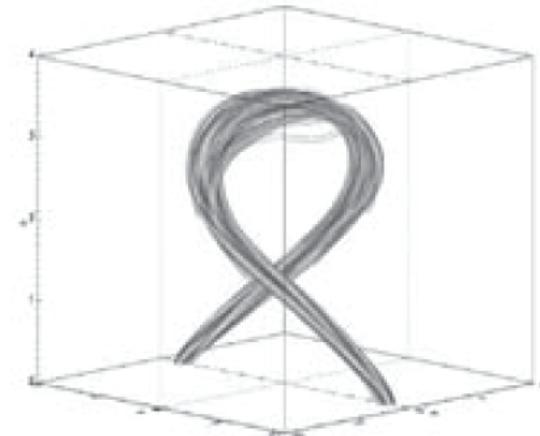
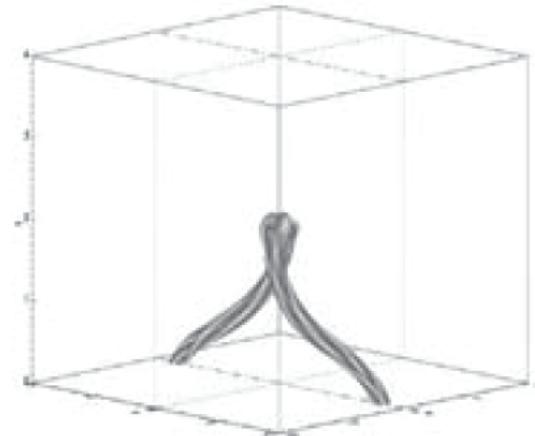
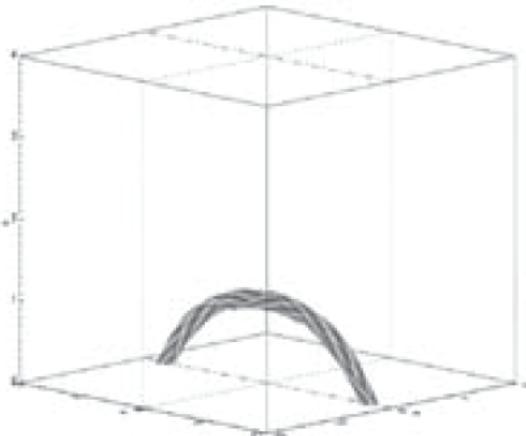
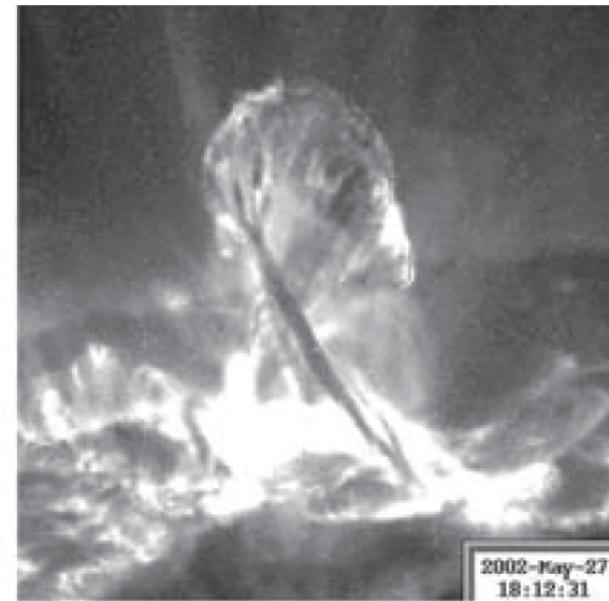
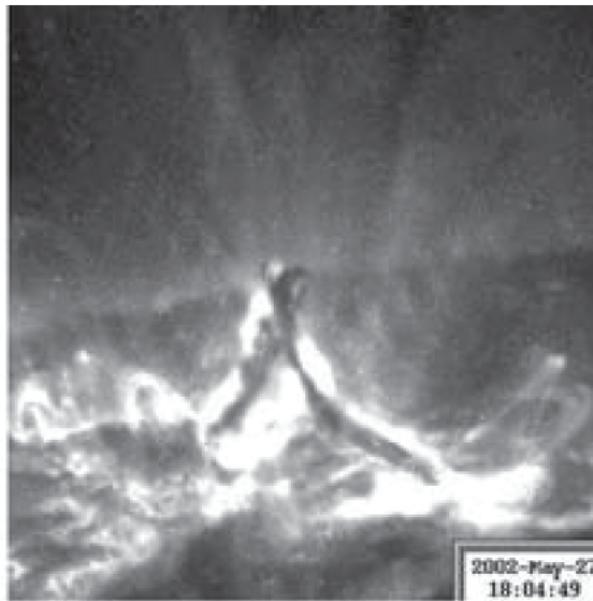
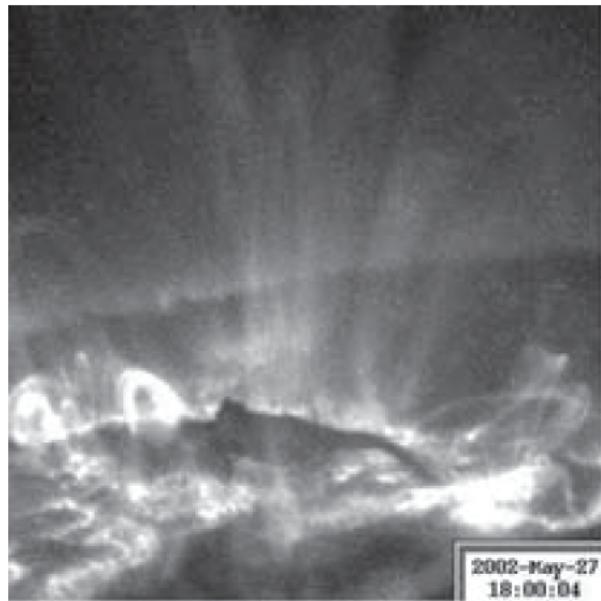


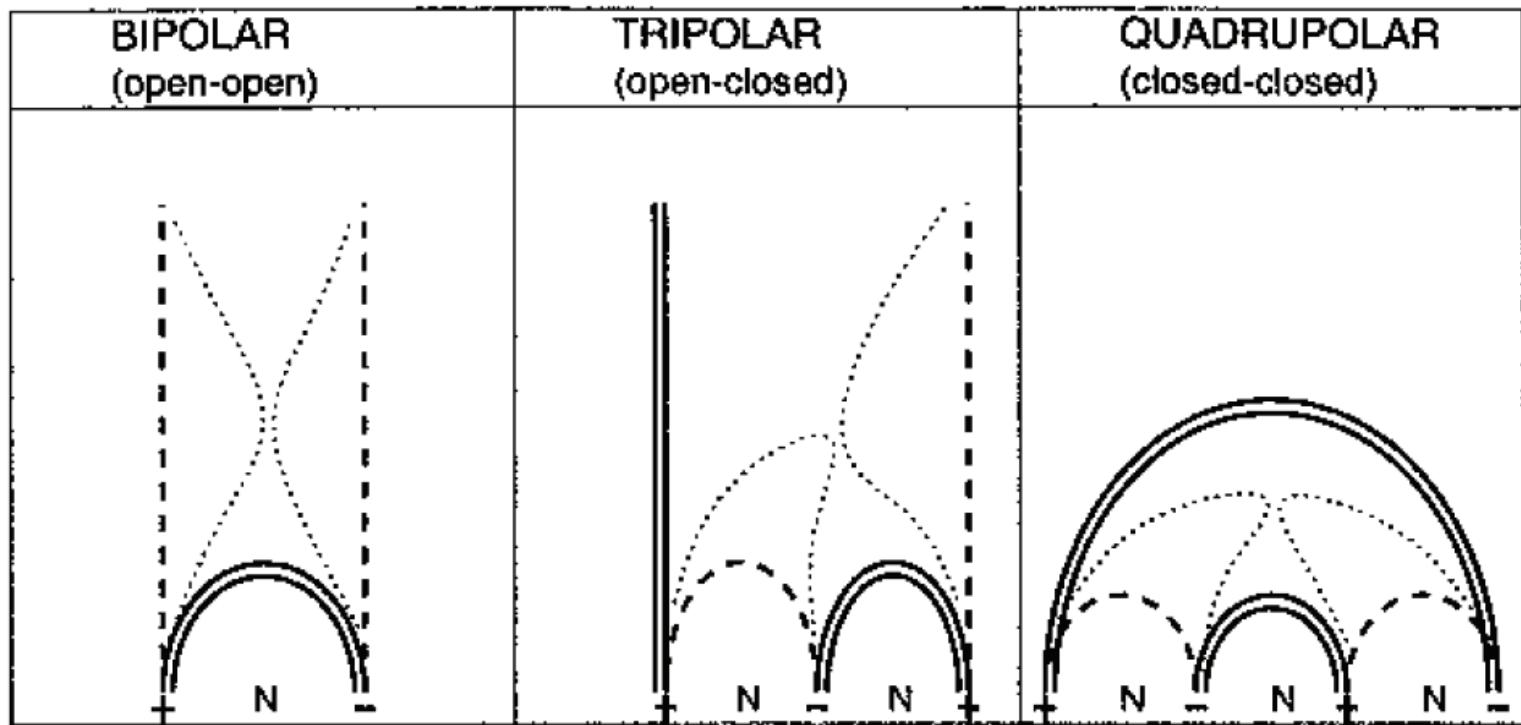
Modulacija driftnih struktura mikrotalasnog wavelet spektra tokom erupcija na Suncu

