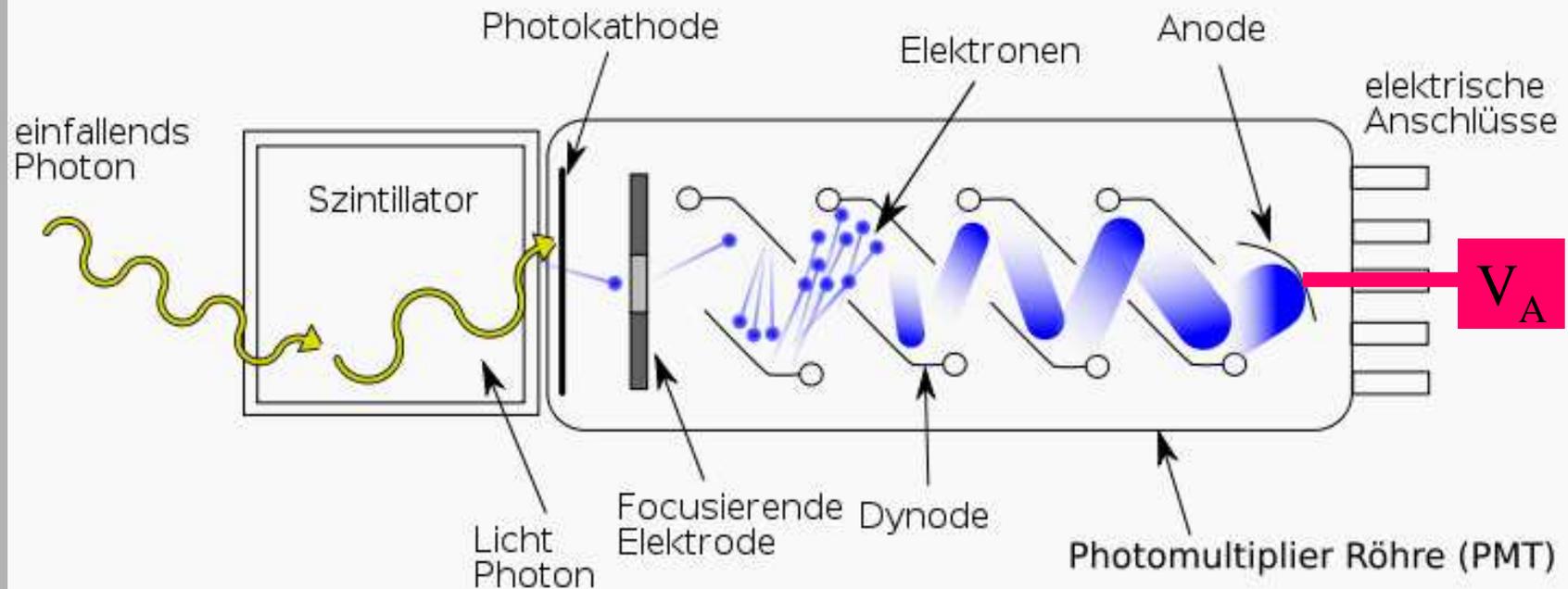




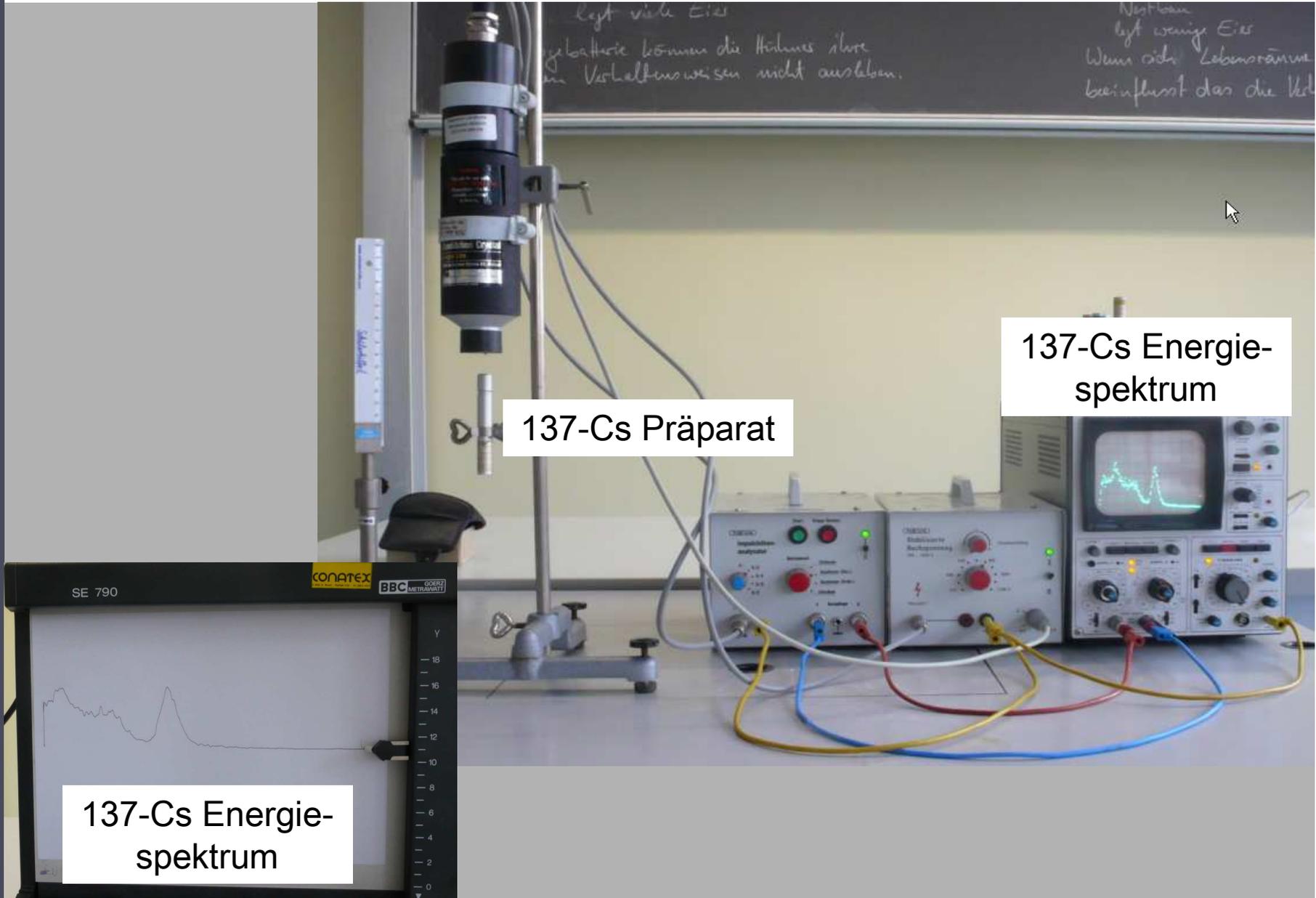
Gamma-Szintillationsspektrometer



Die **wichtigste Eigenschaft** eines Szintillationszählers ist, dass die Ausgangsspannung V_A zu der von der Strahlung im Kristall abgegebenen Energie direkt proportional ist.



