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## CMB bounds on light dark matter.

*Tuesday 7 May 2013 17:00 (15 minutes)*

I use the recent Planck data in combination with WMAP, ACT, and SPT to place bounds on dark matter properties. I show that light dark matter models favored by some direct detection experiments are strongly constrained by CMB observations. I will also discuss how future polarization data from Planck will improve these bounds.

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