



# Physics Colloquium

## Majorana fermions in condensed matter physics

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### Abstract

In this talk I start with a pedagogical introduction to Majorana fermions in condensed matter. Then I discuss our recent result on an exactly solvable extension of quantum XY chain that allows for arbitrary number of Majorana zero modes characterized by a  $Z$  topological invariant.

### Date & Time

Wednesday, 5th of Esfand ( 24th of February ), 4:30 pm

### Venue

Farmanieh, Lecture room C

