HL-LHC Integration WP15

Crab cavities cryo-integration

M. Gonzalez de la Aleja, M. Sisti

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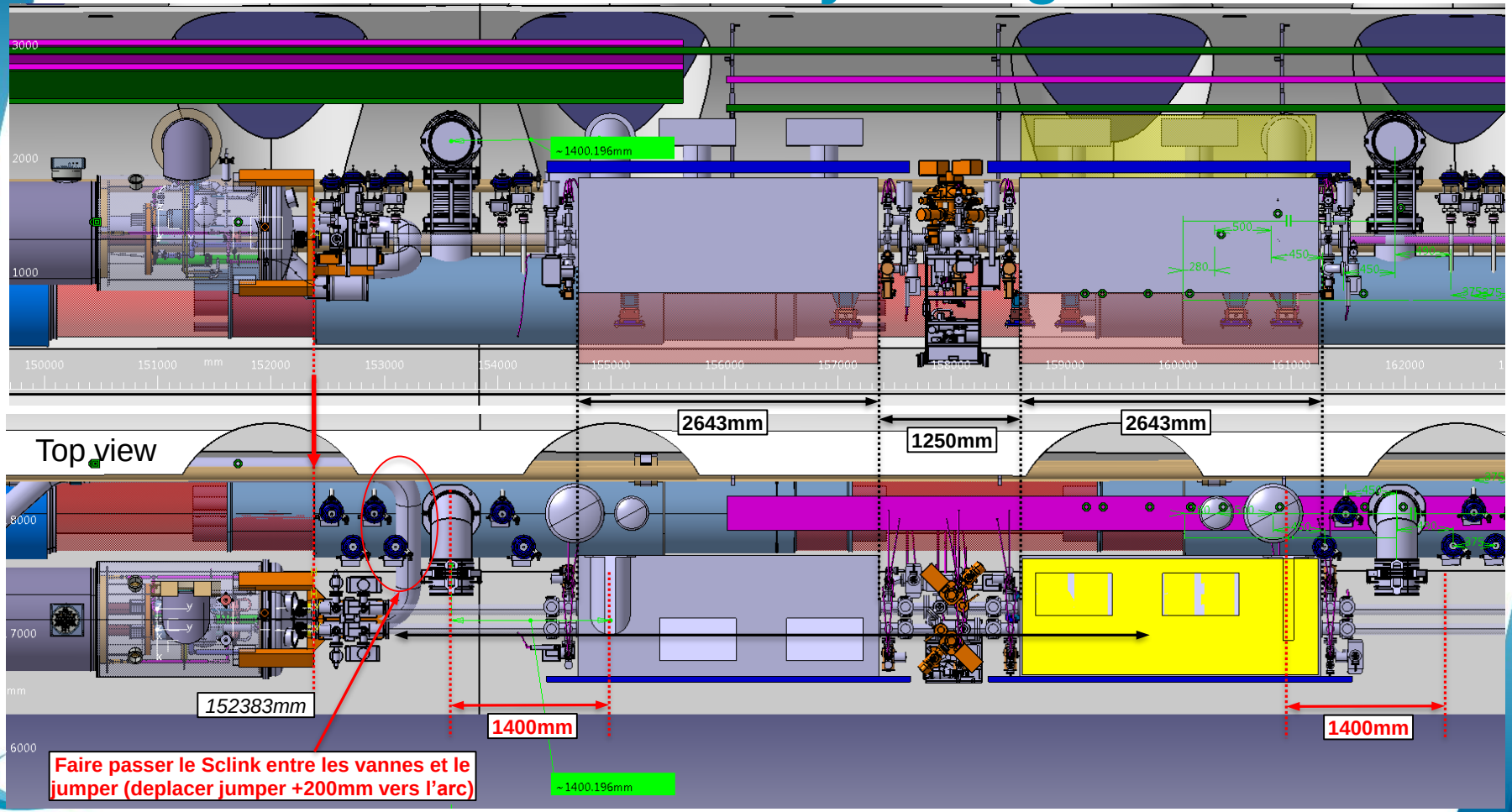
Crab cavities cryo-integration

