

Time	Monday, 14/11	Tuesday, 15/11		Wednesday, 16/11		Thursday, 17/11		Friday, 18/11
		Room HL 414		Room HL 414		Room HL 414		Room HL 414
9:00 - 9:30		Registration / Welcome						
9:30 - 9:50		Welcome + Week Objectives [Matthieu Schaller]				Dinner recovery time		
9:50 - 10:10		The swift-emulator: Making it easy to emulate SWIFT [Roi Kugel]		Implementation of a more modern flavour of SPH (MAGMA2) [Zhen Xiang]		A comparison between two AGN feedback modes: isotropic thermal vs. kinetic jets [Filip Husko]		Discussion + Work in groups
10:10 - 10:30		A Jeans criterion for softened gravity [Sylvia Ploeckinger]		A new method for improving mixing in SPH, applied to planetary giant impacts onto Jupiter [Tom Sandnes]		Implementing energy and momentum conserving supernova feedback in SWIFT [Evgenii Chaikin]		
10:30 - 10:50		The Kennicutt-Schmidt relations and the impact of galaxy morphology [Folkert Nobels]		Cloud-wind interactions [Joey Braspenning]		A SWIFT-inspired SPH implementation with a C++ extension for HPC [Cristian Barrera-Hinojosa]		
10:50 - 11:20		Coffee break		Coffee break		Coffee break		
11:20 - 11:40		Zoom Simulations in SWIFT [Will Roper]		Introduction to SpecWizard [Andres Aramburo]		Preparing SWIFT for Heterogeneous Exascale Computing [Abouzied Nasar]		Discussion + Work in groups
11:40 - 12:00		Zoom Simulations in SWIFT [Jemima Briggs]		Moving mesh hydrodynamics with SWIFT [Yolan Uyttenhove]		Spurious collisional heating in cosmological simulations of galaxy formation [Aaron Ludlow]		
12:00 - 12:20		Smoothed Particle Radiation Hydrodynamics in SWIFT and recent developments [TK Chan]		Neutrino simulations for precision cosmology [Willem Elbers]		Challenges in reproducing UFDs in a LCDM: why sink particles are needed [Yves Revaz]		
12:20 - 12:40		Radiative Transfer with SWIFT [Mladen Ivkovic]		MHD implementation on top of SPH [Orestis Karapiperis]		Correcting for unresolved dynamical friction in SWIFT [Zorrry Belcheva]		
12:40 - 13:30	Room HL 111	Lunch break		Lunch break		Lunch break		
13:30 - 14:00	Introduction to SPH [Josh Borrow]	Room HL 414		Room HL 414		Room HL 414		
14:00 - 15:00		An SPH-inspired implementation of Self-interacting dark matter [Camila Correa]		An overview of the numerical and computational challenges of SPH for engineering applications [Abouzied Nasar]		Reproducibility, workflows & automation [Bert Vandenbroucke]		
15:00 - 15:30	Coffee break	Coffee break		Coffee break		Coffee break		
15:30 - 16:00	Room HL 111	Room HL 414	Room HL 422	Room HL 414	Room HL 422	Room HL 414	Room HL 422	
16:00 - 16:30	Hands-on SWIFT session	Discussion + work in groups	Discussion + work in groups	Discussion + work in groups	Discussion + work in groups	Discussion + work in groups	Discussion + work in groups	
16:30 - 17:00		Topic: Zoom sims	Topic: RT	Topic: i/o & analysis	Topic: Gizmo + MM	Topic: Convergence	Topic: SPMHD	
17:00 - 17:30								
17:30 - 19:00				Dinner @ Pakhuis				

colour legend
Invited talk - 45 min
Discussion or seminar session
Lunch or coffee break
Talk 20 min - recommended 15 + 5