

Abstract Submitted  
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**The AWA BPM Project** JEN HSIN, JON WALSH, University of Chicago, AWA TEAM — Our project investigates methods of studying the transverse electron beam profile at the Argonne Wakefield Accelerator (AWA). Currently we are testing the resolutions of two beam position measurement systems: direct imaging using Yttrium Aluminum Garnet (YAG) crystal, and the Beam Position Monitoring (BPM) system. The ultimate goal is to employ a dependable and high-resolution beam position measuring system to study the accelerating capability of the wakefield structure.

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