

Beam position at BC, Target Part 2.

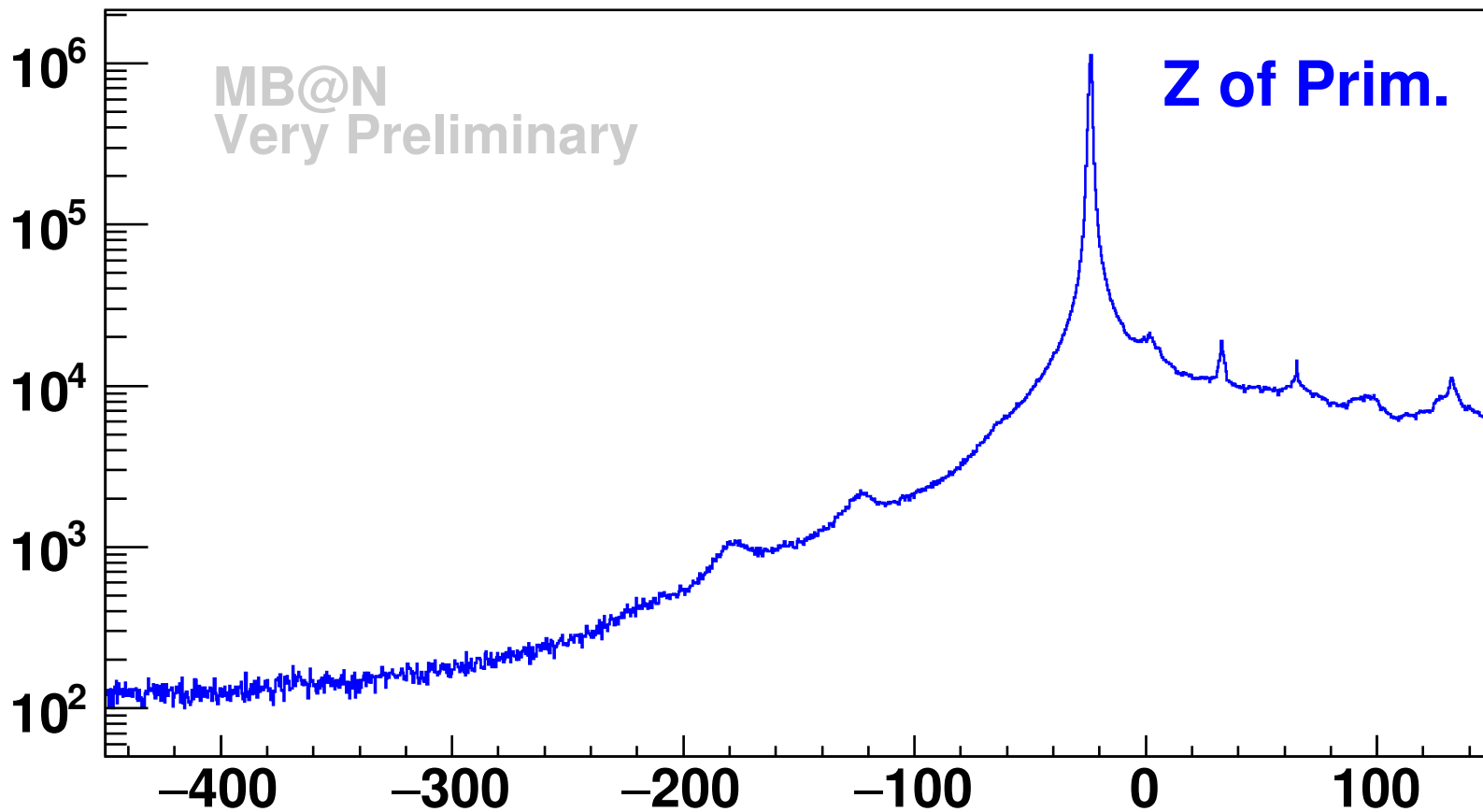
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