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## Physics Radiation Effects Crystals Volume

**radiation effects in kmgf crystals - researchgate** - radiation effects in kmgf 3 crystals n. kristianpoller\*, d. weiss and r. chen school of physics & astronomy, raymond and beverly sacker faculty of exact sciences, tel-aviv university, tel-aviv ... **radiation effects on cms pbw04crystals and consequences ...** - contributions to response loss kristina hanna radiation effects on cms pbw0 4 crystals and consequences for physics ionisation (de/dx) damage: occurs due to creation of colour centres. **radiation effects in natural quartz crystals - springer** - radiation effects in natural quartz crystals harish bahadur Æ he´le`ne tissoux Æ teruo usami Æ shin toyoda received: 15 may 2007/accepted: 20 august 2007/published online: 25 september 2007 **radiation effect on layered crystals of gas and gas** - the observed radiation effects in spectra and spectral parameters ( $\nu_{max}$ ,  $\nu_{1/2}$  and  $d/d_0$ ) in layered crystals of gas and gas connected with restructuring of initial defects. **peculiarities of radiation effects in mgo:mn2+ crystals** - peculiarities of radiation effects in mgo:mn2+ crystals meri abramishvili, zaira akhvlediani, makvala galustashvili, guram dekanozishvili, tamaz kalabegishvili, vakhtang kvatchadze, valery tavkheldize **radiation-induced effects in corundum single crystals** - radiation-induced effects in corundum single crystals || armenian journal of physics, 2015, vol. 8, issue 3 131 2. materials and methods the subjects of study were samples of nominally pure (undoped) corundum ( $\text{-al}_2\text{o}_3$ ) **radiation damage and recovery of crystals: frenkel vs ...** - radiation damage and recovery of crystals: frenkel vs. schottky defect production v. i. dubinko, nsc kharkov institute of physics and technology nas of ukraine, akademicheskaya str.1, kharkov 61108, ukraine abstract a majority of radiation effects studies are connected with creation of radiation-induced defects in the crystal bulk, which causes the observed degradation of material properties ... **radiation hardness of optical materials - scia** - 1 3rd europa jupiter system mission instrument workshop, esa estec january 2010, d. doyle, estec, optical materials • outline - radiation effects physics of optical materials **foundations of the rate theory of radiation effects with ...** - foundations of the rate theory of radiation effects . with account of non-linear excitations in crystals. v.i. dubinko **a primer in applied radiation physics - gbv** - xiv contents 6.10 ionic crystals 217 6.11 radiation effects in polymers 221 6.12 radiation effects in glasses 225 6.13 intense irradiation of graphite 226 **photonic crystals, graphene, and new effects in Čerenkov ...** - Čerenkov radiation -shock wave of light radiation cone charged particle Čerenkov, dokl. akad. nauk sssr 2, 451 (1934) nobel prize in physics 1958 **radiation physics and chemistry - elsevier** - radiation physics and chemistry is a multidisciplinary journal that provides a medium for publication of substantial and original papers, reviews, and short communications which focus on research and developments involving ionizing radiation in radiation physics, radiation chemistry and radiation processing. radiation physics and chemistry aims to publish articles with significance to an ... **the `quasi-mosaic' effect in crystals and its applications ...** - crystals was studied in order to yield photon production through bremsstrahlung, channeling radiation, parametric x-ray radiation and undulator use (korol et al., 2004). **experimental evidence of quantum radiation reaction in ...** - studied the emission of radiation in crystals in the quantum regime, mostly in thin crystals to avoid pile-up effects in the calorimeter, that is, the emission of multiple photons by a single

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