

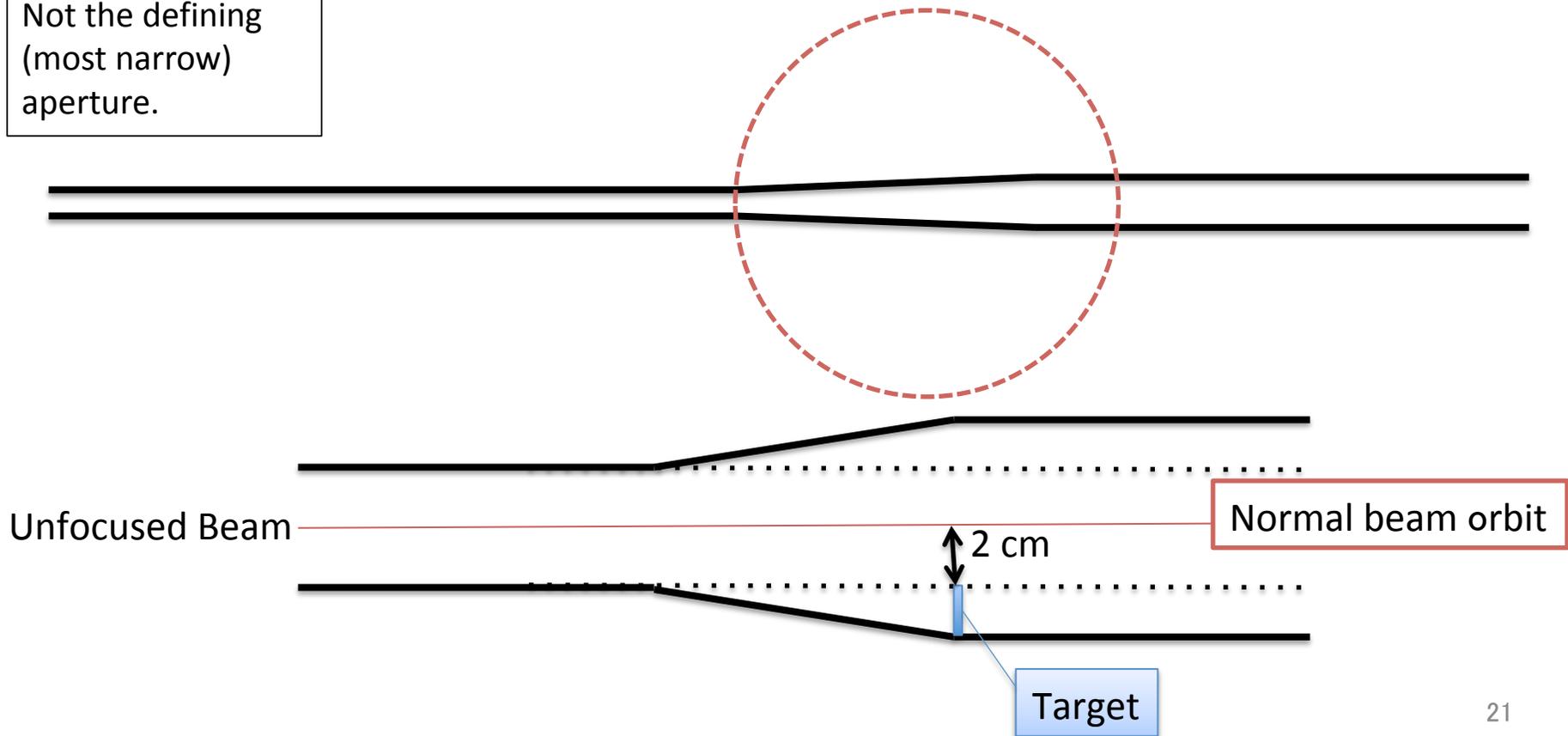
Run 14 details:

The target foil is held 2 cm below of the beam axis.

