

表 SD1 实验测量得到的粒子 $^{85}\text{Rb}_1$ 的 g 和 μ 的数据表
 Table SD1. Data table of g and μ of particle $^{85}\text{Rb}_1$ measured by experiments.

I_0/mA	H_0/G	正向频率 f_1/kHz	反向频率 f_2/kHz	平均值 f/kHz	g	g, μ 平均值
500	2.376257	1336.00	861.40	1098.70	0.330348	
520	2.471307	1377.00	904.30	1140.65	0.329770	
540	2.566357	1419.00	948.60	1183.80	0.329569	
560	2.661408	1462.00	994.30	1228.15	0.329705	
580	2.756458	1506.00	1037.00	1271.50	0.329572	
600	2.851508	1553.00	1080.00	1316.50	0.329862	
620	2.946558	1593.00	1125.00	1359.00	0.329526	
640	3.041609	1640.00	1169.00	1404.50	0.329916	
660	3.136659	1682.00	1213.00	1447.50	0.329714	
680	3.231709	1728.00	1259.00	1493.50	0.330186	
700	3.326760	1772.00	1300.00	1536.00	0.329880	
720	3.421810	1817.00	1347.00	1582.00	0.330321	$\bar{g} = 0.330120$
740	3.516860	1861.00	1390.00	1625.50	0.330231	$\bar{\mu} = 0.330120\mu_B$
760	3.611910	1905.00	1434.00	1669.50	0.330244	相对误差: 0.964%
780	3.706961	1948.00	1478.00	1713.00	0.330160	
800	3.802011	1994.00	1522.00	1758.00	0.330363	
820	3.897061	2035.00	1566.00	1800.50	0.330097	
840	3.992111	2078.00	1612.00	1845.00	0.330202	
860	4.087162	2123.00	1658.00	1890.50	0.330476	
880	4.182212	2169.00	1700.00	1934.50	0.330482	
900	4.277262	2211.00	1741.00	1976.00	0.330071	
920	4.372313	2256.00	1786.00	2021.00	0.330248	
940	4.467363	2302.00	1832.00	2067.00	0.330579	
960	4.562413	2349.00	1874.00	2111.50	0.330660	
980	4.657463	2388.00	1918.00	2153.00	0.330278	
1000	4.752514	2437.00	1962.00	2199.50	0.330663	

表 SD2 实验测量得到的粒子 $^{85}\text{Rb}_3$ 的 g 和 μ 的数据
 Table SD2. Data table of g and μ of particle $^{85}\text{Rb}_3$ measured by experiments.

I_0/mA	H_0/G	正向频率 f_1/kHz	反向频率 f_2/kHz	平均值 f/kHz	g	g, μ 平均值
500	2.376257	443.00	288.10	365.55	0.109910	
520	2.471307	457.70	301.70	379.70	0.109774	
540	2.566357	472.70	316.50	394.60	0.109856	
560	2.661408	487.30	331.50	409.40	0.109906	
580	2.756458	502.10	345.70	423.90	0.109875	
600	2.851508	516.50	360.10	438.30	0.109820	
620	2.946558	531.30	375.10	453.20	0.109891	
640	3.041609	546.90	389.70	468.30	0.110003	
660	3.136659	561.30	404.30	482.80	0.109973	
680	3.231709	576.00	419.70	497.85	0.110066	
700	3.326760	590.10	433.50	511.80	0.109917	
720	3.421810	605.40	448.90	527.15	0.110069	$\bar{g} = 0.109974$
740	3.516860	620.10	463.20	541.65	0.110040	$\bar{\mu} = 0.109974\mu_B$
760	3.611910	634.70	478.10	556.40	0.110062	相对误差: 1.024%
780	3.706961	649.30	492.60	570.95	0.110044	
800	3.802011	662.20	507.30	584.75	0.109886	
820	3.897061	678.10	522.10	600.10	0.110020	
840	3.992111	693.00	537.20	615.10	0.110085	
860	4.087162	707.80	551.00	629.40	0.110025	
880	4.182212	722.50	566.50	644.50	0.110104	
900	4.277262	737.20	579.90	658.55	0.110004	
920	4.372313	752.20	595.10	673.65	0.110080	
940	4.467363	767.00	609.10	688.05	0.110041	
960	4.562413	781.30	623.50	702.40	0.109996	
980	4.657463	795.60	637.20	716.40	0.109899	
1000	4.752514	810.80	652.20	731.50	0.109971	

表 SD3 实验测量得到的粒子 $^{85}\text{Rb}_5$ 的 g 和 μ 的数据
 Table SD3. Data table of g and μ of particle $^{85}\text{Rb}_5$ measured by experiments.

