

Flavour and Dark Matter

Monday, September 25, 2017 - Thursday, September 28, 2017

Physikalisches Institut, Universität Heidelberg

Scientific Program

The goal of the workshop is the exploration of the potential of modern flavour experiments to study the parameter spaces of theories for the dark sector. The main topics are

- sterile neutrinos in decays of leptons and mesons
- axion-like particles
- dark photons and Z' models
- flavoured theories of the dark sector

We will discuss novel theory developments as well as experimental signatures and techniques:

- decays of quarkonia, B,D,K mesons, and tau, mu leptons into final states with missing energy
- virtual effects in FCNC amplitudes