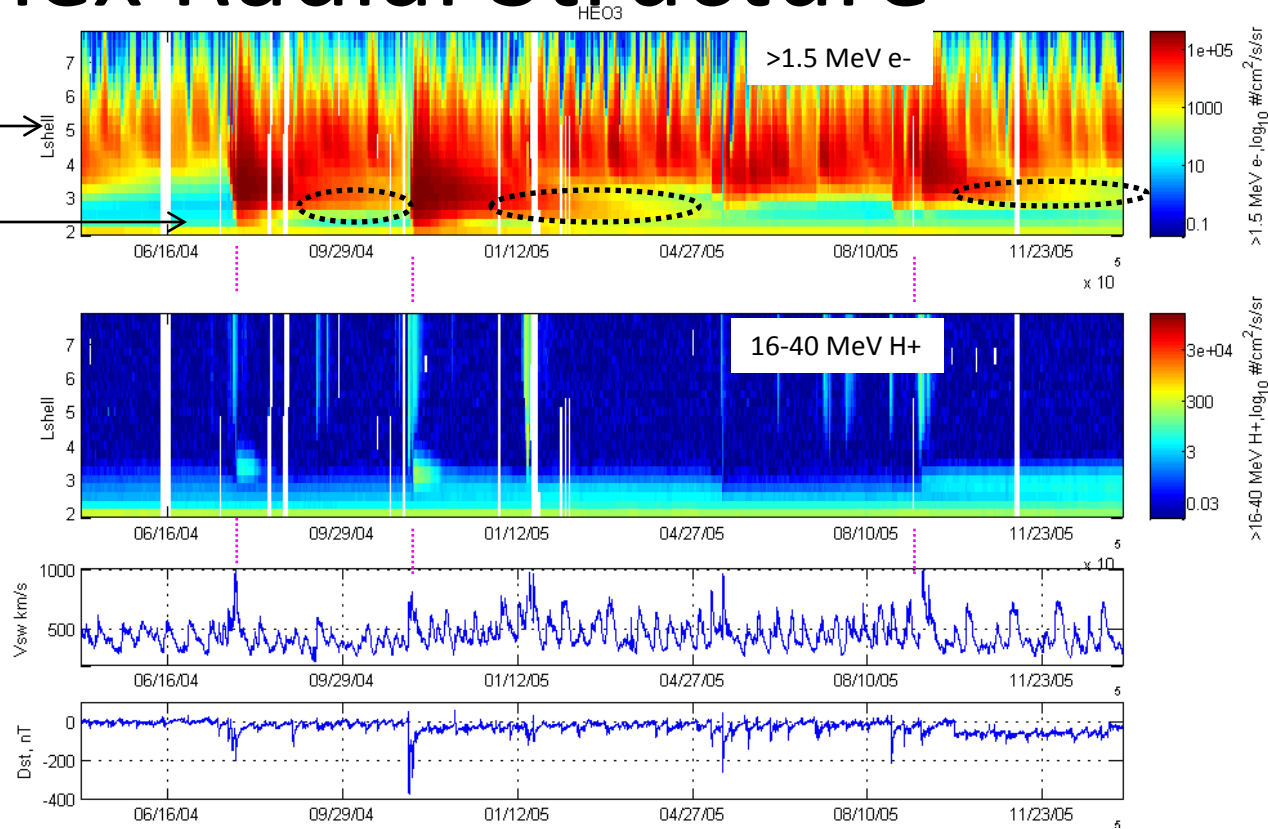


Complex Radial Structure

“Normal” outer belt

Left behind belts

Protons – Worth further investigation as possible background



- A combination of large Dst and high speed solar wind sets up a belt on the outer edge of the slot ($L \sim 2.5-3.5$)
- The peak flux vs L (at fixed energy) migrates inward over the following months
- A new slot forms $L < 3.5$, either slowly on its own or promptly in response to the smaller storm
- Subsequent smaller storm create a new belt around $L \sim 4-5$
- The outer zone radial structure is a record of its recent past (months)

Automation

We are experimenting with an automated algorithm to count the number of local maxima so that we can assemble a database of events for further study.

The black circles are the lowest L maximum. The blue crosses are 2nd and 3rd local maxima.

