



PHYSICS AND ASTRONOMY SEMINAR

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“Data Preservation in High Energy Physics”

Abstract

Data from high energy physics (HEP) experiments are collected with significant financial and human effort and are mostly unique. These data remain useful for decades after the conclusion of the individual experiments: for example LEP data was used to establish exclusion limits for the Higgs boson just before the discovery at the LHC. Currently use of old HEP data requires direct involvement of physicists who gathered the data. The goal of the DPHEP Collaboration is to facilitate the use of HEP data after the conclusion of the experiments by archiving the data, software, computing environment and know-how of the experiments. Using ongoing work on the LEP data as an example I will discuss the current state and future plans of the data preservation effort.

Tuesday, September 15, 2015

1:30 – 3:00pm

Elliott Building

Room 160