CESR TA Machine Studies Task Overview

I. Experiment Description

Experimental Topic	Electron Cloud Studies Setup		
Classification*	EC		
Coordinator/	Billing/Dugan	Billing, Dugan, Sonnad, Ramirez, Palmer,	
Experimenters		Williams, Forster	
Primary Goals	Test any modifications to measurement software		
	-		

Description [†]	Setup			
	 Swept free Instability 	2. Instability spectra (INST)		
Special Needs/Requests				
Prerequisites [‡]	Personnel	Description		
	Billing, Forster,	Establish stored beams (MREC)		
Time Requested§	No. Shifts	Principal Tasks		

^{*} Machine Studies Classifications:

- EC Electron Cloud
- LET Optics Correction and Low Emittance Tuning
- xBSM x-ray Beam Size Monitor
- INST Instrumentation (BPM development, RFA development, other)
- MDEV Machine Development (includes injection configuration, injection tuning, custom orbit setup, instrumentation preparation, etc.)
- MREC Machine Startup (recovering conditions after down time)

[†] Attach additional pages for experimental description if needed

[‡] Indicate other machine work that is required in preparation for this machine studies experiment.

6 hours	Test measurement software for 1, 2, 3 above	

II. Machine Studies Assignments

Reserved for Project Management Team Use				
Topic ID				
Priority**				
Shift Assignments	Date	Shift		

Notes:

** Priority Scale:

[§] Indicate the principal shift topics and estimated number of shifts required

^{1.} Critical – results are necessary for preparation for subsequent down/run periods

^{2.} Very high – results are strongly desired for achieving program milestones or in preparation for subsequent down/run periods

^{3.} High – results are of immediate interest but not require

^{4.} Moderate – results should be pursued at the first convenient opportunity

^{5.} Low – results are not presently a high priority for either project milestones or planning