Run 6702: H.kin.W2 hist_w2 Entries 26420 2500 Mean 0.8709 Std Dev 0.05651 2000 1500 1000 500 8.6 8.0 0.9 1.3 0.7 1.4 W2

Run 6702: H.kin.x_bj hist_x_bj Entries 26420 8000 Mean 1.002 Std Dev 0.01263 7000 6000 5000 4000 3000 2000 1000 1.2 x_bj 0.7 8.0 0.9

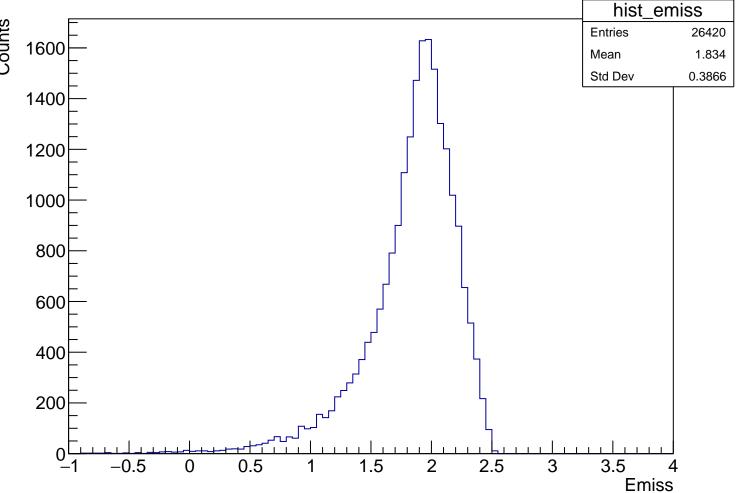
Run 6702: NPS.kin.secondary.pmiss_x hist_pmiss_x 2400 **Entries** 26420 Mean 0.09066 2200 Std Dev 0.07154 2000 1800 1600 1400 1200 1000 800 600 400 200 -0.20.2 -0.40.4 0.6 Pmiss_x

Run 6702: NPS.kin.secondary.pmiss_y hist_pmiss_y 4000 **Entries** 26420 Mean -5.23e-05 Std Dev 0.04552 3500 3000 2500 2000 1500 1000 500 -0.4-0.20.2 0.4 0.6 Pmiss_y

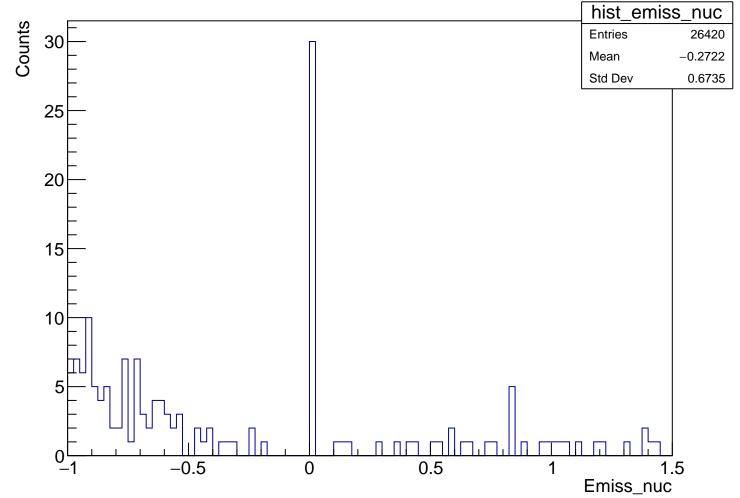
Run 6702: NPS.kin.secondary.pmiss_z hist_pmiss_z 1000 **Entries** 26420 -2.657Mean Std Dev 0.3551 800 600 400 200 -3.5 -2.5 -1.5 Pmiss_z

