

# Tests status of the SPIRAL 2 Low Beta Cryomodules

## Summary

The Irfu institute of CEA Saclay is in charge of the 12 low beta cryomodules that will be installed on the SPIRAL 2 superconducting LINAC. Each cryomodule houses a single QWR cavity at 88MHz and b=0.07 cooled with liquid helium at 4.4 K. All components of the cryomodules are manufactured by the industry. The power coupler is provided by LPSC Grenoble. The assembling and tests are performed by the CEA. The RF power tests (P<sub>max</sub> = 10 kW) were performed on the qualifying cryomodule at the end of 2008 before launching the order of the 11 serial cryomodules. The two first cavities of the series were tested in vertical cryostat before the summer 2009. A summary of these tests and the present status of this project are reported.







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As the first two cavities (AZ2 and AS3) reached the required performances, the following cavities fabrication was shared

The planning of the cryomodules delivery is in phase with that of the cavity delivery. The cryomodules components following ones will be delivered between July and December

The clean assembling of the cryomodules will be performed

The qualification cryomodule will be assembled and tested mm thick foil of Mumetall® placed on the inner face of the