技术及应用

不同土壤氡分布的数值模拟

申超[1]; 陈凌[1,2]; 肖德涛[1]; 谭延亮[3]

1.南华大学 核科学技术学院，湖南 衡阳421001 2.中国原子能科学研究院 辐射安全研究所，北京102413 3.衡阳师范学院 物理与电子信息科学系，湖南 衡阳421008

摘要　通过考虑砂土等6种均匀土壤及典型层状土壤的情况，对土壤氡分布进行数值模拟，对扩散系数、孔隙度、降水等对土壤氡分布有影响的因素进行研究，并对因土壤中镭分布而致氡异常分布进行相应分析。分析发现，土壤中的氡浓度随土壤深度的增加而增大。

关键词　土壤氡　取样深度　影响因素

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· 申超
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·
· 肖德涛
· 谭延亮

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Numerical Computation of Radon Distribution in Different Soils

SHEN Chao[1]; CHEN Ling[1,2]; XIAO De-tao[1]; TAN Yan-liang[3]

1.School of Nuclear Science and Technology, University of South China, Hengyang 421001, China; 2.China Institute of Atomic Energy, P. O. Box 275-24, Beijing 102413, China; 3.Department of Physics and Electronic Information Science, Hengyang Normal University, Hengyang 421008, China

Abstract　The numerical computation of radon distribution in soils was implemented, considering 6 different types of homogeneous soils including sands, etc. and typical layered soil. Thereafter researches were mainly focused on factors which affect the distribution, such as diffusion coefficient, porosity, and rainfall. The situation of abnormal radon distribution in soil caused by radium distribution was also analyzed. The results show that the radon concentration increases with depth of soil.

Key words　soil　radon　sampling　depth　influencing　factor

通讯作者