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The focal mechanism solution of small earthquake and microearthquake occurred in the West Kanagawa area within Izu colli

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We summarized the focal mechanism solution of small earthquake and micro-earthquake occurred in the West Kanagawa area within Izu collision zone. (1) The focal mechanism solutions in the Tanzawa area show a reverse and strike fault type included oblique type. We don't find the correlation between the magnitude and the mechanism. (2) P axis directions in Tanzawa area roughly reflected the movement direction of PHS. Examining it in detail, we found the difference of directions of P axis between western and eastern area in Tanzawa. The directions of P axis show NW-SE in western Tanzawa area, NNW-SSE in eastern area of Tanzawa. (3) In Asigara plain area, there are a focal type of reverse and middle. The directions of P axis show from E-W to NNW-SSE. The dip angles of P axis with micro-earthquake are about horizontal angle.

Keywords: Izu collision zone, the West Kanagawa area, focal mechanism solution