



Town meeting: heavy ion and QGP physics at CERN

Theory Panel

Moderator: Giuliano Giacalone

Interventions: Govert Hugo Nijs
Salvatore Plumari
Alba Soto Ontoso
Sören Schlichting

All of you

Theory

*the richness of the
LHC programme*

1st principle theory

Lattice
QCD

Finite Temp
Field Theory

AdS/CFT
Plasma physics

Pert. QCD
for Hard probes,
npdfs

Modelling

Initial
Conditions

Kinetic theory
Hydrodynamics

Hadronization
models

HI event
generators

Experimental
Ion Programme

Interplay with/return to
neighboring fields

HEP particle
physics

astrophysics
(e.g. neutron stars)

Thermo-/hydro-dynamics,
out-of-eq dynamics

nuclear
structure