FLT-SLT efficiency studies

Monte-Carlo simulation:

- (0) 10K of DAQif (1 $\mathbf{J}/\psi \to \mu\mu(\mathbf{ee})$ + 0.5 inel) — BP
- (1) $\mathbf{SLT}_{\mathbf{pair}}^{\mathbf{alone}}$ — BP
- (2) $\mathbf{FLT}_{\mathbf{pair}}$ - $\mathbf{SLT}_{\mathbf{pair}}$ — ?
- (3) $\mathbf{SLT}_{\mathbf{pair}}^{\mathbf{alone}}$ - $\mathbf{FLT}_{\mathbf{pair}}$ — HF
- (4) same for FLT, but based on RTRA — HF
- (5) $\mathbf{FLT}_{\mathbf{single}}$ - $\mathbf{SLT}_{\mathbf{pair}}^{\mathbf{alone}}$ — ?
- (6) $\mathbf{FLT}_{\mathbf{single}}$ - $\mathbf{SLT}_{\mathbf{single}}$ — SS,TN

Data analysis:

- (0) Survey of all FLT-SLT trigger 2000 runs — ?
- (1) $\mathbf{SLT}_{\mathbf{pair}}^{\mathbf{alone}}$ (July/August 2000) — BP/?
- (2) $\mathbf{FLT}_{\mathbf{pair}}$ - $\mathbf{SLT}_{\mathbf{pair}}$ — ?
- (3) $\mathbf{SLT}_{\mathbf{pair}}^{\mathbf{alone}}$ - $\mathbf{FLT}_{\mathbf{pair}}$ — HF
- (4) same for FLT, but RTRA — HF
- (5) $\mathbf{FLT}_{\mathbf{single}}$ - $\mathbf{SLT}_{\mathbf{pair}}^{\mathbf{alone}}$ — ?
- (6) $\mathbf{FLT}_{\mathbf{single}}$ - $\mathbf{SLT}_{\mathbf{single}}$ — SS,TN

Analysis Frame/Method for eff determination:

- MC: use the DAQif events as input
- MC: run FLTsim and SLTsim (SLP piping) in ARTE
- MC/DATA: fit and count Nb accepted J/ψ's (inv mass - pair mode)