

E05-017 Beam Energy 5.157 (GeV)

- 1) Set PS2 to get ~10Hz, PS1 to get downtime ~30% (<50%), PS3=1
- 2) Be sure that magnets have settled before starting runs after momentum changes.
- 3) Runs should be between 15 and 30 minutes, up to 2-2.5M electron triggers
- 4) Online replay every run (50K) – make sure all detectors are working! Verify good tracking efficiency and trigger efficiency
- 5) If there is time, please add a line for each run to the “rosen07_runlist.dat” file

Target	HMS θ	HMS p (+)	Run #	HMS Events	Elastics (estimated)	Comments	Good run? Y/N
LH2 $Q^2=5.76$ I=80 μA Take 3M events in elastic peak Replay 50k, Look to see how many in peak, take ratio to 50k to get elastic fraction (see ref. histo. binder for details)	21.39	3.896					
dummy I=40 μA Make sure raster pattern is not cut off (dummy is narrow)	Run for 20% of the LH2 TIME (more if PS1 is different)						
Carbon I=40 μA Just 50k triggers							

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LH2 $Q^2=5.08$ I=80 μA Take 3M events in elastic peak Replay 50k, Look to see how many in peak, take ratio to 50k to get elastic fraction (see ref. histo. binder for details)	24.72	3.523					
dummy I=40 μA Make sure raster pattern is not cut off (dummy is narrow)	Run for 20% of the LH2 TIME (more if PS1 is different)						
Carbon I=40 μA Just 50k triggers							

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LH2 $Q^2=4.25$ I=80 μA Take 3M events in elastic peak Replay 50k, Look to see how many in peak, take ratio to 50k to get elastic fraction (see ref. histo. binder for details)	29.07	3.063					
dummy I=40 μA Make sure raster pattern is not cut off (dummy is narrow)	Run for 20% of the LH2 TIME (more if PS1 is different)						
Carbon I=40 μA Just 50k triggers							

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LH2 $Q^2=3.61$ I=80 μA Take 3M events in elastic peak Replay 50k, Look to see how many in peak, take ratio to 50k to get elastic fraction (see ref. histo. binder for details)	32.76	2.704					
dummy I=40 μA Make sure raster pattern is not cut off (dummy is narrow)	Run for 20% of the LH2 TIME (more if PS1 is different)						
Carbon I=40 μA Just 50k triggers							

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Target	HMS θ	HMS p (+)	Run #	HMS Events	Elastics (estimated)	Comments	Good run? Y/N
LH2 $Q^2=0.983$ I=30 μA Take 3M events in elastic peak Replay 50k, Look to see how many in peak, take ratio to 50k to get elastic fraction (see ref. histo. binder for details)	56.49	1.121					
dummy I=40 μA Make sure raster pattern is not cut off (dummy is narrow)	Run for 20% of the LH2 TIME (more if PS1 is different)						
Carbon I=40 μA Just 50k triggers							

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LH2 $Q^2=0.80$ I=30 μA Take 3M events in elastic peak Replay 50k, Look to see how many in peak, take ratio to 50k to get elastic fraction (see ref. histo. binder for details)	59.43	0.991					
dummy I=40 μA Make sure raster pattern is not cut off (dummy is narrow)	Run for 20% of the LH2 TIME (more if PS1 is different)						
Carbon I=40 μA Just 50k triggers							

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LH2 $Q^2=1.340$ I=60 μA Take 3M events in elastic peak Replay 50k, Look to see how many in peak, take ratio to 50k to get elastic fraction (see ref. histo. binder for details)	51.64	1.360					
dummy I=40 μA Make sure raster pattern is not cut off (dummy is narrow)	Run for 20% of the LH2 TIME (more if PS1 is different)						
Carbon I=40 μA Just 50k triggers							

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LH2 $Q^2 = <0.6?$ I=60 μA Take 3M events in elastic peak Replay 50k, Look to see how many in peak, take ratio to 50k to get elastic fraction (see ref. histo. binder for details)	?	?					
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