Mb-P007 Room: Lounge Time: June 27 17:30-19:00

Phase relations in CaMgSi2O6

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High-temperature high-pressure phase equilibrium experiments of CaMgSi2O6 were performed in the pressure range of 17.5 - 21GPa, and the temperature range of 1000 - 1600 C, for 1 - 5 hours, using a 6-8 type multi-anvil apparatus.

It was consequently found that at $18GPa\ CaMgSi2O6(Cpx)$ transformed to MgSp+CaPv+St up to $1400\ C$, and transformed to MgGar+CaPv above $1500\ C$. And the both assemblages transformed to MgII+CaPv at 21GPa.