

## ADVANCING NUCLEAR DISARMAMENT WITH PHYSICS

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Eight decades after the first wartime use of nuclear weapons, ~12,000 weapons remain and a new arms race is underway. Using physics—e.g. muon/photon/neutron detection, environmental dosimetry—and interdisciplinary approaches, the Hamburg Nuclear Disarmament Laboratory seeks pathways to a world free of nuclear weapons. It asks: How can we reduce nuclear risks? How can we verifiably eliminate nuclear weapon programs? How can we address the material and environmental legacies of the nuclear age?

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