

Peer Review

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

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The author provides a concise review of the mechanism for the production of heavy dark matter during a strong first-order phase transition in the early universe, primarily based on their recently intriguing works. The author focuses on the possibility of generating heavy and boosted dark matter through the interaction between relativistic bubble walls and the cosmic plasma. The main content is based on the author's published works, including JHEP 11 (2024) 129 and JHEP 10 (2022) 017. The manuscript is very clear and easy to read.

A minor point: in the left panels of Figures 5 and 6, the mass and temperature values are not accompanied by units.

Declarations

Potential competing interests: No potential competing interests to declare.