

Vibration Isolation

■ Status

- **Standard GAS filter:** The assembling of the prototype has been finished. A test of torsion mode damping and an investigation of effects due to cabling will be started in ICRR soon.
- **Pre-Isolator:** The manufacturing of the prototype is under going. A test of control will be started in ICRR in this summer.
- **Type-B payload:** A test of the first prototype (mechanical model) will be started in NAOJ soon.
- **Simulation:** 3D rigid body model has been developed.
- **Design:** The design of Type-A system with vacuum envelope for iLCGT will be fixed soon.



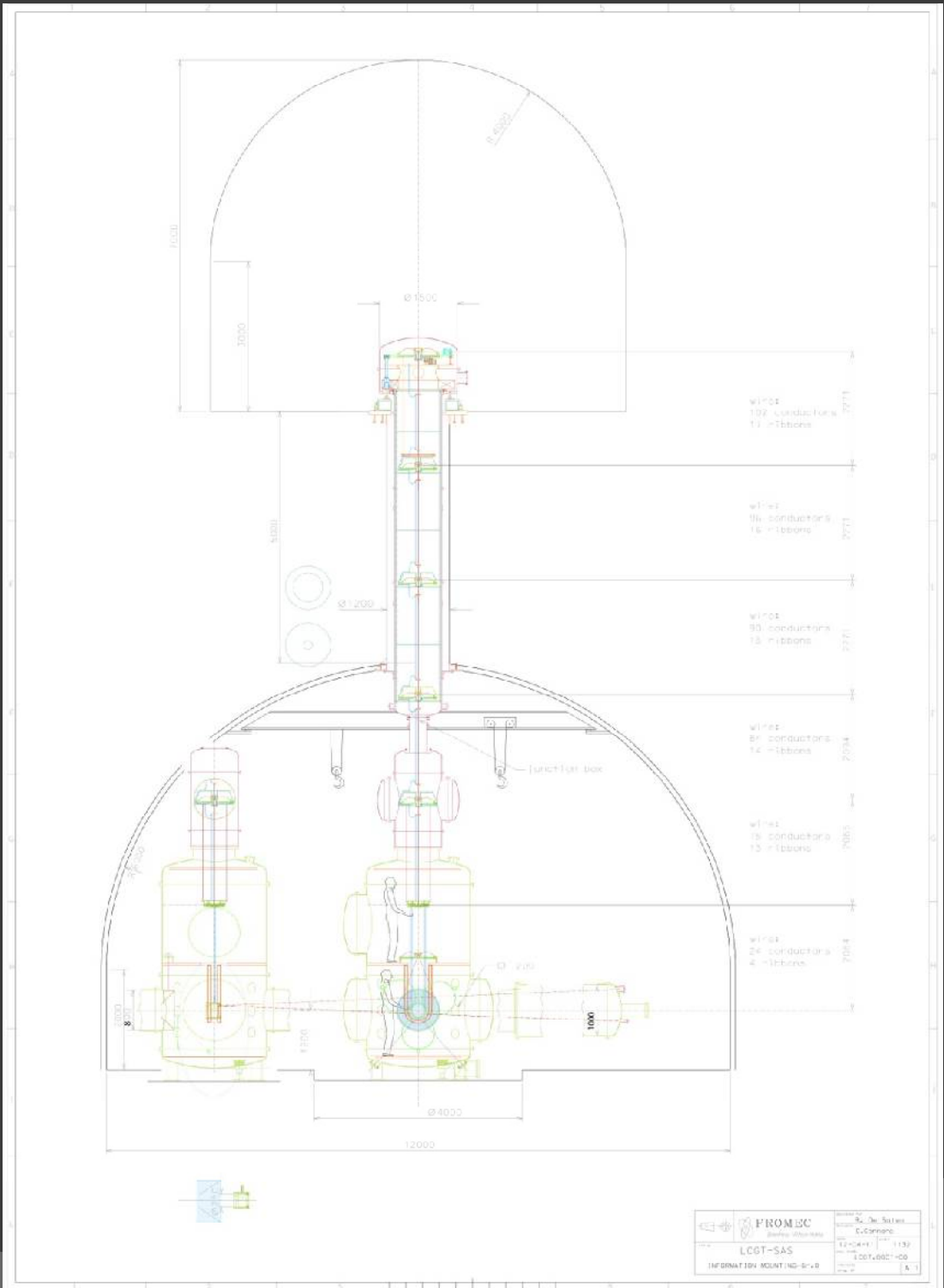
Test of GAS Filter at NIKHEF



Type-B TM-RM prototype



Standard GAS Filter prototype



LCGT vacuum chamber envelope (JGW-T1100418)