

Dynamical Scaling Relations for all Galaxy Types

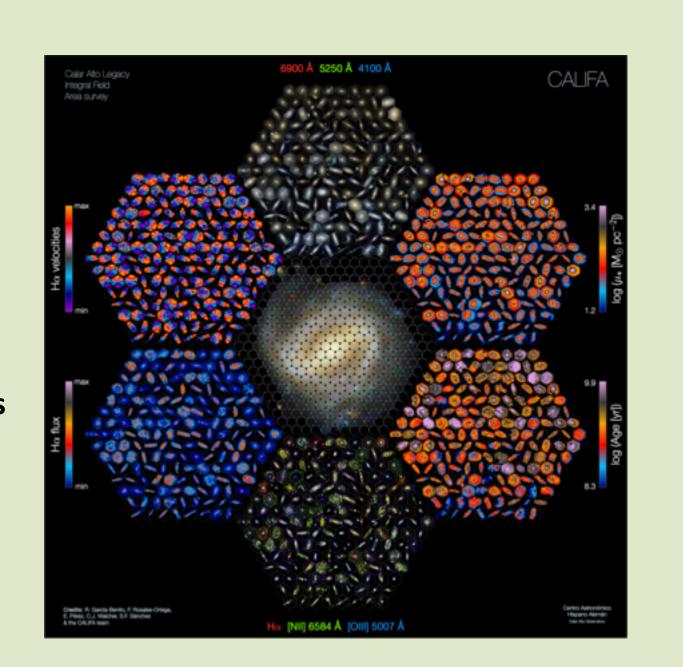


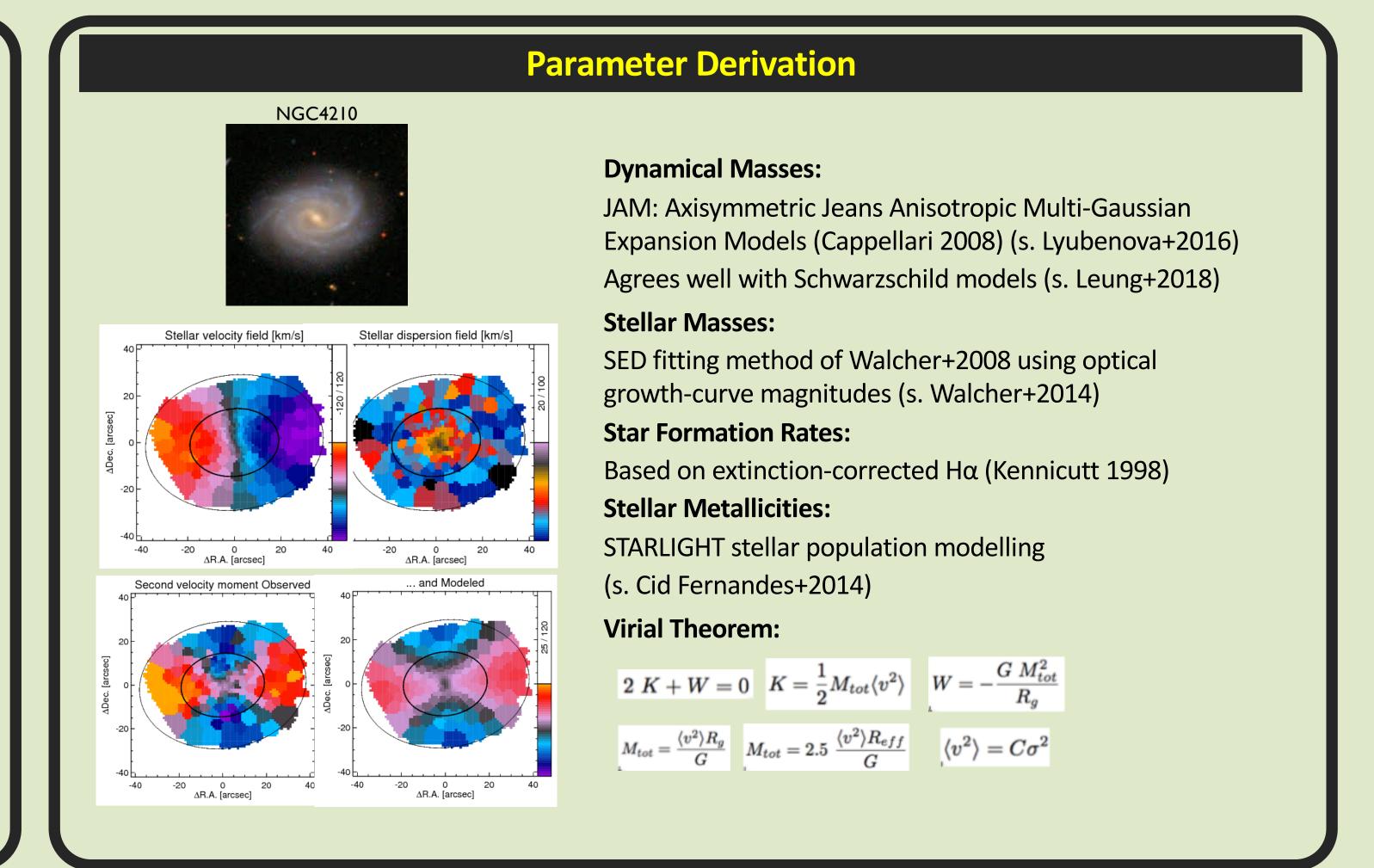
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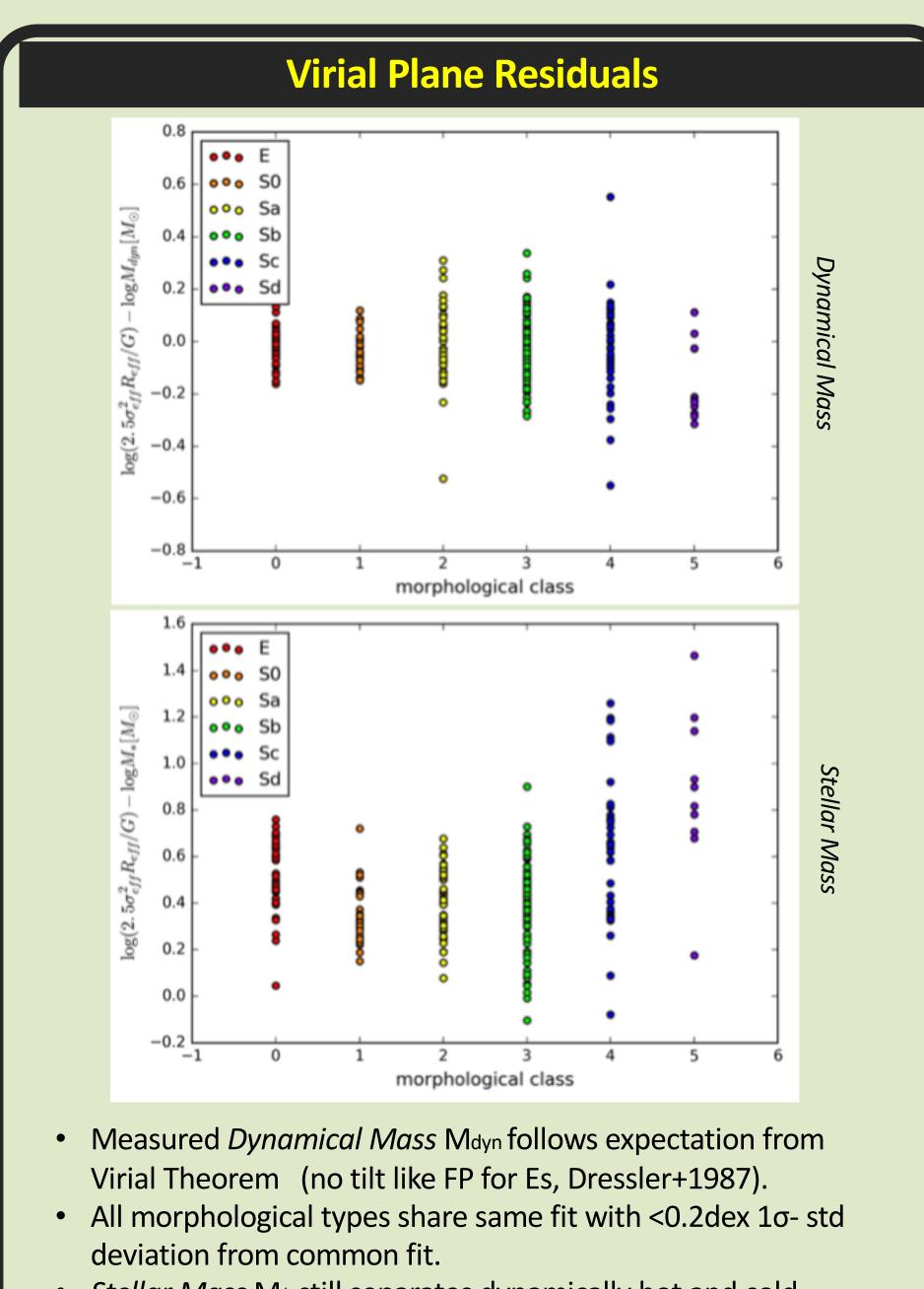
