

Program Complot
(Version 2021-1)

by

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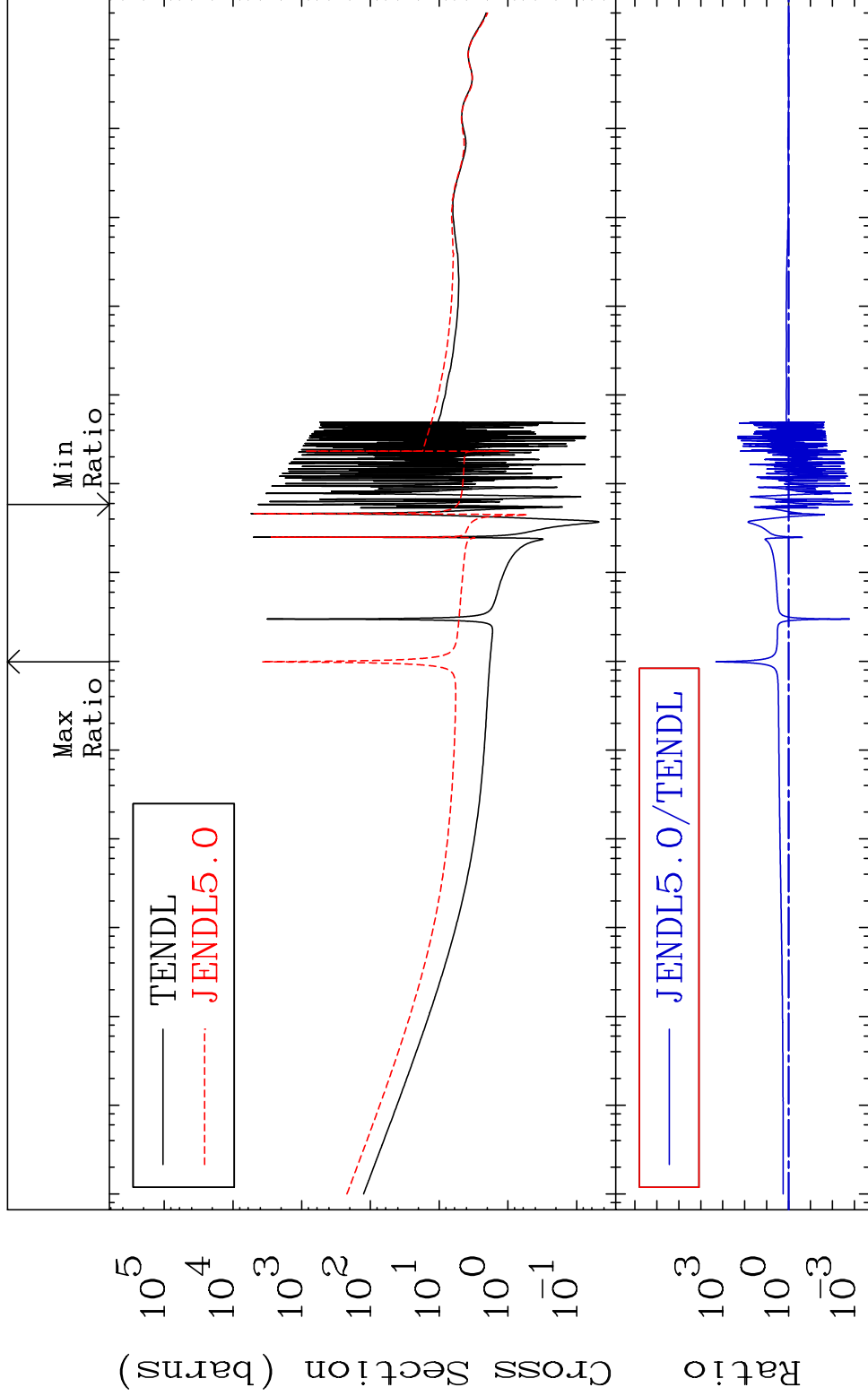
Press Mouse Button to Start

MAT 5431

Total

54-Xe-126

Cross Section -99.87 To 9999. %



10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

1

Incident Energy (eV)

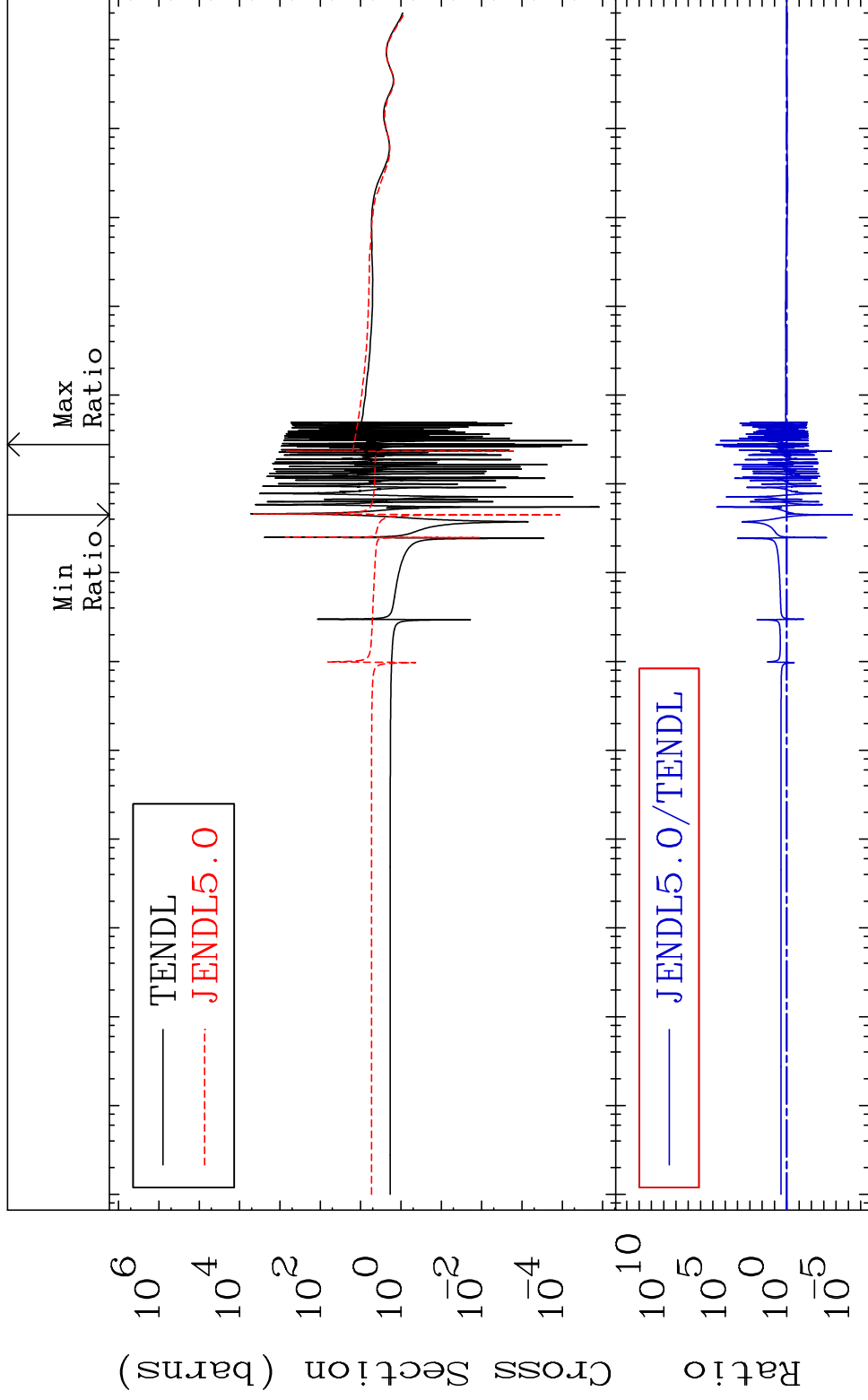
54-Xe-126

MAT 5431

Elastic

54-Xe-126

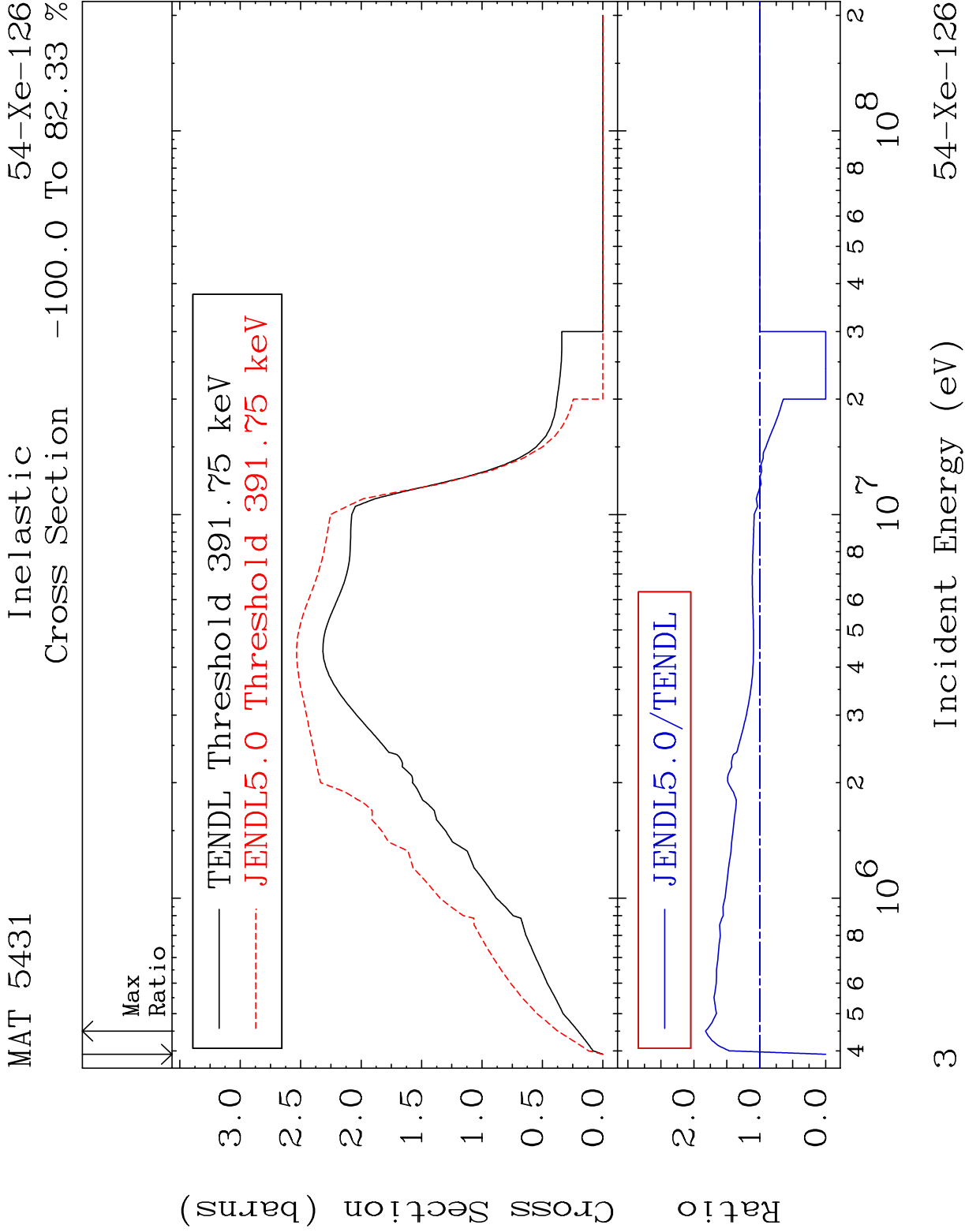
Cross Section -100.0 To 9999. %

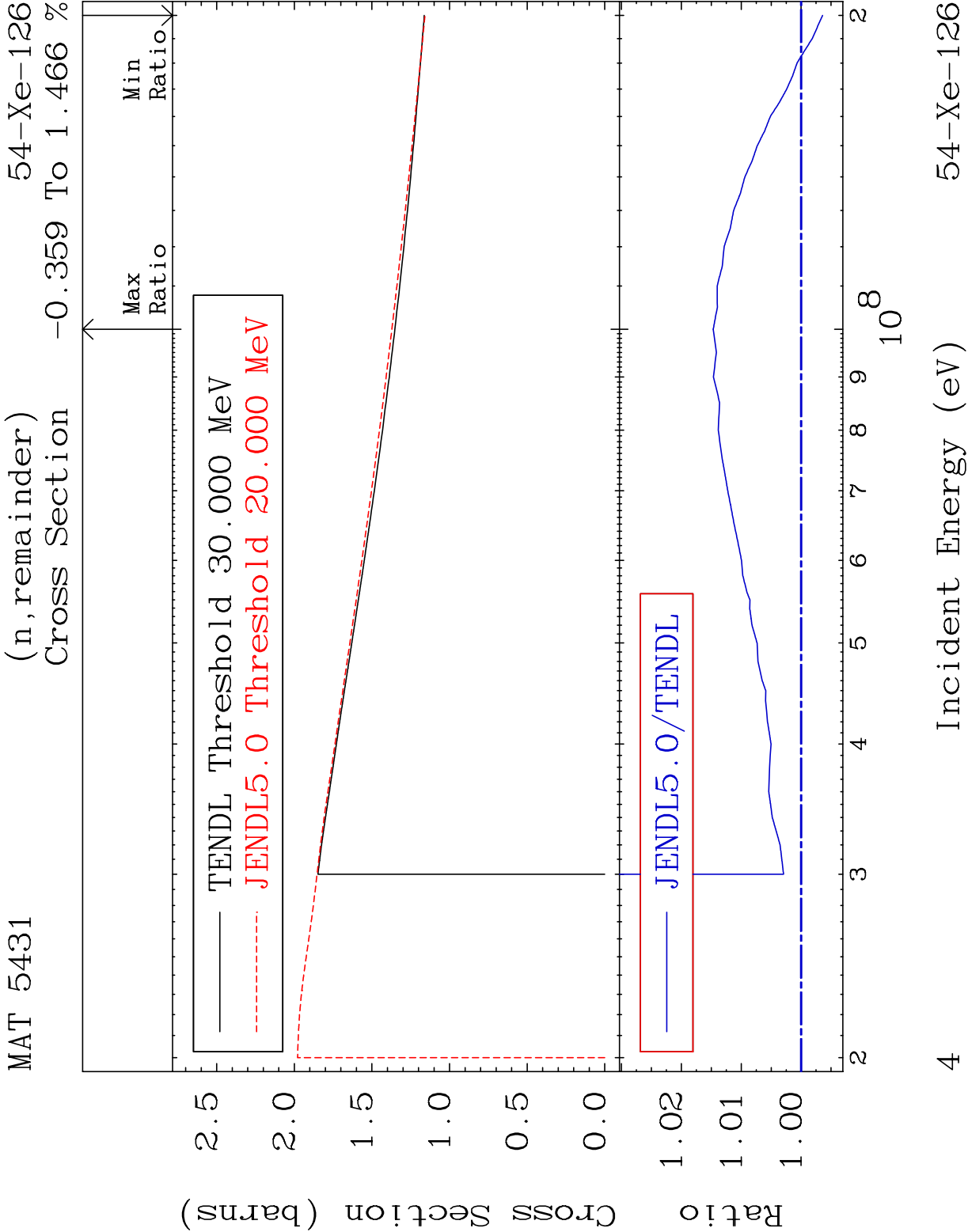


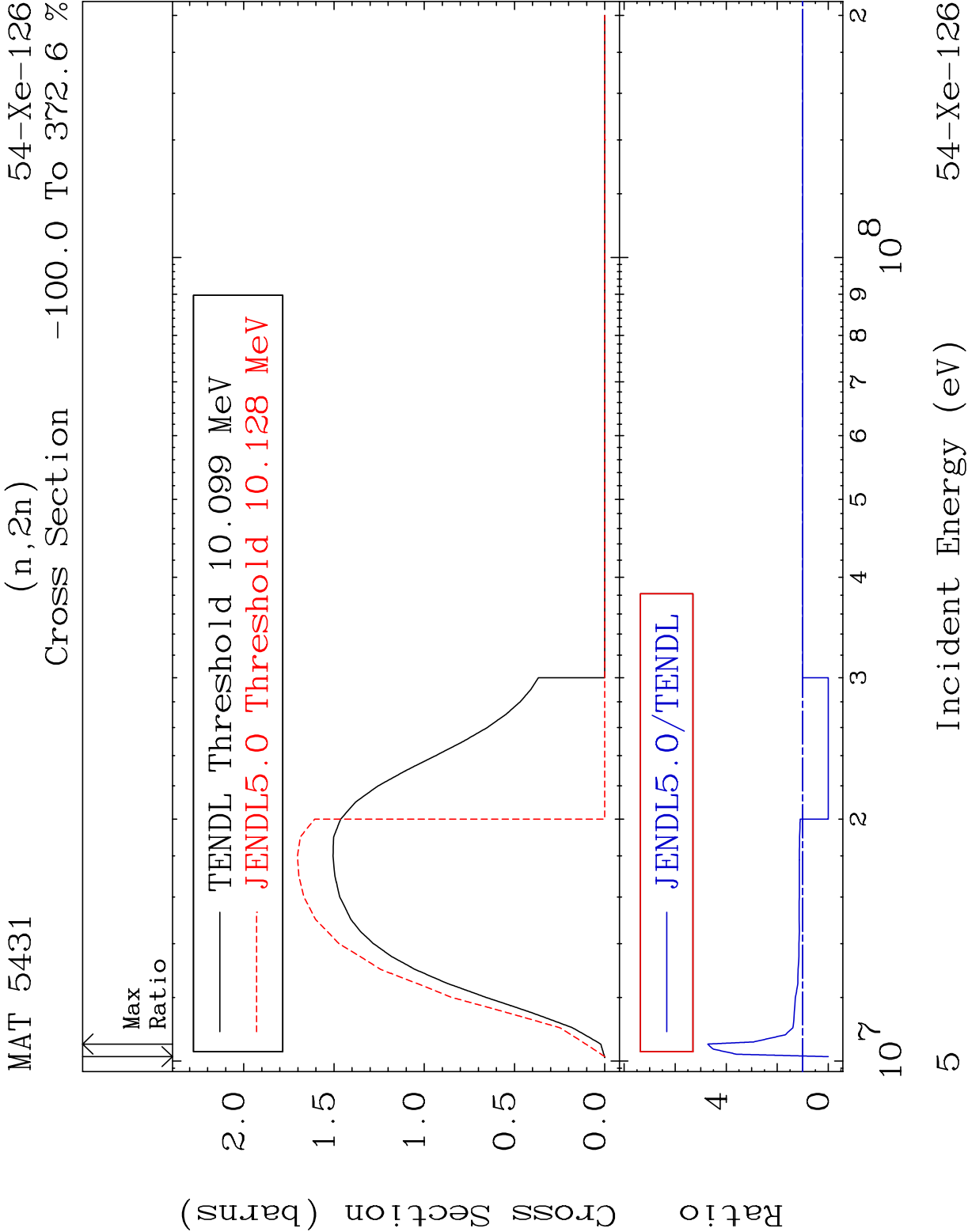
Incident Energy (eV)

