

Abstract Submitted
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Small Angle Light Scattering from Stretched HDPE: An Experiment for the Advanced Lab JOHN ZWART, MATTHEW VANDE BURGT, Dordt College — Soft matter physics is an emerging research area. We have developed a desk top experiment, suitable for upper level undergraduates, in which the scattering pattern of HeNe laser light sent through a film of high density polyethylene (HDPE) is investigated. As a film of HDPE is deformed, the changing pattern of the scattered light can be correlated with structural changes of the HDPE.

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