

## Phase transitions in $(\text{CH}_3\text{NH}_3)_5\text{Bi}_2\text{X}_{11}$ (X = Cl, Br) crystals.

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### Streszczenie

Electric properties of  $(\text{CH}_3\text{NH}_3)_5\text{Bi}_2\text{C}_{11}$  and  $(\text{CH}_3\text{NH}_3)_5\text{Bi}_2\text{Br}_{11}$  singlecrystals in the direction of the crystallographic b-axis were studied. Thesamples tested were natural crystal seeds in the form of thin plates, whosecrystallographic b-axis coincides with the normal to the plate. Measurementsof the pyroelectric coefficient were performed near the high temperaturephase transition and spontaneous polarization from the paraelectric phasedown to helium temperature. The attempt of explanation of the anomalouselectric properties of these crystals has been presented.PACS numbers: 77.70.+a

### Adres publiczny

<https://doi.org/10.12693/APhysPolA.84.1085>

### Strona internetowa wydawcy

<http://www.ifpan.edu.pl>