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Some considerations on the structure of arsenic and lead sulphides

Further ideas are given about the structure of baumhauerite - Pb₅As₉S₁₈. They are based on the author's data (Bull. Soc. franc. mineral. et crystallogr., 85, 1, 15 (1962)) and on those of G.B. Bokiy and Ye.M. Romanova. Points discussed include the structural arrangement of Pb atoms with coordination numbers of 7 and 9; the distances between S and As atoms, which have a coordination number of 7; the presence of [010] - directed chains; and the configuration of S atoms, linked to 1 and 2 atoms of As. There are 3 figures.

SUBMITTED: September 25, 1962