



**38th INTERNATIONAL CONFERENCE
ON HIGH ENERGY PHYSICS**

AUGUST 3 - 10, 2016
CHICAGO

Contribution ID: 589

Type: **Oral Presentation**

Experimental studies towards a precise measurement of the W mass at ATLAS and CMS (15' + 5')

Saturday, 6 August 2016 14:00 (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.

Presenter: PERROZZI, Luca (Eidgenoessische Tech. Hochschule Zuerich (CH))

Session Classification: Top Quark and Electroweak Physics

Track Classification: Top Quark and Electroweak Physics