

SPC 2021 Abstract Nawamin Intrarat, Participant reference # 180

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Title:

Single pulse energy distribution of PSR B1822-09

Abstract :

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