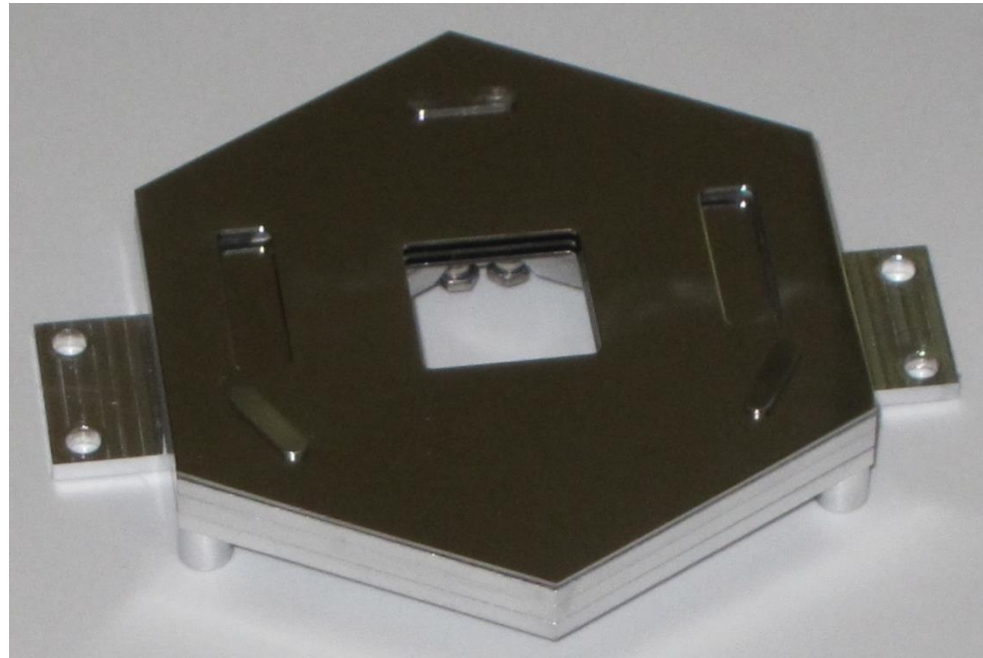
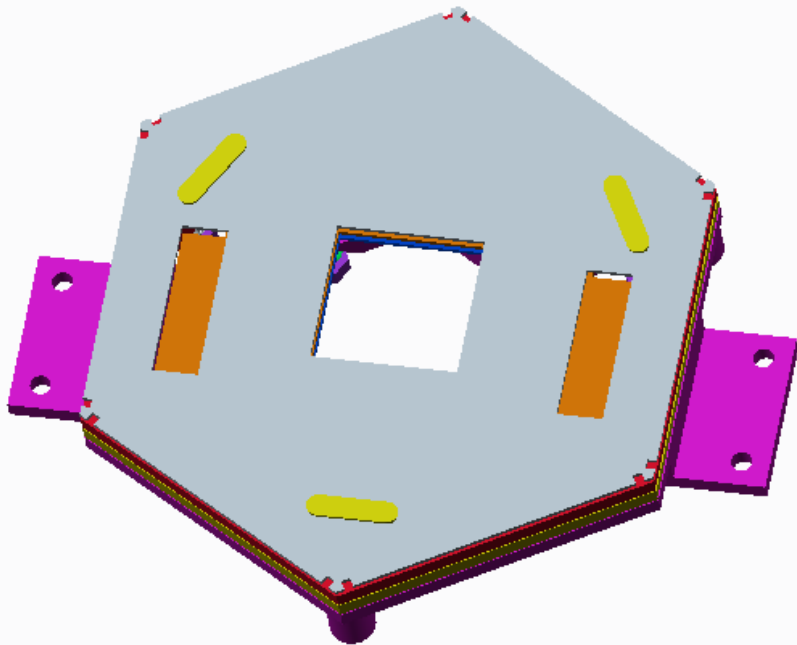


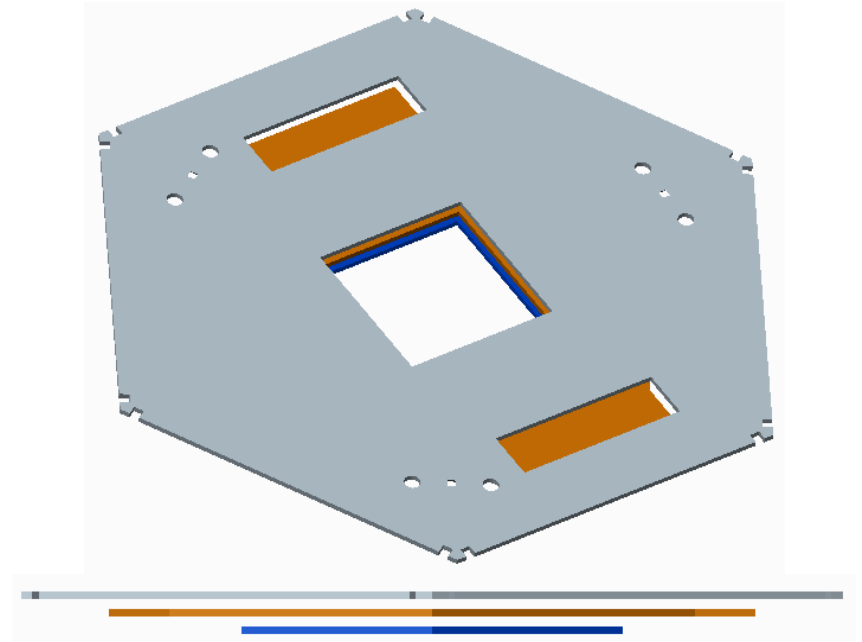
Kinematic Mounting of Stackable Multi-layer Large Format Low Temperature Arrays

