Time	Monday, July 15	Tuesday, July 16	Wednesday, July 17
9:30-10:15	**9:15 arrival**, 9:30-10:00: Welcome, introduction to the school concept, logistics, people (Sera, Nicole, Daniela etc),	Inventory of Compact Objects (Enrico)	How an accretion disk forms, OoM (Andrew)
10:15-11:00	Start 10:00: Introduction to computing setup: VM and Cartesius, get everyone on the environment (Sera/Nicole/Daniela) Screen reader support enabled.	Estimating key timescales in astrophysical scenarios (Nicole)	Associated work problem: set up and solve steady state black body circular disk (Andrew).
11:00-11:30	Coffee Break		
11:30-12:15	Energy Scales and Compact Objects (Enrico)	Short primer on fluid dynamics (Sebastian/Smadar)	Associated work problem: set up and solve steady state black body circular disk.
12:15-13:00	Conservation Laws Using Stars (Andrew)	Interactive/problem solving for Fluid dynamics (Smadar/Sebastian)	OoM shocks and particle acceleration (Irene)
13:00-14:45	Lunch		
14:45-16:45	Introduction to Data Visualization (Daniela)	Radiative Processes I: Bremsstrahlung & Synchrotron (Sera)	Radiative processes: IC Lecture + MC problem (Sebastian)
16:45-17:15	Coffee break		
17:15-18:45	17:15-18:30: Networking, upmentoring, and building your support systems, Community Building (coordinated by Daniela)	Diversity session I w/ Sherard & Stephanie	Version control w/GIT (Daniela)
evening program?	**18:30 onwards:** Welcome reception with food, maybe some additional icebreakers		

Time	Thursday, July 18	Friday, July 19	Saturday, July 20
9:30-10:15	Jet power and acceleration (Sasha)	Orbits + Hill/tidal/Lagrange L1 (Smadar)	
10:15-11:00	Jet power and acceleration (Oliver)	Orbits + Hill/tidal/Lagrange L1 (Smadar)	**Start at 10:00:** Diversity session III w/ Sherard & Stephanie
11:00-11:30			
11:30-12:15	Diversity session II w/ Sherard & Stephanie	Associated work problem from Smadar's lectures	
12:15-13:00		Classical accretion solutions: Bondi and Bondi-Hoyle-Lyttleton (Oliver)	
13:00-14:45			lunch from cantine: LOC needs to pick up food and bring up!
14:45-16:45	Compiling, running HARMPI, and visualizing the results (Sasha)	Low angular momentum accretion (adapted to use HARMPI, Oliver/Sasha), maybe working in some of the relativistic Bondi accretion in Schwarzschild ideas?	Continue low angular momentum HARMPI problem, setup some problems (pre-cooked to some extent, tailored to different levels?) to run over weekend?
16:45-17:15			
17:15-18:45	Setting up new problems in HARMPI (Sasha)	High Energy Neutrino Astronomy (Irene)	
evening program?	How to write effective research proposal and paper (Coordinated by Irene), with food		Social Dinner

Time	Sunday, July 21	Monday July 22	Tuesday July 23
9:30-10:15	Social outing: ESTEC + Space Expo + maybe beach	Introduction to Bayesian Statistics (Daniela)	OoM estimating plasma and fluid parameters (Nicole)
10:15-11:00			
11:00-11:30			
11:30-12:15		Nonlinear ODEs: wind equation (Chiara)	Derive M-sigma relation (OoM; Andrew)
12:15-13:00			
13:00-14:45			
14:45-16:45		14:45-16:15: Analyze/plot/visualize results of weekend HARMPI projects (Jason) 16:15-16:45: Begin Tutorial/work example (Chiara) on using Multinest, maybe also working in relativistic Bondi accretion ideas from Oliver (though he won't be here)	**14:45-16:15** Dra Nicole workshop II on workflow **16:15-16:30** short coffee break with snacks
16:45-17:15			**16:30-19:30** Workshop: How to give a good talk (Karin Herrebout & Mariël Vaartjes, 2 groups)
17:15-18:45		Finish: Tutorial/work example (Chiara) on using Multinest, maybe also working in relativistic Bondi accretion ideas from Oliver (though he won't be here)	
evening program?		Dra Nicole workshop I, on Self-Care, with some kind of food?	

Time	Wednesday July 24	Thursday July 25	Friday July 26
9:30-10:15	Intro to Machine Learning (Camille)	MHD turbulence, viscosity, vorticity (Blakesley)	OoM: BNS mergers and/or blast waves (Enrico)
10:15-11:00			
11:00-11:30			
11:30-12:15	Machine Learning extension	HARMPI study of low-luminosity accretion & radiation processes (Jason/Jane)	Unstructured time to finish projects, ask questions
12:15-13:00			
13:00-14:45			
14:45-16:45	Disk-jet connection: Jane	Intro to MWL SED fitting and (precooked) Isis tutorial (Sera)	Discussion, reflection, feedback, how to move forward and community build?
16:45-17:15			
17:15-18:45	General Relativistic Ray-tracing / Solving PDEs with Runge-Kutta method (Jane)	**17:15-18:00:** Finish HARMPI study of Low luminosity accretion, radiation processes (Jason/Jane) **18:00-18:45** Finish MWL modeling (Sera)	Closing borrel
evening program?	18:45-19:15: Quick intro to Einstein toolkit and demo/showcase (Philipp via Zoom)		