

新刊 藤原. Nov. 8, 1955 (1)

$\tau^+ \rightarrow 2\pi^+ + \pi^-$  Dalitz  $0^- (1^+)$  -  $2^+$   $3^- \dots$   $\left. \begin{matrix} 1.0 \pm 0.7 \\ -0.3 \end{matrix} \right\} \text{sec}$   
 $\tau^+ \rightarrow \pi^+ + 2\pi^0$   
 $K_{\mu 2} K_{\mu}^+ \rightarrow \mu^+ + \nu$   
 $K_{\pi 2} \chi^+ (0^+) \rightarrow \pi^+ + \pi^0$   $0^+, 1^-, 2^+ \dots$   $\left. \begin{matrix} 0.95 \pm 0.14 \cdot 10^{-8} \\ (K_L^+)$  \end{matrix} \right\}  
 $K_{\mu 3} K^+ \rightarrow \mu^+ + ?^0 + ?$   
 $K_{\beta 3} K^+ \rightarrow e^+ + ?^0 + ?^0$   $0.65 \pm 0.45$   
 $0^0 \beta \rightarrow \pi^+ + \pi^-$   $(Q=214 \pm 5 \text{ MeV}) \rightarrow 1.7 \pm 0.7 \cdot 10^{-10}$   $(K_L)$   
 $-0.4$

	$K_L$	$\tau$	$\tau'$
Berkeley	295	29	7
Paris C.R.	48	3	1

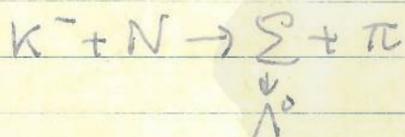
$\chi_{\mu 2} \chi \pi K_{\beta}$   
 $\gamma$  track: 16 7 5 3  
 $m.p. Cl(S): 5^+ 5^- 14$

Nuclear mean free path

$K^+$  (30 ~ 120 MeV)  $3 \times l_{geo}$   
 $K^- \sim l_{geo}$

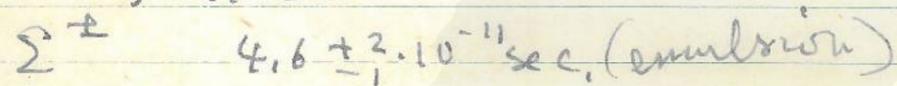
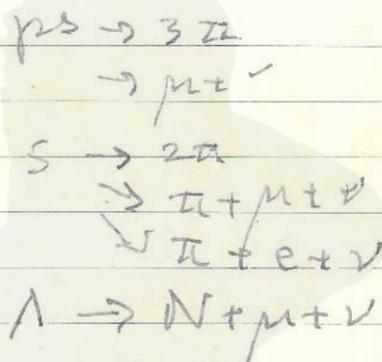
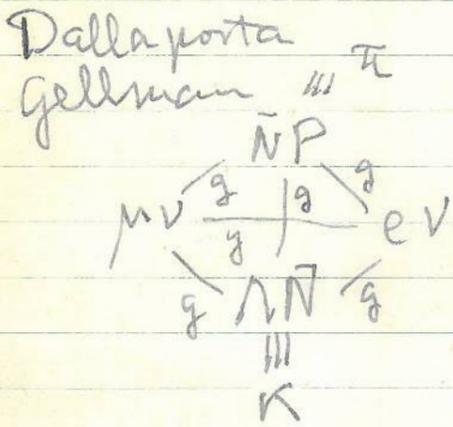
elastic  
 inelastic 16  
 2

$K^-$ -star

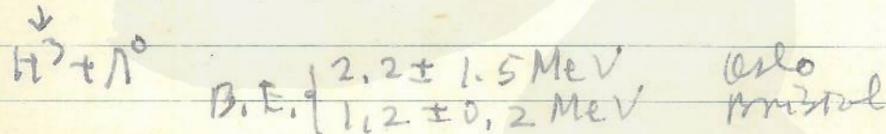
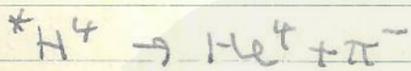
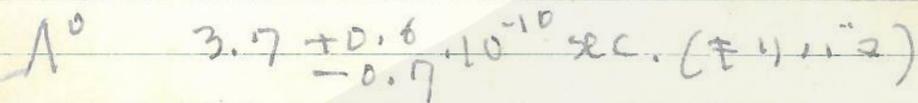


$\Lambda^0 \rightarrow p + \pi + 36.92 \pm 1 \text{ MeV}$   
 $(\tau^0 \rightarrow \pi^+ + \pi^- + \pi^0)$  anomalous  $\Lambda^0$

(2)



( $V^\pm$ )



S

