

Programme CEE “Between Two Infinities” (6-13 July 2011)

	5.7	6.7 Wed	7.7 Thu Observatory	8.7 Fri UFR Physique	9.7 Sat UFR Physique	10.7 Sun	11.7 Mon KIT, Karlsruhe	12.7 Tue UFR Physique	13.7 Wed UFR Physique
8:30 - 10:15	registration	8h30 Opening 9h00-10h30 Introduction, the two infinities and their connections <i>Vanina Ruhlmann-Kleider</i>	The astronomical Observatory of Strasbourg Dynamics of the Universe & the rise of large Scale structures, the cosmological sky <i>Dominique Aubert,</i>	Physics at the LHC: First Results <i>Karl Jakobs</i>	Physics at the LHC: First Results <i>Karl Jakobs</i>	9:30 Excursion Vosges Walk with Picnic	7:00 departure 8:30 registration 9:00 introduction: Perspectives and Challenges in Astroparticle Physics <i>Johannes. Blümer</i> High-Energy Cosmic Ray Physics <i>Ralph Engel</i>	Introduction to gamma-ray Astronomy <i>Marianne Lemoine-Goumard</i>	CP violation, matter anti-matter asymmetry and Baryogenesis <i>Régis Lefèvre</i>
10:45 - 12:30	registration	11h00-12h30 The Standard Model of particle physics and beyond I <i>Benjamin Fuks and Michel Rausch de Traubenberg</i>	Dynamics of the Universe & the rise of large Scale structures, the cosmological sky <i>Dominique Aubert,</i>	11h30 Visit of European Parliament	Particle detectors and HEP experiments <i>Laurent Serin</i>		Direct search for cosmological dark matter <i>Klaus Eitel</i> Neutrino masses <i>Guido Drexlin</i>	Heavy Ion collisions and the Quark Gluon Plasma <i>Antonin Maire</i>	The Standard Model of particle physics and beyond III <i>Benjamin Fuks and Michel Rausch de Traubenberg</i>
		Gallia	Gallia	Gallia	Lunch simple at the UFR		Restaurant Karlsruhe	Gallia	Gallia
14:00 - 15:45	registration	Physics of neutrino oscillations <i>Anselmo Meregaglia</i>	Neutrino Astrophysics <i>Thierry Pradier (60 min)</i>	Lecture at IPHC!! The Standard Model of particle physics and beyond II <i>Benjamin Fuks and Michel Rausch de Traubenberg</i>	<i>Exercises</i> Standard Model 15h30 The astronomical clock of the Cathedral <i>P. Juliot</i>		Visit of experiments: 14h00-15h00 KATRIN group A KASCADE group B 14h00-15h00 KATRIN group B KASCADE group A 16h00 Mirror of the Pierre Auger Observatory	13h30-14h30 Reimbursement 14h30 <i>Exercises</i> <i>Neutrinos</i>	<i>Final test</i>
				Coffee					Coffee
16:15 - 18:00	registration	Poster session <i>Presentation of students,</i>	Visit of observatory The virtual observatory <i>Caroline Bot</i>	<i>Exercises IPHC</i> “LHC events” Simulation of events, MC demonstration <i>Eric Conte, Eric Chabert</i>	16h15 Guided sight seeing tour of Strasbourg: Cathedral and old town		Alternative to the standard cosmological model <i>Benoit Famaey</i>	Synthesis and Closing session	
Dinner		18h45 Welcome reception at the UFR	Gallia	18h30 Reception at the « Hôtel de Ville » of Strasbourg	free	Soirée Tartes flambées Ou BBQ	17h30 Return to Strasbourg	Gallia	
Evening Program				21h00 Nocturnal Boat-Ride			19h00 Arrival in Strasbourg		