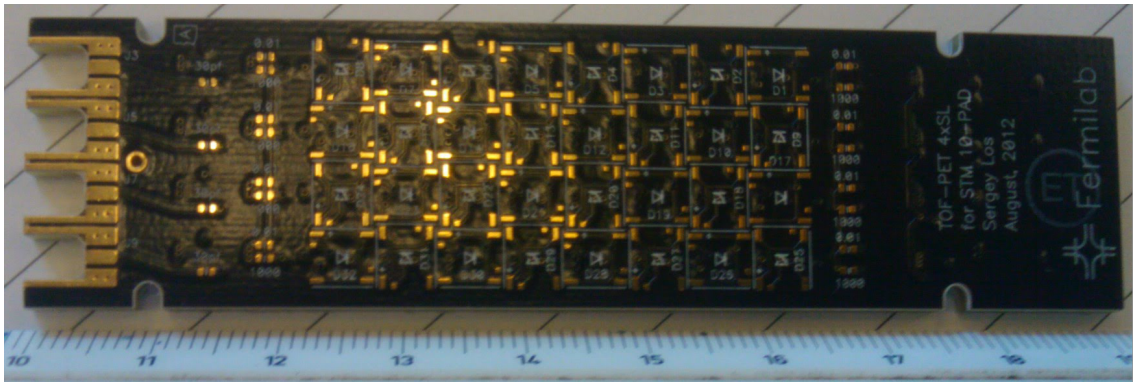
Brain imager geometry based on the stripline board by Sergey

