

Monday – 25 June

Morning: Science at SCIPP, Visit of labs, Report from previous year's student activities

11:30-12:30 Talk, room 307 Nat Sci 2

Afternoon: People Physics Book: The authors J. & J. Dann have an original approach to teaching physics. They will present some of their thoughts and we will discuss some of their concepts.

<http://nova.menloschool.org/~jdann/PPBweb/PPBhomepage.htm>

Tuesday – 26 June

Morning: Balloon Flight: discuss results from previous Balloon Fests

<http://www.pasoschools.org/endeavour/General/BalloonFest2007/>

11:30-12:30 Talk, room 307 Nat Sci 2

Afternoon: Future Balloon Fest experiments, measurements to study global warming, sterling engines, Good demo's for the class room.

Wednesday – 27 June

Morning: Tesla presentation, Tesla Coil hardware

11:30-12:30 Talk, room 307 Nat Sci 2

Afternoon: Tesla Coil: learn more about the physics principles of the Tesla Coil and its operation. Work on a powerpoint presentation incorporating modern sciences issues: Particle Physics, Cosmology, Lightning, Cosmic Rays, Mutations, Evolution. <http://scipp.ucsc.edu/outreach/tesla.html>

Thursday – 28 June

Morning: Muon Life time: Class room experiment using C.R. detectors. Special relativity in action, with emphasis on data analysis and error calculation. <http://scipp.ucsc.edu/outreach/internships/2005Internship/Students2005.htm>

<http://scipp.ucsc.edu/outreach/internships/2004Internship/Students2004.htm>

11:30-12:30 Talk, room 307 Nat Sci 2

Afternoon: Quarknet Cosmic Ray (C.R.) Detectors: Mini workshop on building and doing experiments with the Quarknet C.R. detectors. We are inviting Quarknet personnel to attend. <http://quarknet.fnal.gov/>

Friday – 29 June

Morning: Quarknet CR detector workshop continued.

11:30-12:30 Talk, room 307 Nat Sci 2

Afternoon: General Discussion of Modern Physics Concepts: Special Relativity, Quantum Mechanics, presented with videos and questions and answers sessions with UCSC faculty and students

SCHEDULE OF TALKS, Room 307, Nat Sci 2:

Monday	6-25-07	What is the Higgs boson?	Nielsen						
Tuesday	6-26-07	A Theoretical Physicist Looks at the LHC	Dine						
Tuesday PM	6-26-07	Balloon Flight Experiments and Demo's	Rosenblum	Graf	Bellanger	Dann	Kliewer	Schalk ?	
Wednesday	6-27-07		Guhathakurta						
Thursday	6-28-07		Schumm						
Friday	6-29-07		Atwood						
Friday PM	6-29-07	Selected Topics in QM and Sp.Rel.	Dine	Nielsen	Rosenblum	Schumm	Sadrozinski		