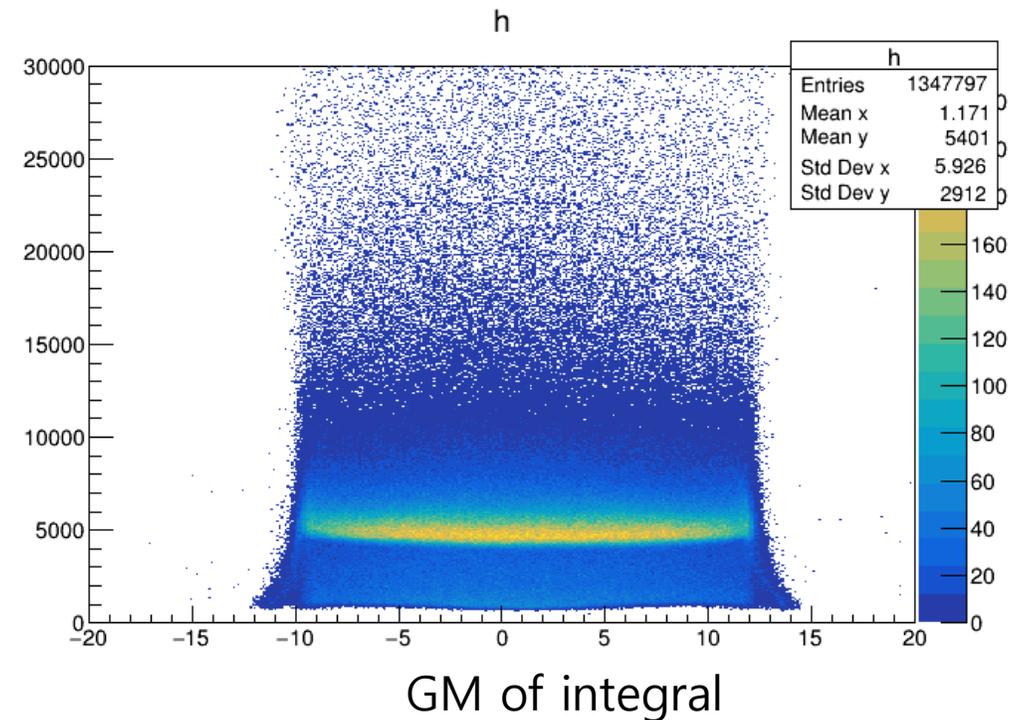
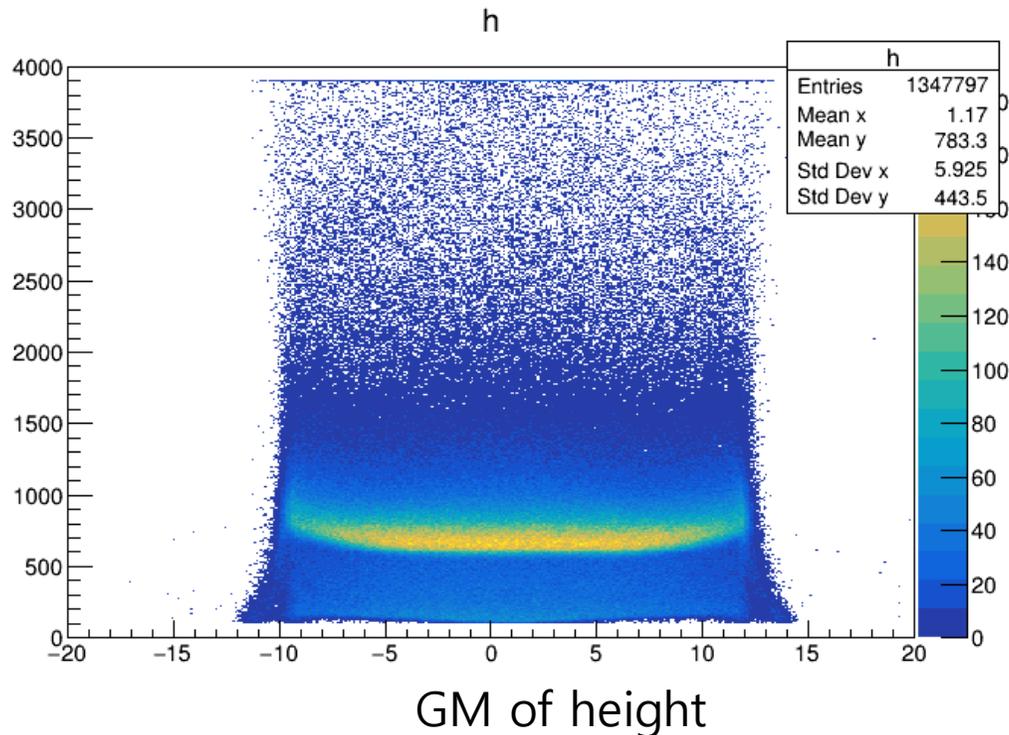


