

# Welcome to TAU2021!

30 Years of Tau International Workshops  
The 16th International Workshop on Tau Lepton Physics

## TAU 2021

(Virtual edition)

Indiana University, Bloomington, USA

September 27, 2021 - October 1, 2021



Contact: [tau2021@indiana.edu](mailto:tau2021@indiana.edu)  
Slack Channel: [tau21.slack.com](https://tau21.slack.com)





## SCIENTIFIC PROGRAM

Hadronic decays

CP and T violation

CKM matrix and Flavour Mixing

Rare decays

Precision SM tests

CPT and Quantum Mechanics

Lepton universality and flavour violation

Anomalous Magnetic Moment of the muon

Neutrino Physics

Chiral perturbation theory

Physics beyond the Standard Model

Future opportunities in Tau Physics



# Dedication

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- **Olga Igonkina (1973 – 2019)**



Senior Researcher at Nikhef, and professor by extraordinary appointment at Radboud University Nijmegen.

She joined the ATLAS collaboration in 2006 and was a key member, pursuing her research with enthusiasm and passion.

**She organized the 15th International Workshop on Tau Lepton Physics in Amsterdam in 2018.**

She was a dedicated scientist, teacher and mentor, and is greatly missed by colleagues, friends and all who knew her.

# Dedication

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- **Simon Eydelman (1948 – 2021)**



- Chief researcher of the Budker Institute of Nuclear Physics and of the faculty at the Physics Department of Novosibirsk State University
- Honored for his early ground breaking work on electron-positron colliders, and his later work with the CMD-2 and CMD-3 groups at Novosibirsk, Belle and Belle-2 in Japan, and LHCb at CERN.

- Among the pioneers for evaluating the HVP contribution to the  $g-2$  of the muon, based on measurements at  $e^+e^-$  colliders.
- For many years Simon was an active member of the Particle Data Group.
- He was a member of the International Advisory Committee of the TAU Workshop Series, organized many conferences: Tau, Phi to Psi, Charm
- Was training and Incredible supportive with young people



# Dedication

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# Program

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## Program

- Monday : tau properties and Tau fundamental symmetries: LFV
- Tuesday : LFV and test of LFU with Tau and muon
- Wednesday : Hadronic Tau decays, neutrino session, collider and radiative corrections
- Thursday : Neutrino and  $g-2$
- Friday : Future experiments, Poster Session,

Most talks are 15 min plus few minutes for questions.

Please respect times - the agenda is very very full !

Try to upload your slides in advance or send them to us

We will record the talks to allow people who can't attend in real time to watch them online. If you do not want to have your talk recorded please contact us



# For Attendees

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During the talks

- Turn off your camera (don't waste bandwidth)
- Mute your microphone
- Once the talk ends, raise your hand to ask questions and comments
- Once the Chair allows you to speak, unmute yourself and intervene.

Mute yourself to listen to the answer.

# Speakers

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- Be prepared to share your presentation
- Please train to share the presentation using Zoom.
- Turn off notifications on your computer!
- You can keep your camera on, but it is entirely your choice



# Parallel sessions

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- Wednesday afternoon EST and Thursday morning EST and Friday morning for poster session
- Join from the main Zoom room
- From there you can move to any breakout room, parallel session
- You can change breakout room freely
- During coffee breaks the Zoom room(s) will remain open

# Discussion

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- Slack Channel: [tau21.slack.com](https://tau21.slack.com)
- Contact us if needed: [tau2021@indiana.edu](mailto:tau2021@indiana.edu)

Looking forward to a productive conference and seeing your results!