2.3.8 NXcollection

Category: contributed.

Description: Use `NXcollection` to gather together any set of terms. The original suggestion is to use this as a container class for the description of a beamline. For NeXus validation, `NXcollection` will always generate a warning since it is always an optional group. Anything (groups, fields, or attributes) placed in an `NXcollection` group will not be validated.

Extends: *NXobject*.

Structure:

beamline: untyped (*NX_CHAR*)

name of the beamline for this collection

Symbols:

No symbol table.

Groups cited:

none.

History:

Introduced in NeXus version 1.0.

Source:

Automatically generated from https://github.com/nexusformat/definitions/blob/master/base_classes/NXcollection.nxdl.xml.

2.3.9 NXcollimator

Category: base.

Description: Template of a beamline collimator.

Extends: *NXobject*.

Structure:

type: untyped (*NX_CHAR*)

-:- Any of these value(s): * `Soller`: * `radial`: * `oscillating`: * `honeycomb`:

soller_angle: *NX_FLOAT* {units= *NX_ANGLE*}

Angular divergence of Soller collimator

divergence_x: *NX_FLOAT* {units= *NX_ANGLE*}

divergence of collimator in local x direction

divergence_y: *NX_FLOAT* {units= *NX_ANGLE*}

divergence of collimator in local y direction

frequency: *NX_FLOAT* {units= *NX_FREQUENCY*}

Frequency of oscillating collimator

blade_thickness: *NX_FLOAT* {units= *NX_LENGTH*}

blade thickness