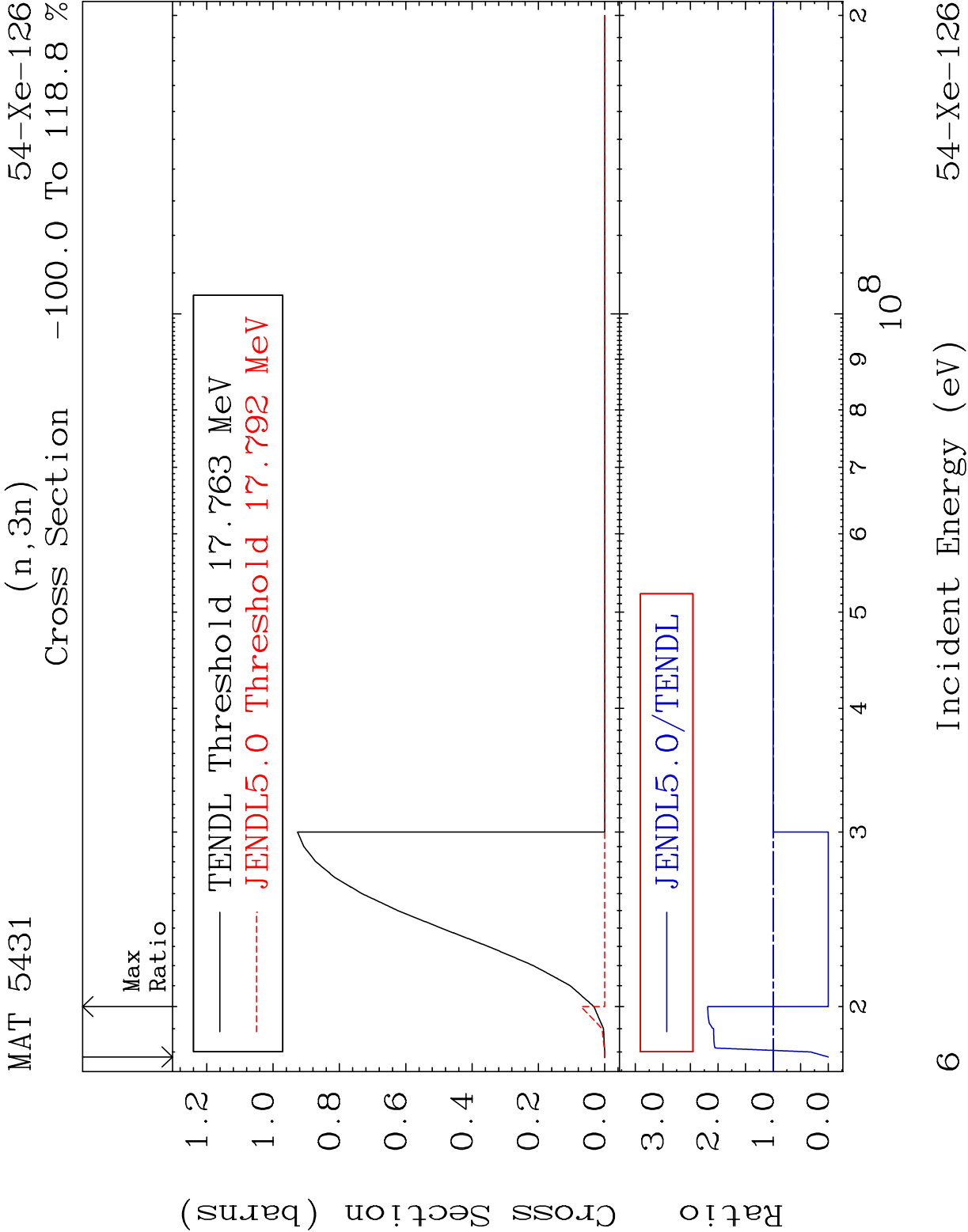
2

54-Xe-126







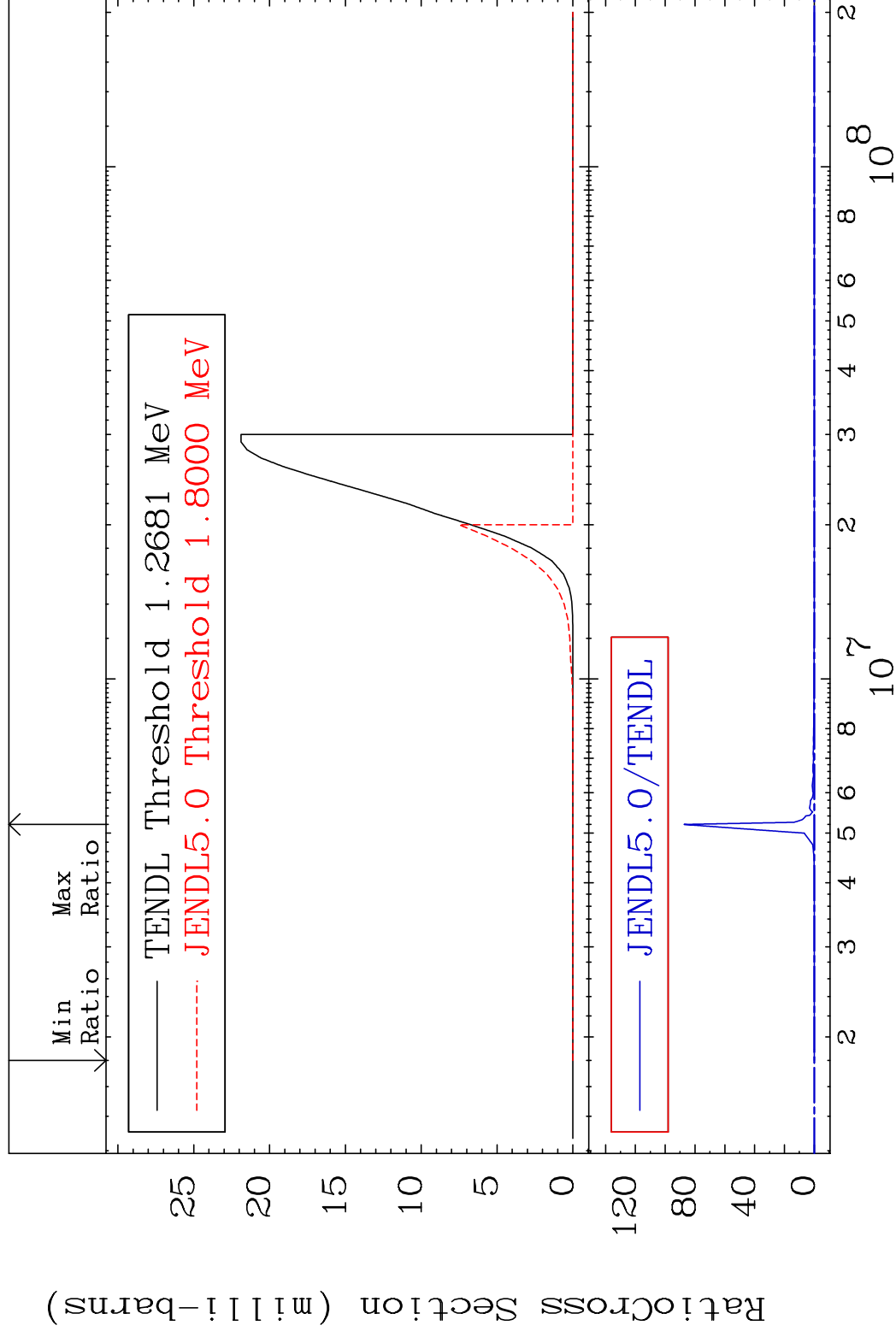


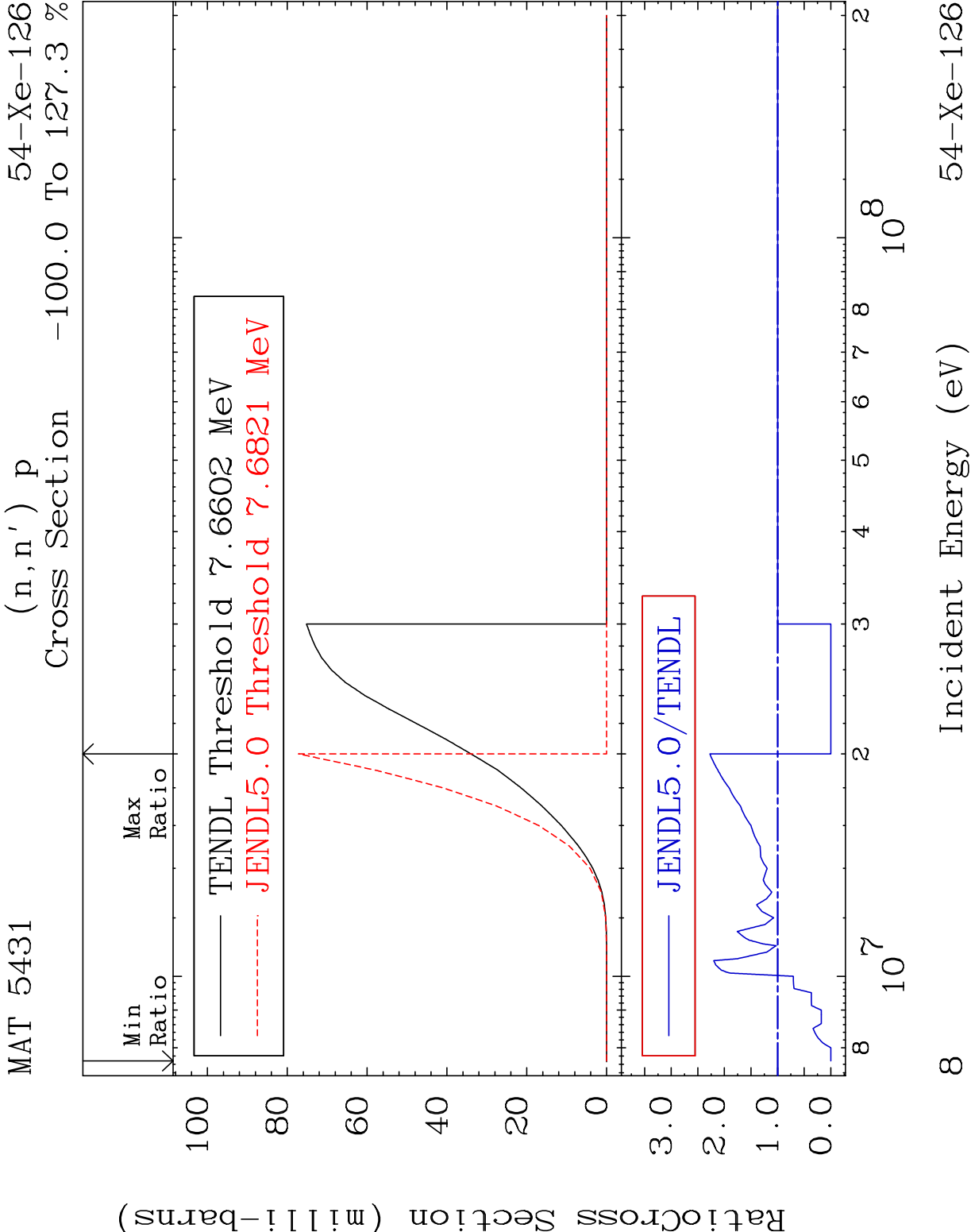
MAT 5431

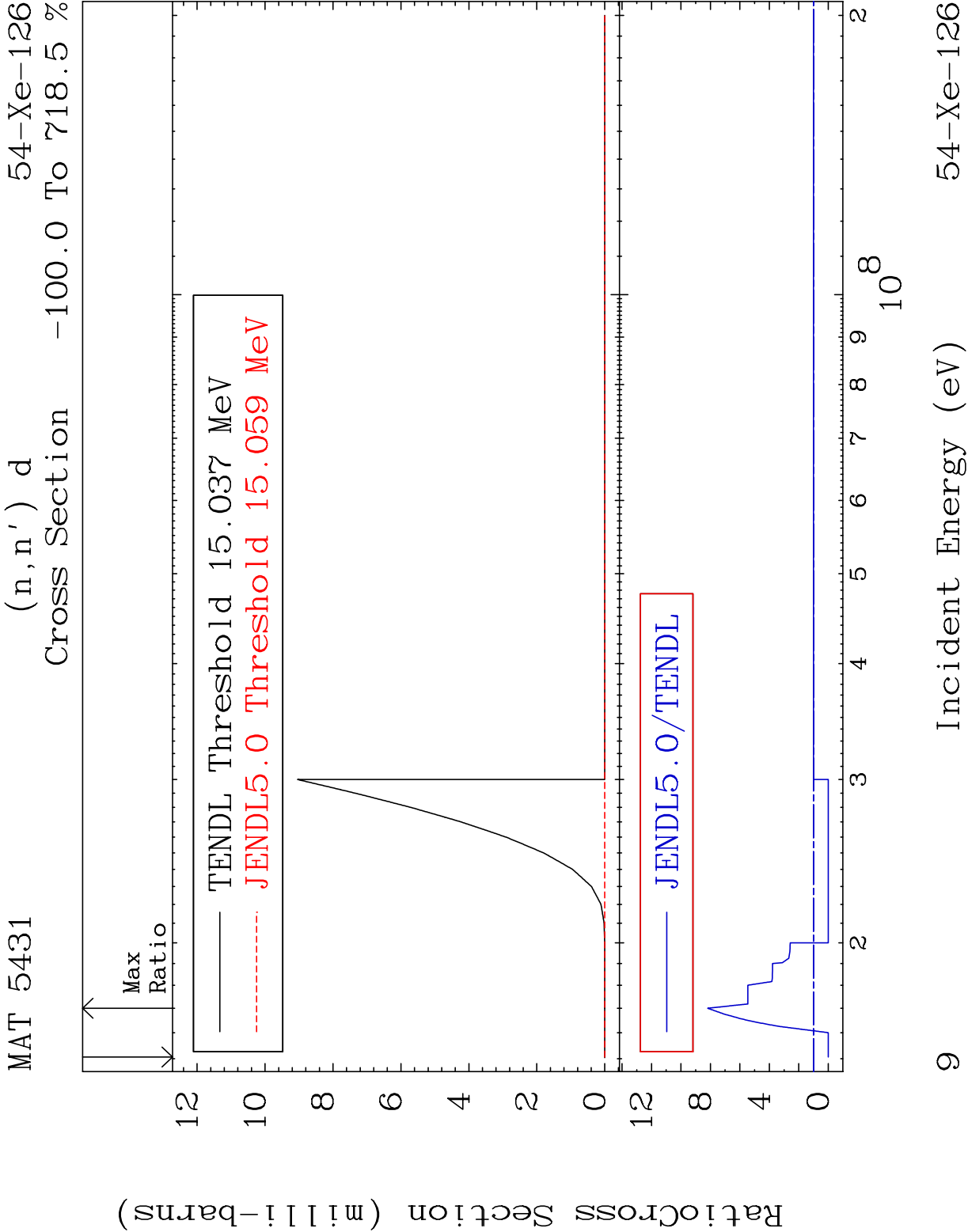
$$(n, n') \propto$$

54-Xe-126

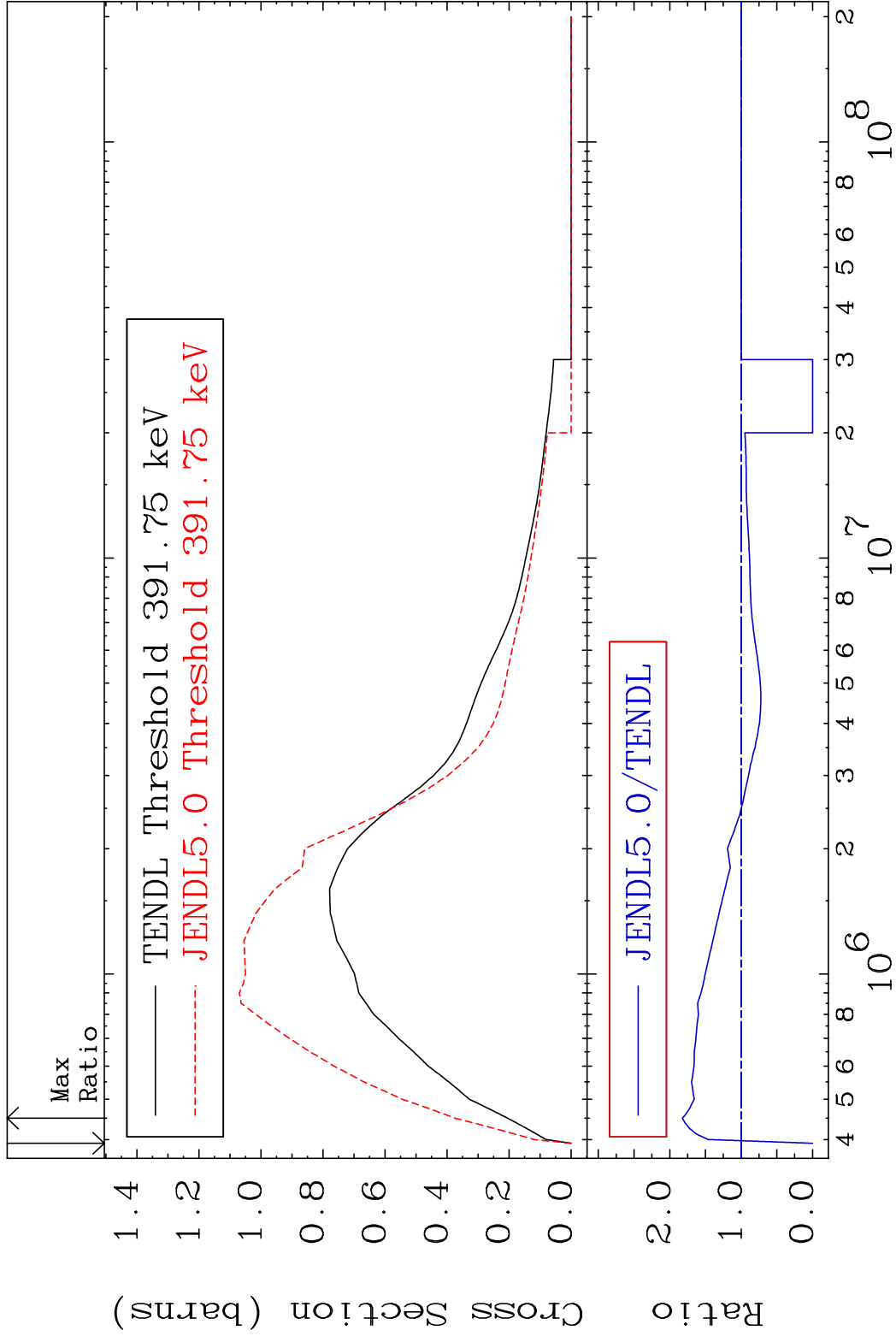
Cross Section -100.0 To 9999. %



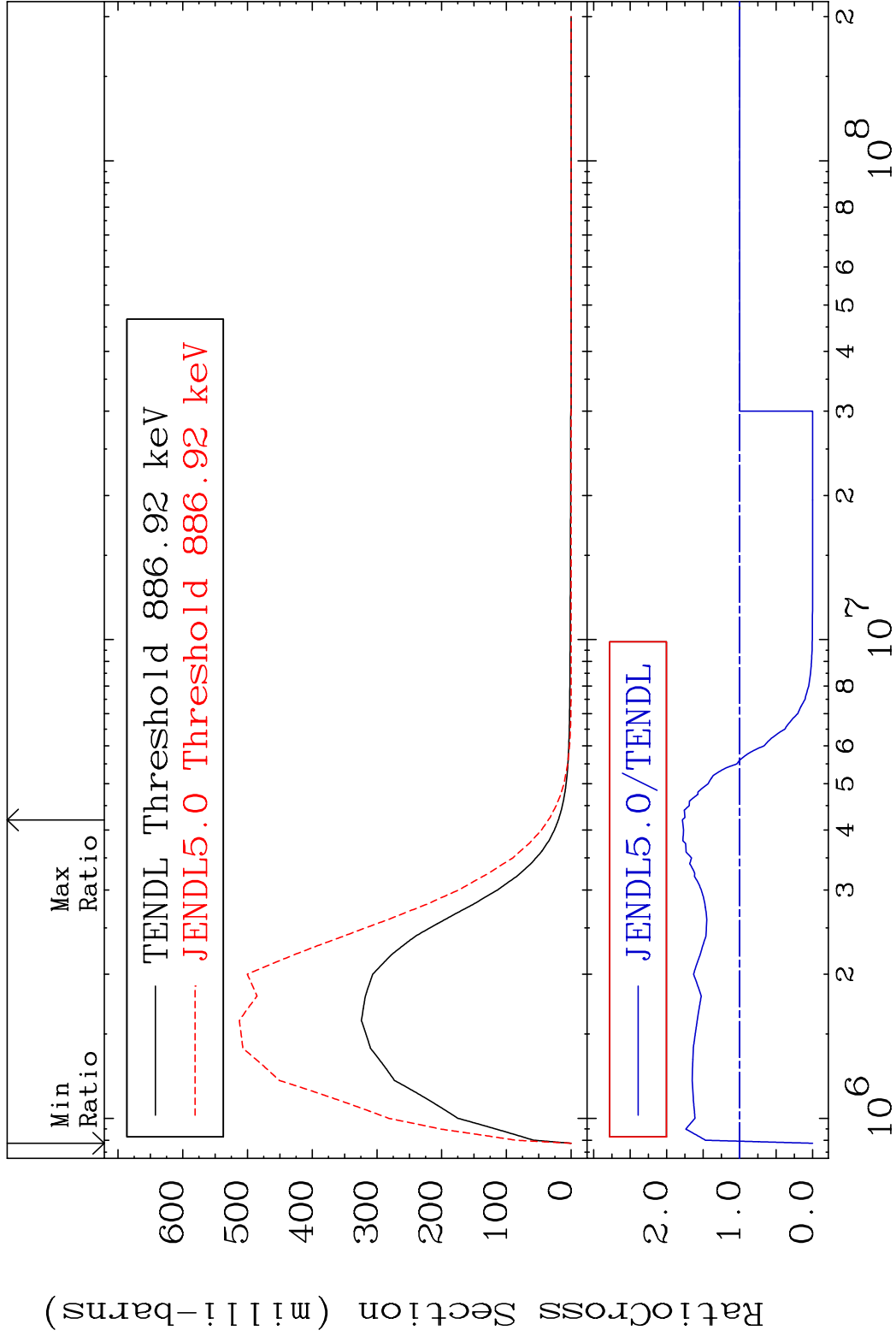


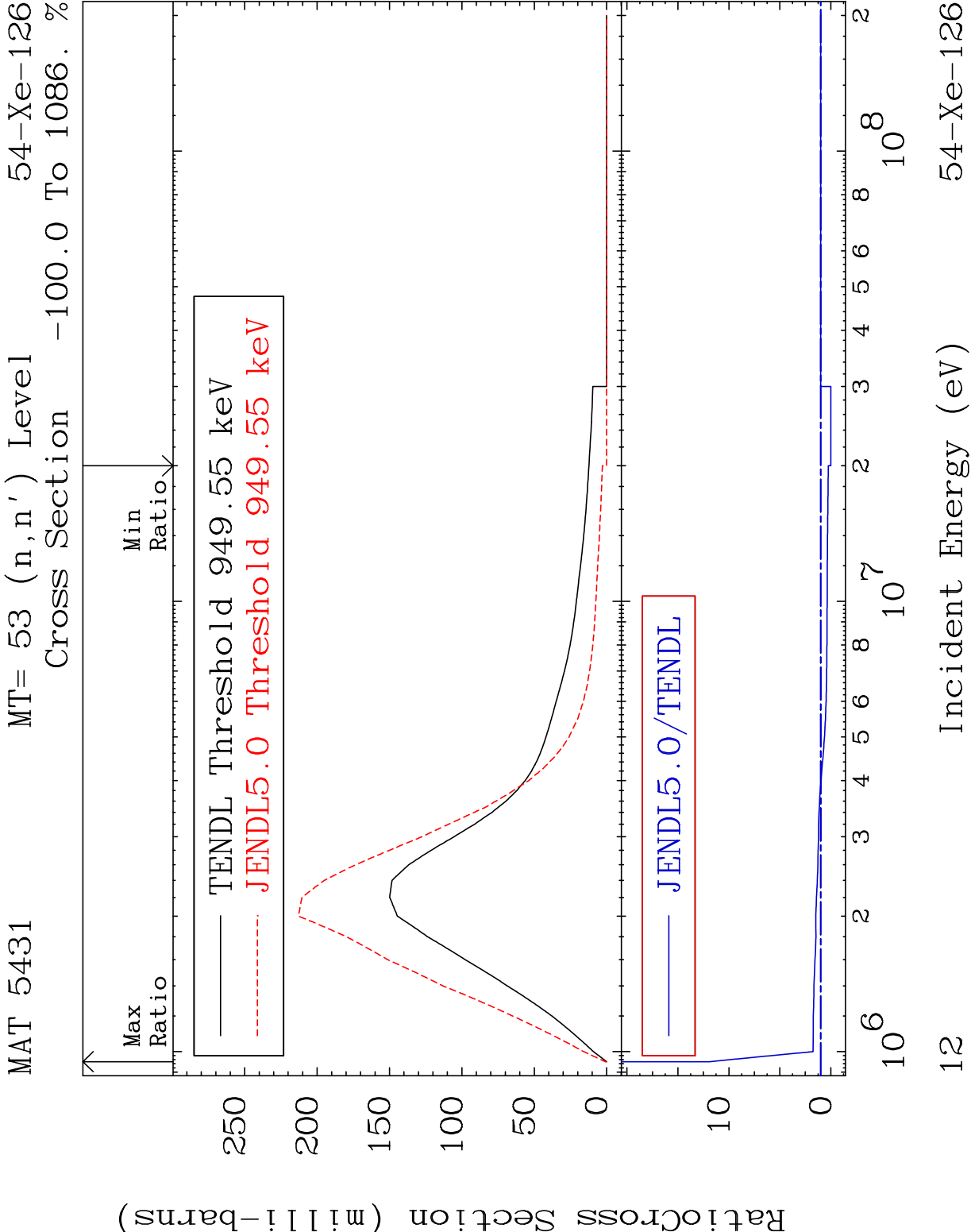


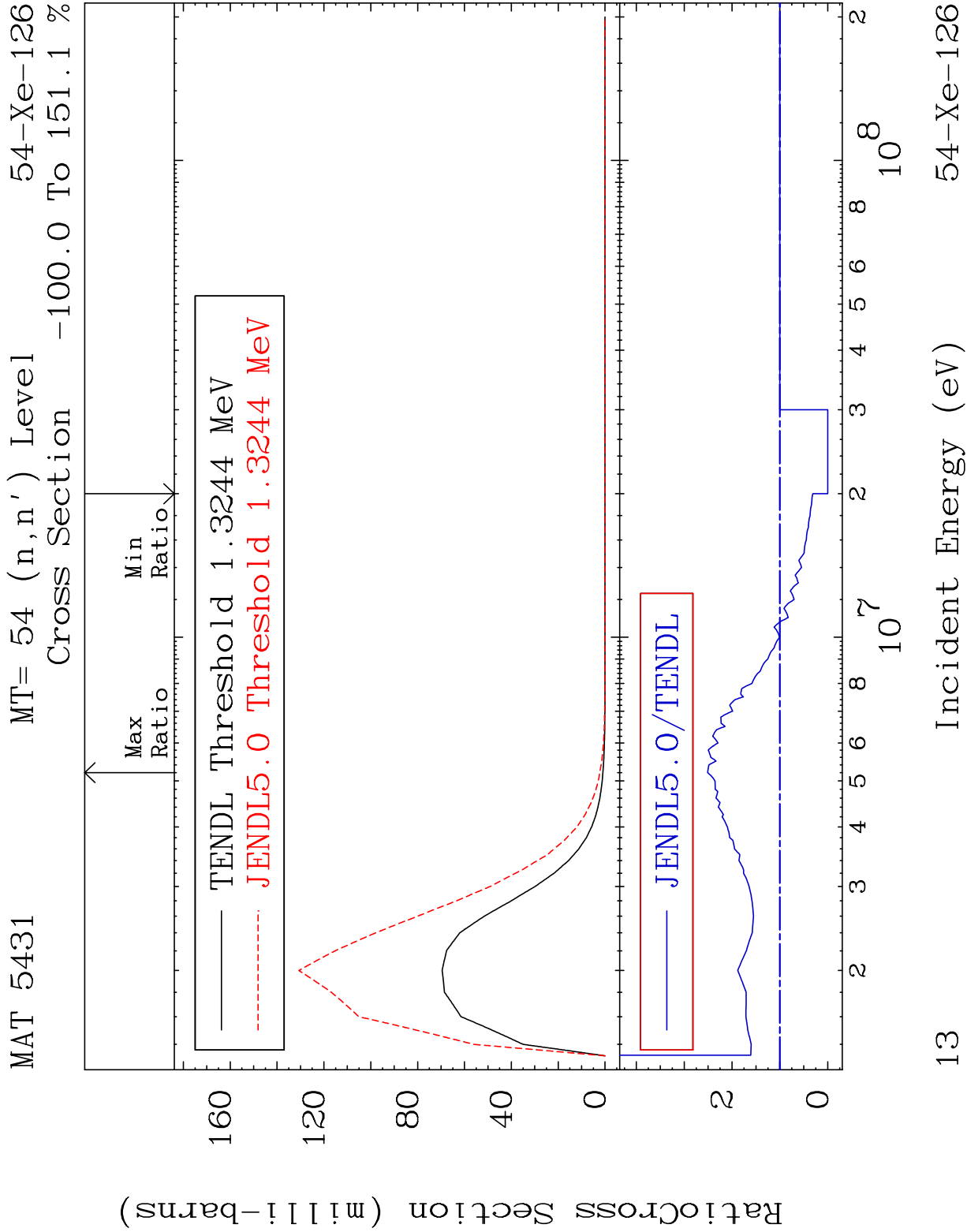
MAT 5431 MT= 51 (n,n') Level 54-Xe-126
Cross Section -100.0 To 82.33 %

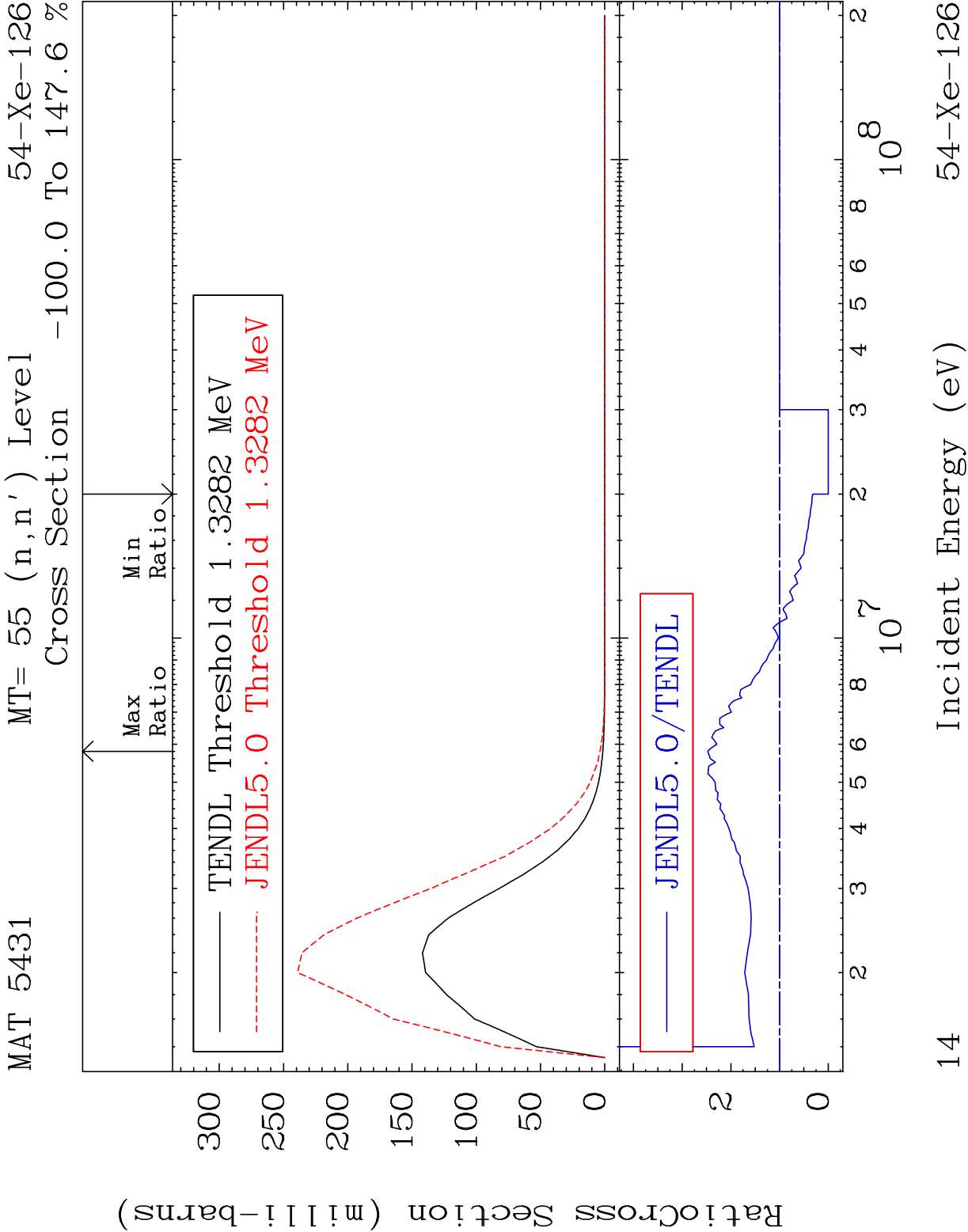


MAT 5431 MT= 52 (n,n') Level 54-Xe-126
Cross Section -100.0 To 78.55 %

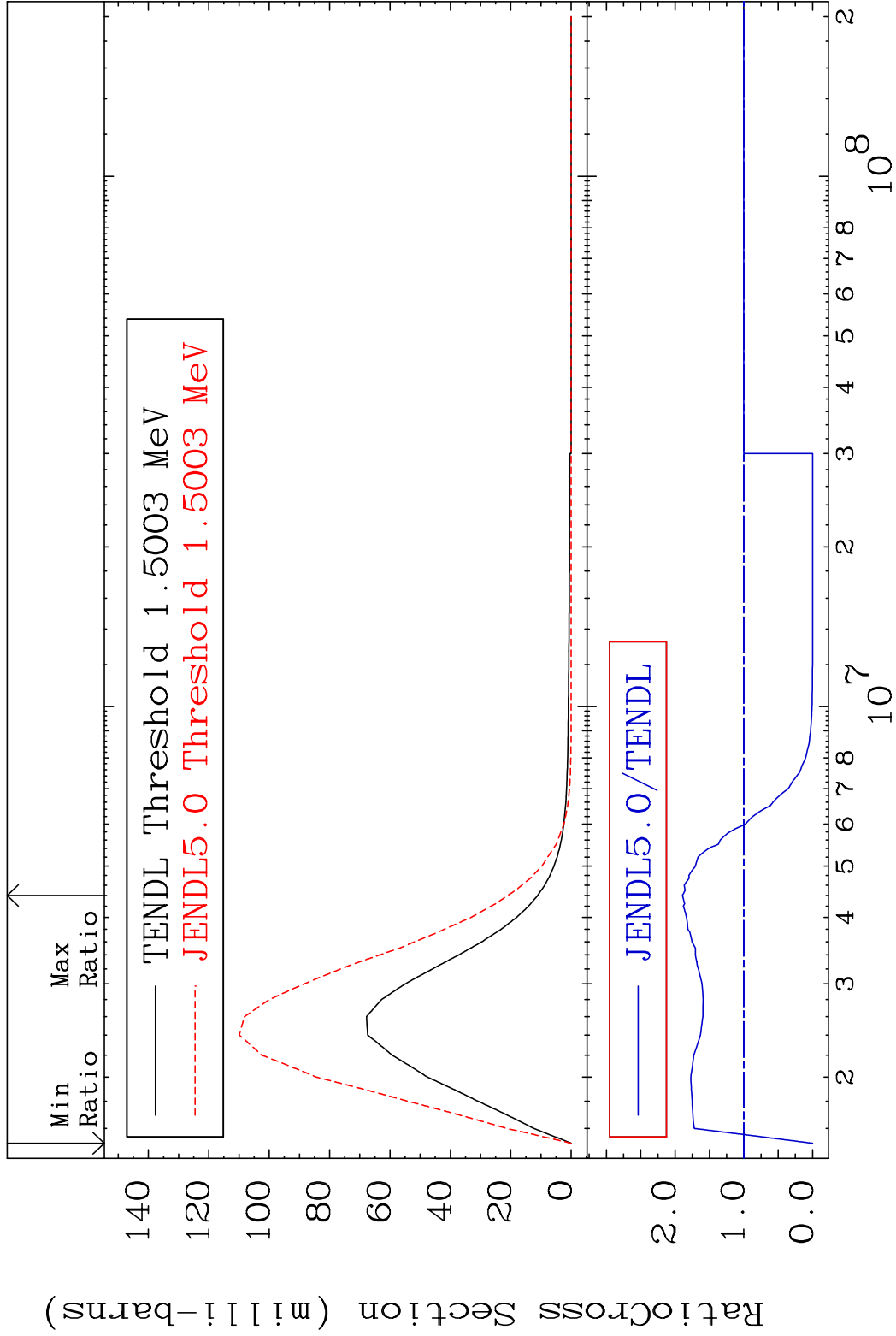




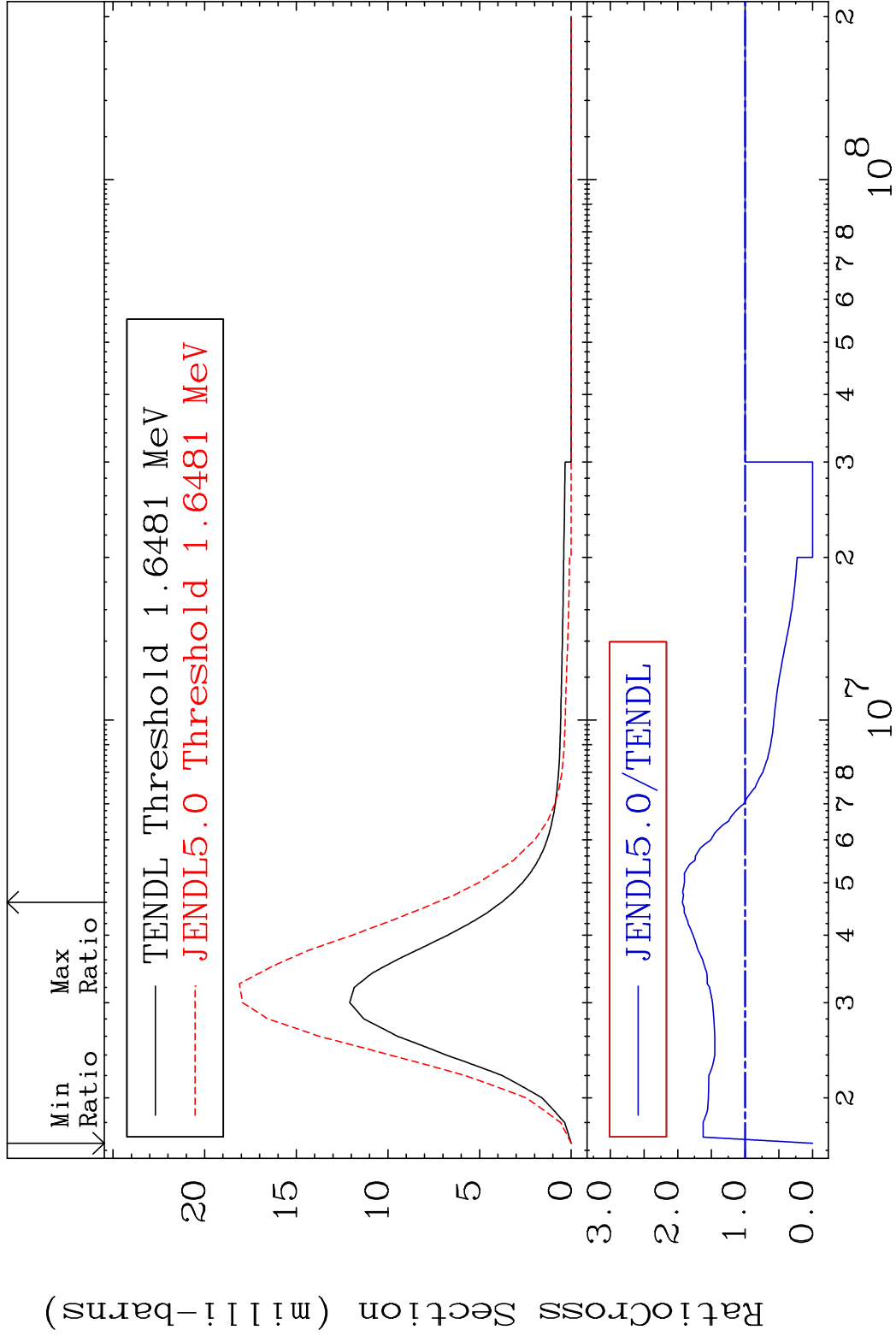




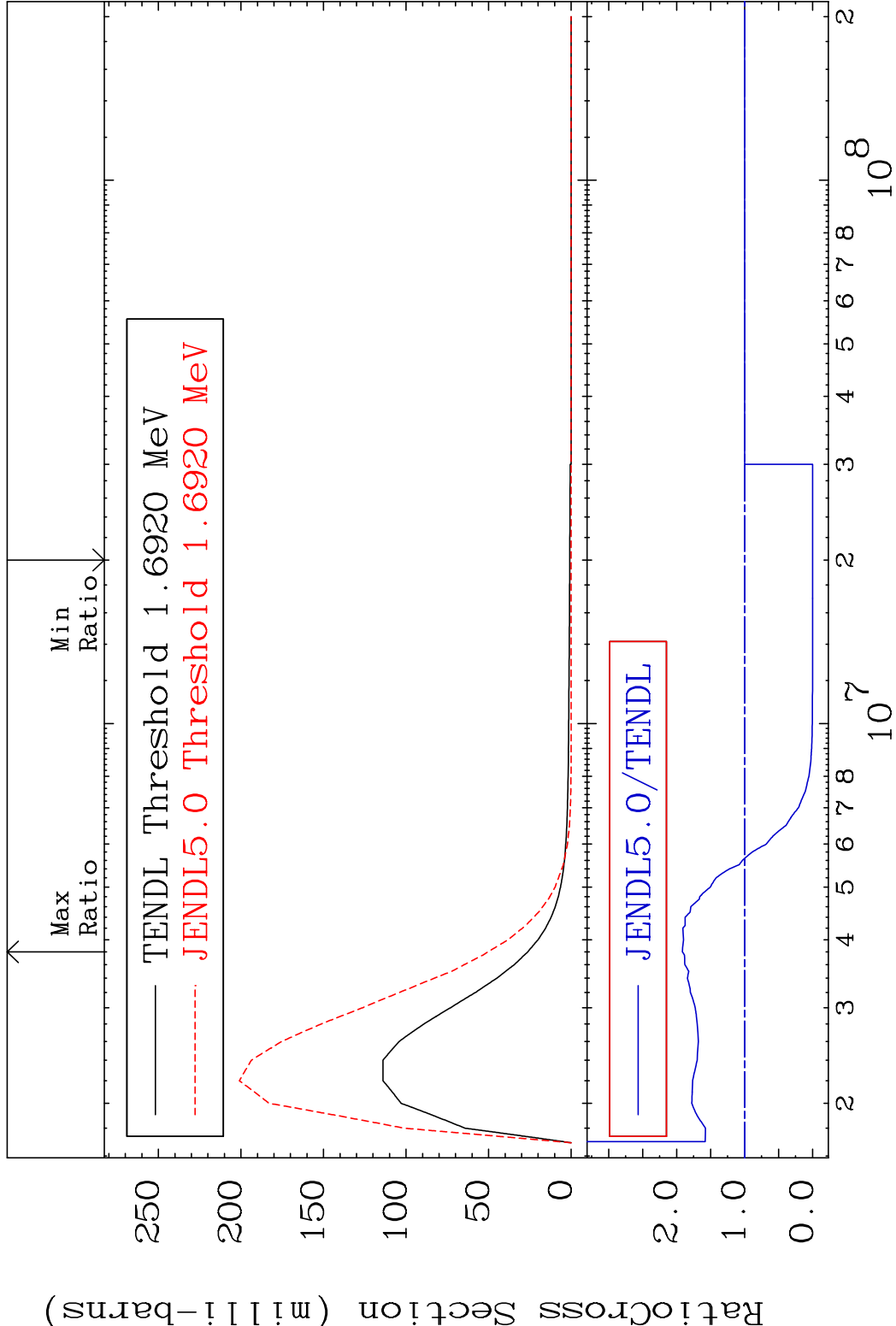
MAT 5431 MT= 56 (n,n') Level 54-Xe-126
Cross Section -100.0 To 89.42 %

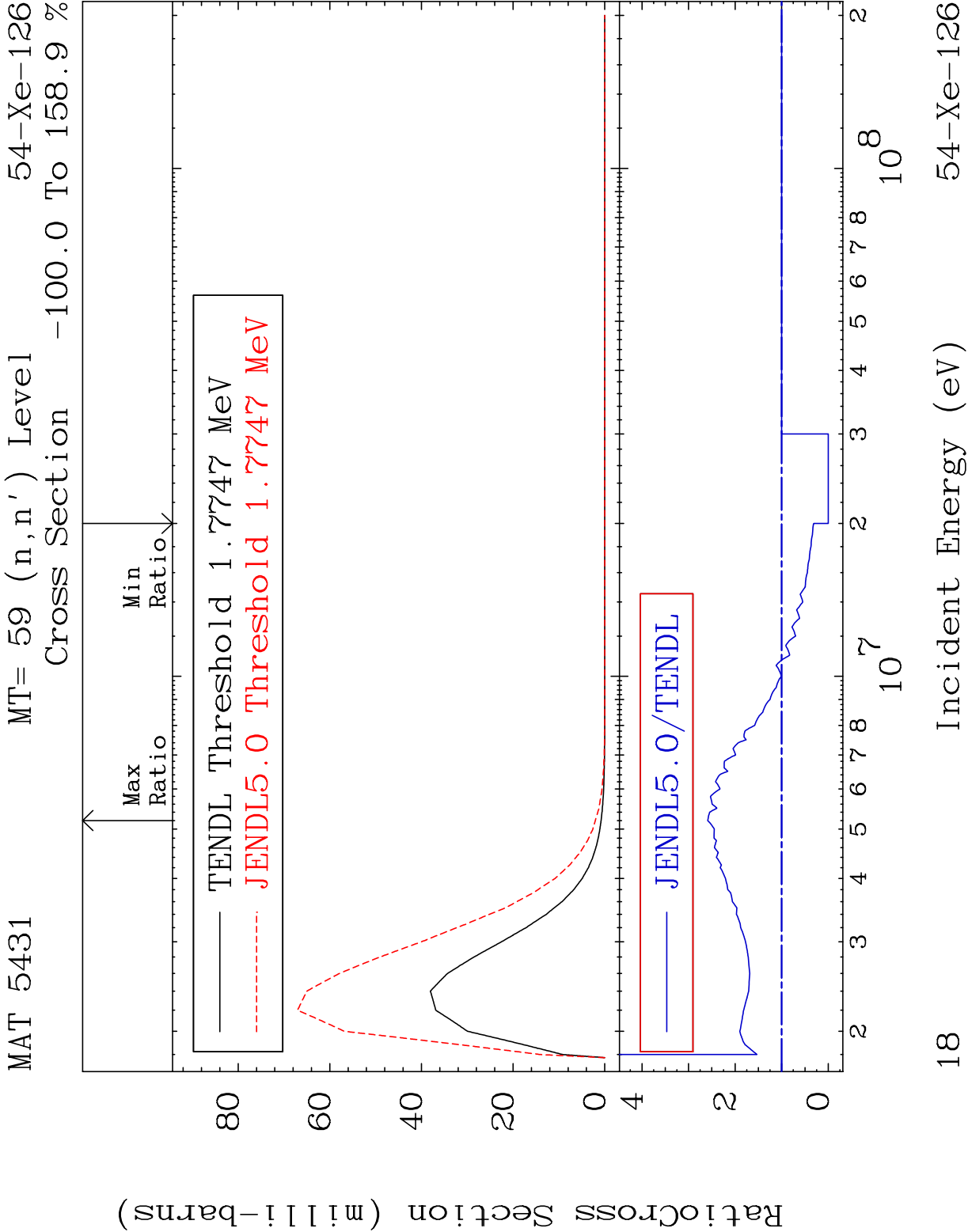


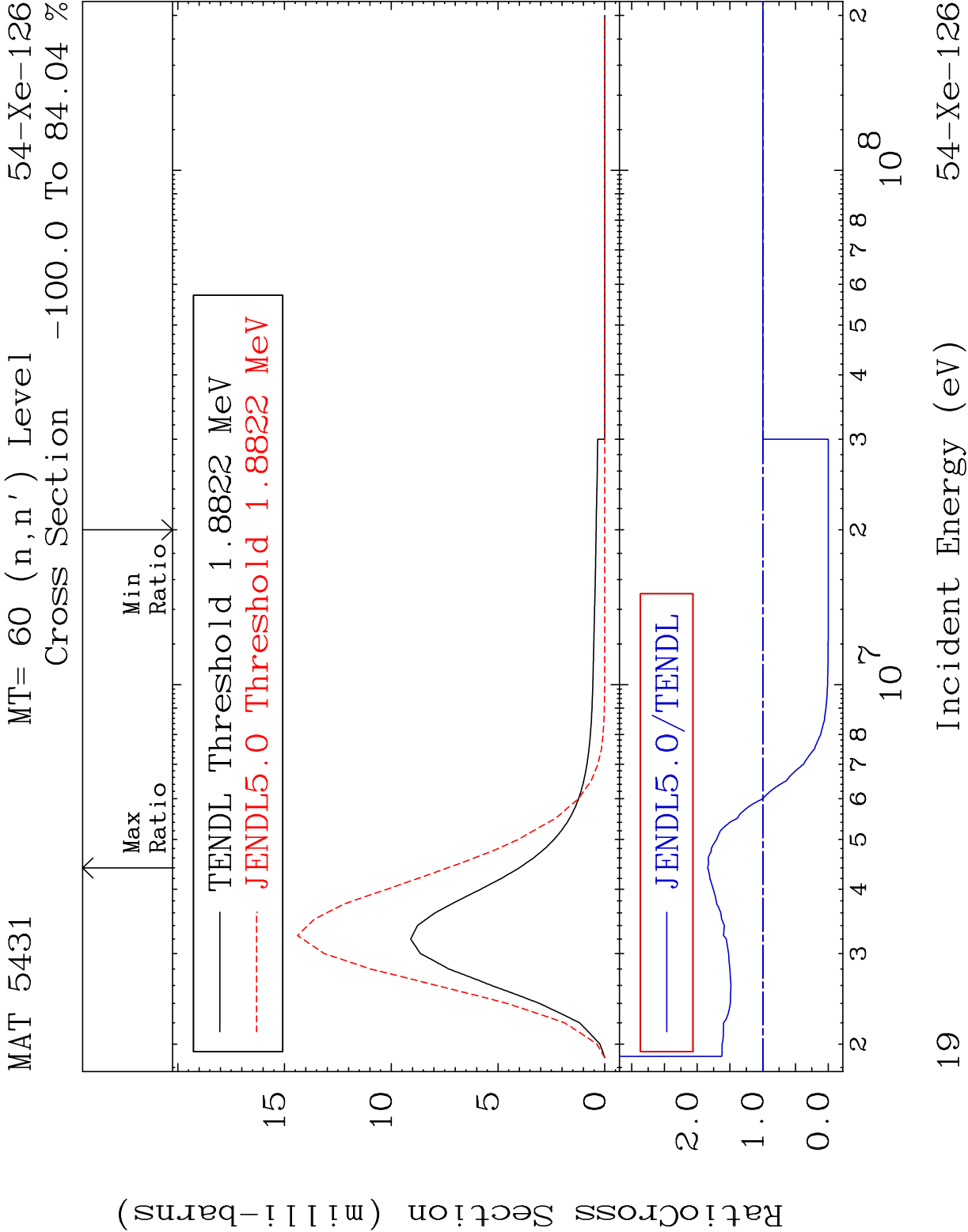
MAT 5431 MT= 57 (n,n') Level 54-Xe-126
Cross Section -100.0 To 93.12 %

