



saturday morning PHYSICS

Session One

Lecture and Tour Schedule

Sept 29 – Dec 15, 2018

Classes meet in Wilson Hall - One West

Lectures begin at 9:00 a.m. – ¹Tours are from 11 am - 12 pm

Dates	Topic/Lecture	Teacher	Tours Groups
Sep 29	Introduction to Science at Fermilab	Pedro Machado <i>Fermilab</i>	Groups 1 & 3 – Wilson Hall 15 th Floor Groups 2 & 4 – Accelerator
Oct 6	Special Relativity	Elliott McCrory <i>Fermilab Accelerator Division</i>	Groups 1 & 3 – Accelerator Groups 2 & 4 – Wilson Hall 15 th Floor
Oct 13	Quantum Mechanics	Dan Hooper <i>Fermilab Particle Physics Division</i>	Group 1 – Booster & MI Group 2 – Neutrino Group 3 – Muon Campus Group 4 – SiDet
Oct 20	Antimatter, Symmetry and Supersymmetry	Javier Duarte <i>Fermilab</i>	Group 1 – SiDet Group 2 – Booster & MI Group 3 – Neutrino Group 4 – Muon Campus
Oct 27	The Standard Model of Particle Physics	Cecilia Gerber <i>University of Illinois-Chicago</i>	Group 1 – Muon Campus Group 2 – SiDet Group 3 – Booster & MI Group 4 – Neutrino
Nov 3	Neutrinos	Leonidas Aliaga <i>Fermilab Scientific Computing Division</i>	Group 1 – Neutrino Group 2 – Muon Campus Group 3 – SiDet Group 4 – Booster & MI
Nov 10	Energy and Climate	Elisabeth Moyer <i>University of Chicago</i>	Group 1 – SRF Group 2 – Magnets Group 3 – DZero Group 4 – GCC
Nov 17	Particle Accelerators	Cindy Joe <i>Fermilab Neutrino Division</i>	Group 1 – GCC Group 2 – SRF Group 3 – Magnets Group 4 – DZero
Nov 24	*****NO CLASS*****	Holiday break	*****NO CLASS*****
Dec 1	Cosmology	Ting Li <i>Fermilab Particle Physics Division</i>	Group 1 – DZero Group 2 – GCC Group 3 – SRF Group 4 – Magnets
Dec 8	Particle Detectors	Mandy Rominsky <i>Fermilab</i>	Group 1 – Magnets Group 2 – DZero Group 3 – GCC Group 4 – SRF
Dec 15	Physics and Society	Tim Meyer <i>Fermilab Director's Office</i>	Graduation Day - No tours

¹ The DZero tour lasts a longer than the other tours.
Students should expect to be back at Wilson Hall by about 12:30 pm.
Please consider your safety before attempting to come to class due to inclement weather.

<http://saturdaymorningphysics.fnal.gov>

Registration Contact: rosa@fnal.gov

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