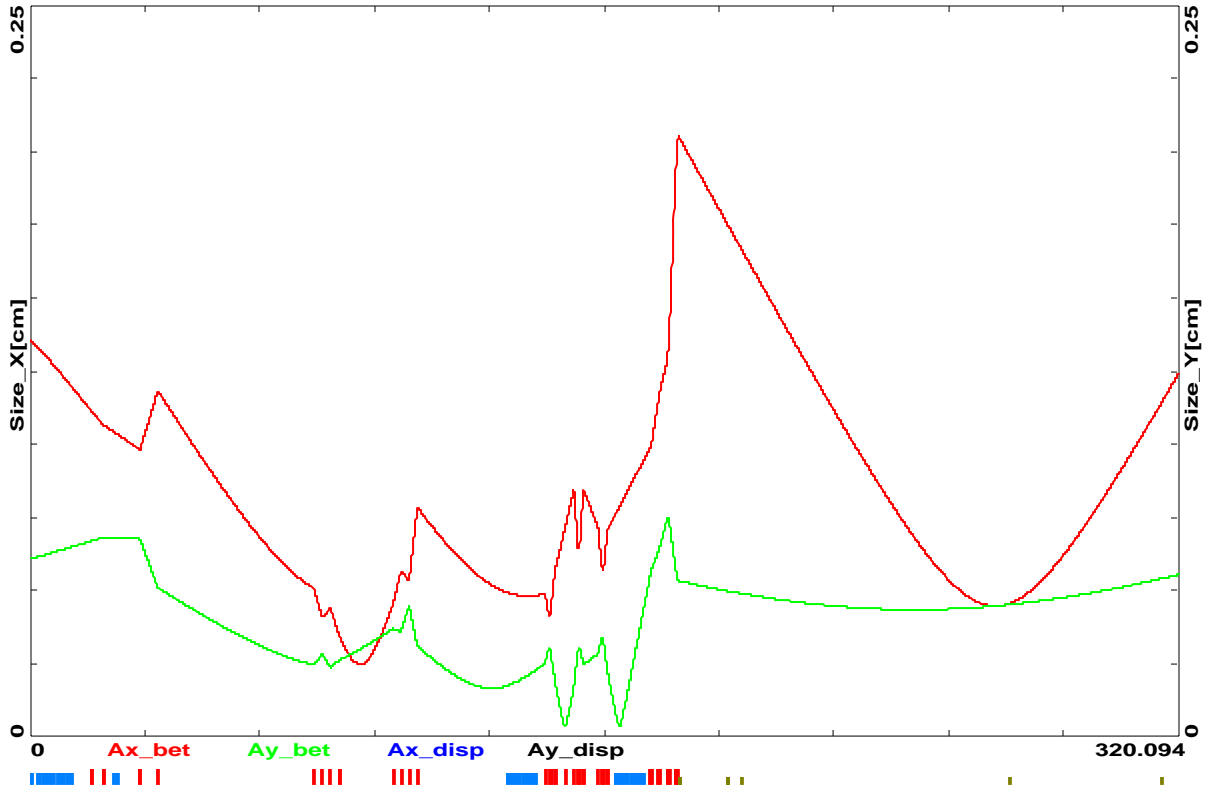
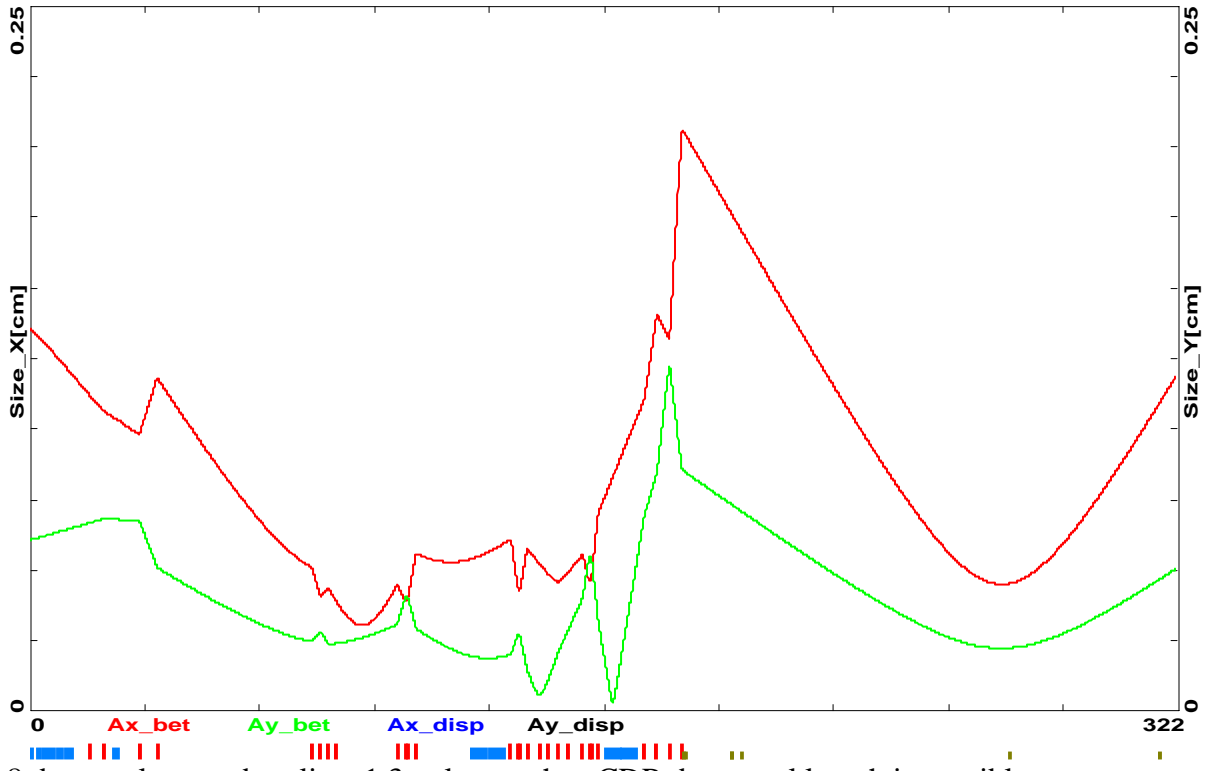


While waiting for harp data in the MCC I decided to produce the twenty plots from which I extracted maximum sizes in transport region and ramp. Since the final quadruplet has large bore quads in all cases to get a big spot on the radiator I didn't tabulate sizes after the last dipole.

On each of the following ten pages I give the CDR beam size plot at the top and the 8 degree beam size at the bottom. This 8 degree design is 1.3 m longer than the CDR design. That can be taken up in the drift before the first dipole in the ramp up.

