

Abstract Submitted
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Haloform Adsorption on Crystalline Copolymers of Vinylidene Fluoride with Trifluoroethylene CAROLINA C. ILIE, SUNY Oswego - Physics, JIE XIAO, UNL - Physics and Astronomy, PETER A. DOWBEN, UNL Physics and Astronomy, SUNY OSWEGO - PHYSICS DEPARTMENT COLLABORATION, UNL PHYSICS AND ASTRONOMY COLLABORATION — Bromoform absorption on crystalline polyvinylidene fluoride with trifluoroethylene, P(VDF-TrFE 70:30) was investigated by photoemission and inverse photoemission and found to be associative and reversible. Molecular bromoform adsorption appears to be an activated process at 120 K with enhanced adsorption following the initial adsorption of bromoform. Strong intermolecular interactions are also implicated in the presence of a weak shake off or screened photoemission final state, whose intensity scales with the unscreened photoemission final state.

Carolina C. Ilie
SUNY Oswego

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