Gammaspektrum von Cs-137



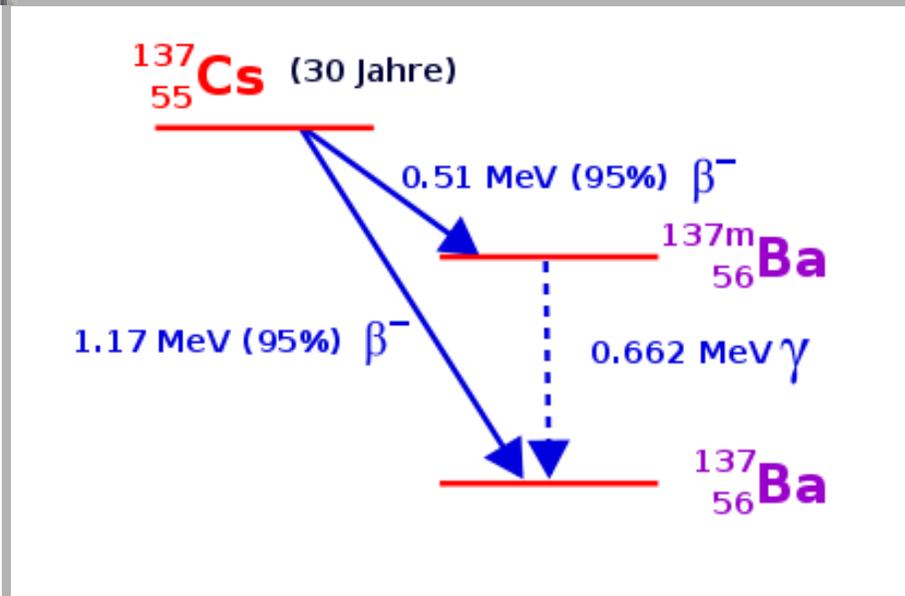
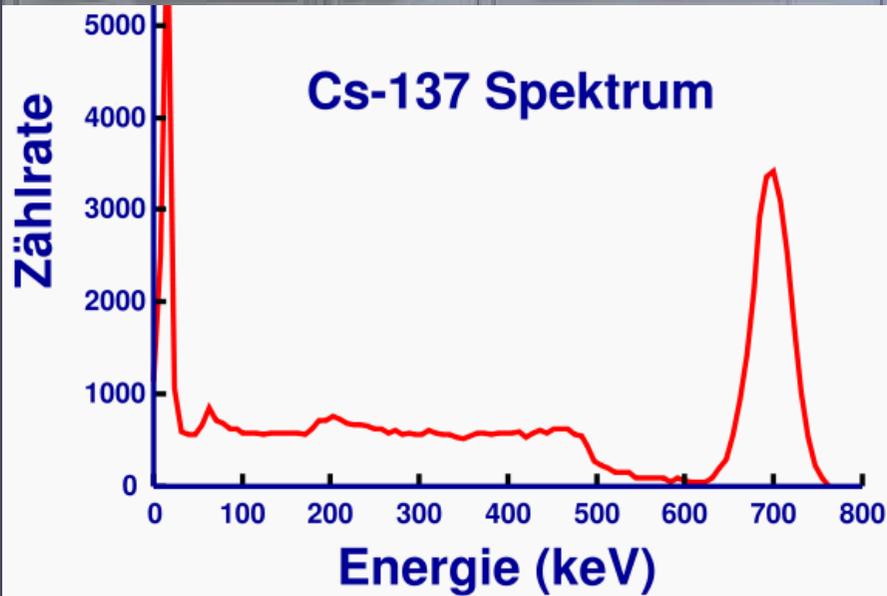
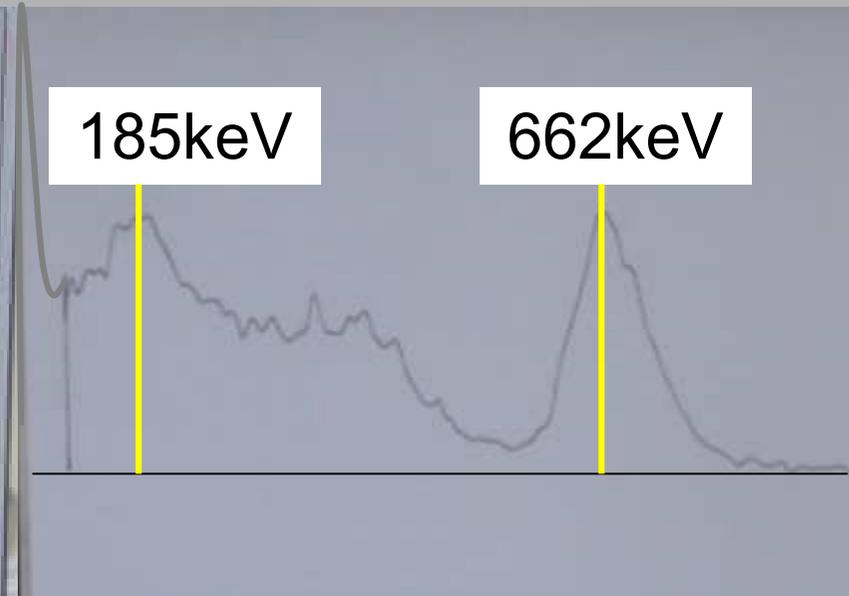
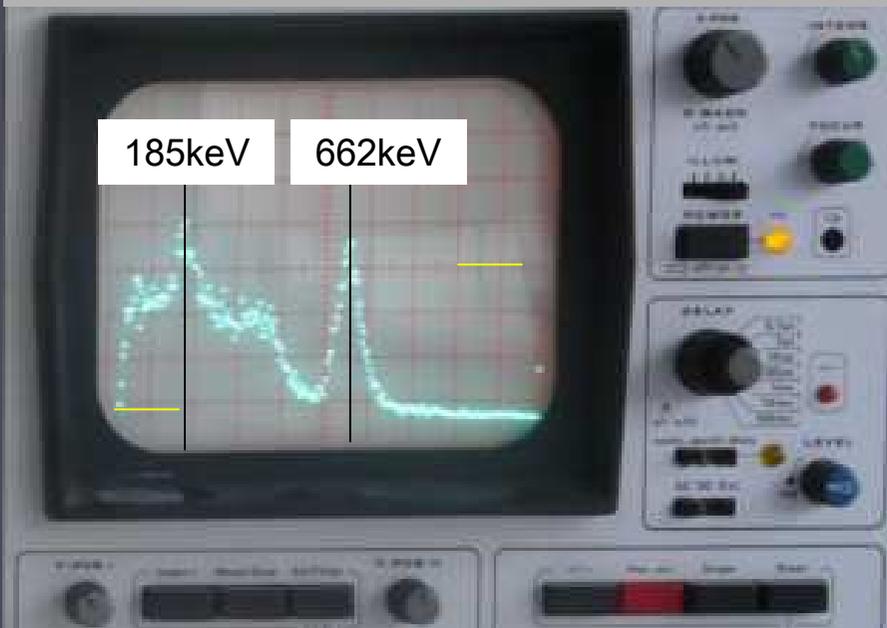
137-Cs Präparat

