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ZFSP 2015 Workshop Agenda

Sunday July 19

6:00 to 8:00 pm: Reception with appetizers.

Monday July 20

8:30 to 9:00 am Opening statements, *Keith Matzen*

9:00 to 9:45 am Status and objectives. Includes the call for proposals, the review process, ZFSP status and future, and instructions for break-out sessions. *Thomas Mattsson*

9:45 to 10:30 am: The Z facility status, *Joel Lash*

10:30 to 11:00 am: Break

11:00 to 11:45 am: Z Diagnostics, *Chris Bourdon*

11:45 to 1:00 pm: Lunch

1:00 to 4:30 pm: Planetary and Materials Science Plenary Session, organized by *Sarah Stewart and Thomas Mattsson*

1:00 to 1:45 pm: Fe, earth and moon, *Sarah Stewart*

1:45 to 2:30 pm: Hydrogen at planetary conditions, *Ronald Redman*

2:30 to 3:15 pm: Understanding mantles and cores of Earth-like planets, *Stein Jacobsen*

3:15 to 3:30 pm: Break

3:30 to 4:30 pm: Kinetics of phase transitions, *Jon Belof*

4:30 to 5:30 pm: Interacting with SNL: a panel discussion on interacting with SNL and Fundamental Science.

8:30 to noon: **MagLIF Plenary Session**, organized by *Dan Sinars*

Session Details:

8:30 to 9:30 am: MagLIF status: *Dan Sinars*

9:30 to 10:15 am: Laser heating a plasma at LLE, *Jonathan Davies and Adam Harvey-Thompson*

10:15 – 10:30 am: Break

10:30 to 11:00 am: Laser heating a plasma at SNL, *Matthias Geissel*

11:00 to 11:30 am: Implosion instability initiation, growth and mitigation, *Thomas Awe*

11:30 am to noon: Hybrid Pic Modeling of driver-target coupling and implosion physics, *Dale Welch*

Noon to 1:15 pm: Lunch

1:15 pm to end of day: **Astrophysics Plenary Session**, organized by *Don Winget and Jim Bailey*

Session Details:

1:15 to 2:15 pm: Stellar Atmospheres, *Ivan Hubeny*

2:15 to 2:45 pm: Stellar Interior Opacity Measurements, *Jim Bailey*

2:45 to 3:05 pm: Opacity Calculations, *Anil Pradhan and Sultana Nahar*

3:05 to 3:30 pm: Break

3:30 to 4:10 pm: Creating and Measuring White Dwarf Photospheres in a Terrestrial Laboratory, *Ross Falcon*

4:10 to 4:50 pm: Radiative Properties of Photoionized Plasmas, *Guillaume Loisel*

4:50 to 5:20 pm: Magnetized Shocks & Magnetized Plasmas, *Guy Burdiak and Sergey Lebedev*

1:15 pm to end of day (Parallel session) – **MagLIF target preconditioning experiments** organized by *Kyle Peterson*

Wednesday July 22

8:30 am to noon: Breakout sessions

- Astrophysics
- Planetary and Materials Science
- MagLIF: b) stagnation and burn measurements organized by *Greg Rochau*; c) Implosion instabilities organized by *Ryan McBride*

1:15 to 3:00 pm: Breakout sessions report to workshop

1:15 to 2:00 pm: MagLIF

2:00 to 2:45 pm: Planetary and Materials Science

2:45 to 3:30 pm: Astrophysics

3:30 pm: End of meeting

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