

Abstract Submitted
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Plasma Display at the Liberty Science Center¹ DAN BRUDER, Rensselaer Polytechnic Institute, NICK GILLIGAN, The Pingry School, LISA TARMAN, William Penn Senior High, PAMELLA FERRIS, Riverside Middle School, JAMES MORGAN, JOHN DELOOPER, ANDREW ZWICKER, Princeton Plasma Physics Lab — The Liberty Science Center (LSC) is the largest (300,000 sq. ft.) education resource in the New Jersey – New York City region. PPPL in collaboration with the LSC has had a display at the center since 2007. More than 1.5 million visitors have come to the museum since the plasma display has been introduced. The plasma display has had significant use during that time frame. During the summer of 2009 a redesigned plasma exhibit was created by a student teacher-team using the lessons learned from the existing exhibit. The display includes a DC glow discharge tube with a permanent external magnet allowing visitors to manipulate the plasma and see how plasma can be used for fusion research. The goal of the display is to allow an individual to see a plasma and understand the potential benefits of fusion energy.

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