

# Graphene: Dirac fermions in curved spaces

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**Lugar:**

Sala de Conferencias  
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**Abstract:** It is well known that the low energy electronic excitations in graphene are described by the massless Dirac equation. It might seem natural in terms of effective field theories that when a graphene sheet is corrugated the description in terms of Dirac fermions can still be valid, but in a curved background. In this seminar we review the consequences of assuming such viewpoint and we compare it with the usual approach adopted in solid state physics.