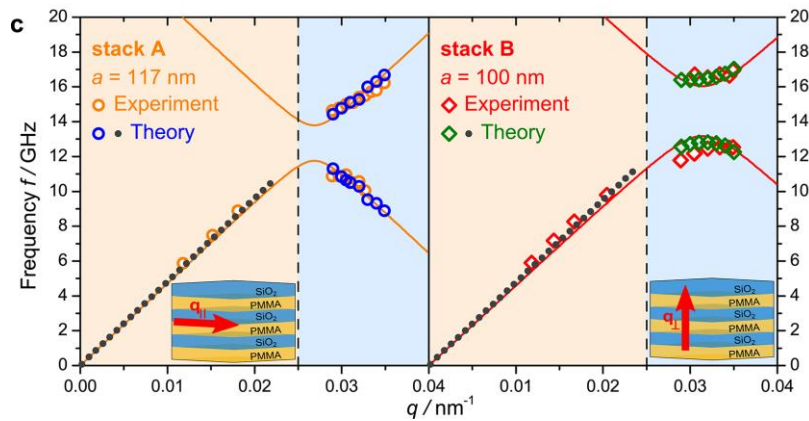


1.-2. Attogram weighing

Read the paper by Olcum *et al.*, www.pnas.org/cgi/doi/10.1073/pnas.1318602111. Describe the experiment performed and how the weights were obtained from them.

3. Band gaps for phonons

Schneider *et al.*, Nano Letters 2012 built a hybrid Bragg stack that featured different band gaps depending on the orientation. What makes the band gap different?



4. Future phononic devices

Maldovan, PRL 2013 described several possible future phononic devices. Shortly describe the idea behind each of them.

