

Altermagnets provided in the **MAGNDATA** database (199/2001)

No.	ID	Formula	SG	MSG	four-index G_{NS}	International notation $G_{SS} = G_{NS} \times G_{SO}$
1	0.1	LaMnO ₃	62	62.448	14.62.1.1	$P^{-1}n^{-1}m^1a^{\infty}m^1$
2	0.3	Ca ₃ LiOsO ₆	167	15.89	148.167.1.1	$R^1-3^{-1}c^{\infty}m^1$
3	0.13	Ca ₃ Co _{2-x} Mn _x O ₆	167	161.69	146.161.1.1	$R^13^{-1}c^{\infty}m^1$
4	0.15	MnF ₂	136	136.499	65.136.1.1	$P^{-1}4_2/1^1m^{-1}n^1m^{\infty}m^1$
5	0.21	PbNiO ₃	161	161.69	146.161.1.1	$R^13^{-1}c^{\infty}m^1$
6	0.23	Ca ₃ Mn ₂ O ₇	36	36.174	4.36.1.1	$C^{-1}m^{-1}c^12_1^{\infty}m^1$
7	0.25	NaOsO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m^1$
8	0.34	La _{0.5} Sr _{0.5} FeO _{2.5} F _{0.5}	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m^1$
9	0.45	La ₂ NiO ₄	138	56.369	14.56.1.1	$P^{-1}c^1c^{-1}n^{\infty}m^1$
10	0.50	MnTiO ₃	161	9.39	146.161.1.1	$R^13^{-1}c^{\infty}m^1$
11	0.52	K _y Fe _{2-x} Se ₂	87	12.62	2.12.1.1	$C^{-1}2/^{-1}m^{\infty}m^1$
12	0.53	Rb _y Fe _{2-x} Se ₂	87	12.62	2.12.1.1	$C^{-1}2/^{-1}m^{\infty}m^1$
13	0.56	Ba ₂ CoGe ₂ O ₇	113	35.167	81.113.1.1	$P^1-4^{-1}2_1^{-1}m^{\infty}m^1$
14	0.57	ScFeO ₃	161	9.39	146.161.1.1	$R^13^{-1}c^{\infty}m^1$
15	0.62	SrMn ₂ V ₂ O ₈	110	45.237	45.110.1.1	$I^{-1}4_1^1c^{-1}d^{\infty}m^1$
16	0.65	Fe ₂ O ₃ -alpha	167	15.89	148.167.1.1	$R^1-3^{-1}c^{\infty}m^1$
17	0.66	Fe ₂ O ₃ -alpha	167	15.89	148.167.1.1	$R^1-3^{-1}c^{\infty}m^1$
18	0.67	BiFe _{0.5} Sc _{0.5} O ₃	46	46.243	5.46.1.1	$I^{-1}m^{-1}a^12^{\infty}m^1$
19	0.68	BiFe _{0.5} Sc _{0.5} O ₃	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m^1$
20	0.79	CaIrO ₃	63	63.464	12.63.1.1	$C^1m^{-1}c^{-1}m^{\infty}m^1$
21	0.83	LiFeP ₂ O ₇	4	4.7	1.4.1.1	$P^{-1}2_1^{\infty}m^1$
22	0.98	YBaMn ₂ O _{5.5}	72	72.543	15.72.1.1	$I^1b^{-1}a^{-1}m^{\infty}m^1$
23	0.99	YBaMn ₂ O _{5.5}	72	12.58	15.72.1.1	$I^1b^{-1}a^{-1}m^{\infty}m^1$
24	0.105	ErVO ₃	62	14.75	2.14.1.1	$P^{-1}2_1/^{-1}c^{\infty}m^1$
25	0.112	FeBO ₃	167	15.89	148.167.1.1	$R^1-3^{-1}c^{\infty}m^1$

26	0.113	NiCO ₃	167	15.85	148.167.1.1	$R^1-3^{-1}c^{\infty m}1$
27	0.114	CoCO ₃	167	15.85	148.167.1.1	$R^1-3^{-1}c^{\infty m}1$
28	0.115	MnCO ₃	167	15.85	148.167.1.1	$R^1-3^{-1}c^{\infty m}1$
29	0.116	FeCO ₃	167	167.103	148.167.1.1	$R^1-3^{-1}c^{\infty m}1$
30	0.118	Ba ₅ Co ₅ ClO ₁₃	194	194.268	164.194.1.1	$P^{-1}6_3/^{-1}m^1m^{-1}c^{\infty m}1$