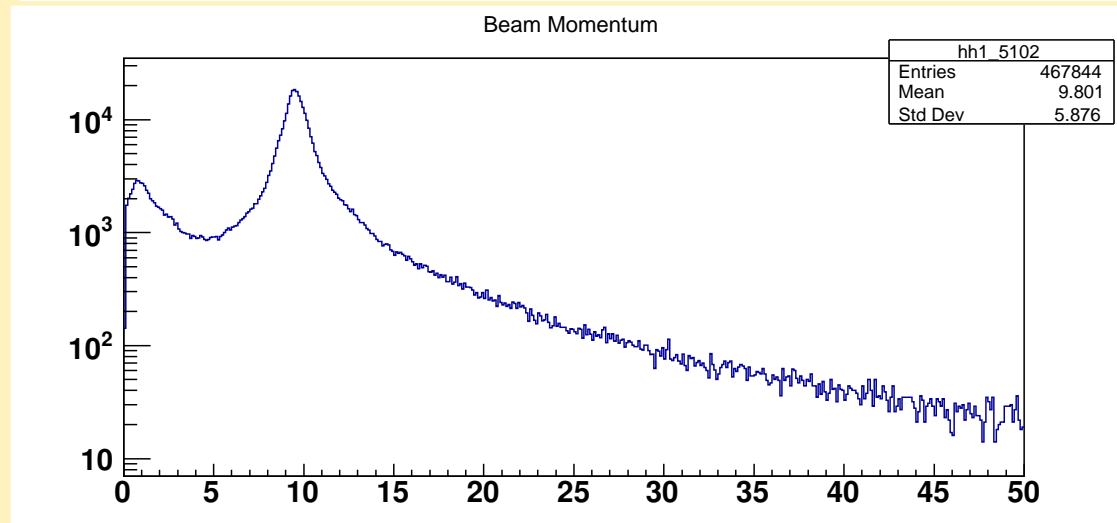
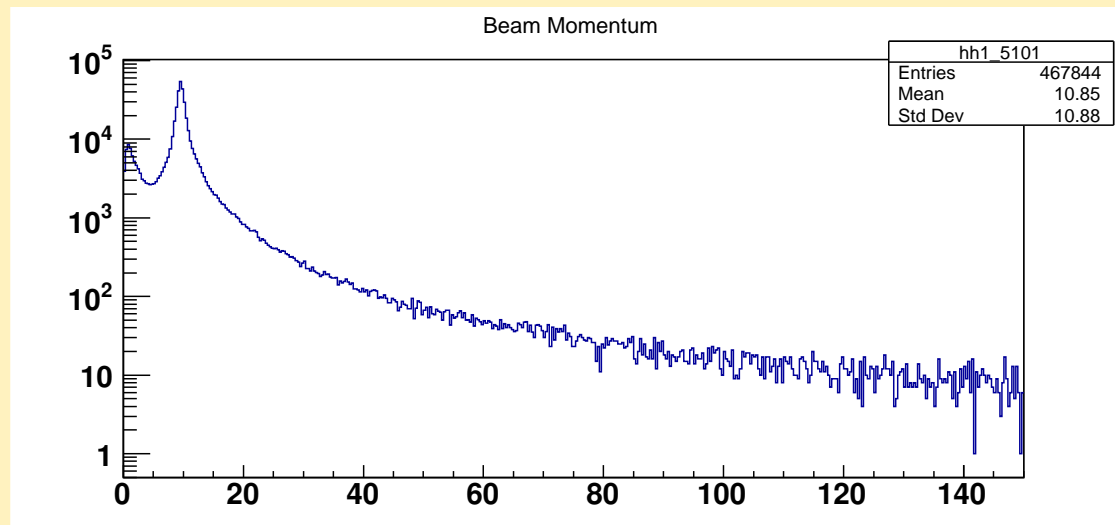
November 15, 2020