< Modulation of drifting tadpole structures in Solar flare wavelet spectra >

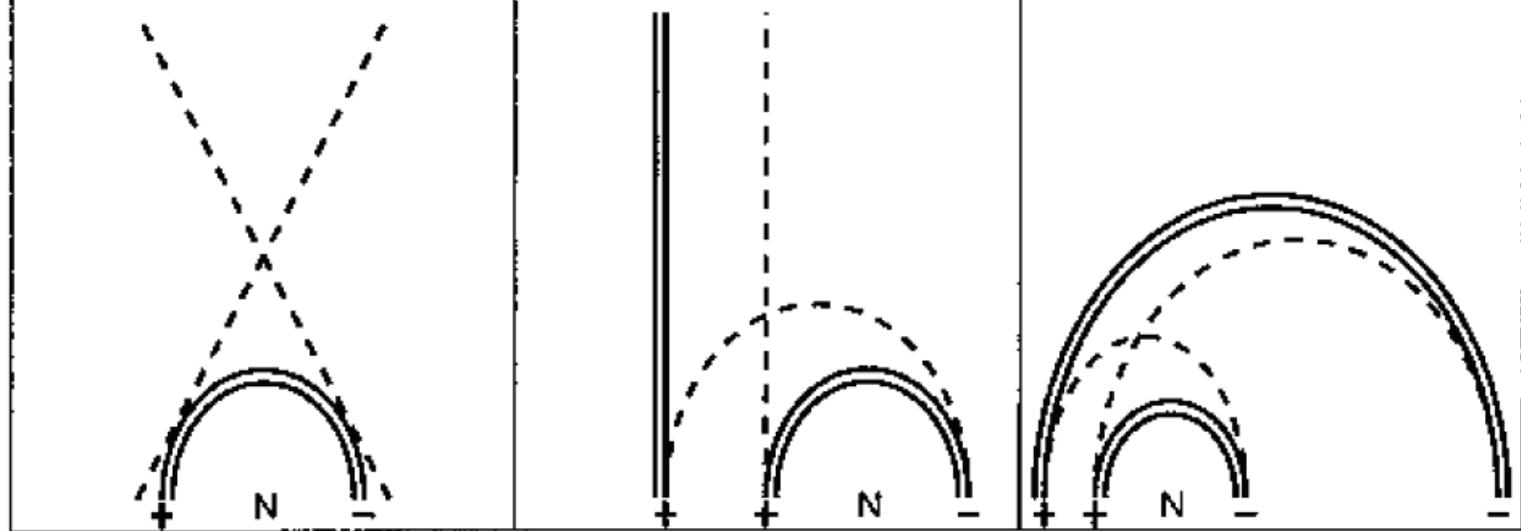
REKONEKCIJA MAGNETNIH POLJA

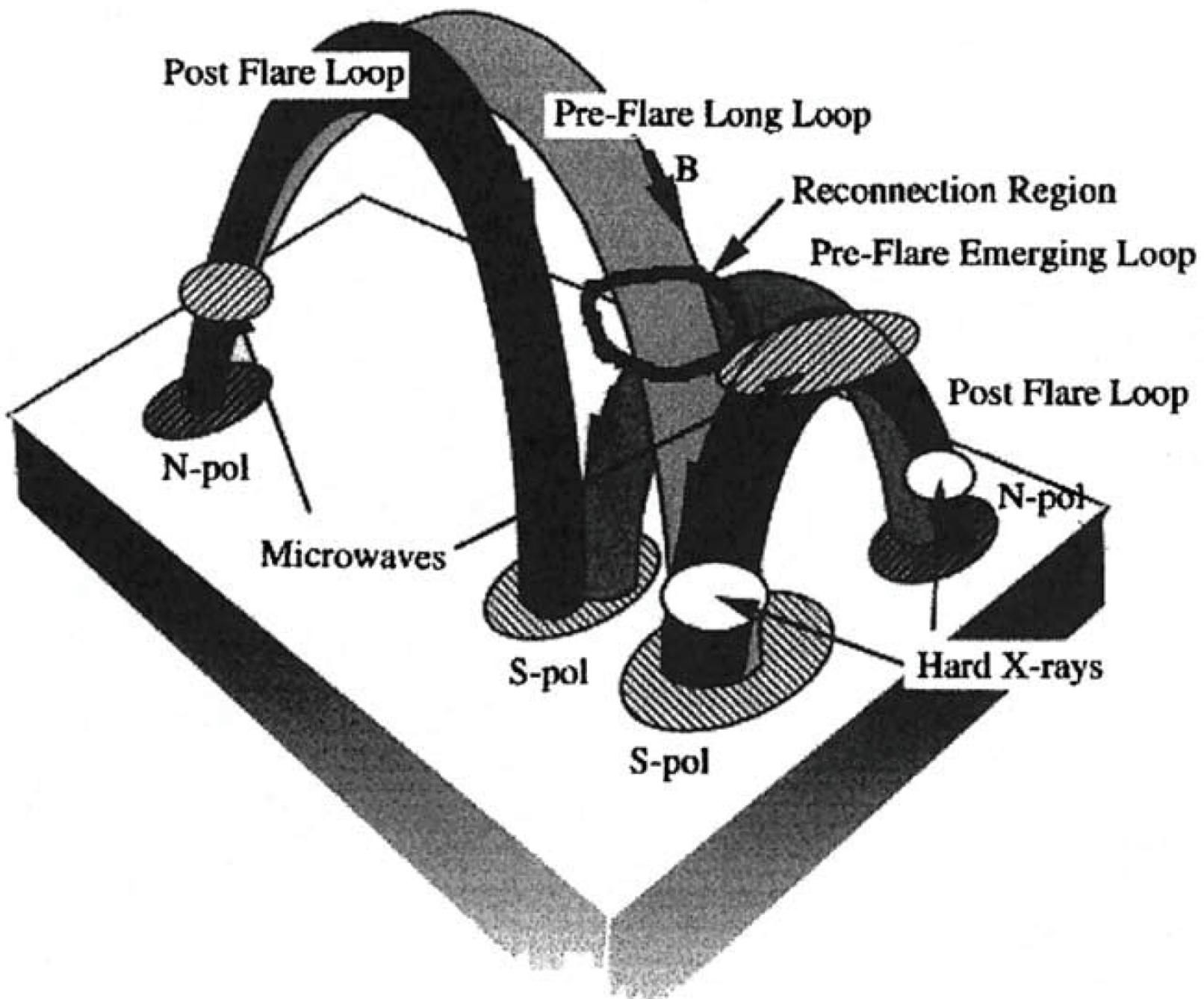


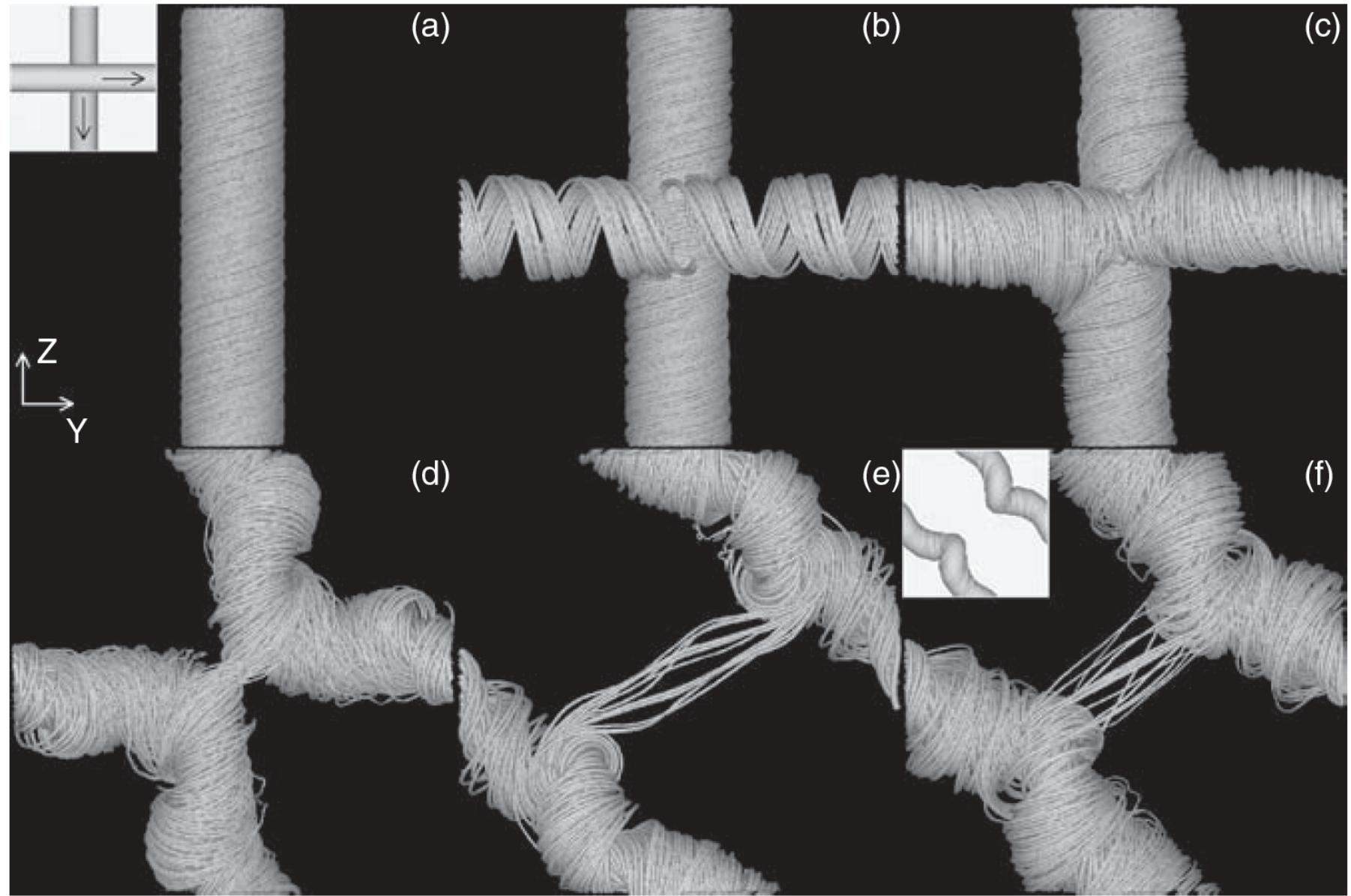
2D



3D







1999-Mar-18 16:40 UT, Yohkoh/SXT

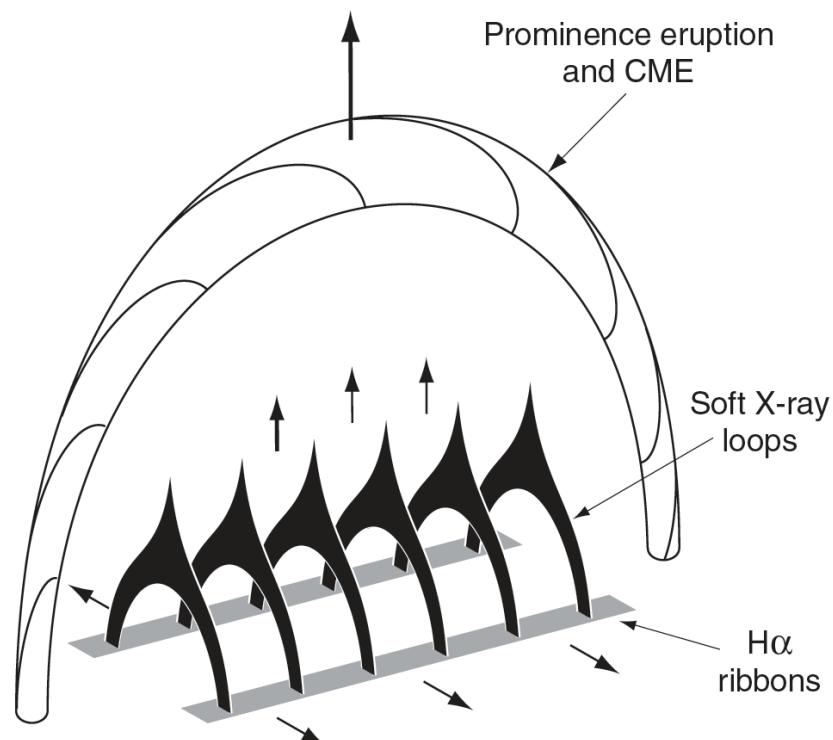
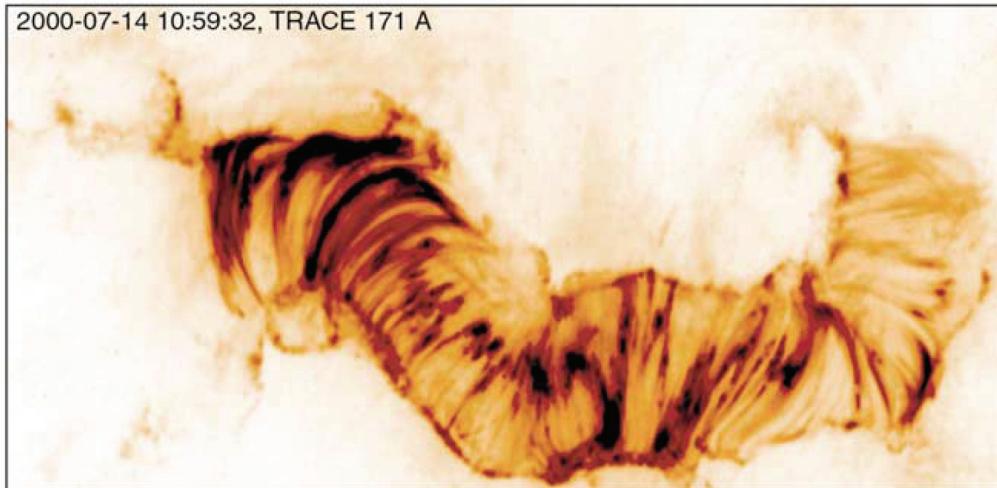
Yohkoh SXT, A/Mg

2000-Jun-07 14:49 UT, Yohkoh/SXT

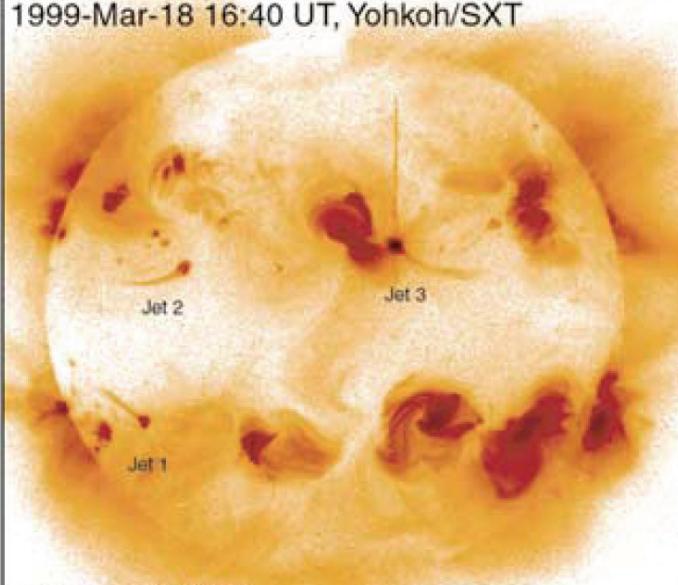
2001-Apr-19 13:31:05 UT, TRACE 171 A

1998-Sep-30 14:30:05 UT, TRACE 171 A

2000-07-14 10:59:32, TRACE 171 A

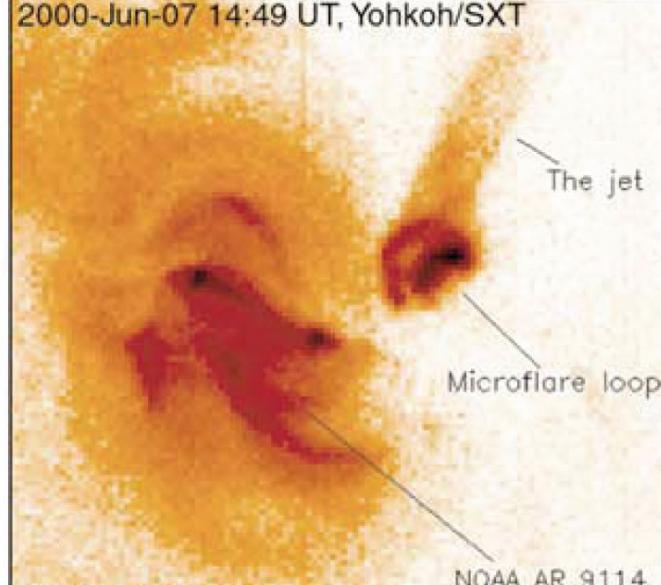


1999-Mar-18 16:40 UT, Yohkoh/SXT



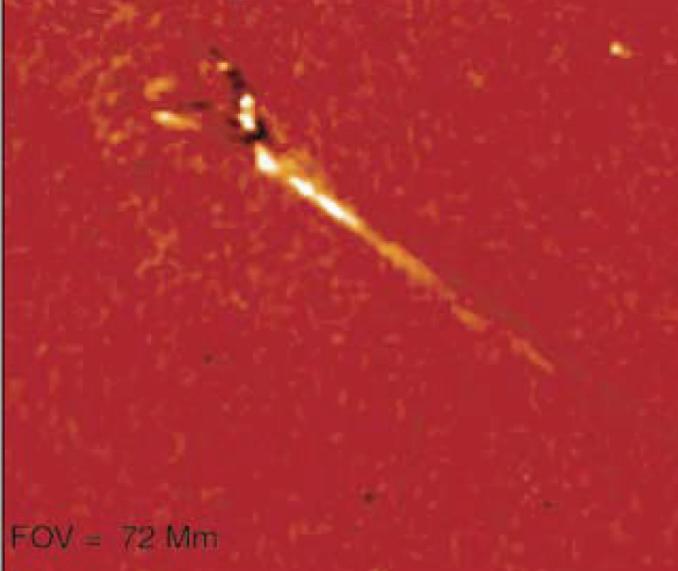
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2000-Jun-07 14:49 UT, Yohkoh/SXT



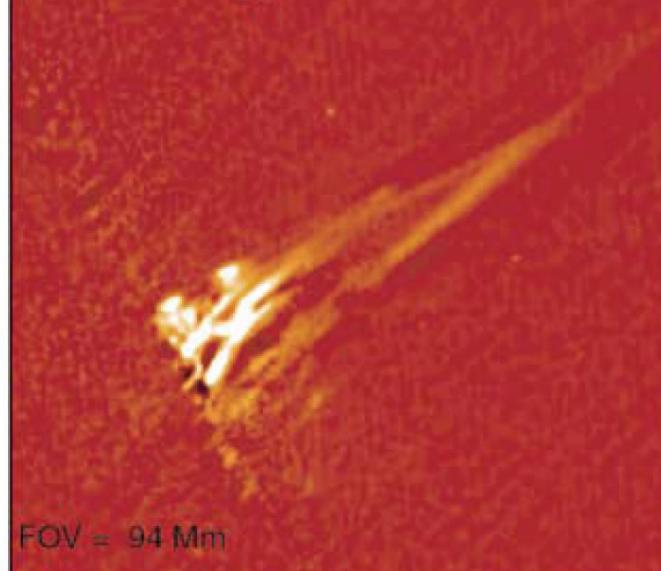
NOAA AR 9114

1998-Jul-3, 20:16:20-20:17:07 TRACE 171 A
(Difference image)

