

Session Program

26-30 Jun 2023

PASCOS 2023

Plenary

ISEB, 1010

Monday 26 June

09:30

Plenary: Plenary 1

Session | **Location:** ISEB, 1010 | **Convener:** Prof. Mu-Chun Chen

09:30–10:00 **Conformal extensions of the Standard Model**

Speaker

Prof. Manfred Lindner

10:00–10:30 **Seesaw Light Dark Matter from Higgs Decay**

Speaker

Ernest Ma

10:30

11:00

Plenary: Plenary 2

Session | **Location:** ISEB, 1010 | **Convener:** Arvind Rajaraman

11:00–11:30 **Neutron Star Heating: WIMP DM vs Others**

Speaker

Natsumi Nagata

11:30–12:00 **Perspectives in Particle Physics**

Speaker

Prof. Stuart Raby

12:00–12:30 **Axion detection with optomechanical cavities**

Speaker

Yikun Wang

12:30

Tuesday 27 June

09:00

Plenary: Plenary

Session | Location: ISEB, 1010 | Convener: Shirley Li

09:00–09:30 **Dirac neutrinos in the cosmic microwave background**

Speaker
Julian Heeck

09:30–10:00 **Majorana phase and matter effects in neutrino chiral rotation**

Speaker
Xiao-Gang He

10:00–10:30 **HEFT, SMEFT and Higgsing---the on-shell way**

Speaker
Yael Shadmi

10:30

11:00

Plenary

Session | Location: ISEB, 1010 | Convener: Michael Ratz

11:00–11:30 **Catastrogenesis: Dark Matter ALPs PBHs and gravitational waves from cosmic string-wall system annihilation**

Speaker
Graciela Beatriz Gelmini

11:30–12:00 **Forecasting axionic isocurvature detectability in Euclid and MegaMapper using EFTofLSS**

Speaker
Daniel Chung

12:00–12:30 **Enhancement of Particle Phenomena by High-Spin Black Holes**

Speaker
Dr Delilah Gates

12:30

Wednesday 28 June

09:00

Plenary

Session | **Location:** ISEB, 1010 | **Convener:** Tim M.P. Tait

09:00–09:30 **Stasis, Stasis, Stasis**

Speaker

Keith Dienes

09:30–10:00 **Dark Energy with a Little Help from its Friends**

Speaker

Susha Louise Parameswaran

10:00–10:30 **Quantum transitions in the string landscape and detailed balance**

Speaker

Fernando Quevedo

10:30

11:00

Plenary

Session | **Location:** ISEB, 1010 | **Convener:** Yuri Shirman

11:00–11:30 **Dark Photons and Magnetic Charge**

Speaker

Christopher Verhaaren

11:30–12:00

Magnetic Monopoles: Scattering Amplitudes, QFT, Group Theory and Topology

Speaker

Dr Ofri Telem

12:00–12:30 **A status report on the black hole information problem**

Speaker

Dr Daniel Harlow

12:35

Thursday 29 June

09:00

Plenary

Session | **Location:** ISEB, 1010 | **Convener:** Michael Ratz

09:00–09:30 **Cosmic Probes of the Dark Sector**

Speaker

Dr Chanda Prescod-Weinstein

09:30–10:00 **muTRISTAN**

Speaker

Ryuichiro Kitano

10:00–10:30 **Modular Invariance and the Strong CP Problem**

Speaker

Ferruccio Feruglio

10:30

11:00

Plenary

Session | **Location:** ISEB, 1010 | **Convener:** Yuri Shirman

11:00–11:30 **Top-Down Aspects of Modular and Eclectic Flavor Symmetries**

Speaker

Hans Peter Nilles

11:30–12:00 **Disentangling the flavor puzzle with strings**

Speaker

Saul Ramos-Sanchez

12:00–12:30 **Lepton Flavor Portal Matter**

Speaker

Lisa Everett

12:30

Friday 30 June

09:00

Plenary

Session | **Location:** ISEB, 1010 | **Convener:** Arvind Rajaraman

09:00–09:30

New physics at low redshift cannot be the sole explanation for the H_0 tension

Speaker

Ryan Keeley

09:30–10:00

All in the Family: the quintessential kinship between Inflation and Dark Energy

Speaker

PQ Hung

10:00–10:30

Searching for New Physics with NANOGrav

Speaker

Prof. Kimberly Boddy

10:30

11:00

Plenary: Plenary 10

Session | **Location:** ISEB, 1010 | **Convener:** Shirley Li

11:00–11:30

BSM physics in the far-forward region of the LHC

Speaker

Sebastian Trojanowski

11:30–12:00

Results from FASER

Speaker

Dave Casper

12:00–12:30

Light Scalars at FASER

Speaker

Shufang Su

12:30–12:50

Announcing PASCOS 2024

Speaker

PQ Hung

13:00