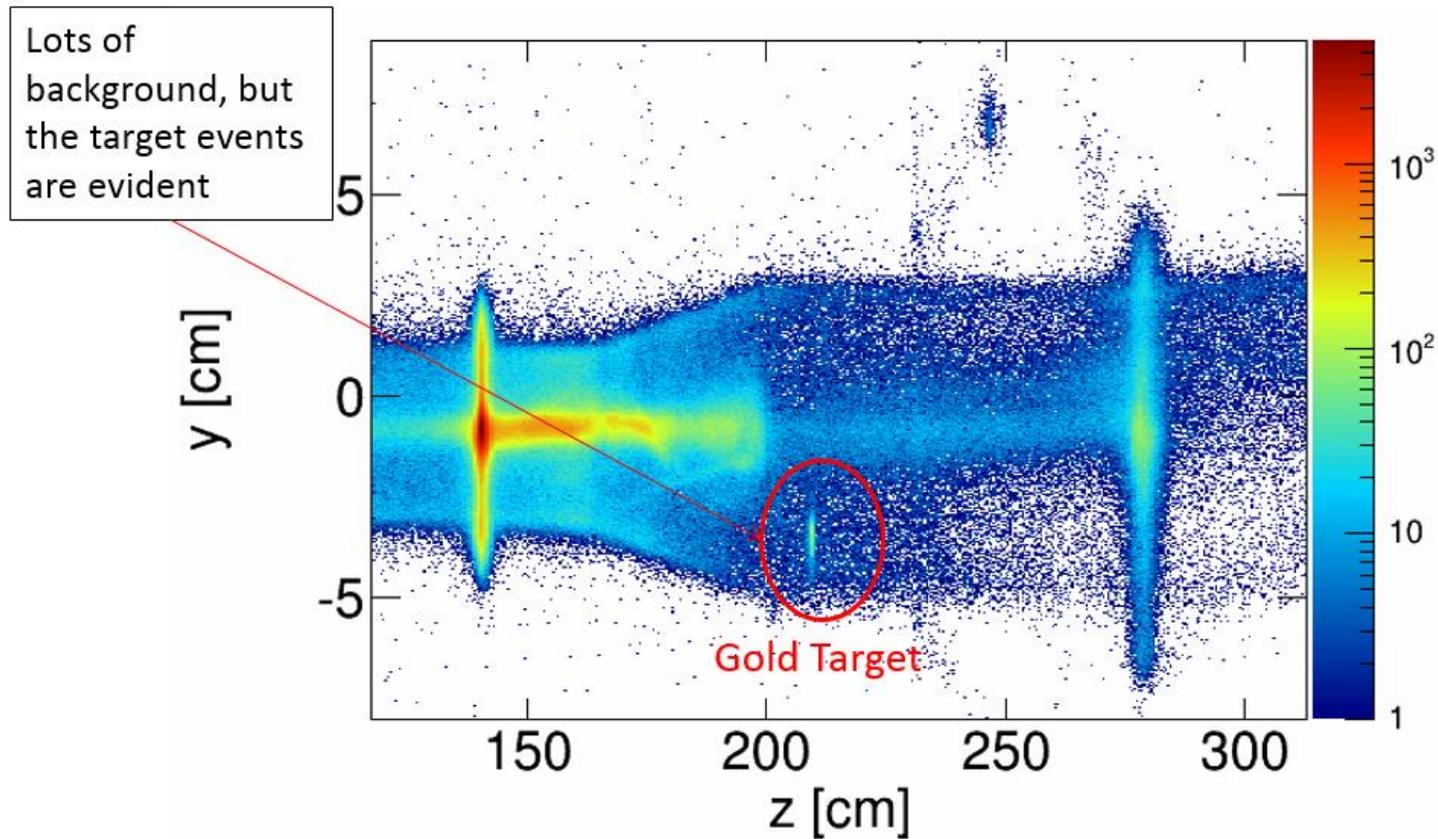
The foil is 1 mm thick (4%).

Not the defining (most narrow) aperture.