S.J. Moseley, J.S. Adams, S.R. Bandler, J. A. Chervenak, M.P. Chiao,
M.E. Eckart, T. Hezsler, R.L. Kelley, C.A. Kilbourne, D.S. McGuinness,
F.S. Porter, S.J. Smith, R.M. Taylor

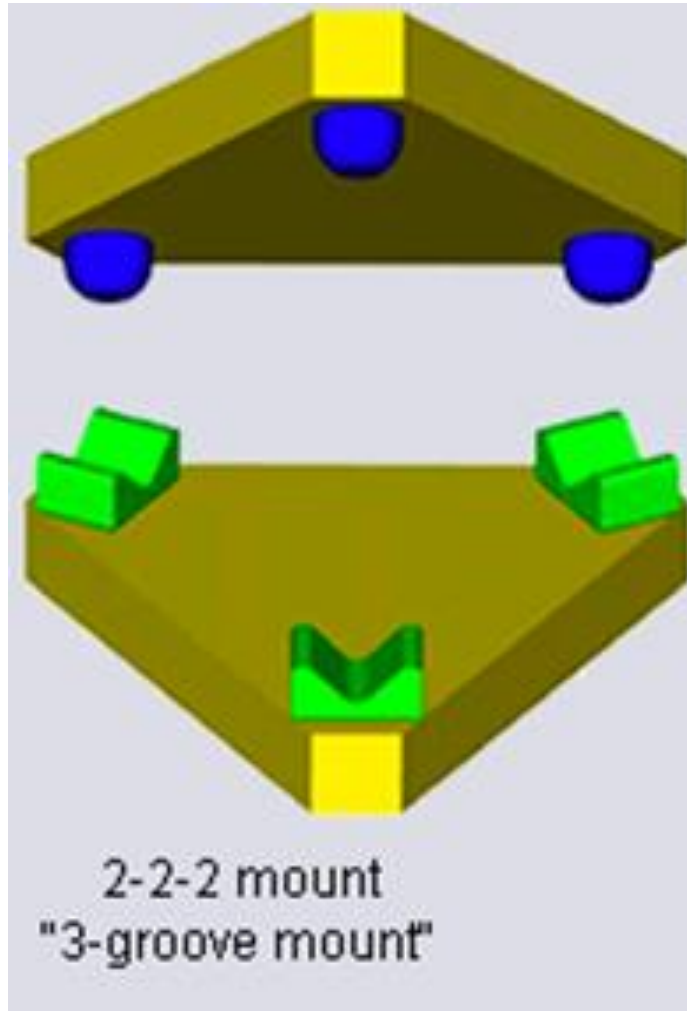


Mount Requirements

- Kinematic
- Low mass
- Modular
- Reconfigurable
- Closely stacked
- Survive launch loads

