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The Planck and LHC results and particle physics

Friday, 19 July 2013 15:15 (45 minutes)

I will discuss the recent LHC and Planck results, which both are completely compatible with the Standard model of particle physics, and Standard cosmological mode (LambdaCDM), respectively. I will discuss, that the extension of the Standard Model is, of course, required, but can be very minimal. The theoretically nicest extension should also be scale invariant. I will discuss what future measurements may be important to test this approach.

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