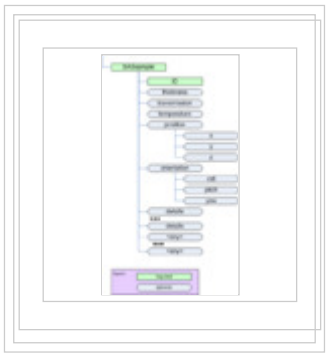
cansas1d SASsample

From canSAS

block diagrams

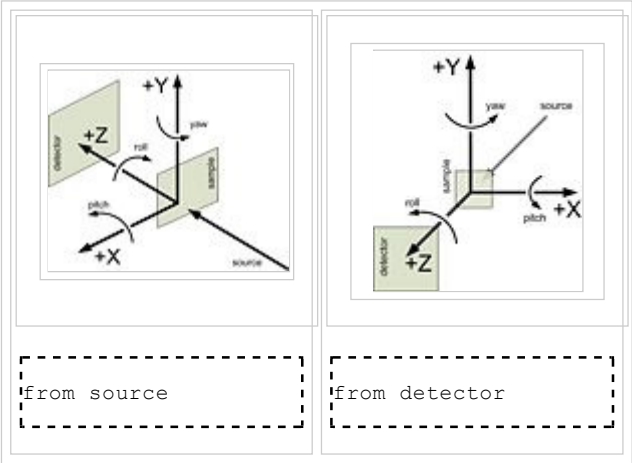


- parent: SASentry

Name	Type	occurrence	Description	Attributes
ID	string	[1..1]	Text string that identifies this sample.	
thickness	floating-point number	[0..1]	Thickness of this sample. Must specify the unit as an attribute.	**unit**="{unit}"
transmission	floating-point number	[0..1]	Transmission (1-attenuation) of this sample. Express this as a fraction, not as a percentage. NOTE: there is no "unit" attribute.	
temperature	floating-point number	[0..1]	Temperature of this sample. Must specify the unit as an attribute.	**unit**="{unit}"
position	container	[0..1]	Location in X, Y, and Z of the sample.	
orientation	container	[0..1]	Orientation (rotation) of the sample.	
details	string	[0..unbounded]	Any additional sample details.	
{any}	container	[0..unbounded]	Any element(s) not defined in the cansas1d/1.0 standard can be placed at this point. See *{any}* for more details.	***xmlns:{foreign-prefix}***="{foreign-namespace}"

geometry

geometry



position

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

orientation

Name	Type	occurrence	Description	Attributes
roll	floating-point number	[0..1]	Rotation about the Z axis (roll) The **unit** attribute is required. See cansas1d_documentation#Rules for acceptable values.	**unit**="{units}"