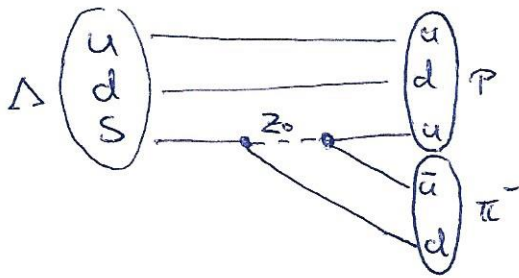
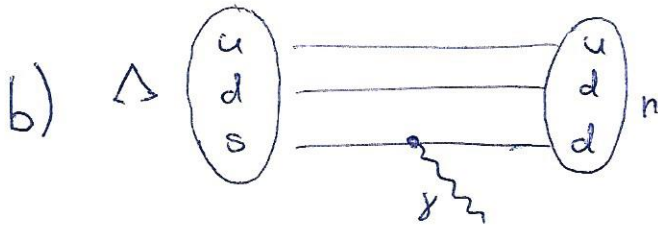


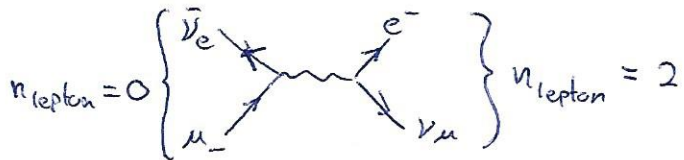
a) Weak interaction $\Delta \rightarrow p + \pi^-$



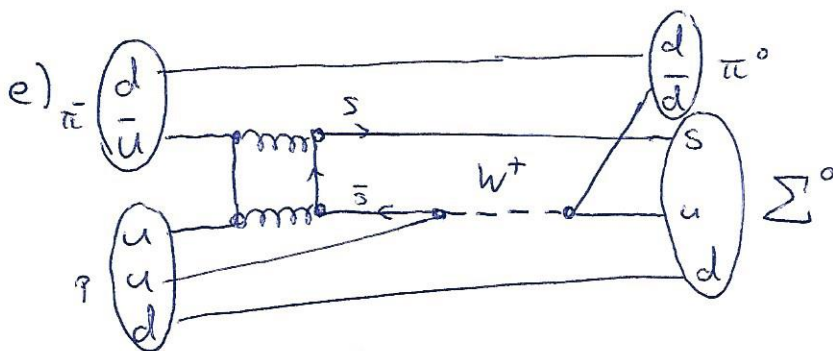
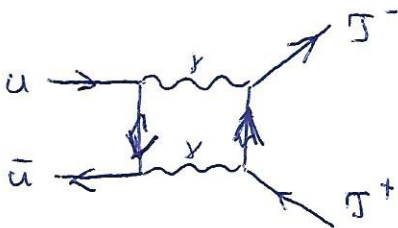
b) $\Delta \rightarrow n + \gamma$ EM-Interaction



c) Process Forbidden!

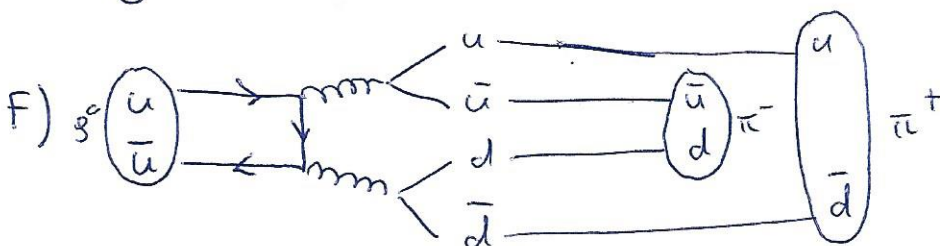


d) EM-Interaction $\pi^0 \rightarrow \gamma^- + \gamma^+$



Weak & Strong

$$p + \pi^- \rightarrow \pi^0 + \Sigma^0$$



Strong

$$\sigma^0 \rightarrow \pi^+ + \pi^-$$