31	0.128	FeSO ₄ F	15	15.89	2.15.1.1	$C^{-1}2/^{-1}c^{\infty m}1$
32	0.131	Mn(N(CN ₂)) ₂	58	58.398	10.58.1.1	$P^{-1}n^{-1}n^1m^{\infty m}1$
33	0.137	Cu ₂ V ₂ O ₇	43	43.227	9.43.1.1	$F^{-1}d^1d^{-1}2^{\infty m}1$
34	0.148	La ₂ LiRuO ₆	14	14.75	2.14.1.1	$P^{-1}2_1/^{-1}c^{\infty m}1$
35	0.153	Bi ₂ RuMnO ₇	227	70.530	74.141.1.1	$I^{-1}4_1/^{-1}a^1m^{-1}d^{\infty m}1$
36	0.154	Er ₂ Ru ₂ O ₇	227	141.554	74.141.1.1	$I^{-1}4_1/^{-1}a^1m^{-1}d^{\infty m}1$
37	0.178	CoF ₂	136	136.499	65.136.1.1	$P^{-1}4_2/^{-1}m^{-1}n^1m^{\infty m}1$
38	0.189	CeMn ₂ Ge ₄ O ₁₂	125	125.367	67.125.1.1	$P^{-1}4/^{-1}n^{-1}b^1m^{\infty m}1$
39	0.190	CeMnCoGe ₄ O ₁₂	125	50.282	67.125.1.1	$P^{-1}4/^{-1}n^{-1}b^1m^{\infty m}1$
40	0.201	Ca ₂ PrCr ₂ NbO ₉	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
41	0.202	Ca ₂ PrCr ₂ TaO ₉	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
42	0.206	Ca ₂ Fe _{0.875} Cr _{0.125} GaO ₅	62	62.446	11.62.1.1	$P^{-1}n^1m^{-1}a^{\infty m}1$
43	0.229	Ba ₂ MnSi ₂ O ₇	113	113.267	81.113.1.1	$P^1-4^{-1}2_1^{-1}m^{\infty m}1$
44	0.239	Ca ₃ LiRuO ₆	167	15.89	148.167.1.1	$R^1-3^{-1}c^{\infty m}1$
45	0.241	Y ₂ Cu ₂ O ₅	33	33.144	7.33.1.1	$P^{-1}n^1a^{-1}2_1^{\infty m}1$
46	0.254	[C(ND ₂) ₃]Cu(DCOO) ₃	33	33.144	7.33.1.1	$P^{-1}n^1a^{-1}2_1^{\infty m}1$
47	0.255	[C(ND ₂) ₃]Cu(DCOO) ₃	33	33.148	7.33.1.1	$P^{-1}n^1a^{-1}2_1^{\infty m}1$
48	0.256	[C(ND ₂) ₃]Mn(DCOO) ₃	52	52.310	13.52.1.4	$P^1n^{-1}n^{-1}a^{\infty m}1$
49	0.257	[C(ND ₂) ₃]Co(DCOO) ₃	52	52.312	13.52.1.4	$P^1n^{-1}n^{-1}a^{\infty m}1$
50	0.260	CuFePO ₅	62	62.441	11.62.1.1	$P^{-1}n^1m^{-1}a^{\infty m}1$
51	0.261	NiFePO ₅	62	62.441	11.62.1.1	$P^{-1}n^1m^{-1}a^{\infty m}1$
52	0.263	Fe ₂ PO ₅	62	62.441	11.62.1.1	$P^{-1}n^1m^{-1}a^{\infty m}1$
53	0.301	Sr ₂ CoTeO ₆	14	14.75	2.14.1.1	$P^{-1}2_1/^{-1}c^{\infty m}1$

54	0.302	$\text{Sr}_2\text{Co}_{0.9}\text{Mg}_{0.1}\text{TeO}_6$	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty m}1$
55	0.303	BaCrF_5	19	19.27	4.19.1.1	$P^{-1}2_1^{-1}2_1^{-1}2_1^{\infty m}1$
56	0.306	GaFeO_3	161	9.39	146.161.1.1	$R^13^{-1}c^{\infty m}1$
57	0.307	ScCrO_3	62	62.441	11.62.1.1	$P^{-1}n^1m^{-1}a^{\infty m}1$
58	0.308	InCrO_3	62	62.441	11.62.1.1	$P^{-1}n^1m^{-1}a^{\infty m}1$
59	0.309	TlCrO_3	62	62.441	11.62.1.1	$P^{-1}n^1m^{-1}a^{\infty m}1$
60	0.315	$\text{ZrMn}_2\text{Ge}_4\text{O}_{12}$	125	125.367	67.125.1.1	$P^{-1}4/^{-1}n^{-1}b^1m^{\infty m}1$
