New Design Issues of the EXCYT Project. G. CIAVOLA, R. ALBA, L. CALABRETTA, G. CUTTONE, G. DI BARTOLO, S. GAMMINO, E. MIGNECO, G. RAIA, D. RIFUGGIATO, A. ROVELLI, D. VINCIGUERRA, INFN-LNS; H. WOLLNIK, Universität Giessen - The EXCYT project is devoted to the production and the acceleration of secondary beams up to 8 MeV/n. The project has been funded in 1995 and the most of the main design issues has been defined. The K-800 superconducting cyclotron which should give the primary beams is now operational. We will present also a brief description of the axial injection, of the transfer beam line to send the primary beams onto the target and of the target-ion source unit. Particular emphasis will be put on the design of the mass separator, designed to obtain a mass resolution of 20,000, which has been designed to be compatible with the existing equipment and with the requirements of safety and of remote handling.