MOTOR AFFECTS

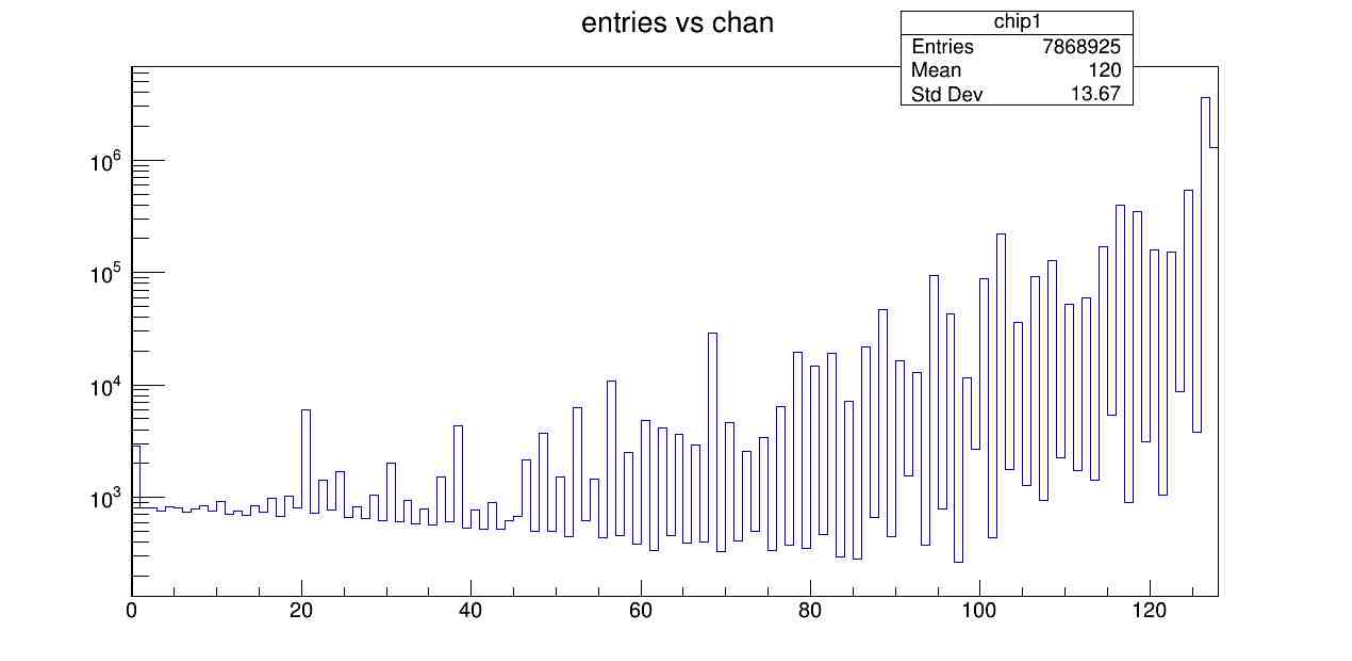
NWU

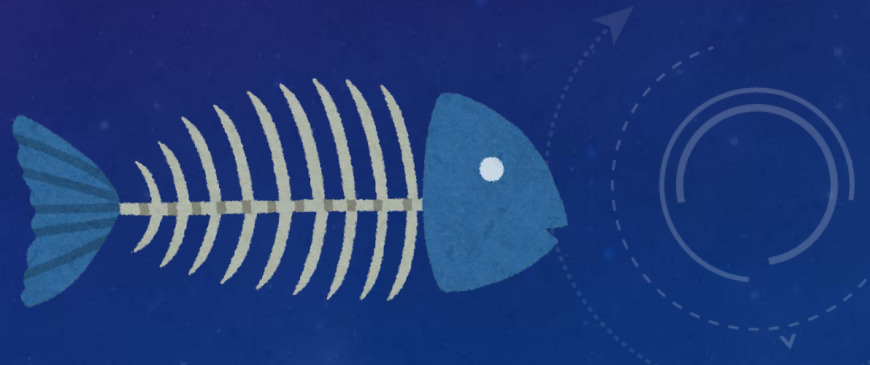
YUMIKA NAMIMOTO

FISH-BONE PHENOMENON

- Now I check the operation of source test structure.

