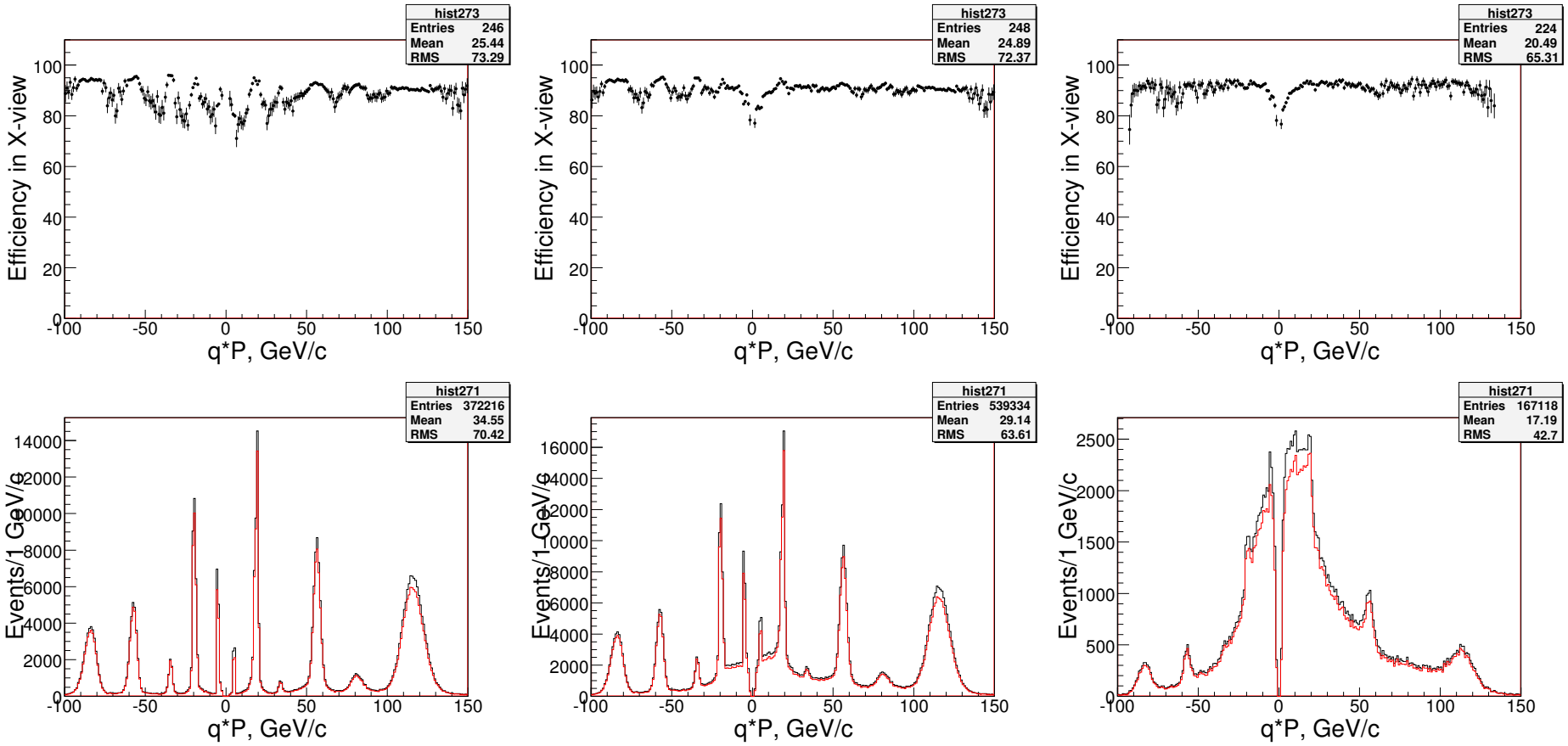
