# JIM Status, Deployment, and Plan

Lee Lueking
Gabriele Garzoglio

# Current Status

- JIM v1 package with Condor-g and Globus gatekeeper (v2.0) is available and tested
- Needed site components for JIM
  - Working SAM installation
  - New sam_batch_adapter product
  - Gateway node to run globus gatekeeper and condor grid-sensors.
- Integration with Mcrunjob in testing, and with CAF very close to working.

# Current Status: Deployment

- CAB (D0): Can run jobs submitted through JIM. Limited by *sandbox* size and configuration on gateway node available for user tarballs.
- GridKa: CDF has nearly operational JIM installation, can do sam submit with new batch adapter. D0 Wuppertal group have submission sites installed at Wuppertal and GridKa. Working to enable as execution sites.
- IC + RAL(D0): Submission and execution sites set up, some minor issues remain. RAL has shared gatekeeper (Globus v2.2.4)
- Lancaster(D0): Debugging installation
- Michigan, NIKHEF(D0): Actively working on installation
- Lyon(D0): Will begin installation soon.

# Goals: Initial Deployment

- Provide existing SAM functionality for MC production
  - Well defined users and application
  - Output data from processing stored in sam
  - Interface to mcrunjob ready
- Enable reconstruction
  - Well defined users and application
  - Output data from processing stored in sam
  - still needs interface for JIM
- Target SAM analysis jobs needed for summer physics conferences.
  - Large number of users and diverse applications
  - Output data stored into sam, or accessed at execution site.

# Goals: Longer Term

- Solve returning user data to submission site
- Several dozen execution sites
- Hundreds of submission sites
- Understanding the request broker operation and scheduling details