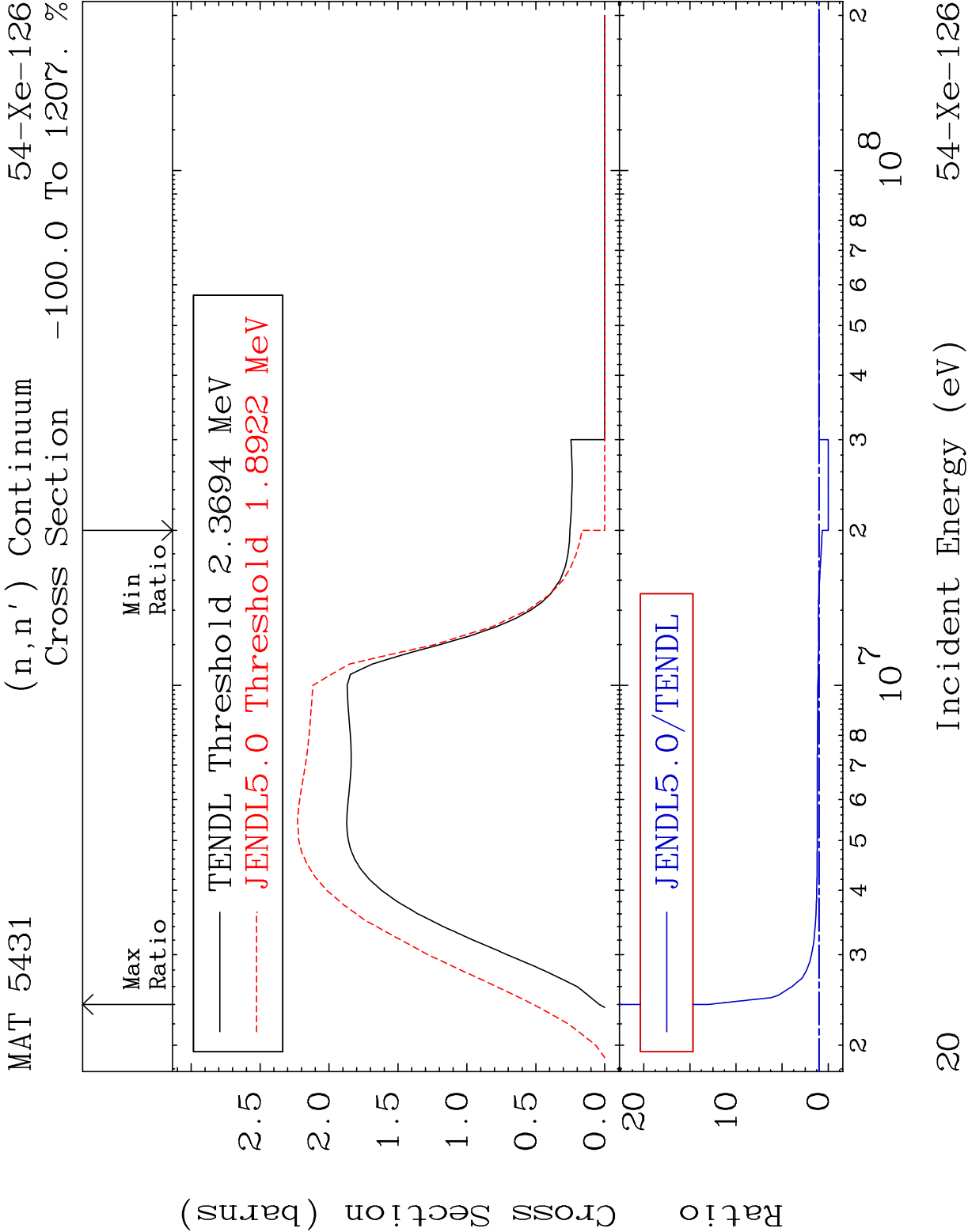


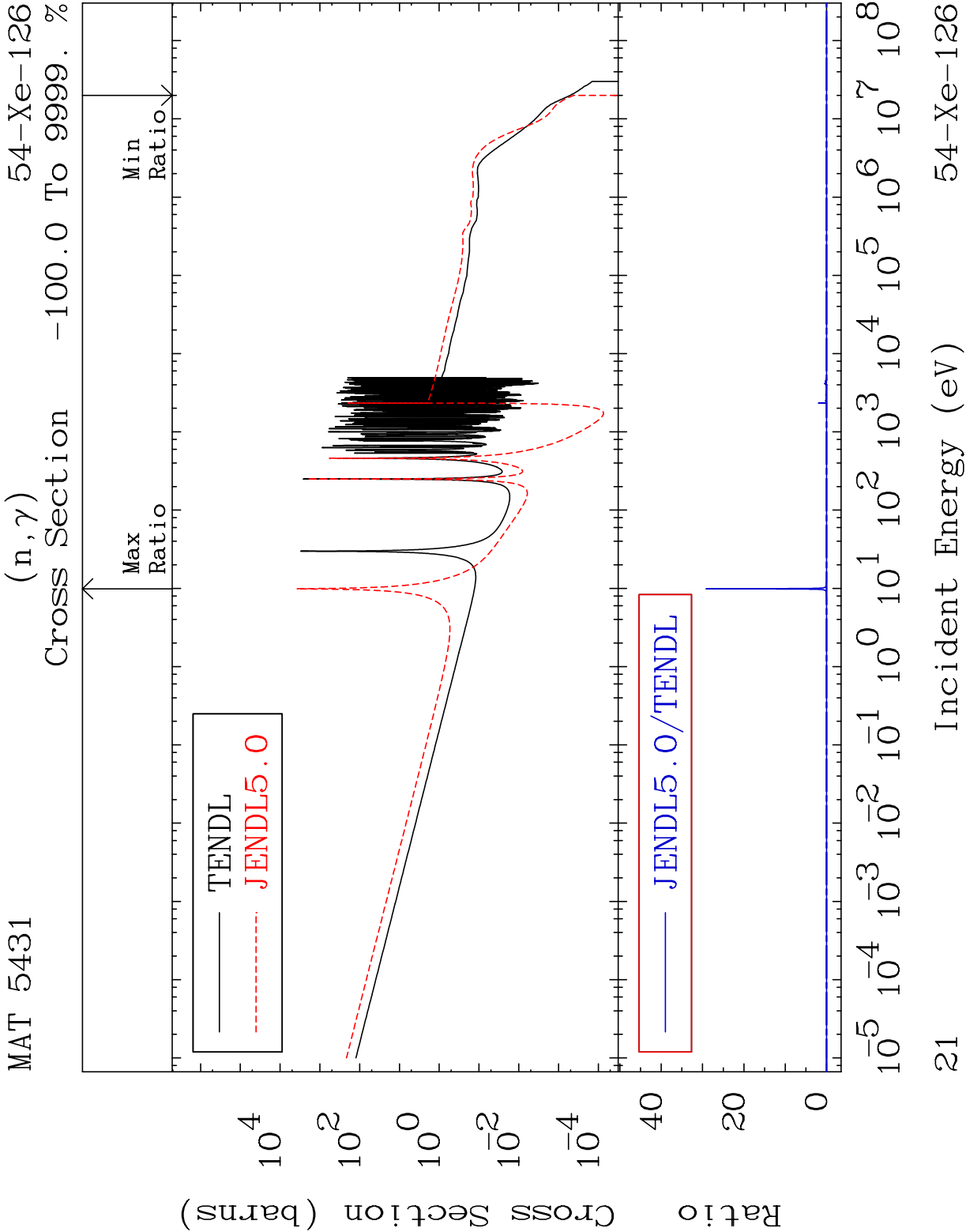
MAT 5431 MT= 58 (n,n') Level 54-Xe-126
Cross Section -100.0 To 91.55 %

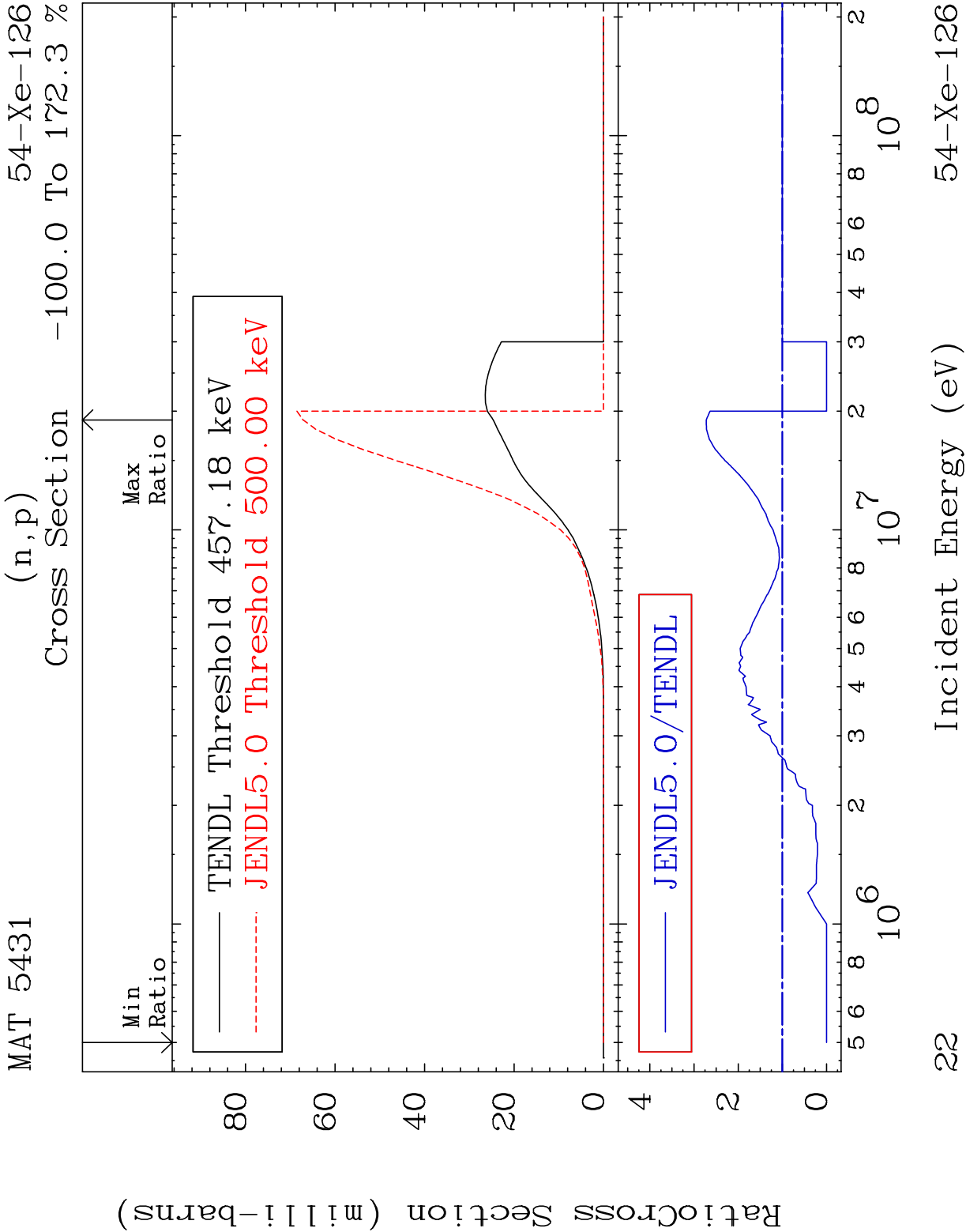


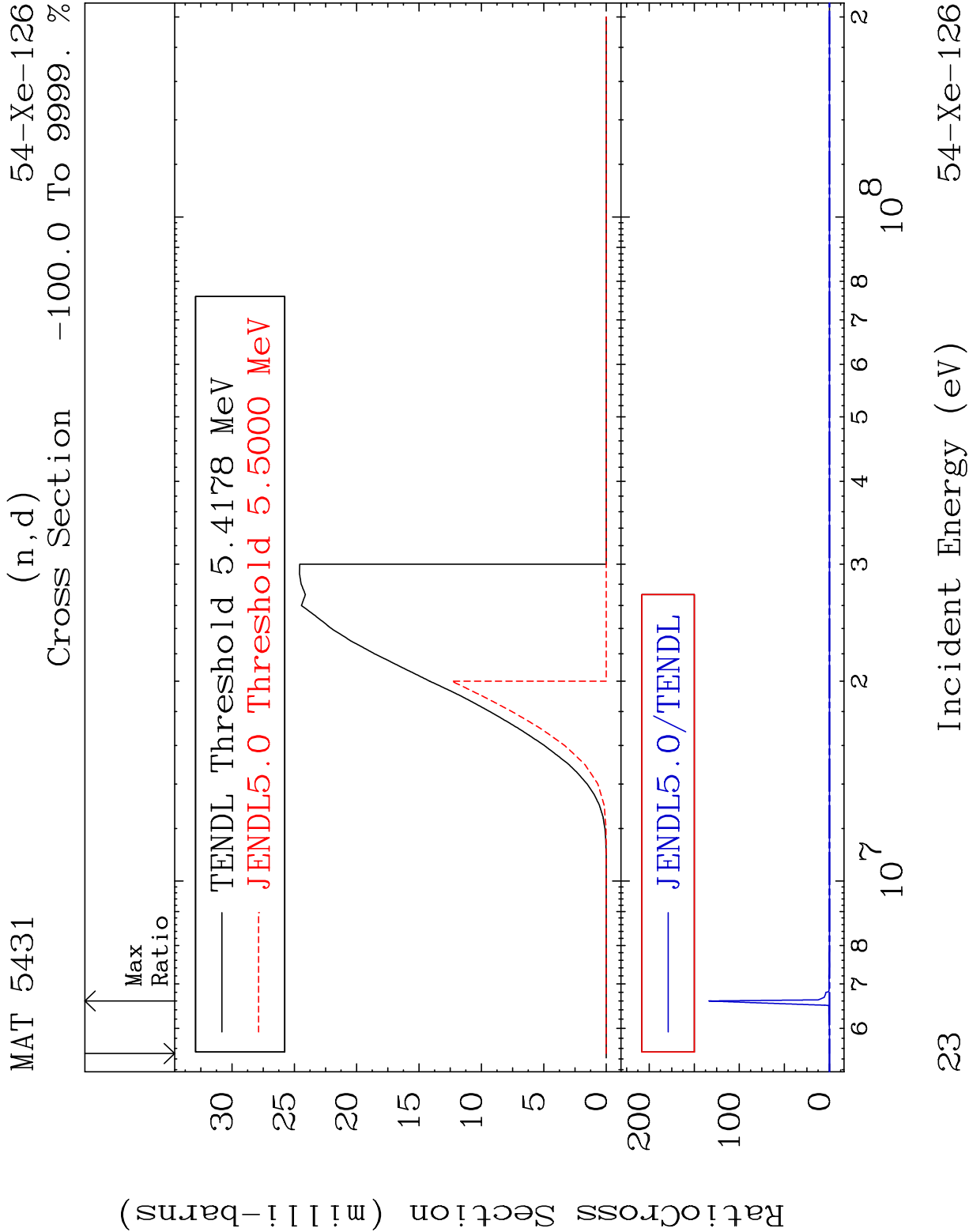


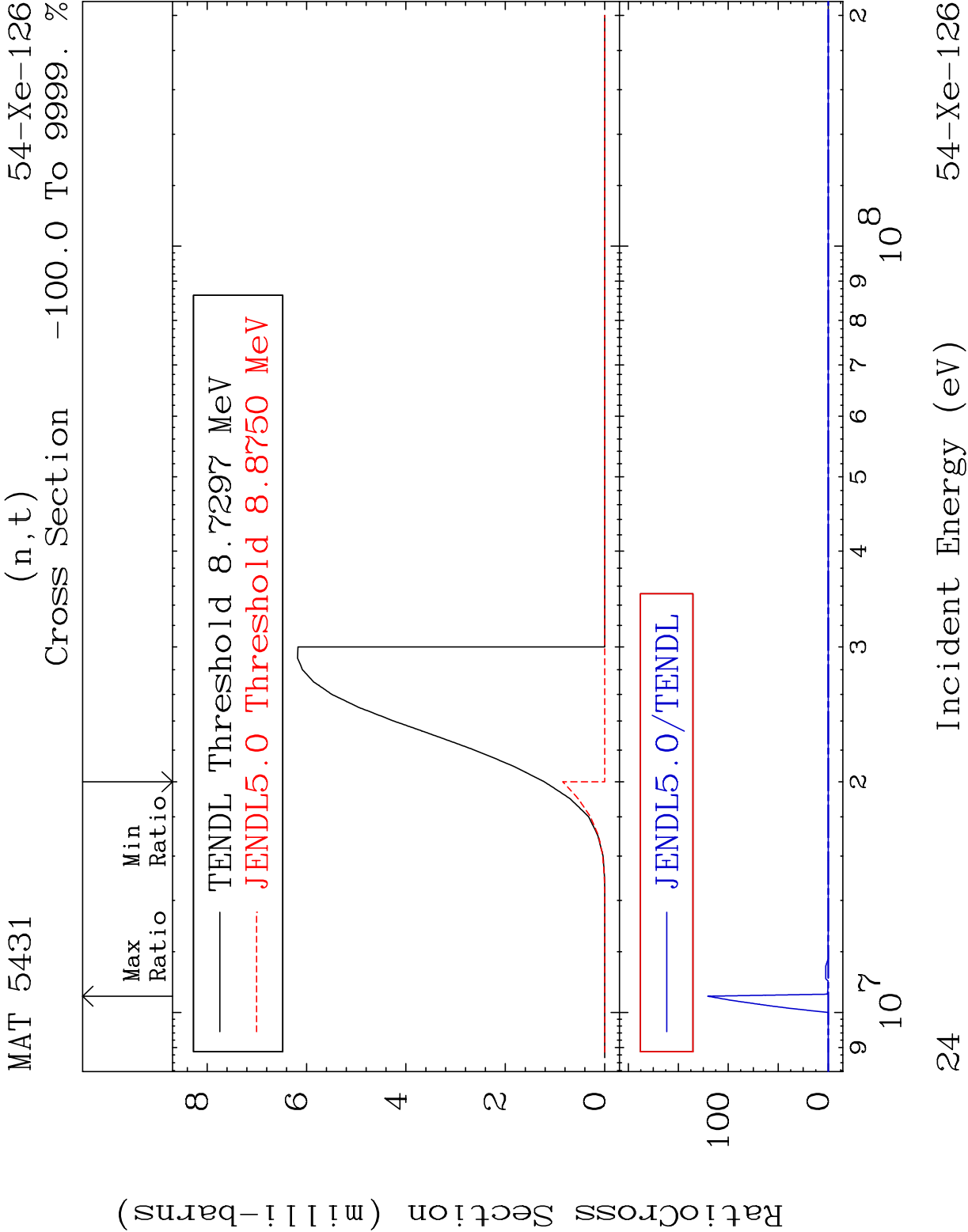


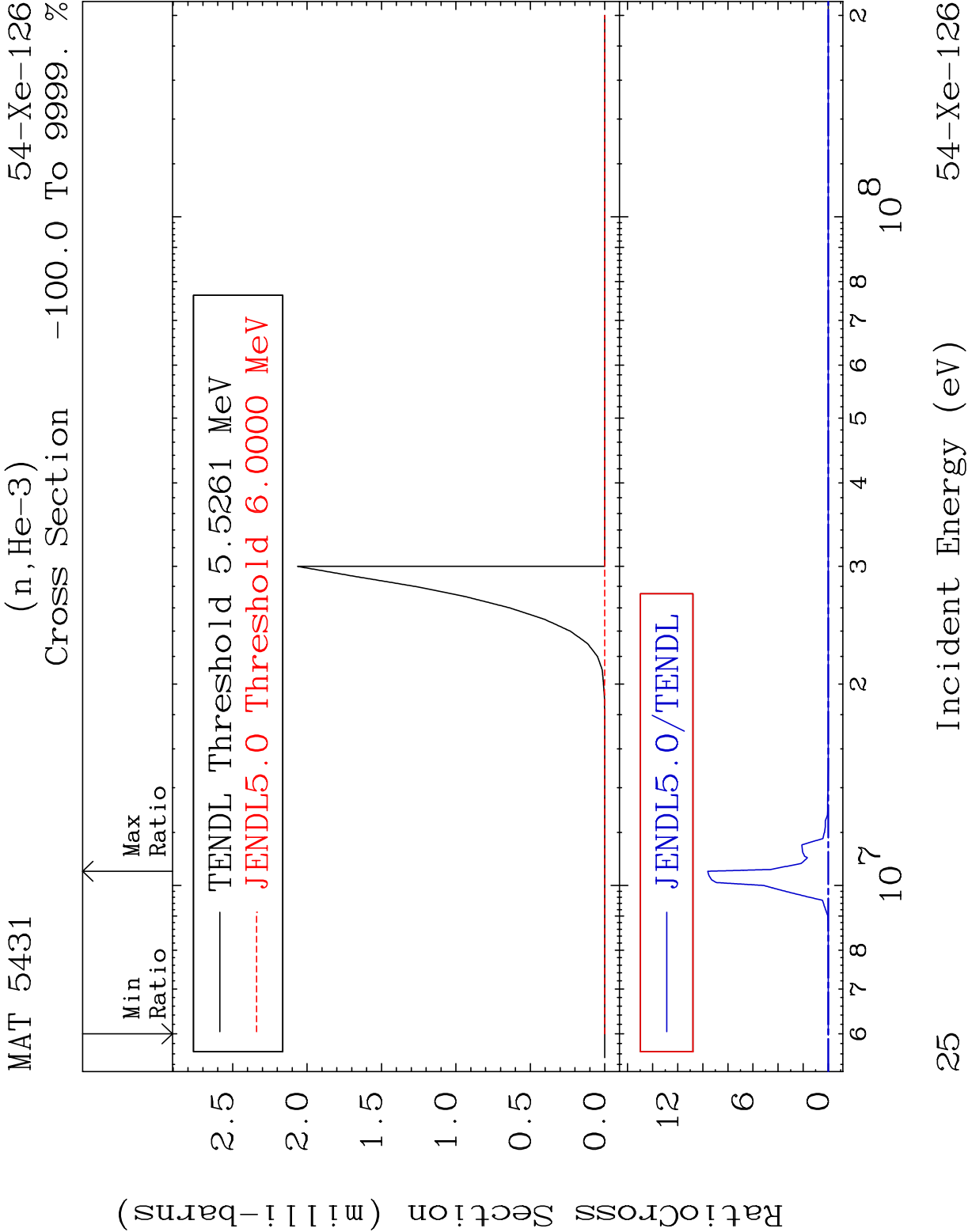












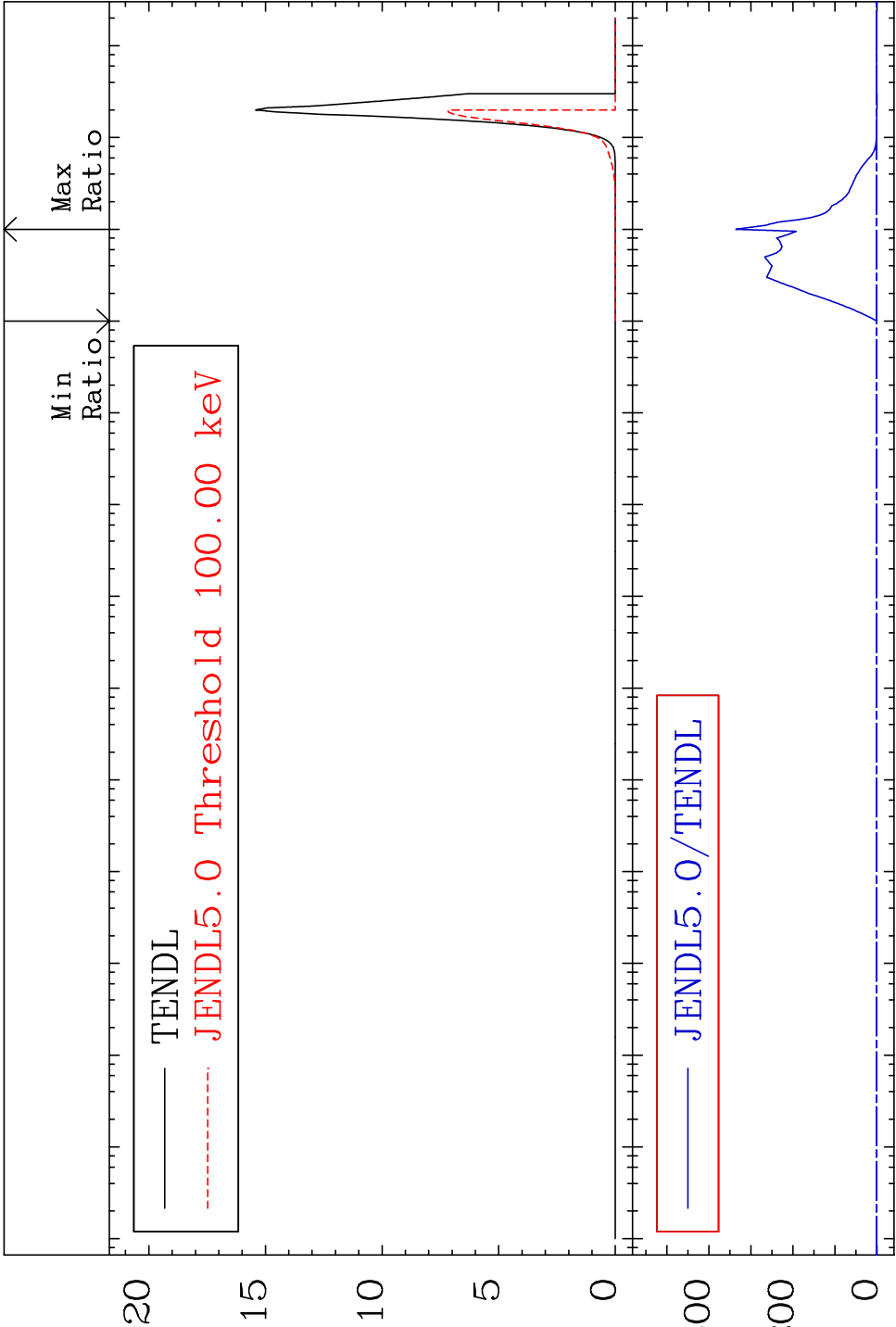
MAT 5431

(n, α)

54-Xe-126

Cross Section -100.0 To 9999. %

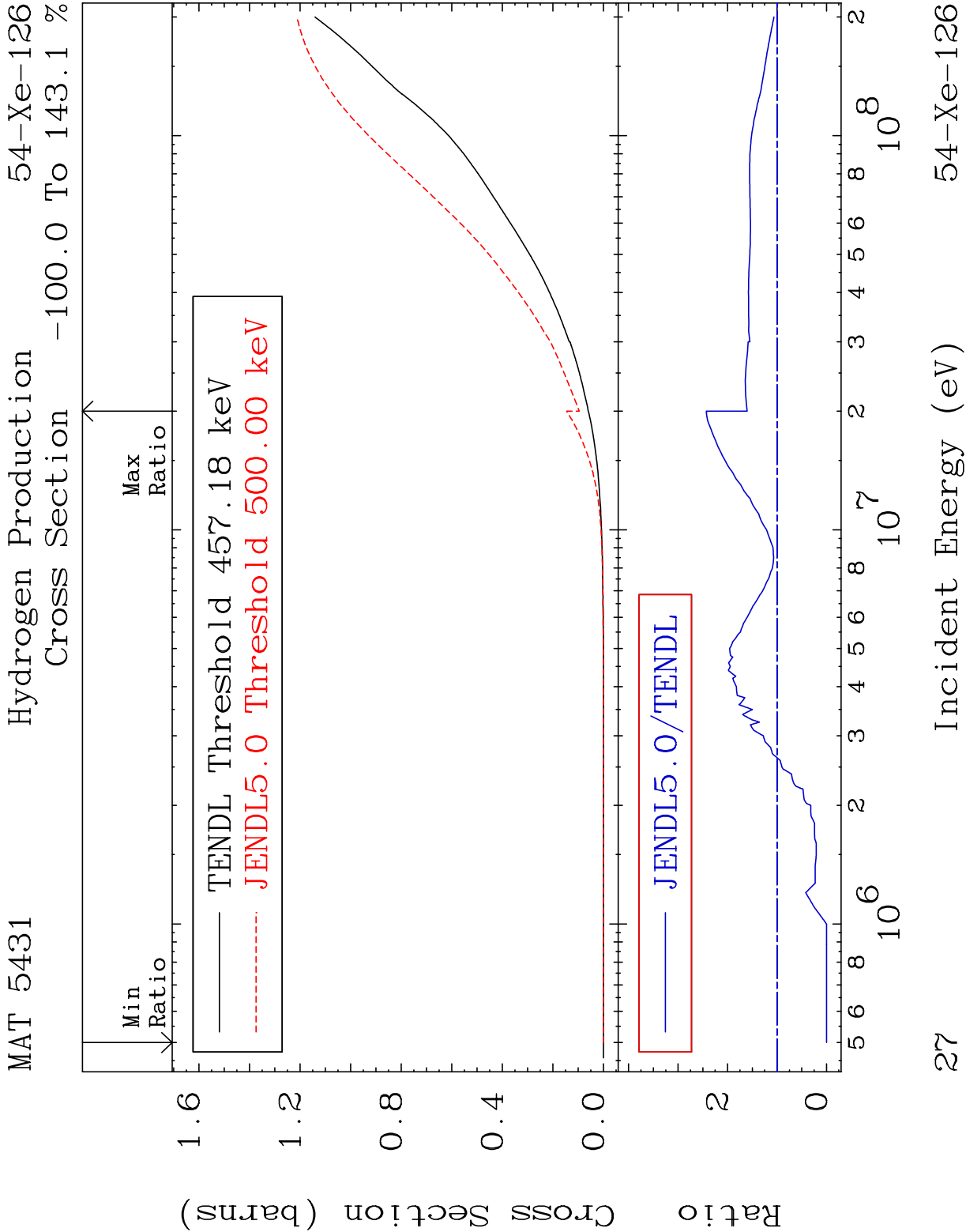
RatioCross Section (milli-barns)



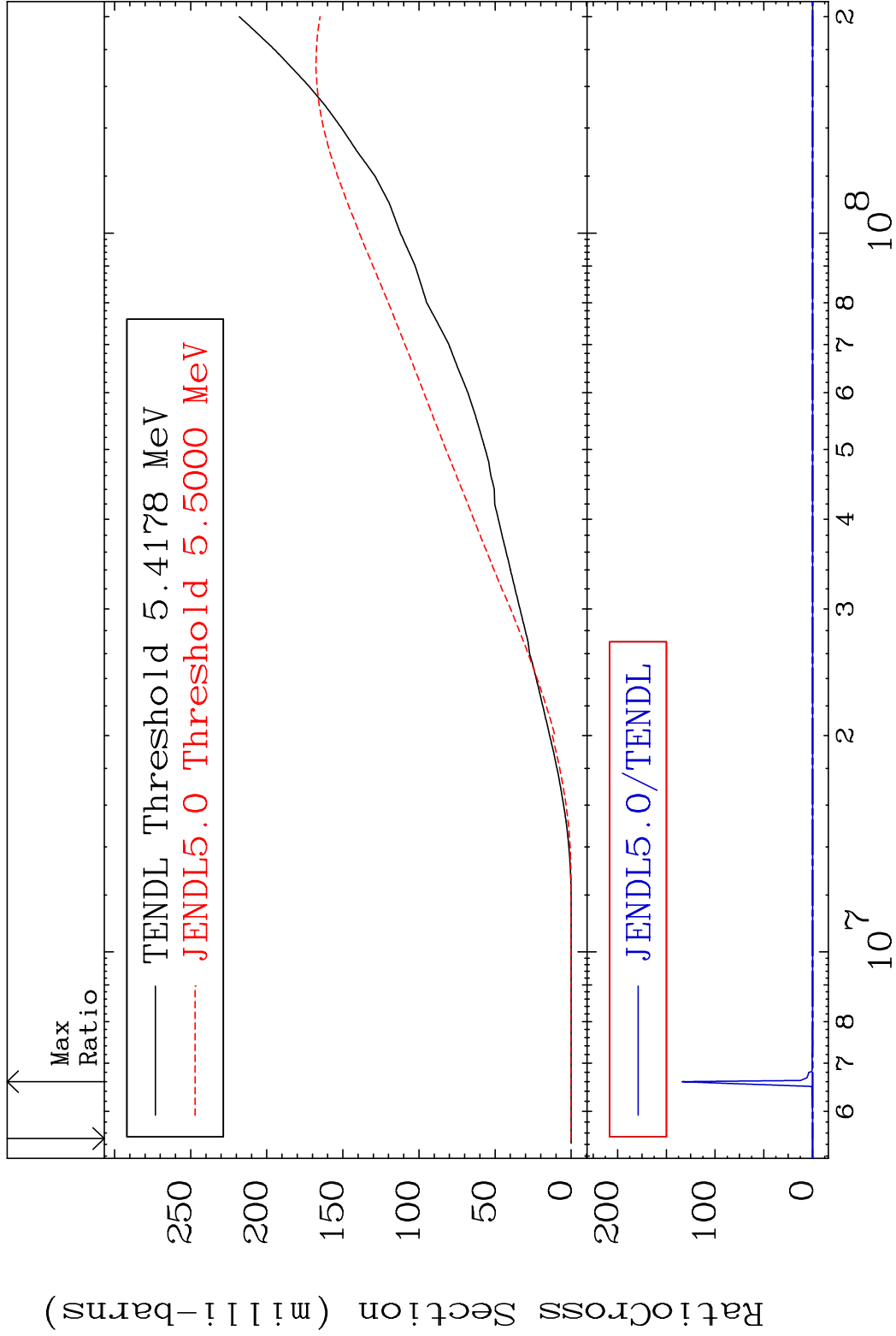
26

Incident Energy (eV)

