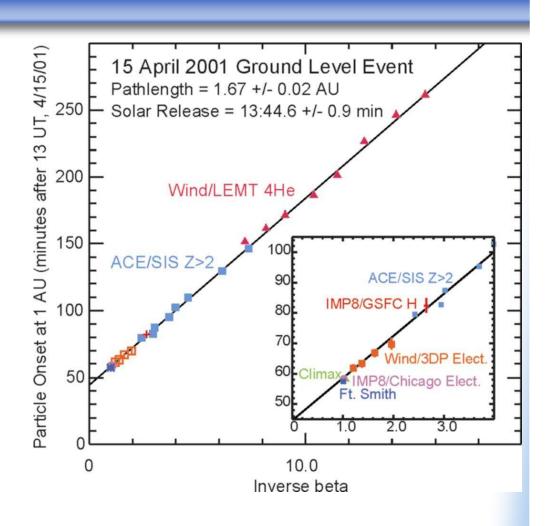
SEP Science

C.M.S. Cohen for R.A. Mewaldt Caltech

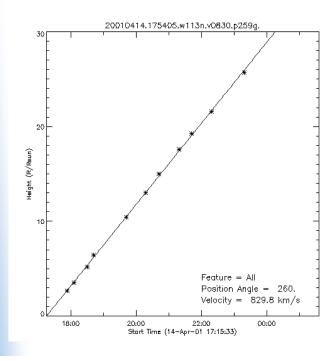
Science Questions

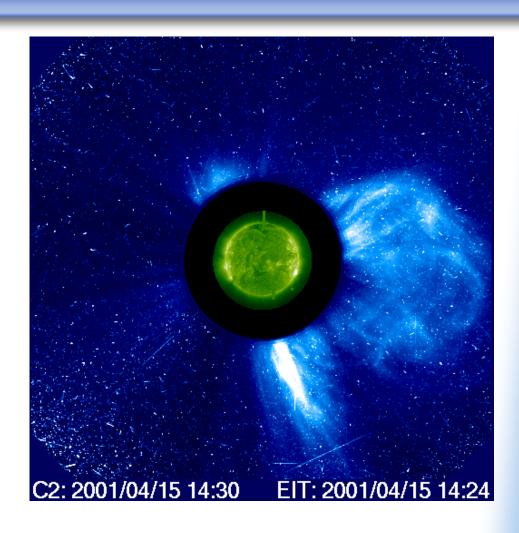
- When/where are ions accelerated?
- What is being accelerated?
- How do we explain 'hybrid' SEP events?

Timing studies

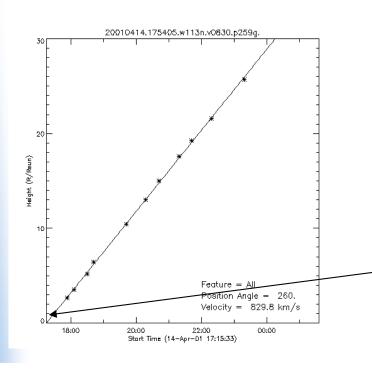


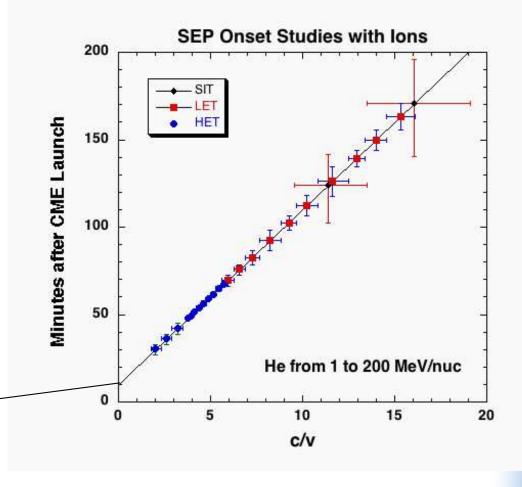
- Timing studies
- SECCHI CME observations



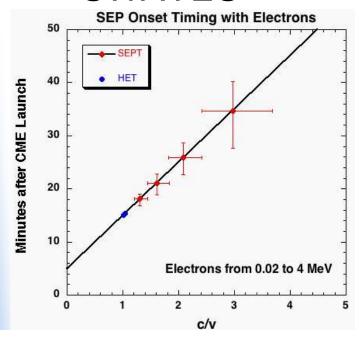


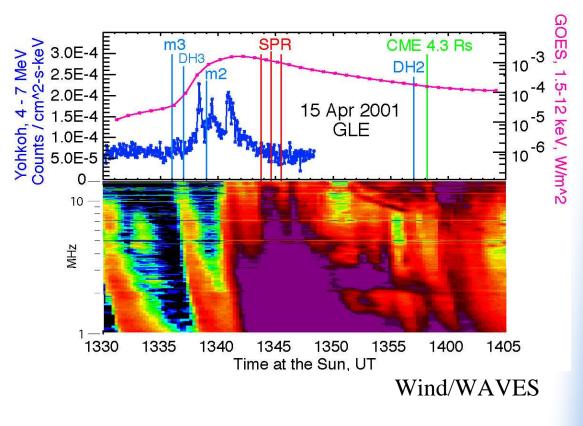
- Timing studies
- SECCHI CME observations