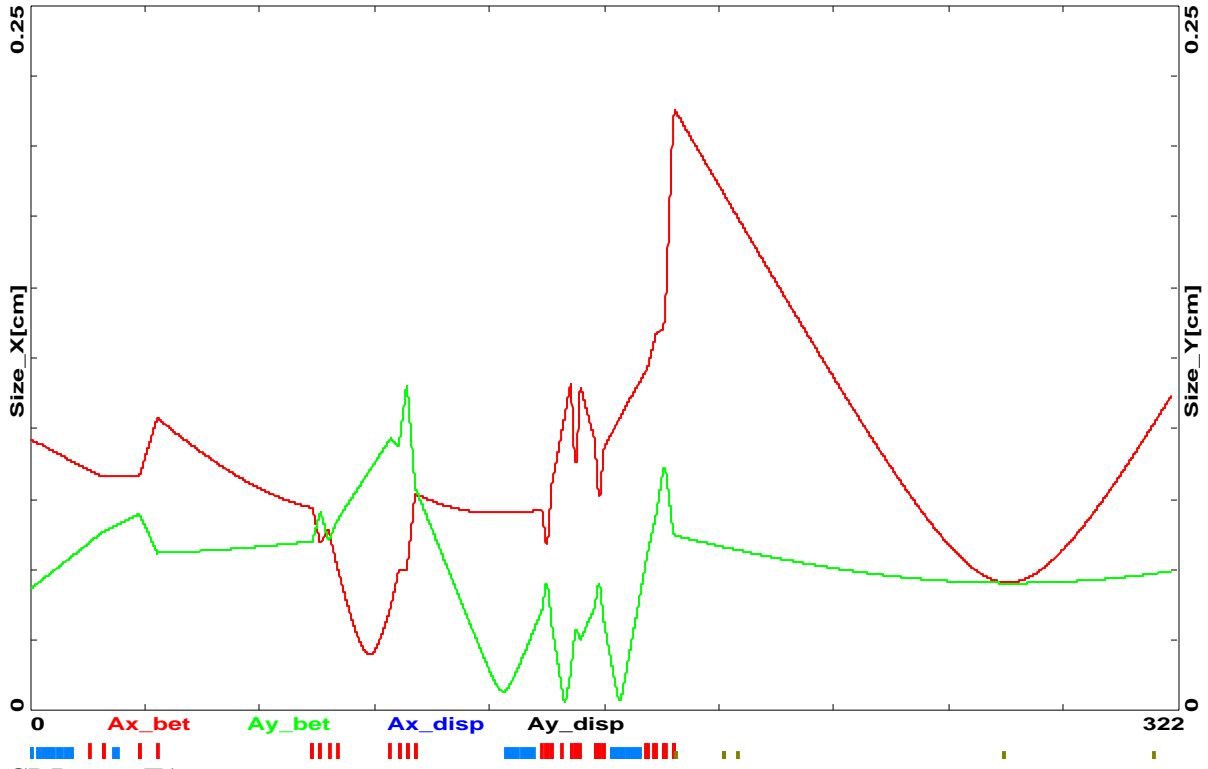


CDR baseline case

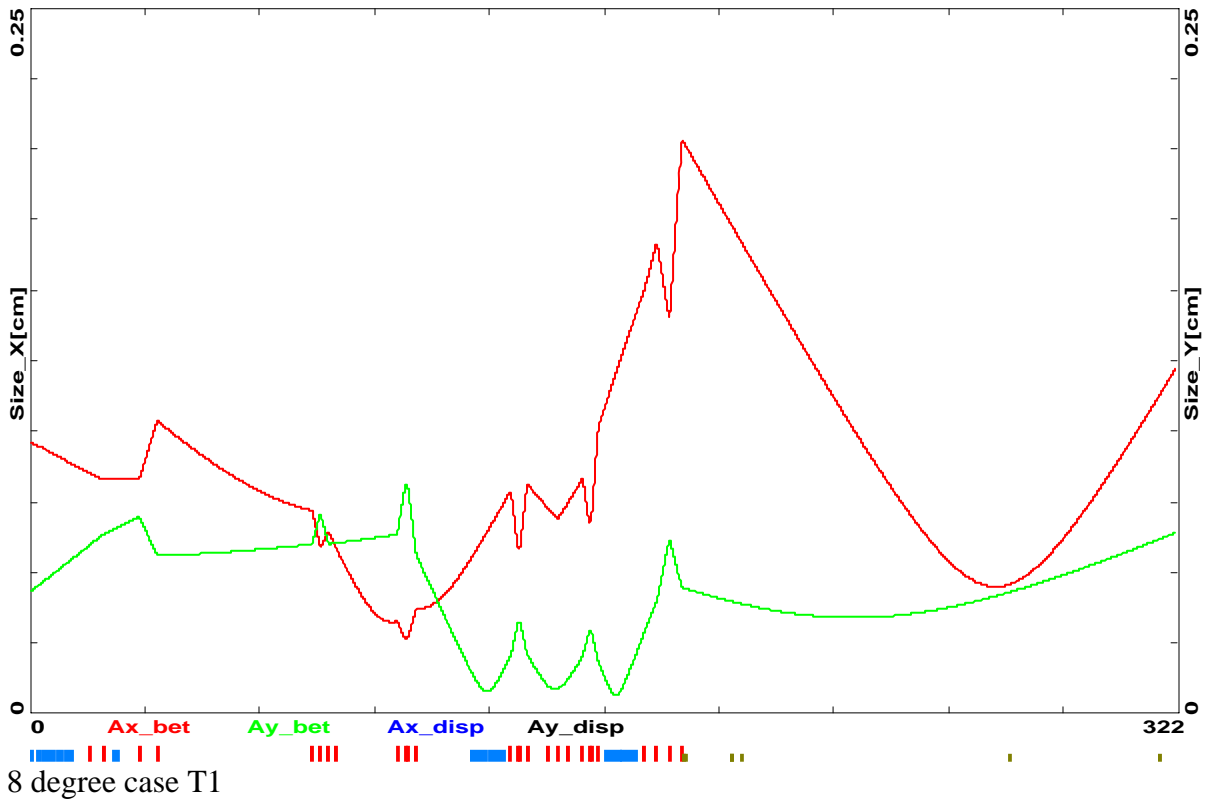


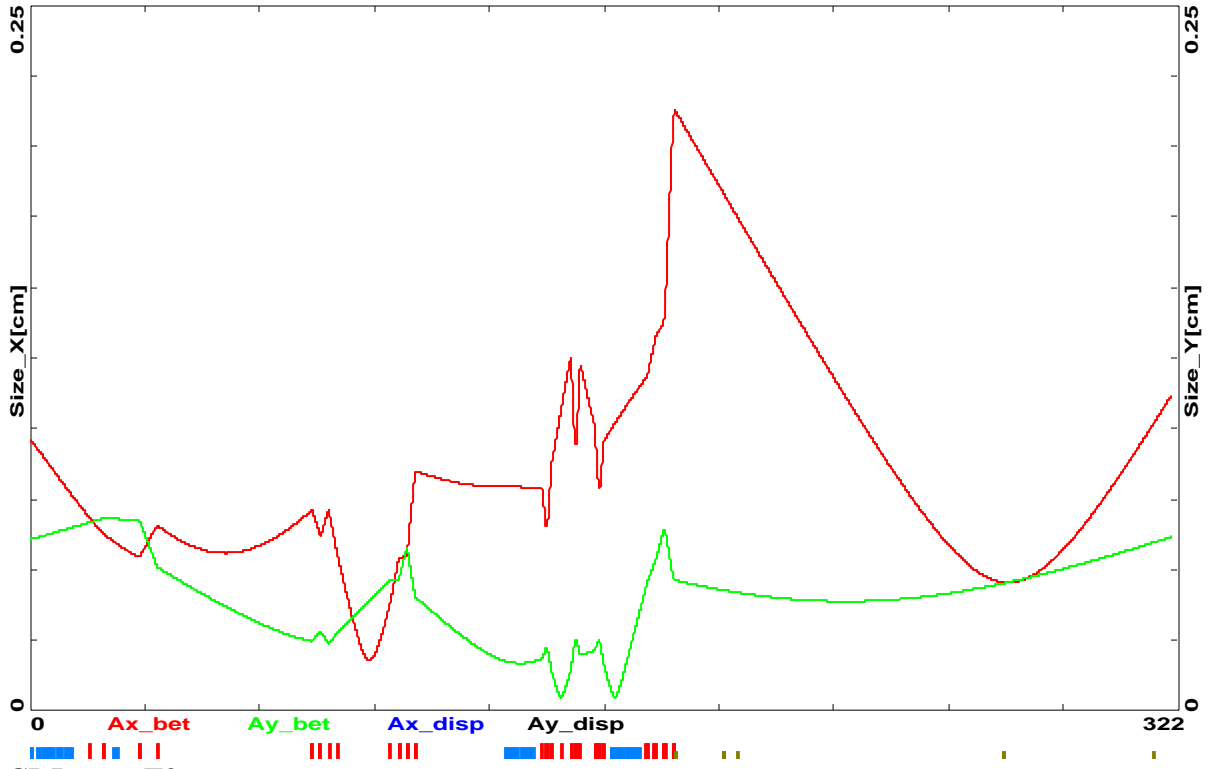
8 degree alternate baseline, 1.3 m longer than CDR, but equal length is possible.