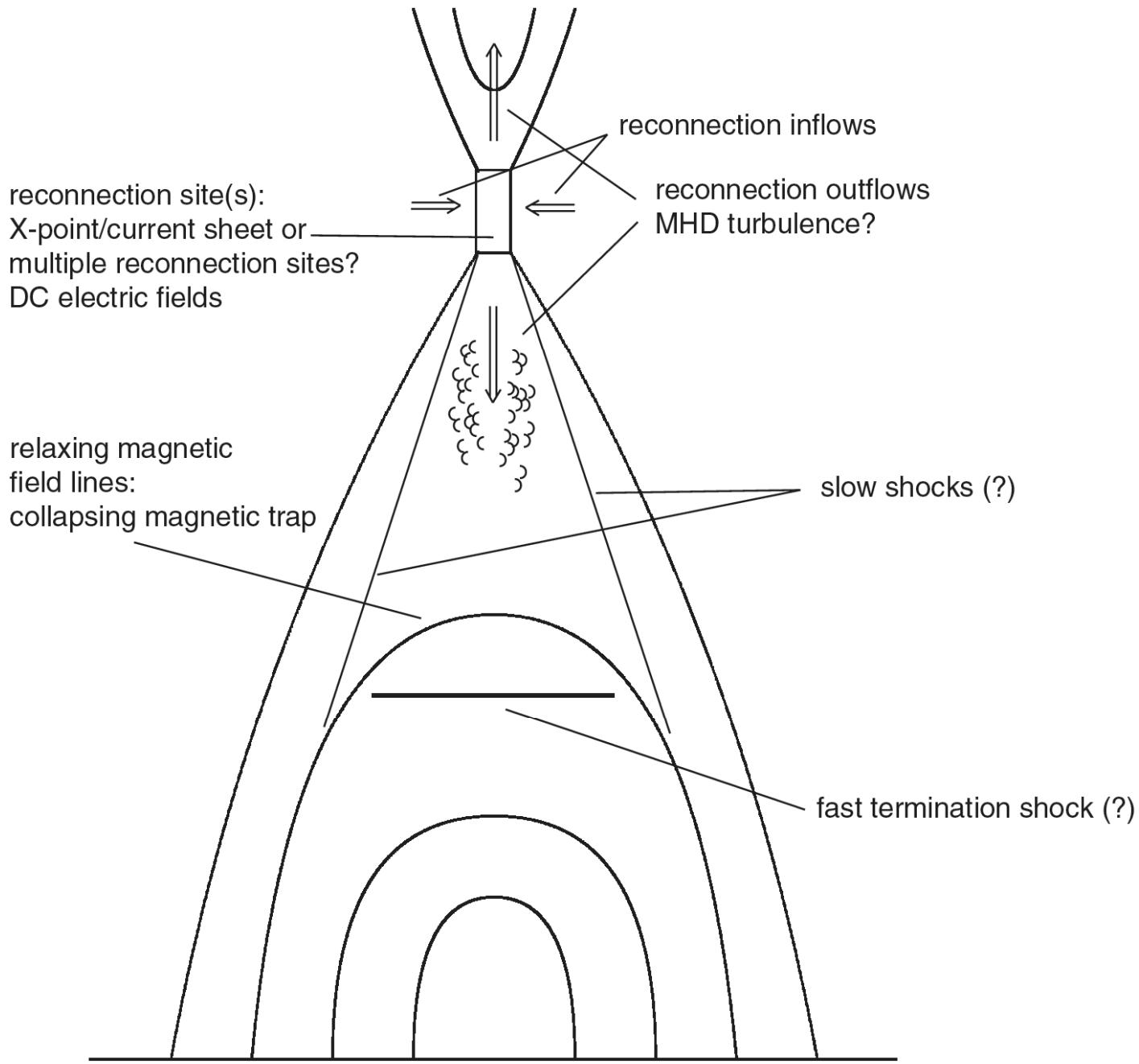


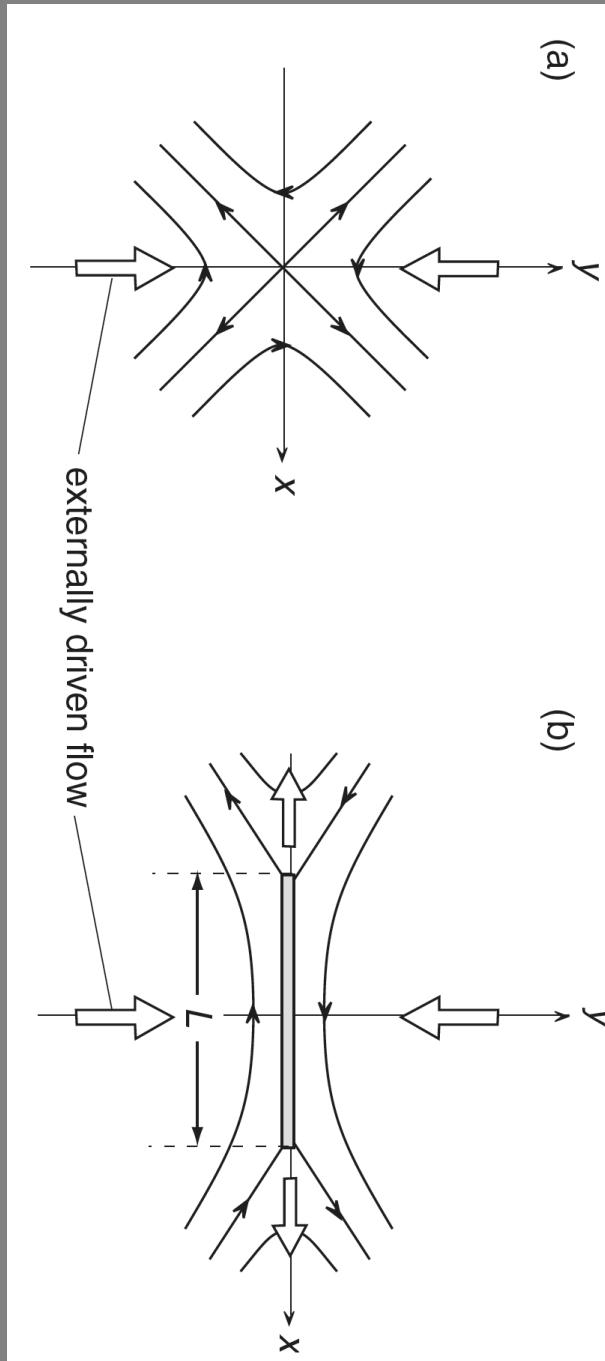
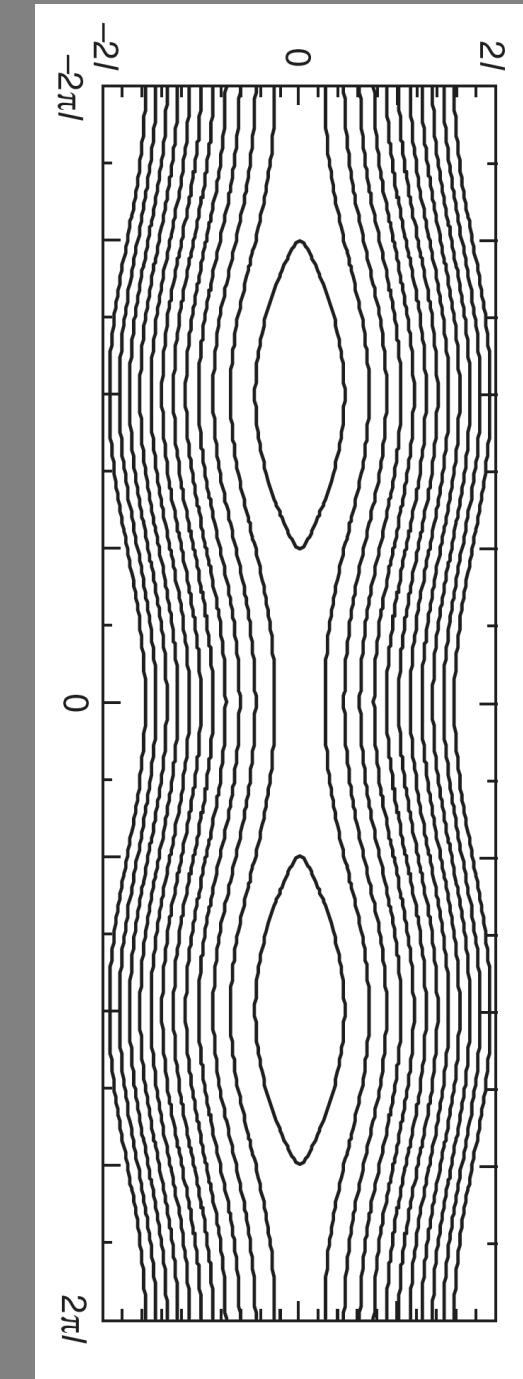
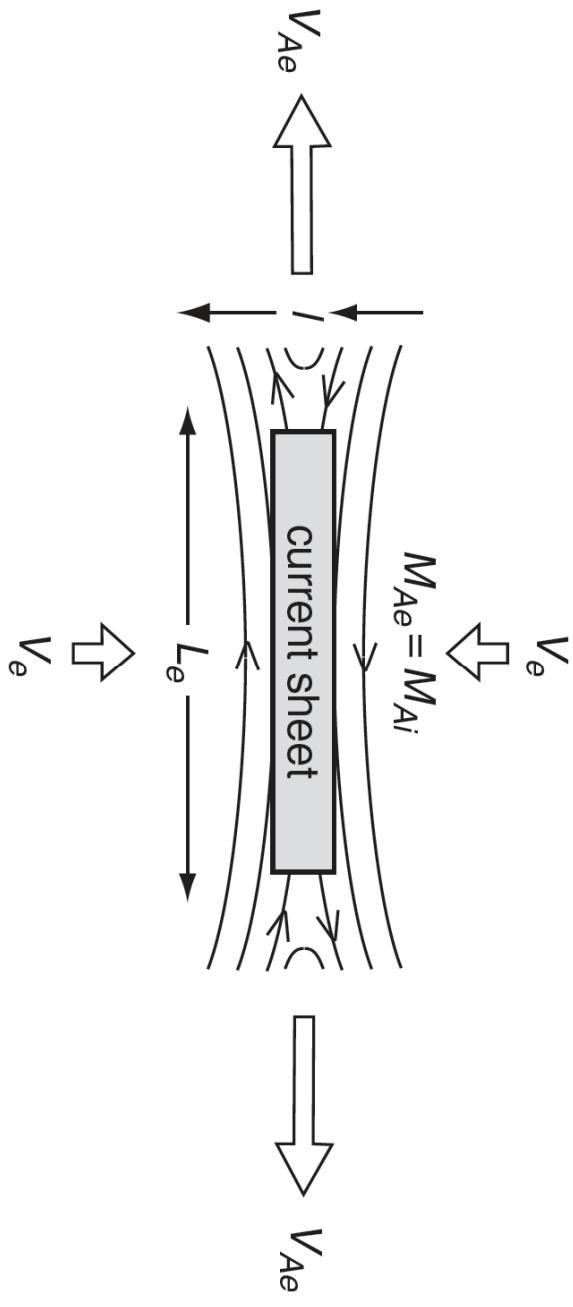
FOV = 72 Mm

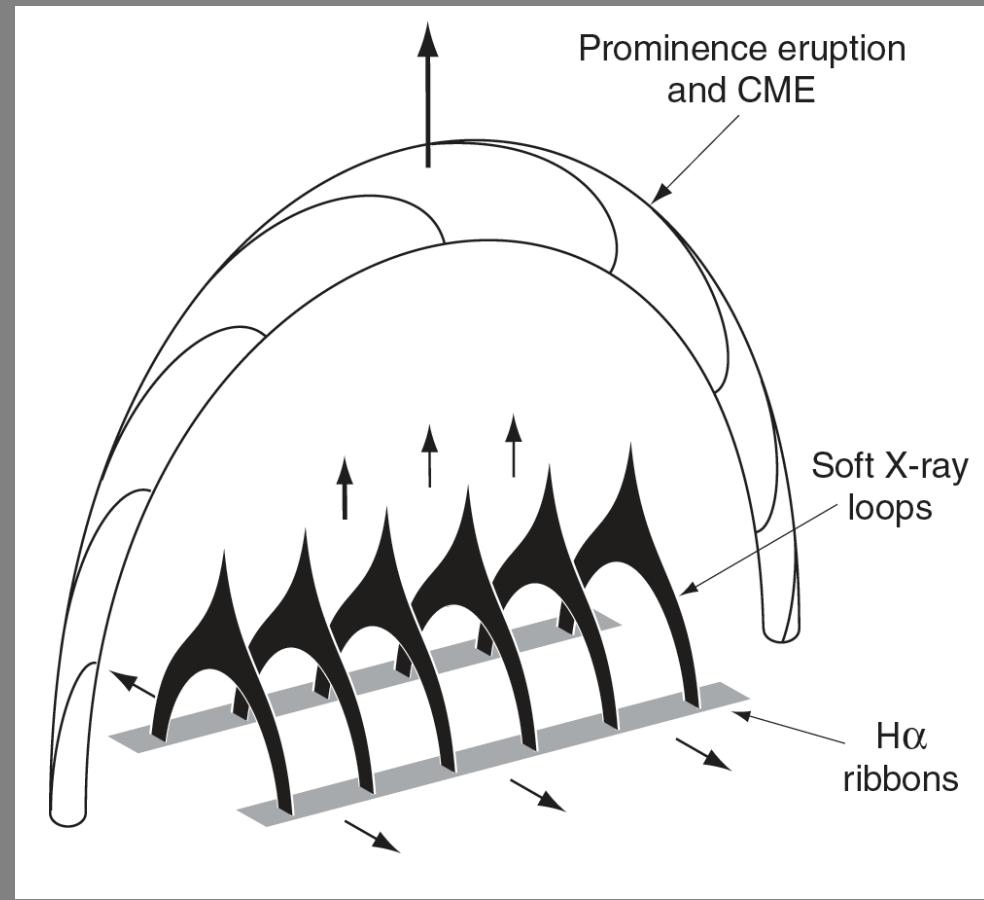
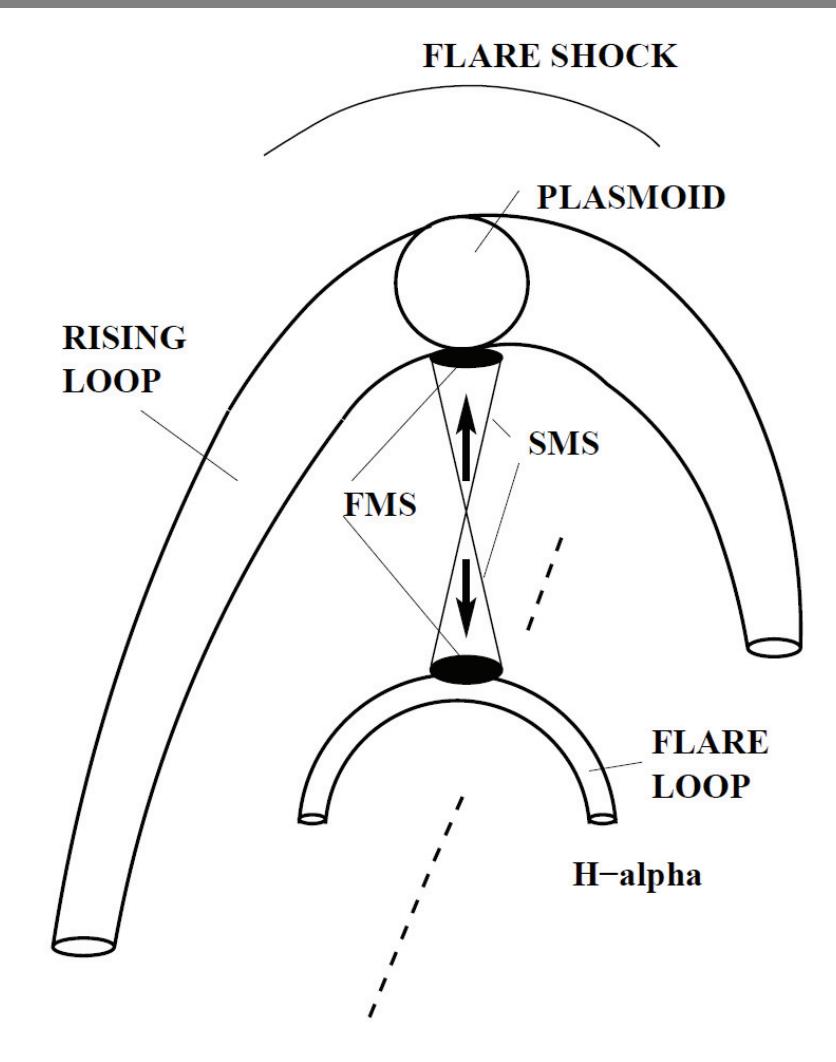
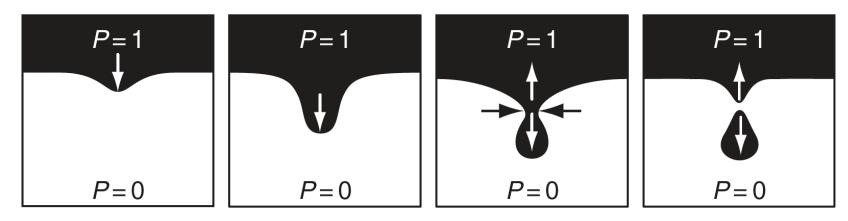
1998-Jul-5, 08:56:57-08:58:30 TRACE 171 A
(Difference image)