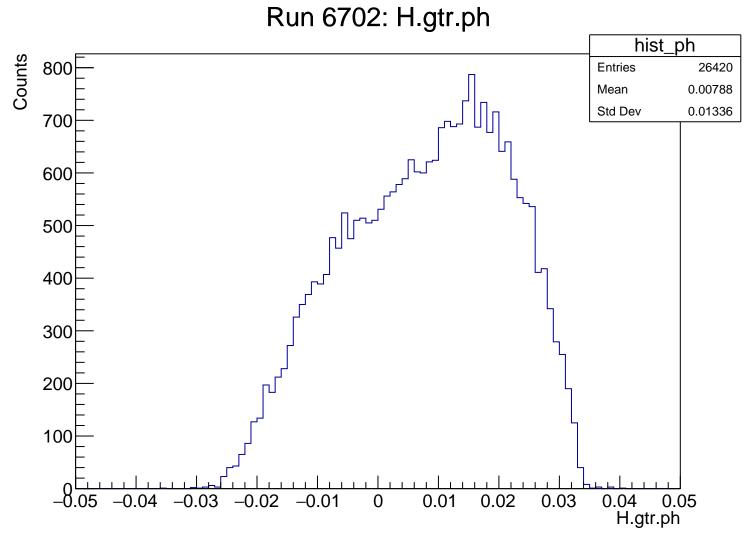
Run 6702: NPS.kin.secondary.pmiss hist_pmiss **Entries** 26420 2.65 Mean Std Dev 0.3717 1200 1000 800 600 400 200 2.5 3.5 0.5 1.5 3 **Pmiss**

Run 6702: NPS.kin.secondary.emiss



Run 6702: NPS.kin.secondary.emiss_nuc





Run 6702: H.gtr.th hist_th Counts Entries 26420 Mean -0.00116450 Std Dev 0.03698 400 350 300 250 200 150 100 50 0.08 0.1 H.gtr.th -0.08 -0.06-0.04 -0.020.02 0.04 0.06 0

Run 6703: H.kin.W2 hist_w2 Counts Entries 30654 Mean 0.8731 Std Dev 0.05682 2500 2000 1500 1000 500 8.6 1.4 W2 8.0 0.9 1.3 0.7

Run 6703: H.kin.x_bj hist_x_bj Entries 30654 9000 Mean 1.002 Std Dev 0.01248 8000 7000 6000 5000 4000 3000 2000 1000 1.2 x_bj 0.7 8.0 0.9

Run 6703: NPS.kin.secondary.pmiss_x hist_pmiss_x 3000 **Entries** 30654 0.08891 Mean Std Dev 0.07214 2500 2000 1500 1000 500 -0.20.2 -0.40.4 0.6 Pmiss_x

Run 6703: NPS.kin.secondary.pmiss_y hist_pmiss_y **Entries** 30654 4500 -0.0004993Mean Std Dev 0.04655 4000 3500 3000 2500 2000 1500 1000 500 -0.4-0.20.2 0.4 0.6 Pmiss_y

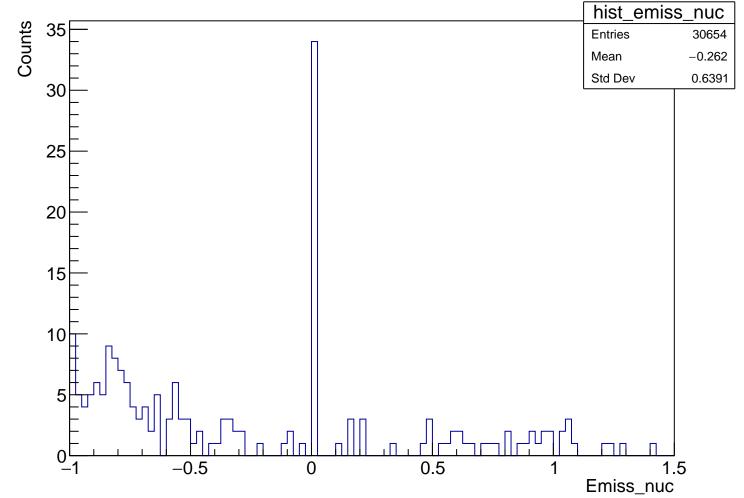
Run 6703: NPS.kin.secondary.pmiss_z hist_pmiss_z **Entries** 30654 1200 Mean -2.694Std Dev 0.3611 1000 800 600 400 200 -3.5-2.5 -1.5Pmiss_z

Run 6703: NPS.kin.secondary.pmiss hist_pmiss **Entries** 30654 1600 2.687 Mean Std Dev 0.3816 1400 1200 1000 800 600 400 200 1.5 2.5 3.5 0.5 3 **Pmiss**

Run 6703: NPS.kin.secondary.emiss hist_emiss 2000 **Entries** 30654 Mean 1.869 1800 Std Dev 0.3972 1600 1400 1200 1000 800 600 400 200 2.5 -0.50.5 1.5 3 3.5

