

Program Complot
(Version 2021-1)

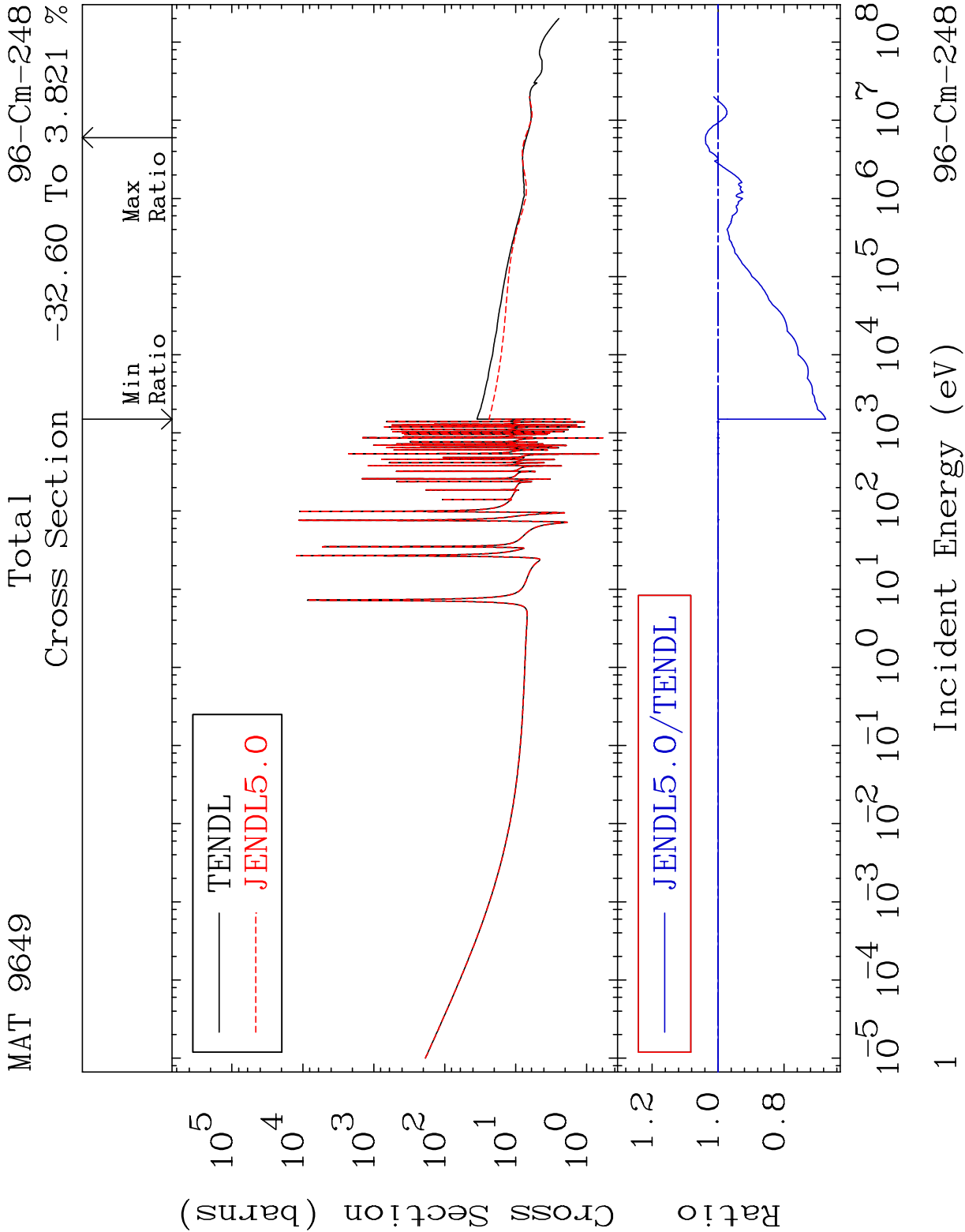
by

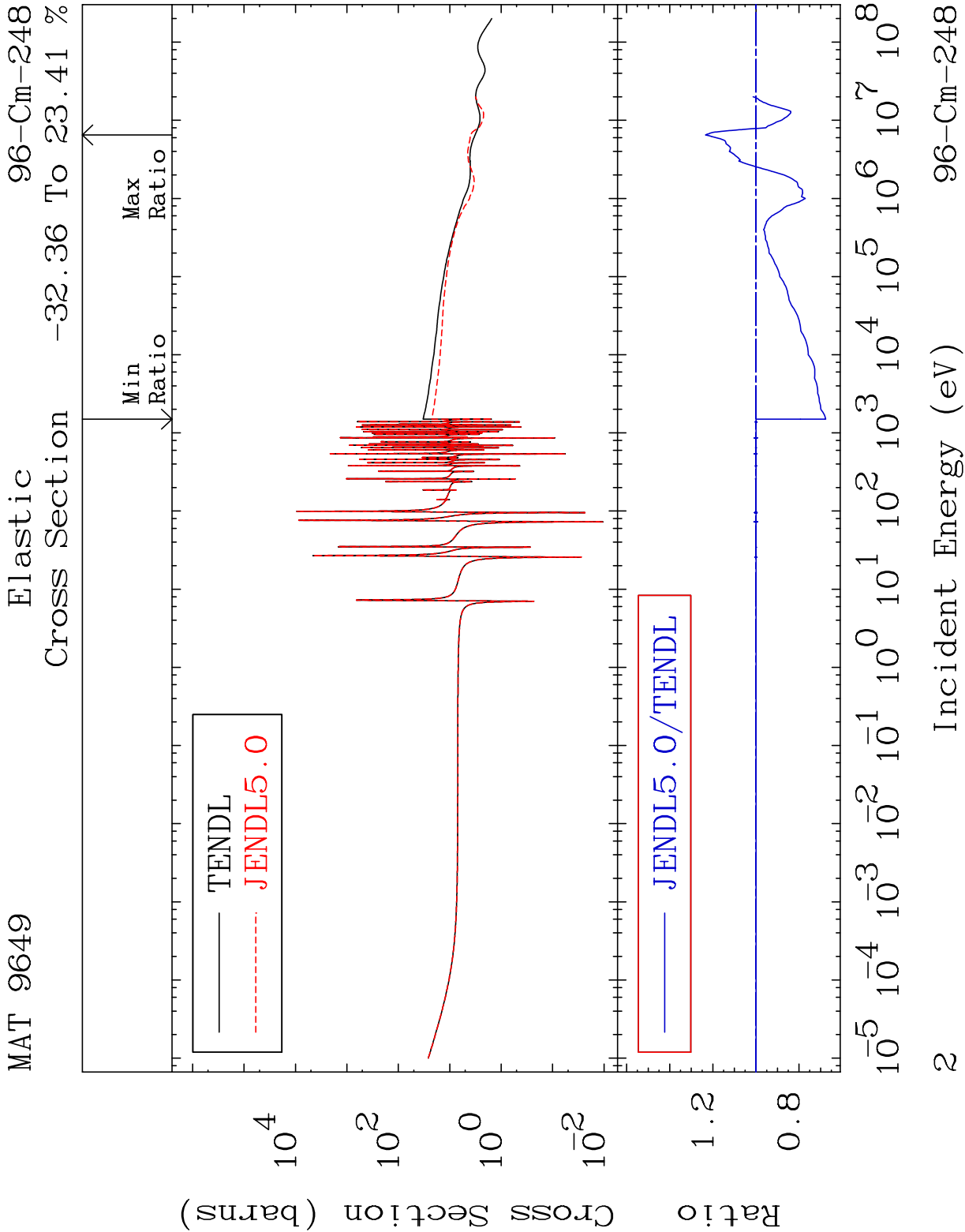
Dermott E. Cullen
(Present Contact Information)

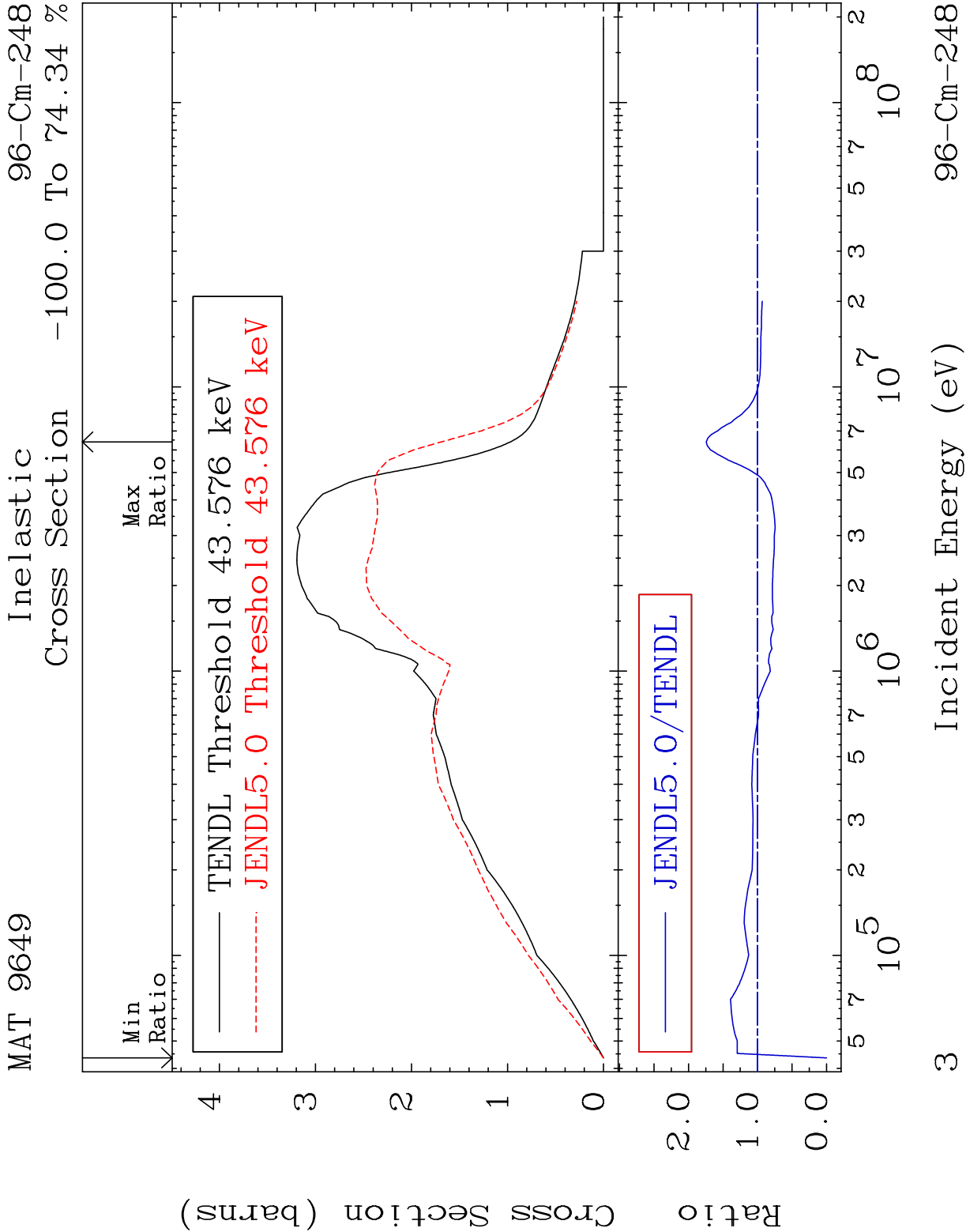
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Livermore, CA 94550
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Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





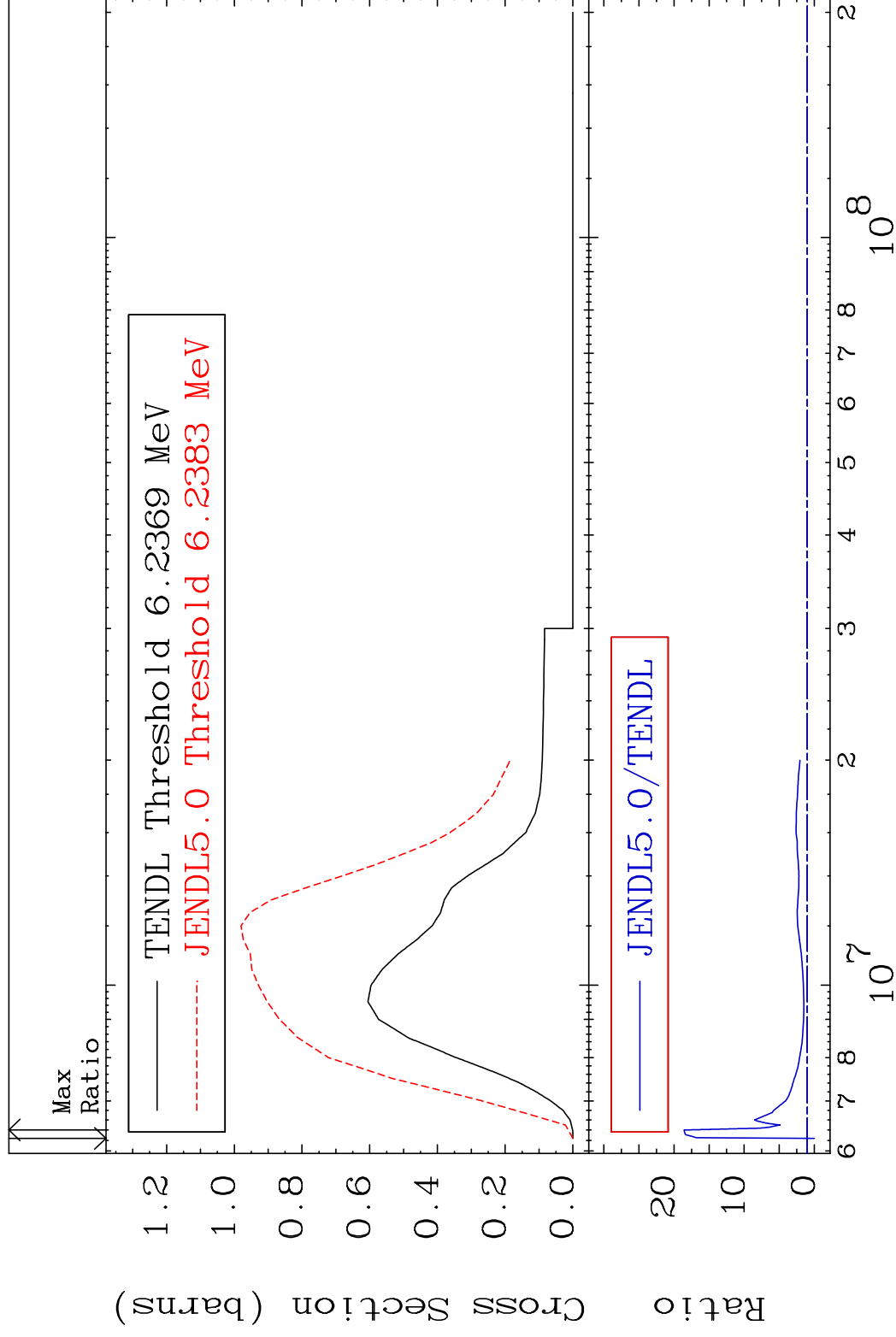


MAT 9649

$$(n, 2n)$$

96-Cm-248

Cross Section -100.0 To 1757. %



TENDL Threshold 6.2369 MeV

JENDL5.0 Threshold 6.2383 MeV

JENDL5.0/TENDL

4

Incident Energy (eV)

