

















- MACHO Project:
  - 5.7 yrs, 11.9 million stars
  - 13-17 microlensed events
  - 2-4 expected from known stellar populations
- EROS
  - 3 events towards LMC, 1 towards SMC
- Fraction of MW halo in < 1 M<sub>sun</sub> dark objects is < 20-40%.</li>
- Detected objects interpreted as white dwarfs
  - > 10 times more than expected from IMF
  - should be 6-10x more mass in gas than in white dwarfs ==> halo mass budget exceeded.
  - Alternative explanations require much less total mass. (<10% of halo)</li>
    LMC self-lensing often suggested
- MW halo mostly dark matter, not baryons
  - But massive black holes still possible
    - $\sim 10^5 M_{sun}$  or so
    - primordial?