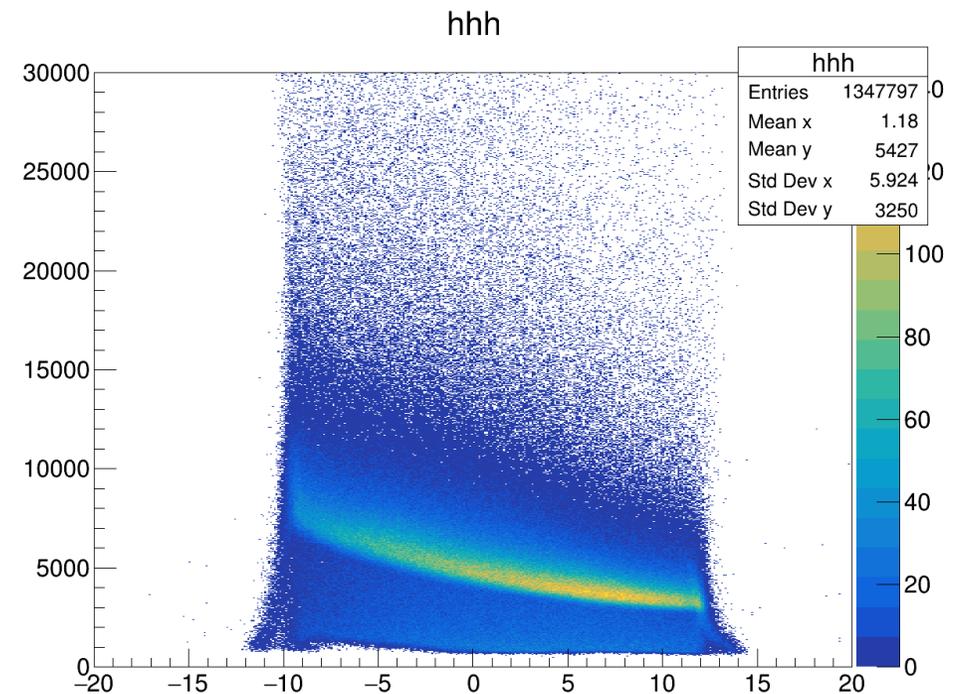
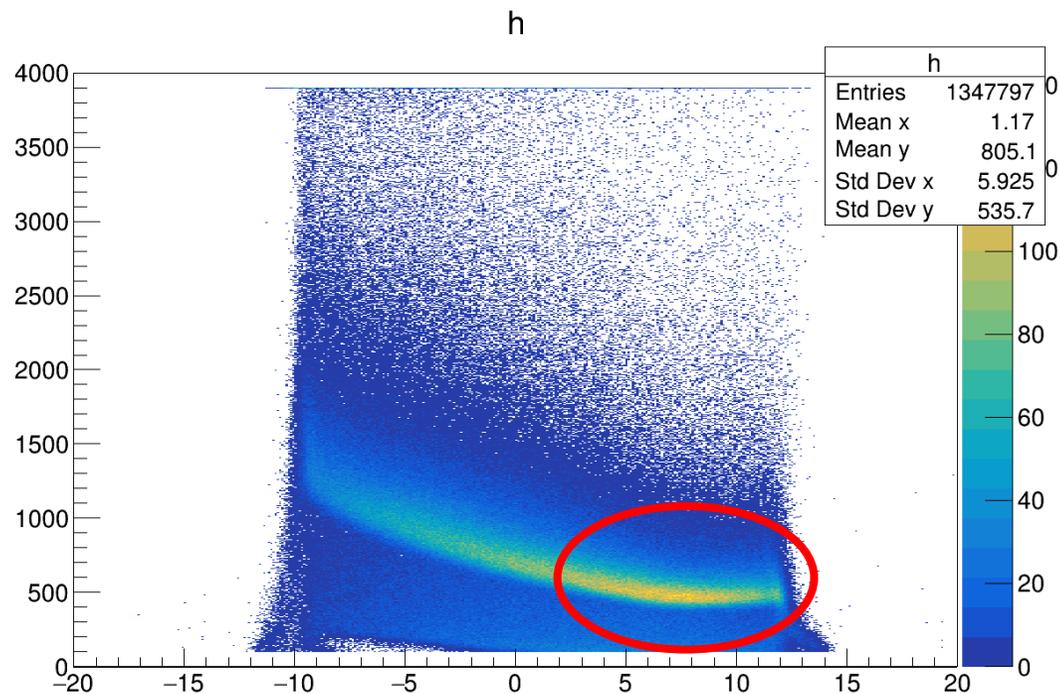
Deposit energy position dependency