- I found “Fish-bone” phenomenon. It observed when we use source test fixture.

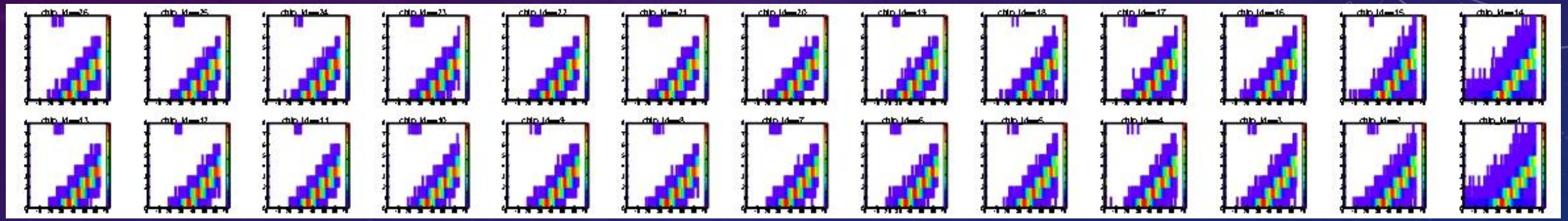




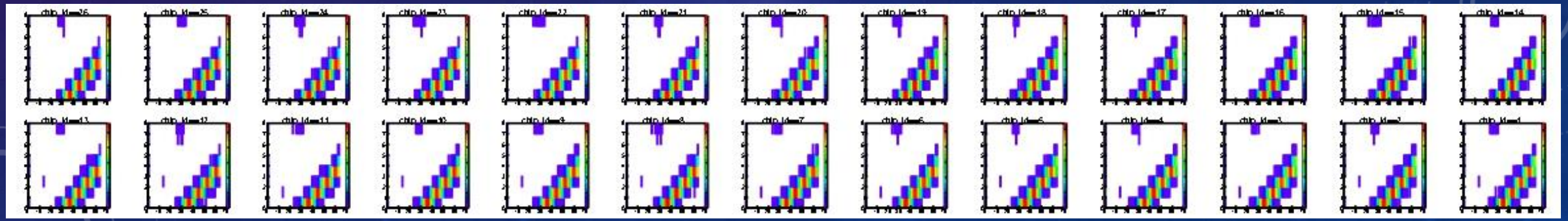
MOTOR AFFECT: CALIBRATION TEST

- Source test fixture's motor affects calibration test result.

