

Physical Chemistry Seminar

Tuesday,
January 29, 2013

11:00 am

Room 1315
Chemistry Building

Characterization of Ultrafine Aerosols by Vacuum Ultraviolet Light



Professor Ruth Signorell

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Host: Professor Etienne Garand

Ultraviolet photoionization has been widely used to study different types of molecular clusters. These investigations often focus on the characterization of size-dependent properties such as structure, vibrational frequencies, ionization energies, and dissociation energies. We are investigating how these methods could be exploited for the characterization of ultrafine aerosols. For that purpose, we compare experimental results for small clusters with those of ultrafine. Where experimental information is not accessible we try to complete the picture by modeling.

Refreshments will be available prior to the seminar at 10:45 a.m. outside room 1315

Graduate Students may meet with the speaker at 1:00 p.m. in Room 8335