

PPS003-P08

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## Widespread occurrence of high-calcium pyroxene in bright-ray craters on the Moon

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We investigated the continuous spectral features of craters ranging from 8 to 24 km in cavity diameter with distinctive bright rays on the Moon using the Spectral Profiler onboard SELENE (Kaguya) to gain a better understanding of the lunar highland crust. We found that high-calcium pyroxene (HCP) is the most plausible dominant mafic mineral identified from the observed spectra. We discuss the widespread occurrence of the observed HCP and its potential origins.