

Vision and preliminary design of the 1L target Mark-4

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Abstract

In April 2010 the Mark-3 version of the 1L target, which serves the Manuel Lujan Jr. Neutron Scattering Center at the Los Alamos National Laboratory, was installed. In June 2010 the Mark-3 target was then put into production mode. Since then operations and the instrument scientists have been working with this new target for almost two full run-cycles and had the chance to gain experience with the new target. Based on these experiences we, in cooperation with the instrument scientists, have compiled metrics (wish lists) for Mark-4 for every flight path at the Lujan Center.

In this presentation we will talk about these metrics, how we are planning on addressing them and what challenges we are facing.