	PARTICLE PHYSICS PROJE	CTS RISK PROFORMA									
	7.11.11.01.00 1 11.01.00	TO RIGHT ROT GRAINS									
Ref	Risk Description	Potential impact on project	Inherent Ris	k Score	Existing Controls	Mitigating factors	Residual			e Comment	Proposed Action
			L I	LxI			L	I	LxI		
						Perform studies of layer					
	Failure of ECAL wafer	Loss of some ECAL layers			Non-UK: Sourcing wafers	arrangement to minimise					
WP1.1	fabrication	leading to less useful data	2 3	6	from four manufacturers	impact of missing layers	2	2	4	4	
	Failure of AHCAL or DHCAL	Loss of data for simulation			Non-UK: Technical Board						
WP1.2	systems	comparisions	2 2	4	reviews very six months		2	2		4	
					Thorough testing of						
					equipment before shipping.						
	Extended beam test period				Visit beam areas and						
	required due to problems with	lin i i			understand environment						
WP1.3	calorimeters, beams or DAQ	Higher travel costs	2 1	2	before beam test		2	1		2	
	Failure of VFE ASIC				Non-UK: Review ASIC						
	production so no chips	Non-verification of ASIC by			design before each						
WP2.1	available for PCB test	time of TDR	1 2	2	fabrication round		1	2	2	2	
		Study not completed in time				Rely on smaller PCB					
WP2.2	for 1.5m PCBs	for TDR	2 2	4		stitching techniques	2	2	4	4	
						Continue work with					
						partially complete					
	Delays in sourcing					engineering version of					
WP2.3	components	Delays in tests	1 2	2		boards	1	2	2	2	
						Prepare tests before					
	E 11	Three to four month delay in			Regular design reviews	fabrication complete so					
	Failure of sensor fabrication	schedule and extra cost to			according to ISO9000	major errors can be					
WP3.1	round	remake	2 2	4	specifications	identified immediately	2	2	4	4	
						Three of the five new					
	Delays/problems with RA				Schedule recruitment	project RAs are now in					
All.1	appointments	Less impact on projects	2 1	2	period well in advance	post	2	1	2		
	аррешинене	zeee impact on projecto		_	ponea non maavanoo	Ensure personnel work				-	
						closely with othe UK					
						colleagues so no one					
	Loss of staff with required	Loss of expertise mid-way,				individual has critical					
All.2	skills	causing delays	3 2	6		knowledge	3	2	6	6	
	Illness of staff in critical	Reallocation of effort causing				Ŭ		-			
All.3	positions	delays	2 2	4		As above	2	2		4	
	L = Likelihood on scale of 1, 2										
	I = Impact on scale of 1, 2, 3,	5 where 1 is low.									
	High risk is a score greater that	an 8									