

FeSn/ α -Fe(Sn)

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 ^{119}Sn ^{57}Fe -

Sn(4) – Fe(10),

(T =550°)

 5×10^{-6}
 ^{119}Sn ^{57}Fe

« »

 ^{119}Sn)(^{57}Fe),

MSTools.

Q) (l,

 μ , ^{119}Sn ,(E_γ ,

L,

).
 H_n ,{ V_{ij} },(α, β, γ),

HAMILTON

 T_A T_V ,

« »

SPECTR.

SPECTR.

. 1

 ^{119}Sn ,Sn(4)-Fe(10).
550°C

0,5

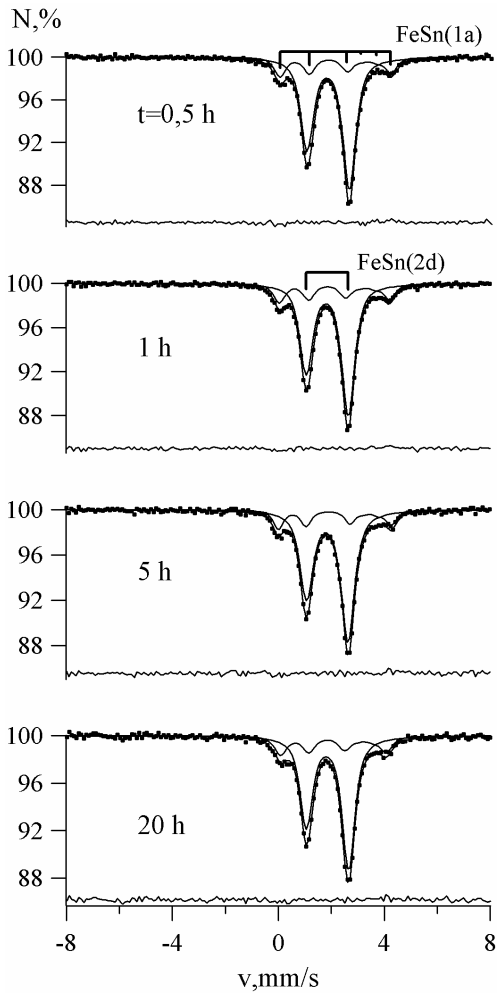
FeSn,
(2d). . 1

– (1a)

 ^{119}Sn

(. 2.).

Sn.



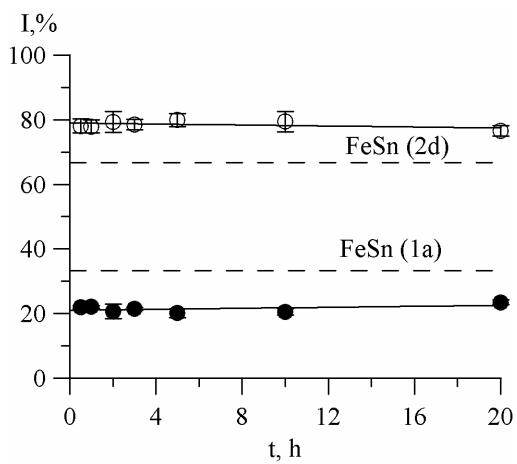
. 1.

Sn(4) - Fe(10) ^{119}Sn
 $T = 550^\circ\text{C}$.

. 2 ,
 (1a)