61	0.323	LaCrO_3	62	62.441	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
62	0.329	RbMnF_4	14	2.4	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty m}1$
63	0.331	$\text{Fe}_2\text{Mo}_3\text{O}_8$	186	186.205	156.186.1.1	$P^{-1}6_3^{-1}m^{-1}c^{\infty m}1$
64	0.332	$\text{Co}_2\text{Mo}_3\text{O}_8$	186	186.205	156.186.1.1	$P^{-1}6_3^{-1}m^{-1}c^{\infty m}1$
65	0.334	CoF_3	167	167.103	148.167.1.1	$R^1-3^{-1}c^{\infty m}1$
66	0.335	FeF_3	167	15.89	148.167.1.1	$R^1-3^{-1}c^{\infty m}1$
67	0.336	NdFeO_3	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
68	0.338	$\text{Co}_2\text{Mo}_3\text{O}_8$	186	186.205	156.186.1.1	$P^{-1}6_3^{-1}m^{-1}c^{\infty m}1$
69	0.344	$\text{ErGe}_{1.83}$	36	36.172	8.36.1.1	$C^1m^{-1}c^{-1}2_1^{\infty m}1$
70	0.345	Tb_2C_3	220	43.226	5.43.1.1	$F^{-1}d^{-1}d^{12^{\infty m}}1$
71	0.351	TbFeO_3	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
72	0.354	TbCrO_3	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
73	0.358	CaFe_5O_7	11	11.54	2.11.1.1	$P^{-1}2_1^{-1}m^{\infty m}1$
74	0.360	$\text{Mn}_2\text{ScSbO}_6$	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty m}1$
75	0.361	$\text{Sr}_3\text{LiRuO}_6$	167	15.89	148.167.1.1	$R^1-3^{-1}c^{\infty m}1$
76	0.373	$\text{La}_{0.75}\text{Bi}_{0.25}\text{Fe}_{0.5}\text{Cr}_{0.5}\text{O}_3$	62	62.441	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
77	0.376	LaCaFeO_4	64	64.474	12.64.1.1	$C^1m^{-1}c^{-1}e^{\infty m}1$
78	0.379	SmFeO_3	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
79	0.380	SmFeO_3	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
80	0.389	$\text{Fe}_{1.5}\text{Mn}_{1.5}\text{BO}_5$	55	55.353	10.55.1.1	$P^{-1}b^{-1}a^1m^{\infty m}1$
81	0.390	$\text{Y}_2\text{SrCu}_{0.6}\text{Co}_{1.4}\text{O}_{6.5}$	72	72.543	15.72.1.1	$I^1b^{-1}a^{-1}m^{\infty m}1$

82	0.391	$\text{Y}_2\text{SrCu}_{0.6}\text{Co}_{1.4}\text{O}_{6.5}$	72	72.543	15.72.1.1	$I^1b^{-1}a^{-1}m^{\infty}1$
83	0.392	$\text{Fe}_3(\text{PO}_4)_2(\text{OH})_2$	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty}1$
84	0.402	$\text{Sr}_4\text{Fe}_4\text{O}_{11}$	65	65.486	10.65.1.1	$C^{-1}m^{-1}m^1m^{\infty}1$
85	0.404	$\text{Sr}_3\text{NaRuO}_6$	167	15.89	148.167.1.1	$R^1-3^{-1}c^{\infty}1$
86	0.405	CsCoF_4	120	82.41	5.82.1.1	$I^{-1}4^{\infty}1$
87	0.416	LaCrO_3	167	167.103	148.167.1.1	$R^1-3^{-1}c^{\infty}1$
88	0.417	LaCrO_3	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}1$
