

$^4_{\Lambda}\text{He}$ in Au-Au collisions at 3.5 GeV

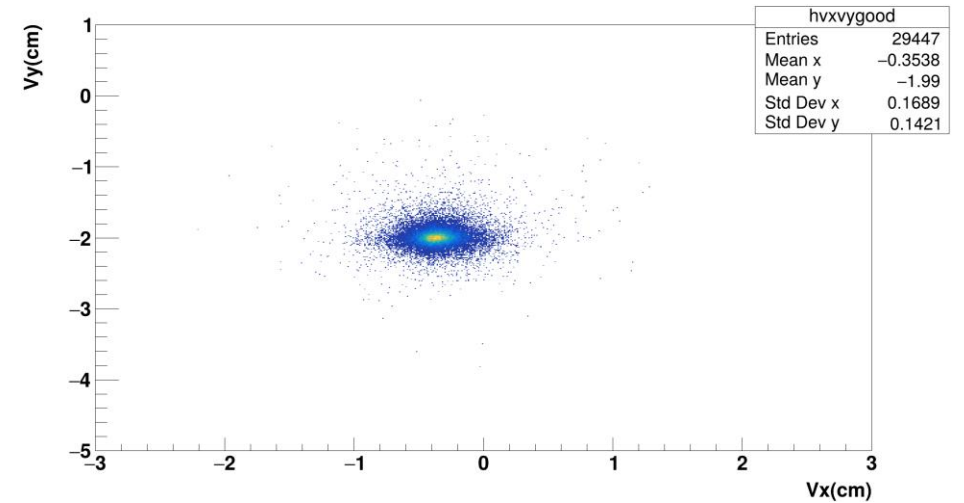
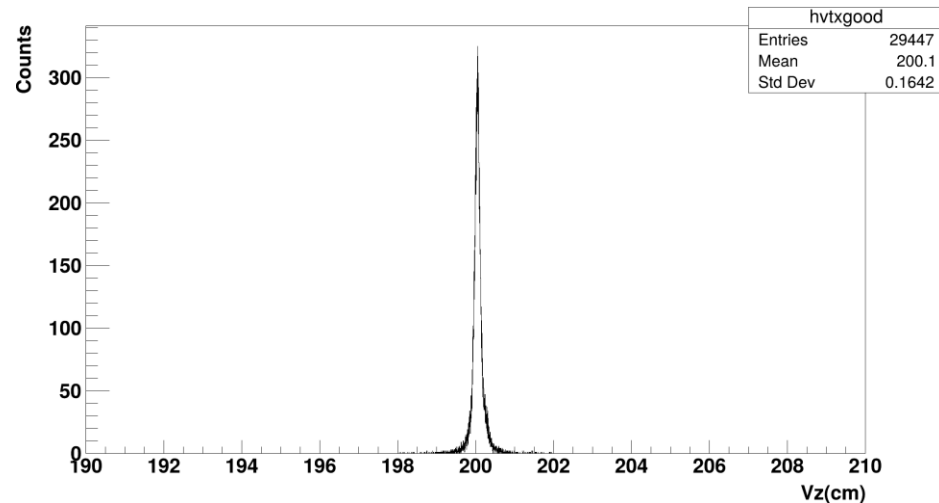
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Dataset

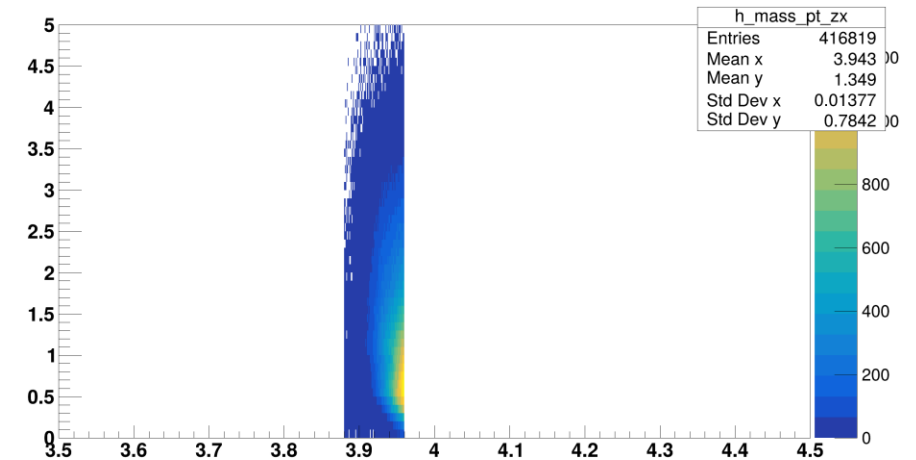
- Trigger setup: production_5p75GeV_fixedTarget_2020
- Stream: st_physics(_adc)
- Production: P23id
- Library: .DEV2



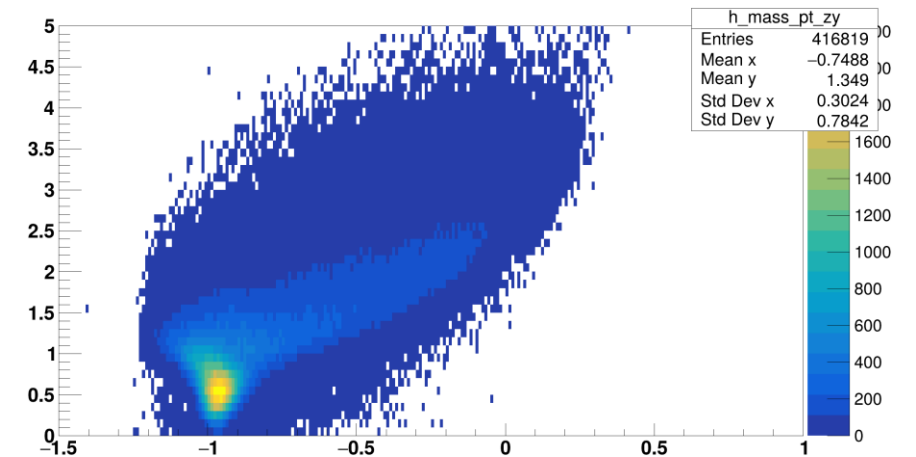
Data cuts

- Trigger ID: 720000
- Bad run: 20355020, 20355021, 21044023, 21045024, 21045025, 21044027, 21044035, 21045004
- $|V_z - 200| < 2, V_r < 2$
- $V_x\text{Shift} = -0.4, V_y\text{Shift} = -1.95$
- He4L chi2topo < 10
- He4L chi2ndf < 5.0
- Chi2primary He3 > 2.0
- Chi2primary pi > 20
- Chi2primary p > 10
- DCA between He3, p and pi < 1.0 cm
- He4L decay length > 7.0 cm
- He4L l/dl > 8.0
- Chi2primary ppi > 4.0

pT vs. mass



pT vs. rapidity



Invariant mass distributions