Z of Primary vertex position.

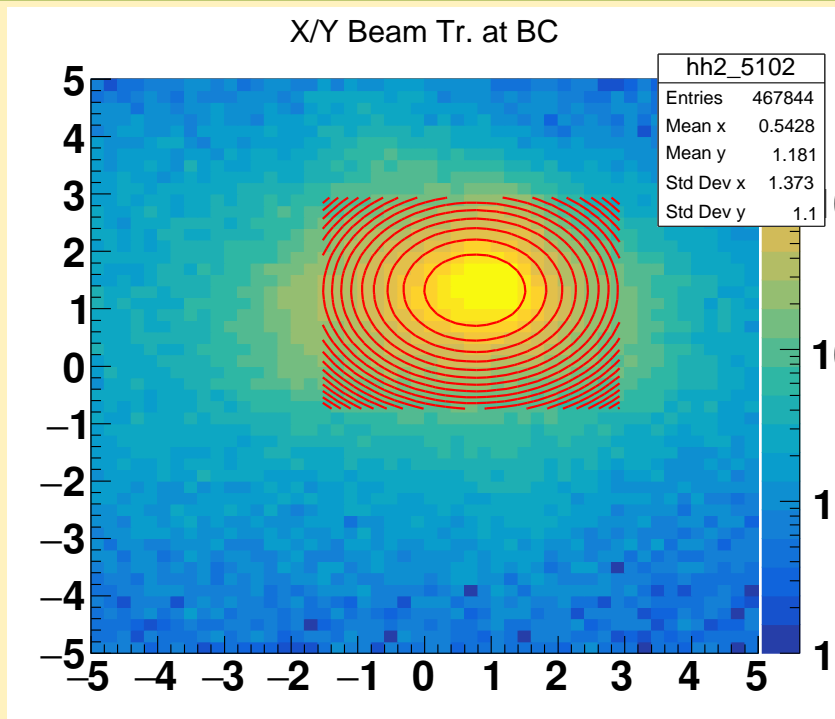
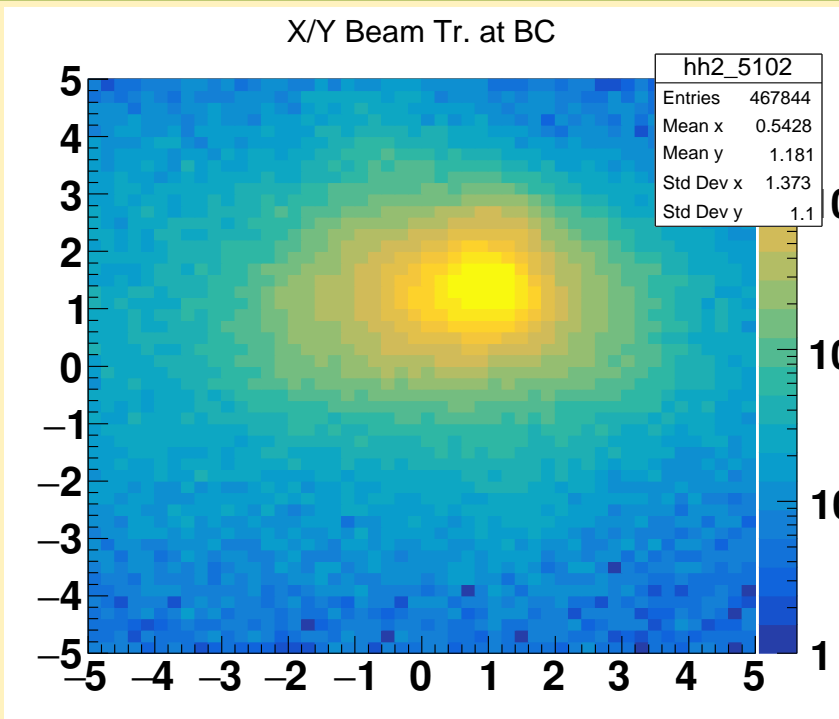


Beam Momentum, Beam Data.



Momentum of the beam track - only one track in the event.