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CALIFA IFU Survey

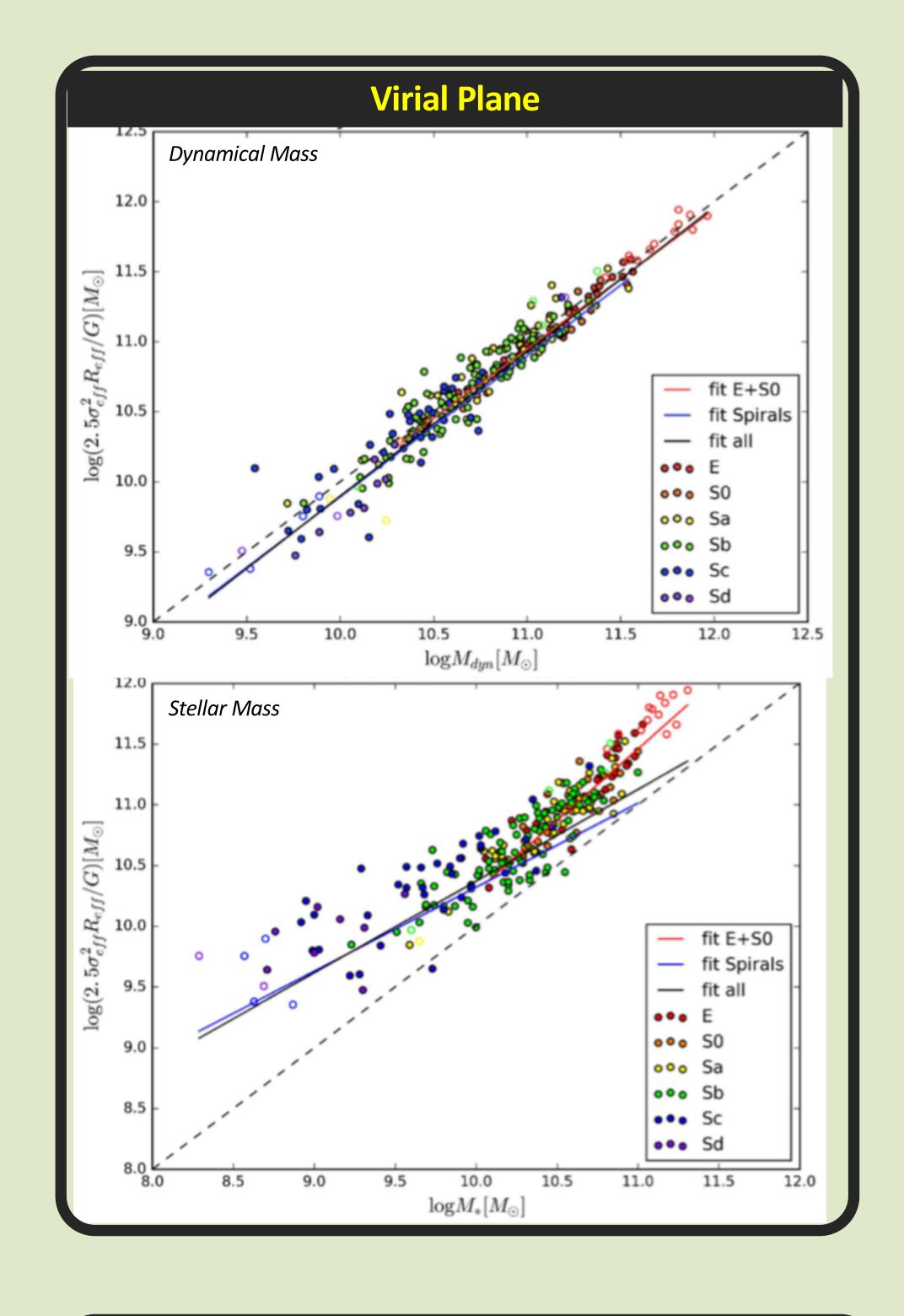
- Calar Alto Legacy Integral Field Area survey
- **3D spectroscopy** with PPAK/PMAS at 3.5m telescope Calar Alto Obs.: CAHA
