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 « - 11: ».- 2015.- .1, .2. - .287-288

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 • • , • •  
 Bi-Sr-Ca-Cu-O

( ),  
 ,  
 , [1].  
 Bi-Pb-Sr-Ca-Cu-O,

Bi(Pb)<sub>2</sub>Sr<sub>2</sub>Ca<sub>n-1</sub>Cu<sub>n</sub>O<sub>y</sub> (n = 1, 2, 3)  
 ( ), , 35 , 90  
 110 [1]. Bi(Pb)<sub>2</sub>Sr<sub>2</sub>Ca<sub>3</sub>Cu<sub>4</sub>O<sub>y</sub> (2234),  
 = 142 ,

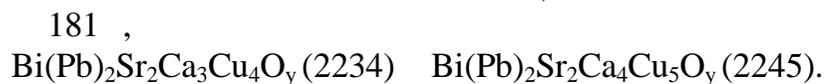
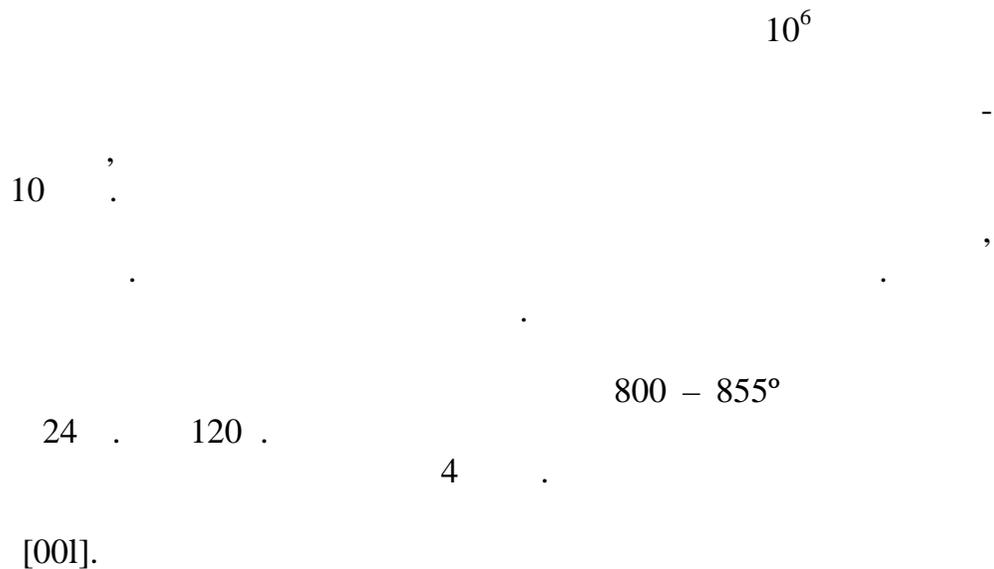
- 90 (2212) 110 (2223).

(J<sub>c</sub>) (T<sub>c</sub>).  
 (J<sub>c</sub>, T<sub>c</sub>)

[2, 3].

[4].

Bi-Pb-Sr-Ca-Cu-O



1. . . . . //
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