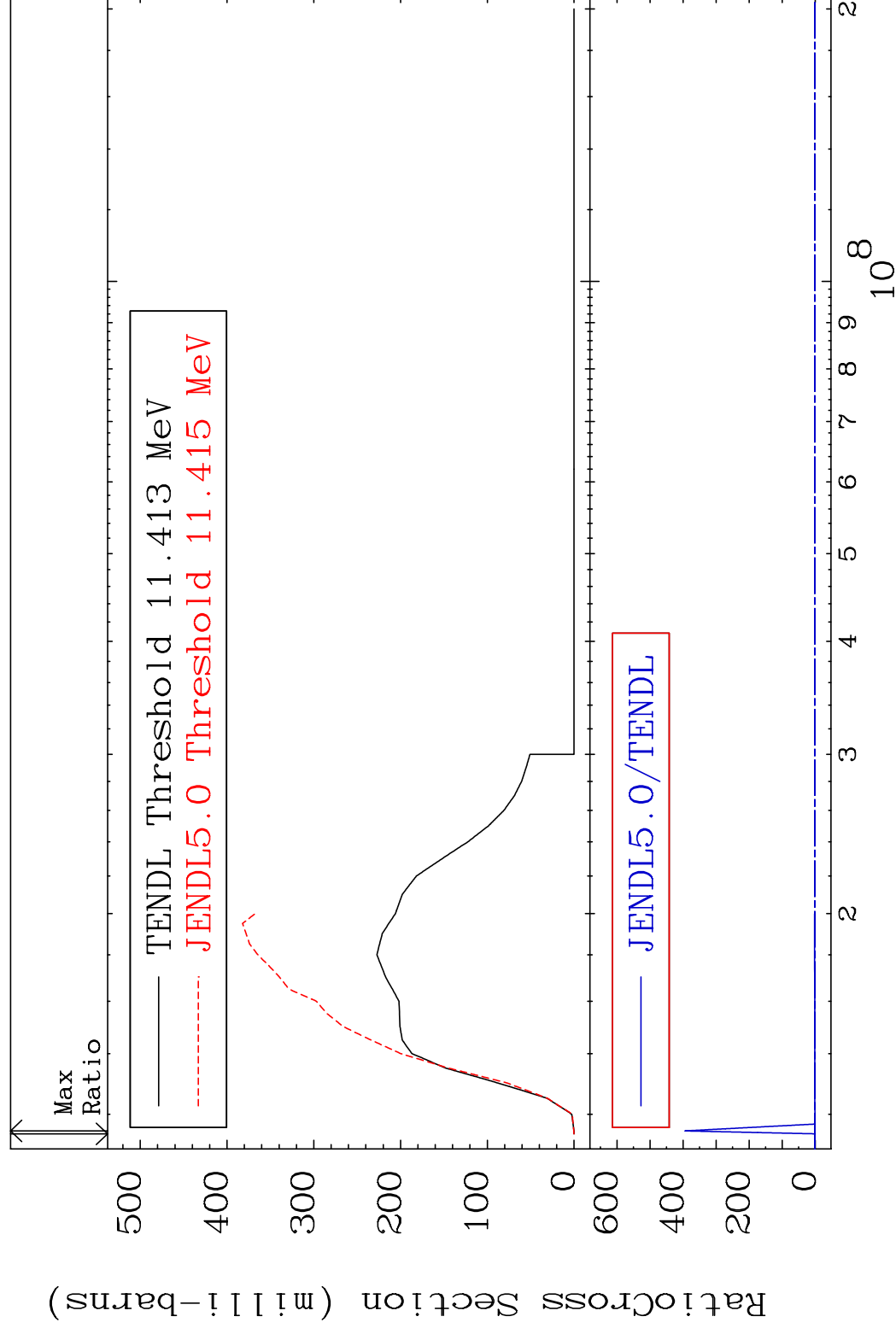
96-Cm-248

MAT 9649

$$(n, 3n)$$

96-Cm-248

Cross Section -100.0 To 9999. %

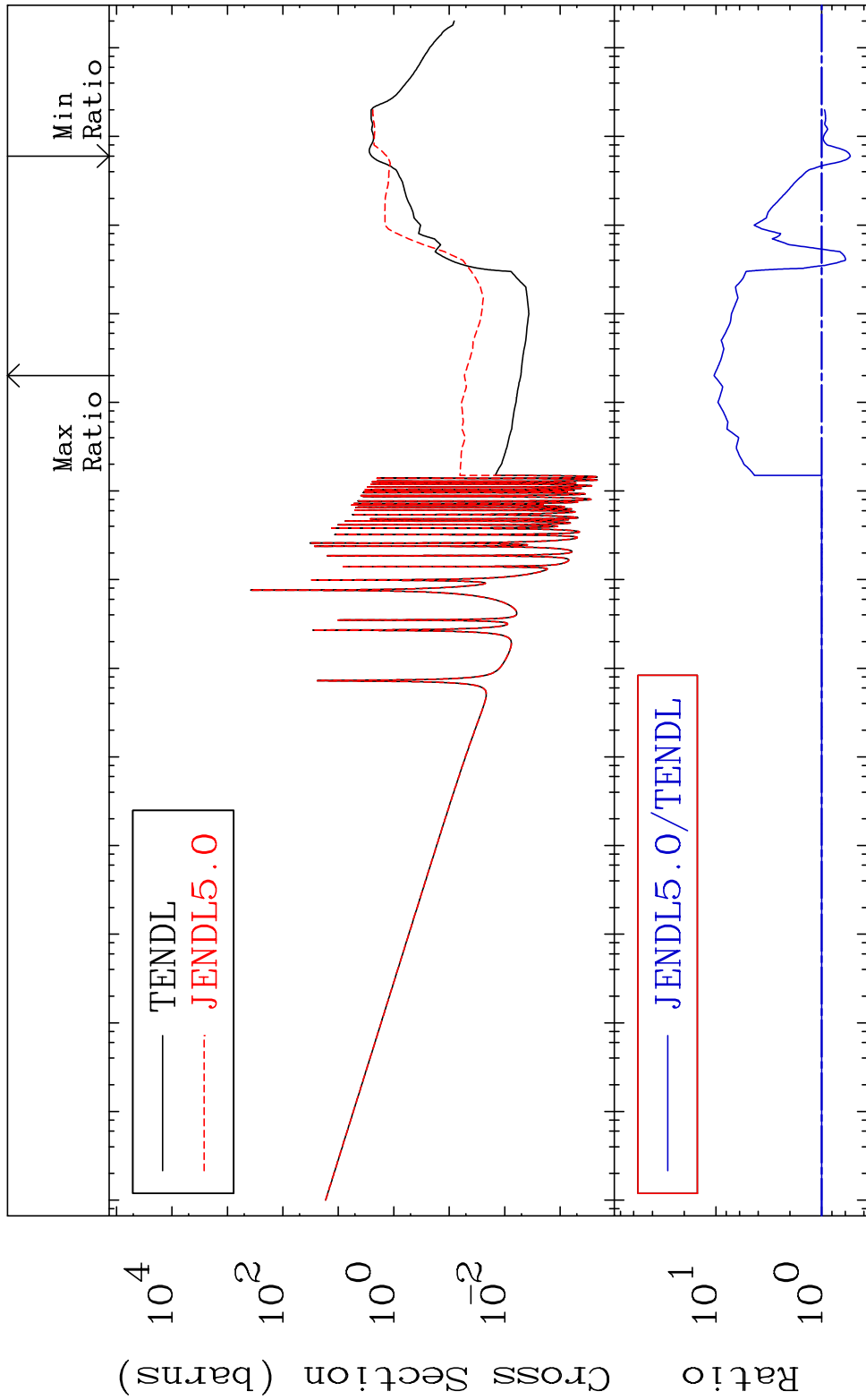


MAT 9649

Fission

96-Cm-248

Cross Section -46.21 To 944.9 %



6

Incident Energy (eV)

