

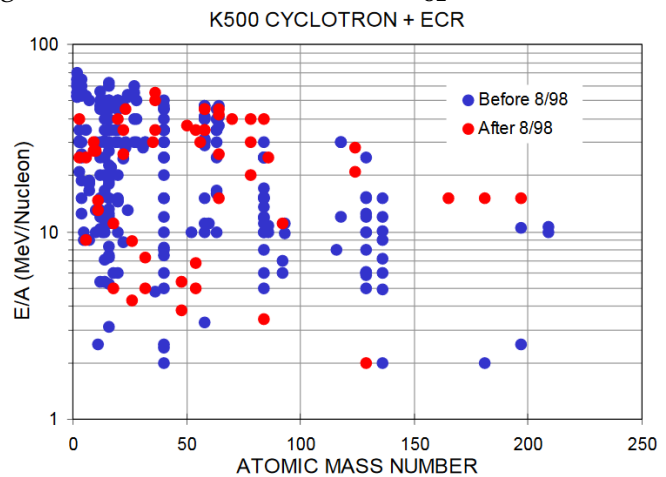
Names: _____

PHYS 7501, FS 2021

Group Activity 19

Due: In class, November 30th

1. Consider the stable ion beams that have been run with the Texas A&M K500 cyclotron.
What charge-state must they be achieving with their ECR ion source for $^{210}_{82}\text{Pb}$



2. Energy-loss versus time-of-flight generally provides a unique matrix, where each blob of events corresponds to a given isotope. However, sometimes ions do not have a unique location in the matrix. Why?