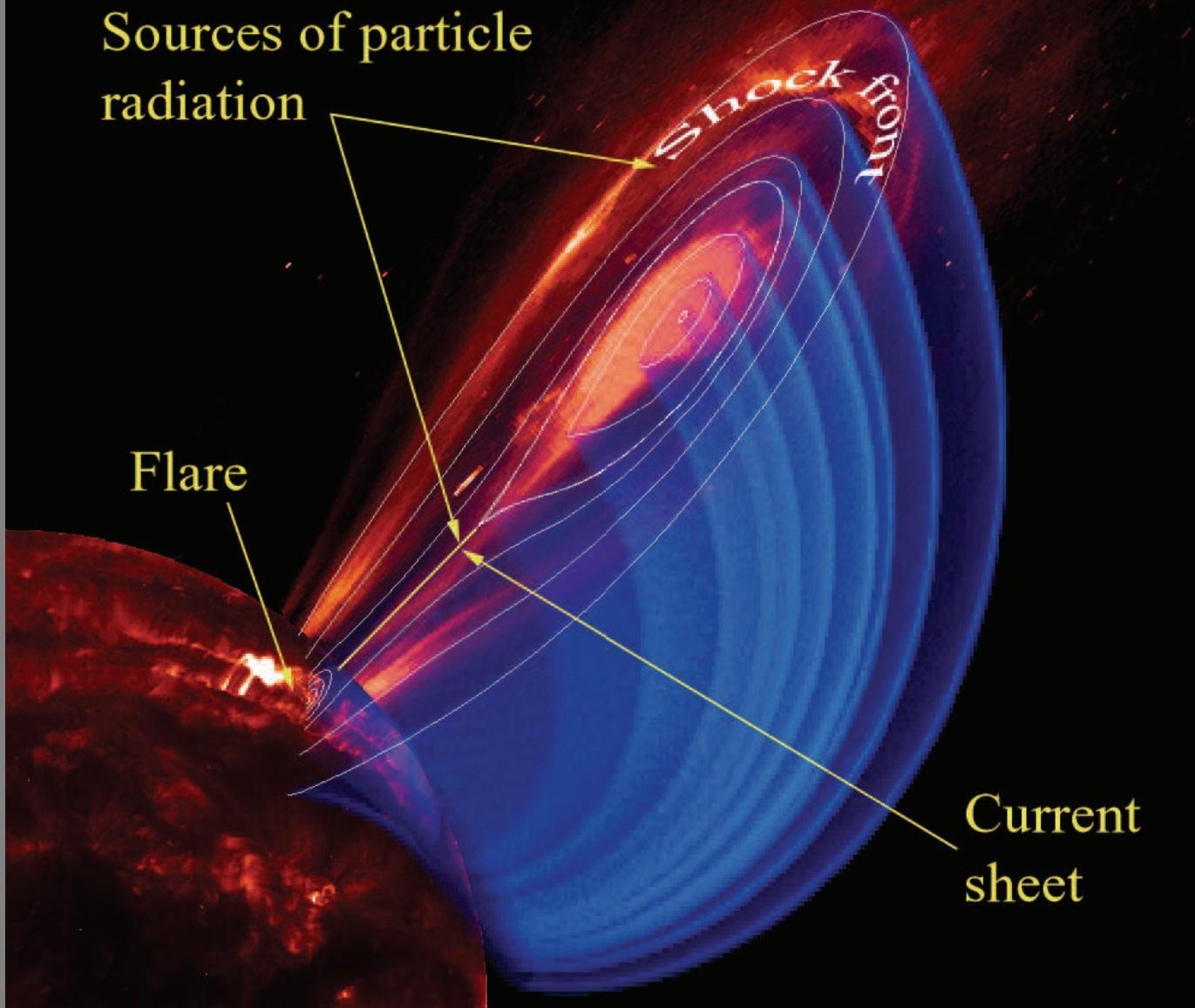
FOV = 94 Mm



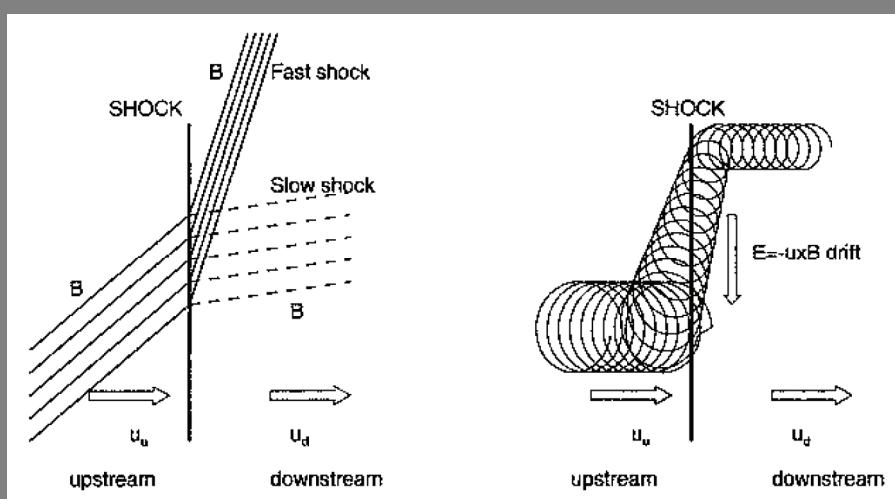
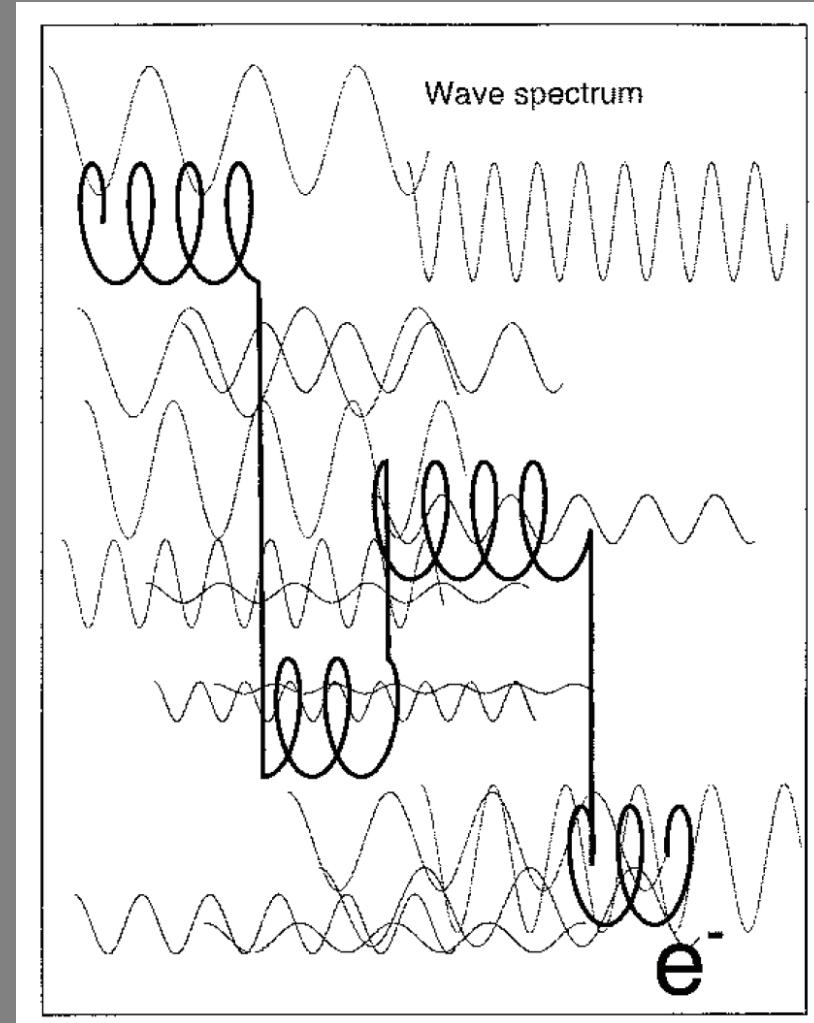
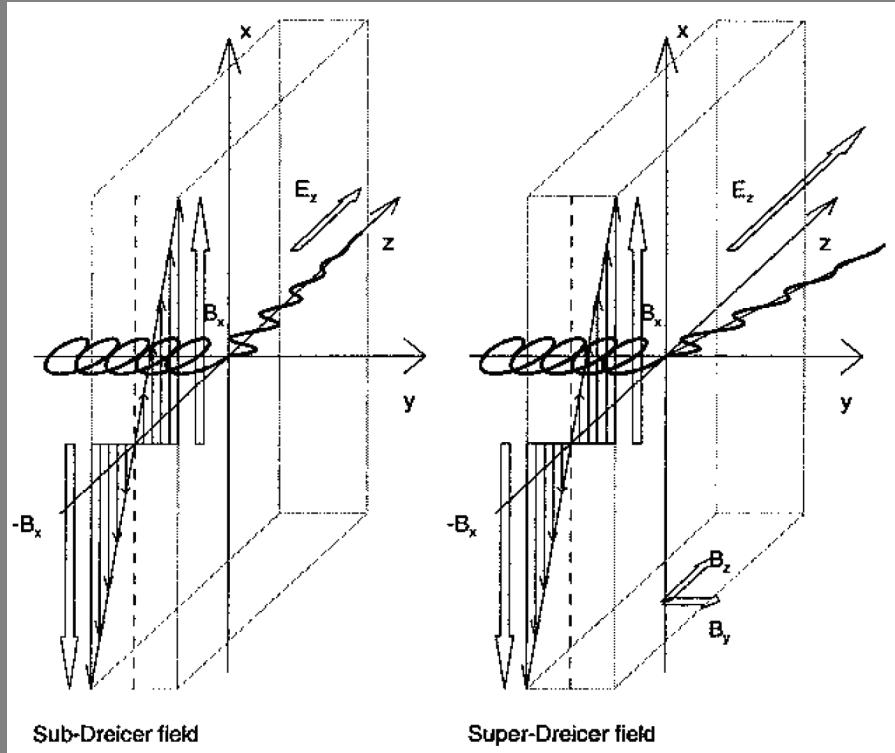


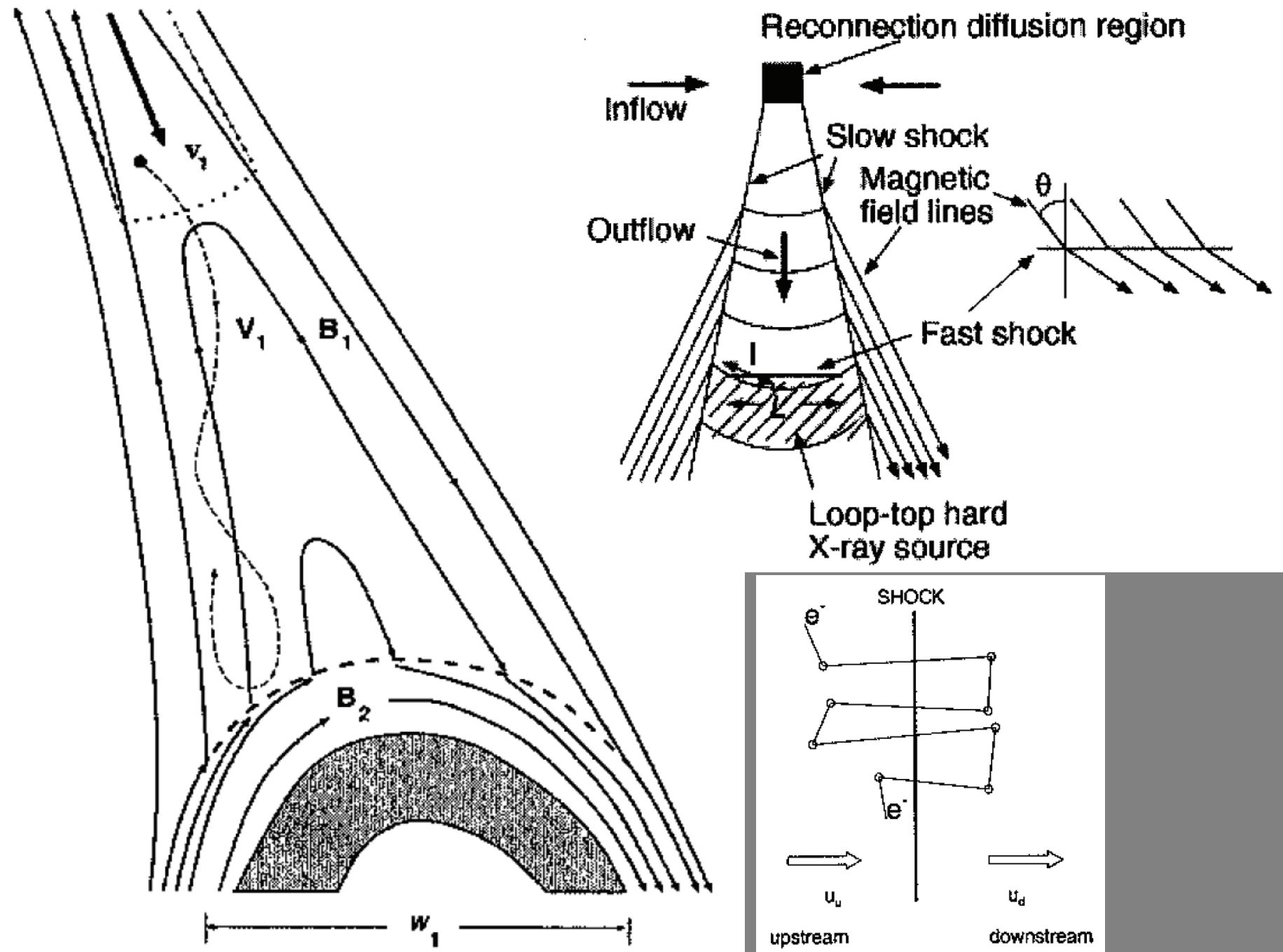


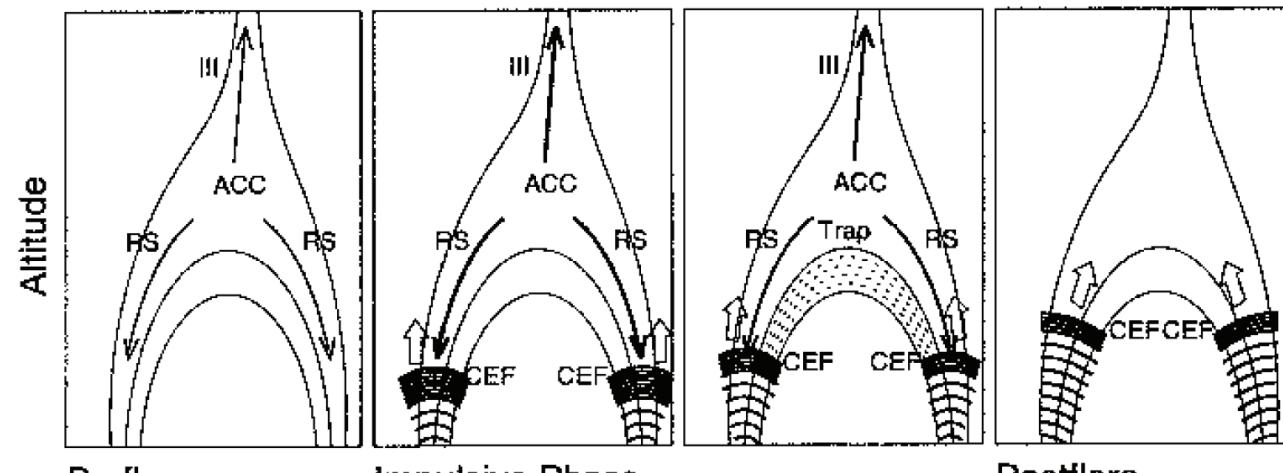
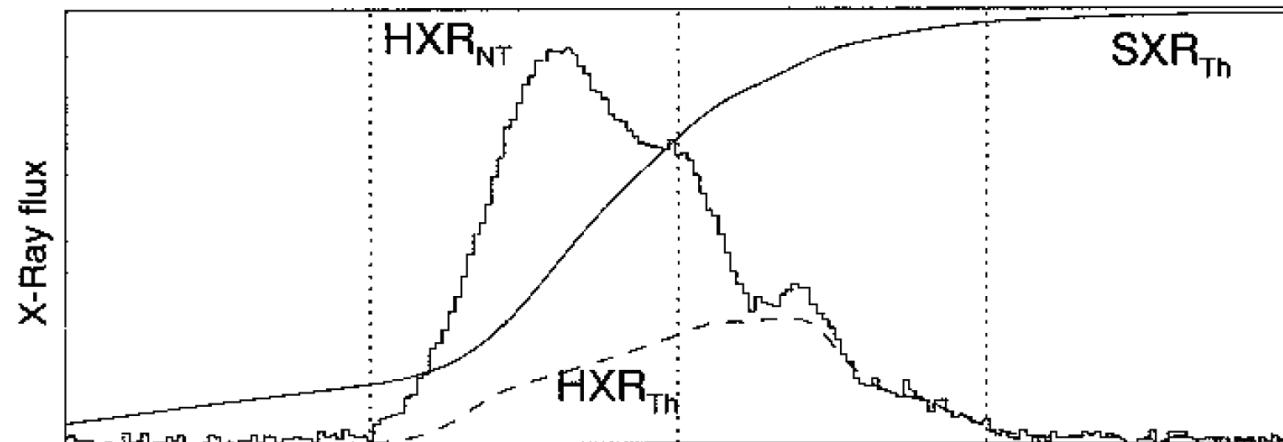
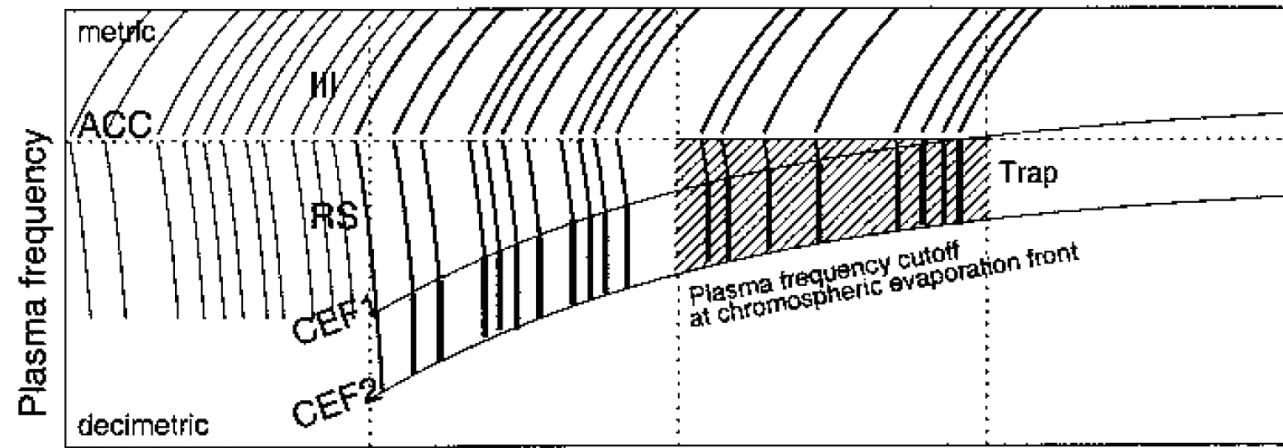
CME



