

FIG. 5. The trirutile structure type.

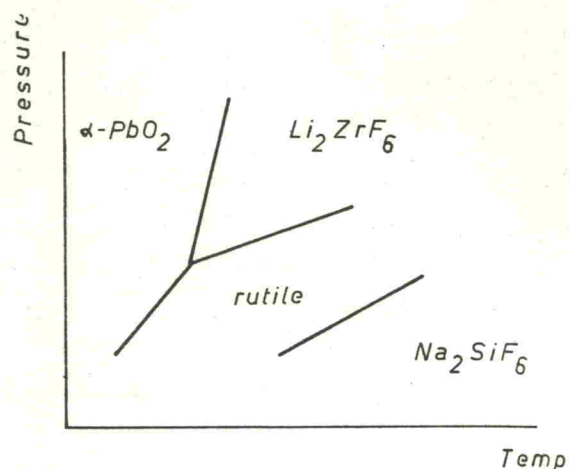
It would be interesting to study the effects of applied pressure in the high temperature experiments referred to above.

In the meantime a tentative pressure-temperature phase diagram is given in Fig. 6. Its construction is based on the observations that

- (a) α - LiSnF_6 transforms to β - Li_2SnF_6 ,
- (b) α - Li_2GeF_6 transforms to β - Li_2GeF_6 at high temperatures and
- (c) rutile transforms to a structure of the α - PbO_2 type at high pressure.

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FIG. 6. Tentative temperature-pressure phase diagram for the various MX_2 structure types discussed.

References

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