

ICHEP2012



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## **Anisotropic Flow of Charged Particles at High Transverse Momentum in 2.76 TeV Pb-Pb Collisions at the LHC from ALICE experiment**

*Friday 6 July 2012 12:00 (15 minutes)*

Anisotropic flow is sensitive to the properties of the deconfined state of matter produced during the course of a heavy-ion collision. We report on the inclusive photons anisotropic flow at forward rapidity,  $2.3 < \eta < 3.9$ , measured for Pb-Pb collisions at 2.76 TeV with ALICE at the LHC. Photons are reconstructed with ALICE Photon Multiplicity Detector (PMD), and the collision symmetry plane is estimated with charged particles produced at midrapidity  $|\eta| < 0.8$ , which introduce large rapidity gap to reduce non-flow effects in the correlation analysis.

### **Financial Support Justification for Early-Stage Researchers**

Dear Conference committee,

I am a research scholar working on anisotropic flow of inclusive photons from Photon Multiplicity detector in ALICE experiment at LHC. I am in 3rd year of my PhD from Indian Institute of Technology Bombay, India. It will be very helpful if you can arrange financial support for me to attend the conference.

Thank you,  
Anitha Nyatha

### **Summary**

I would like to attend the conference and present my results on anisotropic flow of inclusive photons for ALICE Collaboration.

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**Track Classification:** Track 9. Heavy Ion Collisions