137-Cs Energie-
spektrum

137-Cs Energie-
spektrum

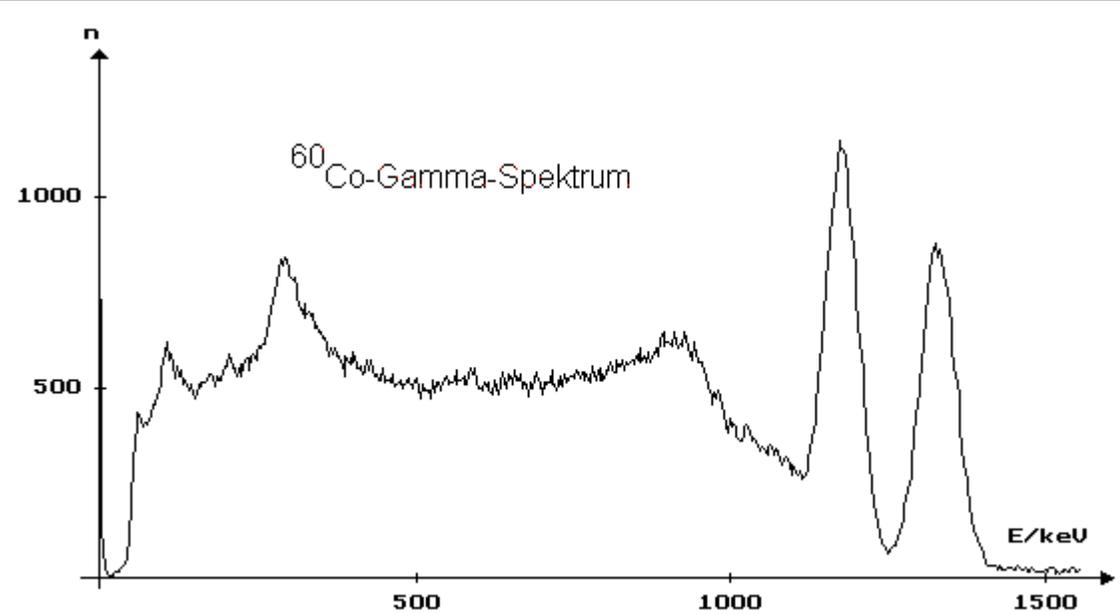
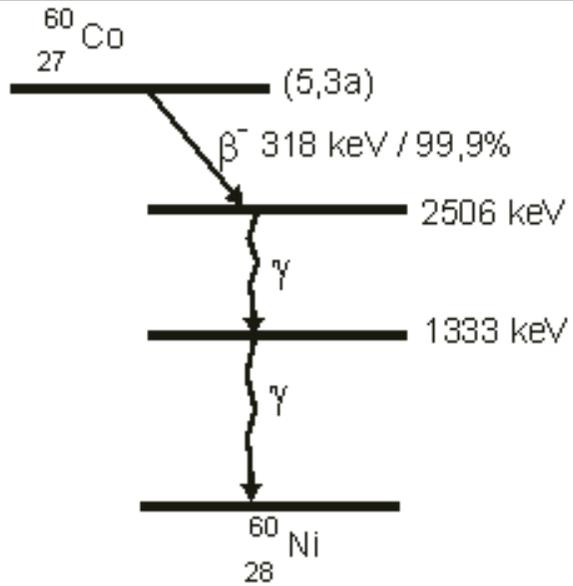


