

Monthly L2 Status Report -

WBS: 04.01 – MICE

31 January 2014
 Presenter: Kaplan/Hanlet/Rajaram



<p><u>Milestone Status (Progress)</u></p> <ul style="list-style-type: none"> • 1st Integrated QPS meeting held • FC1: now in cooldown at R9 <ul style="list-style-type: none"> – MLI added and supports re-tensioned – C&M state machine development/testing – new synoptic display and alarm handler • SS2: successful leak test in R9 • SS1: HTS leads OK, training in progress (2 quenches so far) • DS: repaired and under vacuum • Proton absorber remote actuation system under test 	<p><u>Resource Conflicts, Plan Changes and Issues</u></p> <ul style="list-style-type: none"> • CERN mapping team availability?
<p><u>Summary of Previous Month</u></p> <ul style="list-style-type: none"> • Successful TIARA test – 500 kW RF power in MICE Hall • FC2 returned to manufacturer for repair • SS2 successfully leak-tested in R9 • UPS monitoring update completed • Integrated QPS document completed • EMR hit reconstruction in MAUS, preliminary versions of global tracking and PID, significant progress with SciFi MC • MEMO defined 	<p><u>Late Items</u></p>
<p><u>Upcoming Work (Next Month)</u></p> <ul style="list-style-type: none"> • SS1 training & mapping • FC1 cooldown, state machine completion • DS cooldown, state machine development • Complete proton absorber test • RF controls plan development • Complete west mezzanine construction • Continued work on tracker installation into SS2 • CM38 and Software Workshop in Napa, CA, Feb. 23–28 	<p><u>Quarterly Plans</u></p> <ul style="list-style-type: none"> • Complete SS1 training & mapping • Complete FC1 training & mapping • Integrate geometry into CDB • DS cooldown and QP commissioning • Install proton absorber • Develop new Step IV plan with reduced FC field

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WBS: 04.02 – 6D Cooling Demonstration

31 January 2014
Presenter: Pavel Snopok



<p><u>Milestone Status (Progress)</u></p>	<p><u>Resource Conflicts, Plan Changes and Issues</u></p>
<p><u>Summary of Previous Month</u></p> <ul style="list-style-type: none">• Preparation of the 2013 report.• Planning for 2014.	<p><u>Late Items</u></p>
<p><u>Upcoming Work (Next Month)</u></p> <ul style="list-style-type: none">• Continue nuSTORM muon beam simulations.	<p><u>Quarterly Plans</u></p> <ul style="list-style-type: none">• 6D cooling demonstration activities will be carried out as part of Muon Accelerator Staging Study.• Continue studies of the nuSTORM-based 6D cooling demonstration.• Expand the pool of proton and muon beam options for the experimental program.