Doppler Free Hyperfine Spectroscopy of Rubidium Atoms

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Cluster	Measured [MHz]	Expected [MHz]	Uncert [MHz]	Dev $[\sigma]$	P-value
1	213.5	266.7	8.7	6.1	0
1	189.4	156.9	14.9	2.2	0.029
1	61.6	72.2	23.8	0.4	0.656
1	147.3	156.9	8.0	1.2	0.235
1	66.2	72.2	8.0	0.8	0.453
2	26.8	29.3	2.5	1.0	0.314
3	63.3	63.4	3.2	0.03	0.975
3	24.2	29.3	3.3	1.6	0.119
4	267.7	266.7	5.8	0.2	0.860
4	160.9	156.9	4.7	0.8	0.397
4	113.4	72.2	4.7	8.7	0
4	197.6	156.9	5.8	7.0	0
4	70.2	72.2	0.07	28.4	0