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## An Introduction to SMEFT

*Wednesday 10 January 2018 14:40 (10 minutes)*

In this talk I will discuss the Standard Model Effective Field Theory (SMEFT), a very general model to describe the interaction of the Standard Model with fields at masses far higher than those of the SM. I will discuss the necessity for, and techniques of using dimension-6 operators to compute decay rates and cross sections at next-to-leading order (NLO) and the phenomenological applications of such calculations.

### **What would be the preferred length of your talk?**

10 minutes + questions

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**Session Classification:** Session I