

Program Complot
(Version 2021-1)

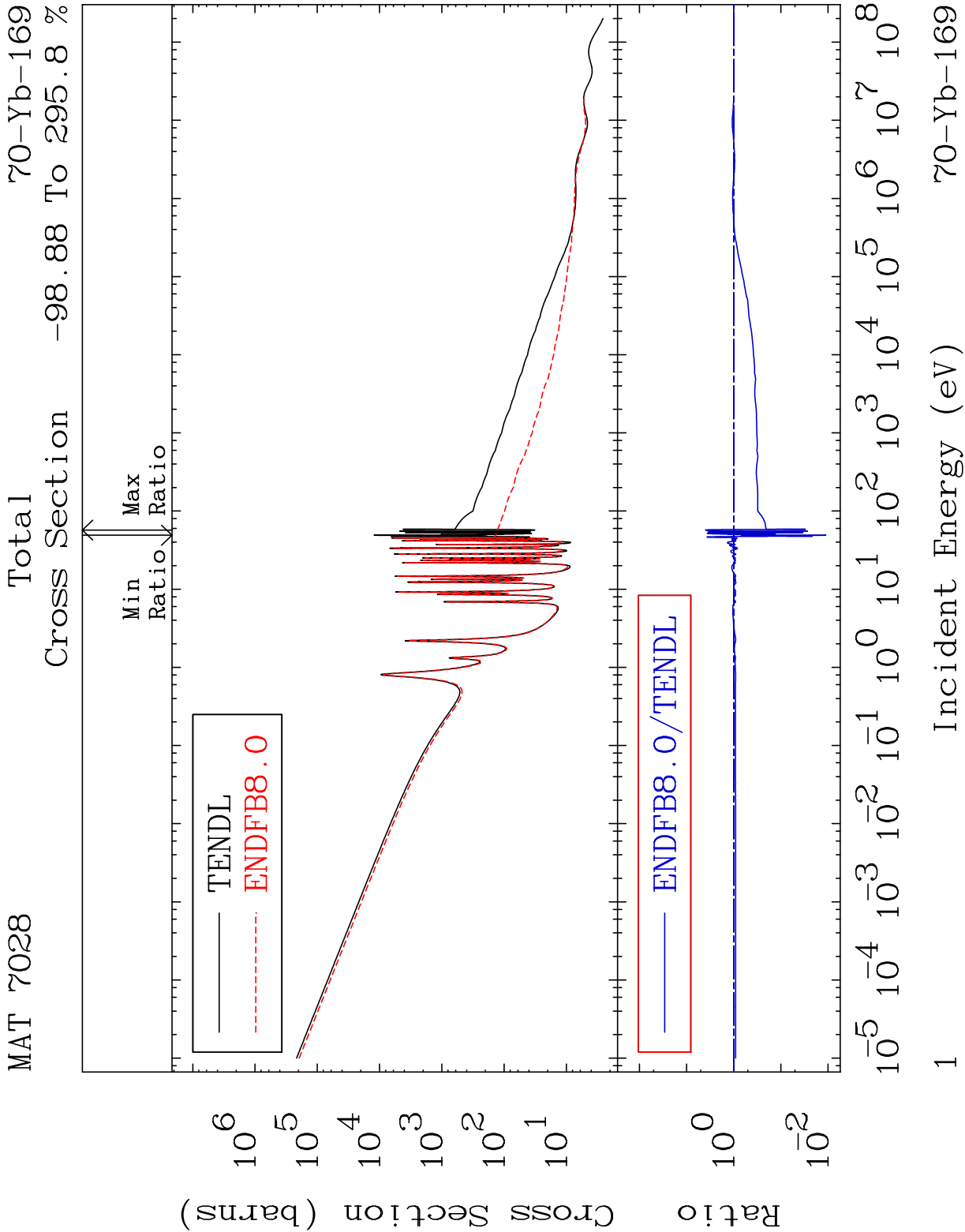
by

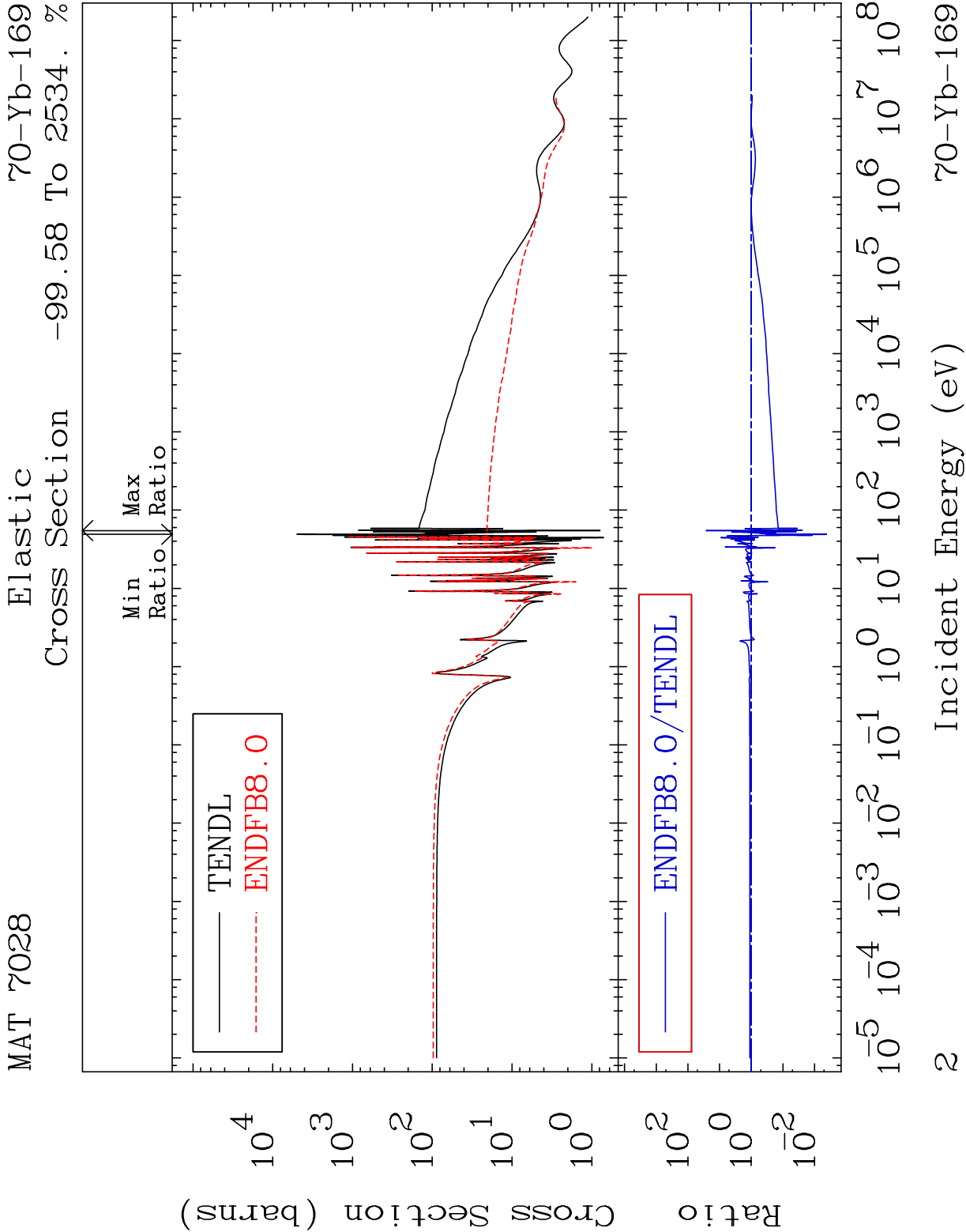
Dermott E. Cullen
(Present Contact Information)

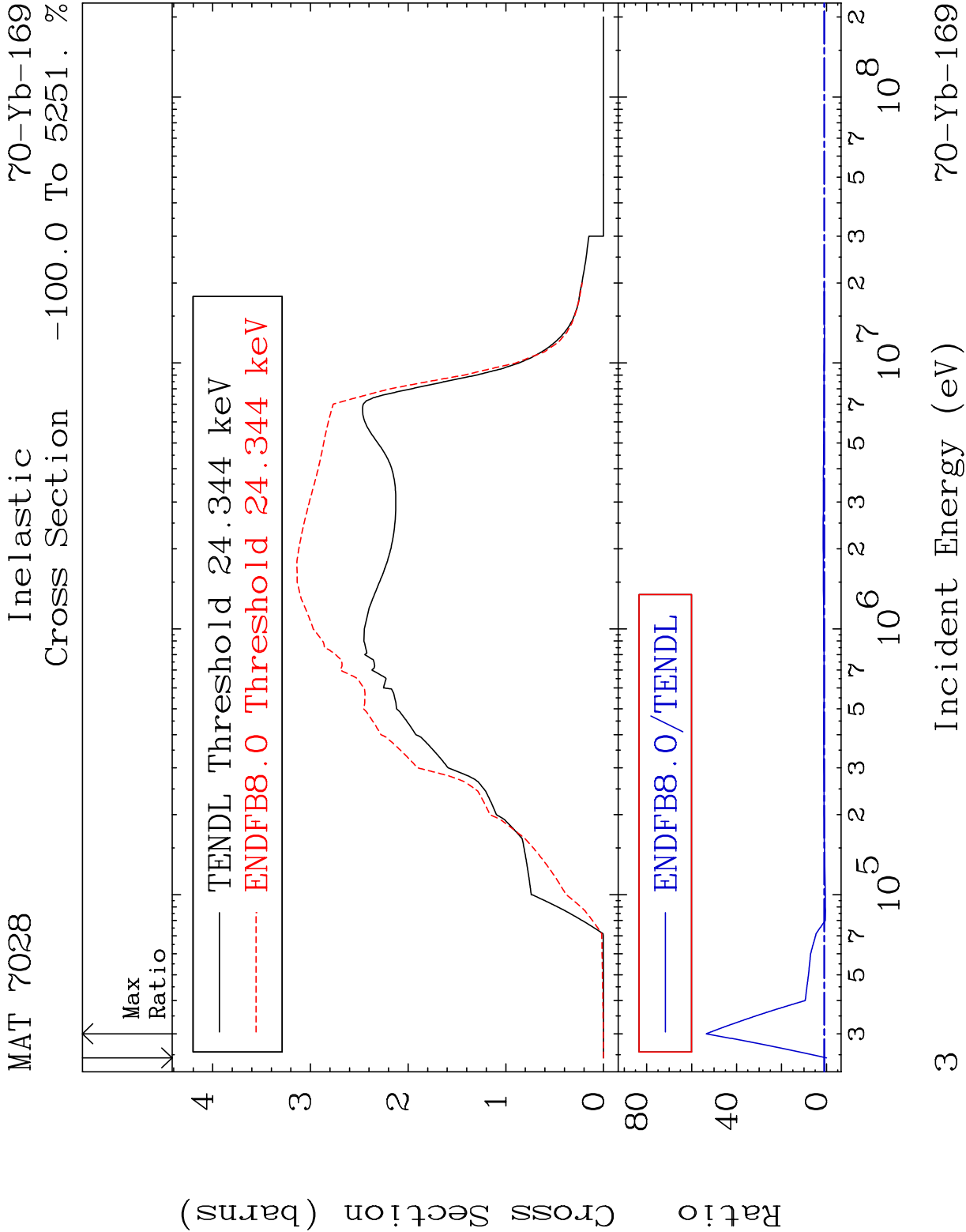
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

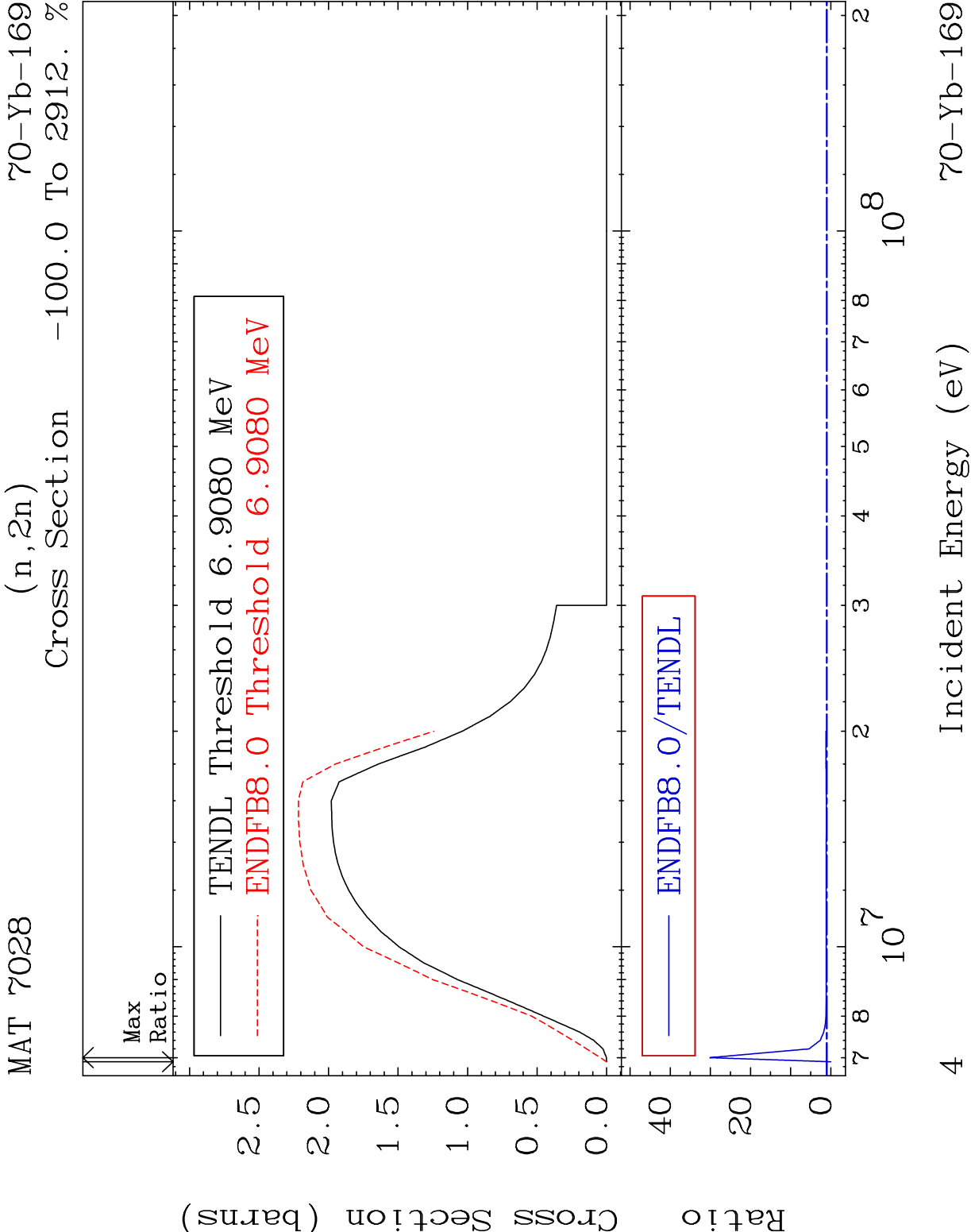
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

