

## Toponium at the LHC

*Wednesday, 18 February 2026 17:00 (20 minutes)*

We review the signature of toponium formation at the LHC. A color-singlet bound state effect at the threshold region is included in the MonteCarlo simulation. The top pair dileptonic decay final states distributions shows distinctive signature in the small dilepton correlation region. We also discuss the potential effects of P wave contribution.

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**Session Classification:** parallel session A: EW/Theory