

Project 4 FYS4150

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Abstract

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1 Introduction

2 Theory

No spin up	Deg	Energy	Magnetization
0	1	-8J	-4
1	4	0	-2
2	4	0	0
2	2	8J	0
3	4	0	2
4	1	-8J	4

3 Method

4 Result

5 Discussion

6 Conclusion

References

Appendix

State	Spinn	Energi	Magnetization
0	↓↓↓↓	-8J	-4
1	↓↓↓↑	0	-2
2	↓↓↑↓	0	-2
3	↓↑↓↓	0	-2
4	↑↓↓↓	0	-2
5	↓↓↑↑	0	0
6	↓↑↓↑	0	0
7	↓↑↑↓	8J	0
8	↑↓↓↑	8J	0
9	↑↓↑↓	0	0
10	↑↑↓↓	0	0
11	↓↑↑↑	0	2
12	↑↓↑↑	0	2
13	↑↑↓↑	0	2
14	↑↑↑↓	0	2
15	↑↑↑↑	-8J	4