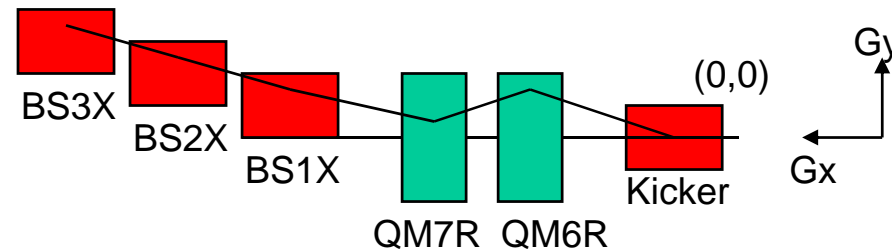


# Alignment of Septum Region for ATF2



		Present		Ideal(ATF2)		Difference		
		Gx[m]	Gy[m]	Gx[m]	Gy[m]	DGx[m]	DGy[m]	D[m]
BS1X	in	3.399985	2.27e-2	3.4	0.022685	-1.5e-5	2.055e-5	2.5442e-5
	out	3.999896	3.18e-2	3.999918	0.031364	-2.2e-5	0.0004354	4.3595e-4
BS2X	in	4.199811	3.76e-2	4.199836	0.037059	-2.5e-5	0.0005746	5.7516e-4
	out	4.997867	9.07e-2	4.997929	0.089533	-6.2e-5	0.0011271	1.1288e-3
BS3X	in	5.196797	0.111327	5.196873	0.110062	-7.6e-5	0.001265	1.2673e-3
	out	6.170225	0.330057	6.170452	0.328118	-0.000227	0.001939	1.9522e-3

Incident angle to BS1X: 1.140mrad(ext11), 0.4472mrad(ideal)

In Table, 'Present' means ext11 which is thought to be used in present alignment, while 'Ideal' is the

results of calculation using present setting of DR Qs and correct Kicker path length.

Is it possible to align as 'Ideal'? Is it possible to move the septum magnet by 2mm at maximum?

Need to change the ATF2 deck according to the answer.