

Processing of the First French Spoke Cavity

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Spoke cavities are intensively studied for the low energy part of a high power proton accelerator in the framework of the XADS or EURISOL projects. The fabrication of the first prototype designed by the IPN laboratory is now achieved by the CERCA company. As every superconducting cavity, the processing is an important issue in order to achieve good performances. In this paper, we report on the cavity preparation planned for the spoke prototype: standard chemical treatment and high pressure rinsing (with a modified apparatus).