89	0.420	$\text{Sr}_2\text{LuRuO}_6$	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty}1$
90	0.432	KMnF_3	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}1$
91	0.433	KMnF_3	140	140.541	87.140.1.1	$I^14/1^1m^{-1}c^{-1}m^{\infty}1$
92	0.434	K_2ReI_6	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty}1$
93	0.448	Ce_4Ge_3	220	122.333	82.122.1.1	$I^1-4^{-1}2^{-1}d^{\infty}1$
94	0.475	$\text{Sr}_2\text{TbIrO}_6$	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty}1$
95	0.499	$\text{UCr}_2\text{Si}_2\text{C}$	123	47.252	47.123.1.1	$P^{-1}4/1^1m^1m^{-1}m^{\infty}1$
96	0.501	LiFe_2F_6	136	136.499	65.136.1.1	$P^{-1}4_2/1^1m^{-1}n^1m^{\infty}1$
97	0.503	$\text{K}_{1.62}\text{Fe}_4\text{O}_{6.62}(\text{OH})_{0.38}$	163	163.79	147.163.1.1	$P^1-3^11^{-1}c^{\infty}1$
98	0.513	YRuO_3	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}1$
99	0.514	CoFe_3O_5	63	63.464	12.63.1.1	$C^1m^{-1}c^{-1}m^{\infty}1$
100	0.522	$\text{La}_2\text{O}_3\text{FeMnSe}_2$	139	71.536	71.139.1.1	$I^{-1}4/1^1m^1m^{-1}m^{\infty}1$
101	0.528	CrSb	194	194.268	164.194.1.1	$P^{-1}6_3/-^1m^1m^{-1}c^{\infty}1$
102	0.531	$\text{Sr}_{0.7}\text{Tb}_{0.3}\text{CoO}_{2.9}$	139	139.535	69.139.1.1	$I^{-1}4/1^1m^{-1}m^1m^{\infty}1$
103	0.532	$\text{Sr}_{0.7}\text{Ho}_{0.3}\text{CoO}_{2.7}$	139	139.535	69.139.1.1	$I^{-1}4/1^1m^{-1}m^1m^{\infty}1$
104	0.533	$\text{Sr}_{0.7}\text{Er}_{0.3}\text{CoO}_{2.8}$	139	139.535	69.139.1.1	$I^{-1}4/1^1m^{-1}m^1m^{\infty}1$
105	0.553	K_2ReI_6	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty}1$
106	0.555	$\text{Ho}_{0.05}\text{Bi}_{0.95}\text{FeO}_3$	161	161.69	146.161.1.1	$R^13^{-1}c^{\infty}1$
107	0.556	$\text{Ho}_{0.1}\text{Bi}_{0.9}\text{FeO}_3$	161	161.69	146.161.1.1	$R^13^{-1}c^{\infty}1$
108	0.559	$\text{Ho}_{0.15}\text{Bi}_{0.85}\text{FeO}_3$	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}1$
109	0.560	$\text{Ho}_{0.2}\text{Bi}_{0.8}\text{FeO}_3$	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}1$

110	0.575	ZnFeF ₅ (H ₂ O) ₂	44	44.229	8.44.1.1	$I^{-1}m^1m^{-1}2^{\infty}m1$
111	0.581	FeF ₃	167	15.89	148.167.1.1	$R^1-3^{-1}c^{\infty}m1$
112	0.582	Fe ₃ F ₈ (H ₂ O) ₂	12	12.62	2.12.1.1	$C^{-1}2^{-1}m^{\infty}m1$
113	0.586	YCrO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
114	0.587	TmCrO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
115	0.591	ErCrO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
