

Session Program

24-28 May 2027



NOBEL SYMPOSIUM 215 — Beyond Boltzmann: Complexity, Memory, and Non-Additive Entropies

S3 · Many-body systems, turbulence and granular matter

Bäckaskog slott, Conference room
Bäckaskog slott Barumsvägen 255 291 68 Fjälkinge, Sweden

Wednesday 26 May

09:00

S3 · Many-body systems, turbulence and granular matter: Chair: Anastasios Bountis · Rapporteur: Alessandro Pluchino

Session |

Location: Bäckaskog slott, Conference room, Bäckaskog slott Barumsvägen 255 291 68 Fjälkinge, Sweden

09:00–09:30

Superstatistics, intermittency and circulation fluctuations in turbulence

09:30–10:00

q-Gaussian spectral crossovers in correlated systems: glasses and random matrices

Speaker

Abbas Ali Saberi

10:00–10:30

S3 discussion 1

10:30–11:00

Coffee break (S3)

11:00–11:30

Experimental nonextensive scaling in confined granular matter

Speaker

Gaël Combe

11:30–12:00

Long-range Hamiltonian systems: quasi-stationary states and anomalous dynamics

Speaker

Andrea Rapisarda

12:00–12:30

First-principles q-statistics in turbulent plasmas: from kinetic theory to spacecraft verification

Speaker

Peter H. Yoon

12:30–13:00

S3 discussion 2

13:00