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Probing DM-radiation interactions from high-redshift galaxy observations by JWST

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The James Webb Space Telescope (JWST) has opened up new vistas to the very distant universe hitherto inaccessible. We make use of the UV Luminosity Functions deduced from JWST high-redshift observations to put constraints on the cross section of dark matter interacting with radiation. We find that though we only have little data from JWST as of now, the constraints are already competitive with the state of the art.

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