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| 1. Record Nr. | UNIORUON00052942 |
| Autore | Chung-kuo chin tai shih ts'ung shu pien hsieh tsu |
| Titolo | The opium war / by the Compilation group for the History of modern China series |
| Pubbl/distr/stampa | Peking, : Foreign Languages Press, 1976 |
| Descrizione fisica | 131 p., [5] c. di tav. : ill. ; 18 cm. |
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| Soggetti | CINA - STORIA - GUERRA DELL' OPPIO, 1840-1842 |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
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| 2. Record Nr. | UNINA9910437982803321 |
| Autore | Smerald Andrew |
| Titolo | Theory of the nuclear magnetic 1/T1 relaxation rate in conventional and unconventional magnets / / Andrew Smerald |
| Pubbl/distr/stampa | Cham ; ; New York, : Springer, c2013 |
| ISBN | 3-319-00434-4 |
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543.66 |
| Soggetti | Nuclear magnetism
Nuclear physics |
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| Note generali | "Doctoral thesis accepted by the University of Bristol, UK." |
| Nota di contenuto | What is frustrated magnetism and why should you care? -- An introduction to field theory in magnetic systems: the Néel antiferromagnet -- Angle-resolved NMR: a theory of the 1/T1 relaxation rate in magnetic systems -- Theory of the NMR relaxation |

rate in magnetic Fe pnictides -- Field theoretical description of quantum spin-nematic order -- How to recognise the quantum spin-nematic state.

Sommario/riassunto

One of the best ways to "lift the lid" on what is happening inside a given material is to study it using nuclear magnetic resonance (NMR). Of particular interest are NMR $1/T_1$ relaxation rates, which measure how fast energy stored in magnetic nuclei is transferred to surrounding electrons. This thesis develops a detailed, quantitative theory of NMR $1/T_1$ relaxation rates, and shows for the first time how they could be used to measure the speed at which energy travels in a wide range of magnetic materials. This theory is used to make predictions for "Quantum Spin Nematics", an exotic form of quantum order analogous to a liquid crystal. In order to do so, it is first necessary to unravel how spin nematics transport energy. This thesis proposes a new way to do this, based on the description of quarks in high-energy physics. Experiments to test the ideas presented are now underway in laboratories across the world.
