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Pressure Induced Phase Transition in Monopnictides CeSb and LaSb

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Abstract: In the present paper, monopnictides of Ce and La, which crystallize in B_1 structure, have been studied using effective interaction potential (EIP) approach. The phase transition pressure and volume collapses for CeSb and LaSb predicted from this approach are found to be close to experimental data.

Key Words: Phase transition, volume collapse, three-body potential



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