

Transient Mapping

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3D MAP GALAXY - VAR. STARS

- Use gri data to identify variable stars
- Use Period-Luminosity relationship to get distance
- Map 3D spatial distribution
- Determine deviation of variable stars from model
- Variations arise from non-gravitational effects
- Figure out dark matter distribution

PAN-STARRS COMPARISON

- download Pan-STARRS data (running)

- compare generated variable star list to PS RA and Dec

- validate observed variable stars

CONFIRM ACCELERATED EXPANSION - SUPER NOVEA

- use PanStarrs data to identify supernova locations

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† Observational Astronomy 301