

Hidden Symmetries and Fusion Energy: Team Meeting
Princeton Center for Theoretical Science (PCTS), Jadwin Hall, Fourth Floor
March 25-27, 2019

March 25

08:00-09:00 *Registration and Breakfast*

PLENARY: PCTS SEMINAR ROOM

09:00-09:30 Introduction and Objectives A. Bhattacharjee

09:30-10:30 Magnetic Field-Line Flow:
Status and Challenges R. MacKay/J. Meiss

10:30-11:00 *Coffee*

11:00-12:00 Confinement: Status and
Challenges P. Helander
[S. Hudson/G. Plunk](#)

12:00-01:00 *Lunch*

01:00-02:00 MHD Equilibrium and Dynamics:
Status and Challenges J. Loizu

BREAKOUT: PCTS SEMINAR ROOM AND BREAKOUT SPACES

02:00-03:00 Breakout Sessions

03:00-03:30 *Coffee*

03:30-05:00 Breakout Sessions

06:00-08:00 *Team Dinner*

March 26

08:00-08:45 *Breakfast*

PLENARY: PCTS SEMINAR ROOM

08:45-09:30 Summary of Breakout Sessions from March 25 (15 minutes each)

09:30-10:30	SIMSOPT: Status and Challenges	A. Cerfon/M. Landreman S. Henneberg
<i>10:30-11:00</i>	<i>Coffee</i>	
11:00-12:00	Optimization	D. Bindel/G. Stadler
<i>12:00-01:00</i>	<i>Lunch</i>	
01:00-02:00	PDE Theory	P. Constantin/R. Dewar

BREAKOUT: PCTS SEMINAR ROOM AND BREAKOUT SPACES

02:00-03:00	Breakout Sessions
<i>03:00-03:30</i>	<i>Coffee</i>
03:30-05:00	Breakout Sessions

March 27

08:00-08:45 Breakfast

PLENARY: PCTS SEMINAR ROOM

08:45-09:30	Summary of Breakout Sessions from March 26 (15 minutes each)
09:30-10:30	Team Discussions on Milestones
<i>10:30-11:00</i>	<i>Coffee</i>
11:00-12:00	Team Discussions on Milestones
<i>12:00-01:00</i>	<i>Lunch</i>
<i>01:00-02:00</i>	<i>Writing of Summaries on Milestones and Collaborations</i>
01:00-03:00	Summaries and Path Forward
<i>03:00</i>	<i>Adjournment</i>