MAGNETIC BREAKDOWN IN CHARGE-ORDERED LAYERED CRYSTALS UNDER CONDITIONS OF THE SHUBNIKOV – DE HAAS EFFECT

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S u m m a r y

In has been shown that, in strong quantizing magnetic fields in charge-ordered layered crystals under conditions of the Shubnikov – de Haas effect, one can observe not only oscillation frequencies that are corresponding to extreme cross-sections of Fermi-surface by planes perpendicular to the magnetic field direction, but the oscillation frequencies that are caused by the magnetic breakdown between minibands and cannot be identified with any Fermi-surface cross-sections. However, both the amplitude of these oscillations and the order parameter vanish at the phase transition temperature.