Gammaskpektroskopie Versuch



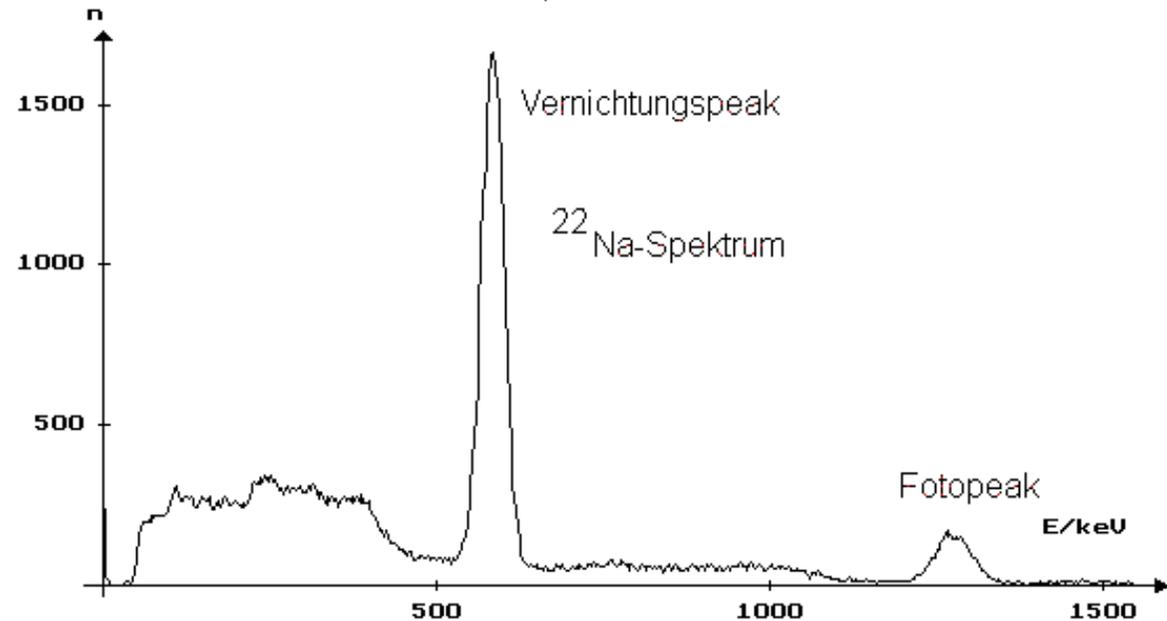
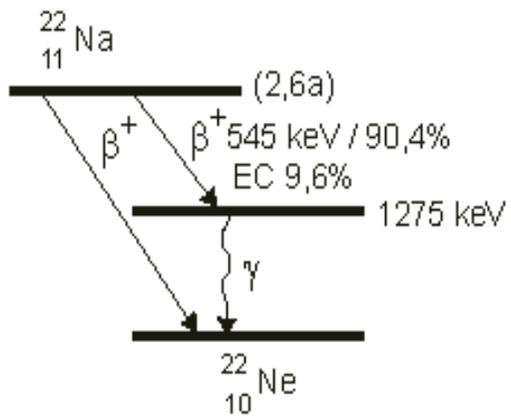


