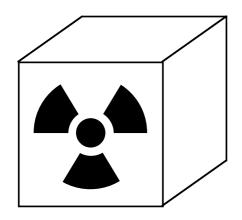
LIVERPOOL PHYSICS OLYMPICS





Gamma Cube

Aim

	emissions.		
Materials	 1 sealed γ-ray source 1 cube comprising sub-cubes 1 Geiger-Müller detector 		
Method	Use the activity measured by a Geiger–Müller detector outside each cube face to determine the location of the γ –ray source.		
Conditions	The cube must not be disassembled or tampered with in any way.		
Time limit	25 minutes		
Ranking	The ranking order will be determined by the difference between the coordinates given and the actual coordinates of the source.		

To locate a radioactive source inside a cube using its γ -ray

		\boldsymbol{x}	\boldsymbol{y}	Z	
Team	Result]mm

Do not write below line

Rank	
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