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Research Interests: galaxy evolution, low surface brightness galaxies, spectral modeling

central surface brightness $\mu_0(B)$ [mag/arcsec²]

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high surface brightness (HSB)

low surface brightness (LSB)

LSB spiral galaxies present a paradox: they are blue, gas rich, and generally show late-type morphology, yet have very low star-formation rates and have diffuse stellar populations. Accounting for around 10% of $\log M_{\star} \sim 10$ galaxies, LSB spirals are a key edge-case test of our understanding of the physics driving galaxy evolution.