



# National Astronomy Meeting (NAM) 2025

## Tuesday 8 July 2025

### UK Solar Physics Open Session (09:00 - 10:30)

time	[id] title	presenter
09:00	Prep time	
09:01	[695] Flare evaporation, condensations, and ribbons	
09:13	[282] On the reliability of Local Correlation Tracking for inferring photospheric vortex flows in high-resolution observations	
09:25	[259] Energy Fluxes in Reduced Magnetohydrodynamic Turbulence	
09:37	[790] Determining distribution functions for collisionless current sheet equilibria: Analytical approach	
09:49	[856] Characterizing Flare-Associated Electrons with HXR Warm-Target and DEM Diagnostics	
10:01	[541] The Evolution of Secondary Mixed-Mode Instabilities beneath a Rayleigh-Taylor Unstable Prominence	
10:13	[505] Improved atomic modelling for UV radiative transfer calculations	

### UK Solar Physics Open Session (14:15 - 15:45)

time	[id] title	presenter
14:15	Prep time	
14:16	[462] Cool and hot emission disambiguation in (E)UV instrument passbands	
14:28	[484] Constraining the Potential Field Source Surface Distance Using Coronal Tomography	DAVIS, Leigh
14:40	[293] Solar Active Region Nesting: Impact on Magnetic Activity and Coronal Structure	
14:52	[496] Deep Learning study into sunspot evolution for use in flare forecasting.	
15:04	[646] Impact of time-dependent WSA boundaries on solar wind properties in the heliosphere	SISHTLA, Chaitanya
15:16	[768] Quantifying what is lost in magnetic field modelling when using synoptic magnetograms	KLOWSS, Jonah
15:28	[242] Non-LTE Radiative Models of Coronal Condensations at Extreme Resolution	