



AGATA Week 2010 Legnaro Mechanical Design Issues for Demonstrator at LNL

21/1/2010
J Strachan

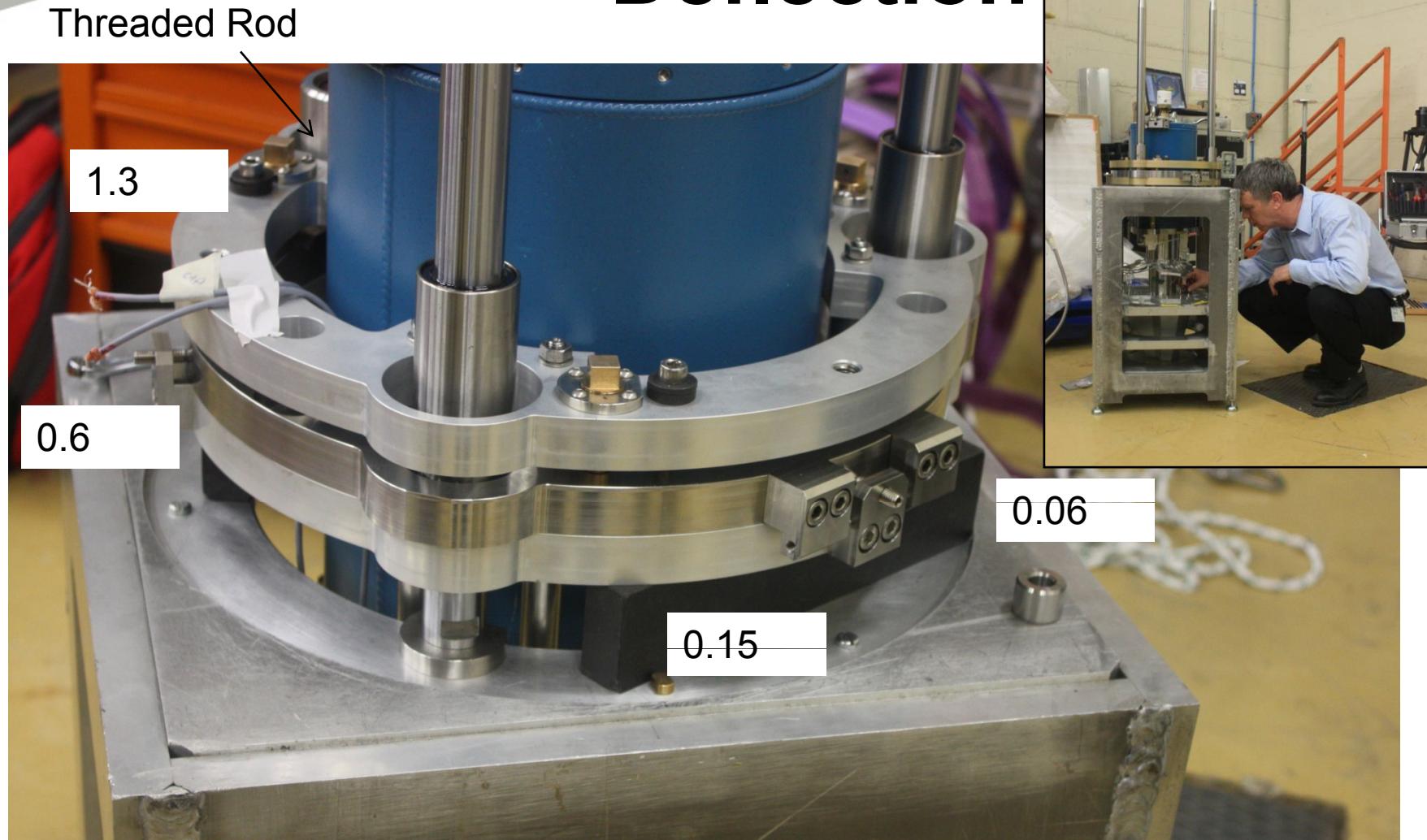


Contents

- 1.Detector alignment results
- 2.Lifting

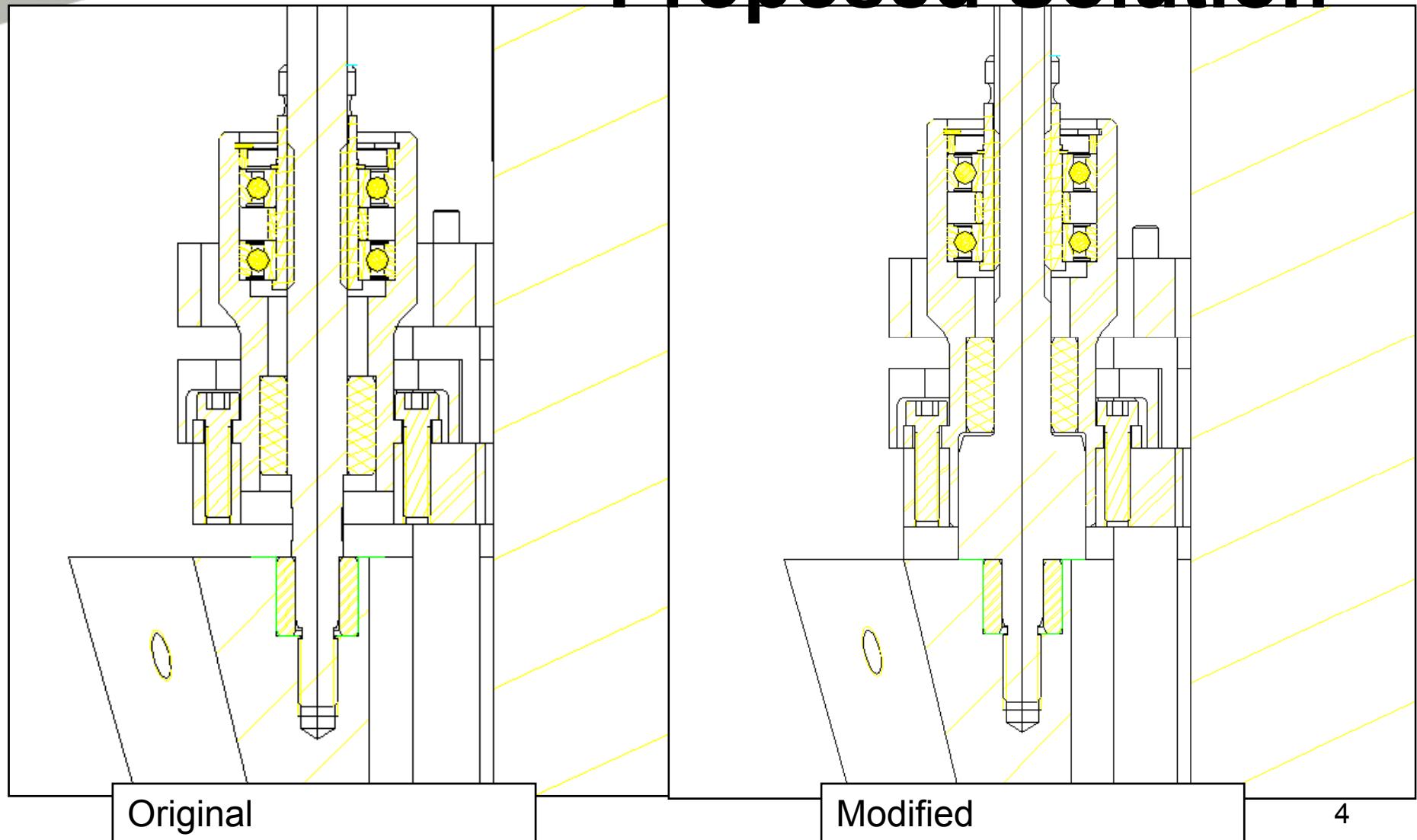


Setting Jig Deflection



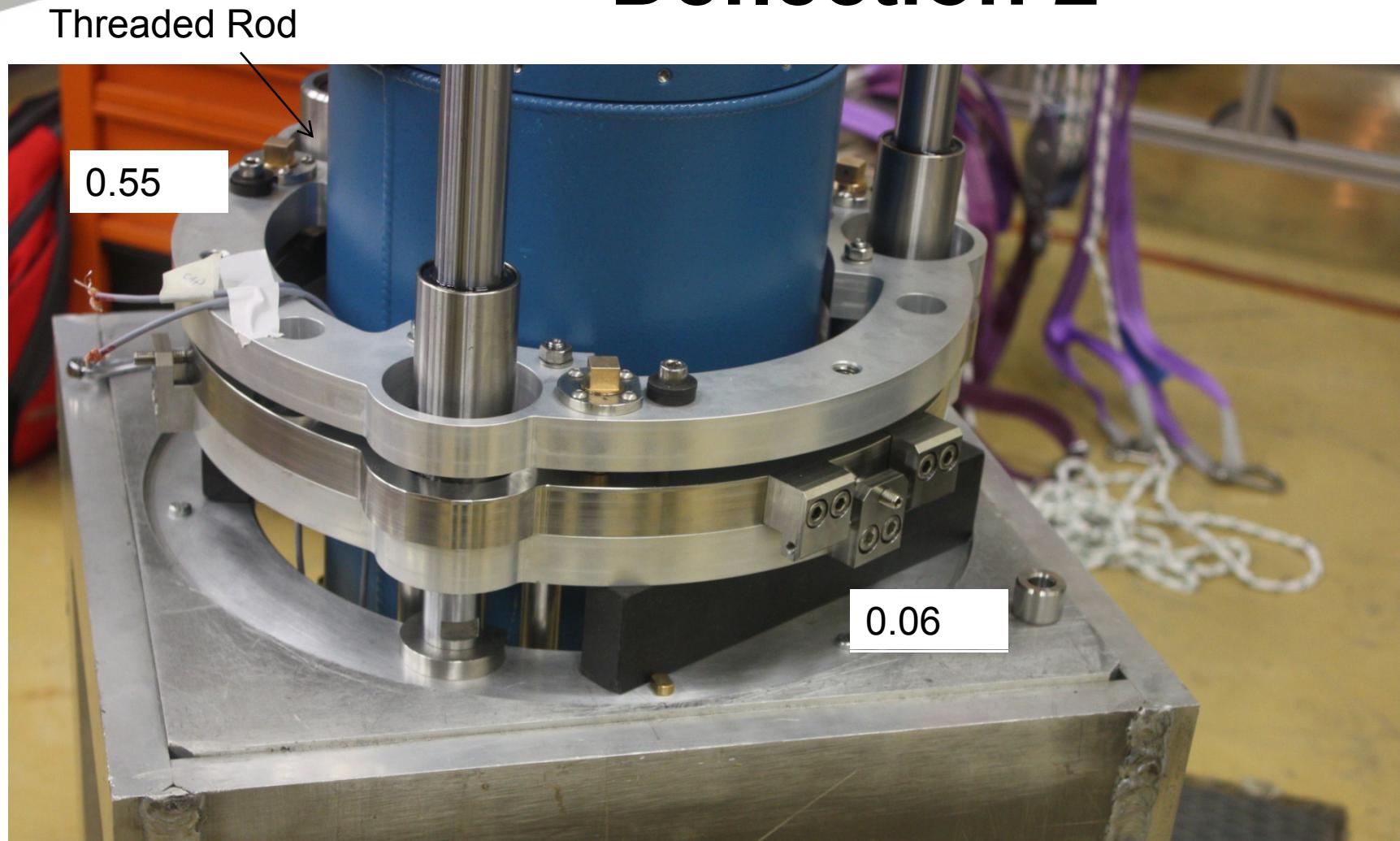


Setting Jig Proposed Solution





