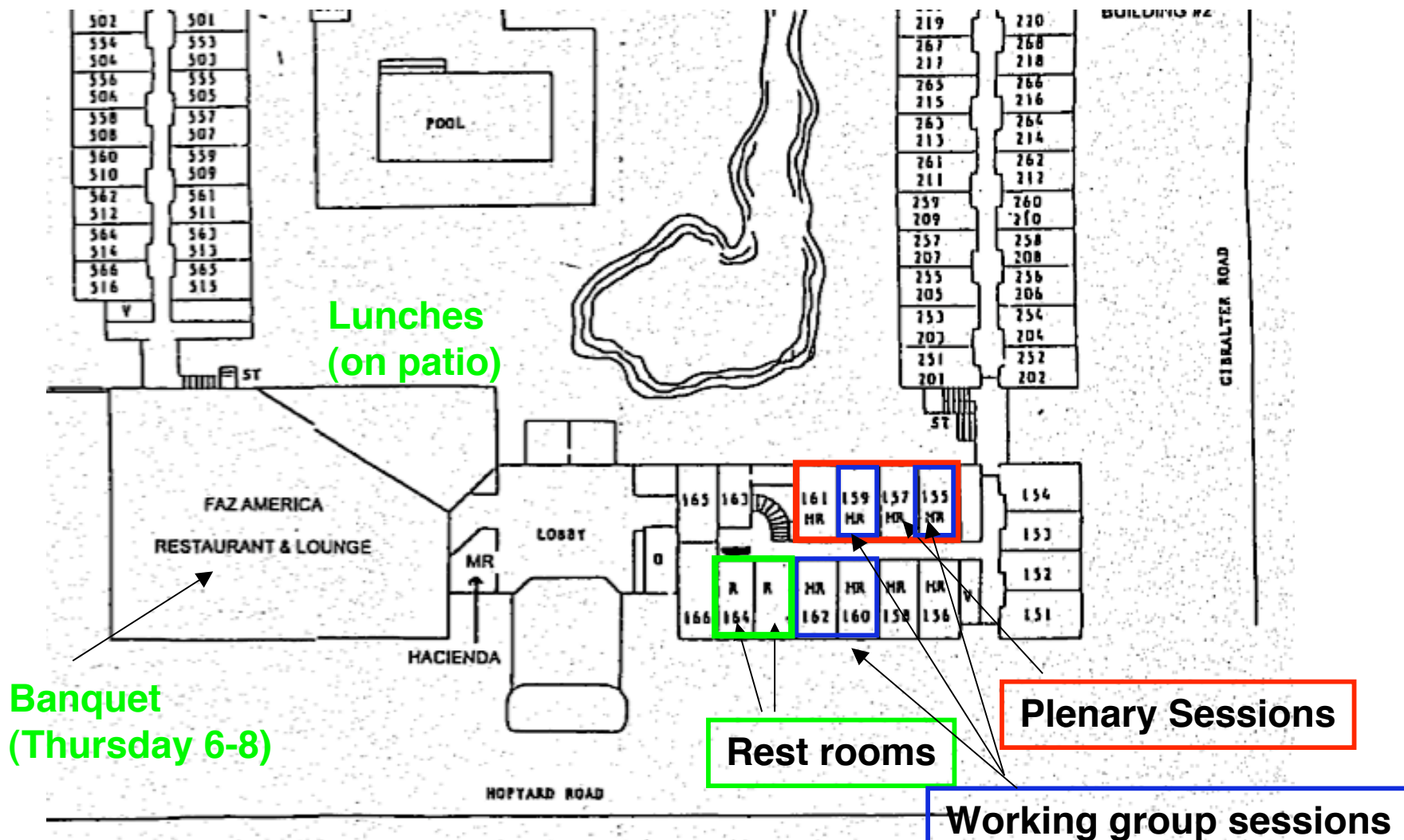


Welcome

Workshop on Accelerator-Driven Warm Dense Matter Physics

February 22-24, 2006
Four Points Sheraton Hotel
Pleasanton, CA

Logistics



Agenda -- Today, Wednesday

8:00 Registration and continental Breakfast

8:45 Welcome/Logistics -- John Barnard

9:00 Open Questions on WDM: Richard More

9:45 Target experiments on NDCX -- Frank Bieniosek

10:20 Coffee break

10:30 WDM physics at GSI -- Naeem Tahir

11:05 Hydrodynamic Expansion Experiments on ETAll -- Gary Guethlein

11:40 WDM on LCLS -- Dick Lee

12:15 Lunch

1:15 QMD simulations of WDM in support of HEDP experiments on the Z machine -- Michael Desjarlais

1:40 WDM Science Using Lasers -- Hitoki Yoneda

2:15 Liquid Metals and the relation to Warm Dense Matter - Friedrich Hensel

2:50 Coffee break

3:00 Thermodynamic Properties of Warm Dense Matter -- David Young

3:35 Laser Experiments on Warm Dense Matter -- Andrew Ng

4:10 Working group organization

Tomorrow, Thursday

8:30 Continental Breakfast

Plenary session (9 - 11:30)

**9:00 Progress of Heavy Ion Fusion Science towards Warm Dense Matter
Physics -- Grant Logan**

**9:35 Determining dE/dx in Warm Dense Matter using Non-Equilibrium
Molecular Dynamics -- Michael Murillo**

10:10 Coffee Break

**10:20 - 11:30 Panel Discussion on Computer Codes -- Methods and needs
Moderator: Jonathan Wurtele; Panelists: David Bailey, Phil Colella,
Marty Marinak, Richard More, Peter Stoltz, Robert Tipton, Dale Welch**

11:30 Lunch

12:30 - 5:00 Working groups

6:00 - 8:00 Banquet at Faz (attached to hotel)

Friday (half-day)

All talks are plenary

8:30 Continental breakfast

9:00 Report on drivers and experiments working group

9:40 Report on science and applications working group

10:20 Coffee break

10:30 Report on computer codes working group

11:10 Report on diagnostics working group

11:50 Lunch

12:50 - 1:50 General discussion

This workshop draws together a diverse group of people

Internationally: Germany, Japan, USA

US Laboratories: LBNL, LLNL, PPPL, SNL, LANL, SLAC

Private corporations: Tech-X, SAIC, Voss Scientific

Universities: Berkeley, Princeton, Phillips Univ. Marburg, UEC, WSU

Many disciplines:

Accelerator physics

Laser physics

Pulse power

Equation of state

Ion stopping

Liquid metals

Radiative hydrodynamics

Target physics

Computational physics

.....

The registration list included with handouts includes email addresses of the participants

Banquet will be at Faz Restaurant (in the Hotel) on Thursday evening 6 - 8 pm



**For other dinners: see restaurant list in handouts
A number of restaurants are within walking distance of hotel**

Working groups

1. Drivers/ Experiments (Andrew Ng, John Barnard, chairs)
2. Science and Applications (Dick Lee, chair)
3. Computer Codes (Alex Friedman, chair)
4. Diagnostics (Frank Bieniosek, chair)

Finally a word from your sponsors...



<http://hif.lbl.gov/>

Grant Logan, Director, bglogan@lbl.gov



<http://ilsa.llnl.gov/>

Don Correll, Director, correll1@llnl.gov

The Heavy Ion Fusion Virtual National Laboratory

