

表 SD8 实验测量得到的粒子 $^{85}\text{Rb}_2$ 的 g 和 μ 的数据
 Table SD8. Data table of g and μ of particle $^{85}\text{Rb}_2$ 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	665.00	430.40	547.70	0.164678	
520	2.471307	687.10	452.30	569.70	0.164704	
540	2.566357	709.50	473.80	591.65	0.164715	
560	2.661408	731.40	495.90	613.65	0.164738	
580	2.756458	753.00	517.50	635.25	0.164657	
600	2.851508	775.50	539.70	657.60	0.164768	
620	2.946558	797.90	560.80	679.35	0.164727	
640	3.041609	817.40	582.50	699.95	0.164418	
660	3.136659	841.00	604.30	722.65	0.164606	
680	3.231709	864.20	627.00	745.60	0.164839	
700	3.326760	885.80	647.10	766.45	0.164607	
720	3.421810	909.10	669.10	789.10	0.164764	
740	3.516860	930.60	692.50	811.55	0.164872	$\bar{g} = 0.164773$
760	3.611910	952.50	714.30	833.40	0.164855	$\bar{\mu} = 0.164773\mu_B$
780	3.706961	973.90	735.50	854.70	0.164733	相对误差: 1.136%
800	3.802011	996.40	758.10	877.25	0.164853	
820	3.897061	1017.00	779.80	898.40	0.164709	
840	3.992111	1040.00	802.00	921.00	0.164832	
860	4.087162	1061.00	822.70	941.85	0.164644	
880	4.182212	1084.00	845.90	964.95	0.164848	
900	4.277262	1105.50	870.50	988.00	0.165035	
920	4.372313	1128.00	890.30	1009.15	0.164904	
940	4.467363	1149.00	911.80	1030.40	0.164794	
960	4.562413	1171.00	935.00	1053.00	0.164900	
980	4.657463	1194.00	957.30	1075.65	0.165009	
1000	4.752514	1216.00	977.70	1096.85	0.164896	

表 SD9 实验测量得到的粒子 $^{85}\text{Rb}_4$ 的 g 和 μ 的数据
Table SD9. Data table of g and μ of particle $^{85}\text{Rb}_4$ 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	333.20	215.35	274.28	0	$\bar{g} = 0$ $\bar{\mu} = 0\mu_B$ 实验测量磁矩 消失为 0
520	2.471307	344.40	226.20	285.30	0	
540	2.566357	354.30	237.20	295.75	0	
560	2.661408	365.40	248.00	306.70	0	
580	2.756458	376.30	259.20	317.75	0	
600	2.851508	388.10	270.20	329.15	0	
620	2.946558	398.30	281.30	339.80	0	
640	3.041609	410.00	291.80	350.90	0	
660	3.136659	420.20	303.20	361.70	0	
680	3.231709	432.10	314.00	373.05	0	
700	3.326760	442.40	325.10	383.75	0	
720	3.421810	454.70	336.00	395.35	0	
740	3.516860	464.50	347.20	405.85	0	
760	3.611910	476.00	359.00	417.50	0	
780	3.706961	486.40	369.20	427.80	0	
800	3.802011	497.00	379.80	438.40	0	
820	3.897061	508.10	390.40	449.25	0	
840	3.992111	518.80	402.30	460.55	0	
860	4.087162	529.80	413.30	471.55	0	
880	4.182212	541.50	424.40	482.95	0	
900	4.277262	552.00	435.20	493.60	0	
920	4.372313	563.50	446.10	504.80	0	
940	4.467363	575.00	456.60	515.80	0	
960	4.562413	585.80	467.90	526.85	0	
980	4.657463	596.10	478.80	537.45	0	
1000	4.752514	607.70	489.60	548.65	0	

表 SD10 实验测量得到的粒子 $^{85}\text{Rb}_6$ 的 g 和 μ 的数据
Table SD10. Data table of g and μ of particle $^{85}\text{Rb}_6$ 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	221.50	143.90	182.70	0	
520	2.471307	228.40	151.20	189.80	0	
540	2.566357	235.70	158.50	197.10	0	
560	2.661408	243.70	165.80	204.75	0	
580	2.756458	250.30	173.50	211.90	0	
600	2.851508	257.80	180.50	219.15	0	
620	2.946558	265.10	187.60	226.35	0	
640	3.041609	272.50	195.00	233.75	0	
660	3.136659	279.70	202.60	241.15	0	
680	3.231709	287.10	209.30	248.20	0	
700	3.326760	294.50	216.90	255.70	0	
720	3.421810	301.60	224.30	262.95	0	
740	3.516860	309.50	231.70	270.60	0	$\bar{g} = 0$
760	3.611910	317.00	239.20	278.10	0	$\bar{\mu} = 0\mu_B$
780	3.706961	324.10	246.10	285.10	0	实验测量磁矩
800	3.802011	331.40	253.90	292.65	0	消失为 0
820	3.897061	338.80	261.00	299.90	0	
840	3.992111	346.20	268.30	307.25	0	
860	4.087162	353.40	275.90	314.65	0	
880	4.182212	361.20	283.00	322.10	0	
900	4.277262	368.20	290.00	329.10	0	
920	4.372313	375.70	297.60	336.65	0	
940	4.467363	383.00	305.10	344.05	0	
960	4.562413	390.60	311.90	351.25	0	
980	4.657463	397.30	319.30	358.30	0	
1000	4.752514	405.10	327.30	366.20	0	

