



Contribution ID: 179

Type: **Oral presentation**

Bosonization of Majorana modes in arbitrary geometries

Wednesday, 28 July 2021 07:30 (15 minutes)

The bosonization procedure for Majorana modes based on Clifford algebra-valued degrees of freedom, valid for arbitrary lattices, will be summarized. In the case of honeycomb geometry the Kitaev model emerges. The role of boundary effects and edge states will be discussed.

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Session Classification: Theoretical developments and applications beyond particle physics

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