



Science & Technology Facilities Council				
	HEXITEC Project objectives			
	fabricate large area CZT detector material for X-ray imaging			
	characterise to improvement material performance			
	develop cutting/polishing/contact-deposition and passivation techniques			
	develop bump-bonding techniques for CZT			
	develop pixellated spectroscopy ASIC for CZT			
	insert this technology into a diverse network of scientific users			
	create a sustainable base for continued CZT detector production			
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HEXITEC Inv	estigators (In	order of functions)			
Dr Andrew Brinkman, Durham University – growth of 3 inch CZT by fast PVD (commercialised for CdTe PVD) Dr Paul Sellin, Surrey University					
 CZT characterisation (PL mapping, PICTS, IBIC, Alpha TOF, NCR mapping) development of contacts and passivation Paul Seller, CCLRC detector fabrication from raw material 					
 detector handation non naw matchail detector characterisation (Spectroscopy, noise/temperature, small-pixel effect) large area ASIC development 					
Prof Bob Cernik, The Universed – lead of Application Netw • Imaging + tomography • Space Science • Synchrotrons	Prof Bob Cernik, The University of Manchester Principle Investigator lead of Application Networks Imaging + tomography for engineering Space Science Synchrotrons 				
Security Medical and biological Deef Devide Review R					
 Prof Paul Barnes, Birkbeck College London Materials Imaging Network TEDDI 					
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