Contribution ID: **13** Type: **Talk**

【356】Machine Learning in b -> s ll

Thursday 12 September 2024 15:15 (15 minutes)

Short-distance (SD) effects in b⟶ s ll transitions can give large corrections to the SM prediction. They can however not be computed from first principles. In my talk I will present a neural network, that takes such SD effects into account, when inferring the Wilson coefficients C9 and C10 from b⟶ s ll angular observables. The model is based on likelihood-free inference and allows to put stronger bounds on new phyiscs scenarios than conventional global fits.

Author: AEBISCHER, Jason (University of Zurich)

Presenter: AEBISCHER, Jason (University of Zurich)

Session Classification: Nuclear, Particle- & Astrophysics (TASK)

Track Classification: Nuclear, Particle- and Astrophysics (TASK)