Contribution ID: **485** Type: **Poster**

Many-core experience with HEP software at CERN openlab

Tuesday, May 22, 2012 1:30 PM (4h 45m)

The continued progression of Moore's law has led to many-core platforms becoming easily accessible commodity equipment. New opportunities that arose from this change have also brought new challenges: harnessing the raw potential of computation of such a platform is not always a straightforward task. This paper describes practical experience coming out of the work with many-core systems at CERN openlab and the observed differences with respect to their predecessors. We provide the latest results for a set of parallelized HEP benchmarks running on several classes of many-core platforms.

Primary authors: Dr LAZZARO, Alfio (CERN openlab); NOWAK, Andrzej (CERN openlab); LEDUC, Julien (CERN openlab); Mr JARP, Sverre (CERN openlab)

Presenter: NOWAK, Andrzej (CERN openlab)

Session Classification: Poster Session

Track Classification: Computer Facilities, Production Grids and Networking (track 4)