Run 14 Pilot Test

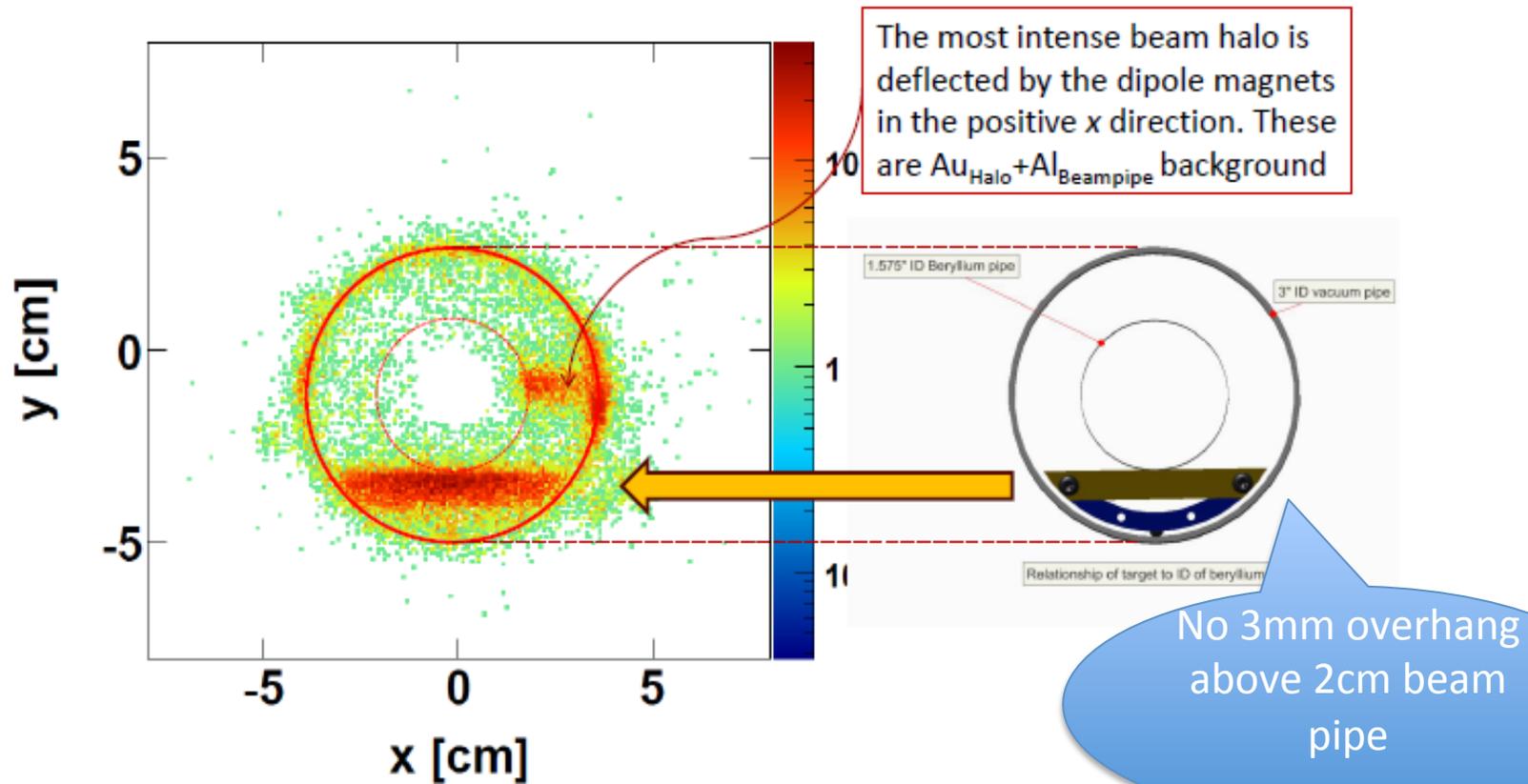


Run14 Identification of fixed Target Events



QA Plot illuminating target and beam pipe flanges. In run 14 the beam pipe narrows between $z \sim 170$ cm – 300 cm.

