

Department of Physics

Lecture Risk Assessment

(In space, no-one can hear you scream!)

Hazard	Control Measures
Volunteers from audience – trips and falls	Ensure a clear route to the front of the lecture theatre with no equipment or cabling in the way Ensure residual lighting during the lecture is sufficient for volunteers to move safely from their seats to the front
Whoosh bottle (setting fire to propan-2-ol) <ul style="list-style-type: none"> • Risk of explosion of the bottle • Risk of burns from flames 	Experiment conducted behind safety screen Safety goggles worn by demonstrators Uncracked bottles used Long 'taper' used for lighting (over 1m)
Hydrogen balloon <ul style="list-style-type: none"> • Loud noise • Risk of burns 	Warn audience that they may wish to cover their ears Store balloons away from any sources of ignition Light balloons using a long 'taper' (over 1m) Demonstrator to wear goggles
Vacuum chamber <ul style="list-style-type: none"> • Risk of implosion • 	Wire frame around vacuum chamber Experiment conducted behind safety screen Demonstrator to wear goggles