

Photon Correlation Spectroscopy with visible light

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I will start with a largely qualitative description of the principles and methods of photon correlation spectroscopy. The application of PCS at visible wavelengths will be illustrated by experimental results on suspensions of “hard-sphere” colloids in their fluid and glassy states. If time allows, I will describe the special measures needed to suppress multiple scattering and to deal with non-ergodic samples.