Emiss

Run 6703: NPS.kin.secondary.emiss_nuc



Run 6703: H.gtr.ph hist_ph Counts Entries 30654 900 0.008764 Mean Std Dev 0.0127 800 700 600 500 400 300 200 100 0.04 0.0 H.gtr.ph -0.04-0.03-0.020.02 0.03 0.05 -0.010.01 0

Run 6703: H.gtr.th hist_th Counts Entries 30654 -0.002235Mean Std Dev 0.03663 500 400 300 200 100 0.08 0.1 H.gtr.th -0.08 -0.06-0.04 -0.020.02 0.04 0.06 0

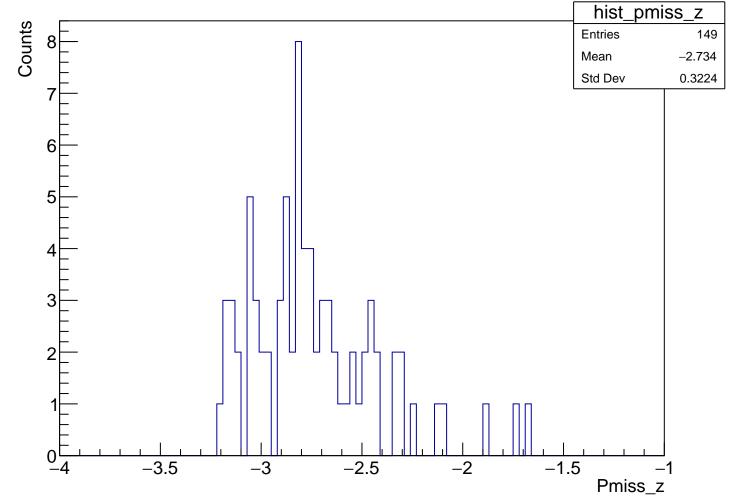
Run 6704: H.kin.W2 hist_w2 Counts Entries 149 0.9067 Mean Std Dev 0.09724 8 6 5 4 3 2 8.6 1.4 W2 0.7 8.0 0.9 1.3 1.2 1.1

Run 6704: H.kin.x_bj hist_x_bj 22 Counts Entries 149 0.9944 Mean 20 Std Dev 0.02144 18 16 14 12 10 8 6 4 2 0.7 8.0 0.9 1.1 1.2 x_bj

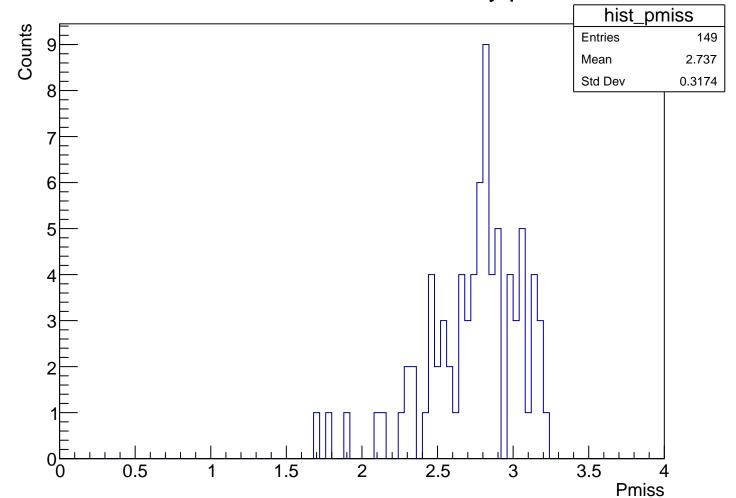
Run 6704: NPS.kin.secondary.pmiss_x hist_pmiss_x Counts **Entries** 149 Mean 0.08271 Std Dev 0.06131 10 8 6 4 2 -0.4-0.20.4 0.6 Pmiss_x

Run 6704: NPS.kin.secondary.pmiss_y hist_pmiss_y Counts **Entries** 149 14 -0.002218Mean Std Dev 0.05236 12 10 8 6 2 -0.4-0.20.2 0.4 0.6 Pmiss_y

