



Pulsar Emission

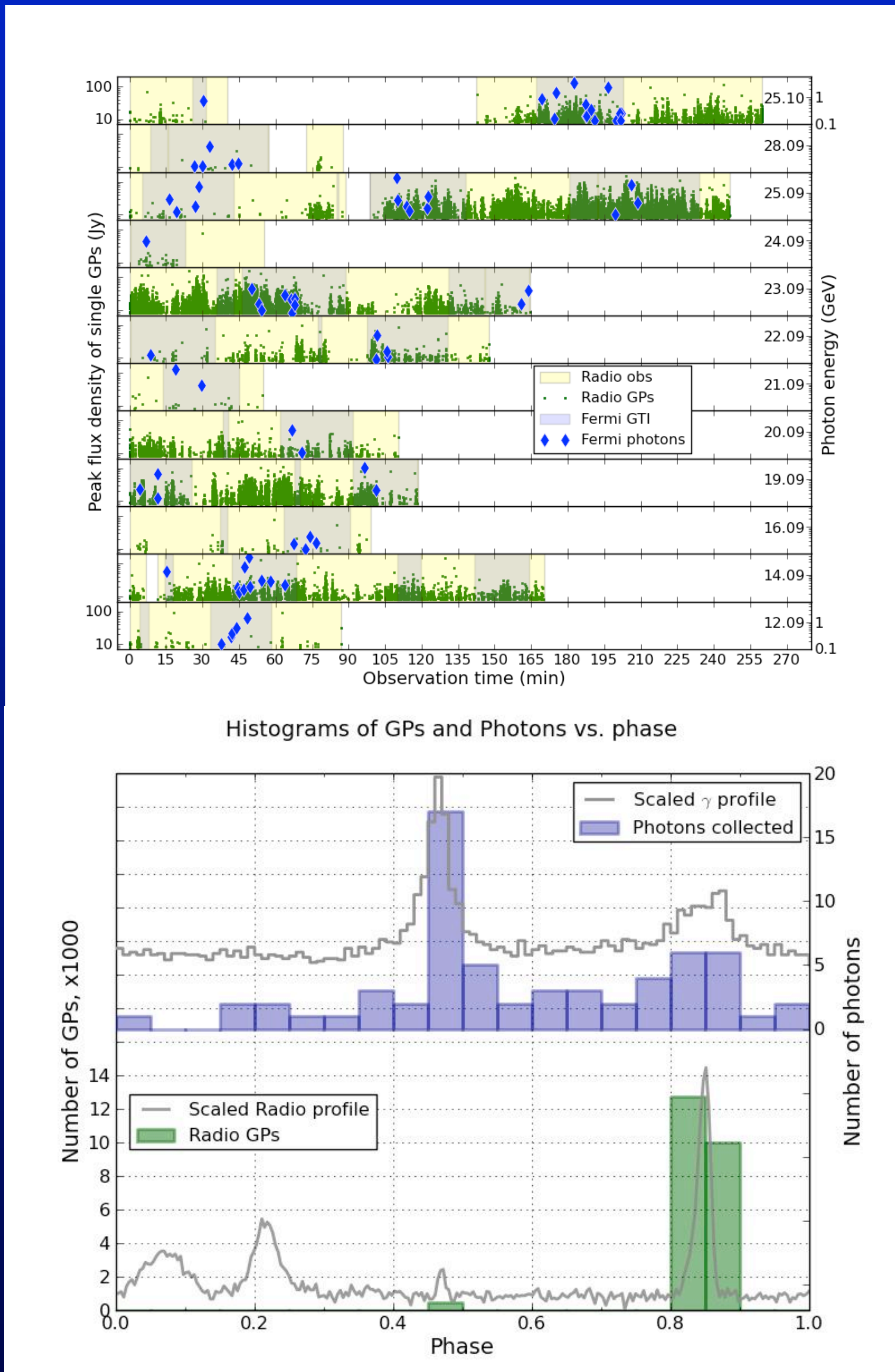


What Makes Pulsars Shine?