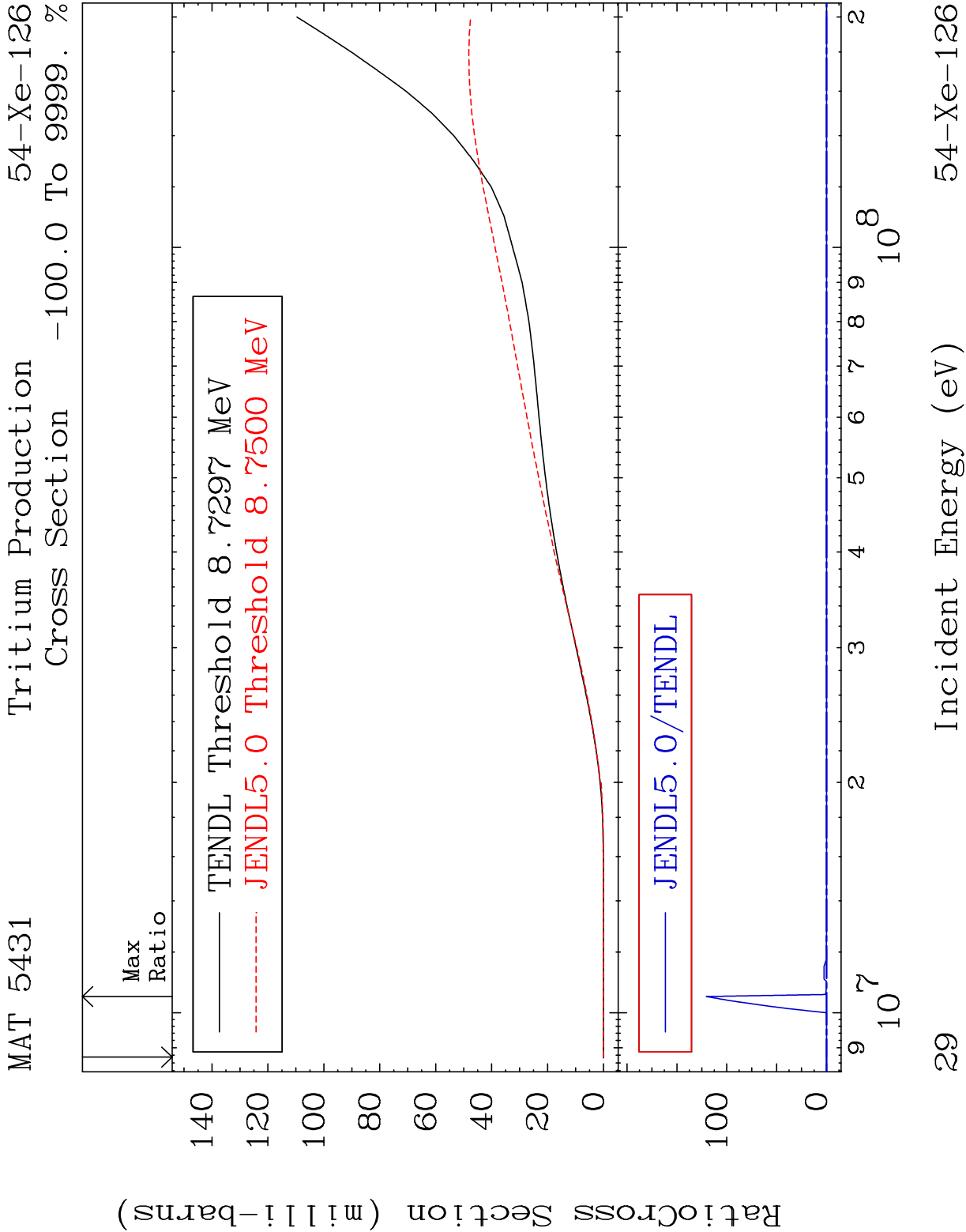
54-Xe-126



MAT 5431 Deuterium Production 54-Xe-126
Cross Section -100.0 To 9999. %



28 Incident Energy (eV) 54-Xe-126

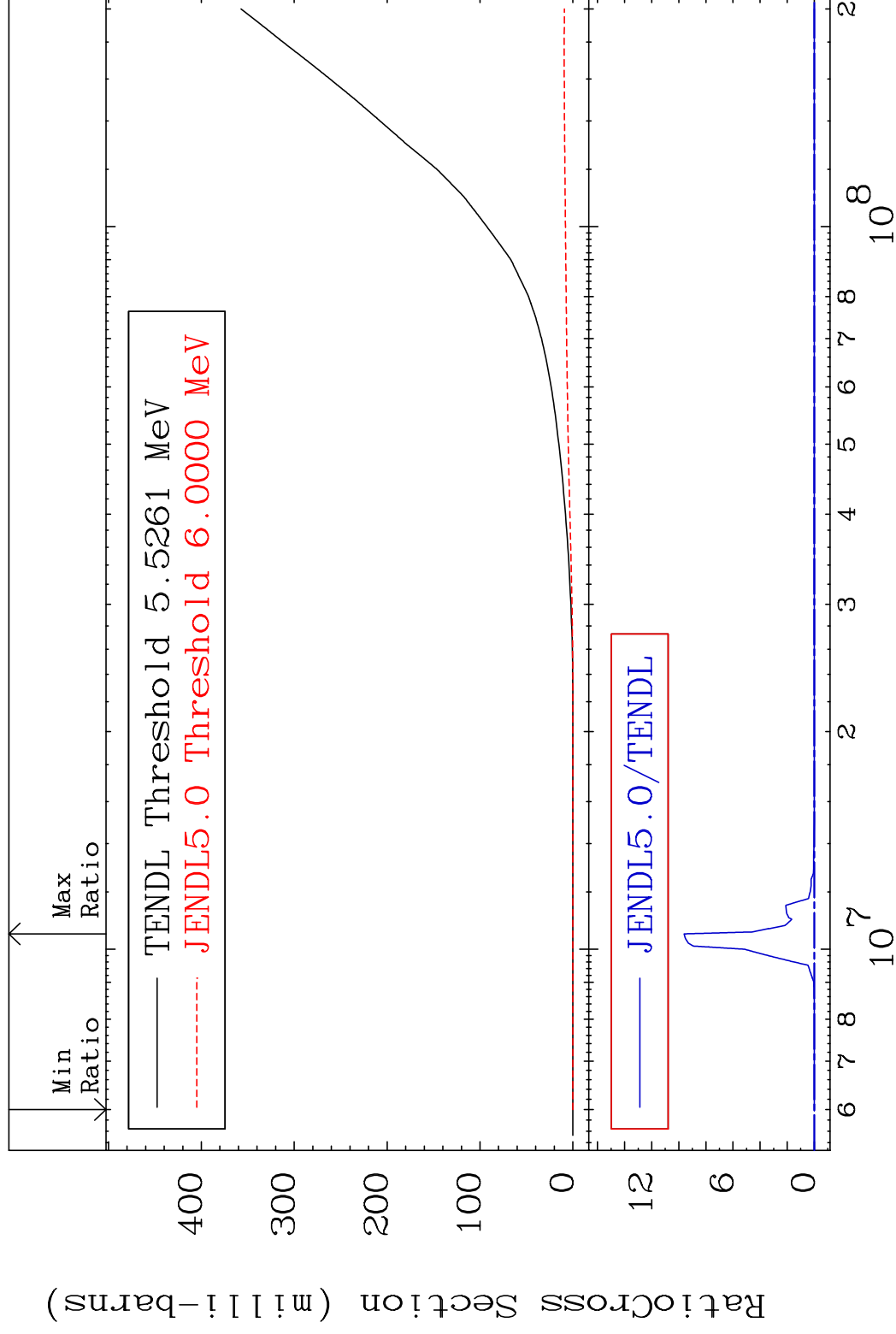


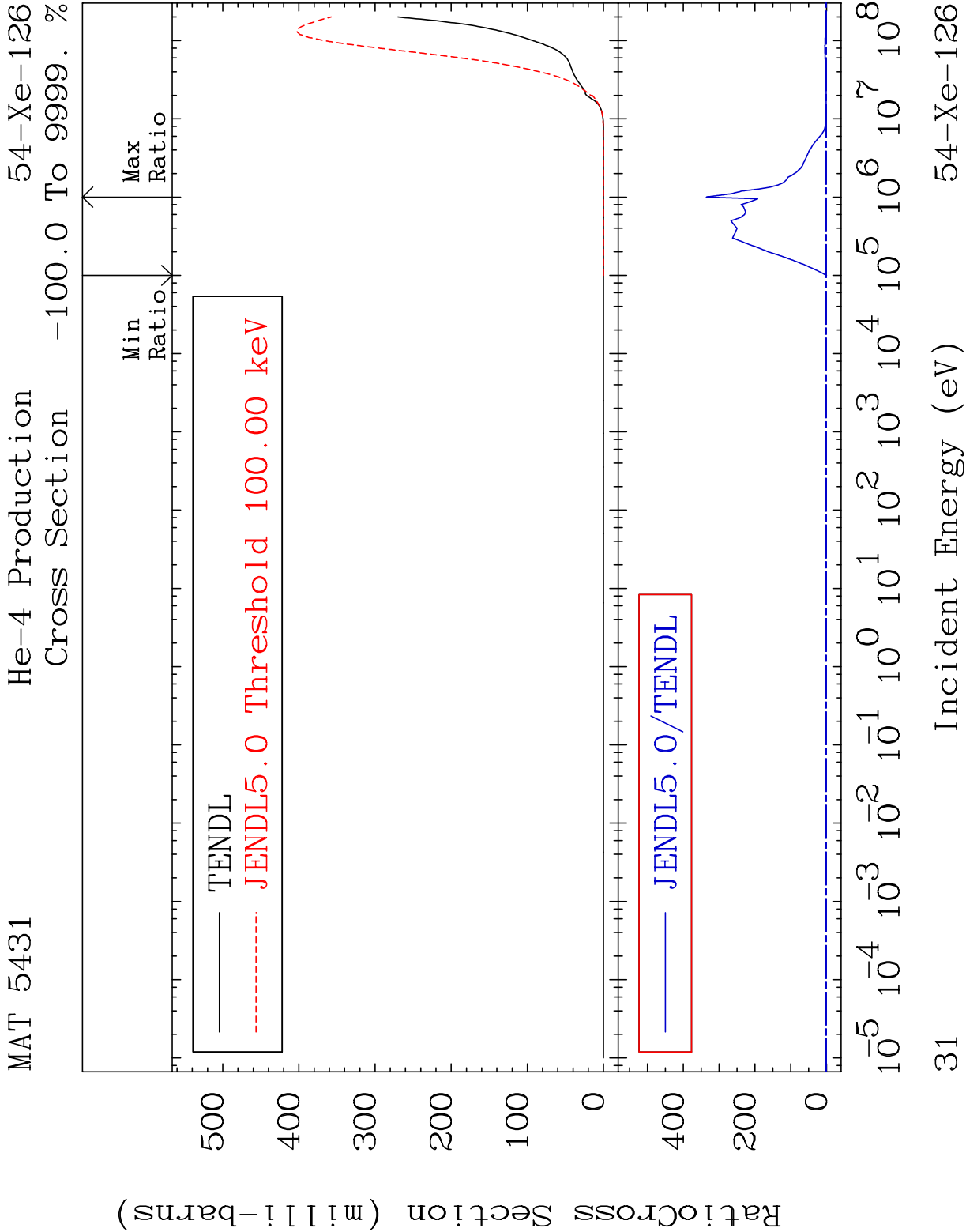
MAT 5431

He-3 Production

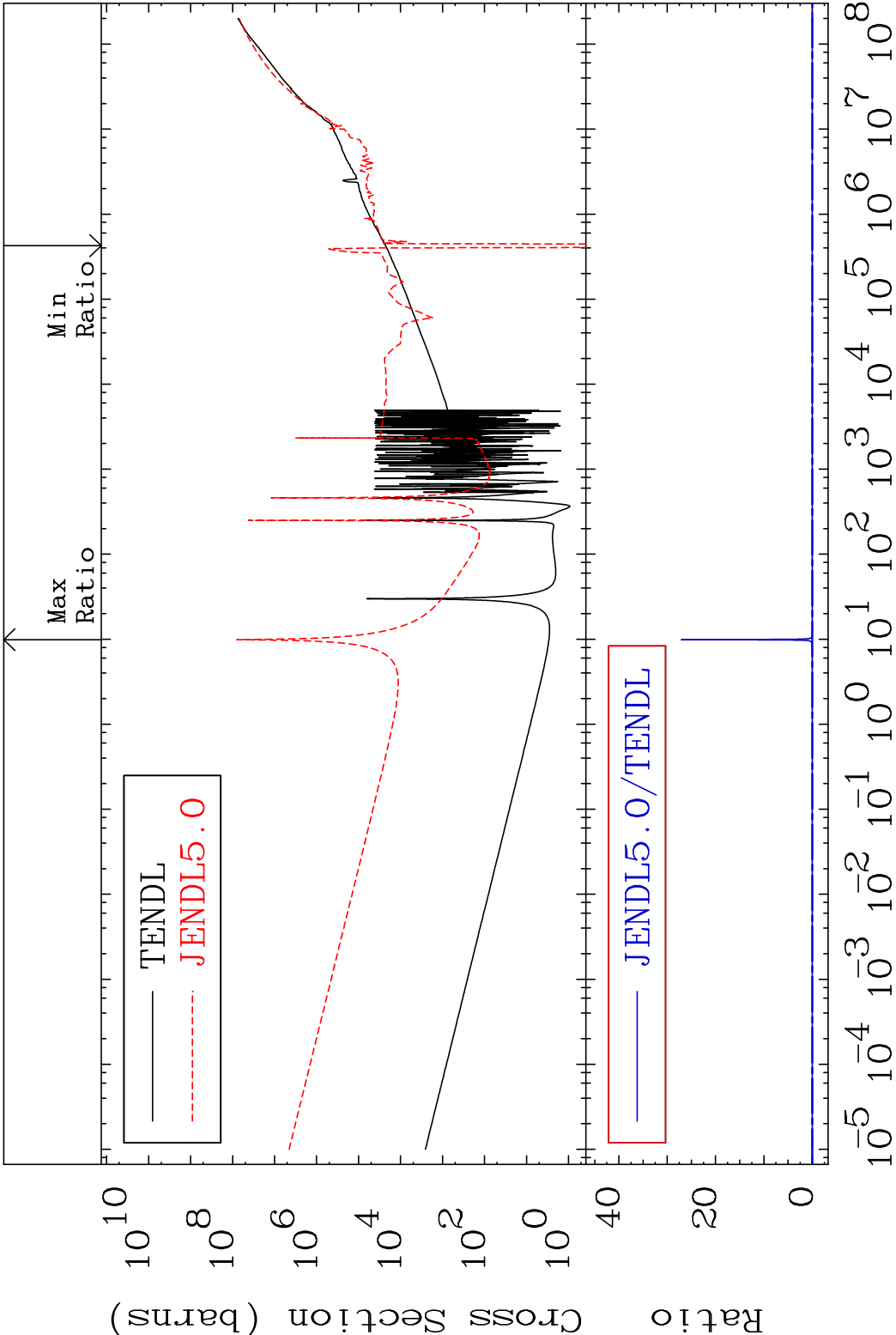
54-Xe-126

Cross Section -100.0 To 9999. %

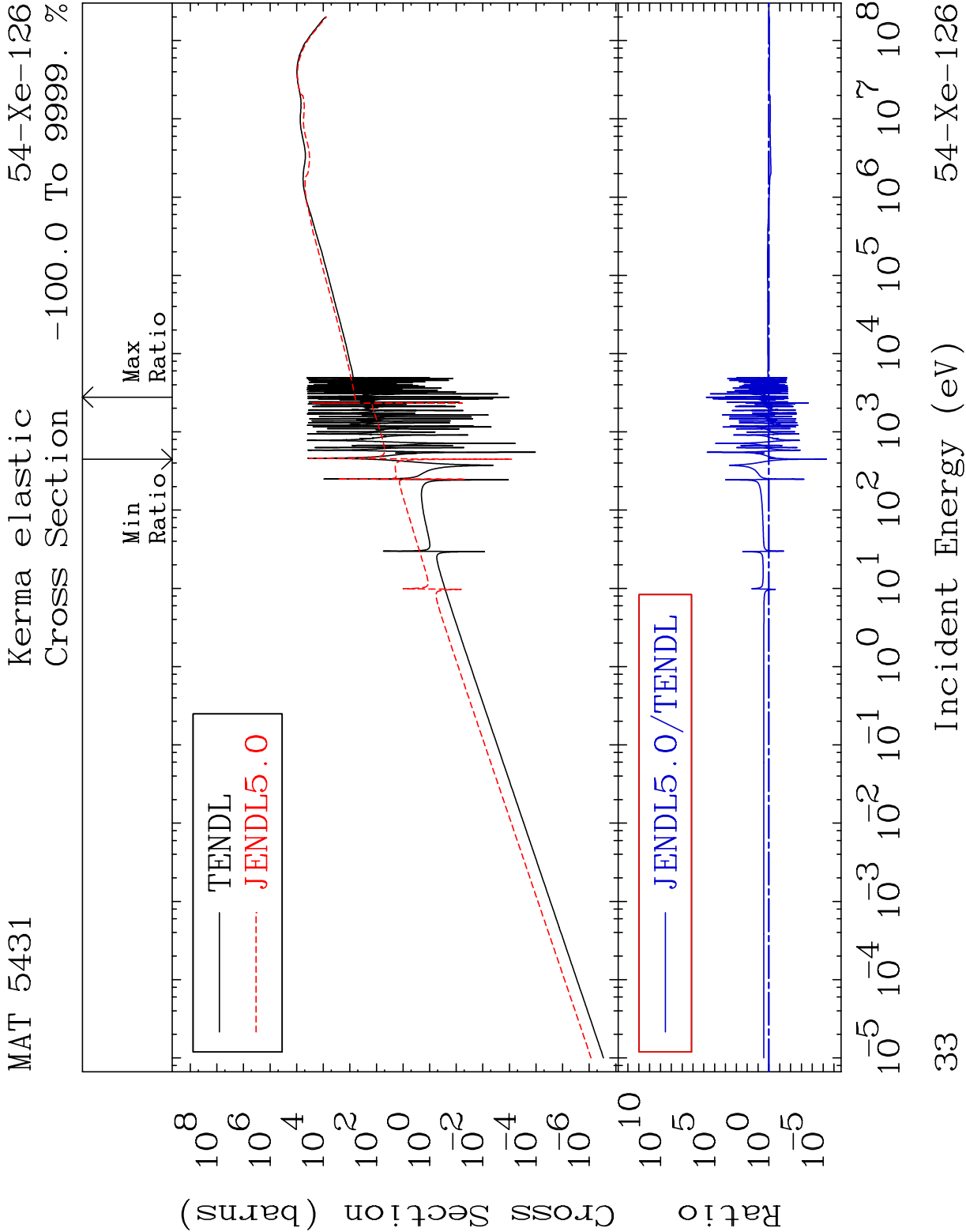




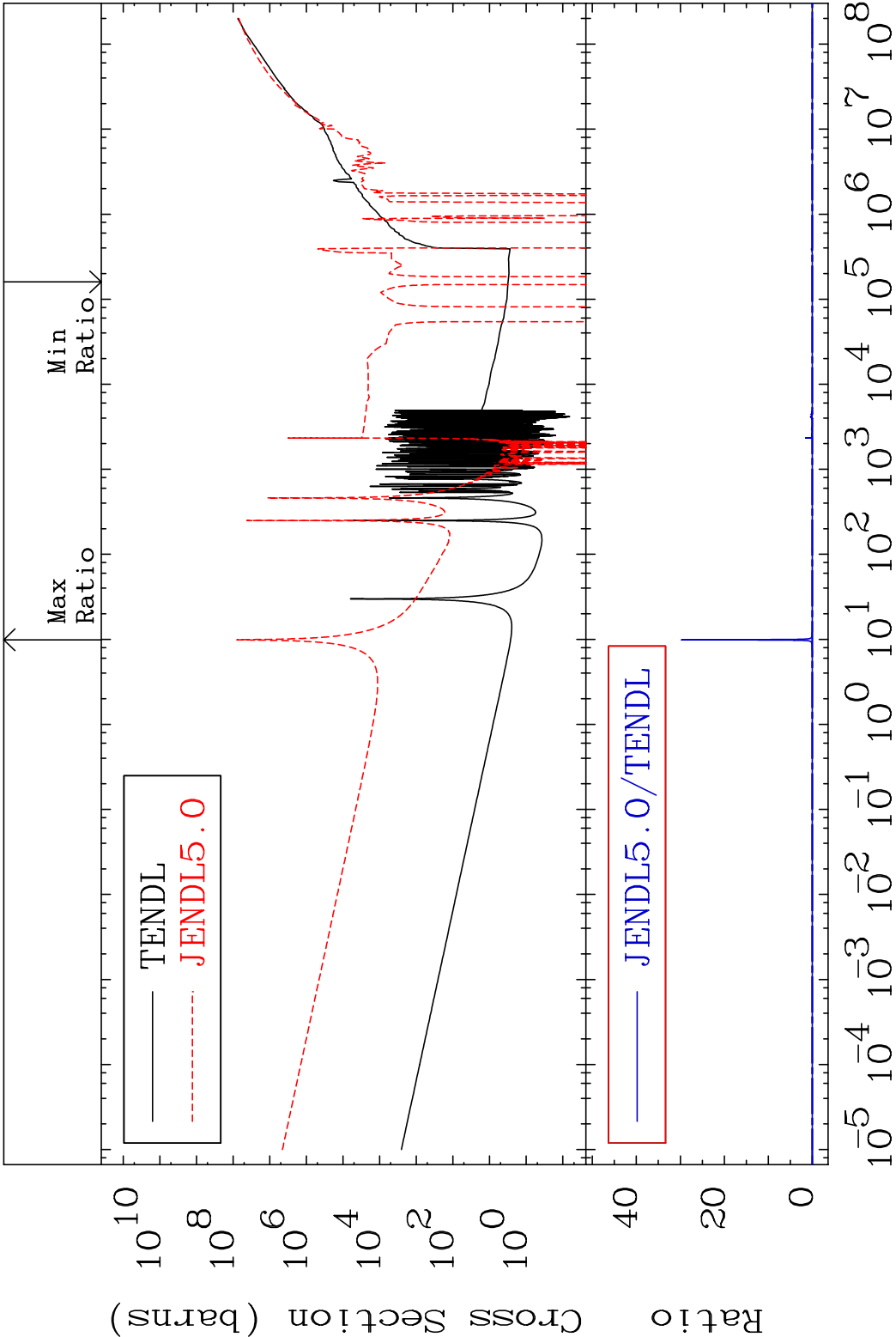
MAT 5431	Kerma total (eV-barns)	54-Xe-126
	Cross Section	-398.9 To 9999. %



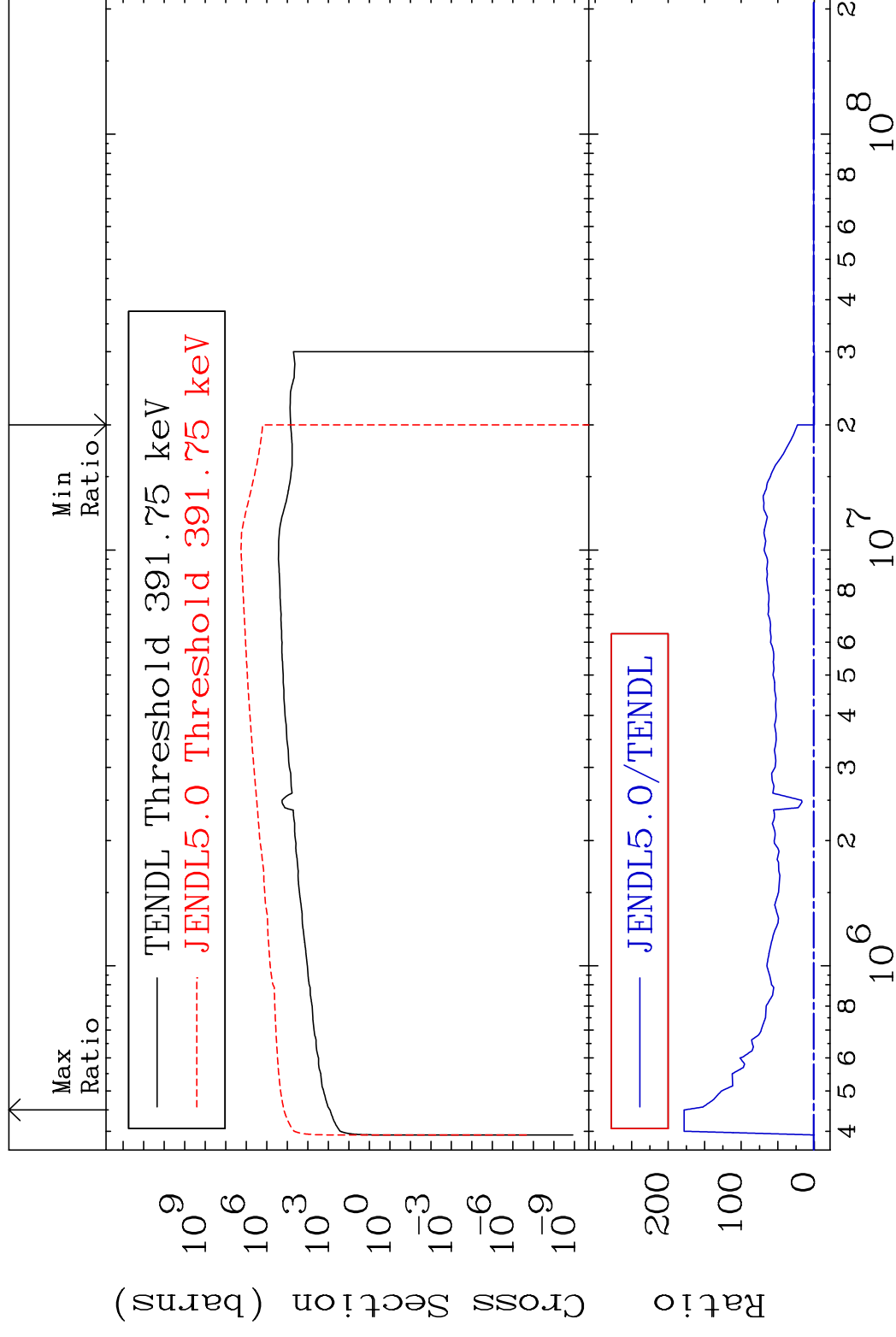
32	Incident Energy (eV)	54-Xe-126
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MAT 5431 Kerma non-elastic (all but mt2) 54-Xe-126
 Cross Section -9999. To 9999. %

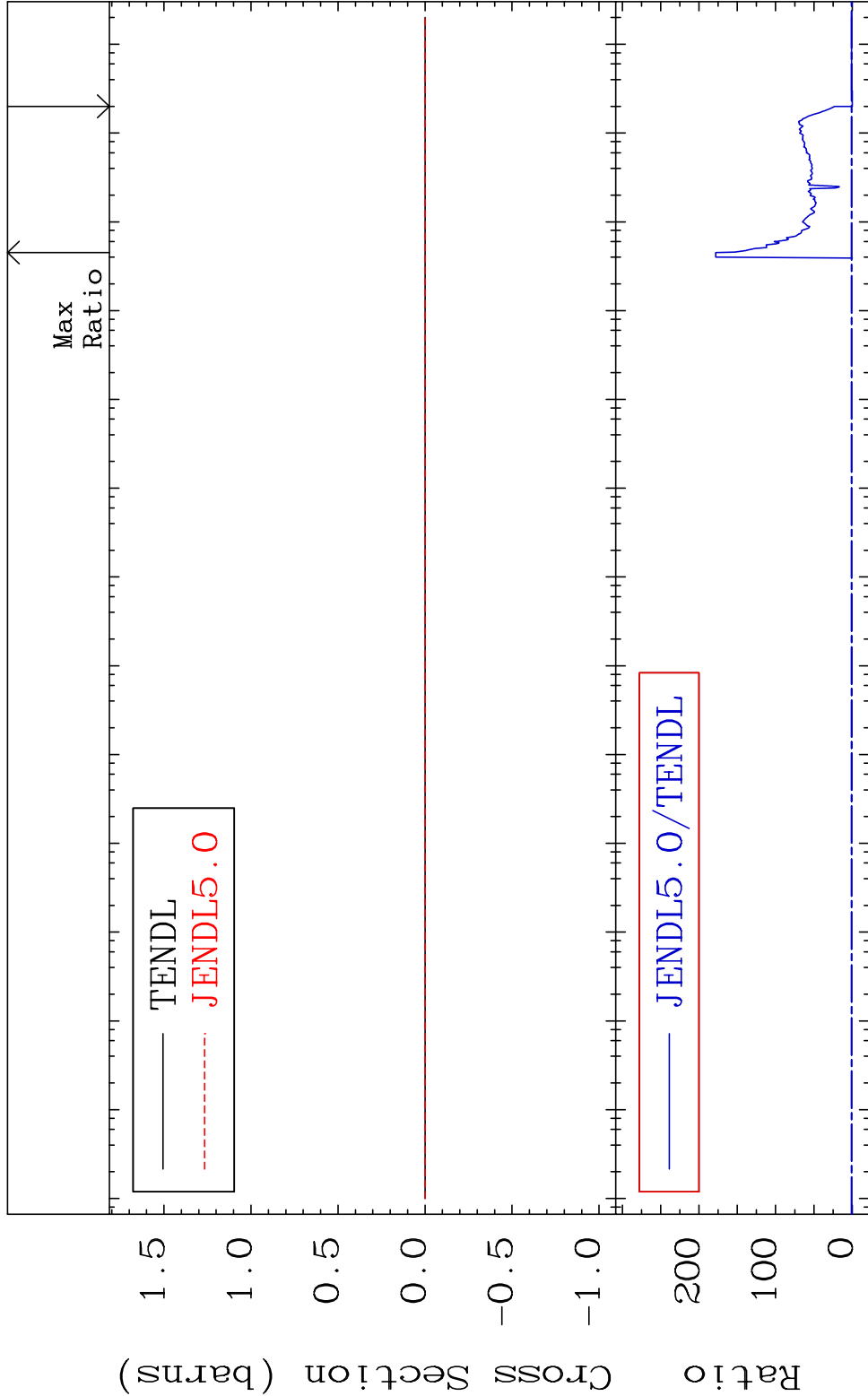


34 Incident Energy (eV) 54-Xe-126



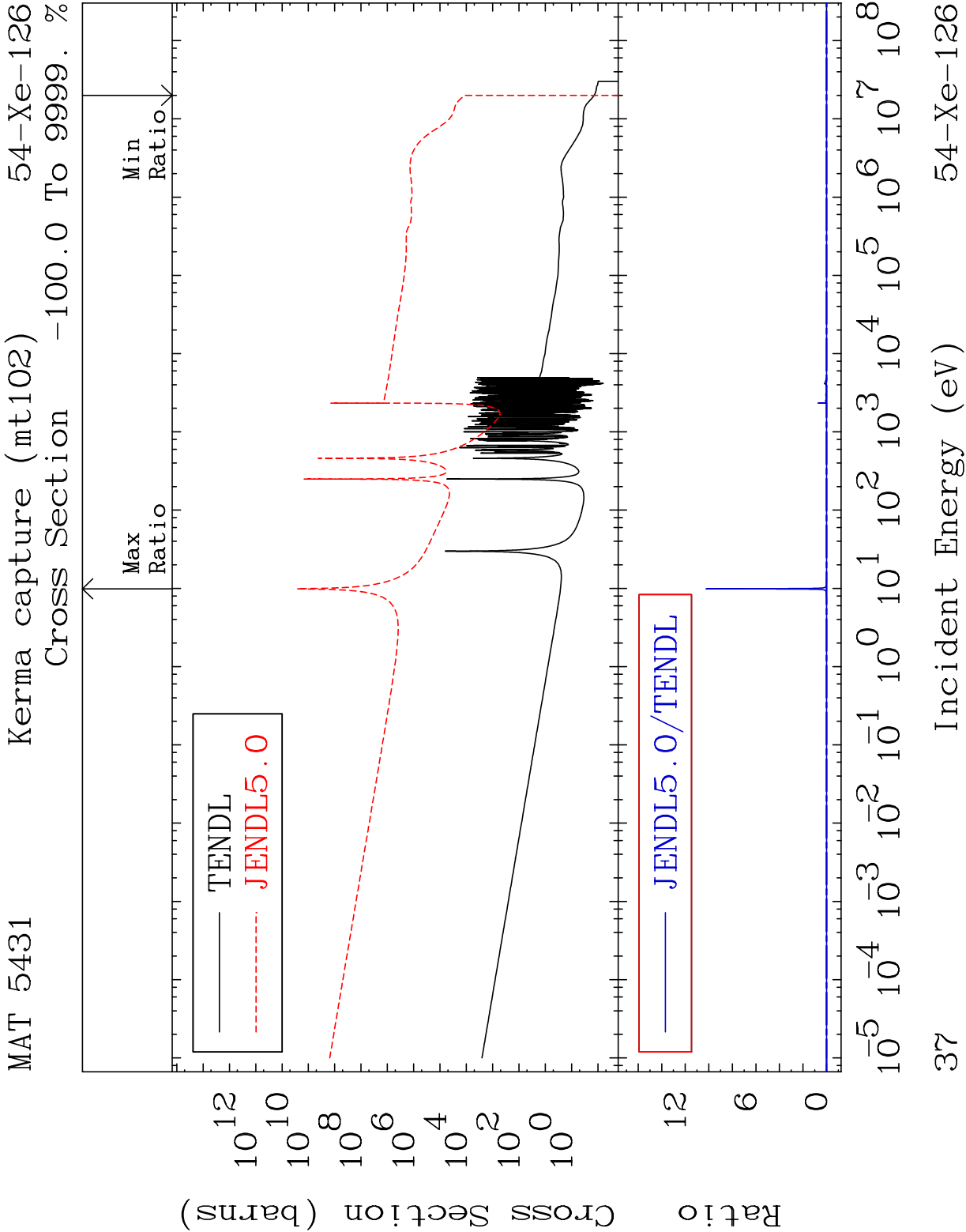
MAT 5431 Kerma fission (mt18 or mt19-20-21-38)54-Xe-126

Cross Section -100.0 To 9999. %

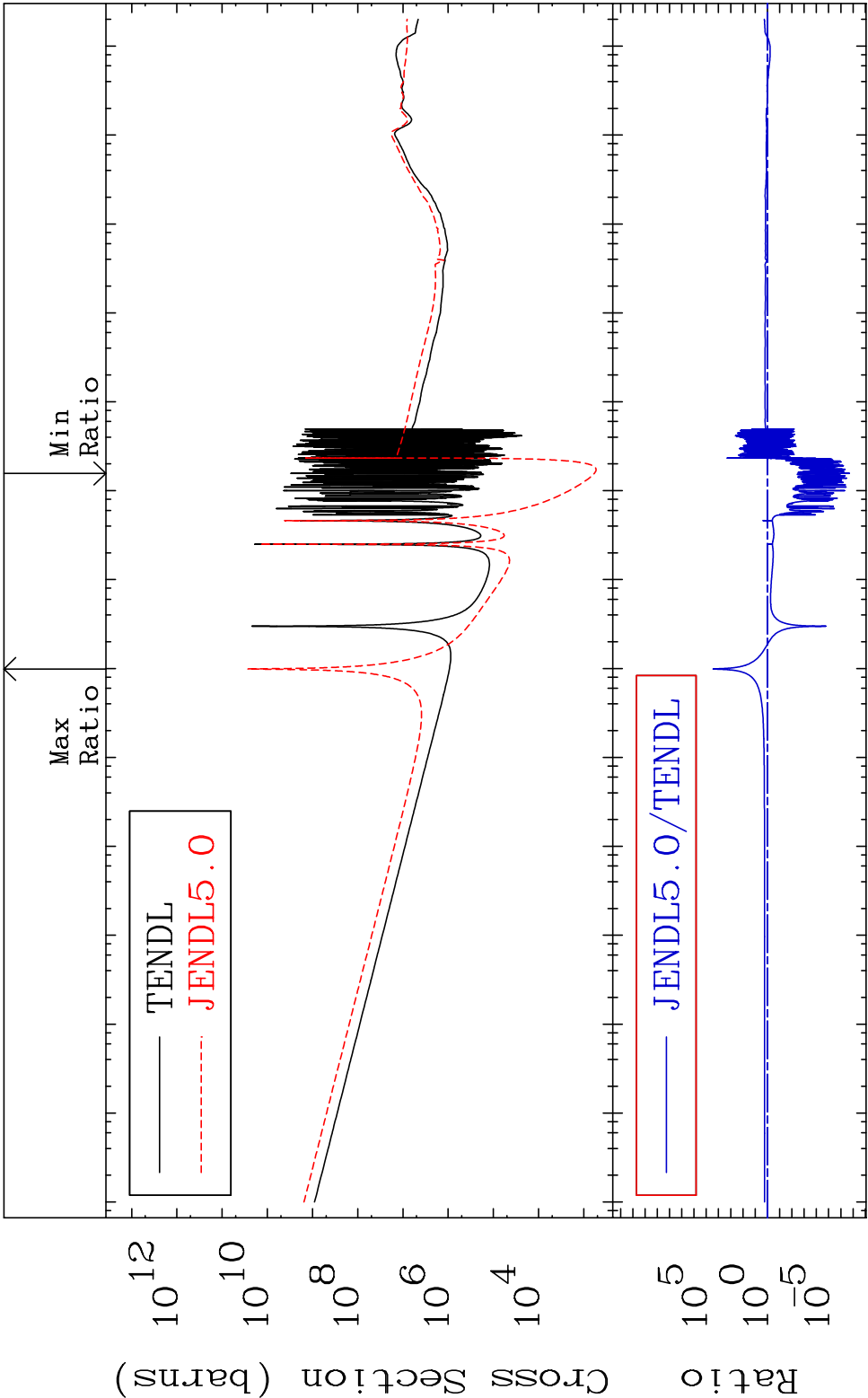


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

36 Incident Energy (eV) 54-Xe-126

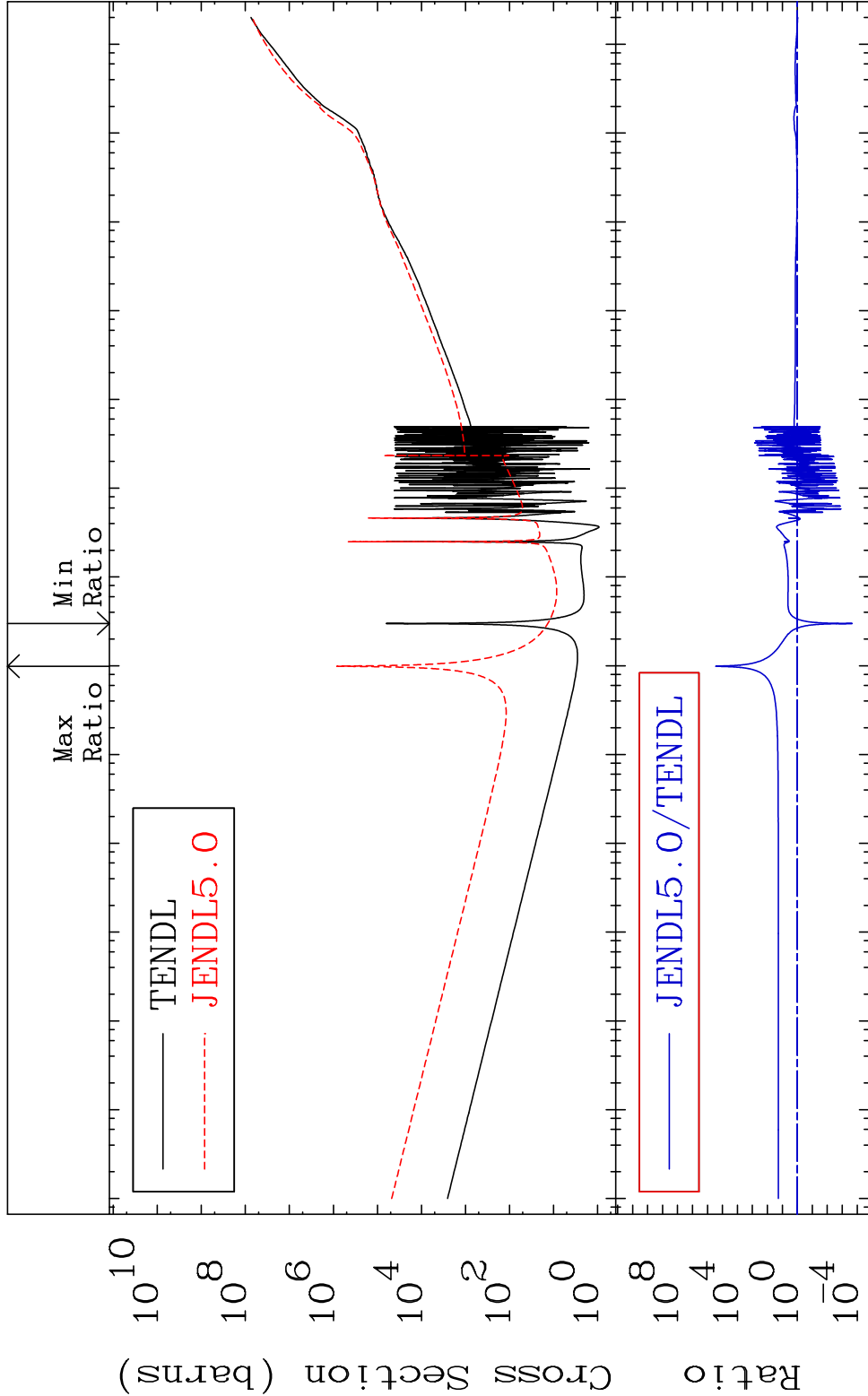


MAT 5431 Total photon (eV-barns) 54-Xe-126
Cross Section -100.0 To 9999. %



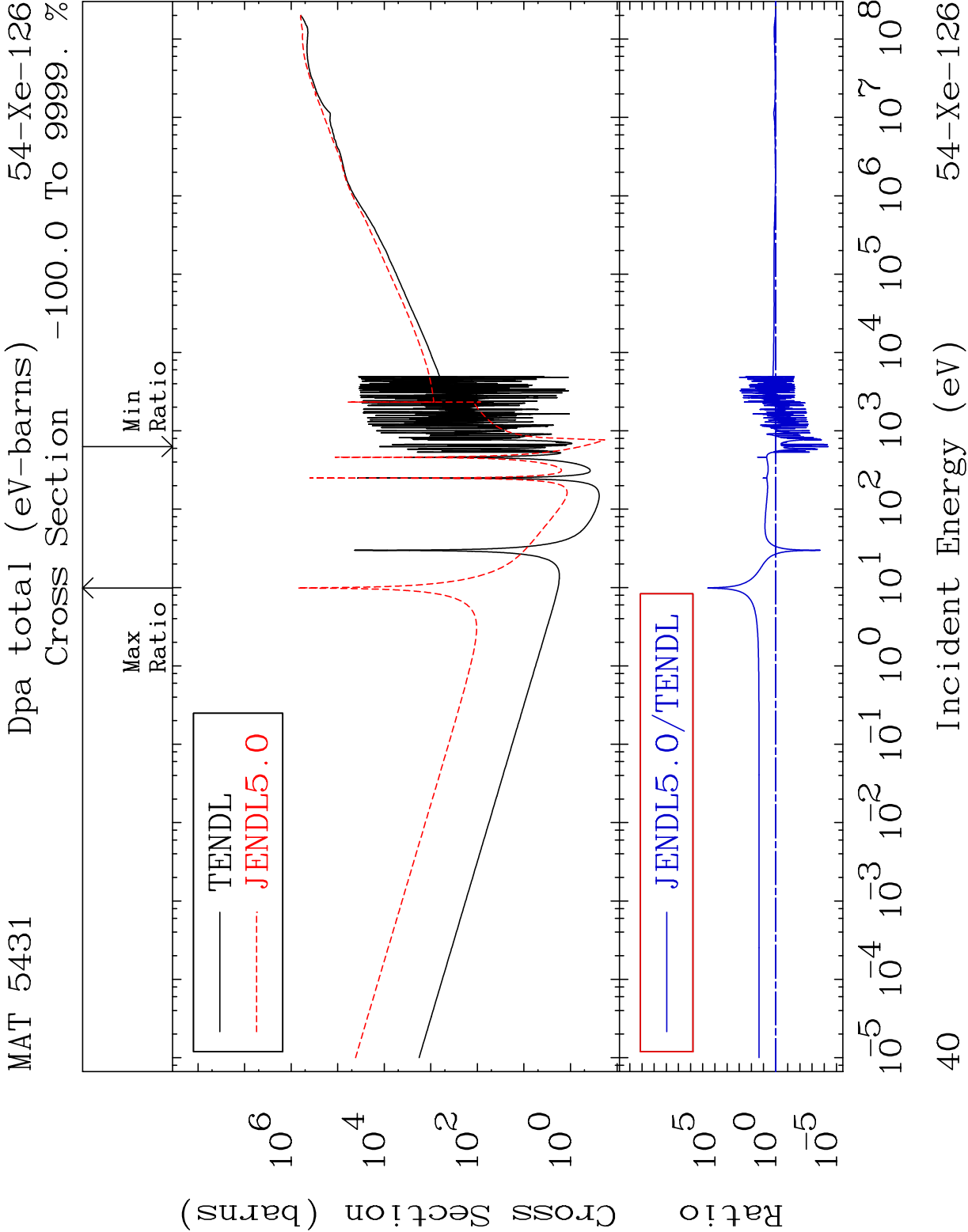
MAT 5431 Total kinematic kerma (high limit) 54-Xe-126

