

**Department of Physics**

**Cosmodome Risk Assessment**

<b>Hazard</b>	<b>Control Measures</b>
Trips entering the dome	Brief incoming groups on the 'airlock' system. Ensure that zips and Velcro are unfastened and held out of the way inside of the dome.
Trips inside the dome – darkness and cables	Low level lighting to remain on until the group is seated. All cabling to remain under or by the projection table, and groups warned to avoid this area.
Eye damage or burns from projection equipment or mirror	Groups warned not to touch the projection equipment or look directly at the projection in the mirror.
Fan/projection equipment unplugged	Group to remain seated. Use torch to plug in projector, or exit dome under side to plug in the fan.
Powercut – darkness and dome begins to deflate	Use torch No one to sit on the inner edge of the dome Group to remain seated Dome will be pulled over using the handles by the door so that everyone is now outside the dome.
Leaning on dome from the outside causing deflation or hurting someone within the dome	Dome to be set up in a secure area Explain to anyone outside the dome that the dome is not an inflatable.
Trips exiting the dome	Remind the group leaving the dome to take care Hold zips and Velcro out of the way Where possible, have a member of the cosmodome team outside the dome to assist.
Claustrophobia	Everyone to enter the dome by choice – no one should be forced In an emergency (for example in the case of a panic attack), the sides may be used as an emergency exit.
Medical emergency	The dome will be evacuated by pulling the handles by the door and flipping the dome so that everyone is now outside the dome.