Contribution ID: **40** Type: **Contributed**

Assessment of External Irradiation Dose of China's Mainland Residents Caused by Natural Radiation

Wednesday, 29 October 2014 12:30 (30 minutes)

Based on the field, road and building indoor gamma absorbed dose rates in air (hereinafter referred to as gamma dose rates) measured by the national natural radioactive level survey in more than 20 thousand points from 1983 to 1990, the calculation of effective dose rates of cosmic rays, GIS, classification of grid, and also according to the "Sub-counties population statistics of the People's Republic of China in 2007", in this paper, the per capital effective doses of China's mainland residents caused by cosmic rays, natural radiation and natural penetrating radiation were assessed for 0.304mSv,0.544mSv and 0.848mSv, respectively.

Country or International Organisation

China

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Session Classification: Session 4: Poster Session

Track Classification: Maintaining and Strengthening TSO Capabilities