

④ 100 $\xrightarrow{①}$ 50 $\xrightarrow{②}$ 25 $\xrightarrow{③}$ 12.5 $\xrightarrow{④}$ 6.25

4 half lives

them

May 23-9:28 AM

② 16g ^{16}N

HL 1 ↓

HL 2 ↓

HL 3 ↓

8

4

2

$\frac{21.6 \text{ sec}}{7.13 \text{ sec}} = \boxed{3}$

May 23-9:40 AM

Split things by shoot particles at a target nucleus.

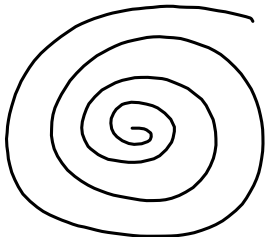
Accelerator



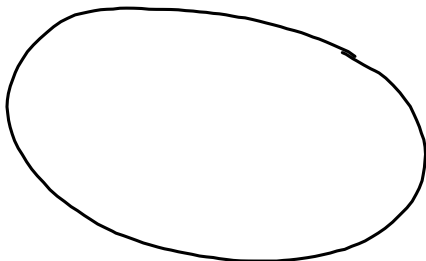
Linear acceleration

May 23-9:43 AM

Linear



Cyclotron



Synchrotron

May 23-9:48 AM

