



# Probabilistic sampling for physics: finding needles in a field of high-dimensional haystacks

## jeudi 7 septembre 2023

**Result Communication: - Amphitheatre (11:30 - 12:30)**

time	[id] title	presenter
11:30	[28] Stochastic models form enhanced sampling in Chemistry	HUET, Léon

# vendredi 8 septembre 2023

## Result Communication: - Amphitheatre (10:00 - 11:00)

time	[id] title	presenter
10:00	[23] Discover committor-consistent path by neural networks	CHEN, Haochuan
10:30	[27] Stochastic Interpolants: A unifying framework for flows and diffusions	ALBERGO, Michael

## Result Communication: - Amphitheatre (11:30 - 13:00)

time	[id] title	presenter
11:30	[30] Beyond translational flows in non-reversible sampling	GUYON, Tristan
12:00	[25] Sampling efficiency of transverse forces in dense liquids	GHIMENTI, Federico
12:30	[26] Parallel Replica algorithm for Langevin dynamics and Adaptive Metadynamics	RAMIL, Mouad

# mercredi 13 septembre 2023

## Result Communication: Marija Vulceja - Amphitheatre (10:00 - 11:00)

time	[id]	title	presenter
10:00	[13]	Anomalous thermal relaxations of physical systems	VUCELJA, Marija

# vendredi 15 septembre 2023

## Result Communication: Amphitheatre (10:00 - 11:00)

time	[id] title	presenter
10:00	[43] Cooperative learning: improving inference through sampling with coupled systems	CATANIA , Giovanni
10:30	[44] Anharmonic thermo-elasticity of tungsten from accelerated Bayesian adaptive biasing force calculations with data-driven force fields	ZHONG, Anruo

# lundi 18 septembre 2023

## Result Communication: Amphitheatre (10:00 - 11:00)

time	[id] title	presenter
10:00	[46] Sampling with flows, diffusion and autoregressive neural networks: A spin-glass perspective	GHIO, Davide
10:30	[24] Disentangling representations in RBMs without adversaries	FERNÁNDEZ DE COSSÍO DÍAZ, Jorge

# mercredi 20 septembre 2023

## Result Communication: - Amphitheatre (10:00 - 11:00)

time	[id] title	presenter
10:00	[14] Renormalization Group Approach for Machine Learning Hamiltonian	OZAWA, Misaki
10:30	[31] Sampling with Neural Hamiltonian Flows	SOUVETON, Vincent

# jeudi 21 septembre 2023

## Result Communication: - Amphitheatre (10:00 - 11:00)

time	[id] title	presenter
10:00	[48] Conditioning and variance reduction schemes for more accurate estimation of thermodynamic and transport properties of metal alloys - Manuel Athènes	



# vendredi 22 septembre 2023

## Result Communication: - Amphitheatre (10:00 - 11:00)

time	[id] title	presenter
10:00	[49] Active particle systems through the lens of piecewise deterministic Markov processes	HAHN, Léo
10:30	[50] Splitting schemes for second order approximations of piecewise-deterministic Markov processes	BERTAZZI, Andrea