

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:** Rafel 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 τ -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