

FIP/P8-23: Design of Toroidal Coils Testing Bench: Advances in the Mexican Tokamak “T”.

The Fusion Research Group, (GIF, spanish acronyms) it was recently formed (IAEA FEC 2010 Korea, it was our first work as a research group), we are localized in Monterrey, Mexico's northeast. We represent a group from the State University of Nuevo León (Universidad Autónoma de Nuevo León, UANL) and two Faculties (both belonging at UANL), those of Mechanical and Electrical Faculty and Mathematical and Physical Sciences Faculty (FIME – FCFM, spanish acronyms).

Our Present work at IAEA FEC 2014 in Russian Federation, for one recently formed research group, has the next principal objectives:

First: the development of the magnetic confinement fusion area in northeast Mexico through the design of one entirely tokamak experimental facility, our group is working on this facility, to design, improve and construct the major inherent tokamak systems and to establish an appreciable and good fusion research program in our University. Our Facility is a medium size Tokamak and its first step is this: our toroidal coil testing bench.

Second: We consider the specialization of human resources on this complex area very important, for that we have at this time, several persons of our research staff, participating in several Research Universities Programs in the EU.