Gammastrahlung von Co-60



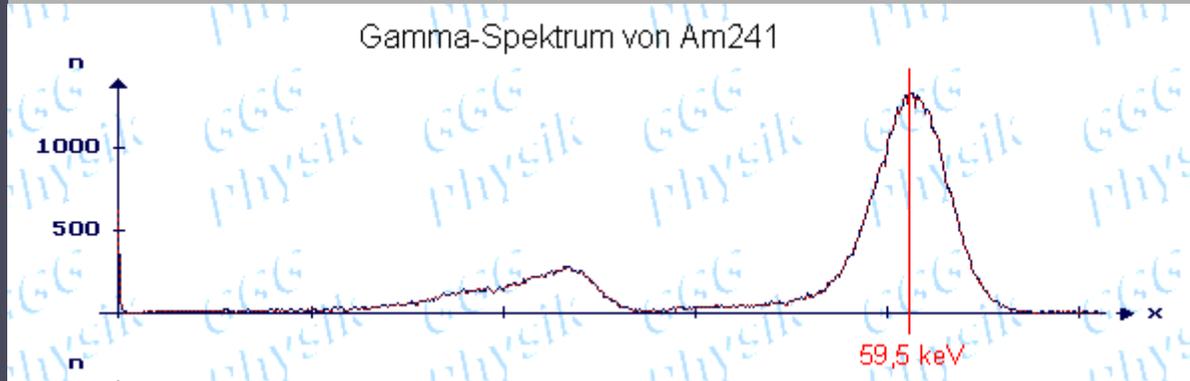


Gammaspektrum von Na-22

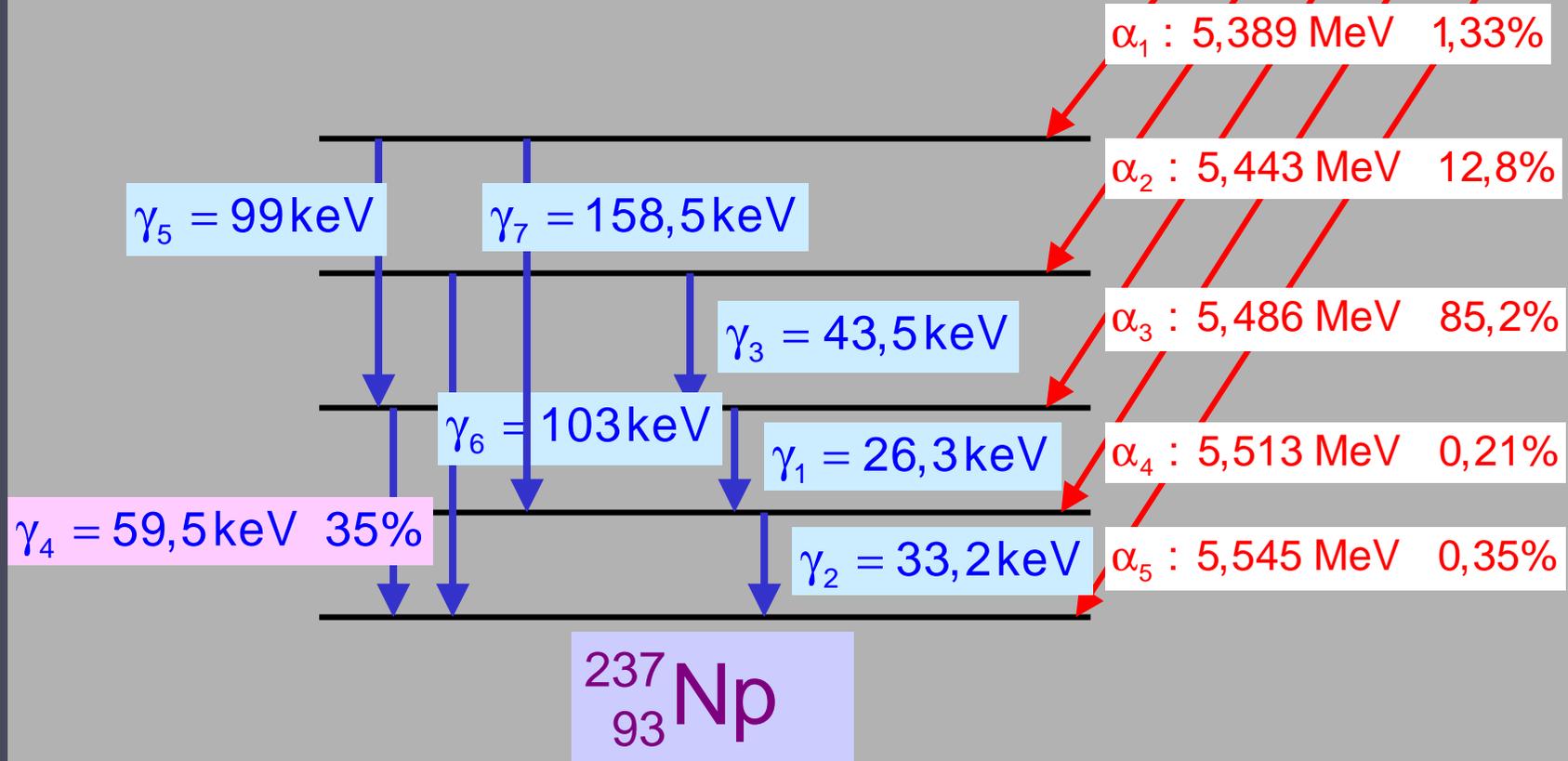




Gammaskpektrum von Am-241

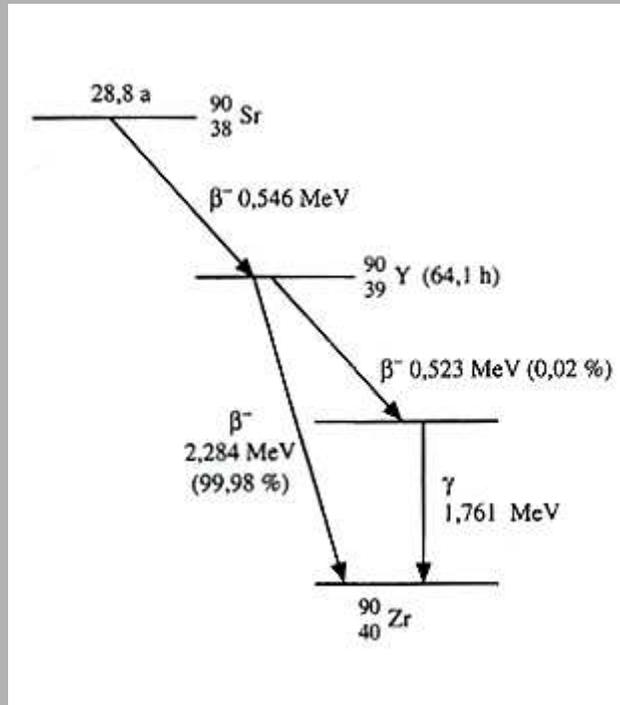