Motor ON

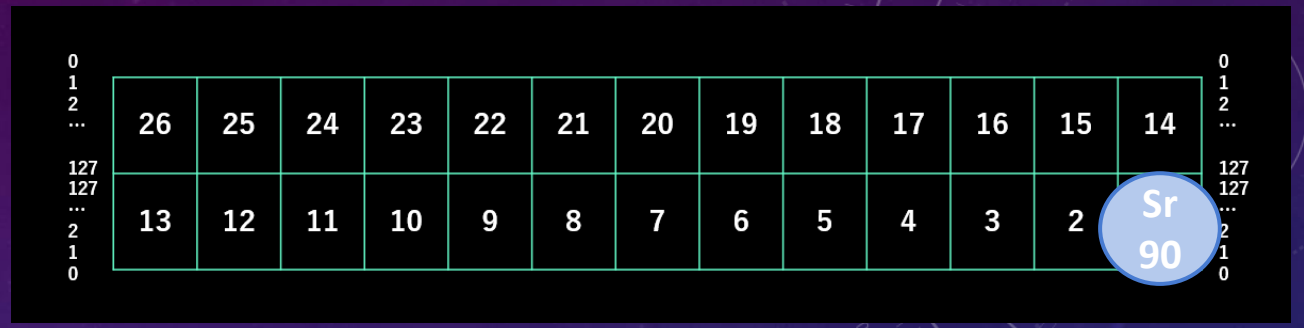


Motor OFF

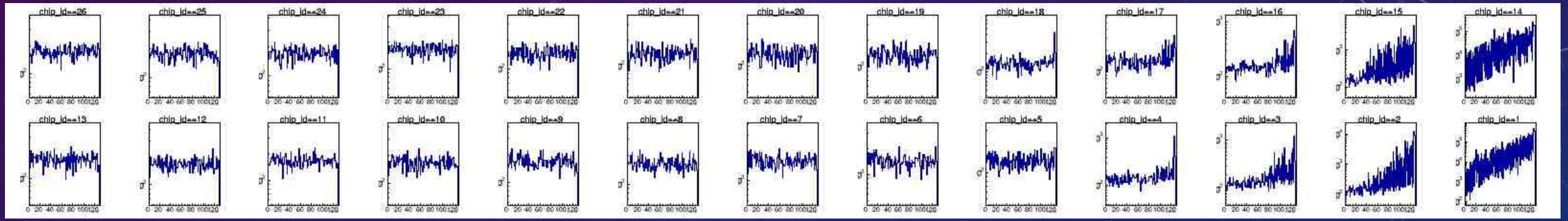


MOTOR AFFECT: SOURCE TEST

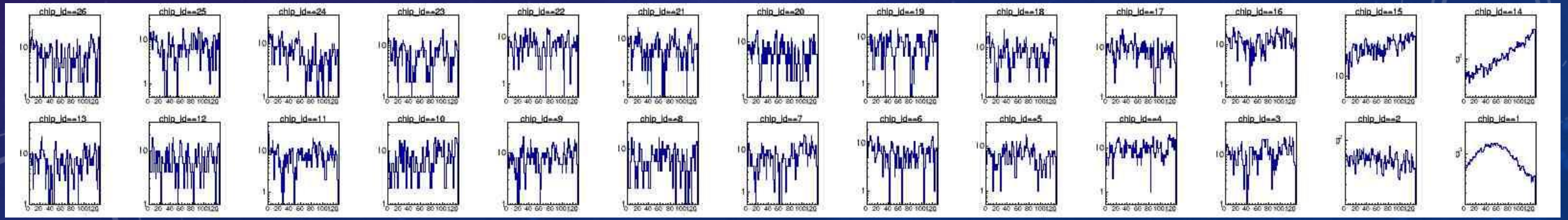
- I check that motor affects source test result or not.
- Source on chip1.



