

Title: Welcome PSI 2012/13

Date: Aug 13, 2012 09:00 AM

URL: <http://pirsa.org/12080011>

Abstract:



# Introduction to PSI

- Introduction to PSI Fellows



Tibra



Denis



David



Dan



Lilia



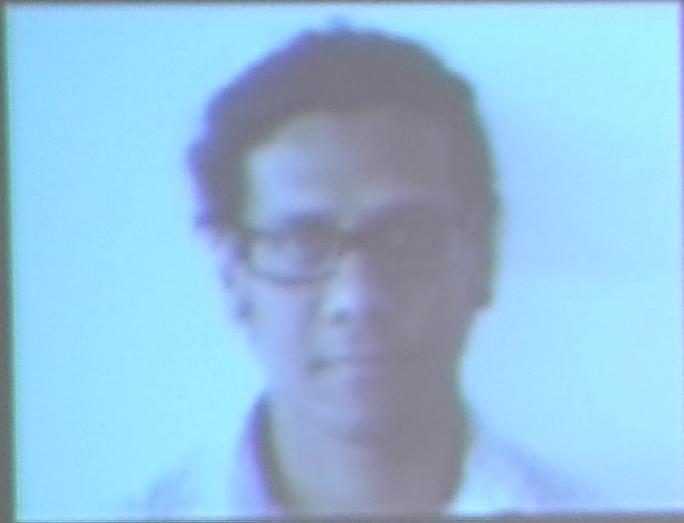
Sarah



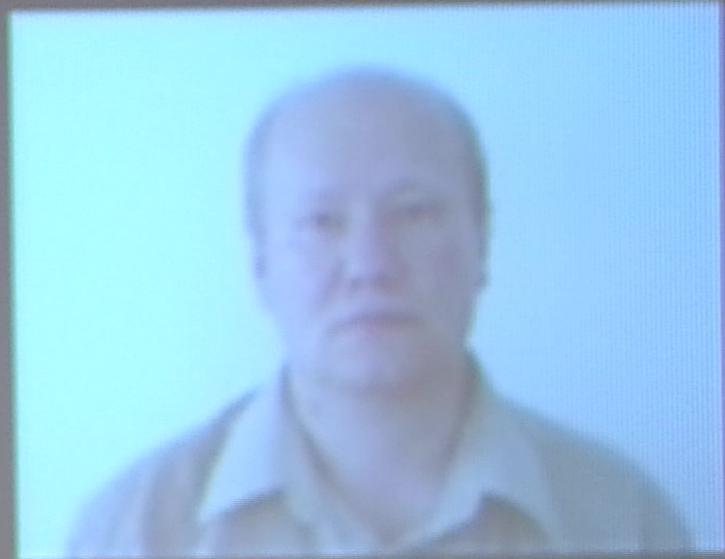
Anna



PERIMETER **PI** INSTITUTE FOR THEORETICAL PHYSICS



Tibra

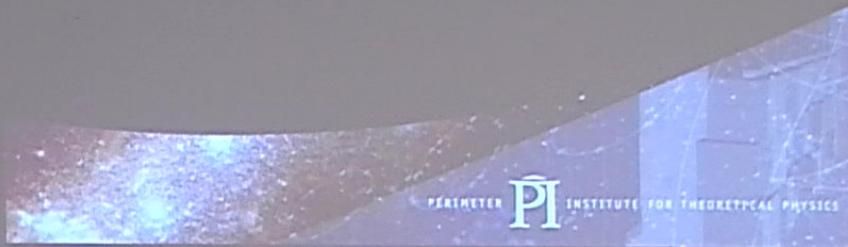


Denis

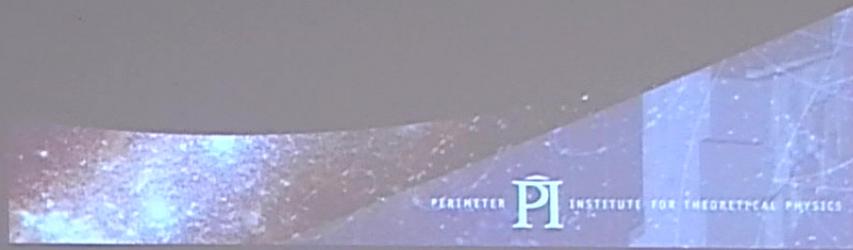


# Philosophy of PSI

- ~~Competition, Race, Winners, Losers~~
- Cooperation
- Work together, report separately
- Help each other: Teaching  $\leftrightarrow$  Learning