${}^{241}_{95}\text{Am}$ $T_{\frac{1}{2}} = 433\text{a}$



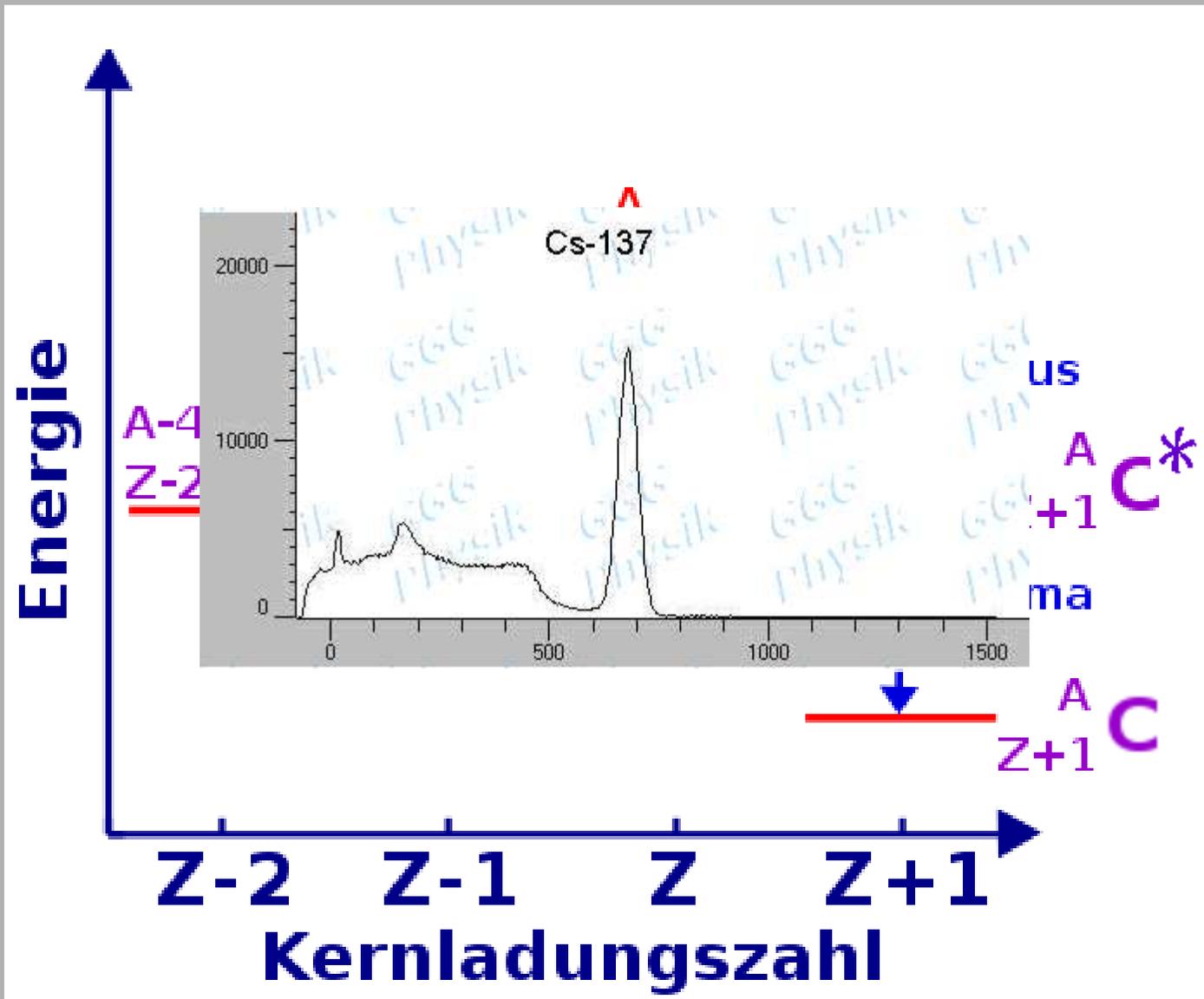


Gammaskpektrum von Sr-90



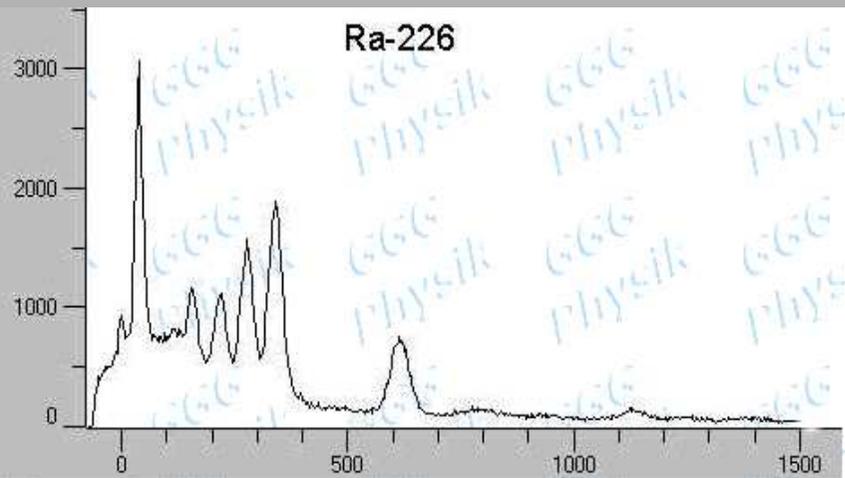
