

Session Program

29 April 2023

PIKIMO Spring 2023

Talks

OSU Physics Research Building, Smith Seminar Room

Saturday 29 April

10:00

Talks

Session | **Location:** OSU Physics Research Building, Smith Seminar Room

10:00–10:30 **Electroweak LHC: High-energy lepton colliders**

Speaker

Dr Yang Ma

10:30–10:45 **Isosinglet vectorlike leptons at e^+e^- colliders**

Speaker

Prudhvi Bhattiprolu

10:45–11:00 **Stabilizing the Higgs Potential with Vector-like Fermions**

Speaker

Tom Steudtner

11:00–11:15 **Precision Electroweak Tensions and a Wide Dark Photon**

Speaker

Evan Petrosky

11:15

11:35

Talks

Session | **Location:** OSU Physics Research Building, Smith Seminar Room

11:35–12:05 **Recent Progress in Kaon Physics**

Speaker

Joachim Brod

12:05–12:20 **Exotic Heavy Mesons and Lattice QCD Potentials**

Speaker

Roberto Bruschini

12:20–12:35 **Femtoscopic correlations in Equation of State studies**

Speaker

Maria Stefaniak

12:35

14:00

Talks

Session | **Location:** OSU Physics Research Building, Smith Seminar Room

14:00–14:30 **Seeing Gravity and the (Invisible) Universe with Pulsar Timing Arrays**

Speaker

Emmanuel Fonseca

14:30–14:45 **Cosmologically Varying Kinetic Mixing**

Speaker

Xucheng Gan

14:45–15:00 **Probing New Physics with Gravitational Waves**

	<p>Speaker Jan Schütte-Engel</p>
	<p>15:00–15:15 Low-scale Leptogenesis</p> <p>Speaker Tony Menzo</p>
<p>15:30</p>	<p>15:15–15:30</p> <p>High-energy neutrino deeply inelastic scattering cross sections from 100 GeV to 1000 EeV</p> <p>Speaker Keping Xie</p>
<p>16:00</p> <p>17:00</p>	<p>Talks</p> <p>Session Location: OSU Physics Research Building, Smith Seminar Room</p> <p>16:00–16:15 The Physics of Neural Networks</p> <p>Speaker Hannah Day</p> <p>16:15–16:30 Going Underground or Listening to the Sky?</p> <p>Speaker Anupam Ray</p> <p>16:30–16:45 Directly Detecting Light Dark Matter</p> <p>Speaker Robert McGehee</p> <p>16:45–17:00 \tilde{g}-$2\tilde{g}$ Model Building with Portal Matter</p> <p>Speaker GEORGE WOJCIK</p>