- PI: S. Sanchez (UNAM), PS: C.J. Walcher (AIP)
- 667+ galaxies in local Universe (0.005 < z < 0.03)
- All Hubble galaxy types
- Selected by apparent size
- Fair representative mother sample from SDSS
- Volume corrections & Cosmic variance corrections
- 3 Public Data Releases
- Many data products including
 - Stellar Populations,
 - Star Formation rates & SF histories,
 - gas abundances, ionization sources,
 - stellar structure, stellar masses

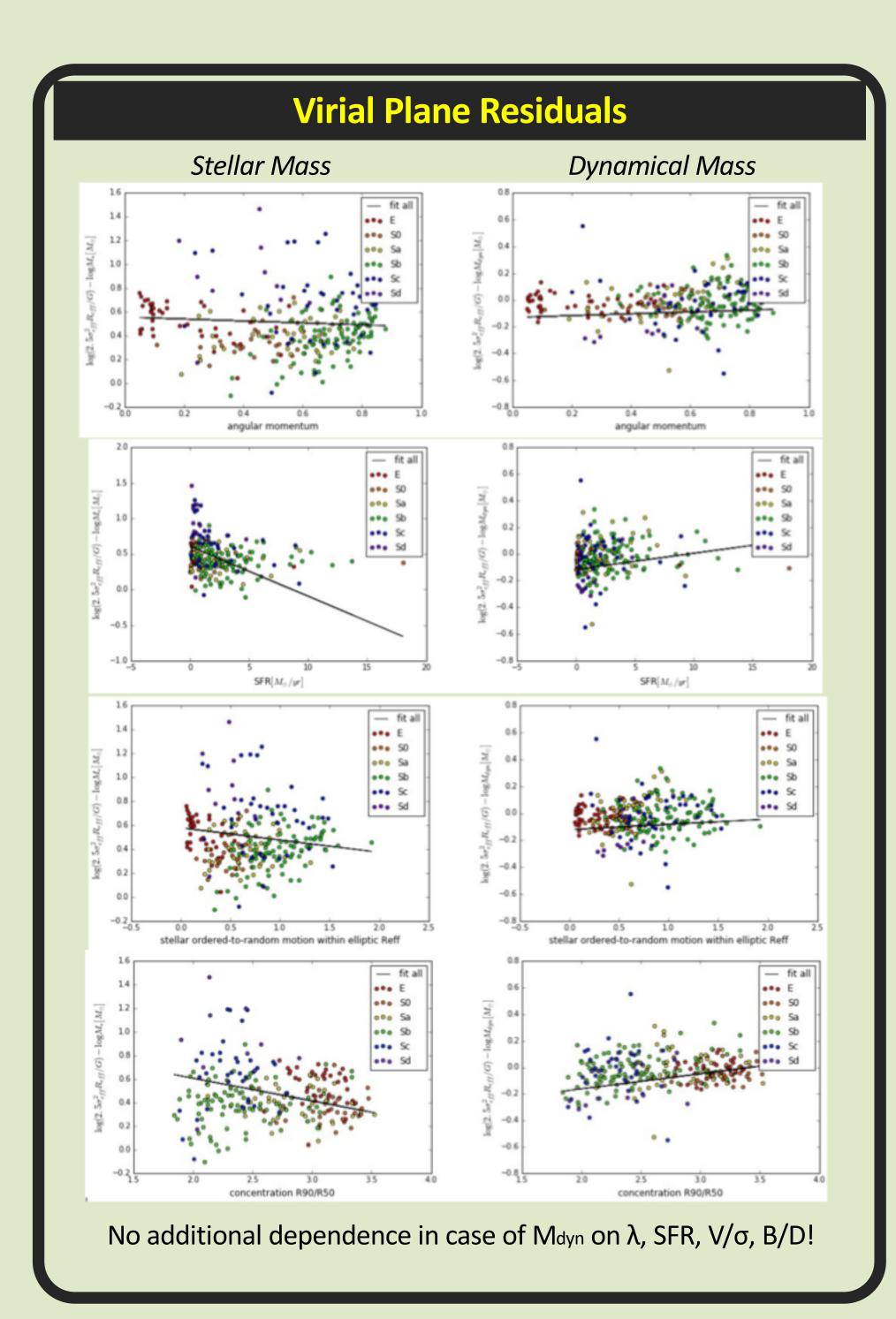


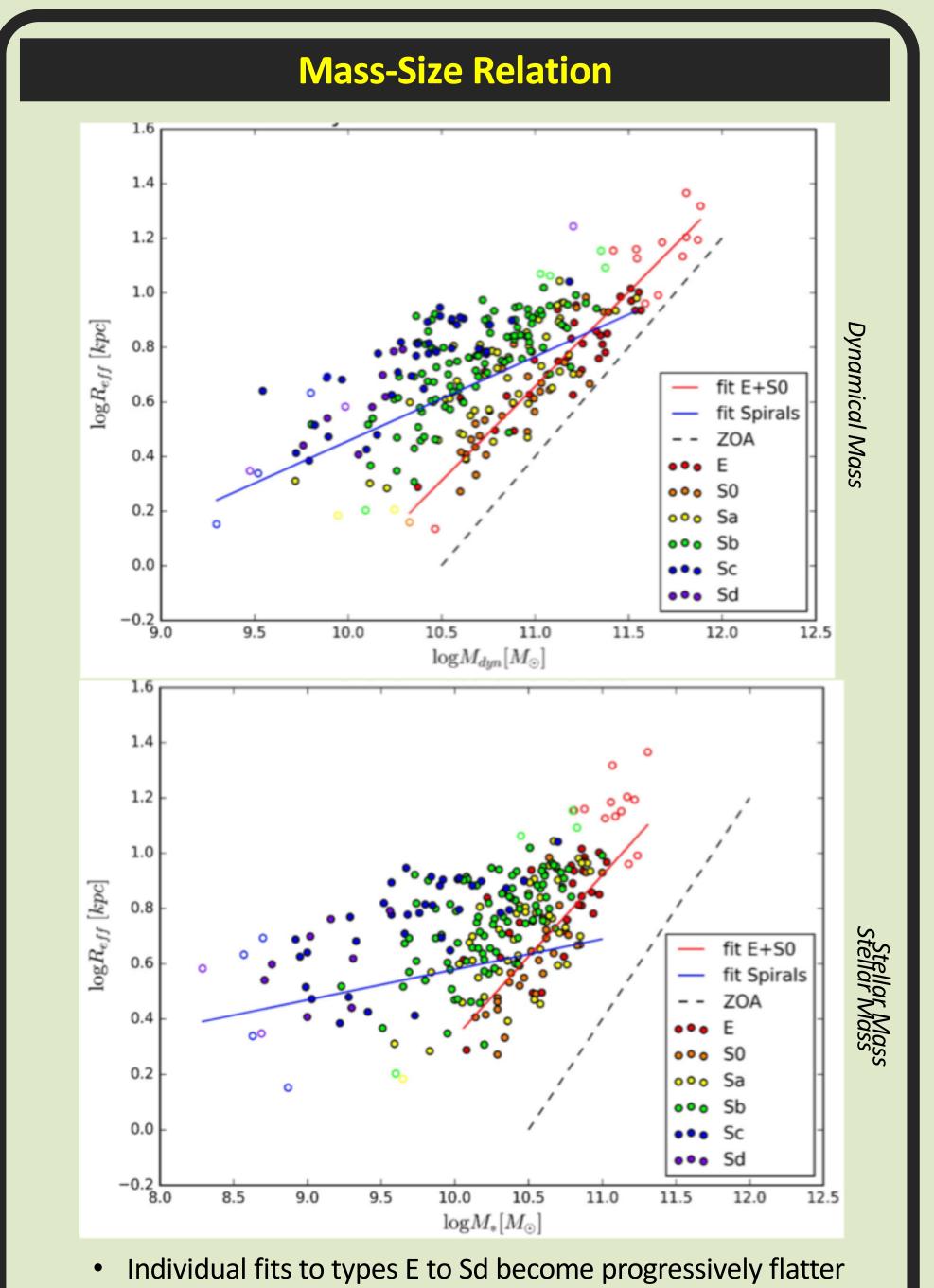




• Stellar Mass M* still separates dynamically hot and cold galaxies with different fits.







• Zone of Avoidance (Burstein+1997) holds for all types

