mechanical systems. Fluorinated graphene; for example, is transparent but also mechanically strong,90,91 so that it could be a good material from which to build high-finesse optome- chanical cavities.92 Other two-dimensional systems of inter- est include h-BN, MoS2, and NbSe2, which are insulating, semiconducting, and metallic, respectively.24,93,94 In general, making mechanical devices out of single atomic layers opens up a wide range of possibilities enabled by the low mass and flexibility of these materials, while different materials will enable tailoring of the optical and electrical properties of the devices. Gra- phene resonators have already proven that they can be manu- factured in large .arrays