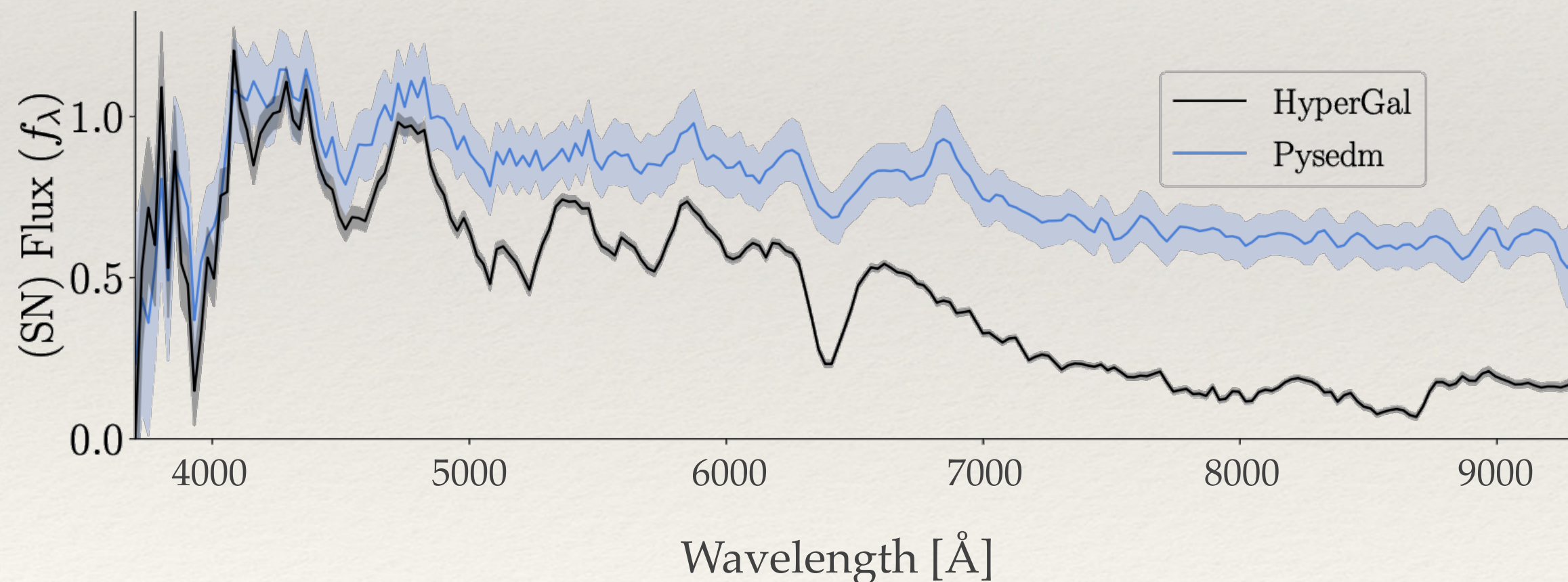
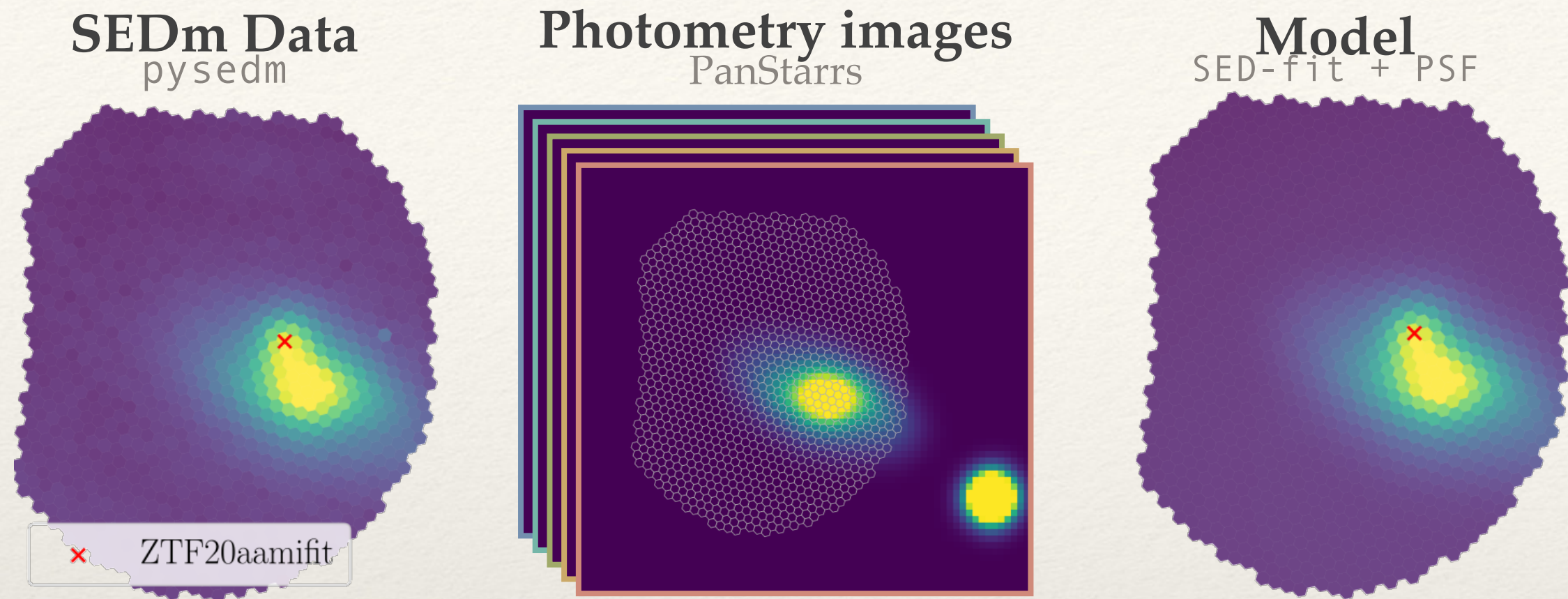


