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Three-dimensional seismic velocity structure and seismotectonics of Taiwan

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Structure and tectonics of Taiwan are very complicated because of the complex interaction of plates in this region. In order to get a better understanding of the tectonics of Taiwan, we have attempted to determine the three-dimensional seismic velocity structure and the Moho geometry using arrival time data recorded by Central Weather Bureau Seismic Network. Our results show the subducting Eurasian slab and Philippine Sea slab clearly. The Moho geometry has also been determined for the first time under the entire Taiwan Island.