

## **Spectrometer for optical detection of magnetic resonance: Magneto-optical study of Yb<sup>3+</sup> in BaF<sub>2</sub> single crystal**

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### **Abstract**

A home-built multifunctional computerized spectrometer for optical detection of magnetic resonance (ODMR) is described. Preliminary results of studying Yb<sup>3+</sup> ions in BaF<sub>2</sub> single crystal by electron paramagnetic resonance, ODMR and optical spectroscopy are presented. © Springer-Verlag 1999.

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