



# Towards exascale-ready astrophysics

## Thursday, 26 September 2024

### Session 3.2: Exascale-ready codes for astrophysical problems: case studies and implementations (09:00 - 10:30)

-Conveners: Susanne Pfalzner

time	[id] title	presenter
09:00	[58] The Idefix code: Looking back at the development of an exascale code, from design to production on pre-exascale clusters	LESUR, Geoffroy
09:30	[41] First experiences at the exascale with Parthenon – a performance portable block-structured adaptive mesh refinement framework	GRETE, Philipp
09:50	[37] ngFEOSAD. Coarray and GPU accelerated radiation hydrodynamics code for studying initial stages of star and planet formation.	VOROBYOV, Eduard
10:10	[42] High performance massively parallel direct N-body simulations on large hybrid CPU/GPU clusters.	BERCIK, Peter