

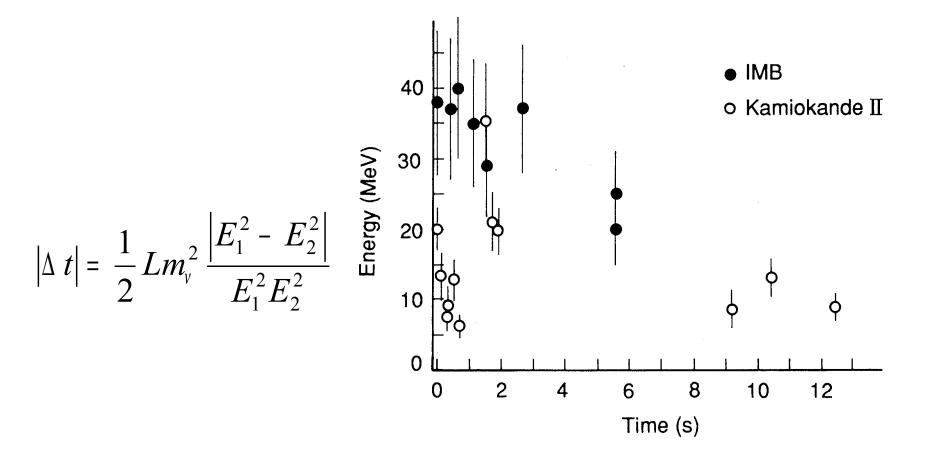




February 1984

March 8,1987

A supernova converts  $\sim 1~M_{\odot}$  to  $\nu$ 



Limit from SN1987a is  $m_{v_e} > 23$  eV (PDG) Best you can do is ~5-10 eV, which isn't good enough