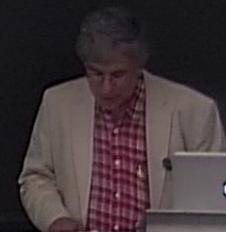
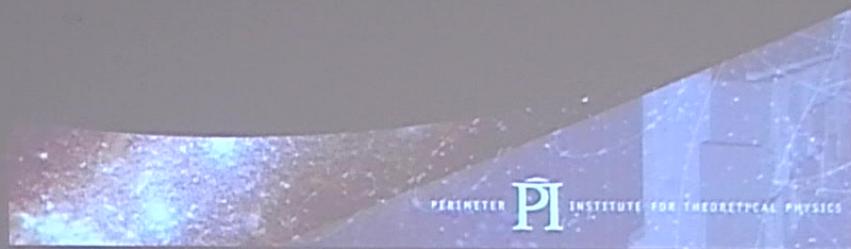


# Culture of PSI and PI



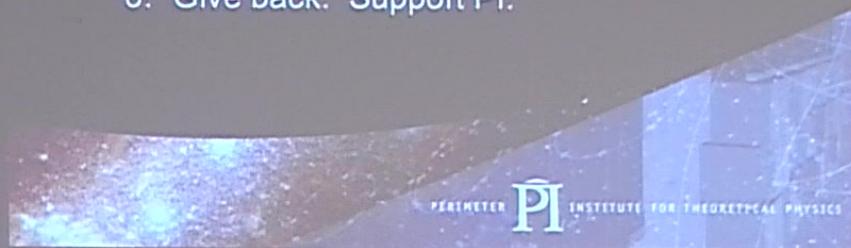
## Culture of PSI and PI

1. PI is a nice place.
2. PSI "Social Contract."
3. Behaviour matters.