116	0.592	DyCrO ₃	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
117	0.607	RuO ₂	136	136.499	65.136.1.1	$P^{-1}4_2^{-1}m^{-1}n^1m^{\infty}m1$
118	0.608	PrMnO ₃	62	62.448	14.62.1.1	$P^{-1}n^{-1}m^1a^{\infty}m1$
119	0.609	NdMnO ₃	62	11.50	14.62.1.1	$P^{-1}n^{-1}m^1a^{\infty}m1$
120	0.642	LaMnO ₃	62	62.448	14.62.1.1	$P^{-1}n^{-1}m^1a^{\infty}m1$
121	0.645	La _{0.95} Ba _{0.05} Mn _{0.95} Ti _{0.05} O ₃	62	62.448	14.62.1.1	$P^{-1}n^{-1}m^1a^{\infty}m1$
122	0.669	Sr ₂ YbRuO ₆	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$
123	0.670	Sr ₂ YbRuO ₆	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$
124	0.671	Sr ₂ TmRuO ₆	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$
125	0.679	TbCr _{0.5} Mn _{0.5} O ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
126	0.680	Bi _{0.8} La _{0.2} Fe _{0.5} Mn _{0.5} O ₃	74	74.559	12.74.1.1	$I^1m^{-1}m^{-1}a^{\infty}m1$
127	0.681	Ce ₄ Sb ₃	220	122.336	43.122.1.1	$I^{-1}.4^{-1}2^1d^{\infty}m1$
128	0.706	Tb ₂ Ir ₃ Ga ₉	63	63.464	11.63.1.1	$C^{-1}m^{-1}c^1m^{\infty}m1$
129	0.708	CrNb ₄ S ₈	194	194.268	164.194.1.1	$P^{-1}6_3^{-1}m^1m^{-1}c^{\infty}m1$
130	0.712	VNb ₃ S ₆	182	20.33	149.182.1.1	$P^{-1}6_3^{-1}2^12^{\infty}m1$
131	0.714	Li ₂ Ni(SO ₄) ₂	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$
132	0.722	Mn ₄ Nb ₂ O ₉	9	9.37	1.9.1.1	$C^{-1}c^{\infty}m1$
133	0.747	Ba ₃ CoIr ₂ O ₉	15	15.85	2.15.1.1	$C^{-1}2^{-1}c^{\infty}m1$
134	0.748	Ba ₃ NiRu ₂ O ₉	194	194.268	164.194.1.1	$P^{-1}6_3^{-1}m^1m^{-1}c^{\infty}m1$
135	0.755	Mn ₂ SeO ₃ F ₂	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
136	0.757	CeFeO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
137	0.758	CeFeO ₃	62	62.441	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$

138	0.760	FeOH ₂ SO ₄	15	15.89	2.15.1.1	$C^{-1}2^{-1}c^{\infty}m1$
139	0.784	NdCoO ₃	62	62.441	11.62.1.1	$P^{-1}n^1m^{-1}a^{\infty}m1$
140	0.786	NdVO ₃	62	11.54	11.62.1.1	$P^{-1}n^1m^{-1}a^{\infty}m1$
141	0.787	YVO ₃	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
142	0.790	Sr ₂ DyRuO ₆	14	14.79	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$
143	0.791	Sr ₂ TbRuO ₆	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$
144	0.792	Sr ₂ HoRuO ₆	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$
145	0.793	Sr ₂ HoRuO ₆	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$