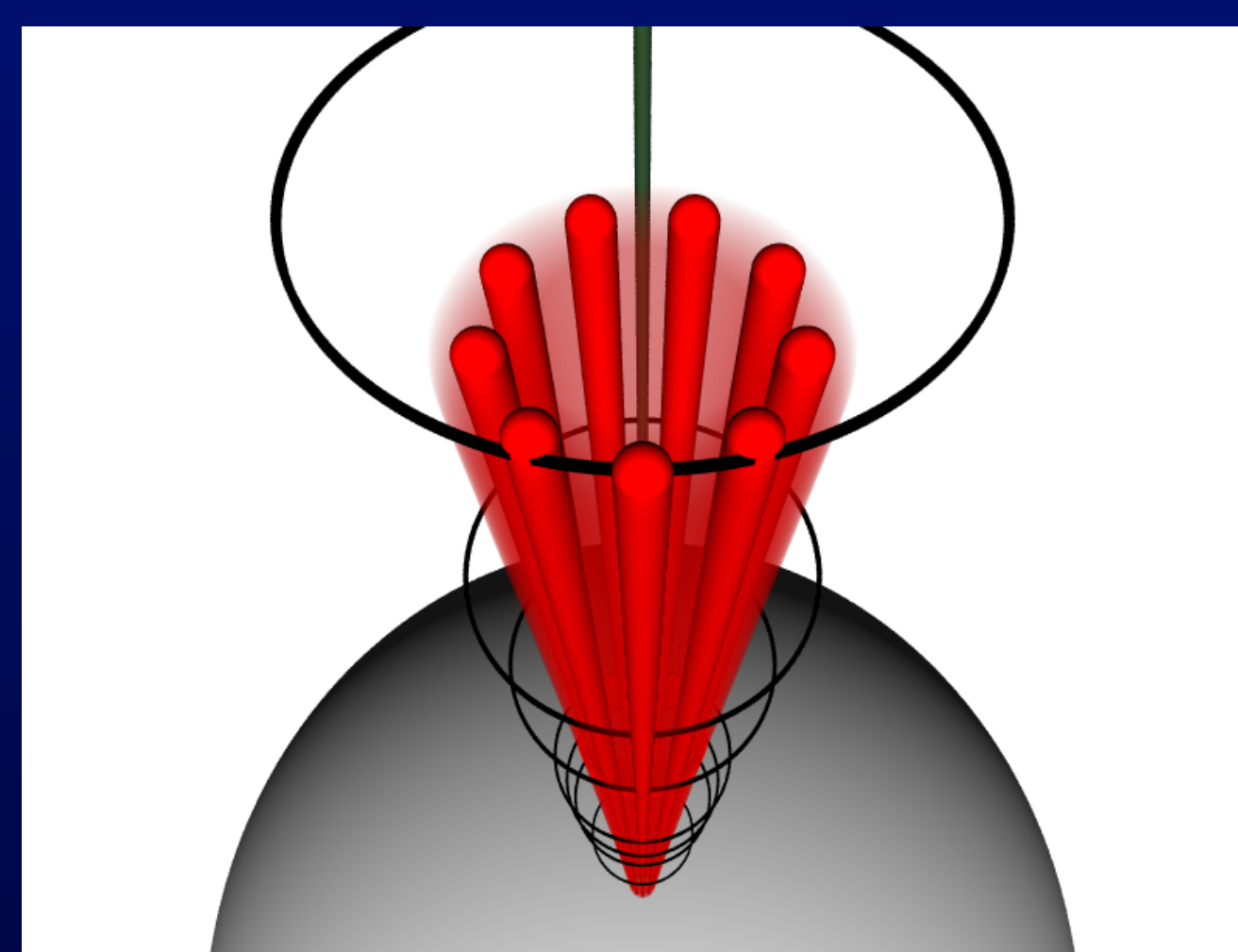
