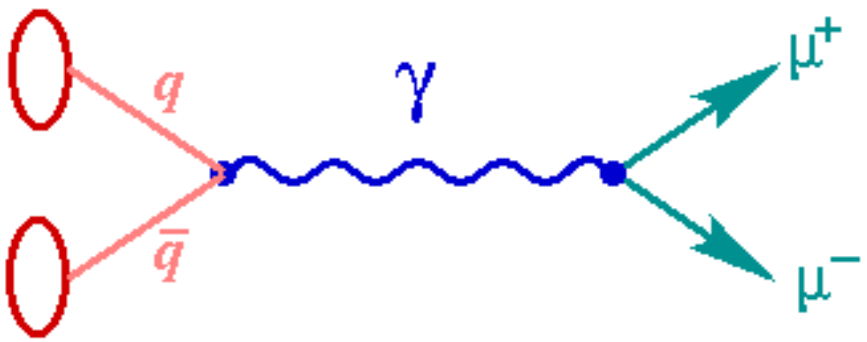
The signatures of the quark-gluon plasma (accessible through the study of muon pairs)

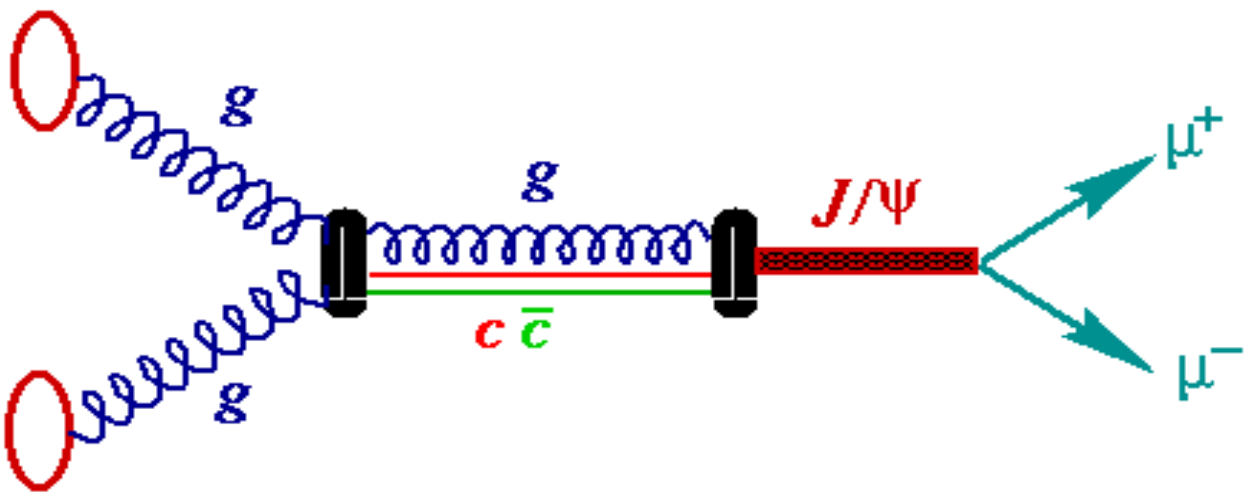
- ***Observation of thermal dimuons***

  with the study of continuum dimuons (Drell-Yan type)



- ***Suppression of the $c\bar{c}$ states***

  with the study of J/ψ and ψ' suppressions



- ***Enhancement of the strange particle production***

  with the study of the ratio ϕ / (ρ+ω)

- ρ ***mass shift***

  Using a silicium pixel silicium detector (to be built)