- Geometric mean of height shows position dependency.
- Geometric mean of integral shows position dependency but its degree is smaller than height one.



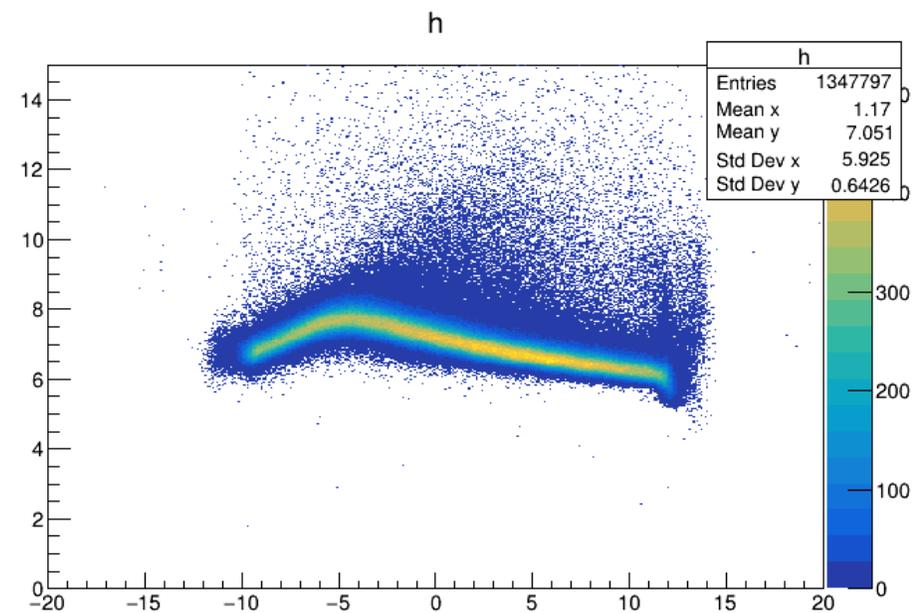
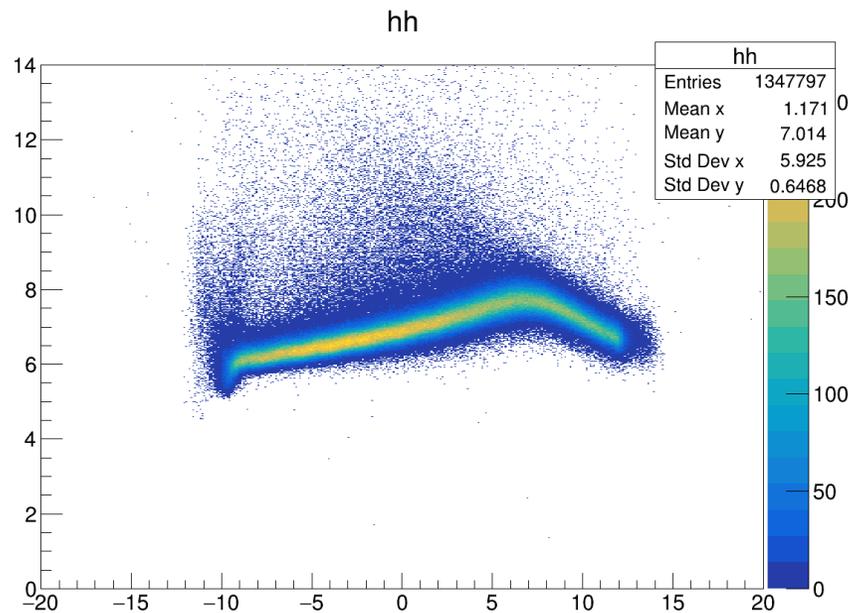
Deposit energy position dependency