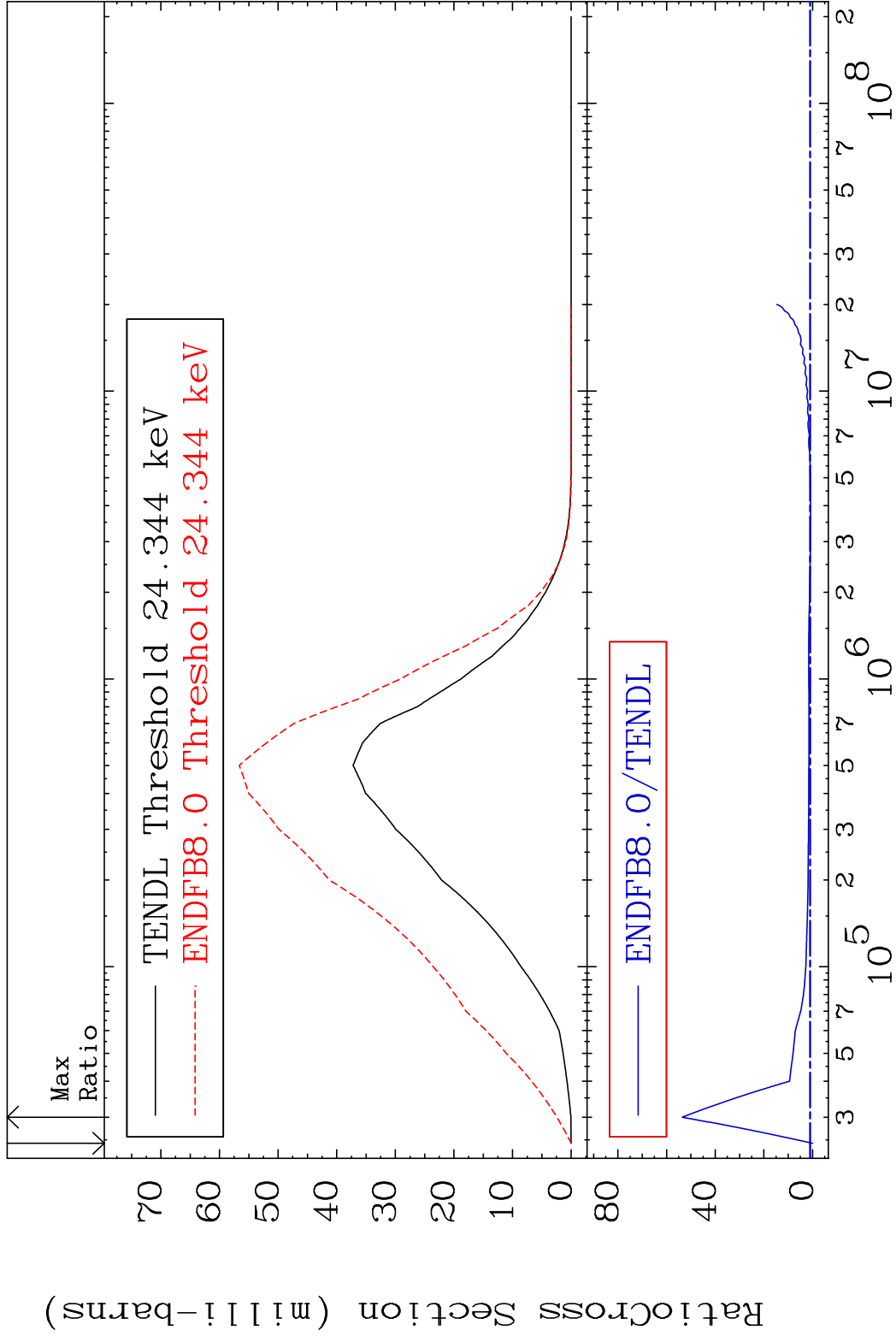


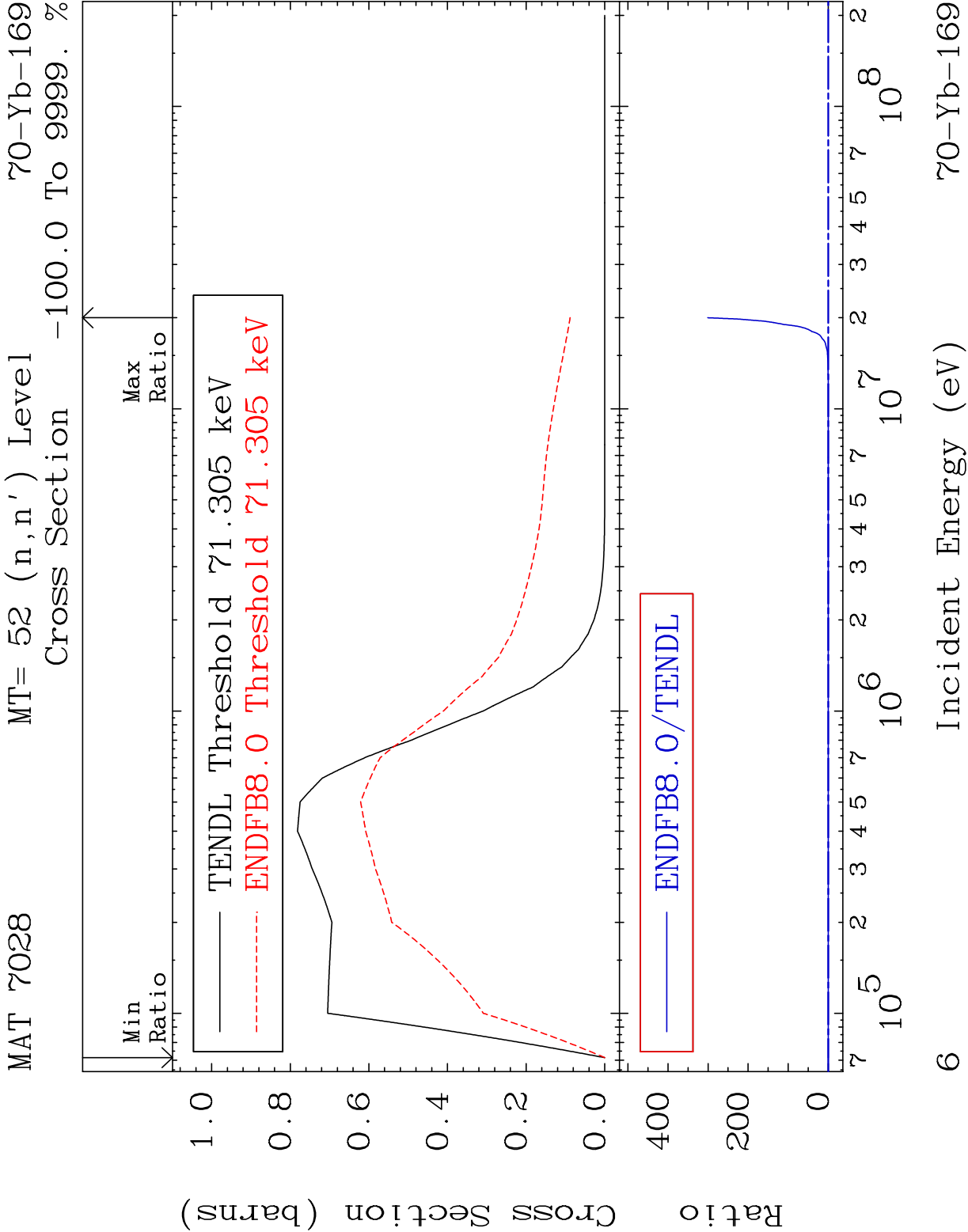






MAT 7028 MT= 51 (n,n') Level 70-Yb-169
Cross Section -100.0 To 5251. %

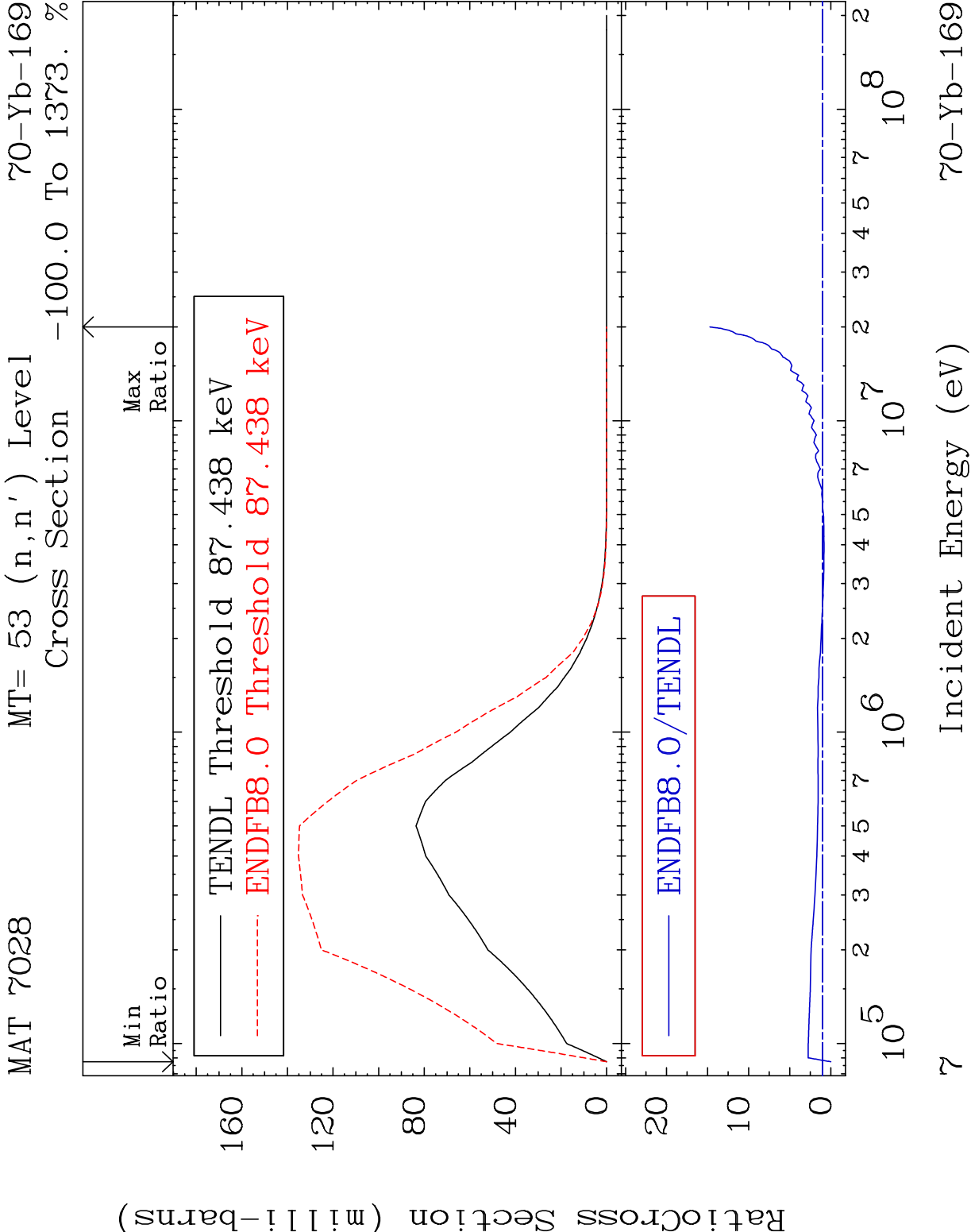


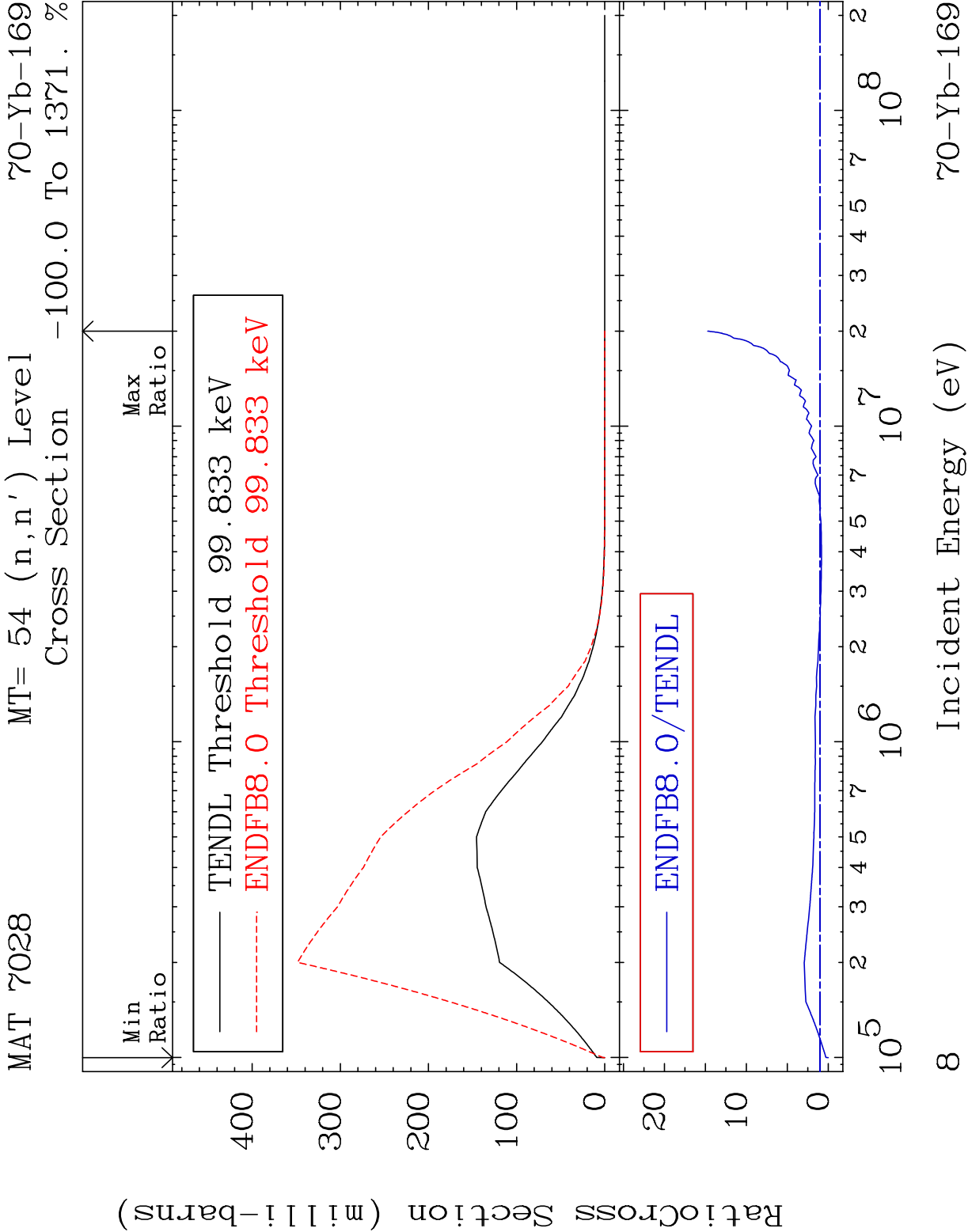


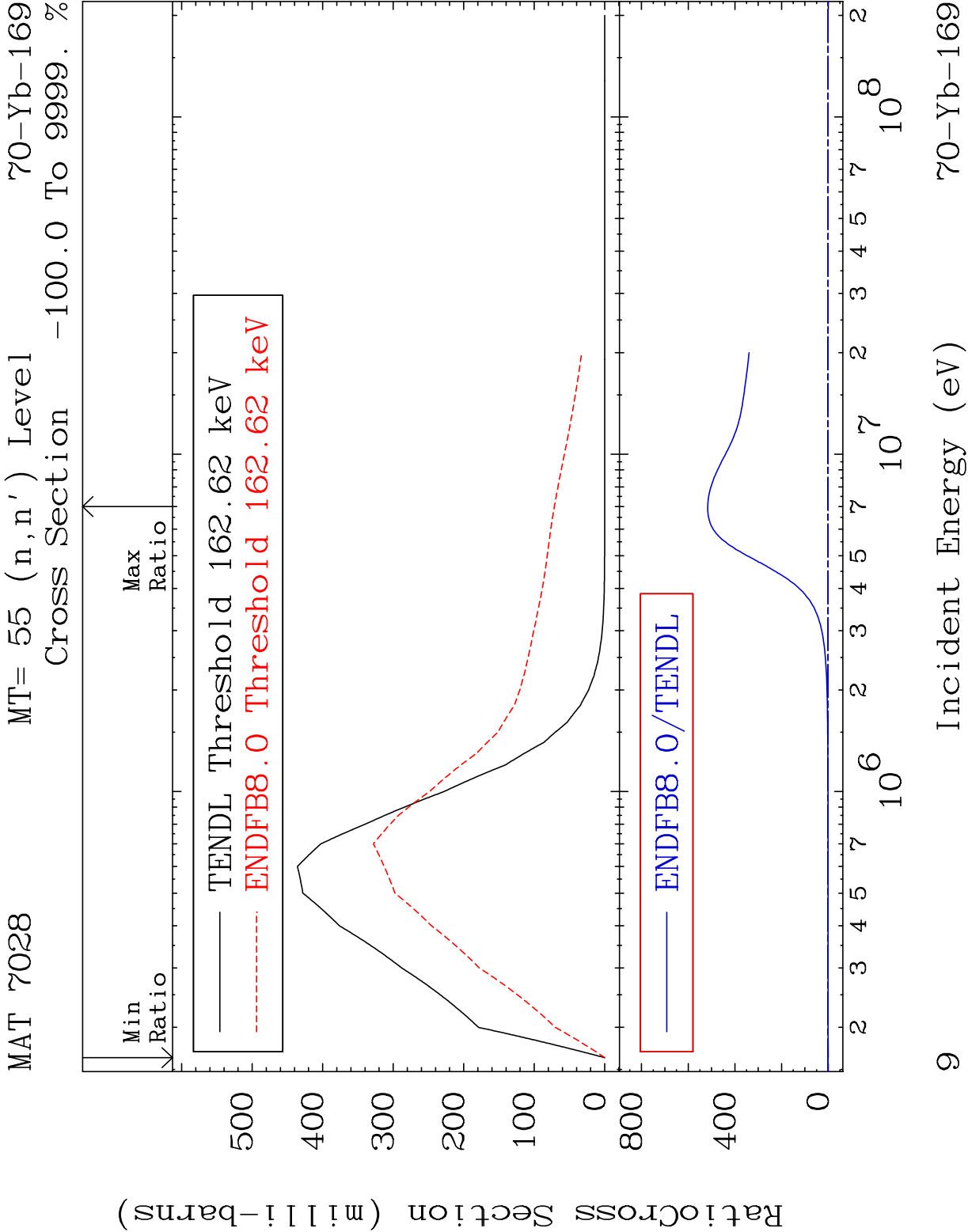
Cross Section (barns)

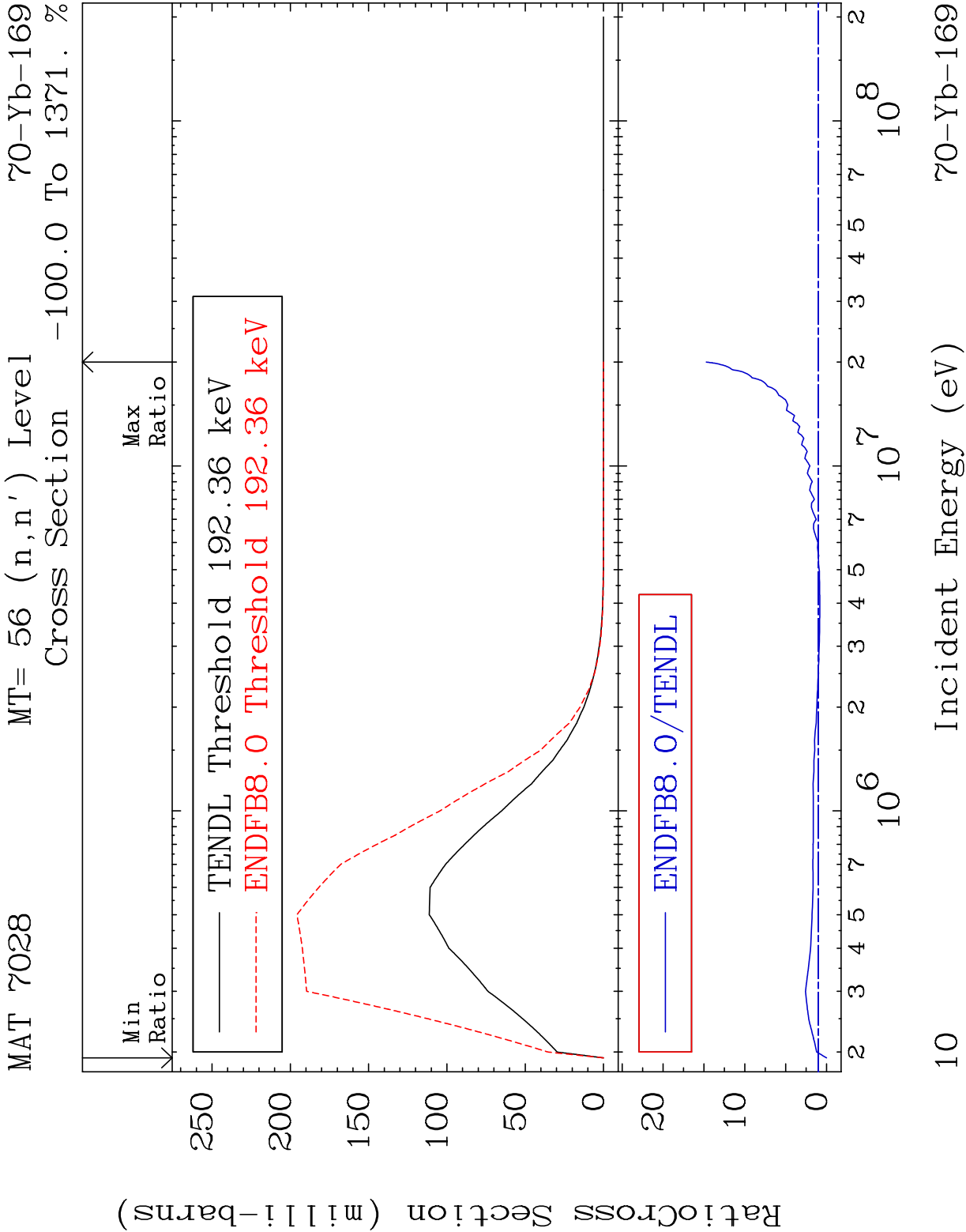
1.0
0.8
0.6
0.4
0.2
0.0
400
200
0

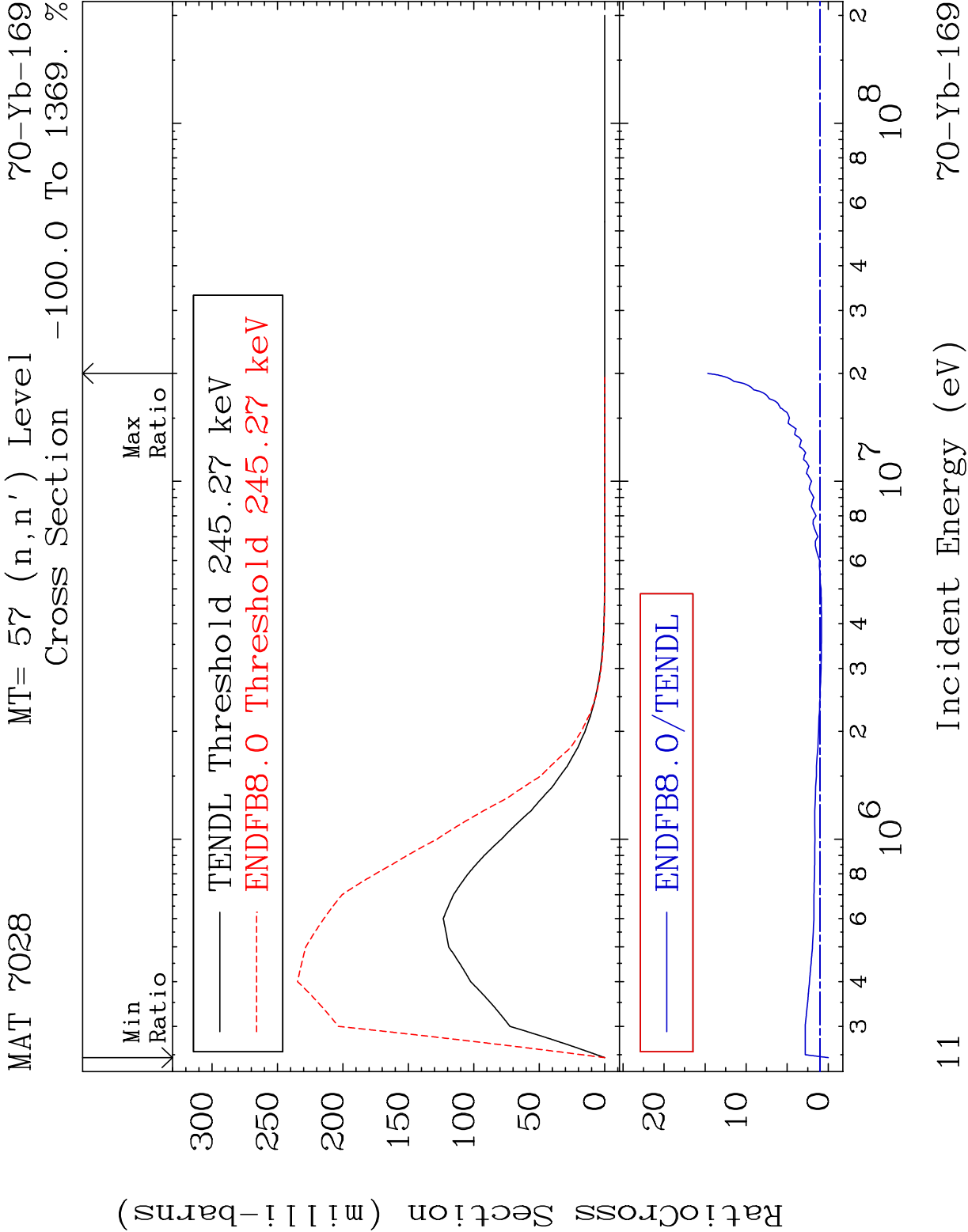
7 10⁵ 2 3 4 5 7 2 3 4 5 7 2 3 4 5 7 8 10⁸







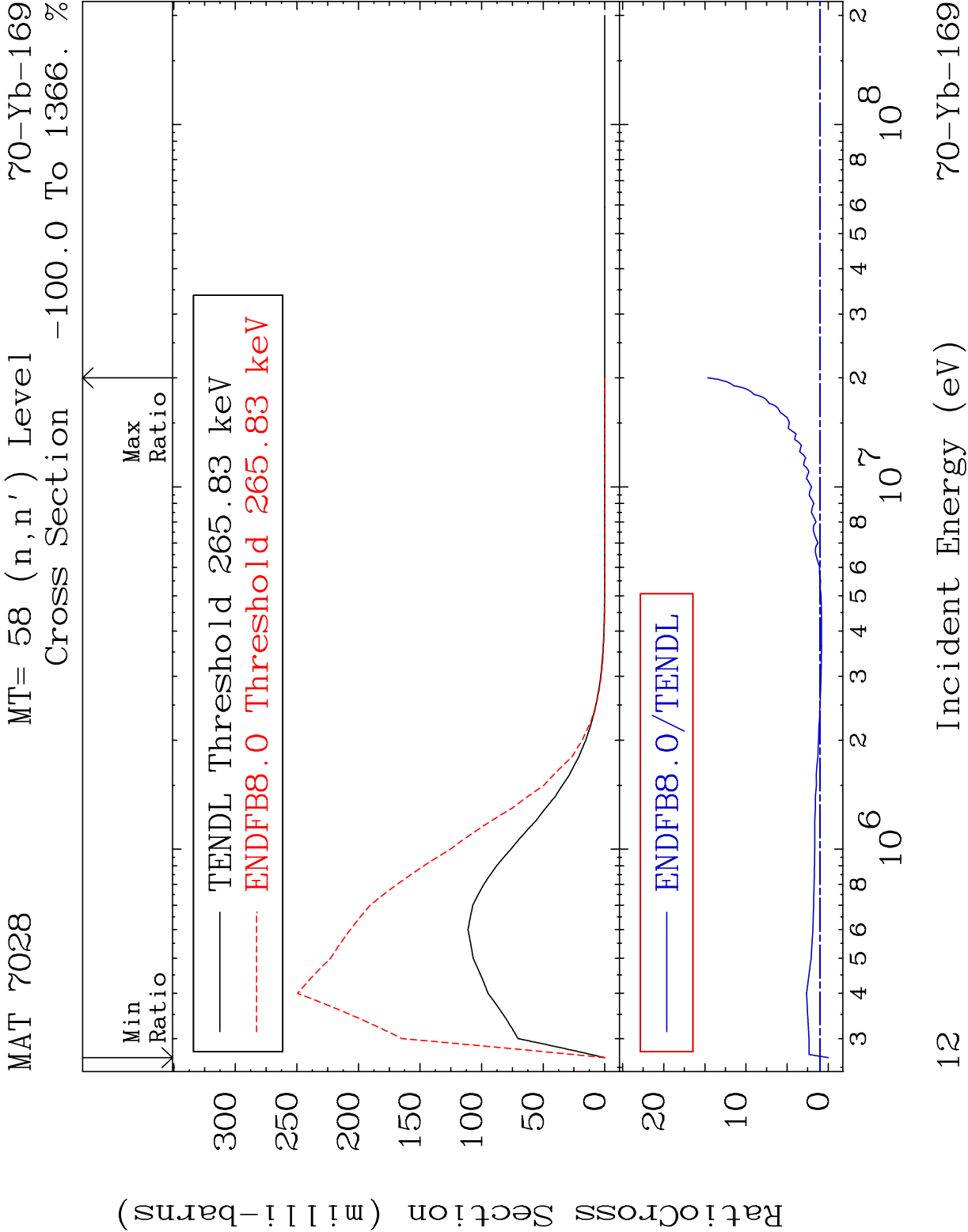




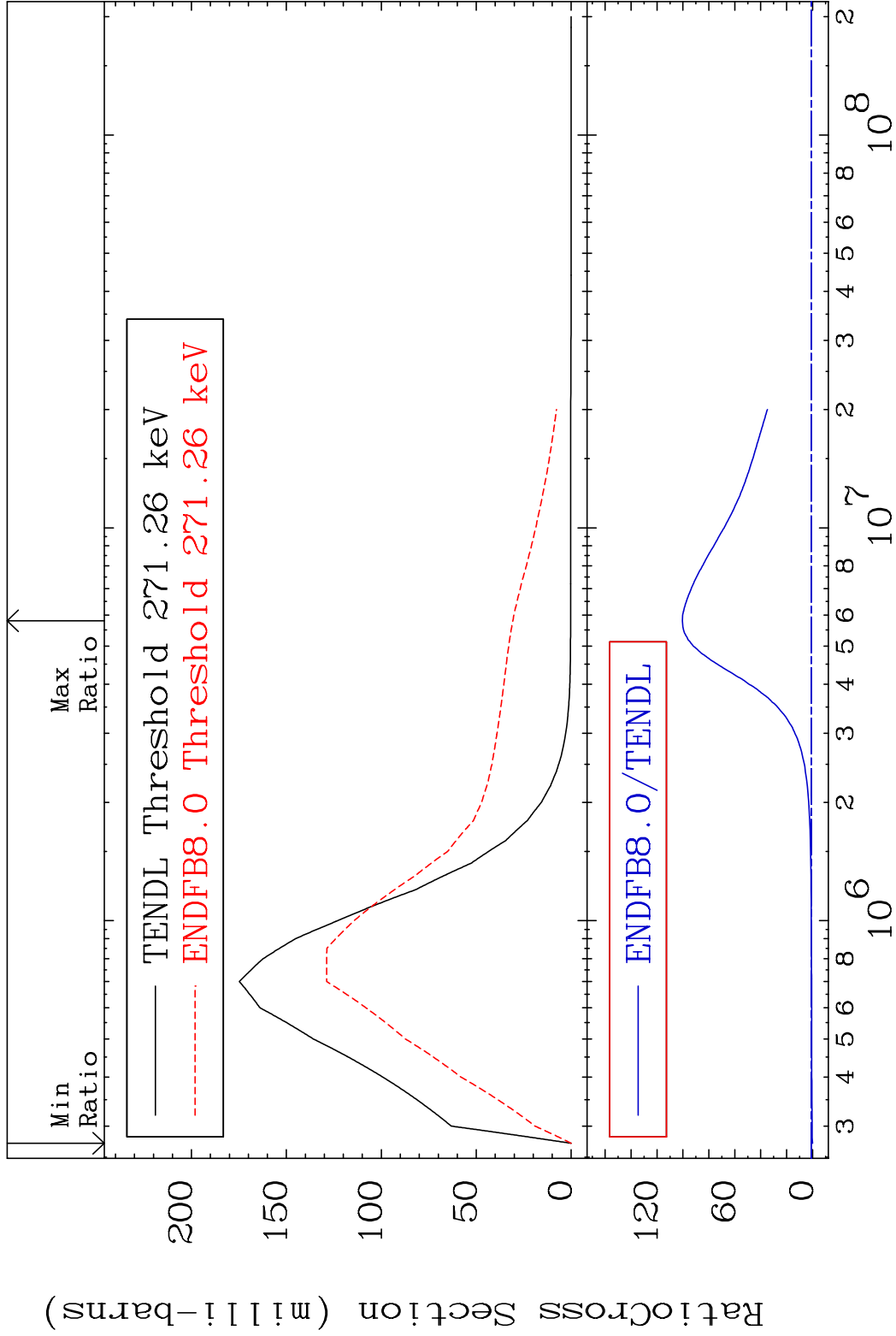
11

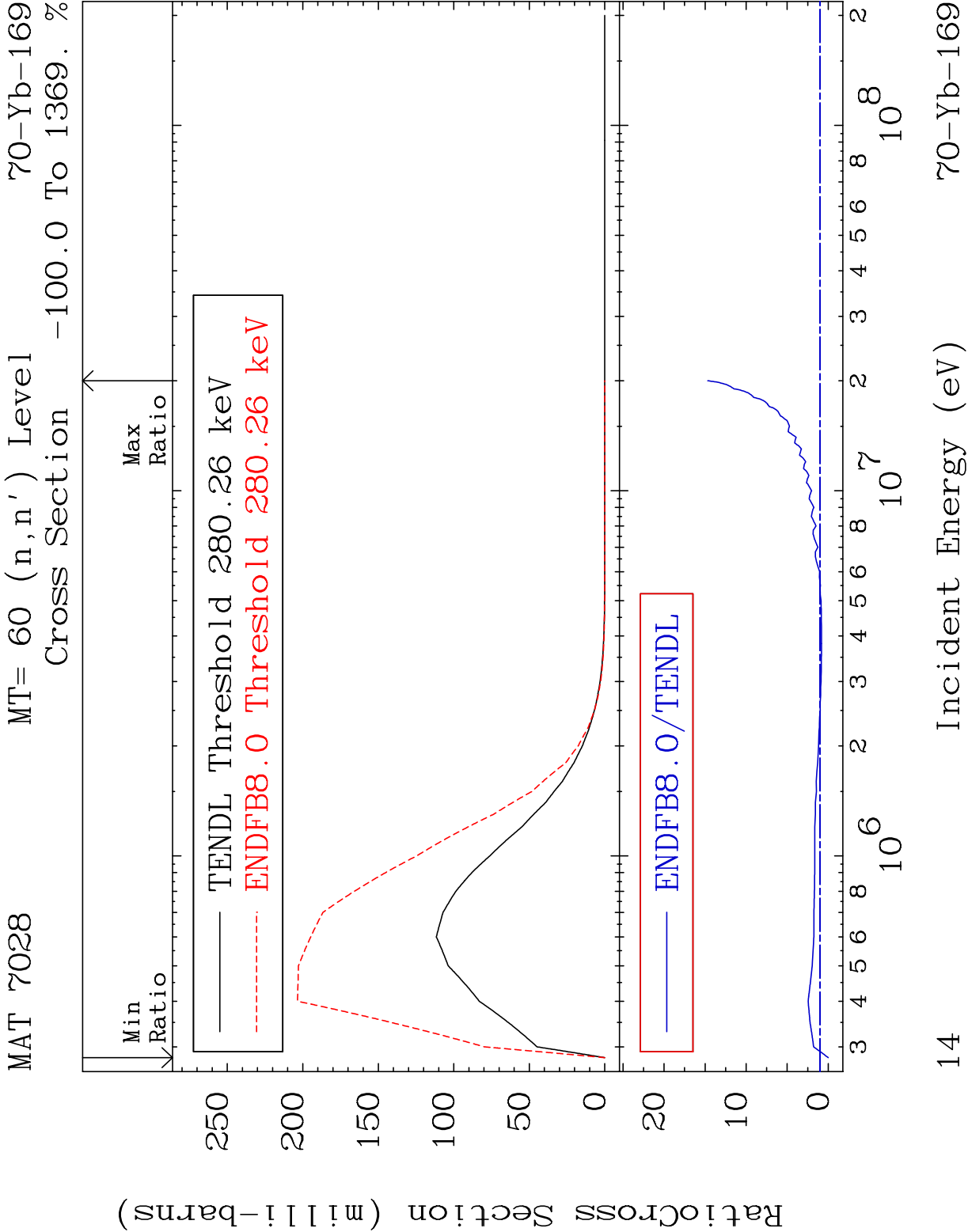
Incident Energy (eV)