I_0/mA	H_0/G	正向频率 f_1/kHz	反向频率 f_2/kHz	平均值 f/kHz	g	g, μ 平均值
500	2.376257	266.10	173.00	219.55	0.066012	
520	2.471307	274.70	181.40	228.05	0.065931	
540	2.566357	283.60	190.70	237.15	0.066022	
560	2.661408	292.80	199.00	245.90	0.066013	
580	2.756458	301.50	208.00	254.75	0.066031	
600	2.851508	310.20	216.70	263.45	0.066010	
620	2.946558	319.20	225.10	272.15	0.065990	
640	3.041609	328.10	233.70	280.90	0.065983	
660	3.136659	337.30	243.10	290.20	0.066102	
680	3.231709	345.70	251.80	298.75	0.066048	
700	3.326760	354.30	260.60	307.45	0.066030	
720	3.421810	363.40	269.30	316.35	0.066054	
740	3.516860	372.00	278.00	325.00	0.066026	$\bar{g} = 0.066044$
760	3.611910	381.20	286.70	333.95	0.066059	$\bar{\mu} = 0.066044\mu_B$
780	3.706961	389.80	295.40	342.60	0.066032	相对误差: 0.933%
800	3.802011	398.70	304.00	351.35	0.066026	
820	3.897061	407.80	312.90	360.35	0.066065	
840	3.992111	416.70	322.10	369.40	0.066112	
860	4.087162	425.60	331.00	378.30	0.066130	
880	4.182212	434.00	339.60	386.80	0.066079	
900	4.277262	443.10	348.10	395.60	0.066081	
920	4.372313	451.60	356.40	404.00	0.066017	
940	4.467363	460.50	365.00	412.75	0.066012	
960	4.562413	469.70	374.70	422.20	0.066116	
980	4.657463	478.10	383.30	430.70	0.066071	
1000	4.752514	487.30	392.10	439.70	0.066103	

表 SD4 实验测量得到的粒子 $^{85}\text{Rb}_7$ 的 g 和 μ 的数据
 Table SD4. Data table of g and μ of particle $^{85}\text{Rb}_7$ measured by experiments.

I_0/mA	H_0/G	正向频率 f_1/kHz	反向频率 f_2/kHz	平均值 f/kHz	g	g, μ 平均值
500	2.376257	190.10	123.10	156.60	0.047085	
520	2.471307	196.40	129.40	162.90	0.047096	
540	2.566357	202.60	136.10	169.35	0.047147	
560	2.661408	209.20	142.10	175.65	0.047154	
580	2.756458	215.50	148.60	182.05	0.047187	
600	2.851508	221.70	154.90	188.30	0.047180	
620	2.946558	228.30	161.00	194.65	0.047198	
640	3.041609	234.40	167.30	200.85	0.047180	
660	3.136659	241.00	173.50	207.25	0.047208	
680	3.231709	247.00	179.70	213.35	0.047168	
700	3.326760	253.10	186.20	219.65	0.047173	
720	3.421810	259.50	192.70	226.10	0.047210	
740	3.516860	265.90	199.00	232.45	0.047224	$\bar{g} = 0.047180$
760	3.611910	272.20	204.70	238.45	0.047168	$\bar{\mu} = 0.047180\mu_B$
780	3.706961	278.50	211.00	244.75	0.047173	相对误差: 0.921%
800	3.802011	284.90	217.30	251.10	0.047187	
820	3.897061	291.20	223.30	257.25	0.047163	
840	3.992111	297.60	230.20	263.90	0.047230	
860	4.087162	303.80	236.10	269.95	0.047190	
880	4.182212	310.10	242.60	276.35	0.047211	
900	4.277262	316.60	248.60	282.60	0.047205	
920	4.372313	322.30	255.30	288.80	0.047192	
940	4.467363	328.70	261.20	294.95	0.047172	
960	4.562413	335.20	267.60	301.40	0.047199	
980	4.657463	341.50	273.70	307.60	0.047187	
1000	4.752514	347.80	280.20	314.00	0.047205	

表 SD5 实验测量得到的粒子 $^{85}\text{Rb}_9$ 的 g 和 μ 的数据
 Table SD5. Data table of g and μ of particle $^{85}\text{Rb}_9$ measured by experiments.

I_0/mA	H_0/G	正向频率 f_1/kHz	反向频率 f_2/kHz	平均值 f/kHz	g	g, μ 平均值
500	2.376257	147.90	96.12	122.01	0.036685	
520	2.471307	152.70	101.00	126.85	0.036673	
540	2.566357	157.60	106.00	131.80	0.036693	
560	2.661408	162.50	110.50	136.50	0.036644	
580	2.756458	167.50	115.60	141.55	0.036690	
600	2.851508	172.10	120.20	146.15	0.036619	
620	2.946558	177.40	125.50	151.45	0.036723	
640	3.041609	182.30	130.20	156.25	0.036703	
660	3.136659	187.10	135.10	161.10	0.036696	
680	3.231709	192.30	140.10	166.20	0.036744	
700	3.326760	197.00	145.10	171.05	0.036736	
720	3.421810	202.00	149.50	175.75	0.036697	
740	3.516860	207.10	154.50	180.80	0.036731	$\bar{g} = 0.036718$
760	3.611910	211.80	159.40	185.60	0.036714	$\bar{\mu} = 0.036718\mu_B$
780	3.706961	216.80	164.50	190.65	0.036746	相对误差: 0.860%
800	3.802011	221.80	169.10	195.45	0.036729	
820	3.897061	226.60	174.60	200.60	0.036777	
840	3.992111	231.40	179.10	205.25	0.036734	
860	4.087162	236.50	183.90	210.20	0.036745	
880	4.182212	241.20	188.90	215.05	0.036738	
900	4.277262	246.20	193.80	220.00	0.036749	
920	4.372313	250.90	198.80	224.85	0.036742	
940	4.467363	256.10	203.50	229.80	0.036752	
960	4.562413	261.10	208.30	234.70	0.036754	
980	4.657463	265.70	213.20	239.45	0.036733	
1000	4.752514	270.60	218.10	244.35	0.036735	

