AVG NUMBER IONS BLUE BEAM 120,029e9 **AVG NUMBER IONS YELLOW BEAM 88.1677e9** BBC ZDC Z VERTEX OFFSET -9.53756 **BETA STAR 88.395019 BUNCH CROSSING FREQUENCY 78213.** CROSSING ANGLE XZ 0.000437 CROSSING ANGLE YZ 0. **FILLED BUNCHES 107** HORIZONTAL BEAM WIDTH 0.0245674 MAX COLLISIONS 5 **MULTIPLE COLLISION RATE 0.621702 RUN NUMBER 359711** VERTICAL BEAM WIDTH 0.0238342 X OFFSET 0 Y OFFSET 0 ZDC COUNTS 82560 ZDC\_VERTEX\_DISTRIBUTION\_NAME zdc\_zvtx\_step\_19 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 2.0** 