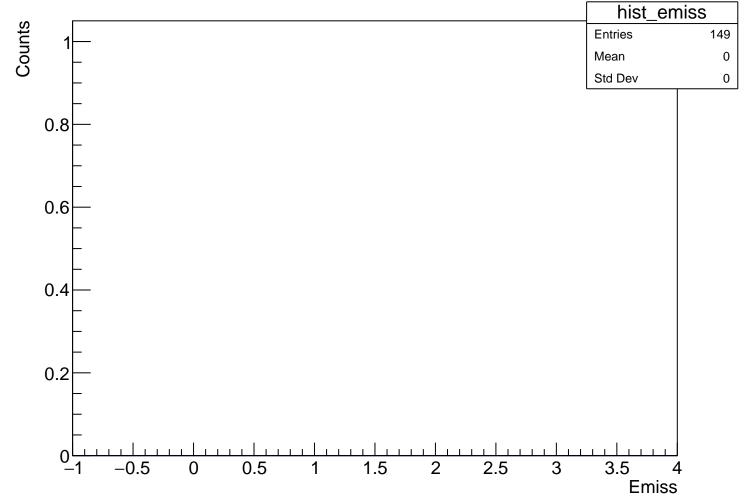
Run 6704: NPS.kin.secondary.pmiss_z



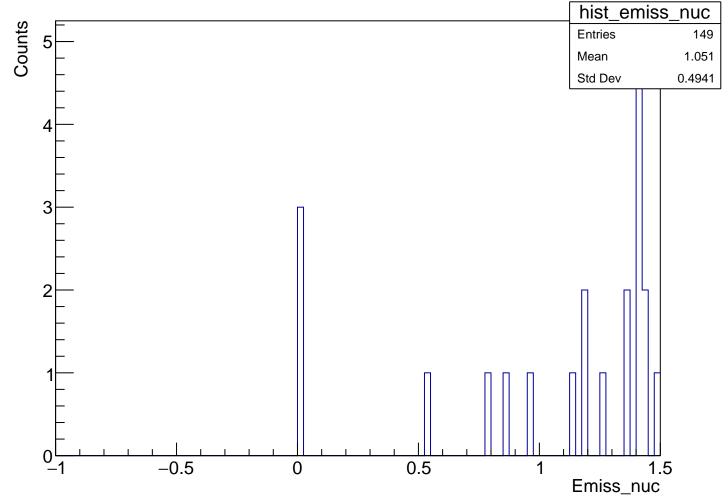
Run 6704: NPS.kin.secondary.pmiss



Run 6704: NPS.kin.secondary.emiss

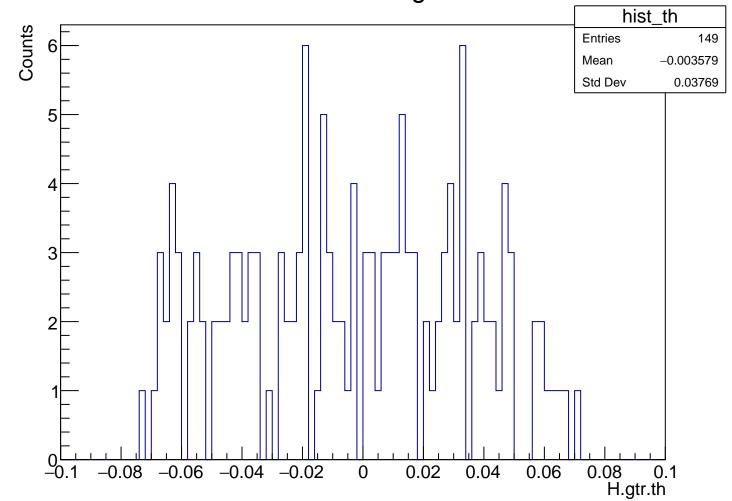


Run 6704: NPS.kin.secondary.emiss_nuc



Run 6704: H.gtr.ph hist_ph Counts Entries 149 0.009692 Mean Std Dev 0.01398 6 5 4 3 2 -0.02 -0.010.04 0.05 H.gtr.ph -0.04-0.030.01 0.02 0.03 0

Run 6704: H.gtr.th



Run 6705: H.kin.W2 hist_w2 Counts Entries 3050 Mean 0.8939 90 Std Dev 0.1044 80 70 60 50 40 30 20 10 0.6 1.4 W2 0.7 8.0 0.9 1.3 1.2 1.1

