**OPTICAL PROPERTIES OF SAMARIUM-DOPED GLASSES IN THE SYSTEM ZnO-B2O3-P2O5**

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**Abstract**

*In this paper the optical properties of Samarium doped glasses were studied by fluorescence spectroscopy. The ternary glass system ZnO-B2O3-P2O5 was synthesized with different molar ratios of the doping component. The binary systems ZnO-B2O3, ZnO-P2O5, B2O3-P2O5 and the subsolidus phase equilibrium in the ZnO-B2O3-P2O5 system are discussed.*