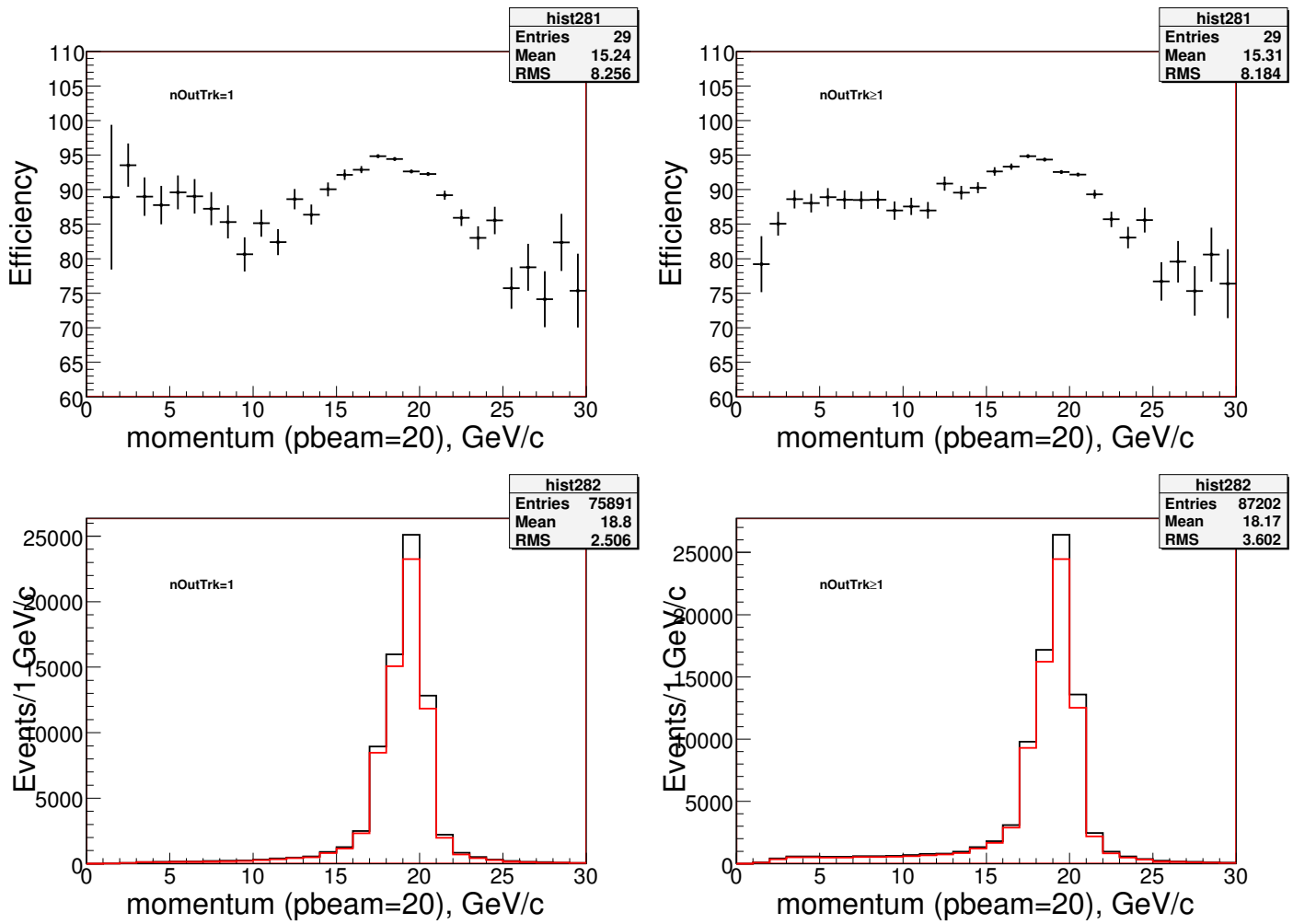
nOutTrk=1, nOutTrk≥1 and nOutTrk≥2



