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**Mechanical exfoliation of novel relativistic Mott insulators** SABRINA KAPLAN, JOSEPH GUZMAN, Cal State Univ- Long Beach, NICHOLAS BREZNAY, University of California, Berkeley, SAMANTHA CROUCH, Cal State Univ- Long Beach, JAMES ANALYTIS, University of California, Berkeley , CLAUDIA OJEDA-ARISTIZABAL, Cal State Univ- Long Beach — Graphene, the first one atom thick crystal observed in nature, was successfully isolated by mechanical exfoliation, a process in which layers held together by van der Waals forces can be peeled apart with the help of scotch tape. Here we show the application of this method together with nanofabrication techniques to integrate exciting novel layered materials into an electronic device.

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