Things to do:

Reconstruction

- Validate momentum reconstruction for different particle kinds
- Validate momentum reconstruction for different particle hypothesis (kalman)
- Study and improve track correlation (momentum-wise?)
- Forward tracking!

Things to do:

Algorithms

- Completely missing TPC (no dE/dx information)
- Update of MVD parameters (done)
- EMC Bayesian method
- EMC MVA method for electron id
- EMC MVA method for π^0 identification
- MDT Muon identification with MVA
- MDT neutral particle identification
- …

Things to do:

Algorithms

- Evaluate efficiency and purity for each algorithm (standard macro)
- Evaluate perfomances by combining different algorithms (global PID)
- Global MVA analysis
- Influence of Geant3/Geant4
- …

Things we would like to do :

1. Check electron reconstruction (Bea, Gosia, ?):
   - kalman filter (maybe fixed already), studying resolution of mom
   - improvement of correlation between inner tracking and detector
2. Characterize electron identification (MVA for EMC)
   (Gosia, ?)
   - study efficiency, purity of the method (KNN, MLP?)
   - results to be compared with Ronald method
   - check electron identification using infos from all detectors
3. Check/develop muon identification (hard cuts and MVA)
   (Bea, Gosia, ?) -> finalizing with feasibility study for pbarp->mu+mu-
   - correlation improvement (between inner tracking and detector)
4. Separation of gamma and pi0 in EMC (Ronald)
5. Radiative corrections
   - check of PHOTOS (Alaa, Gosia, ?)
   - implementation of Jacques and Saro model (Beatrice, ?)

Everyone is welcome to join us in work :-)

Future meetings:

Analysis: meeting in Torino

20-24 of June : Bea, Gosia, Ronald, ?

Phenomenology: meeting in Torino

- first week of October ? and who ?
- together with Frank (Adamushin, van der Haagen) ?

Money:

- 3000 euro still to spend from PICS
- additional help from group money