

表 SC1 实验测量的粒子 $^{87}\text{Rb}_1$ 的 g 和 μ 的数据表
 Table SC1. Data table of g and μ of particle $^{87}\text{Rb}_1$ 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	1992.00	1292.10	1642.05	0.493721	
520	2.471307	2058.00	1357.00	1707.50	0.493654	
540	2.566357	2128.00	1423.00	1775.50	0.494302	
560	2.661408	2192.00	1488.00	1840.00	0.493964	
580	2.756458	2258.00	1555.00	1906.50	0.494167	
600	2.851508	2323.00	1622.00	1972.50	0.494232	
620	2.946558	2388.00	1688.00	2038.00	0.494171	
640	3.041609	2456.00	1751.00	2103.50	0.494115	
660	3.136659	2522.00	1820.00	2171.00	0.494517	
680	3.231709	2586.00	1884.00	2235.00	0.494122	
700	3.326760	2653.00	1950.00	2301.50	0.494286	
720	3.421810	2720.00	2016.00	2368.00	0.494441	
740	3.516860	2786.00	2083.00	2434.50	0.494588	
760	3.611910	2852.00	2154.00	2503.00	0.495122	$\bar{g} = 0.494337$
780	3.706961	2915.00	2214.00	2564.50	0.494280	$\bar{\mu} = 0.494337\mu_B$
800	3.802011	2980.00	2279.00	2629.50	0.494138	
820	3.897061	3048.00	2345.00	2696.50	0.494370	
840	3.992111	3112.00	2414.00	2763.00	0.494501	
860	4.087162	3179.00	2479.00	2829.00	0.494538	
880	4.182212	3246.00	2547.00	2896.50	0.494830	
900	4.277262	3310.00	2611.00	2960.50	0.494524	
920	4.372313	3373.00	2677.00	3025.00	0.494314	
940	4.467363	3445.00	2740.00	3092.50	0.494592	
960	4.562413	3508.00	2807.00	3157.50	0.494467	
980	4.657463	3572.00	2873.00	3222.50	0.494347	
1000	4.752514	3640.00	2938.00	3289.00	0.494458	

表 SC2 实验测量的粒子 $^{87}\text{Rb}_3$ 的 g 和 μ 的数据表
 Table SC2. Data table of g and μ of particle $^{87}\text{Rb}_3$ 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	663.20	430.40	546.80	0.164408	
520	2.471307	685.70	452.30	569.00	0.164503	
540	2.566357	707.80	473.80	590.80	0.164480	
560	2.661408	279.70	495.90	387.80	0.164740	
580	2.756458	753.10	517.50	635.30	0.164671	
600	2.851508	774.40	539.70	657.05	0.164631	
620	2.946558	796.80	560.80	678.80	0.164595	
640	3.041609	818.90	582.50	700.70	0.164595	
660	3.136659	841.90	604.30	723.10	0.164710	
680	3.231709	862.90	627.00	744.95	0.164696	
700	3.326760	884.40	647.10	765.75	0.164458	
720	3.421810	907.70	669.10	788.40	0.164619	
740	3.516860	928.50	692.50	810.50	0.164659	$\bar{g} = 0.164598$
760	3.611910	951.80	714.30	833.05	0.164787	$\bar{\mu} = 0.164598\mu_{\text{B}}$
780	3.706961	971.70	735.50	853.60	0.164522	
800	3.802011	994.60	758.10	876.35	0.164685	
820	3.897061	1016.00	779.80	897.90	0.164619	
840	3.992111	1038.00	802.00	920.00	0.164655	
860	4.087162	1060.00	822.70	941.35	0.164558	
880	4.182212	1082.00	845.90	963.95	0.164679	
900	4.277262	1104.00	867.90	985.95	0.164694	
920	4.372313	1126.00	870.30	998.15	0.163107	
940	4.467363	1148.00	911.80	1029.90	0.164715	
960	4.562413	1171.00	935.60	1053.30	0.164948	
0.98	4.657463	1192.00	957.30	1074.65	0.164857	
1000	4.752514	1217	977.7	1097.35	0.164972	

