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The Dark Side of the Universe

LUDOVIC VAN WAERBEKE, University of British Columbia

Dark Matter and Dark Energy are accepted as legitimate constituents of our Universe. In this talk I will review the numerous observational evidences supporting the existence of the dark side of the Universe, which is why cosmologists claim shamelessly that 95% of the Universe is made of something they do not know the nature of. I will then discuss many of the hypothetical physical origins for Dark Matter and Dark Energy and outline the major research directions now undertaken in order to test the various possible ideas.