

Dark Matter: Astrophysical probes, Laboratory tests, and Theory aspects

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(EXTERNAL MPP Colloquium) New results from the Planck satellite: the minimal cosmological model in its full glory

Tuesday, 3 February 2015 16:15 (1h 15m)

I will present new results from the Planck satellite, including precise measurements of the E-mode polarisation spectrum. The minimal standard model appears to be compatible with the data, and passes successfully a very impressive number of consistency checks. Spectacular bounds can be derived on neutrinos, inflation, dark energy, dark matter annihilation, and many other interesting sectors. Small tensions remain here and there, and their interpretation is also interesting too discuss.

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