

Abstract Submitted
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Undergraduate Ex-
periences in Cutting-edge Research Experiments¹ AUTUMN HAAGSMA,
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ORATION — A collaboration of 10 institutions, including a large number of un-
dergraduate schools, proposed, constructed, and now conducts experiments with a
highly efficient large-area neutron detector located at the National Superconducting
Cyclotron Laboratory. The Modular Neutron Array (MoNA) is designed to detect
high-energy neutrons in experiments that explore the neutron dripline using rare
isotope beams. The MoNA collaboration serves as a model for involving under-
graduates from small colleges and universities in large-scale experimental nuclear
physics research at a national user facility. The experiences and accomplishments of
the undergraduates in this “Mongol Horde” will be presented by two of the student
participants.

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