Fri Sep 22 16:13:31 2006 OptiM - MAIN: - O:\optim\jfbwork\myopt\New_baseline\halID\input_vari

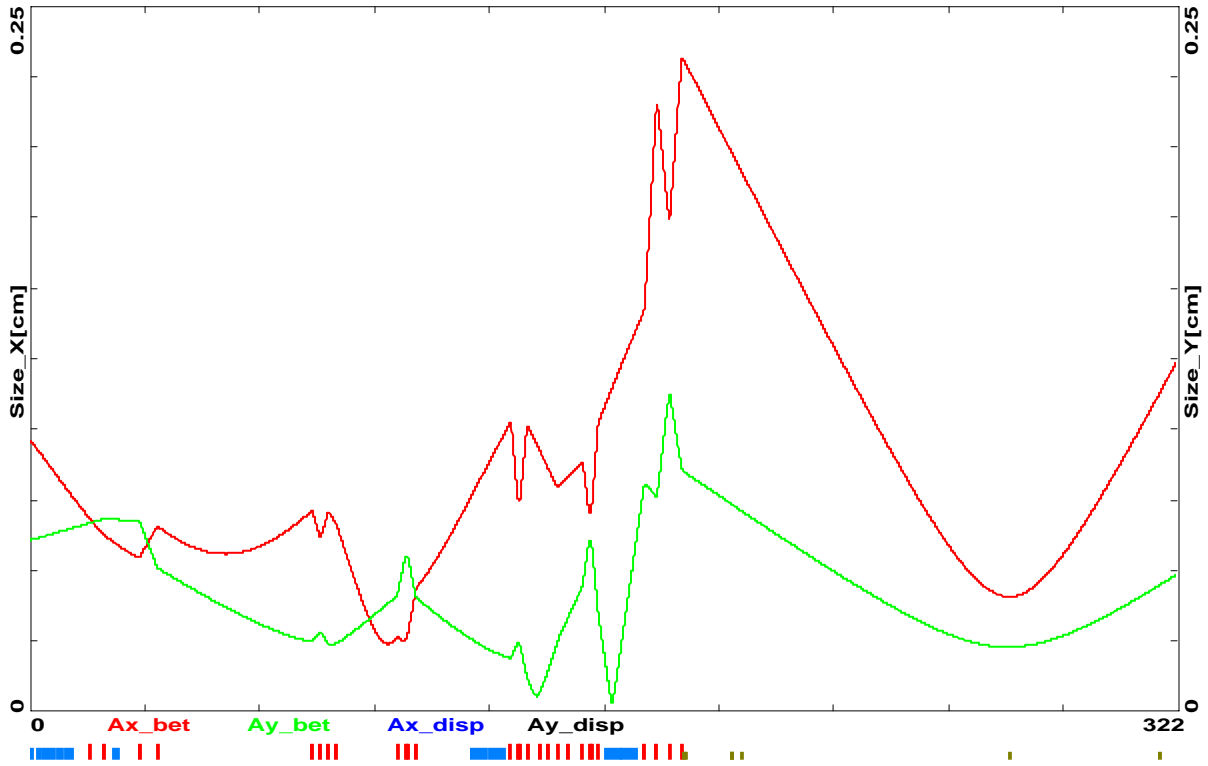


Fri Sep 22 16:14:16 2006 OptiM - MAIN: - O:\optim\jfbwork\myopt\New_baseline\halID\input_vari

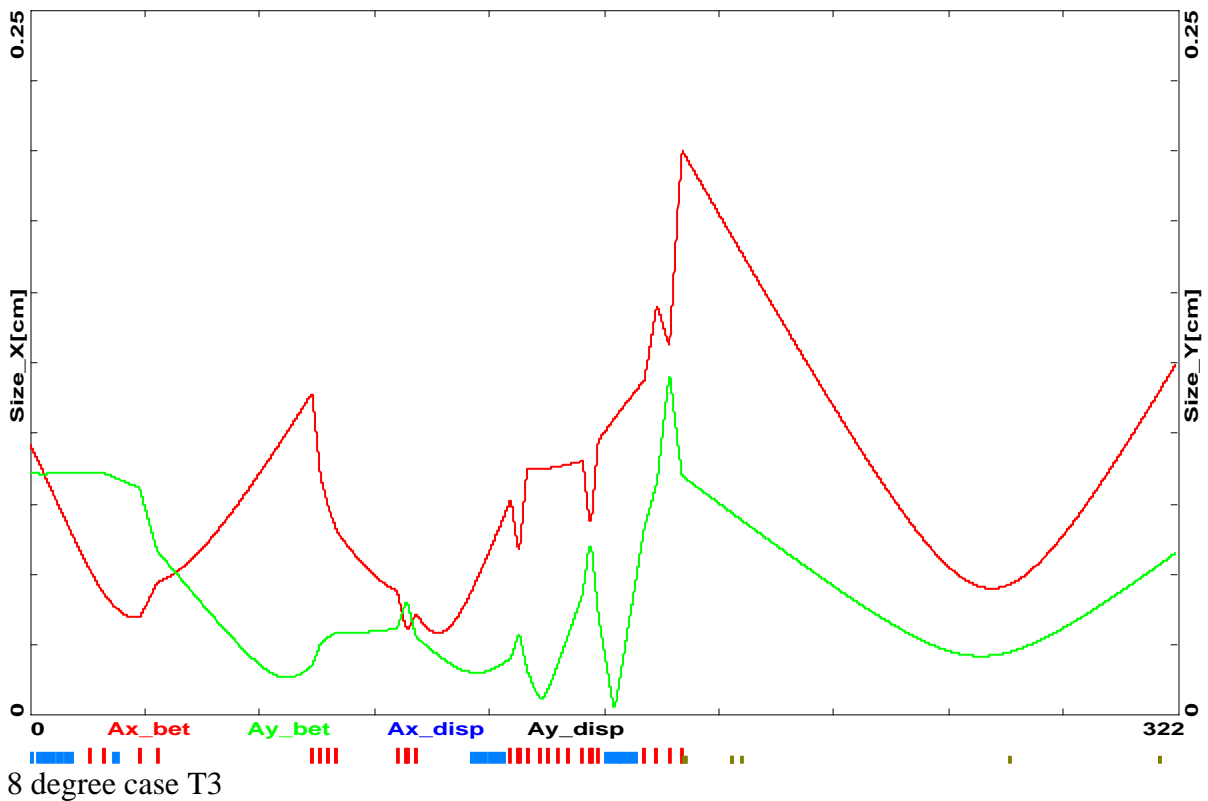
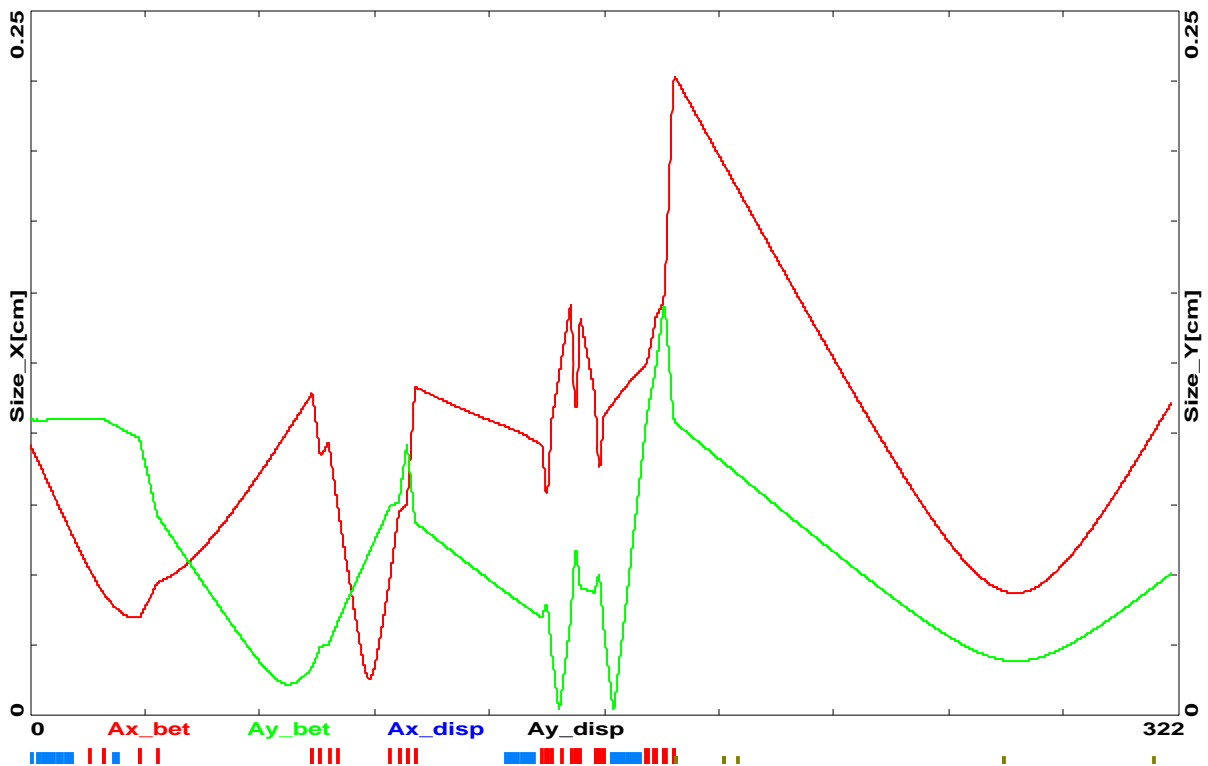


