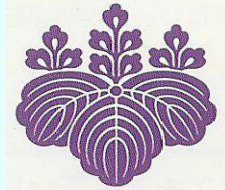


FIP/2-2Rc

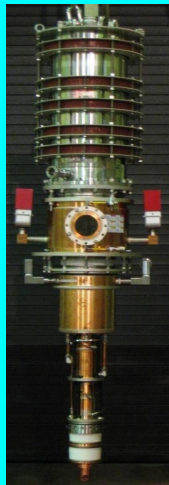
Development of Over 1 MW and Multi-Frequency Gyrotrons for Fusion

Presented by T. Imai,

Plasma Research Center, University of Tsukuba



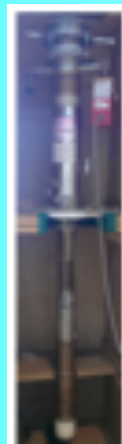
Univ. of Tsukuba has been developing MW gyrotrons of **14GHz to 300 GHz** for GAMMA 10/PDX (Univ. Tsukuba), other Univ. Fusion Devices and Demo-Reactor in collaboration with JAEA, NIFS, TETD, Kyushu & Kyoto Universities, and PPPL.



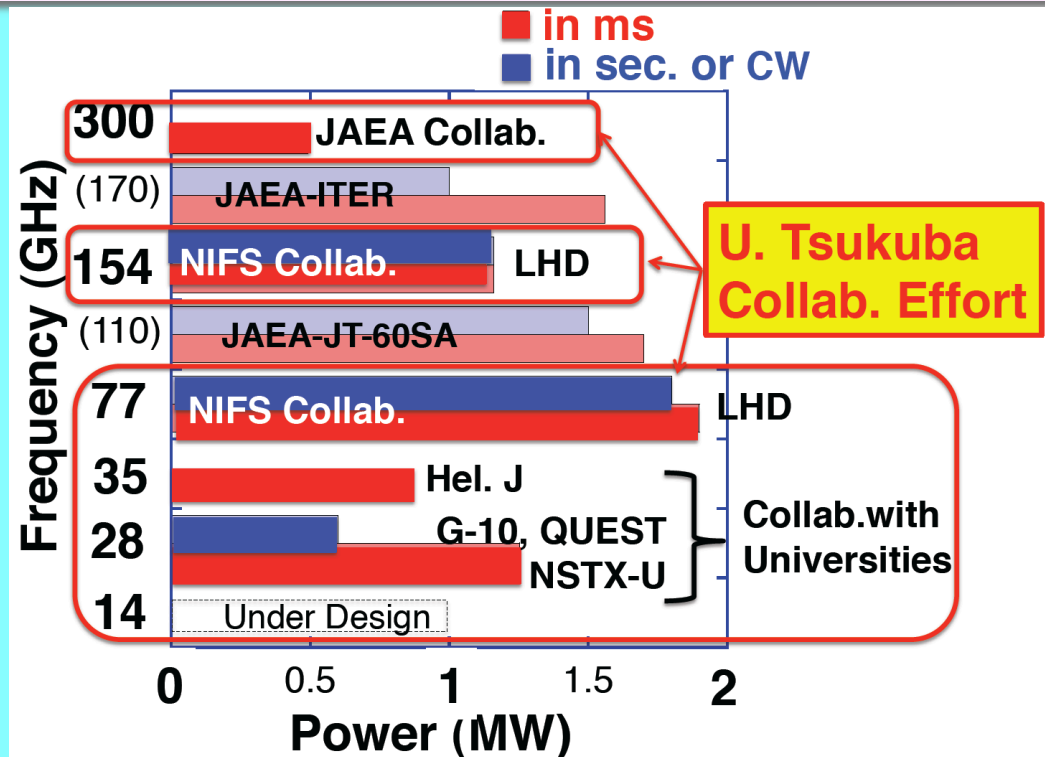
28/25 GHz for
GAMMA 10
QUEST
Heliotron J
NSTX-U



77 / 154 GHz
for
LHD



300 GHz
Study
for
DEMO



U. Tsukuba is Challenging to 14 GHz - 300 GHz Gyrotron Devlop. for present & future Demo ECH and obtained MW level or over 1 MW power in 28, 35, 77, 154, and 300 GHz.