

## Global view on DS searches

*Wednesday, 16 October 2024 17:20 (30 minutes)*

Effective field theory (EFT) provides a model-agnostic way to describe new physics and, in particular, dark sectors. In this talk, we will discuss how and where Belle II contributes crucial constraints on effective theories with light new (pseudo-) scalars. When analyzing the effects of these new physics theories, it is important to take into account all their possible interactions. We will discuss how global analyses of the couplings of new particles provide useful insights into the allowed parameter space and pinpoint yet untested regions.

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**Session Classification:** Workshop on taus and dark sectors