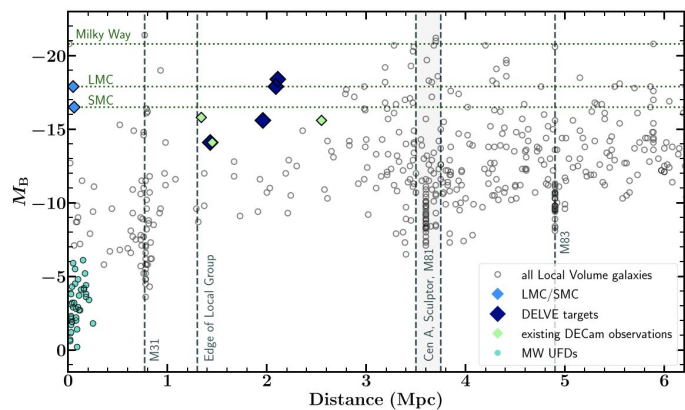
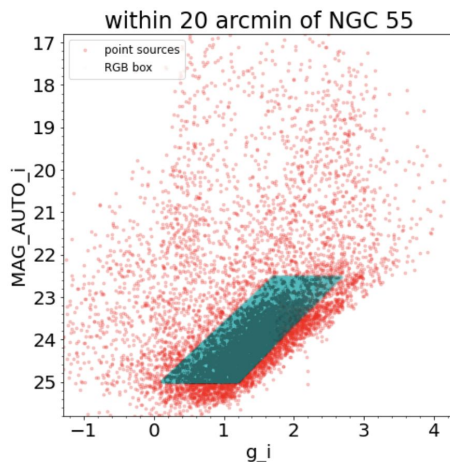


Searching for Dwarf Galaxies Around Isolated, Low Mass Hosts

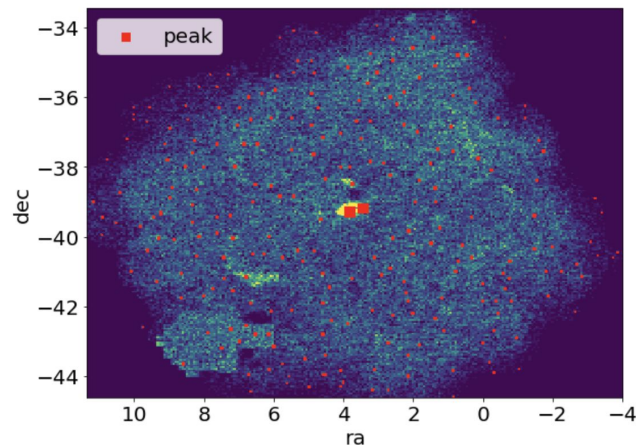
Jonah Medoff, University of Chicago



DELVE DEEP: 135 deg² of deep imaging with DECam in the g and i bands of four isolated, Magellanic-sized galaxies in the Local Volume: NGC 55, NGC 300, Sextans B, and IC 5152



CMD of sources within 20 arcminutes of NGC 55 with red-giant-branch selection box (turquoise)



Density map of RGB stars in NGC 55 with 243 over-density peaks – artificial star tests will help us confirm if any candidates could be real