



**Dark Matter in the Universe: Proceedings of the  
117th Symposium of the International  
Astronomical Union Held in Princeton, New  
Jersey, U.S.A, June ... (International Astronomical  
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This is the first time that the International Astronomical Union has held a symposium on objects of totally unknown nature. In fact, M. Rees has pointed out that the mass of the individual particles that make up the dark matter is unknown to  $> 70$  orders of magnitude. Since dark matter appears to make up  $\sim 90\%$  of the mass of the Universe, it presents us with one of the most fundamental problems in astrophysics. IAU Symposium 117 on Dark Matter in the Universe was held on June 24 - 28, 1985. Our hosts were Princeton University and the Institute for Advanced Study, which together form one of the most active centers of work on the dark matter problem. There were  $\sim 190$  participants from 16 countries. These proceedings include the 31 review and invited papers, 72 of the 85 poster papers, and the two general discussions. The idea that the Universe might contain much more mass than we see in gas, stars and their remnants has been with us for over 50 years. In 1933, F. Zwicky pointed out that the Coma Cluster could be in equilibrium at the large observed velocity dispersion only if a great deal of unseen matter were present. However, in the absence of other evidence, the idea of "dark matter" was not widely pursued.

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