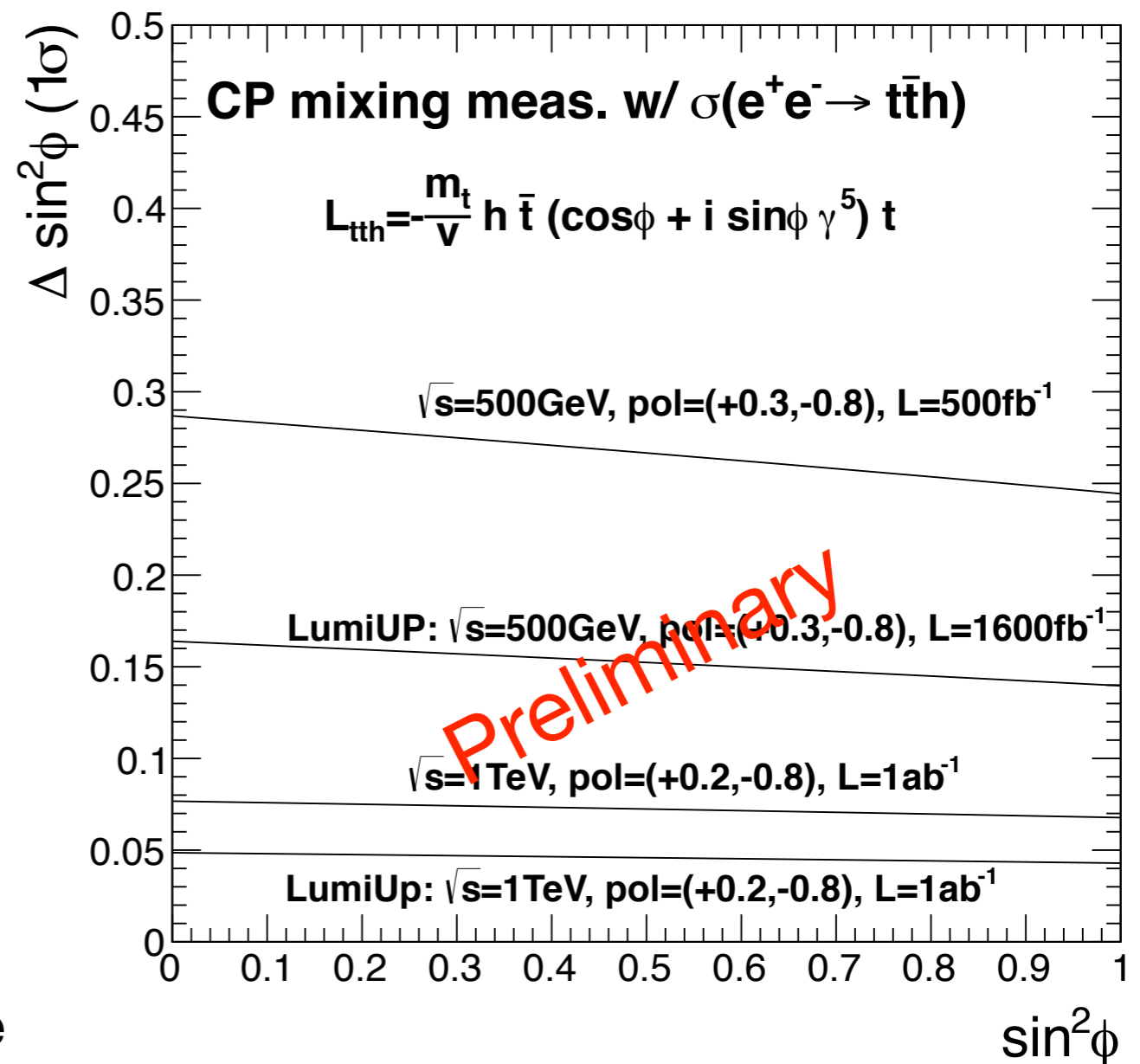
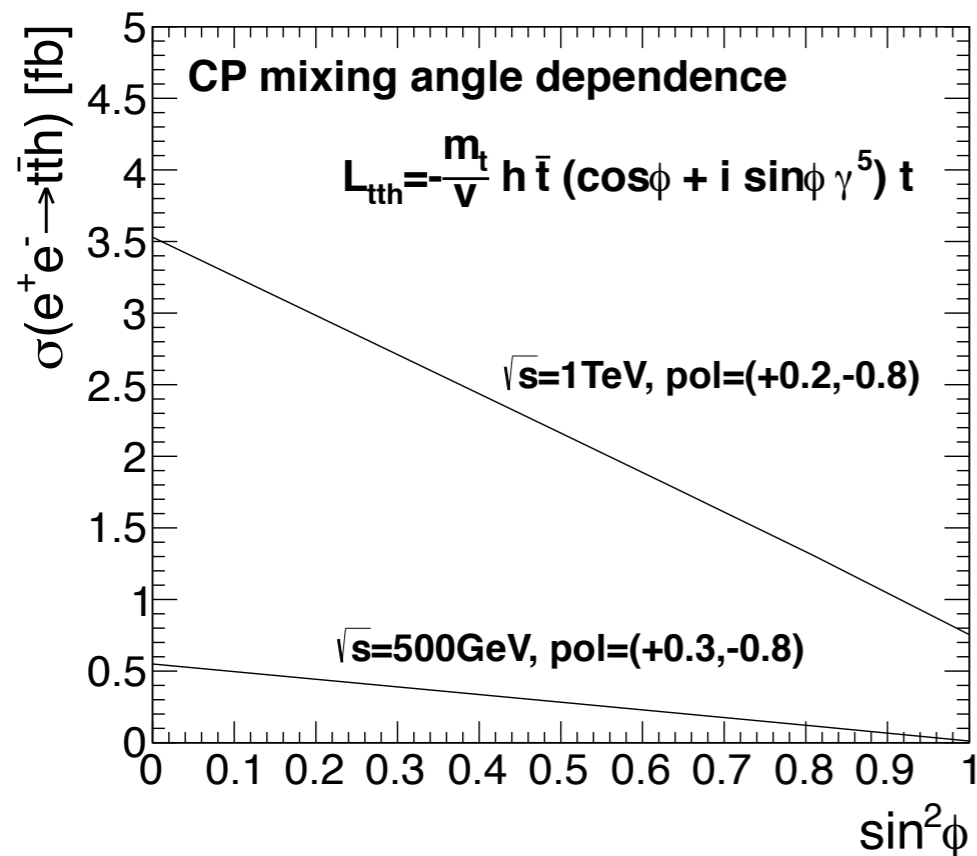


CP mixing study w/ $\sigma(e^+e^- \rightarrow t\bar{t}h)$

ILC Projection

Ref. PRL 100, 051801 (2008)

$$\mathcal{L}_{htt} = -\frac{m_t}{v} h \bar{t} (\cos \phi + i \sin \phi \gamma^5) t$$



Comment on 500GeV result:

$E_{\text{cm}}=500\text{GeV} \rightarrow 520\text{GeV}$ doubles the cross section and improves the precision significantly!