

Scribe Name		others					
Run # 3		Date		Start		Stop	
Type	Data	calib	RAMP	alpha	pulser	source	junk
DAQ	Merged (15190)		other		Csl Live Time		
Beam: 48Ca		Energy (MeV/u)		140	56		
Target	viewer	blank	58Ni(4.9)	64Ni(5.3)	124Sn(6.5)	112Sn(6.1)	CH2/CD2
Trigger	Singles: MB; HiRA; NW		coincidence: uB+HiRA; uB+NW		uball mult.		
NW HV file	Co60	15 MeV	25 MeV	Thres. File	1 MeV	2 MeV	
Shadow Bar	A+B+C+D	none	G238F-C		G. Master		
Csl Livetime	EF_OR		EB_OR		Csl_OR		
Any Downscalers	uBDS		HiRA_DS		NWDS		
Check HiRA Voltage/current (once every shift)						yes/no	
Check coolant level (whenever the vault is open)						yes/no	
Check summary spectra, PID spectra (once a shift)						Yes/no	
Check HV files, HiRA config, threshold and Csl gain files						Yes/no	
Comments:		https://groups.nsl.msu.edu/hira/runlog/					

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