$\approx 20\%$ 0,5

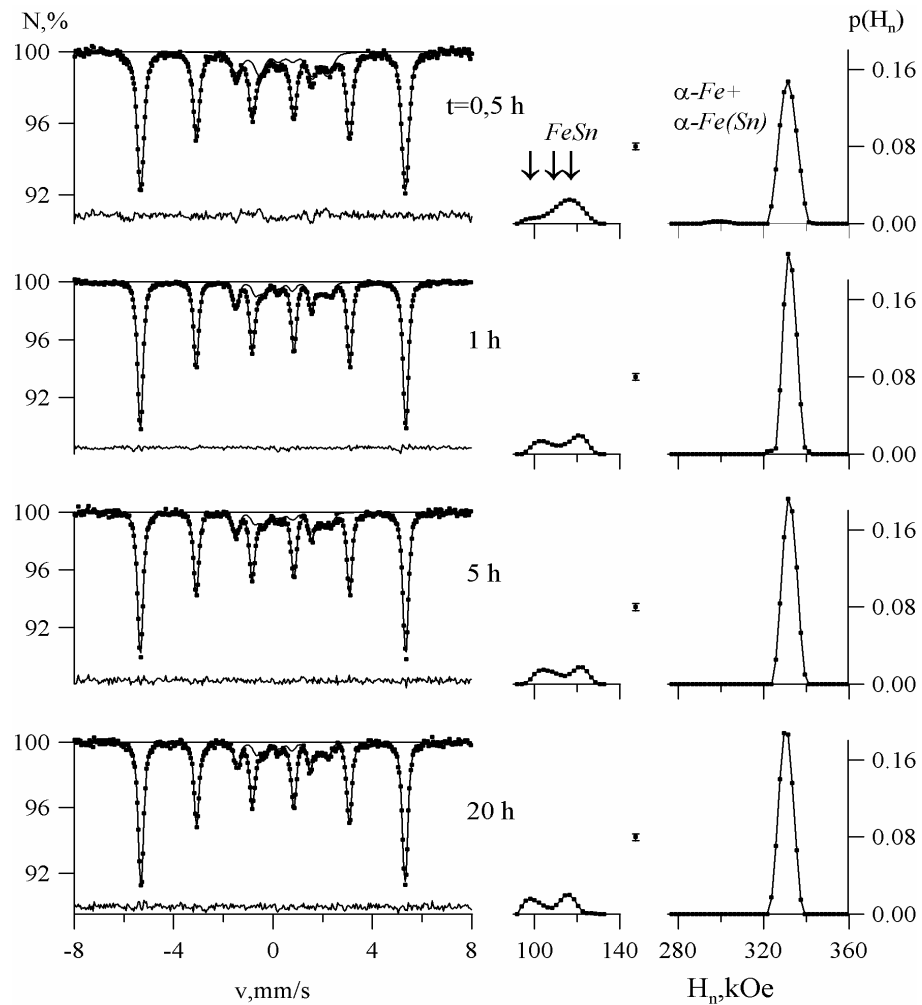
FeSn [1].



. 2.

^{119}Sn
 t FeSn 550°C .

1(a) (2b) FeSn, δ , ^{119}Sn , H_n , ϵ , δ, ϵ , H_n , FeSn, ^{57}Fe , .3, Sn(4)-Fe(10), 550°C. (.4.), 0,5, ($\alpha\text{-Fe}$)



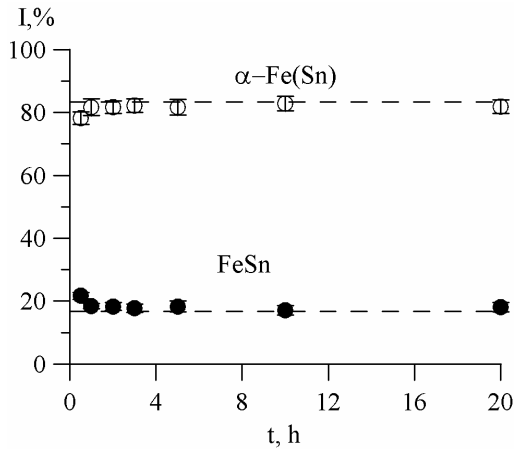
.3. ^{57}Fe () $p(H_n)$ T =550°C. Sn(4)-Fe(10)

[2] FeSn, δ , ϵ , H_n , $\delta=0,68\pm0,02$ / ($H_1=120,9\pm1,5$, $H_2=113,6\pm1,5$, $H_3=101,4\pm1,5$), $\Delta=-0,45\pm0,02$ / H_n , 90, 130, 280, 360, .4,

Sn-Fe 0,5 -

FeSn [2]. , FeSn.

(. 4.).



. 4. I ⁵⁷Fe 550°C.

FeSn . 4 , 0,5
 ≈20 %

(14,8 % -

Sn(4)-Fe(10))

« », FeSn alpha-Fe(Sn) Fe-Sn -

Fe(10) 550°C Sn(4)- -

FeSn, , -

¹¹⁹Sn ⁵⁷Fe Sn(4)-Fe(10) -

Fe(Sn); , FeSn alpha- -

FeSn/alpha-Fe(Sn).

1. Djega-Mariadassou C., Lecocq P. et al // Nuovo Cimento. 1966. Vol.46B. 1. P.35.
2. Kulshreshtha S.K., Raj P. // J. Phys. F: Metal Phys. 1981. Vol.11. P.281.