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Rare-earth ion clusters in doped crystals with fluorite structure

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Abstract

In BaF₂ crystals doped with paramagnetic Yb³⁺ ions, at concentrations higher than 0.01 at %, an EPR line was observed corresponding to a linear cluster Yb-F-Yb-F oriented along a threefold axis. © 2009 Pleiades Publishing, Ltd.

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