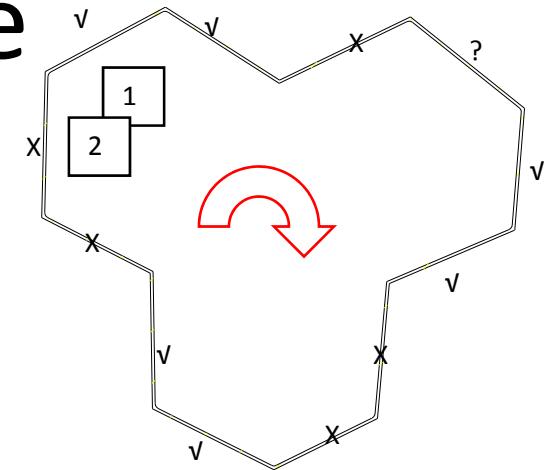
Setting Jig Deflection 2



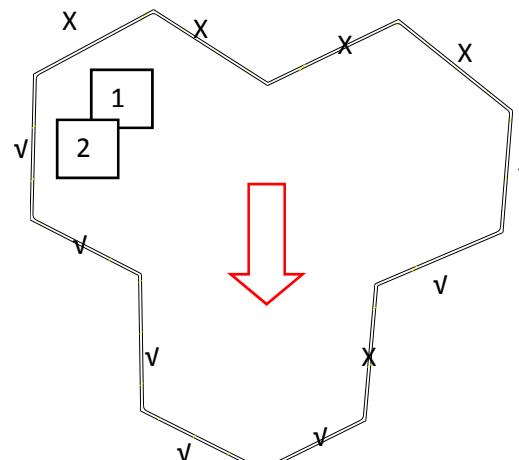


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Detector Gauge



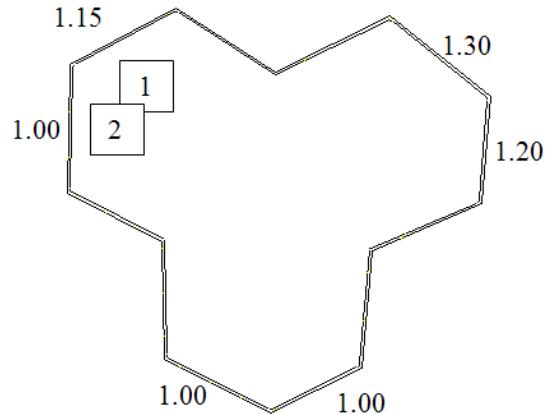
Real example showing rotational
adjustment required



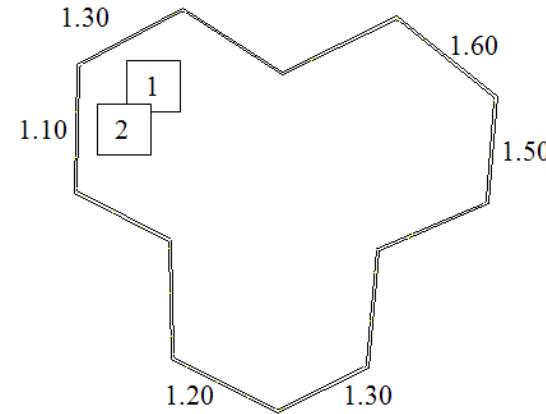
Real example showing linear adjustment
required