70-Yb-169

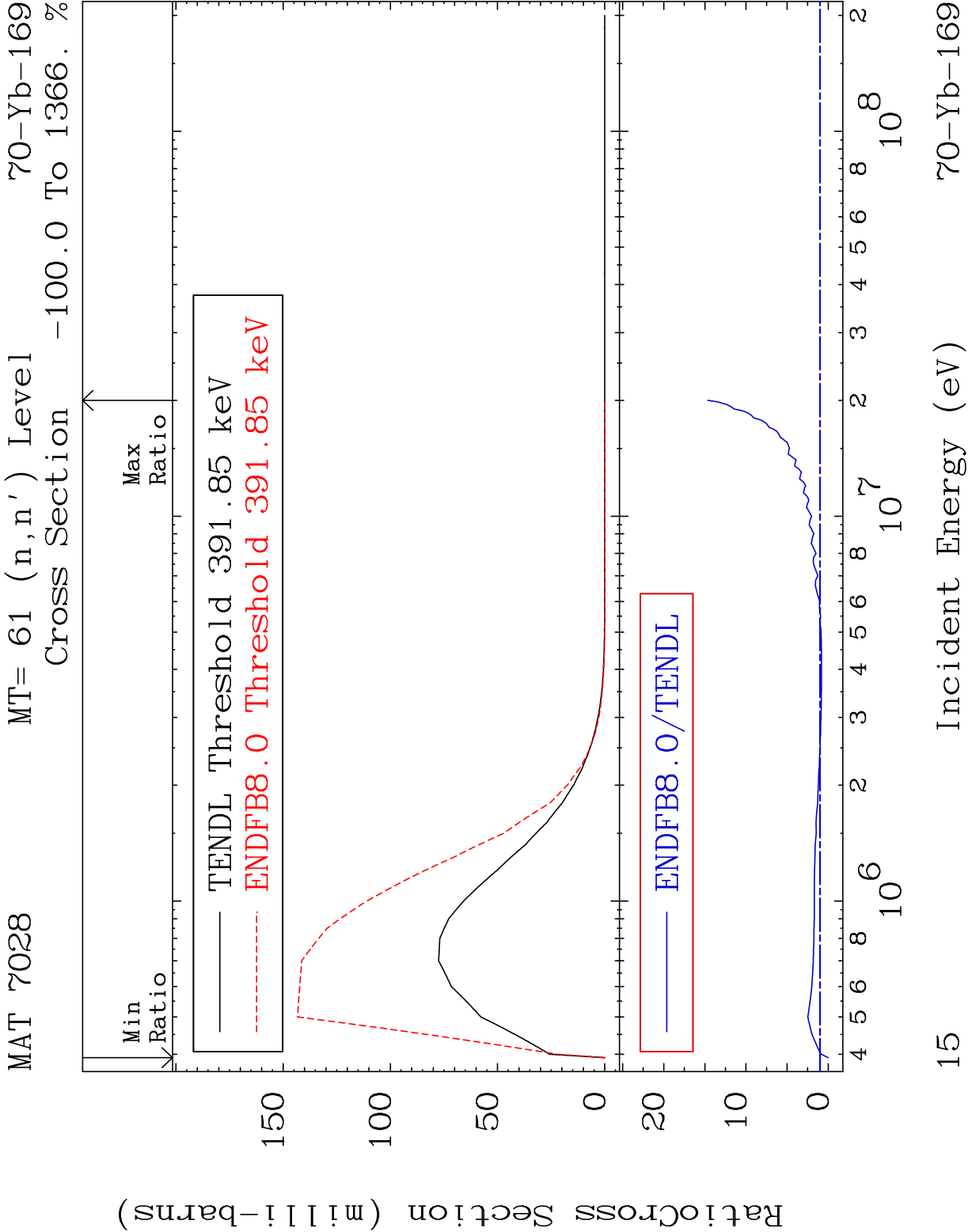


MAT 7028 MT= 59 (n,n') Level 70-Yb-169
Cross Section -100.0 To 9946. %

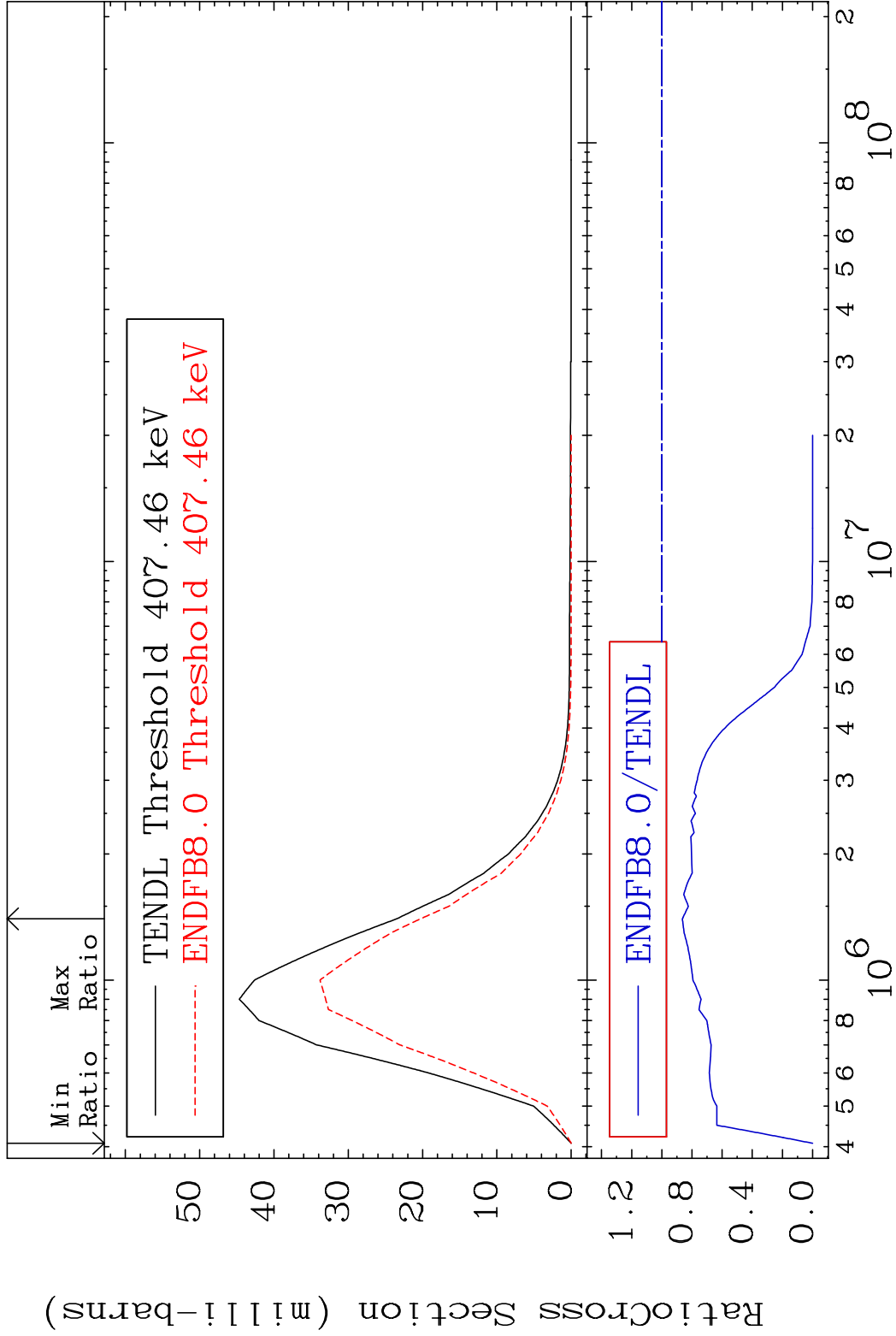


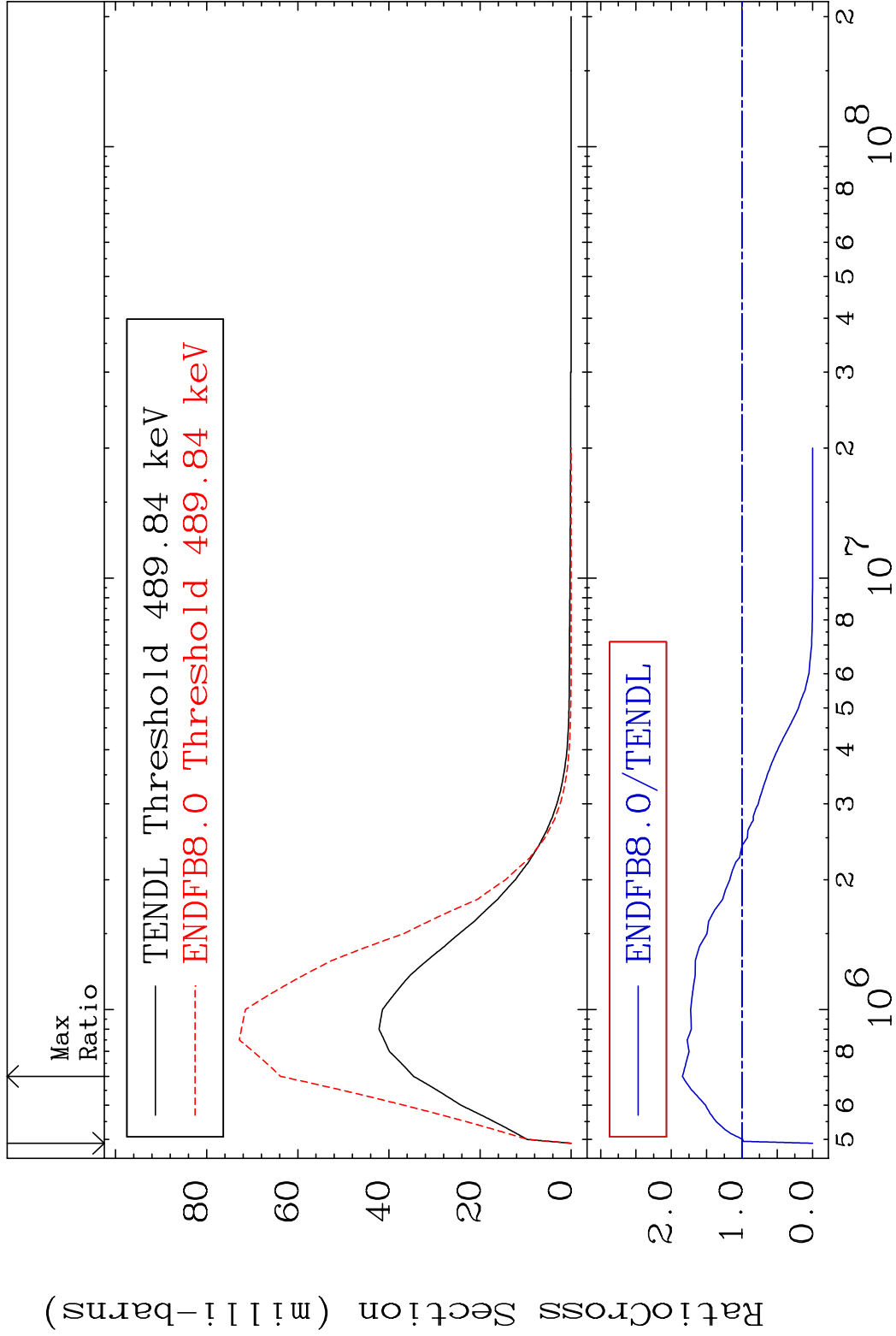


RatioCross Section (milli-barns)

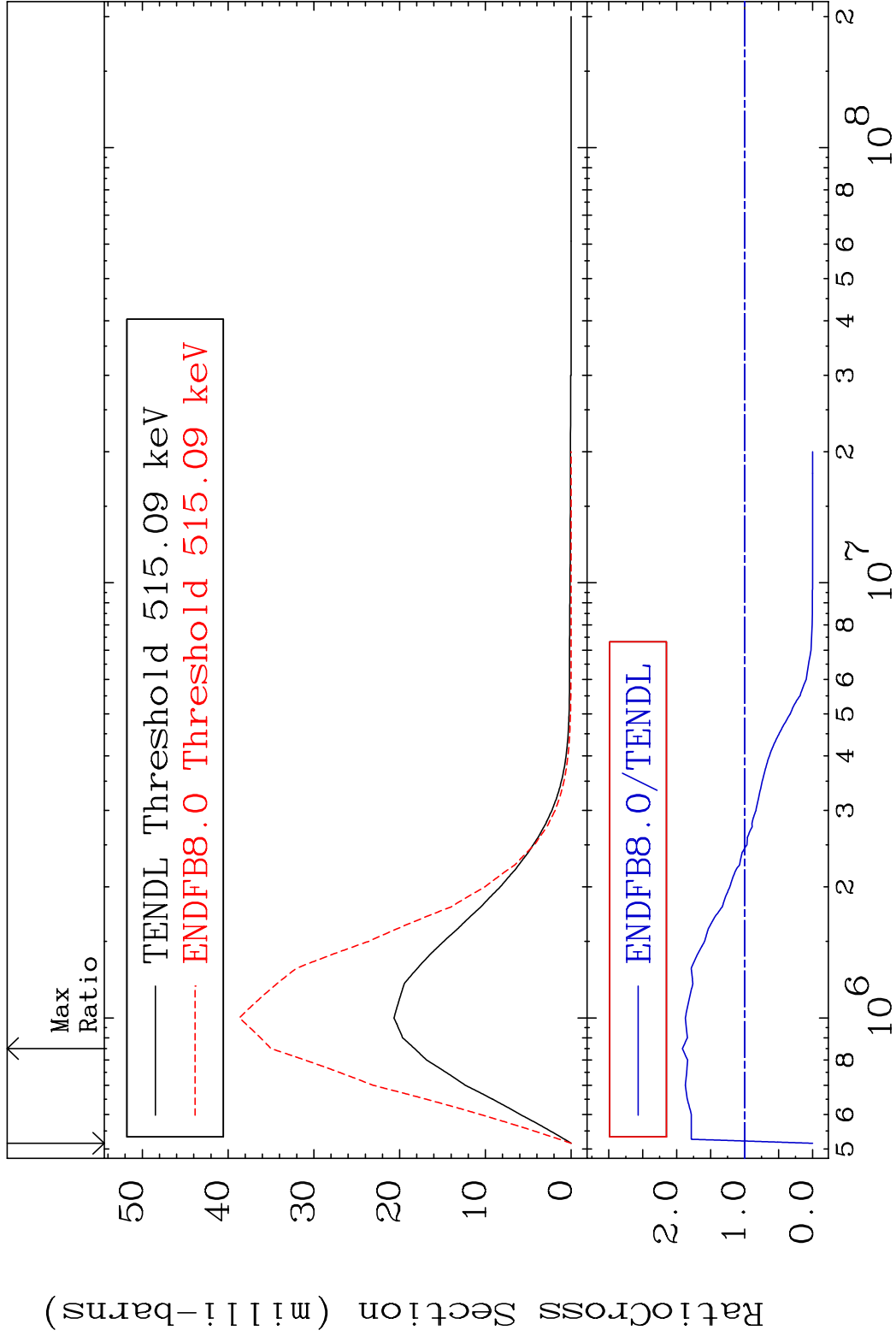


MAT 7028 MT= 62 (n,n') Level 70-Yb-169
Cross Section -100.0 To -13.63%



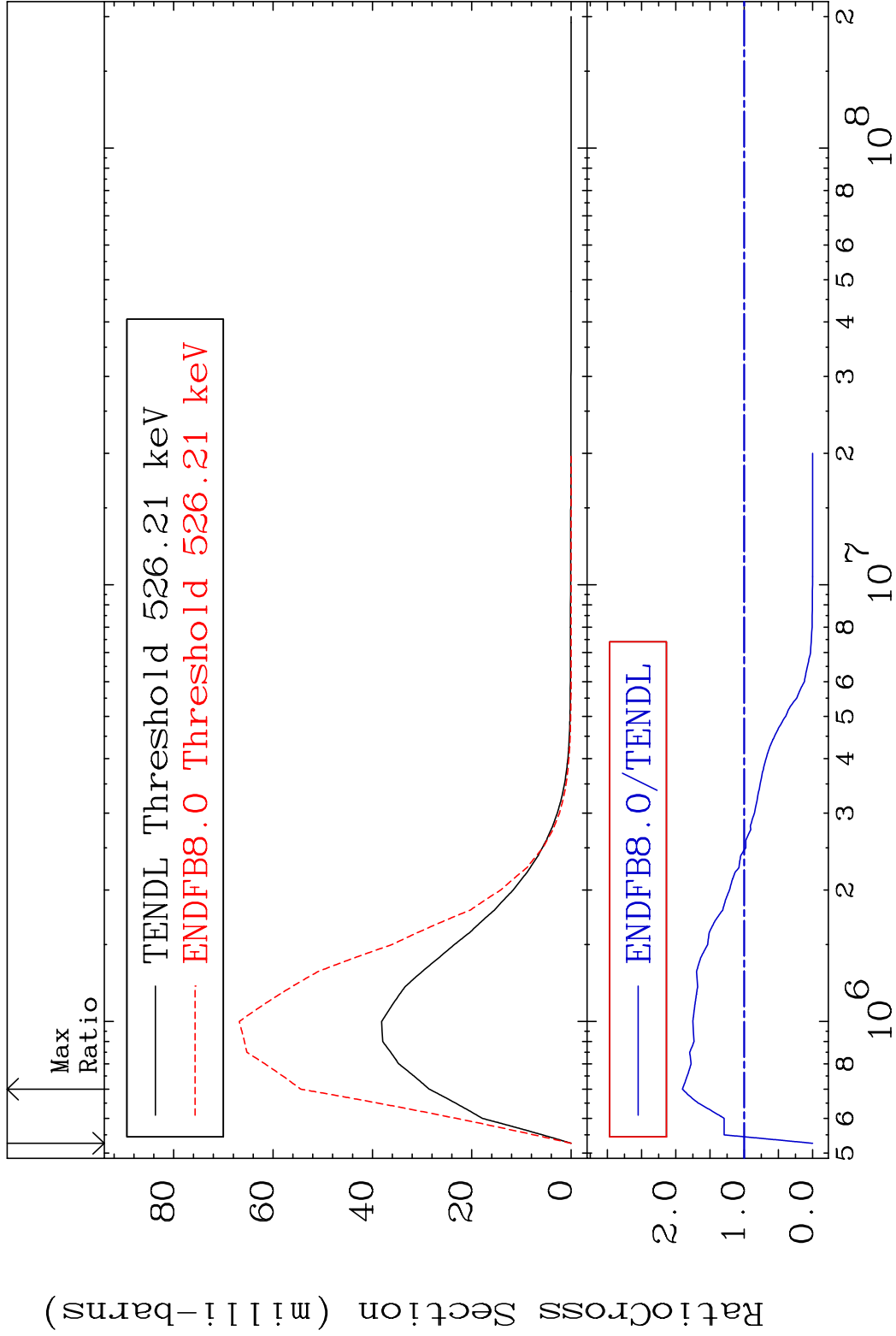


MAT 7028 MT= 64 (n,n') Level 70-Yb-169
Cross Section -100.0 To 91.64 %

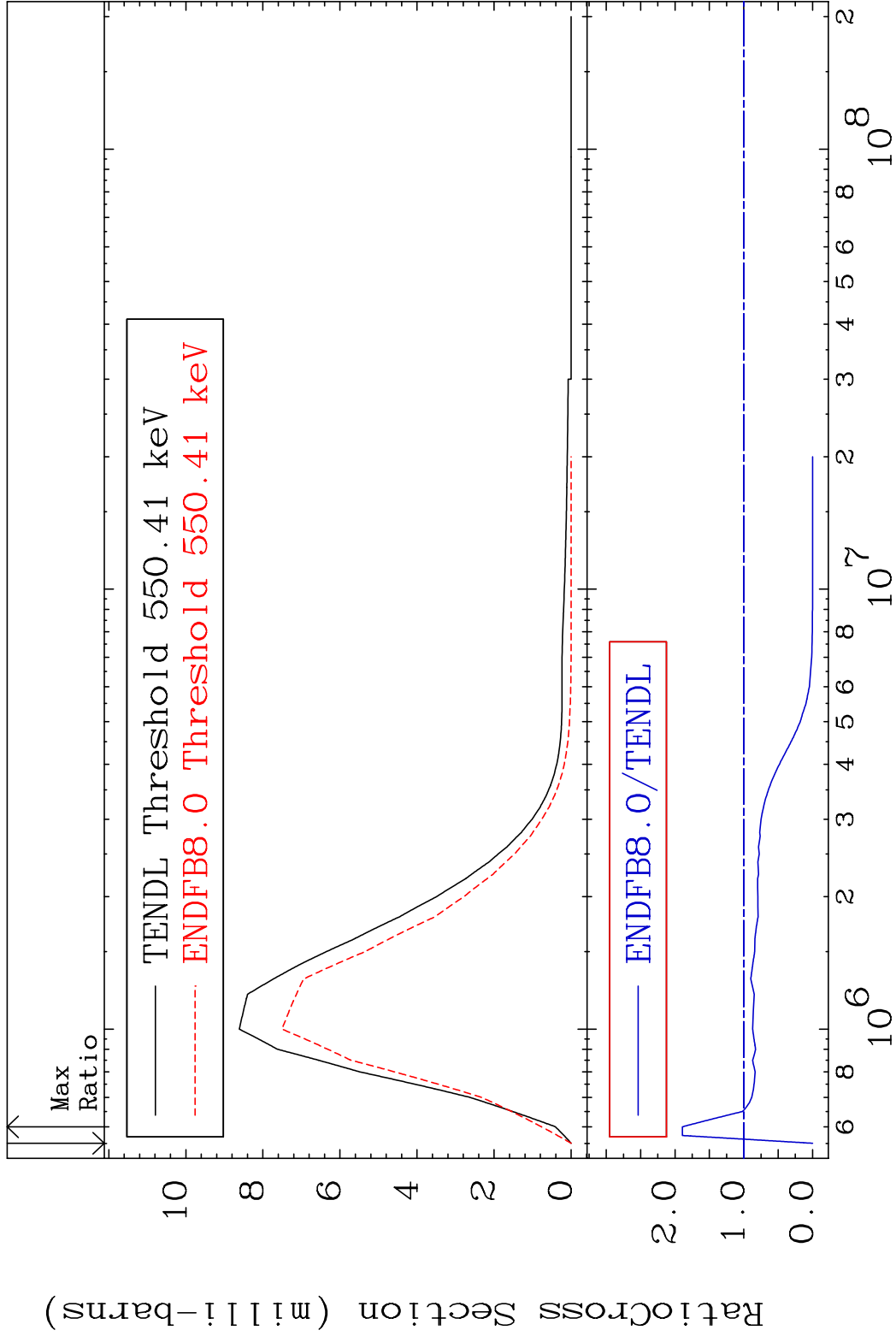


18 Incident Energy (eV) 70-Yb-169

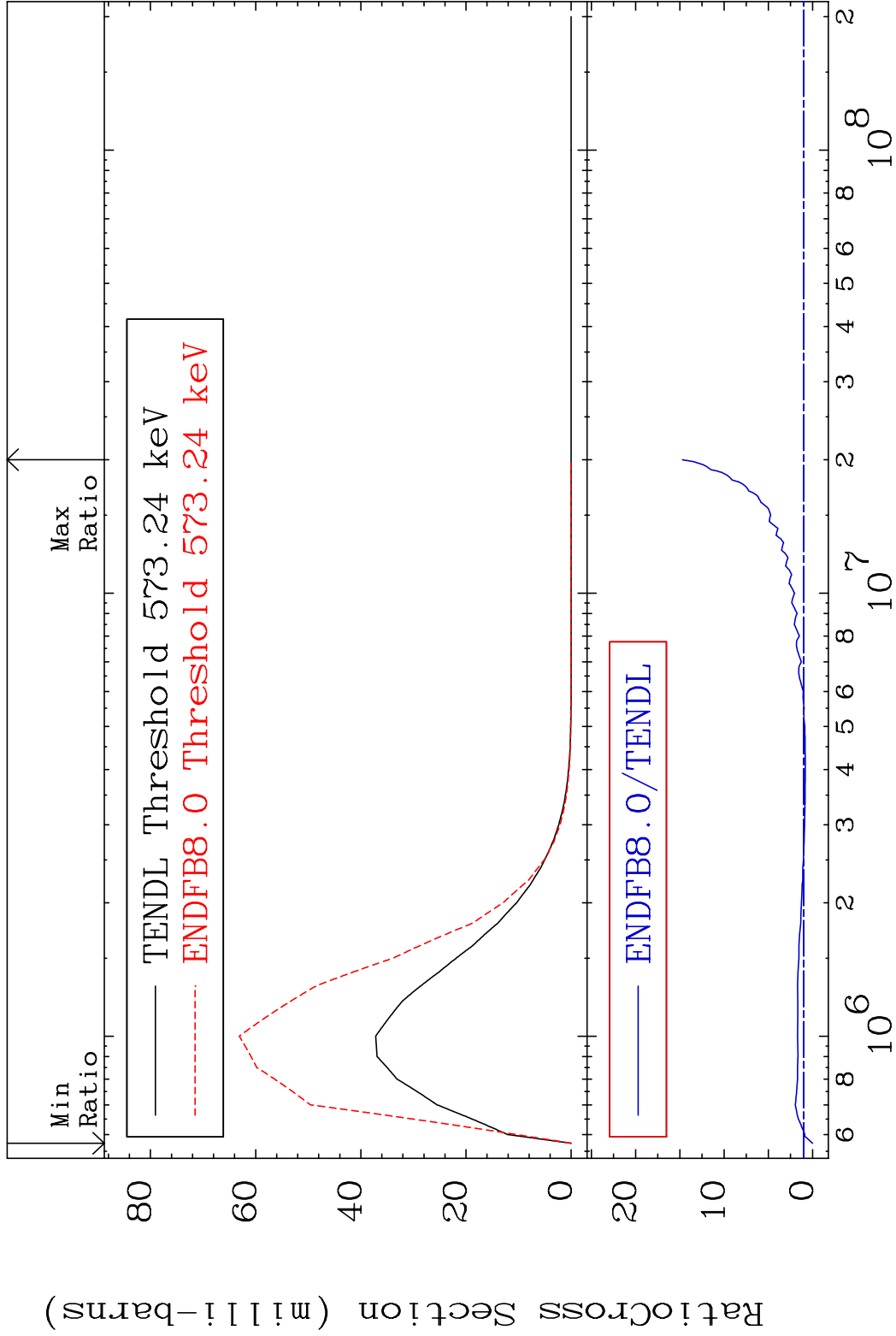
MAT 7028 MT= 65 (n,n') Level 70-Yb-169
Cross Section -100.0 To 90.45 %



