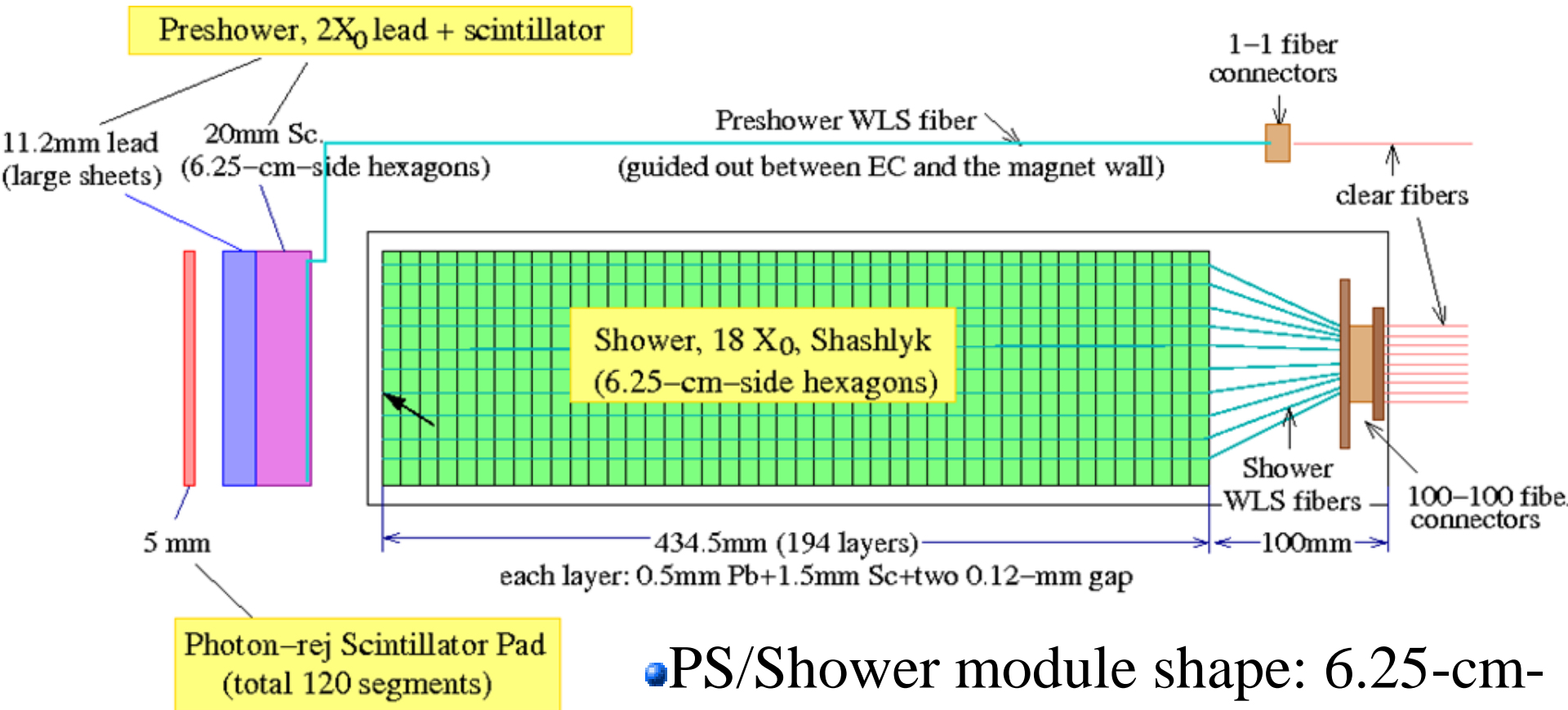


Module Design @ last meeting

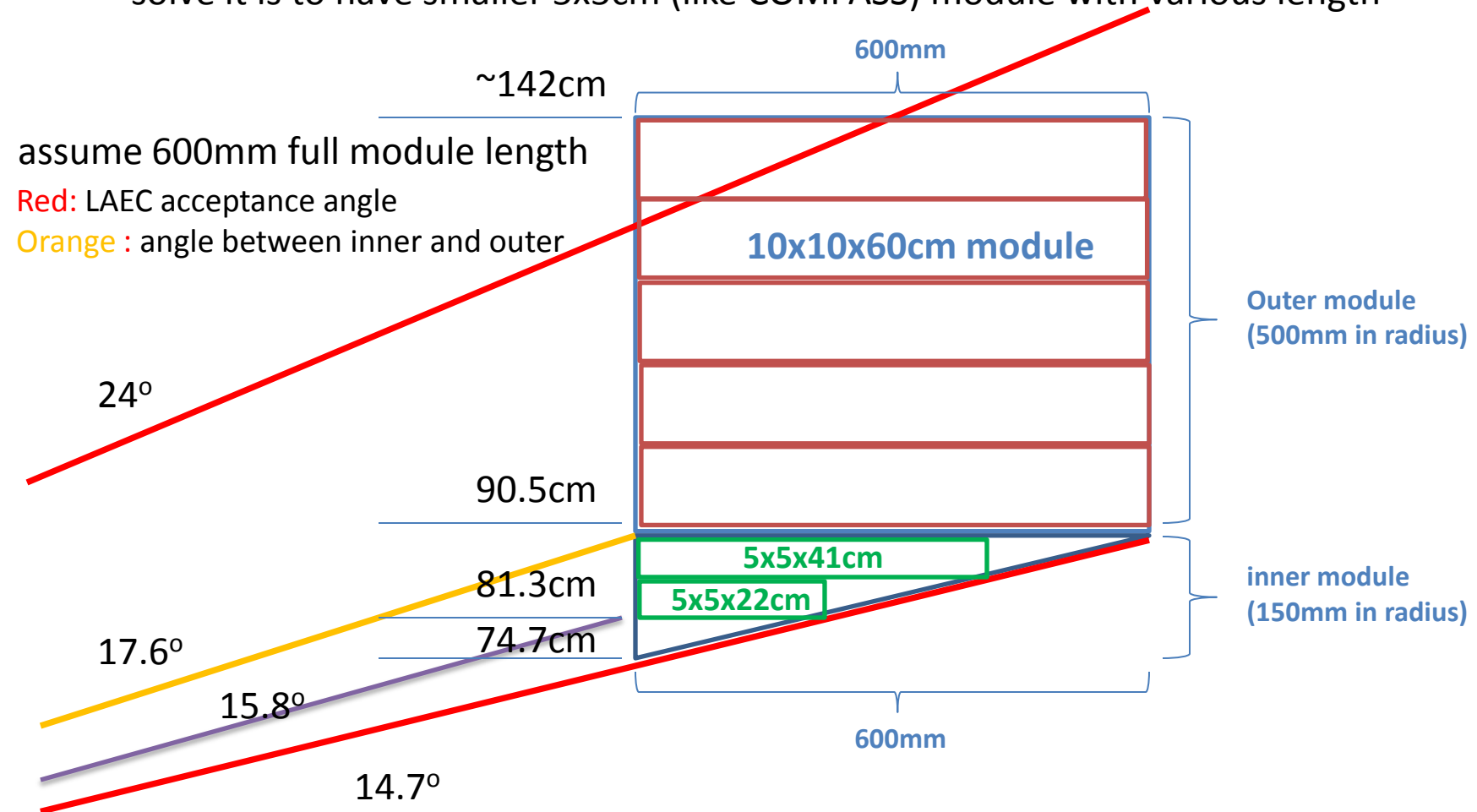


- PS/Shower module shape: 6.25-cm-side hexagons (100cm^2)
- SPD: only basic design for SIDIS LAEC, no detailed segmentation

Large Angle EC (side view)

(old with square blocks and 600mm length)

- We want to cover full azimuthal angle and leave no gap between modules, so module can not be tilted and need to be along Z axis
- Prefer having short outer module so that the outer module area can cover more and inner module area can cover less
- Inner module need to be special shape to avoid blocking acceptance. One way to solve it is to have smaller 5x5cm (like COMPASS) module with various length



Large Angle EC (side view)

(new with hexagon blocks and 500mm length)

- We want to cover full azimuthal angle and leave no gap between modules, so module can not be tilted and need to be along Z axis
- Hexagon layout indent into each other. Layer distance is only half of module thickness
 $5.5\text{cm} = 11\text{cm}/2$
- Inner module need to be special shape to avoid blocking acceptance at forward angle. One way to solve it is to have **one layer of 300mm long module which can cover down to 16.3 degree. From 14.85-16.3 degree, LAEC can still accept, but with degraded performance.**