Run 6705: H.kin.x_bj hist_x_bj Counts Entries 3050 Mean 0.9973 Std Dev 0.023 250 200 150 100 50 0.7 8.0 0.9

Run 6705: NPS.kin.secondary.pmiss_x hist_pmiss_x 300 Counts **Entries** 3050 0.07333 Mean Std Dev 0.05888 250 200 150 100 50 -0.2-0.40.2 0.4 0.6 Pmiss_x

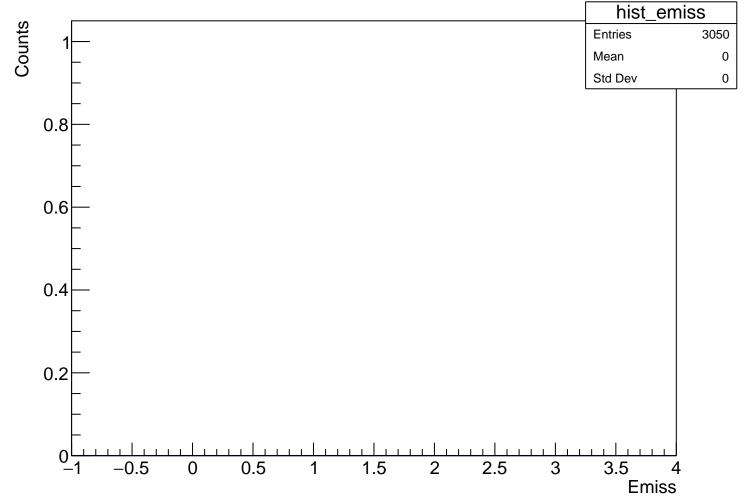
Run 6705: NPS.kin.secondary.pmiss_y hist_pmiss_y 450 Counts **Entries** 3050 -5.808e-05 Mean 400 Std Dev 0.03834 350 300 250 200 150 100 50 -0.4-0.20.2 0.4 0.6 Pmiss_y

Run 6705: NPS.kin.secondary.pmiss_z hist_pmiss_z Counts **Entries** 3050 Mean -2.778100 Std Dev 0.325 80 60 40 20 -3.5 -2.5 -1.5 Pmiss_z

Run 6705: NPS.kin.secondary.pmiss hist_pmiss Counts **Entries** 3050 140 Mean 2.772 Std Dev 0.3435 120 100 80 60 40 20 2.5 3.5 0.5 3 1.5

Pmiss

Run 6705: NPS.kin.secondary.emiss



Run 6705: NPS.kin.secondary.emiss_nuc hist_emiss_nuc Counts 30 **Entries** 3050 Mean 1.165 Std Dev 0.3826 25 20 15 10 5 -0.50.5 Emiss_nuc

Run 6705: H.gtr.ph hist_ph Counts Entries 3050 100 Mean 0.008648 Std Dev 0.01363 80 60 40 20 -0.03 0.04 0.05 H.gtr.ph -0.020.02 -0.04-0.010.01 0.03 0

Run 6705: H.gtr.th hist_th Counts Entries 3050 -0.003601 Mean 60 Std Dev 0.0366 50 40 30 20 10 0.08 0.1 H.gtr.th -0.08 -0.06 -0.04 -0.020.02 0.04 0.06 0

Run 6706: H.kin.W2 hist_w2 2500F Entries 25816 Mean 0.8727 Std Dev 0.05704 2000 1500 1000 500 8.6 1.4 W2 8.0 0.9 1.3 1.2 0.7

Run 6706: H.kin.x_bj hist_x_bj 8000F Entries 25816 Mean 1.002 7000 Std Dev 0.01253 6000 5000 4000 3000 2000 1000 8.6 1.2 x_bj 0.7 8.0 0.9

Run 6706: NPS.kin.secondary.pmiss_x hist_pmiss_x 2500 **Entries** 25816 0.08747 Mean Std Dev 0.07018 2000 1500 1000 500 -0.20.2 -0.40.4 0.6 Pmiss_x

Run 6706: NPS.kin.secondary.pmiss_y hist_pmiss_y 4000 **Entries** 25816 -0.0005363Mean 3500 Std Dev 0.04568 3000 2500 2000 1500 1000 500 -0.4-0.20.2 0.4 0.6 Pmiss_y

