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SIT04-02

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Single crystal elasticity of Pbnm-CaIrO3, Cmcm-CaIrO3, and Antigorite determined by inelastic X-ray Scattering

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Single crystal elasticity of Pbnm-, Cmcm- CaIrO3 and Antigorite was measured at Spring8 BL35 by using inelastic X-ray scattering method. The former two phases are well known analog of perovskite (Pv) and post perovskite (pPv) MgSiO3, respectively. The last one is important hydrous mineral in subduction slab.

Keywords: Perovskite, Post-Perovskite, Antigorite, crystal elasticity, inelastic X ray scattering