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Radon escape from mine tailings dams

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Gold mine tailings dams contain considerable amounts of Ra-226 and have therefore been identified as large sources of radon. In this contribution we will discuss measurements at a disused Kloof mine dump near Carletonville to investigate the radon exhalation from the dump as well as the gamma radiation from the dump.

We have also taken soil samples in order to find the activity concentrations as well as to study the diffusion and emanation of radon.

Level (Hons, MSc, PhD, other)?

PhD

Consider for a student award (Yes / No)?

yes

**Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?**

yes

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