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## The Mirror Alignment and Control System for CT5 of the H.E.S.S. experiment

*Tuesday 4 August 2015 16:00 (1 hour)*

The High Energy Stereoscopic System (H.E.S.S.) experiment is one of the leading observatories for gamma-ray astronomy. It consists of four telescopes with a reflecting dish diameter of 12 m (CT1-4) and a newer large telescope (CT5) with a reflecting dish diameter of 28 m. On CT5 876 mirror facets are mounted, all of them equipped with a computerised system for their alignment. The design of the mirror alignment and control system and the performance of the hardware installed to the telescope are presented. Furthermore the achieved point spread function of the telescope over the full operational elevation range as well as the stability of the alignment over an extended period of time are shown.

### Collaboration

H.E.S.S.

### Registration number following "ICRC2015-I"

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