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# Unbinned multivariate observables for global SMEFT analyses from machine learning

Global determinations of the Wilson coefficients of the Standard Model Effective Field Theory (SMEFT) involve the inference of multiple parameters from a global dataset, and are often based on reinterpreting existing binned LHC measurements within the SMEFT framework. Based on our recently developed open-source framework, ML4EFT, we propose a new methodology that can be adopted by experiments in order to present to the community unbinned measurements that are optimised for global SMEFT fits.

## Presentation will be

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