

Machine Learning Project Development in Particle Accelerators: A Business Perspective

Thursday 3 November 2022 16:15 (1 hour)

This seminar will take place in the Fisher Room, Denys Wilkinson Building, University of Oxford, and will also be available via Zoom.

Machine Learning, Artificial Intelligence and Data Science are finding applications in particle accelerators. Although most of these applications are being developed in a research environment, they can translate to medical and industrial particle accelerators. In this presentation, we will firstly discuss how the lessons learned in the research environment and scientific mindset can be taken to the entrepreneurial world. Secondly, we will discuss the differences between Machine Learning project development in academia and business. Finally, we will also explore in detail the main uses of Machine Learning in particle accelerators and we will explore how these can be applied to medical and industrial accelerators.

Presenter: Dr GARCIA MORALES, Hector (Co-founder and Co-CEO of PickleTech)