

Workshop on Materials for Collimators and Beam Absorbers

Wednesday 5 September 2007

Session 5: Codes and simulations results - 40-S2-D01 (08:30 - 17:55)

time	[id] title	presenter
08:30	[59] Issues Raised by the Design of the LHC Beam Dump Entrance Window	VENESS, Raymond
09:00	[31] Overview of FLUKA Energy Deposition and Design Studies for the LHC	BRUGGER, Markus
09:40	[62] Generic studies of radioactivity induced by high energy beams in different absorber materials	BRUGGER, Markus
10:10	Coffee break	
10:35	[56] Simulating radiation damage effects in LHC collimators (code development status)	SMIRNOV, George
11:00	[23] Beam impact on collimator materials: Studies for LHC and SPS using BIG	TAHIR, Naeem
11:40	[44] FE simulation of 450 GeV injection error test	DALLOCCIO, Alessandro
12:05	[46] Beam impact on collimator materials: Studies for LHC by Kurchatov Institute	RYAZANOV, Alexander
12:30	Lunch break	
14:00	[39] Finite Element Methods for the Thermo-mechanical analysis of the Phase I Collimators	BERTARELLI, Alessandro
14:30	[50] Experience with implicit and explicit codes in analysing beam-induced thermo-mechanical shock	SIMOS, Nick
15:00	[35] Numerical tools for the design of beam intercepting devices	BRUNO, Luca
15:30	[63] TT40 collimator – Deformation measurement after beam test	CHAMIZO, Rocio
15:40	Coffee break	
15:55	[38] Dynamic structural analysis of absorbers with spectral-element code ELSE	MASSIDDA, Luca
16:35	[29] Discussions and closing remarks	SCHMIDT, Rüdiger