Run14 Pilot Run : Reconstructed VTX

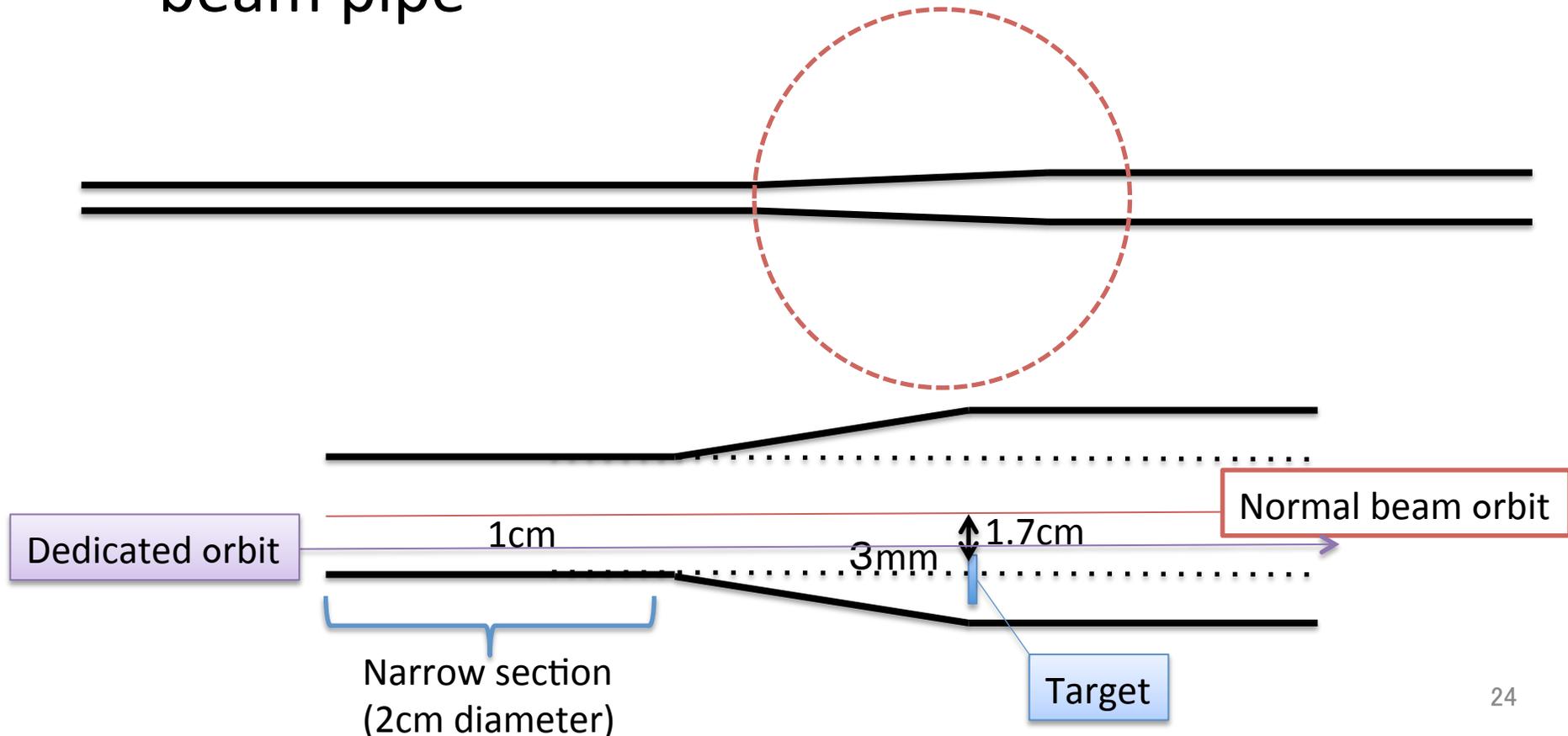


Au + Au 3.9 GeV vertex distribution QA plot illuminating target

Integration of 3 weeks of beam data taking to make this plot.
Very rare event for normal beam circumstances.

