

Abstract Submitted
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Primary dissociation channels of SiH₄ TOSHIO HAYASHI, KENJI ISHIKAWA, MAKOTO SEKINE, MASARU HORI, Nagoya University — The primary dissociation channels of SiH₄ were investigated using computational chemistry. The results showed the very similar properties to those of CH₄. The main dissociation product was SiH₂ and the second dissociation product was SiH₃. SiH was produced through SiH₃ to SiH+H₂ reaction, by electronic excitation.

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