

MUTOM

Alignment information

Distances in millimeters, angles in degrees

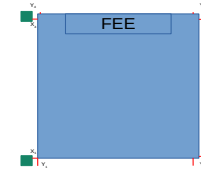
The planes centers are calculated with respect to a reference frame based on the movable structure:

the xy-origin is the movable structure geometrical center

the z-origin is the bottom plane

the xy-axes are paralel to the movable structure sides

the y-axis points in the direction opposite to the FEE



August 2020 - March 2021

RPC	side 1000		Corner 1		Corner 2		Corner 3		Corner 4		Center			Rotation ϕ (about z)
	#convention1	#convention2	$ \Delta X = X1$	$ \Delta Y = Y1$	$ \Delta X = X2$	$ \Delta Y = Y2$	$ \Delta X = X3$	$ \Delta Y = Y3$	$ \Delta X = X4$	$ \Delta Y = Y4$	X	Y	Z	
strips	0	4	0	16	14,5	14,7	12,8	3,4	2	3,8	6,3	-5,9	983,4	-0,1
corepix (top)	1	3	6,8	17,5	9	16,2	5,7	3,2	9,2	2,3	-0,3	-7,1	666	-0,1
corepix (middle)	2	2	5	19,7	10,6	19,2	10,4	0	4,2	0,4	3,0	-9,6	334	0,0
corepix (bottom)	3	1	11,1	15	5	17,2	6,2	3,2	8	4,5	-2,0	-6,1	0	0,1