

Dating

2020.4.28

5.12

12

“

”

12

“ ”

.....

dating

1996

46

~65

1896 5
Becquerel

. .

Antoine Henri



20

25-30

2

2 -

$t_0 > t_1 > t_2 > t_3$

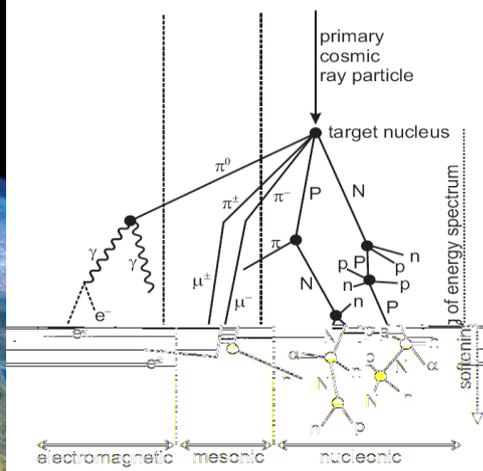
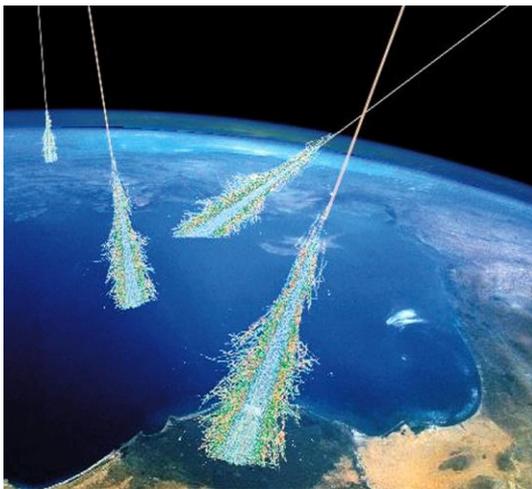
3

30-20 km

a - b
~15Ma

4

^{26}Al ^{36}Cl ^3He ^{21}Ne ^{10}Be ^{14}C



4

Simpson and Fagot, 1953

90,000,000

1

1

30

$$90,000,000 \div 100 \div 30 = 30,000$$

5

GPS

30kyr kyr

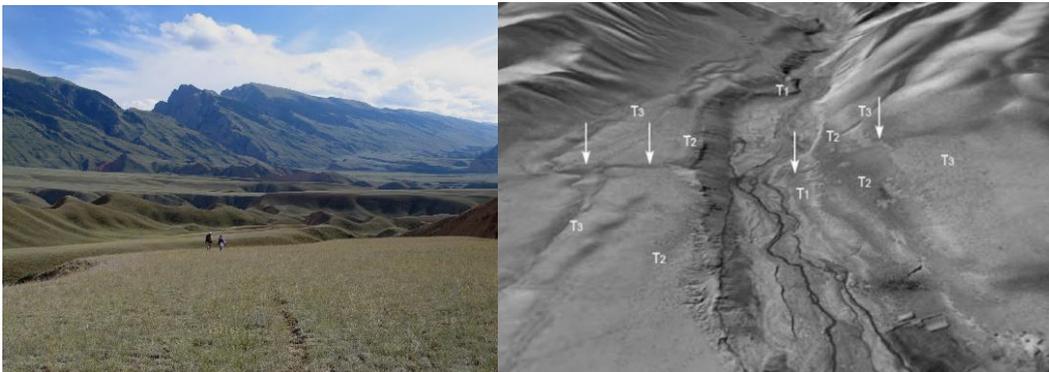
150

30kyr

$$150 \div 30 = 5.0 \text{ mm/yr}$$

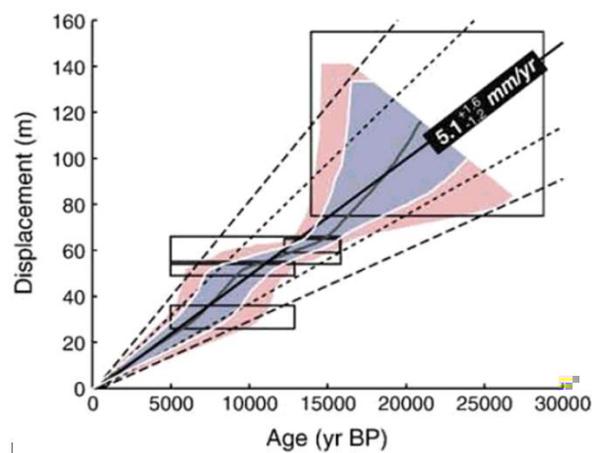
6

1 50mm



5

Zhang et al., 2007



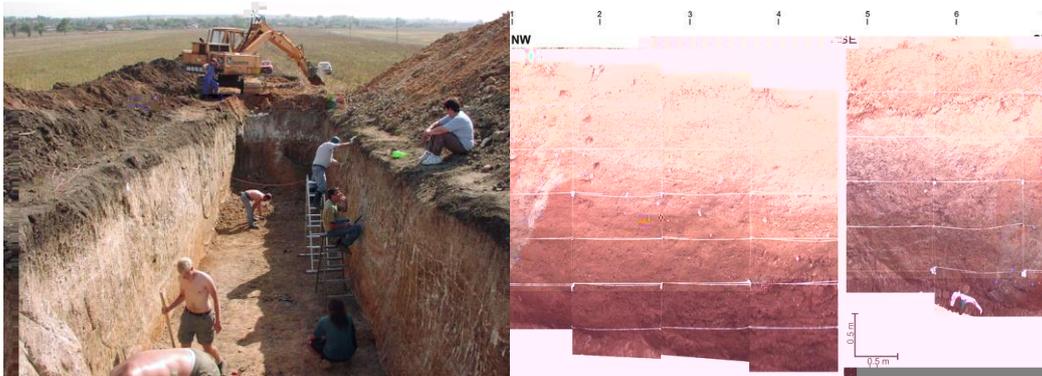


7

8

OSL ^{14}C

9



8

1
2
3