

# Status of SuperB Computing in Krakow

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- 1 Polish involvement
  - Ganga and Dirac
  - Tier2 structure
  - PLGrid+
  - GPU computing



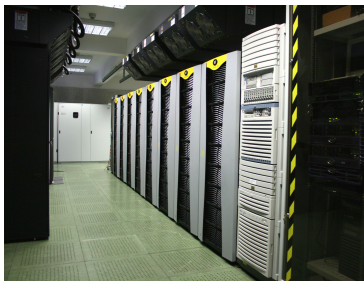
# Ganga and Dirac

- 2 staff members in ifj are working on Dirac development. Could work on putting it in SuperB.
- 2 staff members in ifj would like to do GUI for ganga.
  - 1 <http://insilicolab.grid.cyfronet.pl/>
  - 2 <http://insilicolab.grid.cyfronet.pl/>
- portals are integrated with Dirac



# Tier2 structure

- 1 88th in top500.
- 2 Upgrade to Tier1 foreseen.
- 3 Cracow has a computing center Cyfronet, that is part of Polish Tier2.
- 4 Currently SuperB FastSim is beeing installed in Cracow.
- 5 Very keen on doing central production (if Tier2 is enought).
- 6 People able to do shifts in central production.



# PLGrid+

- New initiative
- Parallel to normal grid, but you have more freedom. Don't need support from VO.
- Synchronising with data available in VO.
- Constraint: you need to ask for computing grant (from my experience it takes 5 min to fill the form).
- They ask for acknowledgments in published papers.



# GPU computing

- 1 Write a Kalman filter using CUDA. First tests for the IFR. Possibility to be used in others detectors.
- 2 Study possibility of using FastSim and FullSim on GPU.