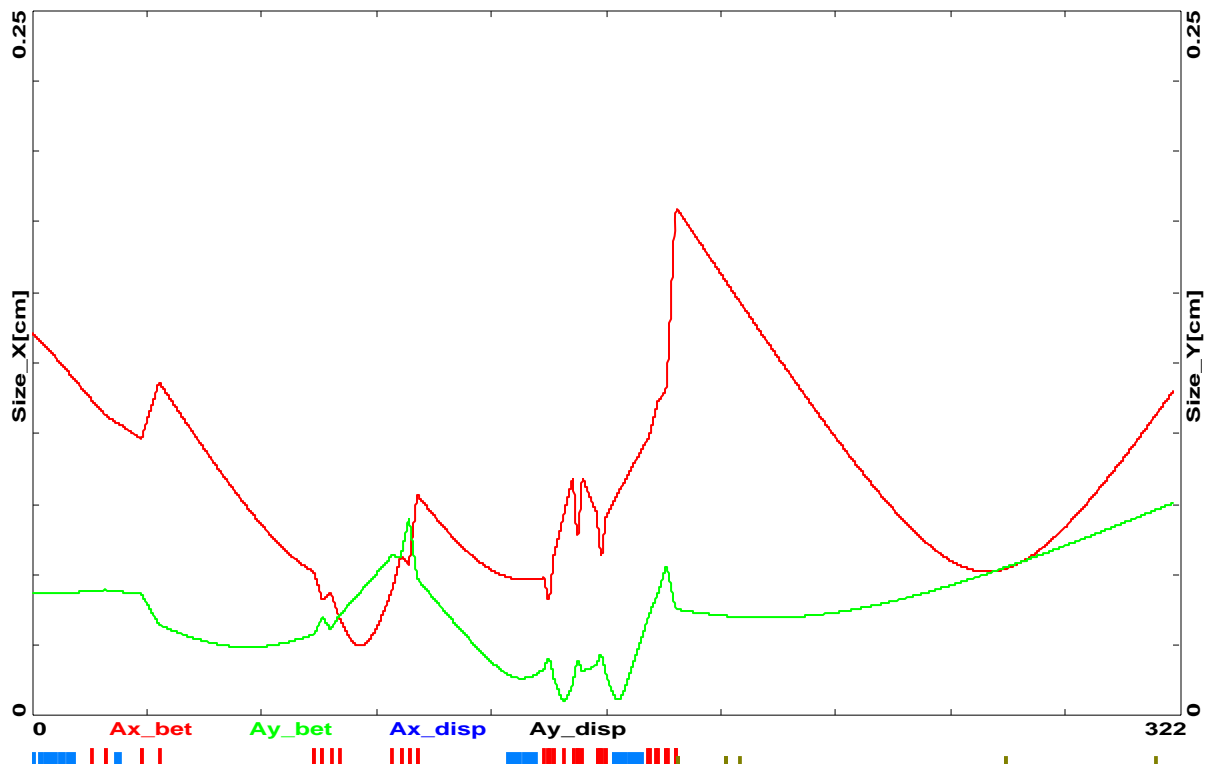


CDR case T2

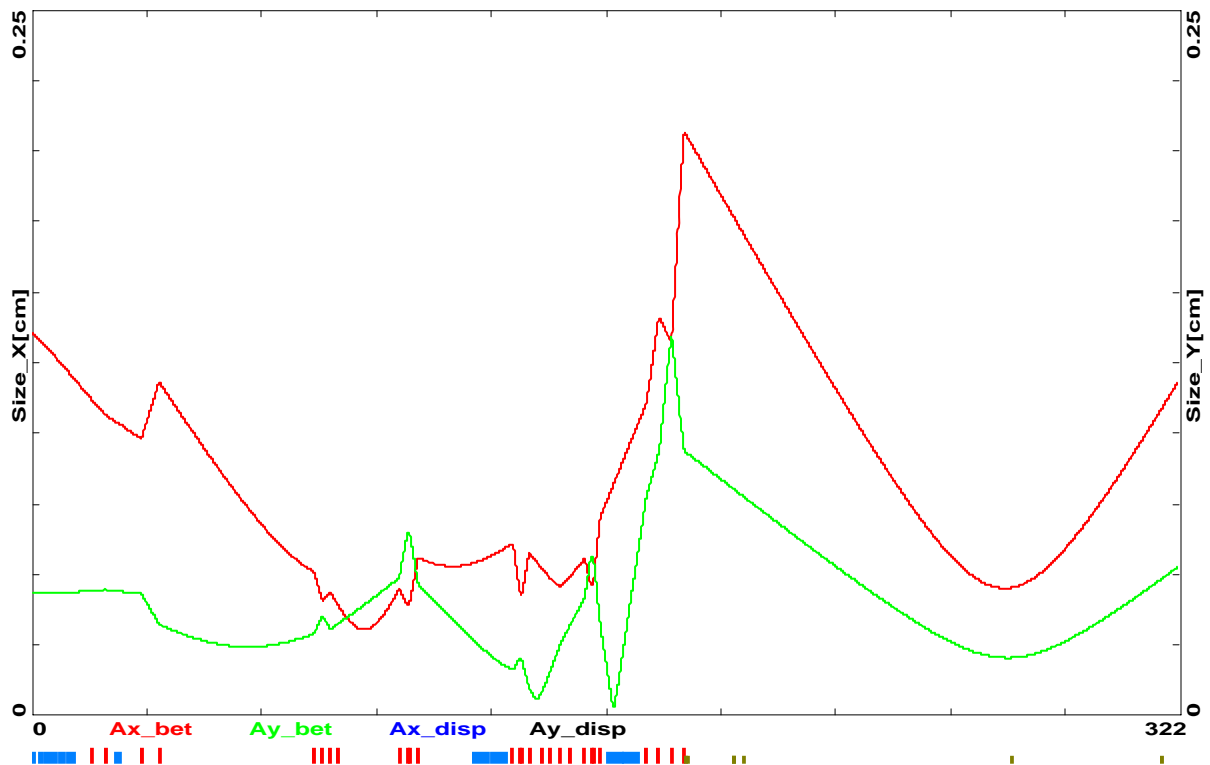