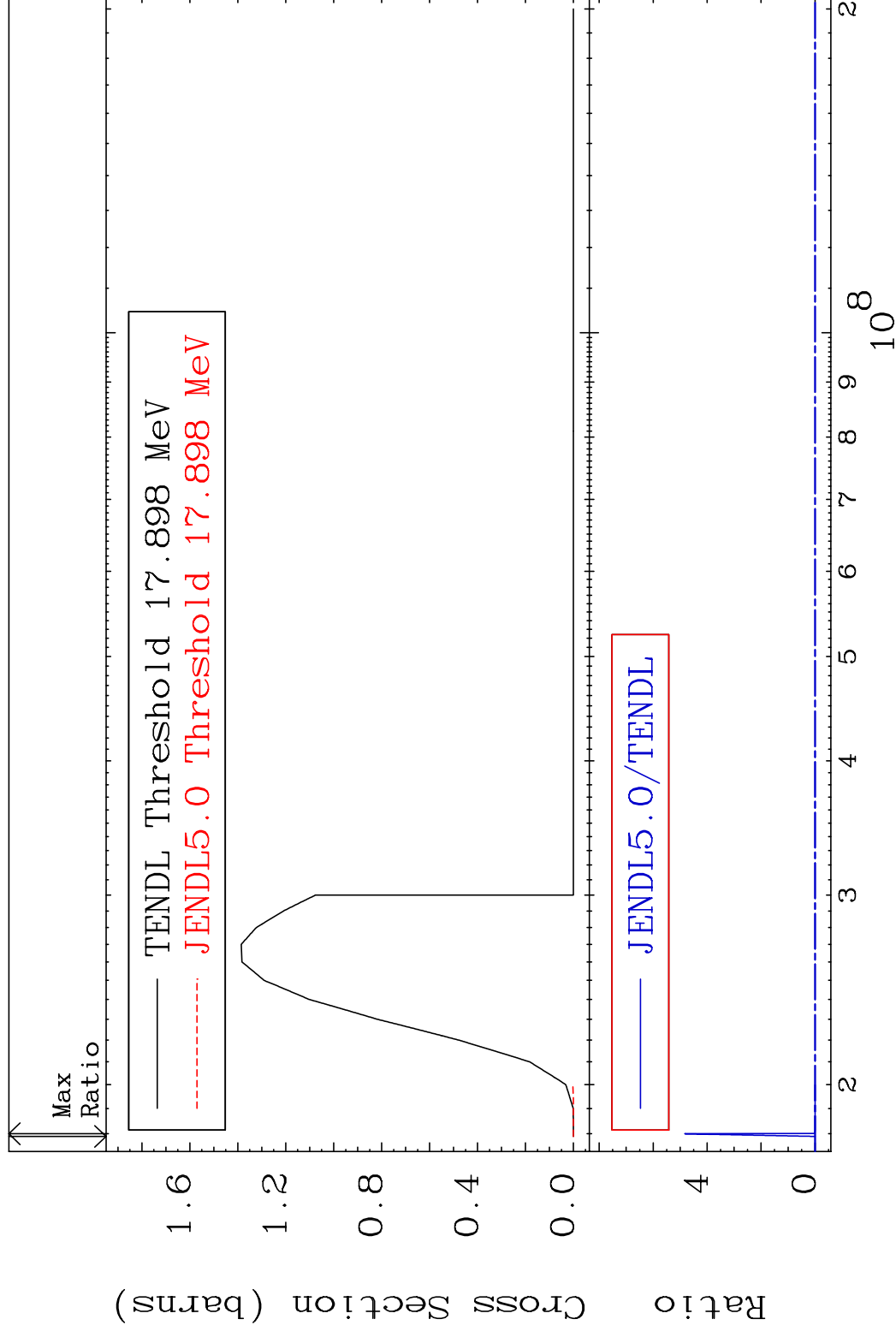
96-Cm-248

MAT 9649

$$(n, 4n)$$

96-Cm-248

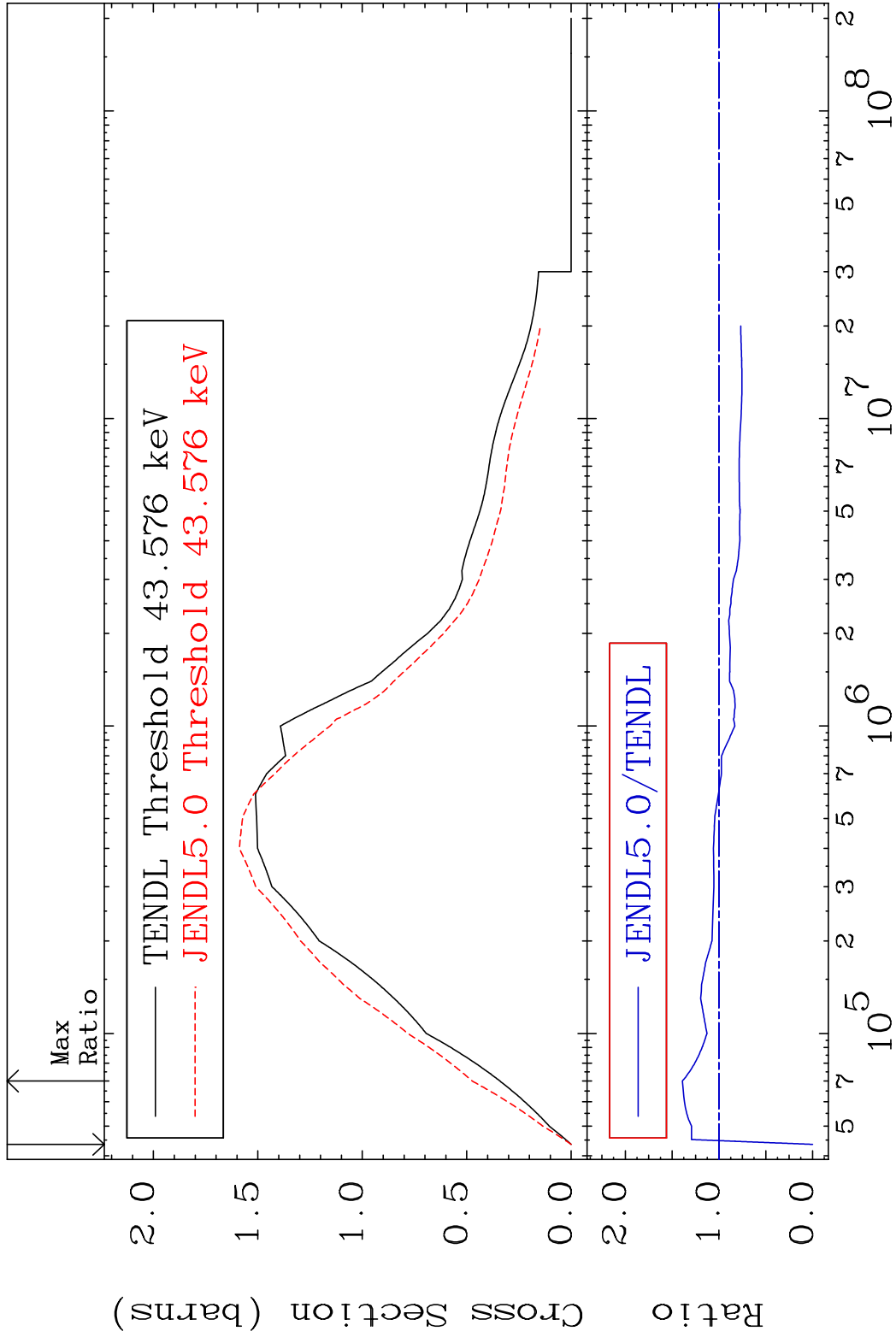
Cross Section -100.0 To 9999. %

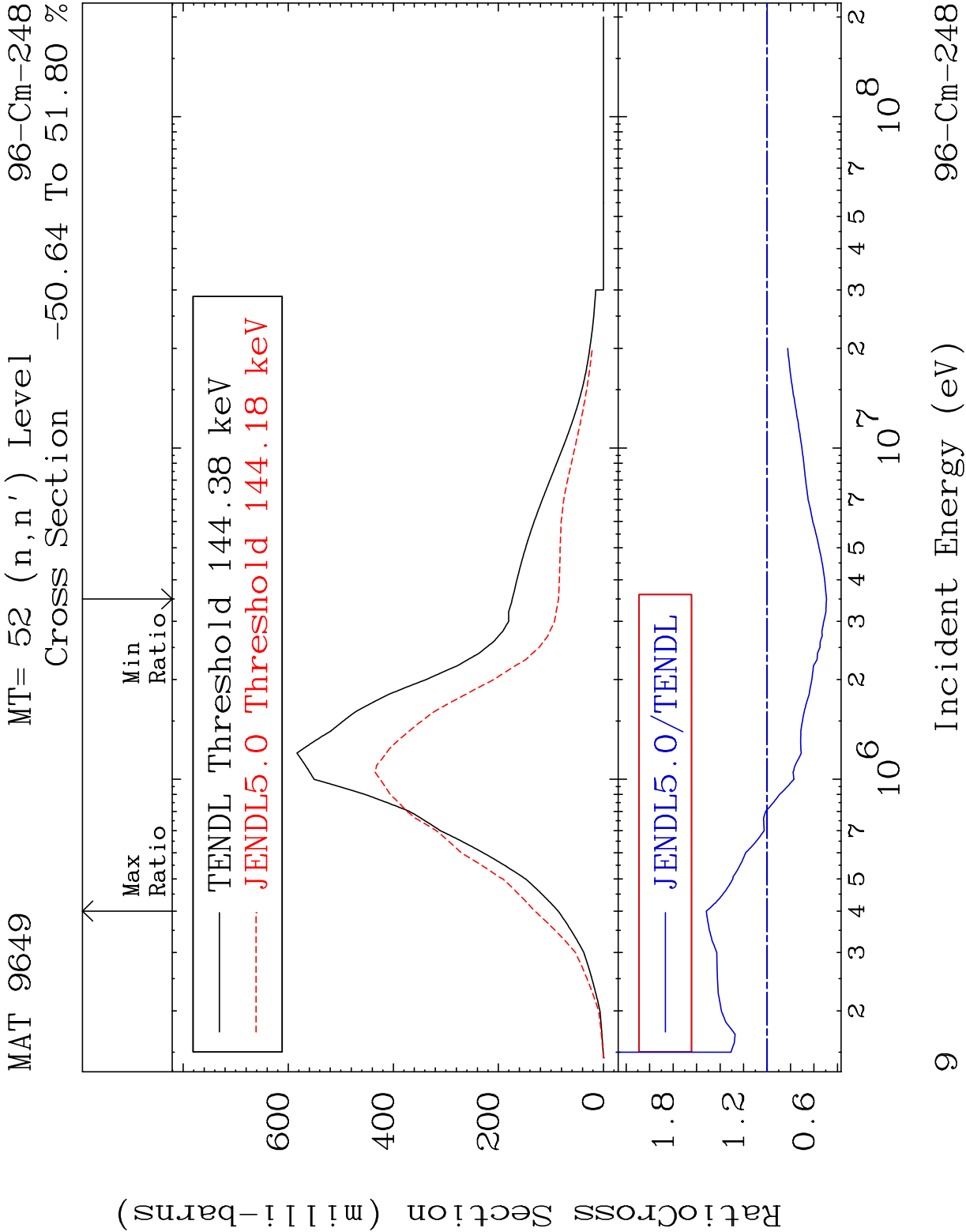
 λ

Incident Energy (eV)

