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Abstract

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PACS:

Keywords:

1. Introduction

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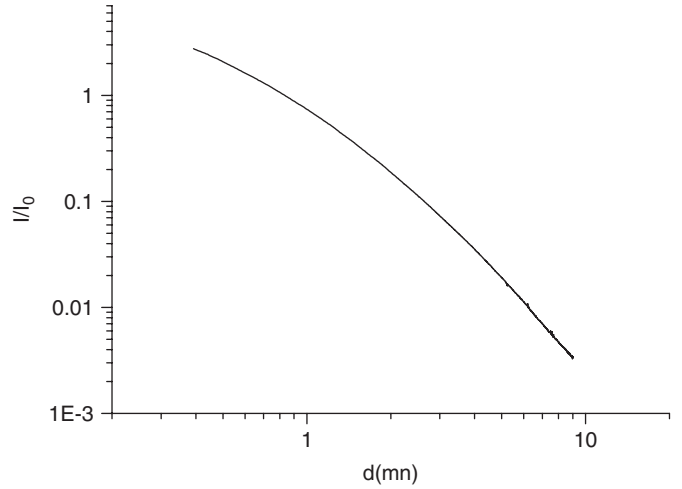
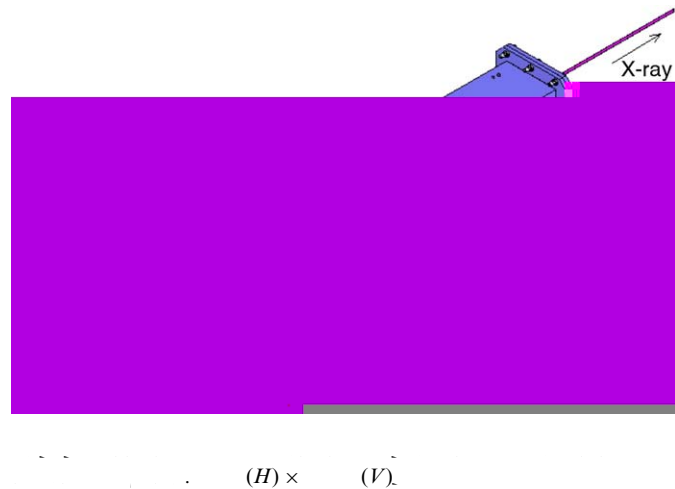
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2. Experiment method and mathematical model

2.1. Experimental geometry and components

2.2. Basic equations

$$I(d) = a \int_E^E f(E) e^{-\mu(E)d} [1 - e^{-\mu_g(E)D}] E \mu(E) D$$



$$a = Gq/\varepsilon \quad G \quad q$$

$$I(d) = a \int_E^E \frac{f(E) [1 - e^{-\mu(E)w}(\theta)]}{\mu(E)w(\theta)} \times E [1 - e^{-\mu_g(E)D}] e^{-\mu(E)d} E \theta \quad (1)$$

$$I(d) = a \int_\mu^\mu g(\mu) e^{-\mu d} \mu$$

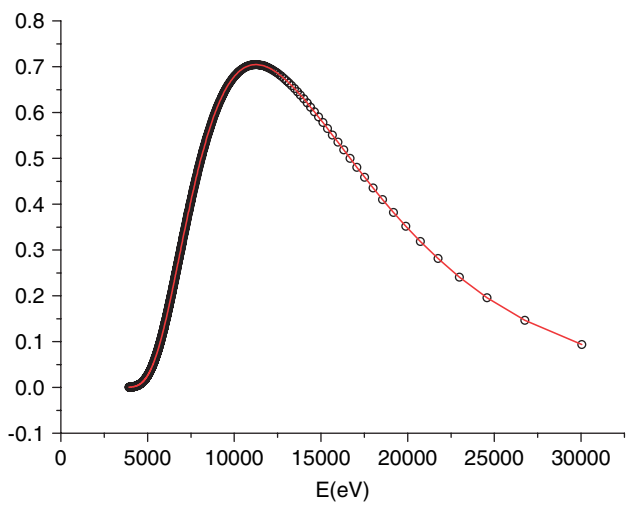
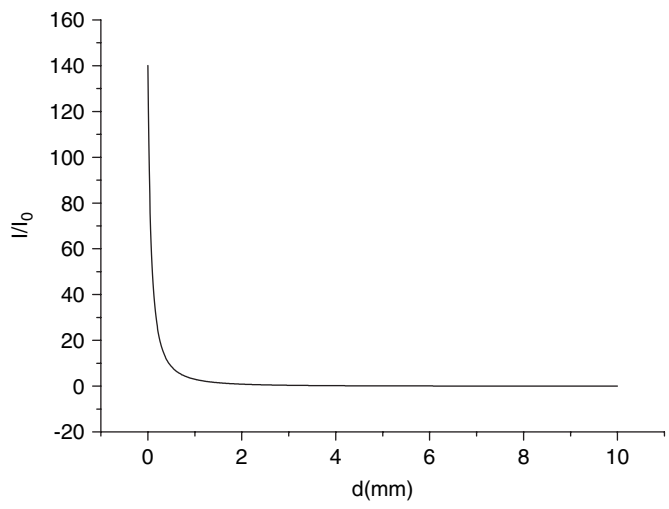
$$g(\mu) = \frac{f[E(\mu)]E(\mu) e^{-\mu_g E(\mu)D} [1 - e^{-\mu w}(\theta)] E}{\mu w(\theta) \mu}$$

$$y = Ax$$

$$m \quad n \quad A \quad m * n$$

$$y = \begin{pmatrix} I(d) \\ \vdots \\ I(d_m) \end{pmatrix}, \quad x = \begin{pmatrix} g(\mu) \\ \vdots \\ g(\mu_m) \end{pmatrix}$$

$$A = a \Delta \mu \begin{pmatrix} -\mu d & \dots & -\mu_n d \\ \vdots & \vdots & \vdots \\ -\mu d_n & \dots & -\mu_n d_n \end{pmatrix} \quad (2)$$



5. Results and discussion

References

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