8 degree case T2

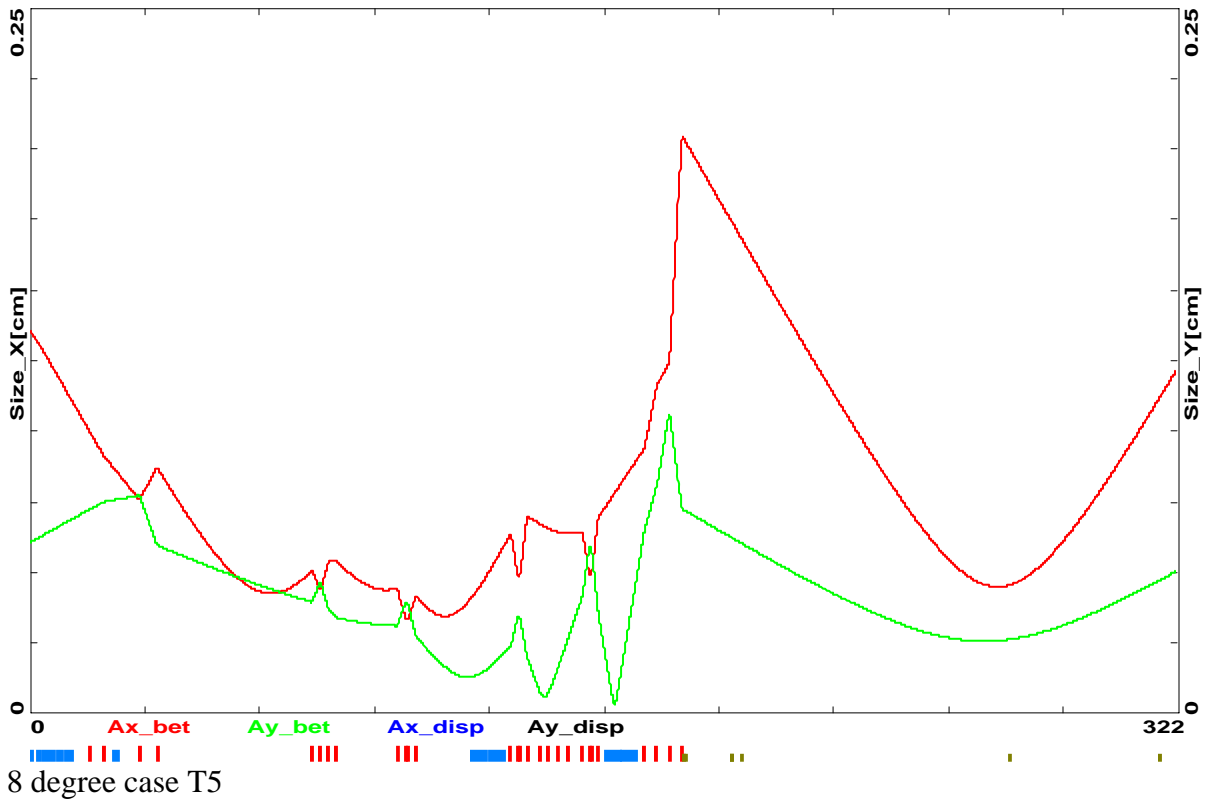
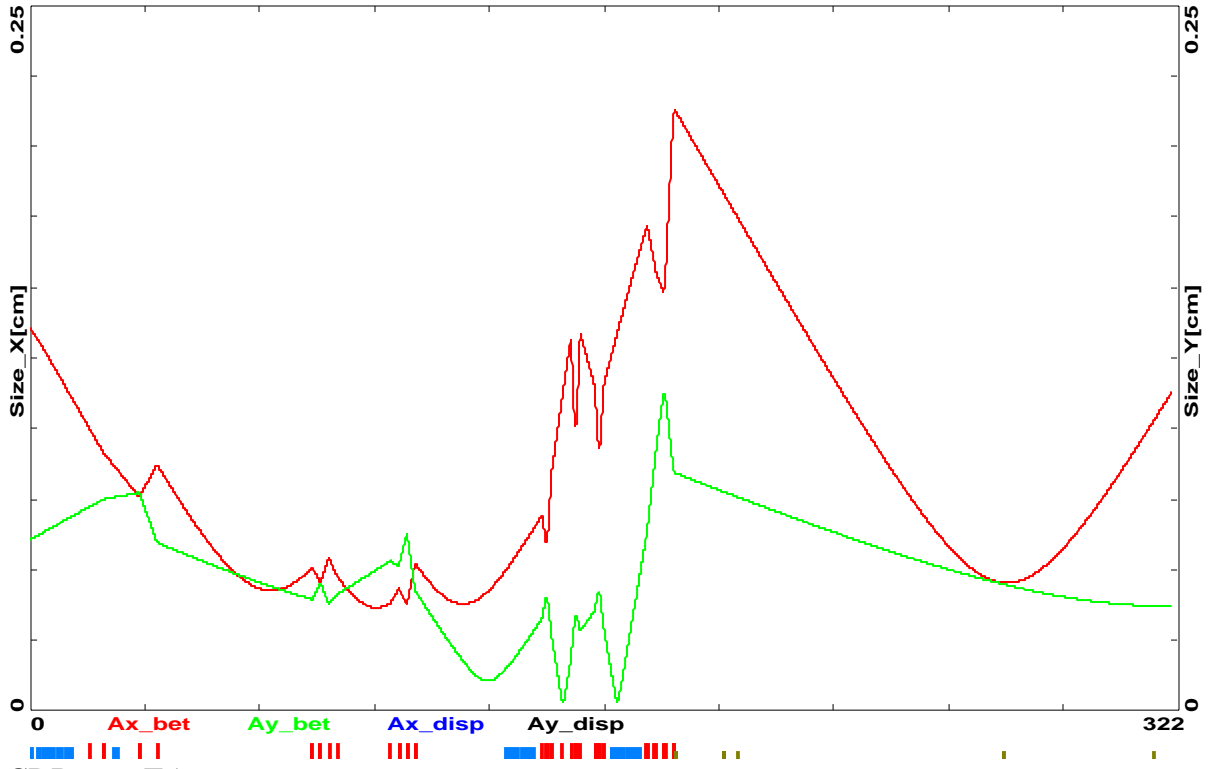


