

Abstract Submitted  
for the DPP10 Meeting of  
The American Physical Society

**Joint Program Centered on the Ignitor Experiment**<sup>1</sup> E. AZIZOV, Kurchatov Institute, B. COPPI, MIT, E. VELIKHOV, Kurchatov Institute — A Memorandum of Understanding was signed in April between the Governments of Italy and the Republic of Russia concerning the construction and operation of the Ignitor machine at its the Trinitite site (Troitsk, near Moscow). Given that the machine core design has been completed and full size prototypes have been constructed, construction can take place on a relatively short time scale. In parallel to a joint effort on the Ignitor machine there will be a complementary one concerning high magnetic field technologies, basic physics of fusion burning plasmas, plasma heating systems, advanced diagnostics, etc. Universities will be involved on both the Russian and the Italian sides. A plan for U.S. participation is proposed. This event opens new scenarios in the road map for nuclear fusion, which will be discussed.

<sup>1</sup>Sponsored in part by the U.S. D.O.E.

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Date submitted: 16 Jul 2010

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