

## **Tuesday 5 November**

09:00

## **Prospects on Tensor Networks and Machine Learning** Session | Location: CERN, 4/3-006 - TH Conference Room 09:00-09:45 Tensor network algorithms for HEP quantum simulation Speaker Simone Montangero 09:45-10:05 Optimising Tree Tensor Networks for classification on hardware accelerators Speaker Alberto Coppi 10:05-10:25 Tree Tensor Network implementation on FPGA Speaker Lorenzo Borella 10:30-11:00 Morning coffee 11:00-12:00 Provable exponential quantum advantages in learning from physics data Speaker Vedran Dunjko 12:00-13:00 Discussion: Using Tensor Networks to Enhance QML Algorithms 13:20

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