X–Ray Excited Optical Luminescence (XEOL) of Fluorite at the Nanosecond Pulse and Stationary Character of the Excitation.

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Spectral and kinetic parameters of XEOL have been investigated in 300 fluorite samples from more than 100 deposits of the former USSR. The monocrystals, it's zones of growth and polycrystal concentrations (fluorite proper, rare metal–fluorite, rare metal and other deposits) were studied.

Models of typomorphic point optical–active centres of fluorite and possibilities of use of fluorite XEOL for solution problem of technological, genetic and prospecting mineralogy are discussed.