146	0.794	Sr ₂ HoRuO ₆	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$
147	0.795	Sr ₂ YRuO ₆	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$
148	0.800	MnTe	194	63.457	164.194.1.1	$P^{-1}6_3^{-1}m^1m^{-1}c^{\infty}m1$
149	0.802	CuFeS ₂	122	122.333	82.122.1.1	$I^1-4^{-1}2^{-1}d^{\infty}m1$
150	0.811	Fe ₂ WO ₆	60	60.423	13.60.1.1	$P^{-1}b^1c^{-1}n^{\infty}m1$
151	0.813	Fe ₂ WO ₆	60	60.423	13.60.1.1	$P^{-1}b^1c^{-1}n^{\infty}m1$
152	0.820	Bi _{0.85} Ca _{0.15} Fe _{0.55} Mn _{0.45} O ₃	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
153	0.823	Sr ₂ MnGaO ₅	46	46.243	5.46.1.1	$I^{-1}m^{-1}a^12^{\infty}m1$
154	0.825	Ca ₂ MnGaO ₅	62	62.447	14.62.1.1	$P^{-1}n^{-1}m^1a^{\infty}m1$
155	0.826	MnTeLi _{0.003}	194	12.62	164.194.1.1	$P^{-1}6_3^{-1}m^1m^{-1}c^{\infty}m1$
156	0.836	DyFeO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
157	0.837	DyFeO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
158	0.838	DyFeO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
159	0.839	DyFeO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
160	0.840	DyFeO ₃	62	62.441	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
161	0.841	DyFeO ₃	62	62.441	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
162	0.882	Bi _{0.85} Ca _{0.15} Fe _{0.55} Mn _{0.45} O ₃	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty}m1$
163	0.896	NiCrO ₄	63	63.457	12.63.1.1	$C^1m^{-1}c^{-1}m^{\infty}m1$
164	0.904	Nd ₂ PdGe ₆	64	64.474	12.64.1.1	$C^1m^{-1}c^{-1}e^{\infty}m1$
165	0.917	Sr ₂ ScOsO ₆	14	14.75	2.14.1.1	$P^{-1}2_1^{-1}c^{\infty}m1$

166	0.927	Nd ₂ PdGe ₆	64	64.474	12.64.1.1	$C^1m^{-1}c^{-1}e^{\infty m}1$
167	0.934	Sr ₂ NiTeO ₆	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty m}1$
168	0.935	Sr ₂ Ni _{0.9} Mg _{0.1} TeO ₆	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty m}1$
169	0.936	Sr ₂ MnTeO ₆	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty m}1$
170	0.937	Sr ₂ CoTeO ₆	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty m}1$
171	0.946	YCr _{0.5} Fe _{0.5} O ₃	62	11.50	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
172	0.947	YCrO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
173	0.955	Na ₂ Mn(H ₂ C ₃ O ₄) ₂ (H ₂ O) ₂	61	61.433	14.61.1.1	$P^{-1}b^{-1}c^1a^{\infty m}1$
174	0.967	BaMn ₂ V ₂ O ₈	110	45.237	45.110.1.1	$I^{-1}4_1^1c^{-1}d^{\infty m}1$
175	0.979	TmVO ₃	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