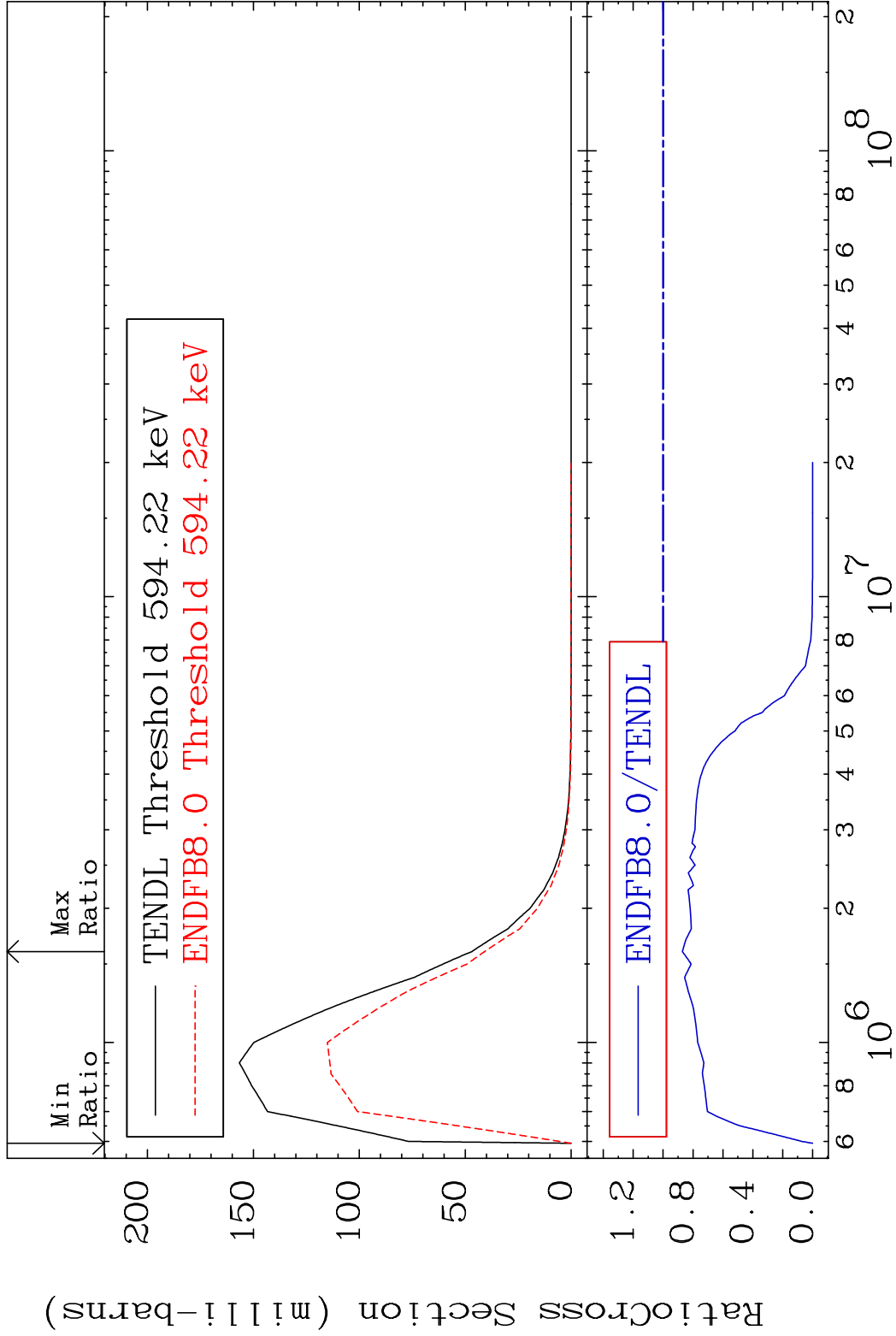
MAT 7028 MT= 66 (n,n') Level 70-Yb-169
Cross Section -100.0 To 89.34 %

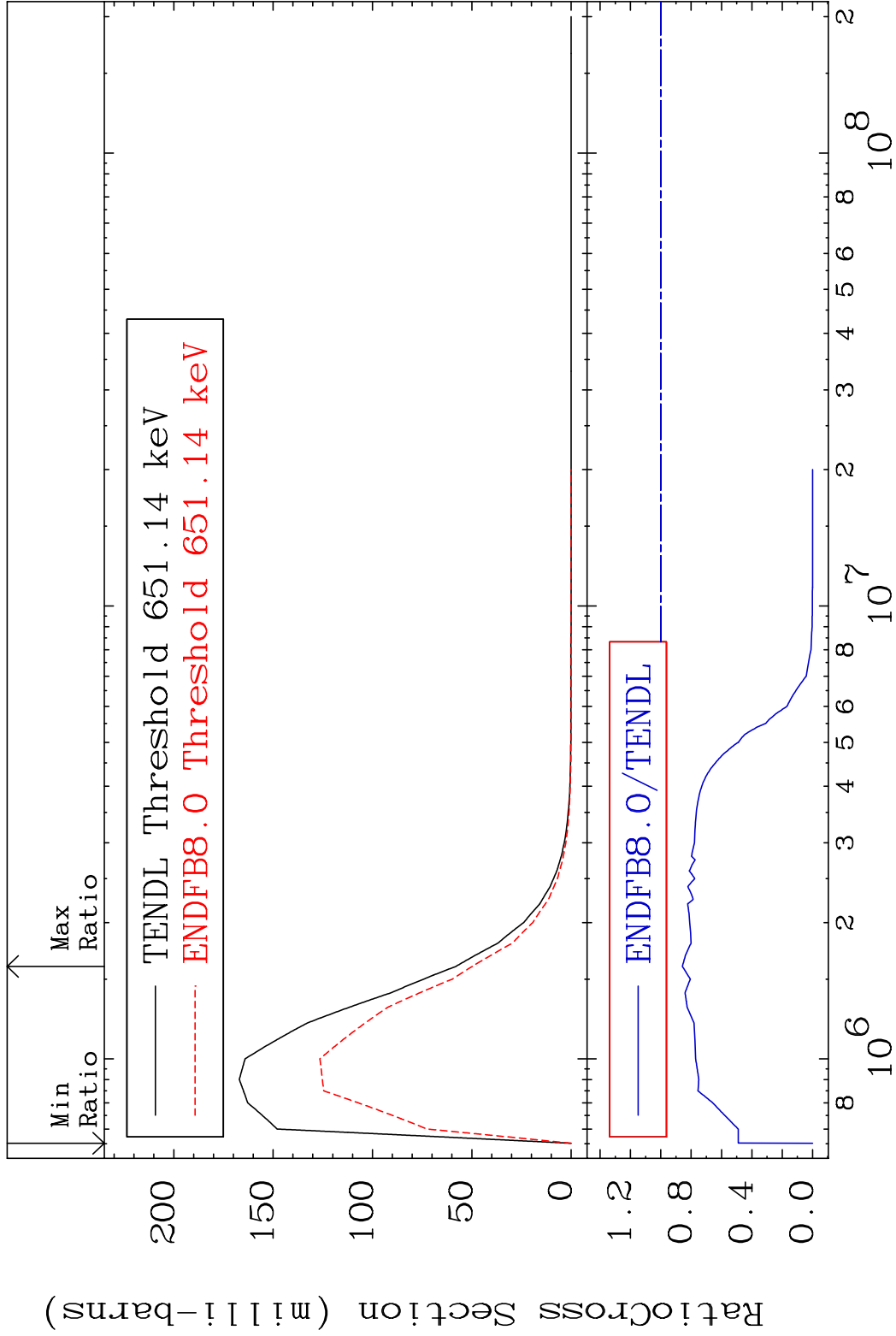


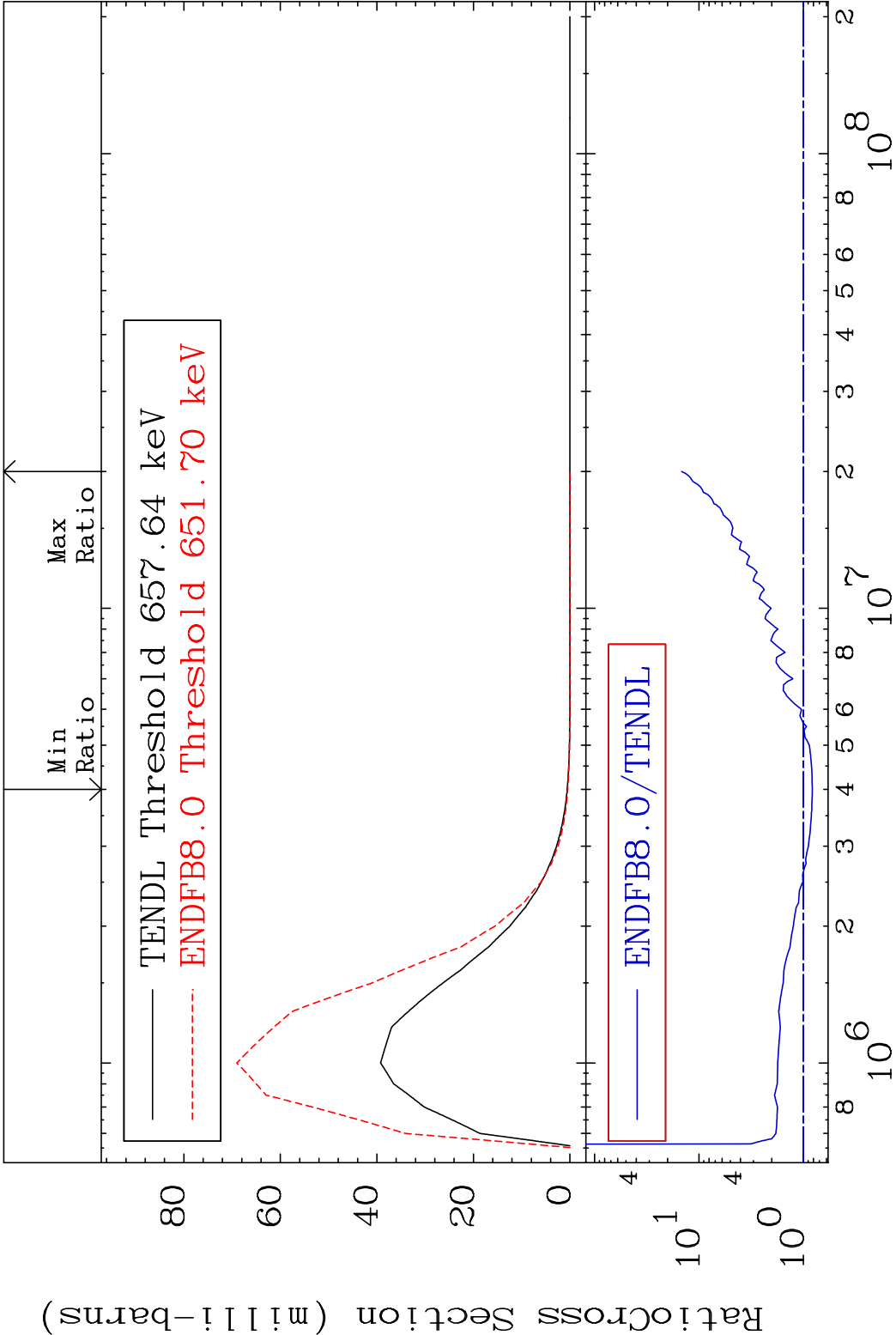
MAT 7028 MT= 67 (n,n') Level 70-Yb-169
Cross Section -100.0 To 1372. %



