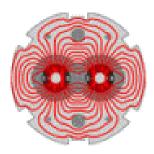
## LHC Performance Workshop - Chamonix 2010



Contribution ID: 47 Type: not specified

## **Crab Cavities**

Friday, 29 January 2010 09:20 (20 minutes)

With lower betas or longer bunches, luminosity loss due to the crossing angle becomes important. Crab cavities could minimize the loss. What are the scenarios for a crab cavity implementation in the LHC, the expected performance gain, hardware implications, R&D plan, the open questions (noise, machine protection, impedance?), issues with space for crab cavities and the auxiliary equipment (e.g. klystrons) close to IP1/5 and in IR4, and a possible schedule.

Presenter: CALAGA, Rama

**Session Classification:** Session 9 - Additional LHC upgrade scenarios