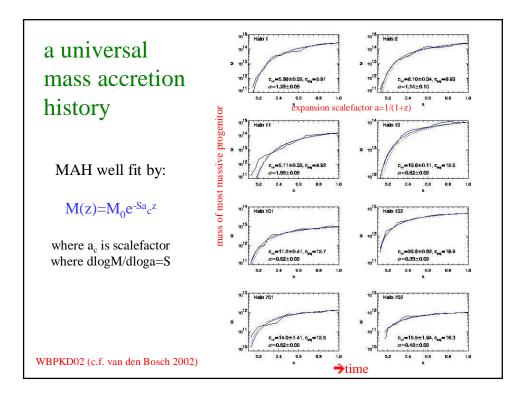
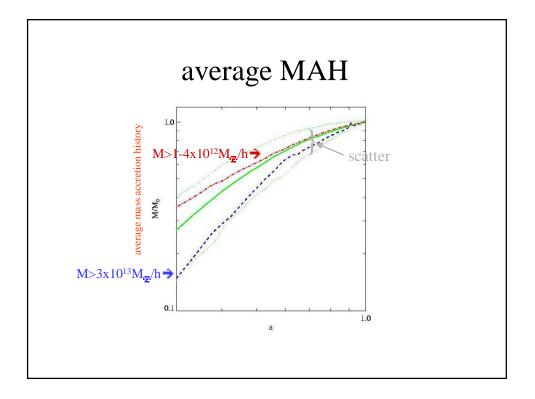
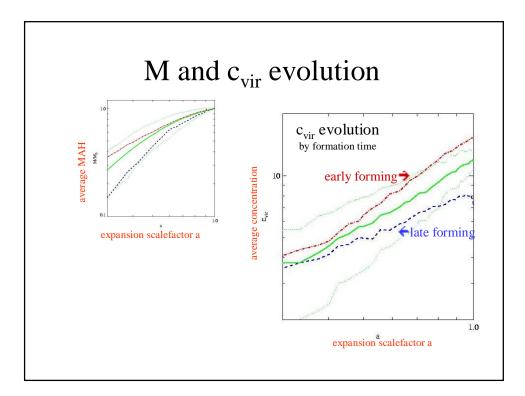


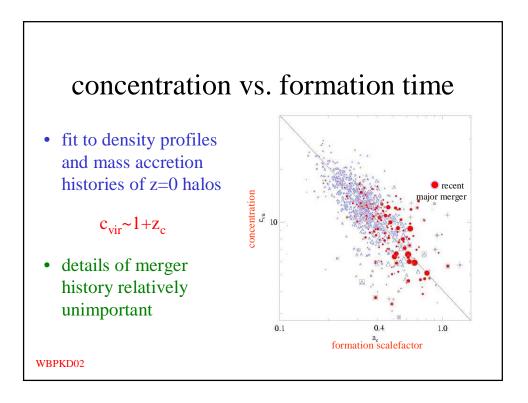
Mass Assembly, Dark Halo Structure, and Galaxy Formation