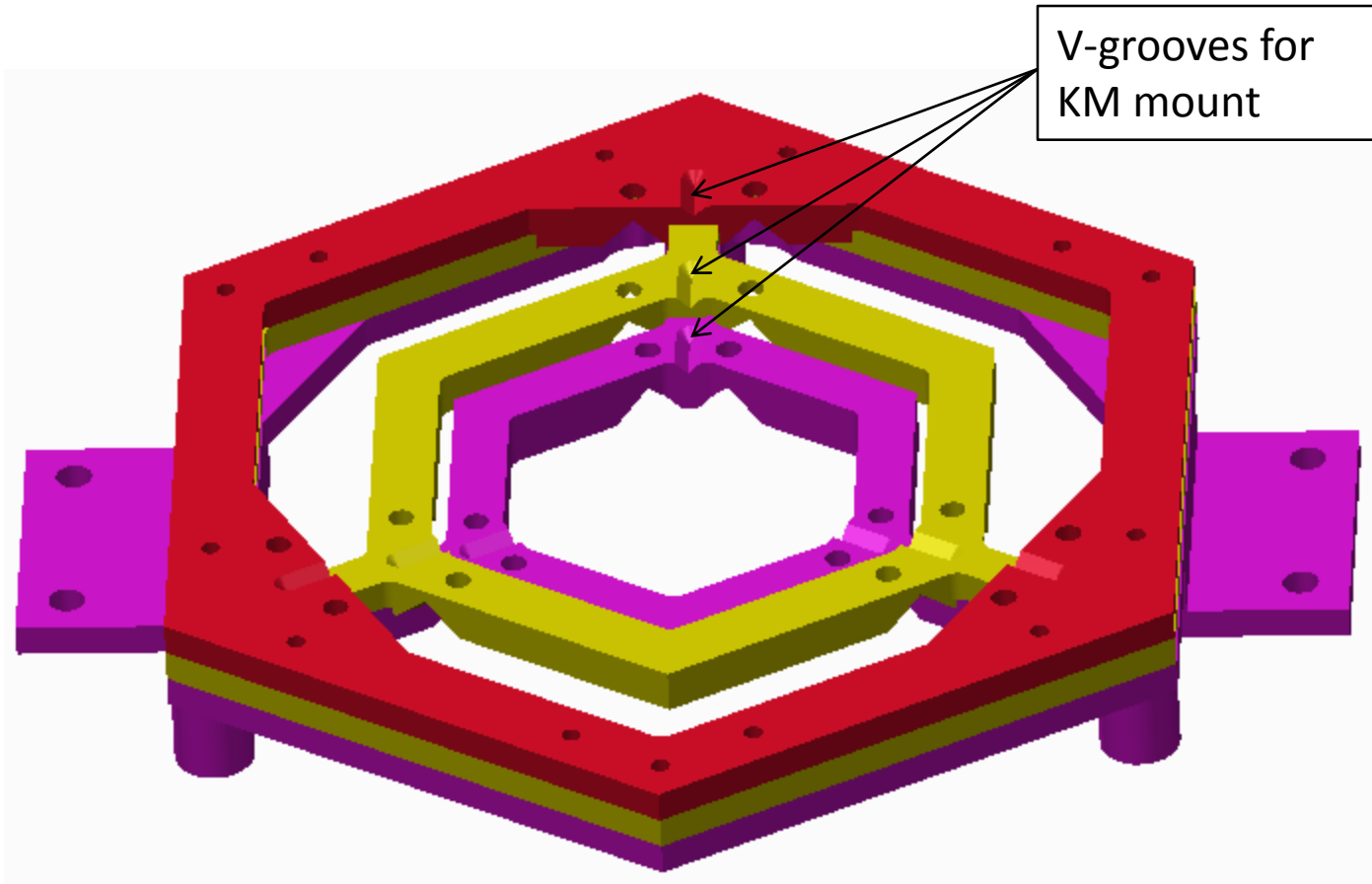


Ball and Groove

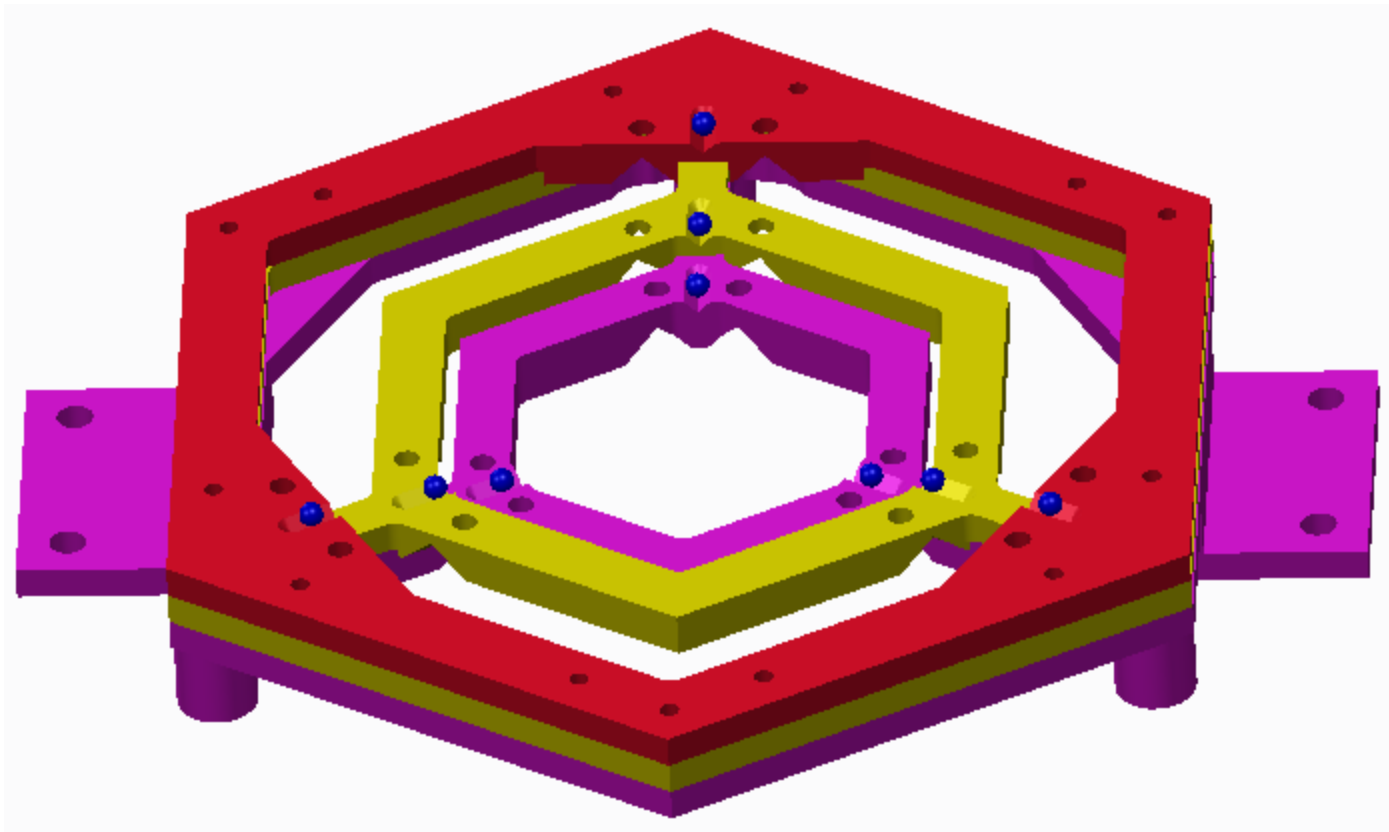


