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Particle Physics at LPTHE

Mercredi 13 Décembre 2023, 14 :00
LPTHE, library
Domaines : hep-ph

Titre : *Quantum Entanglement at the energy frontier*

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Résumé : *Quantum entanglement has been probed in several low-energy experiments with electrons and photons. Which is then the motivation to study it with heavy particles, such as top quarks and W/Z bosons ? Not only to extend tests to the energy frontier, but also to perform tests that could not be done elsewhere : those involving entanglement and particle decay. Entanglement tests also provide several useful by-products that I will discuss.*