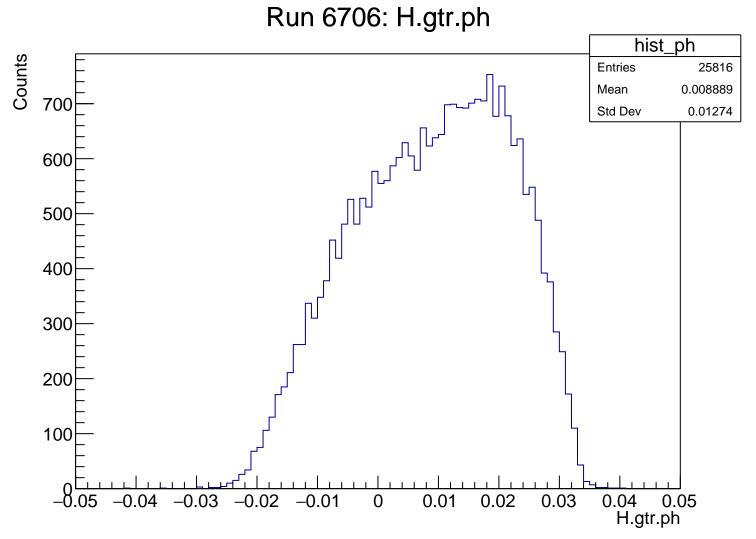
Run 6706: NPS.kin.secondary.pmiss_z hist_pmiss_z 1000 **Entries** 25816 Mean -2.7Std Dev 0.3549 800 600 400 200 -3.5-2.5 -1.5 Pmiss_z

Run 6706: NPS.kin.secondary.pmiss hist_pmiss **Entries** 25816 2.693 Mean 1200 Std Dev 0.3764 1000 800 600 400 200 2.5 1.5 3 3.5 0.5 **Pmiss**

Run 6706: NPS.kin.secondary.emiss hist_emiss **Entries** 25816 1600 Mean 2.812 Std Dev 0.4012 1400 1200 1000 800 600 400 200 3.5 1.5 2.5 -0.50.5 3

Emiss

Run 6706: NPS.kin.secondary.emiss_nuc hist_emiss_nuc **Entries** 25816 Mean -0.08211 3500 Std Dev 0.1537 3000 2500 2000 1500 1000 500 -0.5 0.5 Emiss_nuc



Run 6706: H.gtr.th hist_th Counts 500 Entries 25816 -0.002654Mean Std Dev 0.03662 400 300 200 100 0.08 0.1 H.gtr.th -0.06-0.04 -0.020.02 0.04 -0.080.06 0

Run 6707: H.kin.W2 hist_w2 Counts 300 Entries 10461 Mean 0.8917 Std Dev 0.1012 250 200 150 100 50 8.6 1.4 W2 8.0 0.9 1.3 0.7 1.1

Run 6707: H.kin.x_bj hist_x_bj Counts 900 Entries 10461 Mean 0.9978 800 Std Dev 0.02234 700 600 500 400 300 200 100 1.2 x_bj 0.7 8.0 0.9 1.1

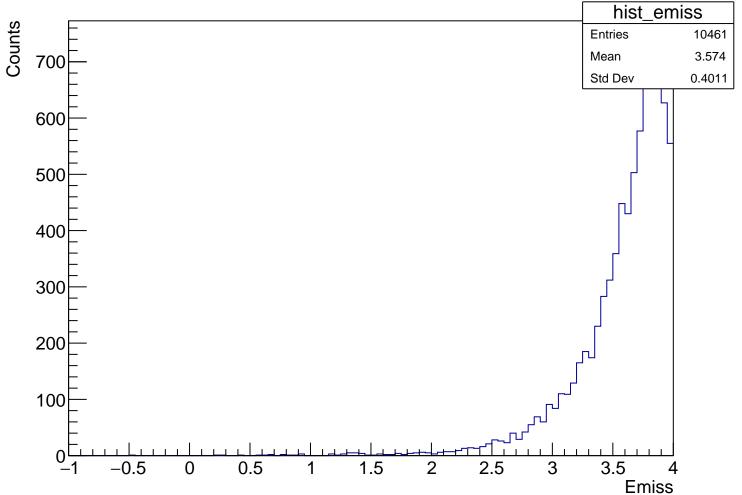
Run 6707: NPS.kin.secondary.pmiss_x hist_pmiss_x **Entries** 10461 0.1002 1000 Mean Std Dev 0.07554 800 600 400 200 -0.20.2 -0.40.4 0.6 Pmiss_x

