

JSF Julian Schwinger Foundation

SchwingerFest2018: $g-2$

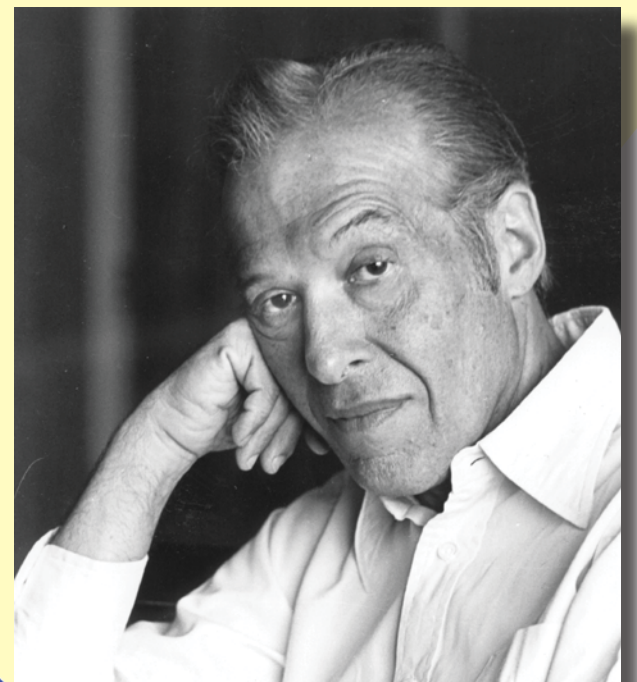
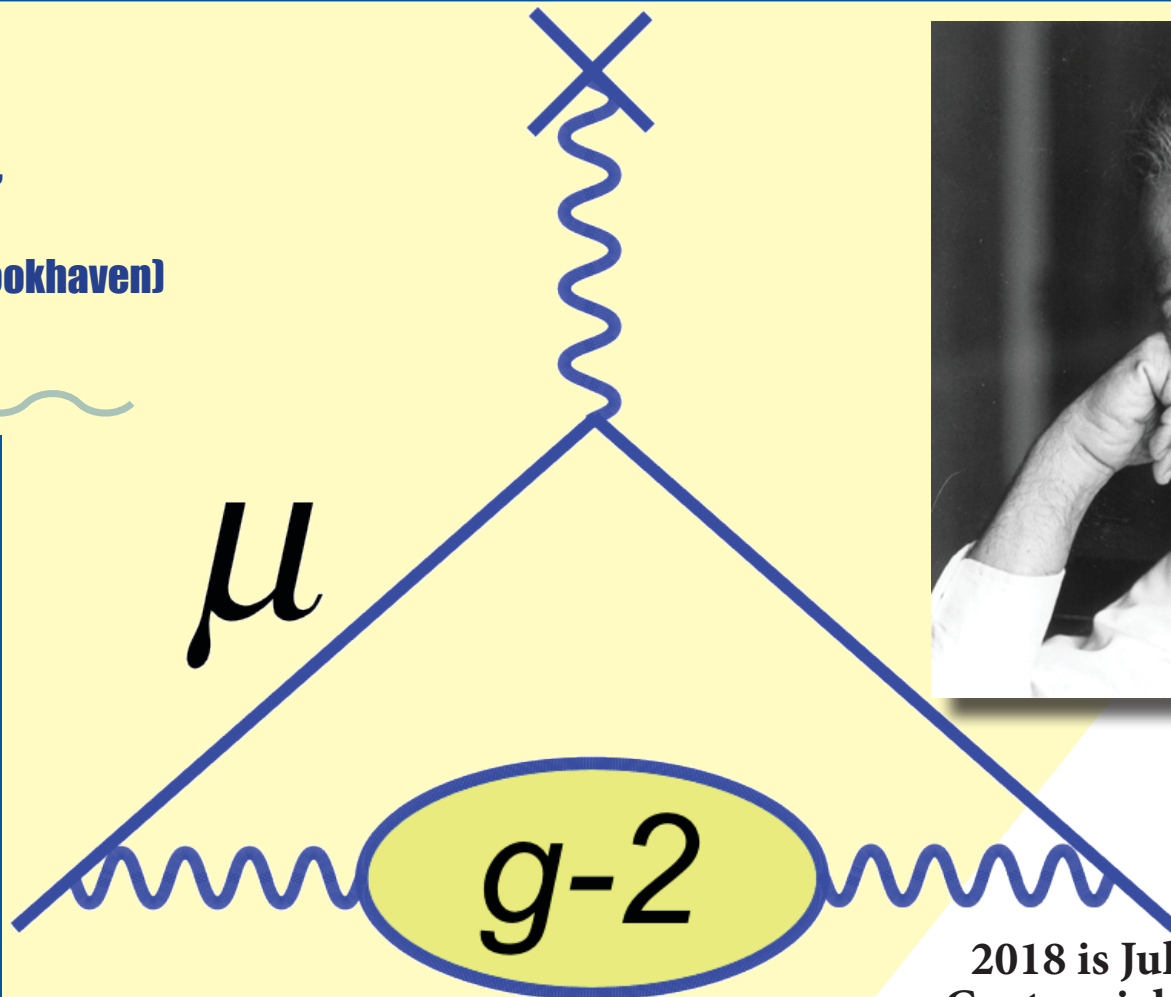
December 3rd, 4th, and 5th, 2018
California Room, UCLA Faculty Center

Organizers:

Zvi Bern (UCLA),
Thomas Blum (UConn),
Lance Dixon (SLAC),
William Marciano (Brookhaven)

Speakers:

Mattia Bruno
Andrzej Czarnecki
Christine Davies
Hooman Davoudiasl
Aida El-Khadra
Gerald Gabrielse
Antoine Gérardin
Davide Giusti
Vera Gupters
Luchang Jin
David Kawall
Alex Keshavarzi
Christoph Lehner
Bill Marciano
Marina Marinkovic
Aaron Meyer
Tsutomu Mibe
Kim Milton
Kotaroh Miura
Holger Muller
Makiko Nio
Lee Roberts
Oliver Schnetz
Dominik Stockinger
Peter Stoffer
Hartmut Wittig



2018 is Julian Schwinger's Centennial.

To help celebrate Julian Schwinger's legacy, the Mani L. Bhaumik Institute will be holding a workshop on the latest developments on the anomalous magnetic moment of leptons, especially the muon. A long-standing 3 sigma discrepancy between theory and experiment points towards new physics beyond the Standard Model. Is it real? This workshop is particularly timely given the ongoing Fermilab muon $g-2$ experiment, which will reach unprecedented precision. In order to fully interpret the upcoming experimental results, it is essential to improve the theoretical uncertainty in difficult to compute hadronic contributions, especially to the light-by-light contribution. Recent progress in lattice gauge theory calculations suggests such improvements can be achieved. The primary purpose of this workshop is to bring together leading experts to assess the situation and to identify paths towards new breakthroughs.

For further information about Schwingerfest 2018: $g-2$ please visit the website at:
<http://bhaumik-institute.physics.ucla.edu/workshops2.html>

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UCLA

Mani L. Bhaumik Institute
for Theoretical Physics

