

Tunable Achromatic Focusing Optics for High-Current Laser-Accelerated Proton Beams

Tuesday, 4 June 2013 18:50 (25 minutes)

This presentation will focus on demonstrating the possibility to highly focus high energy proton beams by self-generated magnetic field produced during the interaction of a high contrast, high intensity laser beam with thin solids targets of various materials. We will show, using experiments and simulations, that knowing the dynamics of such self-generated magnetic field allow us to control the collimation of high energy proton beam.

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