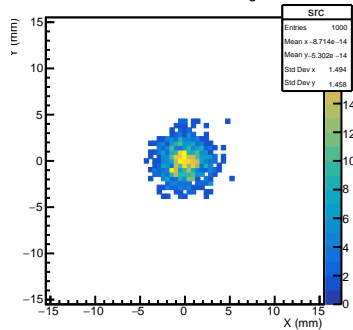
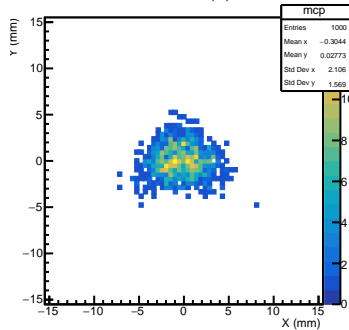


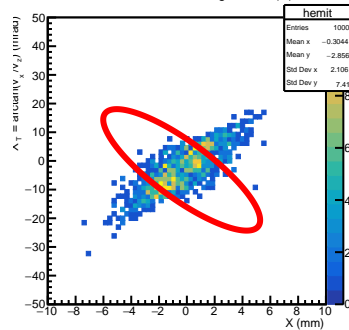
Generated Ions at Target



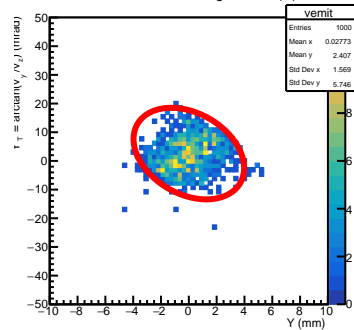
Beam at P(w)



Horizontal emittance diagram at P(w)



Vertical emittance diagram at P(w)

**Ion Source****MEANx = 0 [mm]****MEANY = 0 [mm]****RMSx = 1.49391 [mm]****RMSy = 1.45793 [mm]****Number of Flown Particles = 1000****BPM at w = 100 [mm]****MEANx = -0.304363 [mm]****MEANY = 0.0277252 [mm]****StDevx = 2.10593 [mm]****StDevy = 1.56883 [mm]****Transmission rate 100%****Horizontal $\epsilon_{2\sigma}$:****67.104±6.1553 [π mm mrad]****Fit results:** **$x_{M_0} = -0.373196 \pm 0.140287$ [mm]** **$x'_0 = 0.0188261 \pm 0.561391$ [mm/mm]** **$dx_T/dx_M = 0.225085 \pm 0.0121731$ [mrad/mm]****Vertical $\epsilon_{2\sigma}$:****60.1652±5.52218 [π mm mrad]****Fit results:** **$y_{M_0} = -0.000423368 \pm 0.0999209$ [mm]** **$y'_0 = -0.654471 \pm 0.428008$ [mm/mm]** **$dy_T/dy_M = -11.9677 \pm 0.0197008$ [mrad/mm]**