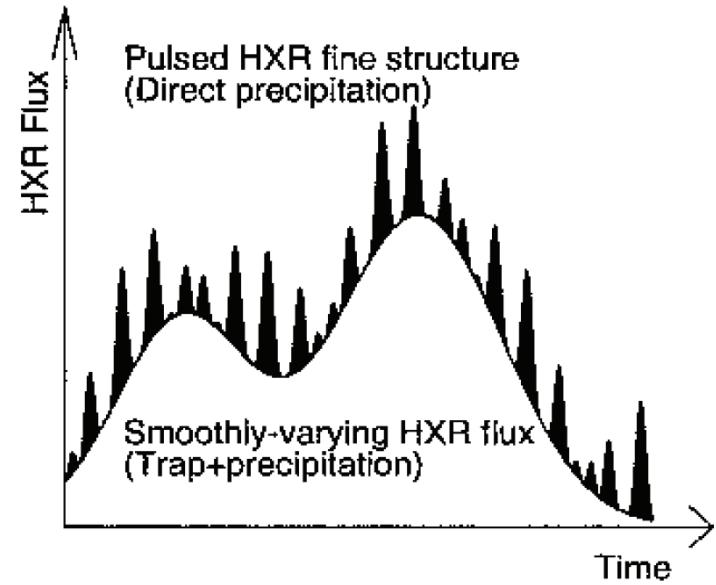
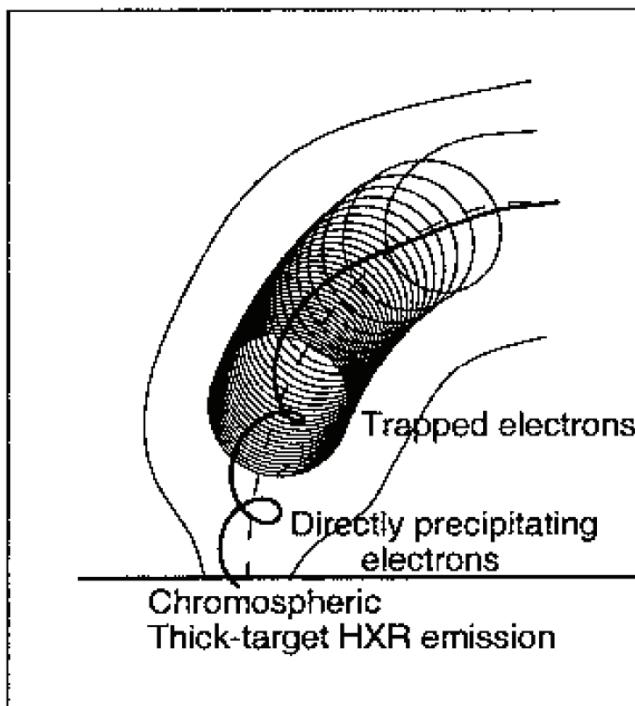
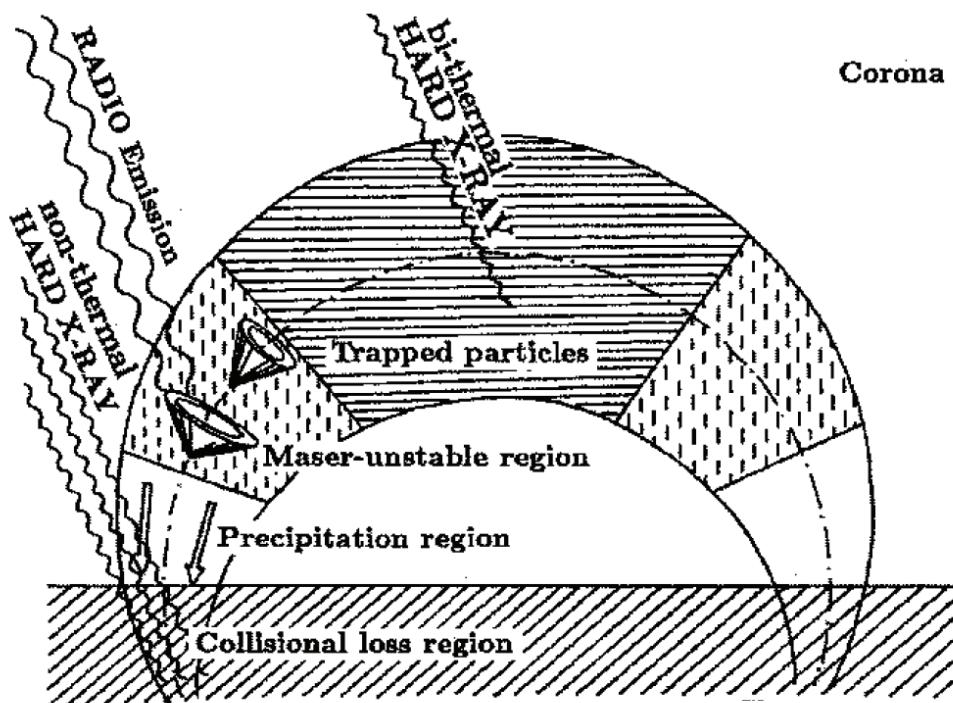
UBRZANJE ČESTICA

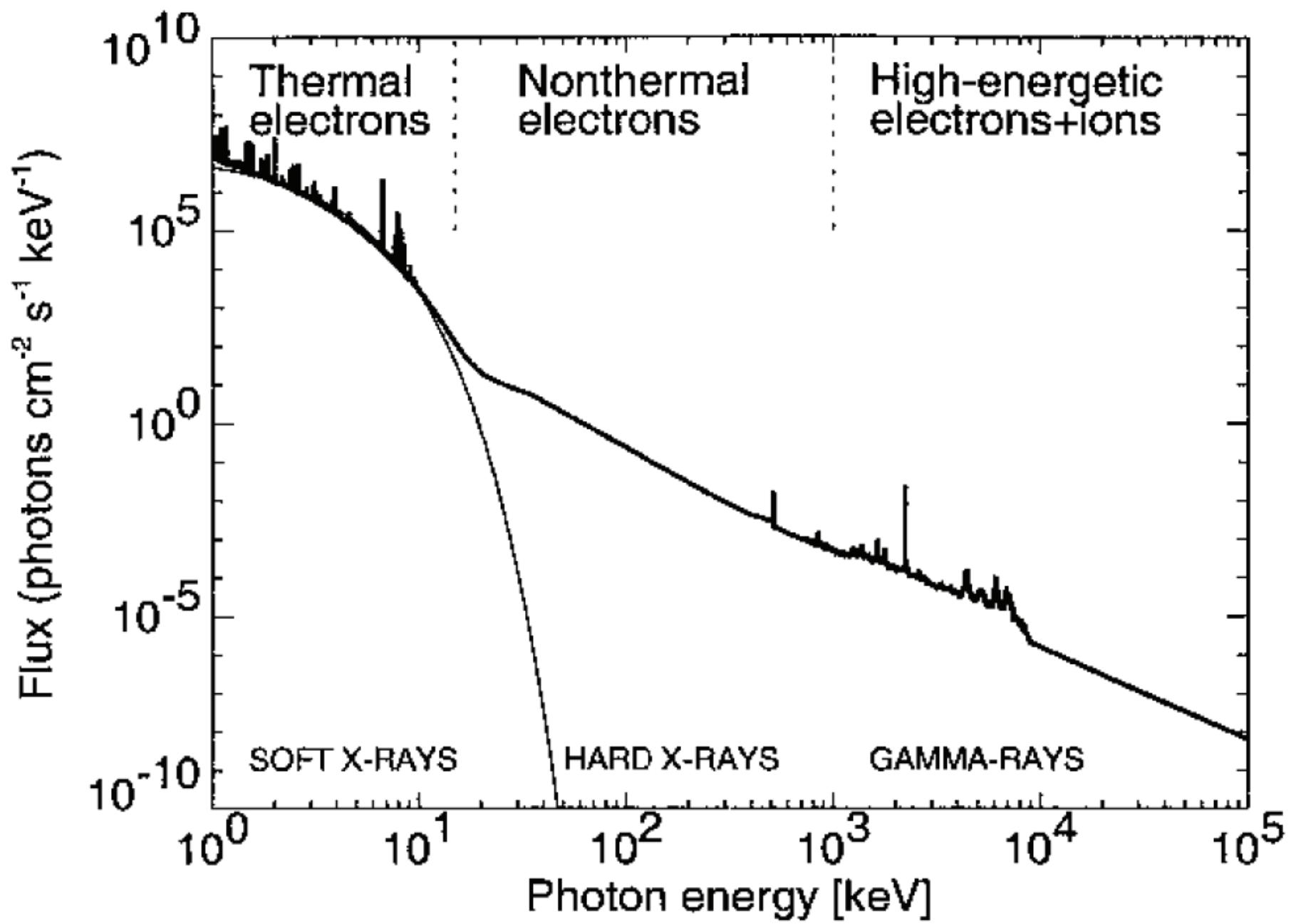




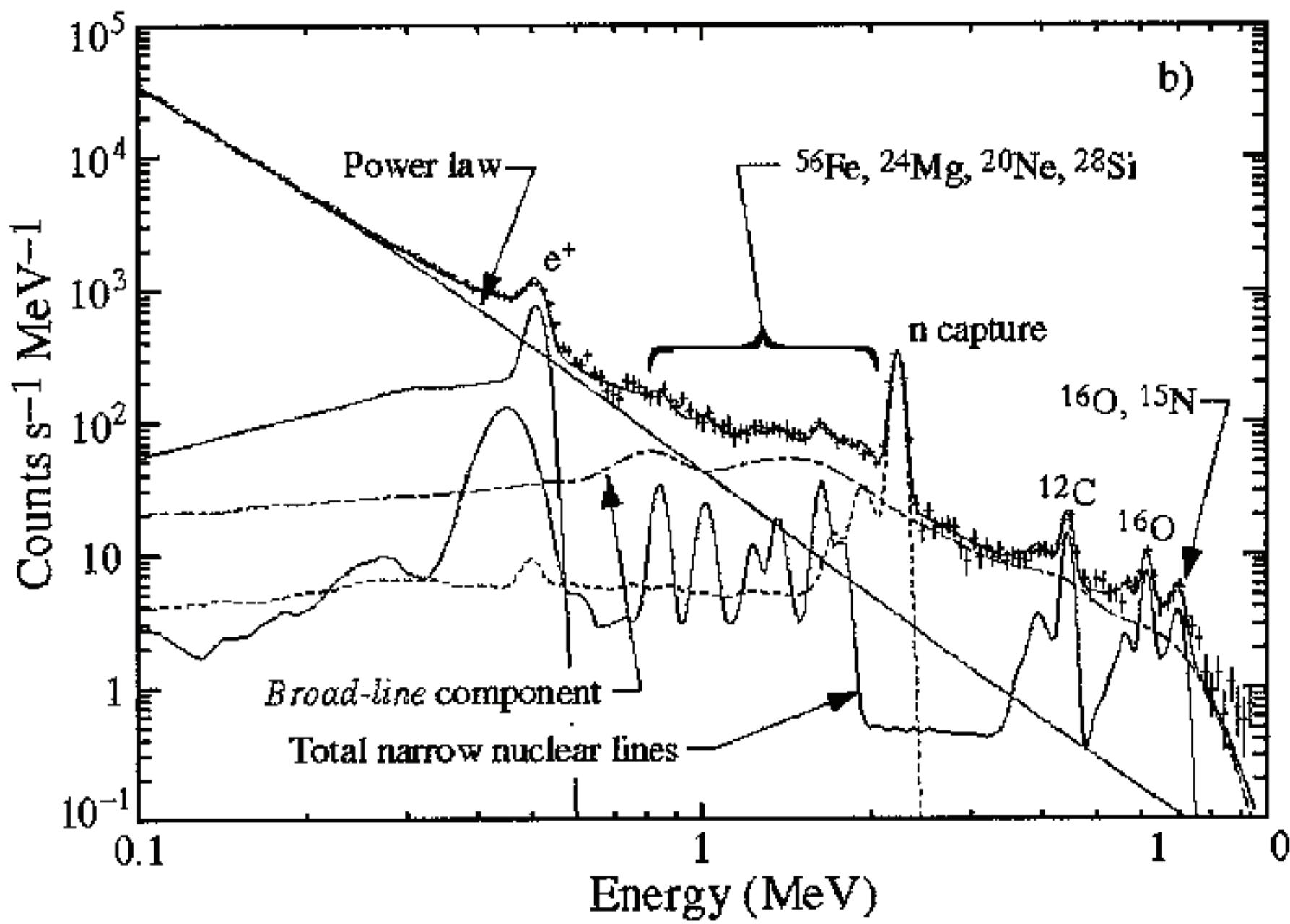


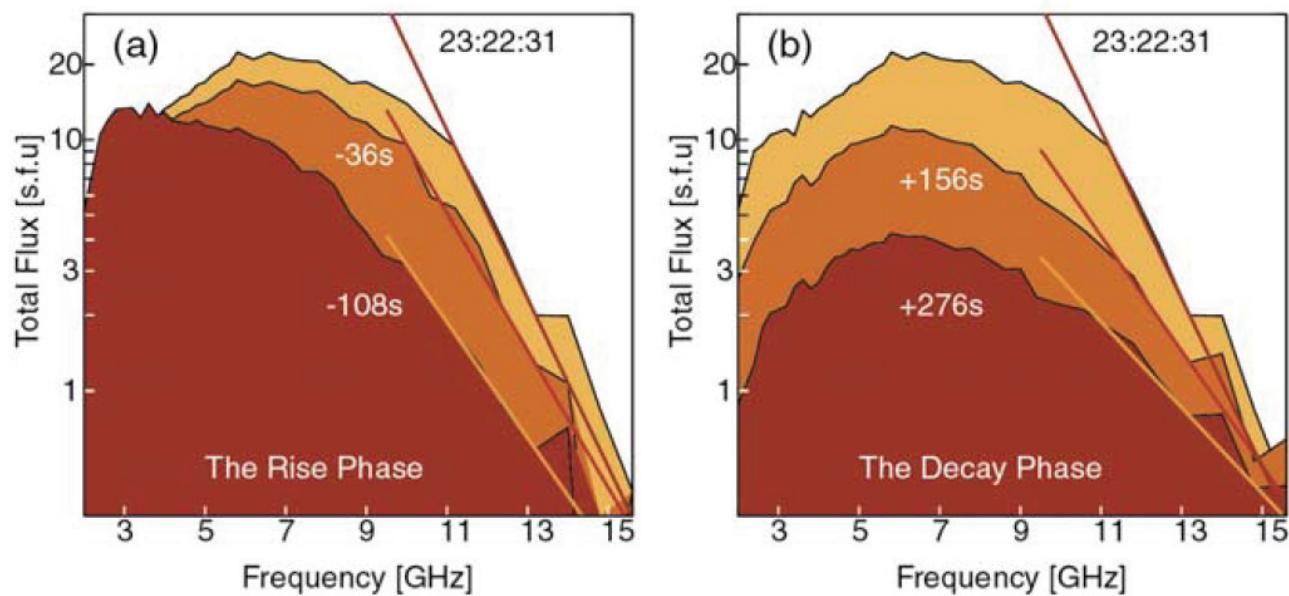
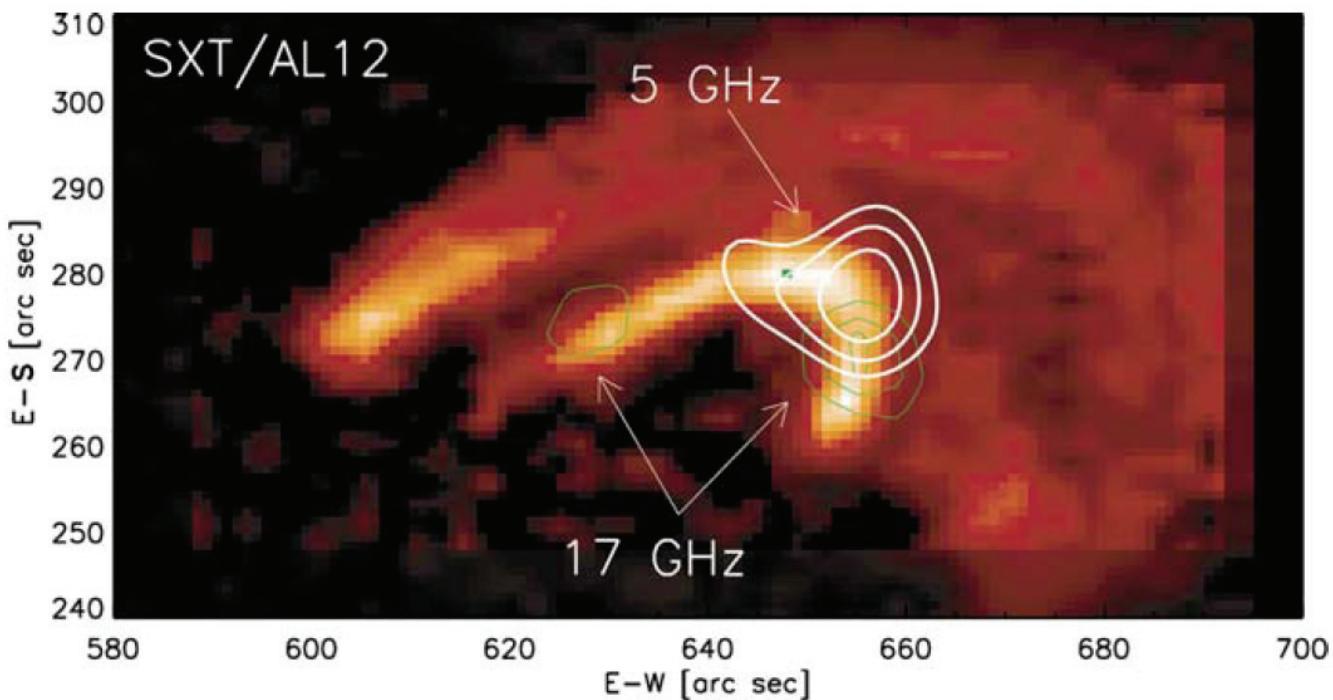
MEHANIZMI ZRAČENJA



