

Single pulse energy distribution of PSR B1822-09

We have studied the distribution energy of the single pulses of PSR B1822-09 using the data from Parkes radio telescope in Australia observed from May 2012 to April 2014. The pulsar profile has three components including main pulse, inter-pulse, and precursor. The study shows that the main profile component is sometimes log-normal distributed. Most of the results show that the energy is normal (or Gaussian) distributed.

Keyword: Pulsar, Energy distribution, single pulse

Primary authors: Mr INTRARAT, Nawamin (Chiang Mai University); Dr JAROENJITTICHAJ, Phrudth (National Astronomical Research Institute of Thailand)

Presenter: Mr INTRARAT, Nawamin (Chiang Mai University)

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