NMR-EsPy

12:11:55
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Description

Example estimation result for NMR-EsPy docs.

Experiment Information

Sweep Width (Hz)	5494.51
Sweep Width (ppm)	10.9861
Transmitter Offset (Hz)	2249.21
Transmitter Offset (ppm)	4.49722
Transmitter Frequency (MHz)	500.132
Basic Frequency (MHz)	500.13
Nucleus	^{1}H
Filter region (Hz):	2770.79 - 2710.76
Filter region (ppm):	5.54011 - 5.42008

Result

m	a_m	ϕ_m (rad)	f_m (Hz)	f_m (ppm)	η_m (s^{-1})	$\int$	$\int/\|\int\|$
1	3.2947×10^4	0.03575	2.7198×10^3	5.4382	9.2827	2.9106×10^9	0.35233
	$\pm$ 227.99	$\pm 3.6776 \times 10^{-3}$	$\pm 2.3079 \times 10^{-3}$	$\pm 4.6145 \times 10^{-6}$	$\pm$ 0.065552	-	-
2	3.4676×10^4	0.018128	2.7253×10^3	5.4492	9.2969	3.0628×10^9	0.37075
	$\pm$ 246.65	$\pm 4.9844 \times 10^{-3}$	$\pm 4.2789 \times 10^{-3}$	$\pm 8.5556 \times 10^{-6}$	$\pm$ 0.066104	-	-
3	3.3345×10^4	0.013083	2.7284×10^3	5.4554	9.0494	2.9546×10^9	0.35765
	$\pm$ 488.97	$\pm 5.8942 \times 10^{-3}$	$\pm 8.1909 \times 10^{-3}$	$\pm 1.6377 \times 10^{-5}$	$\pm$ 0.10245	-	-

4	3.0111×10^{4}	-6.467×10^{-3}	2.7338×10^{3}	5.4662	8.8992	2.6733×10^{9}	0.32359
	$\pm$ 375.37	$\pm$ 8.5845×10^{-3}	$\pm$ 0.011642	$\pm$ 2.3278×10^{-5}	$\pm$ 0.091566	-	-
5	3.1348×10^{4}	0.019111	2.7431×10^{3}	5.4848	7.609	2.834×10^{9}	0.34305
	$\pm$ 201.12	$\pm$ 0.016456	$\pm$ 0.018088	$\pm$ 3.6167×10^{-5}	$\pm$ 0.051702	-	-
6	3.3581×10^{4}	-7.7561×10^{-3}	2.7486×10^{3}	5.4957	7.6634	3.0335×10^{9}	0.36719
	$\pm$ 389.2	$\pm$ 5.5778×10^{-3}	$\pm$ 6.9017×10^{-3}	$\pm$ 1.38×10^{-5}	$\pm$ 0.07508	-	-
7	3.2942×10^{4}	-8.0157×10^{-3}	2.7535×10^{3}	5.5056	7.6245	2.9774×10^{9}	0.36041
	$\pm$ 206.76	$\pm$ 6.3139×10^{-3}	$\pm$ 7.1993×10^{-3}	$\pm$ 1.4395×10^{-5}	$\pm$ 0.048888	-	-
8	3.2182×10^{4}	-0.027252	2.7589×10^{3}	5.5164	7.932	2.8955×10^{9}	0.3505
	$\pm$ 163.34	$\pm$ 4.0778×10^{-3}	$\pm$ 6.1219×10^{-3}	$\pm$ 1.2241×10^{-5}	$\pm$ 0.046284	-	-
9	2.1404×10^{3}	1.6×10^{-3}	2.7664×10^{3}	5.5313	9.239	1.8919×10^{8}	0.022902
	$\pm$ 123.46	$\pm$ 4.3689×10^{-3}	$\pm$ 0.095994	$\pm$ 1.9194×10^{-4}	$\pm$ 0.57799	-	-

Estimation performed using NMR-EsPy.
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For more information:


https://nmr-espy.readthedocs.io/en/latest/


https://github.com/foroozandehgroup/NMR-EsPy


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If used in a publication, please cite:
No references yet...