

$$A = \frac{N_+ - N_-}{N_+ + N_-}$$

Kayıp zamanlar?

$$N_+ = N_+^D + N_+^P + N_+^U$$

$$N_- = N_-^D + N_-^P + N_-^U$$

Deuteriumden asımlıya:

$$A = \frac{N_+^D + N_+^P + N_+^U - N_-^D + N_-^P - N_-^U}{N_+^D + N_+^P + N_+^U + N_-^D + N_-^P + N_-^U} =$$

$$= \frac{(N_+^D - N_-^D) + (N_+^P - N_-^P) + (N_+^U - N_-^U)}{(N_+^D + N_-^D) + (N_+^P + N_-^P) + 2N^U} \approx 0$$

Unless different level times and charges!
 \uparrow
 $N_+^U = N_-^U = N^U$

Protonlara asımlıya:

$$A_p = \frac{N_+^P - N_-^P}{N_+^P + N_-^P} \Rightarrow$$

$$A_p \cdot \underbrace{(N_+^P + N_-^P)}_{N^P} = N_+^P - N_-^P$$

$$A^D = \frac{(N_+^D - N_-^D) + A_p \cdot N^P}{N_+^D + N_-^D + N^P + 2N^U} =$$

$$= \frac{(N_+^D - N_-^D)}{(N_+^D + N_-^D) + N^P + 2N^U} + \frac{A_p N^P}{N_+^D + N_-^D + N^P + 2N^U}$$

$$\begin{aligned}
 N^D &= N_+^D + N_-^D \\
 N^P &= N_+^P + N_-^P \\
 2N^U &= N_+^U + N_-^U
 \end{aligned}$$

$$N^P = \sigma \cdot N^D$$

$$N^U = \omega \cdot N^D$$

Tabela zapisana!

Predpostavljamo, da je $N^P, N^U \ll N^D$:

$$A_D = \frac{N_+^D - N_-^D}{N_+^D + N_-^D + N^D \cdot (\sigma + 2\omega)} + \frac{A_p \cdot \sigma N^D}{N^D + \sigma N^D + 2\omega N^D}$$

$$= \frac{(N_+^D - N_-^D)}{(N_+^D + N_-^D) \cdot (1 + \sigma + 2\omega)} + A_p \cdot \frac{\sigma}{1 + \sigma + 2\omega}$$

$$\approx \frac{N_+^D - N_-^D}{N_+^D + N_-^D} \underbrace{(1 - \sigma - 2\omega)} + A_p \cdot \frac{\sigma}{1 + \sigma + 2\omega}$$

Tako pride postulat v igro!

Ta je spet ene vrste delitve!

Več kot je prava, manjša je asimetrija!

Ta rezultat bo gotovo sčuden!

Ocena: $A_p \leq 0.01$, $\sigma = \omega \leq 0.1$

$$(1) A_p \cdot \frac{\sigma}{1 + \sigma + 2\omega} \leq 0.01 \frac{0.1}{1 + 0.1 + 0.2} = 8 \cdot 10^{-4} \sim 1 \cdot 10^{-3}$$

Ta stvar gotovo lahko preučimo!!

$$(2) (1 - \sigma - 2\omega) = 0.7$$

Tukaj pa je treba biti previden!

Ta delna asimetrija asimetrije za $\leq 30\%$. Tu je precej! Bodo ocenili delni σ in ω .