

22nd International Symposium on Spin Physics at UIUC



Jointly organized by Indiana University and Illinois



INDIANA UNIVERSITY
BLOOMINGTON



1941 first Indiana Cyclotron
led by A.C.G. Mitchell

- Founded in 1820
- 32700 undergraduate and 10450 graduate students in 900 individual degree programs
- 8,700 International students

University of Illinois at Urbana Champaign



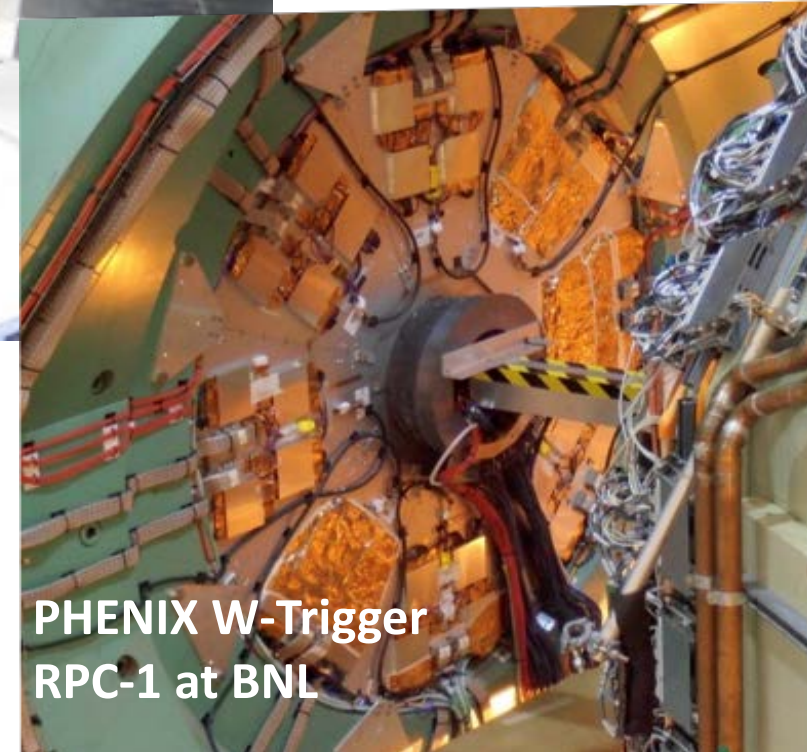
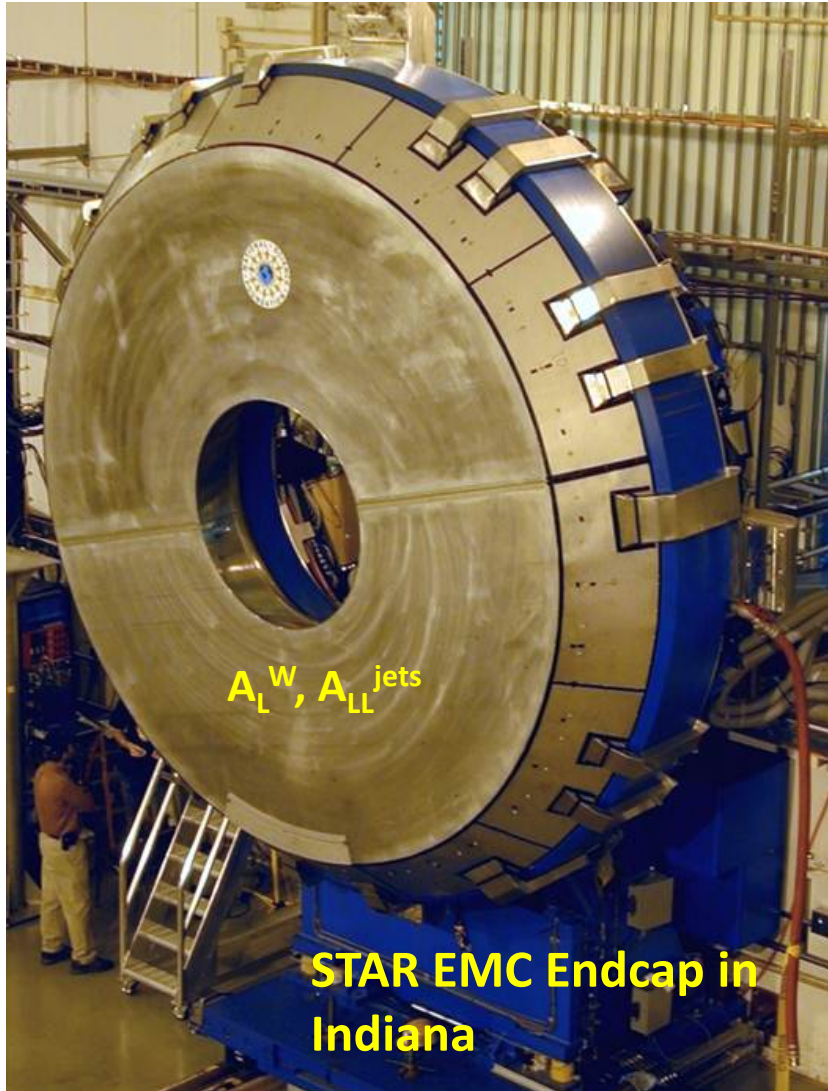
1936 – 30 MeV UIUC cyclotron by P. G. Kruger



1941 – 24 MeV Betatron
by D. Kerst

Founded 1867
32,900 undergraduate students
11,200 postgraduate students
10,300 foreign students from 121 countries

Indiana and Illinois have Led NSF Funded RHIC Spin Physics Projects in STAR and PHENIX



INDIANA-ILLINOIS WORKSHOP ON FRAGMENTATION FUNCTIONS



Indiana-Illinois Workshop on Fragmentation Functions

Dec 12th-14th 2013,
Bloomington, IN



Illinois-Indiana-RBRC

First measurement of **spin-dependent effects in quark fragmentation** and precision measurement of unpolarized quark fragmentation functions for use in global analysis of TMD data from SIDS and pp!

Nuclear Physics Laboratory at UIUC



ATLAS-Heavy-Ion

Anne Sickles

COMPASS

Naomi Makins, Jen-Chieh Peng, Matthias Perdekamp, Caroline Riedl

Daya Bay

Jen-Chieh Peng

EXO

Liang Yang

neutron EDM

Doug Beck, Steve Williamson, Liang Yang

PHENIX/sPHENIX

Matthias Perdekamp, Anne Sickles

SeaQuest

Naomi Makins, Jen-Chieh Peng

A large, blue and silver particle detector component is being lowered by a crane in a large industrial hall. The component is suspended by a chain and hook. Several workers in hard hats and safety gear are visible around the component, some standing on ladders. The background shows a complex network of pipes, scaffolding, and structural elements of the facility.

Indiana Center for Exploration of Energy and Matter

QCD Spin in Belle and STAR

Neutrinos

Weak Interactions with neutrons

Electric Dipole Moment searches

Storage Rings for Charged Particles

Scott Wissink, Anselm Vossen, Will Jacobs

Rex Tayloe

Mike Snow

Chen-Yu Liu, Mike Snow, Josh Long

Ed Stephenson