

Session Program

Nov 7 - 11, 2022

DISCRETE 2022

Quark Flavour

Kongresshaus Baden-Baden
Augustaplatz 10, Baden-Baden, Germany Q65R+43 Baden-Baden

Tue, November 8

2:00 PM

Quark Flavour

Session | Location: Kongresssaal 2 | Convener: Chair: Ulrich Nierste

14:00 - 14:15 Measurements of CP violation at Belle II

Speaker
Dr Pablo Goldenzweig

14:15 - 14:30 Recent results about lepton flavor universality violation at LHCb

Speaker
Bo Fang

14:30 - 14:45 B^s -anomalies in a twin Pati-Salam theory of flavour

Speaker
Mario Fernández Navarro

14:45 - 15:00
Recent Belle II results related to lepton universality and flavour violation

Speaker
Marcel Hohmann

15:00 - 15:15 Scalar FCNC and CP violating mixing matrices from the vacuum

Speaker
Miguel Nebot Gomez

15:15 - 15:30
 $B^0 - \bar{B}^0$ entanglement for an ideal experiment for the direct CP violation $\phi_3 = \gamma$ phase

Speaker
Prof. Francisco J. Botella

3:30 PM

4:00 PM

Quark Flavour

Session | Location: Kongresssaal 2 | Convener: Chair: Syuhei Iguro

16:00 - 16:15
Estimating QCD-factorization amplitudes through the SU(3) symmetry

Speaker
Dr Gilberto Tetlalmatzi-Xolocotzi

16:15 - 16:30 Higher-Order Electroweak Contributions to Indirect CP Violation

Speaker
Zachary Polonsky

16:30 - 16:45 Exactly Stable Protons with a Muonic Force

Speaker
Anders Eller Thomsen

16:45 - 17:00 Outer Automorphism Anomalies

5:30 PM

Speaker Tom Melia
17:00 - 17:15 Neutrino masses, flavor anomalies and muon $\boldsymbol{g-2}$ from dark loops Speaker Pablo Escribano

Wed, November 9

5:00 PM

Quark Flavour

Session | **Location:** Kongresssaal 2 | **Convener:** Session Chair: Marco Fedele

17:00 – 17:15

Study of New Physics in $B^0_q - \bar{B}^0_q$ Mixing: Challenges, Prospects and Implications for Leptonic Decays

Speaker

Eleftheria Malami

17:15 – 17:30

B mesons lifetimes within the HQE

Speaker

Maria Laura Piscopo

5:30 PM