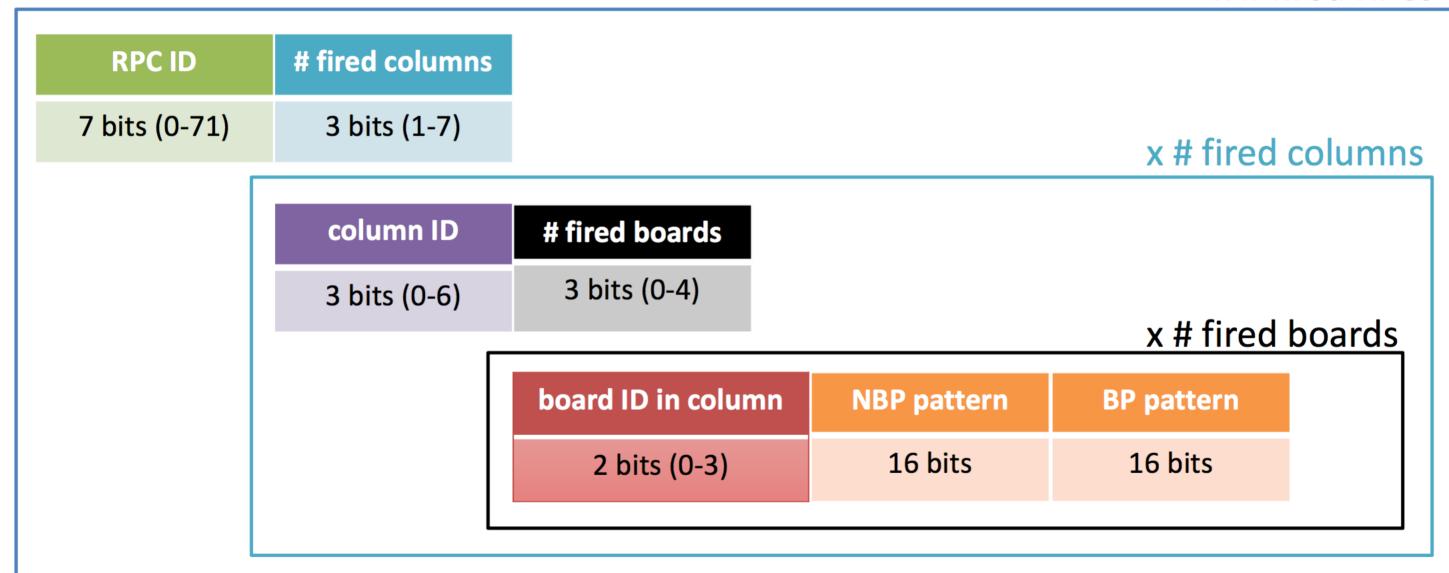


8300 Read-out Links Input: 250 ports Output: 1500 ports

1500 x 60MB/s

7 bits (0-72)

