

Constraints on the model of dark matter with Coulomb-like interaction explaining positron anomaly

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It is often supposed that dark matter possesses own interaction in particular like Coulomb. It leads to enhancement of annihilation in Galaxy what helps to explain cosmic ray anomalies, e.g. positrons. We put constraints on such model coming from CMB, hot dark matter abundance and also outline parameter region where classical approach is relevant for description of annihilation through bound state formation. The given constraints are applied to dark disk model.

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