25a-YJ-6

DyB₁₉₇ is the X-ray line

慶應義塾大東北大理

大隅史人, 田島光雄, 内村純

X-ray Diffraction Study of DyB₁₉₇
Fac. of Sci. and Tech., Keio Univ., Fac. of Sci., Tohoku Univ.
O. Hoshiumi, K. Tajima and S. Kunii

DyB₁₉₇ is a CaCl₂-like structure with a tetragonally distorted structure (a = 260 Å, b = 260 Å, c = 260 Å). It shows a prominent anomaly in the magnetic susceptibility, as shown in Fig. 1. The magnetic susceptibility was measured using the Faraday method. The magnetic susceptibility shows a minimum at around 2 K and a maximum at around 300 K. The anomaly in the magnetic susceptibility suggests the presence of a magnetic phase transition.

---

25a-YJ-7

PtPb₂の反強四極構造

田中幸, 大卒高分子, 理工学部, 金属材料, 大卒高分子

Antiferromagneto-Quadrupolar Ordering of PtPb₂
Graduate School of Science, Hokkaido Univ. and Graduate School of Science, Osaka Univ.

PtPb₂ is the first system to exhibit both a ferrimagnetic and a ferrimagnetic phase transition. The magnetic susceptibility shows a sharp peak at around 2 K, which indicates the presence of a magnetic phase transition. The magnetic susceptibility was measured using the Faraday method. The magnetic susceptibility shows a sharp peak at around 2 K, which indicates the presence of a magnetic phase transition.

---

25a-YJ-8

NaCo₂Si₃の長距離相互作用

東北大学理

河野栄一, 大正己, 小林隆, 佐藤信治

Behavior of long range interaction under pressure on NaCo₂Si₃
ISSP. Univ. of Tokyo, Fac. of Sci. Yamaguchi Univ.
M. Hane, H. Mitamura, T. Toto, G. Shigeoka

NaCo₂Si₃ is a layered compound with a layered structure. The magnetic susceptibility shows a sharp peak at around 2 K, which indicates the presence of a magnetic phase transition. The magnetic susceptibility was measured using the Faraday method. The magnetic susceptibility shows a sharp peak at around 2 K, which indicates the presence of a magnetic phase transition.

---

25a-YJ-9

10 T Magneticを用いた磁場中の中子回折

松山原, 松山原, 原, 原

Neutron diffraction measurement under the magnetic field with 10 T magnet
Advanced Science Research Center, JAERI, Grad. School Sci. Osaka Univ.
Y. Hanada, K. Ohkawa, N. Nekata, Y. Onuki, Y. Goda

In the magnetic field of 10 T, the neutron scattering intensity shows a sharp peak at around 2 K, which indicates the presence of a magnetic phase transition. The magnetic susceptibility was measured using the Faraday method. The magnetic susceptibility shows a sharp peak at around 2 K, which indicates the presence of a magnetic phase transition.