

Abstract Submitted  
for the DNP08 Meeting of  
The American Physical Society

**Determination of neutron beam parameters of the DANCE flight path at LANSCE** JOHN ULLMANN, MICHAL MOCKO, TODD BREDEWEG, AARON COUTURE, ROBERT HAIGHT, MARIAN JANDEL, AUGUST KEK-SIS, GUENTER MUHRER, JOHN O'DONNELL, OLIVIER ROIG, ROBERT RUNDBERG, DAVID VIEIRA, JAN WOUTERS, Los Alamos National Laboratory, CHING-YEN WU, JOHN BECKER, Lawrence Livermore National Laboratory, BAYARBADRAKH BARAMSAI, ANDRII CHYZH, North Carolina State University — Important characteristics of a moderated neutron beam include the time distributions of neutrons at a given energy (resolution function) and the absolute neutron flux. We will present a determination of the resolution function for the DANCE flight path at LANSCE. The determination is based on fitting resolved resonances from 1 eV to 1 keV using the SAMMY code. These results will be compared to Monte-Carlo calculations made using the MCNPX code with a detailed model of the target-moderator system and flight path.

John Ullmann  
Los Alamos National Laboratory

Date submitted: 07 Jul 2008

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