## Behavior of Fullerenes under Short Wavelength Irradiation

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In this contribution we describe a response of various fullerenes and fullerene based materials to intense VUV (ArF laser) and XUV/soft X-ray (emitted from laser-produced and discharge-generated hot dense plasmas) radiation. Efficiency and character of fullerene modification and decomposition by this radiation are compared with that of UV/Vis irradiation.