## Axions across boundaries between Particle Physics, Astrophysics, Cosmology and forefront Detection Technologies

Conference Week: June 05 - 09, 2023

Monday, Ju	une 5 Morning Session	Chair: Enrico Nardi
10:00-11:00 Alessandro Mirizzi [Axion astrophysical bounds]		
11:30-12:30 Pierre <b>Sikivie</b> [Axion Bose-Einstein condensation]		
11100 12100	Afternoon Session	
14:30-15:10	Archil <b>Kobakhidze</b> [Gravitational instanto	5
	companion axion sol	
15:10-15:50 Ariel <b>Zhitnitsky</b> [Axion quark nugget (AQN) DM model]		
	Sebastian <b>Hoof</b> [Axions as solar thermon	· -
Tuesday, J	une 6 Morning Session	Chair: Claudio Gatti
10:00-11:00	Ben Safdi [Neutron Star cooling, Magne	tic White Dwarfs polarization,
axion/photon conversion in Neutron Stars]		
11:30-12:30	Gray Rybka: [The US axion searches prog	gram, ADMX plans]
	Afternoon Session	Chair: Esther Ferrer Ribas
	-15:10 Karl van Bibber: [New trends in axion DM searches + ALPHA]	
	Camilo Garcia Cely: [GW detection with haloscopes]	
16:20-17:00	Christina Gao [Axion wind detection with	superfluid helium three]
Wodnosday	y, June 7 Morning Session	Chair: Yannis Semertzidis
_	Sophie <b>Renner</b> [ALP effective field theori	
	Claudio <b>Gatti</b> [update of QUAX and FLAS	_
11.30-12.30	Afternoon Session	Chair: Karl van Bibber
14:30-15:10	Kanioar <b>Karan</b> [The optics of the ALPs-II	
	Aleksandr <b>Chatrchyan</b> [From QCD axion	
	Noam Tal <b>Hod</b> [The LUXE experiment ar	
10.20-17.00	Moaiii Tai <b>Tiou</b> [The LOAL experiment ar	id its NFOD extension
Thursday,	June 8 Morning Session	Chair: Sophie Renner
10:00-11:00 Luca Visinelli [Axion cosmology (axion miniclusters, stars, axions and inflation)]		
11:30-12:30 Yannis Semertzidis [Review of activities in CAPP]		
	Afternoon Session	Chair: Alessandro Mirizzi
14:30-15:10	José Antonio Oller [QCD axion couplings	beyond standard chiral perturbation theory]
15:10-15:50	Anton <b>Sokolov</b> [General equations of axi	on electrodynamics]
16:20-17:00 Subir Sarkar [The cosmological axion domain wall problem]		
Friday, Jun	ne 9 Morning Session	Chair: Pierre Sikivie
• •	Oscar <b>Straniero</b> [The future of axion astro	
about axions from future astrophysical probes]		
11:30-12:30 Julia <b>Vogel</b> [review of helioscope searches (status of BabylAXO)]		
Afternoon Session Chair: Igor Irastorza		
14:30-15:10 Bernardo <b>Ary dos Santos</b> [Searching for axion DM with a Dielectric Haloscope]		
15:10-15:50 Chelsea Bartram [DMRadio Design and Development: A Debriefing]		
15:50-16:00	Closing Remarks	. 3.
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