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Sketch of Future Activities:  
Muon Accelerator Program  
Technology Development  
Targets and Absorbers

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# MAP Target and Absorbers Technology Development

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Only well-defined activity is "post mortem" of the MERIT primary containment vessel; inspect for pitting (ORNL, FY10).

Target issues that may deserve future hardware studies are:

- Nozzle design
- Mercury pool configuration
- Radiation shield for superconducting solenoids (baseline concept: tungsten-carbide beads + water)

Hardware activity is pending results of engineering studies/simulations (ORNL, Stony Brook),  $\Rightarrow$  Action here not likely before FY12.

Absorber R&D not presently foreseen, but may be proposed based on results from the MICE experiment.

