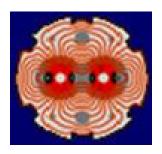
Workshop Chamonix XV



Contribution ID: 90 Type: not specified

Vacuum Conditions Required

Monday 23 January 2006 11:10 (20 minutes)

Several years will be required to reach the LHC nominal performances. During the year 1 and 2, the LHC beam current will be limited, therefore the nominal performances of the vacuum system are not required. In this context, the vacuum performances for year 1 and 2 will be analysed. Particularly, the bake-out of the Long Straight Sections could be questioned. The implications of an unbaked vacuum system onto the resources, the installation schedule, the beam life time, the quench

level, the dissipated power into the cold masses and the radiation dose onto the machine elements will be discussed.

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Session Classification: Session 01 - The minimum workable LHC - plans and requirements for beam

commissioning, years 1 and 2