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Detectors for Superboosted Higgs Bosons at Future Circular Colliders

We study detector performance of Higgs boson identification variables at very high energy proton colliders. We study Higgs bosons decaying to bottom quarks with transverse momentum in the multi-TeV range. Detectors are benchmarked in various configurations in order to understand the impact of granularity and resolution on boosted Higgs boson discrimination.

Summary

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