Potential issues with PaNET v1.0

The use of chevron brackets, i.e. <>, will denote classes belonging to <photon and neutron technique>. The use of square brackets, i.e. [], will denote classes that are PaN-related concepts. The use of regular brackets, i.e. (), will denote object properties.

- <x-ray standing wave_technique> might not be subclass of <absorption_technique>
  - Suggest removing <absorption_technique> as a parent class of <x-ray standing wave_technique>
- Missing <standing wave >
  - <borrmann effect > should be a subclass of <standing wave > and not <x-ray standing wave>
  - Suggest creating <standing wave> and make that the parent class of <borrman effect>
- Missing <obtain electronic properties>
  - <obtain electronic ground state properties> should be a subclass of <obtain electronic properties>
  - Suggest:
    - Creating <obtain electronic properties> and making it the parent class of <obtain electronic ground state properties>
    - Creating [obtain electronic properties] and making it the parent class of [obtain electronic ground state properties]
- <reference beam> should be a subclass of <defined by process> rather than <diffraction>
  - Suggest making [reference beam] a subclass of [Process] rather than [diffraction]
- <muon spectroscopy> should not be subclass of <muon spin resonance>
- <x-ray reflectivity> should be subclass of <x-ray probe> and <reflectometry>?
  - Suggest making <x-ray reflectivity> equivalent to <x-ray probe> and <reflectometry>
  - Note that <reflectometry> has alt label 'reflectivity'
- <single wavelength anomalous diffraction> should be subclass of <x-ray probe> as well
  - Suggest adding <x-ray probe_technique> to equivalence axoim
- <x-ray interference lithography> should be subclass of <x-ray probe> and <lithography_technique> as well
  - Suggest adding <x-ray probe_technique> as a parent class, and to add <lithography_technique> as a parent class
- <magnetic diffraction_technique> should be a subclass of <magnetic scattering_technique> rather than <magnetism_technique>
  - Suggest to change equivalence axoim class <magnetism_technique> to <magnetic scattering_technique>
- <micro small angle x-ray scattering tomography_technique> should be subclass of <small angle x-ray scattering> rather than <grazing incidence small angle x-ray scattering_technique>
  - Suggest changing parent class <grazing incidence small angle x-ray scattering_technique> to <small angle x-ray scattering>
- http://purl.obolibrary.org/obo/CHMO_0000182
  - <diffraction> was made equivalent to this term from an external ontology. However, this term refers to coherent neutron scattering.
- <magnetism> should be a subclass of <defined by purpose> rather than <defined by process>
  - Already fixed in PaNET v2

- <diffuse scattering> should be a subclass of <scattering> rather than <elastic scattering>
    - Already fixed in PaNET v2
- <microscopy> should be equivalent to <obtain high resolution spatial map>
    - Reasoner inferred this equivalence relationship in PaNET v2
- <photoelectron diffraction_technique> is no longer a subclass of <x-ray probe>
    - Reasoner inferred this in PaNET v2
    - Might be an issue with the axioms in PaNET v2
- <lipidic cubic phase serial synchrotron crystallography_technique> is no longer a subclass of <macromolecular crystallography>
    - Reasoner inferred this in PaNET v2
    - Might be an issue with the axioms in PaNET v2