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**Rethinking  
Quantum Field Theory**

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## A halo independent comparison of direct dark matter searches

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In this work, we develop a method to compare results from various direct detection experiments without making assumptions on the velocity distribution of the dark matter particles in the Solar System. Furthermore, we consider the particular case when one of the experiments reports a positive signal, and we apply our method to investigate the compatibility of the DAMA claim with the null searches from other experiments.

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