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An FRB in a bottle? : A multi-wavelength approach

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Recently a repeating fast radio burst (FRB) 121102 has been confirmed to be an extragalactic event and a persistent radio counterpart has been identified. One of the leading models is the young neutron star model, in which a pulsar (or magnetar) of ≤ 100 yrs-old surrounded by a wind nebula and supernova remnant are considered and connections between FRBs and luminous pulsar-driven supernovae are predicted. I will discuss multi-messenger/multi-wavelength approaches to testing the scenario.

Author: KASHIYAMA, Kazumi

Presenter: KASHIYAMA, Kazumi

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