



Contribution ID: 36

Type: **not specified**

## Initial deformation of the PETRA III slab

*Thursday 16 September 2010 14:10 (20 minutes)*

The concrete slab of the PETRA III experimental hall has a size of roughly 300x30m and a thickness of 2m. Movements due to temperature variations and setting of the concrete are discussed. Methods of predicting future movements are developed.

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**Session Classification:** D4, S3, Long Term Monitoring, Ground Motion, Vibration // Poster Presentation

**Track Classification:** ground motion, long term monitoring, vibration