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MIS31-P05

Room:Convention Hall

Time:May 24 17:15-18:30

Petrological evidence of ancient mantle components beneath the Mid-Ocean Ridge? Results from a serpentine seamount along

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We examined abyssal peridotites recovered from a small seamount along the Central Indian Ridge. Only gabbros and serpentine were recovered from the top of the seamount by dredge. Peridotite samples were classified into (1) dunite, (2) pyroxene-bearing peridotite (olivine > pyroxene) and (3) pyroxene-rich peridotite (pyroxene > olivine). We will show you our interpretation that some of these samples were formed in a diffent tectonic setting at ancient age.

Keywords: mid-ocean ridge, mantle

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