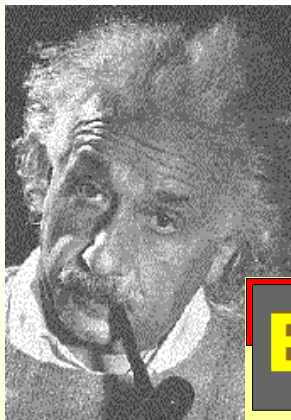


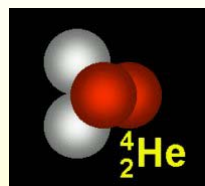
# Kernbindungsenergie und Massendefekt



$$E=mc^2$$

$$2 \cdot m_p = 2 \cdot 1,67265 \cdot 10^{-24} \text{ g} = 3,3453 \cdot 10^{-24} \text{ g}$$

$$2 \cdot m_n = 2 \cdot 1,67495 \cdot 10^{-24} \text{ g} = 3,3499 \cdot 10^{-24} \text{ g}$$



$$m_{2p+2n} = 6,6952 \cdot 10^{-24} \text{ g}$$

$$m({}^4\text{He}) = 6,6448 \cdot 10^{-24} \text{ g}$$

