Performances of anode-resistive Micromegas for HL-LHC environment

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HL-LHC Atlas Upgrade

Irtu



The LHC Machine plans:

phase 0 : run until 2012 increasing the energy. Nominal luminosity by 2014? phase I : increase to 3 x nom. > 2018? • phase II : 10 x nominal in 2020? (HL-LHC).

Increase on <u>neutron</u>, photon and hadron background.

ATLAS muon spectrometer upgrade will consist on small wheels replacement (and some trigger



To avoid sparks on micromegas different resistive coating configuration are tested.

• We tested 3 different resistive technologies.



