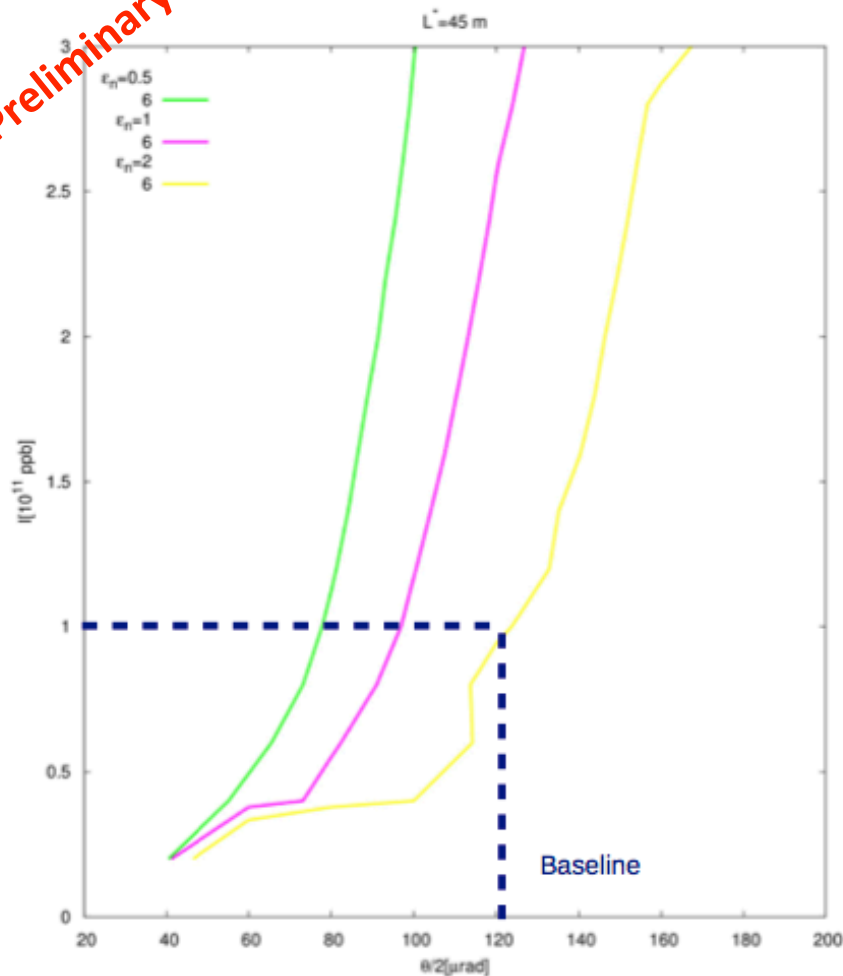


Baseline $L^*=45$ m

J. Barranco

Preliminary Studies



- DA limit of 6σ is a figure of merit adopted from LHC.
- It relates with the minimum aperture of the primary collimators.

New Dynamic Aperture Studies show need for larger BB separation respect to scaling

→ Need first to understand why before drawing conclusions on angle
Very different configuration (optics, longitudinal motion in...)

WORK STILL ON-GOING

Spectrometer

J. Barranco

Negative polarity gains ~5% crossing angle.

To be understood the 'wavy' behaviour of the positive polarity case.

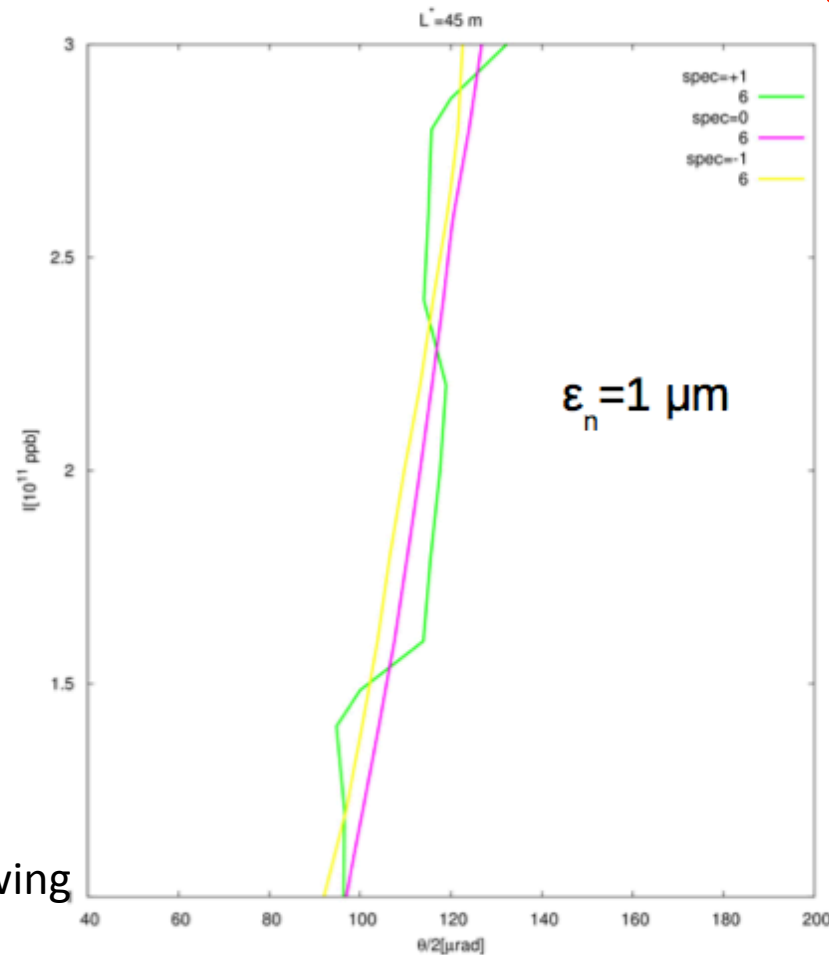
$\epsilon_n = 2.2 \mu\text{rad}$ results ongoing.

Spectrometer:

→ Simulations on-going but very little sensitivity to BAD polarity, Why?

Need first to understand why before drawing conclusions on angle

WORK STILL ON-GOING



Preliminary Studies