

Abstract Submitted
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Enhancing physics demonstration shows: where physics and the arts meet to achieve success DONNA HAMMER, TIM UHER, University of Maryland College Park — Physics demonstrations are widely used by universities in undergraduate education and public outreach to engage students and teach physics concepts. At the University of Maryland, the Physics is Phun public demonstration programs are a vehicle for public outreach with longstanding success (dating back to 1982). A recent program, “Out of the Dark,” presented the evolution of the fields of electricity and magnetism by merging physics demonstrations with history and performing arts. In this session, we will discuss methods by which these outside fields can be utilized in a demonstration program. We will also discuss the outcomes of these methods in enhancing engagement of audience members and undergraduate majors alike.

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