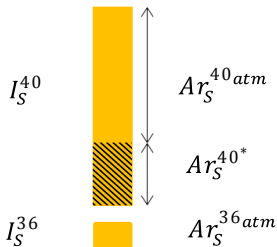


(a)

Argon released from the sample

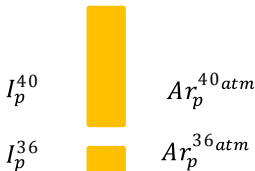


$$R_S = \frac{I_S^{40}}{I_S^{36}}$$

$$DE_S = \frac{I_S^{40} + 0.64}{51.66}$$

(b)

Atmospheric Argon from one aliquot



$$R_{atm} = \frac{I_p^{40 atm}}{I_p^{36 atm}}$$

$$n_S^{40*} [\%] = 1 - \frac{R_{atm}}{R_S}$$

$$DE_p = \frac{I_p^{40} + 0.64}{51.66}$$