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Confinement-deconfinement transition in QC_2D at T=0 and large quark density

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Results of the study of the confinement - deconfinement transition in lattice SU(2) QCD at large quark density and zero temperature are presented. At μ_q about 1000 MeV we observe vanishing of the string tension indicating confinement - deconfinement transition. We further present results of the deconfinement phase properties study.

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