Cross Section -99.98 To 9999. %

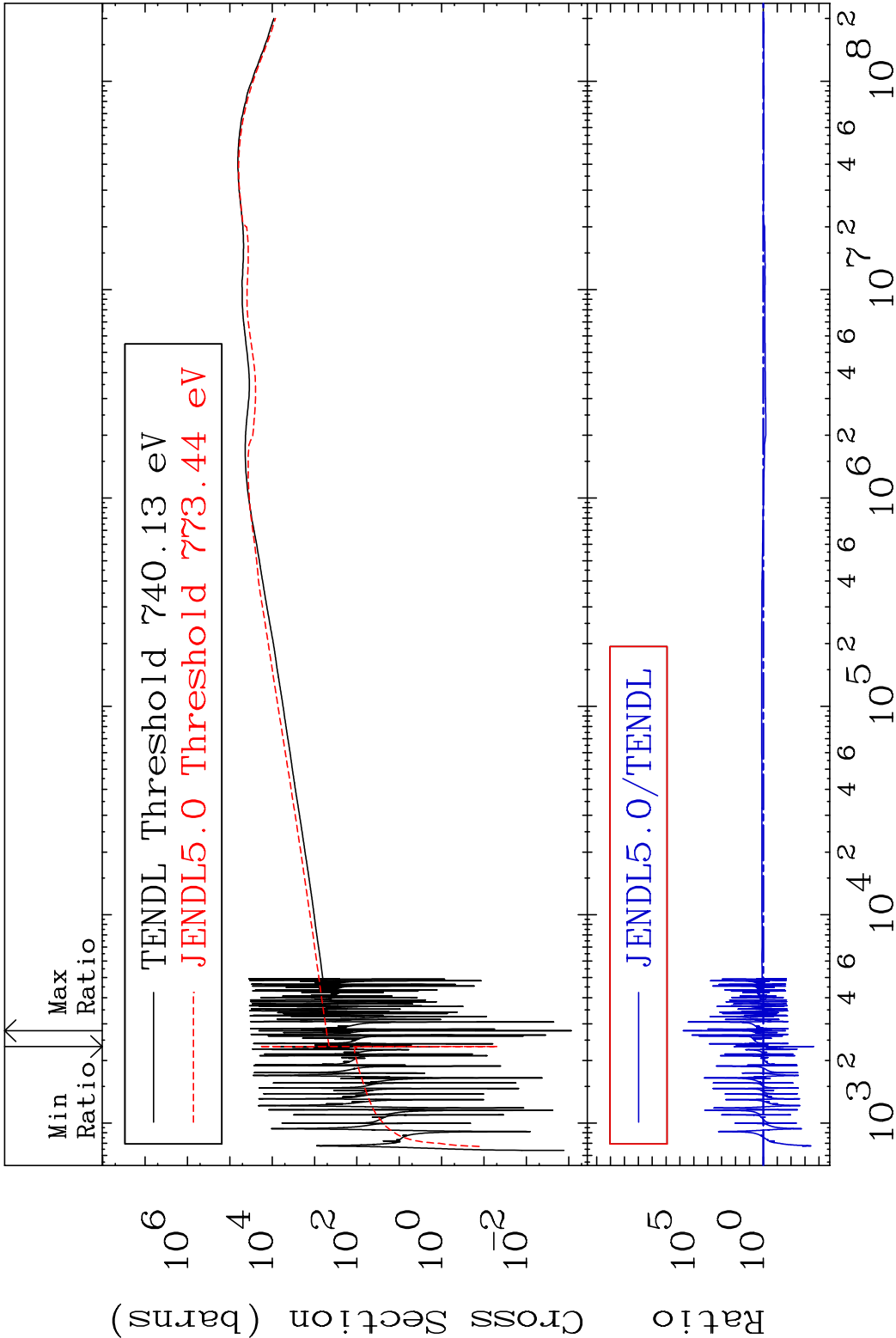


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

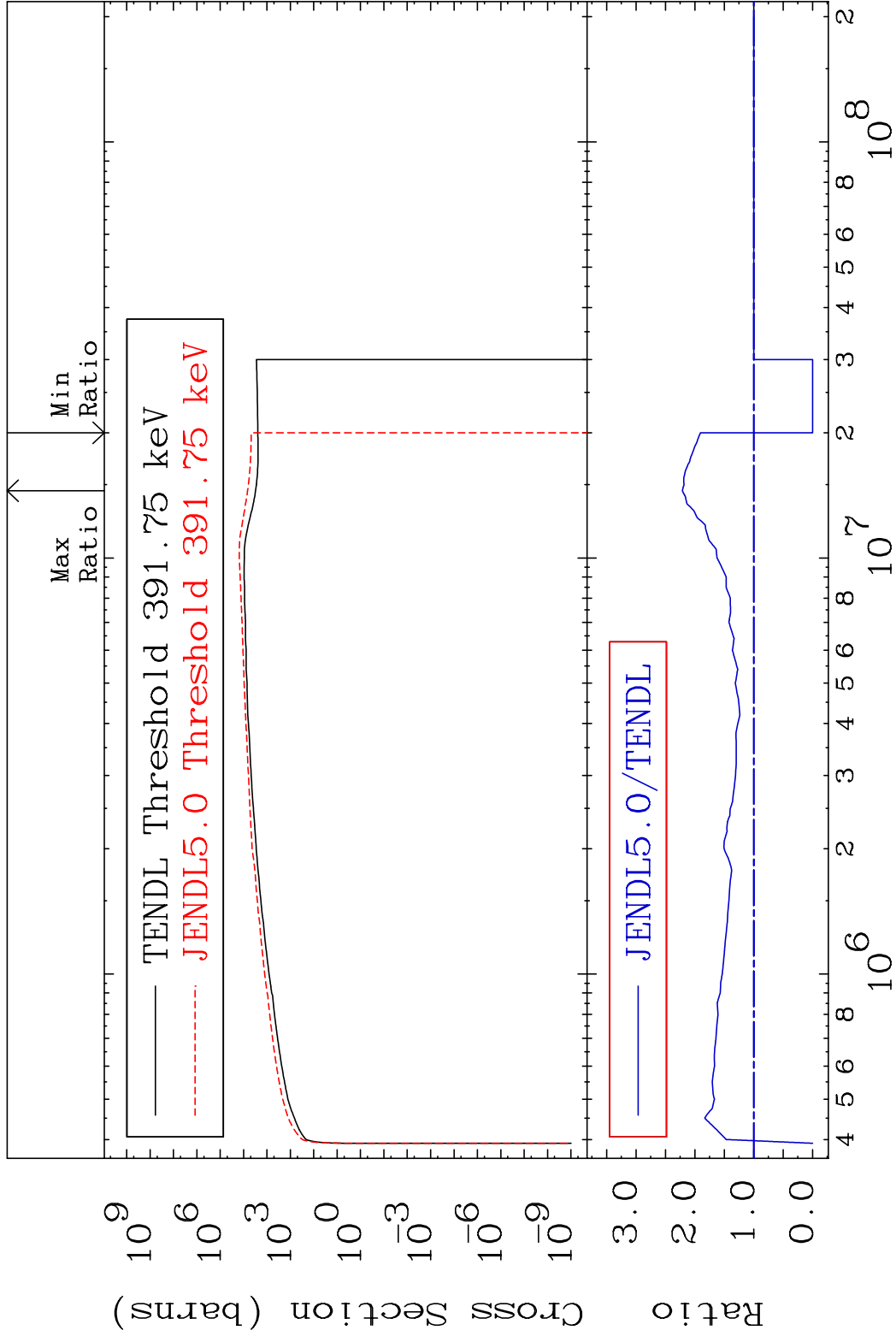
39 Incident Energy (eV) 54-Xe-126



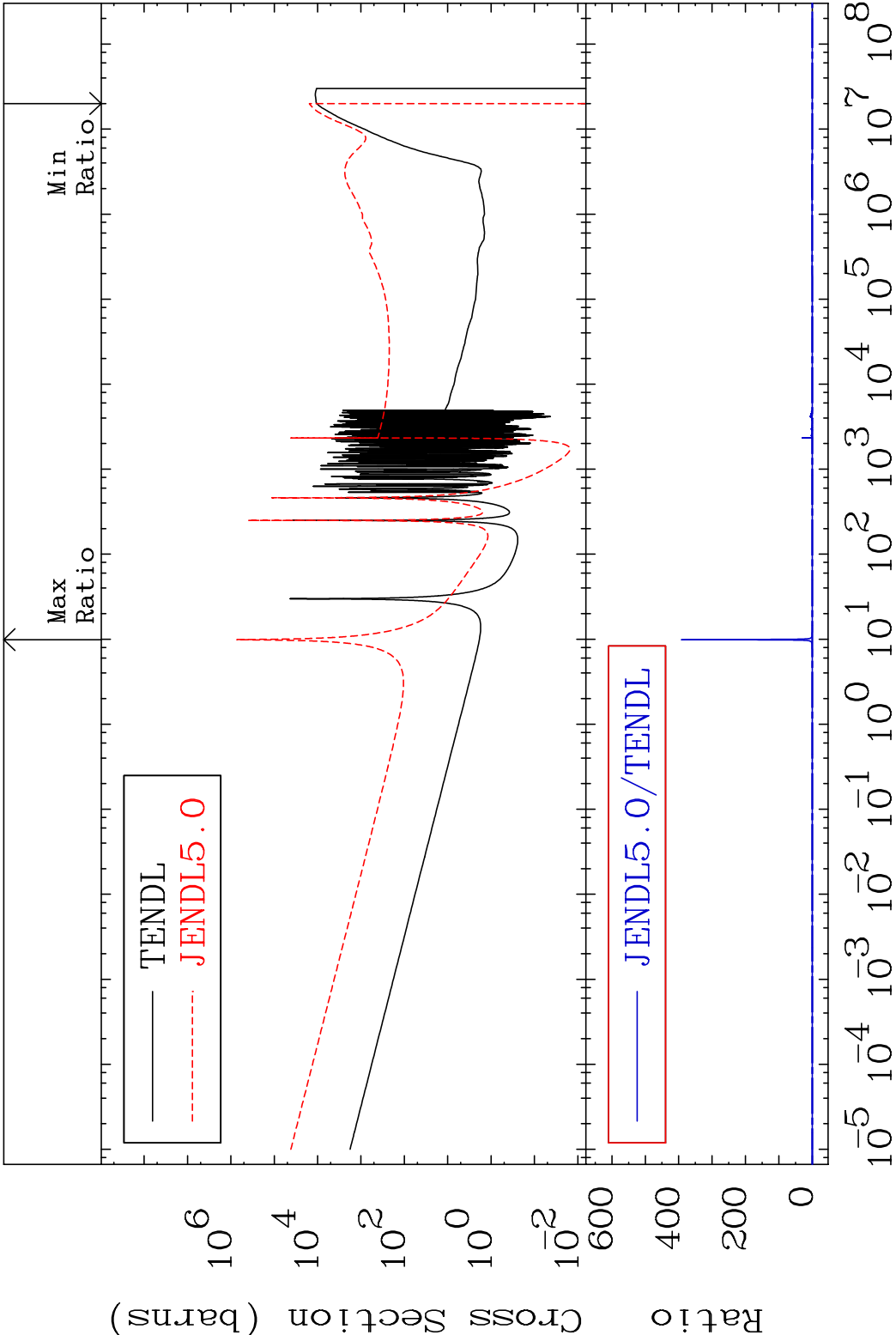
MAT 5431 Dpa elastic (mt2) 54-Xe-126
Cross Section -99.98 To 9999. %



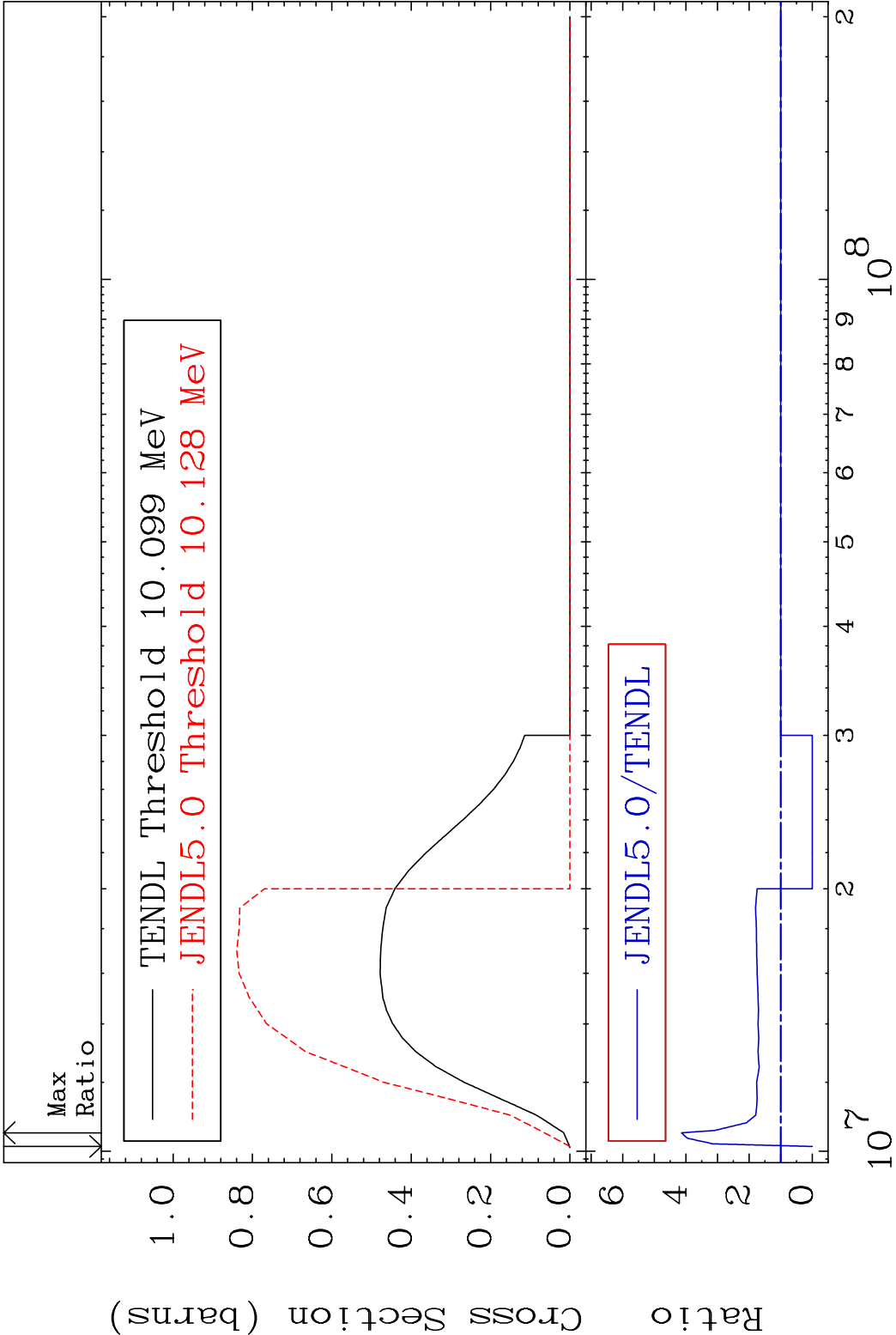
41 Incident Energy (eV) 54-Xe-126



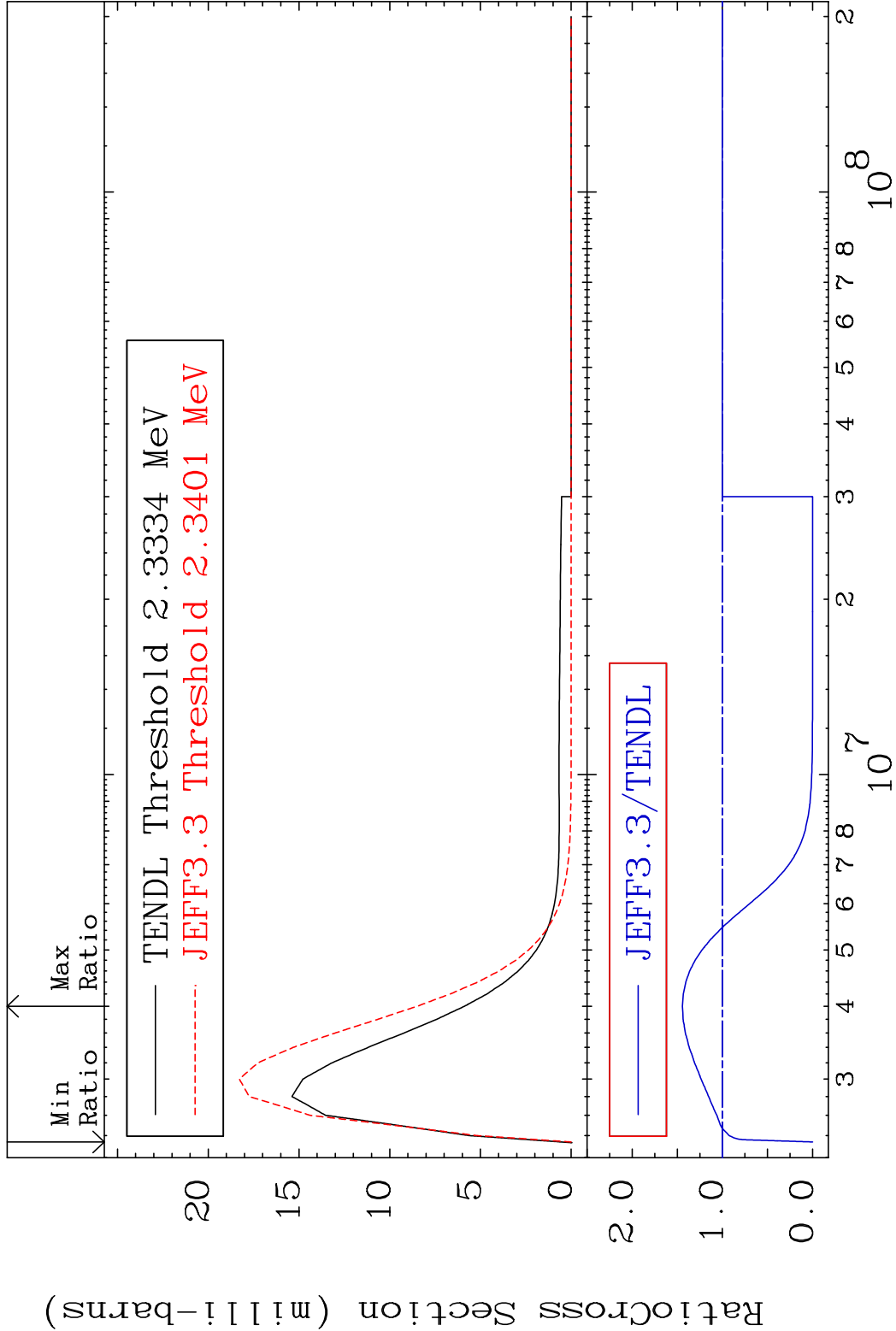
MAT 5431 Dpa disappearance (mt102 -120) 54-Xe-126
 Cross Section -100.0 To 9999. %

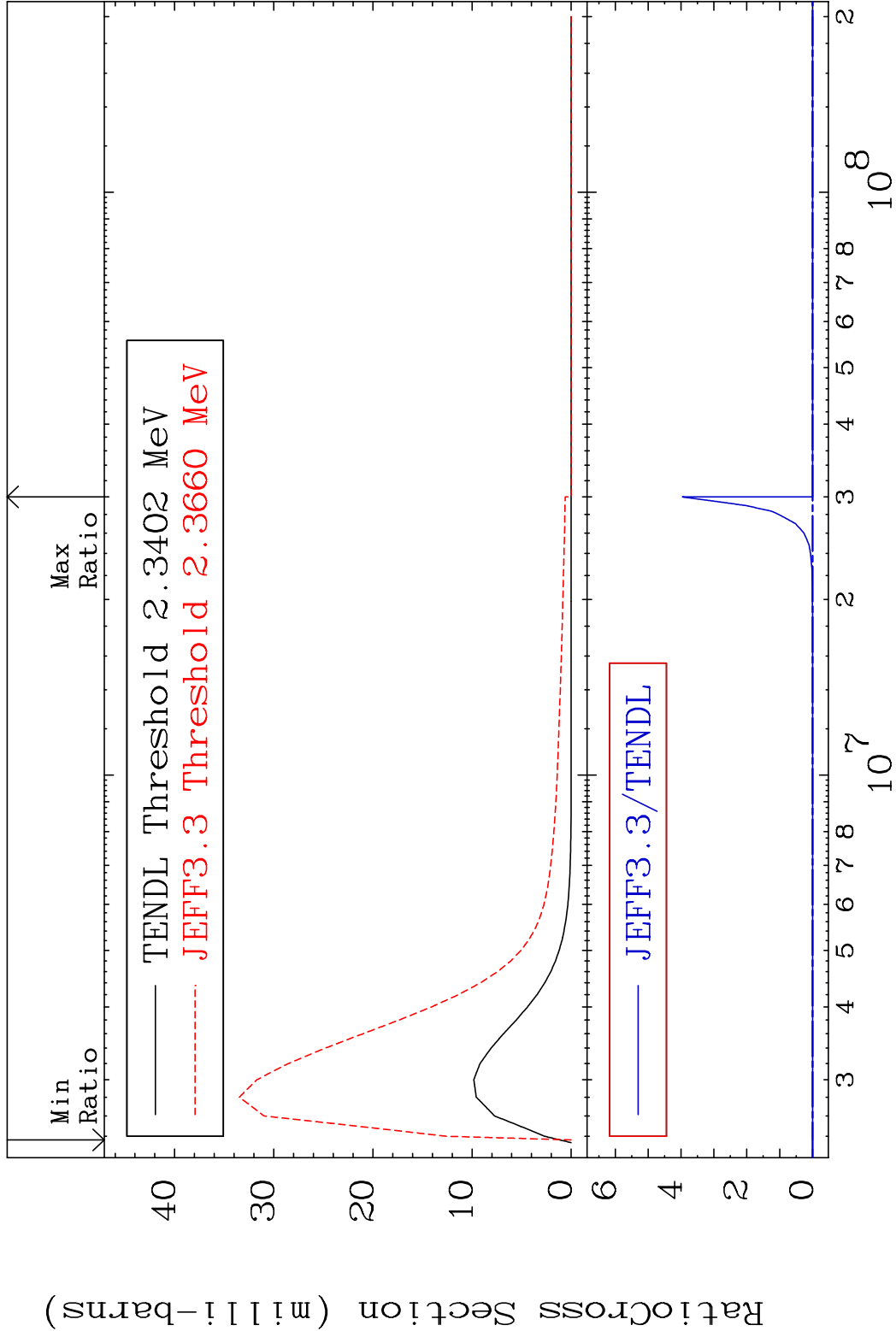


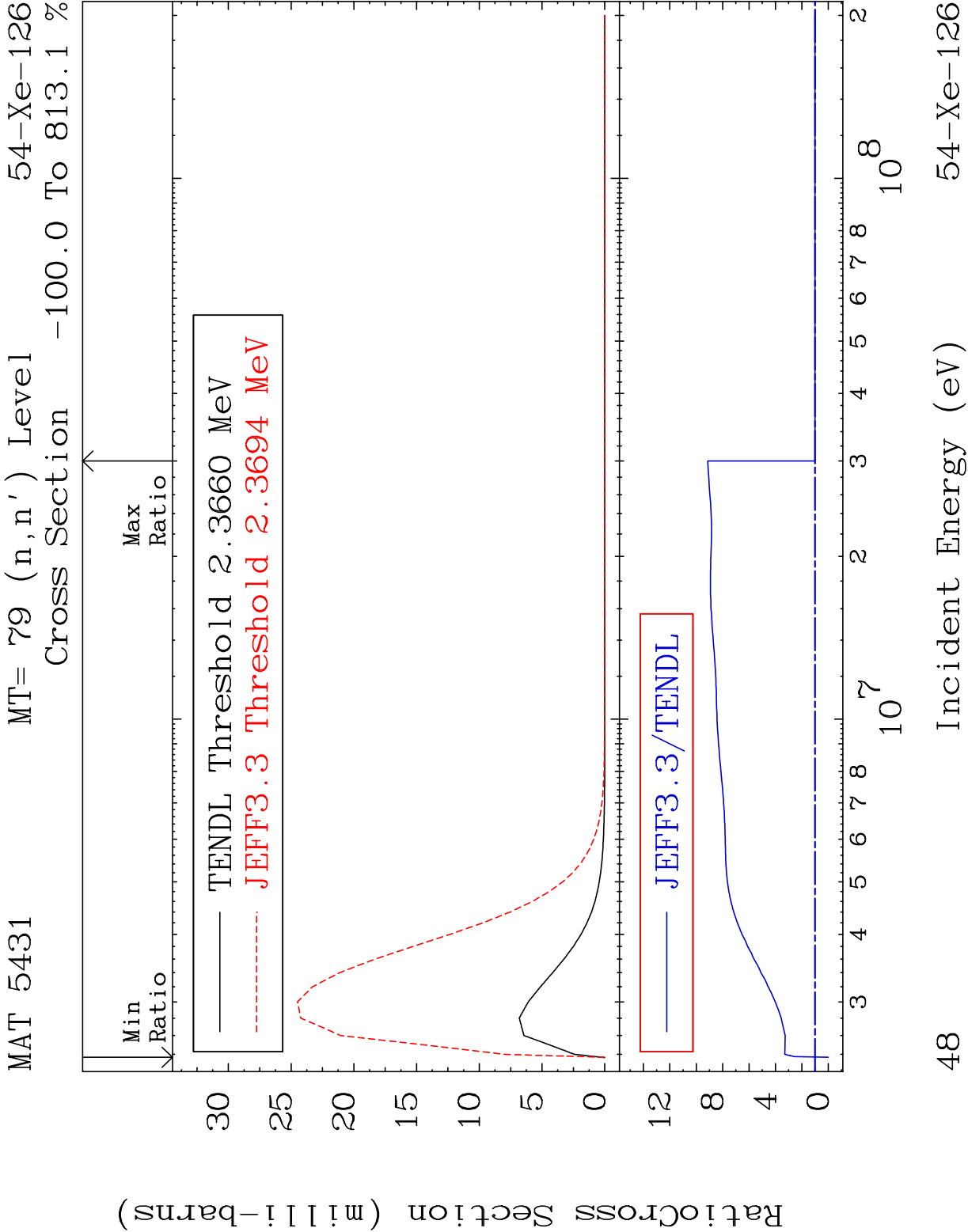
43 Incident Energy (eV) 54-Xe-126

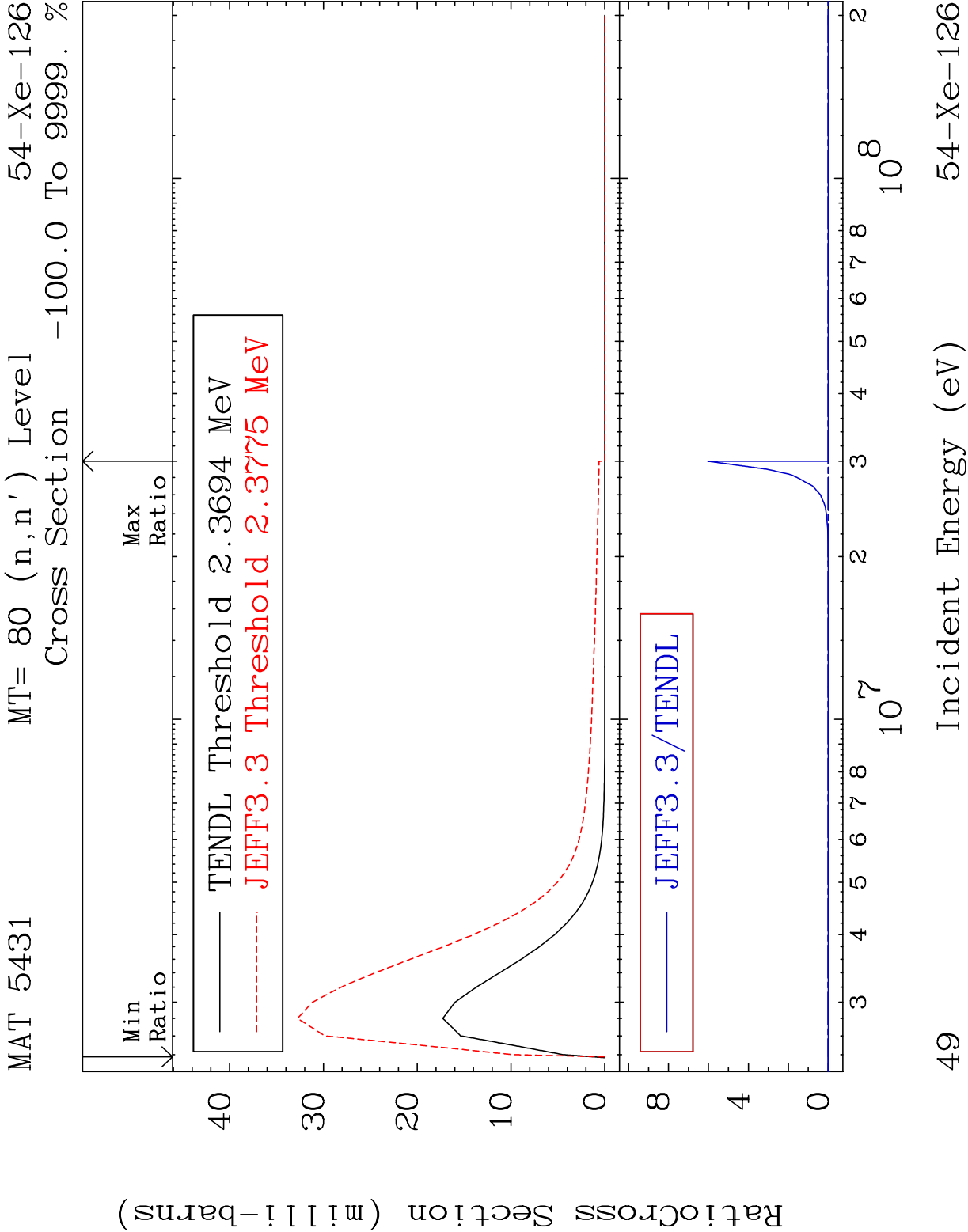


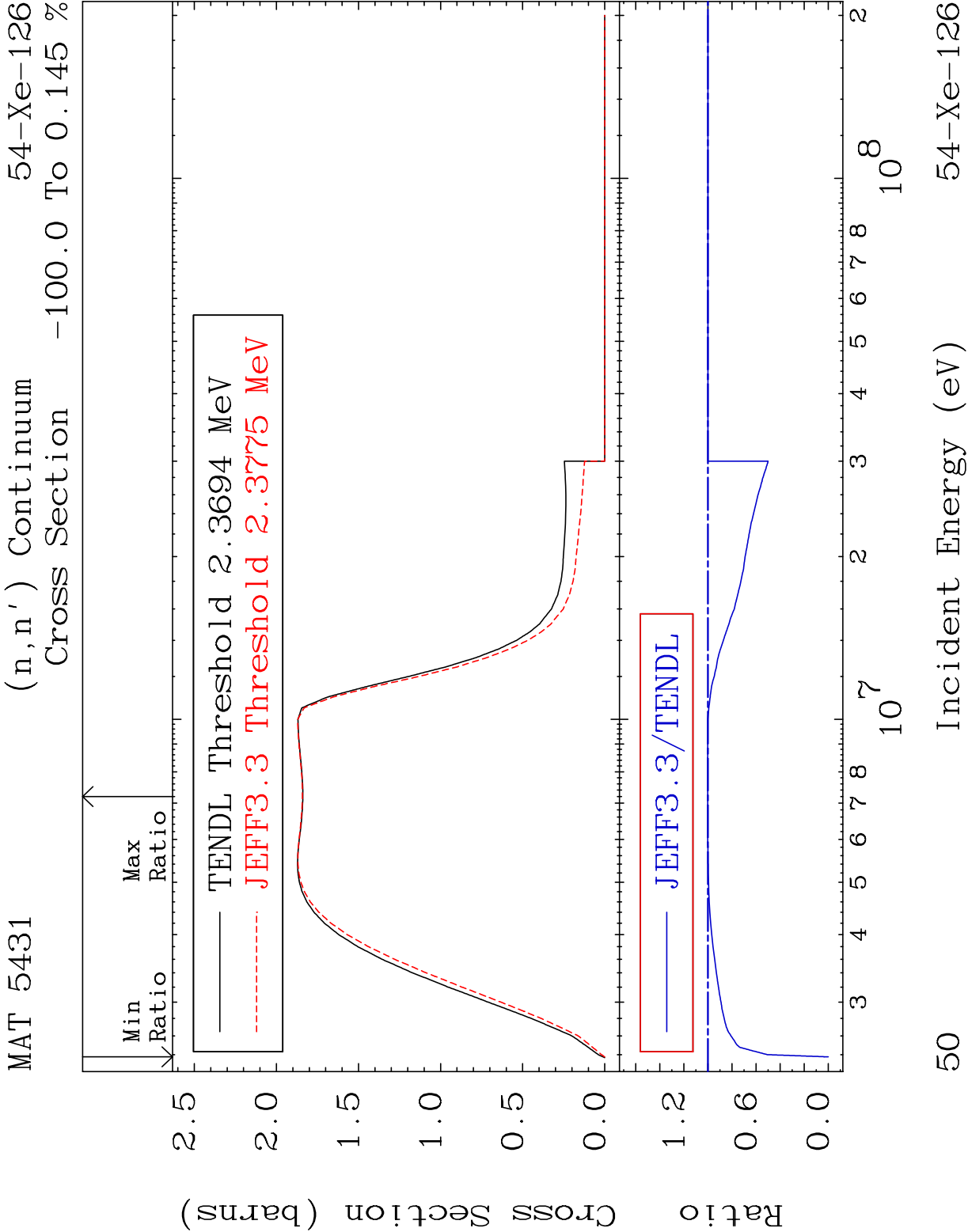
MAT 5431 MT= 77 (n,n') Level 54-Xe-126
Cross Section -100.0 To 44.42 %









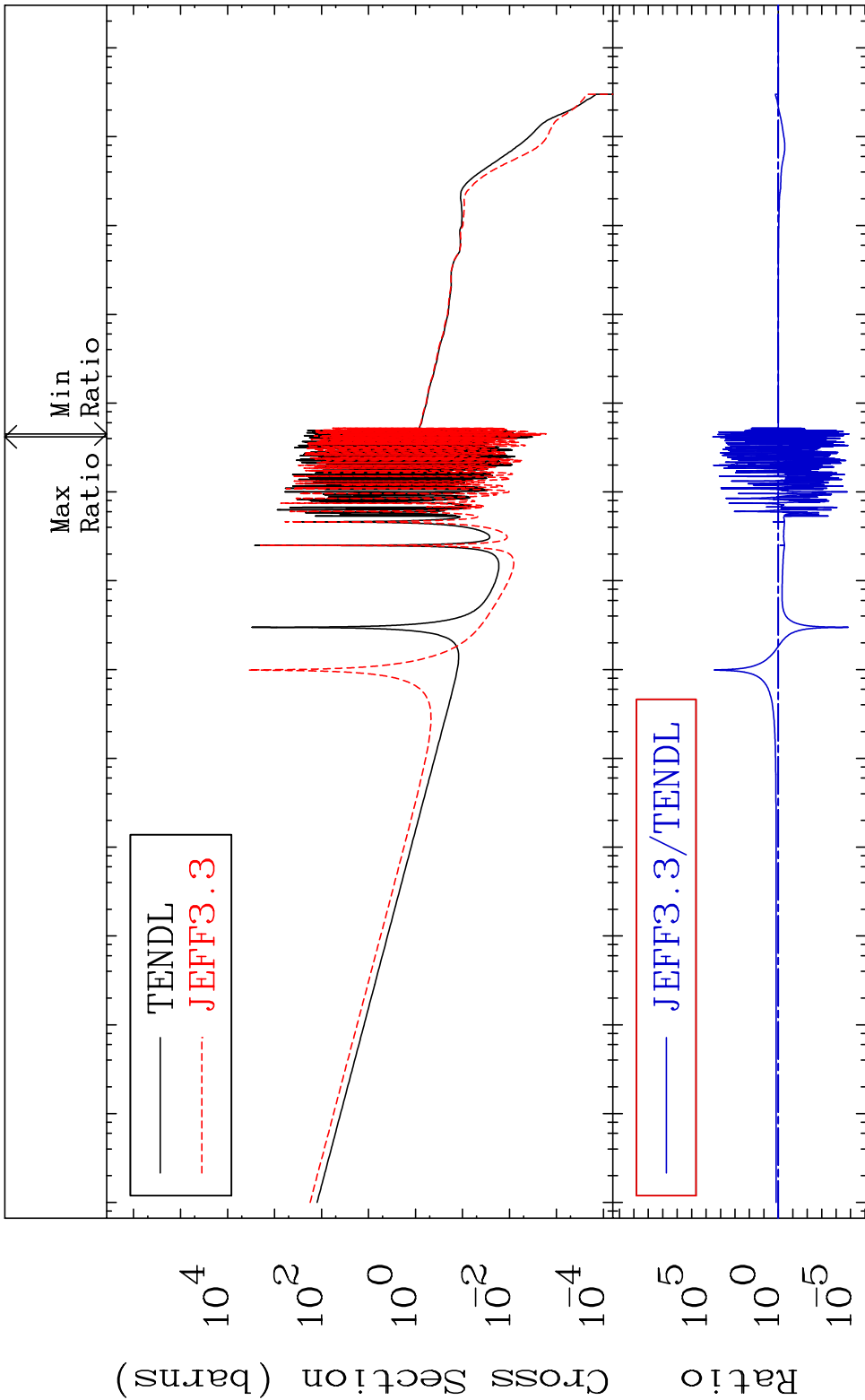


MAT 5431

(n, γ)

