

Session Program

Oct 14 - 18, 2024

2024 Belle II Physics Week

Workshop on taus and dark sectors

KEK, Kobayashi Hall

Mon, October 14

1:25 PM

Workshop on taus and dark sectors

Session | **Location:** KEK, Kobayashi Hall | **Conveners:** Emilie Passemar, Torben Ferber, Laura Zani

1:25 - 1:55 PM

Opportunities for testing the Standard Model with Tau leptonic decays at Belle II

Speaker

Pablo Roig Garcés

2:05 - 2:35 PM

LFV in tau decays and possibility for new mediators: complementarity of tau and muon

Speaker

Lorenzo Calibbi

2:45 - 3:15 PM

Mesogenesis: Signals of Baryogenesis at B-Factories

Speaker

Gilly Elor

3:25 - 3:55 PM

Coffee break

3:55 - 4:25 PM

Dark sector search with hadrons

Speaker

Tobioka Kohsaku

4:35 - 5:05 PM

Prospects on the magnetic(electric) moment of the tau and polarized beams

Speaker

Martin Hoferichter

6:55 PM

Tue, October 15

1:30 PM

Workshop on taus and dark sectors

Session | **Location:** KEK, Kobayashi Hall | **Conveners:** Torben Ferber, Emilie Passemar, Laura Zani

1:30 – 2:00 PM

Testing SM through precise measurements of hadronic tau decays at Belle II

Speaker

Pablo Roig Garcés

2:10 – 2:40 PM

Lattice QCD results and tau measurements exchange: important inputs for precision tests

Speaker

Mattia Bruno

2:50 – 3:20 PM

Dark sector searches with leptons

Speaker

Stefania Gori

3:30 – 4:00 PM

Coffee break

4:00 – 4:30 PM

Statistical analysis and interpretation of flavour anomalies

Speaker

Mahmoudi Nazila

4:40 – 5:10 PM

Recasting hadron collider searches containing neural networks: Experiences and suggestions

Speaker

Tomasz Procter

5:30 PM

Wed, October 16

1:30 PM

Workshop on taus and dark sectors

Session | **Location:** KEK, Kobayashi Hall | **Conveners:** Laura Zani, Torben Ferber, Emilie Passemar

1:30 - 2:00 PM **State of the art statistics: pyhf**

Speaker

Giordon Stark

2:10 - 2:40 PM **Challenging BSM search with taus**

Speaker

Jure Zupan

2:50 - 3:20 PM **Dark Matter, Baryogenesis, & Naturalness at Belle II**

Speaker

Robert McGehee

3:30 - 4:00 PM **Coffee break**

4:00 - 4:30 PM **Lepton Flavour Violation at Belle II**

Speaker

Marco Ardu

4:40 - 5:10 PM **Efficient reinterpretation with model agnostic likelihoods**

Speaker

Lorenz Ennio Gaertner

5:20 - 5:50 PM **Global view on DS searches**

Speaker

Anke Biekötter

6:00 PM

Thu, October 17

1:25 PM

Workshop on taus and dark sectors

Session | **Location:** KEK, Kobayashi Hall | **Conveners:** Torben Ferber, Laura Zani, Emilie Passemar

1:30 - 2:00 PM

Testing SM through precise measurements - summary and panel discussion

Speaker

Emilie Passemar

2:10 - 2:40 PM

non-vanilla dark sector- summary and panel discussion

Speaker

Gordan Krnjaic

2:50 - 3:20 PM

Coffee break

3:20 - 3:50 PM

Beyond SM searches with taus -summary and panel discussion

Speaker

Olcyr Sumensari

4:00 - 4:30 PM

Statistical analysis, interpretation and recasting - summary and panel discussion

Speaker

Torben Ferber

5:00 PM