



# 桌面上的粒子物理 (Particle Physics on Tabletops, PPTT)

Saturday, 9 November 2024

Session: 1 - N102 (09:15 - 10:05)

time	[id] title	presenter
09:15	[22] Cryogenic sensors development and application	YAN, Daikang
09:40	[23] Research Progress on Time-Division Multiplexed Readout Technology Based on Superconducting Quantum Interference Device	GAO, Bo

Session: 2 - N102 (10:30 - 12:10)

time	[id] title	presenter
10:30	[24] An update on plasma wakefield accelerator	LU, Wei
10:55	[25] Tabletop plasma accelerator based possible axion generation and detection schemes	CHEN, Min
11:20	[26] The Dark Photon Searches at the APEX and TASEH Experiments	LI, Tianjun
11:45	[27] SRF Cavity Searches for Dark Photon	SHU, Jing

Session: 3 - N102 (13:40 - 15:20)

time	[id] title	presenter
13:40	[28] 暗物质半导体探测器中的Migdal效应与介质效应	LIANG, Zhengliang
14:05	[29] Novel Detection of Light Dark Matter with Qubit Calorimeter	SONG, Ningqiang
14:30	[30] Probing Neutrinos Properties with Atomic Radiative Emissions	Prof. GE, Shaofeng
14:55	[31] Prospects of measuring recoil force from neutrino emission using micromechanical resonators	Dr TITOV, Oleg

Session: 4 - N102 (15:35 - 17:40)

time	[id] title	presenter
15:35	[43] Spin-based quantum sensors for exotic physics searches	SU, Haowen
16:00	[32] Searching for exotic spin-dependent interactions with solid-state spin sensors	RONG, Xing
16:25	[33] Search for spin dependent exotic interactions with precision force measurements	LUO, Pengshun
16:50	[34] 引力波和轴子密切相关: 产生及探测机制	Prof. SUN, Sichun
17:15	[35] PKMu缪子散射探测实验及新物理探索	LI, Qite

# Sunday, 10 November 2024

## Session: 5 - N102 (09:00 - 10:15)

time	[id] title	presenter
09:00	[36] Optical Lattice Clocks in Interdisciplinary Research of Fundamental Physics and Astrophysics	CHEN, Yuao
09:25	[37] Measurement of the permanent electric dipole moment (EDM) and searching for CP violation	XIA, Tian
09:50	[38] Atomic clocks and fundamental physics	ZHANG, Xibo

## Session: 6 - N102 (10:30 - 11:45)

time	[id] title	presenter
10:30	[39] Precision gravity experiments in laboratory	YANG, Shanqing
10:55	[40] 基于抗磁悬浮的精密力测量技术及其应用	HUANG, Pu
11:20	[41] Extension of Torsion Balance	SHENG, Jie