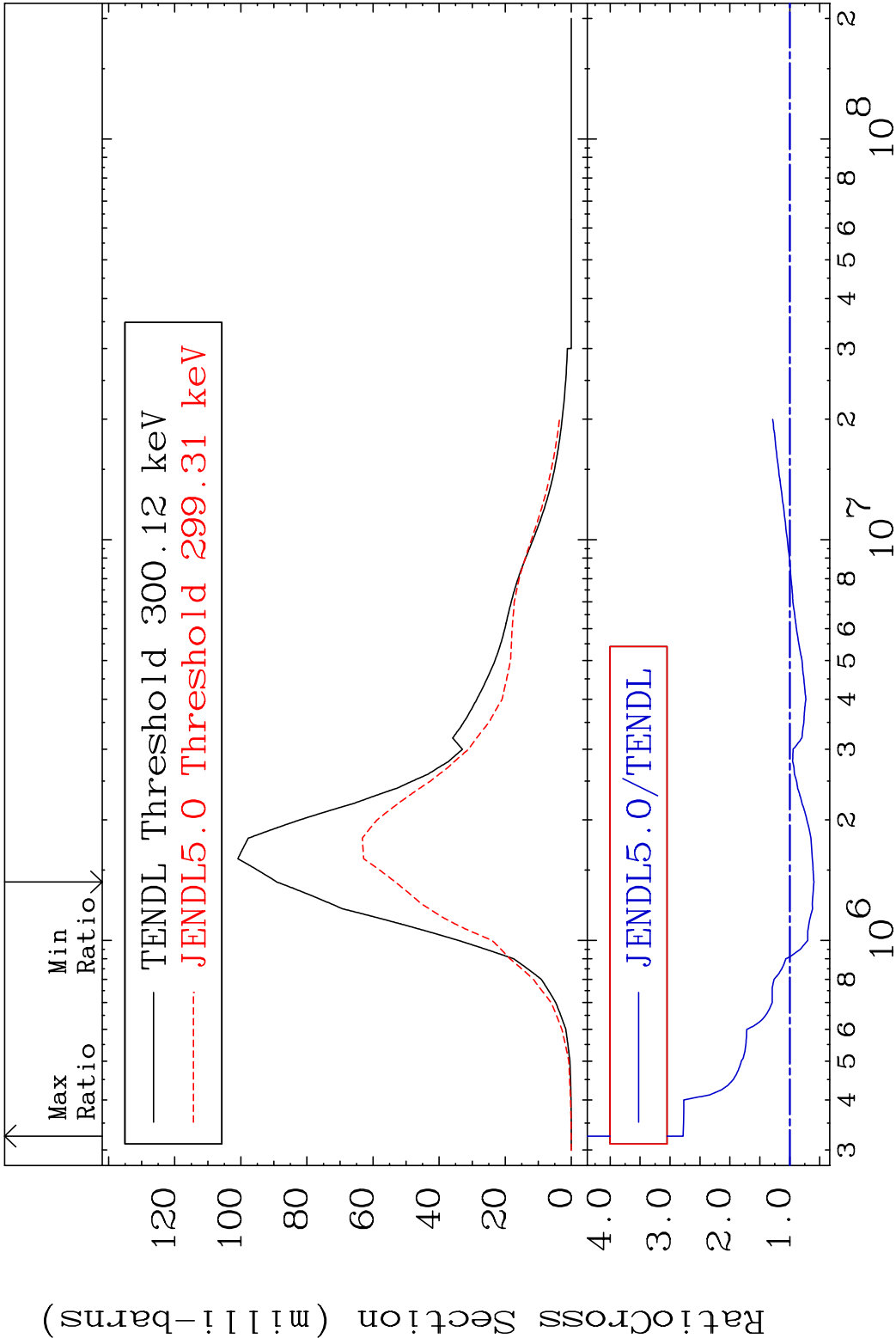
96-Cm-248

MAT 9649 MT= 51 (n,n') Level 96-Cm-248
Cross Section -100.0 To 39.06 %





MAT 9649 MT= 53 (n,n') Level 96-Cm-248
Cross Section -40.21 To 178.2 %



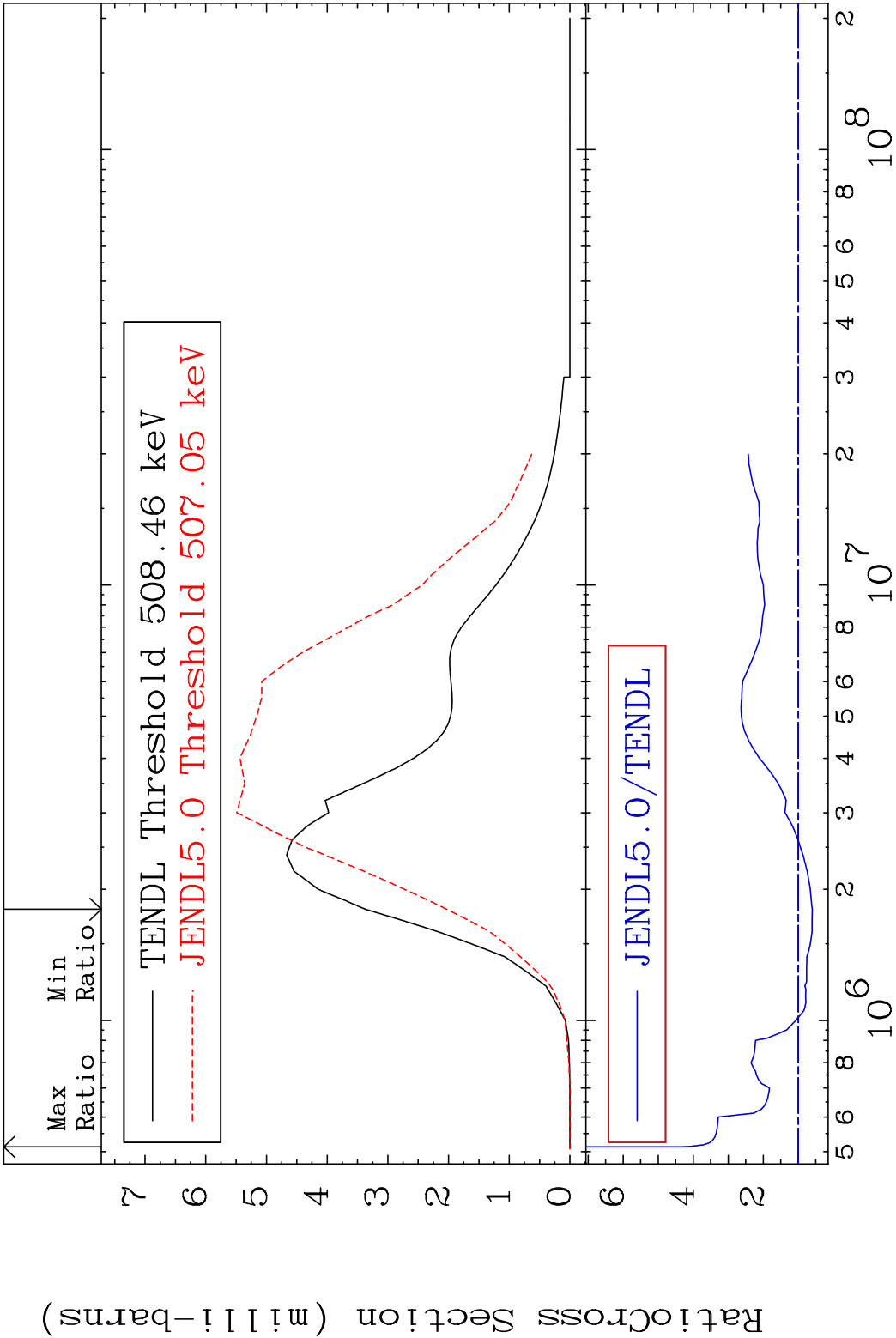
MAT 9649

MT= 54 (n,n') Level

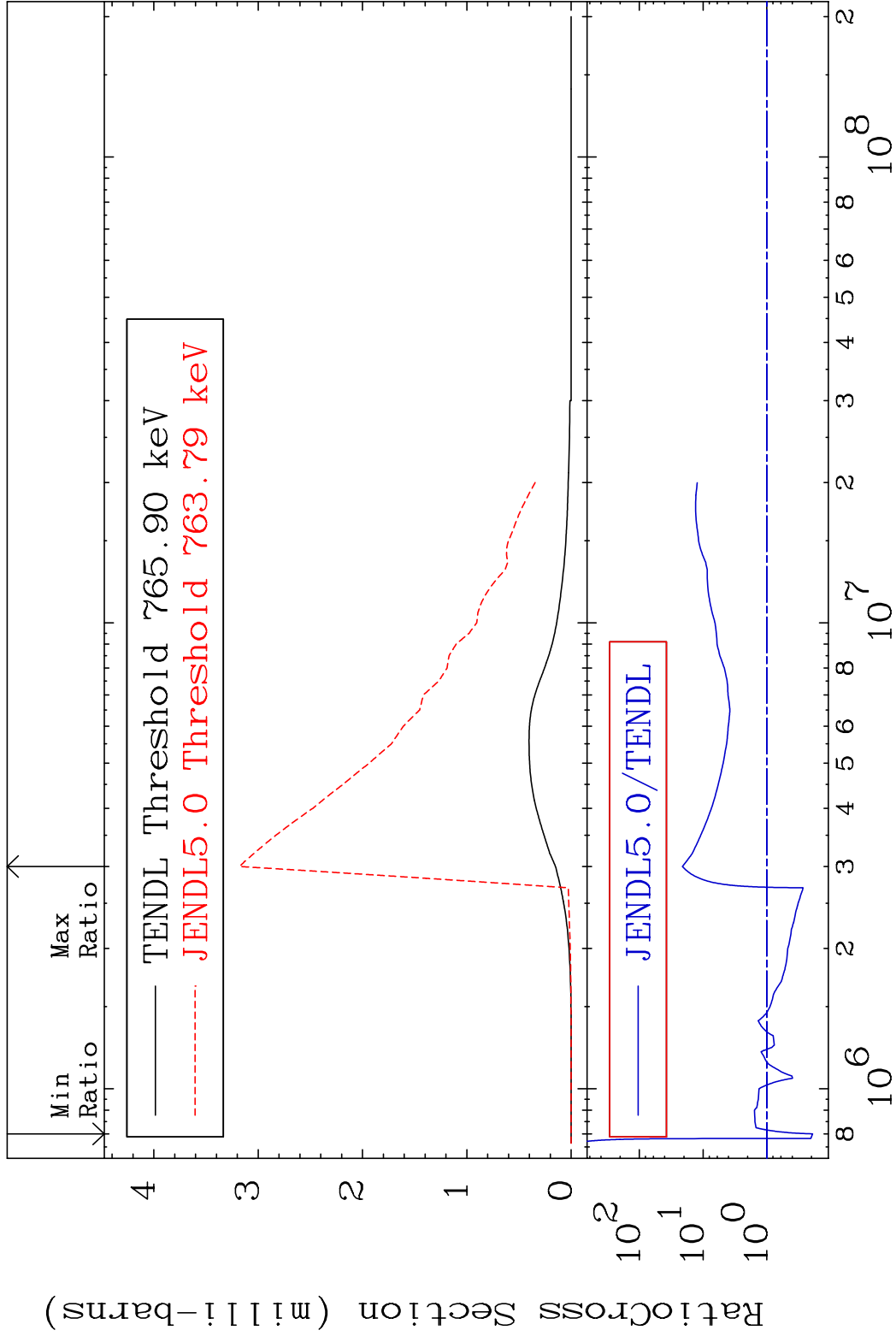
96-Cm-248

Cross Section

-39.81 To 333.3 %

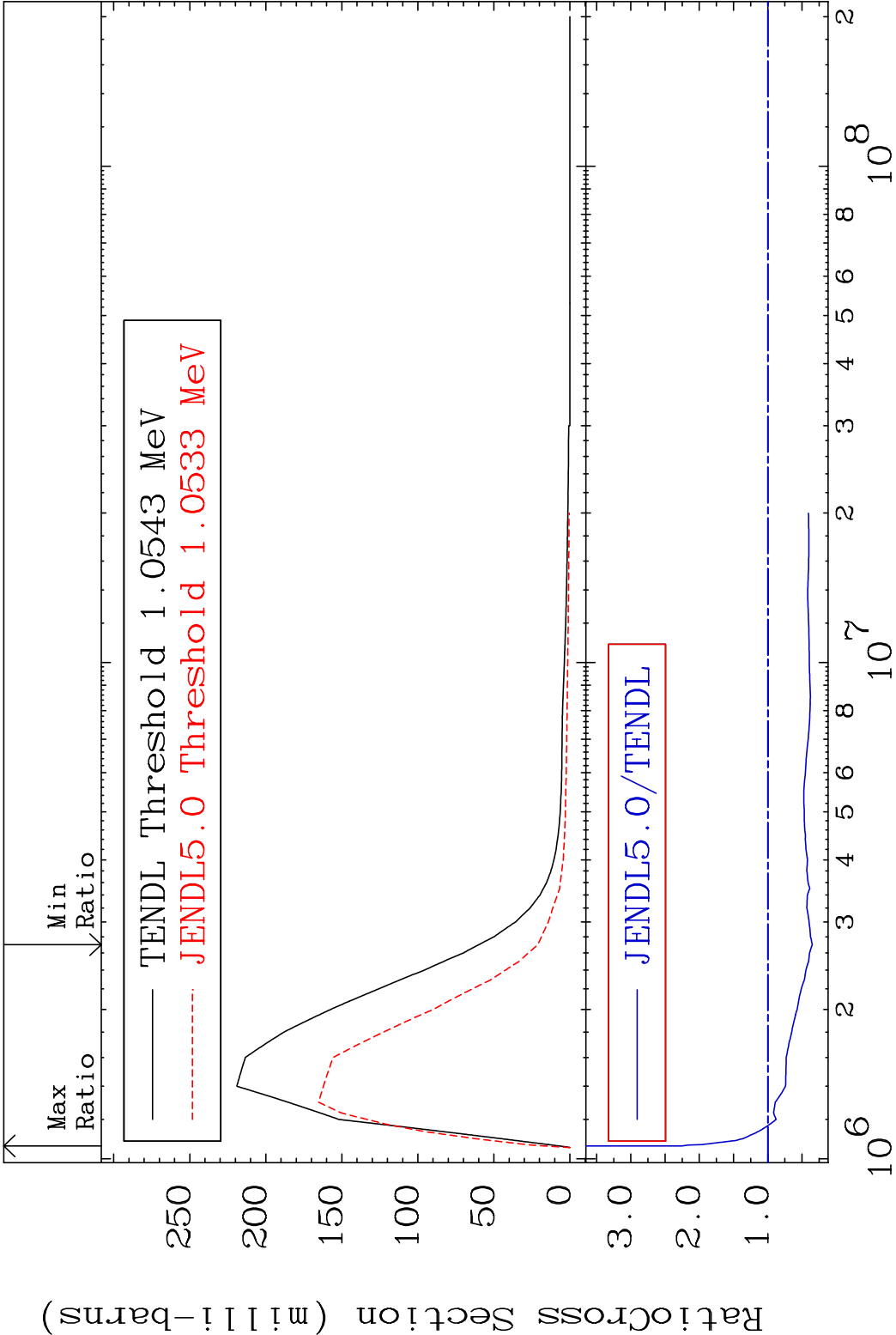


MAT 9649 MT= 55 (n,n') Level 96-Cm-248