MAT 7028 MT= 68 (n,n') Level 70-Yb-169
Cross Section -100.0 To -12.88%





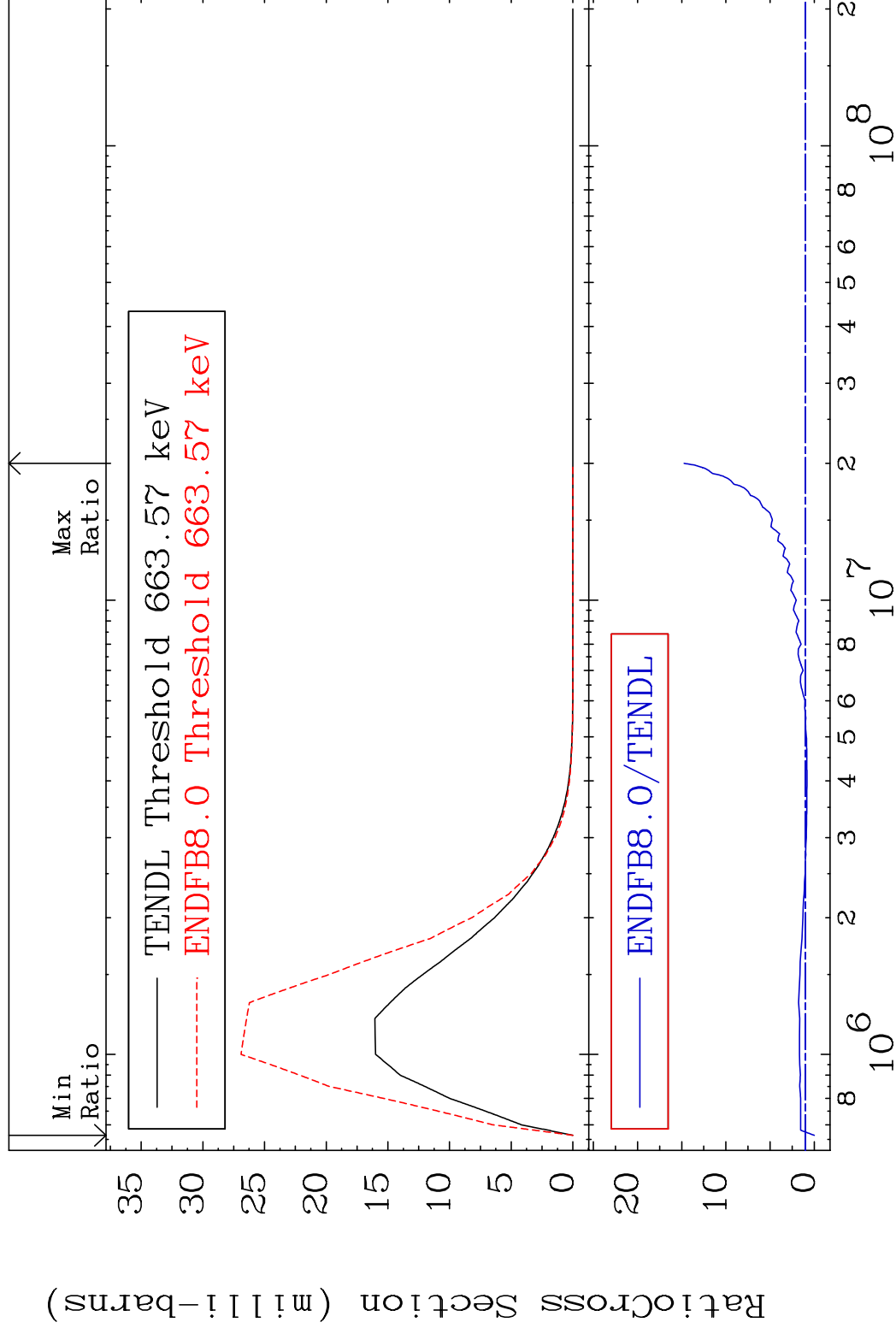


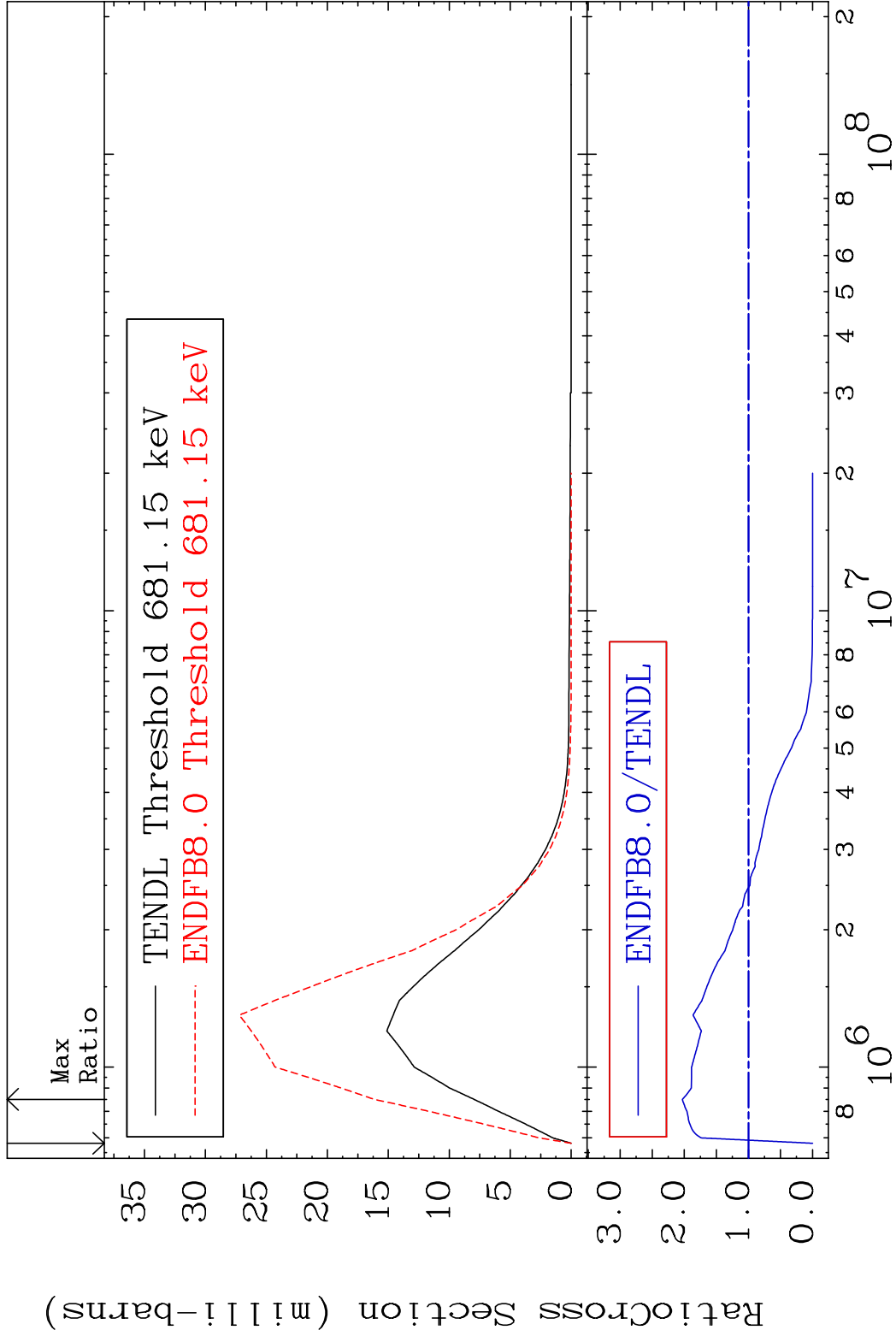
MAT 7028

MT= 71 (n, n') Level

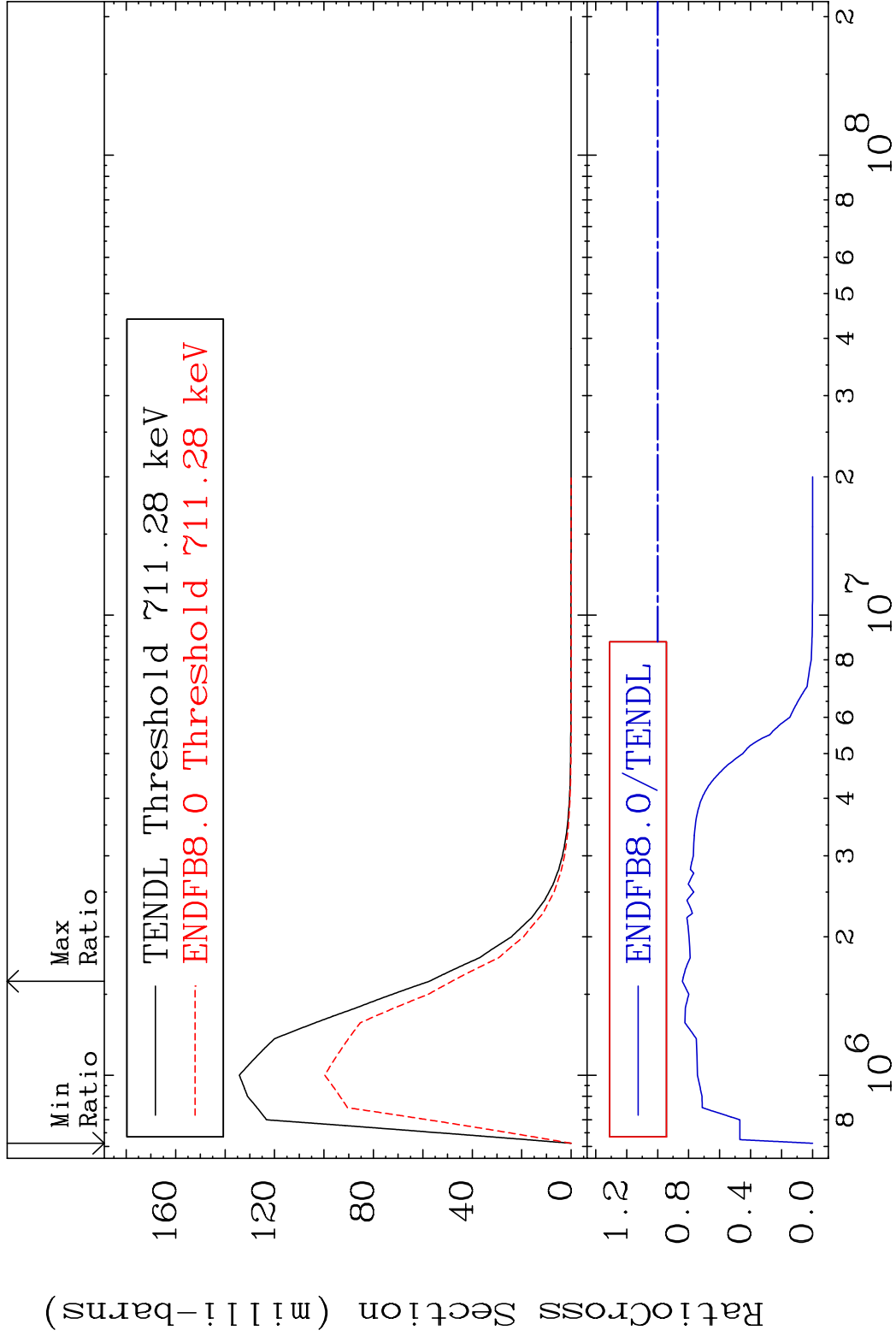
70-Yb-169

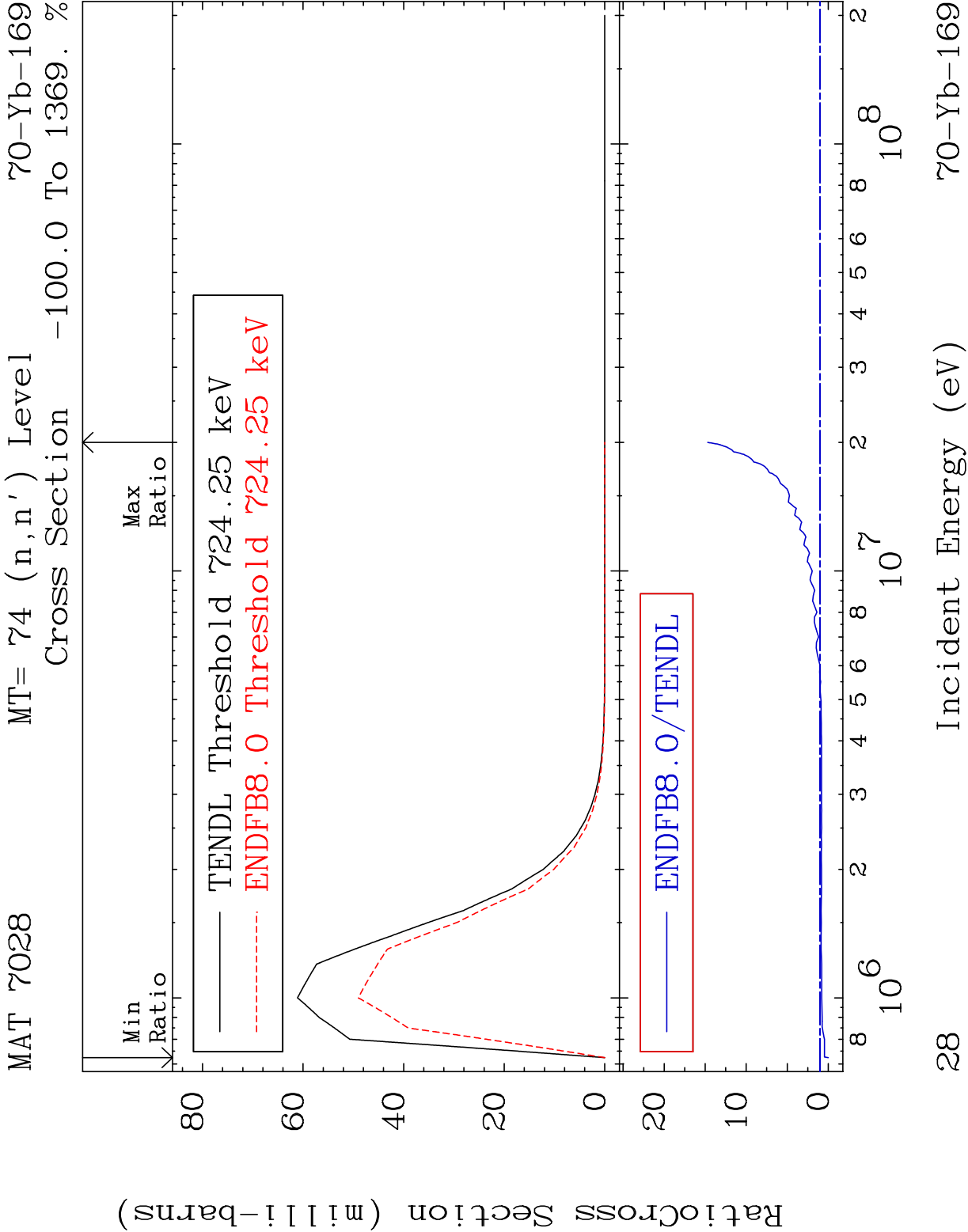
Cross Section -100.0 To 1374. %



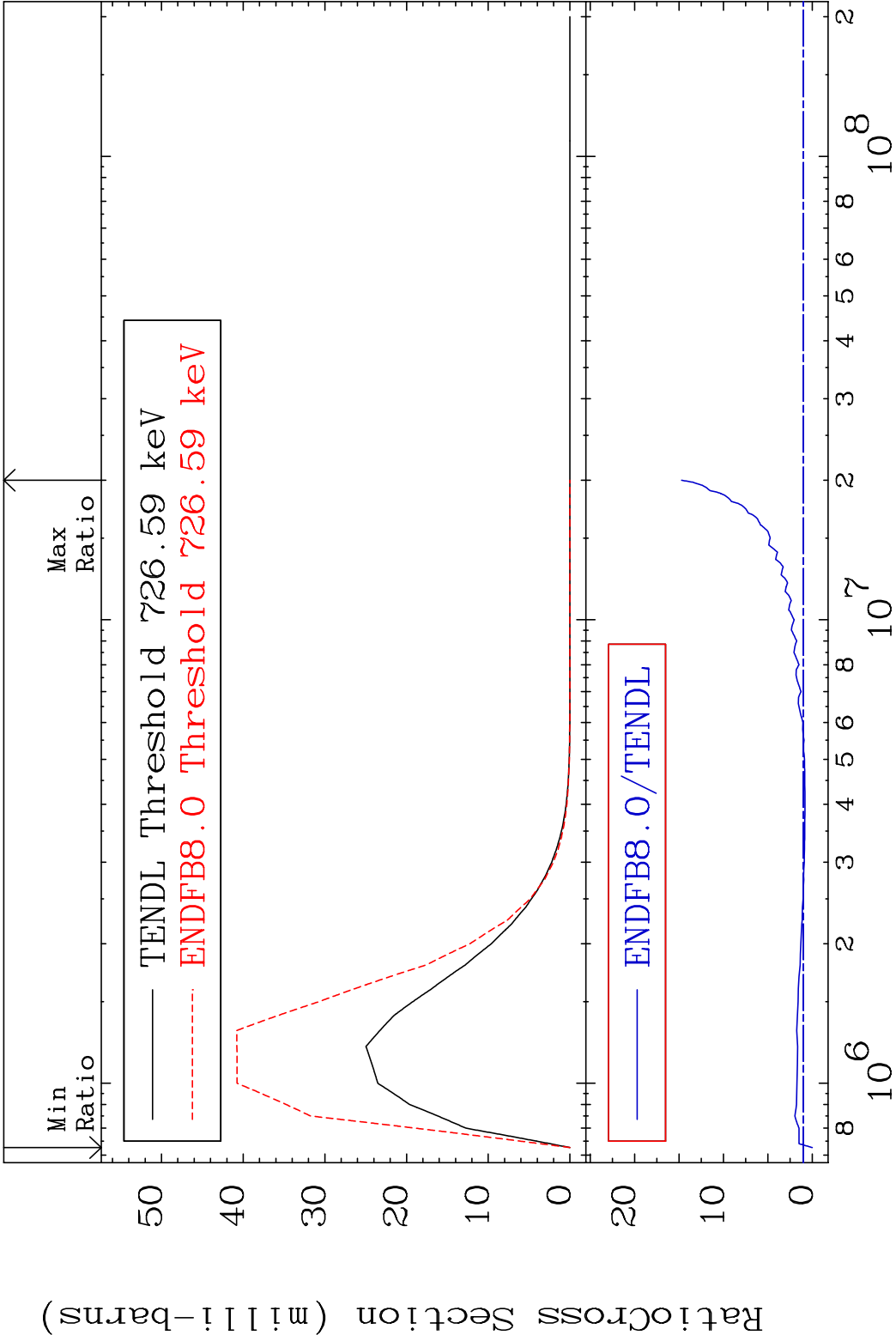


MAT 7028 MT= 73 (n,n') Level 70-Yb-169
Cross Section -100.0 To -15.94%

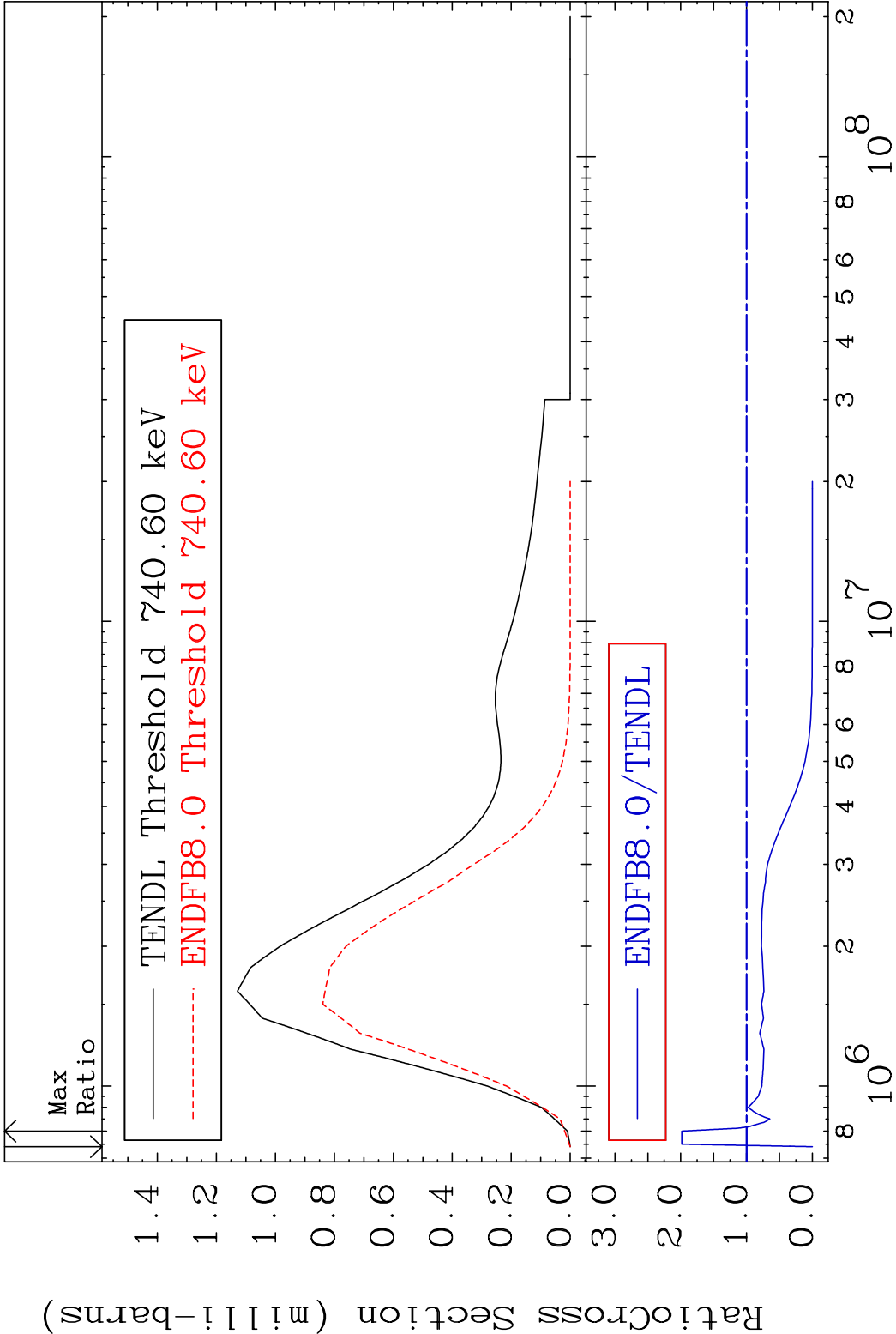




MAT 7028 MT= 75 (n,n') Level 70-Yb-169
Cross Section -100.0 To 1372. %



MAT 7028 MT= 76 (n,n') Level 70-Yb-169
Cross Section -100.0 To 98.44 %



30 Incident Energy (eV) 70-Yb-169

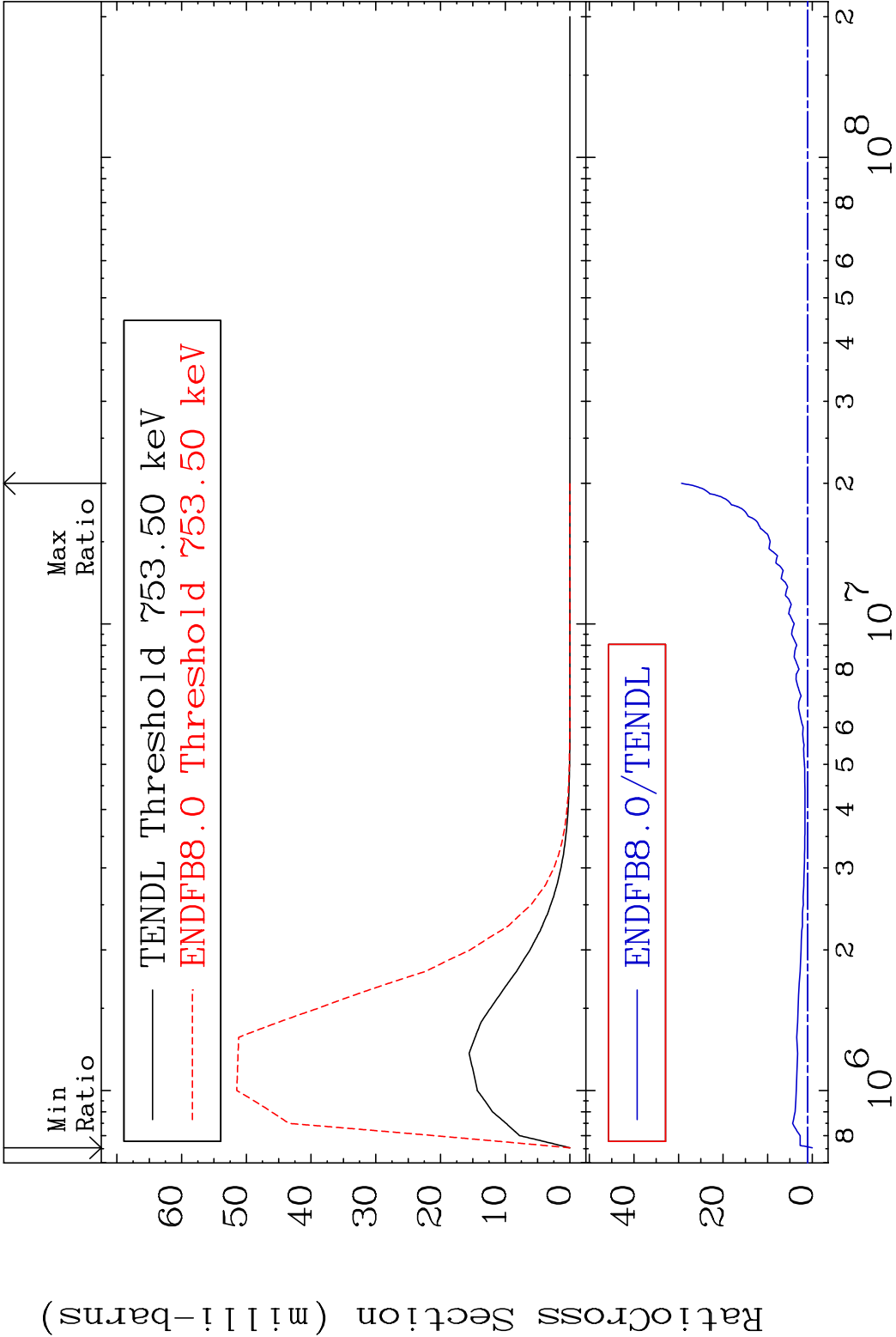
MAT 7028

MT= 77 (n,n') Level

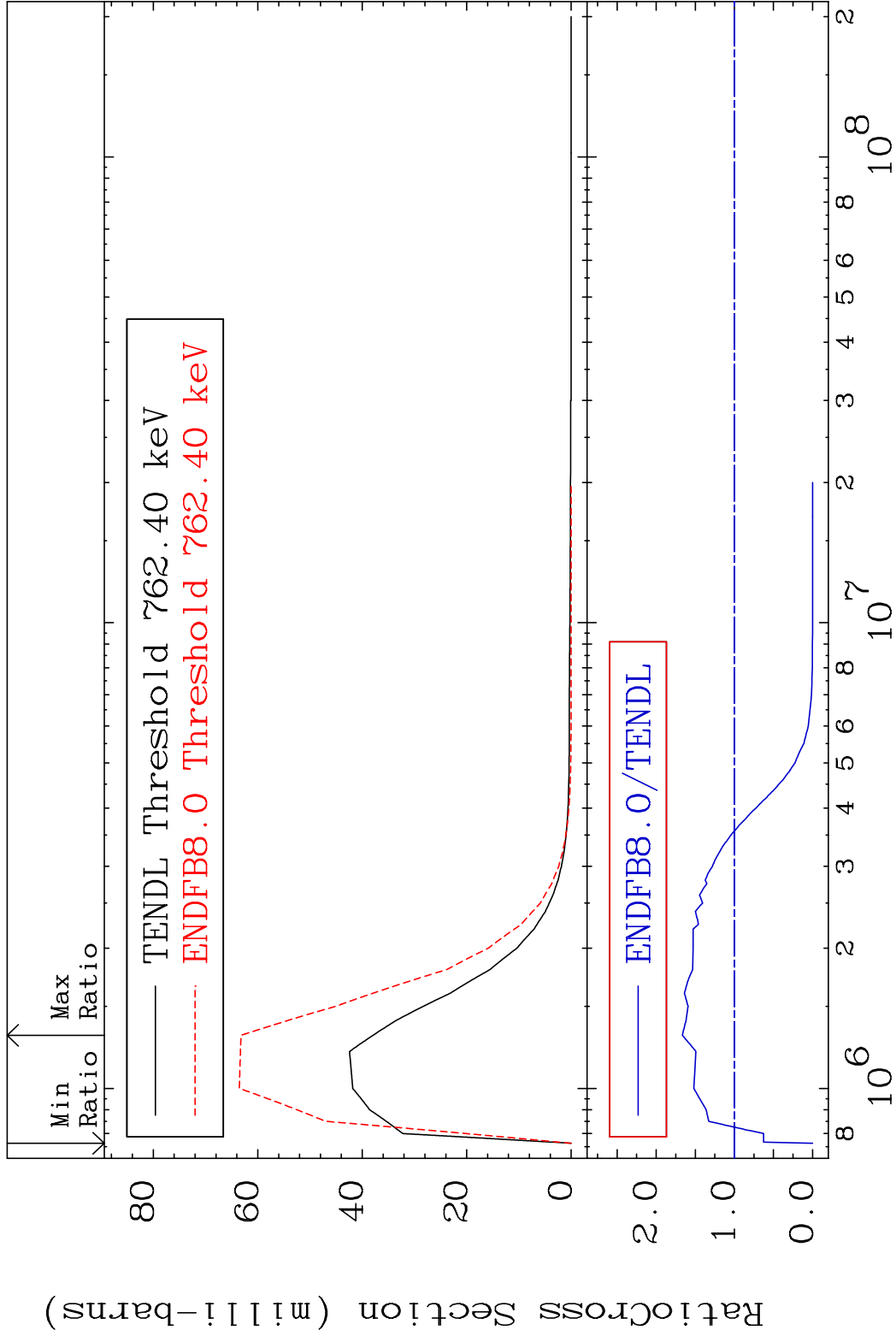
70-Yb-169

Cross Section

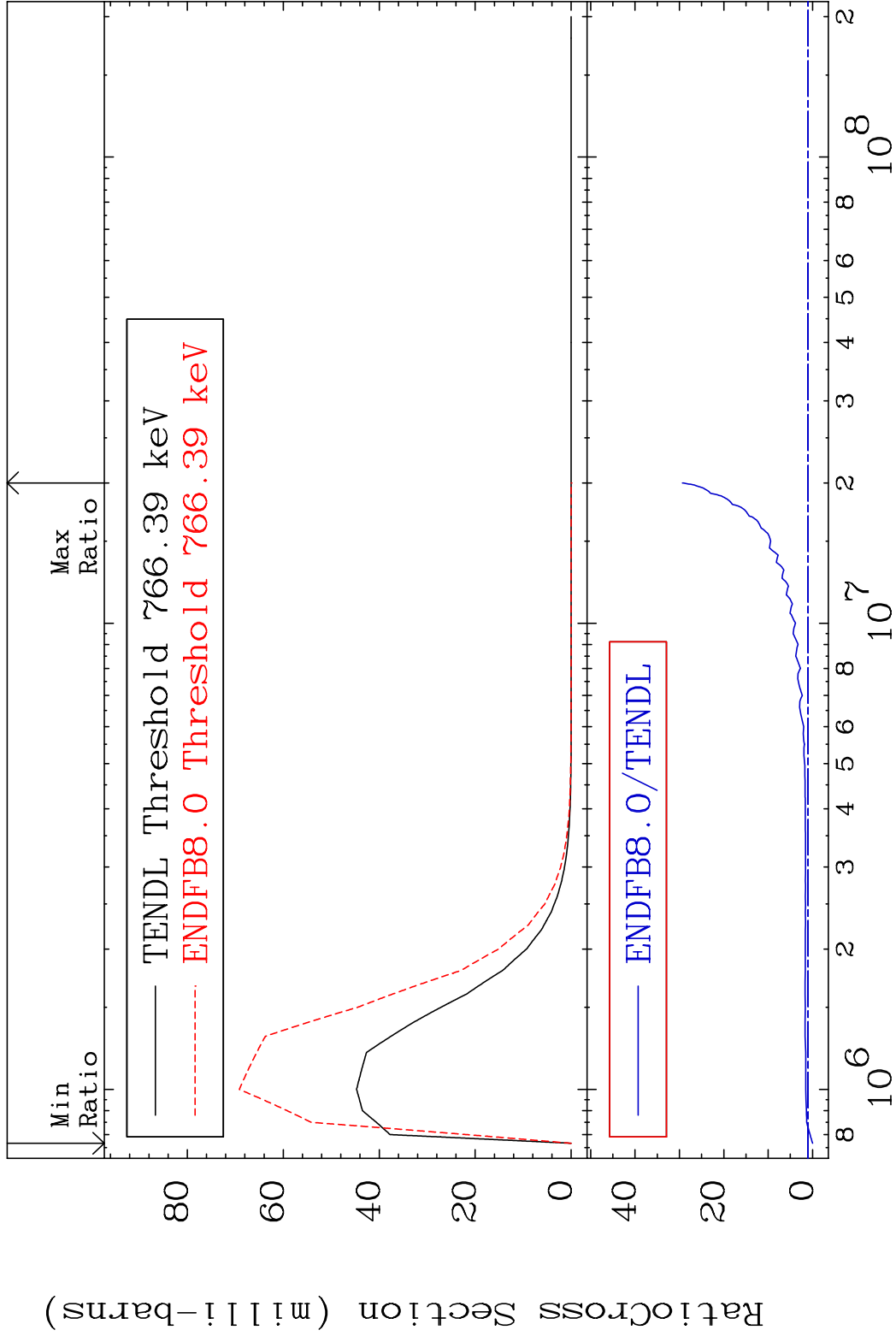
-100.0 To 2832. %



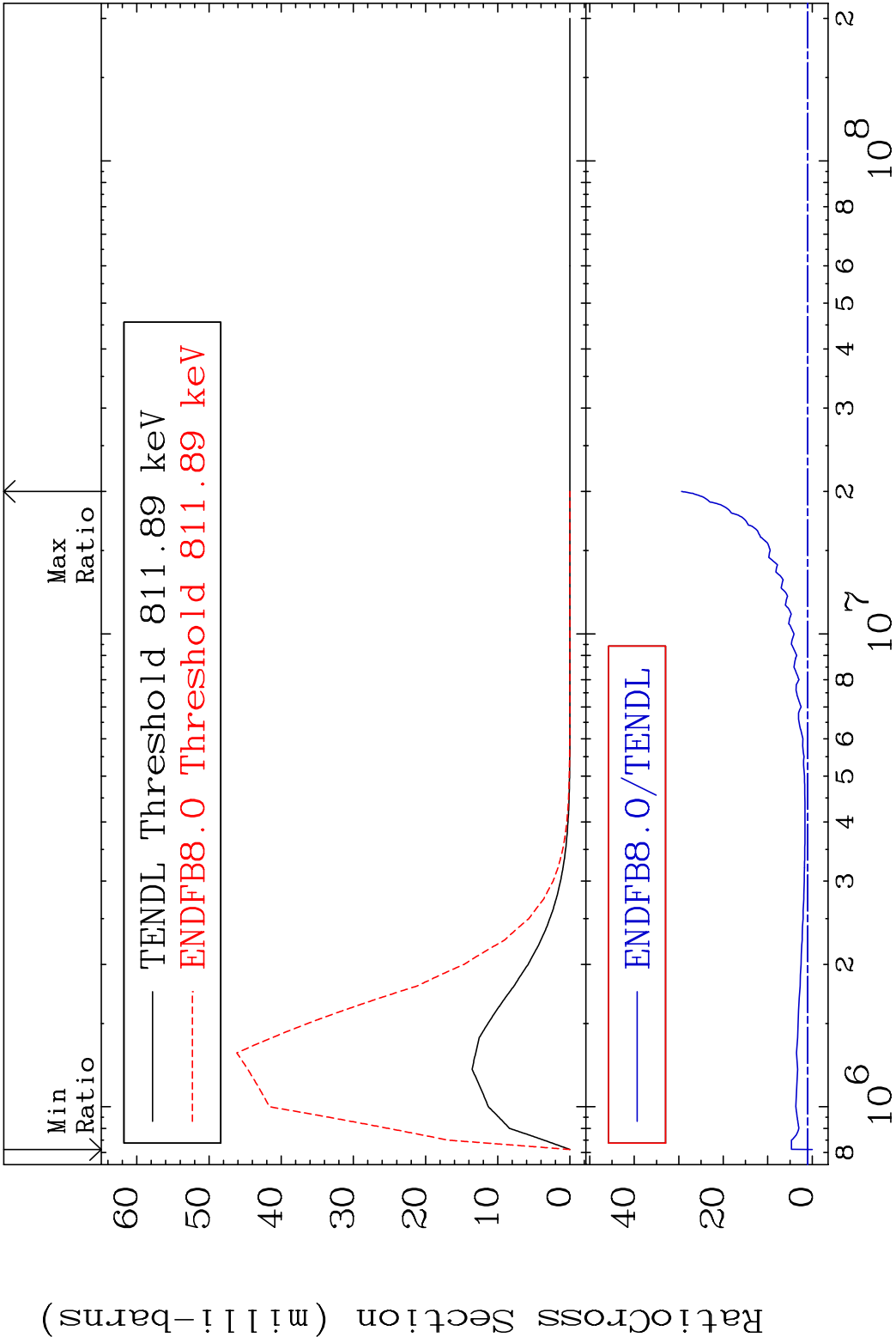
MAT 7028 MT= 78 (n,n') Level 70-Yb-169
Cross Section -100.0 To 66.54 %

