

CstRingOptic Tango Cpp Class

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CstRingOptic Class Identification :

Contact : at esrf.fr - taurel
Class Family : Calculation
Platform : All Platforms
Bus : Not Applicable
Manufacturer : none
Manufacturer ref. :

CstRingOptic Class Inheritance :

- [Tango::DeviceImpl](#)
 - CstRingOptic

CstRingOptic Class Description :

This Tango class is part of the ring optic parameter computation device server. It is a very simple class to handle optic parameter which are constant all around the ring

CstRingOptic Properties :

There is no class properties

There is no device properties

CstRingOptic Class Commands				
Name	Input type	Output type	Level	Description
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its device_state data member) and returns it to the caller.
Status	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its device_status data member) and returns it to the caller.

Command State :

This command gets the device state (stored in its device_state data member) and returns it to the caller.

State Definition		
Input Argument	Tango::DEV_VOID	none
Output Argument	Tango::DEV_STATE	Device state
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Status :

This command gets the device status (stored in its device_status data member) and returns it to the caller.

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Status Definition		
Input Argument	Tango::DEV_VOID	none
Output Argument	Tango::CONST_DEV_STRING	Device status
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

CstRingOptic Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
EnergySpread	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	This is the particules beam energy spread

There is no dynamic attribute defined.

Attribute EnergySpread :

This is the particules beam energy spread

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false

Attribute Properties	
label	
unit	
standard unit	
display unit	
format	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set

Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	true
Read allowed for	All states
Write allowed for	All states

max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	false

CstRingOptic Class States	
Name	Description
ON	The device is ON and ready to do its computation