Motor ON



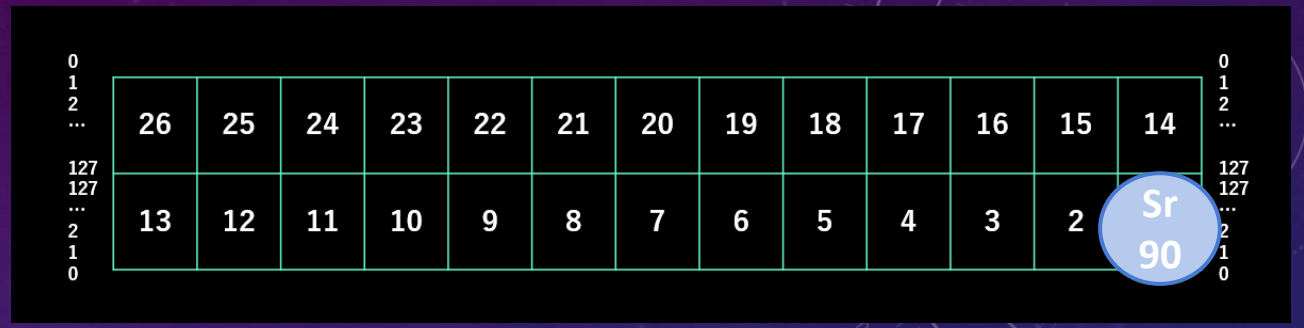
Motor OFF



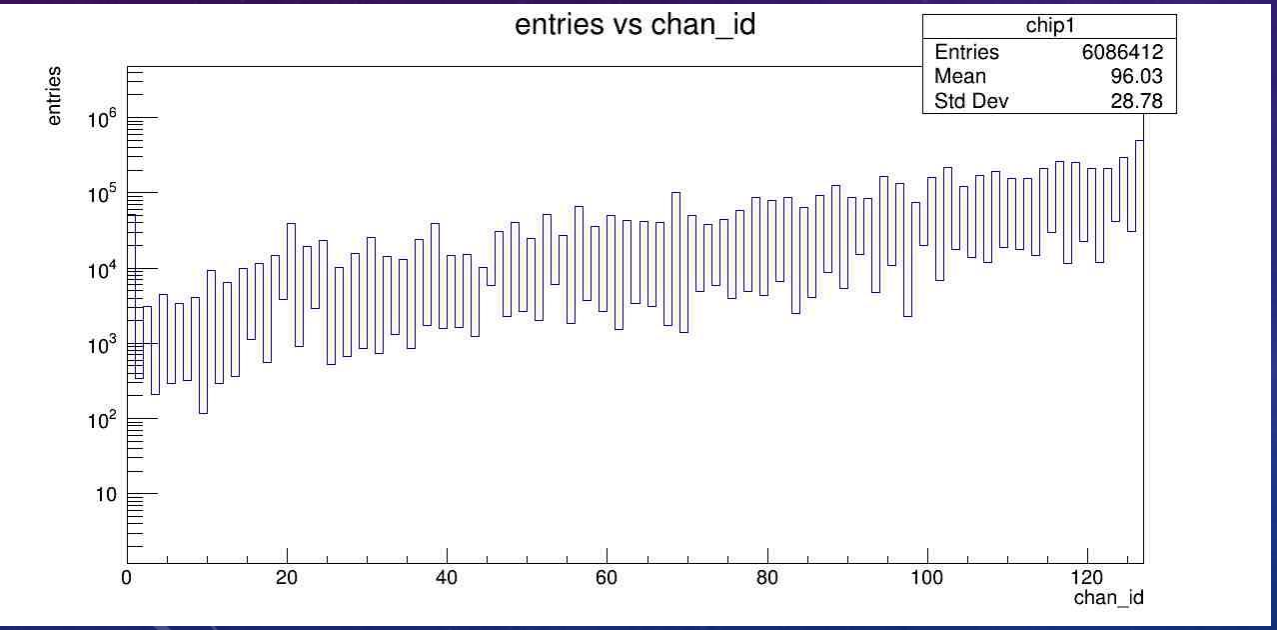
MOTOR AFFECT: SOURCE TEST

- It is zoomed picture about