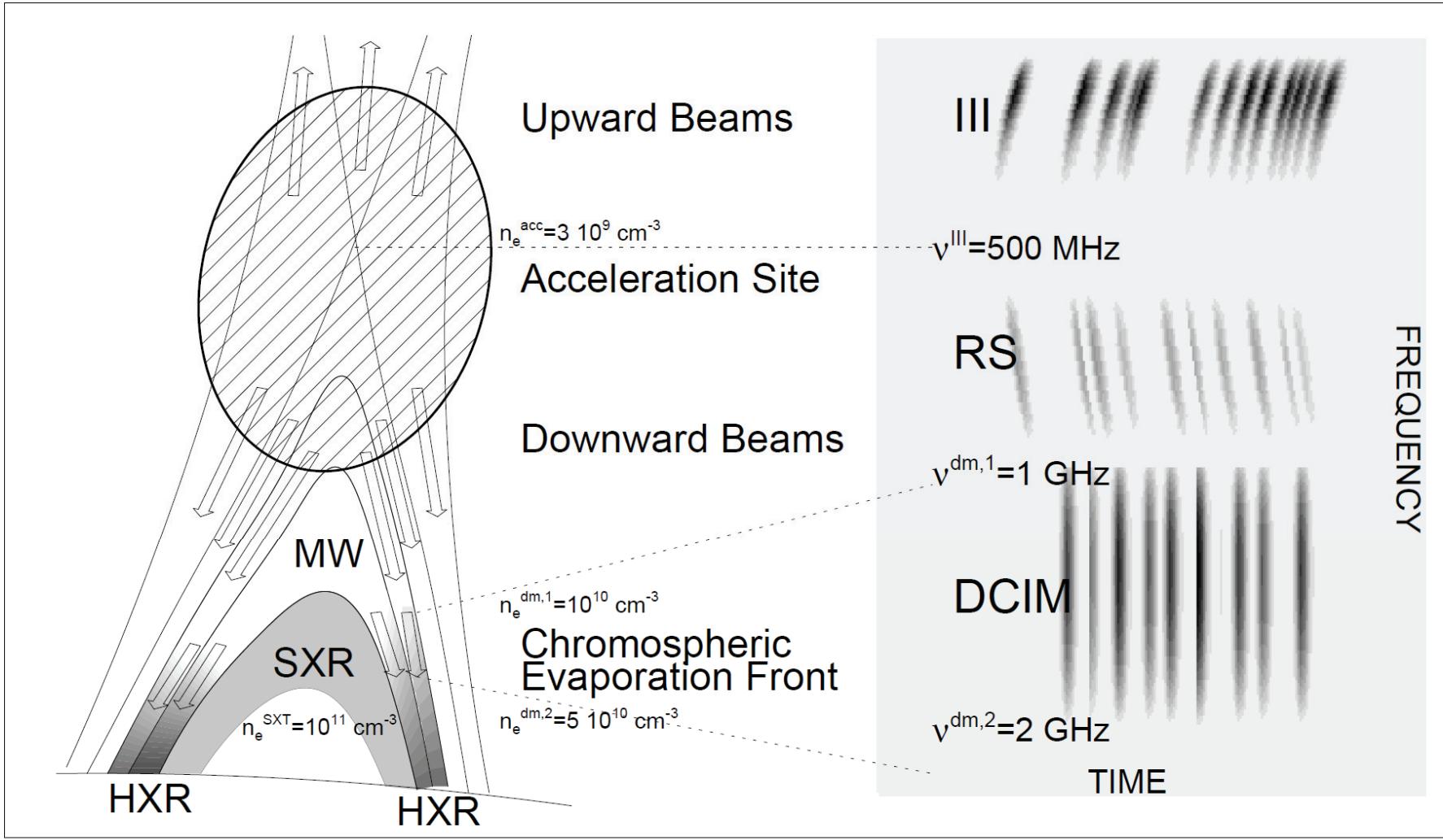


b)

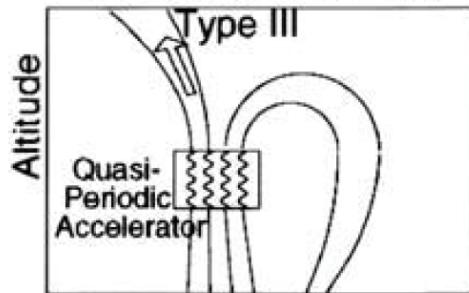




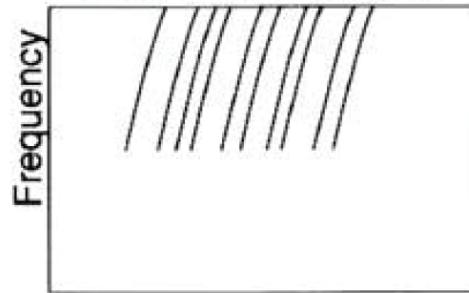
ELECTRON DENSITIES IN SOLAR FLARES



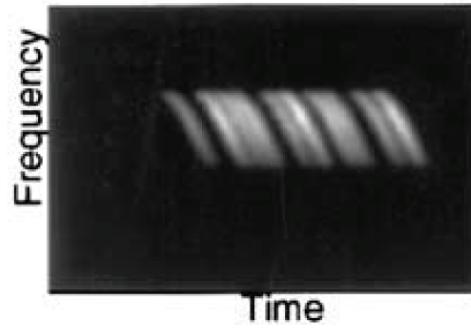
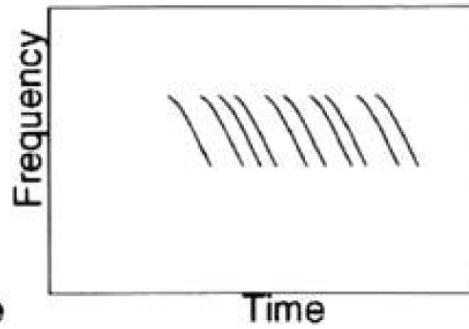
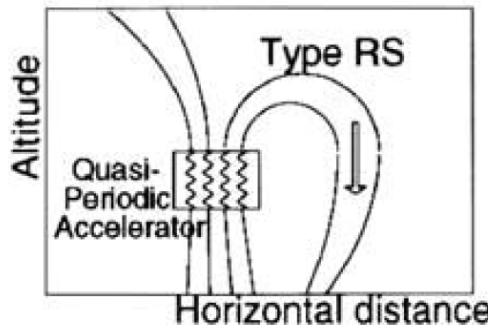
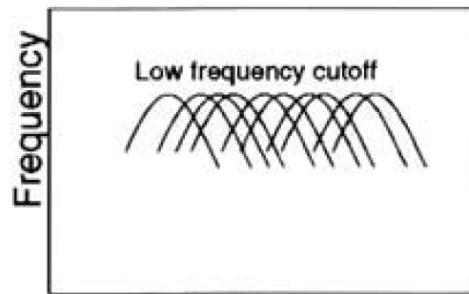
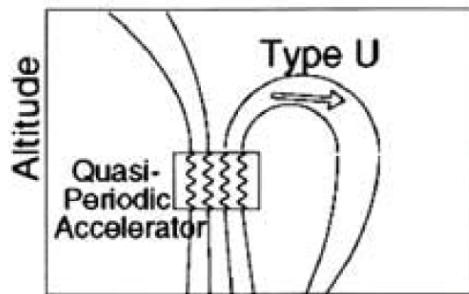
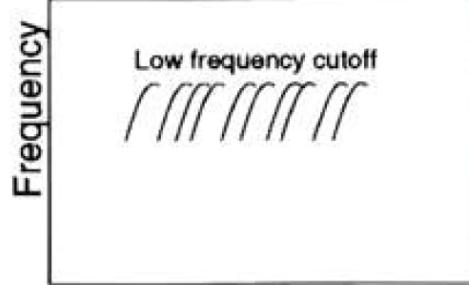
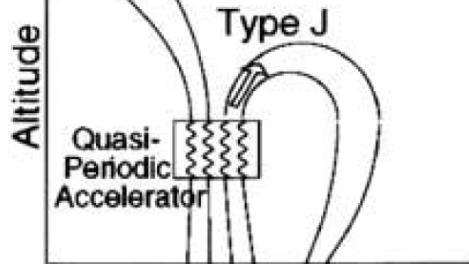
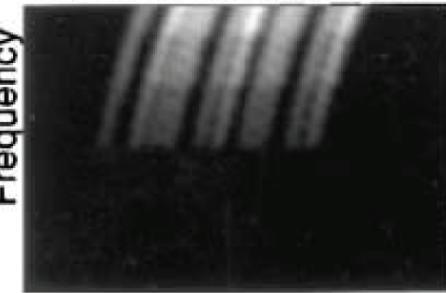
Spatial Geometry

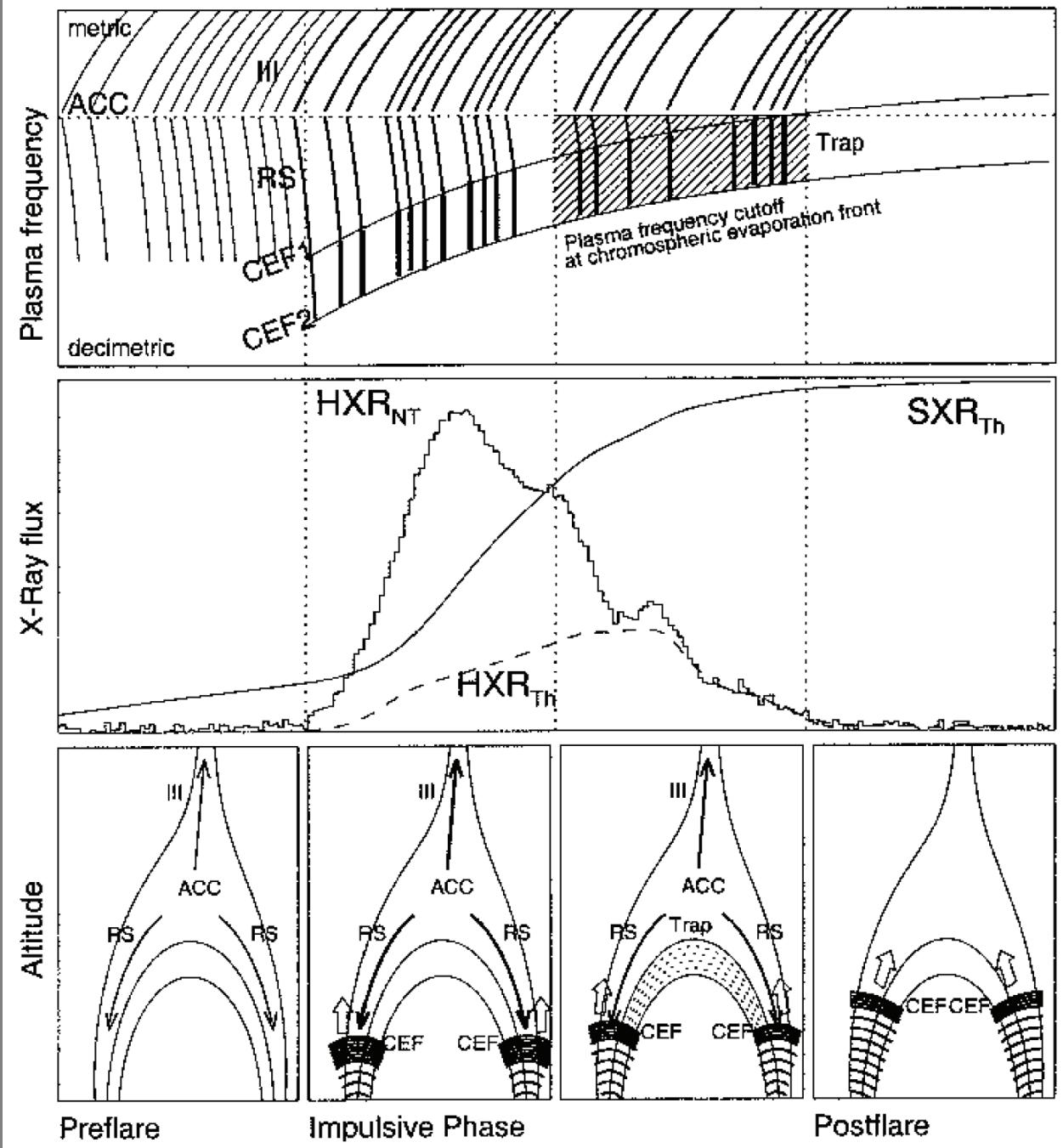


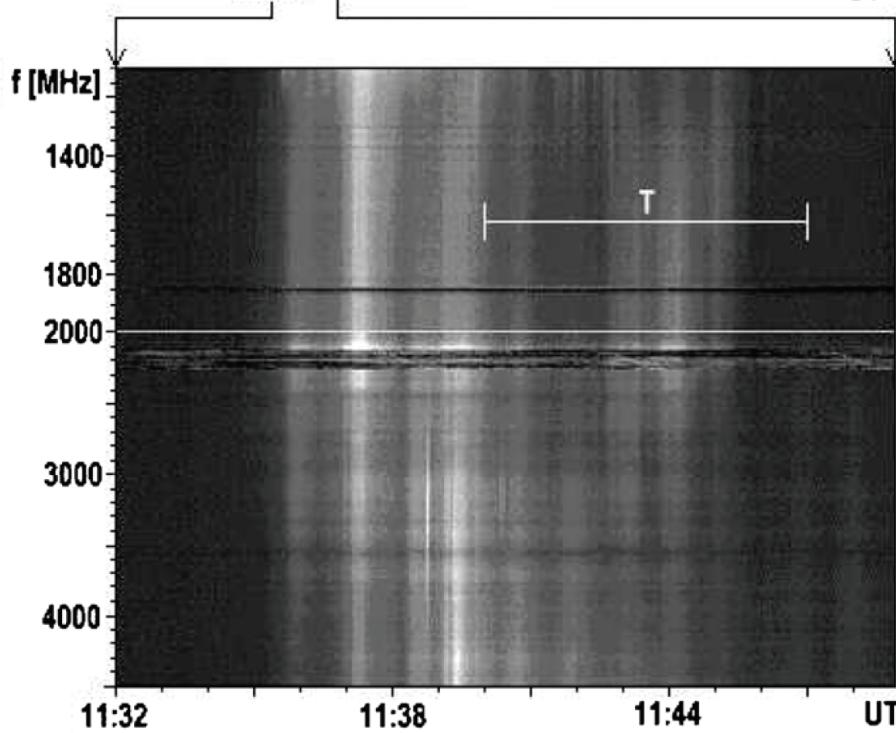
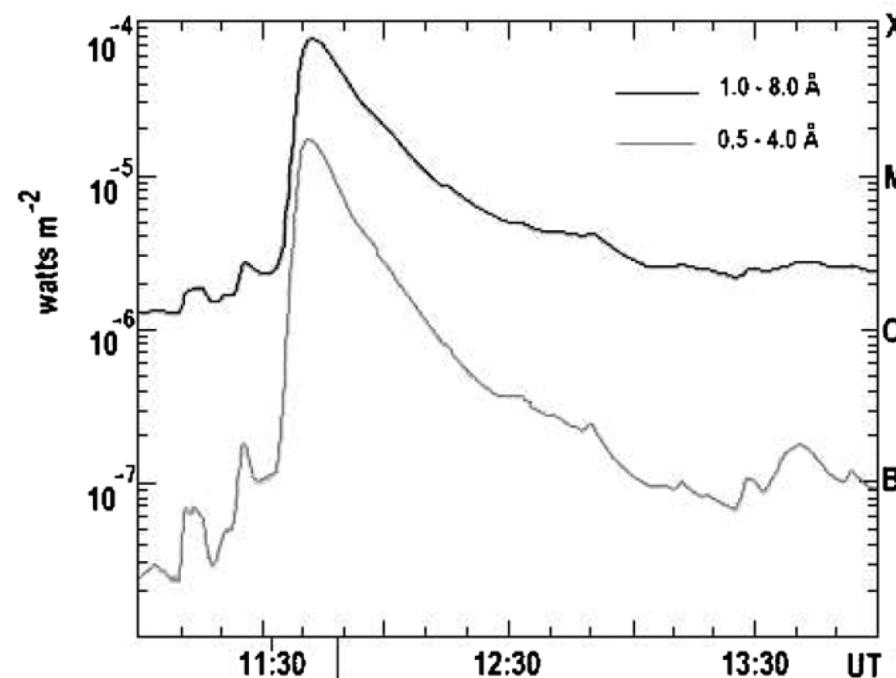
Time Convolution

