

# CESR low energy

March 16, 2018

Lattice: OSC\_UND\_WIG\_1500MEV\_20180306.lat  
Energy: 1.5 GeV  
Damping: Undulators and F-line wiggler  
damping time: 0.5 seconds  
Magnetometer: high energy configuration is good to 1.3 GeV  
Bunch length (5MV) 4.7mm,  $f_s = 24.3$  kHz  
Bunch length (1MV) 10.6 mm,  $f_s=10.8$  kHz)

Synchrotron ?

Chopper clock frequency ? As necessary

### Comments

- As soon as a few turns are circulating, collect tbt cbpm data and use average to flatten [RB]
- With stored beam
  - Measure and correct orbit/phase/coupling
  - measure lifetime vs current at 5MV and 1MV
  - Measure beam size vs current at 5MV and 1MV