Cross Section -80.81 To 2015. %

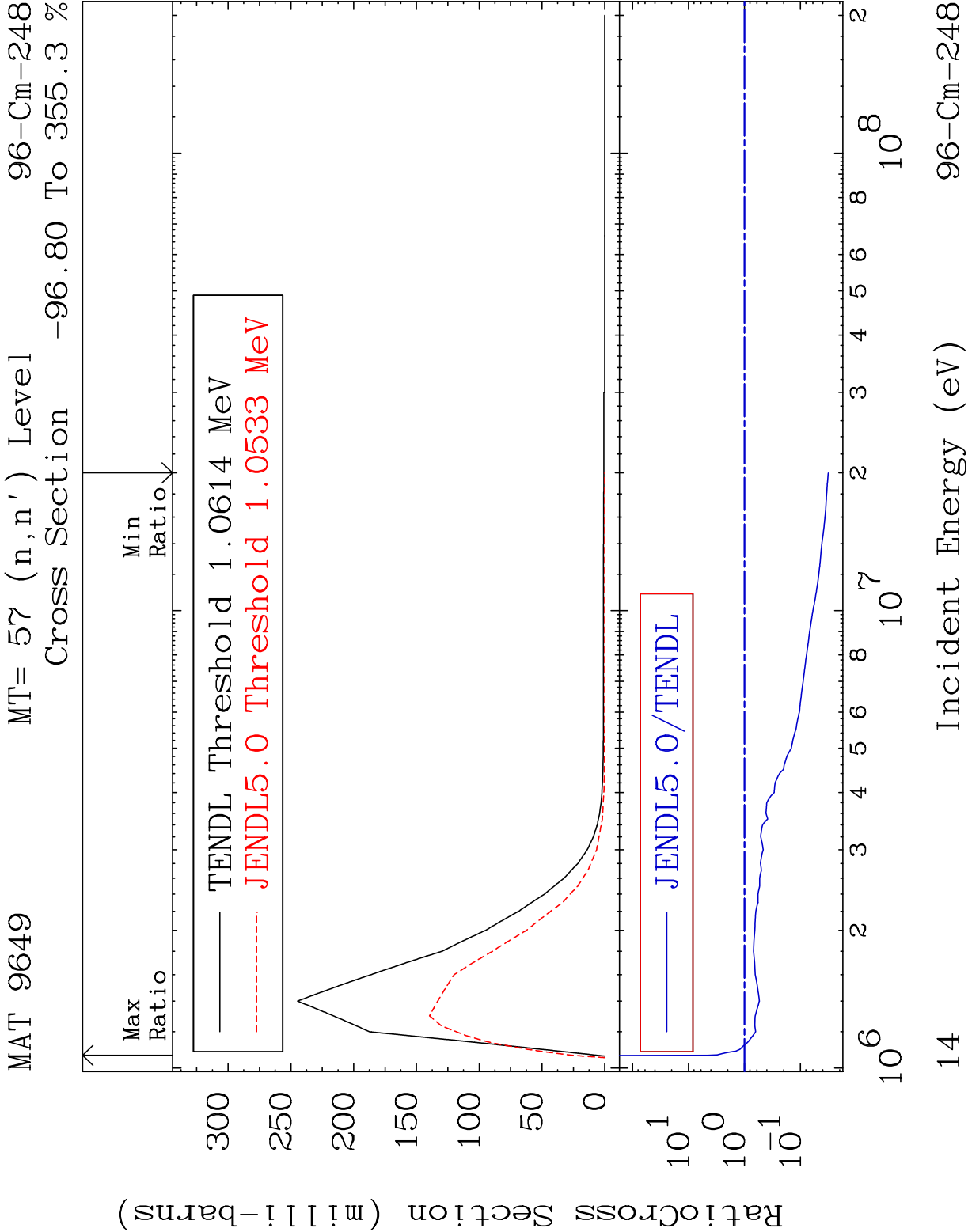


12 Incident Energy (eV) 96-Cm-248

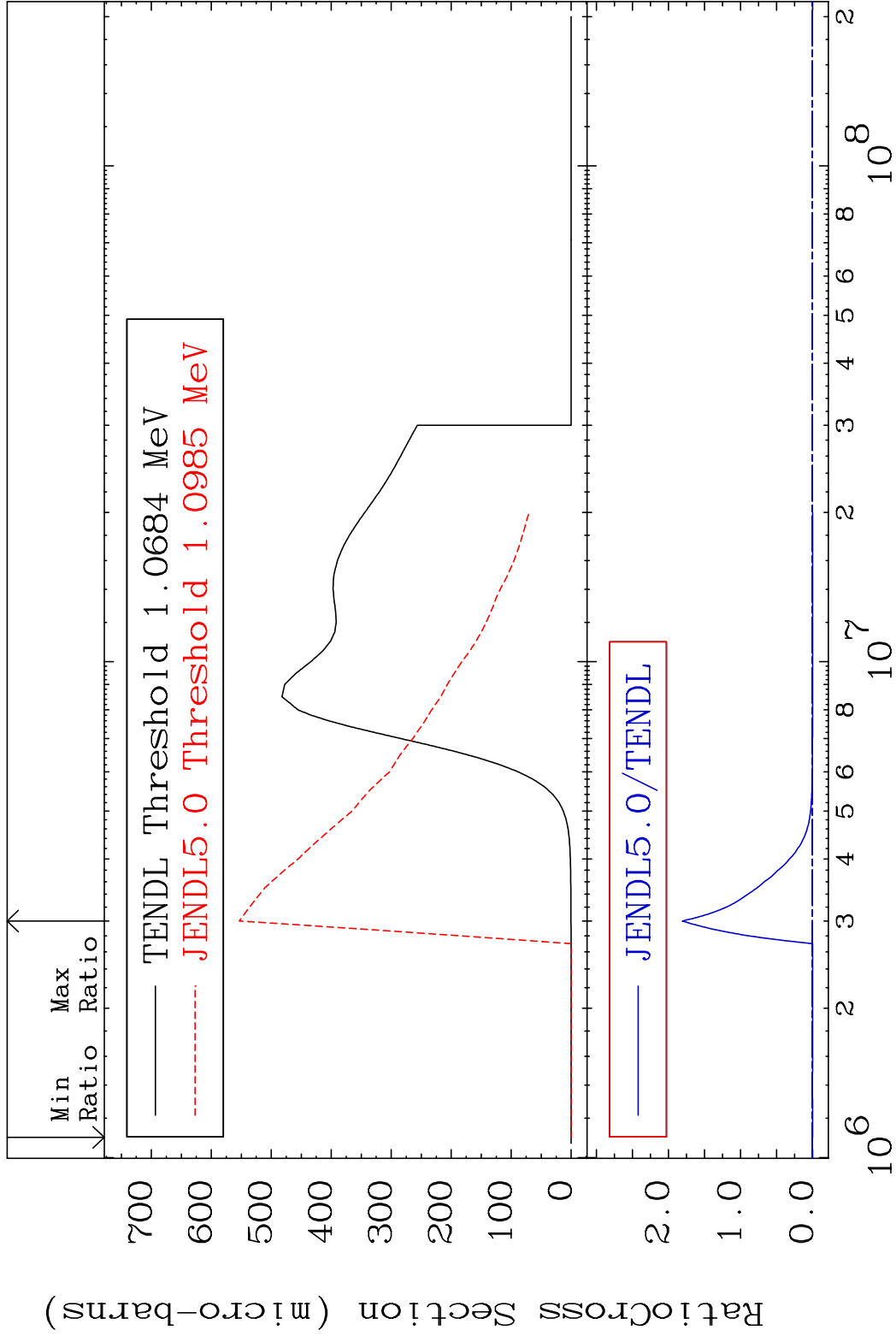
MAT 9649 MT= 56 (n,n') Level 96-Cm-248
Cross Section -64.92 To 125.9 %



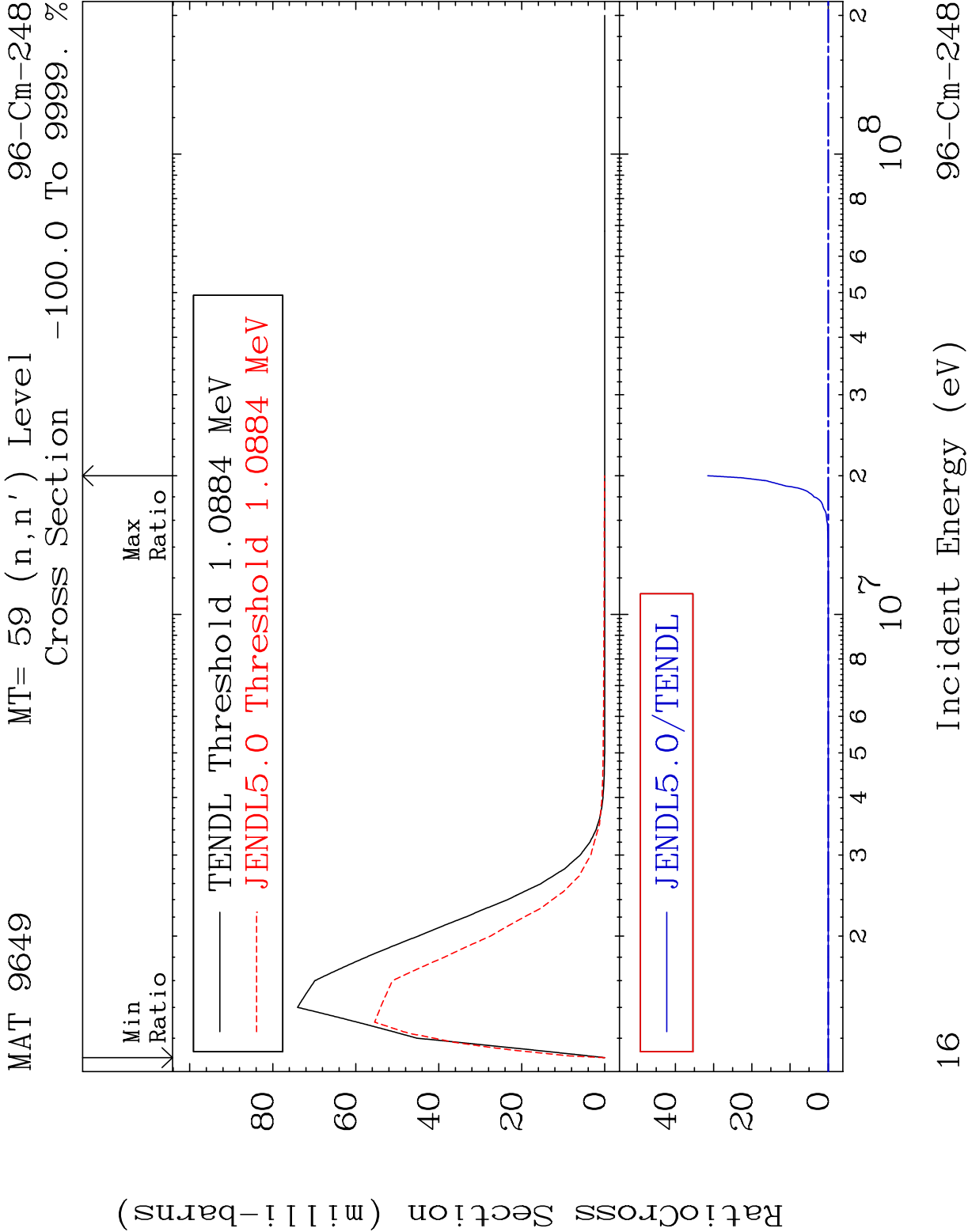
13 Incident Energy (eV) 96-Cm-248

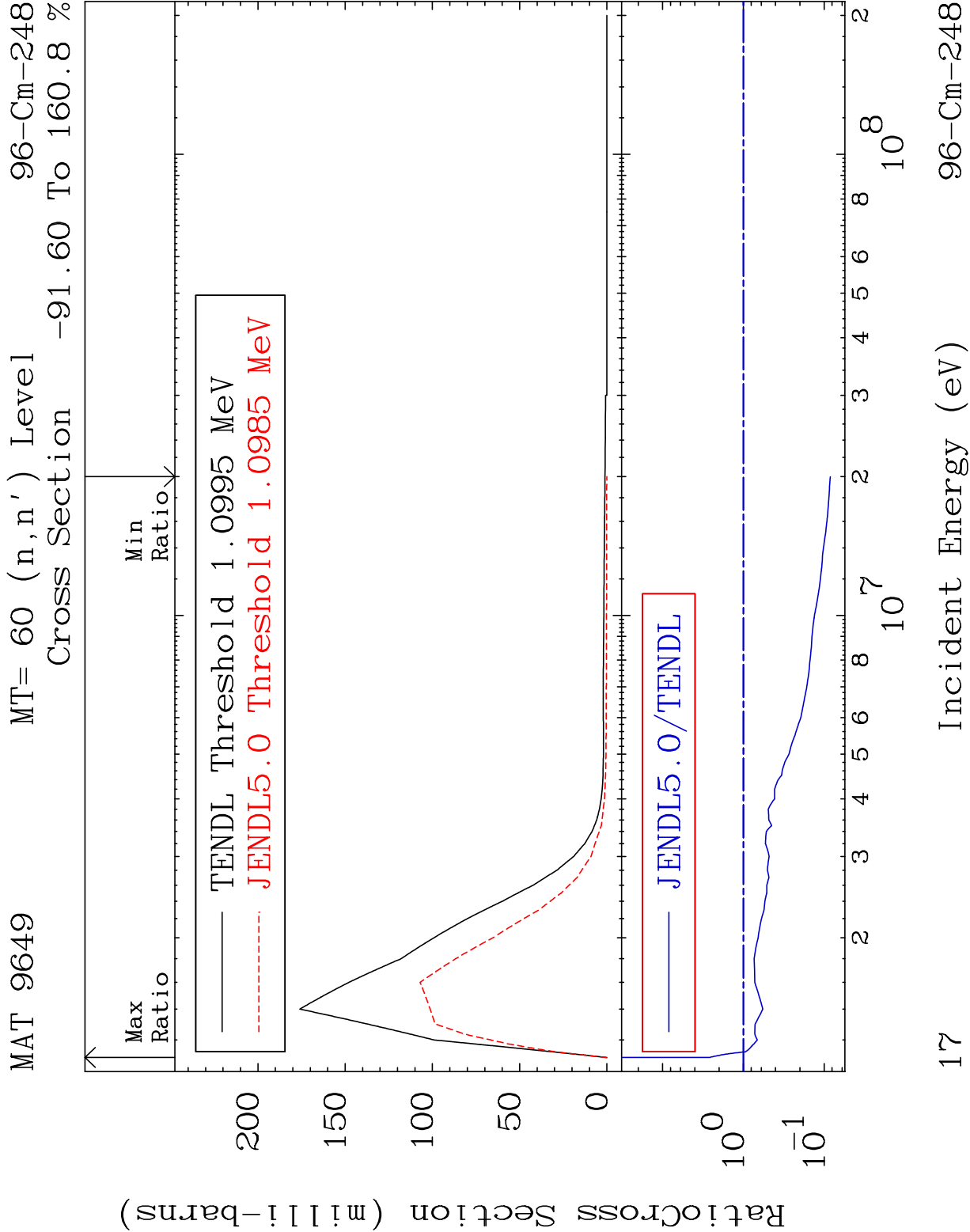


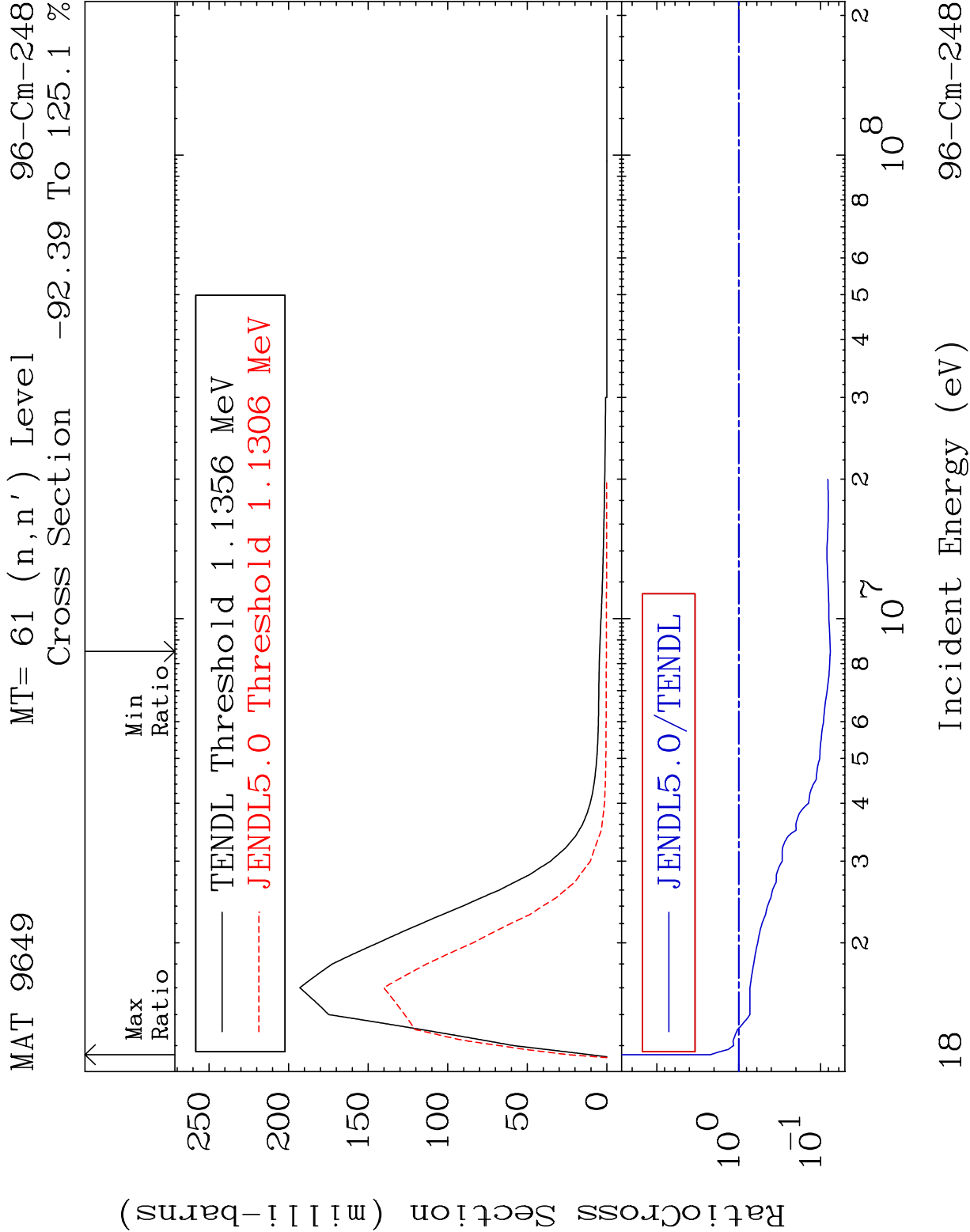
MAT 9649 MT= 58 (n,n') Level 96-Cm-248
Cross Section -100.0 To 9999. %



