

converted to the cubic form under these conditions. Rhombohedral Lu_2S_3 was partially converted to the cubic form under these conditions.

It is interesting to note that Gschneidner has published a chart which lists the known RB and RB_2 type compounds where R is a rare earth element and B is any other element (8). The chart shows several other series that could be extended by the high pressure techniques used in this study.