



# Joint HL-LHC and LIU Brainstorming Session

## Friday, 24 June 2011

### Setting the Scene - Le Hangar (08:30 - 09:30)

-Conveners: Roland Garoby; Oliver Bruning

time	[id] title	presenter
08:30	[8] Beam characteristics at collision energies for the main HL-LHC scenarios: Fundamental reasons for each beam parameters	BRUNING, Oliver
09:00	[9] Estimated beam characteristics from the upgraded injectors at 450 GeV: Fundamental limitations	GAROBY, Roland