

AS and A-level Physics practicals: Equipment set up

Practical 12: – Investigation of the inverse-square law
for gamma radiation

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Plug the GM tube into the scaler and set at the appropriate voltage before starting the scaler to check it starts counting



Make sure the GM is in the lateral position for gamma radiation

The apparatus is set up as in the diagram and source placed in its holder



When ready simultaneously start the timer and scaler and take a count after a chosen number of minutes



Re-set the source position to a different distance then...



...repeating for more different source – GM tube distances

