

ABSTRACT :

Transition Pressures of Bi 3 - 5, Sn and Fe. Mr CONTRE.

Making use of "X type anvil", the change in resistance of two reference metals in each run were simultaneously recorded in order to compare their transition pressures. A linear extrapolation through the well known points below 60 kbar showed inconsistencies in the most commonly used high pressure scales. The recording of the pistons displacements lead to an exponential extrapolation which gave transition pressures of 78 ± 2 kbar for Bi 3 - 5, of 102 ± 4 kbar for Sn and of 140 ± 15 kbar for Fe.

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