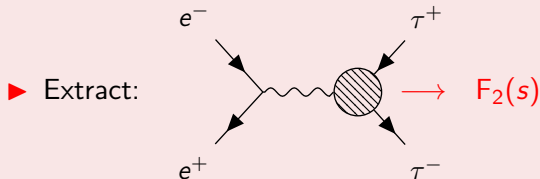


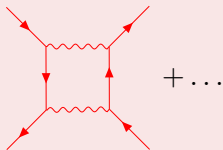
Extraction of Tau Magnetic Moment from $e^+e^- \rightarrow \tau^+\tau^-$

- ▶ Exception: $e^+e^- \rightarrow \Upsilon(nS) \rightarrow \tau^+\tau^-$



$$\hookrightarrow a_\tau^{\text{BSM}} = F_2^{\text{exp}}(s) - F_2^{\text{SM}}(s), \quad s \ll \Lambda_{\text{BSM}}^2$$

- ▶ Spoiled by box diagrams:



- ▶ Necessary: a_τ at $\sim 10^{-6} \implies$ 2-Loop accuracy of $A_T^\pm, A_L^\pm, A_N^\pm$