表 SD6 实验测量得到的粒子 $^{85}\text{Rb}_{11}$ 的 g 和 μ 的数据
 Table SD6. Data table of g and μ of particle $^{85}\text{Rb}_{11}$ measured by experiments.

I_0/mA	H_0/G	正向频率 f_1/kHz	反向频率 f_2/kHz	平均值 f/kHz	g	g, μ 平均值
500	2.376257	120.80	78.45	99.63	0.029954	
520	2.471307	125.00	82.48	103.74	0.029992	
540	2.566357	129.00	86.59	107.80	0.030010	
560	2.661408	133.10	90.69	111.90	0.030039	
580	2.756458	137.30	94.71	116.01	0.030068	
600	2.851508	141.10	98.85	119.98	0.030061	
620	2.946558	145.00	102.70	123.85	0.030031	
640	3.041609	149.20	106.70	127.95	0.030055	
660	3.136659	153.30	110.60	131.95	0.030056	
680	3.231709	157.00	114.60	135.80	0.030023	
700	3.326760	161.10	118.60	139.85	0.030035	
720	3.421810	165.20	122.70	143.95	0.030057	$\bar{g} = 0.030046$
740	3.516860	169.40	126.80	148.10	0.030087	$\bar{\mu} = 0.030046\mu_B$
760	3.611910	173.20	130.50	151.85	0.030037	相对误差: 0.847%
780	3.706961	177.30	134.70	156.00	0.030067	
800	3.802011	181.30	138.50	159.90	0.030048	
820	3.897061	185.40	142.70	164.05	0.030076	
840	3.992111	189.30	146.30	167.80	0.030031	
860	4.087162	193.50	150.50	172.00	0.030067	
880	4.182212	197.40	154.40	175.90	0.030050	
900	4.277262	201.50	158.50	180.00	0.030067	
920	4.372313	205.40	162.50	183.95	0.030059	
940	4.467363	209.30	166.50	187.90	0.030051	
960	4.562413	213.50	170.60	192.05	0.030075	
980	4.657463	217.40	174.60	196.00	0.030067	
1000	4.752514	221.30	178.30	199.80	0.030037	

表 SD7 实验测量得到的粒子 $^{85}\text{Rb}_{13}$ 的 g 和 μ 的数据
 Table SD7. Data table of g and μ of particle $^{85}\text{Rb}_{13}$ measured by experiments.

I_0/mA	H_0/G	正向频率 f_1/kHz	反向频率 f_2/kHz	平均值 f/kHz	g	g, μ 平均值
500	2.376257	102.40	66.68	84.54	0.025419	
520	2.471307	105.80	70.05	87.93	0.025420	
540	2.566357	109.00	73.53	91.27	0.025408	
560	2.661408	112.50	76.87	94.69	0.025419	
580	2.756458	115.90	80.15	98.03	0.025408	
600	2.851508	119.40	83.71	101.56	0.025446	
620	2.946558	122.70	86.87	104.79	0.025408	
640	3.041609	126.00	90.23	108.12	0.025396	
660	3.136659	129.40	93.76	111.58	0.025416	
680	3.231709	132.90	96.98	114.94	0.025411	
700	3.326760	136.20	100.40	118.30	0.025407	
720	3.421810	139.80	103.80	121.80	0.025432	
740	3.516860	143.10	107.10	125.10	0.025415	$\bar{g} = 0.025423$
760	3.611910	146.50	110.50	128.50	0.025419	$\bar{\mu} = 0.025423\mu_B$
780	3.706961	149.90	113.90	131.90	0.025422	相对误差: 0.851%
800	3.802011	153.40	117.40	135.40	0.025444	
820	3.897061	156.90	120.60	138.75	0.025438	
840	3.992111	160.40	124.20	142.30	0.025468	
860	4.087162	163.60	127.30	145.45	0.025426	
880	4.182212	166.90	130.70	148.80	0.025420	
900	4.277262	170.40	134.10	152.25	0.025432	
920	4.372313	173.70	137.70	155.70	0.025443	
940	4.467363	177.10	141.00	159.05	0.025437	
960	4.562413	180.40	144.10	162.25	0.025408	
980	4.657463	183.90	147.60	165.75	0.025427	
1000	4.752514	187.30	150.70	169.00	0.025407	