

Abstract Submitted
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A study of a radon gas scrubber¹ XIAOYI YANG, VINCENTE E. GUISEPPE, DONGMING MEI, University of South Dakota — Radon gas and its progeny are critical sources of background for low background experimental devices. The required reduction of radon levels in the air of the experimental area can typically be achieved with a radon scrubbing system. For testing purposes, a single column system has been built at USD to study the radon-adsorption properties of activated charcoal under different conditions. In this paper, we will demonstrate the working principle and test results.

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