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Effect of Diameter on Radiation Emitted by Carbon Nanotubes in Microwave Fields SARAH FERGUSON, DANIEL GONZALES, BRANDON CAVNESS, NIEMAN MCGARA, SCOTT WILLIAMS, Angelo State University — Carbon Nanotubes have been observed to emit ultraviolet, visible, and infrared radiation when placed in microwave fields. We have irradiated nanotubes of different diameters with 2.45 GHz microwaves and studied the spectra of the emitted radiation. We have also compared the spectra after several irradiation and cooling cycles in order to try and determine the mechanisms responsible for observed phenomena.

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