- Unique, reproducible positioning
- Does not induce internal stress

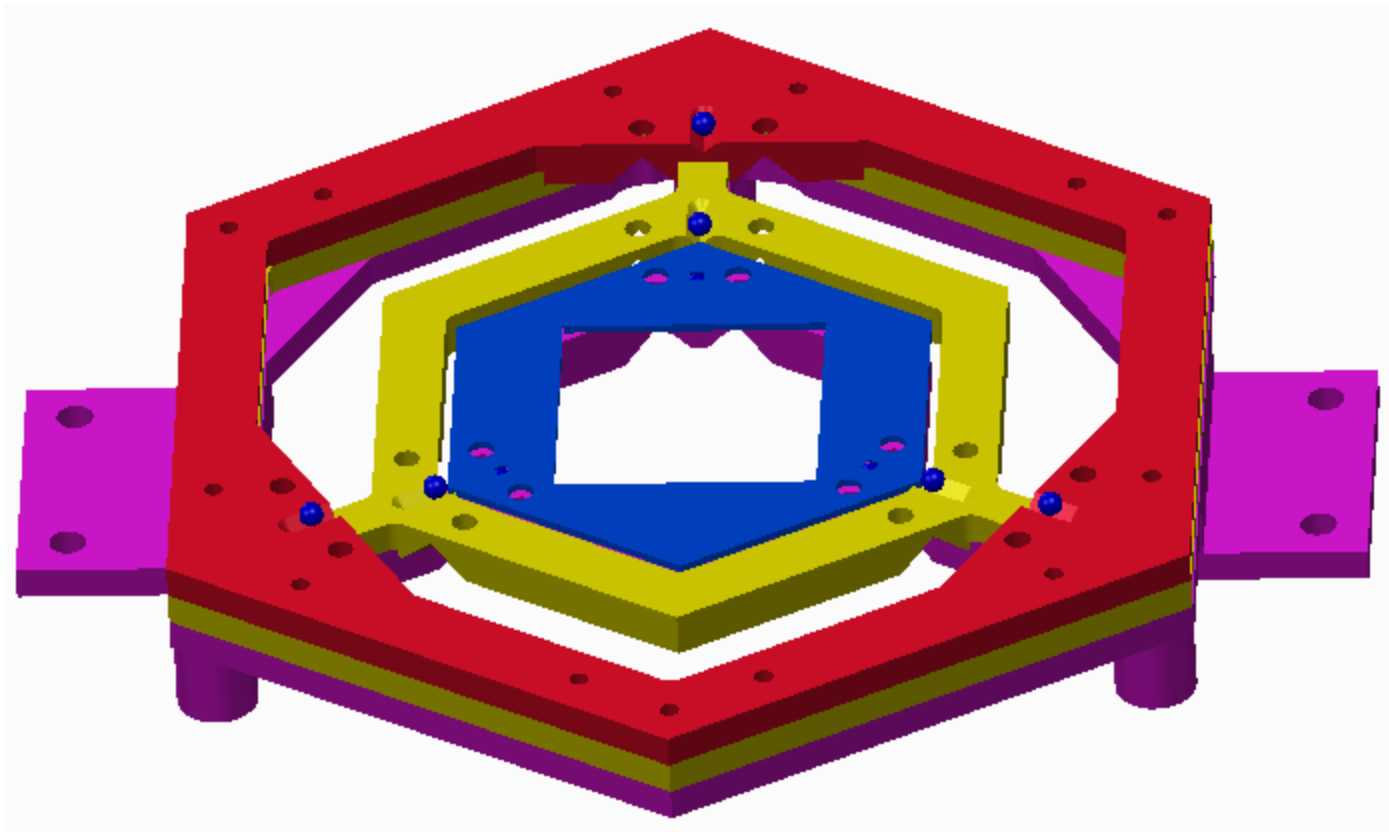
