

## Review of: "Slow diffusion around pulsar -ray halos and its impact on cosmic rays propagation"

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Potential competing interests: No potential competing interests to declare.

In this paper, the author argues that the ballistic-diffusive model alone cannot adequately explain the gamma-ray halo profile. Instead, the author propose that slow diffusion may imperative to elucidate the observed pulsar gamma-ray halos. This article essentially serves as a synthesis of various previously published papers by the same author. It is important to note that all calculations and results presented in this work have undergone rigorous scrutiny and review, ensuring the conclusion both robust and reliable.

What makes this study particularly intriguing is its alignment with the dark matter hypothesis, as it consistent with all prescribed gamma-ray limits within this novel propagation model. In a sense, this model saves the dark matter explanation of cosmic ray electron excess. Given these merits, I think this paper is worth for publishing without further revisions.

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