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Bounding long-range force from dark matters with binary pulsars

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The orbital dynamics of binary pulsars is influenced by a possible long-range fifth-force from the Galactic dark matter distribution. It is constrained with current binary pulsar experiments, and will be bound further with binary pulsar systems near the Galactic Center. [Shao, Wex, Kramer, PRL 120 (2018) 241104]

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