

Crustal structure of Fujihashi - Kamigori profile by refraction and wide - angle reflection experiment

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Refraction and wide-angle reflection experiment to research the crustal structure of Fujihashi - Kamigori profile, in the central to western part of Honsyu, Japan. The profile was about 220 km in length. The later phases that reflected from the lower crust were observed clearly. The crust is divided into three parts. The first layer is about 6 km in thickness and its V_p is 5.6 - 6.0 km/s. The second layer is 15 - 19 km in thickness and its V_p is 6.05 - 6.45 km/s. The third layer is 12 - 15 km in thickness and its V_p is 6.6 - 6.8 km/s. The Moho depth is about 37 km and V_p of the upper mantle is 7.85 km/s. The S wave velocity structure is also constructed by fixing the layer of V_p structure. The V_p/V_s of the first layer is 1.73 and of the second layer is 1.70.