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PCA for Muons: why and how

Friday, 6 September 2024 12:20 (25 minutes)

I will give an accessible introduction to unsupervised machine learning and dimensionality reduction, analysing the role they can play in condensed matter physics research. I will then focus on principal component analysis (PCA) as a particularly simple and effective way to achieve this and explain, in practical terms, how one can deploy this technique for the analysis of muon spectroscopy data.

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Session Classification: Science Session

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