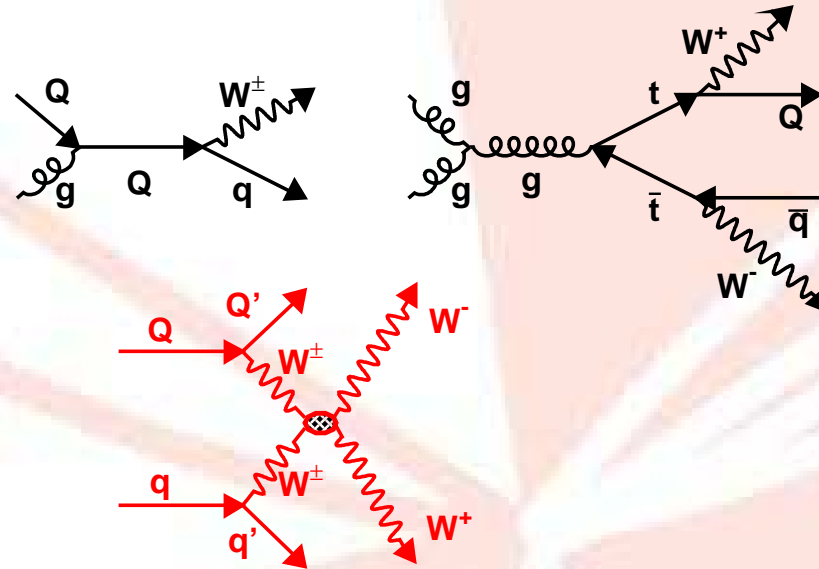




$W_L^+ W_L^-$ scattering: Progress Report

Efstathios (Stathis) Stefanidis
University College London



- The signal gives a relatively high p_T and very forward jets, due to the quarks which radiate the incoming W bosons. This is not the case for the background.
- Two regions: **Forward** (forward of the most forward W), **Backward** (backward of the most backward W)
- **Forward (Backward) tag jet**: The highest p_T jet in the forward (backward) region.

- The testing background sample of 5,000 events fails all my cuts.
- I'll run over more events to demonstrate that better ($\sigma_{back} \sim 300\sigma_{signal}$).

