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Application Porting at the University of Melbourne

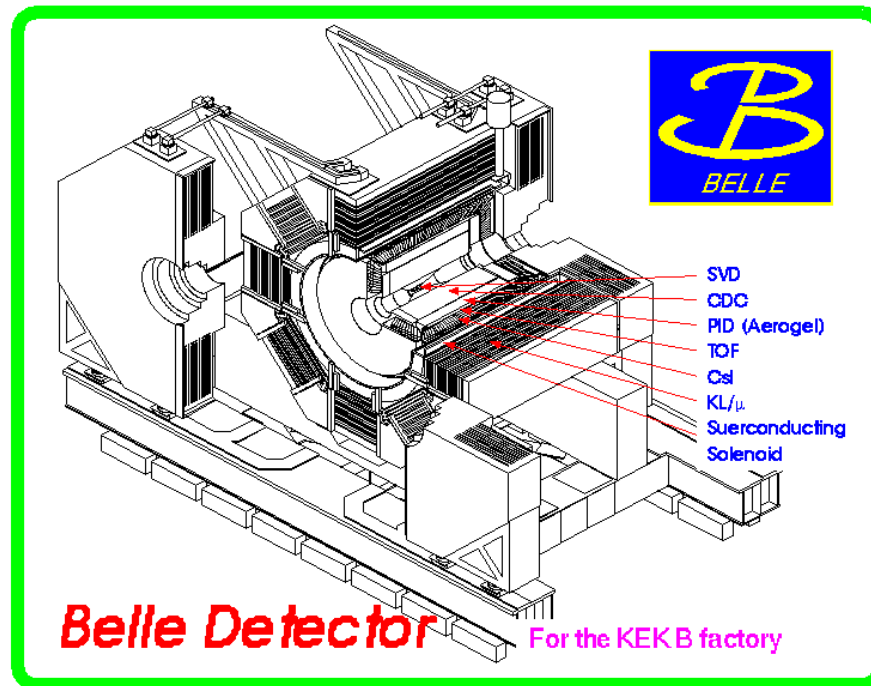


- We're a gLite site initiated to support ATLAS
- We're interested in virtualisation, high-latency networking
- We conduct regular meetings with the eResearch community in Australia
- We're an unfunded EGEE partner





- Studies of CP-violation, rare decays, searches for exotic particles and precision measurements of bottom and charm mesons and tau lepton

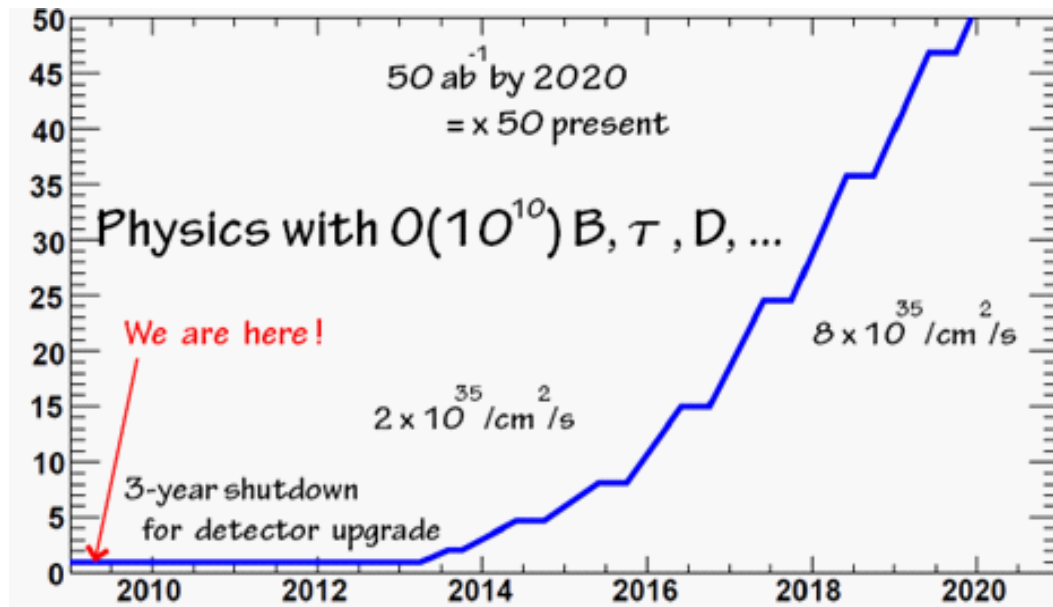




- Traditional user of cluster computing
- Recent influx of international users, who are used to grid
- Aim:
 - Exploit international resources
 - Get participants ready for Belle II
- So far:
 - Monte Carlo production is running
 - User training in gLite
 - Site installation assistance



