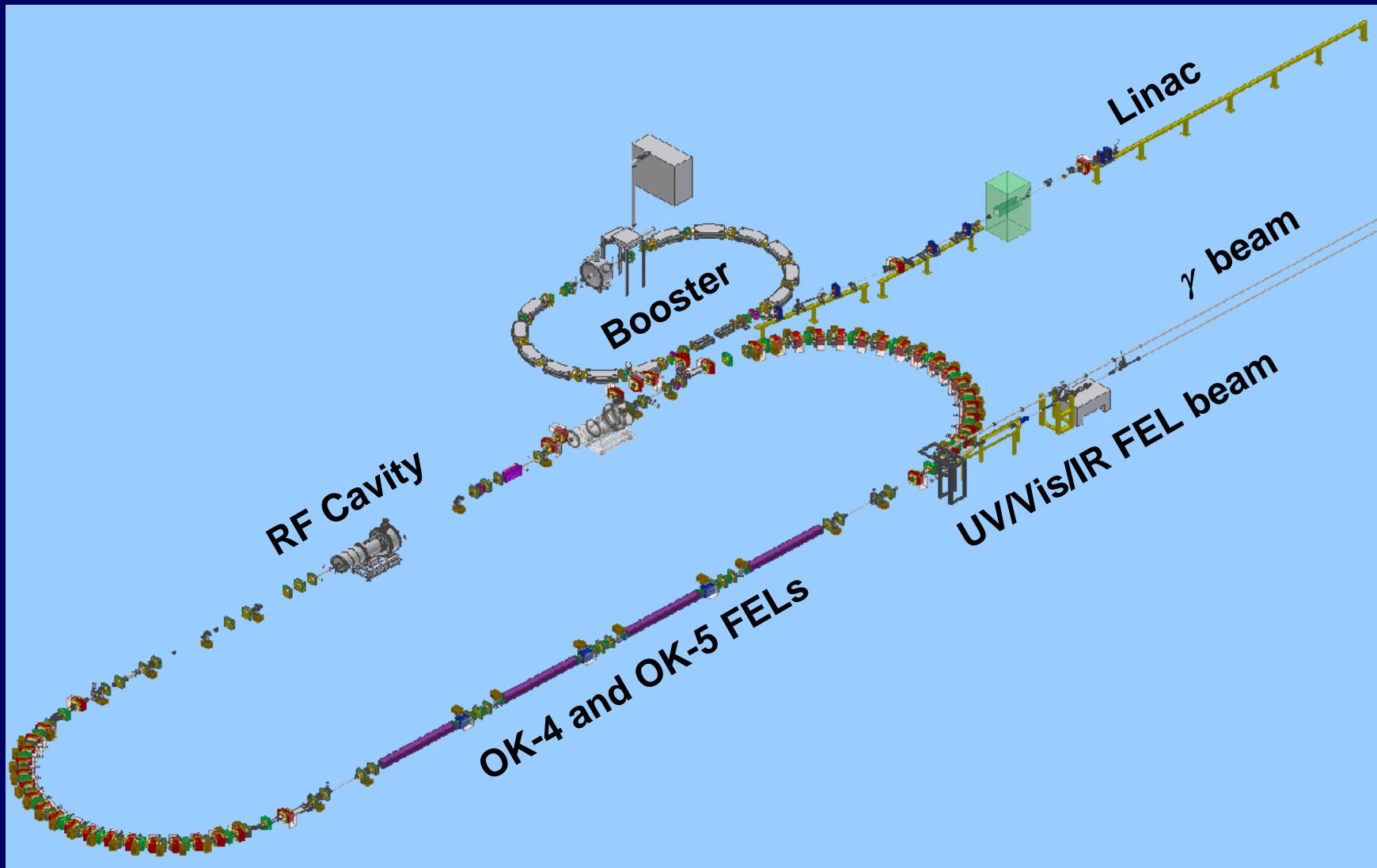


Injection, Ramping and Extraction Timing for the Duke Booster

S. M. Hartman, S. Mikhailov, V. Popov, Y. K. Wu, G. Kurkin
Duke Free Electron Laser Laboratory

ICALEPCS October 18, 2007
Knoxville, TN

Background: The DFELL Facility

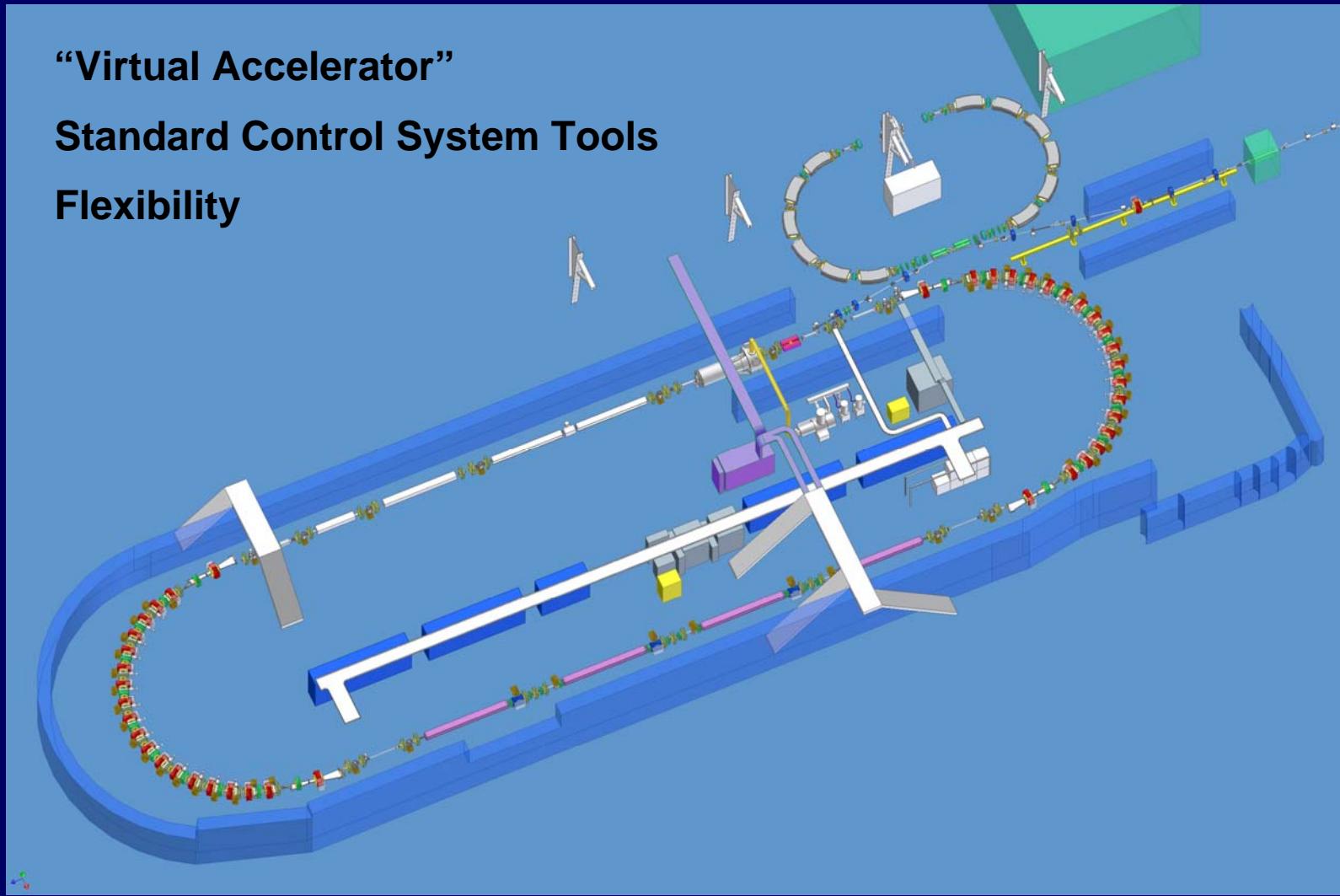


Background: The DFELL Control System

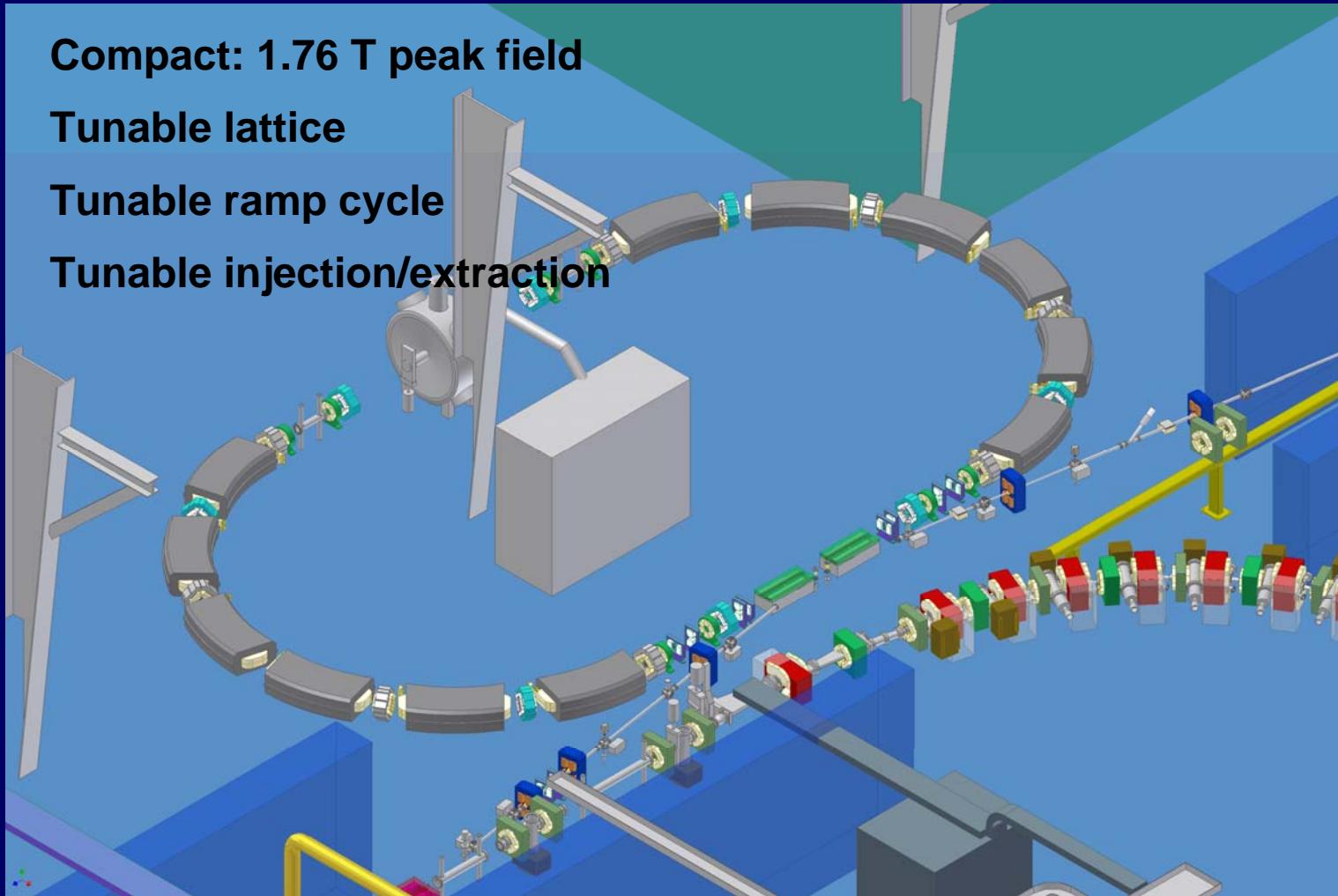
“Virtual Accelerator”

