## Eh-P018

## Room: Poster

## Reproduction of AKR dynamic spectra with assumption of the hollow-cone emission sources

# Atsushi Kumamoto [1], Hiroshi Oya [2], Takayuki Ono [3]

[1] Tohoku Univ., [2] Geophysical Ist. Tohoku Univ., [3] Department of Astronomy and Geophysics, Tohoku Univ.

For the dynamic spectra of AKR observed by PWS on board the Akebono satellite, the characteristic structure has been reproduced with assumption of the hollow-cone emissions along the field lines. The results are as follows:

1) For the case of a large source, the spectral structures are reproduced by assumed source along the field line with hollow cone of 30 degree with the longitudinal source extent of 18-24 MLT range and of 45 degree in 19-20 MLT range

2) For the case of fine multi-source, two remarkable fine structures are reproduced by assumed source with hollow-cone angle of 45 degree located in 19-19.5 MLT range.

3) For source of complicated combination, the spectral structure can not be reproduced by simple assumption of hollow-cone emissions.