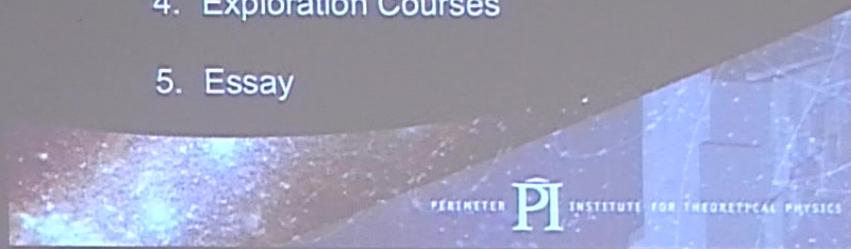
## Culture of PSI and PI

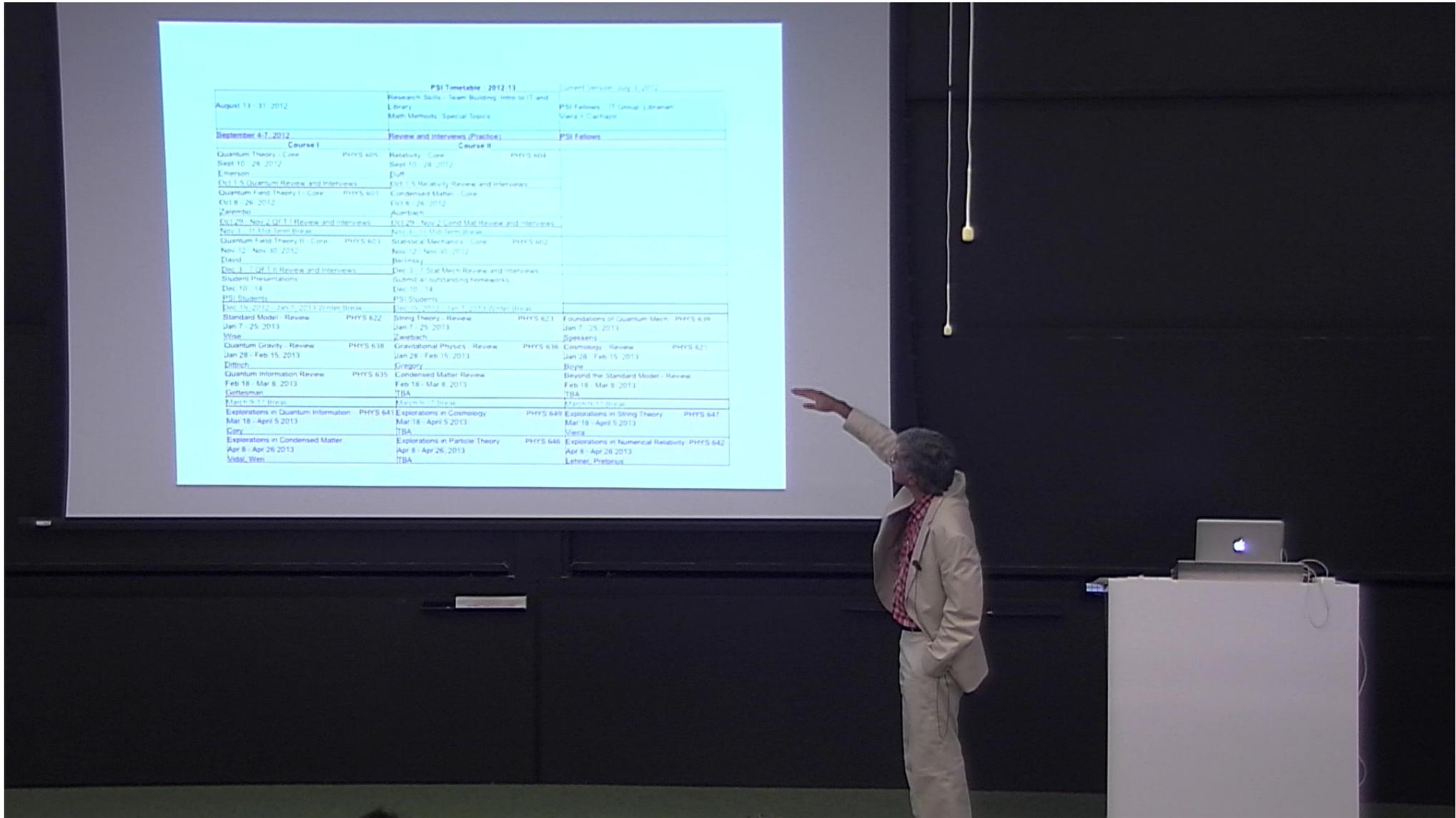
1. PI is a nice place.
2. PSI "Social Contract."
3. Behaviour matters.
4. Get to know people. Make friends.
5. Respect each other.
  
