

Software tasklist (draft, 16-May-2005)

Purpose of Software tasks

Provide tools for GLD studies

Standardization of tools for a unified and consistent design

Taks list

| Priority | Target date | Work Assign | Joint work with |
|---------------------|-------------|-------------|-----------------|
| Software in general | | | |
| 1 | done | | |
| 1 | June | | |
| 1 | July | | |
| 2 | gradually | | |
| 2 | | | |
| 2 | | | |
| Jupiter (Geant4) | | | |
| 1 | May | ? | |
| 1 | | | |
| 2 | | | CAL |
| 2 | | | ? |
| 2 | | | ? |
| 1 | Summer | | VTX |
| 1 | | ? | MDI |
| 1 | | ? | MDI |
| 1 | | | |
| 2 | allways | | CAL |
| 1 | Summer? | | MDI |

| Satellites | | | | |
|-----------------|---|-----------|---|-----------|
| 3 | Include reconstruction results in LCIO output Prepare standard Reconstruction package. | | | |
| 1 | Hybrid Track fitter | done | | VTX/IT/CT |
| 2 | TPC Track finder | | | CT |
| 2 | IT Track finder | | | IT |
| 2 | VTX Track finder | | | VTX |
| 3 | VTX/IT/Forward Track Finder/Fitter | | | VTX/IT/CT |
| 3 | V0, Kink Finder/Fitter | | | VTX/IT/CT |
| 2 | Vertex finder/Fitter | | | VTX/IT/CT |
| | PFA | | | |
| 1 | Know ultimate performance by cheated PFA | ? | | CAL/CT |
| 1 | Develop Realistic PFA Package for tile/strip tower | June? | | CAL |
| 2 | Develop realistic PFA package for realistic configuration | | | CAL |
| 1 | Configuration dependant performance studies | June? | | CAL |
| 2 | Process dependant performance studies | | | CAL |
| 2 | ID packages of Muon | | | CAL |
| 3 | ID packages of Tau | | | CAL/CT |
| 3 | ID packages of Electron/Gamma | | | CAL/CT |
| Quick Simulator | | | | |
| 3 | Tune Momentum resolution: especially Multiple scattering | | | |
| 3 | Tune CAL response - lateral spread of EM/HD shower | | | |
| 3 | Prepare parameter sets for SiD, LCD | | | |
| Generators | | | | |
| 1 | Beamstrahlung spectrum Standard background data | | ? | MDI |
| 1 | CAIN: Pair/Muon/Synchrotron/Neutron | June-July | | MDI |
| 1 | Two photon: $ee \rightarrow eeee, ee\mu\mu, ee\tau\tau$ | June-July | ? | Phys |
| 1 | Mini-jets | June-July | ? | Phys/CT |
| 2 | Prepare MC data for bench mark processes | | | Phys |
| 3 | Standard generator with tauola | | | Phys |