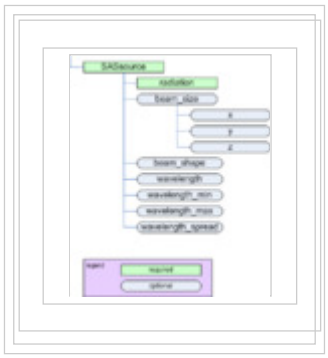
cansas1d SASsource

From canSAS

block diagrams



- parent: SASinstrument

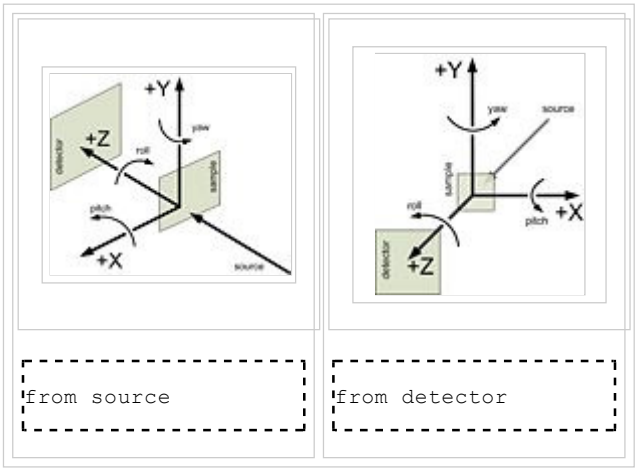
SASsource

Name	Type	occurrence	Description	Attributes
radiation	string	[1..1]	Name of the radiation used. For maximum compatibility with NeXus, use one of the names defined by either NeXus **NXsource**/type (http://www.nexusformat.org /NXsource) * Spallation Neutron Source * Pulsed Reactor Neutron Source * Reactor Neutron Source * Synchrotron X-ray Source * Pulsed Muon Source * Rotating Anode X-ray * Fixed Tube X-ray or NeXus **NXsource**/probe (http://www.nexusformat.org /NXsource) * neutron * x-ray * muon * electron	
beam_size	container	[0..1]	Physical dimension of the beam (incident on the sample). Note: If beam is round, just use X dimension. Note: While Z dimension is allowed by the standard, it does not make sense for small-angle scattering.	***name***="{name}"

beam_shape	string	[0..1]	Text description of the shape of the beam (incident on the sample).	
wavelength	floating-point number	[0..1]	wavelength (λ) of radiation incident on the sample.	**unit**="{unit}"
wavelength_min	floating-point number	[0..1]	Some facilities specify wavelength using a range. The minimum of such a range is given by wavelength_min.	**unit**="{unit}"
wavelength_max	floating-point number	[0..1]	Some facilities specify wavelength using a range. The maximum of such a range is given by wavelength_max.	**unit**="{unit}"
wavelength_spread	floating-point number	[0..1]	Some facilities specify the width of the wavelength spectrum. The width of such a range is given by wavelength_spread.	**unit**="{unit}"

beam_size

geometry



Name	Type	occurrence	Description	Attributes
x	floating-point number	[0..1]	Dimension of the beam in X. The **unit** attribute is required. See cansas1d_documentation#Rules for acceptable values.	**unit**="{units}"
y	floating-point number	[0..1]	Dimension of the beam in Y. The **unit** attribute is required. See cansas1d_documentation#Rules for acceptable values.	**unit**="{units}"
z	floating-point number	[0..1]	Dimension of the beam in Z. The **unit** attribute is required. See cansas1d_documentation#Rules for acceptable	**unit**="{units}"

			values. Note: While Z dimension is allowed by the standard (provided by use of a standard element in the XML Schema), it does not make sense for small-angle scattering.	

- This page was last modified 20:44, 25 April 2008.