

Future computing in particle physics

Thursday, 16 June 2011

GPU/Manycore Applications: Motivation and projects - Cramond Room (15:10 - 17:00)

time	[id] title	presenter
15:10	[15] Atlas Analysis Model Perspectives	FARBIN, Amir
15:30	[8] Implementing parallel algorithms for data analysis in the ROOT/RooFit package	Dr LAZZARO, Alfio
15:50	[9] Experiences on using GPU accelerators for data analysis in ROOT/RooFit package	LINDAL, Yngve Sneen
16:10	[32] TMVA method optimisation feasibility study	WASHBROOK, Andrew John
16:20	[33] Discussion - Future Plans	

Friday, 17 June 2011

GPU/Manycore Applications: Motivation and projects - Cramond Room (09:00 - 12:40)

-Conveners: Philip Clark

time	[id] title	presenter
09:00	[24] Perspectives on ATLAS tracking and the upgrade	ELSING, Markus
09:20	[25] Track reconstruction on GPUs	SCHMITT, Christian
10:00	Coffee and Discussion	
10:20	[34] HLT: Z Finder	WASHBROOK, Andrew John
10:30	[13] Kalman filter	EMELIYANOV, Dmitry
10:50	[14] Bytestream decoding and cluster formation	HOWARD, Jacob
11:10	[35] Discussion	
11:30	[11] GP using GPGPU - my experience with OpenCL	VUKOTIC, Ilija
12:00	[10] Matrix Element analyses	HARRINGTON, Robert
12:20	[36] Programming hybrid architectures with OpenMP accelerator directives	Dr HART, Alistair