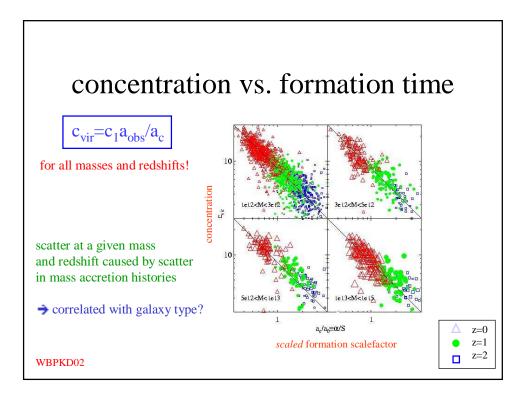


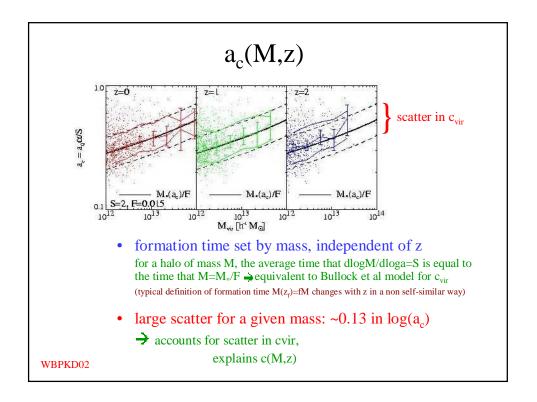


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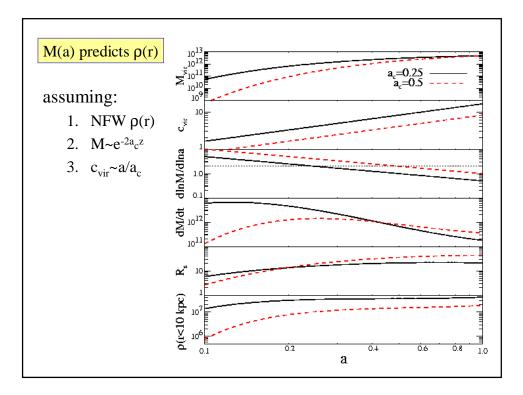