176	0.980	TmVO ₃	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
177	0.982	TmVO ₃	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty m}1$
178	0.983	TmVO ₃	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty m}1$
179	0.984	LuVO ₃	62	62.446	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
180	0.986	CaFe ₃ O ₅	63	63.464	12.63.1.1	$C^1m^{-1}c^{-1}m^{\infty m}1$
181	0.991	HoFeO ₃	62	62.448	14.62.1.4	$P^1n^{-1}m^{-1}a^{\infty m}1$
182	0.995	MnFe ₃ O ₅	63	63.464	12.63.1.1	$C^1m^{-1}c^{-1}m^{\infty m}1$
183	0.996	MnFe ₃ O ₅	63	63.464	12.63.1.1	$C^1m^{-1}c^{-1}m^{\infty m}1$
184	0.999	Fe ₄ O ₅	63	36.174	8.36.1.1	$C^1m^{-1}c^{-1}2_1^{\infty m}1$
185	0.1007	Fe _{0.25} NbS ₂	194	194.268	164.194.1.1	$P^{-1}6_3/-^1m^1m^{-1}c^{\infty m}1$
186	0.1008	Sr ₂ ErRuO ₆	14	14.75	2.14.1.1	$P^{-1}2_1/-^1c^{\infty m}1$
187	0.1013	Ba ₂ NdRuO ₆	14	2.4	2.14.1.1	$P^{-1}2_1/-^1c^{\infty m}1$
188	0.1018	SrMnO ₃	20	20.34	4.20.1.1	$C^{-1}2^{-1}2^12_1^{\infty m}1$
189	0.1019	SrMnO ₃	20	20.34	4.20.1.1	$C^{-1}2^{-1}2^12_1^{\infty m}1$
190	1.0.9	CsCoCl ₃	194	193.259	162.193.1.1	$P^{-1}6_3/-^1m^{-1}c^1m^{\infty m}1$
191	1.0.16	La _{0.33} Sr _{0.67} FeO ₃	167	15.85	147.165.1.1	$P^1-3^{-1}c^11^{\infty m}1$
192	1.0.26	RbCoBr ₃	194	193.259	162.193.1.1	$P^{-1}6_3/-^1m^{-1}c^1m^{\infty m}1$
193	1.0.38	CsCoCl ₃	194	193.259	162.193.1.1	$P^{-1}6_3/-^1m^{-1}c^1m^{\infty m}1$

194	1.0.39	BaMnO ₃	194	193.259	162.193.1.1	$P^{-1}6_3/-^1m^{-1}c^1m^{\infty m}1$
195	1.0.47	MnSe ₂	205	61.433	14.61.1.1	$P^{-1}b^{-1}c^1a^{\infty m}1$
196	1.0.48	MnSe ₂	205	29.102	4.29.1.1	$P^{-1}c^{-1}a^12_1^{\infty m}1$
197	1.522	CrVO ₄	63	2.4	12.63.1.1	$C^1m^{-1}c^{-1}m^{\infty m}1$
198	2.17	Pb ₂ Mn _{0.6} Co _{0.4} WO ₆	62	26.68	6.26.1.1	$P^1m^{-1}c^{-1}2_1^{\infty m}1$
199	2.88	UNiGa	189	189.224	157.189.1.1	$P^{-1}-6^{-1}2^1m^{\infty m}1$
200		FeS	190	190.230	159.190.1.1	$P^{-1}-6^{-1}2^1c^{\infty m}1$
201		Co ₂ Mo ₃ N	213	20.34	198.213.1.1	$P^{-1}4_1^13^{-1}2^{\infty m}1$

If you use the information presented on this file, please cite the following work:

X. Chen, J. Ren, J. Li, Y. Liu, Q. Liu. Spin Space Group Theory and Unconventional Magnons in Collinear Magnets. [arXiv: 2307.12366 \(2023\)](#).

X. Chen, J. Ren, Y. Zhu, Y. Yu, A. Zhang, P. Liu, J. Li, Y. Liu, C. Li, Q. Liu. Enumeration and representation theory of spin space groups. [arXiv: 2307.10369 \(2023\)](#).