Measured values

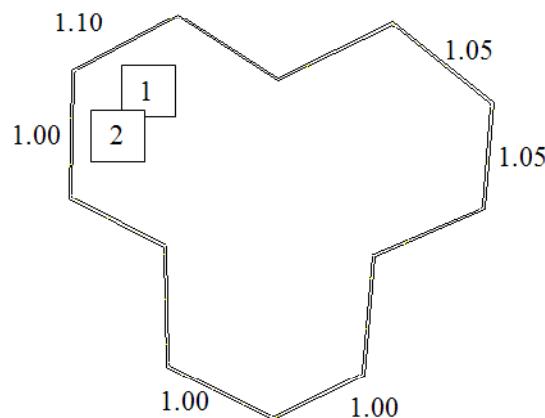


Top Plate

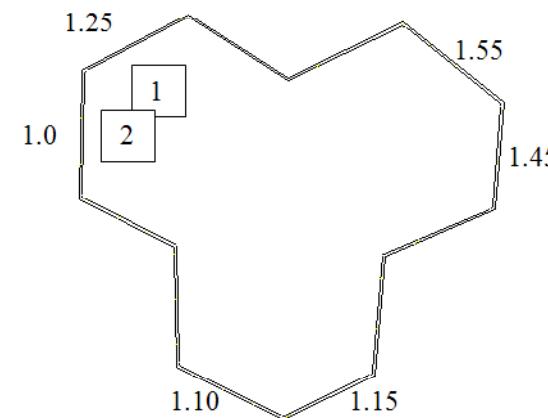


Bottom Plate

Dummy Detector



