

## Estimation of Neutron Irradiation of p-type Silicon Sensor for ALICE FoCal detector <sub>co-Author</sub>:

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- In order to evaluate the performance of p-type Si sensor, Neutron irradiation test was conducted at Riken RANS.
- The result of the total neutron dose achieved target value  $(10^{14}/cm^2)$ , which is assumed in the ALICE experiment.
- The irradiated neutron dose of sensors could also be estimated.

 $\rightarrow$ There are some differences in neutron dose of sensors depending on location of the sensors.