## Full-waveform fomography illuminates 3-D anatomy of the Tibetan Plateau

Qiwen Zhu<sup>1,2</sup>, Fuji Nobuaki<sup>2,3</sup>, Li Zhao<sup>1</sup>

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<sup>1</sup>School of Earth and Space Sciences, Peking University; *Université Paris Cité, Institut de physique du globe de Paris; <sup>3</sup>Institut universitaire de France.* 





Abstract: It has been widely accepted that large-scale continental collision and subduction are involved in the formation of the giant Tibetan Plateau. The deep root (~100km) of active rifts as well as the tearing of slabs beneath the plateau are also suggested by previous tomographic studies. Here, we present a preliminary result of an ongoing tomographic study in attempt to provide refined seismic models of these geological structures with higher special resolution and multiple parameters, by further exploring the seismic waveforms (P-waves up to 0.1 Hz) from earthquakes of great distances from the Tibetan Plateau.



Sutures: boundaries between geological blocks. BNS: Bangong-Nujiang suture. INS: Indus-Yarlung suture.





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