

Fig. 3. If cations are shifted in the way described by arrows, the trirutile structure is formed from the Li₂ZrF₆ structure type.

structure type. Amongst the ternary compounds of general formula AB_2X_6 a similar arrangement of (ordered) cations occurs in columbite $FeNb_2O_6$. By analogy with the rutile $\rightleftarrows \alpha\text{-PbO}_2$ transformation,

we might therefore expect the AB_2X_6 compounds discussed above to transform at high enough pressures to a ternary analog of α -PbO₂, possibly with the cations ordered as in FeNb₂O₆.

osition AB2X6. In both

n-planes to z = 0, ned. This involves h octahedral faces on lattice remains their relative order ordered Na₂SiE, erse way, be geon the ordered trind β-Li₂GeF₆ are with, respectively ares, indicates that bed here may very

approximately the d) anion arrange is preferred cation hat in the α-PbO:

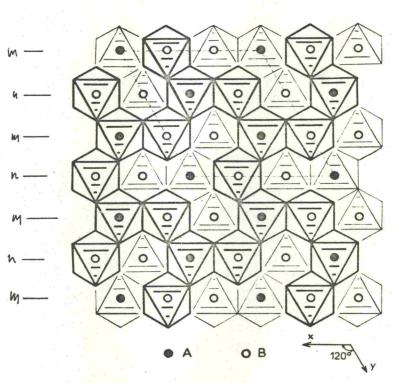


Fig. 4. The Na₂SiF₆ structure type.