

SIMPLE_RUN_GENERAL

```
# Read in spectrum
# -----
datafile = "../Data/FakeData/PLcompOnly/fakepowlaw1_werr.dat"
wavelengths, flux, flux_err = np.loadtxt(datafile, unpack=True)
spectrum = Spectrum()
spectrum.wavelengths = wavelengths
spectrum.flux = flux
spectrum.flux_error = flux_err
# -----
# Initialize model
# -----
model = Model()
model.print_parameters = False
# -----
# Initialize components
nuclear comp = NuclearContinuumComponent() model.components.append
(nuclear_comp)
model.data_spectrum = spectrum # add data
# Run MCMC
model.run mcmc(n walkers=n walkers, n iterations=n iterations)
print("Mean acceptance fraction: {0:.3f}".format(np.mean(model.sampler.
acceptance_fraction)))
# save chains & model
```

-------with gzip.open('model.pickle.gz', 'wb') as model_output:
model_output.write(pickle.dumps(model))