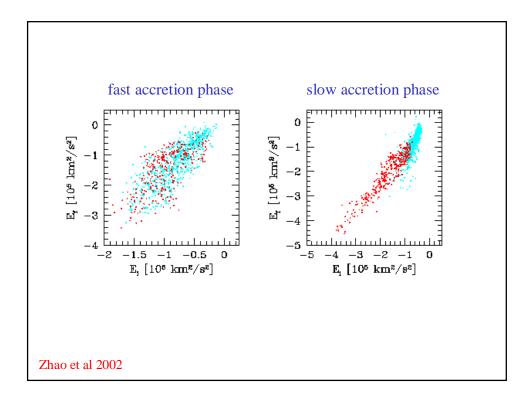


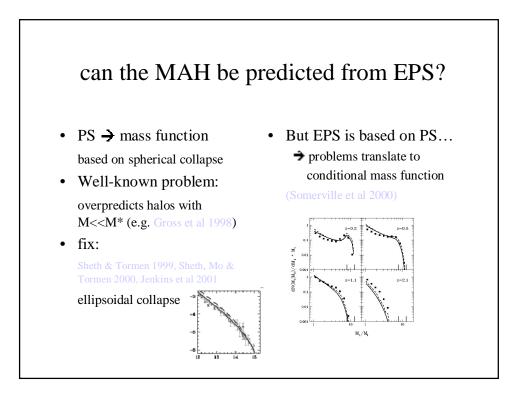


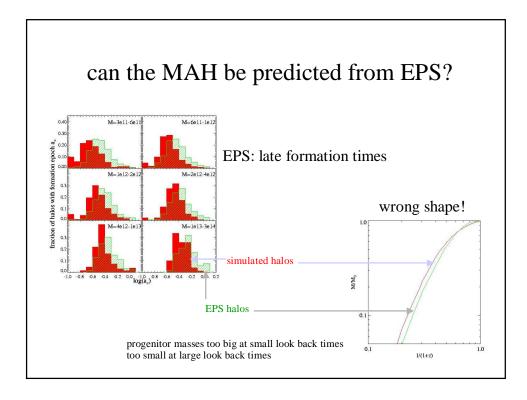


Mass Assembly, Dark Halo Structure, and Galaxy Formation

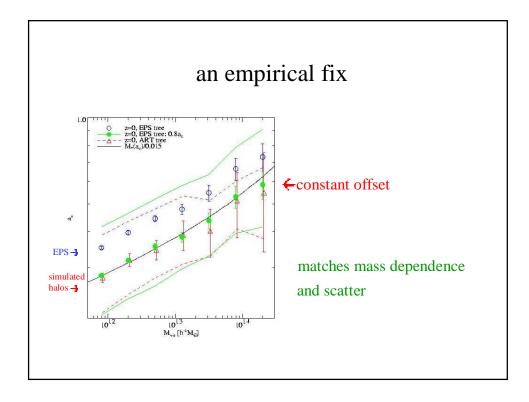


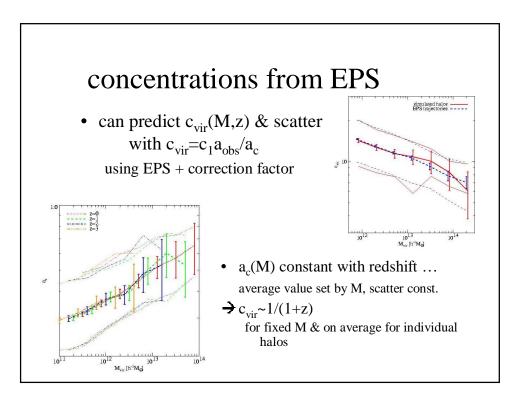


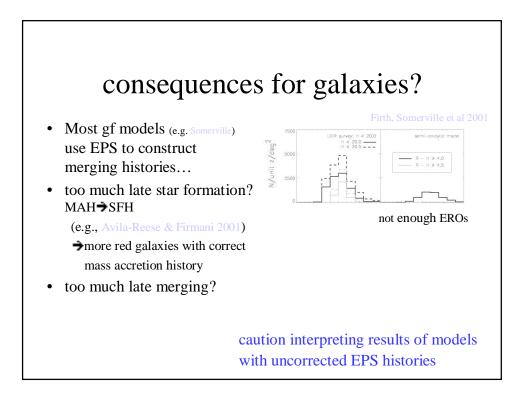


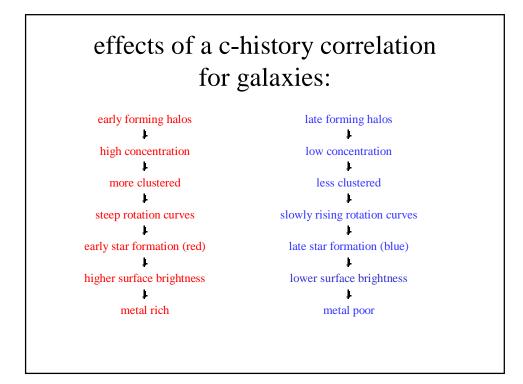