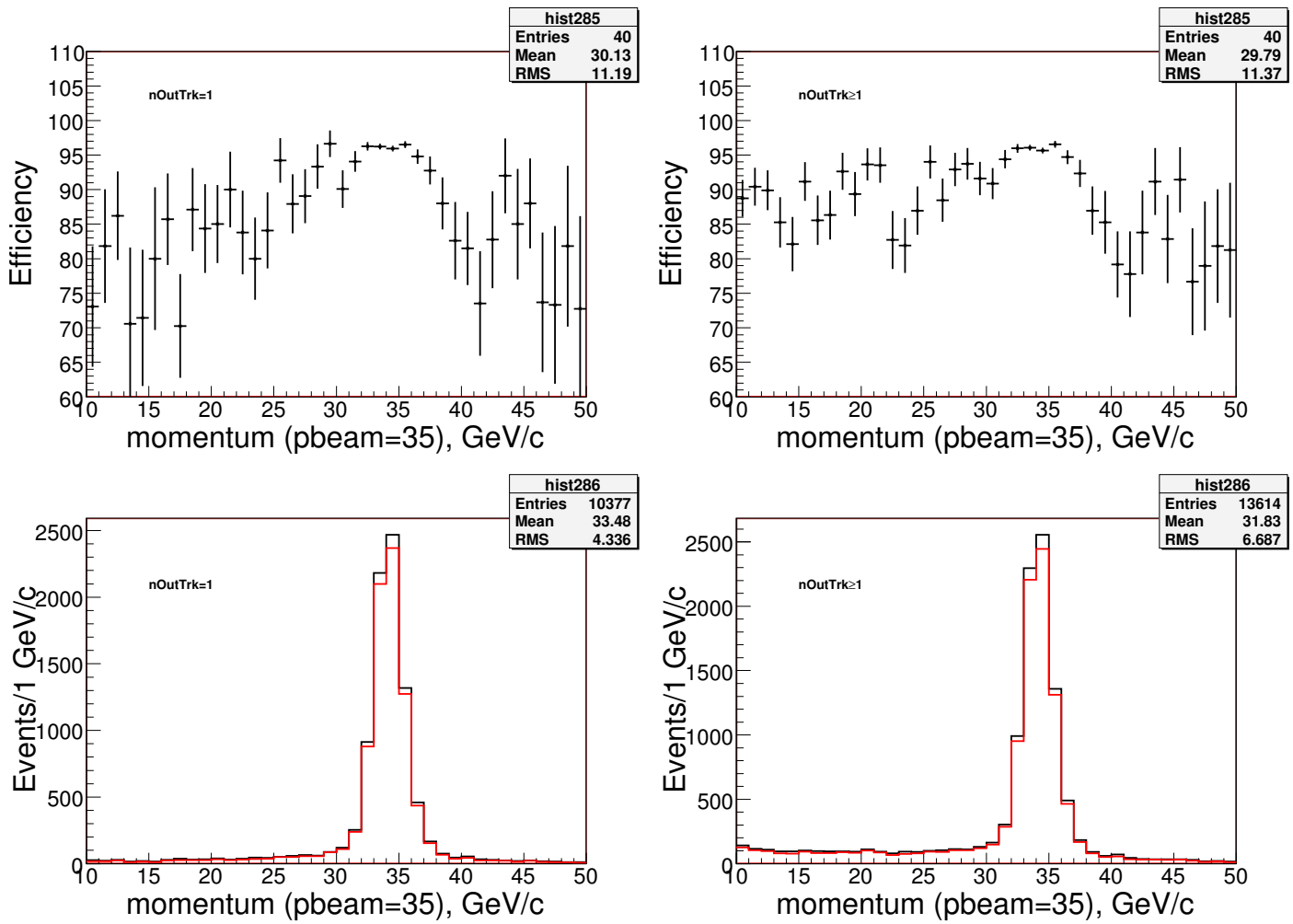
Top plots - match efficiencies, bottom - occupation vs track momentum: black plots - denominator, red - match is on. Left plots - single track vertices, middle - nOutTrk≥1 and right plots - multi-track vertices (nOutTrk≥2). Question: do we see the suspicious thing or it is just statistical effect?

