Contribution ID: **206**   Type: **Talk (preferred)**

B Meson Flavour Tagging via Quantum Machine Learning

Monday 12 December 2022 17:00 (15 minutes)

We investigate employing quantum machine learning algorithms for B meson flavour tagging, an important component of the experiments at Belle-II which study heavy quark mixing, CP violation and the matter-antimatter asymmetry of the universe.

Author: WEST, Maxwell

Co-authors: Prof. SEVIOR, Martin (The University of Melbourne); Dr USMAN, Muhammad (The University of Melbourne)

Presenter: WEST, Maxwell

Session Classification: AIP: Nuclear and Particle Physics

Track Classification: AIP Congress: AIP: Nuclear and Particle Physics