

Abstract Submitted
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Radiation Hard Detector R&D at the University of Colorado¹
JOHN CUMALAT, BENJAMIN BENTELE, DARREN SCHAEFFER, KEVIN
STENSON, STEVE WAGNER, University of Colorado, Boulder — The Univer-
sity of Colorado group has been working to develop a large monocrystal radiation
hard diamond sensor for use in the inner layers of the pixel tracking chamber in
the Compact Muon Solenoid (CMS) Collaboration. We will describe our efforts to
create 1-inch square diamond mosaics and report our studies of light sensitivity,
polarization, and impurities in the diamond wafers.

¹Department of Energy, ADR

John Cumalat
University of Colorado, Boulder

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