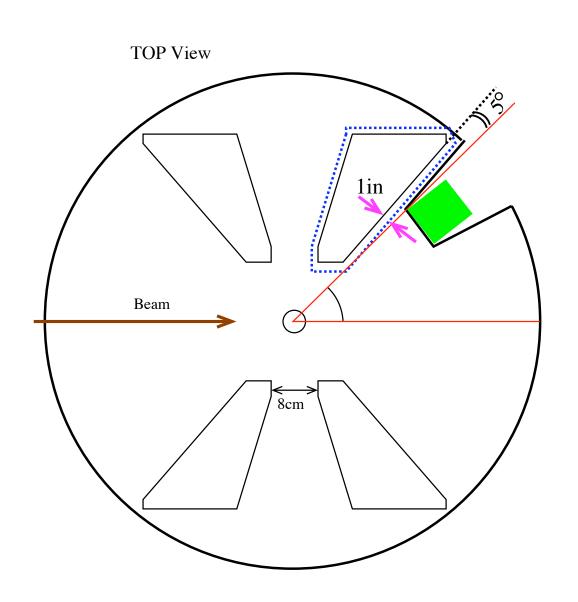
Update on Target Vacuum Can Shigeyuki Tajima

Jan. 14, 2005

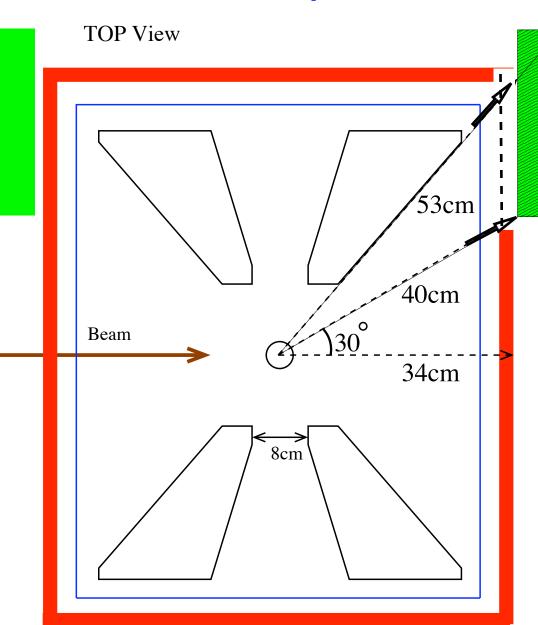
- Design of OVC for SANE and Semi-SANE
- Need to decide the shape of target can
- Need to determine window locations and dimensions

Shape of Target Can: Option A: Re-entrant Cone



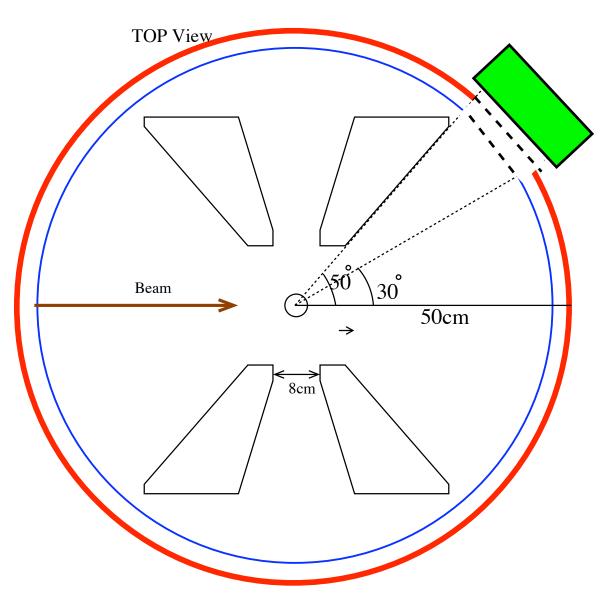
 BETA acceptance is reduced by at least
5^o due to insulating material around the coil (I-in thick) and re-entrant wall

Shape of Target Can: Option B: Square Can



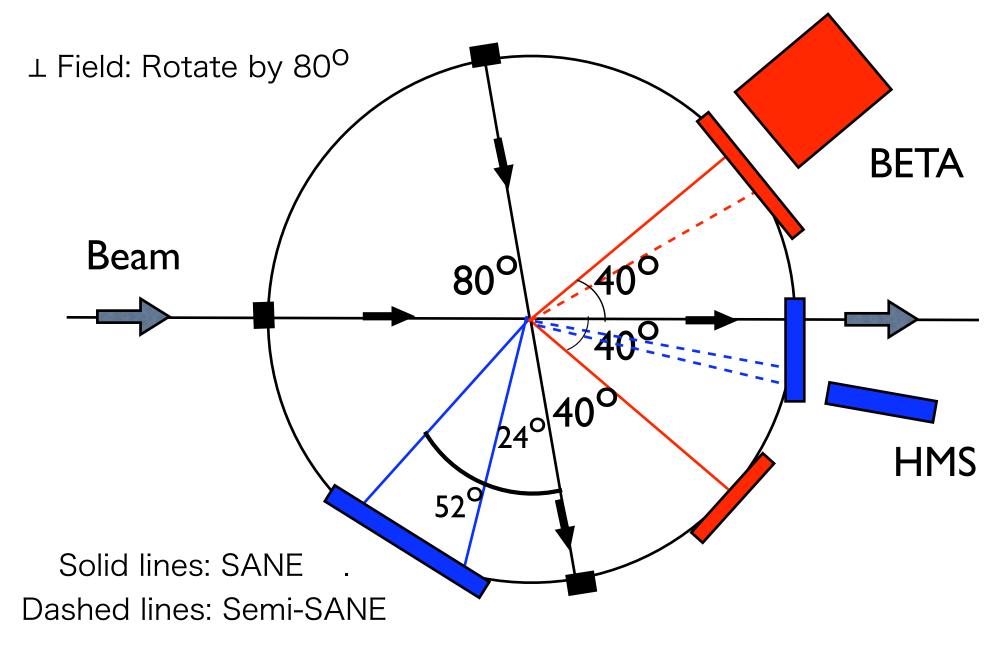
- Outer wall will be very thick
- Distance from the target varies (about 40 cm to 53 cm)
- Position resolution not uniform over the detector

Shape of Target Can: Option C: Cylindrical can



- Distance from the target to the detector: ~50 cm
- Most reasonable shape

Target Window Openings (Preliminary)



Window locations and dimensions (Preliminary)

- Window dimensions estimated using a ray-trace program
- Beam entrance/exit, HMS, BETA

