Japan-US workshop relevant to advanced diagnostics for high energy density plasma

HOSTED BY International Collaboration
for High Energy Density Science (ICHEDS),
JSPS Core-to-Core Program

DATA AND TIME

Friday, November 6

LOCATION

University Room, Hyatt Regency, Aatlanta, GA, USA

PROGRAM

Chaired by K.A. Tanaka

8:00	Welcome, goals of the workshop (Prof. Farhat Beg, UCSD)
8:15	Measurement of fast electrons inside the dielectric material via Cherenkov radiation (Prof. Hideaki Habara, Osaka Univ.)
8:45	Advanced X-ray detector (TBD) (Dr. Richerd Stephens, General Atomics)
9:15	Proton Radiography (TBD) (Prof. Ryosuke Kodama, Osaka Univ.)
9:45	Break
10:00	Integrated Fast-Ignition Experiments on OMEGA (Prof W. Theobald, U. Rochester)
10:30	Off-Hugoniot measurements for alpha-quartz (Dr. Norimasa Ozaki, Osaka Univ.)
11:00	Ion beam generation experiments (TBD) (Prof. Antony Maksimchuk, U. Michigan)
11:30	Initial Results from the OMEGA EP Laser System (Prof. David Mayerhofer, U. Rochester)
12:00	Break for lunch

Chaired by F. Beg

14:00	Fast electron generation and transport in cone-attached wire targets irradiated by 800 J, 10 ps OMEGA EP laser pulses (Dr. Toshinori Yabuuchi, UCSD)
14:30	Study of fast electron transport in warm dense plasma targets (Dr. M.S. Wei, UCSD)
15:00	Magnetic Field Measurement in Laser-Plasma Interaction via Relativistic Electron Deflectometry (Mr. Nobuhiko Nakanii, Osaka Univ.)
15:30	Fast electron transport in shock-wave heated planar Au targets (Dr. Hiroshi Sawada, UCSD)
16:00	Summary (Prof. Kazuo A. Tanaka, Osaka Univ.)