

PACRAT Status

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PacTrk Sim Classes

- PacSimTrack
 - GTrack* (generated particle)
 - Trajectory* (true particle path through space)
 - vector<PacSimHit>
- PacSimHit
 - Position
 - Momentum and Δ momentum
 - DetectorElement
 - Effect (normal, stop, interaction, ...)

PravdaMC Status

- PravdaMC updated to PacTrk changes
- PacSimTrack objects created but not saved in the event!
- TrkRecoTrk objects created but not saved in the event!
- tag dnb_28apr2008

Future Plans

- Put PacSimTrack, TrkRecoTrk into event
 - With Map<TrkRecoTrk,PacSimTrack>
 - Requires restructuring PravdaMC
 - Good time to review PravdaMC design?
- Implement 'realistic' detector
- Profile and improve performance
- Decays, Material Interactions, EDML, ...