

# GDR-QCD: HIC in the QCD phase diagram



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**Subatech**

## Scientific programme

HIC initial state and (nuclear) parton distribution functions  
Hydrodynamics & QGP  
QGP thermodynamics & Thermal field theory  
Heavy quarks as QGP hard probes  
Jets as QGP hard probes  
Hadrons in medium  
Fluctuations and critical phenomena in the QCD phase diagram  
Compact stars  
From raw data to observables  
From event generators to data comparison