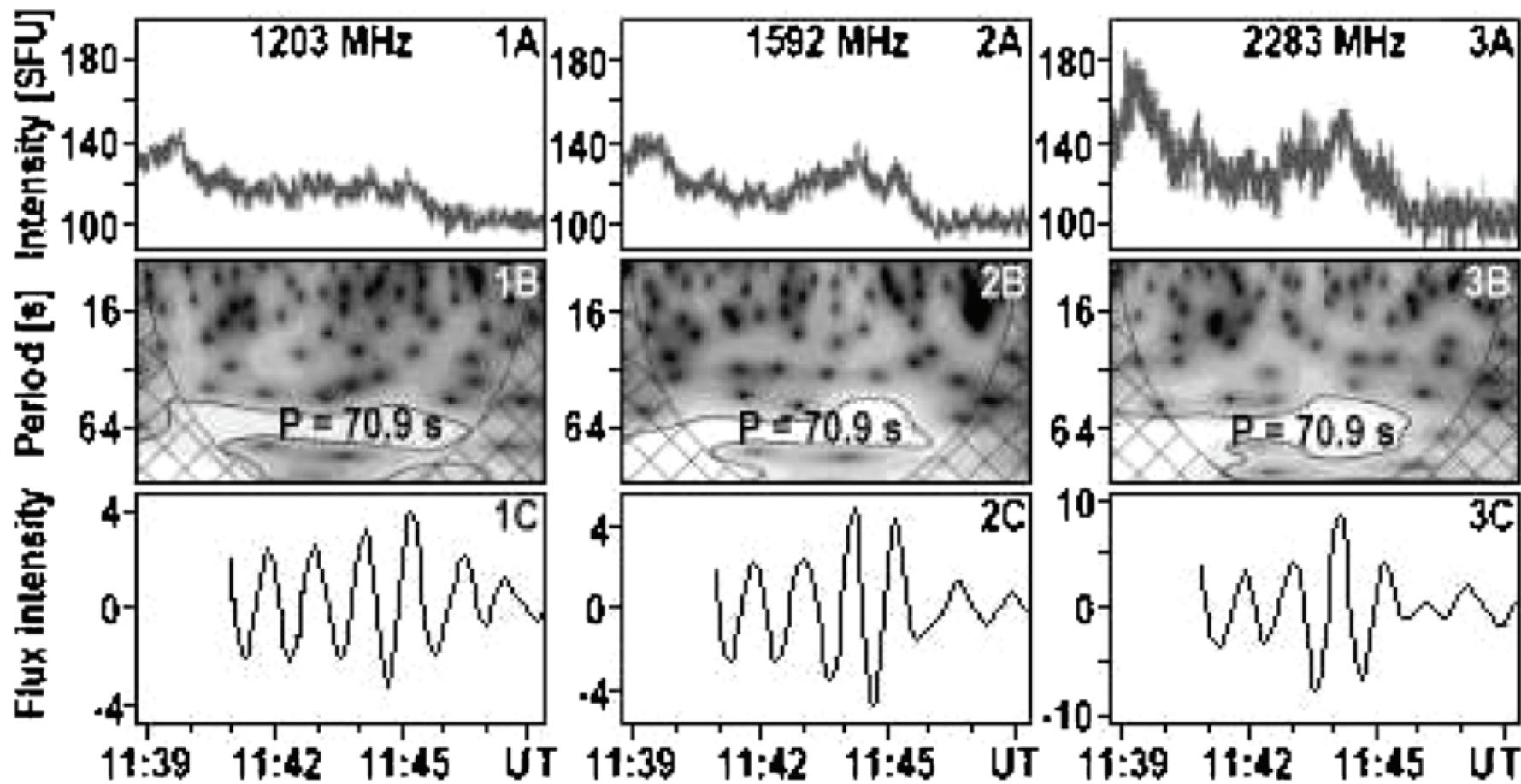


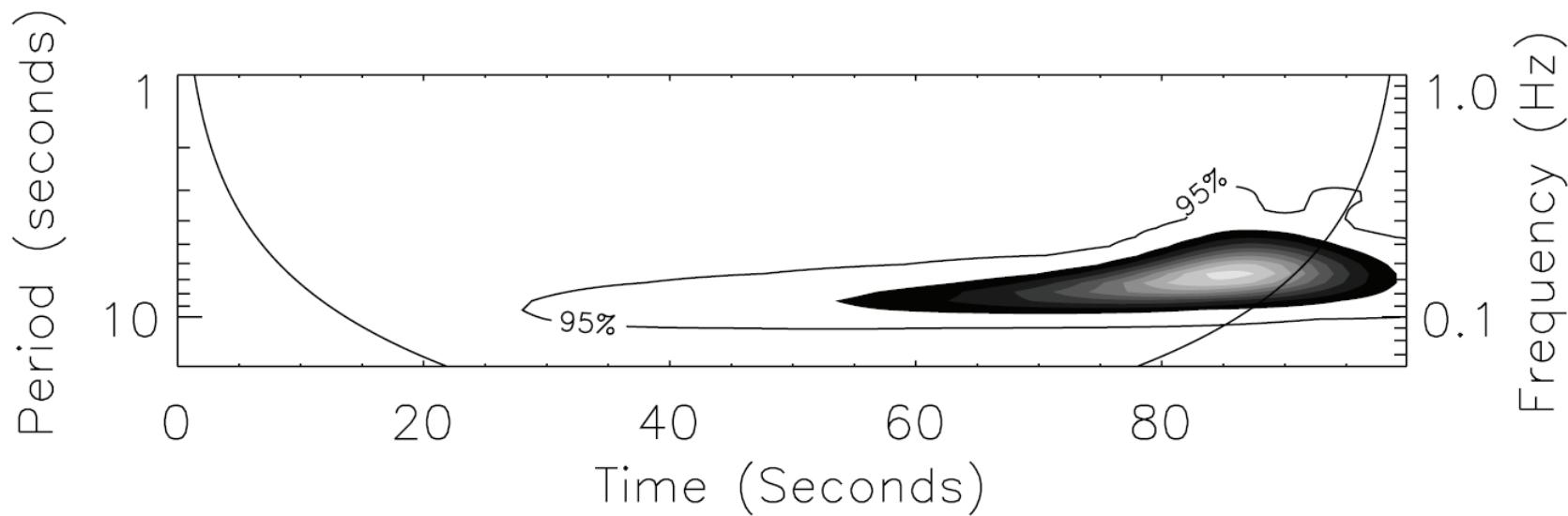
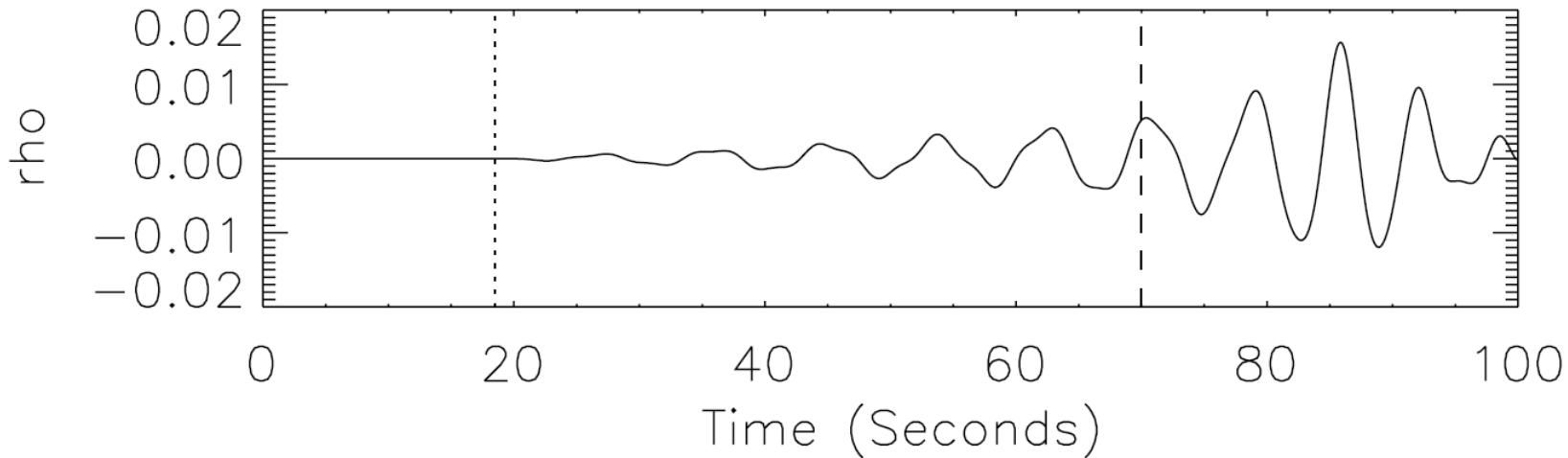
Dynamic Spectrum

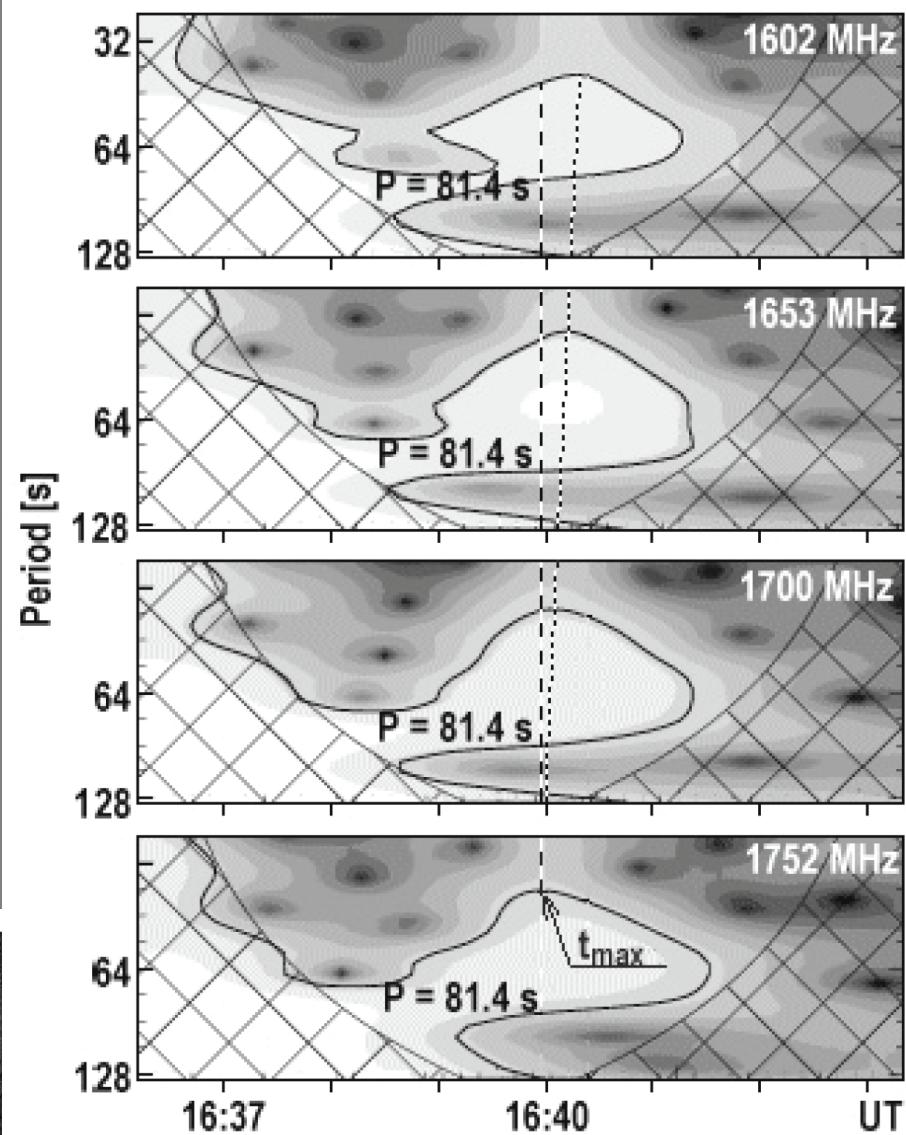
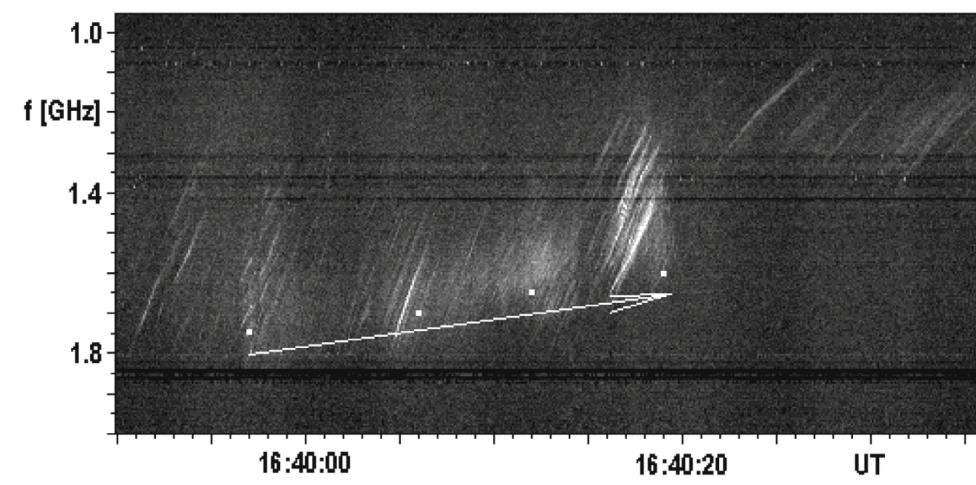
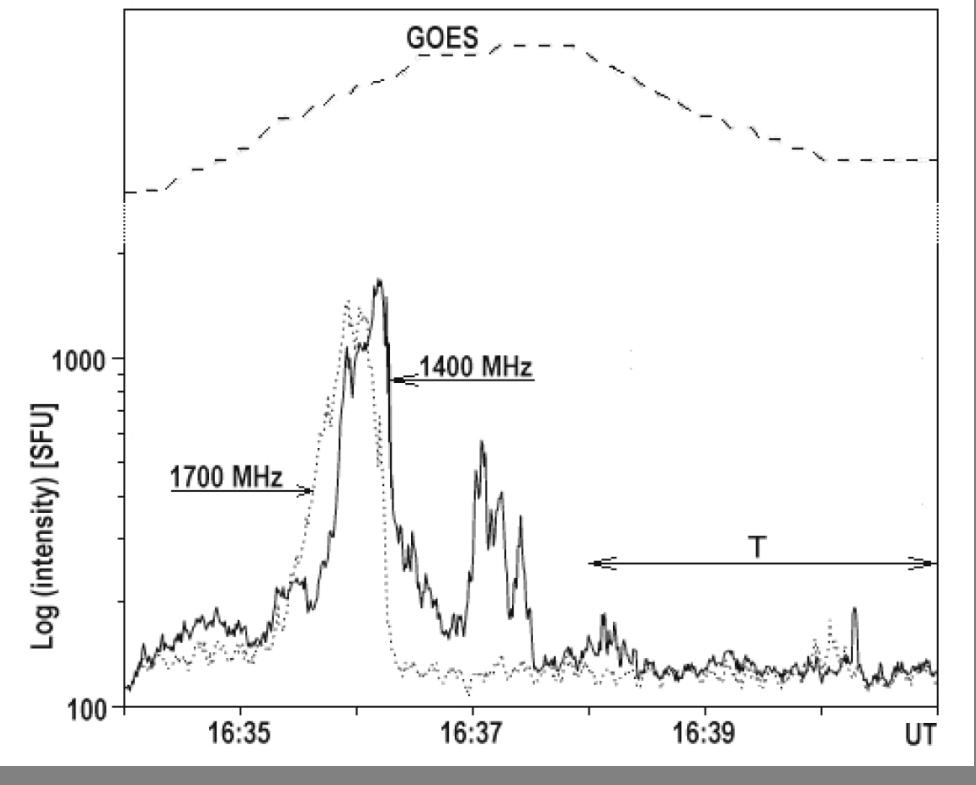