6. Give back. Support PI.



# Schedule

1. Front End
2. Core Courses
3. Review Courses
4. Exploration Courses
5. Essay



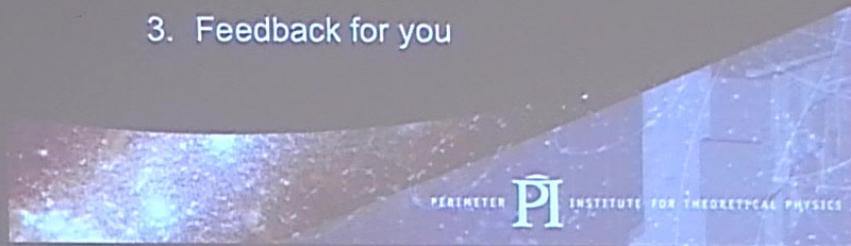


**PSI Timetable - 2012-13**      *Current Version: July 3, 2012*

August 13 - 31, 2012	Research Skills - Team Building, Intro to IT and Library Math Methods, Special Topics	PSI Fellows - IT Group, Librarian Viana + Carham	
<b>September 4-7, 2012</b>	<b>Review and Interviews (Practice)</b>	<b>PSI Fellows</b>	
	<b>Course I</b>	<b>Course II</b>	
Quantum Theory - Core	PHYS 405	Relativity - Core	PHYS 404
Sept 10 - 28, 2012		Sept 10 - 28, 2012	
Emerson		DuP	
Oct 1-5 Quantum Review and Interviews		Oct 1-5 Relativity Review and Interviews	
Quantum Field Theory I - Core	PHYS 401	Condensed Matter - Core	
Oct 8 - 26, 2012		Oct 8 - 26, 2012	
Zemlin		Auerbach	
Oct 29 - Nov 2 Oct 11 Review and Interviews		Oct 29 - Nov 2 Cond Mat Review and Interviews	
Nov 3 - 11 Mid-Term Break		Nov 3 - 11 Mid-Term Break	
Quantum Field Theory II - Core	PHYS 403	Statistical Mechanics - Core	PHYS 402
Nov 12 - Nov 30, 2012		Nov 12 - Nov 30, 2012	
Dreis		Belinsky	
Dec 1 - 7 Oct 13 Review and Interviews		Dec 1 - 7 Stat Mech Review and Interviews	
Student Presentations		Submit all outstanding homeworks	
Dec 10 - 14		Dec 10 - 14	
PSI Students		PSI Students	
Dec 15, 2012 - Jan 7, 2013 Winter Break		Dec 15, 2012 - Jan 7, 2013 Winter Break	
Standard Model - Review	PHYS 622	String Theory - Review	PHYS 621
Jan 7 - 25, 2013		Jan 7 - 25, 2013	
Wise		Zweibach	
Quantum Gravity - Review	PHYS 638	Gravitational Physics - Review	PHYS 636
Jan 28 - Feb 15, 2013		Jan 28 - Feb 15, 2013	
Ditrich		Gregory	
Quantum Information Review	PHYS 635	Condensed Matter Review	
Feb 18 - Mar 8, 2013		Feb 18 - Mar 8, 2013	
Gottelman		TBA	
March 9-11 Break		March 9-11 Break	
Explorations in Quantum Information	PHYS 641	Explorations in Cosmology	PHYS 649
Mar 18 - April 5, 2013		Mar 18 - April 5, 2013	
Cori		TBA	
Explorations in Condensed Matter		Explorations in Particle Theory	PHYS 648
Apr 8 - Apr 26, 2013		Apr 8 - Apr 26, 2013	
Vidal, Wen		TBA	
		Explorations in Numerical Relativity	PHYS 642
		Apr 8 - Apr 26, 2013	
		Lehner, Pretorius	

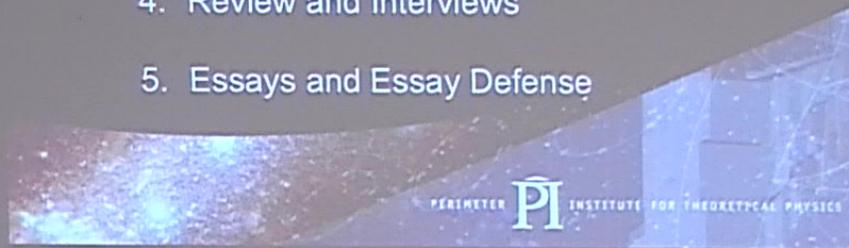
# Purposes of Evaluation

1. Satisfaction of degree requirements
2. Grad School recommendations (including PI)
3. Feedback for you

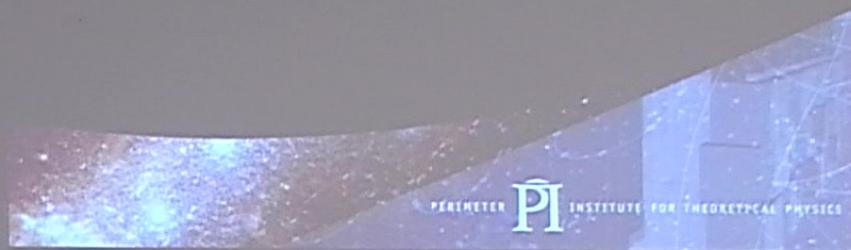


# Methods of Evaluation

1. Homework
2. Interactions in tutorials and classes
3. Presentations
4. Review and Interviews
5. Essays and Essay Defense



- Pass/Fail Criteria
- Earning your PSI Degree



# Q & A

