

表 SB6 实验测量得到的粒子 $^{85}\text{Rb}_{1,3,5}$ 光谱振幅数据(mV)
Table SB6. Spectral amplitude of particles $^{85}\text{Rb}_{1,3,5}$ measured by experiments.

I_0/mA	H_0/G	A_1 同向	A_1 反向	A_1 平均	A_3 同向	A_3 反向	A_3 平均	A_5 同向	A_5 反向	A_5 平均
500	2.376257	1250	1250	1250	520.00	850.00	685.00	333.00	583.00	458.00
520	2.471307	1133	1230	1181.5	533.00	850.00	691.50	327.00	467.00	397.00
540	2.566357	1050	1220	1135	513.00	867.00	690.00	353.00	450.00	401.50
560	2.661408	1080	1180	1130	513.00	817.00	665.00	280.00	467.00	373.50
580	2.756458	1050	1130	1090	426.00	867.00	646.50	340.00	483.00	411.50
600	2.851508	1083	1130	1106.5	440.00	850.00	645.00	340.00	483.00	411.50
620	2.946558	1033	1130	1081.5	440.00	850.00	645.00	320.00	483.00	401.50
640	3.041609	1050	1130	1090	460.00	850.00	655.00	320.00	400.00	360.00
660	3.136659	1033	1100	1066.5	470.00	850.00	660.00	300.00	417.00	358.50
680	3.231709	1000	1120	1060	450.00	767.00	608.50	300.00	433.00	366.50
700	3.326760	1017	1080	1048.5	460.00	817.00	638.50	300.00	417.00	358.50
720	3.421810	1017	1067	1042	473.30	800.00	636.65	262.00	450.00	356.00
740	3.516860	983	1067	1025	493.30	800.00	646.65	293.00	433.00	363.00
760	3.611910	983	1067	1025	420.00	767.00	593.50	287.00	383.00	335.00
780	3.706961	950	1050	1000	426.70	717.00	571.85	300.00	383.00	341.50
800	3.802011	950	1030	990	406.00	717.00	561.50	287.00	400.00	343.50
820	3.897061	900	1017	958.5	447.00	650.00	548.50	267.00	383.00	325.00
840	3.992111	900	1000	950	387.00	650.00	518.50	253.00	400.00	326.50
860	4.087162	917	1000	958.5	320.00	650.00	485.00	253.00	400.00	326.50
880	4.182212	900	1000	950	360.00	650.00	505.00	260.00	400.00	330.00
900	4.277262	867	1000	933.5	360.00	700.00	530.00	233.00	400.00	316.50
920	4.372313	833	950	891.5	360.00	733.00	546.50	260.00	367.00	313.50
940	4.467363	567	917	742	380.00	733.00	556.50	240.00	383.00	311.50
960	4.562413	803	933	868	300.00	683.00	491.50	247.00	383.00	315.00
980	4.657463	807	867	837	220.00	700.00	460.00	240.00	383.00	311.50
1000	4.752514	765	867	816	207.00	683.00	445.00	220.00	367.00	293.50
\overline{A}_n		958.50	1058.92	1008.71	414.82	764.15	589.49	285.19	423.00	354.10

表 SB7 实验测量得到的粒子 $^{85}\text{Rb}_{7,9,11}$ 光谱振幅数据(mV)
Table SB7. Spectral amplitude of particles $^{85}\text{Rb}_{7,9,11}$ measured by experiments.

I_0/mA	H_0/G	A_7 同向	A_7 反向	A_7 平均	A_9 同向	A_9 反向	A_9 平均	A_{11} 同向	A_{11} 反向	A_{11} 平均
500	2.37625	190.00	163.00	176.50	72.10	120.00	96.05	40.00	30.00	35.00
520	2.47130	195.00	193.00	194.00	78.00	123.00	100.50	40.00	30.00	35.00
540	2.56635	201.10	183.00	192.05	87.00	125.00	106.00	40.00	30.00	35.00
560	2.66140	205.70	267.00	236.35	76.00	100.00	88.00	40.00	50.00	45.00
580	2.75645	195.00	263.00	229.00	63.00	120.00	91.50	34.00	50.00	42.00
600	2.85150	196.70	267.00	231.85	57.00	65.00	61.00	35.00	50.00	42.50
620	2.94655	195.00	240.00	217.50	70.00	80.00	75.00	35.00	50.00	42.50
640	3.04160	180.00	250.00	215.00	70.00	123.00	96.50	32.00	60.00	46.00
660	3.13665	121.70	240.00	180.85	56.00	100.00	78.00	31.00	65.00	48.00
680	3.23170	153.00	167.00	160.00	56.00	110.00	83.00	22.00	65.00	43.50
700	3.32676	161.00	240.00	200.50	70.00	78.00	74.00	20.00	50.00	35.00
720	3.42181	150.00	170.00	160.00	60.00	100.00	80.00	30.00	50.00	40.00
740	3.51686	133.00	147.00	140.00	57.00	85.00	71.00	30.00	40.00	35.00
760	3.61191	133.00	217.00	175.00	65.00	112.00	88.50	30.00	50.00	40.00
780	3.70696	128.00	160.00	144.00	65.00	98.00	81.50	35.00	60.00	47.50
800	3.80201	125.70	153.00	139.35	62.00	100.00	81.00	36.00	50.00	43.00
820	3.89706	123.00	200.00	161.50	65.00	100.00	82.50	30.00	55.00	42.50
840	3.99211	118.00	200.00	159.00	40.00	100.00	70.00	30.00	50.00	40.00
860	4.08716	125.00	170.00	147.50	50.00	82.00	66.00	25.00	50.00	37.50
880	4.18221	125.00	140.00	132.50	45.00	85.00	65.00	30.00	50.00	40.00
900	4.27726	130.00	153.00	141.50	55.00	100.00	77.50	25.00	50.00	37.50
920	4.37231	125.00	150.00	137.50	55.00	82.00	68.50	30.00	50.00	40.00
940	4.46736	103.00	193.00	148.00	50.00	100.00	75.00	20.00	50.00	35.00
960	4.56241	103.00	130.00	116.50	40.00	100.00	70.00	25.00	35.00	30.00
980	4.65746	118.00	190.00	154.00	40.00	90.00	65.00	30.00	50.00	40.00
1000	4.75251	110.00	183.00	146.50	56.00	100.00	78.00	30.00	50.00	40.00
	$\overline{A_n}$	147.84	193.42	170.63	60.00	99.15	79.58	30.96	48.85	39.90

