

CESR TA Machine Studies Task Overview

I. Experiment Description

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

Description[†]	Setup	
	Software testing of <ol style="list-style-type: none"> 1. Swept frequency shaking (TUNE) 2. Instability spectra (INST) 3. Damping measurements (DAMP) 	
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.

