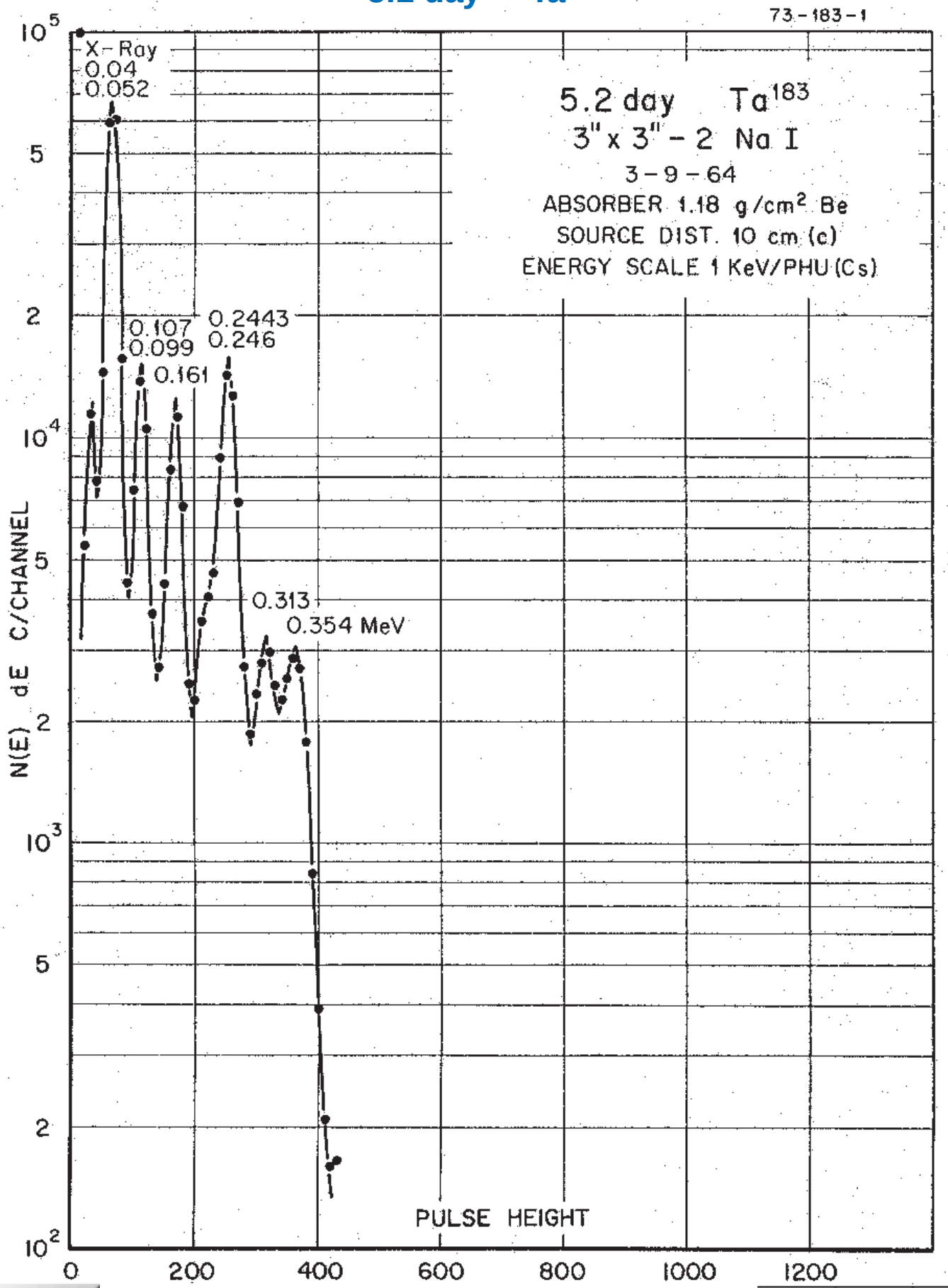
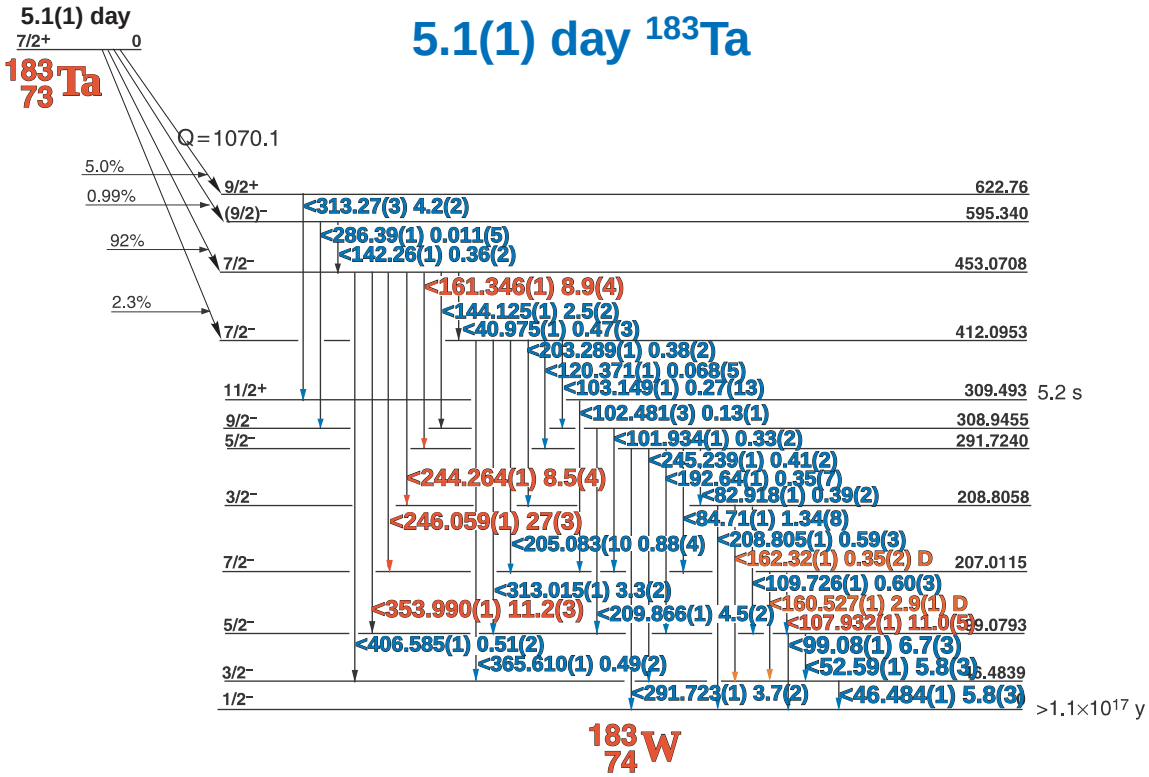
5.1 day ^{183}Ta