chip1 channel-distribution.
- Motor ON result shows “fish-bone” phenomenon,

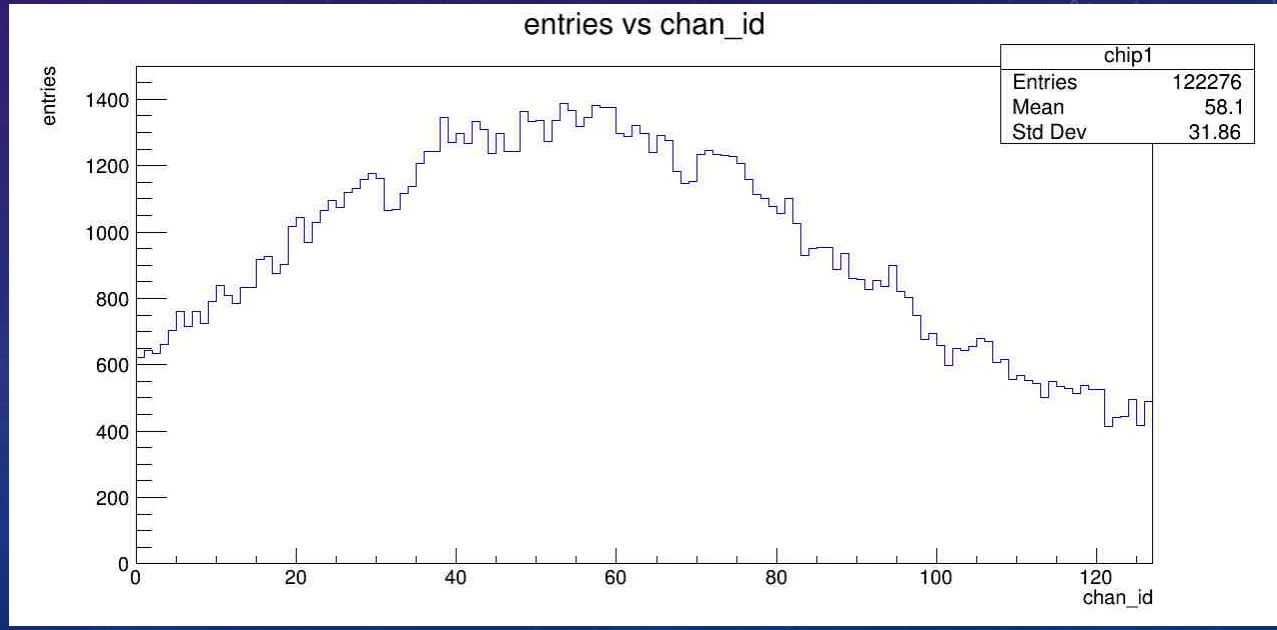
and Motor OFF result doesn’t show it.