Standard Control System Tools

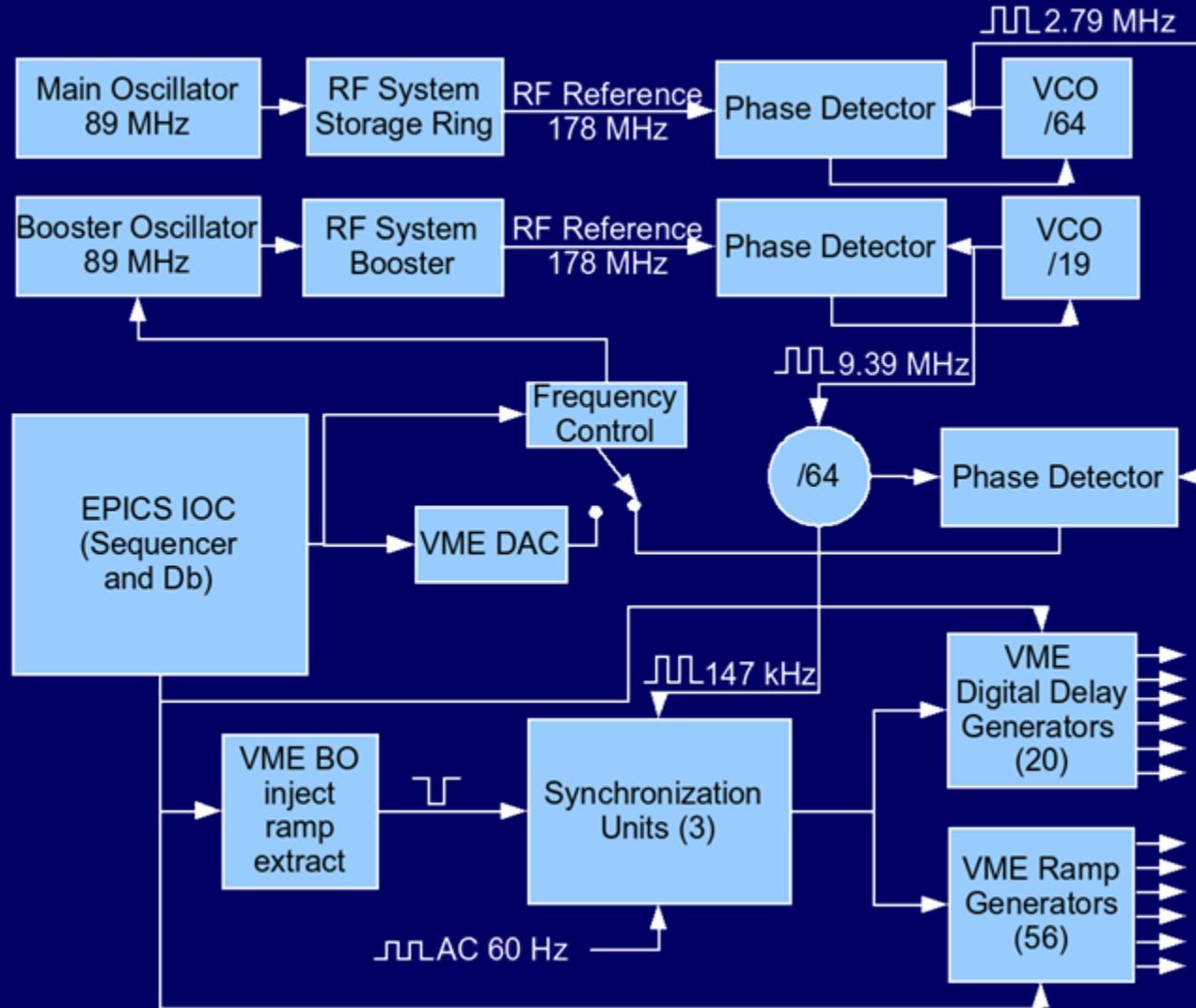
Flexibility