Mount Stack



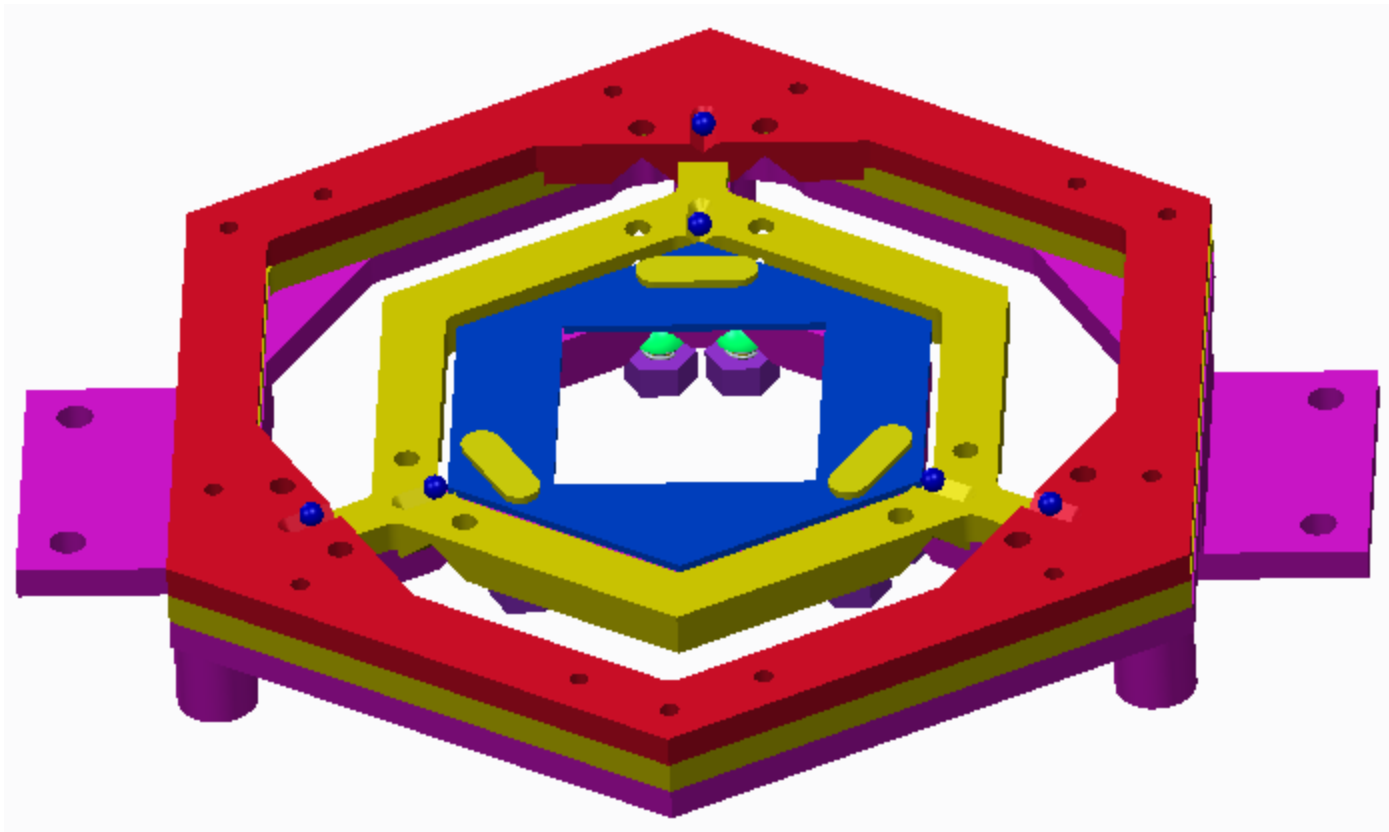
Place spheres in mounts



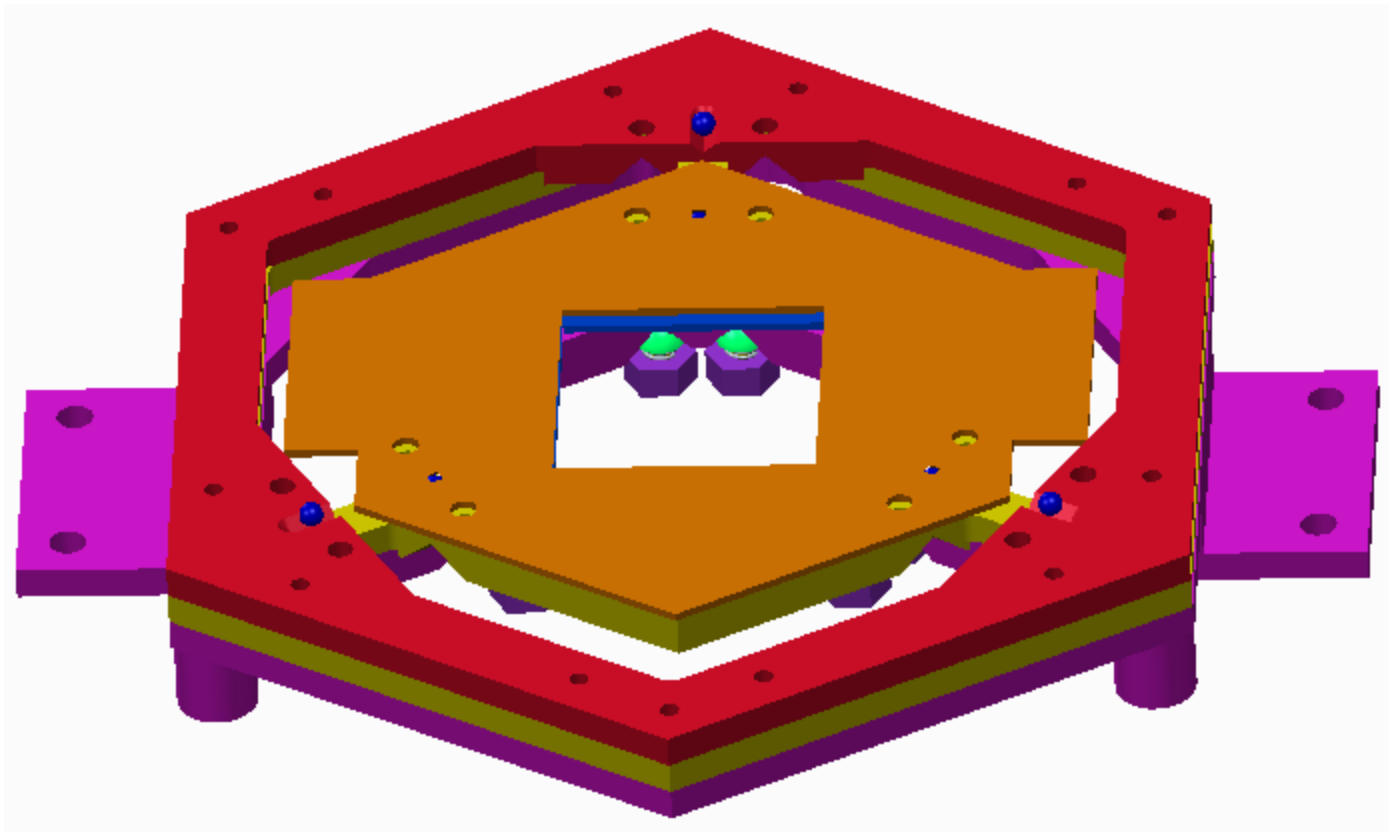
