

# Postglitch Analysis of Crab Pulsar For Proposing Internal Torque Mechanism

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Link(1992) considered the newly-developed observation could be a strong evidence for external torque interpretation of persistent offset, developed by Ruderman(1991). We conclude in this talk that after 30 years of accumulation of observation data volume, new observational evidence has in turn been able to rule out the external torque explanation in favor of the internal mechanism associated with Cooper pair breaking, which also will be proposed in theoretical approach. This is mainly due to the fact that larger glitch data are beyond the maximum possible range of external torque mechanism could produce and the nonlinear trend of post glitch behavior cannot be resolved in the framework of the existing external mechanism models.

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