50-12:10	Ultralight Dark Matter and Magnetic Fields on Cosmological Scales
Speaker	
Robert Brande	nberger
12:10-12:30	Wave Interference in Self-Interacting Fuzzy Dark Matter