*Hypergal*

---

# Hypergal | Concept



Lezmy et al. 2022

# Hypergal 2.0

Same core | improved interface & installation  
Dask now optional | Made easy for dask-free job (slurm)

`pip install hypergal`  
(but see details for Cigale)

notebook

```
import hypergal
```

```
cubefile = 'e3d_crr_b_ifu20200217_11_39_59_ZTF20aamifit.fits' # fullpath  
radec = (275.7067393, 47.8320214)  
redshift = 0.045
```

```
hg_spec, _ = hypergal.run_hypergal(cubefile, radec=radec, redshift=redshift)
```

shell

```
% hg_run.sh {cubefile}  
--redshift {redshift}  
--radec {ra},{dec}
```

<https://github.com/MickaelRigault/hypergal>

# Production

November 2024

2021-2023

8770 Target cubes



7039 have an astrometry



SED fitting succeed  
for 6071



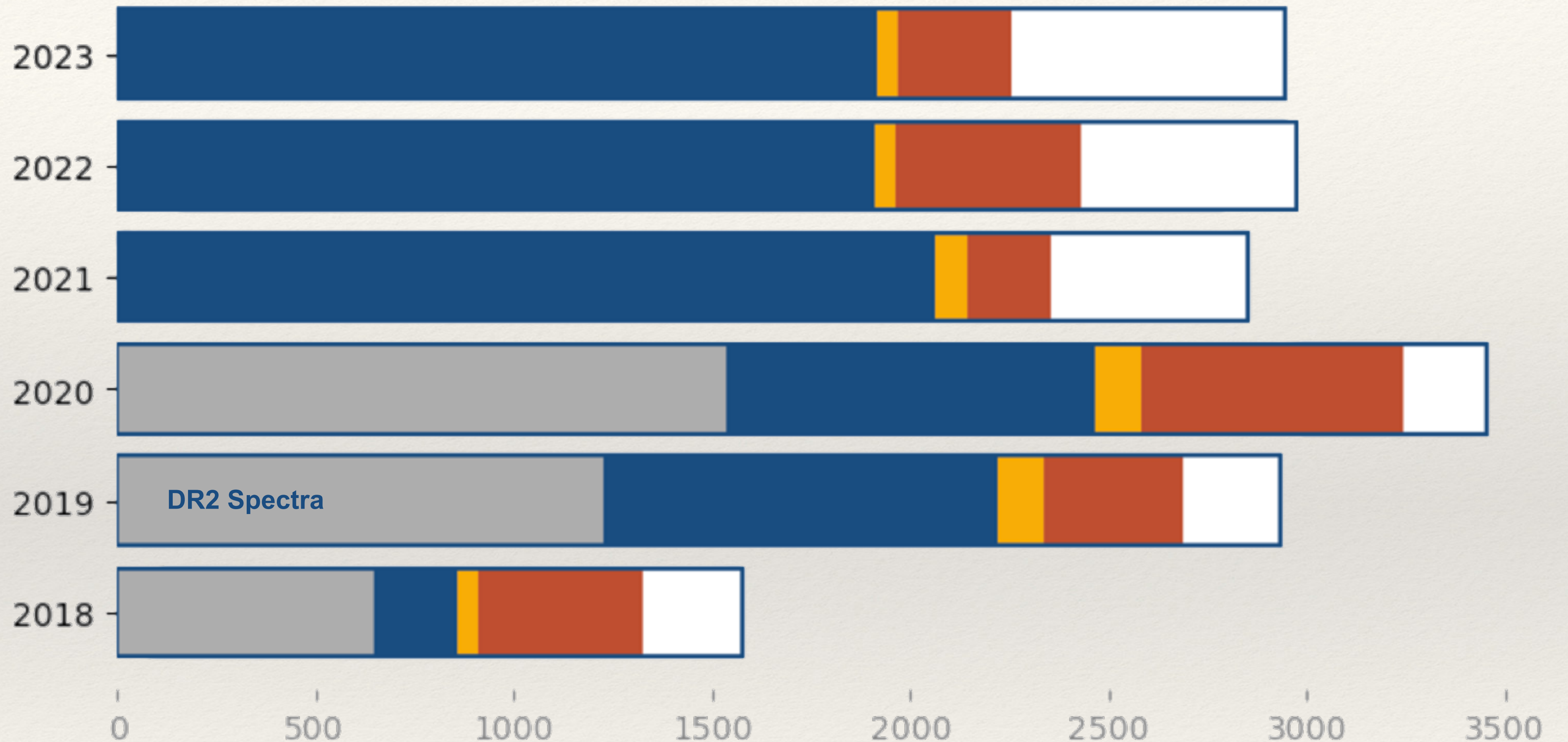
Leading to 5888 spectra



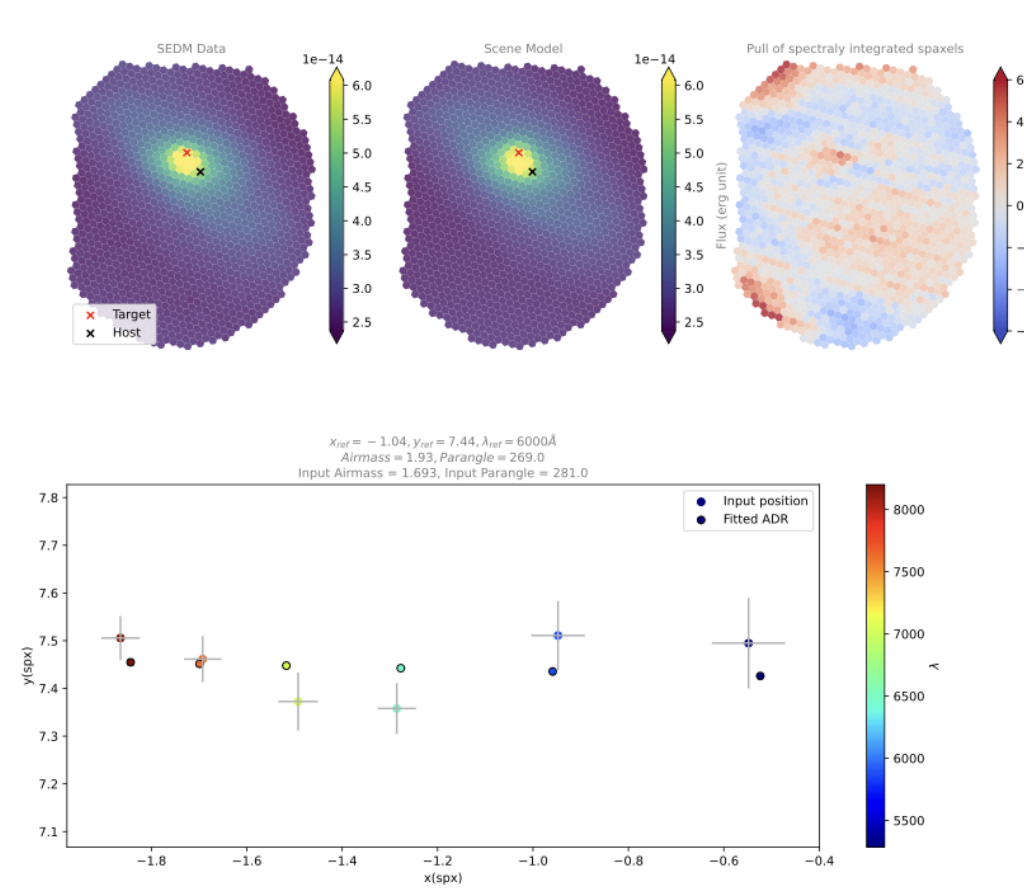
2018-2020

*Not from initial DR2 list  
non-Ia (or a few)*

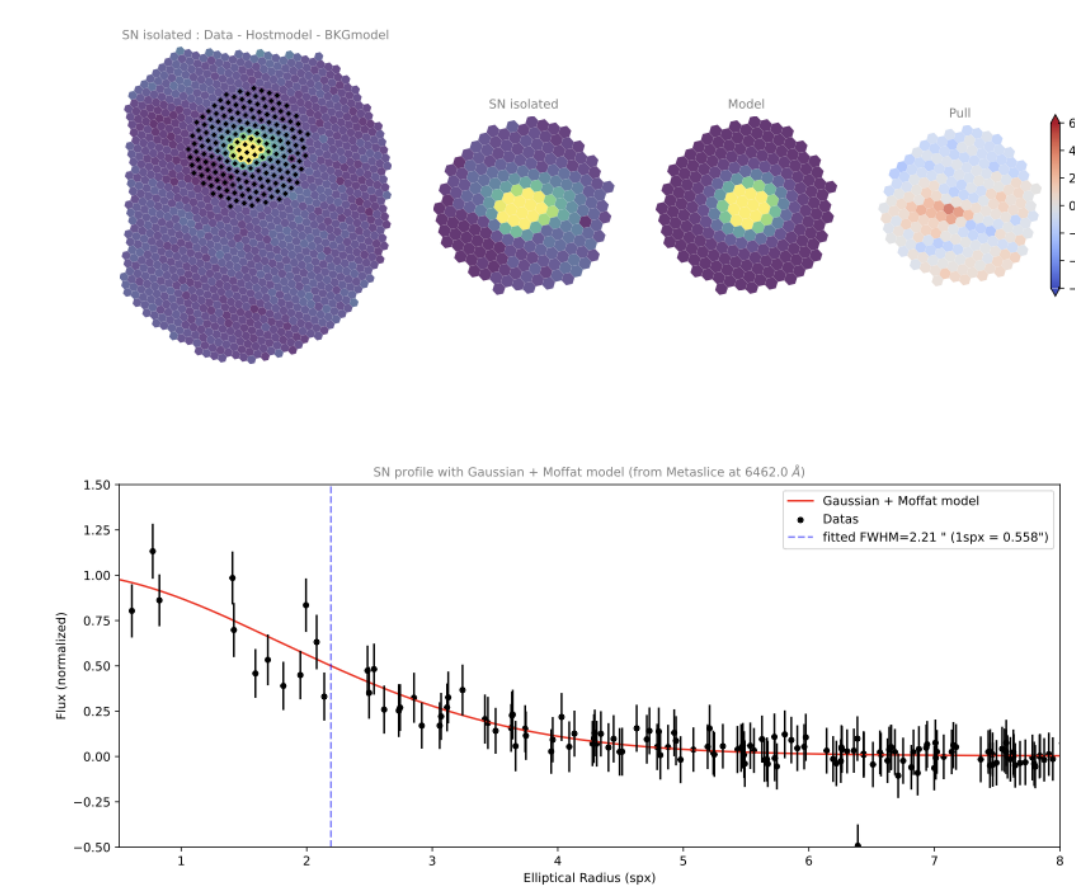
Find them in the dr3 repo: [ztfcosmoidr/dr3/spectra](https://github.com/ztfcosmoidr/dr3/spectra)



