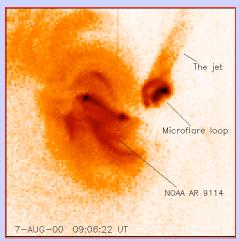
Solar sources of impulsive SEPs

http://sprg.ssl.berkeley.edu:80/RHESSI/iseps/

Special one-day seminar at SSL, Berkeley Nov. 3, 2006 (09:00-15:00)

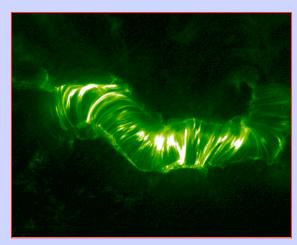
Candidate Counterparts I



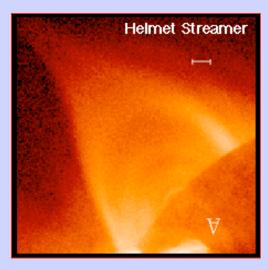
X-ray jet (EUV, WL?)



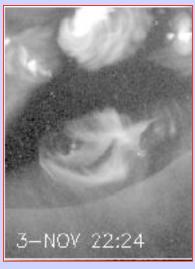
Skinny coronal hole



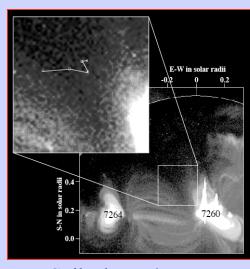
Flare



Helmet streamer

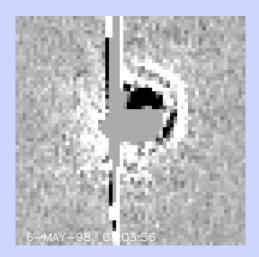


Coronal hole

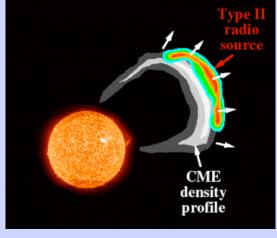


Spike burst / IIIs

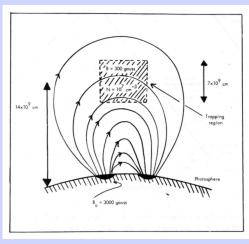
Candidate Counterparts II



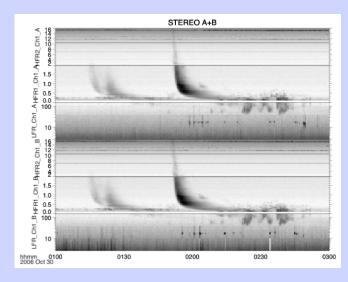
Flare shock



CME-driven shock



Previously owned particles



Type III burst



Post-CME turbulence



High coronal flare

What are the problems?

- What thing accelerates the SEPs?
- How is the chemical signature imposed (elemental, isotopic, ionization)?
- What is the physics of the acceleration?
- What causes the observed delays?
- Does the problem of magnetic connectivity require an extended source region?
- Are there multiple types of counterpart for the impulsive SEPs?