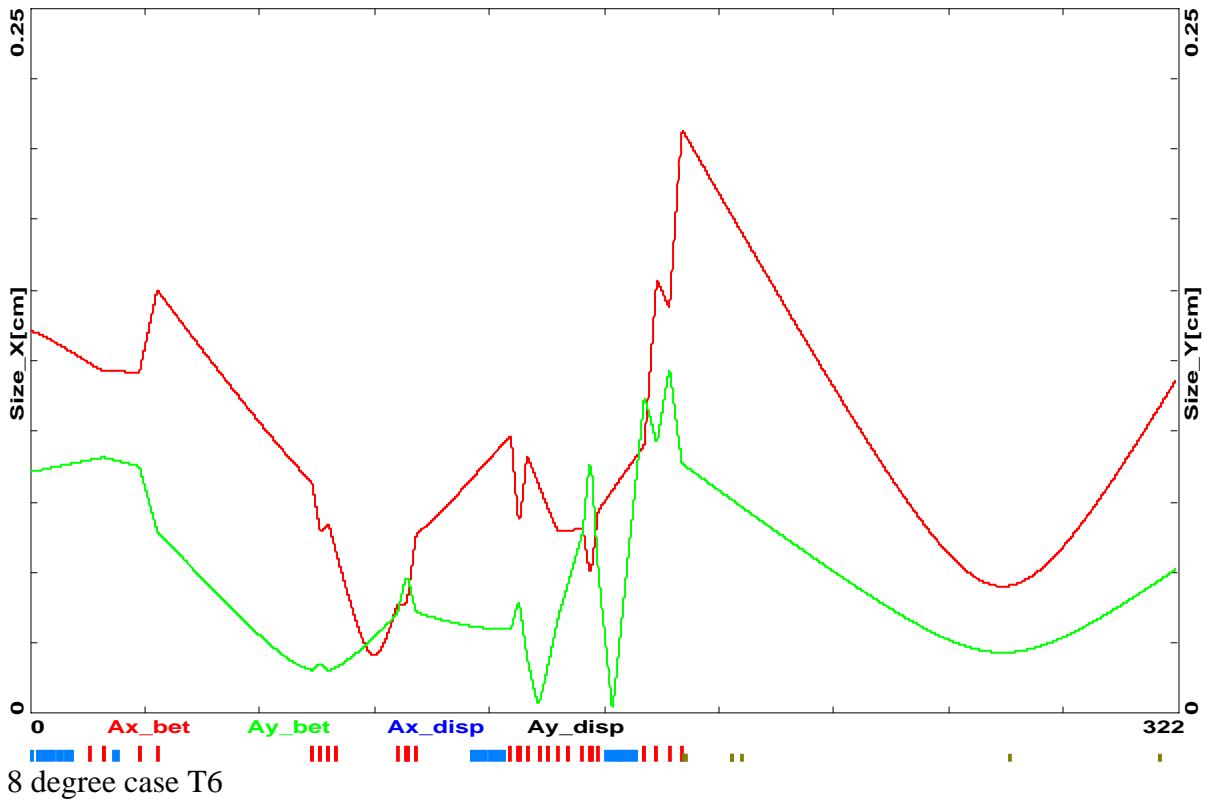
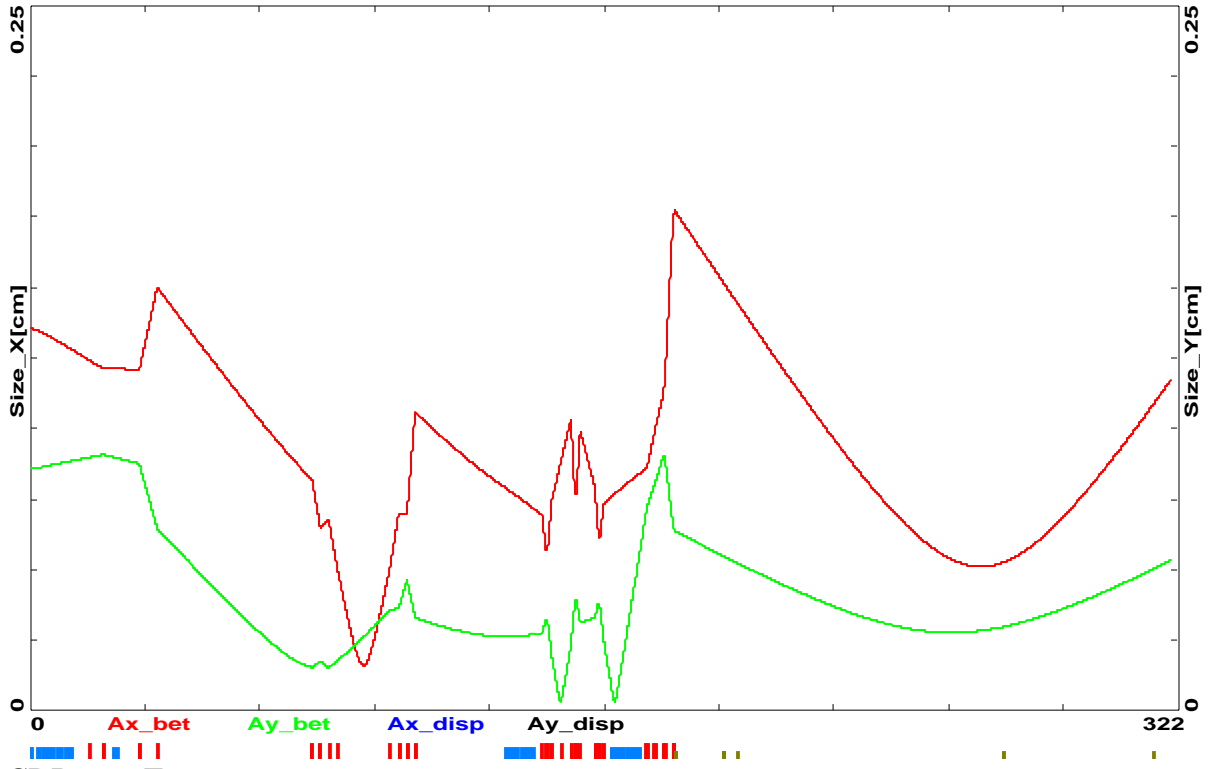


