



Lecture Course in the Integrated Research Training Group (IRTG)  
of the SFB 676 "Particles, Strings and the Early Universe"

Summer Term 2018

## Workshop Seminar FLAVOUR

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K. Schmidt-Hoberg, and A. Westphal**

### Description:

- (1) April 17: The Flavour structure in the SM, the GIM mechanism, CP and FCNCs probes of BSM, **Riccardo Nagar**
- (2) April 24: Building models of Flavour: Which symmetries? Minimal Flavour Violation, **Jim Talbert**
- (3) May 8: Models of flavour: Froggatt–Nielsen, **Felix Giese**
- (4) May 15: Meson mixing and CP asymmetries, relevant experiments and their sensitivity, **Ayan Paul**
- (5) May 22: Models of flavour: Composite Higgs and Randall–Sundrum, **Benedict Von Harling**
- (6) May 29: Anomalies in  $B \rightarrow K^* \mu \mu$  (lepton flavour universality violation and angular observables) and model interpretations, **Jakob Moritz**
- (7) June 5: Anomalies continued:  $B \rightarrow D^* \tau \nu$  and model interpretations, **Gauthier Durieux**
- (8) June 12: "Minestrone": Flavour cosmology, varying Yukawas, Top flavour, Flavoured DM, **Iason Baldes**
- (9) June 26: Leptogenesis status, **Frederick Depta**
- (10) News on neutrino front, NA62 ( $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ ), **Wolfgang Hollick**
- (11) July 10: Future prospects in neutrino physics/cosmology, **Camilo Garcia Cely**

**Date and Place:** Tue, 11:00 – 12:30, SR 2, Building 2a, Bahrenfeld

**Starting on:** 17 April 2018