Contribution ID: 31

Sensitivity studies of rare B+ -> K+ tau+ tau- decays at Belle II

The Standard Model (SM) of particle physics describes elementary particles and their interactions, but may be an effective theory incorporated into a more general framework at higher energies. Searching for physics beyond the SM is a key goal, pursued through direct high-energy searches and precision indirect measurements.

The Belle II experiment, situated at KEK, Japan, probes the SM by analysing meson and lepton decays from electron-positron collisions at 10.58 GeV energy, focusing on indirect search of non-SM physics. One such decay, $(B^+ \log A_+ \log A$

Group

FH-BELLE

Project Category

B1. Physics data analysis and performance (software-oriented)

Special Qualifications

DESY Site

Hamburg

Primary author: ROUT, Niharika (BELLE (BELLE Gruppe)) Presenter: ROUT, Niharika (BELLE (BELLE Gruppe))