

FRB EMISSION MECHANISMS VS. OBSERVATIONS

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Presently, it is broadly assumed that fast radio bursts (FRBs) are sources of coherent emission powered by the magnetic energy release in magnetars. However, the exact emission mechanism is not known, yet. Two main frameworks exist: magnetospheric emission and radiation from external relativistic shocks. In the talk, I describe basics of both approaches and discuss how they are probed in modern observations.