



Yb

()

2016 7 28 16:30 -

C212

Yb

4f

4f

(cf)

Yb

cf

4f

(RKKY

)

cf

4f

(

)

Yb

Yb²⁺ Yb³⁺

YbI nCu₄

YbI nCu₄ [1]

(YbN₃X₉(X=Al, Ga) [2], YbN X' (X'=Si, Ge) [3])

YbN Ge₃

[4]

[1] Y. Utsuni et al., Phys. Rev. B 84, 115143 (2011).

[2] Y. Utsuni et al., Phys. Rev. B 86, 115114 (2012).

[3] H. Sato et al., Phys. Status Solidi C 12, 620 (2015).

[4] H. Sato et al., Phys. Rev. B 89, 045112 (2014).

5

7021



7653
7021

7741

5720

6552
7471