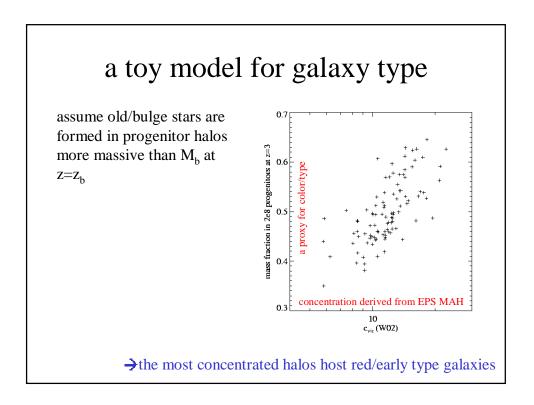


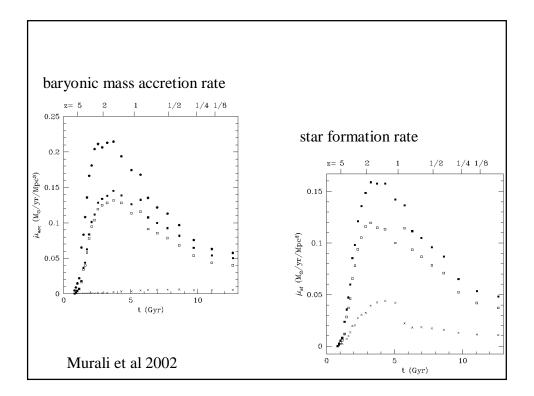


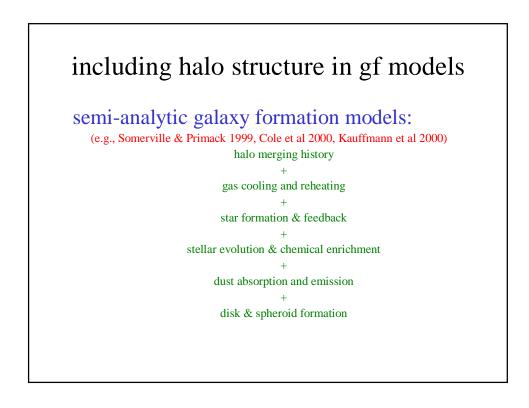




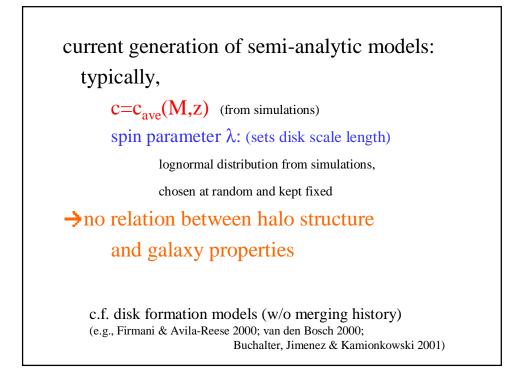


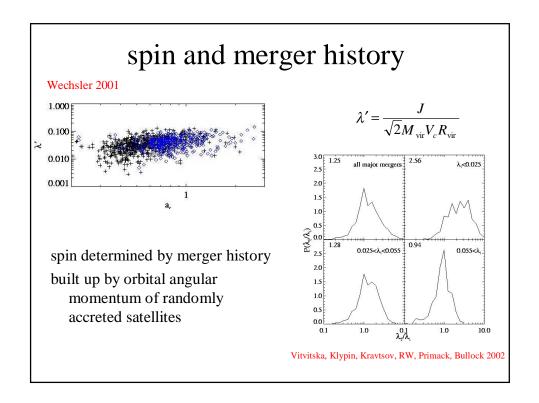


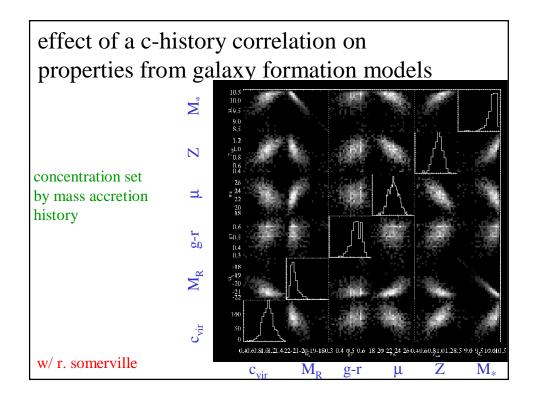


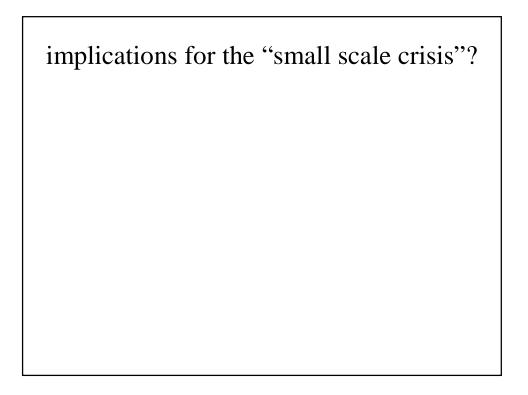


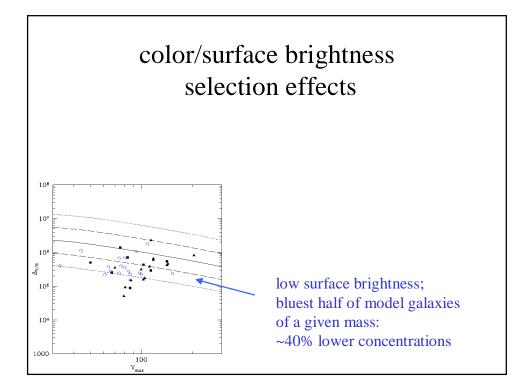
Mass Assembly, Dark Halo Structure, and Galaxy Formation

