

College of Arts & Sciences

# EXPERIMENTAL NUCLEAR PHYSICS ON THE RHINE Germany

*June 8–July 6, 2019*

## PHYSICS-4301-4 Special Topics: Particle Detection & Instrumentation

- Open to Physics, Electrical/Mechanical Engineering & Mathematics Majors
- 3 Credits
- \$3,500 (includes flight) + LU Tuition



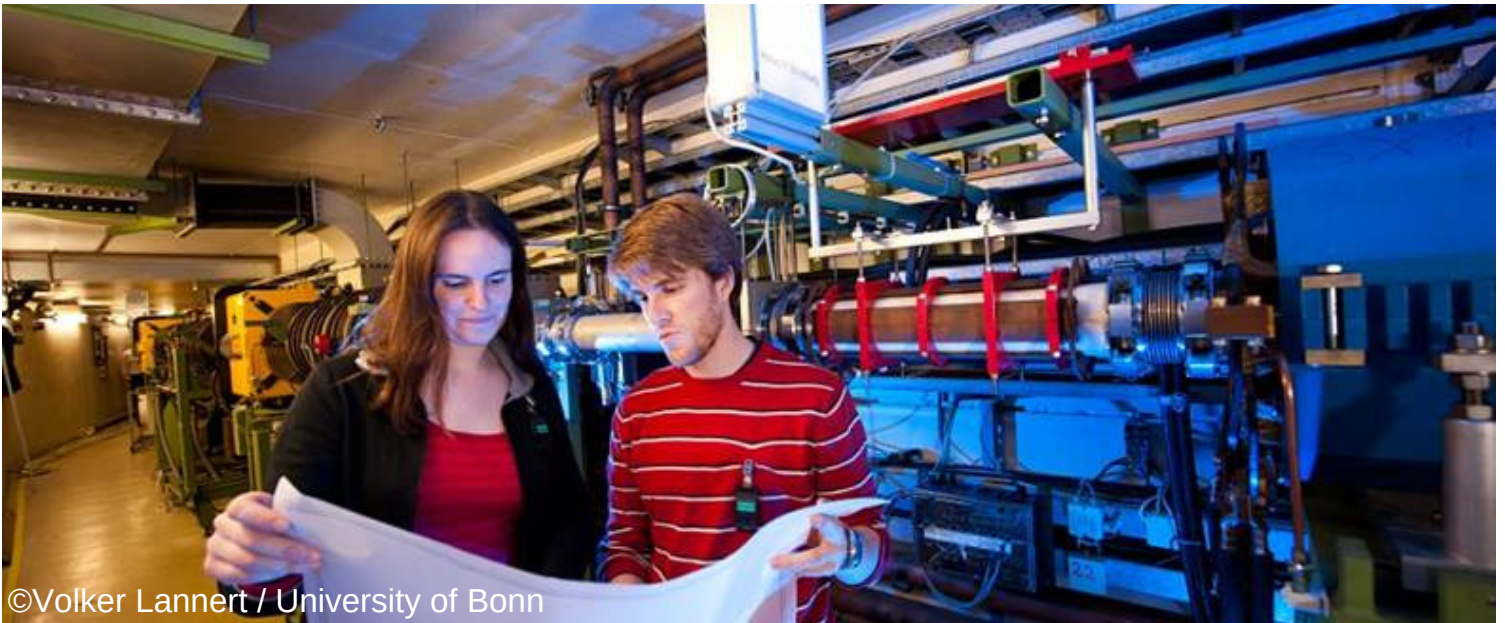
"THERE IS NO OTHER COURSE LIKE THIS  
IN THE WORLD"



# Be a part of a once in a lifetime experience! Physics the LU Way!

## HIGHLIGHTS INCLUDE:

- Work at a world-class accelerator with world experts learning the theory and practice of understanding the inner structure of protons and neutrons.
- Team-taught classes and lab research taught by faculty members from Lamar and the University of Bonn.
- Culminates in taking real data from a world-class particle-beam accelerator in real time with a real world-class detector (BGO-OD).
- Explore quaint villages, castles, and the Cathedral in Cologne, all within a one-hour train trip.
- Enjoy beautiful scenery by boat along the Rhine River, including the famous Lorelei.



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