

A project coordinated by SISSA in Trieste and financed by the EU aims at developing new theoretical tools in the service of new frontiers in computation.

The European project Irses-Quantum Integrability, Conformal Field Theory and Topological Quantum Computation, coordinated by Giuseppe Mussardo of SISSA in Trieste, aims at developing new theoretical tools to be applied to frontiers in computation, to take a step further towards super-calculus and quantum computers.

This will be done starting from anions, elementary particles with fractional electric charge and which are likely to enable us to memorise and elaborate, with a high level of reliability, qbits, the elementary units of quantum information.

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