

# Large Hadron Collider

*Wednesday 12 March 2008 09:00 (1h 30m)*

<b>Hadron collider vs lepton collider, LHC lattice, LHC optics  
Luminosity, superconducting magnets, field quality  
Beam physics:</b> dynamical aperture, electron clouds, ions  
<b>Machine protection, collimation  
Commissioning and start-up  
Prospects for upgrade</b>

**Primary author:** GILARDONI, Simone

**Presenter:** GILARDONI, Simone

**Session Classification:** Lectures