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On the requirements for a successful WIMPy baryogenesis

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I give a brief overview of a recently proposed mechanism dubbed WIMPy baryogenesis. A stable Weakly Interacting Massive Particle (WIMP) is the Dark Matter (DM) candidate. Via CP-violating annihilations of the WIMP into a quark and an exotic heavy antiquark, one gets not only the right DM thermal relic abundance but also generates the observed baryon asymmetry. I discuss the key ingredients of the models explored so far and suggest possible variants that we are currently investigating.

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