Experimental study of nuclide production cross sections via the natPb(p,X) reaction with GeV-energy proton incidence

Accelerator Driven System(ADS): Transmutation of minor-actinides

Evaluation of residual γ -ray dose rate

-> Nuclide production cross section

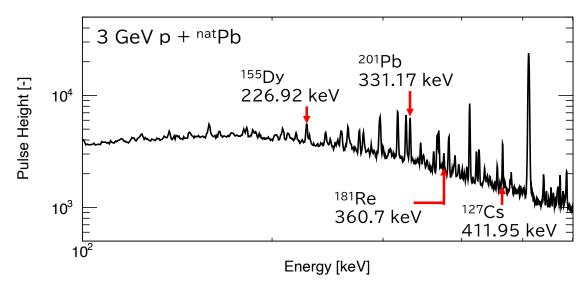
Measurement of the cross section at J-PARC by an activation technique with GeV-range protons

Here, we focus on the $^{nat}Pb(p,X)$ reaction.

As a result of our measurement, we obtained 259

nuclide production cross sections.

We present some of our results.





- *1 RCS: Rapid-Cycling Synchrotron
- *2 MLF: Materials and Life Science Experimental Facility
- *3 MR: Main Ring

