

Session Program

24-28 May 2027



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

S5 · Quantum information, black holes and cosmology

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

Thursday 27 May

09:00

S5 · Quantum information, black holes and cosmology: Chair: Bo-Sture Skagerstam · Rapporteur: Ángel Luis Plastino

Session |

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

09:00–09:30

Generalized entropy, gravity and cosmology: consistency and observational tests

Speaker

Petr Jizba

09:30–10:00

Universality classes and thermodynamics of group entropies: extensivity, composability and black holes

Speaker

Henrik J. Jensen

10:00–10:30

Quantum Tsallis and Rényi entropies: continuity, coherence and information constraints

Speaker

Anna Vershynina

10:30–11:00

S5 discussion 1

11:00–11:30

Coffee break (S5)

11:30–12:00

Nonadditive holographic dark energy and current cosmological constraints

12:00–12:30

Holographic Rényi entropies: generalized information measures from black-hole thermodynamics

12:30–13:00

S5 discussion 2

13:00