Run 6707: NPS.kin.secondary.pmiss_y hist_pmiss_y **Entries** 10461 1400 -0.001534Mean Std Dev 0.05134 1200 1000 800 600 400 200 -0.4-0.20.4 0.2 0.6 Pmiss_y

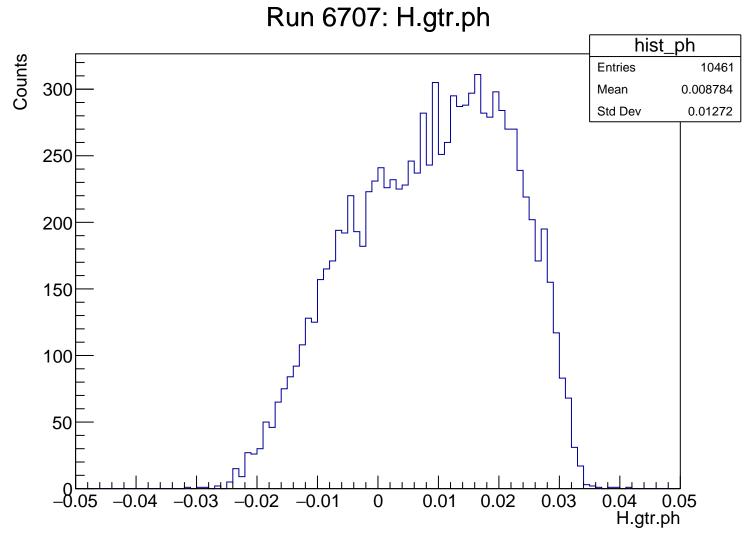
Run 6707: NPS.kin.secondary.pmiss_z hist_pmiss_z Counts **Entries** 10461 450 -2.624Mean Std Dev 0.3659 400 350 300 250 200 150 100 50 -3.5-2.5 -1.5 Pmiss_z

Run 6707: NPS.kin.secondary.pmiss hist_pmiss Counts **Entries** 10461 600 Mean 2.615 Std Dev 0.3899 500 400 300 200 100 0.5 2.5 3.5 1.5 3 **Pmiss**

Run 6707: NPS.kin.secondary.emiss



Run 6707: NPS.kin.secondary.emiss_nuc hist_emiss_nuc Counts 900 **Entries** 10461 0.7085 Mean 800 Std Dev 0.1994 700 600 500 400 300 200 100 -0.50.5 Emiss_nuc



Run 6707: H.gtr.th hist_th Counts Entries 10461 200 Mean -0.002515Std Dev 0.03677 180 160 140 120 100 80 60 40 20 0.08 0.1 H.gtr.th -0.08 -0.06-0.04 -0.020.02 0.04 0.06 0

Run 6708: H.kin.W2 hist_w2 Counts Entries 13148 Mean 0.8612 1400 Std Dev 0.05455 1200 1000 800 600 400 200 8.6 8.0 0.9 1.3 0.7 1.4 W2

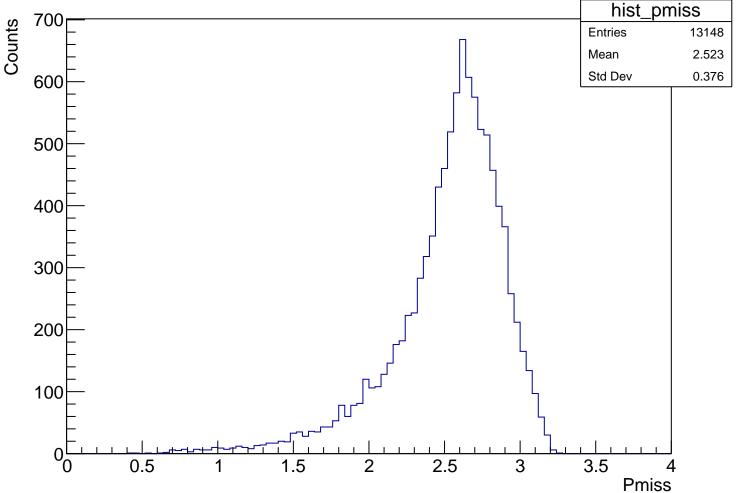
Run 6708: H.kin.x_bj hist_x_bj Entries 13148 Mean 1.005 4000 Std Dev 0.01283 3500 3000 2500 2000 1500 1000 500 1.2 x_bj 0.7 8.0 0.9

