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Type: **Session: Dark Matter and Beyond Standard Model Searches**

Jet tagging at the LHC with Machine Learning

Friday 27 November 2020 10:30 (1 hour)

Jet tagging is one of the tasks in High Energy Physics which can profit the most from data-driven and Machine Learning methods. In this talk I will start by reviewing the approaches that exist in the literature and the state-of-the-art of the field. Afterwards, I will show an illustrative example where an efficient tagger for Beyond Standard Model searches at the LHC can be built out of a very simple Machine Learning model.

Authors: Mr ZALDIVAR, Bryan (IFT Madrid); Dr AGUILAR-SAAVEDRA, Juan Antonio (Universidad de Granada)

Presenter: Mr ZALDIVAR, Bryan (IFT Madrid)

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