

QCD Kondo effect in quark matter

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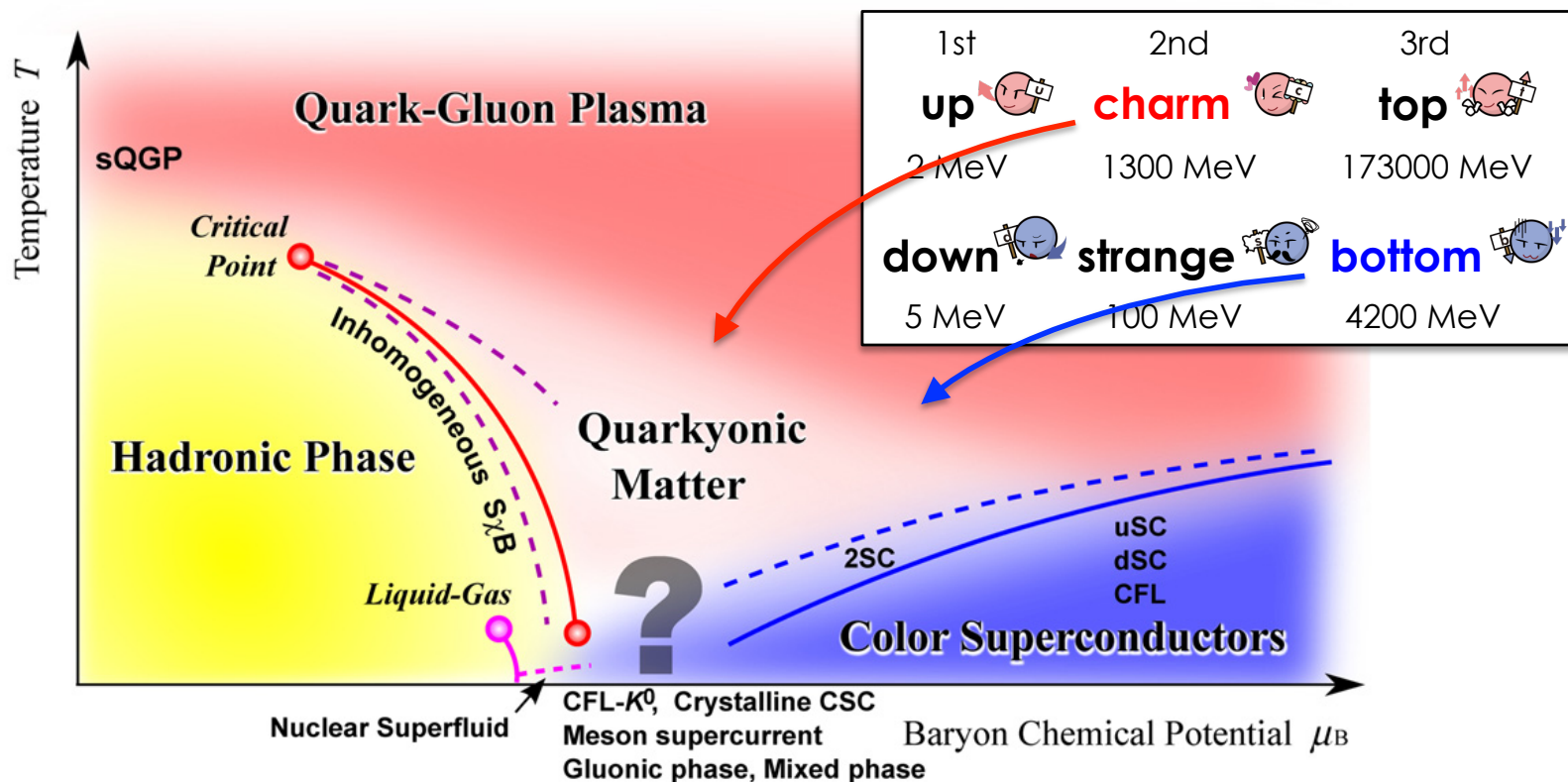
K. Suzuki

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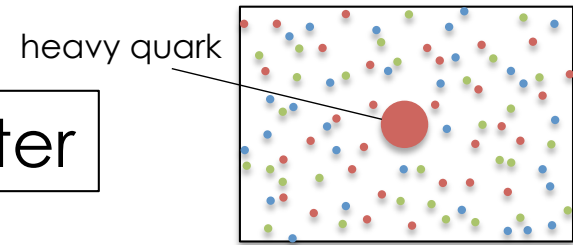
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What is the phase diagram for quark matter with charm and bottom quarks?

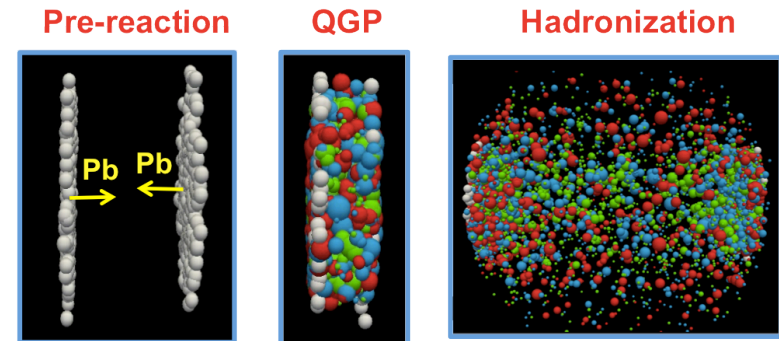


Charm quark in quark matter

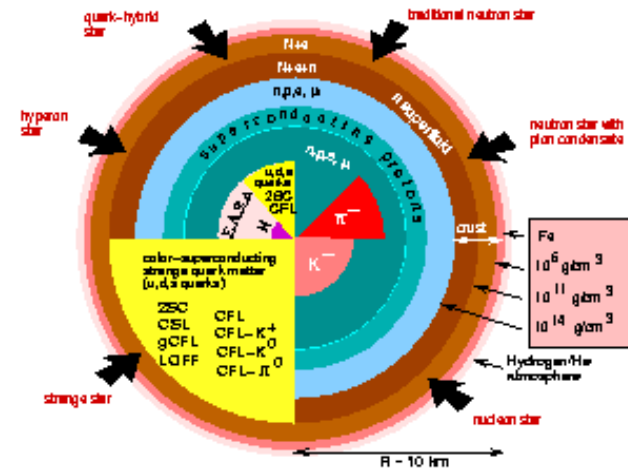


Do charm/bottom quarks exist in quark matter?

① Charm quark production at initial (gluon) hard scatterings in relativistic heavy ion collisions (ex. J-PARC).



② Flavor change (ex. $s \rightarrow c$) by high energy neutrinos in strange quark matter in neutron stars.



“Kondo phase” @T=0

