



# *H(e, e')p* Singles

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# HeeP singles

Run	Type	P_SHMS	Theta_SHMS	P_HMS	Theta_HMS	Target	Ebeam	Current
6629	Heep#4	-2.583	28.19	-2.026	38.60	LH2	3.835	40
6630	Heep#4	-2.583	28.19	-2.026	38.60	Dummy	3.835	40
6878	Heep#4	2.583	34.2	2.583	-34.20	Dummy	4.933	40
6879	Heep#4	2.583	34.2	2.583	-34.20	LH2	4.933	70
6880	Heep#4	2.583	34.2	2.583	-34.20	LH2	4.933	70
7856	Heep	3.491	28.000	3.491	28.000	Dummy	6.19009	40.028
7857	Heep	3.491	28.00	3.491	28.00	LH2	6.19009	72.599
7968	Heep	4.672	24.00	4.672	-24.00	LH2	8.2	50.428
7969	Heep	4.672	24.00	4.672	-24.00	Dummy	8.2	39.553
4821	Heep8	-8.035	15.650	-6.590	19.755	LH2	10.59	15.5
4822	Heep8	-8.035	15.650	-6.590	19.755	Dummy	10.59	25.9
4824	Heep8	-8.035	15.650	-6.590	19.755	LH2	10.59	31.5
4825	Heep8	-8.035	15.650	-6.590	19.755	LH2	10.59	32.4

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The screenshot shows the Microsoft Excel interface with the following data table:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Run period	Target cell	Analysis	LH2 Fan speed	LH2 slope	slope error	LD2 Fan speed	LD2 slope	slope error	Comment				
2	Spring 2018	Standard	Yero (tracks)	40	6.34	0.62	40	8.00	0.70	Time window cuts issue?				
3	Spring 2018	Standard	Henry (tracks)	40	2.55	0.74	40	3.09	0.84					
4	Spring 2018	Standard	Morean (tracks)	40	2.88	0.62	40	3.56	0.41					
5	Fall 2018	Standard	Mack (scaler)	50	2.50	0.30	40	2.84	0.32					
6	Spring 2019	Standard	Trotta (tracks)	50	7.90	1.83	40							
7	Summer 2019	Standard	Kumar (tracks)	50	5.30	1.17	N/A	N/A	N/A					
8	Fall 2019	Pol 3He		N/A	N/A	N/A	N/A	N/A	N/A					
9	Spring 2020	Pol 3He		N/a	N/A	N/A	N/A	N/A	N/A					
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														

# HeeP Yield Ratio

Beam Energy (GeV)	3.8	4.9	6.2	8.2	10.6
HMS (7.9%)	1.048 +/- 0.011	1.065 +/- 0.008	1.023 +/- 0.010	1.029 +/- 0.019	0.994 +/- 0.014
HMS (2.5%)	1.019 +/- 0.011	1.024 +/- 0.008	0.982 +/- 0.009	1.006 +/- 0.018	0.976 +/- 0.014

Beam Energy (GeV)	3.8	4.9	6.2	8.2	10.6
SHMS (7.9%)	1.021 +/- 0.006	1.032 +/- 0.007	1.063 +/- 0.009	1.086 +/- 0.019	1.436 +/- 0.009
SHMS (2.5%)	0.993 +/- 0.006	0.993 +/- 0.007	1.019 +/- 0.009	1.070 +/- 0.019	1.429 +/- 0.009