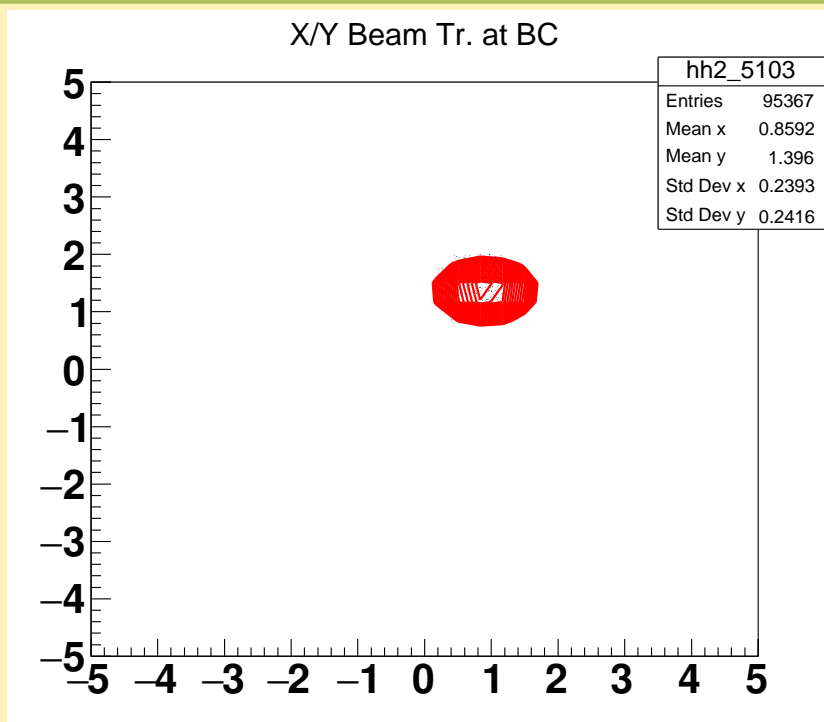
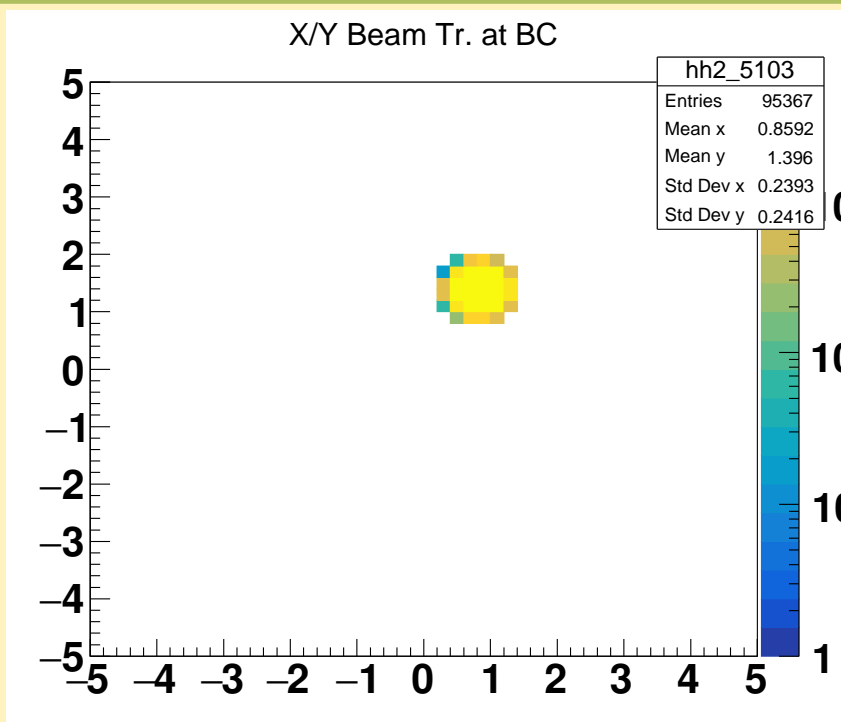
Beam position at BC (-123cm). Beam Data.



Beam position at BC.

NO.	NAME	VALUE	ERROR
2	MeanX	7.54270e-01	1.59811e-03
3	SigmaX	7.62748e-01	1.73343e-03
4	MeanY	1.32518e+00	1.21246e-03
5	SigmaY	6.27186e-01	1.29709e-03