20 GeV/c beam settings: nOutTrk=1 vs nOutTrk≥1



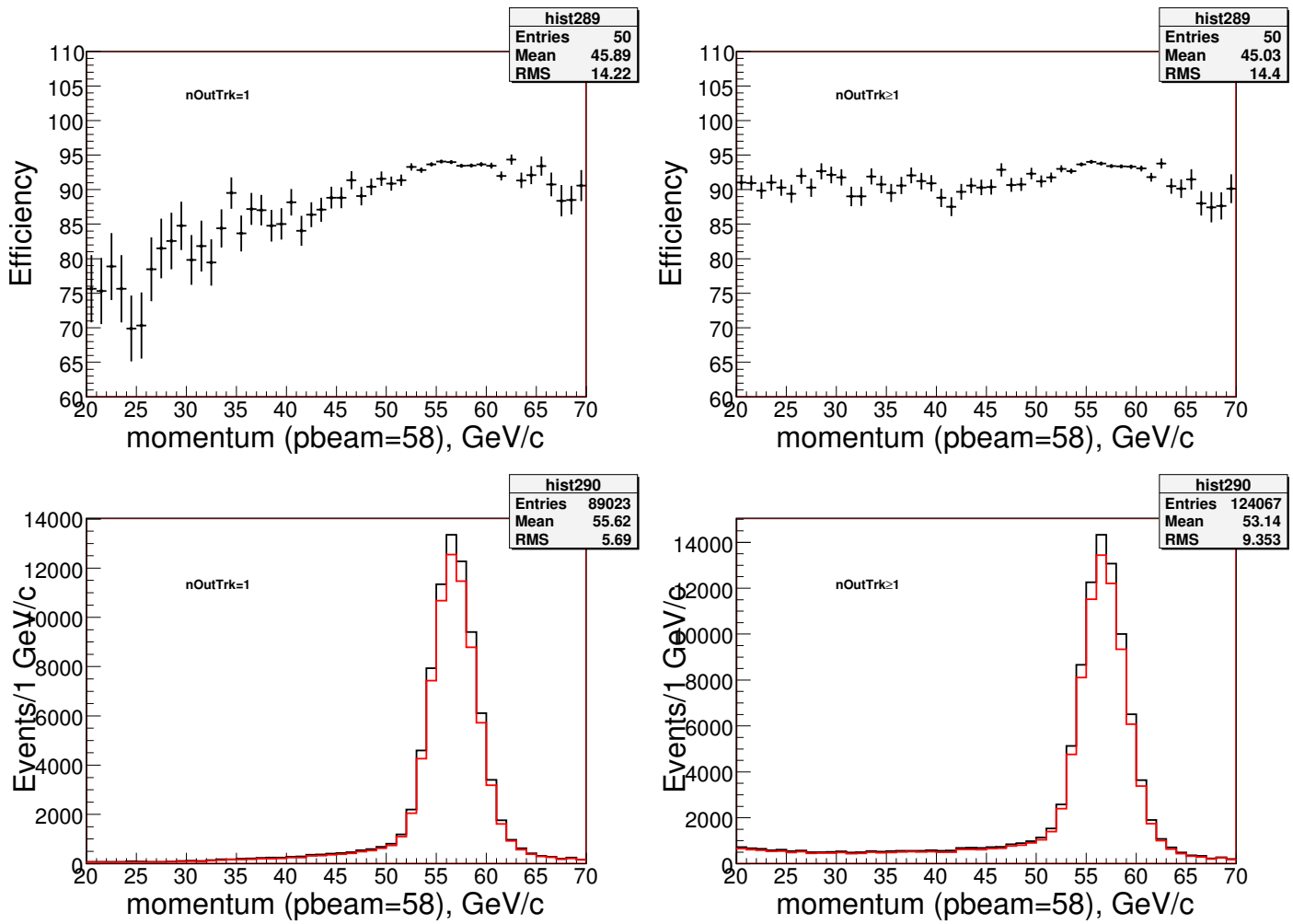
nOutTrk=1 (on left) vs nOutTrk≥1 (on right) comparison using 20 GeV/c beam settings. Top plots - match efficiencies, bottom - occupation vs track momentum, where black plots - denominator, red - match is on.

