

Physics opportunities with meson beams

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Collaboration

Abstract content

A secondary beam of neutral kaons has been proposed for Hall D at Jefferson Lab; this beam line is to be used with the GlueX experimental setup for strange hadron spectroscopy. A flux on the order of 3×10^4 K_L/s will allow a broad range of measurements to be made by improving the statistics of previous data obtained on hydrogen targets by three orders of magnitude. Use of a deuteron target will provide first measurements on the neutron. This talk will present the opportunities for new physics afforded by this proposed beam line.

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