

Charge for CBETA Technical Baseline Review on January 30 – 31, 2017

The CBETA project aims to build a four-pass Energy Recovery Linac (ERL) with a maximum energy of 150 MeV and beam current of 40 mA. A single Fixed Field Alternating Gradient (FFAG) beam line with permanent magnets will be used to recirculate all beams with four different energies.

The Committee is asked to review whether the design of the project will be able to support the design performance and whether the engineering design of the project, including all technical subsystems, is sufficiently complete to proceed to detailed designs and start of construction. This is also the first milestone referred to in the “Statement of Work” attachment to the contract with NYSERDA.

In particular:

- Does a baseline parameter set and lattice layout exist?
- Are the specifications for the four-pass ERL as well as all technical subsystems complete?
- Do engineering drawings for the major components exist?

Please submit a review report addressing these charge elements to Dr. Berndt Mueller by February 15, 2017.