## **Channeling 2014**



Contribution ID: 172 Type: Oral

## High Precision Piezo Goniometer for LHC Crystal Experiment

Friday, 10 October 2014 12:10 (15 minutes)

An innovative piezo goniometer that fully fulfils all the requirements for the channeling experiment in the LHC is presented. The piezo rotational stage is based on a specifically designed flexural structure with closed loop position control using a high accuracy interferometric angular sensor. The design guidelines as well as the experimental validation results are also presented.

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Benchmarking with Experimental Data