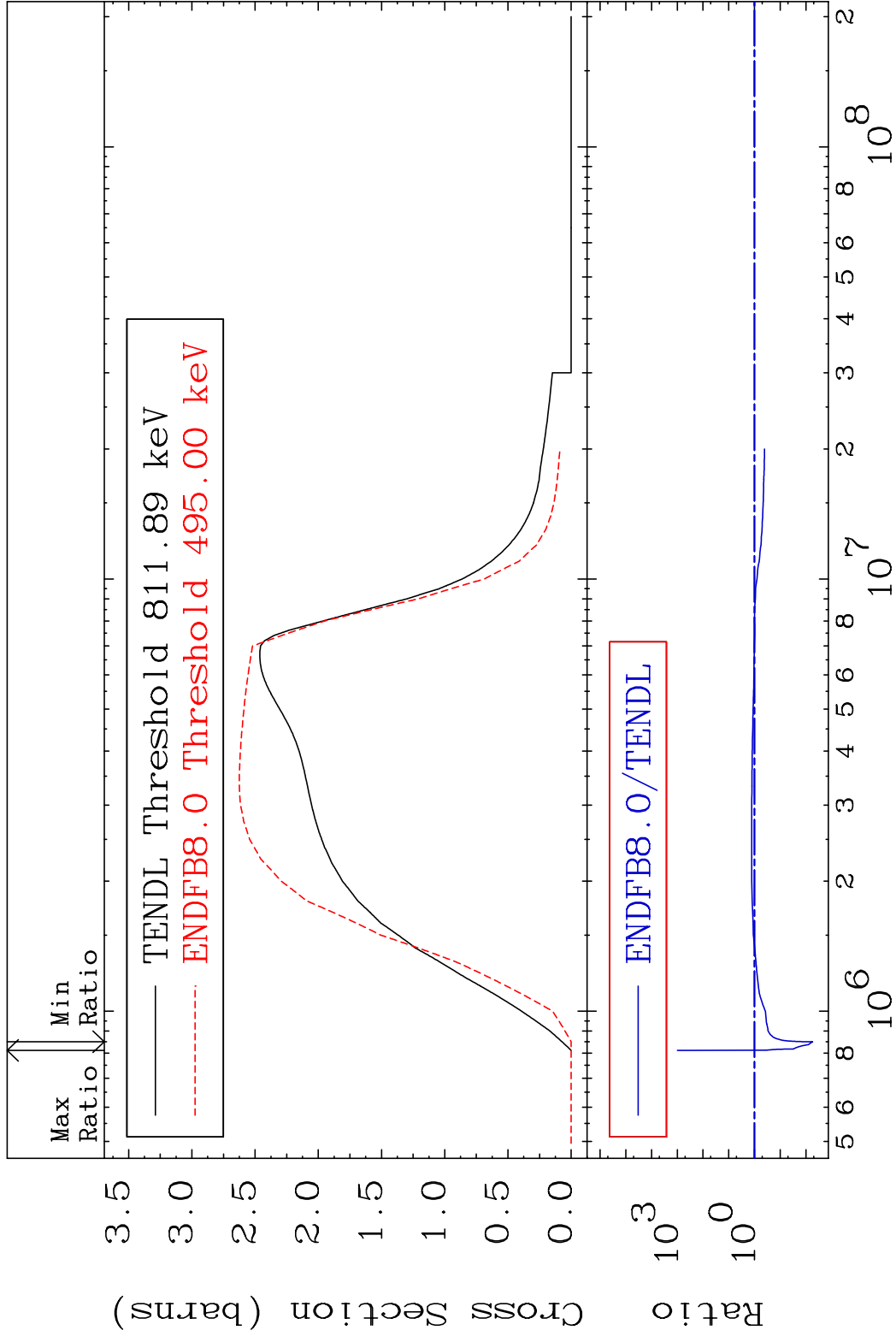


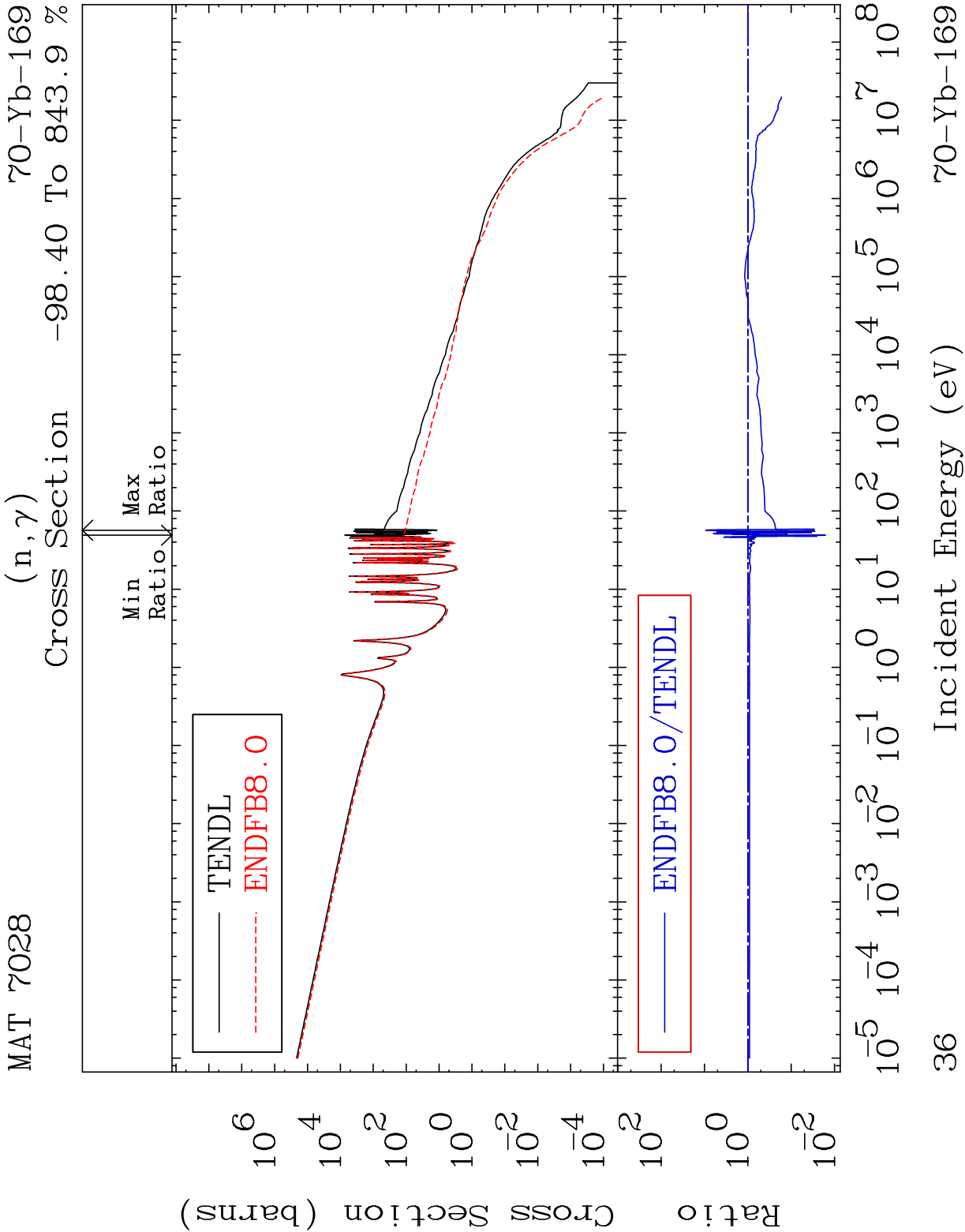
MAT 7028 MT= 79 (n,n') Level 70-Yb-169
Cross Section -100.0 To 2834. %

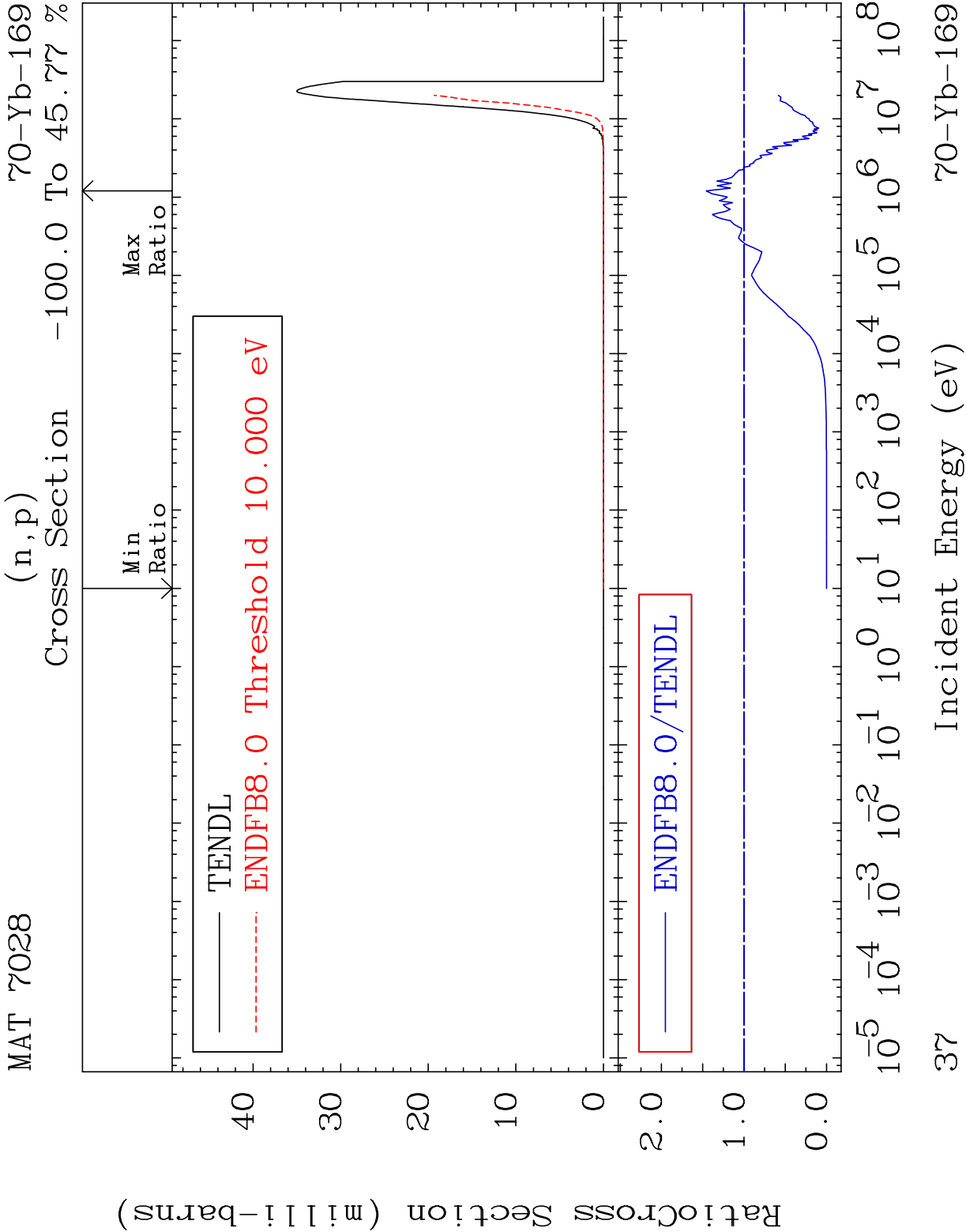


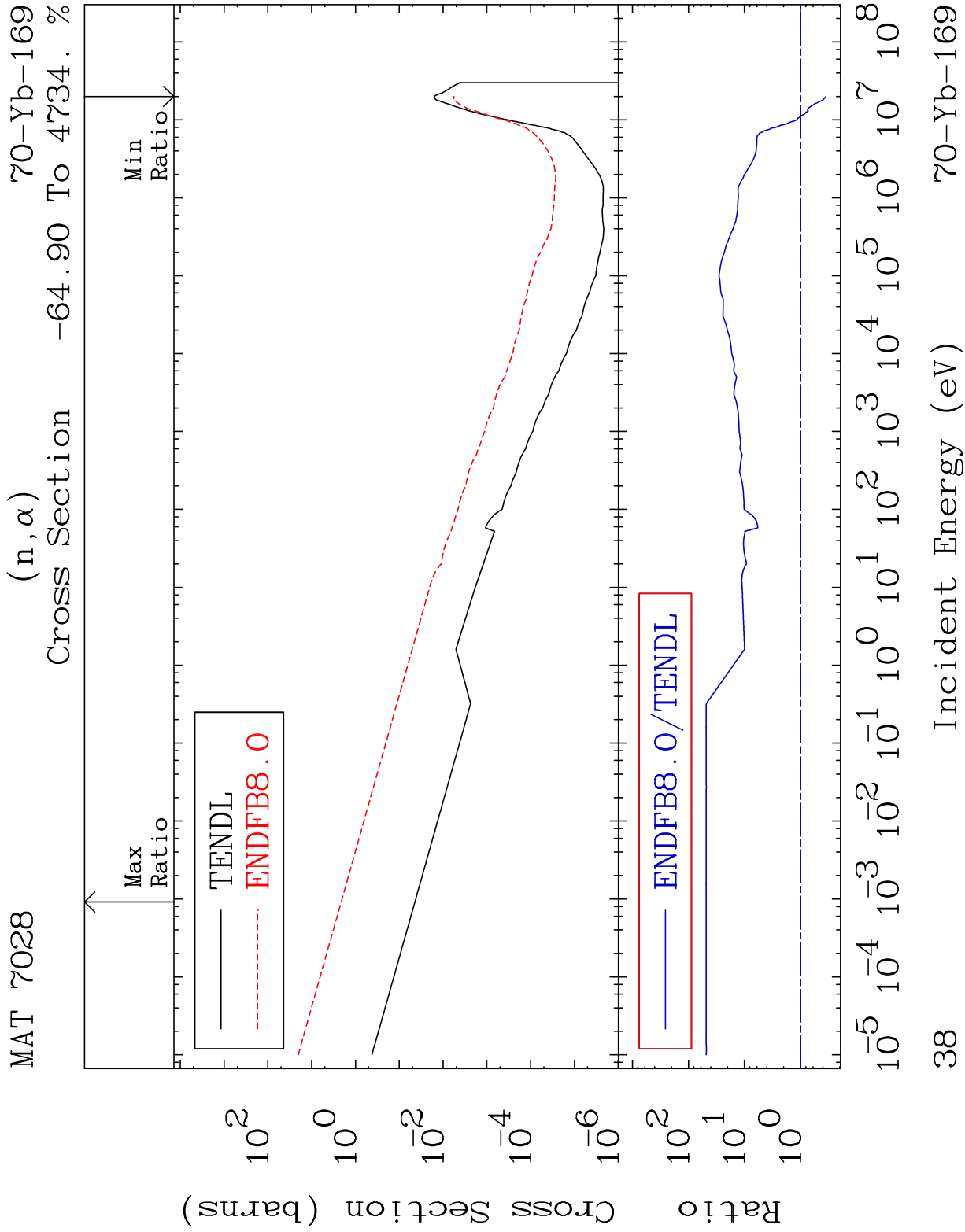
MAT 7028 MT= 80 (n,n') Level 70-Yb-169
 Cross Section -100.0 To 2838. %