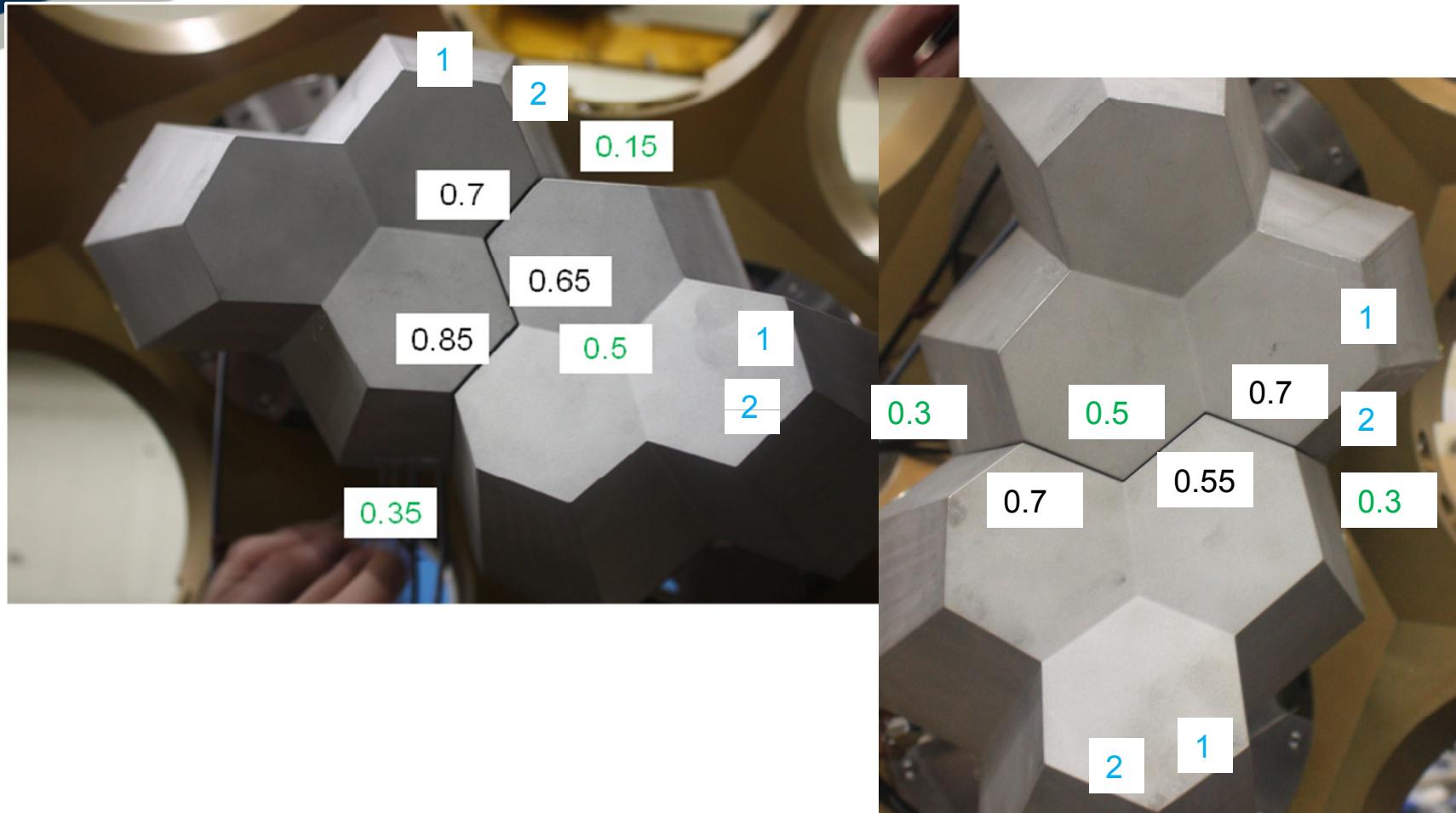
Top Plate



Bottom Plate

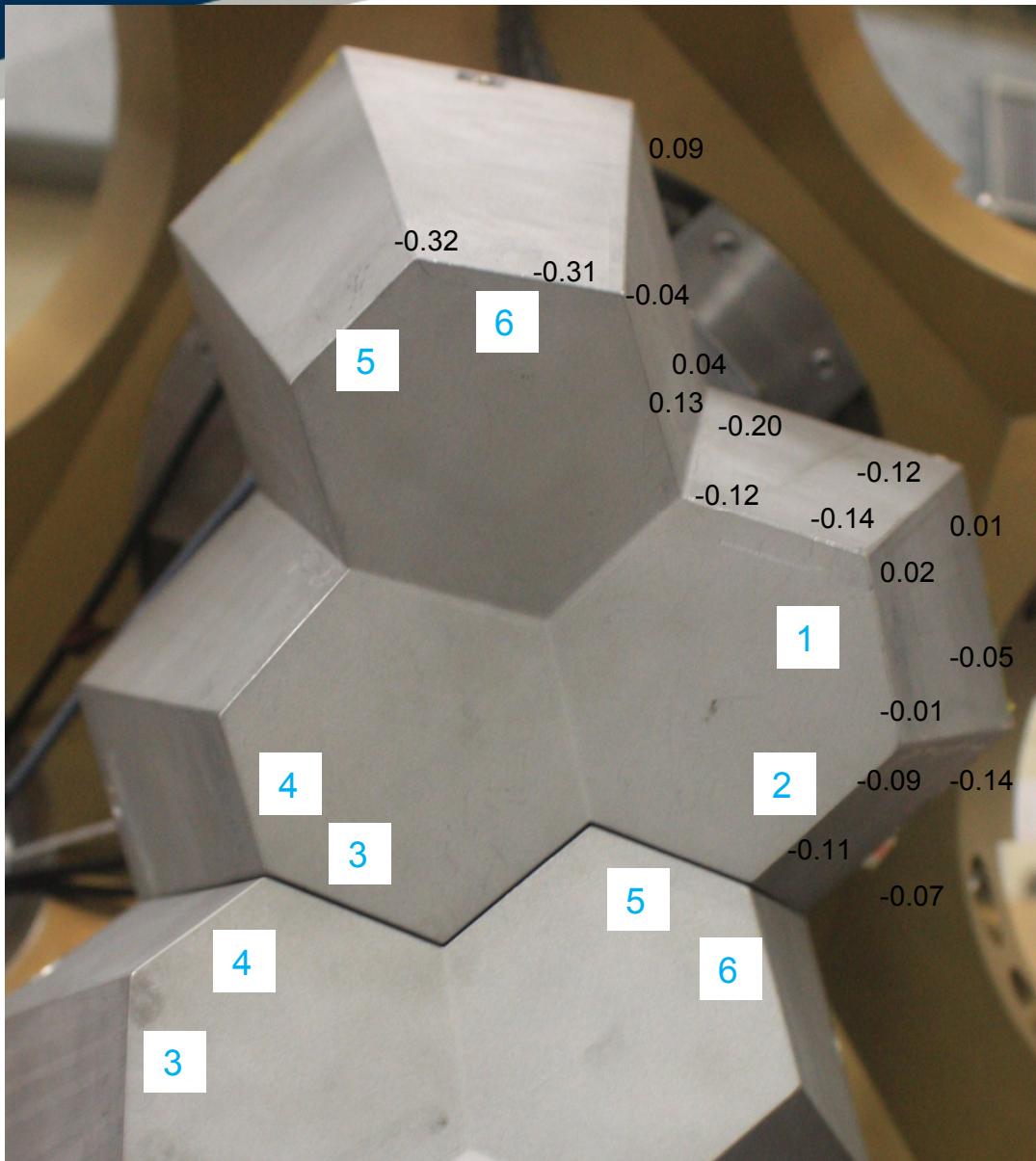


Measured values



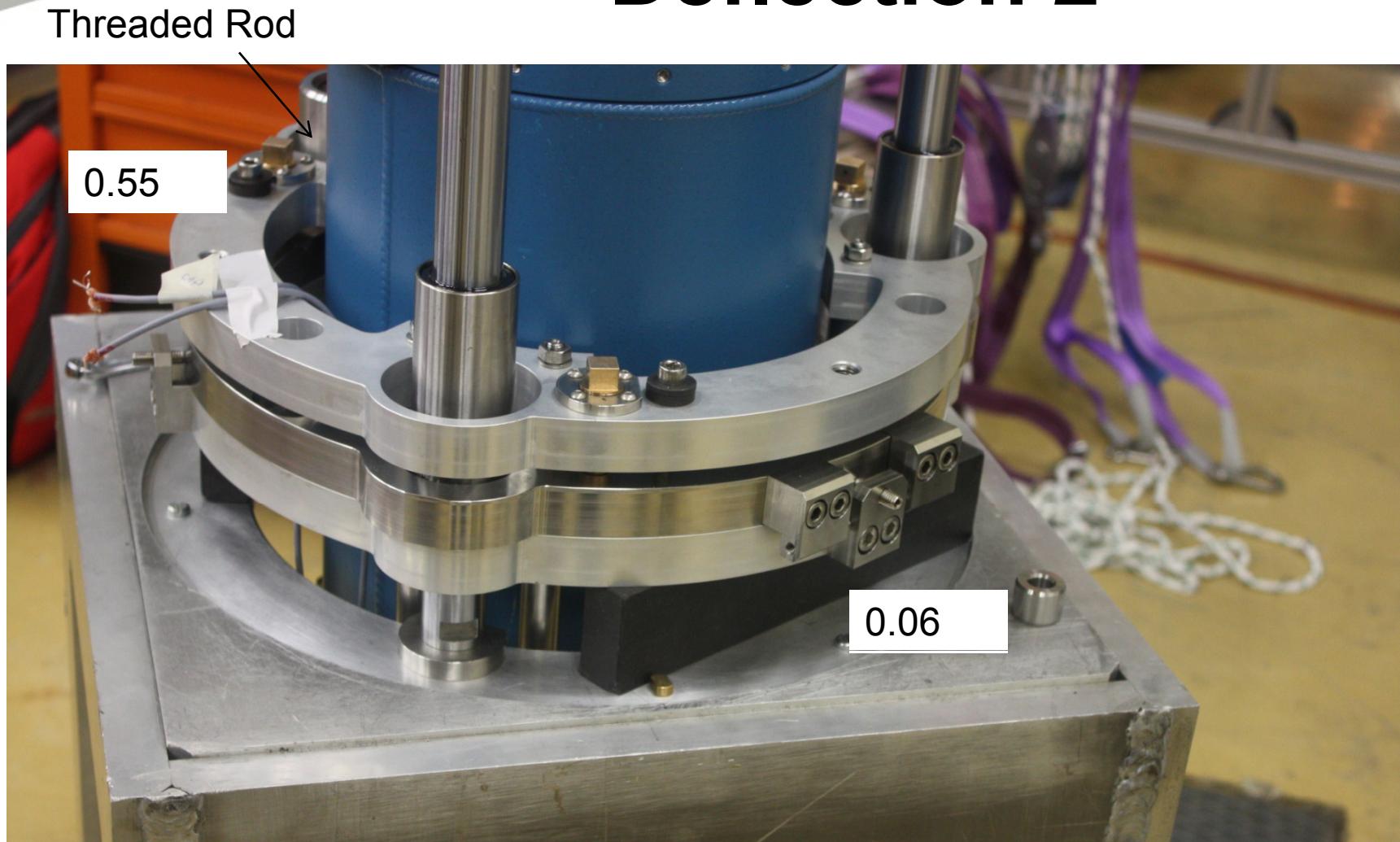


