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Machine Learning methods in Borexino Experiment

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The Borexino detector is a liquid scintillator detector located in the Laboratori Nazionali del Gran Sasso (LNGS), in the mountains of central Italy, aiming to measure the low-energy solar neutrinos. It is equipped with nominally 2212 photomultpliers (PMTs), detecting the arrival time of the light produced by the events. In this talk we study the pulse shape discrimination and vertex reconstruction with the machine learning method based on Borexino data.

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Session Classification: Talks