

## Crystallographic orientations of minerals in spinel-pyroxene symplectites from the Horoman Peridotite Complex

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We investigated crystallographic orientations of minerals in spinel-pyroxene symplectites collected from three localities (upper, middle and lower parts) in the southern part of the Horoman Peridotite Complex, Japan, using FE-SEM-EBSD. Systematic crystallographic orientations are observed among symplectite minerals (Odashima et al., 2007 this meeting) in the studied symplectites. We also examined crystallographic orientation of minerals in a symplectite which was used to reconstruct three-dimensional microstructures using SPring-8. In the meeting, we discuss the formation processes of symplectite in the Horoman peridotites on the basis of the results of this study.