Laser Tracker values





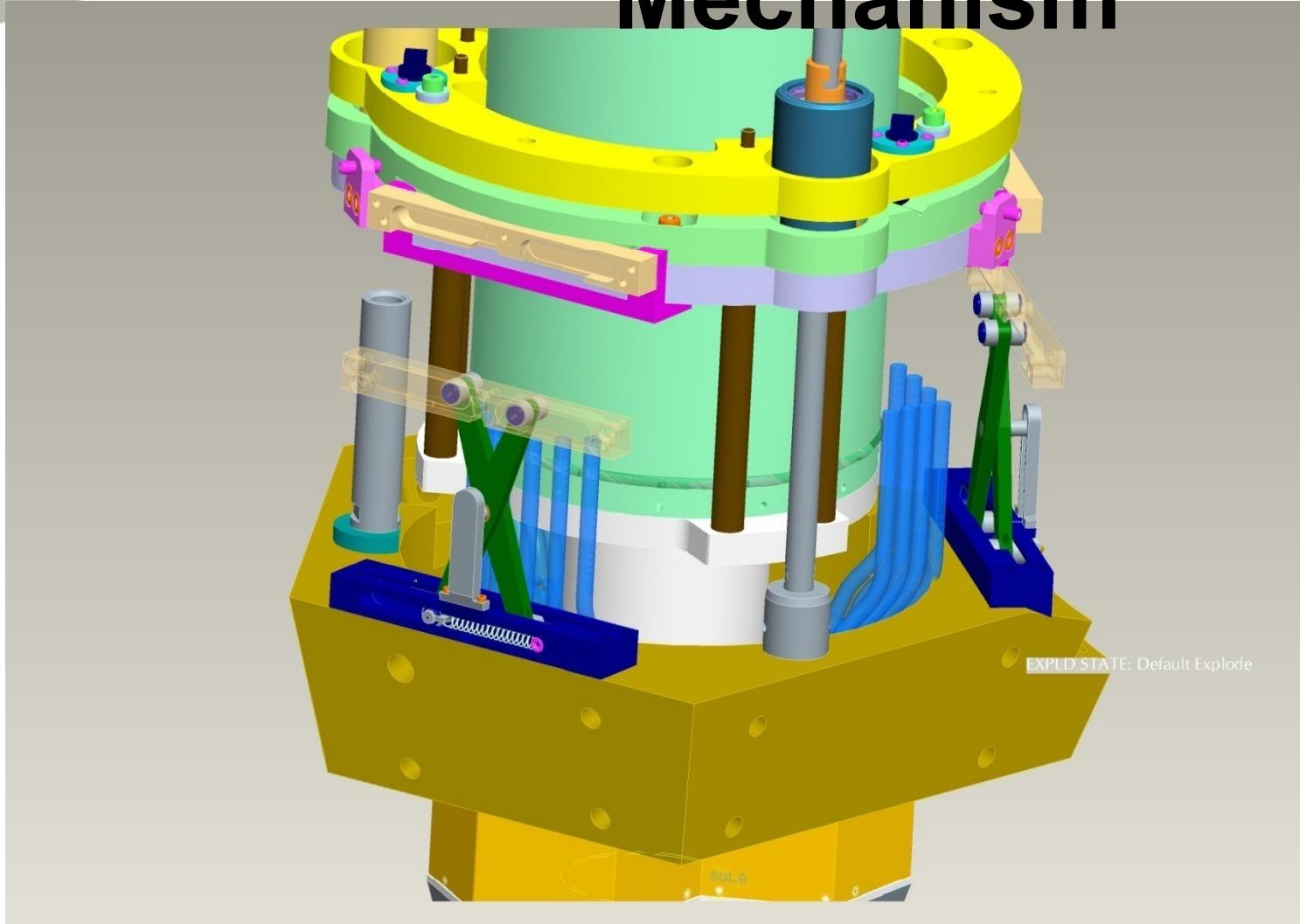
Setting Jig Deflection 2





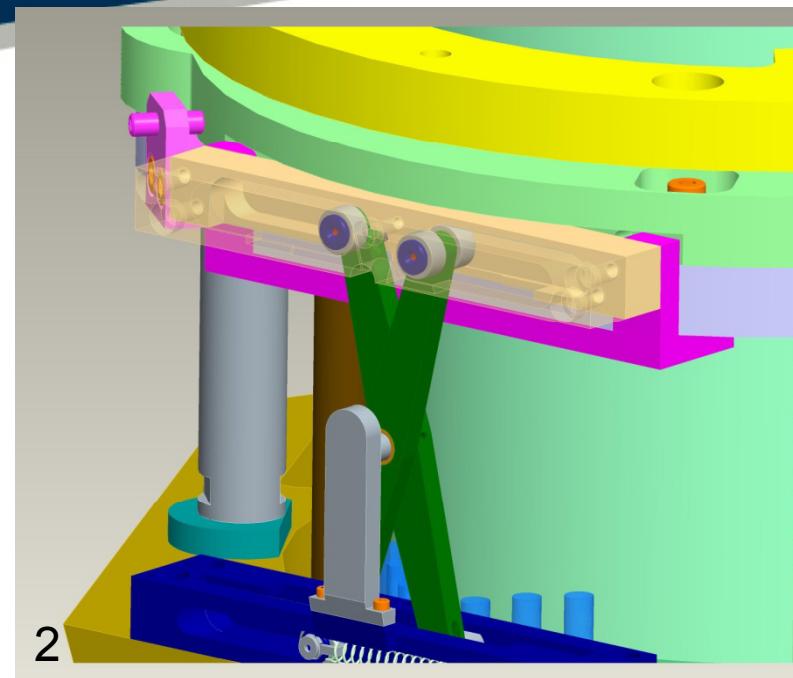
