



Contribution ID: 44

Type: EFT Session

geoSMEFT and applications

We develop the geometric formulation of the Standard Model Effective Field Theory (SMEFT). Using this approach we derive all-orders results in the vev expansion relevant for studies of electroweak precision and Higgs data, as reported in <https://arxiv.org/pdf/2001.01453.pdf>. Then using this formalism we report the first exact formalism to sub-leading order in the vev expansion as applied to Higgs data as reported in <https://arxiv.org/abs/2007.00565>.

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