



ID de Contribution: **204**

Type: **Ordinary**

## **Prospects for W-mass measurements at the LHC**

*mardi 15 mars 2016 09:35 (20 minutes)*

A precise  $O(10 \text{ MeV})$  measurement of the W boson mass is a stringent test of the standard model. The talk will discuss the experimental and theoretical challenges that need to be faced in order to achieve this level of precision. In addition, the status of various experimental studies, calibrations and state-of-the-art simulations related with this measurement will be presented.

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**Classification de Session:** Standard Model

**Classification de thématique:** Experiment