- The upgrade of the Belle experiment
- Needs more resources than can be provided at KEK → gLite grid solution





- Computing model still in planning stages
- Analysis application exists, but not grid-ready
- Solution for metadata
- Development VO, distributed developers

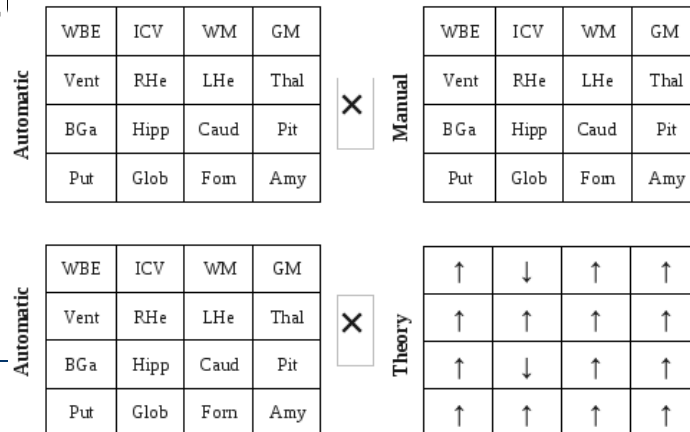


- Psychiatry is the branch of medicine that deals with the diagnosis, treatment, and prevention of mental and emotional disorders.
- The staff at MNC focus on furthering our understanding of neurobiological, psychiatric and psychological factors involved in mental illnesses, through the application of new knowledge acquired from research in a clinical (patient-based) context



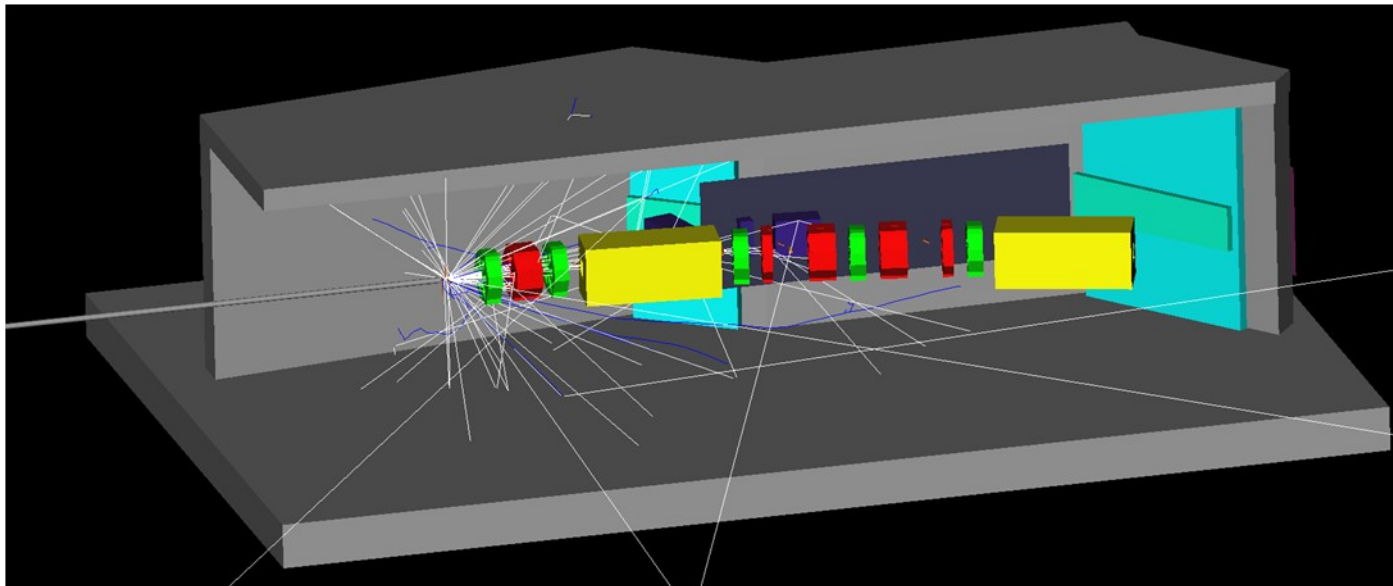


- Working on an automated paradigm for MRI processing
- Existing user of cluster computing, but:
 - Centralised data management is important
 - Aiming for international collaboration
- Started a local VO for testing
- Investigating FGFF hinned VO



