

PHYSICS FEST 2015

Activity/Event	Time	Location in Small Hall
Physics Playroom	10am - 4pm	Room 122
Liquid Nitrogen Ice Cream	10am - 4pm	Main Lobby
Research Laboratories Visits and treasure hunt	10am - 2pm	Basement . First Floor - see side panel for locations)
Hand-on interactive displays	10am - 4pm	First floor hallway and Small Hall front lawn
Sun astronomical viewing (weather permitting)	10am- 4pm	Small Hall, Observatory (take the elevator to P)
Public Lectures	10.30am - 4pm (see schedule below)	Small Hall Lecture Hall; Room 111
Physics Demo shows	11am - 4pm (see schedule below)	Small Hall Lecture Hall; Room 110
Makerspace open house	12 - 4pm	Small 143
Lego Robotics show	1 - 2pm	Small Hall library

Important: We are happy to see you in Small Hall, but please keep in mind that you are visiting operating research facilities. Please do not touch any research equipment.
Children must be supervised at all times.

Participating Laboratories

Photon Spectroscopy (Prof. Mumtaz Qazilbash, Basement, Room 024)

Thin Films and Nano-science (Prof. Ale Lukaszew, Basement, Room 030)

Quantum Optics (Prof. Eugenyi Mikhailov, Room 032)

Bose-Einstein Condensate (Prof. Seth Aubin, Basement, Room 069)

Experiments with Subatomic Particles (Prof. Todd Averett, Room 167)

Ultrafast Studies of Novel Materials (Gunter Luepke, Basement, Room 064)

Public lectures and demo shows schedule

Time	Small 111
10.30am	Robert McKeown <i>Nobel-inspired lecture Neutrinos: Big Prizes for Tiny Particles</i>
11.30am	Seth Aubin <i>Laser cooling, parity violation, and atom lasers</i>
12.30pm	Melissa Guidry, Eve Chase <i>LIGO: hunting tiny ripples in space with giant lasers</i>
1.30pm	Ale Lukaszew <i>Structural color, metamaterials and plasmons</i>
2.30pm	Bill Cooke <i>Diffuse Optical Tomography</i>
2.30pm	Irina Novikova <i>As you light it: fast light, slow light, frozen light</i>

Time	Small 110
11 am	Physics demo show: Amazing states of matter
12pm	Physics demo show: Light an lasers
1 pm	Physics demo show: Amazing states of matter
2 pm	Physics demo show: Light an lasers
3 pm	Physics demo show: Amazing states of matter

Hand-on interactive displays
Speed or light race (outside)
Giant oobleck pool (outside)
Laser maze
Melting pot in a microwave
Thin film magic
Optical mirror illusion
Polarization art
Hovercraft



Parking may be harder than usual due to Homecoming activities on Campus, but there are often some spaces available in the parking garage and parking lots on Ukrop Drive, they are open for public!