73-183-1
5.2 day Ta183
3" x 3" - 2 Na I
3-9-64
ABSORBER 1.18 g/cm2 Be
SOURCE DIST. 10 cm (c)
ENERGY SCALE 1 KeV/PHU (Cs)
X-Ray
0.04
0.052
0.107
0.099
0.161
0.2443
0.246
0.313
0.354 MeV
N(E) dE C/CHANNEL
PULSE HEIGHT
10^5
5
2
10^4
5
2
10^3
5
2
10^2
0
200
400
600
800
1000
1200

5.1(1) day ^{183}Ta



GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide ^{183}Ta — Half Life 5.1(1) day

Detector 3" x 3" NaI — Method of Production: ^{181}Ta(n,γ,n,γ)

E_γ (KeV)	ΔE_γ	I_γ(rel)	I_γ(%)	ΔI_γ	S
W x-rays					
40.975	± 0.001		0.47	± 0.03	4
46.484	**± 0.001**		**5.8**	**± 0.3**	**2**
52.59	**± 0.01**		**5.8**	**± 0.3**	**2**
82.918	± 0.001		0.39	± 0.02	3
84.71	± 0.01		1.34	± 0.08	3
99.08	± 0.01		6.7	± 0.3	3
101.934	± 0.001		0.33	± 0.02	3
103.149	± 0.001		0.27	± 0.1	3
107.932	**± 0.001**		**11.0**	**± 0.5**	**1**
109.726	± 0.001		0.60	± 0.03	3
120.371	± 0.001		0.068	± 0.005	4
142.26	± 0.01		0.36	± 0.02	3
144.125	± 0.01		2.5	± 0.1	3
160.527	**± 0.01**		**2.9**	**± 0.1**	**2**
161.346	**± 0.001**		**8.9**	**± 0.4**	**1**
162,32	± 0.01		0.35	± 0.02	3
192.64	± 0.01		0.35	± 0.07	3
205.083	± 0.001		0.88	± 0.04	3
208.805	± 0.001		0.59	± 0.03	3
209.866	**± 0.001**		**4.5**	**± 0.2**	**2**
244.264	**± 0.001**		**8.5**	**± 0.4**	**1**
246.059	**± 0.001**		**27**	**±1.0**	**1**
291.723	**± 0.001**		**3.7**	**± 0.2**	**2**
313.015	**± 0.001**		**3.3**	**± 0.2**	**2**
313.27	**± 0.03**		**4.2**	**± 0.2**	**2**
353.990	**± 0.001**		**11.2**	**± 0.3**	**1**
365.610	± 0.001		0.49	± 0.02	3
406.585	± 0.001		0.51	± 0.02	3

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