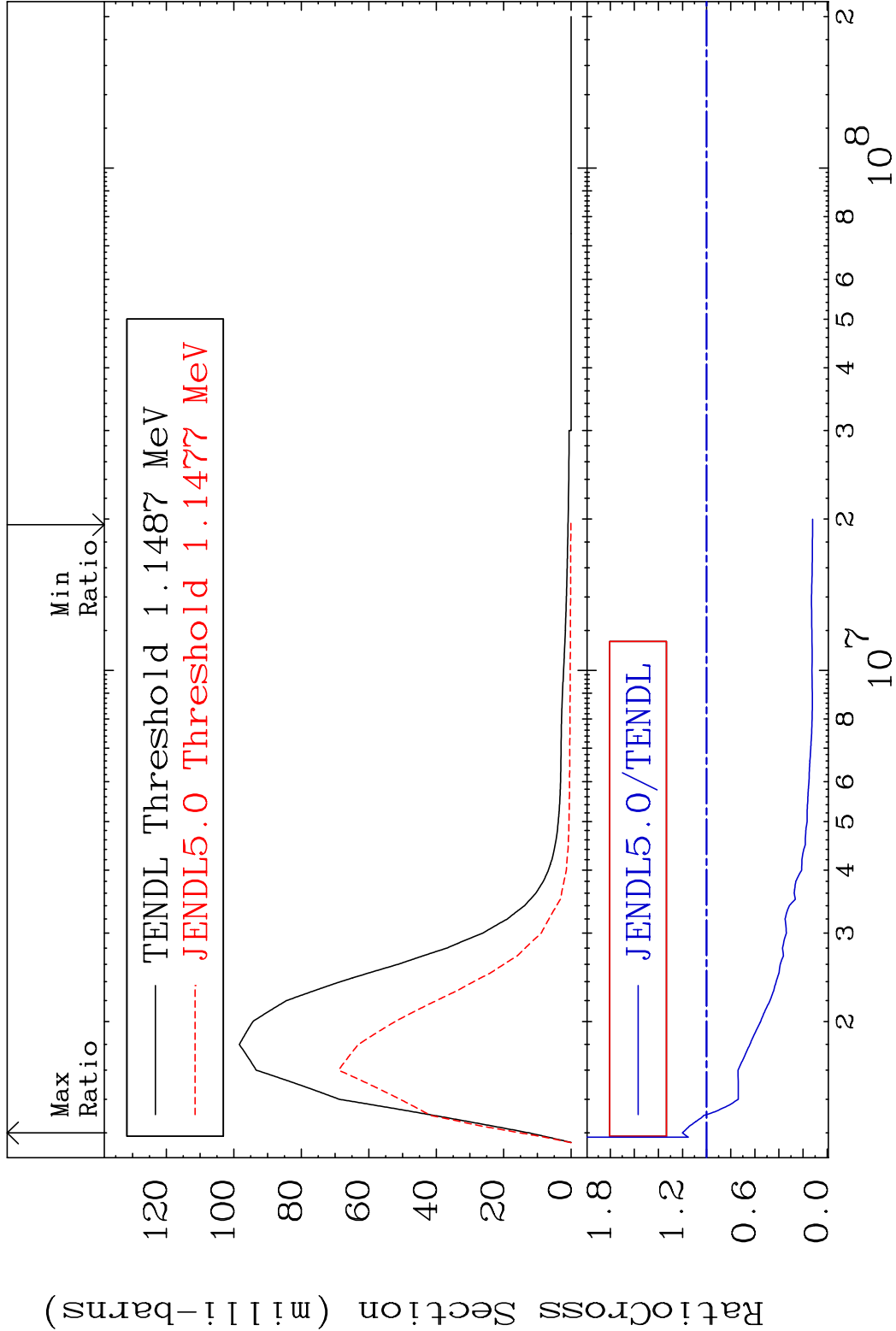
15 Incident Energy (eV) 96-Cm-248



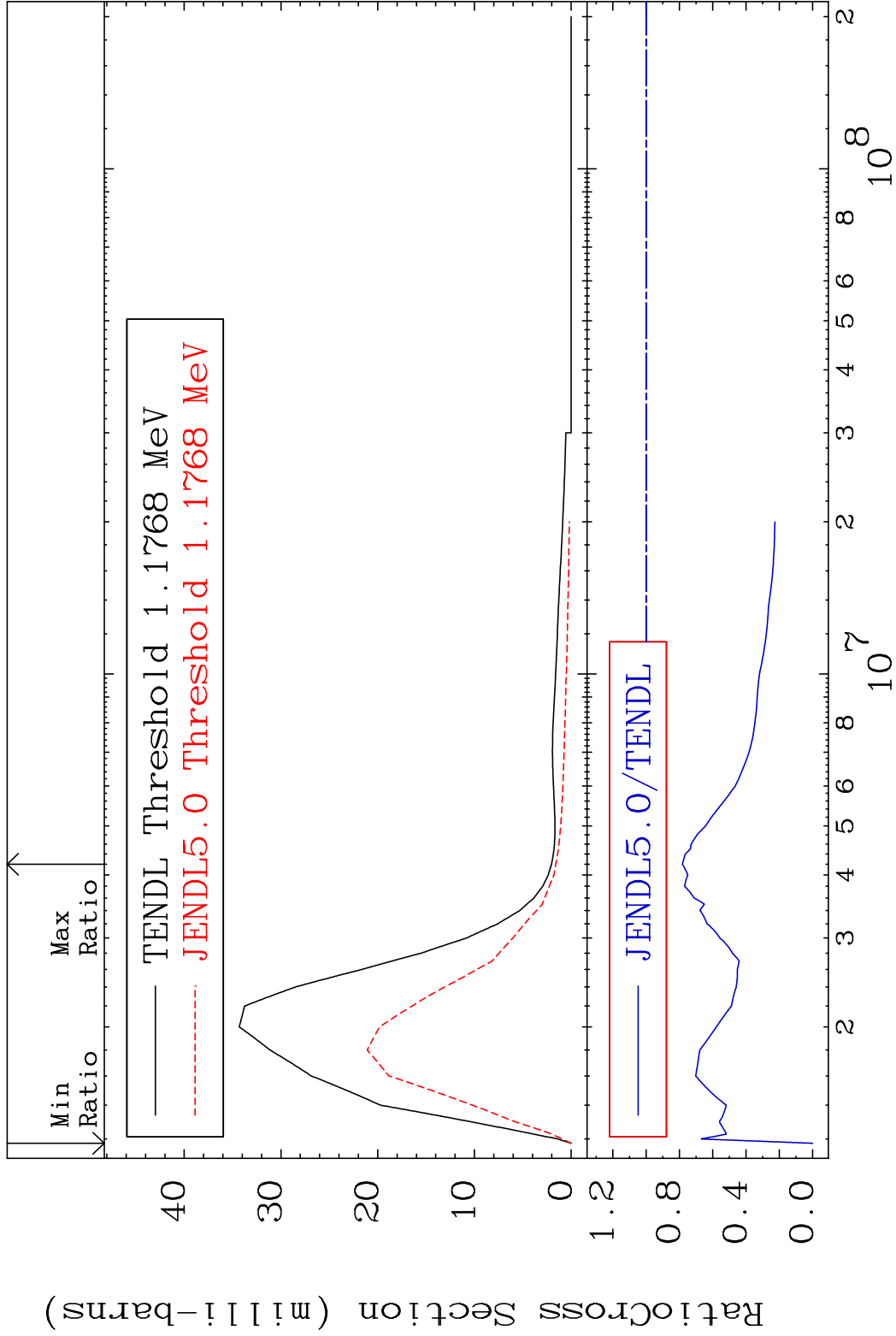




RatioCross Section (milli-barns)



