Qeios

Peer Review

# Review of: "Populating Dark Sectors with Relativistic Bubble Walls"

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1) The function $\Theta$ below eq. (10) is not defined.

2) Below eq. (7), it would be beneficial to be more precise when stating that “such conditions can typically be fulfilled if the transition sector is controlled by a broken conformal symmetry.” How typical is this scenario, and in what physical setups is it realized?

3) In eq. (11), the superscript "BE" seems only implicitly defined in the sentence before.

4) In eq. (26), one benchmark point with very heavy and warm DM is given. It clearly shows a very interesting scenario. However, it would be interesting to see how narrow (or broad) the corresponding parameter space is that gives rise to those interesting benchmark points, and whether it is robust with respect to theoretical uncertainties related to e.g., $\alpha$, $\beta$, $v_w$, or $T_n$.

## Declarations

**Potential competing interests:** No potential competing interests to declare.



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