## Japan Geoscience Union Meeting 2013

(May 19-24 2013 at Makuhari, Chiba, Japan)

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AAS24-P04

Room:Convention Hall

Time:May 20 18:15-19:30

## Radioactivity measurements for air-dust samples around Fukushima prefecture

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We have been collecting air-dust using high volume air sampler at Fukushima city (Fukushima Pref.), Marumori town (Miyagi Pref.) and Hitachi city (Ibaraki Pref.) since the accident. We identified the radioactivities of 134Cs and 137Cs in filters using high purity germanium detector. We also identified 7Be activity to monitor meteorological condition. The activity ratio of 134Cs /137Cs was mostly constant, on the other hand, the absolute activity of 134Cs and 137Cs varied with sample collection date by about ten times. In this report, we discuss the relationship between the time variation of the radioactivity concentrations and meteorological phenomenon.

Keywords: Air dust, Radioactivity, Radioactivity measurement