Shock Waves

Ion Thermalization in Strong, High-Beta Shocks. D. L. MORSE, P. L. AUER, and W. W. DESTLER, Laboratory of Plasma Studies, Cornell University, Ithaca, N.Y.-Strong, high-beta collisionless shocks are generated by the interaction of a flowing plasma with a magnetic obstacle in a plasma wind tunnel device. The shock waves thus formed are grossly stationary in the laboratory reference frame, and simulate in many respects the earth's bow shock. The upstream plasma flow is characterized by beta 3 and magnetosonic Mach number N \$\tilde{\tild

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