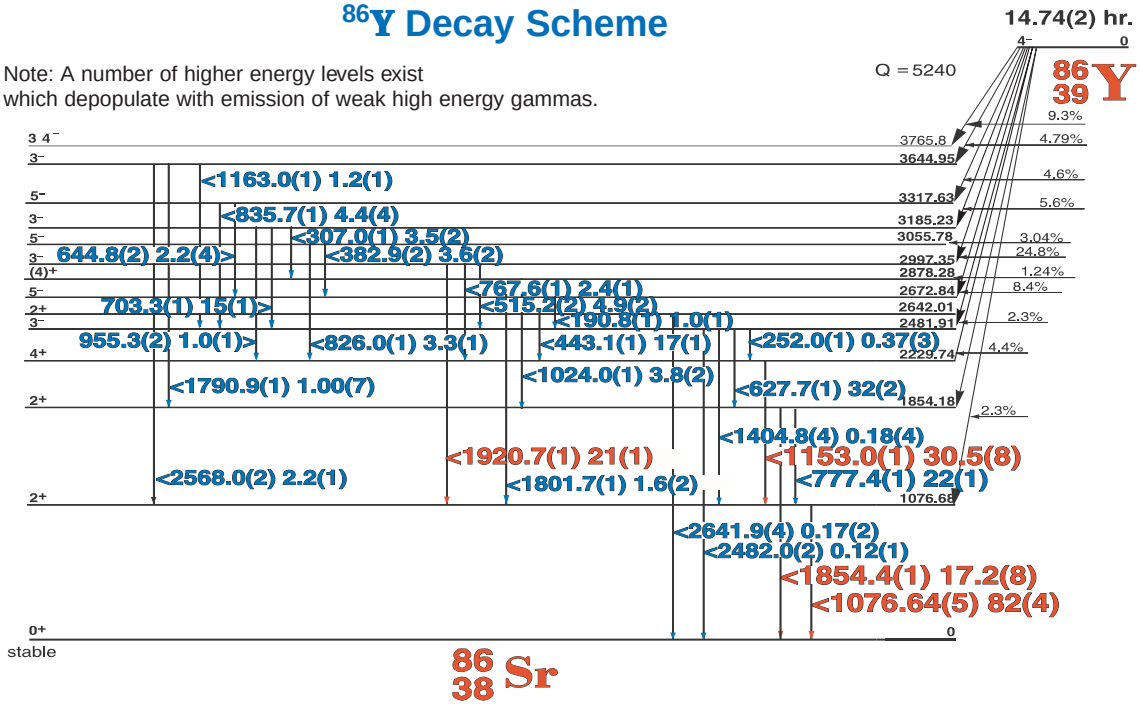
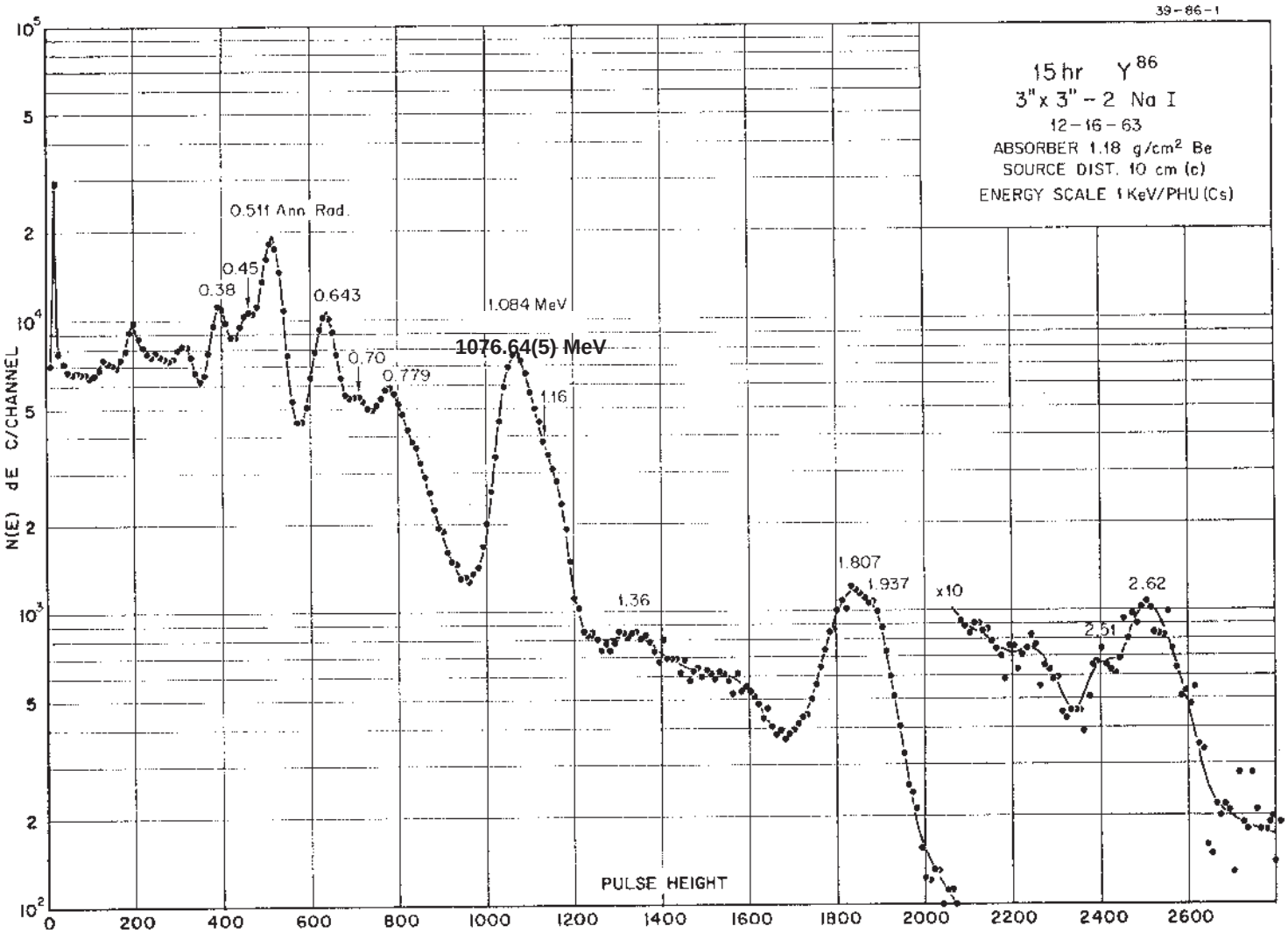
# 14.74(2) hr. $^{86}$Y

