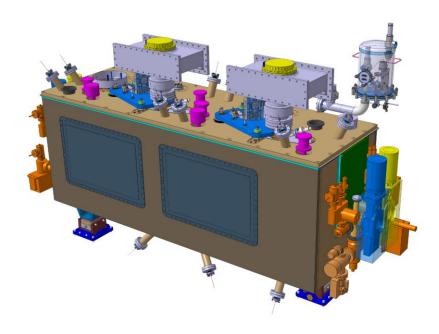
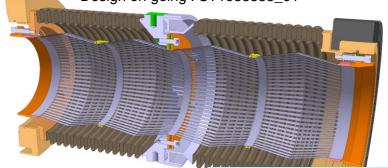


CERN-STFC/UKRI – Cryomodule design update 8th of March 2019



Cold warm transition optimization

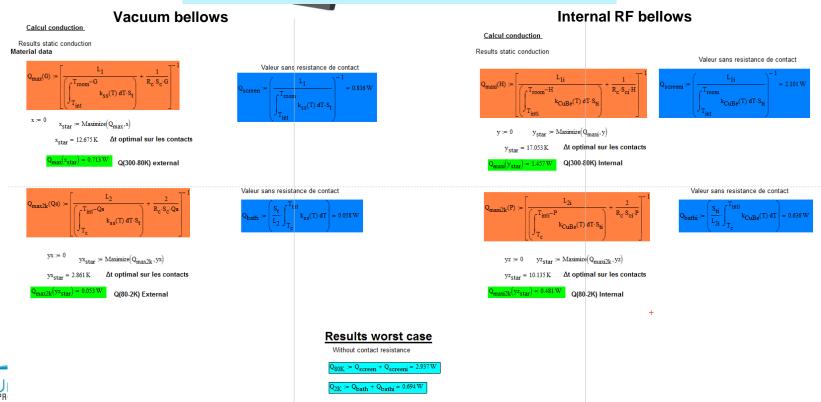
Design on going: ST1088833_01



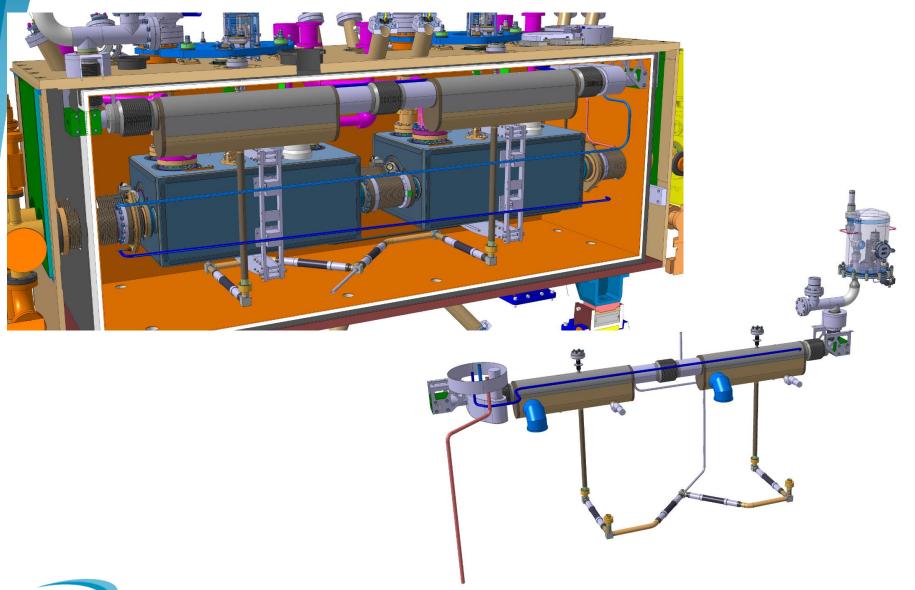
To be optimized:

- -Position of thermal intercept
- -Lateral displacement capacities
- -RF continuity through extremities

