

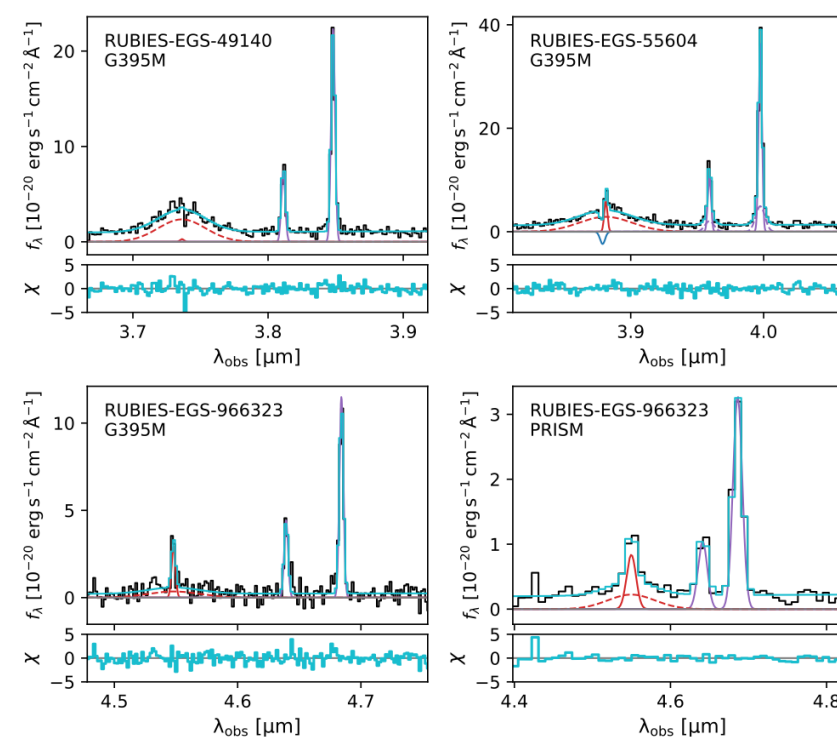
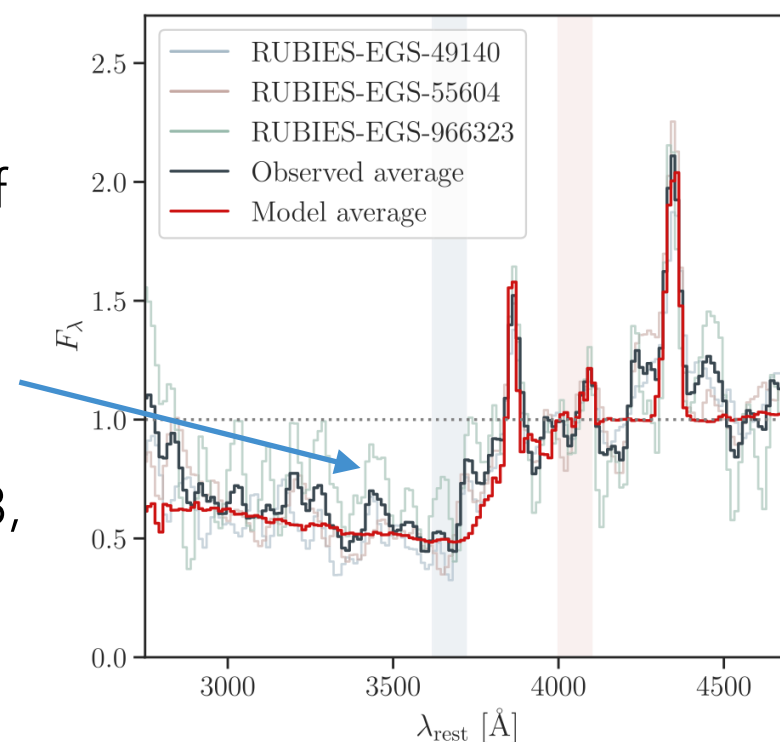
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- SED modeling / Bayesian inference / simulation-based inference
- Population modeling of galaxies
- Little red dots!
 - How (not) to use Cloudy to model their emission and absorption features

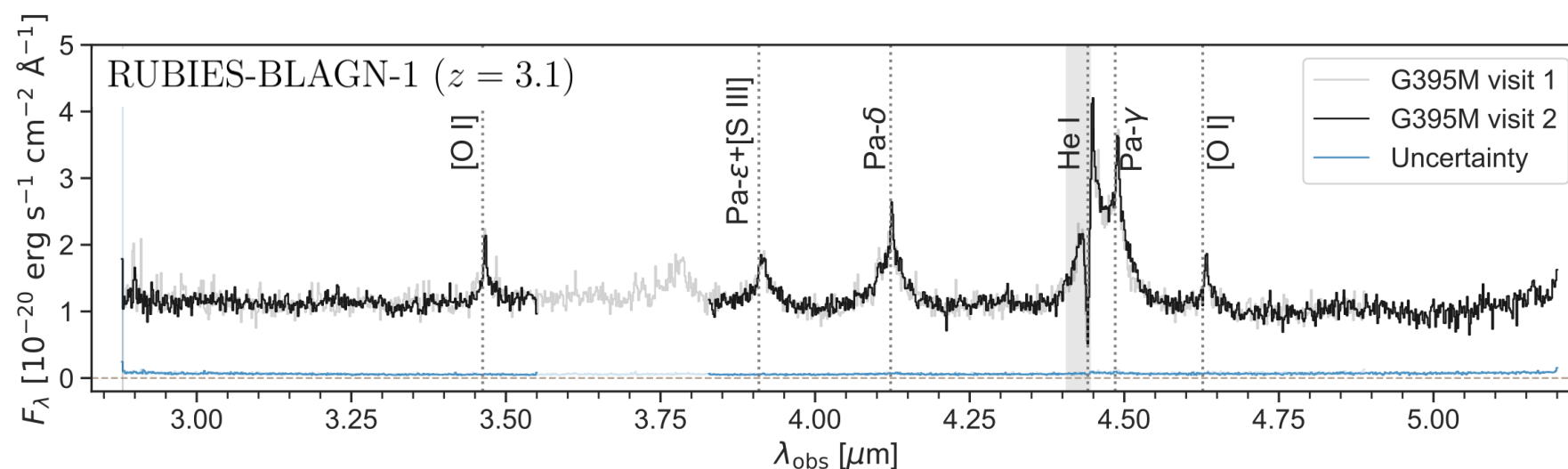


Absorption blue-ward of the Balmer limit – an AGN embedded in a dense neutral hydrogen cloud ($\log n_H > \sim 10 \text{ cm}^{-3}$, $\log N_H > \sim 24 \text{ cm}^{-2}$)?



Balmer emission + absorption

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Narrow, blue-shifted He I $\lambda 1.083 \mu\text{m}$ absorption

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