

# PHY612: THEORETICAL PARTICLE PHYSICS

C. Gonzalez-Garcia and S. Dawson

12:50-2:10 TuTh

Semester starts Jan 26th

- Week 1 Jan 27/29 (CGG)  
Intro to SM
- Week 2 Feb 3/5 (SD)  
Intro to SM
- Week 3 Feb 10/12 (CGG)  
Neutrinos
- Week 4 Feb 17/19 (CGG)  
Neutrinos
- Week 5 Feb 24/27 (SD)  
EWSB/Higgs/triviality
- Week 6 March 3/5 (CGG)  
CKM/Flavour/CP
- Week 7 March 10/12 (CGG)  
CKM/Flavour/CP
- Week 8 March 17/19 (SD)  
Radiative Corrections/STU
- Week 9 March 24/36 (SD)  
Intro to collider physics/parton model
- Week 10 March 31/April 2 (SD)  
Intro to collider physics/MADGRAPH?
- Spring Break** (April 7/9)
- Week 11 April 14/16 (CGG)  
BSM/ GUTS/ Technicolor
- Week 12 April 21/24 (CGG)  
BSM/Extra Dimensions
- Week 13 April 28/30 (SD)  
BSM/MSSM
- Week 14 May 5/7 (SD)