表 SD11 实验测量得到的粒子 $^{85}\text{Rb}_8$ 的 g 和 μ 的数据
Table SD11. Data table of g and μ of particle $^{85}\text{Rb}_8$ 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	166.70	107.70	137.20	0	$\bar{g} = 0$ $\bar{\mu} = 0\mu_B$ 实验测量磁距 消失为 0
520	2.471307	171.90	113.10	142.50	0	
540	2.566357	177.30	118.40	147.85	0	
560	2.661408	182.80	124.00	153.40	0	
580	2.756458	188.50	129.80	159.15	0	
600	2.851508	193.80	135.10	164.45	0	
620	2.946558	199.10	140.70	169.90	0	
640	3.041609	204.90	145.90	175.40	0	
660	3.136659	210.20	151.70	180.95	0	
680	3.231709	215.80	157.10	186.45	0	
700	3.326760	221.20	162.60	191.90	0	
720	3.421810	226.80	167.80	197.30	0	
740	3.516860	232.60	173.50	203.05	0	
760	3.611910	237.90	179.50	208.70	0	
780	3.706961	243.20	184.50	213.85	0	
800	3.802011	248.90	190.10	219.50	0	
820	3.897061	254.20	195.40	224.80	0	
840	3.992111	259.60	201.20	230.40	0	
860	4.087162	265.20	206.60	235.90	0	
880	4.182212	270.90	212.30	241.60	0	
900	4.277262	276.20	217.70	246.95	0	
920	4.372313	281.50	223.10	252.30	0	
940	4.467363	287.50	228.30	257.90	0	
960	4.562413	293.10	233.90	263.50	0	
980	4.657463	298.20	239.30	268.75	0	
1000	4.752514	303.80	244.60	274.20	0	

表 SD12 实验测量得到的粒子 $^{85}\text{Rb}_{10}$ 的 g 和 μ 的数据
Table SD12. Data table of g and μ of particle $^{85}\text{Rb}_{10}$ 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	132.90	86.34	109.62	0	
520	2.471307	137.20	90.60	113.90	0	
540	2.566357	141.70	94.73	118.22	0	
560	2.661408	146.00	99.30	122.65	0	
580	2.756458	150.50	102.80	126.65	0	
600	2.851508	155.10	108.00	131.55	0	
620	2.946558	159.60	112.50	136.05	0	
640	3.041609	163.90	117.00	140.45	0	
660	3.136659	168.50	121.50	145.00	0	
680	3.231709	172.80	125.70	149.25	0	
700	3.326760	177.30	130.30	153.80	0	
720	3.421810	181.60	134.60	158.10	0	
740	3.516860	186.10	138.70	162.40	0	$\bar{g} = 0$
760	3.611910	190.30	143.30	166.80	0	$\bar{\mu} = 0\mu_B$
780	3.706961	194.90	147.70	171.30	0	实验测量磁距
800	3.802011	199.00	152.20	175.60	0	消失为 0
820	3.897061	203.50	156.30	179.90	0	
840	3.992111	207.70	161.00	184.35	0	
860	4.087162	212.20	165.20	188.70	0	
880	4.182212	216.70	169.80	193.25	0	
900	4.277262	220.90	174.00	197.45	0	
920	4.372313	225.50	178.40	201.95	0	
940	4.467363	229.70	182.80	206.25	0	
960	4.562413	234.30	187.10	210.70	0	
980	4.657463	238.70	191.70	215.20	0	
1000	4.752514	242.80	195.80	219.30	0	

表 SD13 实验测量得到的粒子 $^{85}\text{Rb}_{12}$ 的 g 和 μ 的数据

Table SD13. Data table of g and μ of particle $^{85}\text{Rb}_{12}$ 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	111.30	71.81	91.56	0	$\bar{g} = 0$ $\bar{\mu} = 0\mu_B$ 实验测量磁矩 消失为 0
520	2.471307	114.80	75.36	95.08	0	
540	2.566357	118.50	79.00	98.75	0	
560	2.661408	121.80	82.98	102.39	0	
580	2.756458	125.40	86.56	105.98	0	
600	2.851508	129.40	90.15	109.78	0	
620	2.946558	132.50	93.74	113.12	0	
640	3.041609	136.70	97.42	117.06	0	
660	3.136659	140.30	100.00	120.15	0	
680	3.231709	143.90	105.00	124.45	0	
700	3.326760	147.50	108.30	127.90	0	
720	3.421810	151.70	112.30	132.00	0	
740	3.516860	155.30	115.90	135.60	0	
760	3.611910	158.90	119.50	139.20	0	
780	3.706961	162.10	123.20	142.65	0	
800	3.802011	166.20	126.90	146.55	0	
820	3.897061	169.80	130.50	150.15	0	
840	3.992111	173.40	134.30	153.85	0	
860	4.087162	176.80	138.20	157.50	0	
880	4.182212	180.90	141.80	161.35	0	
900	4.277262	184.30	145.10	164.70	0	
920	4.372313	188.10	148.80	168.45	0	
940	4.467363	191.70	152.70	172.20	0	
960	4.562413	195.80	156.40	176.10	0	
980	4.657463	199.00	159.60	179.30	0	
1000	4.752514	203.00	163.60	183.30	0	