Summary of Plasma-Edge/PMI modeling presentations (Session 3)

- Z. Insepov: MD He+ sputtering on lithium from 50 K to 700 K
 - Sputtering of He+ from 10-1000 eV shows BSY model lower bound
 - Temperature enhancement in PISCES, UIUC not in simple model
 - He bubble formation/eruption may explain temp. enhancement; MD sample size must be large enough; surface pre-heating may be key
- L. Zepeda: MD carbon sputtering and plasma modeling
 - Amorphous C-H MD samples prepared via melting/quenching
 - ARIEBO/REBO simulations compare well with Mech '98, E > 100 eV;
 Yield lower than Mech for E < 100 eV; need long-time effects
 - DIIID-D edge modeling sensitive to factors ~2 variation in C yield
- T. Evans: Kinetic ion impurity modeling with MCI
 - Improved mesh for edge region (pedestal, SOL, divertor)
 - Lastest Li and Be (for ITER) rates from ADAS important at low T_e
 - DIII-D edge modeling for DiMES plasma shows strong sensitivity of carbon to background plasma model