

中国大陆地区居民所受宇宙射线剂量估算

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摘要 文章根据宇宙射线的高度与纬度分布、我国大陆地区居民居住地的地理分布和1986年底全国人口统计资料估算,得出我国大陆地区居民所受宇宙射线外照射人口加权平均年有效剂量当量为278 μ Sv,其中电离成分和中子成分分别为252和26 μ Sv。

关键词 [宇宙射线](#) [有效剂量当量](#)

分类号

THE ESTIMATION OF THE DOSE FROM COSMIC RADIATION RECEIVED BY THE POPULATION LIVING AT MAINLAND AREAS IN CHINA

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Abstract According to the distribution of cosmic ray ionization with altitude and latitude as well as the census information in all of our country (the end of the year 1986), the population-weighted mean annual effective dose equivalent received by the population living at mainland areas in China is estimated to be about 278 μ Sv, in which the ionizing component and the neutron component are 252 μ Sv and 26 μ Sv, respectively.

Key words [Cosmic ray](#) [Effective dose equivalent](#)

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