



The Sagittarius Dwarf Galaxy: aka. the Milky Way's last meal

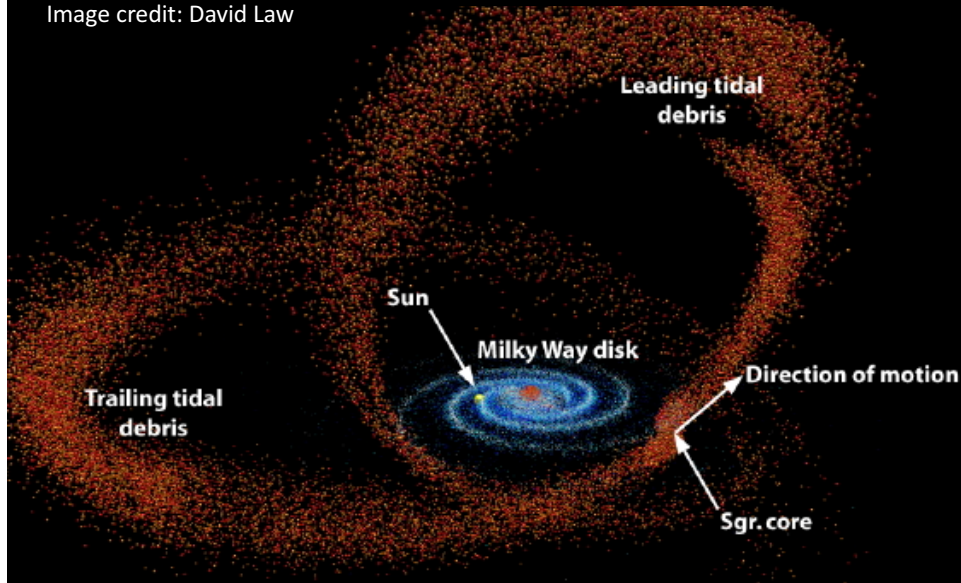


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Image credit: David Law



Model of Sgr dwarf disruption

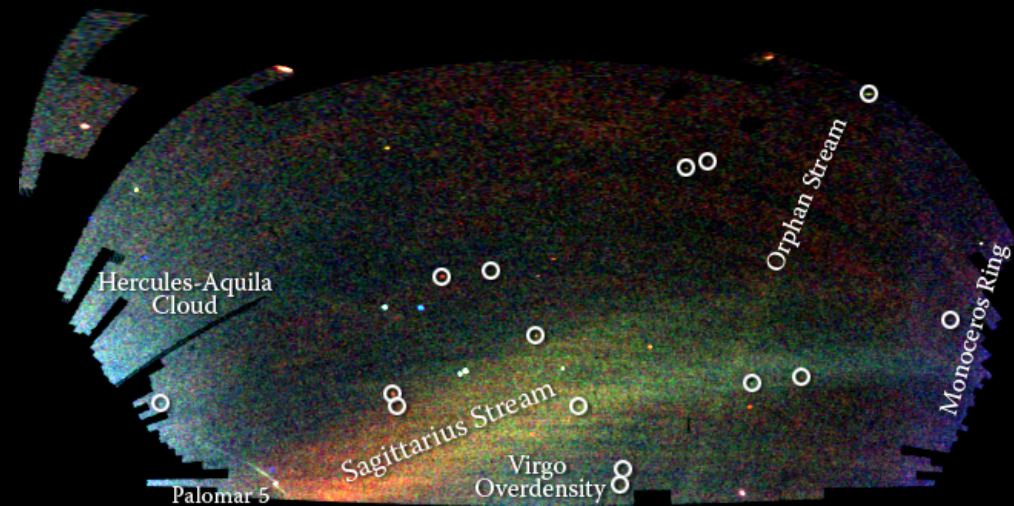


Image credit: Vasily Belokurov

Star count data from SDSS



First Results from SDSS + *Gaia* DR1



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First detailed kinematic map of Sgr stream in 3D.

Summer Project:

- Isolate Sgr stars in SDSS-*Gaia* data.
- Use proper motions to make 3D velocity map of destroyed dwarf.
- Compare to models.

Can learn:

- Properties of Sgr dwarf (mass, orbit).
- Milky Way dark matter halo (mass, shape).

PMs of stars in Sgr compared to model predictions.

