

## Seismic Structure Based on the Scattering and Attenuation of Coda Waves in the Onikobe Area, Miyagi Prefecture, NE Japan.

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We calculated  $1/Q_c$  values based on the single scattering model in and around the Onikobe area, NE Japan. From the results we realized that  $1/Q$  is low in the Onikobe area. Based on the method of Obara(1997) we simulated S-coda waves by a model structure where the Onikobe and Sanzugawa caldera were strong scattering and attenuation bodies, and layered lower crust was strong scattering body.  $1/Q_c$  values calculated for simulated coda waves showed a similar distribution to those obtained for the observation data.