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**X-ray measurement on 28GHz KBSI ECRIS**

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The X-rays of large amount can be produce from Electron Cyclotron Resonance (ECR) ion source. They can be adding an extra heat load to the cryostat, because be absorbed by the cold mass of the superconducting magnet. In addition, the measurements of X-ray spectra can be study about the electron beating process and the electron confinement. The measurements of X-ray spectra were carried out from the 28 GHz ECR ion source at KBSI. RF power dependency of X-ray spectrum is presented. X-ray spectrum with and without beam extraction were compared each other. For the x-ray shielding, while changing the thickness of the Ta-film measured by x-rays and compared with geant4.