MAT 9649 MT= 63 (n,n') Level 96-Cm-248
Cross Section -100.0 To -21.80%



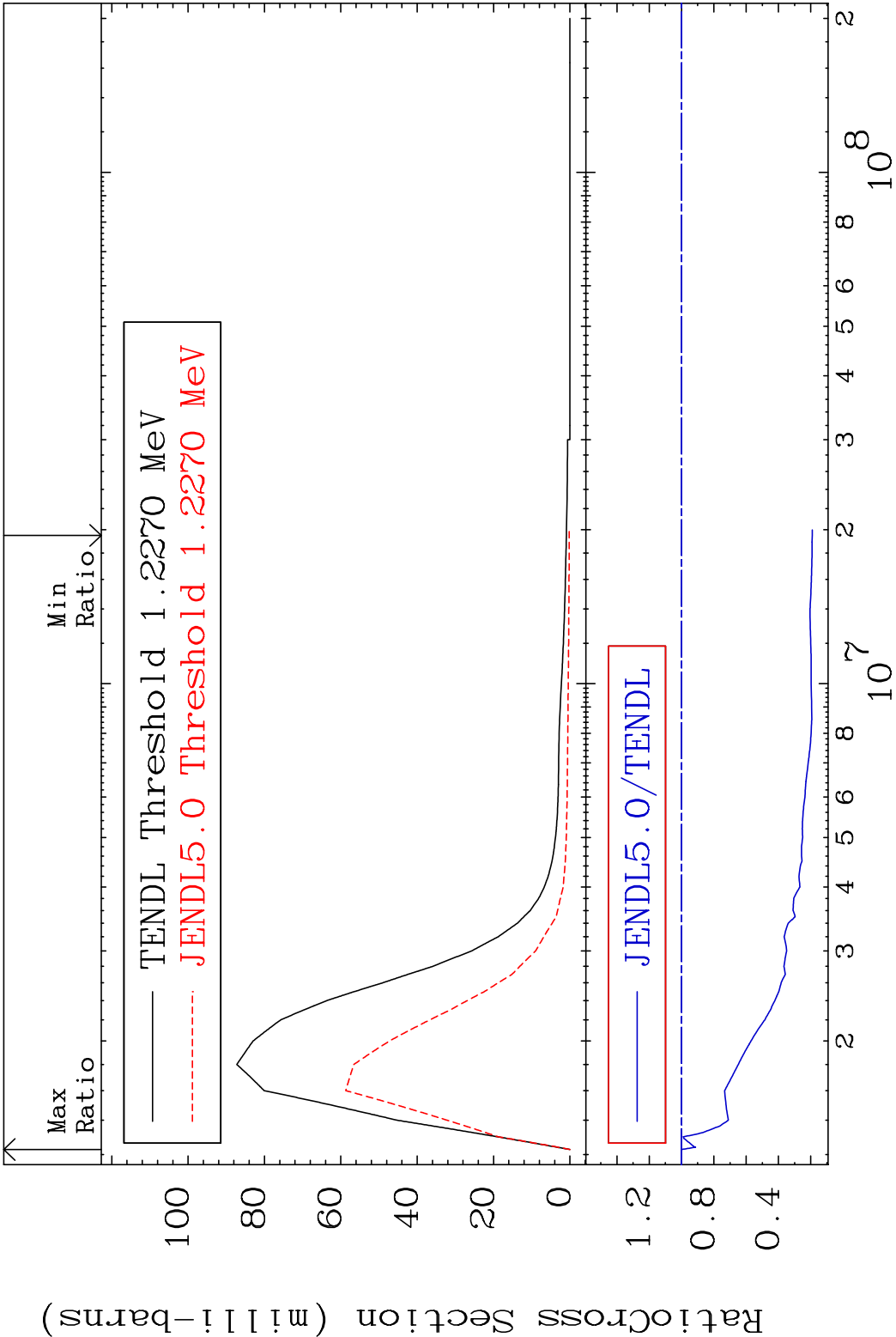
MAT 9649

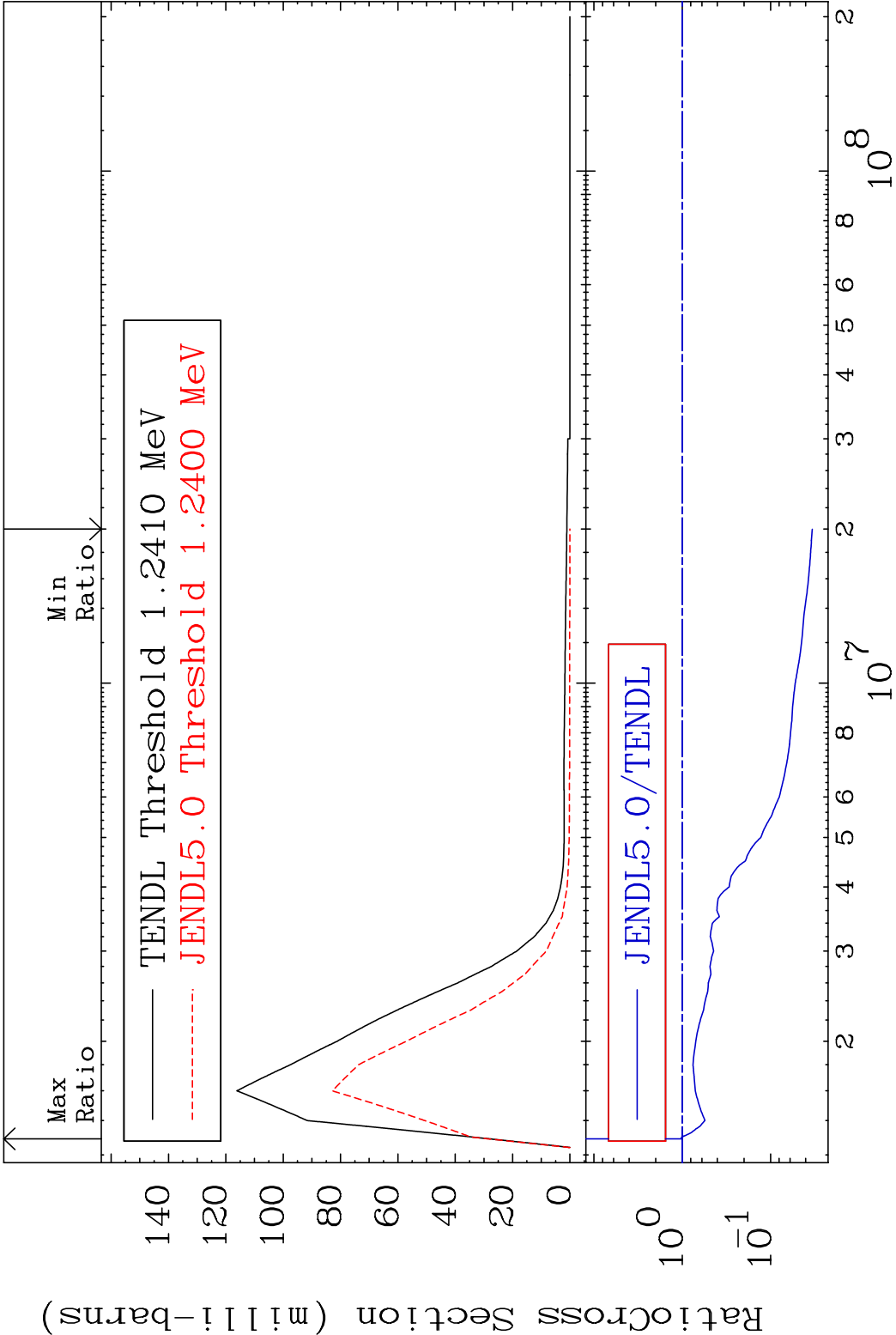
MT= 64 (n,n') Level

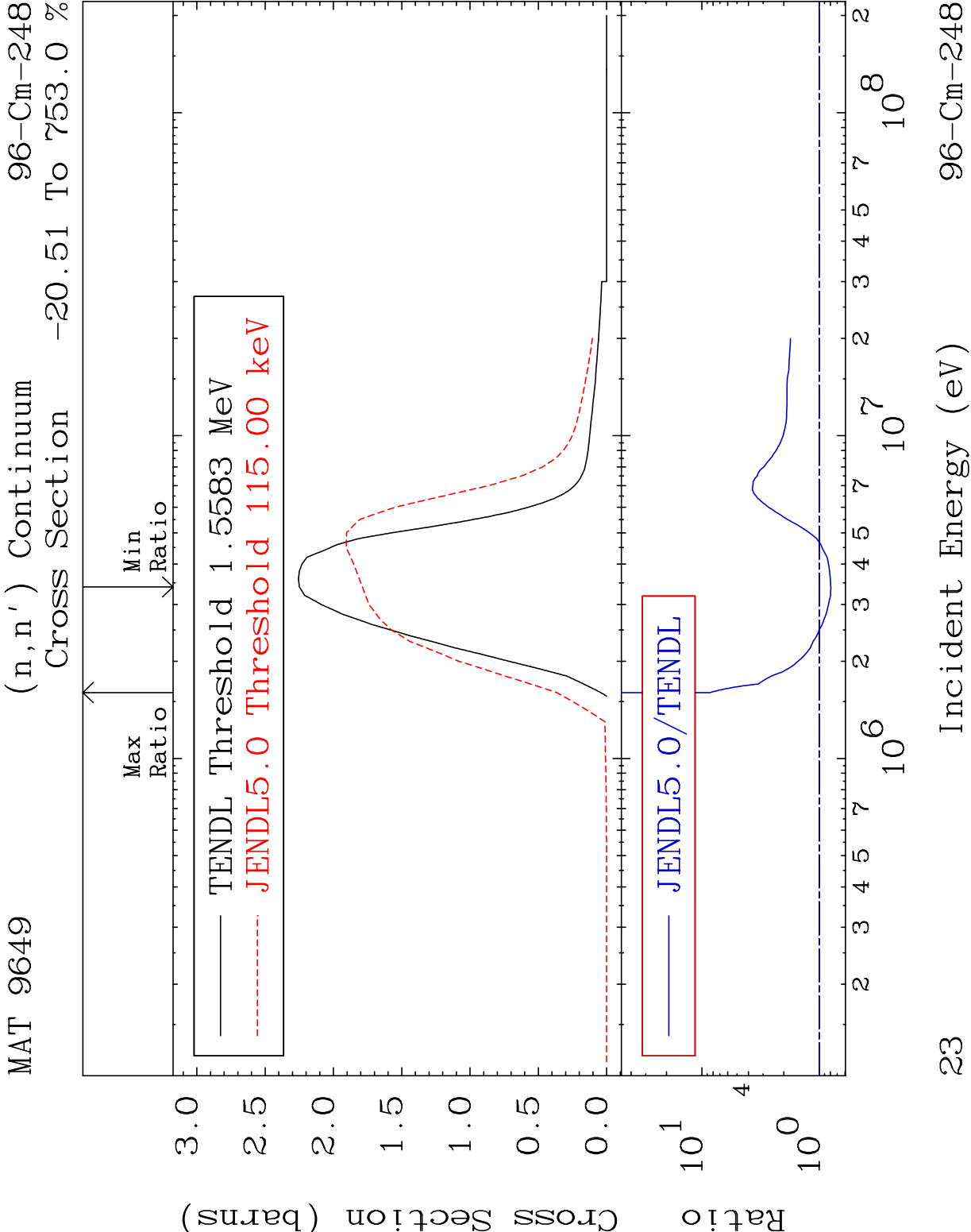
96-Cm-248

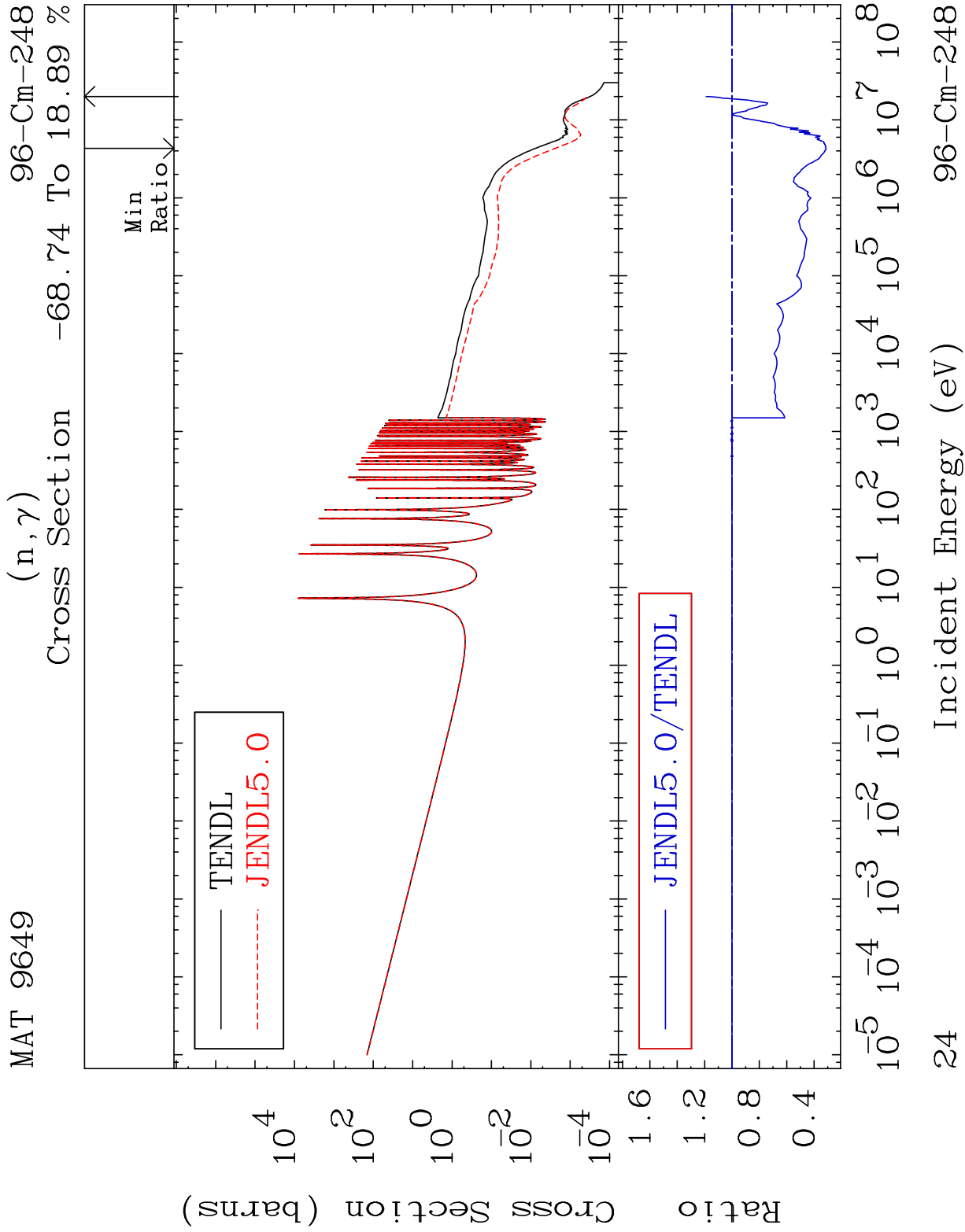
Cross Section

-80.91 To 0.000 %

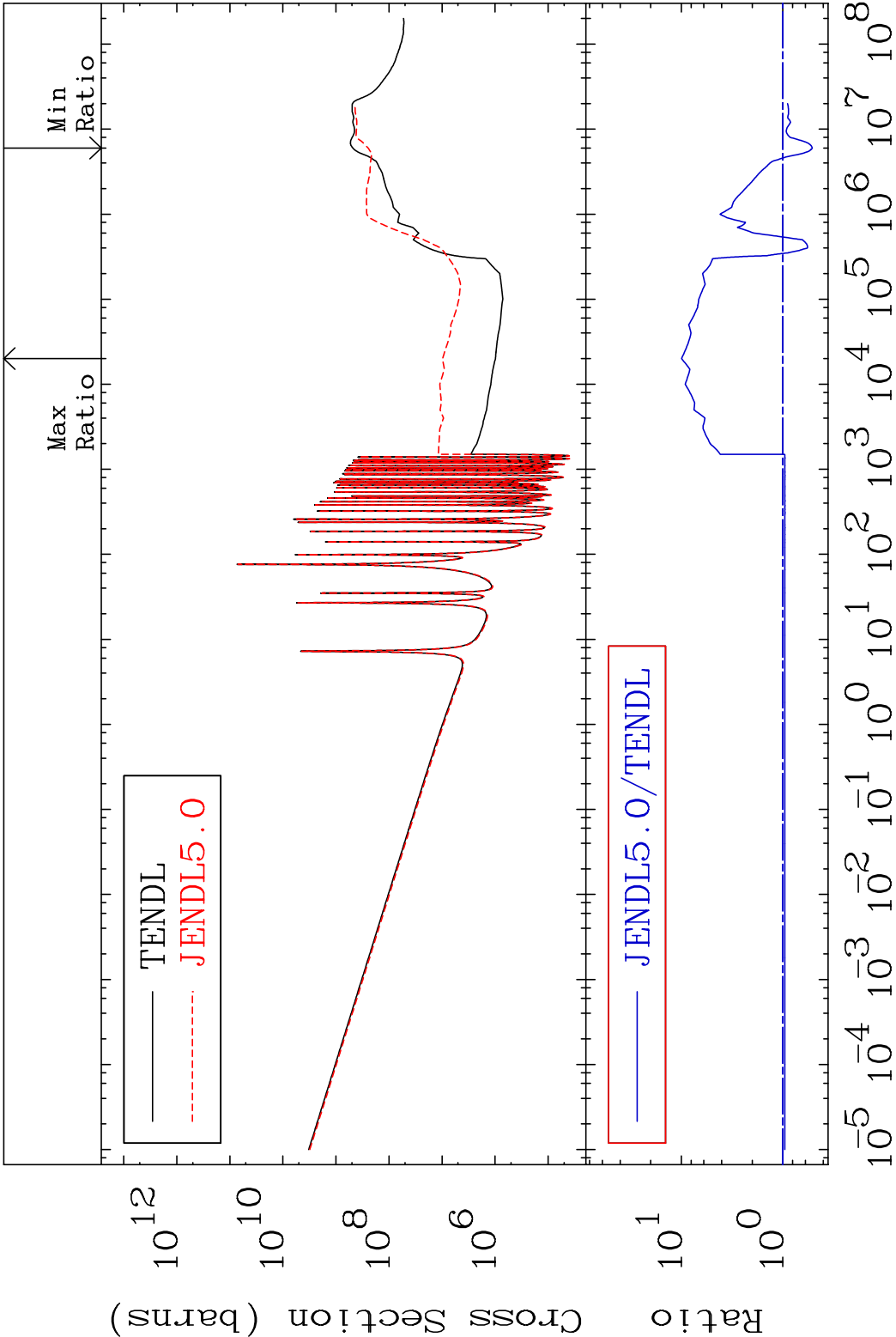








MAT 9649 Kerma total (eV-barns) 96-Cm-248
Cross Section -48.63 To 895.1 %

