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 general, this article is well written. All results have been published on refereed journals. I have the following minor comments.

One may also want to comment on anisotropic diffusion due to the presence of large-scale magnetic fields, which is a natural mechanism to have slow diffusion in the perpendicular direction.

>as all the secondary products like B, Li, Be and p¯�¯, e+�+ and diffuse γ�-rays will be improved by orders of magnitude.

“Improved” should be “over produced”.

>As the expansion of the SNR

As the SNR expands

>Actually, the most recently injected particles should propagate ballistically within the distance around the coherence length of the magnetic field.

The distance should be the scattering mean free path of the particles instead of the coherence length of the magnetic field. The former depends on the particle energy.

>distribution in the ballistic-diffusive (BD) scenario.

In Figure 1, relativistic stands for the BD scenario. One may want to point this out somewhere in the text.