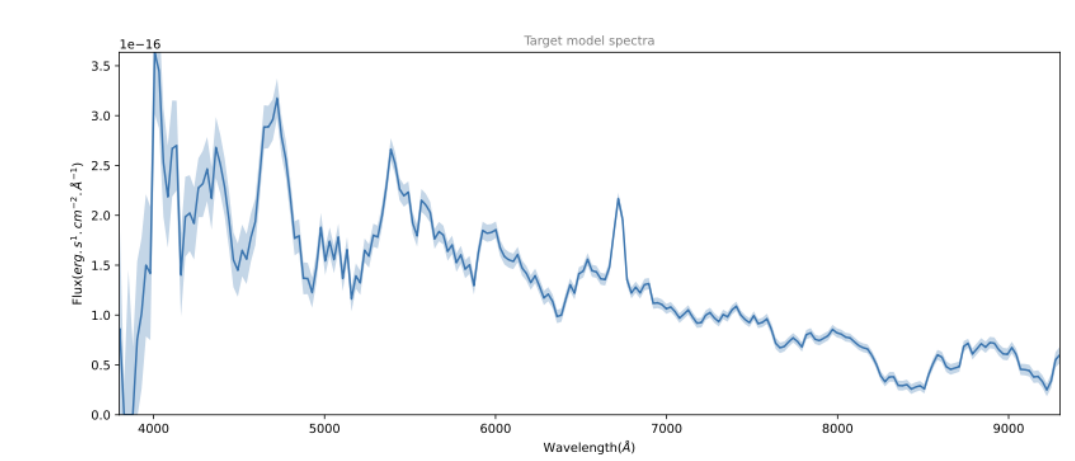
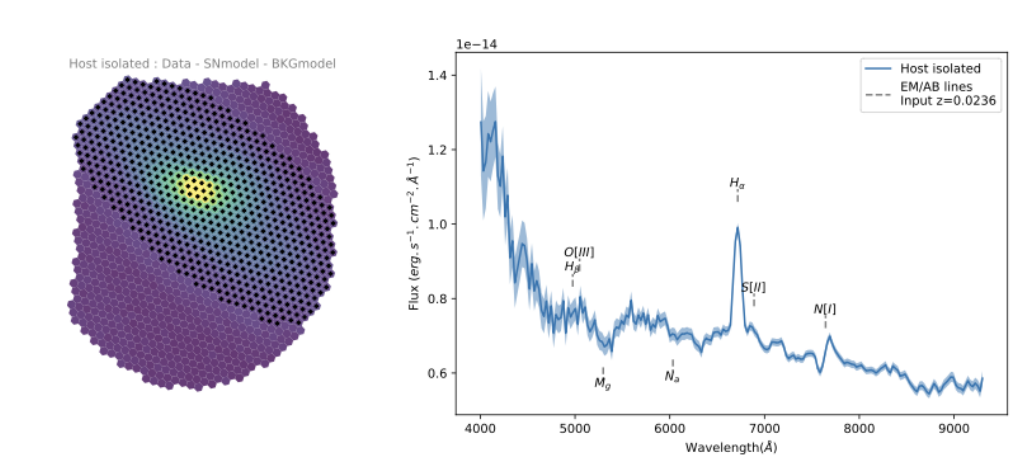
Global view



SN Spectrum



Host Spectrum



x5888

