## MAP Statement of Work FY12

UCLA	
Total: \$144K (6 months)	
SWF: \$134K	
Engineers: FTE Technicians: FTE Scientists: FTE Post Docs: FTE Students:	Institution to provide
M&S: \$10K	
M&S Usage:	
(i) MAP-related travel, including M	ICE operations.
Description of Work:	
of muon collider cooling channels, includi	n collider design studies. Activities include simulations ng cooling rings and the 40 T final cooling channel. For high-power MC/NF targets and energy deposition
Milestones [Description; deliverable; de	elivery date]:
<ol> <li>Create a systematic algorithm for s cooling channel; report; Q2.</li> <li>Optimize performance of the dipole RF and absorber parameters; report</li> </ol>	adies for a gallium target for the MC/NF; report; Q2. tudying matching between stages of the 40 T final e-solenoid cooling ring by examining variations in the t; Q2.
Approvals [Name, Date]:	
D. Cline	S. Geer
Institutional Representative	MAP Director