

That Spin 0 Boson Changes Everything

The Standard Model and the New Energy Frontier

The Higgs Boson discovery requires us to think differently about planning for the future of Particle Physics. While the decades-long confirmation of the Standard Model itself an historic episode, as a dynamical model of nature it is unhelpful as a clear guide to the future. I'll review the features of the Standard Model that make it superb, I'll point out why it's frustrating, and I'll describe some hints that motivate us in the coming decades.