



# Colloque France-Ukraine 2015

## jeudi 15 octobre 2015

### R&D on accelerators: beam diagnostics (09:30 - 10:55)

time	[id] title	presenter
09:30	[0] Nikolai F. Shulga (KIPT and KNU): Quantum effects at radiation by ultrarelativistic electrons in long undulator and at scattering in ultrathin crystals	
10:00	[2] Sergii P. Fomin (KIPT), Computer simulation of high energy charged particle passage through aligned crystals	
10:15	[55] Oleksiy Fomin (KIPT and KNU), Qausireflection of relativistic charged particle beam by a thin crystal	
10:25	[1] Sergii V. Trofimenko (KIPT), Ionization loss and transition radiation processes by high-energy 'half-bare' electron	
10:40	[3] Angeles Faus-Golfe (LAL), Electron beam uses and applications in ThomX	

### R&D on accelerators: beam diagnostics: R&D on accelerators: beam diagnostics (11:10 - 12:45)

time	[id] title	presenter
11:10	[5] Daniil Brzhechko (TSNUK), UA9 – slow extraction	
11:20	[6] Vasyi Drozd (TSNUK), Installation and test of the Fiber Beam Loss Monitor at PHIL	
11:30	[7] Nicolas Delerue (LAL), Smith-Purcell radiation	
11:40	[56] Alexander V. Shchagin (KIPT), Production and applications of X-rays emitted by relativistic particles	
11:55	[8] Valery M. Pugatch (KINR), Hybrid and Metal Microdetector Systems for measuring spatial and time distribution of the charged particles and X-rays beams	
12:10	[9] Oleksii Kovalchuk (KINR), Design of the Metal Microstrip Detector for the beam profile studies at PHIL	
12:20	[10] Oleksandre Okhrimenko (KINR), LHCb RMS status and operation at 13 TeV	
12:30	[43] Discussion	