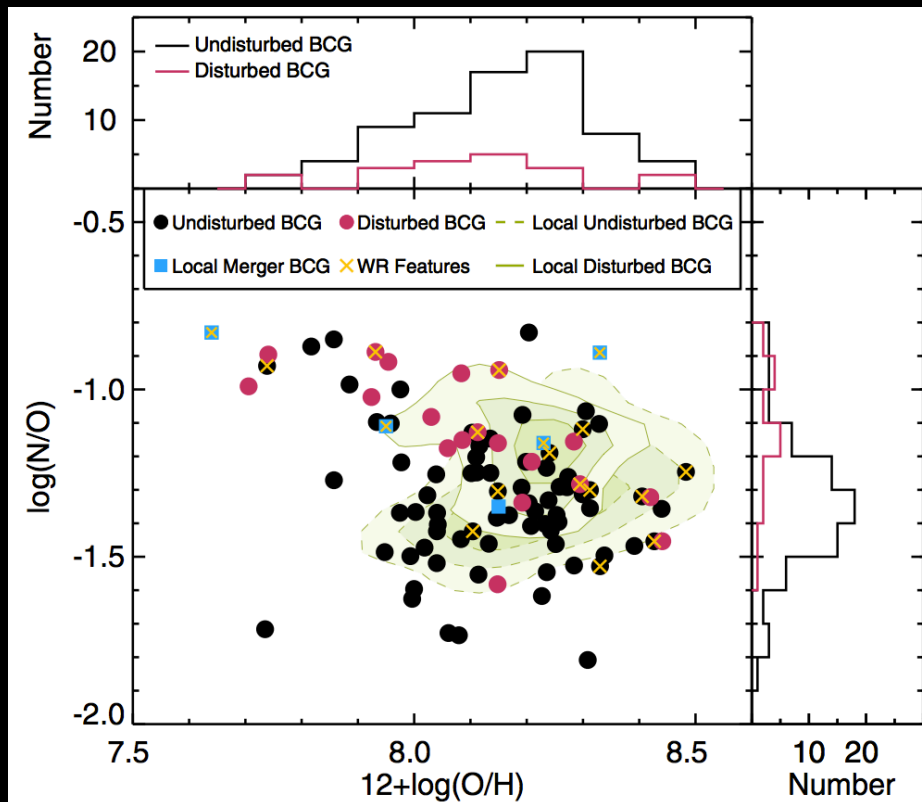


Enhanced Nitrogen In Morphologically Disturbed Blue Compact Galaxies at $0.2 < z < 0.34$: Probing Galaxy Merging Features

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Sample

- 91 BCGs at $0.20 < z < 0.35$ from SDSS DR7
- 19 disturbed and 72 undisturbed BCG



★ Disturbed BCGs

- Nitrogen enhancement and a decrease in O/H
- Prolonged SFHs through dynamical events (e.g., merger or interaction) between two galaxies
- Nitrogen may be enriched via Wolf-Rayet stars with active star formation

→ Probing galaxy merging features by chemical properties of galaxies !!!