Title
PRESSURE-DEPENDENCE OF THE FERROMAGNETIC CURIE-TEMPERATURE IN SINGLE-CRYSTAL EUB6

Permalink
https://escholarship.org/uc/item/20b6b61d

Journal
BULLETIN OF THE AMERICAN PHYSICAL SOCIETY, 25(3)

ISSN
0003-0503

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Publication Date
1980

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Peer reviewed
We report a large positive pressure dependence of the magnetic ordering temperature, $T_c$, with $\Delta T_c/(T_c\Delta P) \approx 4 \times 10^{-2}\text{kbar}^{-1}$, obtained using a SQUID magnetometer with a pressure cell similar to that of Wohlleben and Maple$^1$. This value is larger than comparable results for, e.g. doped Eu-chalcogenides$^2$. We also demonstrate that the indirect exchange mechanism applicable in the case of Eu-chalcogenides$^3$ is insufficient to account for the magnitude of that pressure shift.

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