

MD14343

The original procedure assumed:

- Total intensity $3.6e10$ ($4 \times 3e9$, $4 \times 6e9$)
- Transverse emittances: ($4 \times 1.5 \text{ um}$, $4 \times 3 \text{ um}$)

The goal is to have WS, chromaticity and coupling measurements at flattop energy.

Following discussion with F. Roncarolo, using WS is linked with the following limits:

- Beam losses for total intensity $2.5e10$ reached 20% of BLM threshold,
 - Conservative limit for wire breakage at flattop energy: $6e10$ for nominal emittance (2 um),
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Due to WS limits and difficulties with preparing bunches in injectors, we'd like to modify the procedure:

- Total intensity $6e10$ ($4 \times$ $5e9$, $4 \times$ $10e9$)
- Transverse emittances: ($4 \times$ 2 um , $4 \times$ 4 um)

If MPP and OP accepts losses above 20% BLM threshold (expected $\sim 50\%$), we will use WS at flattop.

Otherwise, only BSRT.