Contribution ID: **222** Type: **oral presentation**

The High-Level Trigger at the CMS experiment

Monday, September 3, 2007 5:40 PM (15 minutes)

The High Level Trigger (HLT) that runs in the 1000 dual-CPU box Filter Farm of the CMS experiment is a set of sophisticated software tools for selecting a very small fraction of interesting events in real time. The coherent tuning of these algorithms to accommodate multiple physics channels is a key issue for CMS, one that literally defines the reach of the experiment's physics program. In this presentation we will discuss studies of the performance of the HLT algorithms for preliminary versions of integrated Trigger Menus.

Submitted on behalf of Collaboration (ex, BaBar, ATLAS)

CMS

Primary author: Dr LEONIDOPOULOS, Christos (CERN)

Presenter: APANASEVICH, Leonard (University of Chicago at Illinois)

Session Classification: Online computing

Track Classification: Online Computing