



LANL-developed technology offers promise of safer X-rays

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by Wanyi Nie

Most of us have to get X-rayed from time to time, whether it's for a checkup at the dentist, a broken bone, or soft tissue imaging for things like mammograms or checking for lung diseases.

Apart from medical examinations, X-ray diagnostic tools are widely used in research institutions and labs for nondestructive probes. Modern X-rays require a much lower dose of radiation than they once did, but the X-ray technician is still likely to drape you in a lead apron to prevent inadvertent exposure of other areas of your body.

A new X-ray detector prototype is on the brink of revolutionizing medical imaging, potentially reducing the need for (or at least the weight of) a lead apron. The advance could dramatically decrease medical radiation exposure, while also boosting resolution in security scanners and research applications, thanks to a novel type of electronics being developed at Los Alamos National Laboratory, in coordination with Argonne National Laboratory researchers.

Read the rest of the story as it appeared in the [Santa Fe New Mexican](#).

Los Alamos National Laboratory

www.lanl.gov

(505) 667-7000

Los Alamos, NM

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