

Abstract Submitted
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3D Printing of Plastic Scintillators EMILY VANDERWOLF, RALPH
H FRANCE III, SHARON L. CARECCIA, Georgia College — There are many
ways to manufacture scintillators, but unfortunately many of these methods involve
the costly machining of crystal materials. We plan to reduce the cost by attempting
to manufacture plastic scintillators using a 3D printer. The most difficult challenge
has been making transparent prints. We have had success with PET, the same
plastic used in soda bottles. Upon successful clear plastic prints, we intend to use
recycled bottles to manufacture our own fiber.

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