

CSAM-15 Programme

	Monday	Tuesday	Wednesday	Thursday	Friday
	Bus transfer to FZJ 08:15	Bus transfer to FZJ 08:30	Bus transfer to FZJ 08:30	Bus transfer to FZJ 08:30	Bus transfer to FZJ 08:30
09:00	Registration & Welcome <i>Paul Gibbon</i>	Space weather applications using MHD <i>Stefaan Poedts</i>	Cosmological hydrodynamics and the GIZMO implementation <i>Tom Theuns</i>	Introduction to iPIC3D the implicit moment method <i>Giovanni Lapenta</i>	Feedback Session: Reports by participants on hands-on experiments
09:30	Introduction to MPI-AMRVAC <i>Rony Keppens</i>				
10:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
10:45	Using MPI-AMRVAC for solar coronal modelling <i>Chun Xia</i>	Particle tracing and acceleration in MHD evolution <i>Oliver Porth</i>	Swift's fast-multipole gravity implementation <i>Matthieu Schaller</i>	Multi-scale simulations the MLMD methodology <i>Maria-Elena Innocenti</i>	Closing Lecture: Supercomputing at JSC <i>Paul Gibbon</i>
12:00	Lunch break	Lunch break	Lunch break	Lunch break	
13:45	Hands-On Session I: MPI-AMRVAC test suite	Hands-On Session III: Field extrapolations from solar magnetograms	Hands-On Session V: Experiments with SWIFT - benchmark tests	Hands-On Session VII: iPIC3D - fully kinetic modelling of magnetic reconnection	Closing Remarks Bus transfer to Düren 12:30
15:30	Coffee break	Coffee break	Coffee break	Coffee break	
15:45	Hands-On Session II: Rayleigh-Taylor dynamics in solar prominences	Hands-On Session IV: Reconnection dynamics in continuum descriptions	Hands-On Session VI: Timing and scaling of SWIFT hybrid parallelism strategy	Hands-On Session VIII: iPIC3D continued	
17:30		Selected highlights from CHARM research <i>Rony Keppens</i>			
18:30	Get-together	Bus transfer to Jülich 18:30	Evening Lecture <i>Joachim Saur, U. Köln</i>	Bus transfer to Jülich 18:00	
20:00	Bus transfer to Jülich 19:45		Bus transfer 19:45		
22:00			Workshop Dinner at Burg Obbendorf		
			Bus transfer to Jülich 22:00		