## $^{86}$Y Decay Scheme

Note: A number of higher energy levels exist
which depopulate with emission of weak high energy gammas.




Decay Data

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# 14.74(2) hr. $^{86}Y$

## GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide $^{86}$**Y** Half Life 14.74(2) hr.
Detector 3" X 3" NaI-2 Method of Production: $Br^{81}(n,\gamma)$

| $E_\gamma$(KeV)[S] | $\Delta E_\gamma$ | $I_\gamma$(rel) | $I_\gamma$(%)[E] | $\Delta I_\gamma$ | S |
|---|---|---|---|---|---|
| 383.02 | ± 0.05 | | 3.63 | ± 0.3 | 2 |
| 443.14 | ± 0.05 | | 16.9 | ± 0.9 | 2 |
| ann. rad. 511.006 | | | | | 1 |
| 644.8 | ± 0.06 | | 2.2 | ± 0.1 | 3 |
| 627.72 | ± 0.05 | | 32.6 | ± 0.9 | 1 |
| 703.34 | ± 0.06 | | 15.4 | ± 0.9 | 2 |
| 777.35 | ± 0.05 | | 22.4 | ± 1.0 | 1 |
| 1076.64 | ± 0.05 | 100 | 82 | ± 4 | 1 |
| 1153.01 | ± 0.05 | | 30.5 | ± 1.5 | 1 |
| 1854.38 | ± 0.07 | | 17.2 | ± 1.0 | 1 |
| 1920.72 | ±0.07 | | 21 | ± 1 | 1 |
| 2567.97 | ± 0.1 | | 2.25 | ± 0.1 | 1 |

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