



What are the properties of QGP?

Thermalization?

Can we measure the energy density?

Deconfinement?

What is the temperature?

Do heavy quarks thermalize? What are the transport properties of the medium? What are the transport coefficients?

Do we see evidence of deconfinement/color screening?

Heavy Flavor Correlation

Open heavy flavor

Onium

Charm-charm
Charm-hadron
J/Ψ-hadron

Low-pt: v2

High-pt:
Medium
Modifications

Suppression

Recombination

Low-pt (e.g. balance function)

high-pt (c - cbar jets, gluon jet splitting)