

## Measurements of distribution functions of neutral particles by the position detection method using a CCD camera system

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Our newly developed Time - of - flight (TOF) neutral mass spectrometer is designed to enable us in situ measurement of distribution function of neutral species in the upper atmosphere by using position detection technique. There is a chance of in situ observation of the escaping atmospheres by this instrument. We will report the experimental results of the TOF measurements and the position detection using a CCD camera system.

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