LIGO-E0900421-v1

QUAD / TRANSMON SUSPENSION LAYOUT

Using the D060403 and Modifying the Mass to 40kg within the Upper Quad Suspension frame
November 18, 2009, KEN X8445

The diagram below shows the relation of the quad suspension and the top part of the of the quad suspension that serves as the TransMon suspension.

- 1. The limits are the table ring and the TransMon SUS Frame.
- 2. The telescope frame (below) and distance from the quad structure
- 3. Moving the interior envelope in the upper quad suspension structure forward toward the Quad will bring the telescope closer below.
- 4. Keeping the telescope where it is and moving the internal envelope would make the TransMon SUS frame interfere with the Table Ring
- 5. These limits can be played with by counter massing the Tele or making a new suspension structure frame to better clear the table ring.