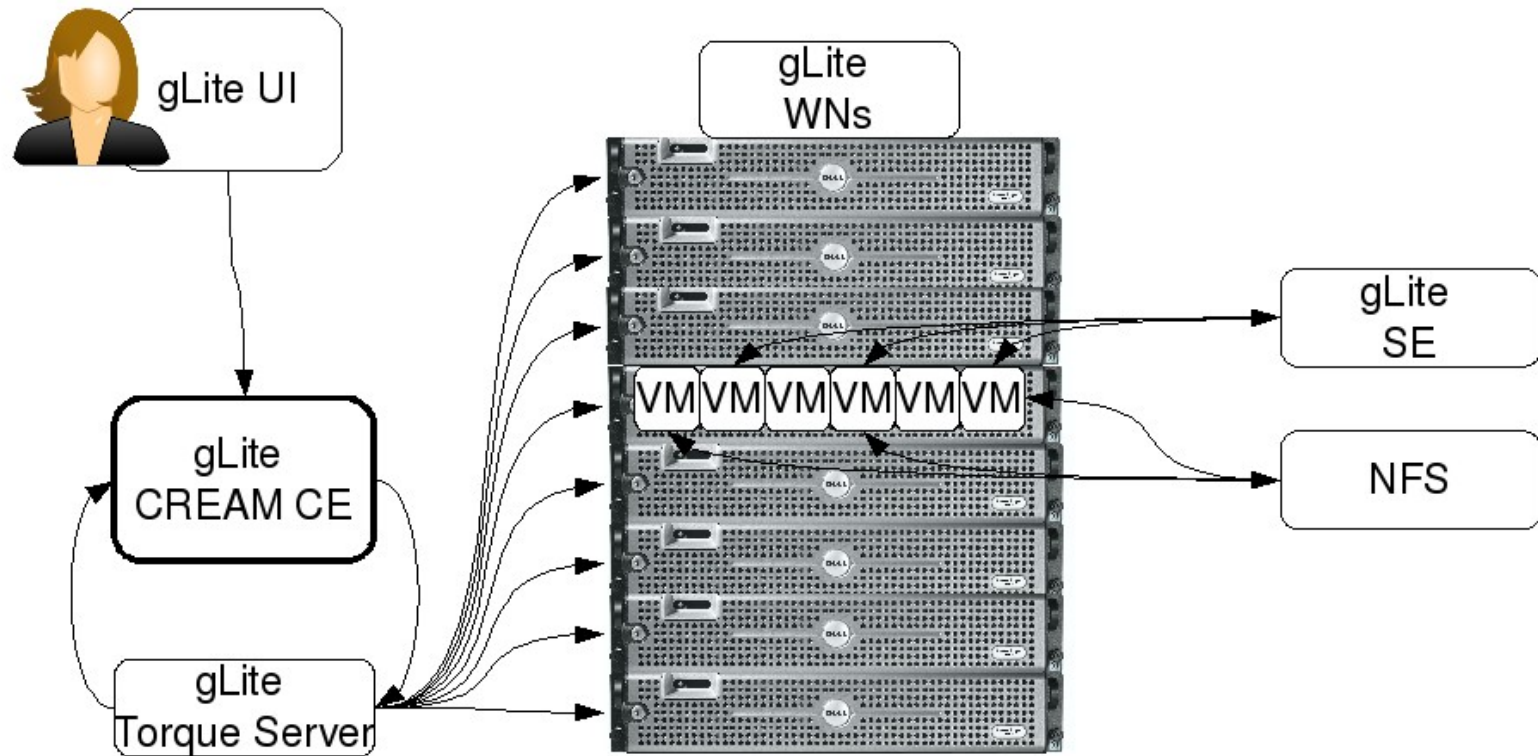


- Machine studies and detector design at the Australian Synchrotron





- New user to grid computing
- Many changing, sometimes environment-choosy applications
- Solution involves virtualisation
 - Able to get up and running within 2 weeweeks!
- Created a local VO and providing some resources





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