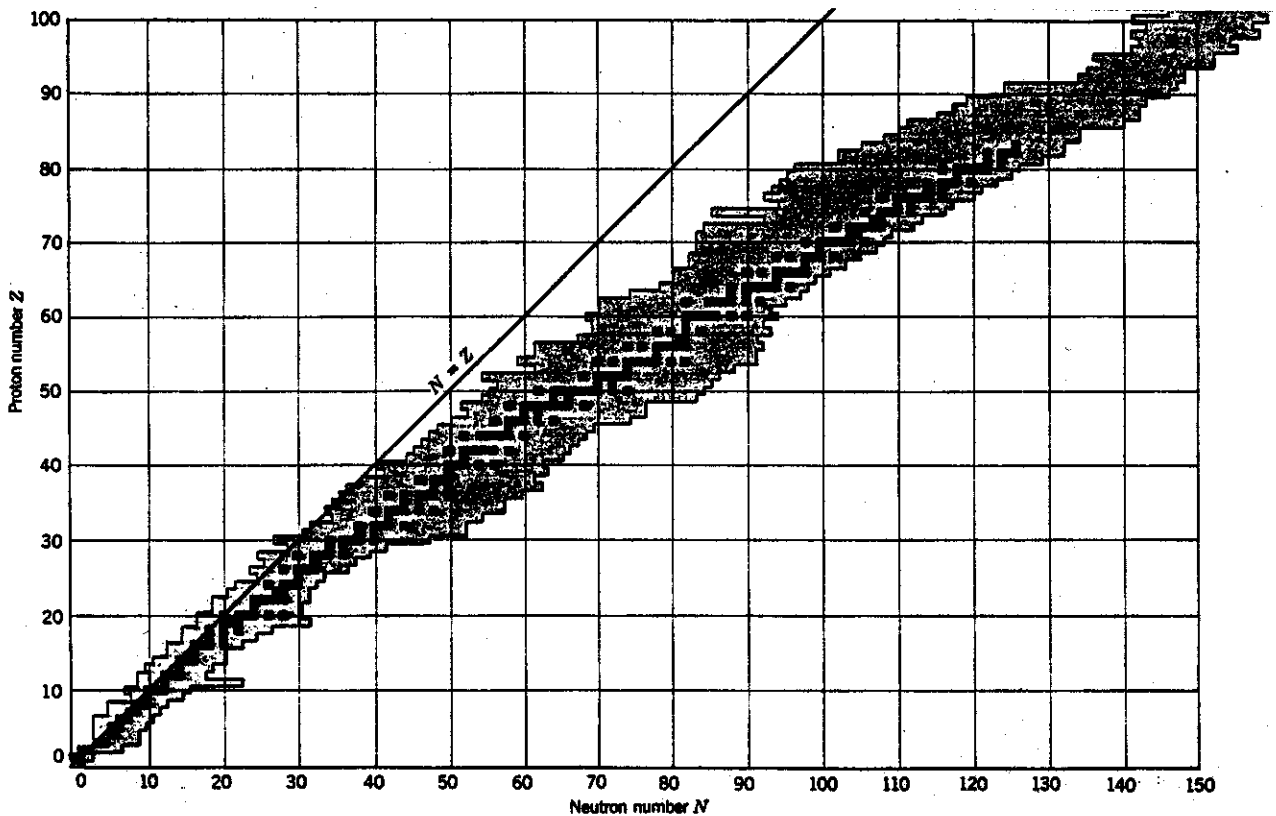
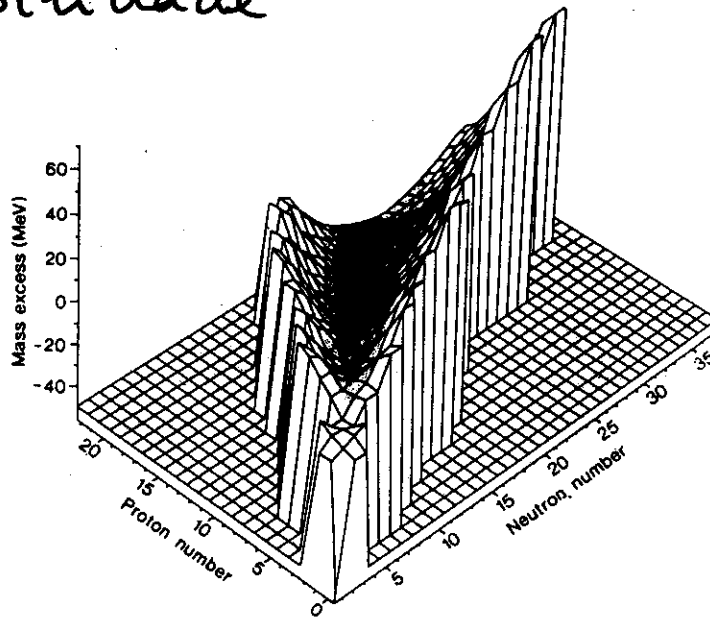


o vale de estabilidade nuclear



Afastamento da diagonal $N = Z$ para núcleos pesados