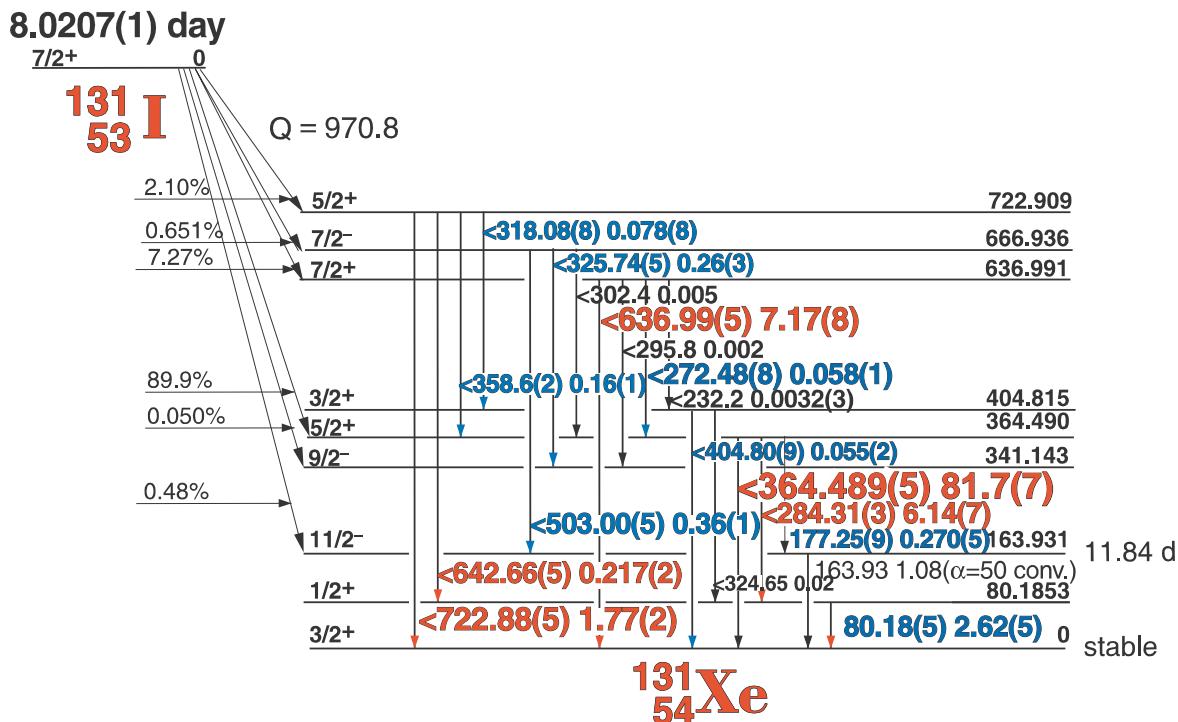


8.0207(1) day ^{131}I



54-131-1

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{131}I
Detector 3" x 3" -2 NaI

Half Life 8.0207(1) day
Method of Production: $^{235}\text{U}(\text{n},\text{f})$

| E_{γ} (KeV)[S] | ΔE_{γ} | I_{γ} (rel) | $I_{\gamma}(\%)$ [E] | ΔI_{γ} | S |
|-----------------------|-------------------------------|--------------------|----------------------|------------------------------|----------|
| 80.18 | ± 0.05 | 2.8 | 2.52 | ± 0.5 | 2 |
| 177.25 | ± 0.09 | 0.36 | 0.270 | $\pm (5)$ | 4 |
| 272.48 | ± 0.08 | 0.11 | 0.058 | $\pm (1)$ | 4 |
| 284.31 | ± 0.03 | 7.6 | 6.14 | ± 0.07 | 1 |
| 318.08 | ± 0.08 | 0.10 | 0.078 | ± 0.08 | 4 |
| 325.74 | ± 0.05 | 0.34 | 0.26 | ± 0.03 | 4 |
| 358.64 | ± 0.2 | <0.01 | 0.016 | $\pm (2)$ | 5 |
| 364.460 | ± 0.028 | 100 | 81.7 | ± 0.7 | 1 |
| 404.79 | ± 0.09 | 0.07 | 0.055 | $\pm (2)$ | 4 |
| 503.00 | ± 0.05 | 0.46 | 0.35 | ± 0.01 | 2 |
| 636.99 | ± 0.05 | 9.1 | 7.17 | ± 0.08 | 1 |
| 642.66 | ± 0.05 | 0.28 | 0.217 | $\pm (2)$ | 1 |
| 722.88 | ± 0.05 | 2.3 | 1.77 | ± 0.02 | 1 |