Simulation $(\frac{2m^2\beta^{2}\gamma}{l}) + lm_{1}^{2}\hat{y} + 0.2 - \beta$ $\xi = (K/2)(Z/A)(x/\beta^{2})$ dau Vavilov Distributio dise sharped paticle ener othibited as those particles se mid to high thickness to approximate energy schibited by muons as th excludit the volumetric scinili biby Byol г 1. 2. 3. 4. 5. iteractio $4\left(\frac{E_{p}}{GaV}\right)^{-2}$ • anoomized njunction with the nuon angular flux ction cos (c) $dL = S \cdot \frac{dE}{1 + k_a \frac{dF}{dx}}$ Birks' law es the light emission of energy deposition approximate scintil • $\left(\frac{d\Sigma}{d\tau}\right) = \frac{4\pi}{n_c c^2} \cdot \frac{d\tau^2}{g^2}$ $\cdot \left(\frac{d^2}{42\theta_0}\right)^2 \cdot \left[ln(\frac{2u_0 d^2\beta^2}{f(1+\beta^2)})\right]$ The Be he-Bloch Ed , lation Signal eased PDE) d Sc ise n (0.4140454519 000089309481 nple t-Test for 325 nple t-Test for 4Ge et to test for 4G ue of 0.414 is a gh to fail to reje gnal and noise nutions are equ ng level. This r detection circu-out setup. y high the dist at ti on circui up. of 0.000 leighing both cost and electric coating, it was ould be four total layer lith four layers, 83.4% e scintiliator would be empared to <1% of the een received without in VT s .1 P ne 14 0+2(r 1 R(% ne · λed (De TiO Mgl PVT P = R(% This mirror we t given off froi ght loss in lin

onclusion

to de cz 41 fing angl into acc For the of an e he incres се 3 n a n tra s. Fo de drift to n cost easure of drift sc sc arabolic optical can ng estimate for the MgFJTiO, dielectric ricing between the ar the ratio of time addendum is 2.65, processed at an er F

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