x # fired RPCs

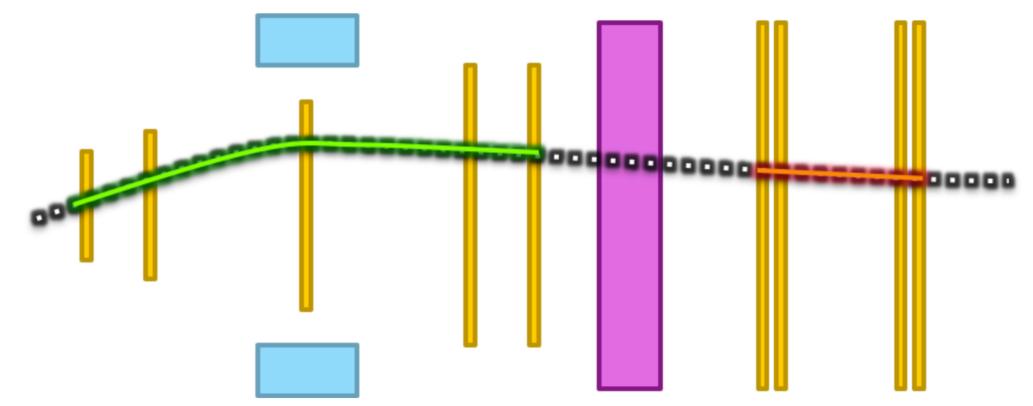


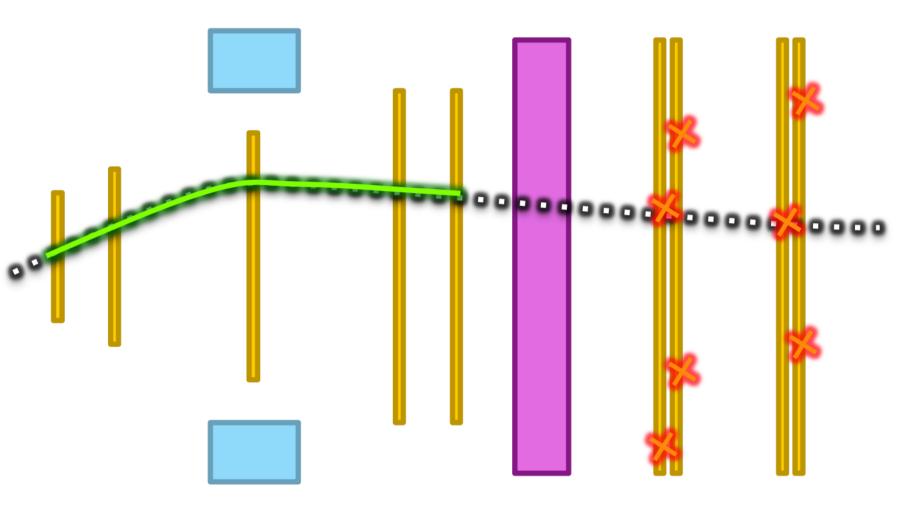
of fired RPCs

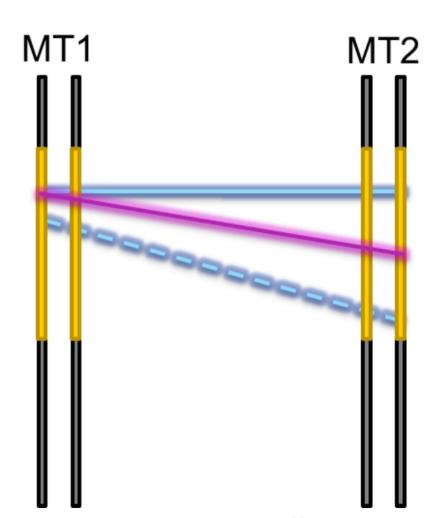
7 bits (0-72)

x # fired RPCs

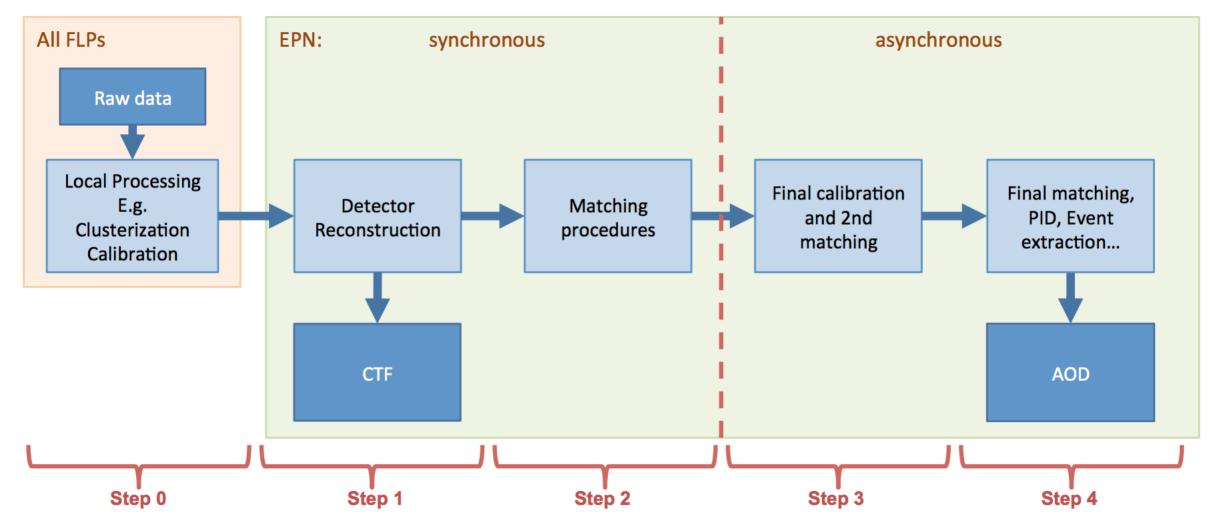
3 bits (1-7)			x # fired
column ID	NBP pattern	# fired boards	
3 bits (0-6)	16 bits	3 bits (0-4)	
			x # fired
		board ID in column	BP pattern
		2 bits (0-3)	16 bits
	column ID	column ID NBP pattern	column ID NBP pattern # fired boards 3 bits (0-6) 16 bits 3 bits (0-4) board ID in column

