

Experimental Layout

Adding a simple 'twin' chicane (half/quarter-RF-wavelength delay chicane for path length shift) and a small extraction dump/chicane for depositing the energy recovered beam at the end of the South Linac turns the CEBAF accelerator into a powerful test-bed for exercising various operational modes of a recirculating linac with energy recovery and current doubling.

Schematic location of both new installations is illustrated below (in blue). They turn the ordinary CEBAF into the CEBAF-ER/CD