表 SB8 实验测量得到的粒子 $^{85}\text{Rb}_{13}$ 光谱振幅数据(mV)
 Table SB8. Spectral amplitude of particles $^{85}\text{Rb}_{13}$ measured by experiments.

I_0/mA	H_0/G	A_{13} 同向	A_{13} 反向	A_{13} 平均
500	2.37625	25	30	27.5
520	2.47130	25.00	35.00	30.00
540	2.56635	25.00	30.00	27.50
560	2.66140	25.00	30.00	27.50
580	2.75645	25.00	30.00	27.50
600	2.85150	20.00	25.00	22.50
620	2.94655	20.00	25.00	22.50
640	3.04160	20.00	25.00	22.50
660	3.13665	20.00	25.00	22.50
680	3.23170	21.00	25.00	23.00
700	3.32676	20.00	25.00	22.50
720	3.42181	20.00	25.00	22.50
740	3.51686	25.00	25.00	25.00
760	3.61191	20.00	25.00	22.50
780	3.70696	20.00	25.00	22.50
800	3.80201	20.00	25.00	22.50
820	3.89706	20.00	25.00	22.50
840	3.99211	20.00	25.00	22.50
860	4.08716	20.00	25.00	22.50
880	4.18221	15.00	25.00	20.00
900	4.27726	20.00	25.00	22.50
920	4.37231	20.00	25.00	22.50
940	4.46736	20.00	20.00	20.00
960	4.56241	20.00	20.00	20.00
980	4.65746	20.00	20.00	20.00
1000	4.75251	20.00	20.00	20.00
\overline{A}_n		20.00	20.00	20.00

表 SB9 实验测量得到的粒子 $^{85}\text{Rb}_{2,4,6}$ 光谱振幅数据(mV)
Table SB9. Spectral amplitude of particles $^{85}\text{Rb}_{2,4,6}$ measured by experiments.

I_0/mA	H_0/G	A_2^+ 同向	A_2^+ 反向	A_2^+ 平均	A_4 同向	A_4 反向	A_4 平均	A_6 同向	A_6 反向	A_6 平均
500	2.37625	1250.00	907.00	1078.50	0	0	0	0	0	0
520	2.47130	1230.00	900.00	1065.00	0	0	0	0	0	0
540	2.56635	1220.00	900.00	1060.00	0	0	0	0	0	0
560	2.66140	1180.00	900.00	1040.00	0	0	0	0	0	0
580	2.75645	1130.00	900.00	1015.00	0	0	0	0	0	0
600	2.85150	1130.00	900.00	1015.00	0	0	0	0	0	0
620	2.94655	1130.00	900.00	1015.00	0	0	0	0	0	0
640	3.04160	1130.00	820.00	975.00	0	0	0	0	0	0
660	3.13665	1100.00	800.00	950.00	0	0	0	0	0	0
680	3.23170	1120.00	800.00	960.00	0	0	0	0	0	0
700	3.32676	1080.00	800.00	940.00	0	0	0	0	0	0
720	3.42181	1067.00	800.00	933.50	0	0	0	0	0	0
740	3.51686	1067.00	800.00	933.50	0	0	0	0	0	0
760	3.61191	1067.00	780.00	923.50	0	0	0	0	0	0
780	3.70696	1050.00	770.00	910.00	0	0	0	0	0	0
800	3.80201	1030.00	700.00	865.00	0	0	0	0	0	0
820	3.89706	1017.00	700.00	858.50	0	0	0	0	0	0
840	3.99211	1000.00	700.00	850.00	0	0	0	0	0	0
860	4.08716	1000.00	680.00	840.00	0	0	0	0	0	0
880	4.18221	1000.00	633.00	816.50	0	0	0	0	0	0
900	4.27726	1000.00	627.00	813.50	0	0	0	0	0	0
920	4.37231	850.00	593.00	721.50	0	0	0	0	0	0
940	4.46736	917.00	593.00	755.00	0	0	0	0	0	0
960	4.56241	933.00	573.00	753.00	0	0	0	0	0	0
980	4.65746	867.00	540.00	703.50	0	0	0	0	0	0
1000	4.75251	867.00	653.00	760.00	0	0	0	0	0	0
\bar{A}_n		1055.08	756.50	905.79	0	0	0	0	0	0