PET-TOF

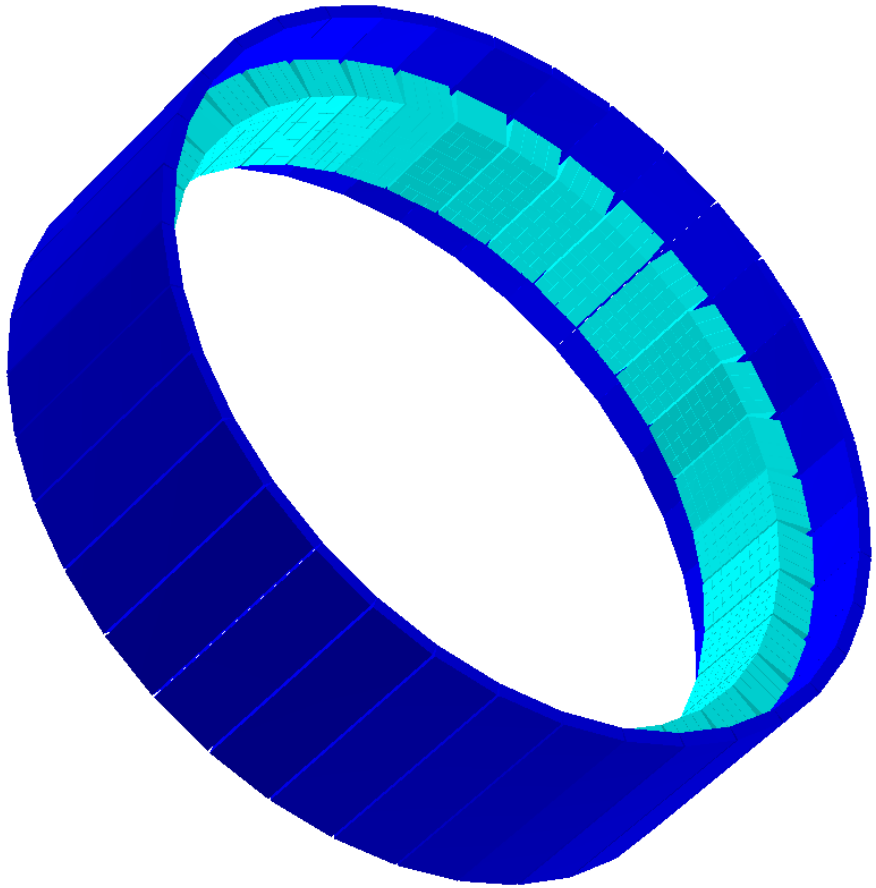
October 8, 2012

4x8 Stripline board by Sergey



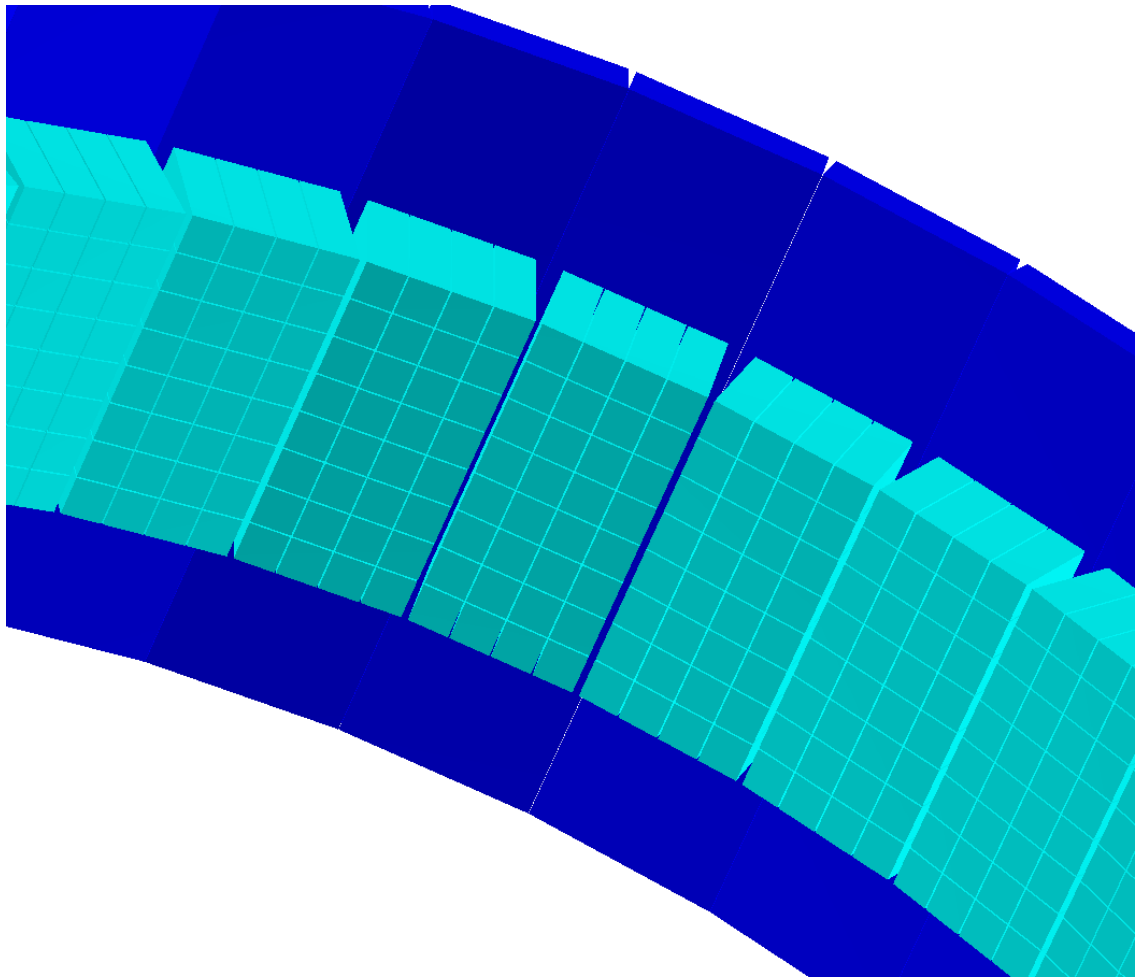
- stripline board dimensions shown: 24x90x3 mm
- holds 4x8 SiPMs, about 24mm from each side not used by crystals

