

DNP08-2008-000310

Abstract for an Invited Paper
for the DNP08 Meeting of
the American Physical Society

Opportunities for Nuclear Physics to benefit from Grid Computing

FRANK WUERTHWEIN, UCSD

Over the last few years, large globally distributed compute and storage infrastructures have emerged. These “grid infrastructures” are ideally suited for high throughput computing, and are used in a variety of scientific domains, especially experimental particle physics. I will discuss the Open Science Grid infrastructure, and how it is used, by giving successful examples, some of which are taken from Nuclear Physics. This will provide an introduction to the technology, as well as the services available to adopt legacy applications to the grid.