54-Xe-126

Cross Section -100.0 To 9999. %

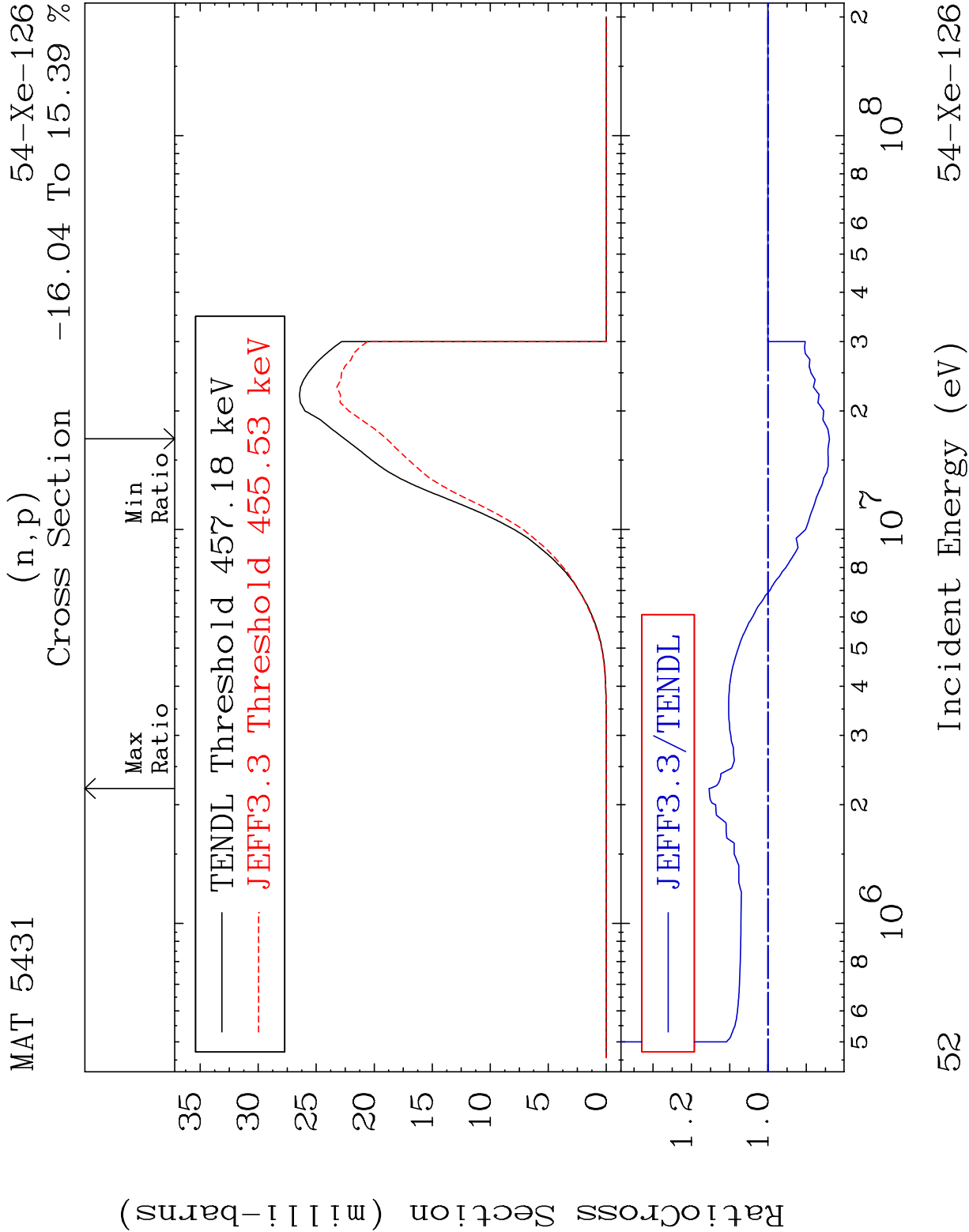


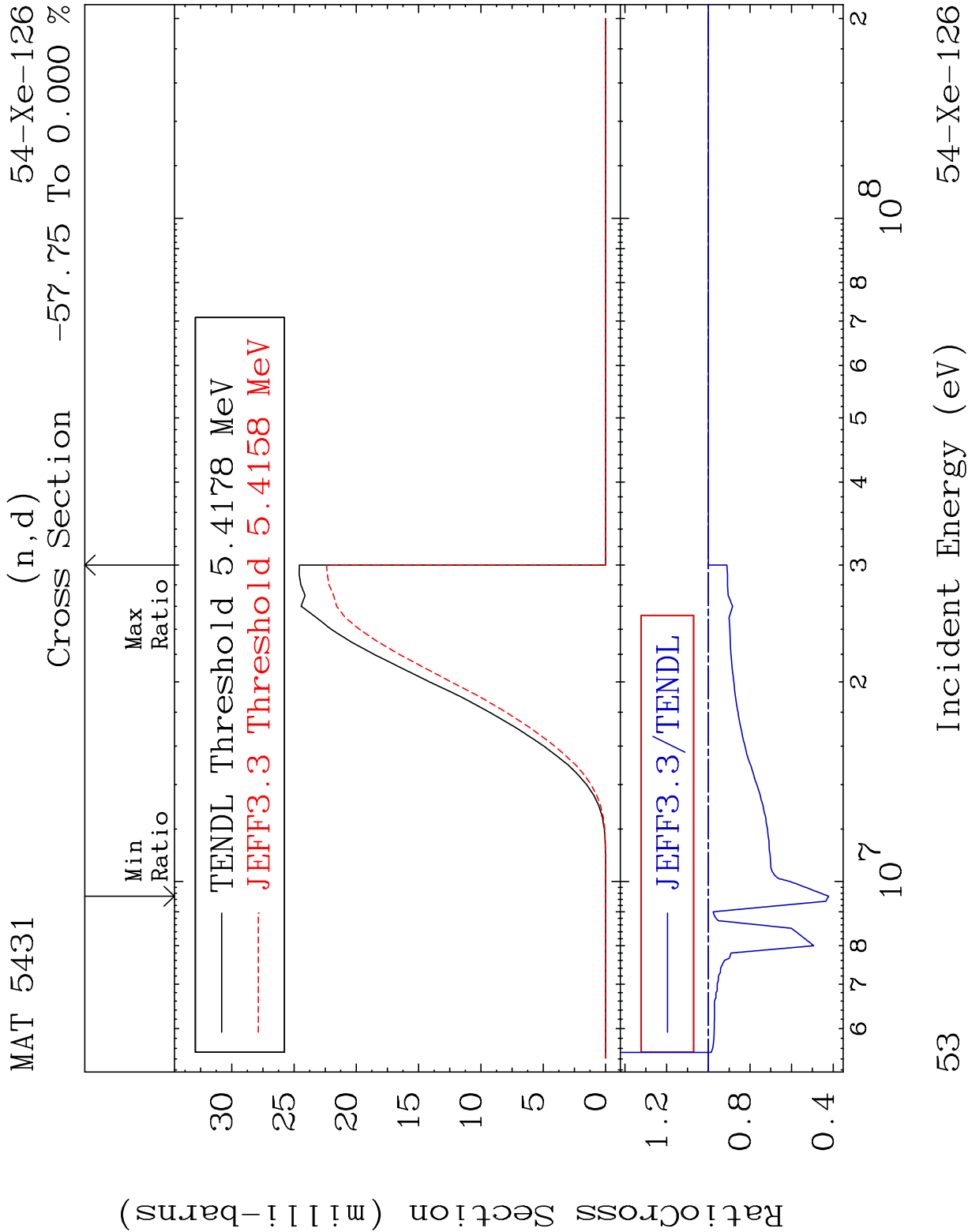
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

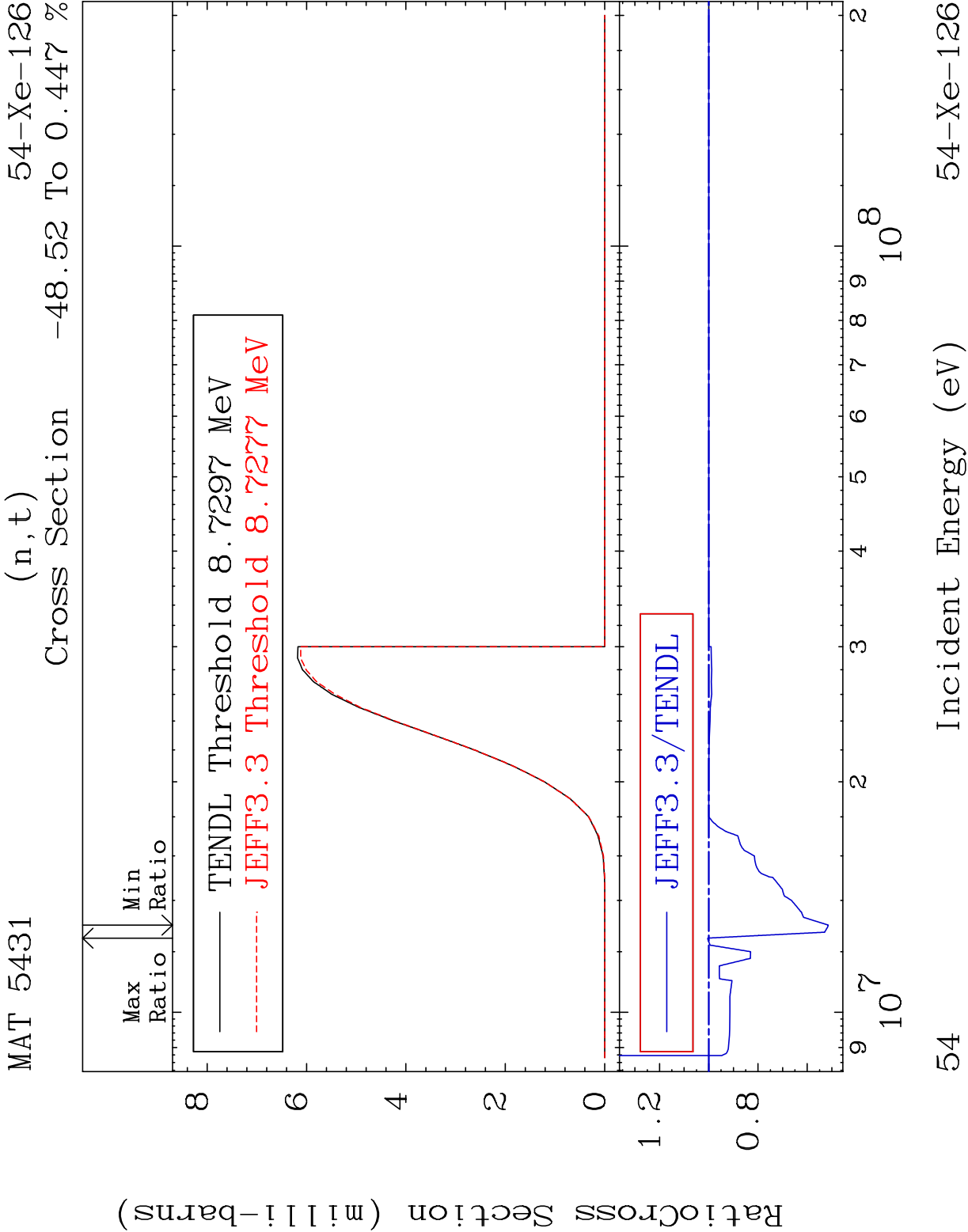
51

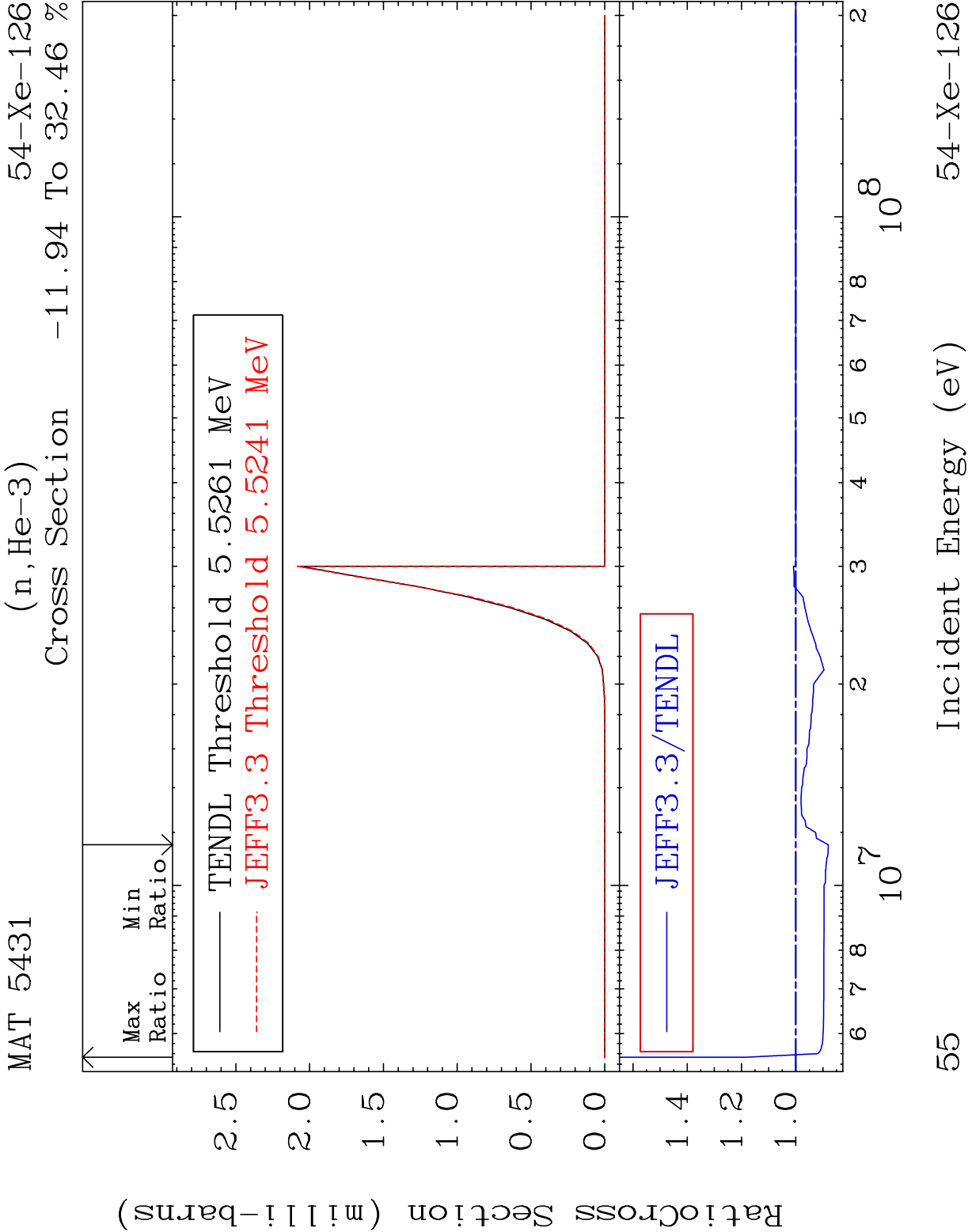
Incident Energy (eV)

54-Xe-126







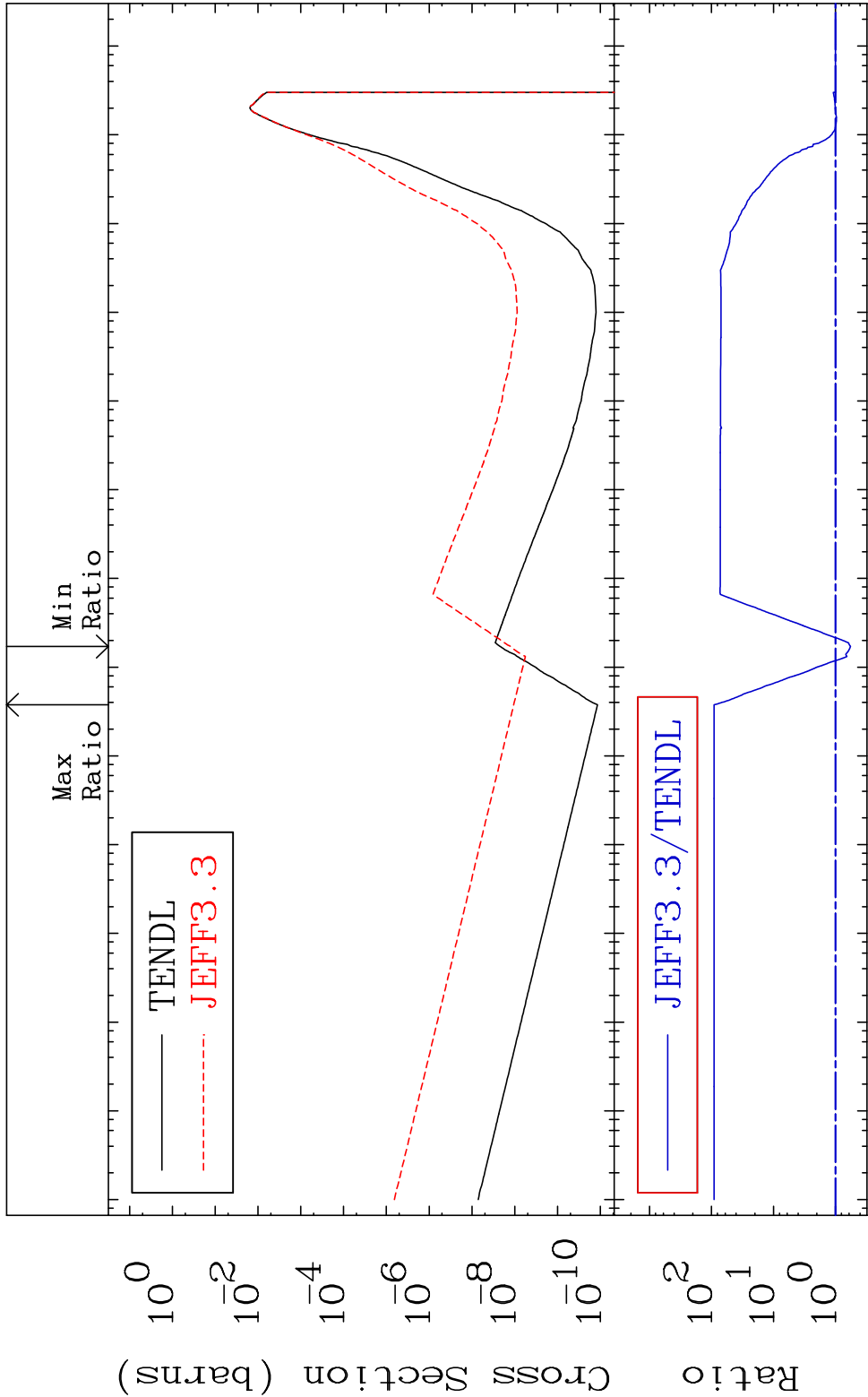


MAT 5431

(n, α)

54-Xe-126

Cross Section -42.93 To 9011. %



56

Incident Energy (eV)

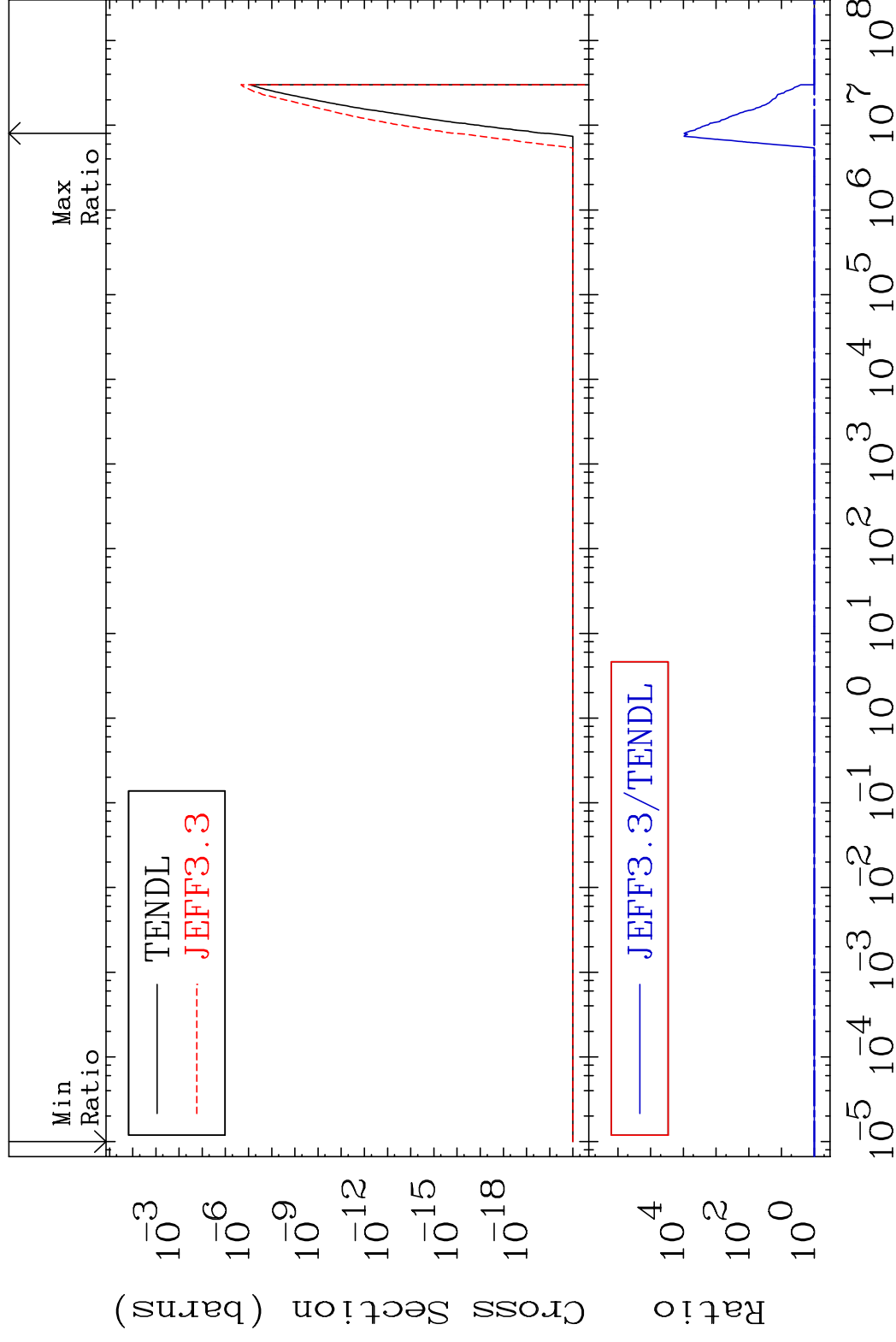
54-Xe-126

MAT 5431

$$(n, 2\alpha)$$

54-Xe-126

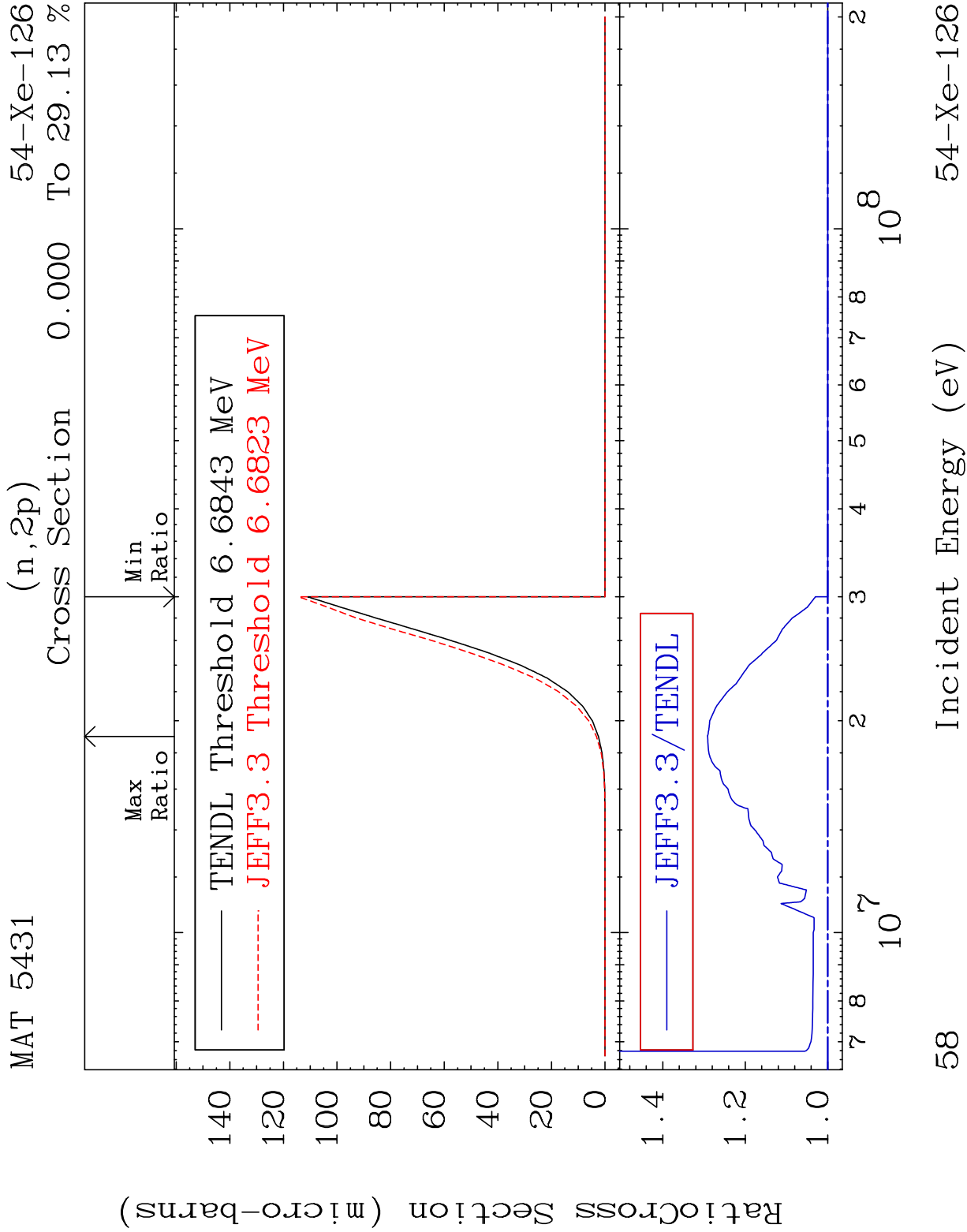
Cross Section	0.000	To 9999. %
1	0.000	0.000
2	0.000	0.000
3	0.000	0.000
4	0.000	0.000
5	0.000	0.000
6	0.000	0.000
7	0.000	0.000
8	0.000	0.000
9	0.000	0.000
10	0.000	0.000
11	0.000	0.000
12	0.000	0.000
13	0.000	0.000
14	0.000	0.000
15	0.000	0.000
16	0.000	0.000
17	0.000	0.000
18	0.000	0.000
19	0.000	0.000
20	0.000	0.000
21	0.000	0.000
22	0.000	0.000
23	0.000	0.000
24	0.000	0.000
25	0.000	0.000
26	0.000	0.000
27	0.000	0.000
28	0.000	0.000
29	0.000	0.000
30	0.000	0.000
31	0.000	0.000
32	0.000	0.000
33	0.000	0.000
34	0.000	0.000
35	0.000	0.000
36	0.000	0.000
37	0.000	0.000
38	0.000	0.000
39	0.000	0.000
40	0.000	0.000
41	0.000	0.000
42	0.000	0.000
43	0.000	0.000
44	0.000	0.000
45	0.000	0.000
46	0.000	0.000
47	0.000	0.000
48	0.000	0.000
49	0.000	0.000
50	0.000	0.000
51	0.000	0.000
52	0.000	0.000
53	0.000	0.000
54	0.000	0.000
55	0.000	0.000
56	0.000	0.000
57	0.000	0.000
58	0.000	0.000
59	0.000	0.000
60	0.000	0.000
61	0.000	0.000
62	0.000	0.000
63	0.000	0.000
64	0.000	0.000
65	0.000	0.000
66	0.000	0.000
67	0.000	0.000
68	0.000	0.000
69	0.000	0.000
70	0.000	0.000
71	0.000	0.000
72	0.000	0.000
73	0.000	0.000
74	0.000	0.000
75	0.000	0.000
76	0.000	0.000
77	0.000	0.000
78	0.000	0.000
79	0.000	0.000
80	0.000	0.000
81	0.000	0.000
82	0.000	0.000
83	0.000	0.000
84	0.000	0.000
85	0.000	0.000
86	0.000	0.000
87	0.000	0.000
88	0.000	0.000
89	0.000	0.000
90	0.000	0.000
91	0.000	0.000
92	0.000	0.000
93	0.000	0.000
94	0.000	0.000
95	0.000	0.000
96	0.000	0.000
97	0.000	0.000
98	0.000	0.000
99	0.000	0.000
100	0.000	0.000

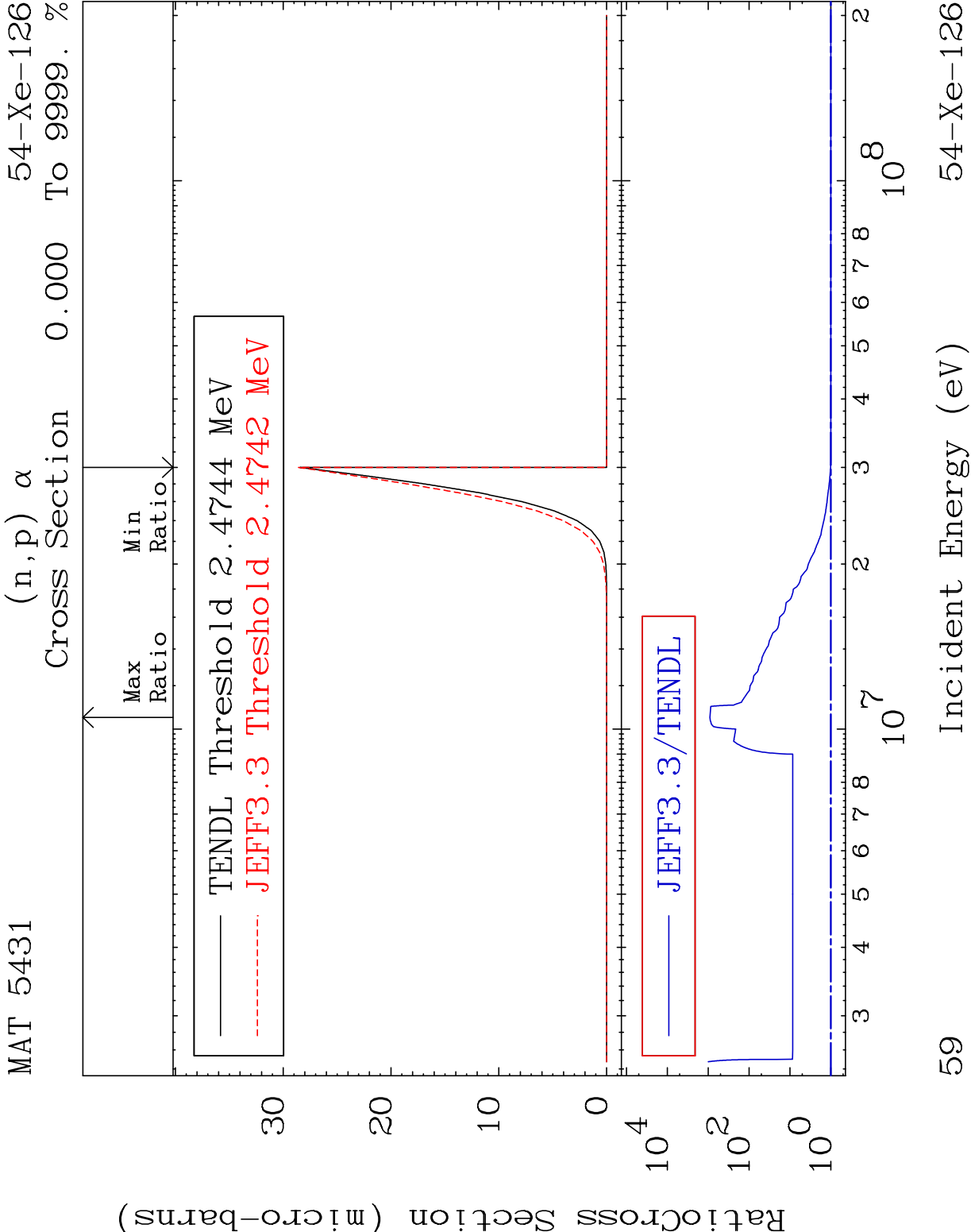


25

Incident Energy (eV)