表 SC3 实验测量的粒子 $^{87}\text{Rb}_5$ 的 g 和 μ 的数据表
Table SC3. Data table of g and μ of particle $^{87}\text{Rb}_5$ 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	397.30	257.90	327.60	0.098501	
520	2.471307	411.20	271.40	341.30	0.098673	
540	2.566357	424.60	284.30	354.45	0.098679	
560	2.661408	437.60	297.00	367.30	0.098605	
580	2.756458	450.90	311.00	380.95	0.098743	
600	2.851508	464.40	324.10	394.25	0.098784	
620	2.946558	477.50	337.40	407.45	0.098798	
640	3.041609	490.40	350.40	420.40	0.098752	
660	3.136659	503.40	363.40	433.40	0.098721	
680	3.231709	516.60	376.20	446.40	0.098692	
700	3.326760	530.30	390.00	460.15	0.098825	
720	3.421810	543.10	403.20	473.15	0.098794	
740	3.516860	556.40	416.30	486.35	0.098806	
760	3.611910	569.70	428.20	498.95	0.098698	$\bar{g} = 0.098789$
780	3.706961	583.00	442.80	512.90	0.098856	$\bar{\mu} = 0.098789\mu_B$
800	3.802011	596.80	455.90	526.35	0.098912	
820	3.897061	609.40	468.40	538.90	0.098801	
840	3.992111	622.70	481.40	552.05	0.098802	
860	4.087162	635.80	494.90	565.35	0.098829	
880	4.182212	649.10	507.70	578.40	0.098812	
900	4.277262	662.70	522.70	592.70	0.099005	
920	4.372313	675.80	534.00	604.90	0.098846	
940	4.467363	688.70	547.80	618.25	0.098878	
960	4.562413	702.30	561.20	631.75	0.098933	
980	4.657463	715.20	574.00	644.60	0.098885	
100	4.752514	728.30	587.20	657.75	0.098884	

表 SC4 实验测量的粒子 $^{87}\text{Rb}_7$ 的 g 和 μ 的数据表
 Table SC4. Data table of g and μ of particle $^{87}\text{Rb}_7$ 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	284.80	184.50	234.65	0.070553	
520	2.471307	294.00	193.50	243.75	0.070470	
540	2.566357	303.80	203.30	253.55	0.070589	
560	2.661408	312.90	212.40	262.65	0.070511	
580	2.756458	322.80	221.70	272.25	0.070568	
600	2.851508	331.80	231.20	281.50	0.070533	
620	2.946558	341.50	246.70	294.10	0.071313	
640	3.041609	351.10	250.00	300.55	0.070600	
660	3.136659	360.70	259.30	310.00	0.070613	
680	3.231709	369.60	269.20	319.40	0.070614	
700	3.326760	379.30	278.20	328.75	0.070605	
720	3.421810	388.70	287.80	338.25	0.070627	
740	3.516860	398.20	297.10	347.65	0.070628	$\bar{g} = 0.070635$
760	3.611910	407.20	306.60	356.90	0.070599	$\bar{\mu} = 0.070635\mu_B$
780	3.706961	416.80	316.00	366.40	0.070620	
800	3.802011	426.70	325.30	376.00	0.070658	
820	3.897061	435.40	334.80	385.10	0.070603	
840	3.992111	445.00	343.90	394.45	0.070596	
860	4.087162	454.20	353.60	403.90	0.070606	
880	4.182212	464.00	362.70	413.35	0.070616	
900	4.277262	473.30	372.50	422.90	0.070642	
920	4.372313	482.40	382.20	432.30	0.070642	
940	4.467363	492.40	391.40	441.90	0.070674	
960	4.562413	502.00	400.60	451.30	0.070674	
980	4.657463	511.30	410.30	460.80	0.070689	
100	4.752514	521.20	419.10	470.15	0.070681	

表 SC5 实验测量的粒子 $^{87}\text{Rb}_9$ 的 g 和 μ 的数据表
 Table SC5. Data table of g and μ of particle $^{87}\text{Rb}_9$ 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	220.90	143.90	182.40	0.054843	
520	2.471307	228.60	151.20	189.90	0.054902	
540	2.566357	235.60	158.50	197.05	0.054859	
560	2.661408	243.40	165.80	204.60	0.054927	
580	2.756458	250.80	173.50	212.15	0.054990	
600	2.851508	258.00	180.50	219.25	0.054936	
620	2.946558	265.20	187.60	226.40	0.054897	
640	3.041609	272.80	195.00	233.90	0.054943	
660	3.136659	279.90	202.60	241.25	0.054953	
680	3.231709	287.30	209.30	248.30	0.054895	
700	3.326760	294.70	216.90	255.80	0.054937	
720	3.421810	302.10	224.30	263.20	0.054956	
740	3.516860	309.43	231.70	270.57	0.054967	
760	3.611910	317.00	239.20	278.10	0.055011	$\bar{g} = 0.054953$
780	3.706961	324.10	246.10	285.10	0.054950	$\bar{\mu} = 0.054953\mu_B$
800	3.802011	331.50	253.90	292.70	0.055004	
820	3.897061	338.70	261.00	299.85	0.054974	
840	3.992111	345.80	268.30	307.05	0.054953	
860	4.087162	353.30	275.90	314.60	0.054995	
880	4.182212	360.60	283.00	321.80	0.054975	
900	4.277262	367.80	290.00	328.90	0.054940	
920	4.372313	375.30	297.60	336.45	0.054979	
940	4.467363	382.90	305.10	344.00	0.055017	
960	4.562413	390.30	311.90	351.10	0.054983	
980	4.657463	397.40	319.30	358.35	0.054973	
10	4.752514	404.70	327.30	366.00	0.055023	

