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A Method for Storing Monte Carlo Cross Section Information in the CMS Experiment SHAWN ZALESKI, Wayne State University, CMS COLLABORATION — The Compact Muon Solenoid (CMS) experiment generators group has created a Cross Section Database (XSDB) Tool to store information related to its centrally produced Monte Carlo (MC) samples. XSDB utilizes a non-relational database back-end to store the MC sample information and FLASK web development software for the front-end user interface. Users within the CMS community now have the ability to easily search for cross section information related to a sample of interest from amongst thousands of centrally produced MC samples. In this talk, we explain the use of XSDB and how its features make searching for MC cross section information in CMS simple and easy.

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