



IR collimator Engineering actions Summary

F. Carra

35# HiColDEM



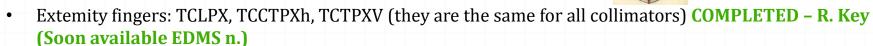




ENGINEERIN PAGENIA



RF FINGERS



& Materials Engineering

- Stress with stroke 10 mm bigger
- Longitudinal fingers: TCLPX, TCCTPXh, TCTPXV (they are the same for all collimators) COMPLETED R.
 Key (Soon available EDMS n.)

JAWS

- Calculation of deformation of the TCLPX jaw according to energy deposition COMPLETED R. Key (Soon available EDMS n.)
 - Different energy FLUKA map available (thanks to M. Sabate)
 - Different mass **AVAILABLE**
 - New slim design **AVAILABLE**

MECHANICAL TABLE

- Axis deformation COMPLETED A. Jaradat, EDMS n. 2215957
 - Axis longer
 - Bigger bellows (lateral and axial forces due to the vacuum)
 - Jaws heavier
- Retroaction?

EXTREMITY BELLOWS ??? Typically, bellows must be guaranteed by the supplier

Lateral and axial forces due to the vacuum

BERCEAUX TO BE STARTED

Structural deformation of the support, not center load

TANK COMPLETED - A. Jaradat, EDMS n. 2218125

- Upper plate deformation of the TCLPX
- TCLPX and TCTPXH: no more cooling circuit on the extremities. Is that a problem? COMPLETED C. Accettura (Soon available EDMS n.)
- Axis.

CABLES BPM (for all collimators) COMPLETED - L. Bianchi, EDMS n. 2306623