

Light de rayonnement Source synchrotron

pySTXM: A Python Application for STXM Data Collection Using Qt, Bluesky and EPICS

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PySTXM



- PySTXM is a Python application using Qt the application framework and as interacts with devices via Ophyd/EPICS
- PySTXM allows users to view the status of STXM endstation and beamline parameters, align the components on the beam axis, initiate scans and acquire data, present the data to the user as it is being acquired

Knowledgeable text edit fields

	Center Pos (um)	Range (um)	# Points	Step (um)	
x	12	2375.430	25	 95.017	
Y	-104.550	2289.920	25	91.597	



Smart text edit fields:

- Color
- Snap back to initial value if focus changed
- Int/Float validation

Limit values entered to the soft limits of that positioner

- ole to Detector Z 950.000
- Data files are written using the **nxStxm** lacksquareNexus definition

Easy Access to Data and Metadata





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