表 SC6 实验测量的粒子 $^{87}\text{Rb}_{11}$ 的 g 和 μ 的数据表
 Table SC6. Data table of g and μ of particle $^{87}\text{Rb}_{11}$ 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	181.20	117.80	149.50	0.044951	
520	2.471307	187.00	123.90	155.45	0.044942	
540	2.566357	193.10	129.90	161.50	0.044962	
560	2.661408	199.10	135.90	167.50	0.044967	
580	2.756458	205.10	141.80	173.45	0.044958	
600	2.851508	211.20	147.70	179.45	0.044963	
620	2.946558	217.00	153.50	185.25	0.044919	
640	3.041609	222.90	159.80	191.35	0.044948	
660	3.136659	229.10	166.00	197.55	0.044999	
680	3.231709	235.10	171.80	203.45	0.044979	
700	3.326760	240.90	177.50	209.20	0.044929	
720	3.421810	247.10	183.90	215.50	0.044997	
740	3.516860	253.00	189.70	221.35	0.044969	$\bar{g} = 0.044975$
760	3.611910	259.10	195.70	227.40	0.044982	$\bar{\mu} = 0.044975\mu_B$
780	3.706961	265.10	201.60	233.35	0.044976	
800	3.802011	271.30	207.50	239.40	0.044988	
820	3.897061	276.60	213.80	245.20	0.044954	
840	3.992111	283.00	219.60	251.30	0.044976	
860	4.087162	289.30	225.80	257.55	0.045022	
880	4.182212	295.20	231.80	263.50	0.045016	
900	4.277262	301.20	237.40	269.30	0.044984	
920	4.372313	307.10	243.70	275.40	0.045003	
940	4.467363	313.20	249.60	281.40	0.045005	
960	4.562413	319.00	255.50	287.25	0.044984	
980	4.657463	325.10	261.50	293.30	0.044994	
<u>1000</u>	4.752514	330.80	267.60	299.20	0.044981	

表 SC7 实验测量的粒子 $^{87}\text{Rb}_{13}$ 的 g 和 μ 的数据表
 Table SC7. Data table of g and μ of particle $^{87}\text{Rb}_{13}$ 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	153.20	99.72	126.46	0.038023	
520	2.471307	158.30	104.70	131.50	0.038018	
540	2.566357	163.50	110.10	136.80	0.038085	
560	2.661408	168.60	114.80	141.70	0.038041	
580	2.756458	173.80	119.90	146.85	0.038064	
600	2.851508	178.70	125.10	151.90	0.038060	
620	2.946558	183.60	130.00	156.80	0.038021	
640	3.041609	188.60	135.10	161.85	0.038019	
660	3.136659	193.50	140.00	166.75	0.037983	
680	3.231709	198.60	145.40	172.00	0.038026	
700	3.326760	203.80	149.60	176.70	0.037949	
720	3.421810	208.40	155.40	181.90	0.037981	
740	3.516860	214.00	166.50	190.25	0.038651	$\bar{g} = 0.038060$
760	3.611910	219.00	165.70	192.35	0.038049	$\bar{\mu} = 0.038060\mu_B$
780	3.706961	223.80	170.40	197.10	0.037989	
800	3.802011	229.30	175.80	202.55	0.038063	
820	3.897061	234.60	180.50	207.55	0.038052	
840	3.992111	239.40	185.40	212.40	0.038014	
860	4.087162	244.20	190.80	217.50	0.038021	
880	4.182212	249.70	195.90	222.80	0.038063	
900	4.277262	254.80	201.10	227.95	0.038077	
920	4.372313	259.80	206.10	232.95	0.038066	
940	4.467363	264.80	211.10	237.95	0.038056	
960	4.562413	269.80	216.00	242.90	0.038038	
980	4.657463	274.90	221.20	248.05	0.038052	
1000	4.752514	280.30	226.20	253.25	0.038073	