

YU Changqing, LUO Su, 2013. Differences in deep structures and geophysical response characteristics before and after the Wenchuan earthquake. *Acta Geologica Sinica* (English Edition), 87(supp.): 420.

## **Differences in deep structures and geophysical response characteristics before and after the Wenchuan earthquake**

YU Changqing, LUO Su

*Chinese Academy of Geological Sciences, Beijing, 100037, China*

*Kunming University of Science and Technology, Kunming, 650000, China*

Based on the geological analysis and research of deep structure in Longmenshan, the seismic reflection profiles before and after the 2008 Wenchuan earthquake fracture zone are processed for studying the deep structure changes and dynamic mechanism of the Wenchuan earthquake. From the research of response characteristics and differences of reflection seismic profiles before and after

the Wenchuan earthquake, We get the information of deep structure changes, find the fault caused the Wenchuan earthquake and its geophysical characteristics. And provide the basis for the study of Wenchuan earthquake seismogenic mechanism, too.

---

\* Corresponding author. E-mail: [geoyucq@hotmail.com](mailto:geoyucq@hotmail.com)