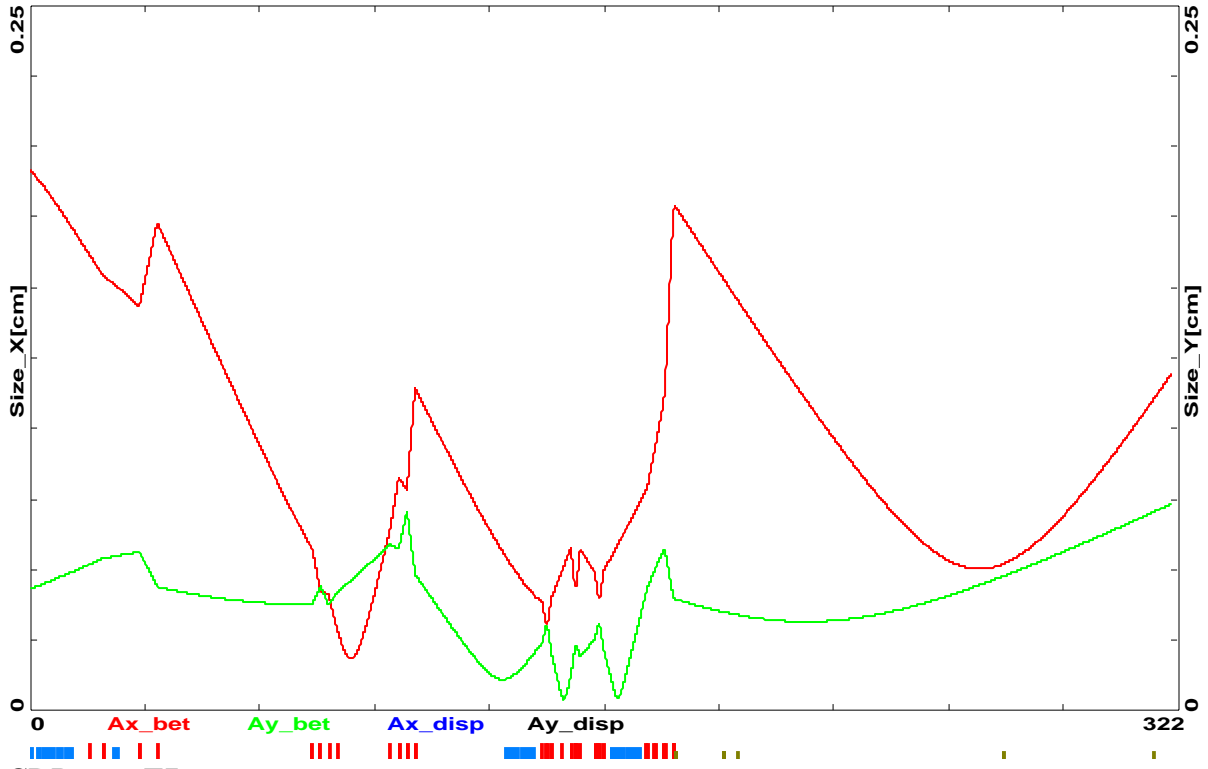
CDR case T4



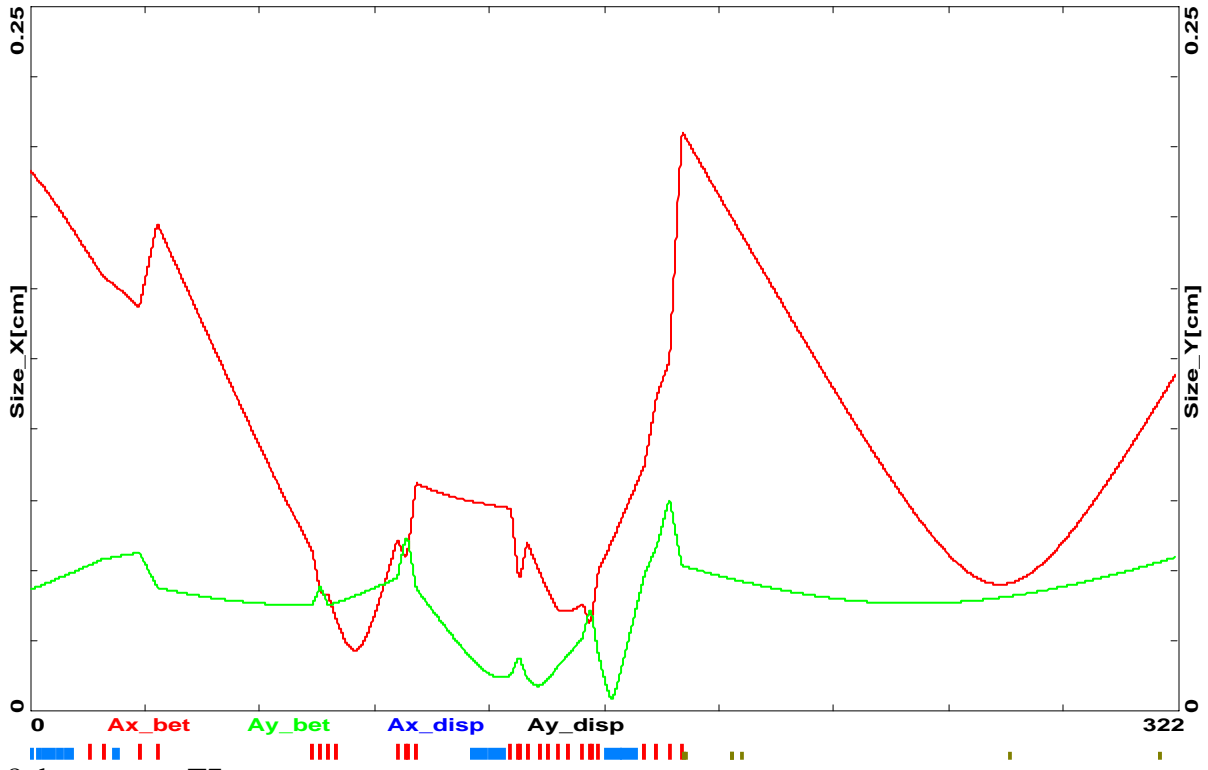
8 degree case T4



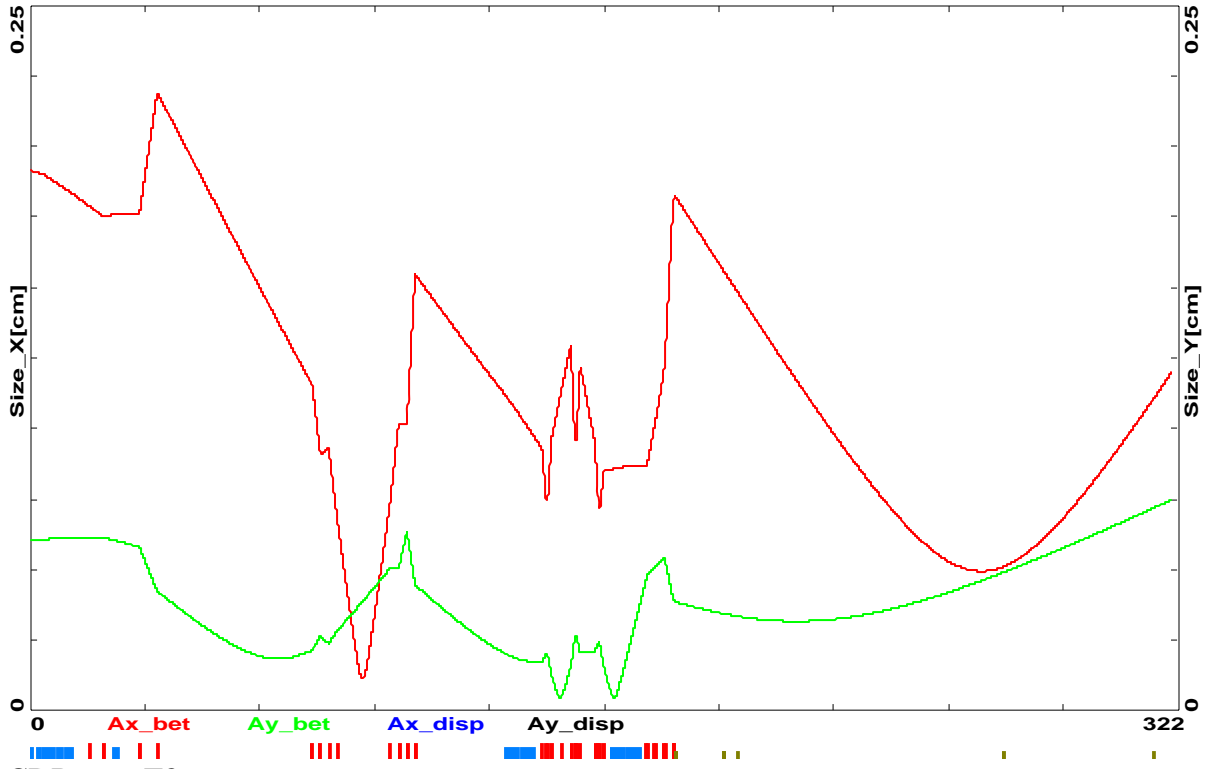




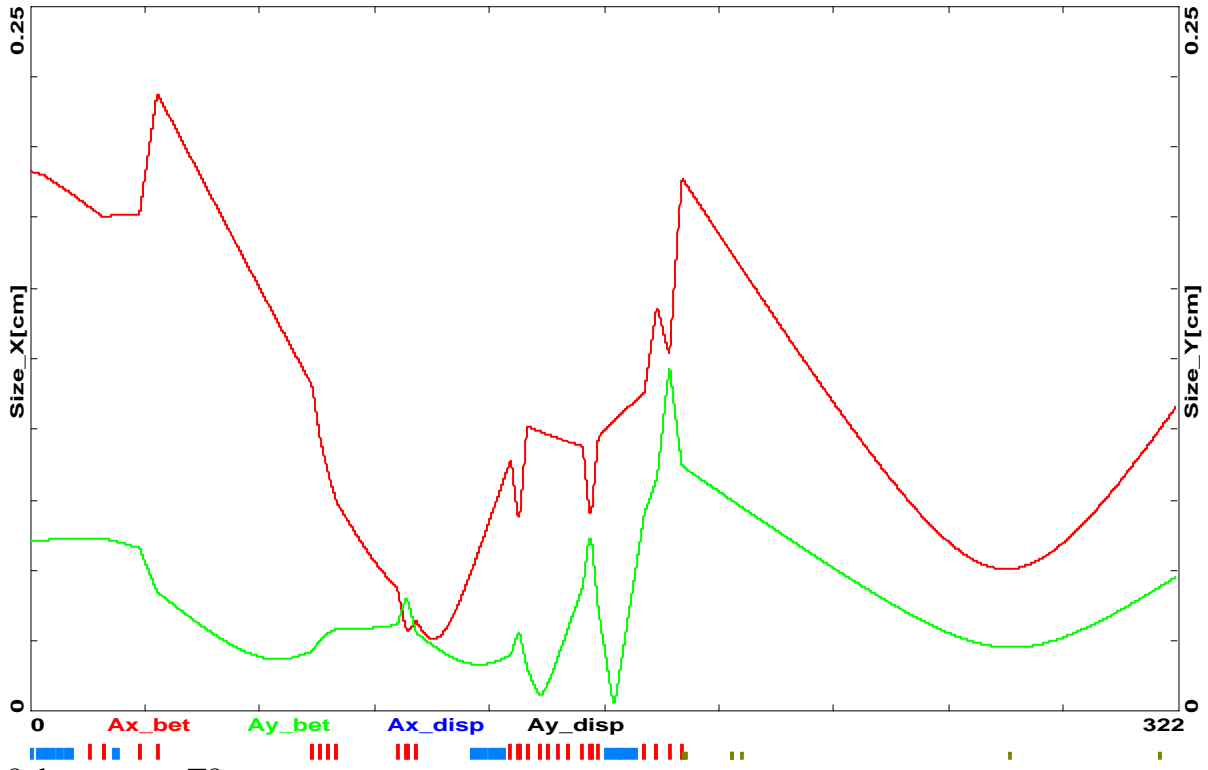
