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Radiative Gravitino Production from Inflaton Decay

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In high-scale supersymmetry where all sparticles, except gravitino, are heavier than inflaton, an EeV-scale gravitino is suited for dark matter. Gravitino may be produced not only from scatterings of thermal particles but also from radiative decay of inflaton even when there is no direct coupling between the two. I will argue that in a viable inflation model based on no-scale supergravity, the latter can be a non-negligible contribution.

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