Run 6708: NPS.kin.secondary.pmiss_x hist_pmiss_x **Entries** 13148 0.1014 Mean 1000 Std Dev 0.07854 800 600 400 200 -0.20.2 -0.40.4 0.6 Pmiss_x

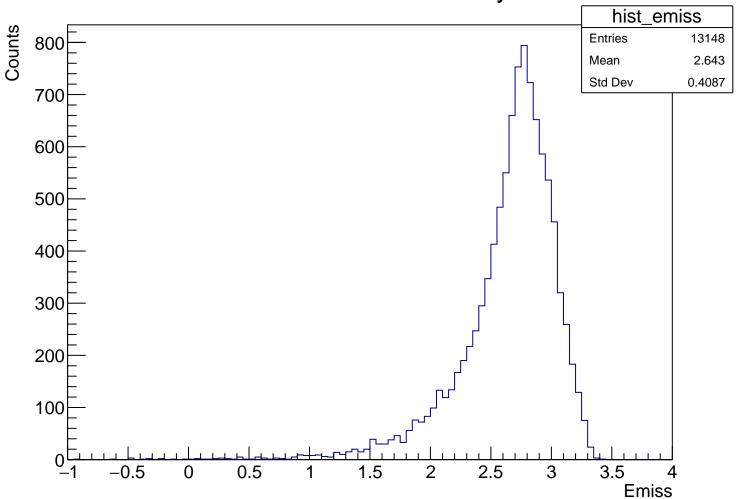
Run 6708: NPS.kin.secondary.pmiss_y hist_pmiss_y **Entries** 13148 1800 Mean -0.0003148Std Dev 0.04739 1600 1400 1200 1000 800 600 400 200 -0.4-0.20.2 0.4 0.6 Pmiss_y

Run 6708: NPS.kin.secondary.pmiss_z hist_pmiss_z Counts **Entries** 13148 500 Mean -2.532Std Dev 0.3546 400 300 200 100 -3.5 -2.5 -1.5Pmiss_z

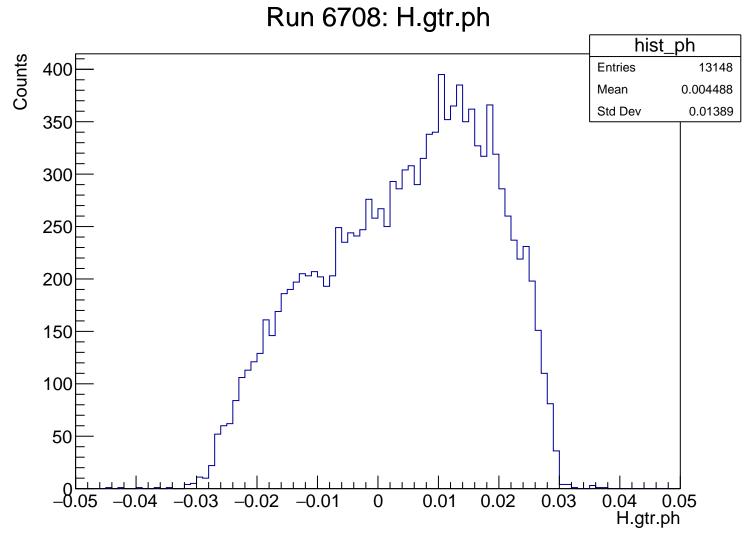
Run 6708: NPS.kin.secondary.pmiss



Run 6708: NPS.kin.secondary.emiss



Run 6708: NPS.kin.secondary.emiss_nuc hist_emiss_nuc **Entries** 13148 1600 -0.0542Mean Std Dev 0.2227 1400 1200 1000 800 600 400 200 -0.5 0.5 Emiss_nuc



Run 6708: H.gtr.th hist_th Counts Entries 13148 250 -0.0009034Mean Std Dev 0.03666 200 150 100 50 0.08 0.1 H.gtr.th -0.08 -0.06-0.04 -0.020.02 0.04 0.06 0