Tentative agenda

for Shanghai Physics Symposium 2026

11.16(Day 1): Dark Matter

Time	Talk Title	Speaker	Host
08:40—09:00	Welcome talk	Jie Zhang	Xiangdong Ji
09:00—09:40	Progress and prospects of XENONnT	Elena Aprile	
09:40—10:20	Progress and prospects of PandaX-20T	Ning Zhou	
10:20—10:40	Coffee Break	——	
10:40—11:20	Light Dark Matter: Where Do We Stand?	Tomer Volansky	Haibo Yu
11:20—12:00	An experimental survey of axion searches	Lindley Winslow	
12:00—14:00	Lunch Break	——	
14:00—14:40	Experimental search for axion dark matter-fermion interactions	Dmitry Budker	Yifan Chen
14:40—15:20	Laboratory gravitational detection of dark matter	Gerard Higgins	
15:20—15:40	Coffee Break	——	
15:40—16:20	Tabletop detection of dark matter	Jing Shu	Yifan Chen
16:20—17:00	Atomic clocks and dark matter	Nils Huntemann	
17:00—17:40	Seeing the Earth Before the Dark: Optical-Clock Networks over 1,000 km	Yu-Ao Chen	
18:00—20:00	Dinner	——	

11.17(Day 2)：Fundamental Properties of Neutrinos

Time	Talk Title	Speaker	Host
09:00—09:40	Summary of neutrino oscillation experiments	Liangjian Wen	Mengjiao Xiao
09:40—10:20	All Roads Leading to Absolute Neutrino Mass	Shun Zhou	
10:20—10:40	Coffee Break	——	
10:40—11:20	Physics of solar neutrinos	Wick Haxton	Shaobo Wang
11:20—12:00	High energy cosmic neutrinos	Donglian Xu	
12:00—14:00	Lunch Break	——	
14:00—14:40	Neutrinoless double beta decay	Ke Han	Shaofeng Ge
14:40—15:20	Experimental detection of relic neutrinos	Marcello Messina	
15:20—15:40	Coffee Break	——	
15:40—16:20	Measurement of neutrino mass via electron capture	Yuekun Heng	Shaofeng Ge
18:00—20:00	Dinner	——	

● 11.18(Day 3)：Gravity, gravitational waves, and quantum gravity

Time	Talk Title	Speaker	Host
09:00—09:40	Overview of gravitational wave detection	David Blair	Jim Gates
09:40—10:20	Taiji Project and the Nature of Gravity and Spacetime	Yueliang Wu	
10:20—10:40	Coffee Break	——	
10:40—11:20	Exploring the Universe with Quantum Technology	Oliver Buchmueller	Hongjian He
11:20—12:00	Experimental searches for high-frequency gravitational waves	Andreas Ringwald	
12:00—14:00	Lunch Break	——	
14:00—14:40	Precision Tests of Gravity with Atomic Quantum Sensors	Guglielmo M. Tino	Dan Zhang
14:40—15:20	Detecting Gravitons	Igor Pikovski	
15:20—15:40	Coffee Break	——	
15:40—16:20	Optomechanical test of quantum nature of gravity	Yiqiu Ma	Dan Zhang
18:00—20:00	Dinner	——	

11.19(Day 4)：AMO/EDM/fundamental symmetry

Time	Talk Title	Speaker	Host
09:00—09:40	Neutron EDM and quantum sensors	Peter Fierlinger	Jianglai Liu
09:40—10:20	Search for the nuclear Schiff moment of 171Yb with laser-trapped atoms	Zhengtian Lu	
10:20—10:30	Coffee Break	——	
10:30—11:10	Nuclear clock and fundamental physics	Shiqian Ding	Bo Gao
11:10—11:50	Advanced sensor and potential applications to fundamental physics	Xing Rong	
11:50—12:05	Summary	Xiangdong Ji	Xiangdong Ji
12:05—12:35	Lunch Break	——	
12:35—15:00	Back to TDLI	——	
15:00—18:00	Shanghai Lab Visit	——	
18:00—20:00	Dinner	——	