

Winter School on High Energy Physics

2 – 5 March, 2009 (Kharkov, Ukraine)

M.-H. Schune, A. Stocchi, S. Barsuk
 LAL / IN2P3-CNRS and Paris Sud University, Orsay, France

PROGRAM

First Day – Monday (March, 2)		
9:00-10:20	Introduction (A. Stocchi)	NSC KIPT ¹
20' break		
10:40-12:00	HEP instrumentation (S. Barsuk)	
20' break		
12:20-13:20	Deflection of high-energy particles by bent crystals (N. Shul'ga) The LPM effect: theory and experiment (S. Fomin)	
Lunch break (1h 40')		
15:00-16:20	Strong interaction (M.-H. Schune)	Phys-Tech ²
20' break		
16:40-18:00	HEP instrumentation (S. Barsuk)	

Second Day – Tuesday (March, 3)		
9:00-10:20	HEP instrumentation (S. Barsuk)	NSC KIPT
20' break		
10:40-12:00	Strong interaction (M.-H. Schune)	
20' break		
12:20-13:20	Colour and flavour symmetries of QCD (A. Korchin)	
Lunch break (1h 40')		
15:00-16:20	Weak interaction (A. Stocchi)	Phys-Tech
20' break		
16:40-18:00	HEP instrumentation / LHC (S. Barsuk)	

Third Day – Wednesday (March, 4)		
9:00-10:20	Weak interaction (A. Stocchi)	NSC KIPT
20' break		
10:40-12:00	Electroweak and SM (M.-H. Schune)	
20' break		
12:20-13:20	Save fast reactor working in the nuclear burning wave regime (S. Fomin)	
Lunch break (1h 40')		
15:00-16:20	Higgs boson search (M.-H. Schune)	
20' break		
16:40-18:00	Seminar: "SuperB factory" (A. Stocchi)	

Fourth Day – Thursday (March, 5)		
9:00-10:30	CKM/CP and B physics (S. Barsuk)	Phys-Tech
30' break		
11:00-12:30	CKM/CP and B physics (S. Barsuk, A. Stocchi)	
Lunch break (1h)		
13:30-15:00	Neutrino physics (M.-H. Schune)	
30' break		
15:30-	Farewell Party	

¹ NSC KIPT – ННЦ ХФТИ, конференционный зал, (ул. Академическая 1).

² Phys-Tech – Физико-технический факультет ХНУ, аудитория 301, (пр. Курчатова 31).