



Contribution ID: 131

Type: **Poster**

## **Super-Klein tunneling of Dirac fermions through electrostatic gratings in graphene**

*Wednesday 9 September 2020 17:20 (30 minutes)*

We use the Wick-rotated time-dependent supersymmetry to construct models of two-dimensional Dirac fermions in presence of an electrostatic grating. We show that there appears omnidirectional perfect transmission through the grating at specific energy. Additionally to being transparent for incoming fermions, the grating hosts strongly localized states.

**Presenter:** JAKUBSKÝ V.

**Session Classification:** Poster session