



FIG. 3. Generalized susceptibility function for dysprosium in $\Gamma A \Gamma$ direction at 0 and 20 kbar of hydrostatic pressure.

highly satisfactory. The energy bands and the density of states under pressure are not plotted because they closely resemble their zero-pressure counterparts.

In conclusion, we feel that the pressure dependence of the magnetic ordering of heavy rare earths can be explained on the basis of the pressure shift of the energy bands. Conversely, the good results of the present calculation lend further support to the contention that the initial magnetic ordering in these metals is mainly determined by the energy band structure through the indirect exchange mechanism.

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