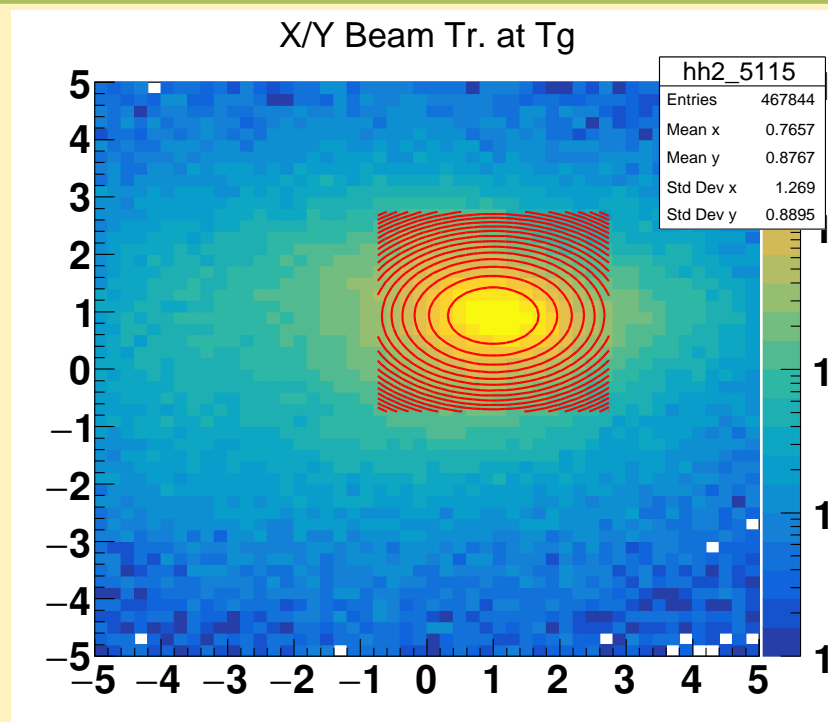
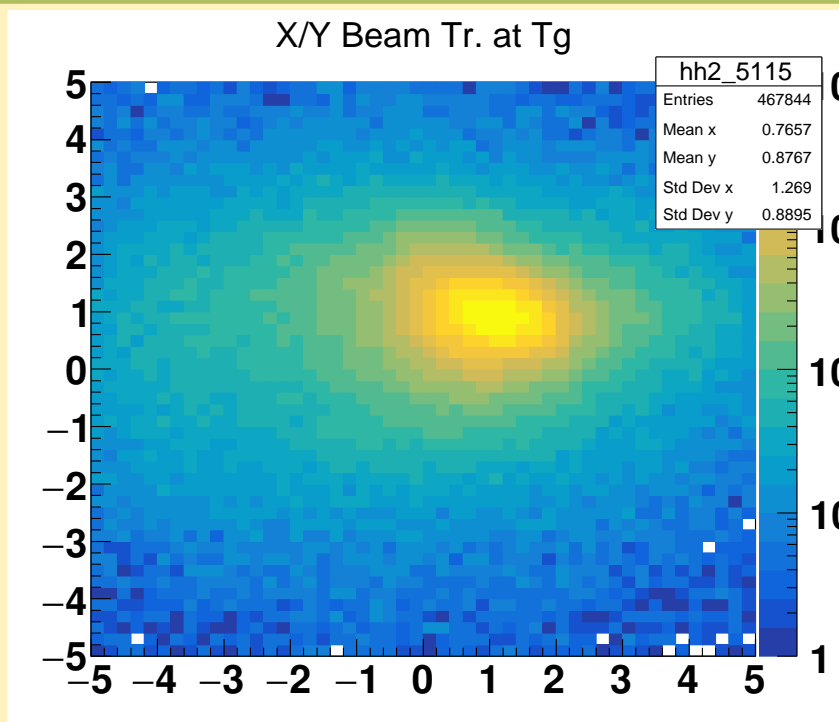
Beam position at BC (-123cm). Inside circle. Beam Data.



Beam position at BC. Devition from the peak is limited by 0.5cm. Control plot.

NO.	NAME	VALUE	ERROR
2	MeanX	9.10965e-01	1.32458e-04
3	SigmaX	1.89094e-01	5.64645e-04
4	MeanY	1.36449e+00	9.82043e-04
5	SigmaY	1.44154e-01	1.31750e+00