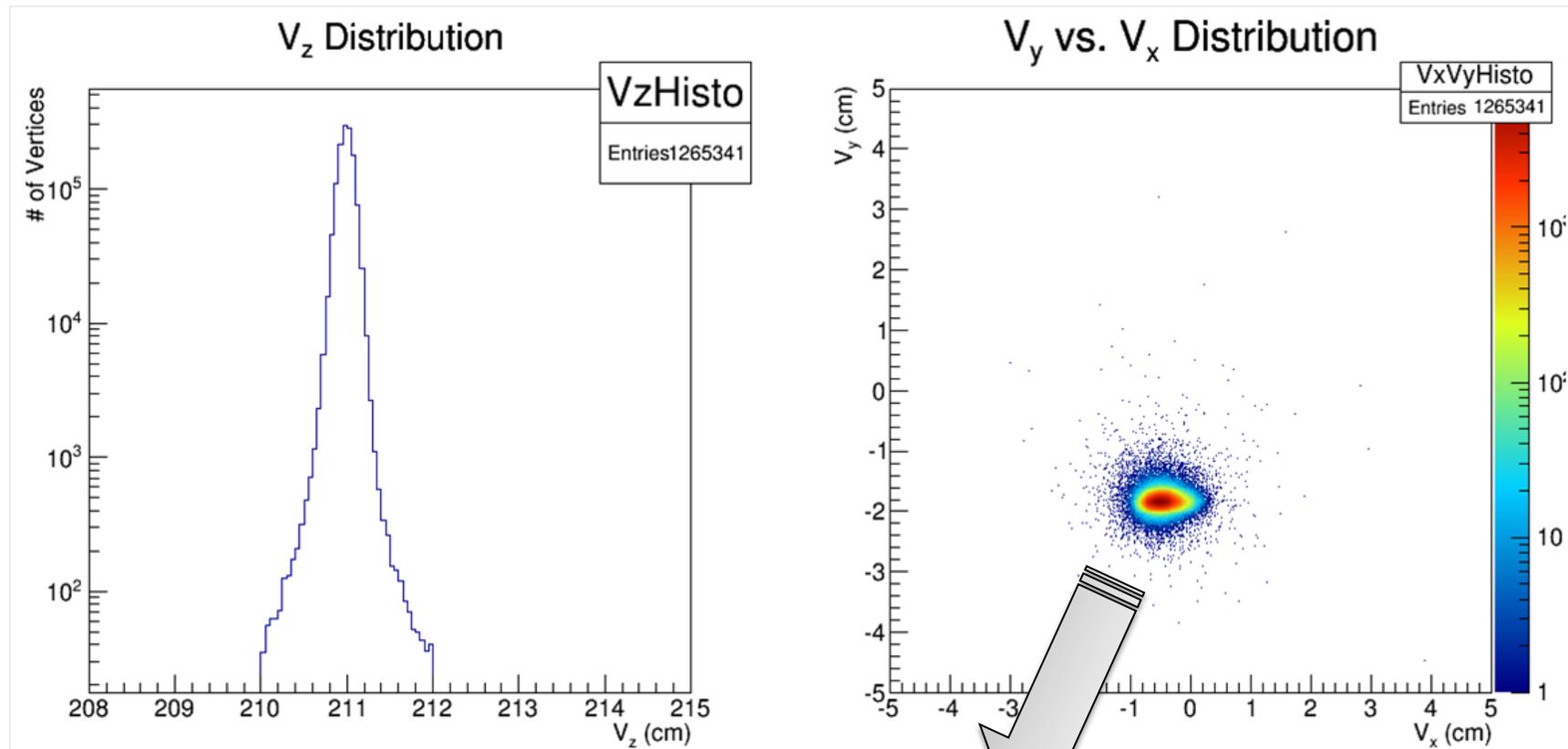
Run15 Target Configuration

- Same target, but now 1.7cm below the normal beam orbit i.e. 3mm overhang above narrow beam pipe