Front view



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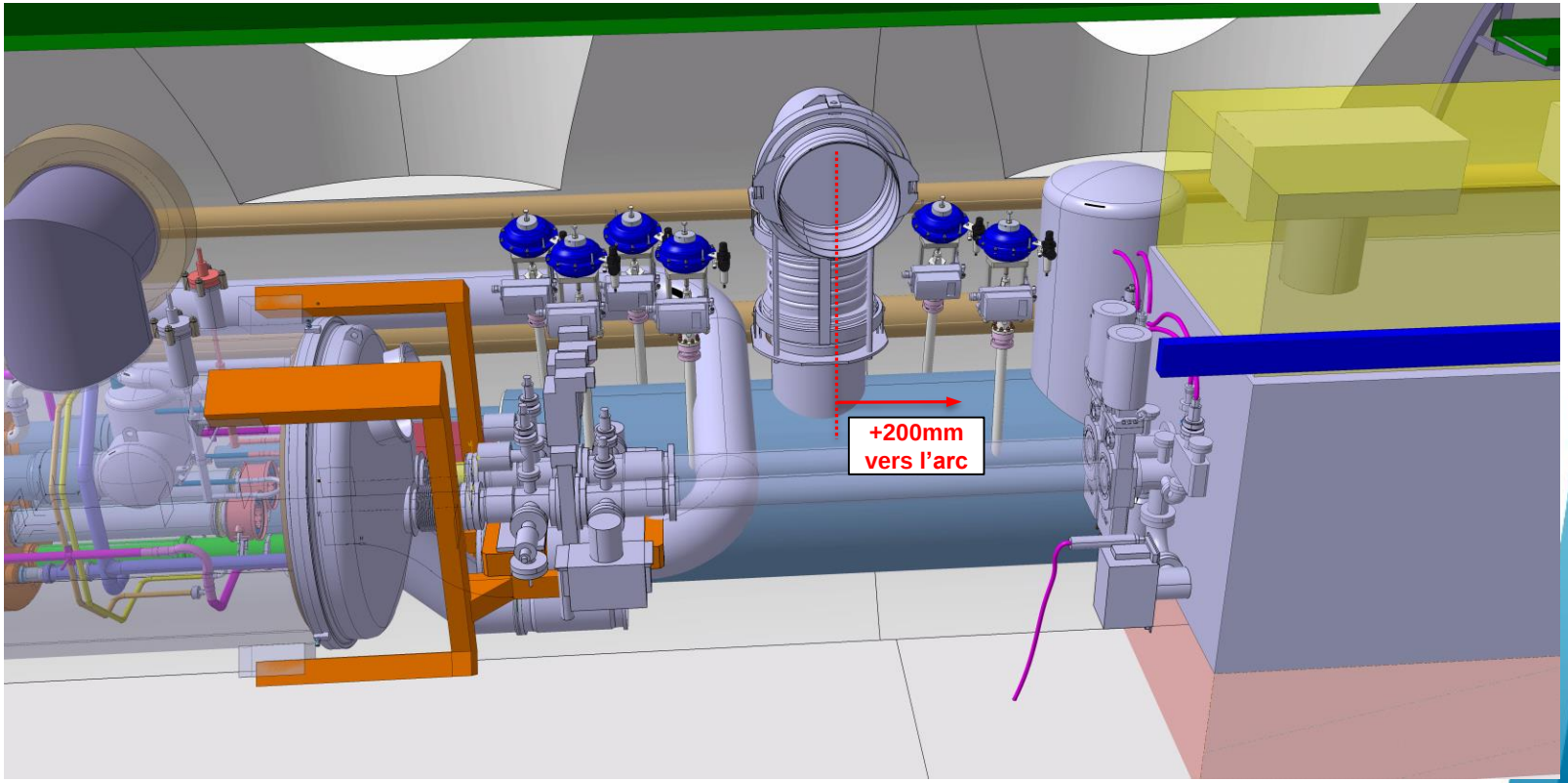