CDR case T7



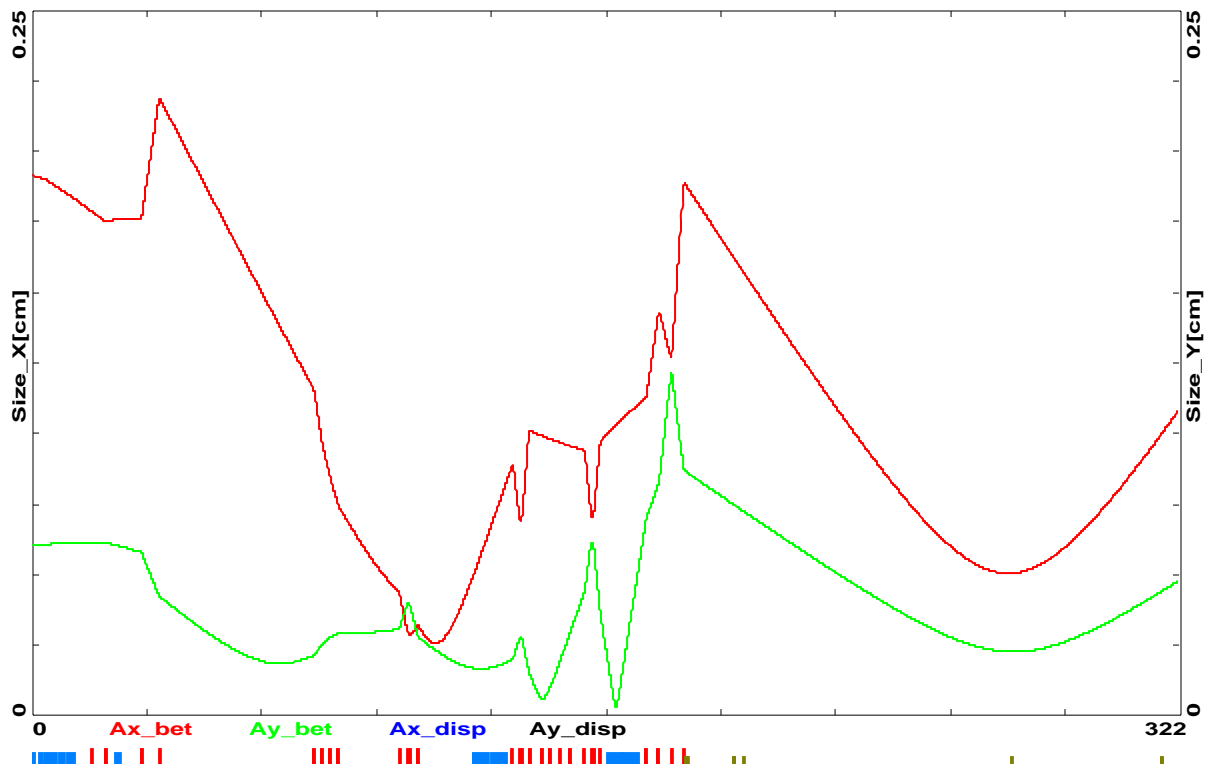
8 degree case T7



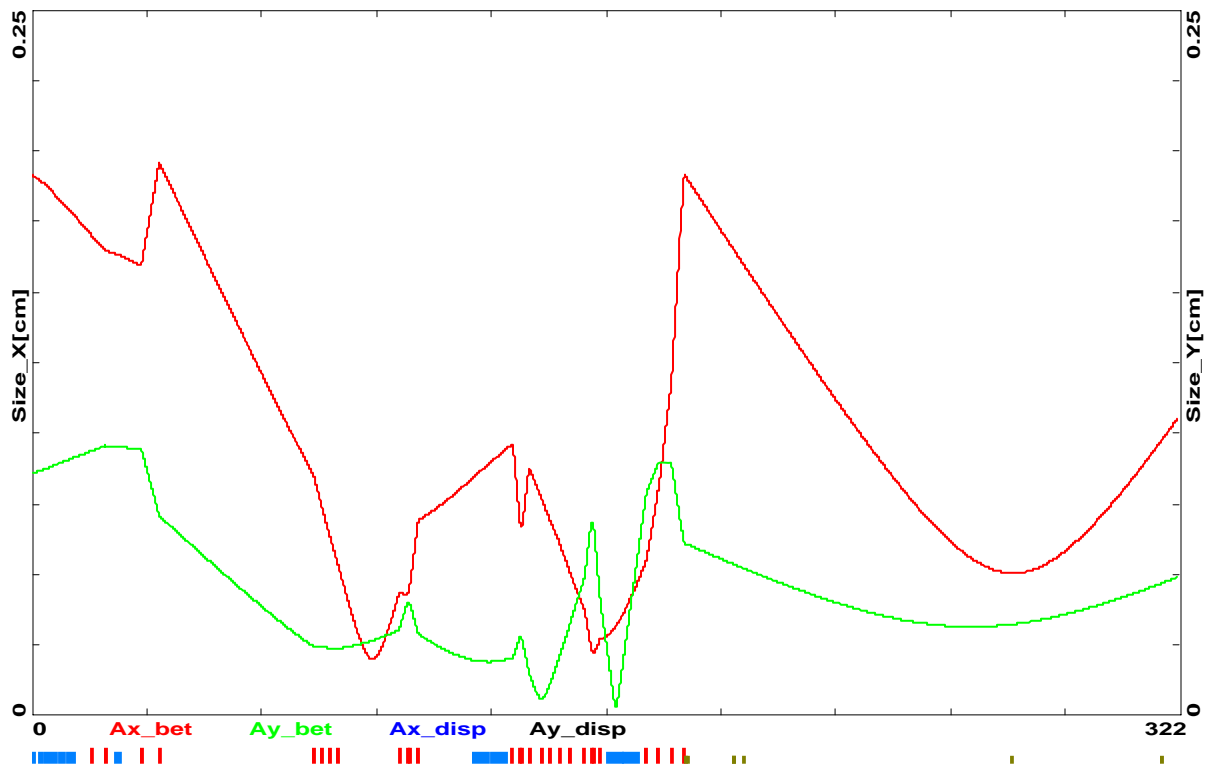
CDR case T8



8 degree case T8



CDR case T9



8 degree T9