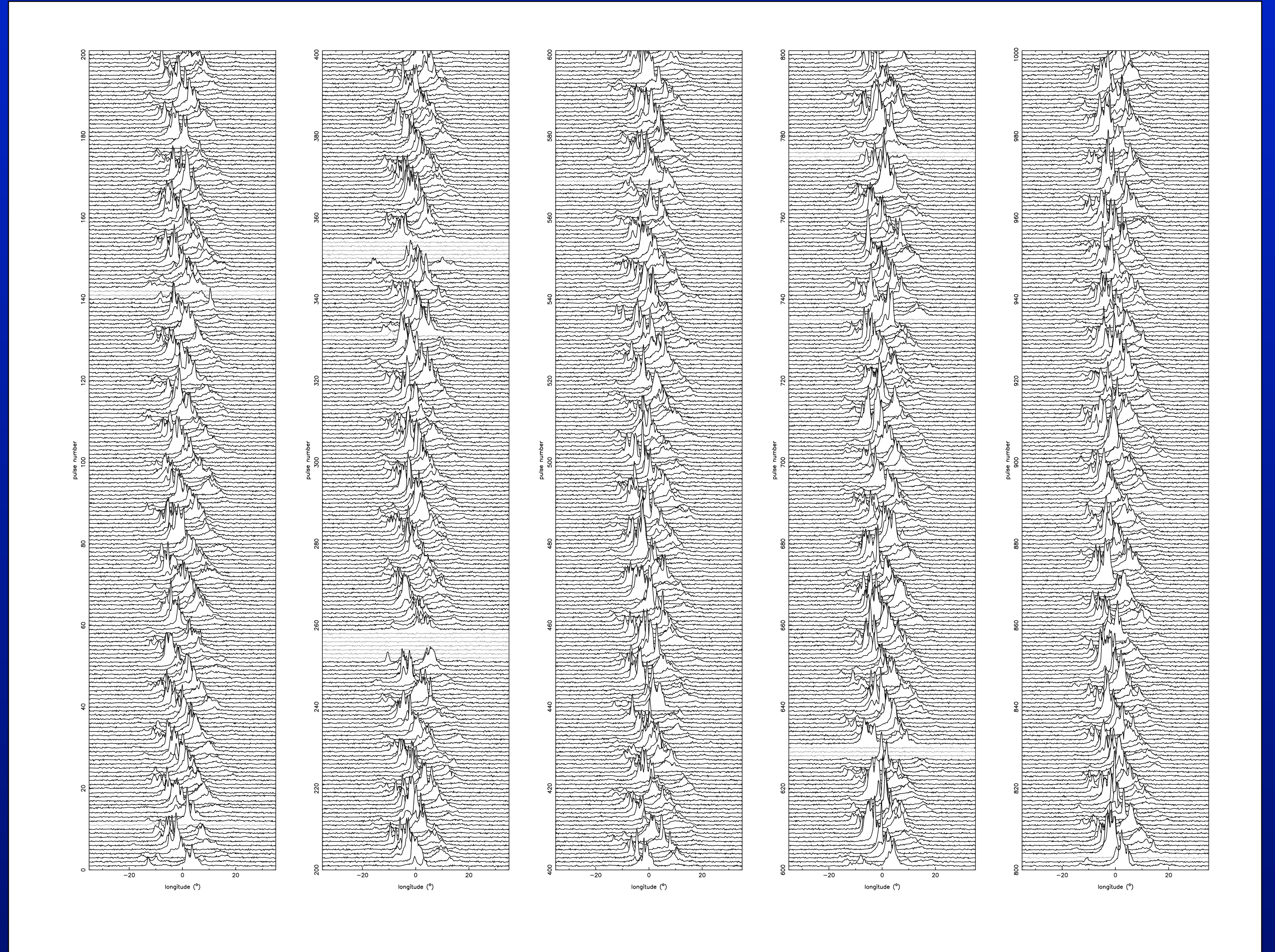
Fermi and Crab Giant Pulses

