

**Session Program**

**27 September 2021 to 1 October 2021**

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

***Session 6:  $g-2$***

Indiana University, Virtual

# Wednesday 29 September

10:00

## Session 6: g-2

**Session** | **Location:** Indiana University, Virtual | **Convener:** Massimo Passera

10:00–10:25 **First Result from the New Muon g-2 Experiment at Fermilab**

**Speaker**

James Stapleton

10:25–10:50 **Theory overview**

**Speaker**

Gilberto Colangelo

10:50–11:15

**HVP contributions to the muon's anomalous magnetic moment from lattice QCD**

**Speaker**

Aida El-Khadra

11:15–11:35 **Measuring hadronic corrections to the muon g-2 at BESIII**

**Speakers**

Achim Denig, Achim Denig

11:35

11:50

## Session 6: g-2

**Session** | **Location:** Indiana University, Virtual | **Convener:** Rafael Escribano

11:50–12:10 **The pseudoscalar poles contributions to the muon g-2**

**Speaker**

Pablo Sanchez Puertas

12:10–12:30 **A dispersive estimate of the  $f_0(980)$  contribution to g-2**

**Speaker**

Igor Danilkin

12:30–12:50 **Two-photon physics at KLOE-2**

**Speaker**

Dario Moricciani

12:50

13:20

## Session 6: g-2

**Session** | **Location:** Indiana University, Virtual | **Convener:** Harvey Meyer

13:20–13:40 **Calculating HLbL on the Lattice**

**Speaker**

Christoph Lehner

13:40–14:00 **HLbL in muon g-2 at large loop momenta**

**Speaker**

Antonio RODRIGUEZ SANCHEZ

14:00-14:20

**Two-pion contribution to hadronic vacuum polarization**

**Speaker**

Peter Stoffer

14:20-14:40

**New  $\tau$ -based evaluation of the hadronic contribution to the vacuum polarization piece of the muon anomalous magnetic moment**

**Speaker**

Jesus Alejandro Miranda Hernandez

14:40

14:55

**Session 6: g-2**

**Session** | **Location:** Indiana University, Virtual | **Convener:** Johan Bijnens

14:55-15:15

**Perturbative heavy quark contributions to the anomalous magnetic moment of the muon**

**Speaker**

Philip David Kennedy

15:15-15:35

**A continuum determination of the strong isospin-breaking contribution to the muon anomalous magnetic moment**

**Speaker**

Kim Maltman

15:35-15:55

**Probing New Physics with the leptonic g-2**

**Speaker**

Paride Paradisi

15:55-16:15

**Probing violation of CP & T invariance**

**Speaker**

Ikaros Bigi

16:15