- For left PMT, height(left) and integral(right).
- Height clearly shows non-exponential behavior at the right side of bar. (integral also shows the behavior but it is smaller)



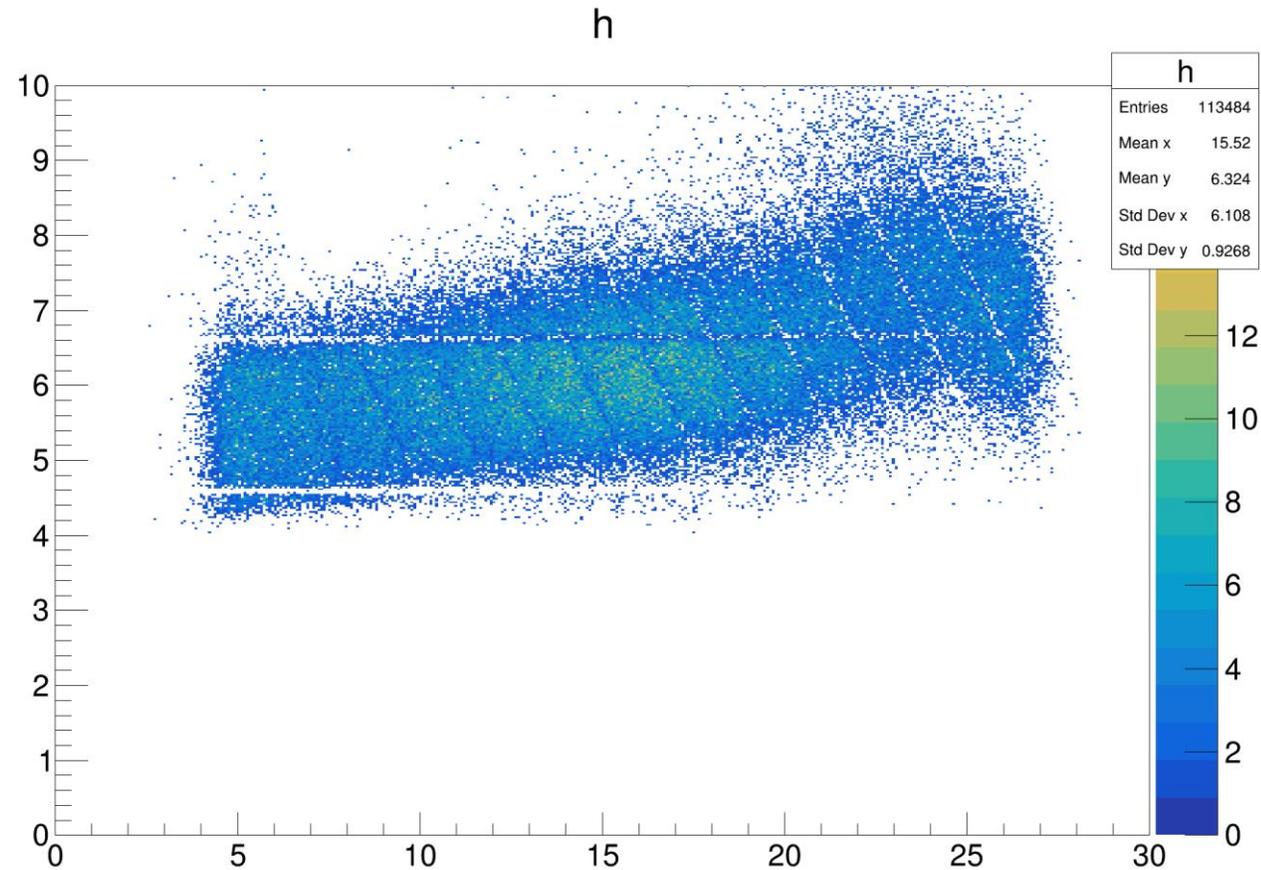
Integral-height Ratio

- Left PMT (left), right PMT (right)
- Integral/height \rightarrow bigger \rightarrow pulse broadening ?



Pulse broadning

- Rise time of left (max point – t0)



Possible consideration

- Reflected photon from the other side
- Before some point, pulse is broaden by some transversal reflection.
- After the point, pulse is re-sharpened because of domination of right side reflection.

