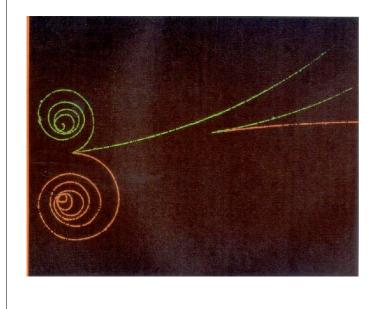
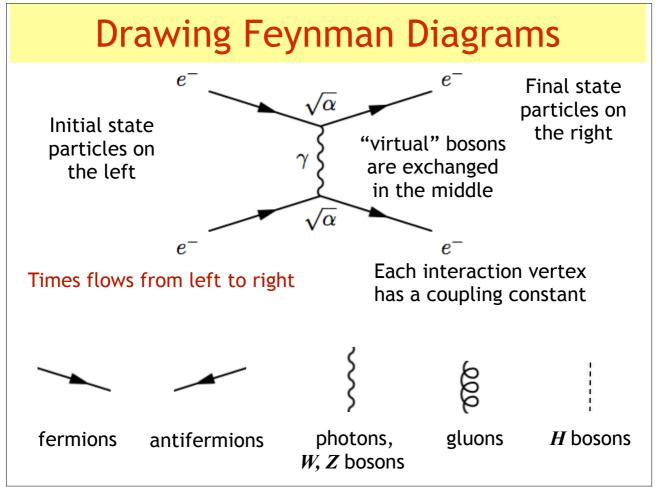
Particle Physics

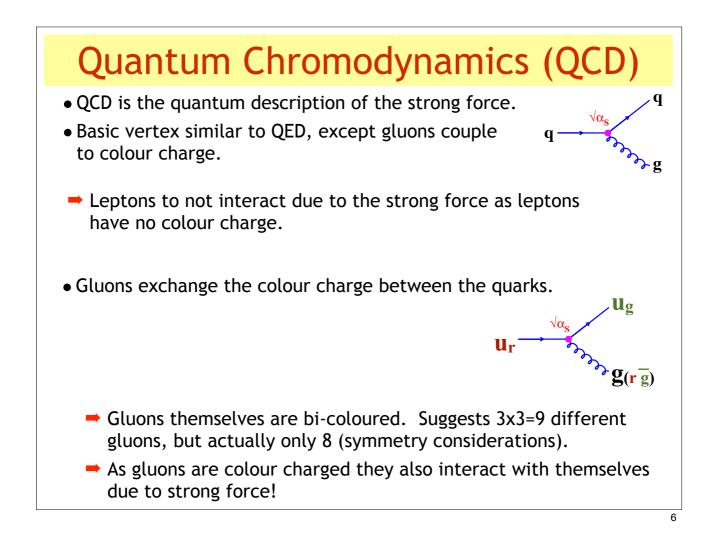
Dr Victoria Martin, Spring Semester 2012 Lecture 3: QCD & Weak Force Getting Quantitative

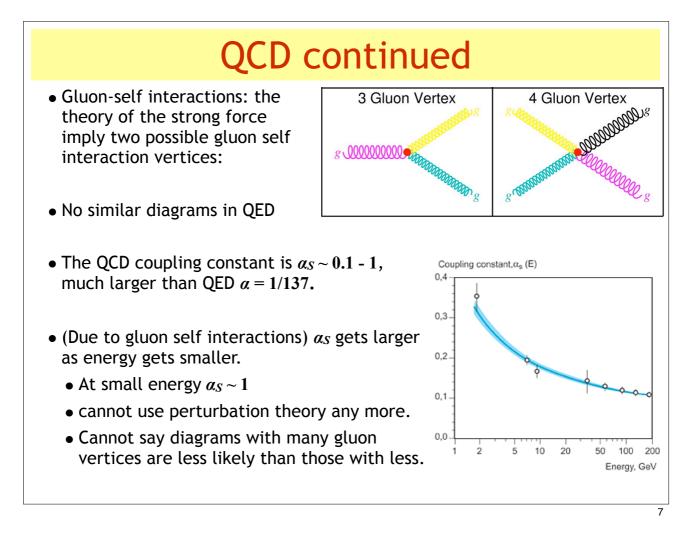


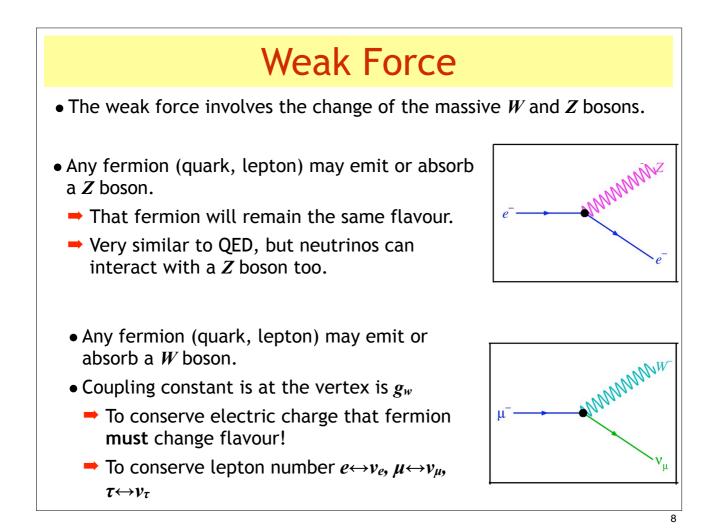
- ★Feynman Diagrams
- *****QCD and the Weak Force
- *Scattering & Decays
- *****Fermi's Golden Rule
- ★Phase Space

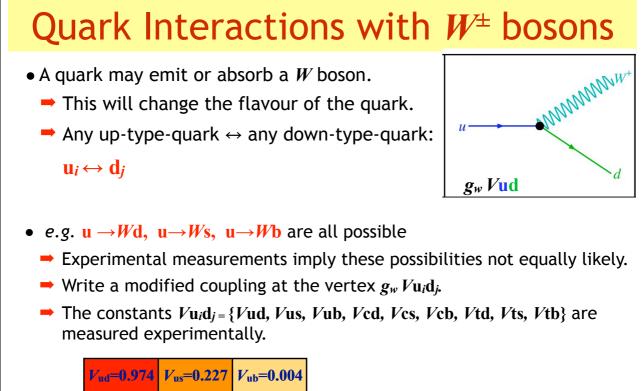


4









V _{ud} =0.974	Vus=0.227	V _{ub} =0.004
V _{cd} =0.230	V _{cs} =0.972	V _{cb} =0.042
V _{td} =0.008	V _{ts} =0.041	V _{tb} =0.999

This is the CKM matrix (more in a future lecture)

