

Dynamic Aperture Limitations of the LHC in Physic Conditions due to Low-Beta Insertions, A. FAUS-GOLFE, A. VERDIER, CERN - The most significant restriction to the dynamic aperture of LHC in collision is caused by the multipole field errors of the low beta triplet magnet. In this paper we analyse their effect, using the systematic and random magnetic imperfections expected in all machine magnets. The effect of crossing angle (feed-down) is also considered. Some means of correction are investigated.