Aperture margins around IP2

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New pipe

- TREX 10/12/2020
  https://indico.cern.ch/event/983858/contributions/4144100/
- Arturo Tauro: sent new aperture table and tolerances to Roderik
Aperture check at injection

Parameters:
Normalized emittance = 2.5e-6 um;
Beta beating in signa = 5%;
Dispersion error = 0.14%
Orbit error = 0.002 m
Momentum error = 0.00086%
Threshold for machine damage = 12.6 sigma


Aperture more restrictive at injection in the experimental area.
No aperture issues.
Margin at flat top squeezed

N.B spectrometer bumps not included for simplicity