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The Radio Evolution of the Galactic Center Magnetar

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While the radio emission of magnetars is notable for its peculiar spectrum and significant variability, the behavior of the Galactic Center magnetar is odd for even this class of neutron stars. In this talk, I will present the broadband spectrum and high frequency (44 GHz) properties of this magnetar in early to mid 2014, when the source transitioned from a fairly constant radio flux and pulse profile to significant variability in both. These results provide important information regarding the physical processes responsible for this transformation.

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