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The importance of radiative corrections to indirect dark matter searches

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External electroweak bremsstrahlung leads for dark matter (DM) masses much heavier than the weak scale to the break-down of perturbative unitarity, requiring a resummation of large log's similar to the case of QCD. More recently, it has been realised that internal electroweak bremsstrahlung can lift - analogously to the electromagnetic case - the helicity suppression of certain annihilation channels, thereby affecting strongly observable signatures used in indirect DM searches. I review the impact of these processes on DM annihilation and their signatures.

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