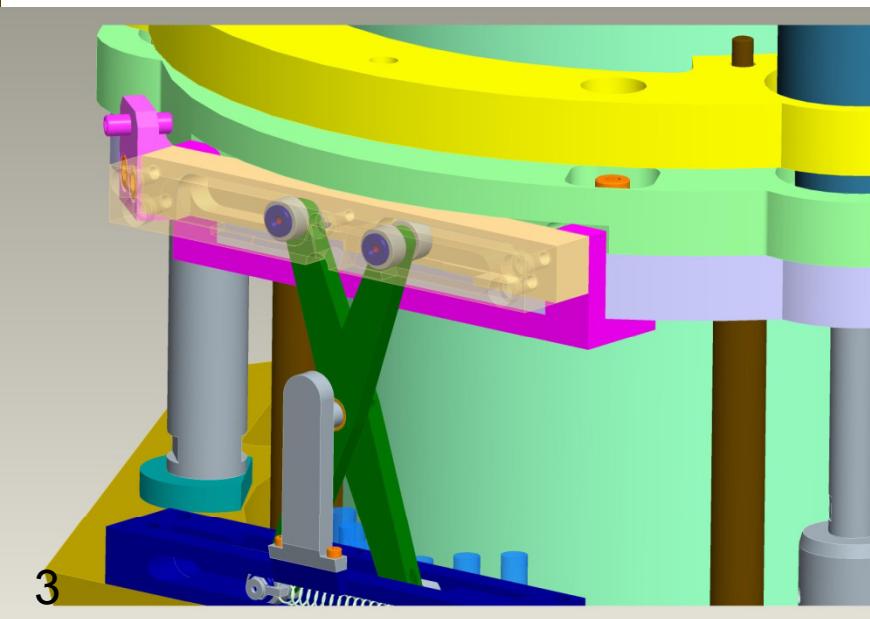
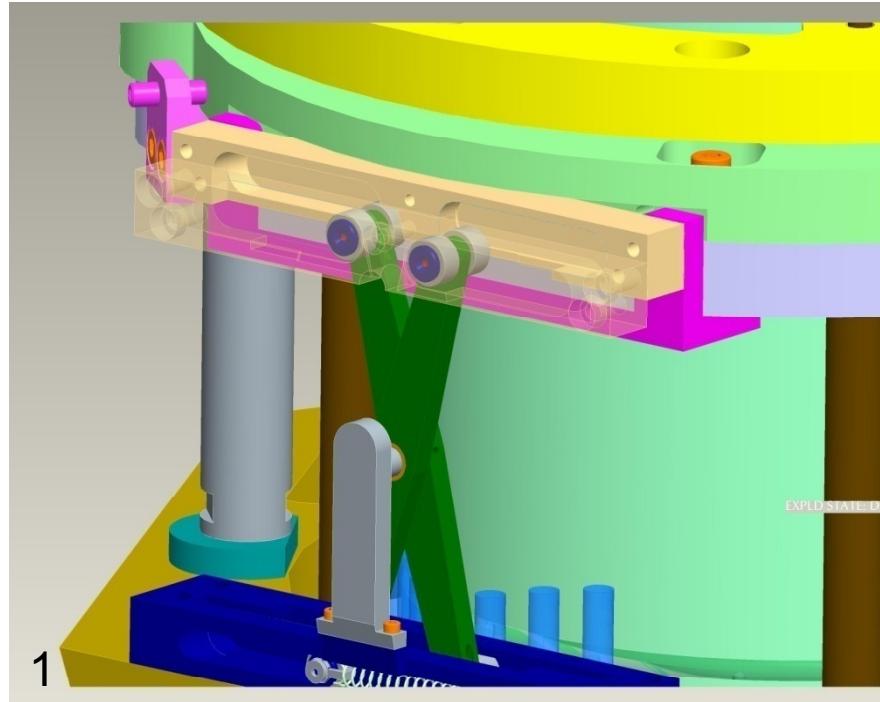
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Parallel Motion Mechanism