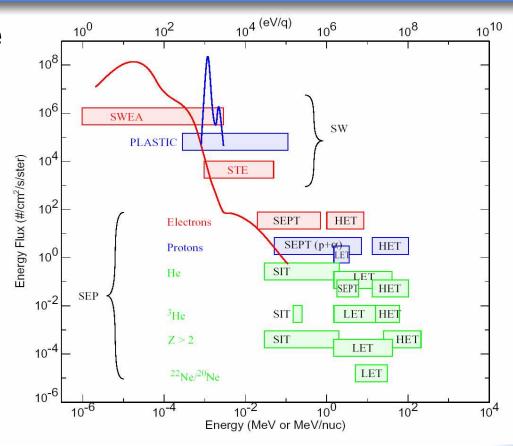
- Timing studies
- SECCHI CME observations
- SWAVES





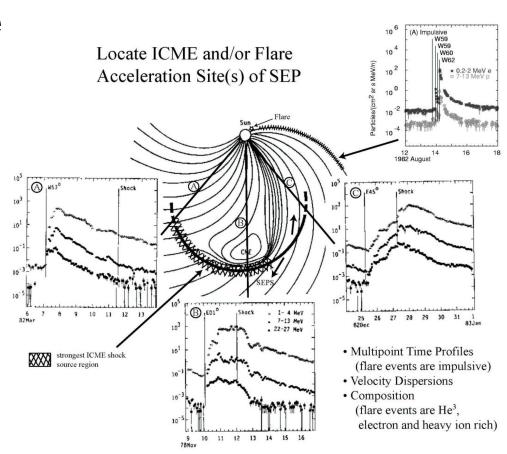
What is Being Accelerated?

- Composition over wide energy range
- Statistically significant time profiles
- Spectra over wide energy range for 'signature' particles (e.g., ³He)
- PLASTIC composition of suprathermal seed particles



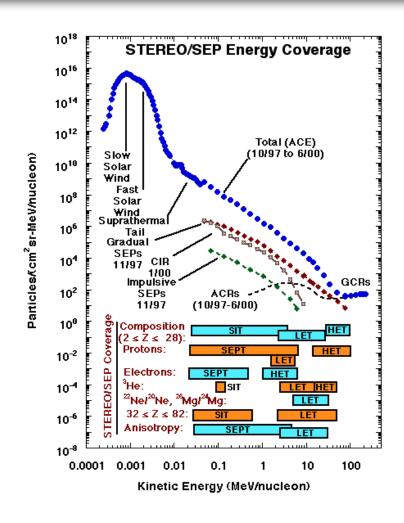
Understanding Hybrid Events

 Longitude dependence of composition



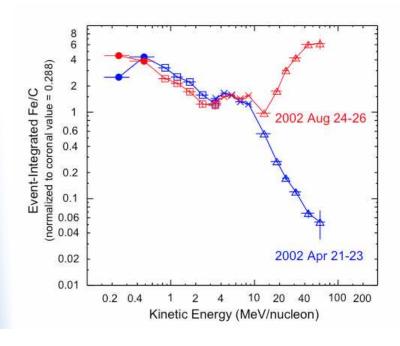
Understanding Hybrid Events

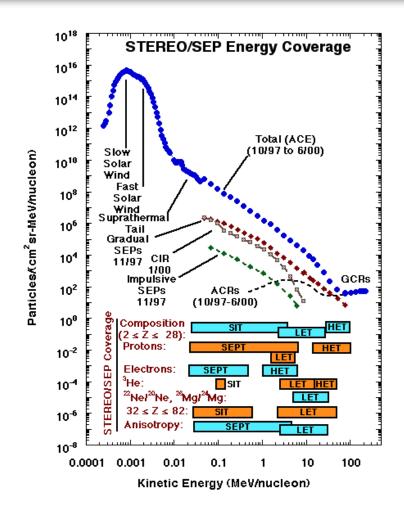
- Longitude dependence of composition
- Composition over large energy range



Understanding Hybrid Events

- Longitude dependence of composition
- Composition over large energy range

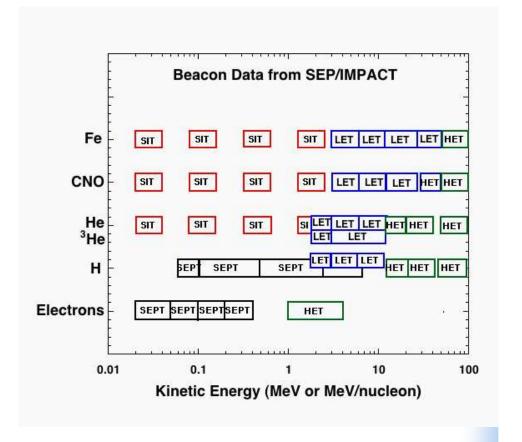




End

Beacon Data

Real time heavy ion composition - new



Beacon Data

- Real time heavy ion composition new
- H and e⁻ complementary to ACE

