



## The Search for Dark Matter (WIMPS) at Low Mass

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We briefly review the constraints on the search for low mass wimps ( $< 15$  GeV) and the various experimental methods. These experiments depend on the response of detectors to low energy signals (less than 15 KeV equivalent energy). We then describe recent fits to the data and attempt to determine  $L_{eff}$ , the energy response at low energy. We find that the use of a liquid Xenon 2-phase detector that employs the  $S_2$  data near threshold is the most sensitive current study of the low mass region. We rely on some talks at Dark Matter 2010.

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