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PAPER TITLE Estimation of Rn Activity Level and Dose of
Resident in Changchun City Area

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ABSTRACT (See instructions overleaf)

This paper reports the monitored results of Radon in air indoor and outdoor in Changchun city area with static accumulation collector for the daughters of Radon from July 1991 to July 1992. The static accumulation collector is developed, designed and was supplied to us by University of NAGANO, Japan.

Six monitoring points were selected in Changchun city area, the collector is laid horizontally, settled at 1 m above the ground of monitoring point, the sample is collected every two months. Annual average activity of Radon is $9.7 \sim 1.8 \text{ bq} \cdot \text{m}^{-3}$ outdoor, $18.6 \sim 6.5 \text{ bq} \cdot \text{m}^{-3}$ indoor, $35.6 \sim 8.6 \text{ bq} \cdot \text{m}^{-3}$ in underground plaza.

HE/a for lung of residents was estimated according to the parameters published by UNSCEAR, the value of $0.76 \text{ msv} \cdot \text{a}^{-1}$ is obtained