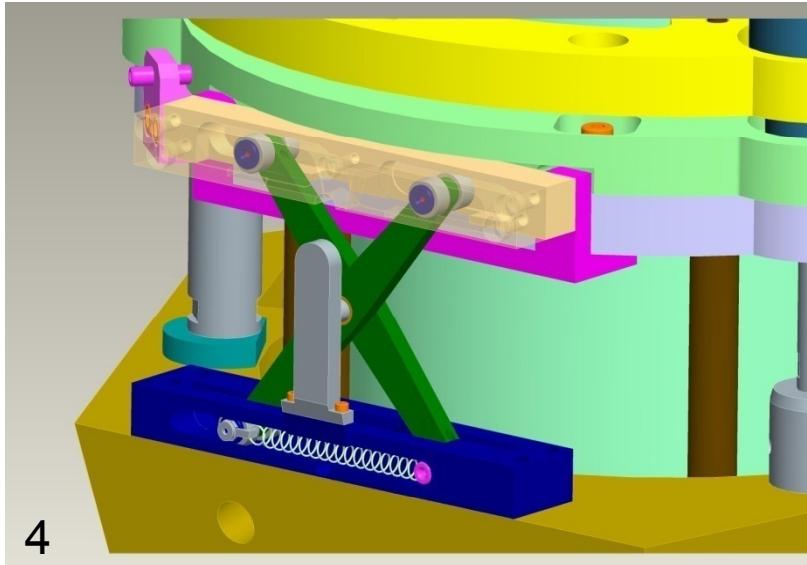


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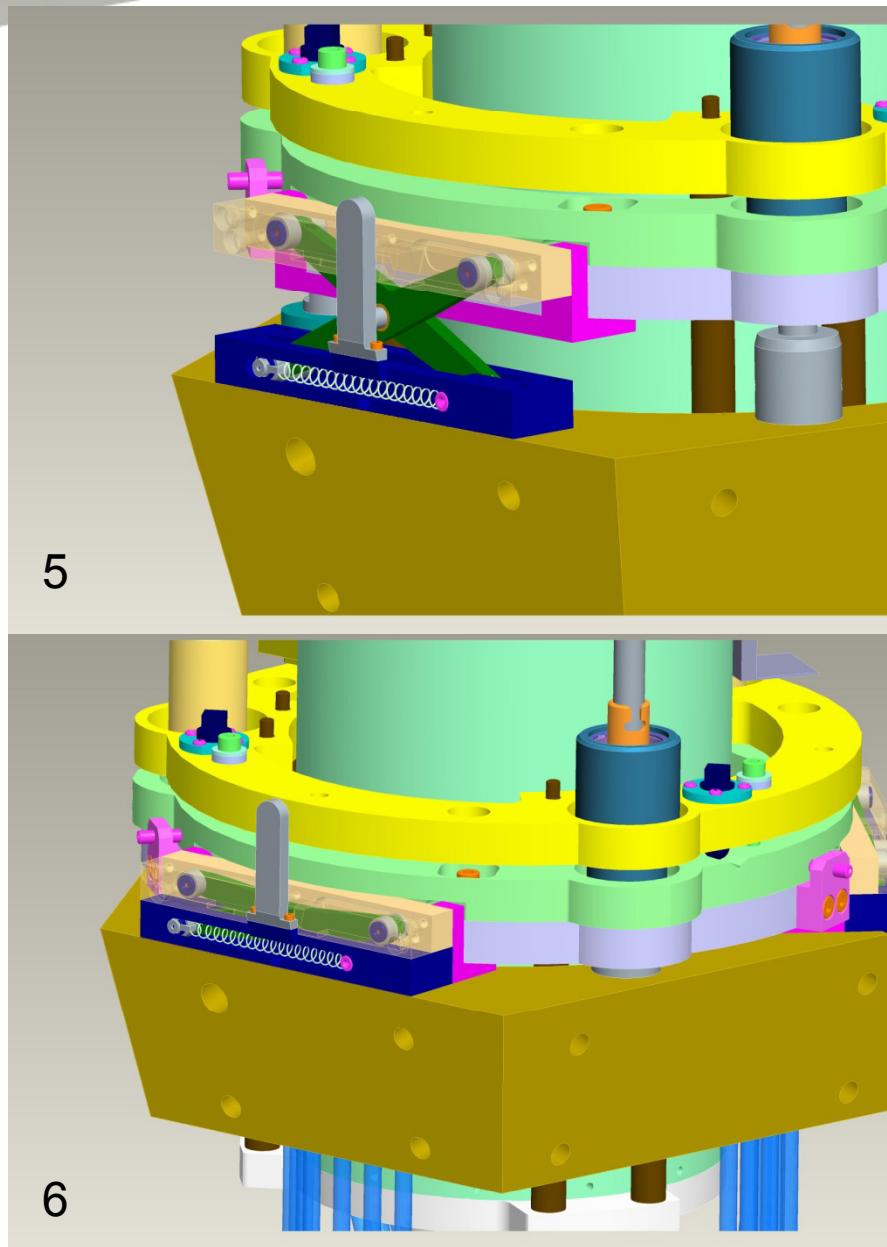




