

International Workshop on Accelerator Alignment



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Establishing Control Survey Network for Long Beamlines at Diamond Light Source

The longest beamline(I13) at Diamond was completed in July 2010. At 250m from the Storage Ring establishing a survey control network proved challenging. A TDA5005 was used to measure the 3D network. Currently a second long beamline (I14) is being constructed. It is envisaged that we use the AT401 to measure and establish the network for I14. This paper will look at a simulation of the I13 network and the proposed adjacent I14 network to consider the feasibility of using the AT401

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