54-Xe-126



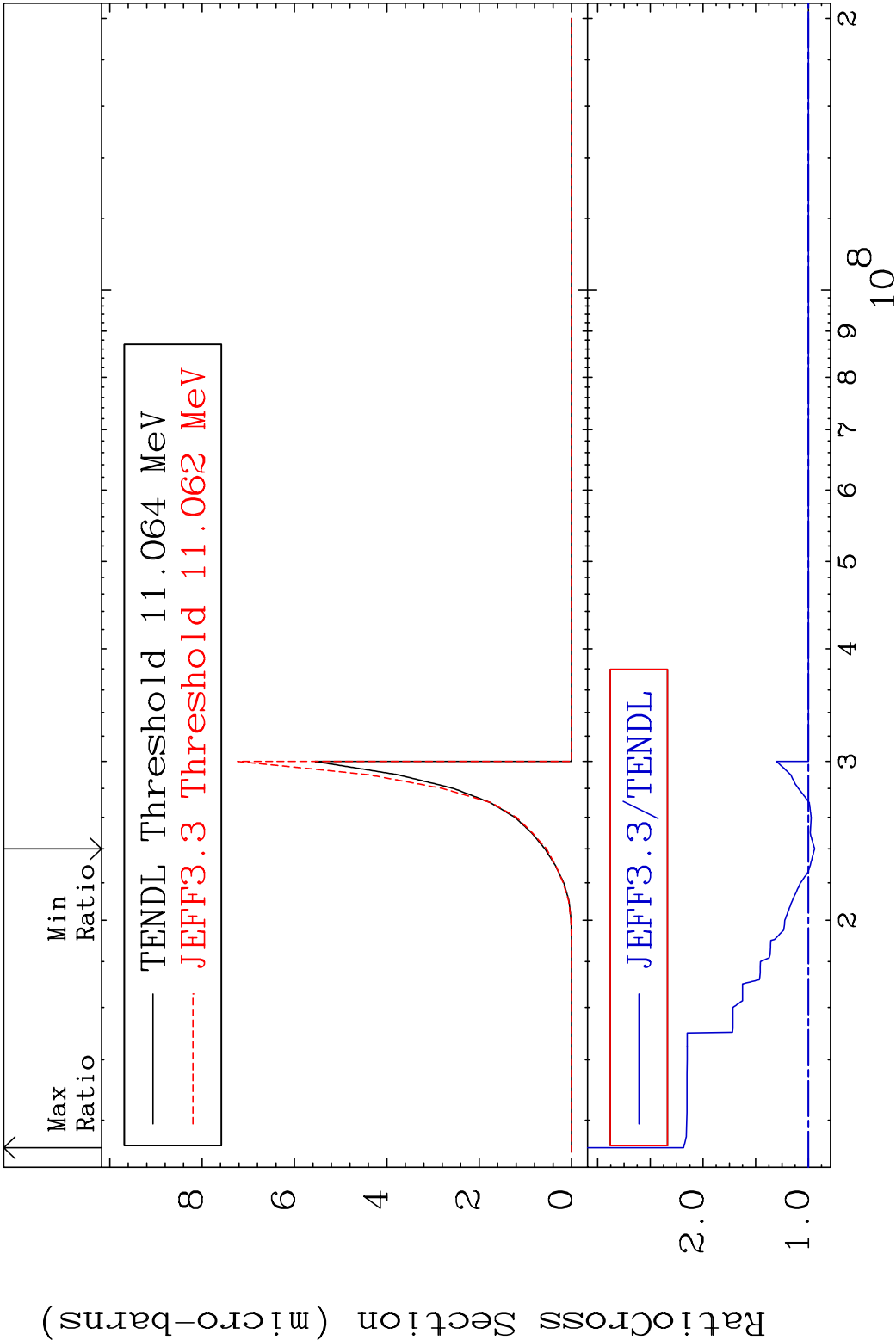


MAT 5431

(n,p) d

54-Xe-126

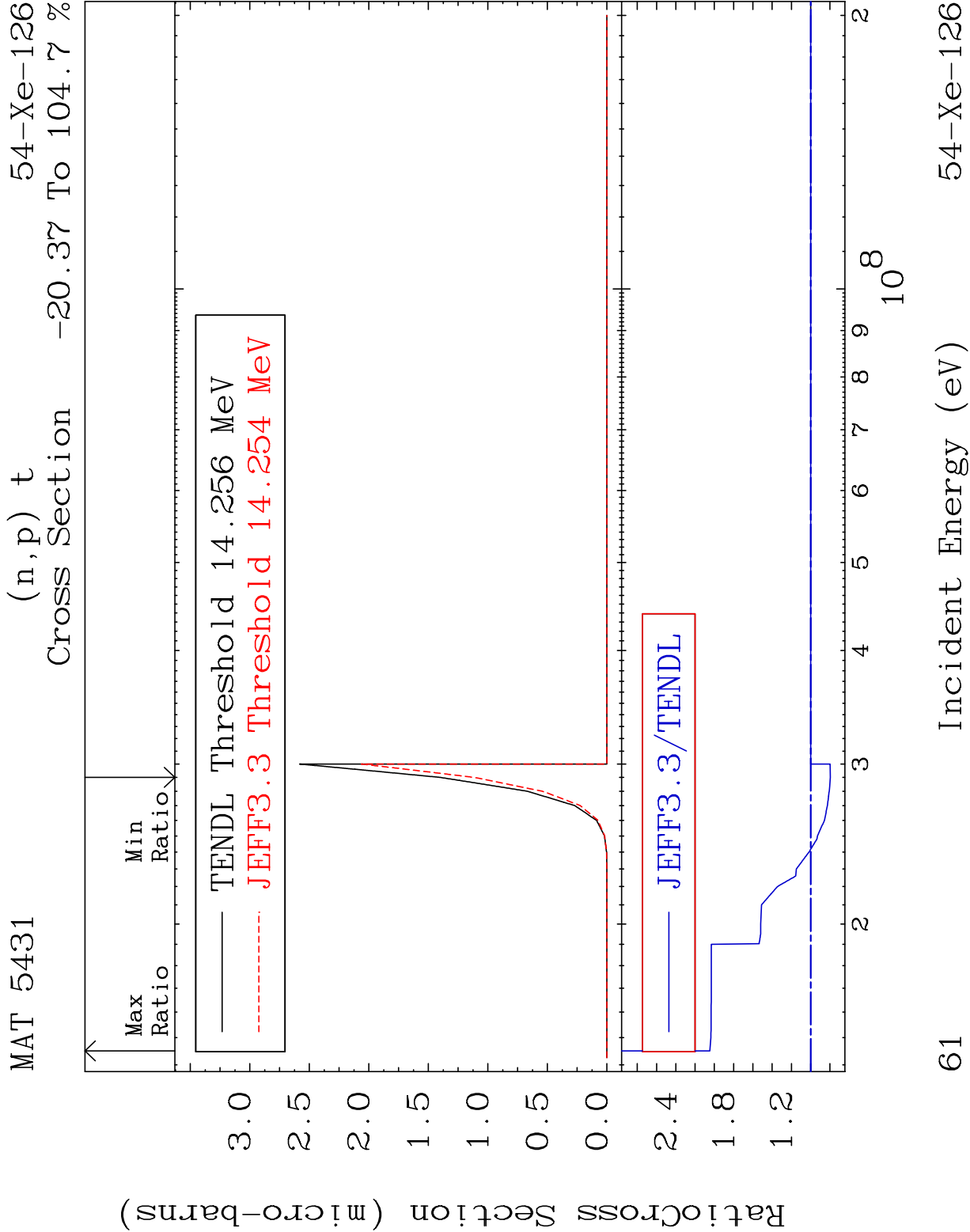
Cross Section -5.897 To 118.5 %

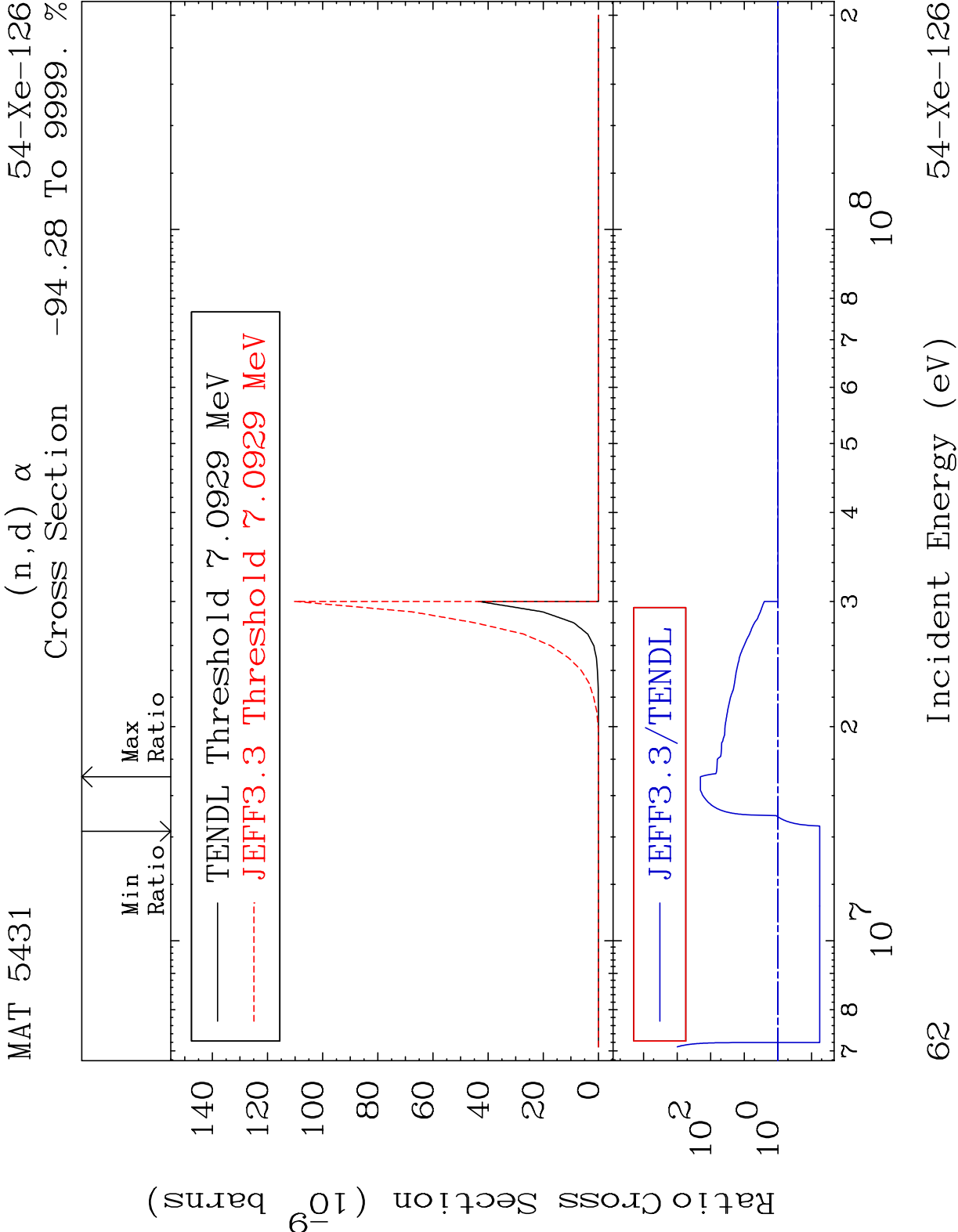


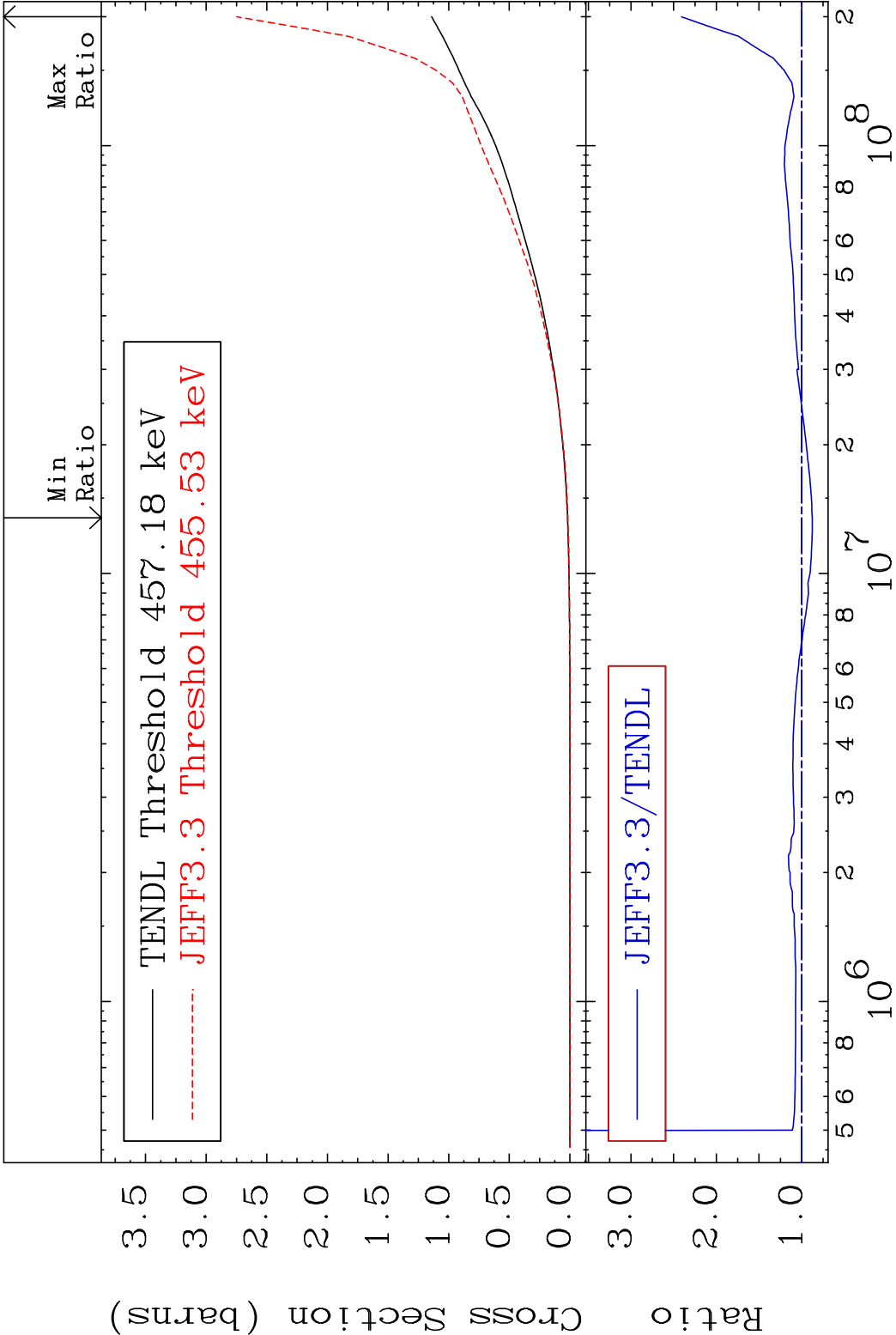
60

Incident Energy (eV)

