GALY AND ANDERSSON



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 -LiSnF₆ transforms to β -Li₂SnF₆,
- (b) α -Li₂GeF₆ transforms to β -LiGeF₆ at high temperatures and
- (c) rutile transforms to a structure of the α -PbO₂ type at high pressure.

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

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