

## The future plan of the THz and sub-millimeter wave emission sounder

# YASUKO KASAI[1]; Masumichi Seta[1]

[1] NICT

A new generation of submillimeter-wave receivers employing sensitive SIS (Superconductor-Insulator-Superconductor) detector technology will provide new opportunities for precise remote sensing measurements of ozone isotopes on a global scale. We have estimated the observation capabilities of SIS instrument, namely the space-stationborne JEM/SMILES instrument (Japanese Experiment Module / Sub-Millimeter Limb Emission Sounder), currently planned for launch in 2008.