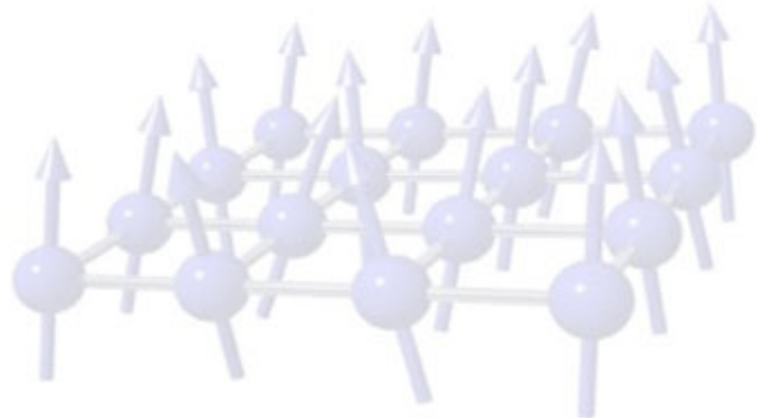


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Why should anyone care about computing with anyons?

In this talk we give a pedagogical introduction of the main ideas and recent advances in the area of topological quantum computation. We review the concept of anyons and their exotic statistics, we present various models that exhibit topological behavior, and we establish their relation to quantum computation. Possible directions for the physical realization of topological systems and the detection of anyonic behavior will be elaborated.



18. Dezember 2009, 15:30 Uhr

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