Scientific Program

31/08/2025 (Sunday)

19:00-21:30 Welcome Buffet

01/09/2025 (Monday)

0900 – 0930 0930 – 0950	Summary talk – Radiation Transport, <i>Stuart Sim</i> Progress Report 1 – <i>New synthetic observables from range of</i>			
dynamical ejecta models, Christine Collins				
0950 – 1010	Progress Report 2 – Light-travel time effects / Reverberation in			
KNe, Fiona McNeill				
1010 – 1030	Progress Report 3 – Impact of improved atomic models for			
heavy elements on	spectral modelling, Andreas Floers			
1130 – 1150	Progress Report 4 – Strontium and Helium in NLTE, Aayush			
Arya				
1150 – 1200	Flash Talk 1 – Update on ARTIS models / comments on			
implications for what is needed from hydro models, Luke Shingles				
1200 – 1210	Flash Talk 2 – Efficient light curve fitting with Artis, Rasmus			
Damgaard				
1210 - 1220 	Flash Talk 3 <i>MetalAl progress, Rasmus/Moust</i>			
1220 – 1230	Q/A?			
1400 – 1500	WS-1a. :- Atomic Theory & Radiation Transport			
	WS-1b. :- Observation & Experiment			
1600 – 1700	WS-2a. :- Radiation Transport & Merger Simulation			
	WS-2b. :- Observation & Atomic Theory			
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1700 – 1730	Summary WS-1a,1b, 2a, 2b.			
1400 – 1500 1600 – 1700	WS-1a.: – Atomic Theory & Radiation Transport WS-1b.: – Observation & Experiment WS-2a.: – Radiation Transport & Merger Simulation WS-2b.: – Observation & Atomic Theory			

02/09/2025 (Tuesday)

0900 - 0930	Summary talk – Merger Simulations, Andreas Bauswein	
0930 - 0950	Progress Report 1 – Progress on hydro modelling, Oliver Just	
0950 – 1010	Progress Report 2 – Patterns and conditions of r-process	
nucleosynthesis, Zewei Xiong		
1010 – 1030	Progress Report 3 – Emission line shapes expected from hydro	
models, Stuart Sim		

1130 – 1140	Flash Talk 1 – Grey M1 <i>neutrino transport in AREPO, Aristeidis</i>			
Nikolaidis				
1140 – 1150	Flash Talk 2 – General Relativistic Hydrodynamics in			
AENUS-ALCAR, Chun-Ming Yip				
1150 – 1200	Flash Talk 3 – Remnant Lifetime Predictions from the			
Post-Merger Gravitational Wave Signal, Marcel Humbert				
1200 – 1210	Flash Talk 4 – Molecules, Gamma spectra, Th /U isomeric,			
Gabriel Martinez-Pinedo				
1210 – 1220	Flash Talk 5 – <i>Hyperons, Andreas Bauswein (or as progress re)</i>			
1220 – 1230				
1400 – 1500	WS-1a. :- Atomic Theory & Merger Simulation			
	WS-1b. :- Radiation Transport & Experiment			
1600 – 1700	WS-2a. :- Merger Simulation & Experiment			
	WS-2b. :- Radiation Transport & Observation			
1700 – 1730	Summary WS-1a,1b, 2a, 2b.			

03/09/2025 (Wednesday)

0900 - 0930 0930 - 0950	Summary talk – <i>Atomic Calculations</i> , <i>Cathy Ramsbottom</i> Progress Report 1 – <i>New atomic data and collisional radiative</i>		
modelling for Se III and Ce III, Leo Mulholland			
0950 – 1010	Progress Report 2 – An update on radiative and dielectric		
recombination rates, Connor Ballance			
1010 – 1030	Progress Report 3 - Photoionisation cross section of Sr and Pb		
across multiple charge states, David Dougan			
1130 – 1140	Flash Talk 1 – A speed up using a distorted wave with		
resonances methodology, Leo Mulholland			
1140 – 1150	Flash Talk 2 – Structure models for Nd - Michael McCann		
1150 – 1200	Flash Talk 3 – Electron-impact ionisation of Carbon using		
DRMPS - David Dougan			
1200 – 1210	Flash Talk 4 - Effect of electron excitation on lanthanides		
emission spectra - Andreas Floers			
1210 – 1220	Flash Talk 5 – Future code developments - Connor Ballance		
1220 – 1230	Flash Talk 6 – Potential Fano resonances in gold laser produced		
plasmas, David Mckeagney			

04/09/2025 (Thursday)

0900 – 0930 0930 – 0950 <i>Sneppen</i>	Summary talk – Observation , <i>Darach Watson</i> Progress Report 1 – <i>The overseen lines on AT2017gfo, Albert</i>		
0950 – 1000	Flash Talk 1 – a new kilonovae?, Danielle bjørn		
1000 – 1030	Summary talk – Experiments, <i>Padraig Dunne</i>		
1130 – 1150 approach?, Lynda I	Progress Report 1 – <i>Identifying Atomic Data: what is the 'best'</i> Hutchson		
1150 – 1200	Flash Talk 1 – <i>Updates on Dual-Comb Spectroscopy &</i>		
Measurement of Oscillator Strengths, Hope Dannar			
1200 – 1210	Flash Talk 2 – <i>An update on the identification and spectroscopic</i>		
analysis of Zr and Y, Kirsten Dowd			
1210 – 1220 <i>Juarez</i>	Flash Talk 3 – <i>Update on MIR experiments, Lucero Segura</i>		
1220 – 1230	Flash Talk 4 – Searching for a continuum source for achieving		
absorption spectroscopy, Marym Alenazi			
1400 – 1500	WS-1a.:- Atomic Theory & Experiment		
	WS-1b.:– Merger Simulation & Observation		
1600 – 1700	WS-2:- All nodes		
1700 – 1730	Summary WS-1a,1b, 2a, 2b.		

05/09/2025 (Friday)

0900 – 1030	WS1:– All nodes
1130 – 1230	WS2:- All nodes