

Abstract Submitted
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Analysis of Nitrogen Doped Graphene via Scanning Electron Microscope and Raman Spectroscopy BRADLEY HINES, Stephen F. Austin State University — Analysis of Nitrogen Doped Graphene via Scanning Electron Microscope and Raman Spectroscopy HUNTER HINES, Department of Physics and Astronomy, Stephen F Austin State University- Nitrogen Doped Graphene is an alteration of graphene via the insertion of nitrogen atoms into the lattice of the carbon atoms. The purpose of this study was to characterize the structural and electronic properties of nitrogen doped graphene in comparison to similar properties of undoped graphene. This was done by analyzing a Nitrogen doped Graphene powder acquired from ACS using a Perkin Elmer Raman Station 400 fitted with a 785 nm laser at 50 mW and a JEOL-JSM-6100 scanning electron microscope (SEM).

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