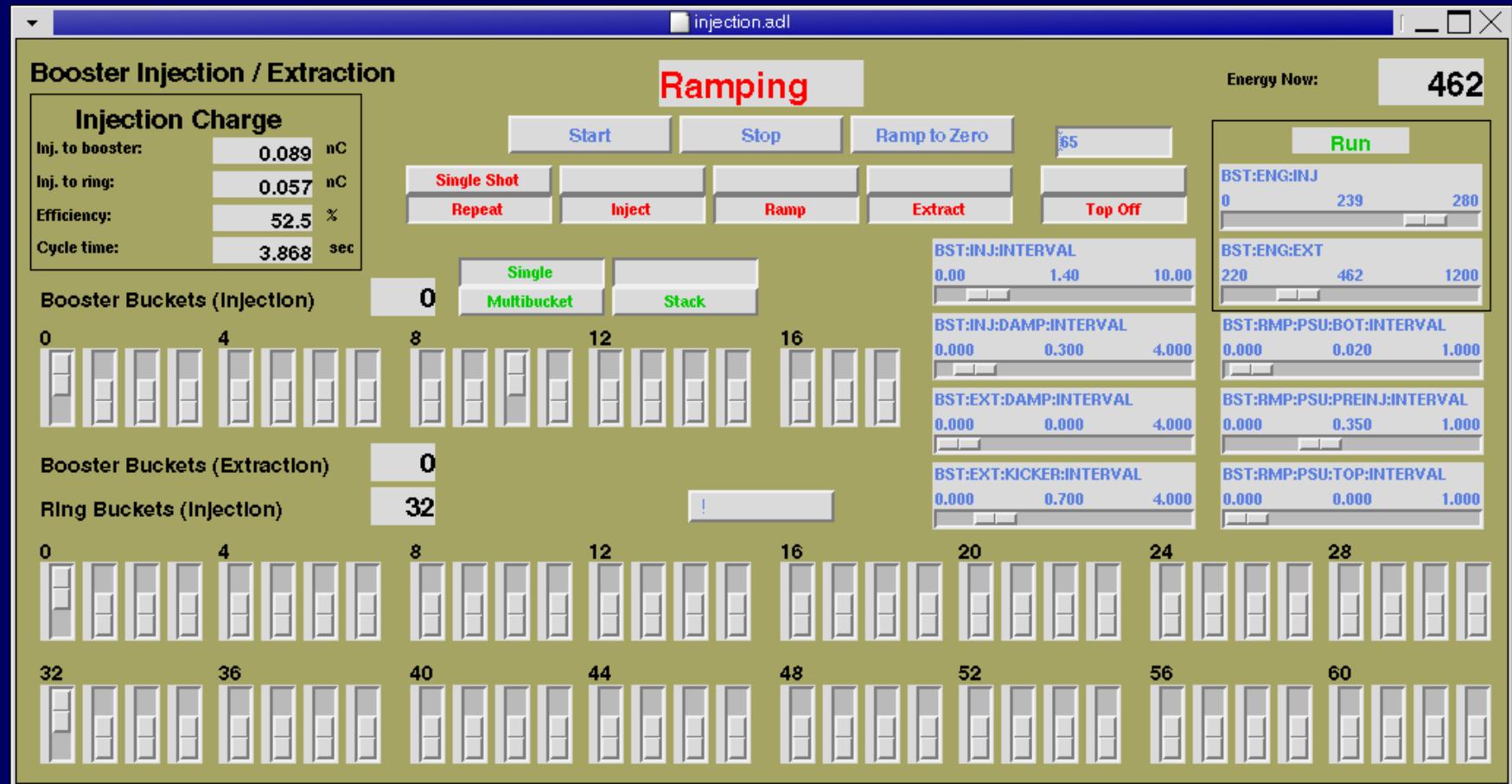
Booster Synchrotron



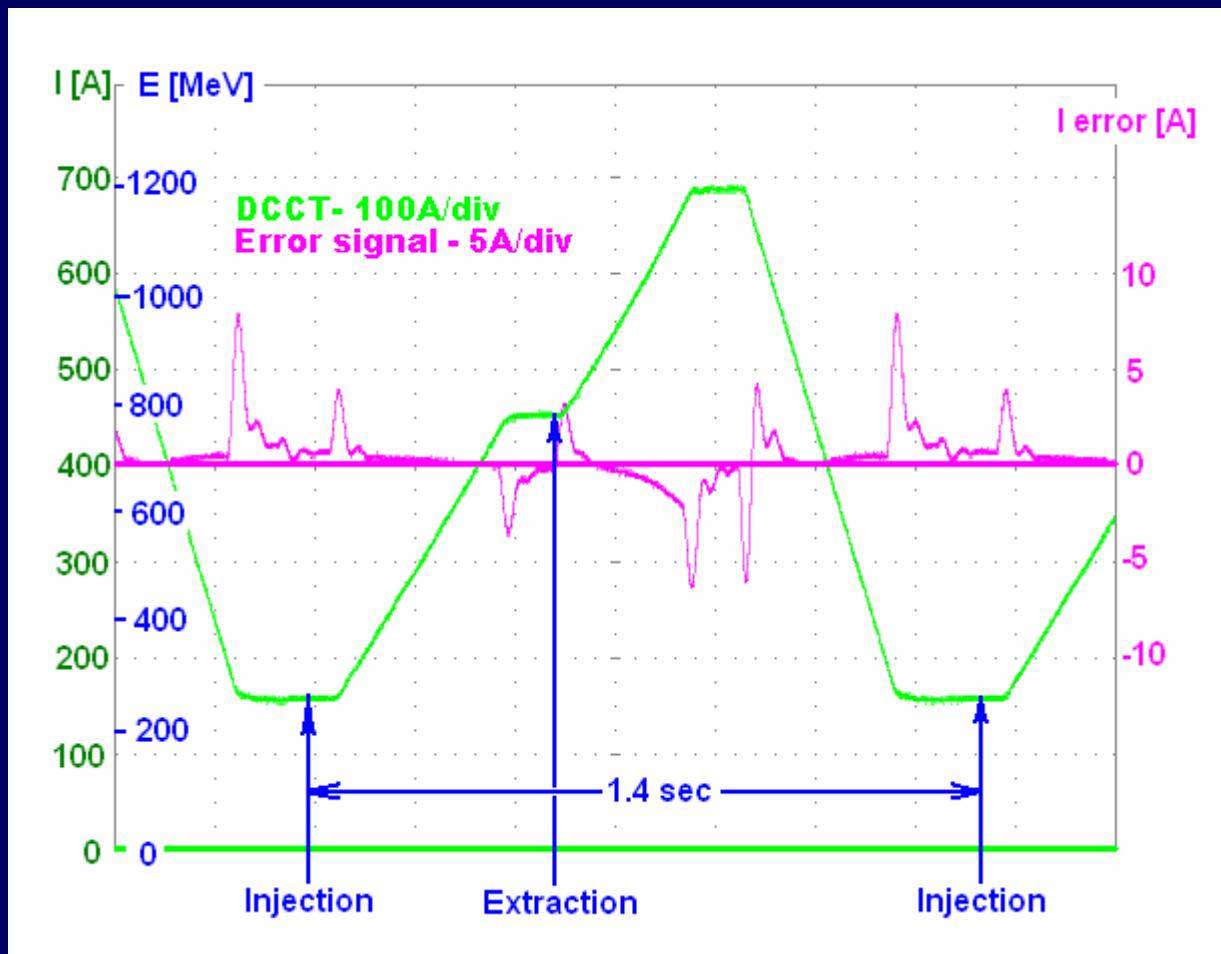
Timing System: Low Level



Timing System: High Level Interface



Booster Ramping Cycle



Top-Off Injection

