AVG NUMBER IONS BLUE BEAM 1,20029e+11 AVG NUMBER IONS YELLOW BEAM 8.81677e+10 BBC ZDC Z VERTEX OFFSET -9.53756 **BETA STAR 121.177 BUNCH CROSSING FREQUENCY 78213** CROSSING ANGLE XZ -0.000801218 **CROSSING ANGLE YZ 0 FILLED BUNCHES 107 HORIZONTAL BEAM WIDTH 0.0257733** MAX COLLISIONS 5 **MULTIPLE COLLISION RATE 0.525235 RUN NUMBER 359711** VERTICAL BEAM WIDTH 0.0238342 X OFFSET 0 Y OFFSET 0 ZDC COUNTS 84662 ZDC\_VERTEX\_DISTRIBUTION\_NAME zdc\_zvtx\_step\_6 Z BUNCH WIDTH\_CENTRAL\_GAUSIAN 55.95 **Z BUNCH WIDTH LEFT GAUSSIAN 35.15** Z BUNCH WIDTH LEFT OFFSET -70.2 **Z BUNCH WIDTH RIGHT GAUSIAN 27.65 Z BUNCH WIDTH RIGHT OFFSET 56.7 Z PROFILE SCALE VALUE 2** 