Looking for a radio/gamma correlation

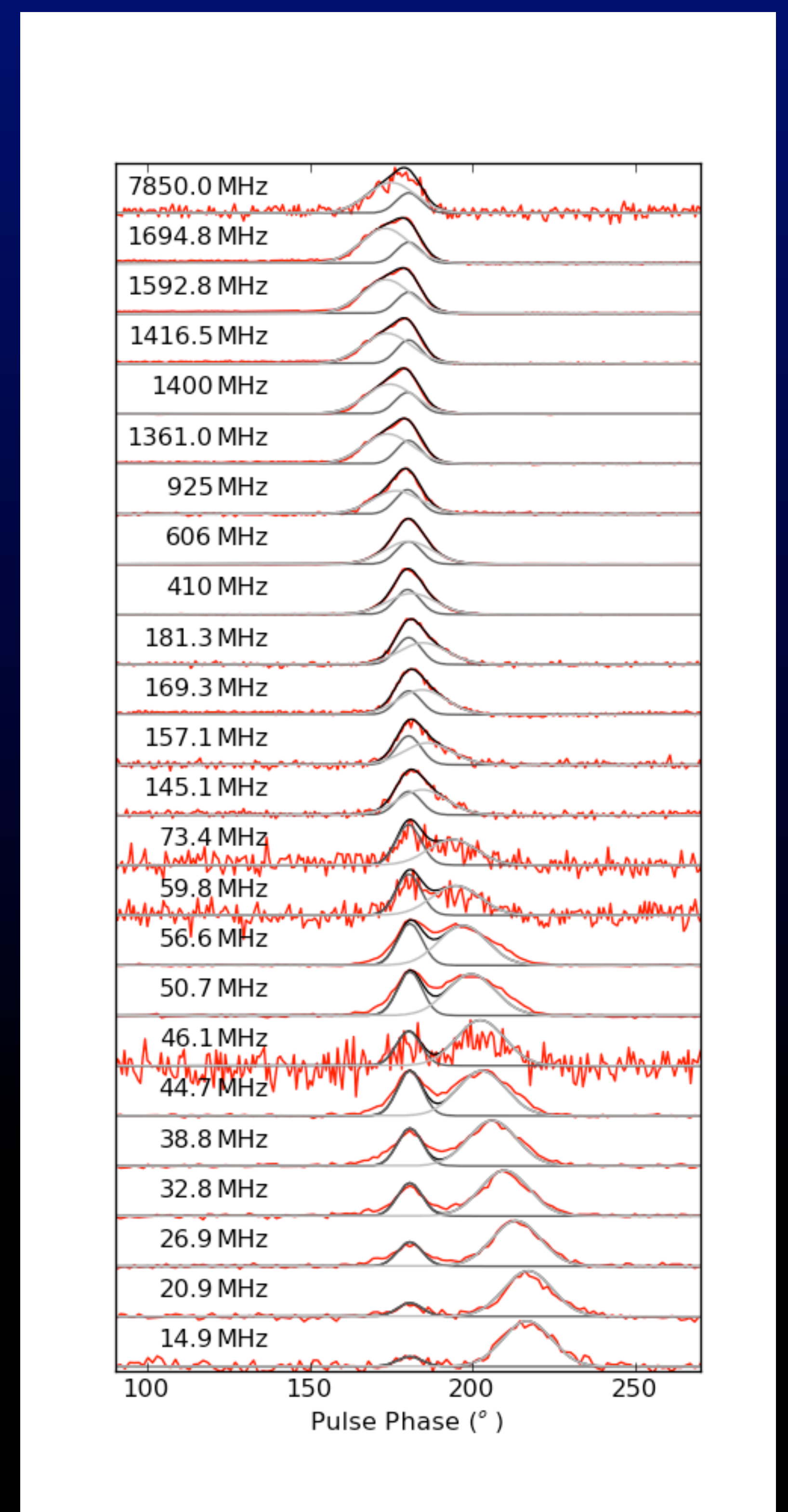
Drifting Sub-Pulses and Profile Evolution



"Correlation of Fermi Photons with High-frequency Radio Giant Pulses from the Crab Pulsar" Bilous, Kondratiev et al. 2011, ApJ, 728, 110

