

Session Program

27 September 2021 to 1 October 2021

The 16th International Workshop on Tau Lepton Physics (TAU2021) (Virtual Edition)

Session 2a: Test of fundamental symmetries with tau lepton

Indiana University, Virtual

Sunday 26 September

10:35

Session 2a: Test of fundamental symmetries with tau lepton

Session | Location: Indiana University, Virtual | Convener: Swagato Banerjee

10:35–11:00 **Breaking of Standard Model symmetries with the tau lepton**

Speaker
Jorge Portoles

11:00–11:25 **Lepton Flavor Violation Searches at ATLAS and CMS**

Speaker
Luca Fiorini

11:25–11:45 **Tests of Relativity in the Tau Sector**

Speaker
Dr Brett Altschul

11:45

12:20

Session 2a: Test of fundamental symmetries with tau lepton

Session | Location: Indiana University, Virtual | Convener: Bertrand Echenard

12:20–12:45 **Charged Lepton Flavor violation at the EIC**

Speaker
Dr Emanuele Mereghetti

12:45–13:05

Lepton-flavour violation in hadronic tau decays and $\mu \rightarrow \tau$ conversion in nuclei

Speaker
Kevin Monsalvez Pozo

13:05–13:25 **Charged-lepton-flavor violation from Lorentz violation**

Speaker
Dr Nathaniel Lawrence Sherrill

13:25

13:40

Session 2a: Test of fundamental symmetries with tau lepton

Session | Location: Indiana University, Virtual | Convener: Alexey Petrov

13:40–14:00 **$\tau \rightarrow \mu\mu\mu$ at a rate of one out of 10^{14} tau decays?**

Speaker
Patrick Blackstone

14:00–14:20 **Search for lepton flavor violation in $Y(3S) \rightarrow e\mu$ at BABAR**

Speaker
Nafisa Tasneem

14:20–14:40 **Searches for new physics with leptons using the ATLAS detector**

Speaker
Matteo Franchini

14:40-15:00

Precision tau physics: Challenge for Theory, on & off the lattice

Speaker

Amarjit Soni

15:00