Motor ON

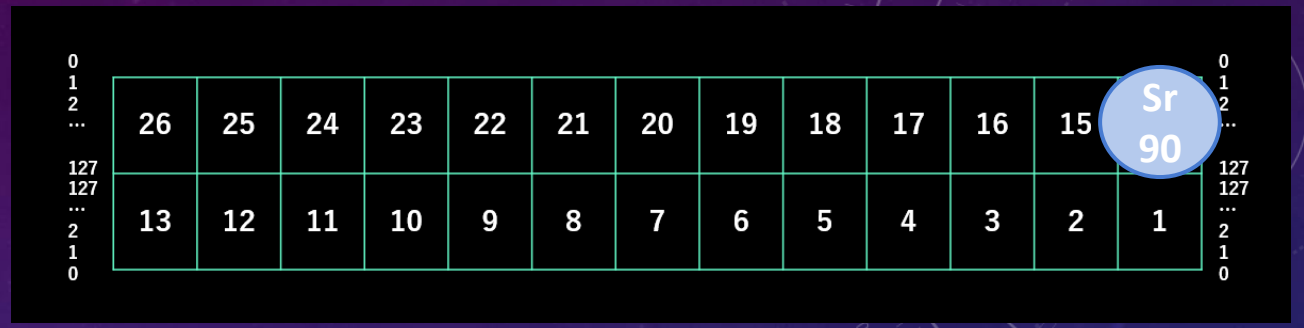


Motor OFF

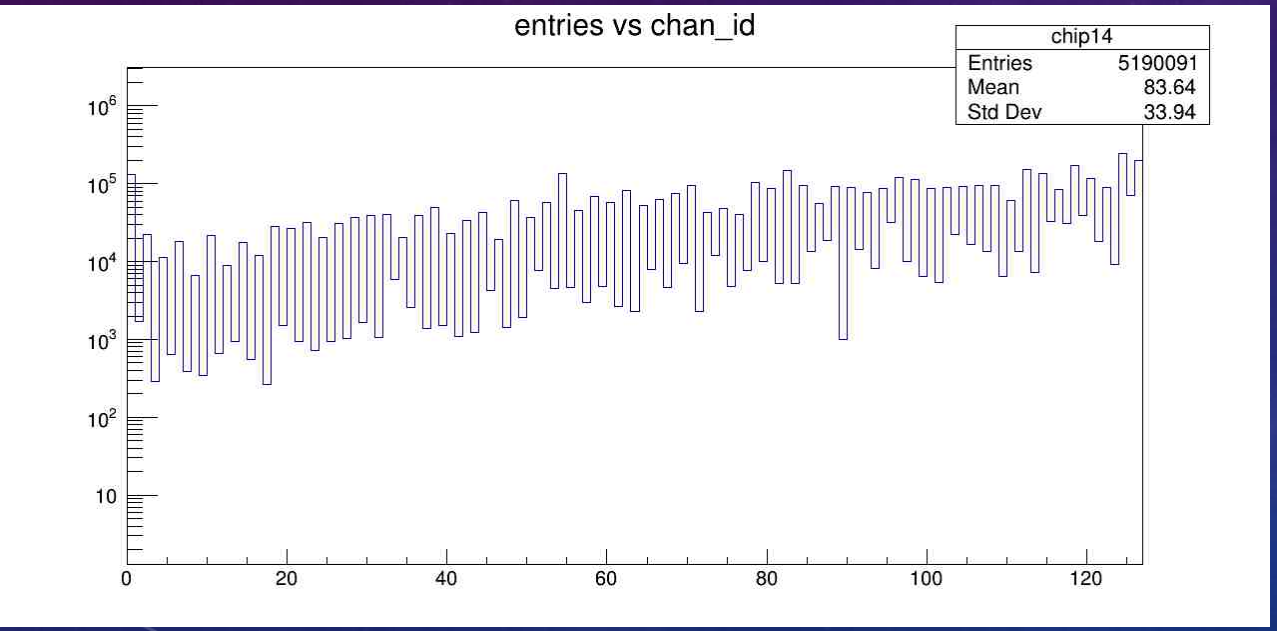


MOTOR AFFECT: SOURCE TEST

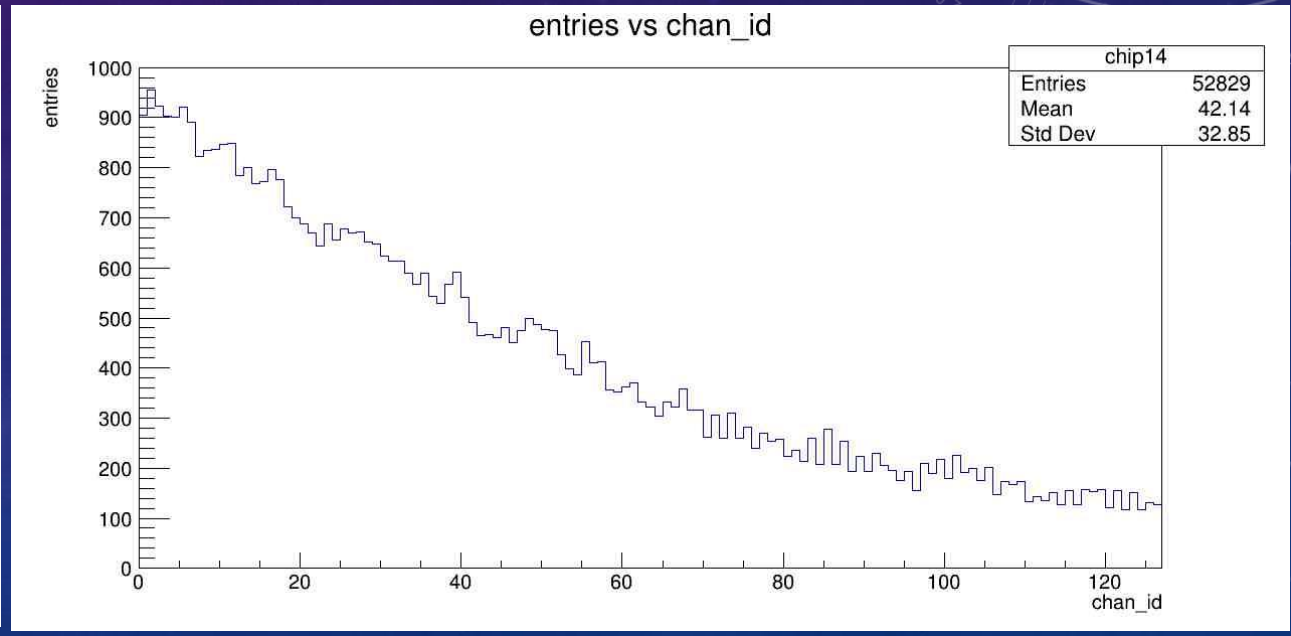
- About chip14, we gets same result.



