Location of the Neutron Dripline at Fluorine and Neon


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1. How long did the experiment run? Why was there such a long gap in experiments looking for the dripline beyond $^{24}$O? (Gula)

2. What makes RIKEN so well suited to perform experiments in search of dripline isotopes? Can FRIB follow-up in the quest of such isotopes, if so how far in Z can be reached? (Som)

3. What are the motivation and scientific gain in an attempt to calculate and measure the neutron dripline at higher Z nuclei? What about the proton dripline, how well is it known? (Mahesh)

4. The paper suggests that knowing the dripline is important in understanding neutron stars and supernovae. Are there any specific isotopes near the dripline discussed in literature(s) to be important in neutron star/supernovae? (Doug)

5. What is a wedge separator, and is it the best tool for this experiment? (Joey)

6. Are there any other explanations for Oxygen anomaly except Tanihata’s suggestion? (Ibrahim)

7. Why is $^{48}$Ca used as a projectile in the experiment? Could any other heavier isotope be used? (Utsav)

8. How are the confidence levels (CL) assigned/calculated? (Yenuel)

9. What are EPAX 2.15 and $Q_g$ systematics discussed in the paper? (Joseph)