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**Validation of the Tau Lepton Identification using the CMS Detector at Large Hadron Collider** ANGELA MAROTTA, TERUKI KAMON, ROY MONTALVO, ALFREDO GURROLA, Texas A&M University — With the successful operation of the Large Hadron Collider (LHC) in November and December 2009, the Compact Solenoid Muon (CMS) collaboration is preparing for the 7 TeV collisions expected early this year. The Texas A&M CMS group has been working on validation of the CMS tau-lepton identification code in aiming at search for cosmologically consistent collider signals. We describe the validation program that we have designed.

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