

## Outdoor radon and radon progeny measurements. Dose estimation.

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### **Abstract**

Radon and radon progeny concentrations were continuously measured at different locations:

- 1) at the ESMERALDA station located at the CIEMAT premises in Madrid in September 2003
- 2) at a high mountain environment, at Kasprowy Wierch station in July 2011 (1,989 m a.s.l. in Tatra mountains, Southern Poland),
- 3) at Delta del Ebro station in August 2011. This station is located at the eastern coast of Spain, near the Ebro river estuary,
- 4) at Huelva University (located in the city of Huelva close to the phosphogypsum piles), where radon progeny concentration measurements started in 2013, and
- 5) at "El Arenosillo" tower (20 km from Huelva city) where radon gas is measured at 10 m and 100 m height, since 2010.

The different behaviour of radon and radon progeny concentrations is analyzed for each station and a preliminary evaluation of its influence in the dose estimation will be presented.

Abstracts should be submitted as an email attachment to [schellenberger@iaf-dresden.de](mailto:schellenberger@iaf-dresden.de). Only .doc and .pdf are the acceptable file formats.

Term of presentation is planned to be 30 minutes including time for answering a few questions.

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