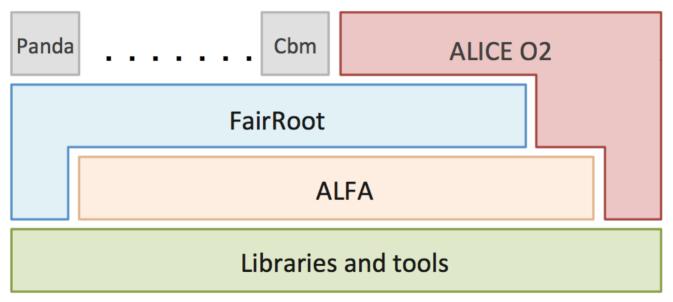


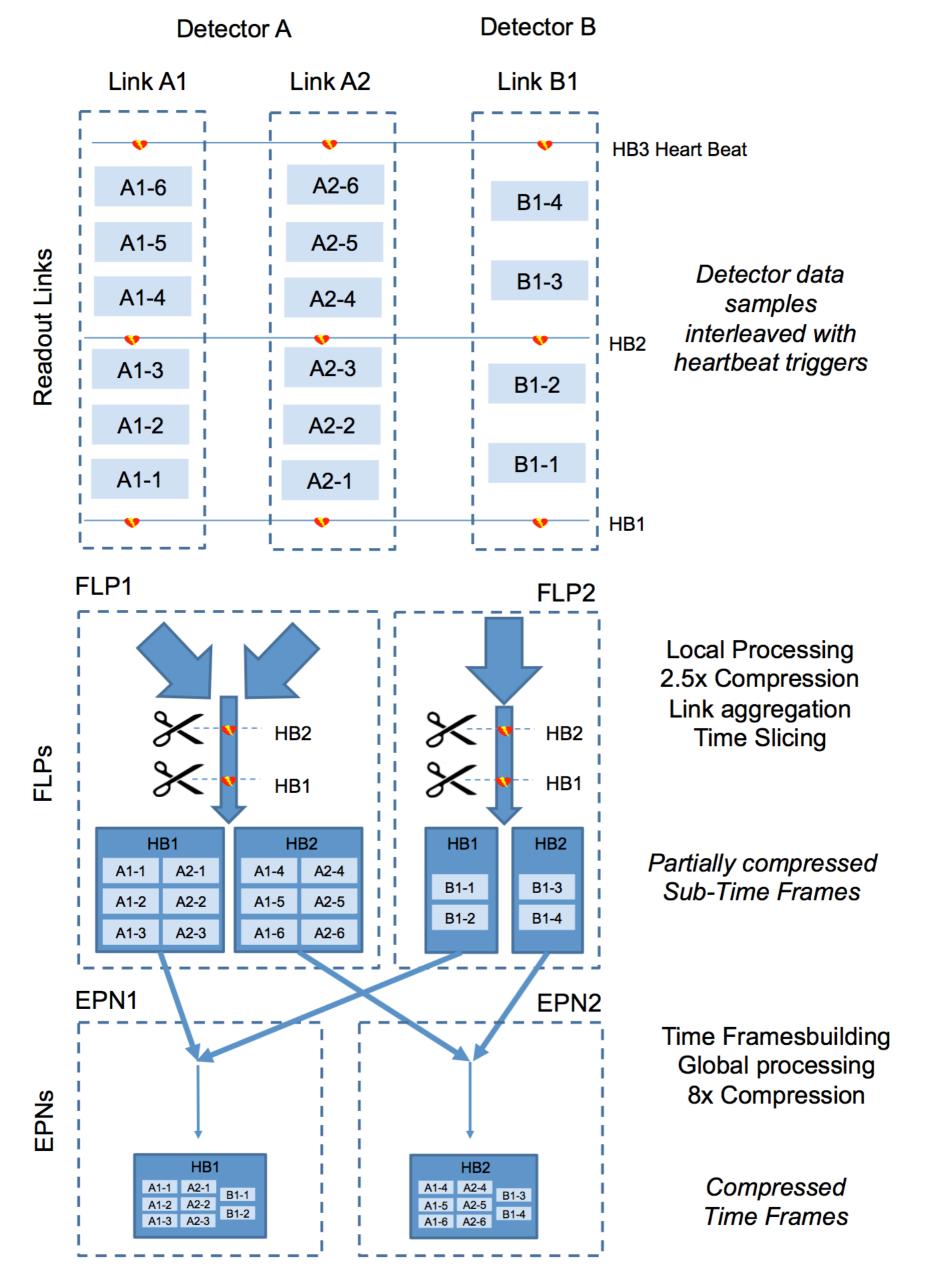




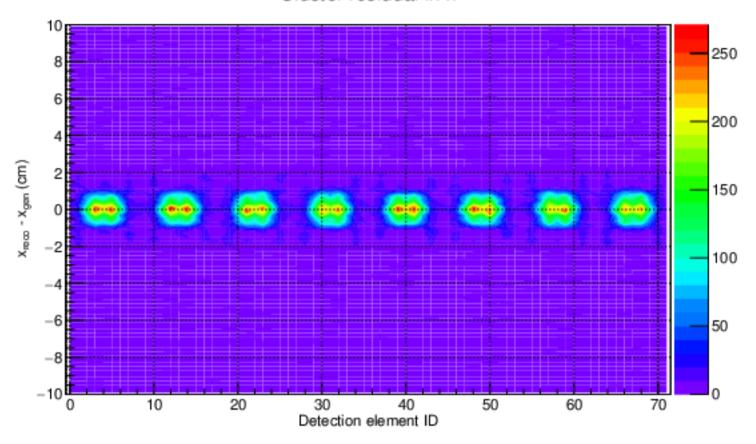
Detectors electronics Continuous and triggered streams of raw data Readout, split into Sub-Time Frames, and aggregation Local pattern recognition and calibration Local data compression **Quality control Compressed Sub-Time Frames** Data aggregation Synchronous global reconstruction, calibration and data volume reduction Quality control **Compressed Time Frames** Data storage and archival **Compressed Time Frames** Reconstructed events Asynchronous refined calibration, reconstruction **Event extraction Quality control**



