A Big Earth Data Platform for Three Poles

**Zn isotopic data of peridotites in the Italian Alps**

1、Description

This data set mainly includes Cu isotopic analysis of orogenic peridotites from the everea Alps, Italy, in balmucha and baltisa. Zn isotopic data were obtained by MC-ICPMS after acid digestion and ion exchange resin separation. The whole rock sample was crushed to less than 200 mesh without pollution, and the powder was digested by acid and separated by ion exchange resin. Then the zinc isotope was tested by MC-ICPMS. The international standard samples were selected to monitor the test data. These peridotite Zn isotopic data provide important information for mantle reservoir Zn isotopic composition.

2、Keywords

Theme：magma,Rocks/Minerals,Geochemistry,igneous rocks,Geologic Hazard,Isotopic geochemistry
Discipline：Solid earth
Places：Alpine peridotite
Time：210Ma

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.015MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：45.49 | - |
| west：7.54 | - | east：8.21 |
| - | south：44.45 | - |

5、Time frame:None--None

6、Reference method

References to data:

Zn isotopic data of peridotites in the Italian Alps. A Big Earth Data Platform for Three Poles, 2021

References to articles:

Huang, J., Chen, S., Zhang, X. C., & Huang, F. (2018). Effects of melt percolation on Zn isotope heterogeneity in the mantle: Constraints from peridotite massifs in Ivrea‐Verbano zone, Italian Alps. Journal of Geophysical Research: Solid Earth, 123(4), 2706-2722.

7、Supporting project information

8、Data resource provider