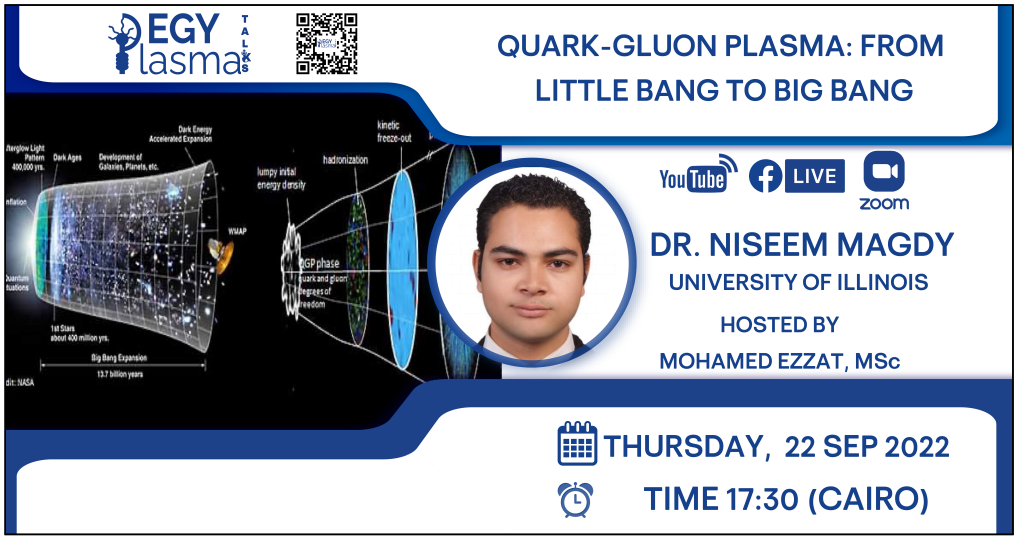
EGYPlasmaTalks



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Title: Quark-gluon plasma: From little bang to Big Bang

Speaker: Dr. Niseem Magdy (Stony Brook University and SUNY)

When: 2022-09-22 17:30:00 - **Hosted by**: Mohamed Ezzat, MSc

Abstract: Modern accelerators such as the Relativistic Heavy Ion Collider and the Large Hadron Collider provide unique testing grounds for Quantum Chromodynamics at high energies. A major part of my research deals with the study of the different phases and properties of high energy-density QCD matter produced in ion-ion collisions at RHIC. A major current focus is centered on mapping the QCD phase diagram, elucidating the transport and anomalous transport properties of the Quark-Gluon Plasma, and tests for chiral symmetry restoration. In this overview talk, I am planning to present an introduction to the Quark-Gluon Plasma physics as well as point out some important insights using my recent experimental results.

Email: info@egyplasma.com - **Website**: egyplasma.com/talks/

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