TOKAMAK EXPERIMENTS SUMMARY

CDX-U with TiC plates and Li-limiter experiments, **LTX** to have Li-coated wall, **NSTX** boronized carbon tiles with plans for Li, **C-Mod** with boronized Mo tiles wall…looking into the possibility of shaking in boron particles during plasma operation and **DIII-D** with boronized carbon tiles.

Lipshultz from C-Mod reported Mo erosion, D retention studies, spherical Mo dust and the melting of Mo tile. They are considering the use of W-brush tiles.

Whyte reported surface analysis of C-Mod tiles and found essentially the same erosion and deposition distribution as low-Z machines and a mixed material profile of B and Mo different from C machines.

Kaita reported on the improved physics and operational experience from the Li-tray and the status of LTX, which is scheduled to operate in 2006.

Kugel reported on NSTX edge physics planning, Li pellet injection results and the development of a Li evaporator system.

Allen summarized the DIII-D research theme on particle transport and presented details on the C-13 experiment, only ~70% of C-13 is accounted for.

Wong summarized the active and planned PFC activities from DiMES and DIII-D. Four dedicated experiments including metallic mirror exposure were proposed for 2005.

Rudakov presented details on the two DiMES gap experiments. They will try to figure out why higher temperature at 200 C would enhance carbon erosion.