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4



5

13



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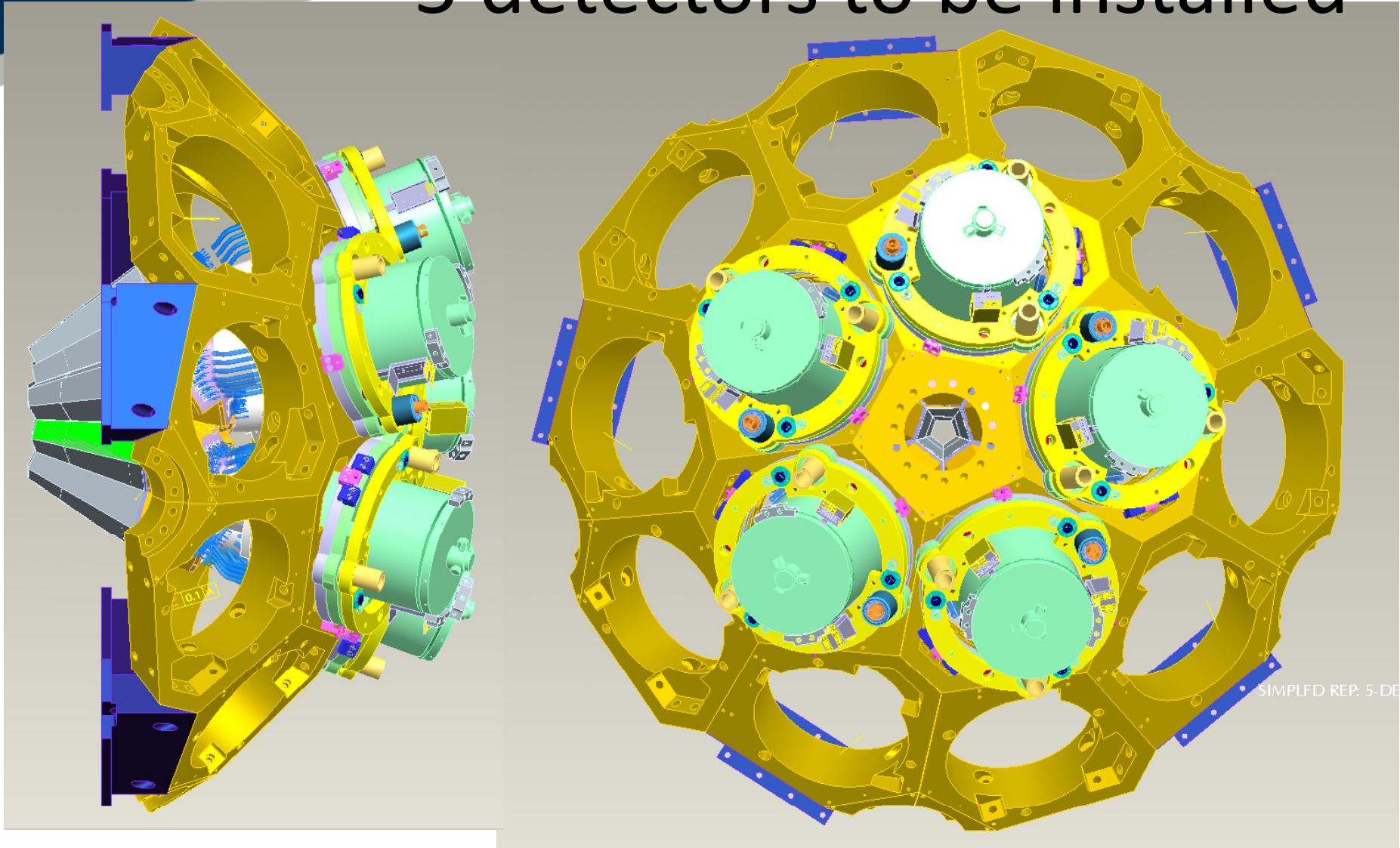
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Lifting



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5 detectors to be installed





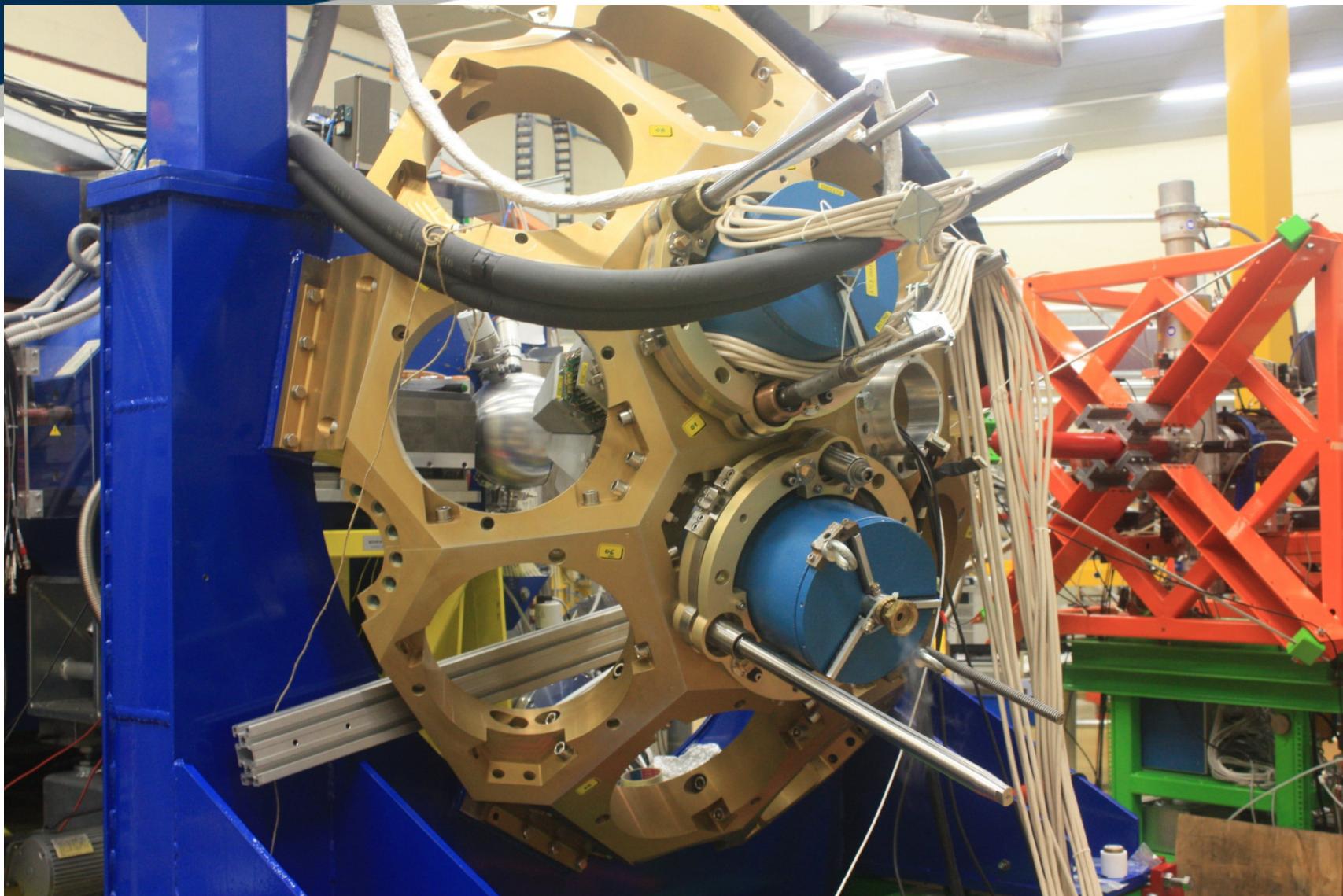
Current Lifting Arrangement

Ratchet Hoists for
Adjustment





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