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AREAL Low Energy Electron Beam Application in Life and Materials Sciences

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AREAL laser driven RF gun provides the 2-5 MeV energy ultrashort electron pulses for experimental study in life and materials sciences. We report the first experimental results of the AREAL electron beam application in the study of molecular-genetic effects of ultrafast radiation, electro-physical properties of silicon and silicon-dielectric structures, characteristics of ferroelectric nanofilms and the single crystals for scintillators.

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