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Type: Oral Presentation

## PLENARY: Beyond the Standard

*Thursday, 11 July 2013 09:00 (1 hour)*

### **Abstract content <br> &nbsp;   (Max 300 words)**

The lecture will discuss extensions to the standard model of particle physics which gives an incomplete description of the interactions between the basic building blocks of matter but has yet to fail an experimental test. Once the standard model has been introduced, the audience will share in the excitement of the Large Hadron Collider at CERN, learning about selected results from the past year (since the Higgs boson discovery), and plans for the future when the machine restarts at a new energy. With South Africa now official part of the ATLAS and ALICE experiments the talk will also explore the uniqueness of working on an experiment with thousands of collaborators spread across the world, and why that is awesome.

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**Session Classification:** Plenary

**Track Classification:** Track H - Plenaries