Place detector in assembly



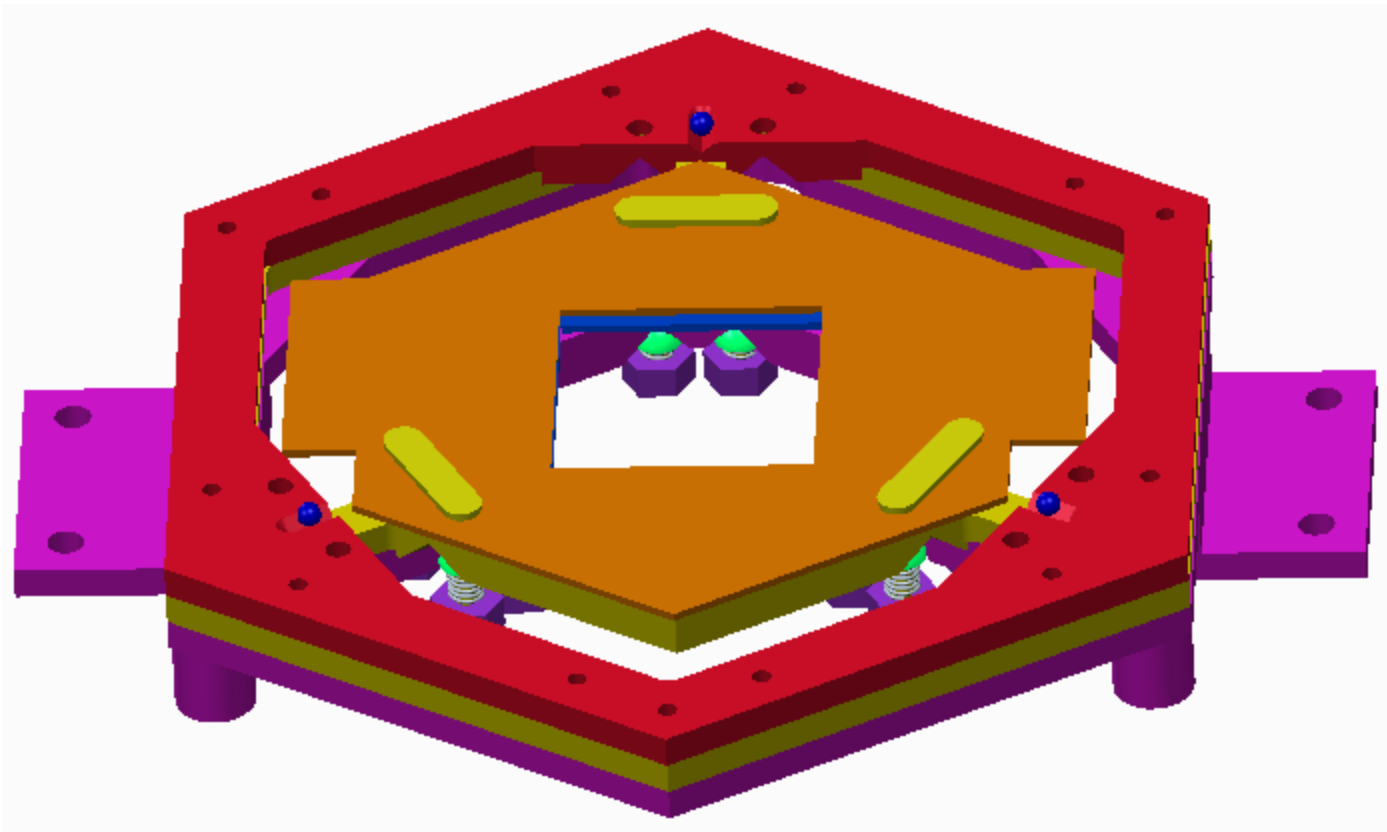
Clamp detector to mount



