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## Polarized Raman Spectroscopy of Graphene

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Raman spectroscopy has become one of the most widely used tools in graphene research. The resonant Raman scattering process that gives rise to the observed strong Raman signal carries information regarding the electronic structure as well as the structural properties. When polarization of the incident excitation laser light or the scattered signal is carefully controlled, more information on the electronic and structural properties becomes available. In this tutorial, the basics of polarized Raman scattering experiments will be introduced first. Then several examples from real research will be highlighted to illustrate the application of polarized Raman spectroscopy in graphene research.

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