

RUSSIAN HIF PROGRAM OVERVIEW

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Studies of heavy ion driven inertial fusion aiming at energy production have been pursued with increasing activities in Russian HIF community. The emphasis of the related studies on Heavy Ion Fusion Energy were centered on the

- fusion targets design,
- experimental and theoretical study of heavy ion beam-plasma interaction,
- theoretical and experimental investigations of the state of matter under extreme conditions,
- critical issues of the physics and technology of intense heavy ion accelerators-drivers,
- critical issues of the fast ignition heavy ion driven power plant concept.

Overview of the joint activities of numerous institutes of Russia is presented.