



Date: April 16, 2019  
To: File  
From: S. Peggs

Subject: **Recommendations from the Advisory Committee meeting of Oct 8, 2018**

See [https://www.classe.cornell.edu/CBETA\\_PM/181008\\_review\\_AC/](https://www.classe.cornell.edu/CBETA_PM/181008_review_AC/)

The following 4 recommendations were extracted from the final advisory committee report – even though they were not explicitly called out.

1. **Fractional Arc Test:** “The Advisory Committee would therefore suggest a more detailed analysis with the goal of achieving not only qualitative, but also quantitative agreement between the model and measured data and encourages the CBETA team to develop the required tools for such a detailed analysis in time for the full machine commissioning in 2019.”
2. **Equipment Protection System:** “A review of the machine protection system is suggested.” ... “The Committee suggests that the Project have an in-depth review of the Machine Protection System including the commissioning plan and calibration of beam loss monitors.” ... “Enhanced analysis of the sensitivity of the magnets to radiation damage and the ability of the loss monitors to protect from such levels would seem prudent.”
3. **Finalizing optics:** “The advisory committee suggests finalizing the dump line lattice and optics as soon as possible and preparing tools and procedures for measuring the energy acceptance and aperture of the line in the final configuration in CBETA.”
4. **Commissioning configuration evolution:** “It was not clear from the presentations at what stage the operation team would switch from the baseline, 4-pass energy recovery configuration to the back-up scenarios with 2 or 3 passes. The committee suggests defining and spelling out the criteria and deadline[s] for taking these decisions well before the commissioning starts.”