Raman G-peak splitting in Multilayer Graphene / Transition Metal Halide systems

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Apparently unique Raman G-peak splitting has been observed in multilayer graphene / transition metal halide heterostructures. This G-peak splitting has features that are not consistent with strain-induced splitting [1] or splitting due to symmetry breaking [2], and also implies unique changes to the electronic structure of the multilayer graphene system.

References

[1] A.K. Sood, A. Das, Nature Nanotechnology, 3 (2008) 210-215
[2] M. Bruna and S. Borini, Physical Review B, 81 (2010) 125421