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## **Performance results from the ZEPLIN-III second science run**

*Friday 16 September 2011 10:10 (20 minutes)*

The ZEPLIN-III direct dark matter experiment uses a 3D position-sensitive two-phase xenon time projection chamber. It is located in a deep underground laboratory at Boulby in North Yorkshire (UK) and searches for weakly interacting massive particles (WIPMs). Since June 2010 ZEPLIN-III is collecting the data in the second science run. The talk will give an overview over the detector performance and will describe in details the energy and position reconstruction.

### **Preferred medium (Oral/poster)**

Oral

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