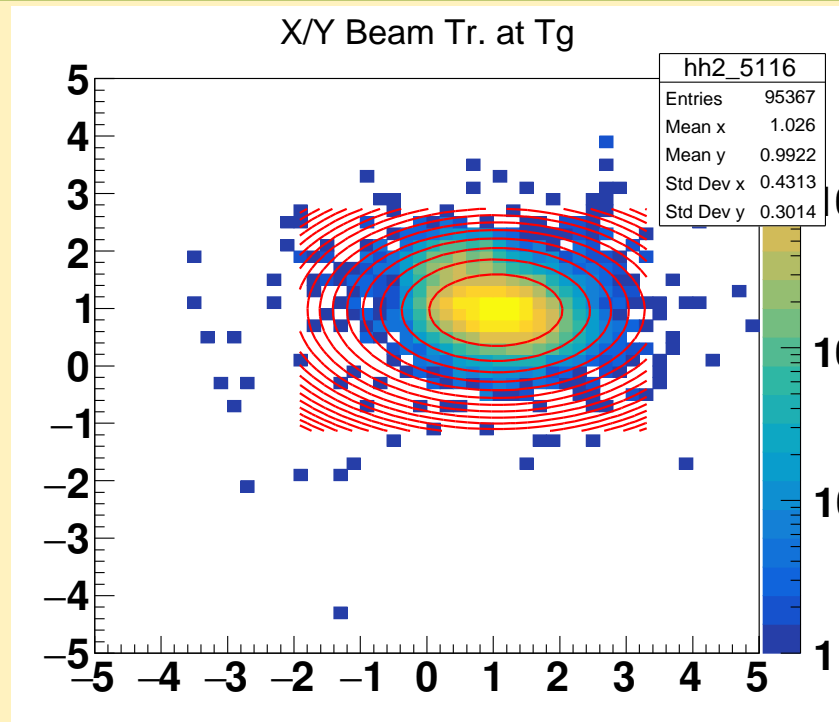
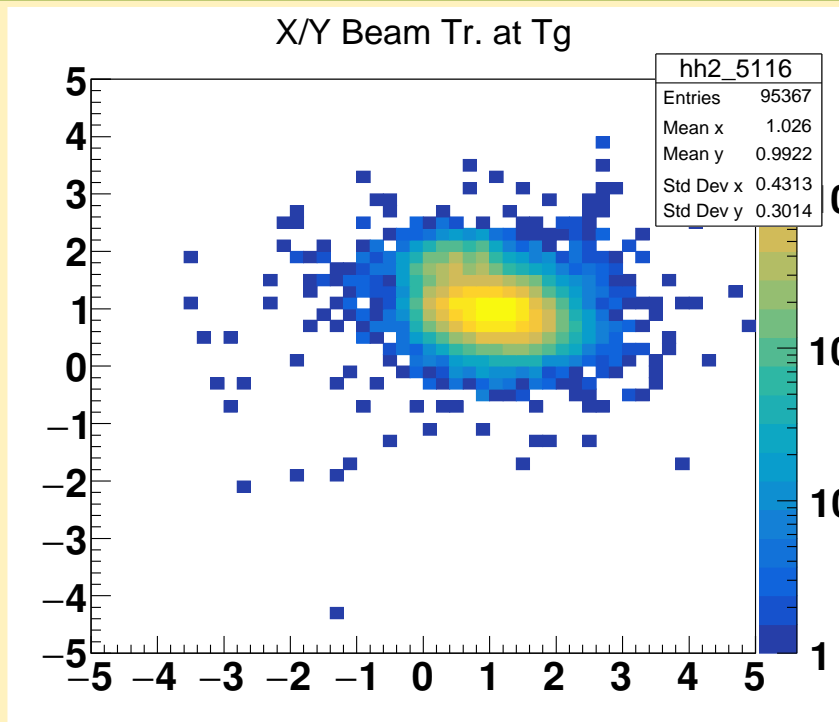
Beam position at TG (-21cm). Beam Data.



Beam position at Target (-21cm). There is no cut on beam position at BC.

NO.	NAME	VALUE	ERROR
2	MeanX	9.97409e-01	1.18948e-03 4.38225e-06 -1.44081e-02
3	SigmaX	6.35638e-01	1.03063e-03 -2.83664e-07 6.77493e-02
4	MeanY	9.31275e-01	8.18148e-04 -3.71161e-07 -4.95889e-02
5	SigmaY	4.57628e-01	8.68018e-04 -1.94932e-06 6.16452e-03

Beam position at TG (-21cm). Beam Data.



Beam position at Target (-21cm). There is cut on beam position at BC ($\rho = 0.5cm$).

NO.	NAME	VALUE	ERROR
2	MeanX	1.03797e+00	1.42415e-03
3	SigmaX	3.95711e-01	9.32977e-04
4	MeanY	9.69902e-01	8.85585e-04
5	SigmaY	2.46662e-01	7.04670e-04