

1 slide

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I. CTA: medium-sized SC Telescope

Achieving PSF requirements imposes strict panel-to-panel alignment => Sub-millimeter alignment precision is required for individual panels.

Panel-to-Panel Alignment System:

- Measure relative positions between mirror panels
- Calculate displacements for proper panel-to-panel alignment
- Correct displacement through actuator system
- Verify alignment
- Provide data for post-calibration pointing (<10 arcsec)

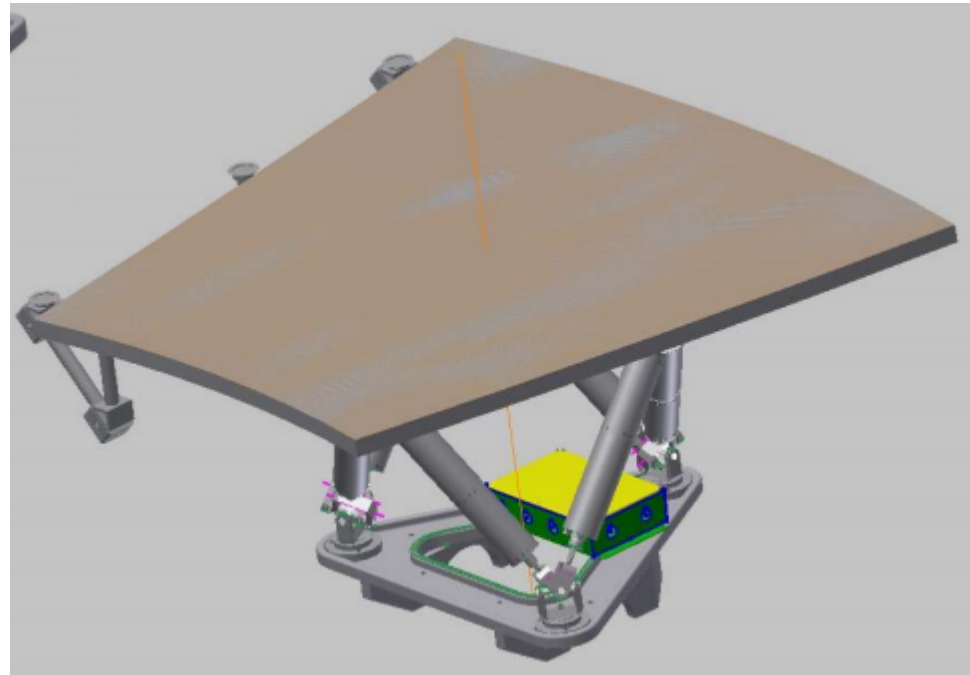
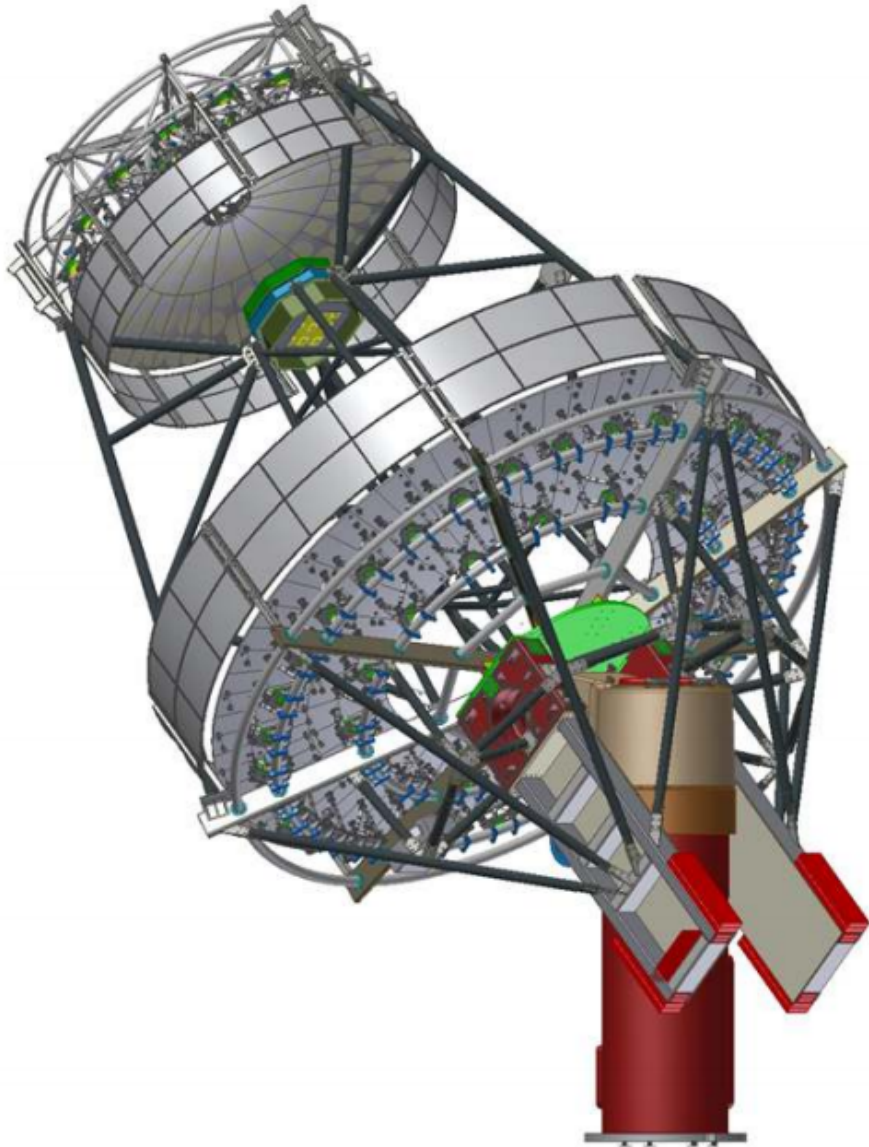
Specifications:

- Resolve the panel position in 6D
- Positional resolution down to $\sim 10\mu\text{m}$
- Panel positioning within $\sim 10\mu\text{m}$
- Align once per night
- On-line alignment monitoring

Elements:

- Mirror Panel Edge Sensors
- Stewart Platform

Hardware



II. VERITAS: SNR IC443

AKA the Jellyfish Nebula:

- 1.5kpc away; ~50' across;
- Two connected subshells, giant molecular cloud (?)

