

PhysicsFest 2012

Activity/Event	Time	Location
Undergraduate research poster session	10 – 11.30am	Small Hall Physics Library
Physics Playroom	10am – 4pm	Small Hall Room 122
Liquid Nitrogen Ice Cream	11.30am – 4pm	Small Hall Main Lobby
Research Laboratories Visits and treasure hunt	12 – 4pm	Small Hall; Basement and First Floor
Spectrum hand-on displays	12 – 4pm	Small Hall, First Floor corridor
Day light astronomical viewing	12 – 4pm	Small Hall, Observatory (take the elevator to P)
Public Lectures	12 – 4pm (see schedule below)	Small Hall Lecture Hall; Room 111
Physics Demonstrations	12.30 – 4pm (see schedule below)	Small Hall Lecture Hall; Room 110

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

Solid state physics (Mumtaz Qazilbash, Room 028)

Nano-physics (Ale Lukaszew, Room 030)

Quantum Optics (Eugeniy Mikhailov, Room 032)

Solid state NMR (Gina Hoatson & Bob Vold, Room 115)

Experiments with Subatomic Particles (Todd Averett, Room 167)

Public lectures and demos schedule

Time	Small 111
12pm	Joshua Erlich <i>What is everything made of?</i>
1pm	Bob Welsh <i>The WWII Enigma Machine; How it worked, how the Allies broke it (with an actual Enigma Machine for the audience to play with)</i>
2pm	Seth Aubin <i>Nobel 2012: Quantum treatment for atoms and photons</i>
3pm	Ale Lukaszew <i>Structural color, metamaterials and plasmons</i>

Time	Small 110
12.30pm	Physics demo show!
1.30pm	Physics demo show!
2.30pm	Physics demo show!
3.30pm	Physics demo show!

