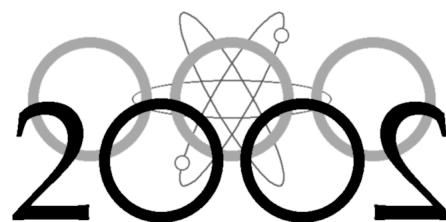


# LIVERPOOL PHYSICS OLYMPICS



## *Lecture Theat-Air*

***Aim*** To estimate the mass of air in a lecture theatre

***Materials*** 1 metre rule (fixed) 5 pieces of A4 paper

***Conditions*** All team members must remain behind the specified line at all times

***Time limit*** 25 minutes

***Ranking*** The ranking order will be determined by the difference between the mass given by the team and the correct value

Note: density of air =  $1.20 \text{ kg m}^{-3}$

***Team***

***Result***

***kg***

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Do not write below line

***Rank***