

False Asymmetry

- Error Budget
 - Statistic Error $\sim 10^{-3}$ (pion);
 - False Asymmetry (w/ LUMI) $\sim 10^{-5}$;
 - Physics Asymmetry $\sim 10^{-2}$?;
 - $\sigma = \sigma_{\text{stat}} + \sigma_{\text{false}} + \sigma_{\text{phys}}$;
 - Statistic Error Dominates.
- Blind Analysis
 - Total 500 pairs of runs;
 - $\sigma = \sigma_{\text{stat}} + \sigma_{\text{false}} + A_{\text{phys}}/22.5$;
 - Blind analysis won't tell the level of false asymmetry;
 - Need Single Arm Data (low A_{stat} and A_{phys}) to get.