SciDAC ISEP Project Meeting at UCI
September 26 - 27, 2017

DAY 1 Tuesday, 9/26	NS2 2201	ISEP Project Meeting
8:30-9:00	Project Overview	Lin (15min): 5-year plan Discussions (15min)
9:00-10:00	**Task 1**: Physics Simulation	Spong (15min): long time simulation Discussions (15min) Lin (15min): multi-physics simulation Discussions (15min)
10:00-10:30	**Coffee Break**	
10:30-11:15	**Task 3**: Reduced Transport Model	Waltz (15min): CGM Gorelenkov (15min): RBQ Discussions (15min)
11:15-12:00	**Task 4**: V & V	Spong (15min): verification Heidbrink (15min): validation Discussions (15min)
12:00-12:30	**Task 2**: ISEP framework development	Shi (10min): GTC development P. Wang (10min): CAAR GTC GPU optimization Discussions (10min)
12:30-14:00	**Working Lunch: HPC**	Klasky (20min): SciDAC Institute RAPIDS Discussions (5min) Falgout (20min): SciDAC Institute FASTMath Discussions (5min) T. Williams (10min): Path to Exascale Discussions (5min)
14:00-14:40	**Task 7**: Optimization & portability	S. Williams (15min): optimization W. Tang (15): portability Discussions (10min)
14:40-15:00	**Task 6**: Solvers	Falgout (15min) Discussions (5min)
15:00-15:30	**Task 5**: Workflow and Data	Klasky (15min): Workflow and Data Management Discussions (15min)
15:30-16:00	**Coffee Break**	
16:00-16:30	Project management	Lin (10min): EC Nazikian (10min): PAC Discussions (10min)
		EP workshop
16:30-17:00	Berk	EP issues to ponder on the road to sustained burn
17:00-17:30	Waltz/ Bass	Reduced model for critical gradient EP transport/ Nonlinear validation of a linear critical gradient EP transport model

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DAY 2 Wednesday, 9/27	FRH 4135	EP Workshop
8:30-9:00	Zhang	Nonlinear Dynamics of Fast-electron Driven Beta-induced Alfven eigenmode
9:00-9:30	Porkolab	Alfven eigenmode in JET
9:30-10:00	Heidbrink	Validation
10:00-10:30	**Coffee Break**	
10:30-11:00	Gorelenkov	Resonance line broadened quasilinear (RBQ) approach for fast ion Alfvénic relaxations
11:00-11:30	Spong	Development of nonlinear gyrofluid/gyrokinetic models for energetic particle instabilities
11:30-12:00	Varela	Energetic particle driven instabilities in magnetic fusion devices