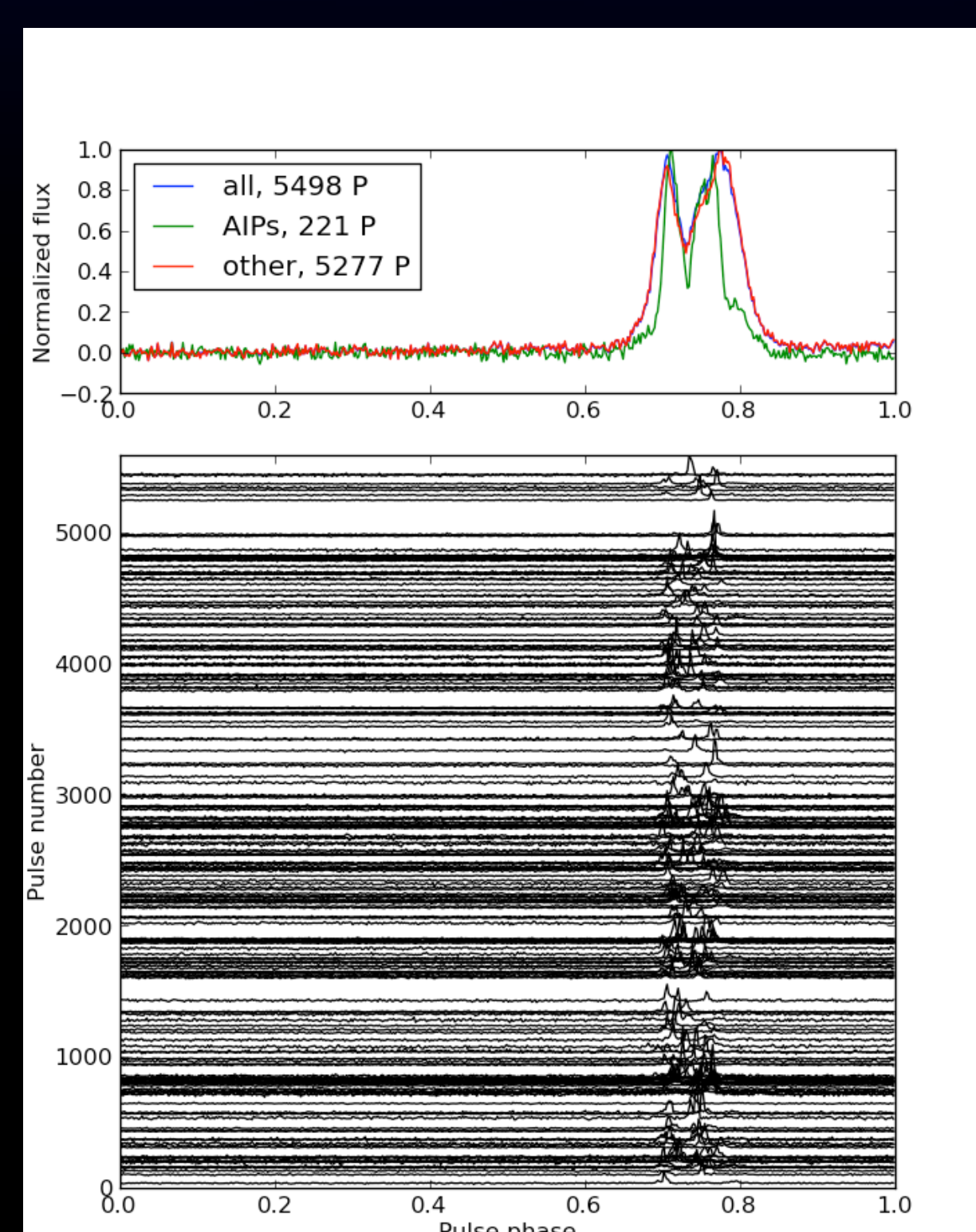
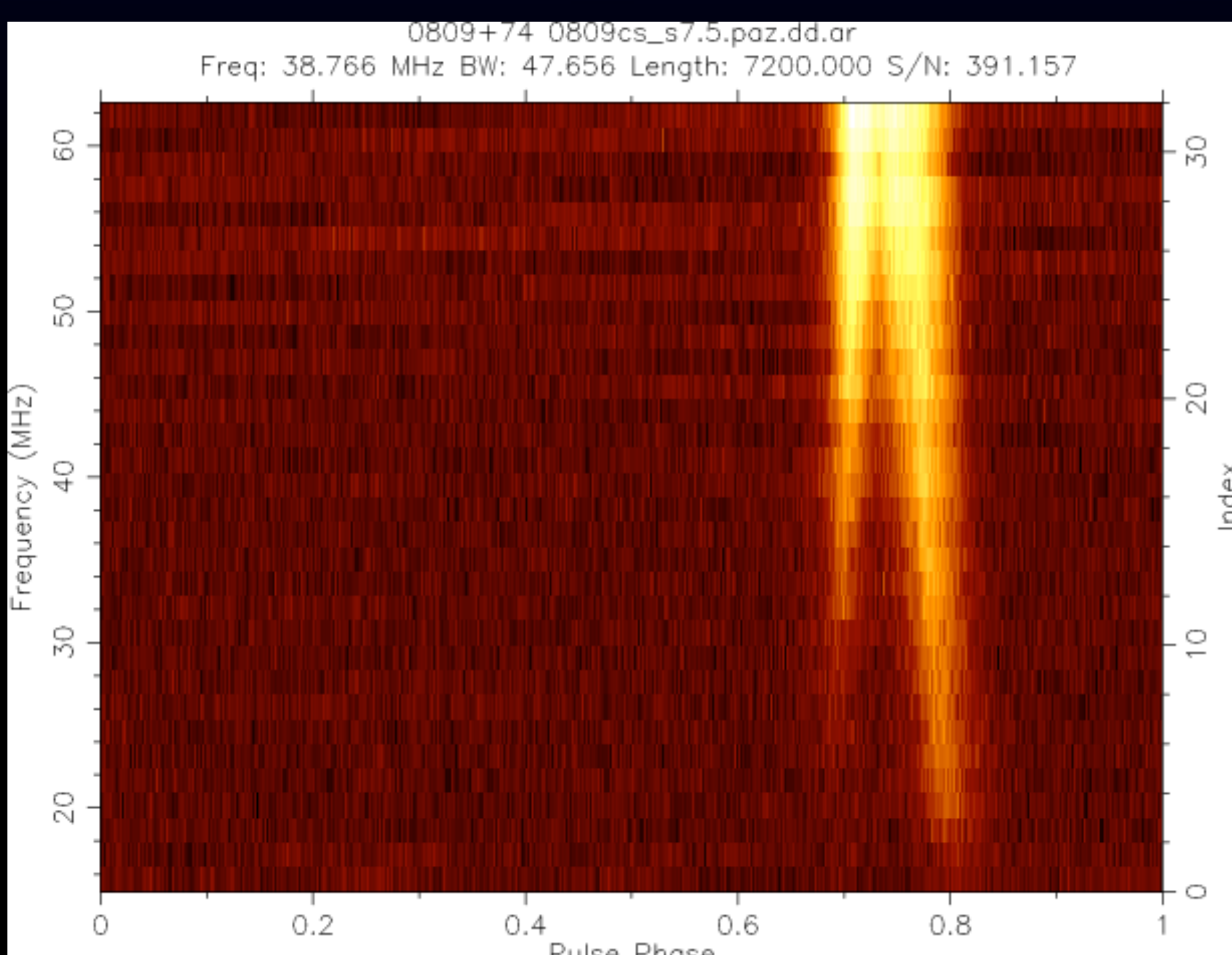


"Wideband Simultaneous Observations of Pulsars: Disentangling Dispersion Measure and Profile Variations" Hassall et al. in prep. (including Hessels, Kondratiev, van Leeuwen, Coenen, and Alexov)



Low-Frequency Bright Pulses

A possible link to understanding the giant pulse phenomenon



"The Low-Frequency Single Pulse Properties of Pulsars B0809+74 and B1133+16" Kondratiev et al. in prep. (including Hessels, van Leeuwen, Coenen, and Alexov)

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