

GooFit: A GPU interface for MINUIT

Tuesday, 12 March 2013 18:10 (20 minutes)

The GooFit framework is a tool for parallelising the evaluation of arbitrary PDFs. By exploiting the massive parallelism of nVidia GPUs, speedup factors of 2-300 can be achieved for real-world physics problems.

Primary author: ANDREASSEN, Rolf (University of Cincinnati (US))

Co-authors: MEADOWS, Brian (University of Cincinnati (US)); Dr TOMKO, Karen (Ohio Supercomputer Center); SOKOLOFF, Michael (University of Cincinnati); DE SILVA, Weeraddana (University of Cincinnati (US))

Presenter: ANDREASSEN, Rolf (University of Cincinnati (US))