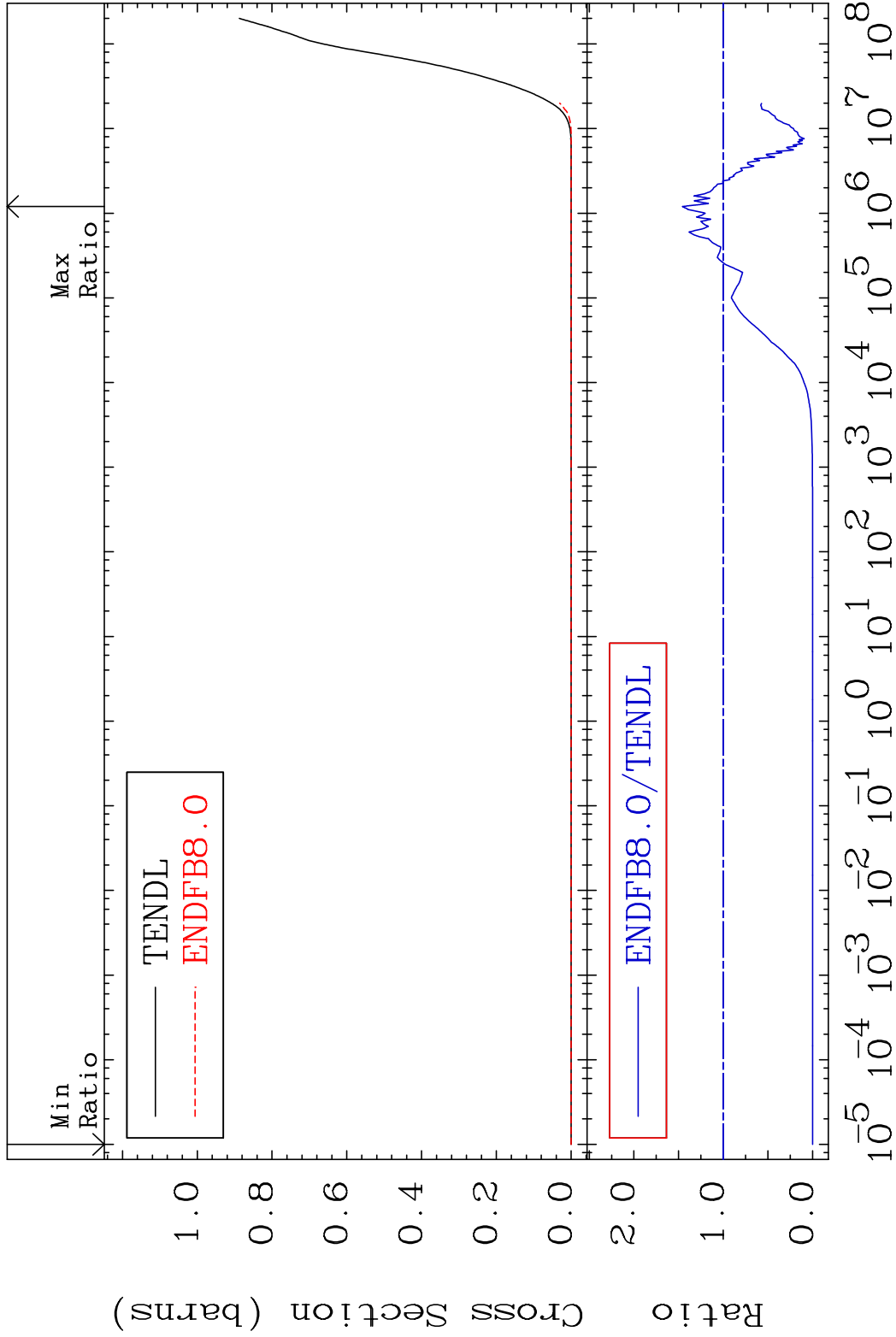




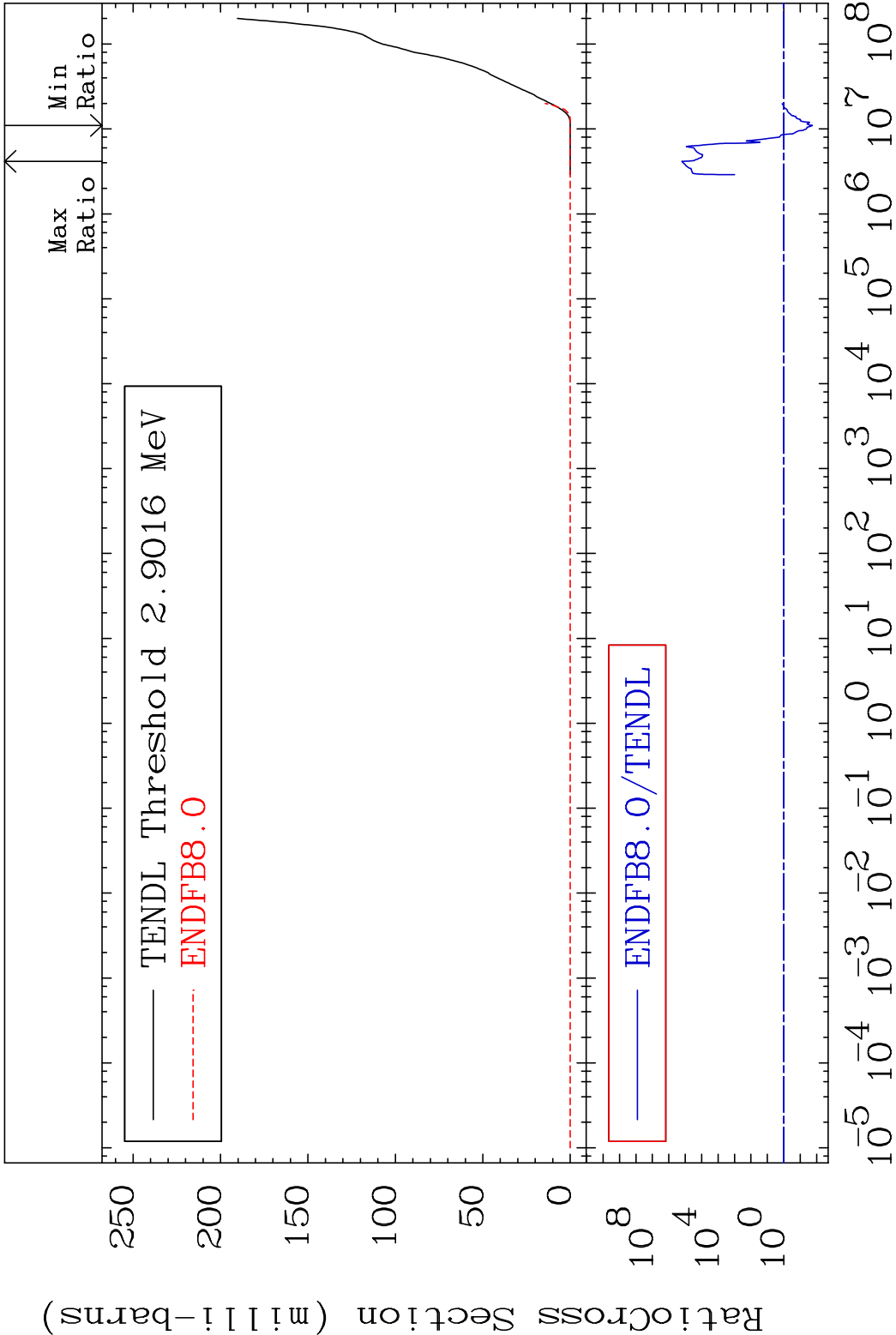


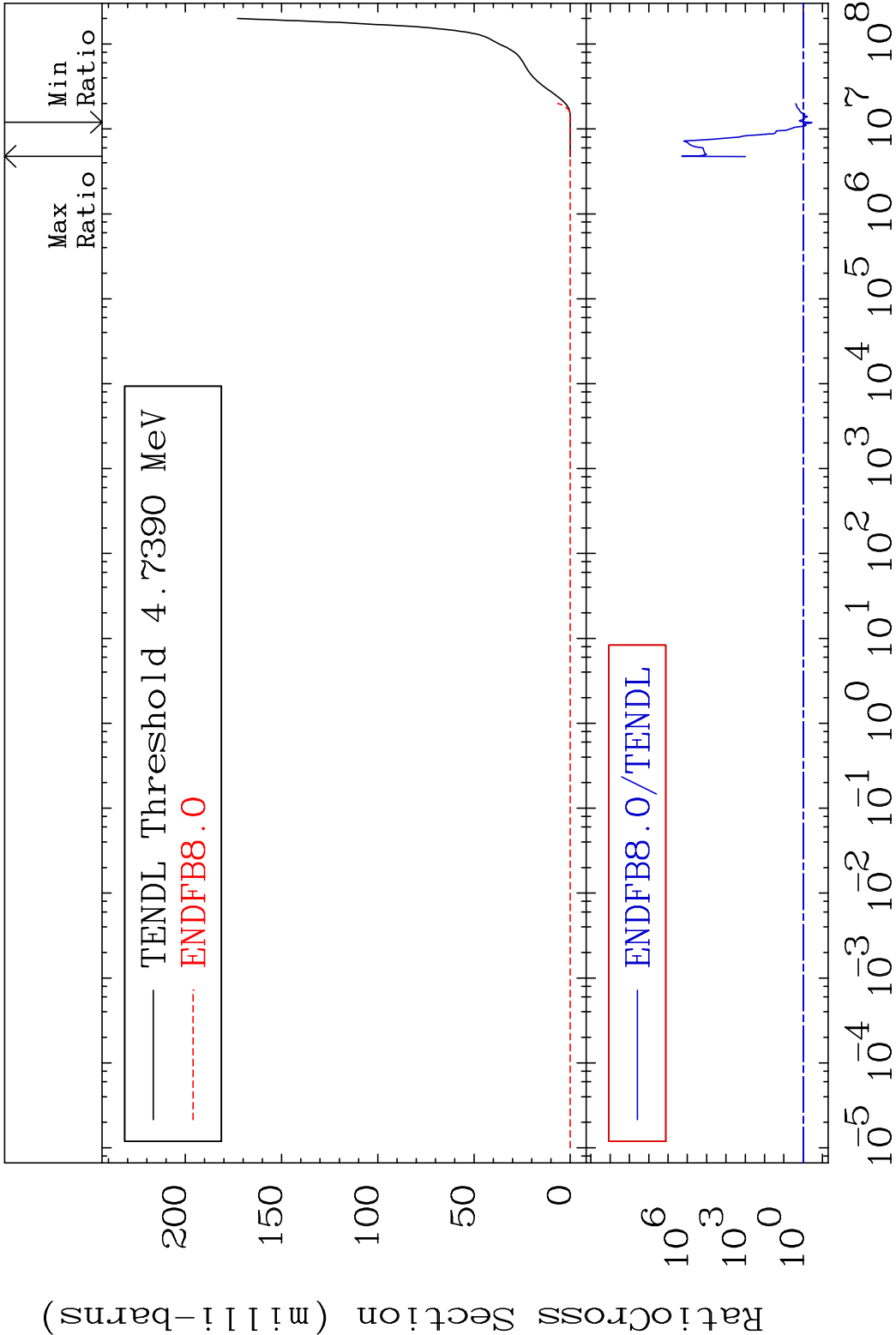


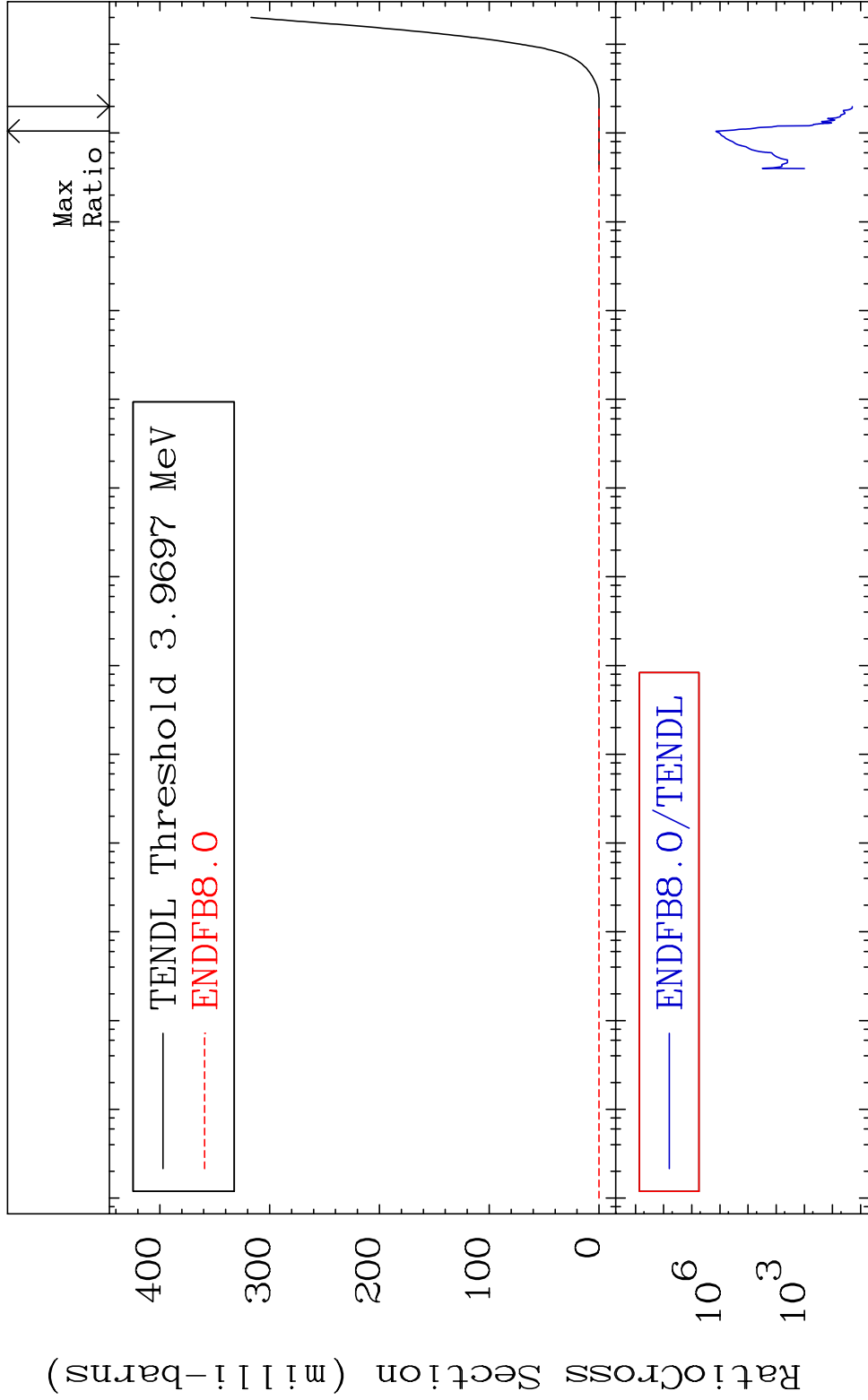
MAT 7028 Hydrogen Production 70-Yb-169
Cross Section -100.0 To 45.77 %

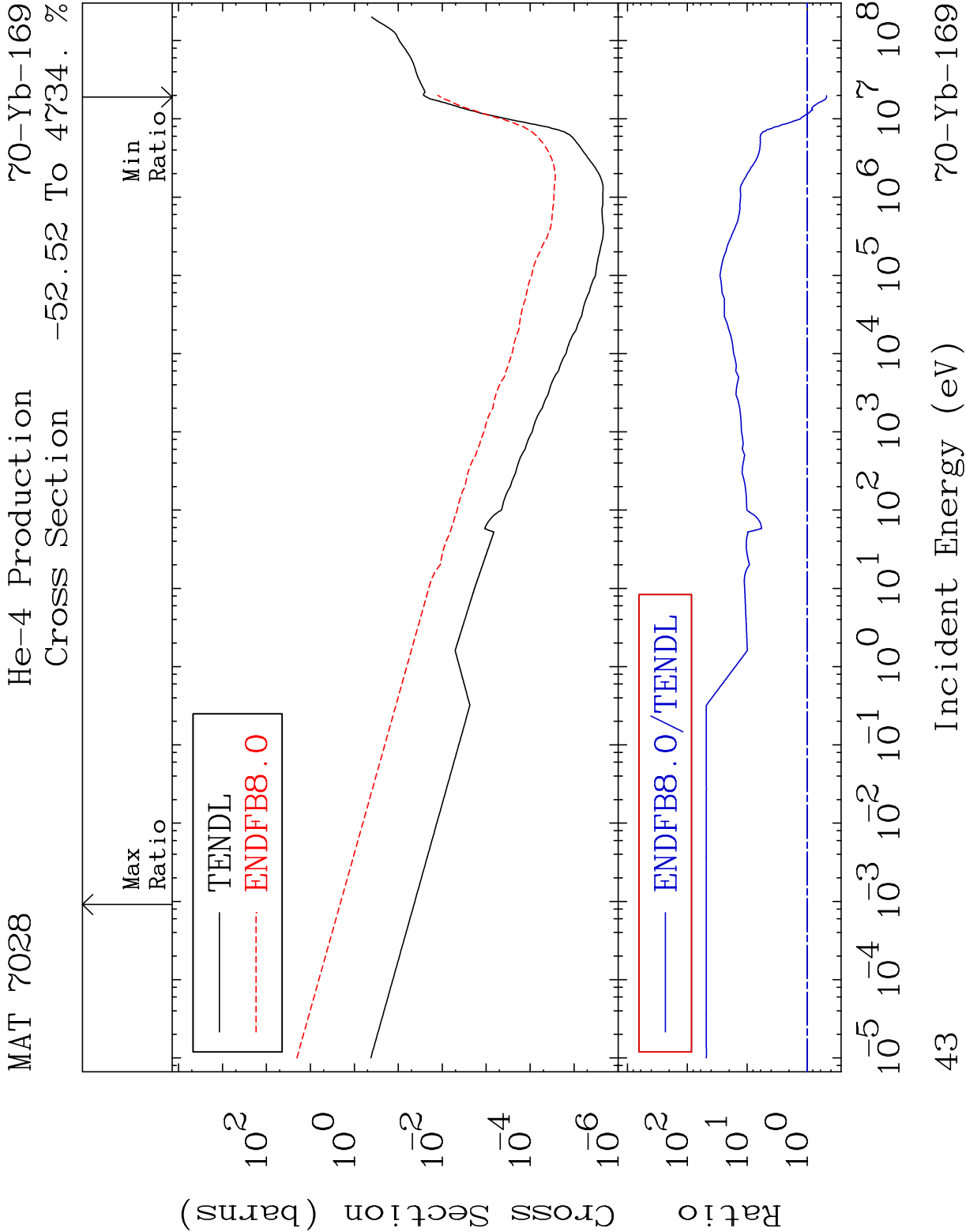


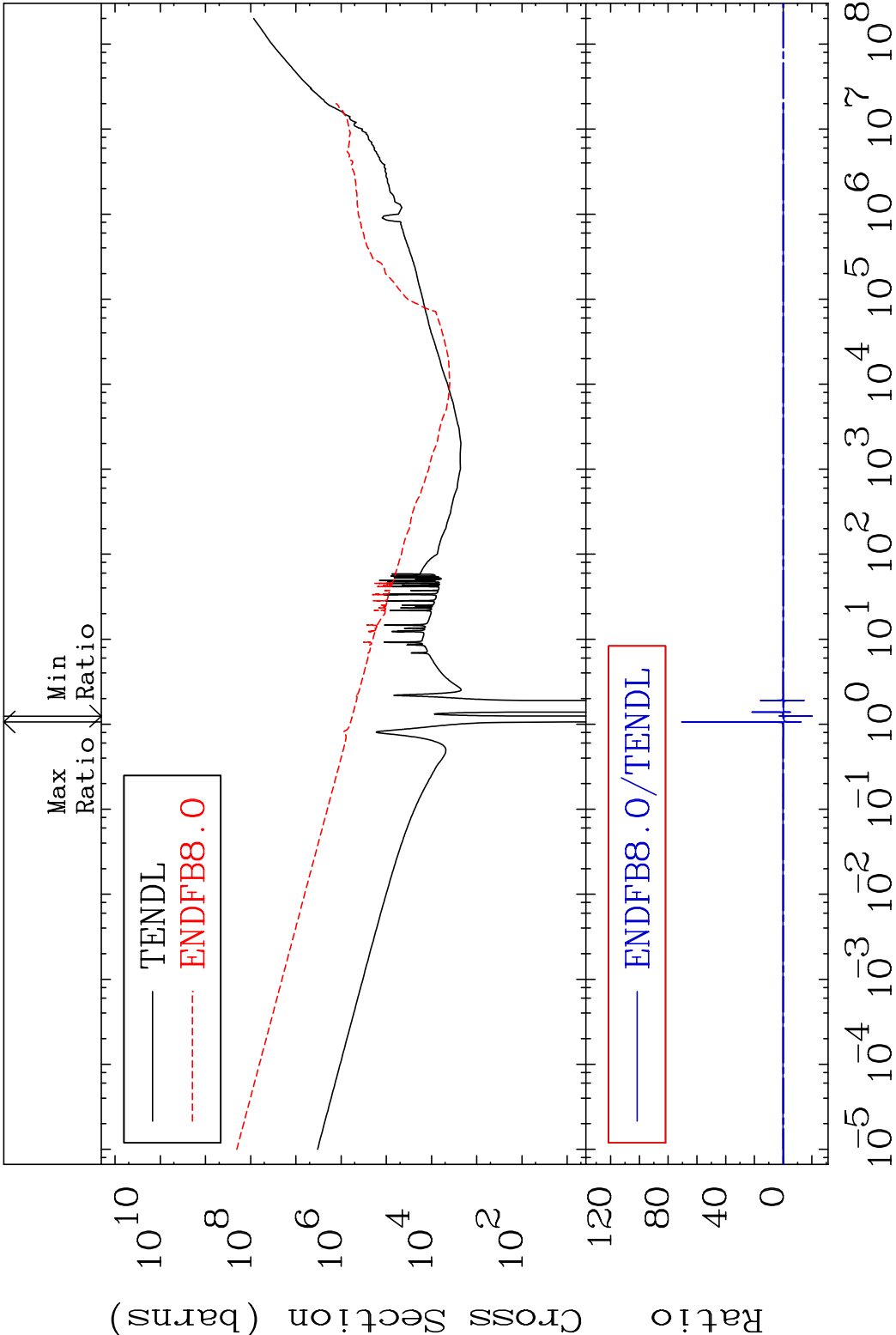
39 Incident Energy (eV) 70-Yb-169



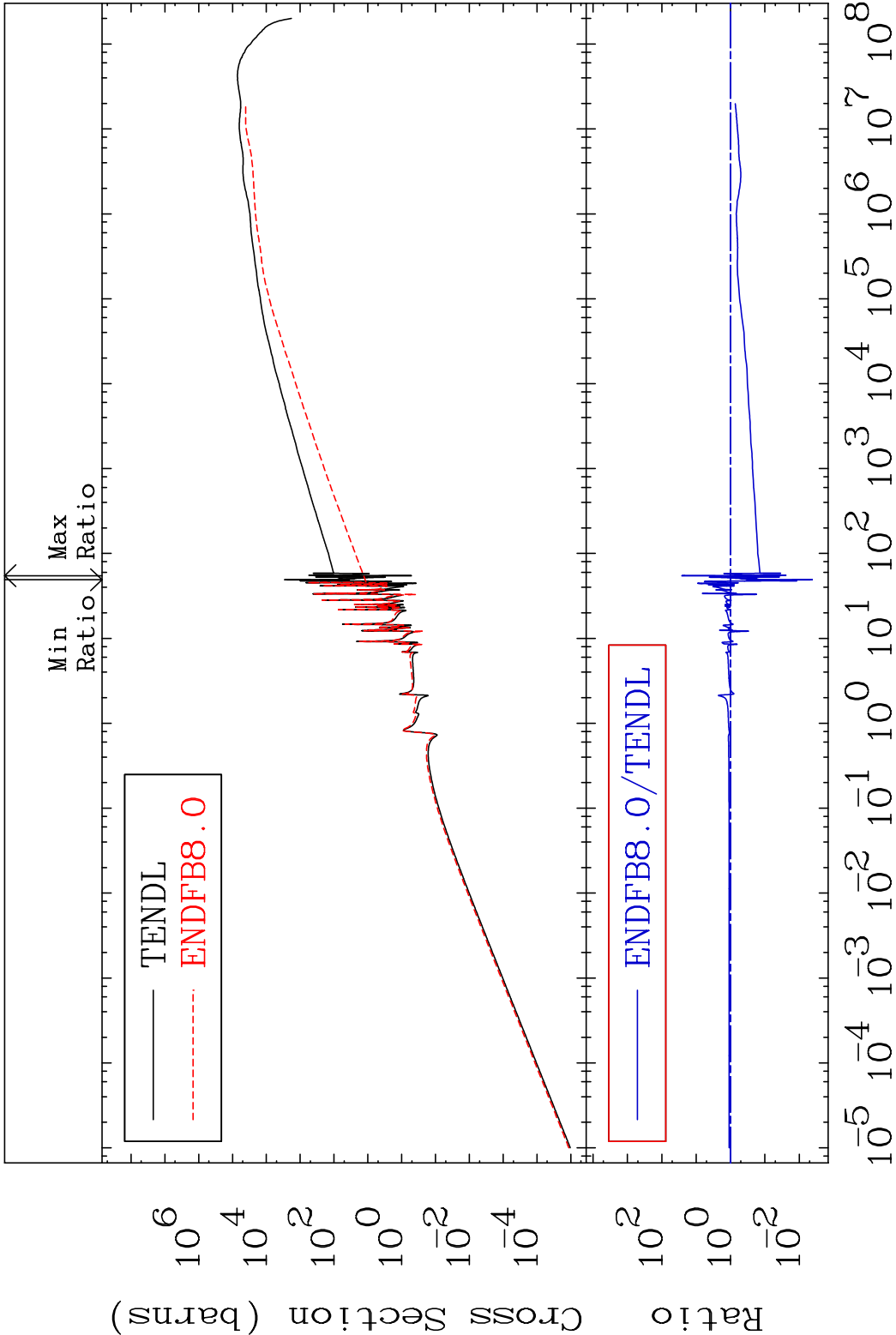






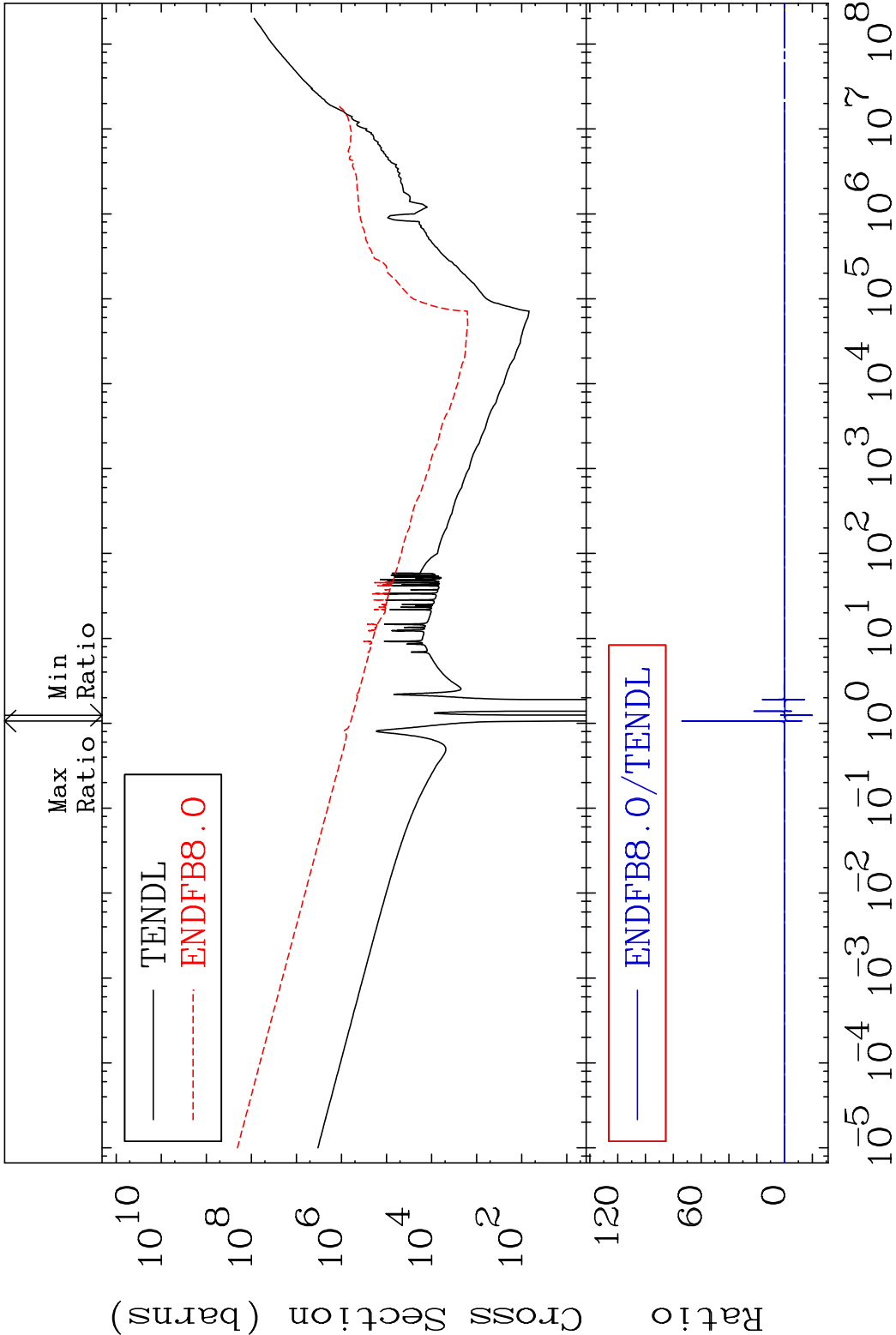


MAT 7028 Kerma elastic 70-Yb-169
Cross Section -99.58 To 2531. %

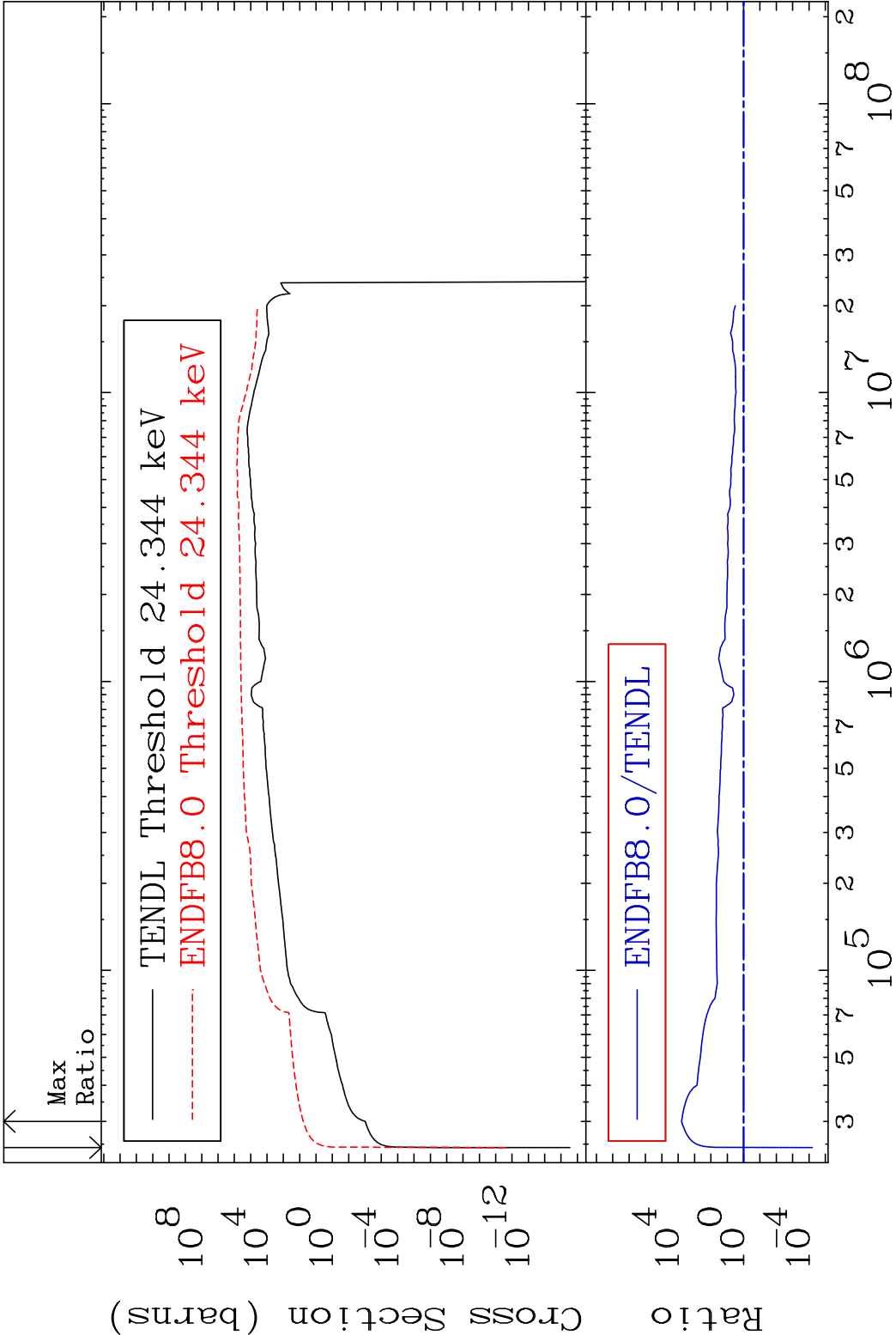


45 Incident Energy (eV) 70-Yb-169

MAT 7028 Kerma non-elastic (all but mt2) 70-Yb-169
Cross Section -9999. To 9999. %

