



**LHC Masterclass - Chile
2016
@ Campus San Joaquín
Schedule in Chilean time**



Thursday 03.03
Ken arrives 9:40

**Cosmic Ray Workshop, - Sala Linux
Saturday 05.03.2016 with**

Time	Activity
10:00	Registration and coffee
10:30	Introduction to Cosmic Rays
11:30	Break
11:45	Cosmic Ray e-Lab exploration (small group)
13:00	Lunch
14:00	Cosmic Ray Detector Construction
16:00	Break
16:15	Introduction to EQUIP
17:00	Set up detector for overnight data taking
17:30	End of day

Sunday 06.03.2016 with

Time	Activity
11:30	Coffee
11:45	Upload Data, check PERF, BLESSING, FLUXe-Lab
13:00	Lunch
14:00	Research projects using LUX (small group)
15:30	Intro to POSTERS
16:00	Break
16:15	POSTER creation
17:00	Discuss of implementation and use
17:30	End of workshop

Monday 07.03.2016

Chris arrives 9:40

School Visit, Monday 07.03.2016

+ Monday 07 (9:00-12:00): Liceo Bicentenario de Exelencia San Bernardo

Tuesday , 08.03.2016 Valparaiso:

11:00 Arrival to Valparaíso
11:30-12:00 Meeting with Tutors for masterclass and others
12:00-13:00 Chris Kolda Seminar
13:00-14:30 Lunch at UTFSM
14:30-15:00 Introductory talk to particle physics concepts.
15:00-15:30 Introduction to LHC and ATLAS
15:30-16:00 Coffee break
16:00-16:30 Interactive activity: Rolling with Rutherford.
16:30-17:00 Interactive activity: Quark Puzzle.
17:00-18:00 Interactive activity: Hypathia experience.
18:00-18:30 Visit to the particle physics laboratories.

School Visit, Wednesday 09.03.2016

+ Wed. 09 (9:00-12:00): Saint George's College

Wednesday 09.03

20:00 Dinner

School Visit, Thursday 10.03.2016

+ Thursd. 10 (9:00-12:00): Liceo Bicentenario de Niñas de Maipú

Coloquio, Thursday 10.03.2016 @ - sala Jorge Krause

+ 16:00 Christopher Kolda

Particle Physics Webinar Notre Dame - PUC, 10.03.2016

+ 17:30, Daya Bay

Masterclass Workshop for teachers 11-12.03.2016 - Sala Linux

Friday 11.03.2016

Time	Group A (new to masterclass)	Group B (experienced)
17:00	Registration and coffee	
17:30	Particle cards	
18:45	Presentation: Physics at the LHC	
19:30	Cloud chambers,	Lab AstroIng
20:00	HEPlab	Cloud chambers
20:30	End of day	

Saturday 12.03.2016

Time	Group A	Group B
9:00	coffee	
9:15	Introduction	
9:30	ATLAS virtual visit	
10:00	Rolling with Rutherford.	Introduction to SciLab
10:30	Break	Break
10:45	Calculation of Z-ma	Introduction to SciLab
11:30	ATLAS introduction	J/Psi introduction
12:30	Lunch	
13:30	ATLAS Z-path	CMS J/Psi
15:00	break	
15:15	presentation of results	
15:45	Masterclass-in-a-box	
17:00	End	

Student workshop-I, Friday, 18.03.2016 - Sala Linux

Time	Group A (new to masterclass)	Group B (experienced)
17:00	Registration and coffee	
17:30	Particle cards	
18:45	Presentation: Physics at the LHC	
19:30	Cloud chambers,	Lab AstroIng
20:00	HEPlab	Cloud chambers,
20:30	End of day	

Student workshop-II, Saturday, 19.03.2016 - Sala Linux

15:00	Welcome	30 min
15:30	Analysis preparation presentation	30 min
16:00	coffee break	30 min
16:30	Analysis by students I	45 min
17:15	Analysis by students II	45 min
18:00	Students share results	45 min
18:45	Group picture	15 min
19:00	Video conference with Notre Dame +LatAm institutes	30 min
19:30	Close out + cookies	