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## Deep Learning and the challenges of High-Luminosity LHC

*Wednesday, 22 August 2018 14:30 (30 minutes)*

In this talk, I review some of the big challenges that will come with High-Luminosity LHC and how Deep Learning could be used as a paradigm-shift solution to face such a challenge. Reviewing existing proof-of-principle studies, I will discuss how the usage of Deep Learning solutions could alleviate the task of collecting, processing, monitoring and analysing the large datasets that the LHC will deliver.

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