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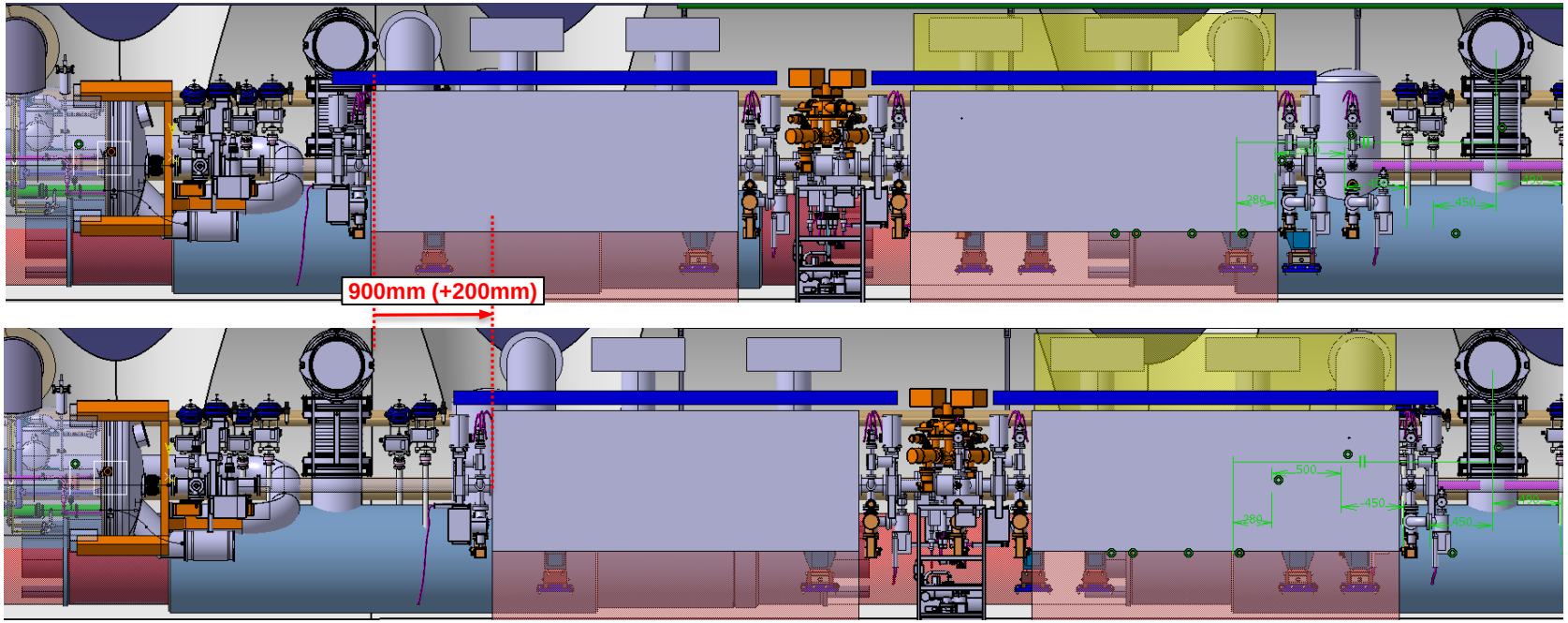

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Assumtions and constrains:

- Right flange of D2 is fixed (not modified): *152383mm from IP*
- Left flange of SM must be placed aligned with right flange of D2.
- Minimum distance between the jumper of the SM and the jumper of the CC: **1400mm**
- Not enough space for SCLink → displace SM jumper +200mm towards the arc

To be verified / Open points:

- TE-CGR will provide updated model of service model (jumper displaced 200mm towards the arc)
- Verify length between CC (vacuum). 1250mm
- Fix dimensions of Cryomodules: length and position of jumpers and wave guides. Provide 3D model