Contribution ID: **5**   Type: **not specified**

Top tagging with Tensor network

Monday 19 May 2025 18:00 (15 minutes)

Tensor Networks, originally developed for quantum many-body systems, offer powerful representations of high-dimensional data. When applied to discriminate top quark signals from QCD backgrounds, the entanglement entropy of the tensor network model can give us insight into the correlations it has learned. Moreover, our study shows tensor network model is more resilient to detector effects and pile-up.

Mini Symposia (Invited Talks Only)

Plenary (Invited talks only)

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Session Classification: Electroweak

Track Classification: Electroweak, Higgs, and Top Quark Physics