



Ero,75 Luo,25

(TNeel)

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8413j Neutron diffraction study of the magnetic structure of erbium-lutetium [Er₀₋₇₂Lu₀₋₂₃]. Habenschuss, M.: Stassis, C.; Sinha, S. K.; Spedding, F. H. (Ames Lab., Iowa State Univ., Ames, Iowa): Phys. Lett. A 1973, 45(4), 281-2 (Eng). In the neutron-diffraction measurements at 4.9-78°K on singlecrystal Er₀₋₇₂Lu₀₋₂₅, a transition to the longitudinal spin-wave structure (J. W. Cable, et al., 1965) with the wave vector along the c-axis was obsd. at the Neel temp. $(T_X = 68°K)$, and a transition to a slightly distorted antiferromagnetic conical spin configuration was obsd. at 40°K. No ferromagnetic transition was obsd.

C.A. 1974. 80 . N2