

## Machine Learning Flavour Tagging for Future Higgs Factories

*Thursday, 12 October 2023 15:00 (20 minutes)*

Efficient heavy flavour tagging is essential for reaching the physics goals at future e+e- collider-experiments, like for example the precise measurement of Higgs boson properties in the decay channels to bottom or charm quarks.

In this talk the application of the CMS DeepJet tagger to the ILD detector concept for the ILC is presented. The performance of the tagger is compared to the current state-of-the-art in ILD. Moreover, the integration in Key4hep is discussed.

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**Session Classification:** Parallel - WG2