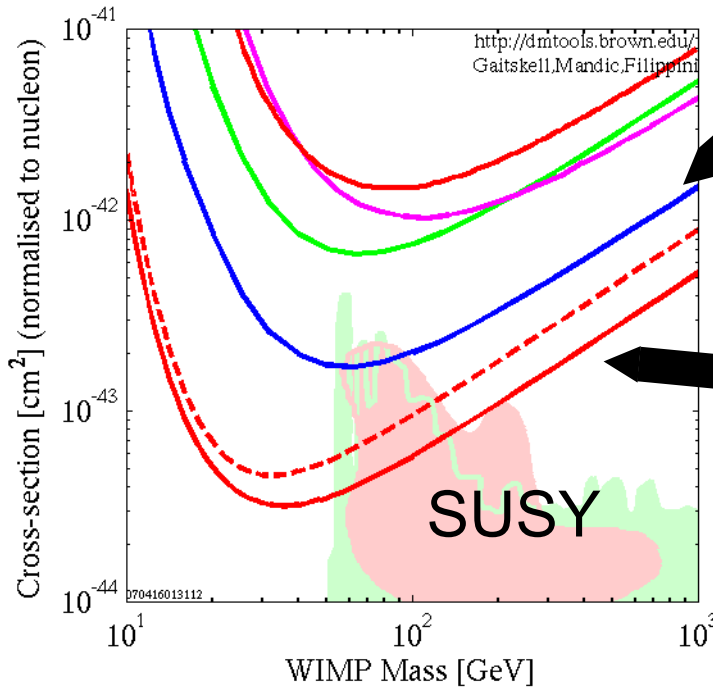


Recent Dramatic Improvement in DM Sensitivity!



previous best experiment

10 kg fiducial dual phase xenon detector with only 60 days data

April 17, APS meeting 2008

- Edelmuss, 32 kg-days Ge 2000+2002+2003 limit
- WARP 2.3L, 96.5 kg-days 55 keV threshold
- ZEPLIN II (Jan 2007) result
- CDMS (Soudan) 2004 + 2005 Ge (7 keV threshold)
- - - XENON10 2007 (Net 136 kg-d)
- XENON10 2007 (Net 136 kg-d, BG Subtract)
- Ruiz de Austri/Trotta/Roszkowski 2006, CMSSM Markov Chain Monte Carlos: S
- x x x Ellis et. al Theory region post-LEP benchmark points
- Baltz and Gondolo, 2004, Markov Chain Monte Carlos

Assumes local density is not abnormal