

## Denoising a data spectrum

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Many of the searches for new physics consist in a bump hunt on invariant mass spectrum. In the cases for which the turn-on region may contain signal the usual fit methods do not apply.

This talk presents the first ingredients towards a fitting method, based on DNN, that would allow to fit the entire spectrum, from the turn-on to the tail.

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**Classification de thématique:** ML for analysis : Application of Machine Learning to analysis, event classification and fundamental parameters inference