library-examples-nuclei-Copy1

March 29, 2018

```
In [1]: %matplotlib inline
        import pynucastro as pyna
```
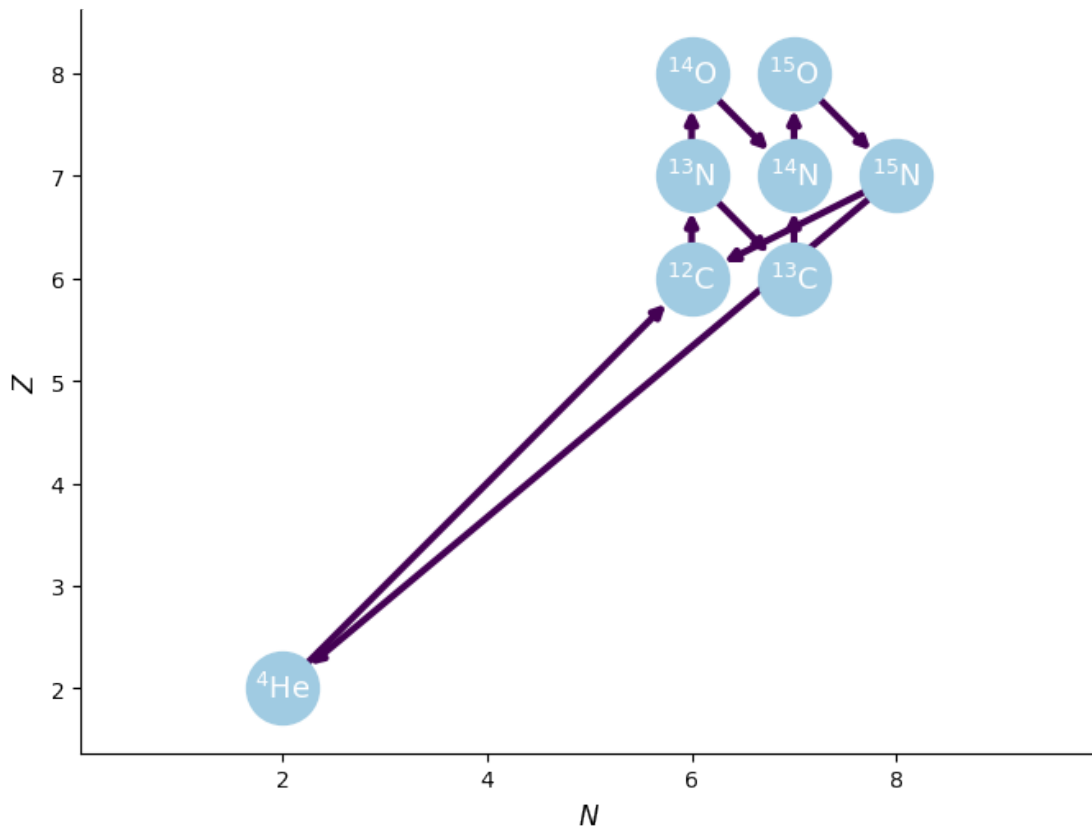
```
In [2]: mylibrary = pyna.rates.Library('20180201ReaclibV2.22')
```

```
In [3]: all_nuclei = ["p", "he4", "c12", "n13", "c13", "o14", "n14", "o15", "n15"]
```

```
In [4]: cno_library = mylibrary.linking_nuclei(all_nuclei, with_reverse=False)
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In [5]: cno_network = pyna.networks.PythonNetwork(libraries=cno_library)
```

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In [6]: cno_network.plot()
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In [7]: cno_network.write_network('network_module.py')

In [8]: comp = pyna.Composition(cno_network.get_nuclei())
        comp.set_solar_like()

In [9]: re = pyna.Explorer(cno_network, comp)
        re.explore()

interactive(children=(FloatSlider(value=4.0, description='logrho', max=6.0, min=2.0), FloatSlide
```