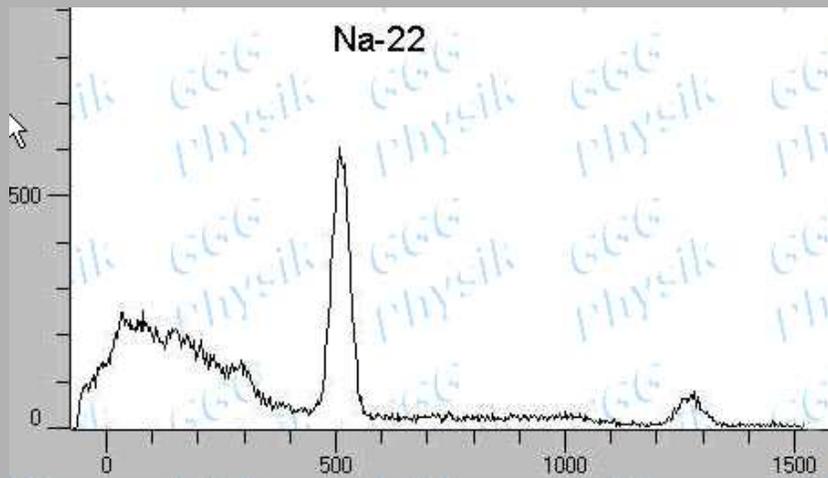
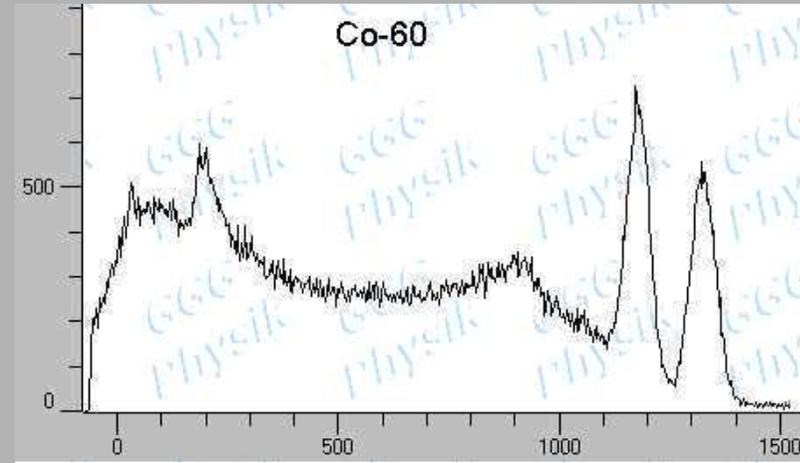
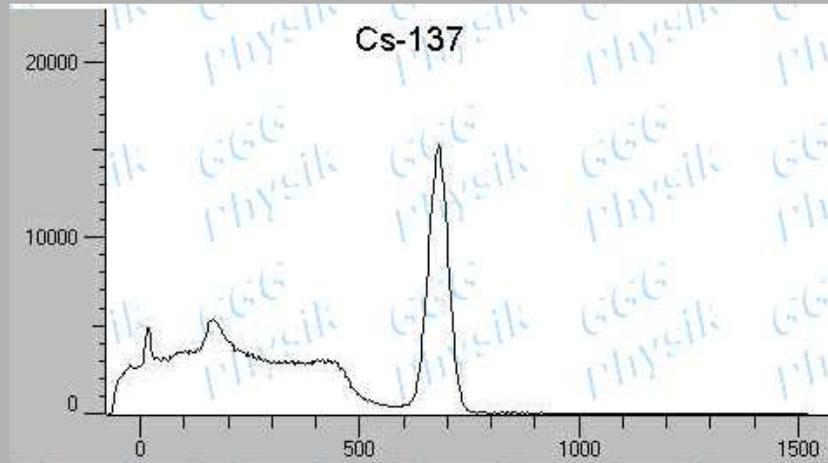


Die Zerfallsarten und ihre Spektren





Spektren





Spektren

