

Neutron star oscillations and QPOs during magnetar flares

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The recent discovery of high frequency oscillations during giant flares from SGR 1806-20 and SGR 1900+14 may be the first direct detection of vibrations in a neutron star crust. If this interpretation is correct it offers a novel means of testing the neutron star equation of state, crustal breaking strain, and magnetic field configuration. I will review the latest observational results and report the progress of theoretical efforts to understand the vibrations