

1. Supported Detectors

Description of detectors supported by the department - specs, description, deployment, calibration , default register settings, etc. Link to trackers?

Detector inventory and location. Last updated: **5/29/2024**

n o.	Detector	config	no.	location	note	Serial ID	Gain calibrated?
ePix10k							
1	ePix10ka	front	28	ASC			
2	ePix10ka	front	27	CXI			
3	ePix10ka	side (1mm Si)	36	ASC			
4	ePix10ka	front	31	TID	Marginal detector. For development, not operations (in Xavier's drawer)		
5	ePix10k Quad		Q6	UED	360Hz detector.		
6	ePix10k Quad		MEC Q0	MEC		All module IDs	
7	ePix10k Quad		MEC Q1	MEC		All module IDs	
8	ePix10k Quad		MEC Q2	MEC		All module IDs	
9	ePix10k Quad		MEC Q3	MEC		All module IDs	
10	ePix10k Quad		MEC Q4	ASC		All module IDs	
11	ePix10k Quad		MEC Q5	ASC		All module IDs	
12	ePix10k 2M.0		0	XCS		All module IDs	
13	ePix10k 2M.1		1	ASC		All module IDs	
ePix100							
14	ePix100	side	34	TID	never worked?		
15	ePix100	front	30	ASC		3925999620-171598081-1879048214-1794135040-1745668107-2998264677-2181038105	
16	ePix100	front	25	ASC		3925999620-1000686337-1174405130-3104330752-0681854067-2671186177-3472883735	Yes
17	ePix100	front	12	XPP		3925999620-1000248321-4076863498-1794137088-0410306571-2402454273-0067108888	Yes
18	ePix100	front	11	MEC		3925999620-0996663297-3791650826-1232098304-0953206283-2655595777-0520093719	
19	ePix100	front	10	ASC		3925999620-0996513537-2080374794-1794135040-0940361739-2398406657-0419430424	
20	ePix100	front	9	ASC		3925999620-0996432897-3590324234-1232100352-1154532875-2654088449-0033554455	
21	ePix100	front	8	MFx		3925999620-0996579585-0553648138-1232098304-1221641739-2650251521-3976200215	
22	ePix100	front	7	MEC		3925999620-0999521281-2533359626-1794137088-1745668107-2398940417-2046820376	
23	ePix100	front	5		perhaps MEC? Can't find last use.	3925999620-0997249025--0570425354-0629691392-0337412451-2397900801-4076863512	
24	ePix100	front	4	MFx		3925999620-0998275585-0385875978-1232100352-0416335371-2654033921-1056964631	
25	ePix100	side	S1		missing 😞	3925999620-1000144641-1258291210-0629693440-0611090787-2995437313-0973078553	Yes
26	ePix100	side	S2	XCS		3925999620-0997117953-4227858442-1794137088-0403490827-2403244545-1224736792	Yes
Jungfrau							
27	JF0.5M			ASC			
28	JF1M			XPP			
29	JF4M			CXI			

RIXS-CCD							
30	RIXS-CCD			RIXS	STA52000 SN31201		
31	RIXS-CCD			ASC	STA52000 SN31179		
CSPAD							
32	CSPAD 2M			CXI			
Prototypes							
33	ePix10ka	front	42	ASC	non-ghosting prototype		
34	ePix10kaN	front	26	ASC	GaAs		
35	ePix10kaN	front	??	TID	CdZnTe		
36	ePix10kaN	front	Ge2	ASC	Ge2. Only modules. This module has the H pattern on the ASIC outside the sensor.		
37	ePix10kaN	front	??	TID	Ge		
38	ePix10kaN	front	??	TID	Ge		
39	ePixHR	front	H01	ASC	ASIC v4.	can hold full bias. Partially connected sensor	
40	ePixHR	front	no etch	ASC	ASIC v4.	fill sensor connected, can only hold bias to 80V	
41	ePixM	side		ASC			
42	ePix250S	front	22	ASC			