## Ee-P013

## Room: Poster

## The analysis of the dynamics of high energy particles in SAA

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Using NOAA-12 spacecraft data, we analyzed the dynamics of high energy protons and electrons in SAA(South Atlantic Anomaly) from 1992 to 1997. We derived dawn-dusk asymmetry in SAA. Flux of >300keV electron at dawn is 6 times greater than at dusk. It is subbested that this effect is caused by the interaction with the neutral atmospheric density. The flux in SAA varies temporally and spatially, showing 11 years and seasonal variation. Characteristic of flux in SAA is important to resolve dynamics of inner radiation belt.