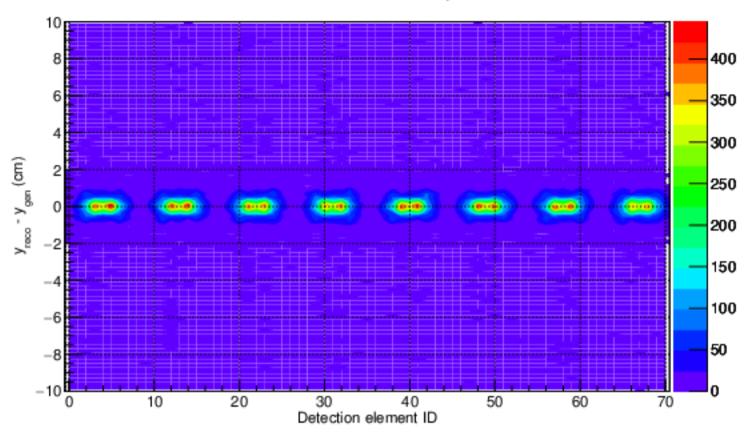


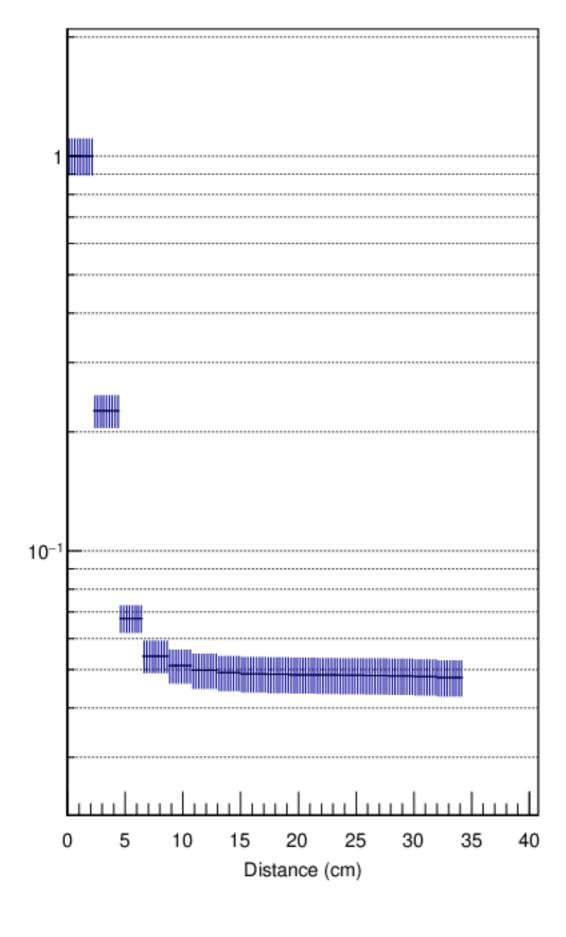


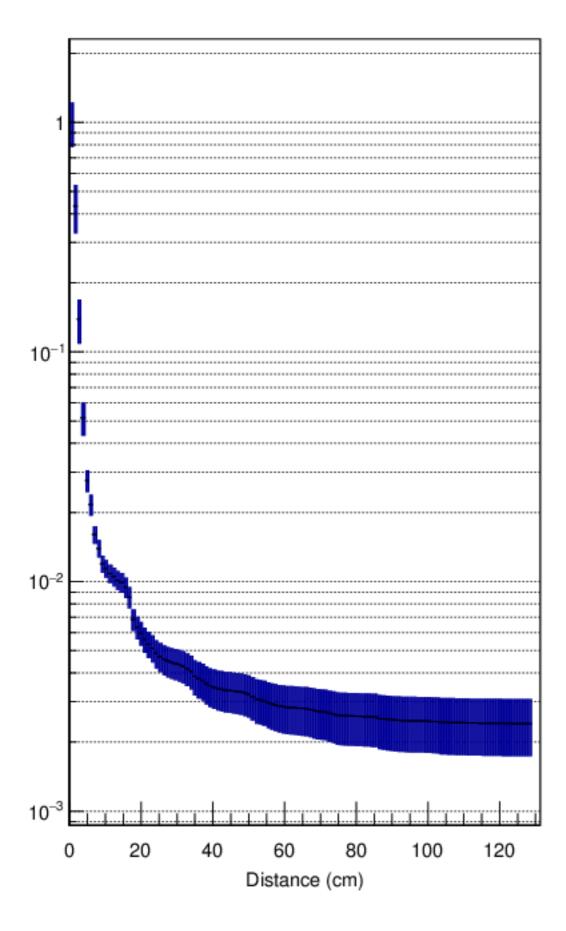
Cluster residual in x

