QUASI-PERIODIC PARTICLE ACCELERATION IN A SOLAR FLARE RHESSI MEETING 2021 - SUMMARY SLIDE



Figure 1: Multi-wavelength views of QPPs from 2015-11-04.



Figure 2: Spatial analysis reveals the QPP origins: left, an AIA 171Å image with RHESSI 35-70 keV image contours in red. The light curves on the right compare hard X-rays (full Sun) with EUV from two of the kernels marked in the image, showing K1 to be the main source region.



Figure 3: PFSS extrapolation of the photospheric magnetic field, showing the geometry of the magnetic field lines of the flaring region overlaid on the AIA 171 Å image.

Brendan P. Clarke et al. (2021)



Figure 4: Cartoon of the flaring region illustrating the likely mechanism through which we observe the episodic particle acceleration resulting in QPPs in EUV, radio, SXR, and HXR.

































































