## Sz-004 Room: C417

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Seismic imaging of the Japan subduction zone using data from the Hi-net seismic network

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We have attempted to determine high-resolution crust and upper mantle structure of the Japan subduction zone by applying a tomographic method to local earthquake arrival times recorded by the Hi-net seismic network. Our preliminary result for Southwest Japan shows that the subducting Philippine Sea slab was imaged very clearly. It is expected that the Hi-net data would enable us to reveal many new features of the structure under Japan and would greatly improve our understanding of the structure and dynamics of this region.