

## RECONSTRUCTION OF THE EAS CORE POSITION WITH THE ARGO-YBJ DETECTOR

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The ARGO-YBJ detector is a full coverage array consisting of a  $74 \times 78 \text{ m}^2$  layer of RPC's, under construction at the Yangbajing Laboratory (Tibet, P.R. China, 4300 m a.s.l.). ARGO-YBJ will provide a detailed space-time picture of the front of small size air showers. In the analysis of the ARGO-YBJ data, a precise reconstruction of the shower parameters is of crucial importance to identify gamma rays sources. We present some different techniques exploited to determine the shower core position. The influence of the core reconstruction accuracy on the detector acceptance and on the angular resolution is discussed.