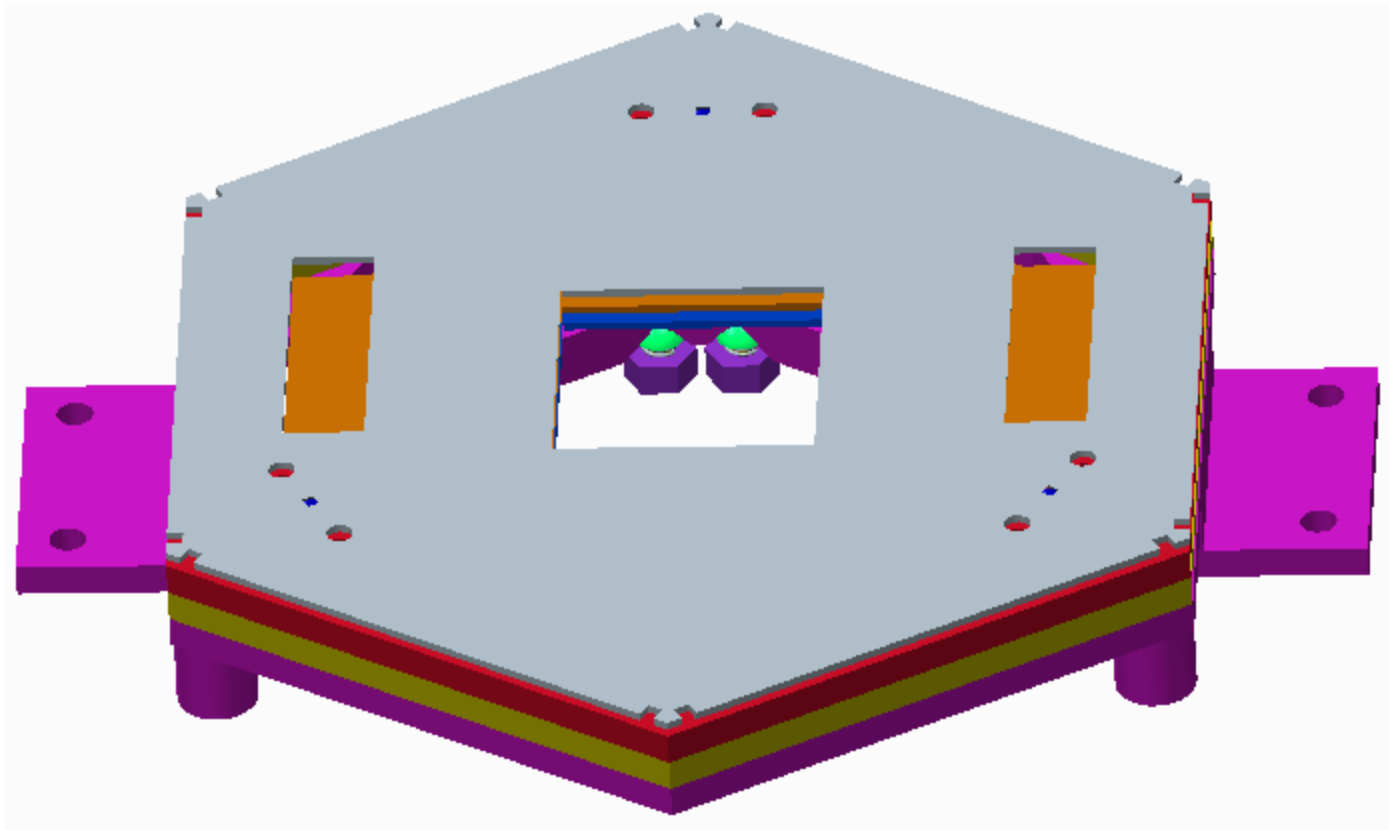
Place detector in assembly



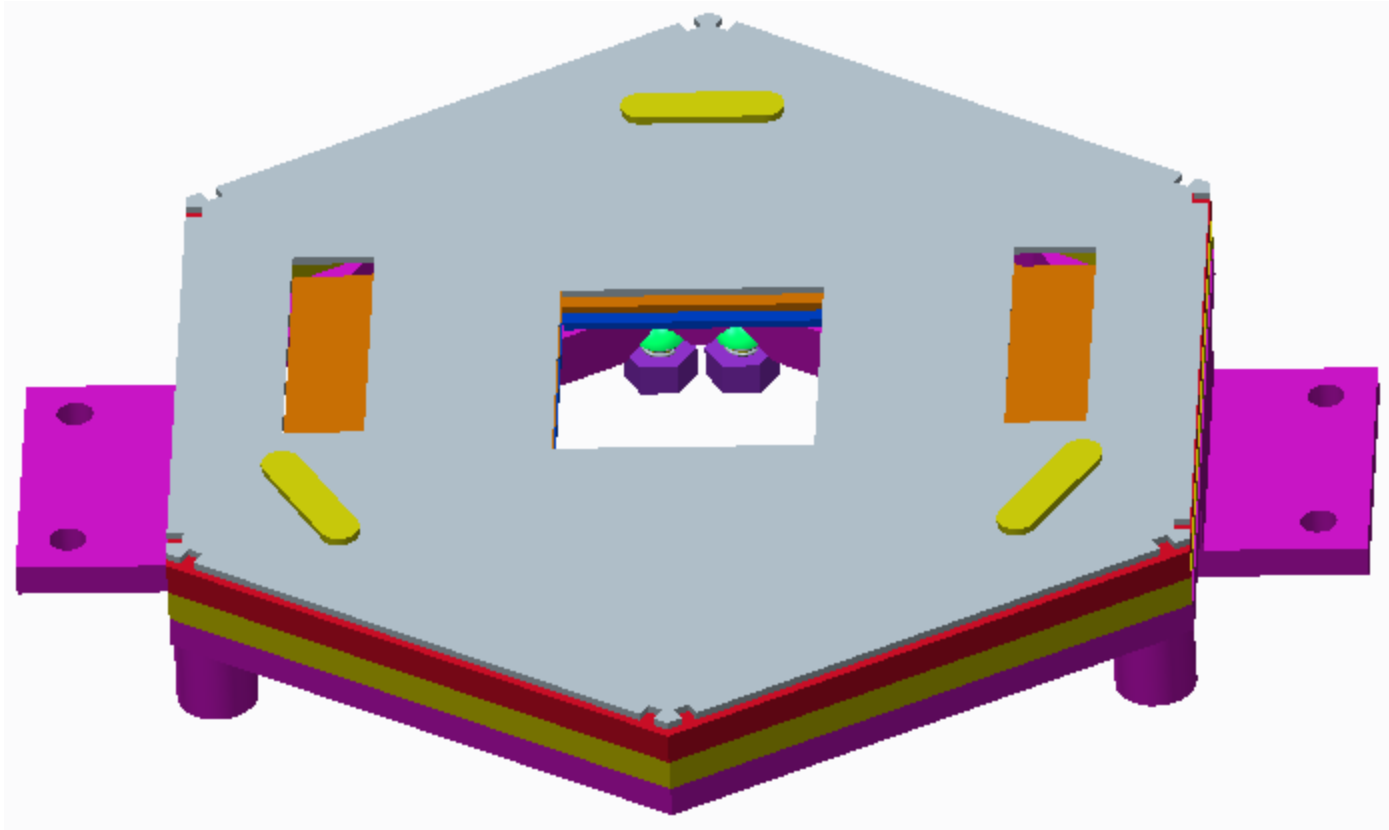
Clamp detector to mount



Place detector in sssembly



Clamp detector to mount



Assembled System