Brain imager geometry



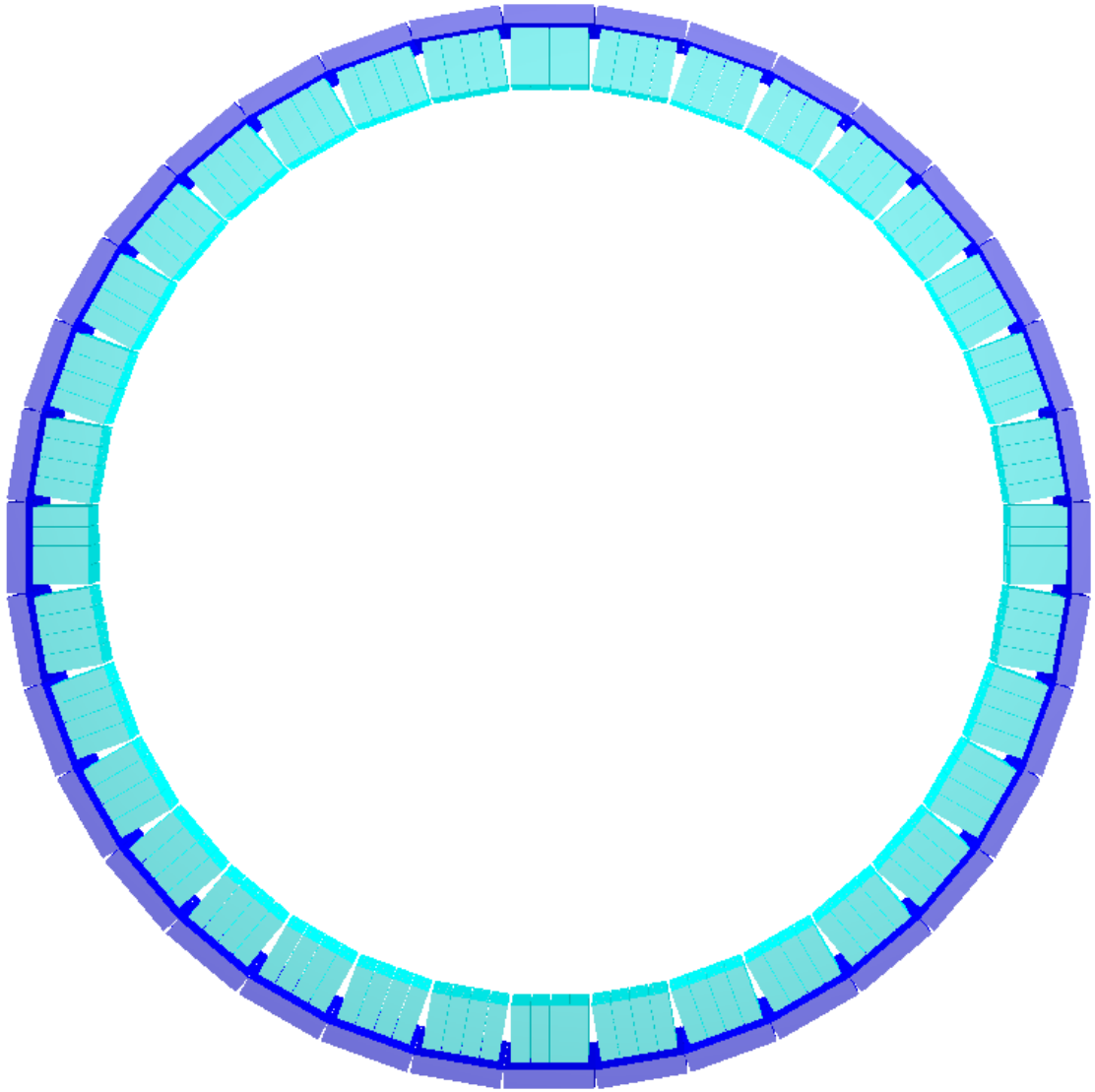
- stripline board dimensions shown: 24x90x3 mm
- crystals, as shown: 5x5x15 mm, pitch 5.2 mm
- inner radius of the boards: 140mm, for 135mm boards start overlapping

Brain imager geometry - II



- location of the crystals corresponds to the board design

Brain imager geometry - III



- side view, inner diameter - 24.4mm

Thoughts

- would adding the second ring require changing the stripline board design?