35 GeV/c beam settings: nOutTrk=1 vs nOutTrk$\geq$1



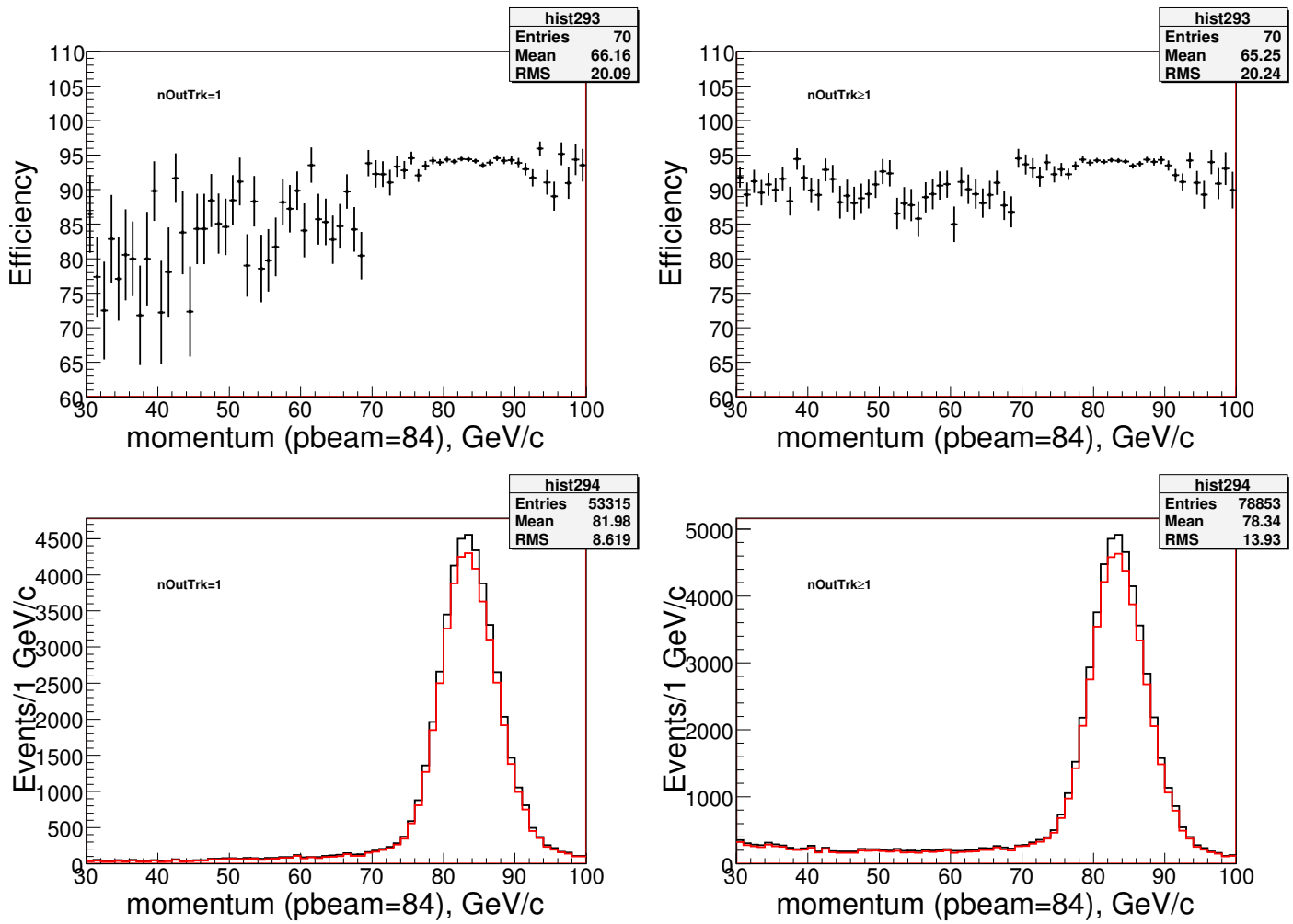
nOutTrk=1 (on left) vs nOutTrk$\geq$1 (on right) comparison using 35 GeV/c beam settings. Top plots - match efficiencies, bottom - occupation vs track momentum, where black plots - denominator, red - match is on.

