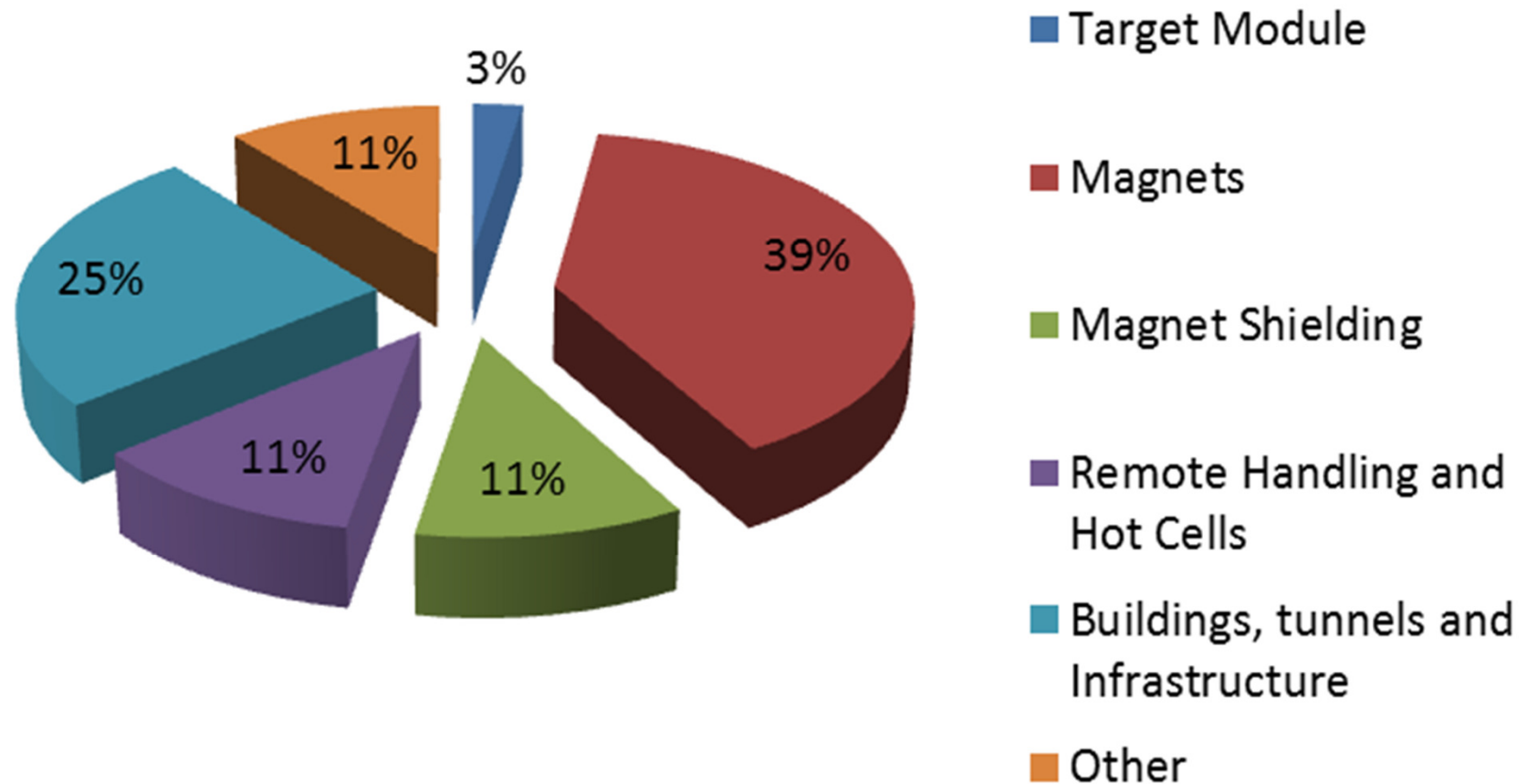


Status of Costing the Neutrino Factory Accelerator Facility

Target, Capture and Decay System



Target, Capture and Decay System

- Liquid mercury baseline option.
 - Based on as built cost of SNS target (information from Van Graves).
 - Volume of mercury is similar.
- Capture solenoid and taper to 1.5T design and costing by Bob Weggel.
 - Estimate based on material costs (superconductor, copper, stainless steel, etc.)
 - Need to include cost to power the magnets.
 - Tungsten shielding included.

Target, Capture and Decay System

- Chicane and proton absorber design by Chris Rogers.
 - Design is work in progress.
 - Included in cost estimate using crude scaling of decay section solenoids by me.
 - Tungsten shielding for superconducting coils included but this may change.
- Decay section from Bob Weggel
 - Same details as the capture solenoid.
- All other costs scaled from LBNE design.