

BTeV Interest in GRIDs

- BTeV: challenge & confront the SM description of CP Violation
 - Petascale Experiment: *Petabytes* of data/year, *PetaFLOPS* CPU
 - Geographically distributed researchers: Asia, Europe, US...
 - Need GRID technology to maximize quality and rate of discovery
 - Anticipate significant university compute resources (likely shared)
- Unique Requirements
 - Dynamic reallocation of grid resources: blur the line between offline/online
 - Won't use tape: secure widely-distributed disk based data store
- Joined iVDGL, participating in Grid2003 project
 - Vanderbilt node on Grid2003 grid
 - BTeV MC application, full data provenance w/ Chimera
 - VDT Testers
- BTeV Grid Testbed and Working Group
 - International: Milan as well as US groups
 - Forming now

