Introduction

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- **REU program (NSF-support):**
  - Profs Homer Neal and Jean Krisch have run this program from 2001 to 2013 with the help of an on-site coordinator (Jeremy Herr or Steven Goldfarb)
  - 197 students enrolled in the 13 years of program
  - Profs Emanuel Gull and Junjie Zhu started to run the program from 2013 to 2016
  - Profs Myron Campbell and Junjie Zhu started to run the program since 2017 together with Steven and Jennifer
  - 15 excellent students selected each year out of over 200 applicants

- **HST program (NSF-support):** running at CERN for three-weeks, 5 teachers each year and overall 65 US physics teachers enrolled in the period of 2006-2018

- **Study-abroad program (Lounsbery Foundation-support):** running at CERN for one or two semesters, ~20 students enrolled since 2013 (if you are interested in this program, please apply through the UM physics webpage)

- Worked on the D0 experiment for the discovery of the top quark and Xi-b hyperons, and the ATLAS experiment for the discovery of the Higgs boson
- Member of NSF’s National Science Board (1980-1986) and produced the board’s first comprehensive report on undergraduate science education
- Initiated the UM-CERN REU program around 2000
- Interim president of the University of Michigan (1996)
- President of the American Physical Society (2016)
UM-CERN REU program

- Website: https://www.um-cern-reu.org
- Please help us advertise the program to your friends and fellow students and we need to have excellent students like you
Misc.

• Need to send us the evaluation form and also two essays that describe cultural and research experience before your departure
• Remember to return the things you borrowed (lab keys, computers and other equipment)
• Pay your hostel fee
• NSF wants us to send some pictures with students working on projects, if you have some high-quality pictures, please send to us!
• We have your permission to post some of your pictures and your names on our REU website
• If you have your university or local news about your REU experience/awards received, please let us know and we would like to link such news on our website
• Also if you have any suggestions about the website (preparations before arrival, transportation/local information about CERN etc, Q&A) please let us know
• Let us know if you need recommendation letters later for your graduate school application, better to get letters from your supervisors
• We also encourage you to apply to UM graduate school
• We hope you had a nice summer at the world’s premium particle laboratory
• Have a nice journey back to US and let us stay in touch!
Department of Physics at Michigan

- Website: [http://www.lsa.umich.edu/physics/](http://www.lsa.umich.edu/physics/) (~55 active faculty members)
- Research areas: cosmology/astrophysics, AMO, biophysics, nuclear/elementary particle physics, condensed matter and complex system, applied physics
- Strong particle physics and astrophysics program (ATLAS, K0TO, LZ, MicroBOONE, PHENIX, SeaQuest, DES, DESI, LIGO, Leinweber Center for Theoretical Physics, 5 out of 6 Nobel prizes associated with UM physics worked on particle physics)
- Largest university group in US working on ATLAS

Randall lab

Summer Symposium on Theoretical Physics