



Gamma Cube

<i>Aim</i>	To locate the position of a radioactive source inside a cube using the emission of γ -rays from the source.
<i>Materials</i>	1 sealed γ -ray source 1 cube comprising up to 4 types of sub-cube 1 Geiger–Müller detector and counter
<i>Method</i>	Use the activity measured by a Geiger–Müller detector outside the cube to determine the location of the source. Note that the large cube can contain aluminium, perspex, brass and blank (empty) sub-cubes.
<i>Conditions</i>	The cube must not be disassembled or tampered with in any way.
<i>Time Limit</i>	25 minutes
<i>Ranking</i>	The ranking order will be determined by the time taken to correctly locate the sub-cube, with a 5 minute penalty for each incorrect attempt.

Team

Source Location

Do not write below this line

Rank