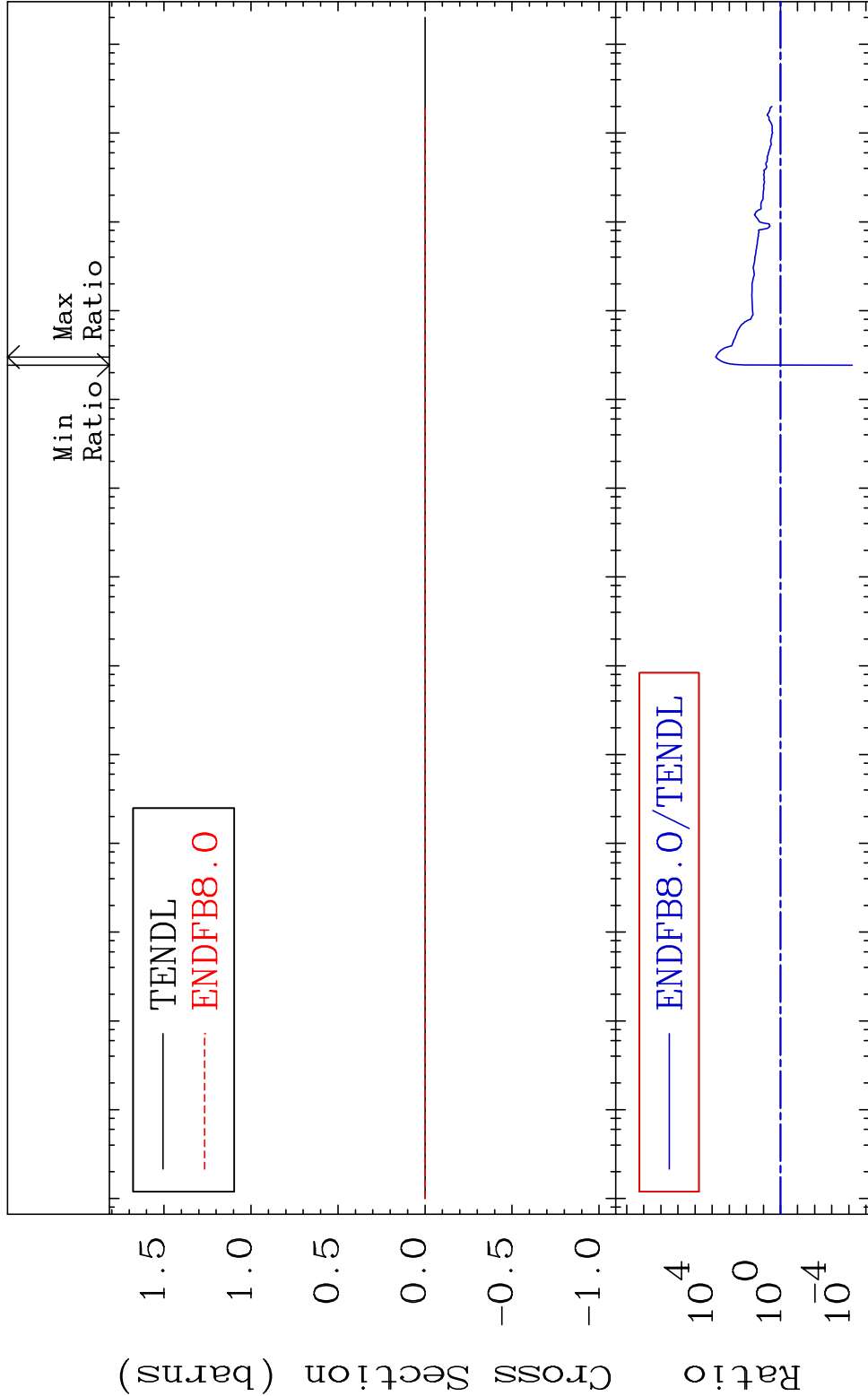


46 Incident Energy (eV) 70-Yb-169



MAT 7028Kerma fission (mt18 or mt19-20-21-38)70-Yb-169

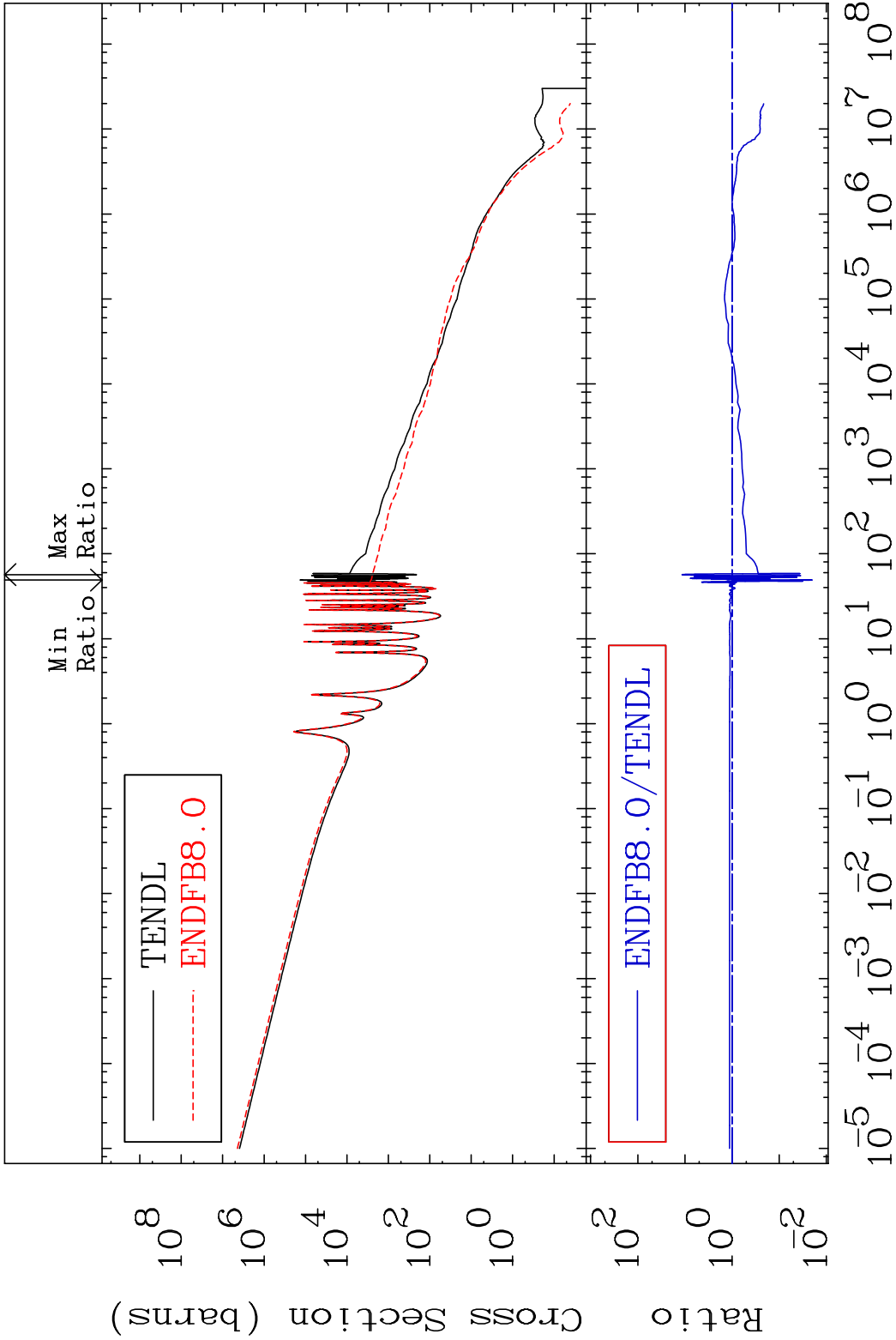
Cross Section -99.99 To 9999. %

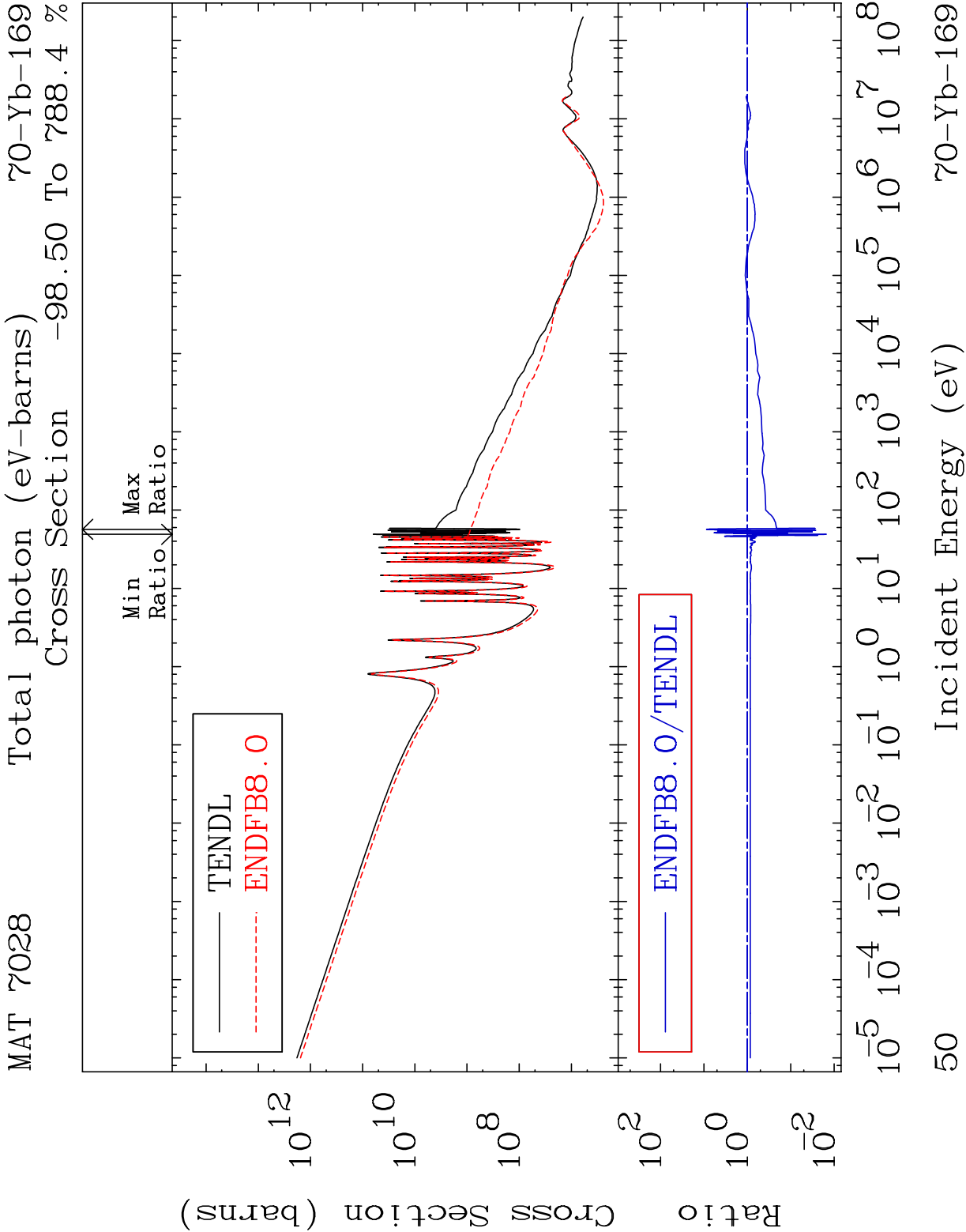


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

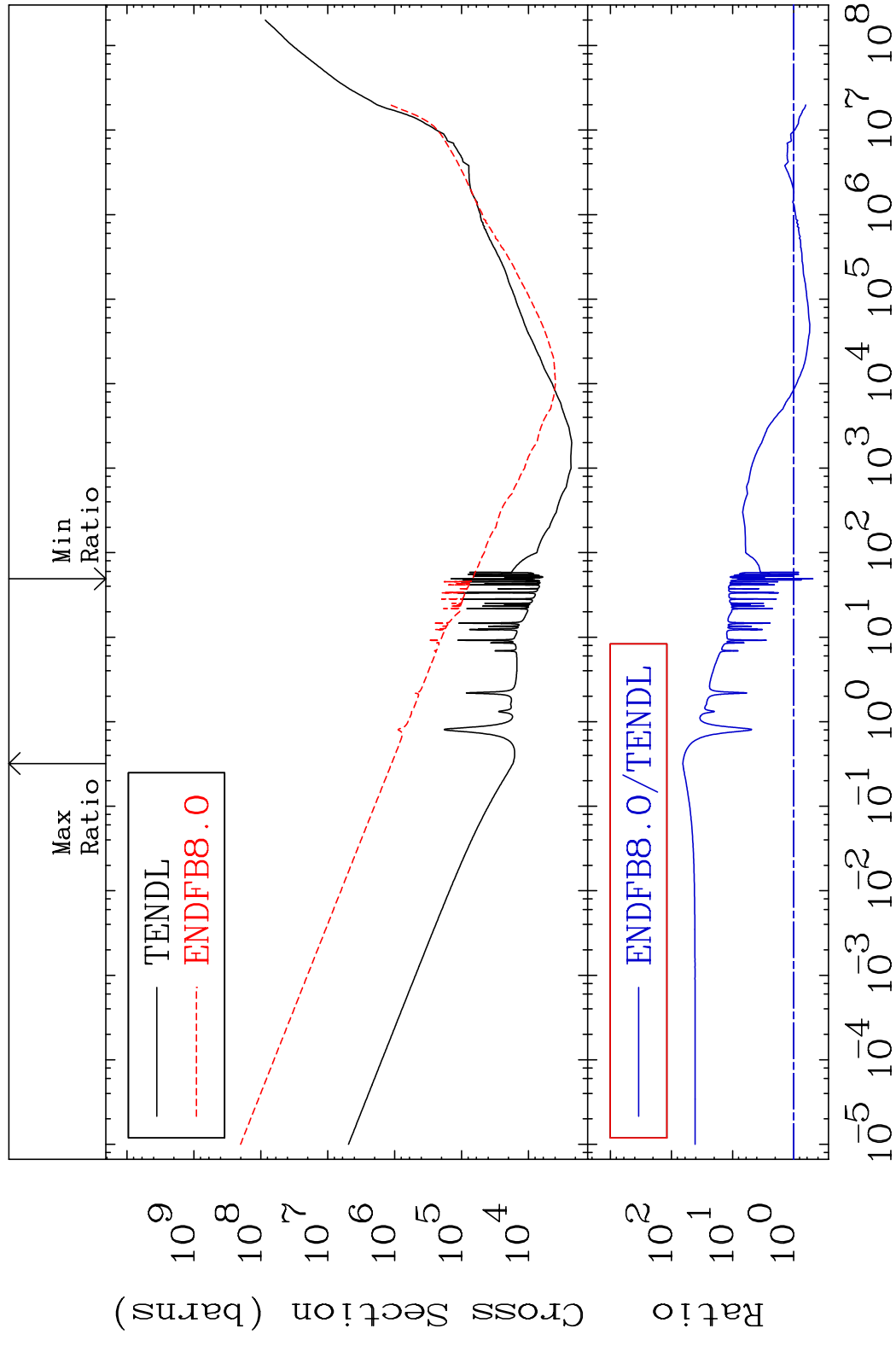
48 Incident Energy (eV) 70-Yb-169

MAT 7028 Kerma capture (mt102) 70-Yb-169
Cross Section -98.03 To 1065. %





MAT 7028 Total kinematic kerma (high limit) 70-Yb-169
Cross Section -51.37 To 6432. %



15

Incident Energy (eV)

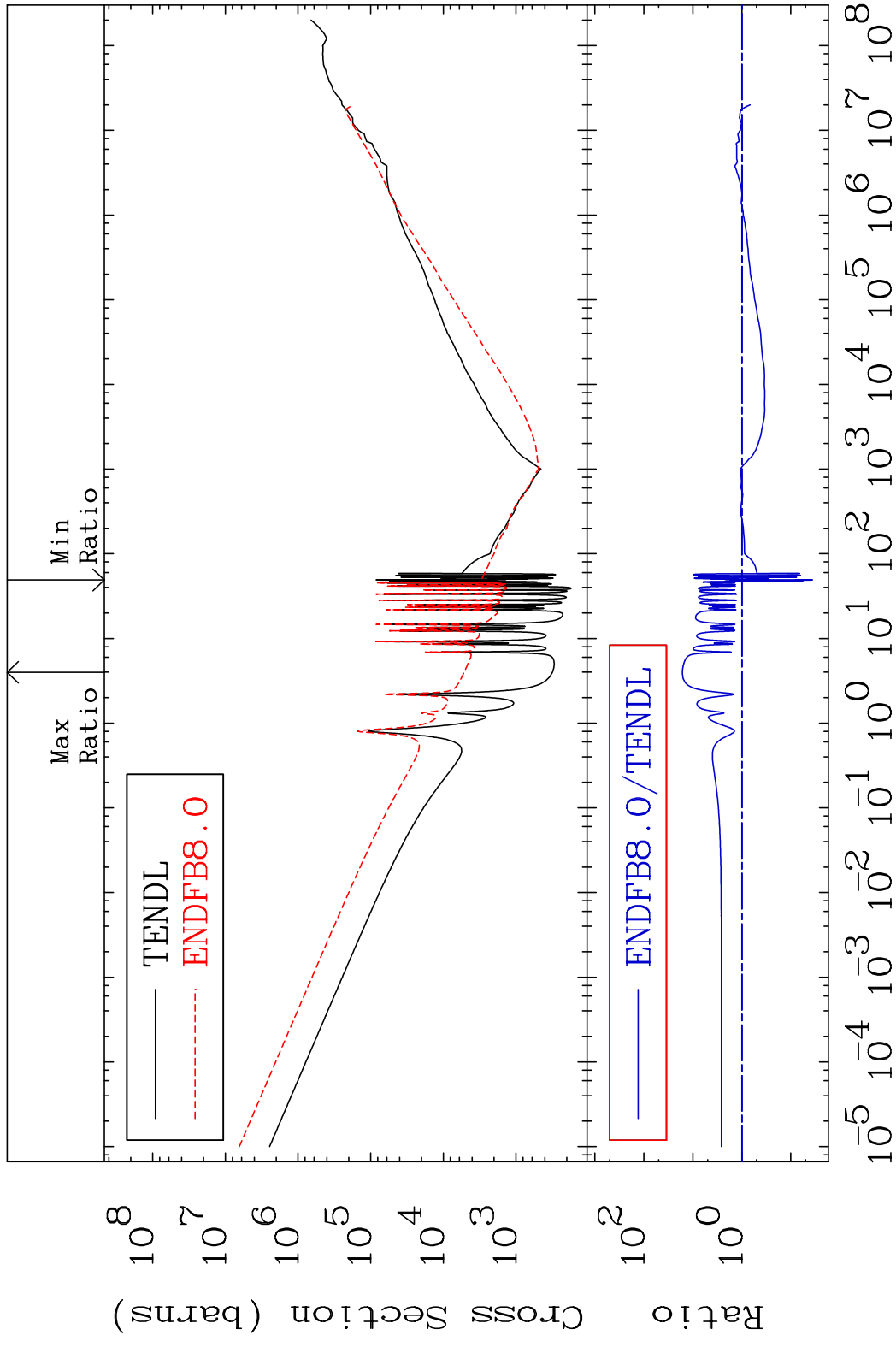
70-Yb-169

MAT 7028

Dpa total (eV-barns)

70-Yb-169

Cross Section	-96.40	To 1540. %
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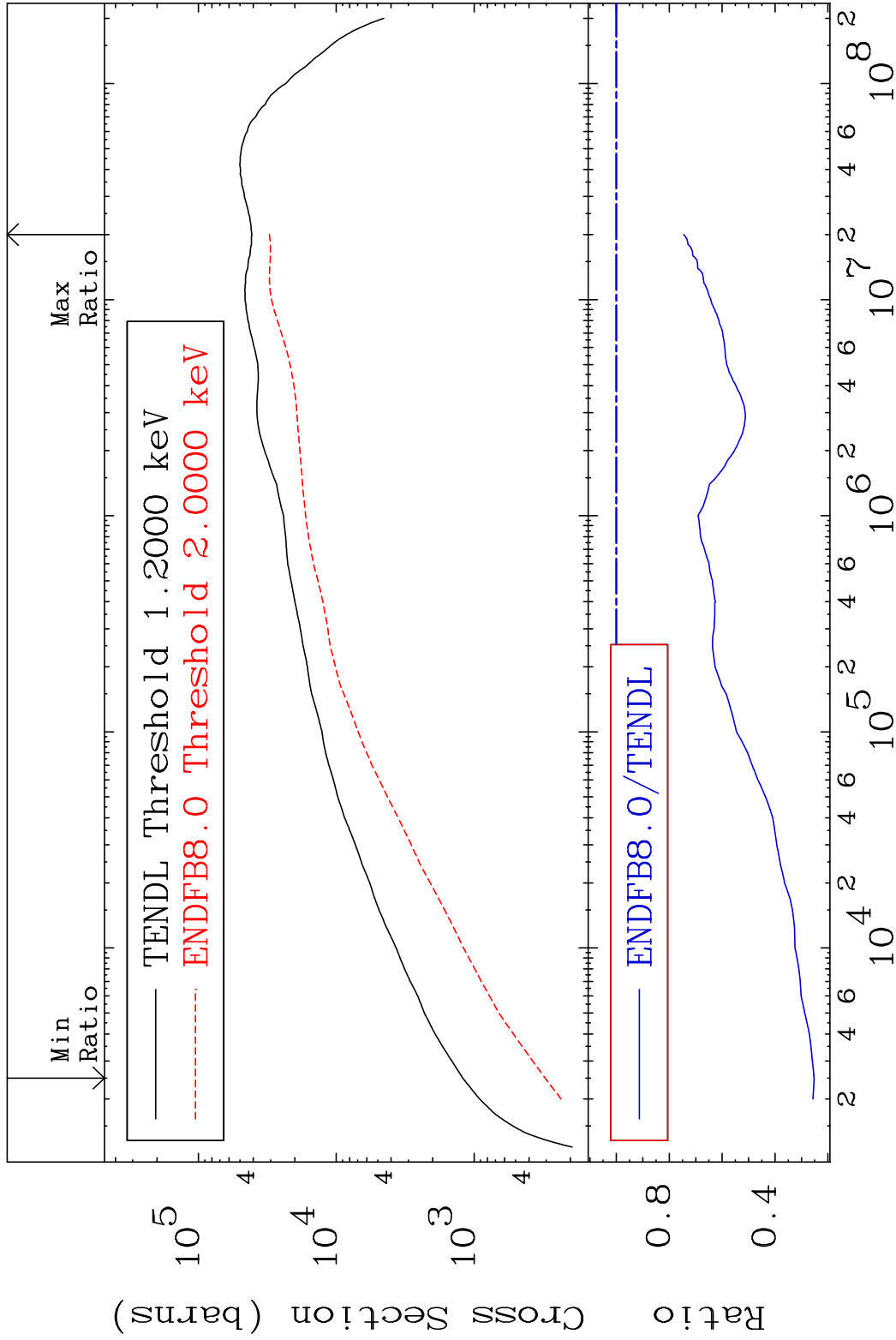


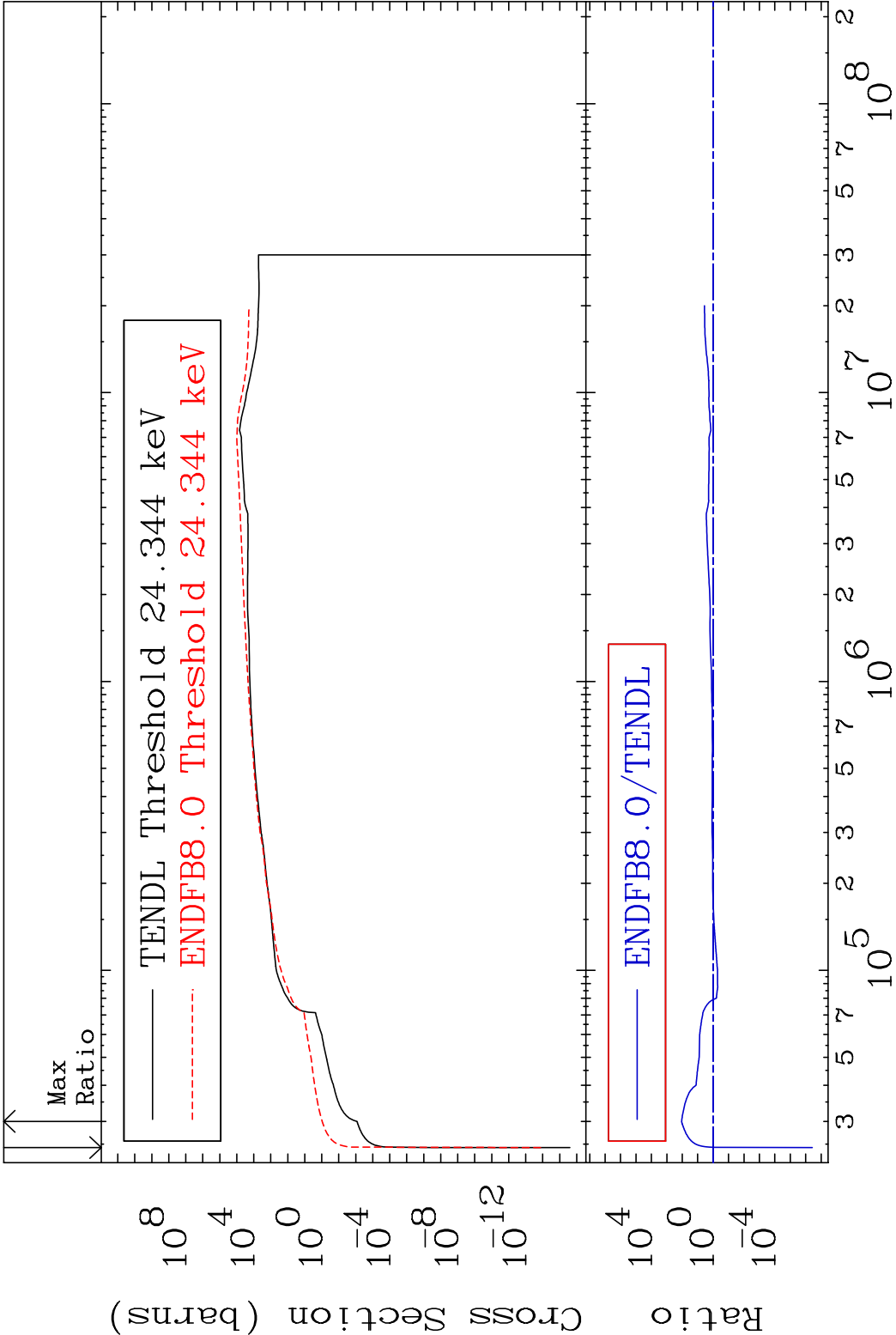
52

Incident Energy (eV)

70-Yb-169

MAT 7028	Dpa elastic (mt2)	70-Yb-169
	Cross Section	-74.77 To -25.45%





MAT 7028 Dpa disappearance (mt102 -120) 70-Yb-169
Cross Section -96.40 To 1540. %

