

# PACRAT Status

David Brown, Igor Gaponenko, Jordan Carlson,  
Jeff Anderson LBNL  
Gabriele Simi Maryland

# PacTrk Status

- Configuration consolidation
  - PacBuildEnv
  - pacrat.cfg
- Materials incorporated into PacTrk
  - Read from CDB
  - Used in track reconstruction
- PacDetector class
  - Base class for tracking detector description
- PacTrack class
  - Full information from PacTrk simulation+reco



# PravdaMC Status

- PravdaMC development moved to SVN
- PacTrk Integrated with PravdaMC
- GTrack Interface to PravdaMC
- See slides by G. Simi

# Future Plans

- Simulation of material effects
  - Trajectory scattering, energy loss, particle stopping
- Implement SuperB detector configuration
  - Simulate Svt + Dch (axial + stereo)
- Performance optimization
- Consolidate text-based configuration
  - pacrat.cfg, Babar2005.pl, 'edml' format