

US-Japan workshop on IEC
October 9-10, 2002
University of Wisconsin
Madison, USA

Overview of Japanese IEC Research Program

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1. Kyoto University (K. Yoshikawa, Y. Yamamoto)
IEC with magnetron discharge
Potential measurement by LIF method

Cylindrical hollow cathode IEC device
PIC numerical simulation
2. Tokyo Institute of Technology (E. Hotta)
Pulse operation of IEC
Cylindrical cathode IEC device
3. Kansai University (M. Ohnishi)
IEC with various spherical cathode structure
3-D particle simulation
4. Hitachi, Ltd. (K. Takeuchi)
IEC with separate ion production region
5. Kyushu University (H. Matsuura)
Theoretical study of electrostatic potential structure