



# Gamma Cube

<b>Aim</b>	To locate a radioactive source inside a cube using its $\gamma$ -ray emissions.		
<b>Materials</b>	1 sealed $\gamma$ -ray source	1 cube comprising sub-cubes	
	1 Geiger-Müller detector		
<b>Method</b>	Use the activity measured by a Geiger-Müller detector outside each cube face to determine the location of the $\gamma$ -ray source.		
<b>Conditions</b>	The cube must not be disassembled or tampered with in any way.		
<b>Time limit</b>	25 minutes		
<b>Ranking</b>	The ranking order will be determined by the difference between the coordinates given and the actual coordinates of the source.		

<b>Team</b>		<b>Result</b>	$x$	$y$	$z$	
						<b>mm</b>

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Do not write below line

**Rank**