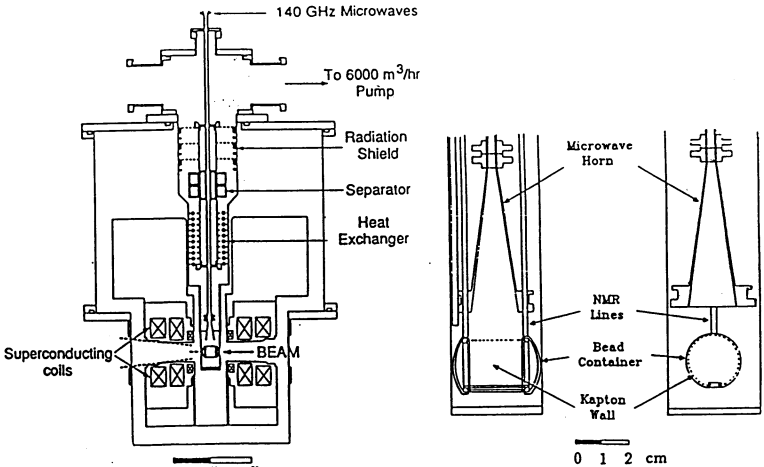

Figure 2. Diagram of the Michigan polarized-proton-target is shown on the left[4]. The superconducting magnet produces a highly uniform 5 T field. At 1 K, the ^{4}He cryostat provides about 1 watt of cooling power to the target material in the small cavity at the bottom. The 140 GHz microwaves, from a 20 watt Varian EIO, are fed into the target cavity via the horn. Expanded views of the small target cavity are shown on the right.