Motor ON

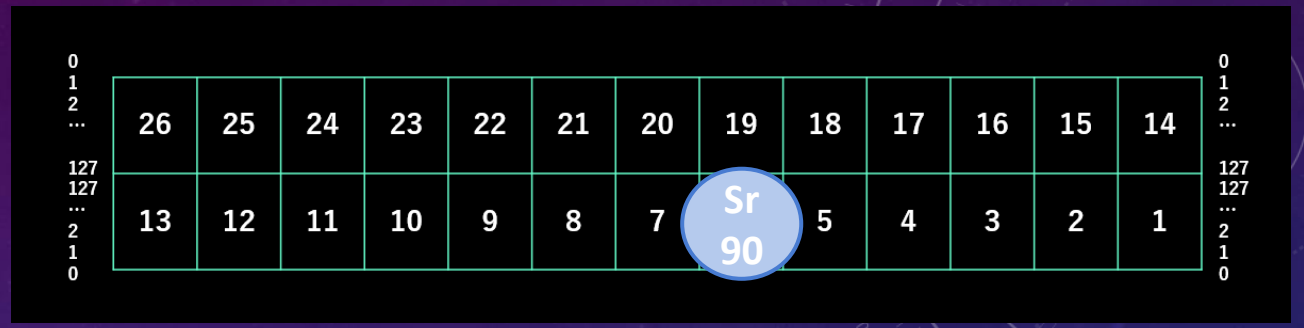


Motor OFF

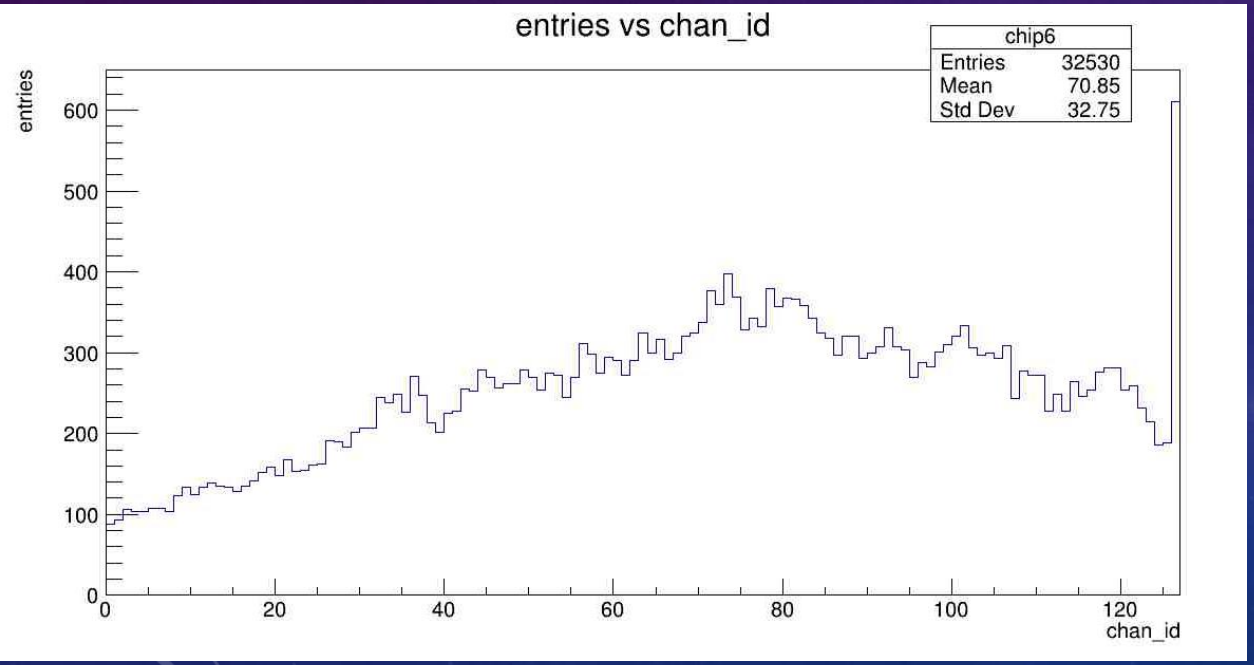


MOTOR AFFECT: SOURCE TEST

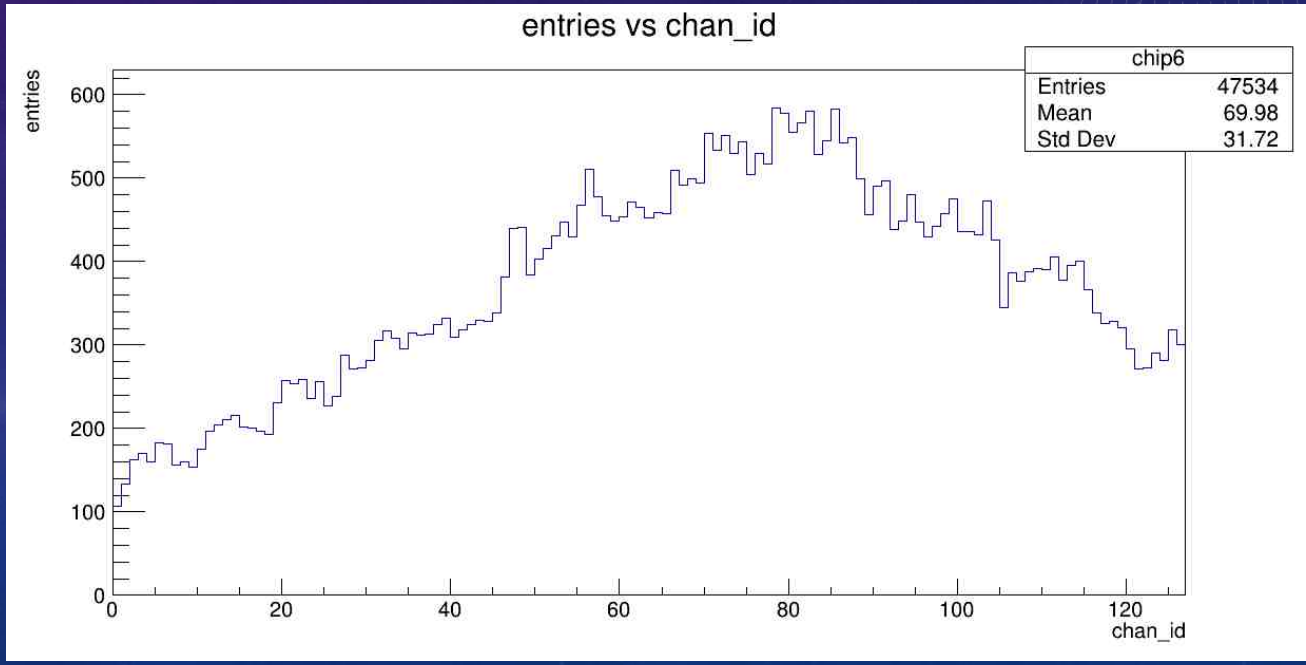
- I cannot find motor affects at chip6.



Motor ON

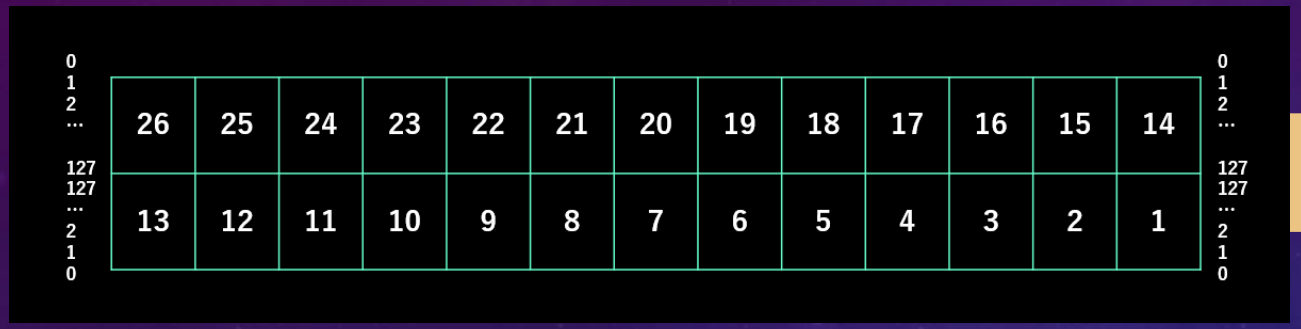


Motor OFF



SUMMARY

- I can find motor effects on source test at chip1,14.
- If motor power ON, we can show fish-bone phenomenon. If it OFF, fish-bone phenomenon doesn't show.



- I cannot find motor effects at chip6.

→Does Fish-bone phenomenon show at some chips close to HDI?