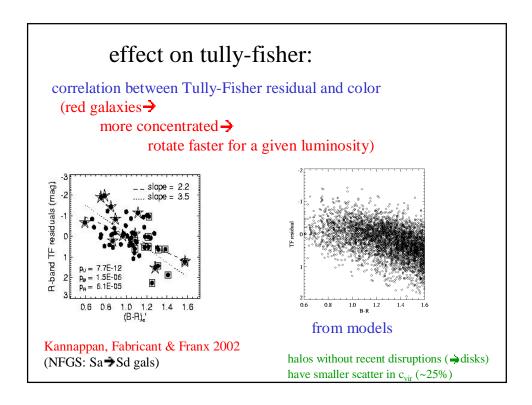


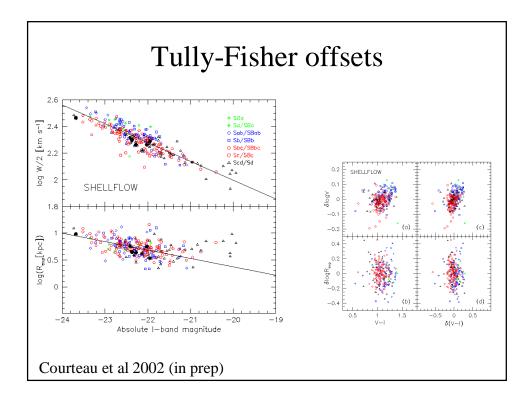


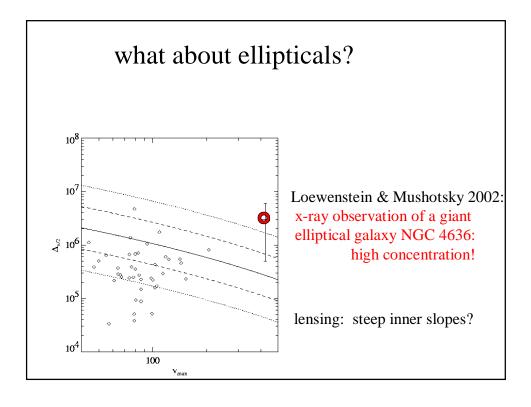




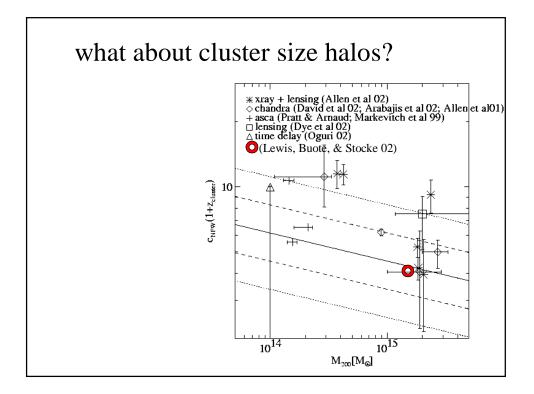


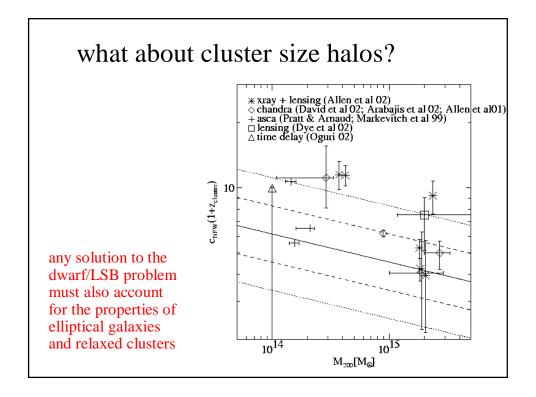




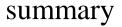


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- M(z) = f(M<sub>vir</sub>, a<sub>c</sub>) → ρ(r) = f(M<sub>vir</sub>, a<sub>c</sub>)
  → a physically-motivated and well-tested recipe for calculating the distribution of c(M,z)
- correlation between halo assembly and structure implies a correlation between halo structure and galaxy type.
- provides a natural explanation for the distribution of c(M) observed over a wide range of galaxy types and mass scales
- the fundamental relation is c(a<sub>c</sub>), not c(M)
  →even if this is only a partial solution to the central density problem, must consider selection effects !
- correlations between halo structure and galaxy properties are essential for a self-consistent galaxy formation theory