58 GeV/c beam settings: nOutTrk=1 vs nOutTrk≥1



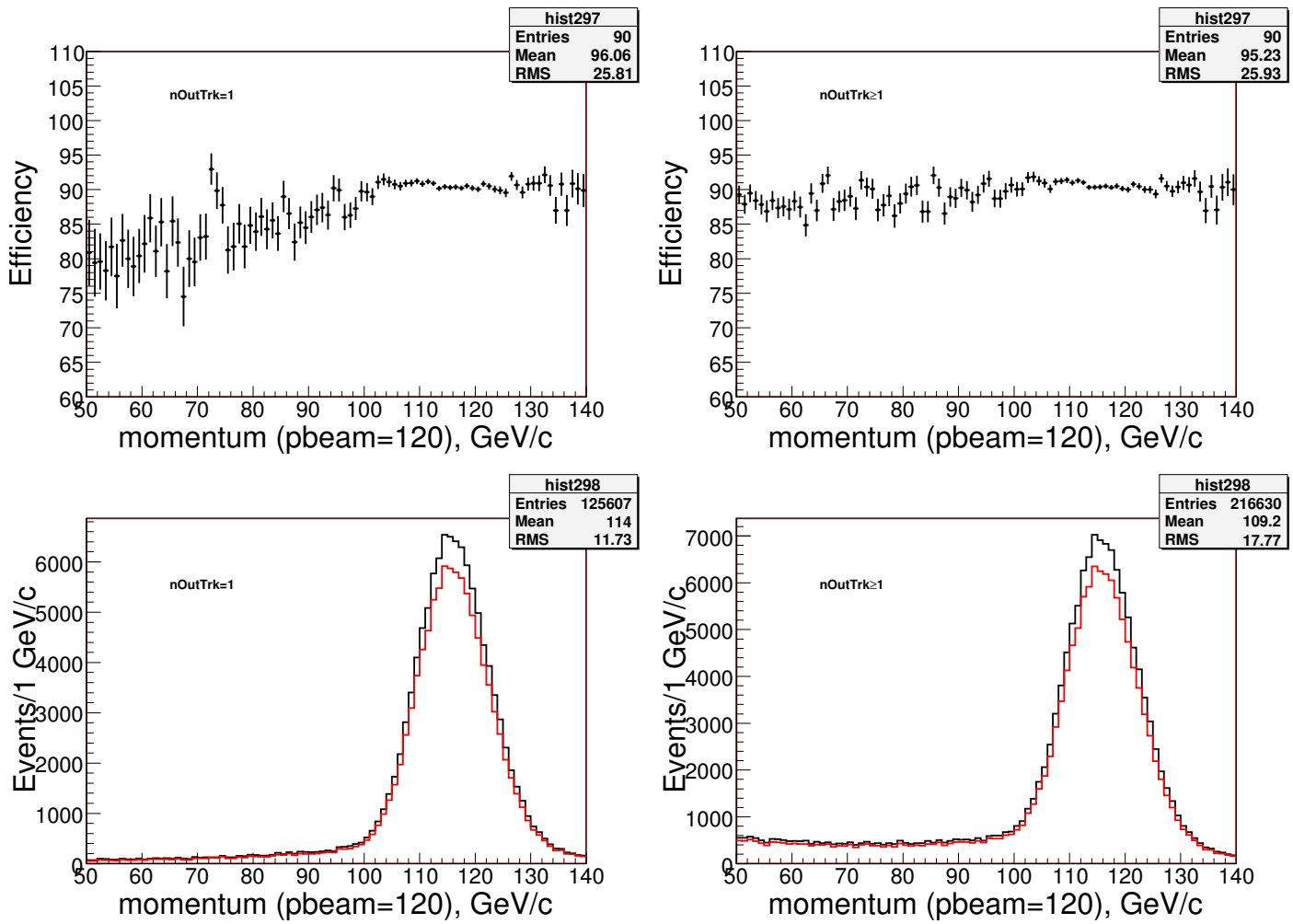
nOutTrk=1 (on left) vs nOutTrk≥1 (on right) comparison using 58 GeV/c beam settings. Top plots - match efficiencies, bottom - occupation vs track momentum, where black plots - denominator, red - match is on.

84 GeV/c beam settings: nOutTrk=1 vs nOutTrk≥1



nOutTrk=1 (on left) vs nOutTrk≥1 (on right) comparison using 84 GeV/c beam settings. Top plots - match efficiencies, bottom - occupation vs track momentum, where black plots - denominator, red - match is on.

120 GeV/c beam settings: nOutTrk=1 vs nOutTrk≥1



nOutTrk=1 (on left) vs nOutTrk≥1 (on right) comparison using 120 GeV/c beam settings. Top plots - match efficiencies, bottom - occupation vs track momentum, where black plots - denominator, red - match is on.