

Targetry Reorganization in MAP

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- target system is very complicated
- many interrelated subsystems
 - Hg jet, nozzle, Hg plumbing, coils for 20 T, dump, shielding, target hall, ...

Original MAP proposal (2008)

- provided a Level 2 box for Targetry
- targetry effort was split between Design & Simulation (D&S) and Technology Development (TD)
- major simulation effort in D&S involved fluid flow and MHD
- very different from other beam dynamics work in D&S
- engineering design in D&S related to hardware development in TD

Revised R&D proposal

- moves all target D&S design and engineering to Target box in TD
- allows better control over scheduling work and setting priorities

1) target-related simulations for NF

0.6 scientist-years x \$330K = \$198K

0.5 postdoc-years x \$181.5K = \$91K

0.1 engineer-years x \$308K = \$31K

2) target-related simulations for MC

1.7 scientist-years x \$330K = \$560K

1.5 postdoc-years x \$181.5K = \$272K

0.2 engineer-years x \$308K = \$62K

3) target facility design

3.5 engineer-years x \$308K = \$1078K

0.6 technician-years x \$181.5K = \$109K

Total = \$2401K