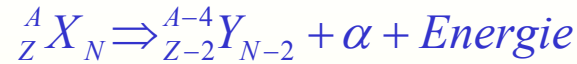
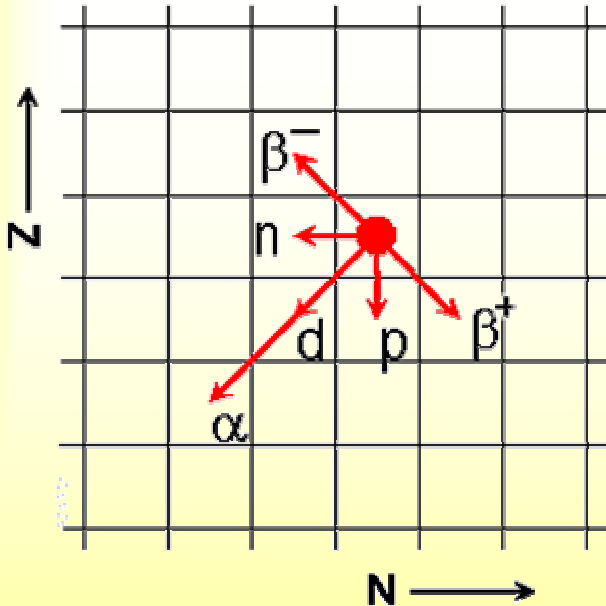


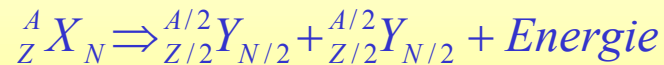
Radioaktiver Zerfall von ^{226}Ra



$$m_X(Z, N, A) = m_Y(Z-2, N-2, A-4) + m_\alpha + E_b / c^2$$

$$1u = 931,478 \text{ MeV} / c^2$$

$$226,025402u = 222,017570u + 4,002603u + 4,868 \text{ MeV}$$



$$m_X(Z, N, A) = 2 \cdot m_Y(Z/2, N/2, A/2) + E_b / c^2$$

$$226,025402u = 2 \cdot 112,92254u + 167,966 \text{ MeV}$$