

**Ninth US -Japan Workshop
on
Heavy Ion Fusion and High Energy Density Physics**

Monday, 18 December 2006

Bldg. 47 Conference Room

Lawrence Berkeley National Laboratory

Berkeley, CA USA

8:30 - 9:00 Coffee and Danishes

Session 1 -- J. Barnard, chair

9:00 - 9:05 J. Barnard Agenda/Workshop Logistics

9:05 - 9:35 M. Ogawa Perspectives on Japanese HIF/HEDP program

9:35 - 10:05 R. Davidson: Overview of U. S. Heavy Ion Fusion Science program

10:05 - 10:35 K. Horioka: High Energy Density Experiments in Japan

10:35 - 10:45 Coffee Break

Session 2 -- S. Kawata, chair

10:45 - 11:15 K. Takayama: Induction synchrotron research at KEK

11:15 - 11:40 P. Seidl: NDCX experiments at LBNL

11:40 - 12:05 A. Molvik: HCX experiments at LBNL

12:15 - 13:45 Lunch at LBNL cafeteria (LBNL HIF Holiday Party)

13:45 - 15:15 Tour of LBNL experiments

15:15 - 15:30 Coffee break

Session 3 -- M. Ogawa, chair

15:30 - 16:00 I. Kaganovich: Neutralization physics of intense, compressed beams

16:00 - 16:30 R. More: Science of Warm Dense Matter

16:30 - 17:00 Individual discussion

18:00 - 20:00 Working Dinner at Liaisons Bistro, 1849 Shattuck Ave. (at Hearst)

Tuesday, 19 December 2006

Bldg. 47 Conference Room

Lawrence Berkeley National Laboratory,

Berkeley, CA, USA

8:30 - 9:00 Coffee and Danishes

Session 1: R. Davidson, chair

9:00 - 9:30 G. Logan: Future directions in HIF

9:30 - 10:00 S. Kawata: HIF Direct drive targets/Rayleigh Taylor instabilities

10:00 - 10:30 J. Barnard: Hydrodynamic simulations using HYDRA

10:30 - 10:50 Discussion: Unique ion beam driven hydro phenomena -- the group

10:50 - 11:05 Coffee break

Session 2: K. Horioka, chair

11:05 - 11:35 F. Bieniosek: WDM experiments at LBNL and GSI

11:35 - 12:05 H. Yoneda: Laser and Ion experiments for WDM at UEC and LBNL

12:05 - 13:30 Working Lunch to discuss topics in AM session

Session 2 -- continued, K. Horioka, chair

13:30 - 14:00 J. Hasegawa: WDM experiments at TIT (I)
14:00 - 14:30 Y. Oguri: WDM experiments at TIT (II)
14:30- 15:00 P. Ni WDM experiments at GSI
15:00 - 15:15 Coffee Break
Session 3: G. Logan, chair
15:15 - 16:00 Discussion: Opportunities for future collaborations
16:00 - 17:00 Individual discussions with the staff

Wednesday, 20 December 2006
Lawrence Livermore National Laboratory,
Livermore, CA, USA

8:30 Meet at Shattuck hotel for car pool ride to LLNL
9:30 Badging at LLNL -- Badge office (Westgate)
9:55 Assemble in B543
10:00 Introduction to Fusion Energy Program -- Alex Friedman/ John Barnard
11:00 Tour of NIF
12:00 Lunch at Livermore restaurant
13:00 Begin return to Berkeley
14:00 Arrive at Durant Hotel/ or LBNL for further informal discussions