

WHAT NEEDS TO BE EXPLAINED BY THEORISTS?

1. WHY DID THE US RE-ELECT GEORGE BUSH?
1. ENHANCEMENT OF A/P AND HEAVIES—
ACCELERATION PROCESSES THAT DO THIS
AT THE SUN.
2. WHAT CAUSES THE HIGH-ENERGY LONG
DURATION TAILS (ASSOCIATED WITH
RADIO)?
3. WHY DO HARD X-RAYS HAVE TWO FOOT
POINTS AND IONS ONLY ONE IN SOME
FLARES?
4. SHIFT IN LOCATIONS OF ION AND ELECTRON
FOOTPOINTS.
5. WHY DO WE SEE HIGH-ENERGY EMISSION IN
SUN CENTERED FLARES? EARLY PHASE
OCTOBER 28, 2003; 11 JUNE 1990.
6. HOW DOES THE SUN ACCELERATE
ELECTRONS TO SEVERAL HUNDRED MEV?
7. HOW DOES THE SUN ACCELERATE IONS TO
GEV ENERGIES IN 10'S OF SECONDS AND YET
LAST FOR HOURS?

8. WHY DO WE ONLY SEE GAMMA-RAY LINES
WHEN ELECTRONS > 300 KEV ARE PRESENT?
9. WHY ARE THE ELECTRON AND ION FLUENCES
SO CLOSELY ASSOCIATED (ON AVERAGE)?