

第二届轴子物理和实验国际会议

The Second International Conference on Axion Physics and Experiment

(Axion 2023)

会议日程（7 月 24 日-7 月 27 日）

星期一 7 月 24 日 Monday, July 24 长乐 B 厅

时间 Time	主持人 Chair	报告人 Speaker	主题 Subject
8:00-8:30 AM	李田军 Tianjun Li	开幕(Opening ceremony) 赵祥模校长 Xiangmo Zhao, President 致开幕辞(Opening Speech) 张建生 Jiansheng Zhang, Director 致欢迎(Welcome Speech)	
8:30-9:00 AM		合影(Picture)	
9:00-9:30 AM	Tianjun Li	Dongning Zheng	TBA
9:30-10:00 AM		Michael Dine	The Fate of Axion Domain Walls
10:00-10:30 AM		Pierre Sikivie	Axion Searches
10:30-11:00 AM 茶歇 (Coffee Break)			
11:00-11:30 AM	Yungui Gong	Xing Rong	Searching for Exotic Spin-Dependent Interactions by Spin Quantum Sensors
11:30-12:00 AM		Cheng-Wei Chiang	On Higgs decay to a photon and a massless dark photon
12:00-12:30 AM		Qiaoli Yang	Axion Cavity at Quantum Level
12:30-14:00 PM 午间休息(Lunch Break)			
14:00-14:30 PM	Yandong Liu	Lian-Fu Wei	Electromagnetic responses of the axions in a high magnetic field with high-frequency modulations
14:30-15:00 PM		Wei Chao	Axion-like dark matter arising from $U(1)_L$ symmetry
15:00-15:30 PM		Fa-Peng Huang	Imprints of ultralight axions on the gravitational wave and pulsar timing measurement
15:30-16:00 PM		卢伯强	随机引力波背景和轴子探测
16:00-16:30 PM 茶歇 (Coffee Break)			
16:30-16:55 PM	Jinmian Li	Muyuan Song	Investigation of the concurrent effects of ALP-photon and ALP-electron couplings in Collider and Beam Dump Searches

16:55-17:20 PM		Wenxing Zhang	Non-thermally produced Axino searches at the LHC
17:20 -17:45 PM		Junle Pei	Investigating the collinear splitting effects of boosted dark matter at neutrino detectors
17:45 -18:05 PM		Zihan Xue	Identifying axion conversion in compact star magnetospheres with radio-wave polarization signatures

星期二 7 月 25 日 Tuesday, July 25 长乐 B 厅

时间 Time	主持人 Chair	报告人 Speaker	主题 Subject
8:00-8:30 AM	Yu Gao	Bo-Qiang Ma	Searching New Physics from Recent LHAASO Observations of High Energy Cosmic Photons
8:30-9:00 AM		Francesco D'Eramo	Axion Dark Radiation from the Primordial Thermal Bath
9:00-9:30 AM		Lorenzo Calibbi	Majoron Dark Matter from Type II Seesaw
9:30-10:00 AM		Xin Gao	Challenge in realizing de-Sitter space in large scale of Calabi-Yau compactifications
10:00-10:30 AM 茶歇 (Coffee Break)			
10:30-11:00 AM	Nick Houston	肖志广	利用里德堡原子进行轴子测量
11:00-11:30 AM		Zhen Wang	Dark SHINE——a new initiative to search for light dark matter at SHINE facility
11:30-12:00 AM		Jinmian Li	Probing new physics at the FASER detector
12:00-12:30 AM		Lina Wu	No-scale inflation inspired from string theory compactifications
12:30-14:00 PM 午间休息(Lunch Break)			
14:00-14:30 PM	Jiashu Niu	Zhiwei Wang	Phase Transition and Gravitational Wave in Strongly Coupled Dark Matter
14:30-15:00 PM		Yun Jiang	Axion potential-a solution to Higgs mass and gravitational wave signals
15:00-15:30 PM		Min Jiang	Spin-based quantum sensing and its applications
15:30-16:00 PM		Youkai Wang	Fractal Path Integrals and its Degeneration to Dimensional Regularization
16:00-16:30 PM 茶歇 (Coffee Break)			
16:30-16:55 PM	Lei Feng	Yiming Liu	Novel high-frequency gravitational waves detection with split cavity

16:55-17:20 PM		Khanh N. Vu.	Recent Dark Matter combination summary from ATLAS
17:20-17:40 PM		Guoen Nian	Cosmic acceleration on the axion-saxion moduli spaces and the Swampland
17:40-18:00 PM		Longjie Ran	Gaugino masses from misaligned supersymmetry breaking and R-symmetry breaking spurions
18:00-18:30 PM 休息(Break)			
18:30 PM 晚宴 Banquet 长乐 A 厅			

星期三 7 月 26 日 Wednesday, July 26 长乐 B 厅

时间 Time	主持人 Chair	报告人 Speaker	主题 Subject
8:00-8:30 AM	Zhiguang Xiao	Haiyang Yan	Searching for Axions and Axion-Like Particles via Spin-Dependent Interactions
8:30-9:00 AM		Kiwoon Choi	Uncovering the microscopic features of axion with low energy observables
9:00-9:30 AM		Yannis Semertzidis	The final frontier in axion dark matter search
9:30-10:00 AM		Chih-Ting Lu	Lighting Electroweak-Violating ALP-Lepton Interactions at CEPC
10:00-10:30 AM 茶歇 (Coffee Break)			
10:30-11:00 AM	Lei Wang	Sumit Ghosh	Light mediator models
11:00-11:30 AM		Adrian Thomas	New Understanding of Coherence in Bragg-Primakoff Detection of Solar Axions
11:30-11:50 AM		Zihui Wang	Astrophysical heating signals of axion and axion-like dark matter
11:50-12:10 AM		Xin Zhang	Nuclear decay anomalies as a signature of axion dark matter
12:10-14:00 PM 午间休息 (Lunch Break) Online			
14:00-14:30 PM	Zheng Sun	Ivonne Zavala	D-branes, Dark Energy and Pulsar Timing Arrays
14:30-15:00 PM		Susha Parameswaran	Dark Energy with a Little Help from its Friends
15:00-15:30 PM		Edward Hardy	Observing invisible axions with gravitational waves
15:30-16:00 PM 茶歇 (Coffee Break)			
16:00-16:20 PM	Sichun Sun	Naomi Gendler	The (in-)visible Axiverse

16:20-16:40 PM		Chengyi Li	Lorentz violations of cosmic particles from string theory model of space-time foam
16:40-17:00 PM		Wu-Long Xu	The Realistic Scattering of Puffy Dark Matter
17:00-17:20 PM		Luohan Wang	Axion-photon conversion of GRB221009A
17:20 -18:00 PM	Tianjun Li	闭幕式 Closing Ceremony	

星期四 7 月 27 日 Thursday, July 27

时间 Time	主持人 Chair	报告人 Speaker	主题 Subject
8:00-12:00 AM		自由讨论(Free Discussion)	
12:00-14:00 PM 午间休息(Lunch Break)			
14:00-18:00 PM		自由讨论(Free Discussion)	

注释：蓝色字体表示线上报告