School on Particle Physics in the LHC Era

Programme

FIRST WEEK: April 1 to 6	
Monday, 1 April	
8:00 – 9:00	Registration
9:00 – 10:30	Quigg I
10:30 – 11:00	Coffee break
11:00 – 12:30	de Florian I
12:30 – 14:00	Lunch
14:00 – 15:30	Quigg II
15:30 – 16:00	Coffee break
16:00 – 17:00	Discussion
17:30 – 19:30	Exercises and Projects
Tuesday, 2 April	
9:00 – 10:30	Quigg III
10:30 – 11:00	Coffee break
11:00 – 12:30	De Florian II
12:30 – 14:00	Lunch
14:00 – 15:30	Quigg IV
15:30 – 16:00	Coffee break
16:00 – 17:00	Discussion
17:30 – 19:30	Exercises and Projects
Wednesday, 3 April	
9:00 – 10:30	Quigg V
10:30 – 11:00	Coffee break

11:00 – 12:30	De Florian III
12:30 – 14:00	Lunch
14:00 – 15:30	Discussion
15:30 – 16:00	Coffee break
16:00 – 17:30	Lykken I
17:30 – 19:30	Exercises and Projects
Thursday, 4 April	
9:00 – 10:30	Lykken II
10:30 – 11:00	Coffee break
11:00 – 12:30	Pontón I
12:30 – 14:00	Lunch
14:00 – 15:30	Lykken III
15:30 – 16:00	Coffee break
16:00 – 17:00	Discussion
17:30 – 19:30	Exercises and Projects
Friday, 5 April	
9:00 – 10:30	Lykken IV
10:30 – 11:00	Coffee break
11:00 – 12:30	Pontón II
12:30 – 14:00	Lunch
14:00 – 15:30	Lykken V
15:30 – 16:00	Coffee break
16:00 – 17:00	Discussion
17:30 – 19:30	Exercises and Projects
Saturday, 6 April	

9:00 – 10:30	Pontón III
10:30 – 11:00	Coffee break
11:00 – 12:30	Seminar Deandrea Cacciapaglia
12:30 -	Free
SECOND WEEK: April 8 to 12	
Monday, 8 April	
9:00 – 10:30	Pontón IV
10:30 – 11:00	Coffee break
11:00 – 12:30	Belyaev I
12:30 – 14:00	Lunch
14:00 – 15:30	Carena I
15:30 – 16:00	Coffee break
16:00 – 17:00	Discussion
17:30 – 19:30	Exercises and Projects
Tuesday, 9 April	
9:00 – 10:30	Pontón V
10:30 – 11:00	Coffee break
11:00 – 12:30	Belyaev II
12:30 – 14:00	Lunch
14:00 – 15:30	Carena II
15:30 – 16:00	Coffee break
16:00 – 17:00	Discussion
17:30 – 19:30	Exercises and Projects

Wednesday, 10 April	
9:00 – 10:30	Carena III
10:30 – 11:00	Coffee break
11:00 – 12:30	Belyaev III
12:30 – 14:00	Lunch
14:00 – 15:30	Chacko I
15:30 – 16:00	Coffee break
16:00 – 17:00	Discussion
17:30 – 19:30	Exercises and Projects
Thursday, 11 April	
9:00 – 10:30	Chacko II
10:30 – 11:00	Coffee break
11:00 – 12:30	Belyaev IV
12:30 – 14:00	Lunch
14:00 – 15:30	Chacko III
15:30 – 16:00	Coffee break
16:00 – 17:00	Discussion
17:30 – 19:30	Exercises and Projects
Friday, 12 April	
9:00 – 10:30	Chacko IV
10:30 – 11:00	Coffee break
11:00 – 12:30	Belyaev V
12:30 – 14:00	Lunch
Presentations	
14:00 – 14:15	Lucia Duarte: “Top quark decay in A2HDM"
14:15 – 14:30	Javier Orduz: A SIMPLE CALCULATION FOR HIGGS AND Z
14:30 – 14:45	Alfredo Herrera Aguilar: "Corrections to Newton's law in a tachyonic braneworld with de Sitter symmetry"

14:45 – 15:00	Seng Pei Liew: “Axino dark matter with R-parity violation and 130 GeV gamma-ray line”
15:00 – 15:15	Daniel Busbridge: “ Is supersoft supersymmetry breaking supernatural?”
15:15 – 15:30	William Torres: “Rational Contribution to One-loop Gluon Amplitudes”
15:30 – 15:45	David Stone: "Strong matrix element enhancement in light, flavored B-meson decays"
15:45 – 16:15	Coffee break
16:15 – 17:15	DISCUSSION

Lectures:
Chris Quigg – Standard Model
Daniel de Florian – QCD
Joe Lykken – Collider Physics
Eduardo Pontón – Extra dimensions
Marcela Carena – Introduction to SUSY
Zackaria Chacko – Little Higgs, SUSY breaking
Sasha Belyaev – Numerical tools for the LHC