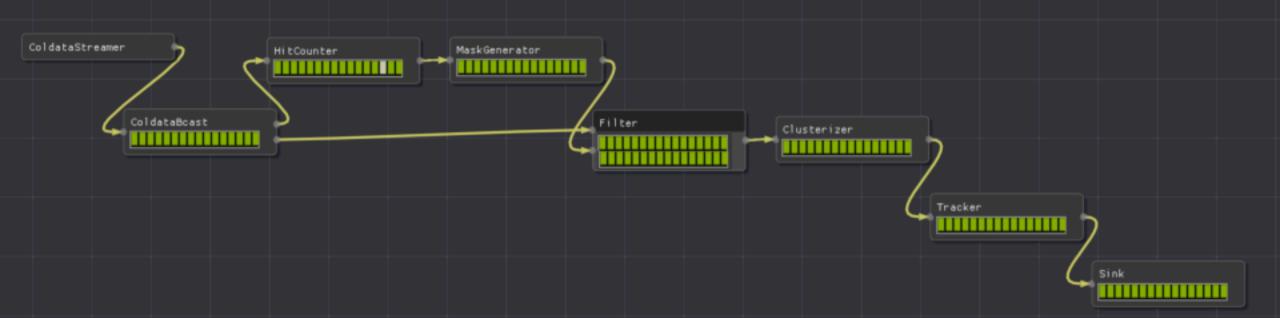


Cluster residual in y

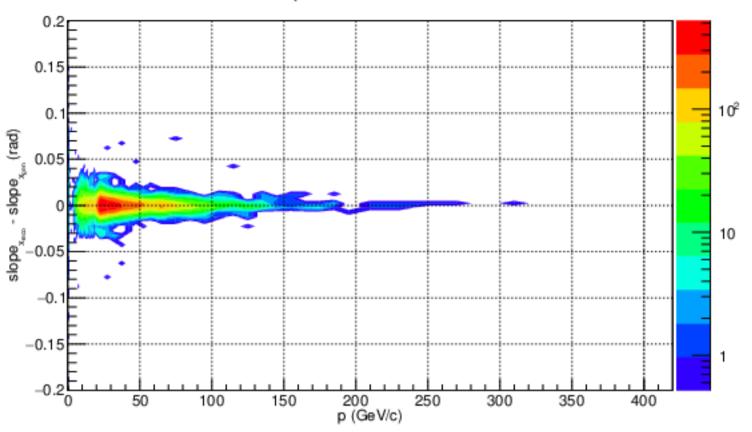




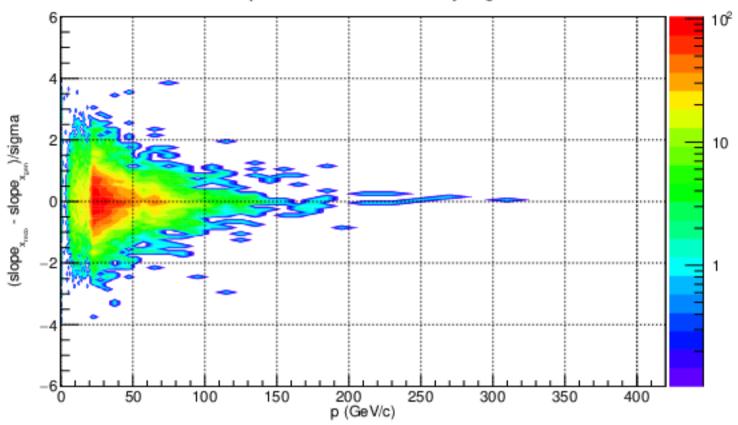




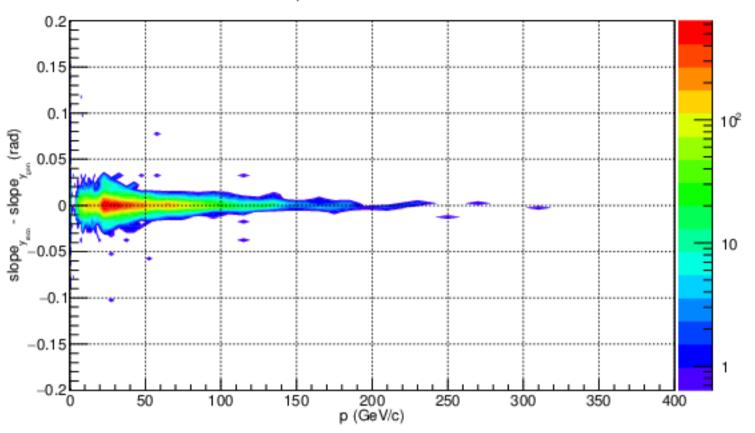
