

# Monthly L2 Status Report -

## WBS: 04.01 – MICE

18 April 2014  
Presenter: Kaplan/Hanlet/Rajaram



<p><b><u>Milestone Status (Progress)</u></b></p> <ul style="list-style-type: none"> <li>• Tracker installation into SSU complete</li> <li>• DS helium leak repair failed</li> <li>• Successful test of target dipping at 0.8Hz &amp; beam bump</li> <li>• Successful test of FPGA trigger</li> <li>• SSD P/S RunControl initial tests complete</li> <li>• SSD mapping complete</li> <li>• QPS document distributed for comments</li> </ul>	<p><b><u>Resource Conflicts, Plan Changes and Issues</u></b></p> <ul style="list-style-type: none"> <li>• Ian Taylor leaving, Paul Smith (Sheffield) new Online manager</li> <li>• Ryan Bayes (Glasgow) new Configuration manager</li> <li>• Global Reconstruction manager to be filled shortly</li> <li>• New IIT grad student (Tanaz Mohayai) to start dE/dx study</li> </ul> <p><b><u>Late Items</u></b></p> <ul style="list-style-type: none"> <li>• DS repair</li> </ul>
<p><b><u>Summary of Previous Month</u></b></p> <ul style="list-style-type: none"> <li>• Progress on software <ul style="list-style-type: none"> <li>– EMR: secondary hits added, geometry description done</li> </ul> </li> <li>• Progress developing criteria/simulations for Step V vs Step VI</li> <li>• FC1 training complete</li> <li>• C&amp;M code &amp; infrastructure cleanup</li> <li>• FC1 &amp; DS version 1 state machines implemented</li> </ul>	<p><b><u>Quarterly Plans</u></b></p> <ul style="list-style-type: none"> <li>• Tracker commissioning in MICE hall</li> <li>• Downstream tracker installation in SSD</li> <li>• DS cooldown, QPS and new PS commissioning</li> <li>• Software: EMR track and range reconstruction, Global tracking, CAD-based geometry validation and benchmarking</li> <li>• Develop new Step IV plan with reduced FC field</li> <li>• Activation run end of June</li> <li>• Complete FC1 &amp; DS State Machines</li> <li>• Control of new HV crate for EMR</li> </ul>
<p><b><u>Upcoming Work (Next Month)</u></b></p> <ul style="list-style-type: none"> <li>• SSU move to Hall</li> <li>• DS repair</li> <li>• Install proton absorber</li> <li>• FC1 mapping in R9</li> <li>• UK oversight committee, RLS and MPB reviews end-April</li> <li>• Complete MICE-ISIS gateway to monitor ISIS losses</li> <li>• SSD delivery to RAL</li> </ul>	

# Monthly L2 Status Report -

WBS: 04.02 – 6D Cooling Demonstration

18 April 2014  
Presenter: Pavel Snopok



<b><u>Milestone Status (Progress)</u></b> <ul style="list-style-type: none"><li>• A MAP technical note summarizing the options utilizing both muon and proton beams for the 6D cooling demonstration experiment investigated thus far is being prepared.</li></ul>	<b><u>Resource Conflicts, Plan Changes and Issues</u></b>
	<b><u>Late Items</u></b>
<b><u>Summary of Previous Month</u></b>	<b><u>Quarterly Plans</u></b> <ul style="list-style-type: none"><li>• 6D cooling demonstration activities will be carried out as part of Muon Accelerator Staging Study.</li><li>• Produce a MAP tech report on the proton and muon beam alternatives considered so far.</li></ul>
<b><u>Upcoming Work (Next Month)</u></b>	