Run15 Reconstructed Vertex

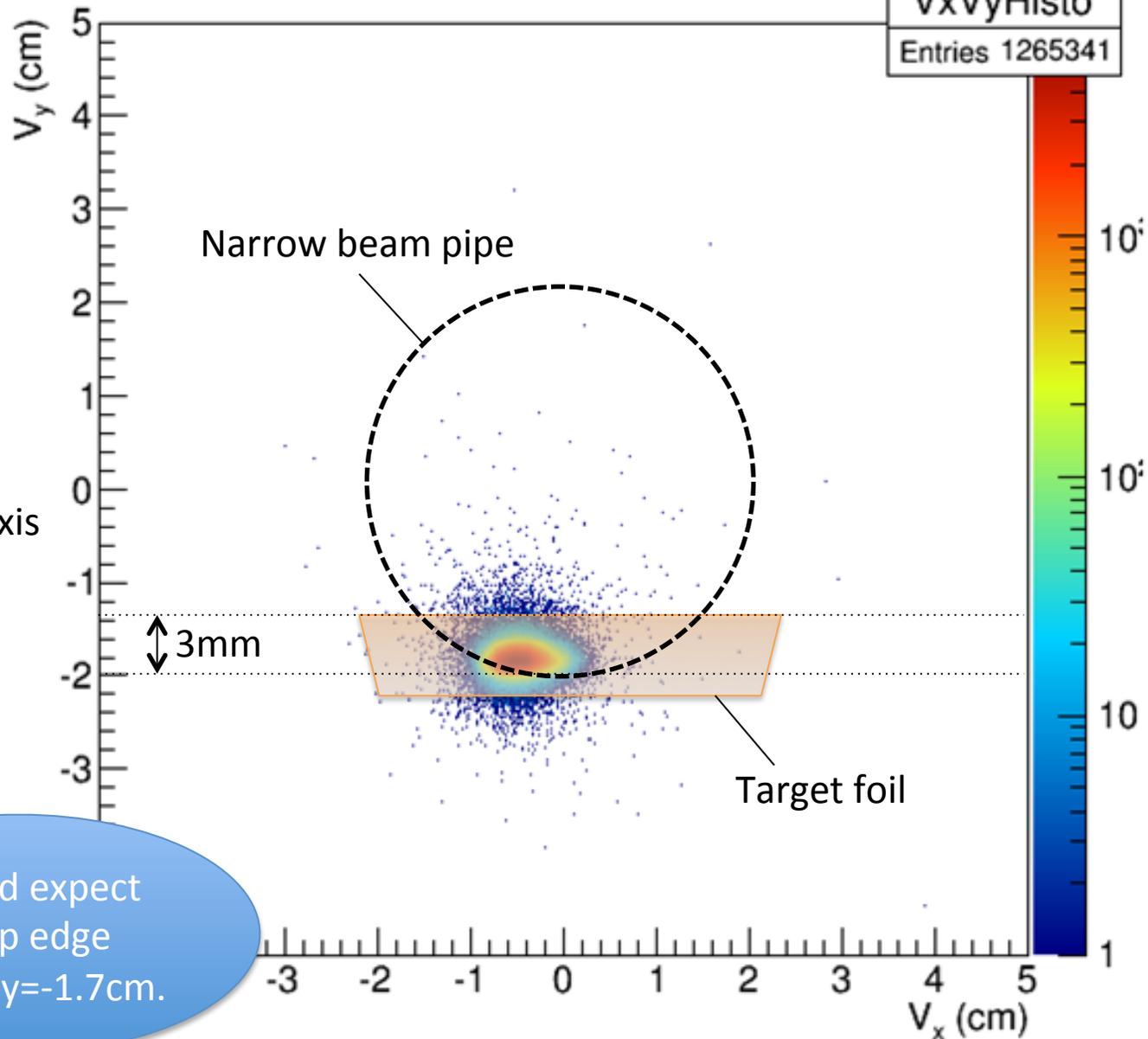
1M events/0.5h data taking



Only 3mm overhang part of the target foil is seen.
No entire foil shape is seen!

V_y vs. V_x Distribution

VxVyHisto
Entries 1265341



I would expect sharp edge around $y = -1.7$ cm.