

1:30-1:55 (25 min) Cho Ng - Status and Plans for ComPASS in Large-scale Finite-Element Electromagnetics

1:55 – 2:20 (25 min) Travis Austin - Dey-Mittra ADI: An absolutely stable method for Maxwell's equations with embedded boundaries

2:20 – 2:50 (30 min) Rich Lee - Computational Science R&D for Electromagnetic Computing: Recent Advances and towards Extreme-Scale

Presented on Monday (15 min) Ichitaro Yamazaki - Current status of the parallel hybrid linear solver for EM simulations

2:50 – 3:15 (25 min) Peter Stoltz - Recent physics results: Crab cavity calculations for ILC, and Computations of Q variation with Power Couplers for the Cornell B-cell cavity

3:15 – 3:35 (20 min) Mark Shephard - High-Order Mesh Adaptation Tools for Parallel Simulations

3:35 – 3:50 (15 min) Break

3:50 – 4:10 (20 min) Haipeng Wang - How can ComPASS EM codes solve the SRF problems at JLab?

4:10 – 4:35 (25 min) David Smithe - Rapid prediction of long range wakefields for beam impedance and power loading in complex accelerator structures

4:35 – 5:00 (25 min) Greg Schussman - Visualizing Fields and Particles in Complex Geometries Using ParaView

5:00 – 5:25 (25 min) Peter Messmer - GPU EM computations for cavities and Messaging improvements for EM

5:25-5:30 (5 min) Cho Ng - Report on CW09 Code Workshop at SLAC