

## **ICOPS Session on Intense Beams**

Western MURI Consortium on High Energy Microwave Sources

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The FY94 DDR&E sponsored MURI topic solicitation was aimed at supporting basic research aimed at addressing critical, fundamental research issues in support of DoD high energy microwave source needs for communication, radar, electronic warfare, and high energy microwave weapons. The Western MURI Consortium on High Energy Microwave Sources is one of three consortia formed in response to this solicitation. The participating institutions are the University of California, Davis (Lead Institution), Stanford University, Northrop Grumman Corporation, UCLA, and UC Berkeley.

This talk will review noteworthy achievements from this program including novel cathodes, W-Band "klystrinos", large orbit gyro-devices, fundamental studies of high gradient rf breakdown, chirped pulse millimeter wave FELs, multiple beam klystrons, and computational modelling.

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