# Study of the isentropic compressibility of solid phase carbon dioxide in the region of ultra-high pressures

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The paper presents the design and results of experiments on isentropic compression of solid carbon dioxide to pressures above 5Mbar in a device based on a magnetocumulative generator. The initial state of the compressed samples corresponded to atmospheric pressure and a temperature close to 150K. The occurrence of electrical conductivity was recorded in the studied samples, and the density and pressure were also determined at different moments of the compression process.

The work was carried out within the framework of the scientific program of the National Center of Physics and Mathematics, direction No. 7 "Research in high and ultrahigh magnetic fields"