

Abstract Submitted
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CMS Computing at TTU and the Search for New Physics at the LHC VANALET RUSURIYE¹, SUNG-WON LEE², ALAN SILL³, CHIYOUNG JEONG⁴, Texas Tech University High Energy Physics — With the success of the first circulation of proton beams on the Large Hadron Collider (LHC) at CERN on September 10th, the world's largest particle accelerator, LHC, is on track to explore the nature of our universe. This presentation will focus on the LHC-CMS computing efforts being made to prepare for CMS physics analysis, simulation, and commissioning at Texas Tech University. Currently, TTU operates a CMS Tier-3 center that is fully capable of being used for the full range of CMS Projects. Various TTU-Tier-3 activities (data transfer, processing, storage) will be discussed, including the development of remote Data quality Monitoring System. We will also present preliminary results on the search for the Standard Model Higgs boson through the Weak Boson Fusion process, on the basis of Monte Carlo data.

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