Rough estimate of thermal loads on 2K and thermal screen

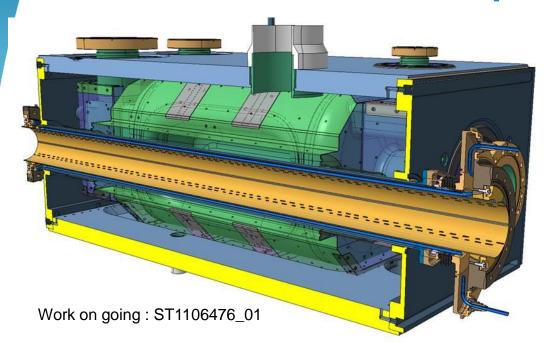


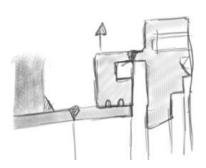
Cryogenic line details





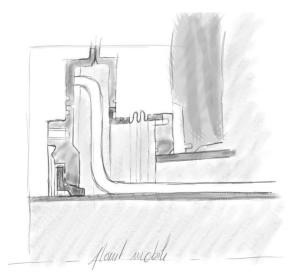
Beam screen optimization





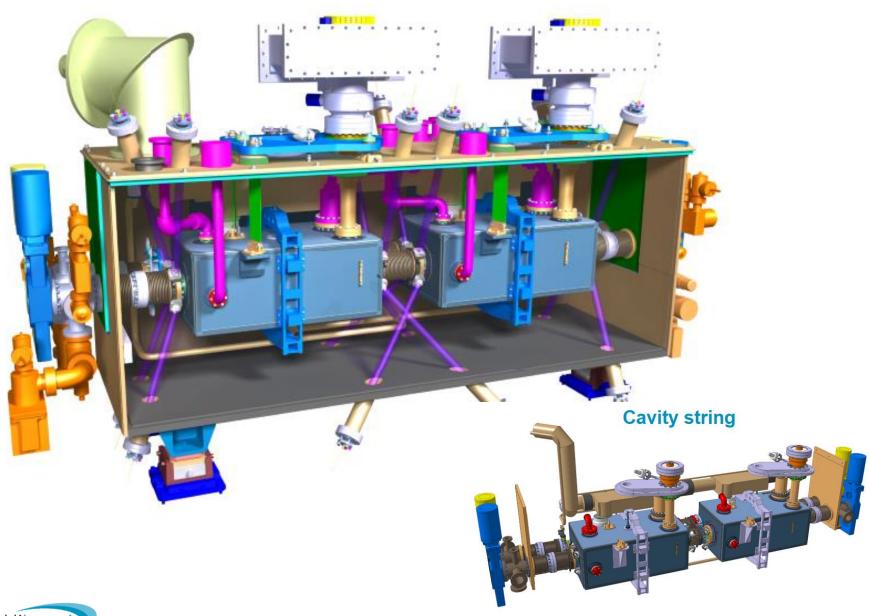
To be optimized:

- -Size (length) of extremities
- -Integration of transition Ti/Ss brazed
- -Sliding of mobile extremities





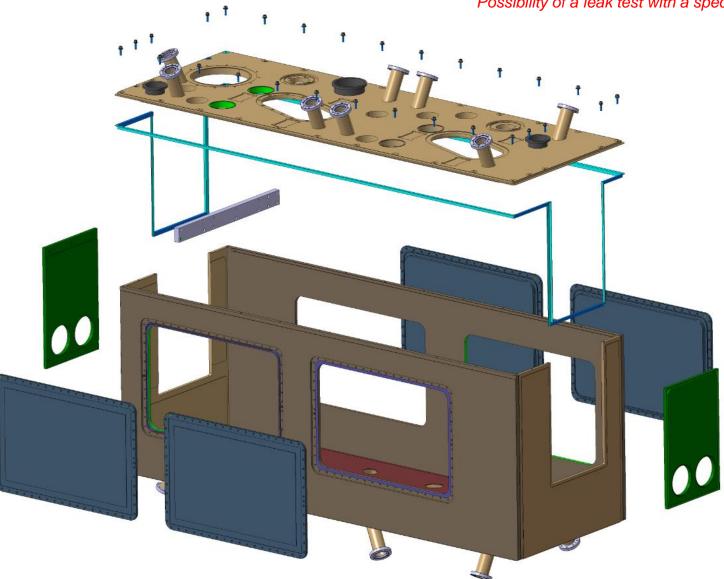
Solution #1 – fully welded





Solution #1 – fully welded

Possibility of a leak test with a specific tooling







End