

# MAGNETAR OSCILLATIONS

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Magnetars are neutron stars with super-strong magnetic fields, observed mostly in x-rays. Magnetar oscillations have likely been observed in the immediate aftermaths of 2 giant magnetar flares. On the theoretical side, this problem features rich dynamics due to the strong interaction between the normal modes of a magnetar's crust and a continuum of magnetohydrodynamic modes in its fluid core. In my talk, I will explore this dynamics and show how it can be used to probe the magnetar interior.