

Abstract Submitted  
for the MAR14 Meeting of  
The American Physical Society

**Water Interaction with Poly (methyl methacrylate) and Polyethylene Films** PAUL JONES, THORIN KANE, BRIAN FAMILO, ROSS NETUSIL, PATRICK HOWARD, MARIE ROMANO, JOHN ST. LEGER, CAROLINA C. ILIE, SUNY Oswego, SOLID STATE GROUP TEAM — We present herein the water desorption from the dipole oriented poly (methyl methacrylate) PMMA and from polyethylene. We analyze the desorption peaks for the ice and the bulk species. And if the water desorption is coverage dependent or not. Hyperchem calculations of molecular orbitals for both polymers are also discussed. The energy of desorption is obtained by employing the Arrhenius and Polany-Wigner equations.

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Date submitted: 15 Nov 2013

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