



# International Workshop on "Muon and Neutrino Radiography 2012"

## mercredi 18 avril 2012

### Volcanology (09:20 - 12:30)

-Présidents de session: Aldo Zollo

time	[id] title	presenter
09:20	[17] Earthquake tomography on volcanoes with a probabilistic regularization approach	Prof. GOT, Jean-Luc
09:40	[25] From conduit processes to surface emissions: constraints from seismic and Doppler radar data	Dr VALADE, Sebastien
10:00	[48] Crustal structure of Guadeloupe Islands and the Lesser Antilles Arc from a new gravity and magnetic synthesis	GAILLER, Lydie
10:20	[47] Internal architecture of La Réunion (Indian Ocean) inferred from geophysical data	Mlle GAILLER, Lydie
10:40	Registration and coffee break	
11:10	[69] Structure of Puy de Dôme volcano (Chaîne des Puys, France): towards a revised model	M. MIALLIER, Didier
11:30	[24] Inner structure of the Puy de Dôme: cross-comparison of geophysical models (ERT, Gravimetry, Muonic Imagery)	PORTAL, Angélie
11:50	[81] Towards a muon radiography of the Puy de Dome	M. NIESS, Valentin
12:10	[12] Visualizing the internal structure of a cryptodome with cosmic ray muon radiography	Prof. TANAKA, Hiroyuki

### Volcanology (14:00 - 16:00)

-Présidents de session: Aldo Zollo

time	[id] title	presenter
14:00	[5] Density Muon Radiography of Soufrière of Guadeloupe Volcano: Comparison with Geological, Electrical Resistivity and Gravity data	Prof. GIBERT, Dominique
14:20	[22] Muon radiography of the Unzen volcano with a nuclear emulsion detector.	Dr RUSSO, Andrea
14:40	[15] The MU-RAY telescope	AMBROSINO, Fabio
15:00	[42] Exploring muon radiography as an asset in the characterisation of activity at dome-forming volcanoes	Dr GOTTMANN, Joachim
15:20	[74] Looking into Ngauruhoe volcano; - can we use muons to get a density profile	Dr HURST, Tony
15:40	[13] Volume slicing with multi-directional muon radiography	Prof. TANAKA, Hiroyuki

### Volcanology: Volcanology Round Table (16:30 - 18:30)

-Présidents de session: Aldo Zollo

time	[id] title	presenter
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16:30	[90] Introduction to the round table - Geophysical vs muon imaging techniques applied to volcanoes : advantages, limitations and perspectives	Prof. ZOLLO, Aldo
16:45	[91] Seismic tomography vs muon radiography to image the structure of volcanoes	GOT, Jean-Luc
16:55	[92] Geological and volcanological relevance/potential of muon radiography to investigate and to understand the shallow volcanic processes	LÉNAT, Jean-François
17:05	[93] Applications and perspectives of Muon radiography: the experience in Japan	Prof. TANAKA, Hiroyuki
17:15	[94] Applications and perspectives of Muon radiography: the experience in Italy	Prof. STROLIN, Paolo Emilio
17:25	[95] Applications and perspectives of Muon radiography: the experience in France	GIBERT, Dominique