

Abstract Submitted
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Low-field MRI for studies of human pulmonary physiology and traumatic brain injury ALYSSA WILSON, Department of Physics, Harvard University, STEPHEN DEVIENCE, Department of Chemistry, Harvard University, MATTHEW ROSEN, RONALD WALSWORTH, Harvard-Smithsonian Center for Astrophysics; Department of Physics, Harvard University — We describe recent progress on the development of an open-access low-magnetic-field MRI system for studies of human pulmonary physiology and traumatic brain injury. Low-field MRI benefits from reduced magnetic susceptibility effects and can provide high-resolution images of the human body when used with hyperpolarized media such as ^3He and ^{129}Xe .

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