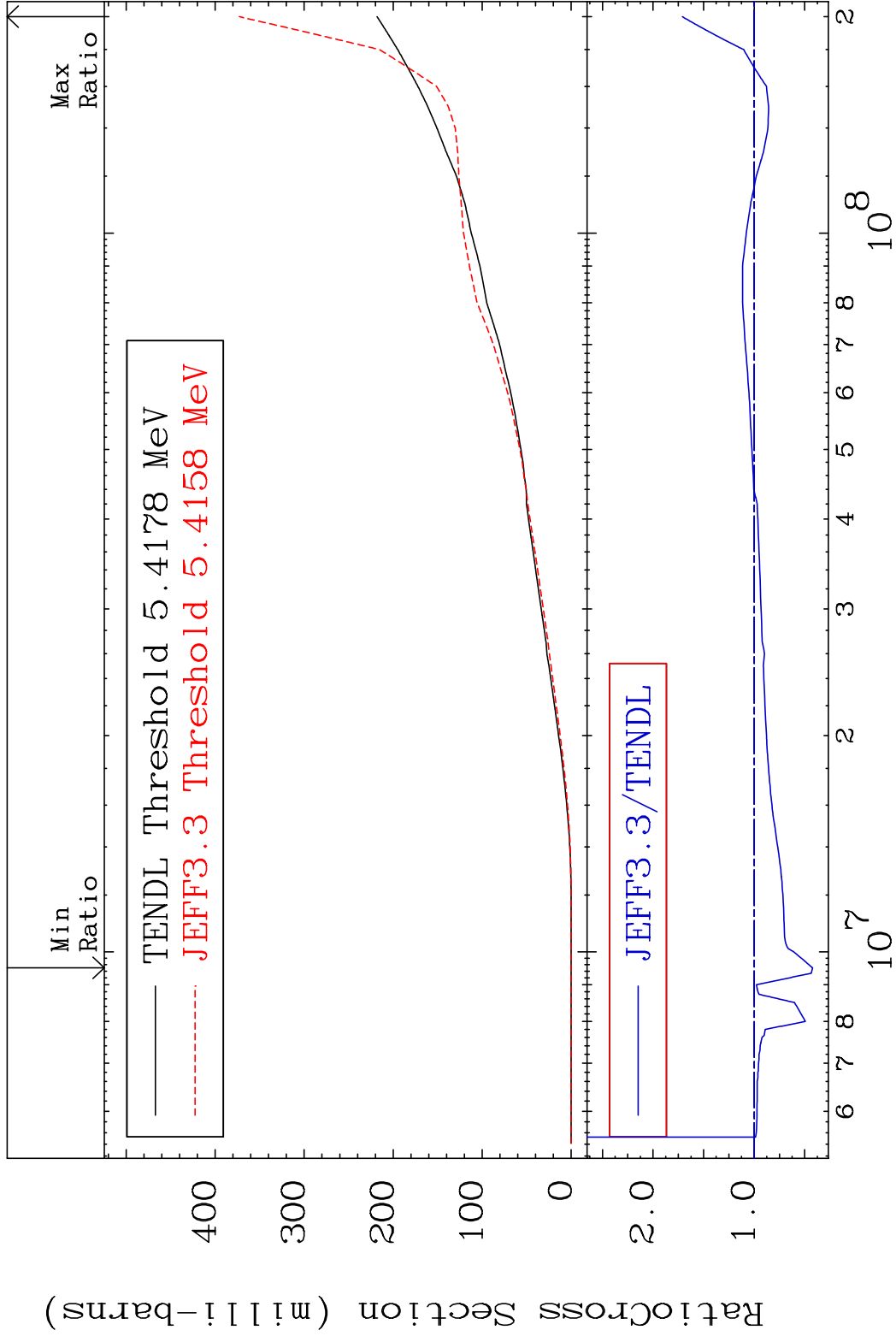
54-Xe-126



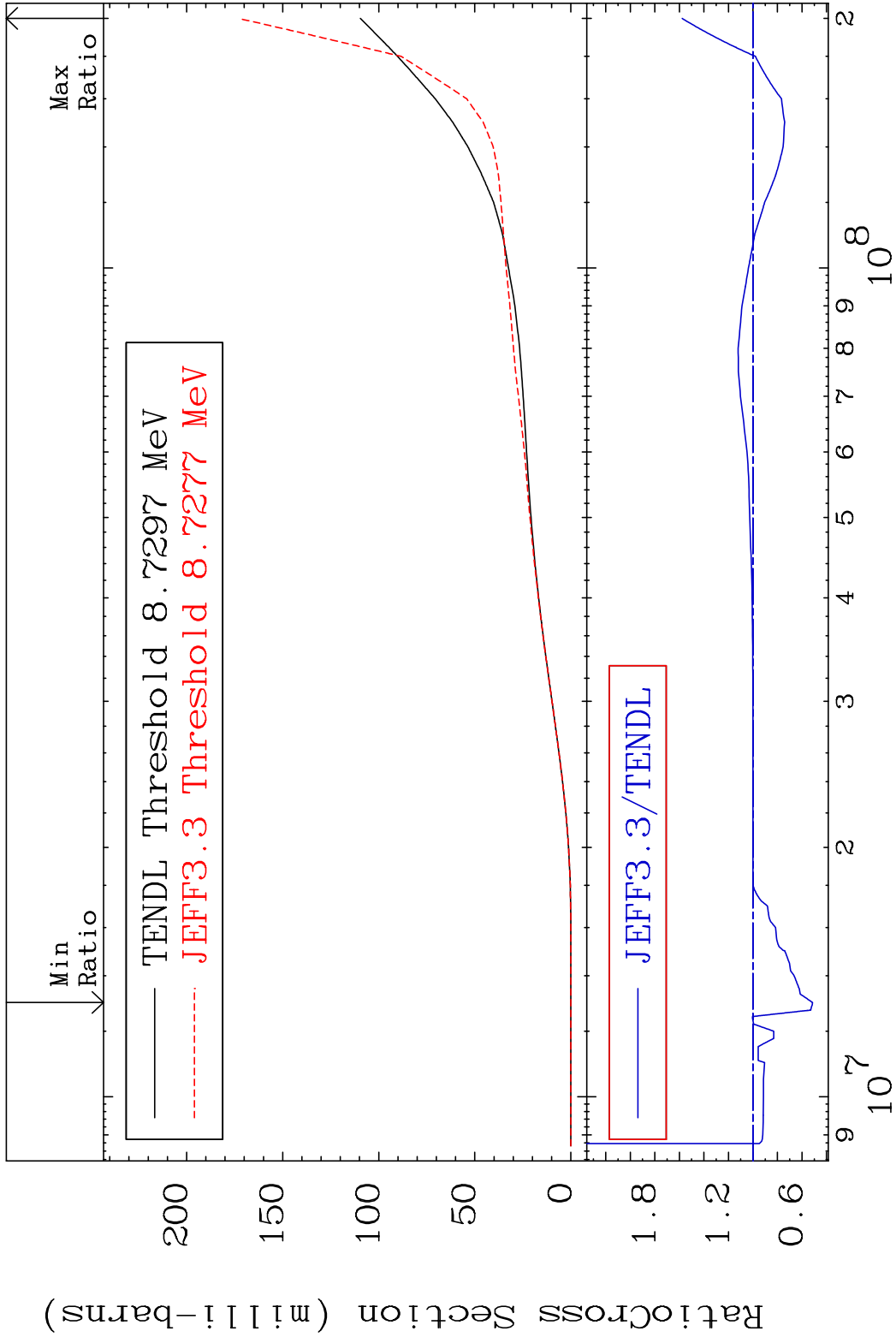




MAT 5431 Deuterium Production 54-Xe-126
Cross Section -57.75 To 71.00 %



MAT 5431 Tritium Production 54-Xe-126
Cross Section -48.52 To 57.70 %



65 Incident Energy (eV) 54-Xe-126

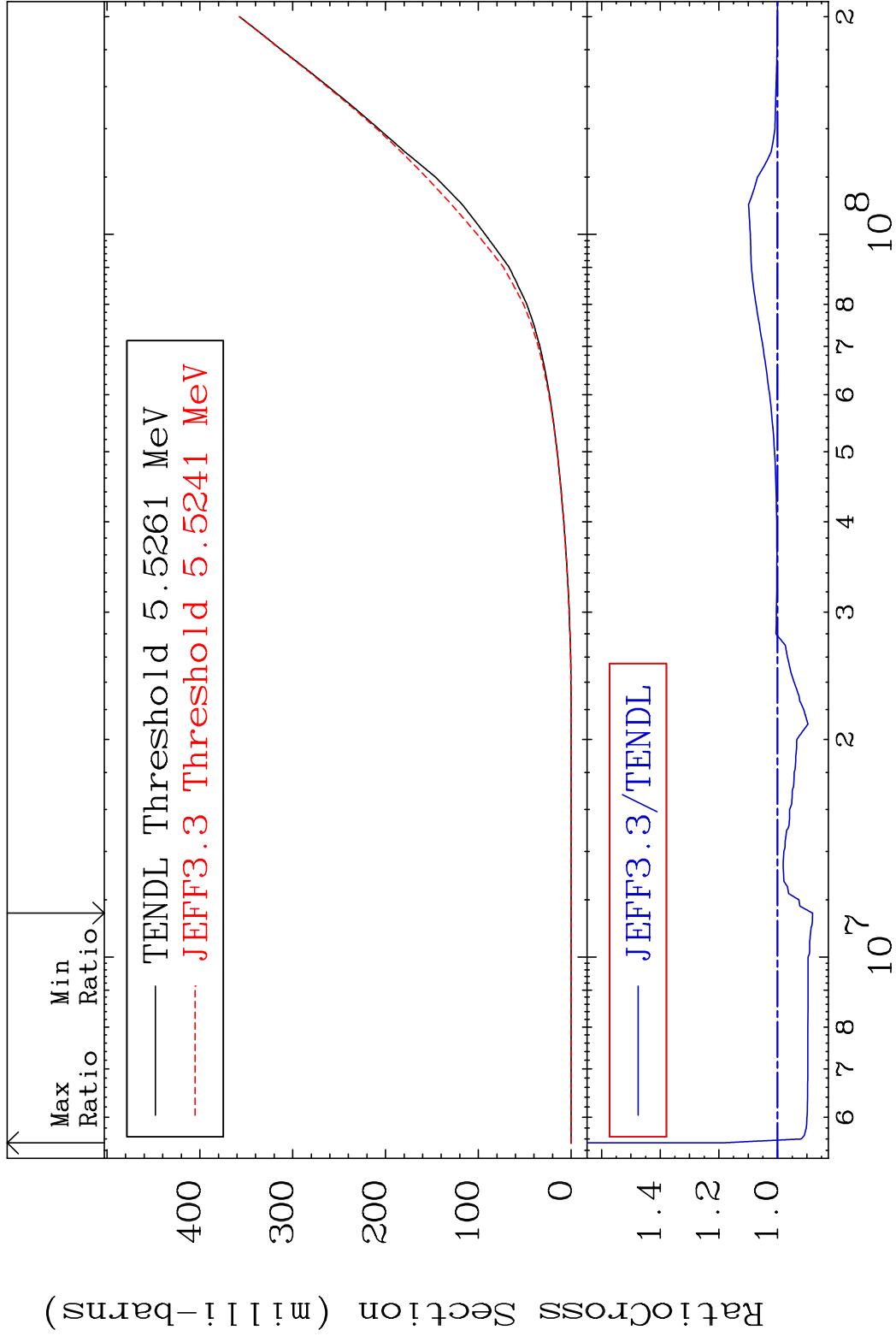
MAT 5431

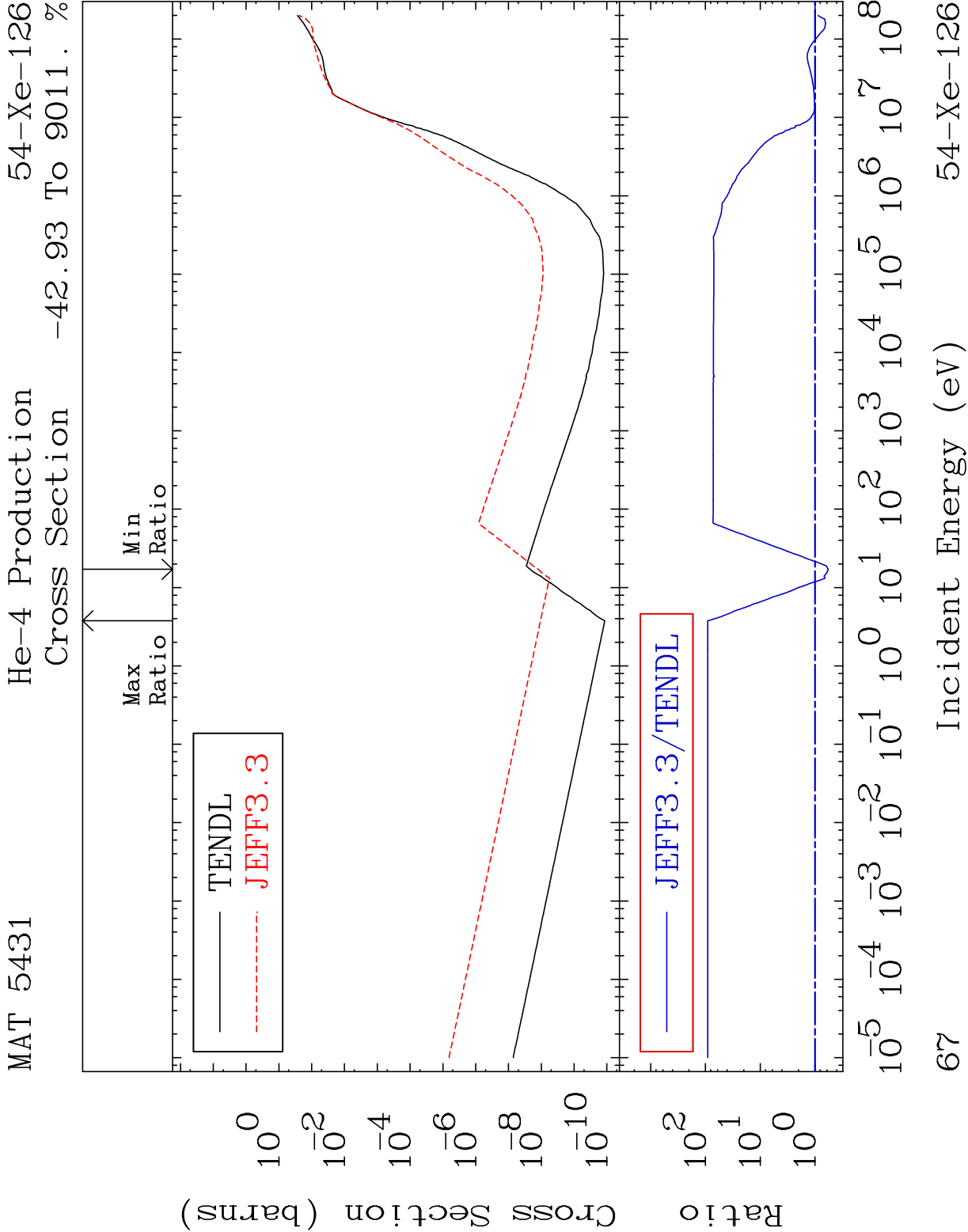
He-3 Production

54-Xe-126

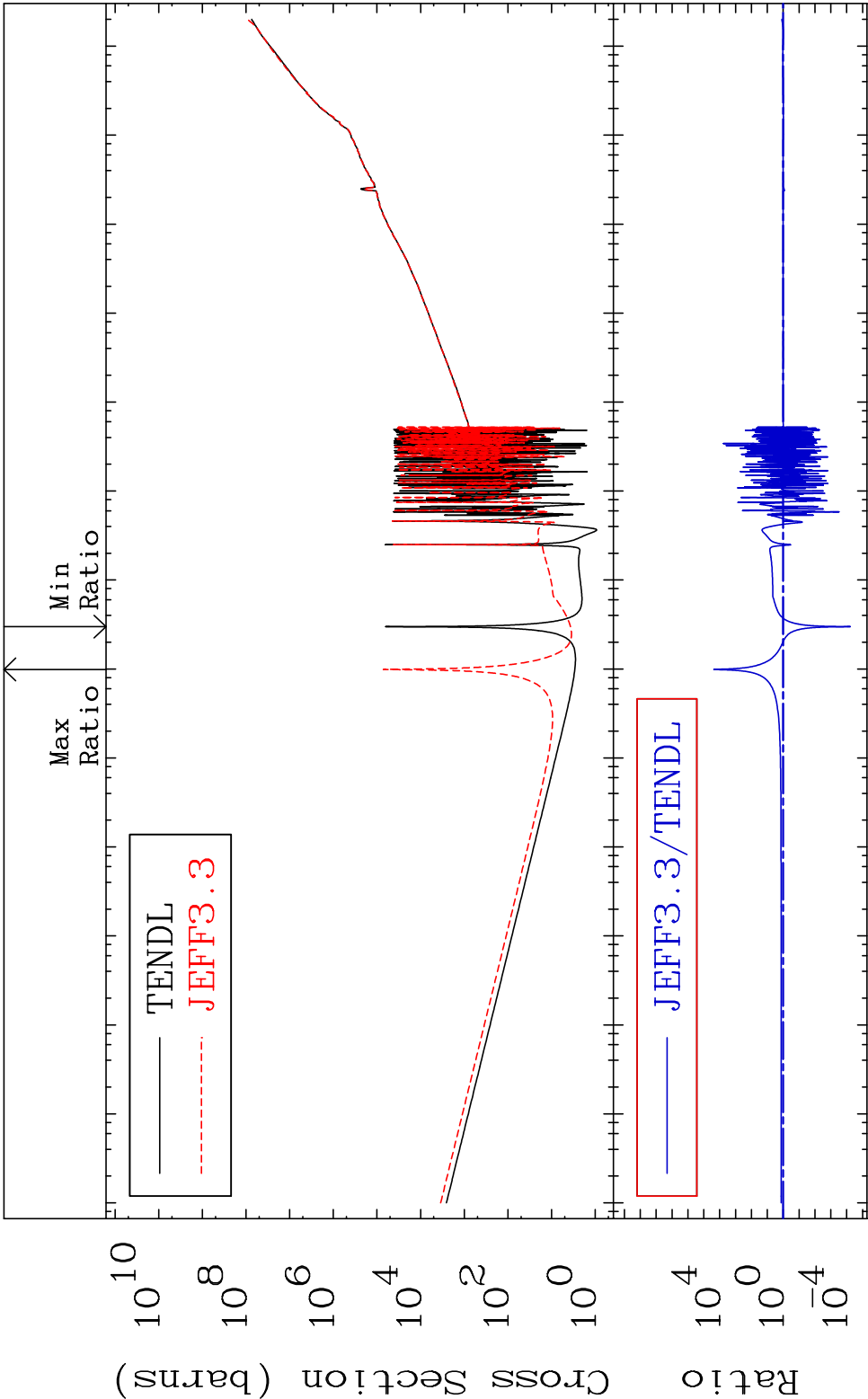
Cross Section

-11.94 To 32.46 %



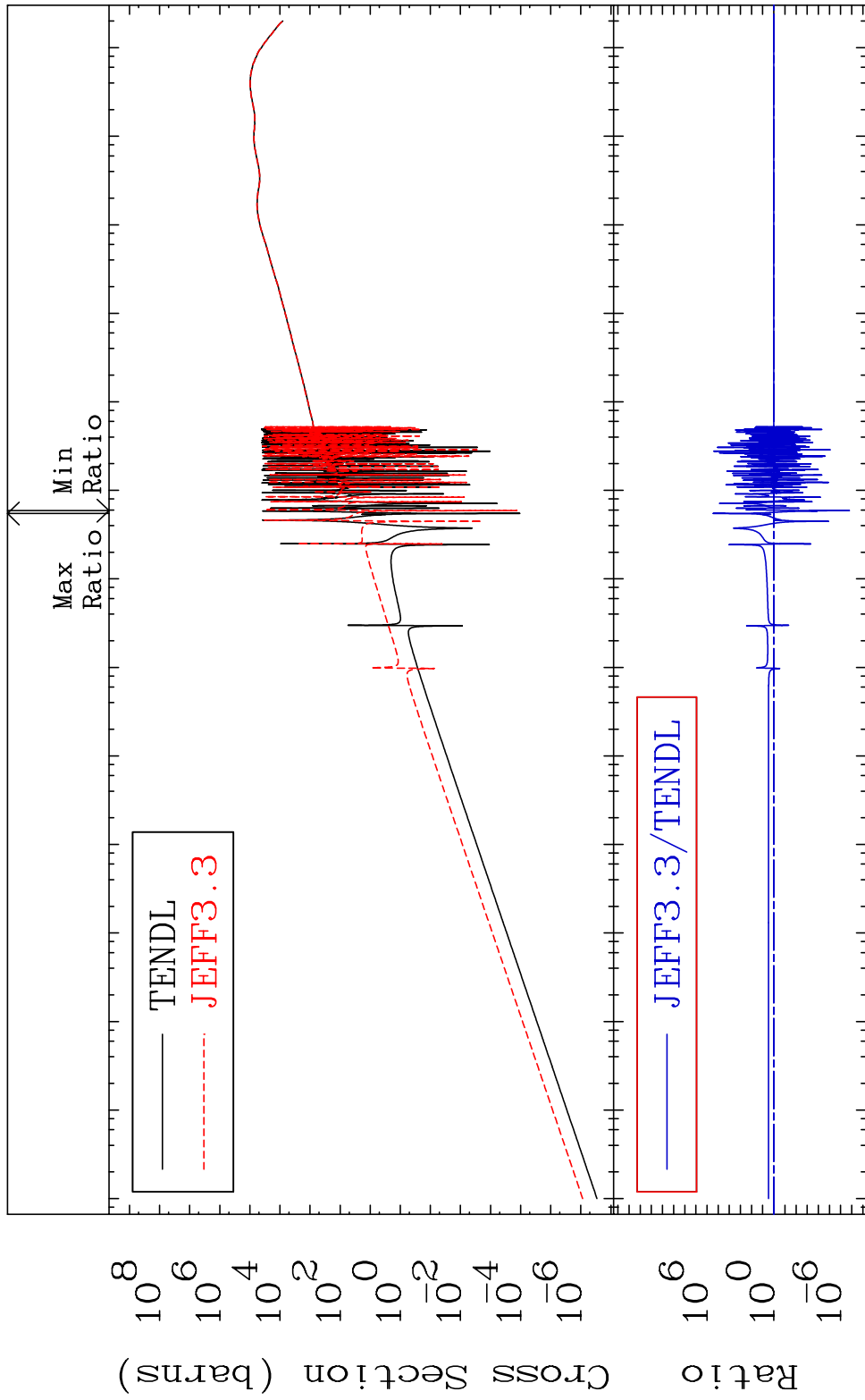


MAT 5431	Kerma total (eV-barns)	54-Xe-126
	Cross Section	-99.99 To 9999. %



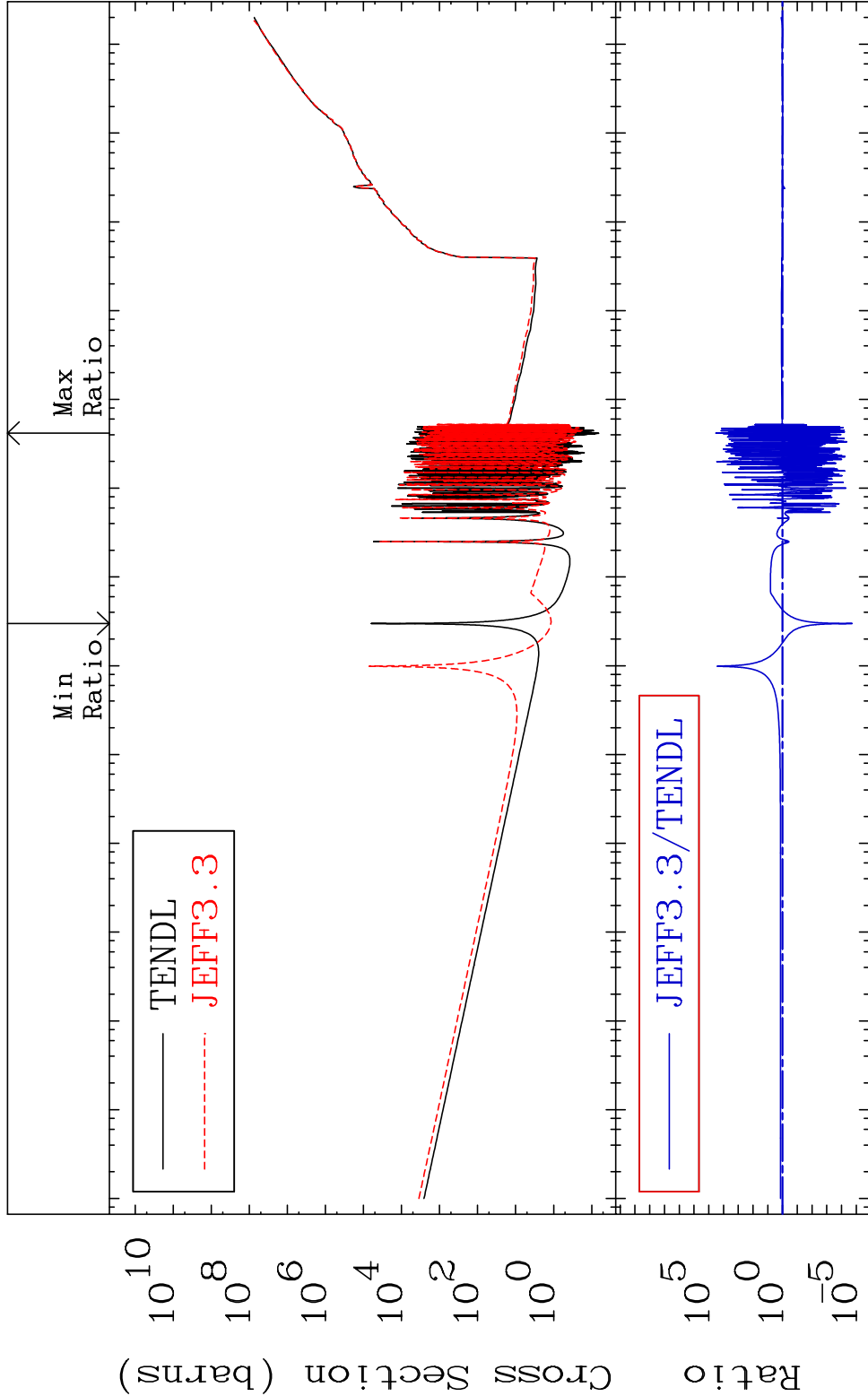
MAT 5431

Kerma elastic
Cross Section 54-Xe-126
-100.0 To 9999. %

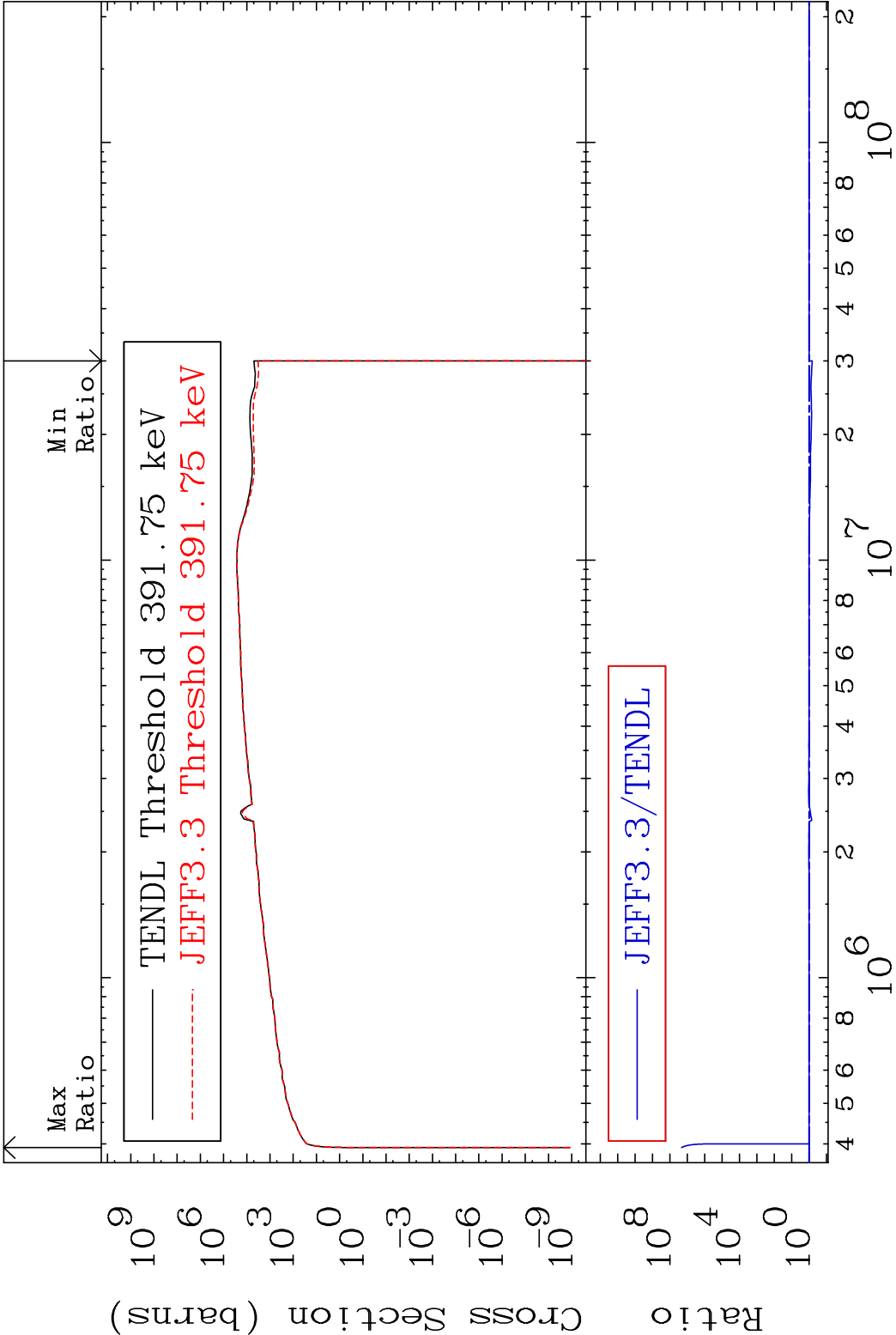


MAT 5431 Kerma non-elastic (all but mt2) 54-Xe-126

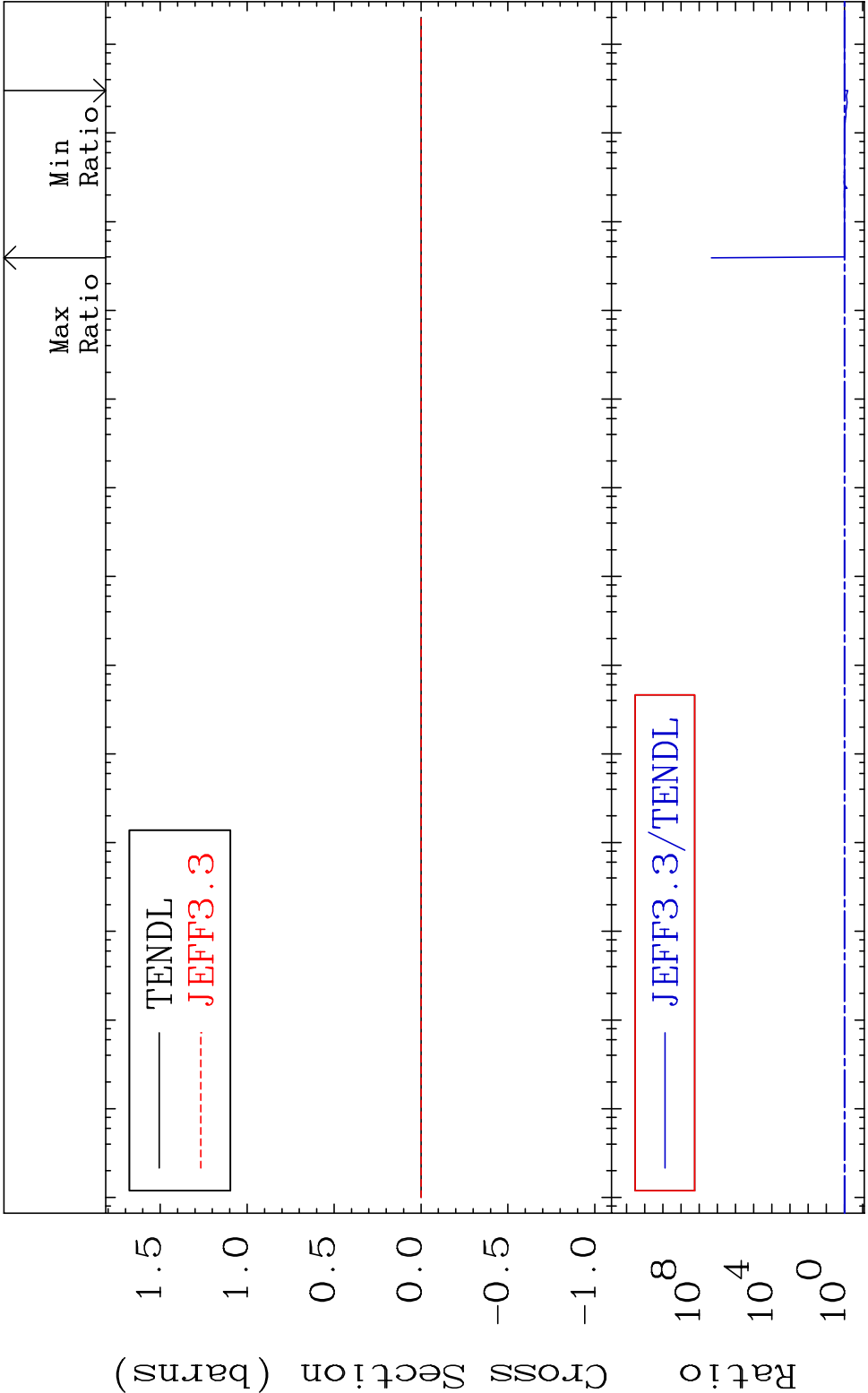
Cross Section -100.0 To 9999. %

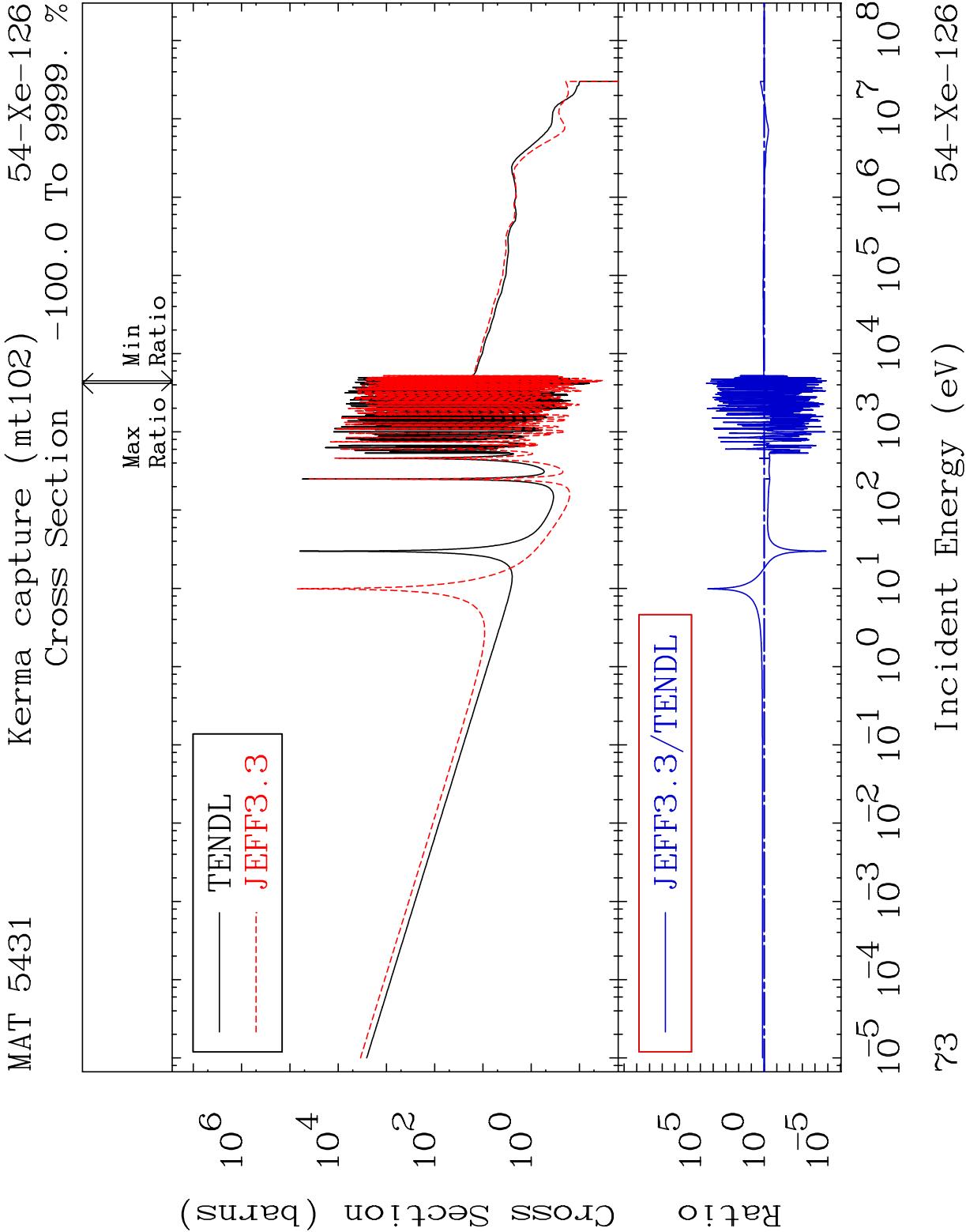


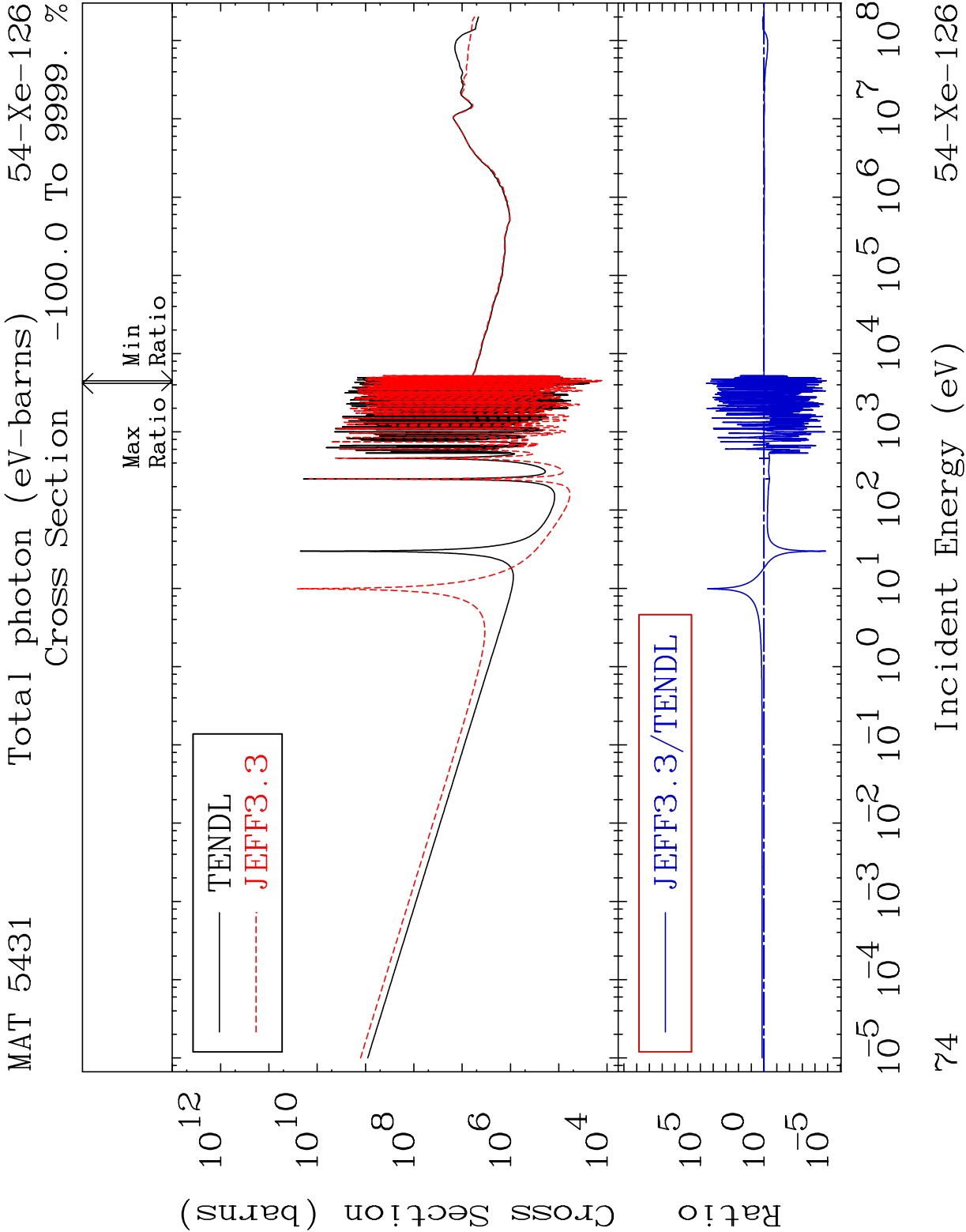
70 Incident Energy (eV) 54-Xe-126



MAT 5431 Kerma fission (mt18 or mt19-20-21-38)54-Xe-126
Cross Section -34.38 To 9999. %

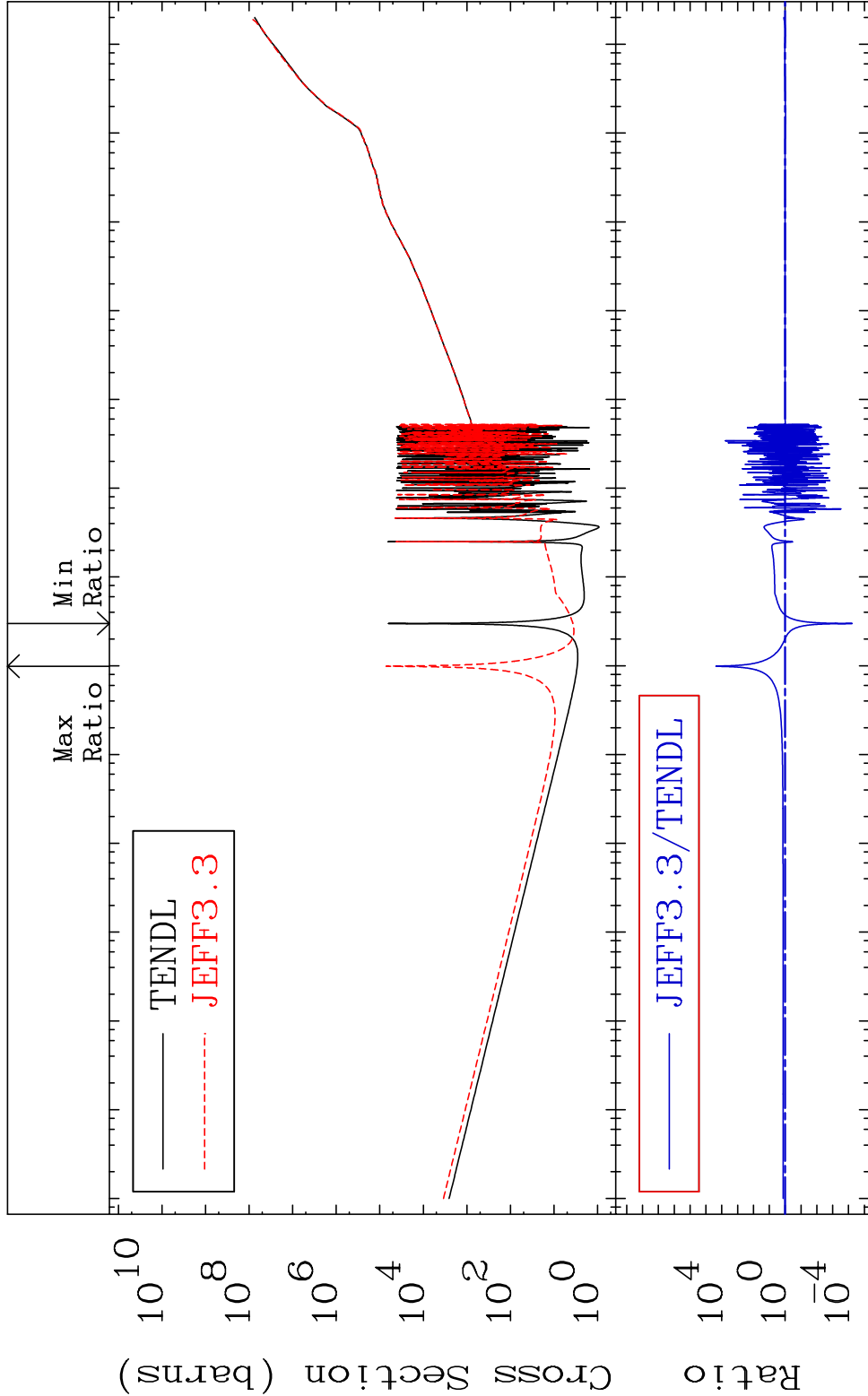


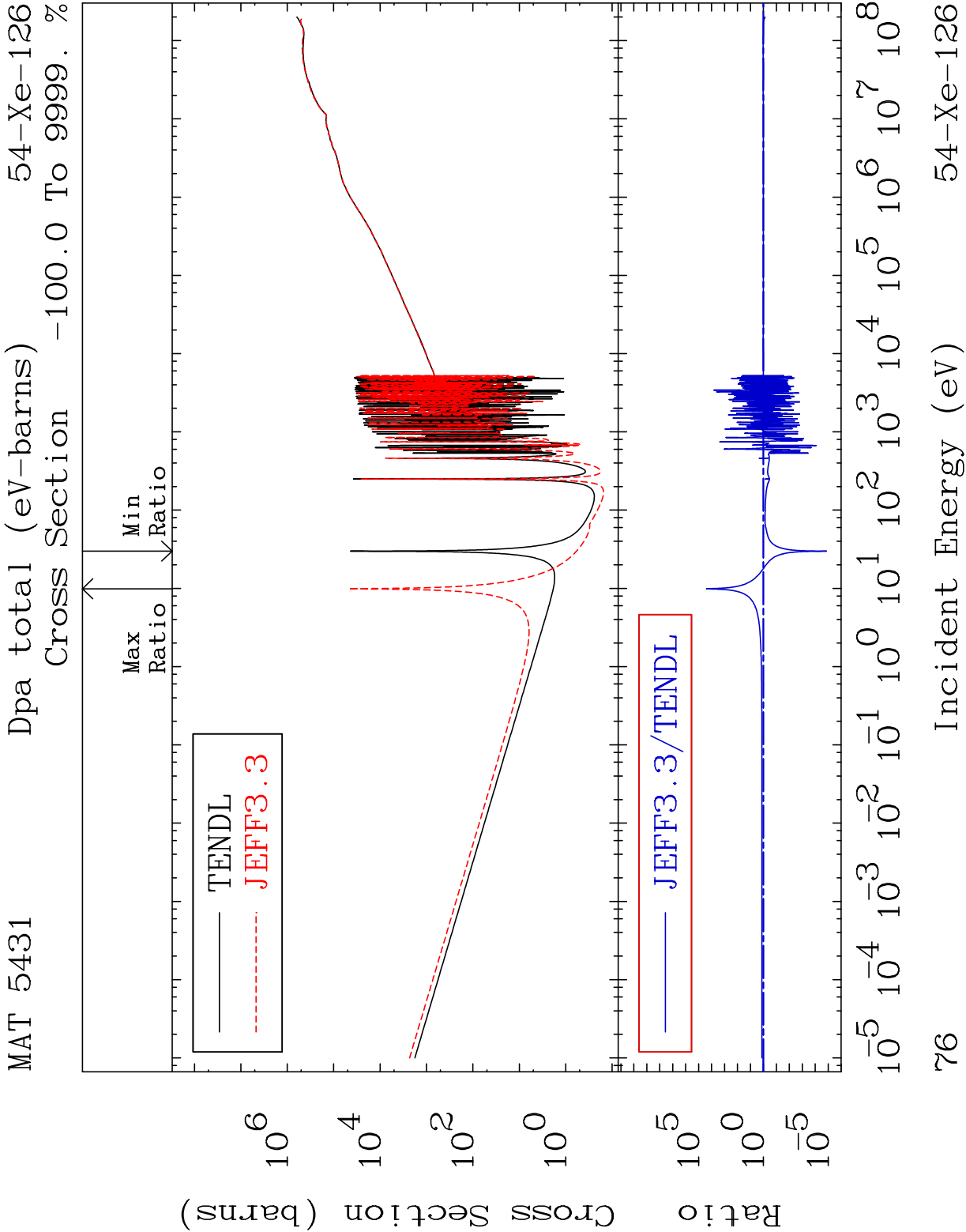




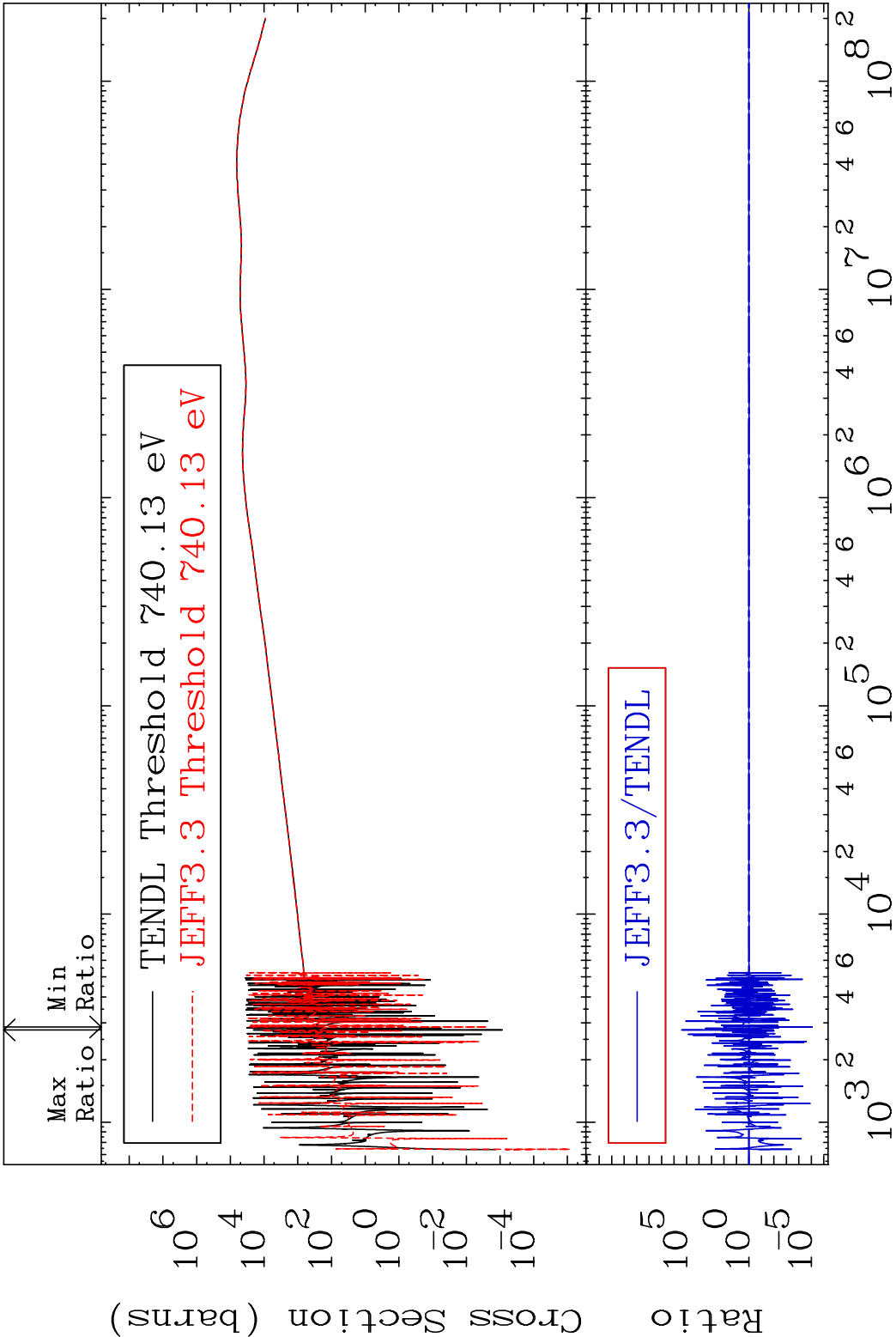
MAT 5431 Total kinematic kerma (high limit) 54-Xe-126

Cross Section -99.99 To 9999. %

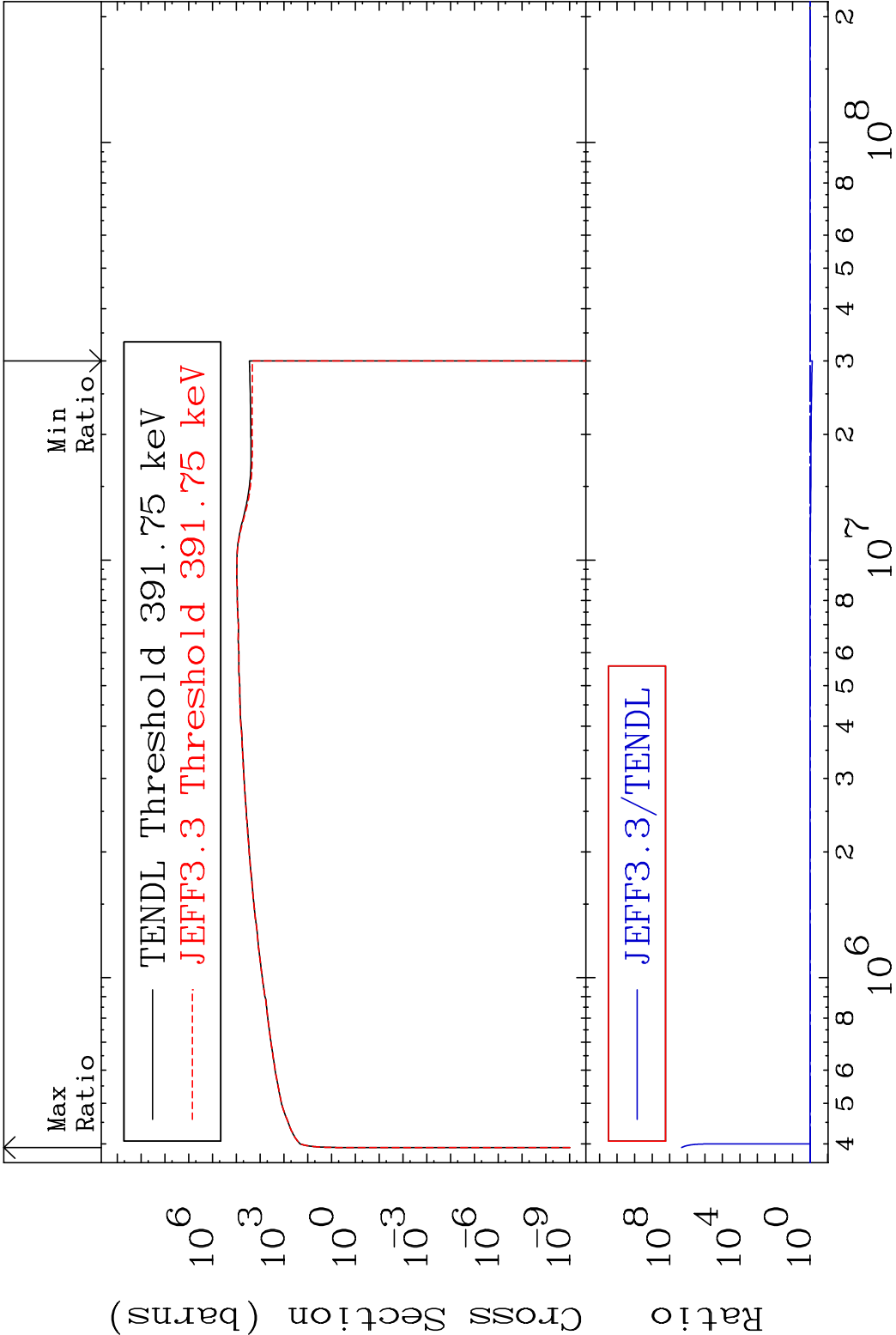




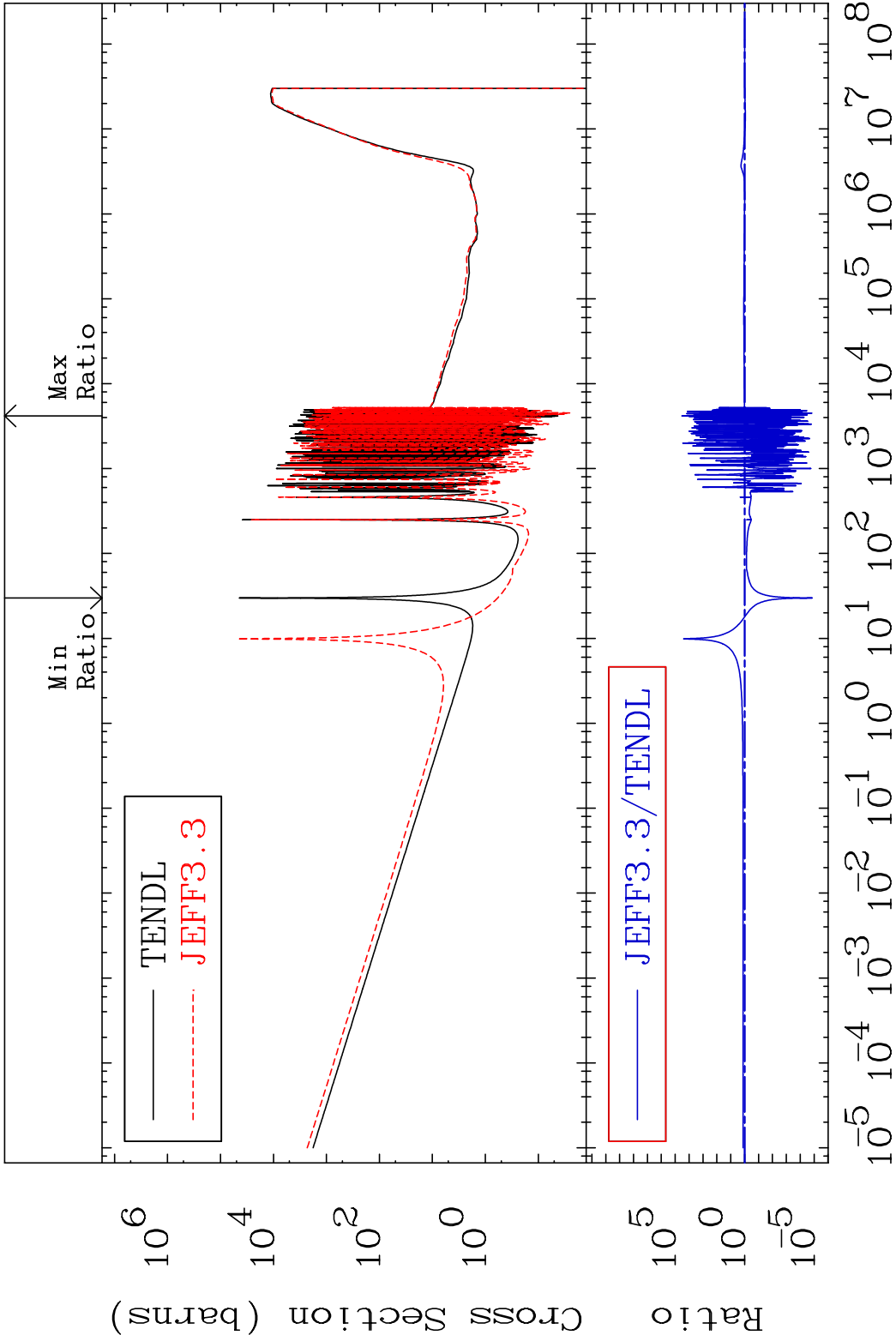
MAT 5431	Dpa elastic (mt2)	54-Xe-126
	Cross Section	-100.0 To 9999. %



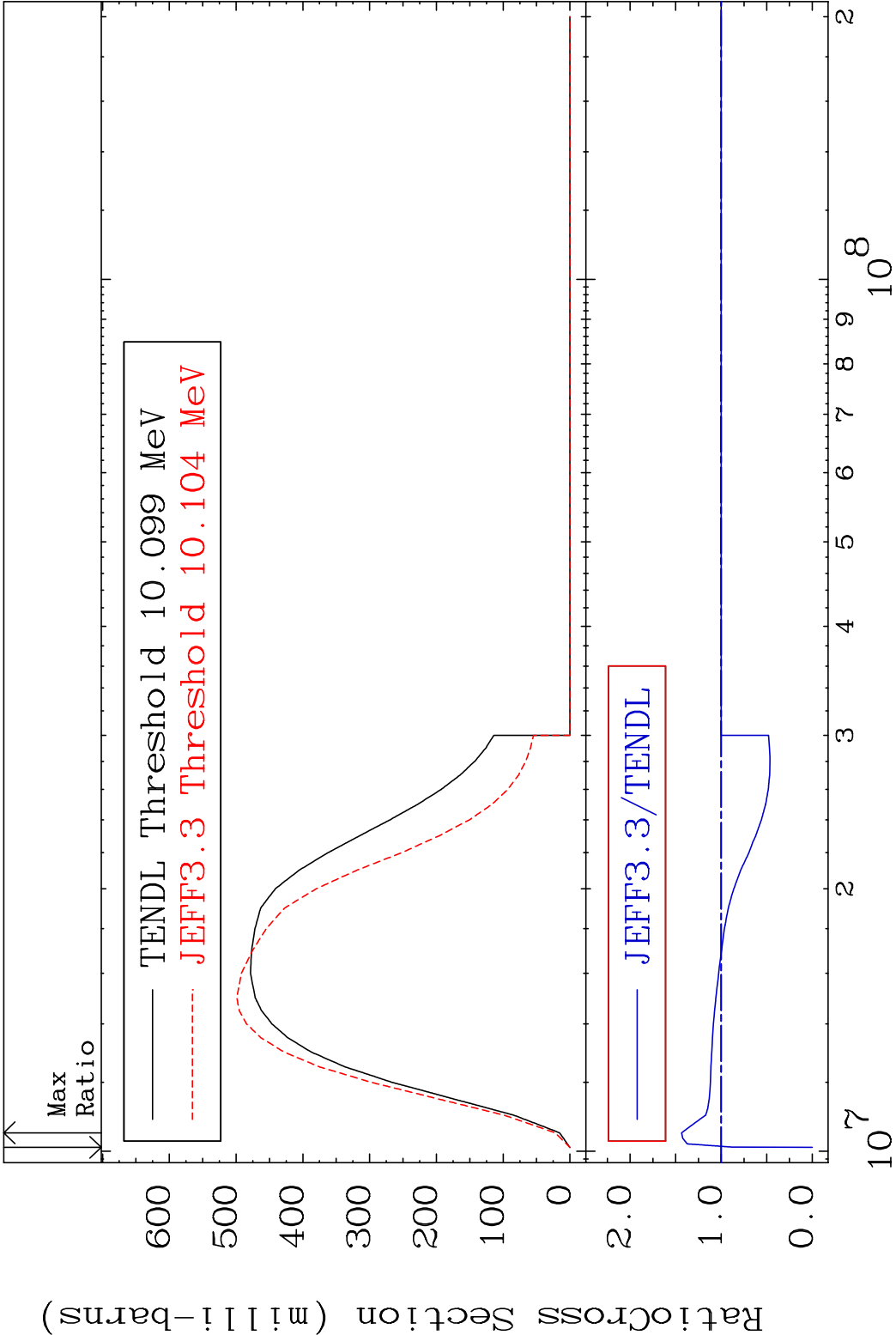
MAT 5431 Dpa inelastic (mt51-91) 54-Xe-126
Cross Section -25.03 To 9999. %



MAT 5431 Dpa disappearance (mt102 -120) 54-Xe-126
Cross Section -100.0 To 9999. %



MAT 5431 (n,2n):54-Xe-125g 54-Xe-126
Radionuclide Production Cross Section 180.0 mb 43.57 %



80 54-Xe-126

Radionuclide Production Cross-Section 142.3 %