(c) ASTRONOMICAL INSTITUTE, 25165 ONDREJOV, CZECH REPUBLIC

ONDREJOV SUN - RADIO SPECTRUM 0.8-2.0 GHz on APRIL 11, 2001

GHz

1.0

1.2

1.4

1.6

1.8

2.0

13:07

13:07:30

13:08

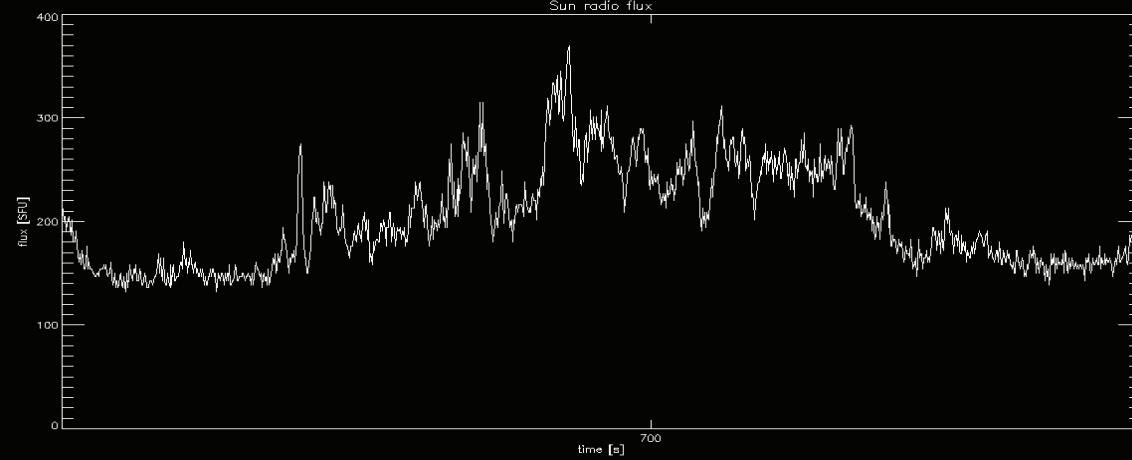
13:08:30

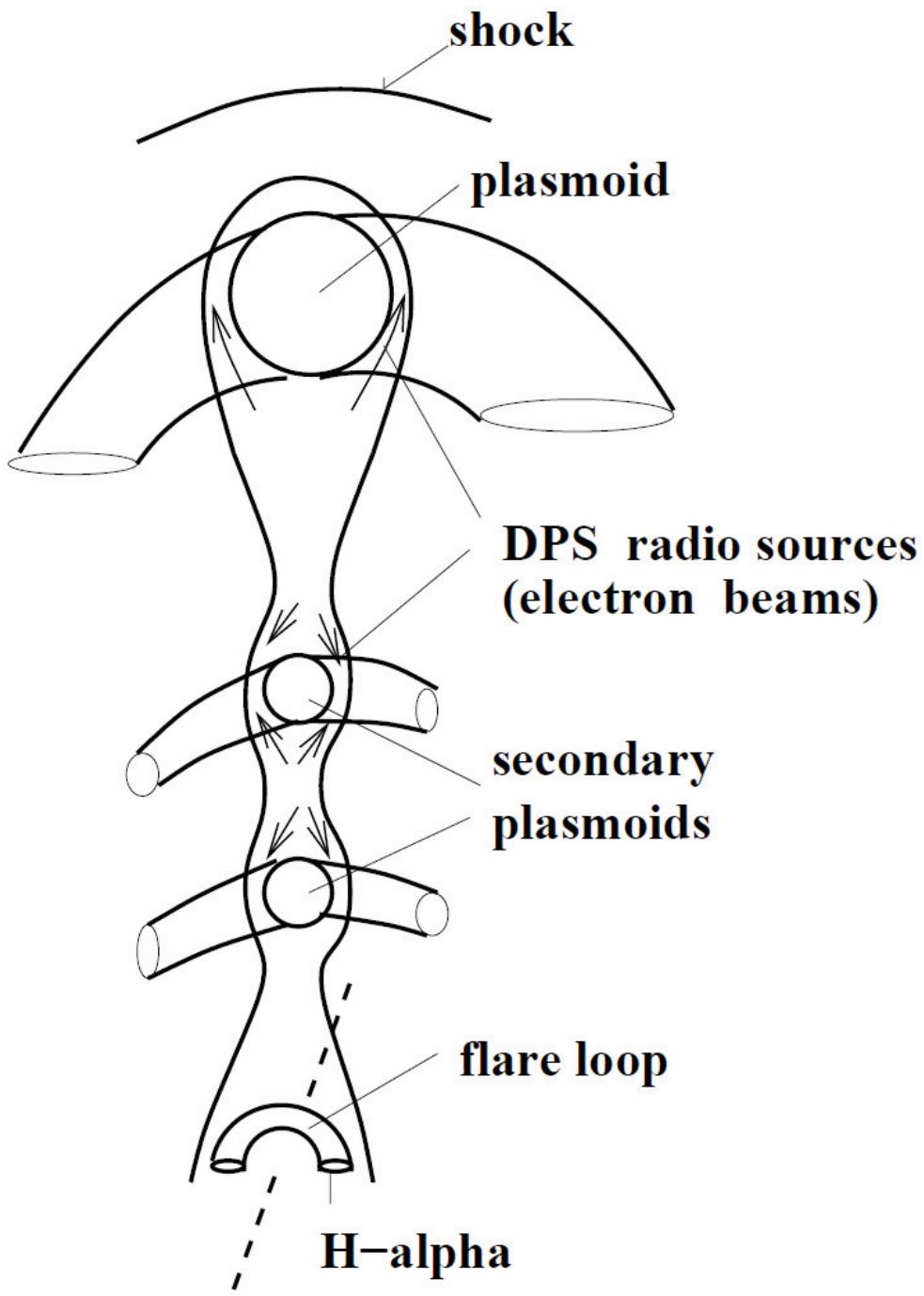
13:09

13:09:30

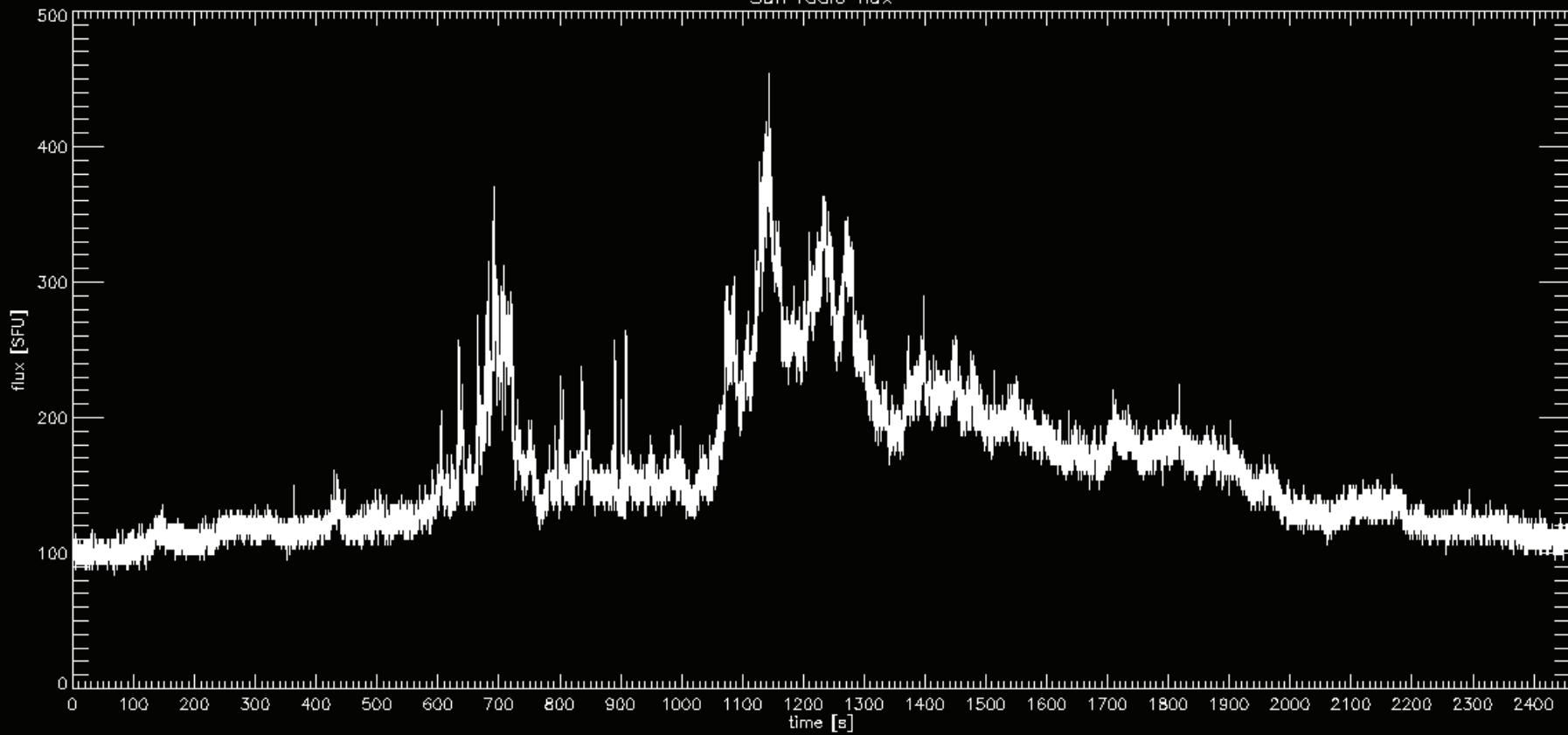
UT

Sun radio flux





Sun radio flux



SIGNAL_ANALYSIS



time_offset [s]: 0 interval [s]: 10000 data_format (FORTRAN type): A5,D3.0 rows_periodicity: 1 rows_to_skip: 0

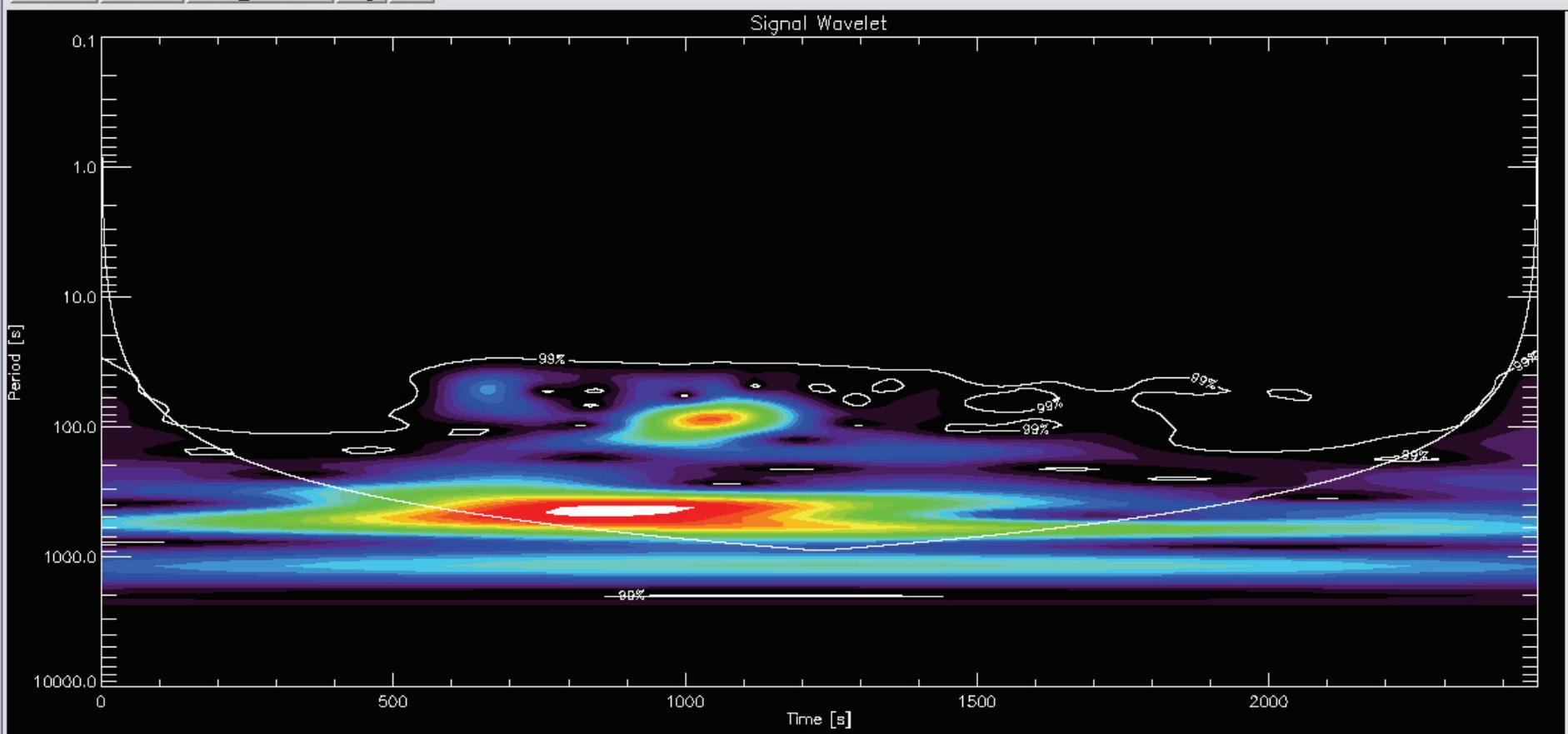
::analyse:: ::cross_correlation:: ::signal:: ::FFT:: ::resolution_x16_FFT:: ::wavelet:: ::correlation:: ::reload::

Cutoff period [s]: 250 ::low_pass_FIR:: ::high_pass_FIR:: ::band_pass_FIR:: ::convolution:: ::demodulate:: include_high_pass_FIR_in_cross_corr

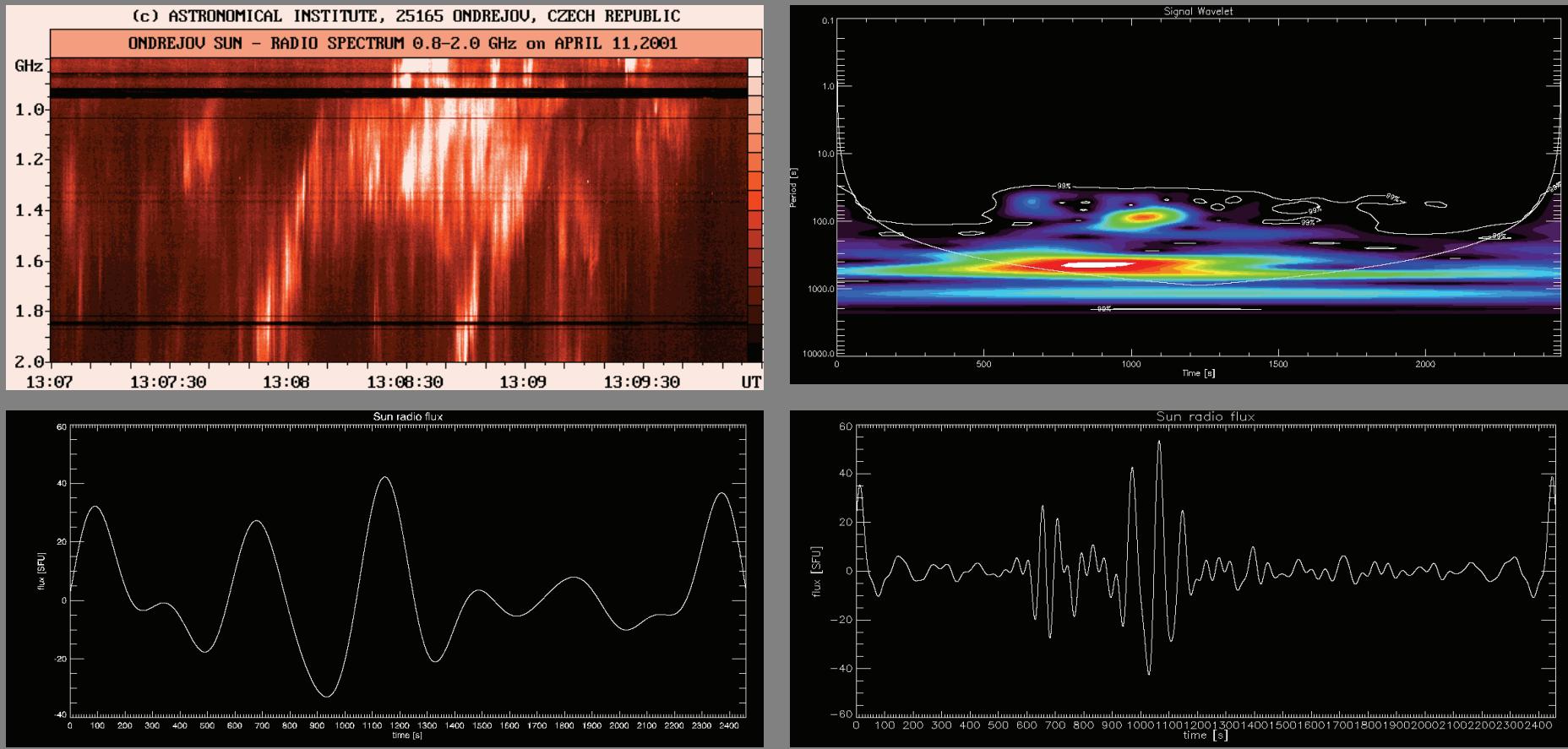
Moving average - number of points: 5 ::smooth:: ::window:: ::subtract:: include_smoothing_or_low_pass_FIR_in_cross_corr

Flux peak threshold (SFU): Noise threshold (SFU): ::find_peaks:: ::reconstruct_signal:: ::backward_coupling::

zoom + zoom - view_external log lin



< REZULTATI >



Reference:

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Nakariakov, V. M., et al. 2004, *MNRAS*, **349**, 705

Birn, J., and Priest, E., 2007, *Reconnection of Magnetic Fields, Magnetohydrodynamics and Collisionless Theory and Observations*, Cambridge: Cambridge University Press