## DEVELOPMENT OF SPOKE CAVITIES FOR THE EURISOL AND EUROTRANS PROJECTS

G. Olry, J-L. Biarrotte, S. Blivet, S. Bousson, F. Chatelet, C. Joly, T. Junquera, J. Lesrel, L. Lukovac, G. Michel, C. Miélot, A.C. Mueller, D. Ruffier, H. Saugnac, P. Szott CNRS/IN2P3/IPNO, Orsay, France

IPN Orsay is strongly involved within the EURISOL and EUROTRANS projects, especially collaborating to the overall design of the linac. Since a few years, main part of the work is dedicated to the development of superconducting spoke cavities and their associated components (RF coupler, tuning system...). The results of the recent tests of both beta 0.15 and beta 0.35, 352 MHz, spoke cavities are presented. We will also describe the study realized on the future horizontal cryomodule for spoke cavities tests and, also the first design of the power coupler. Then, an overview of the latest beam dynamics calculations performed in order to design a linac using spoke