X slope residuals

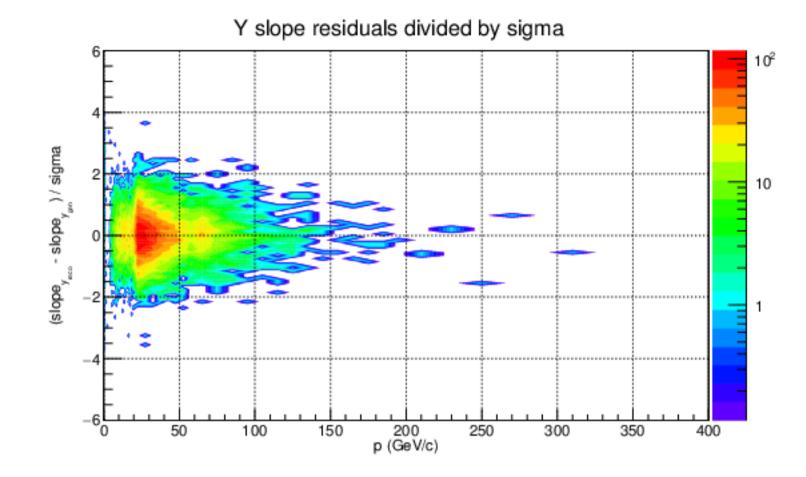


X slope residuals divided by sigma



Y slope residuals





Track residual in x

