

Infographic: Rhic cooks up a quantum tempest in a teacup

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When particles collide inside Brookhaven Lab's Relativistic Heavy Ion Collider (RHIC), they melt at trillion-degree temperatures and form a friction-free "perfect" liquid. This quark-gluon plasma, composed of the liberated building blocks of protons, filled the early universe just microseconds after the Big Bang. Recreating this primordial plasma gives scientists a way to study the dawn of time and the forces that bind the visible matter of the cosmos.

But what would happen if we poured this ultra-hot melted matter into a teacup—admittedly a tall order—and began to stir?







Provided by Brookhaven National Laboratory

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