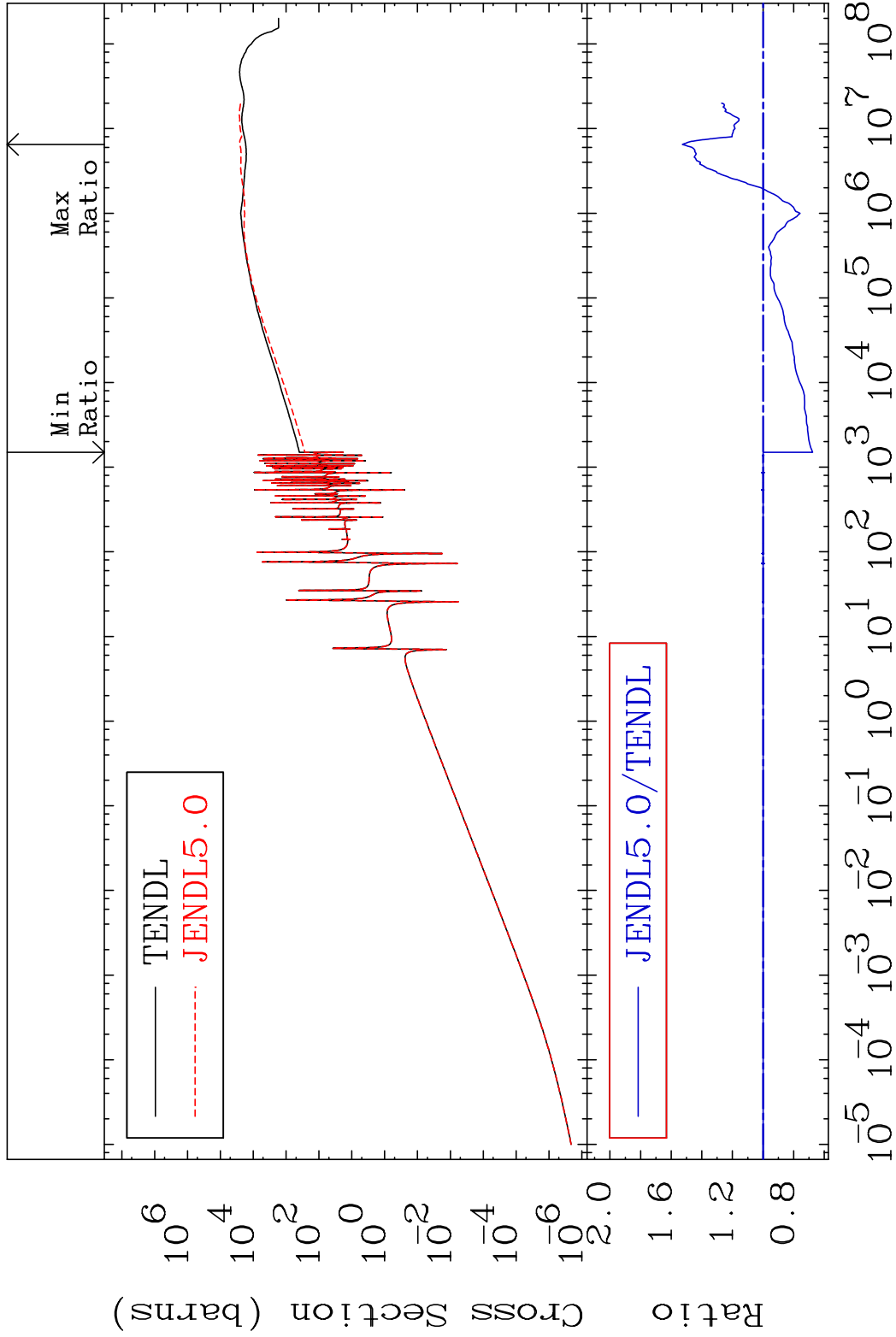


25 Incident Energy (eV) 96-Cm-248

MAT 9649

Kerma elastic
Cross Section

96-Cm-248
-32.34 To 52.71 %

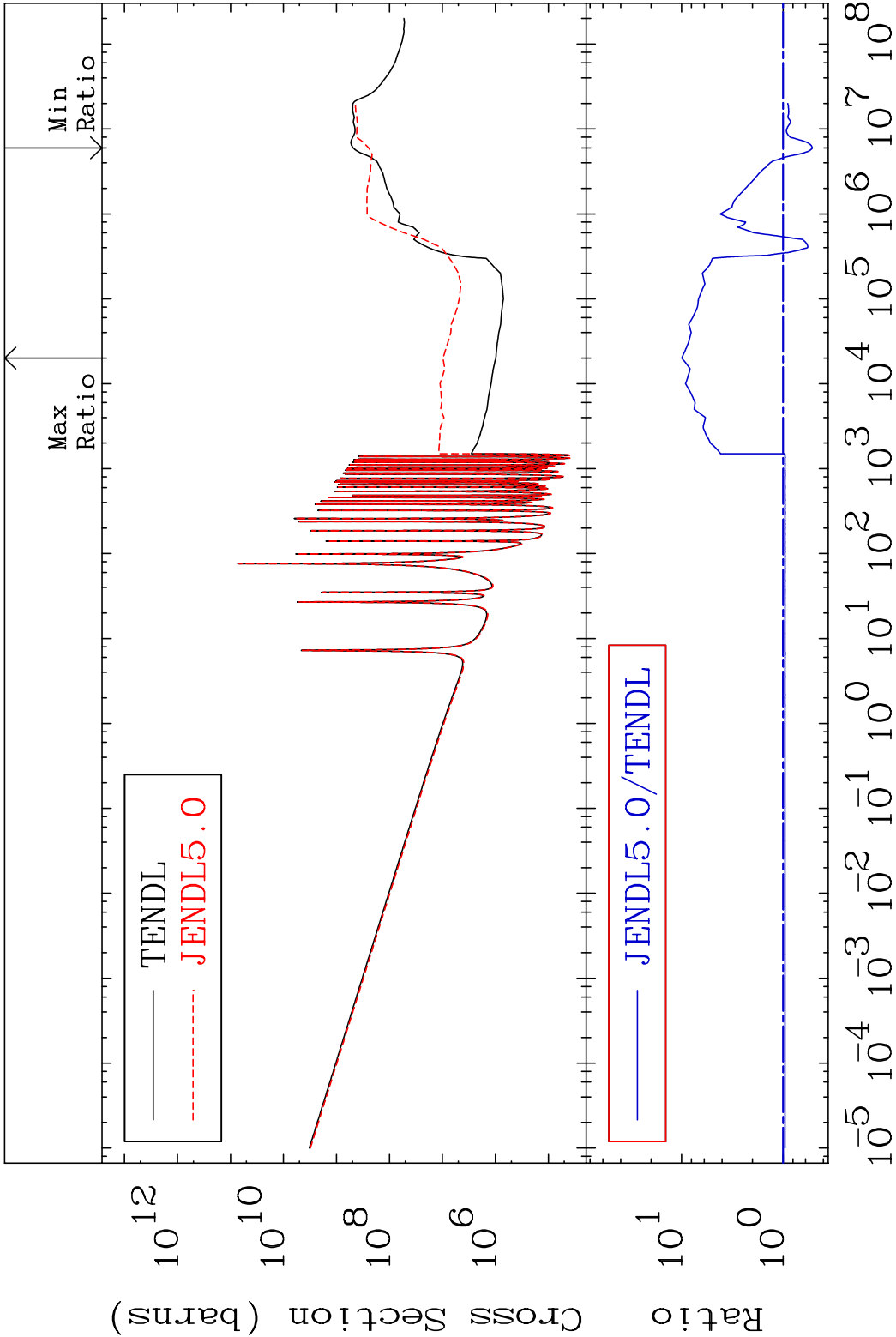


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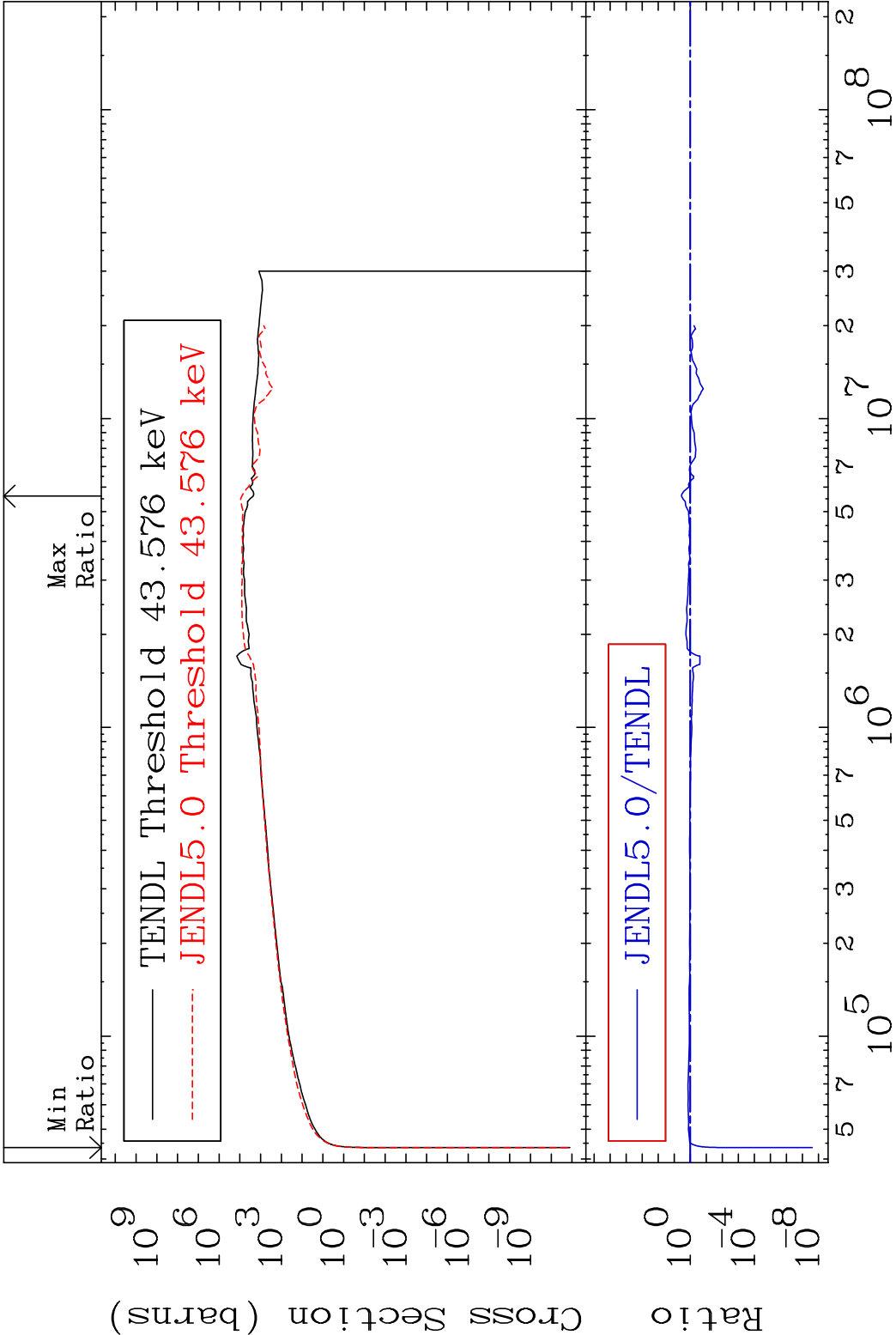
Incident Energy (eV)

96-Cm-248

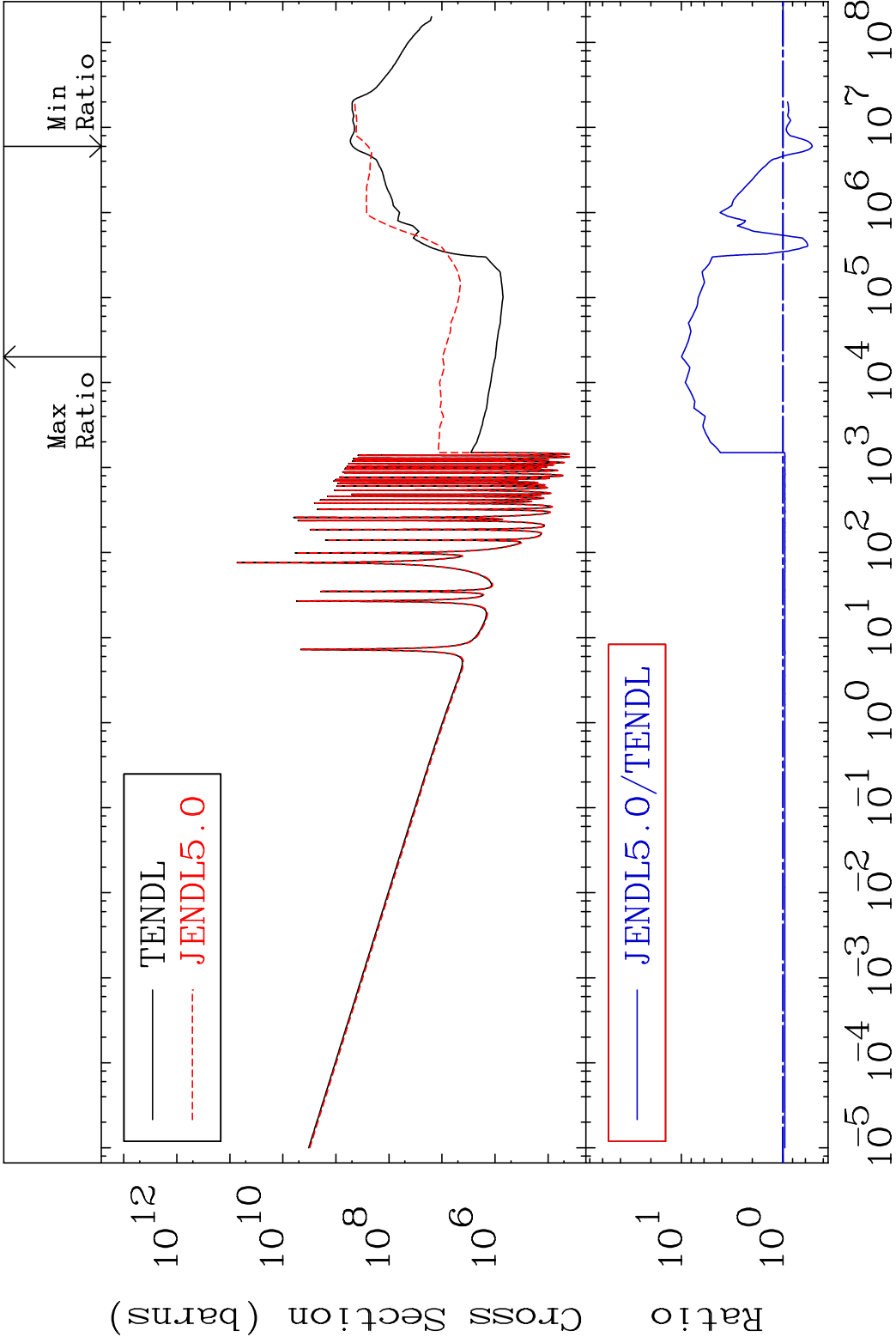
MAT 9649 Kerma non-elastic (all but mt2) 96-Cm-248
Cross Section -48.63 To 897.7 %



27 Incident Energy (eV) 96-Cm-248

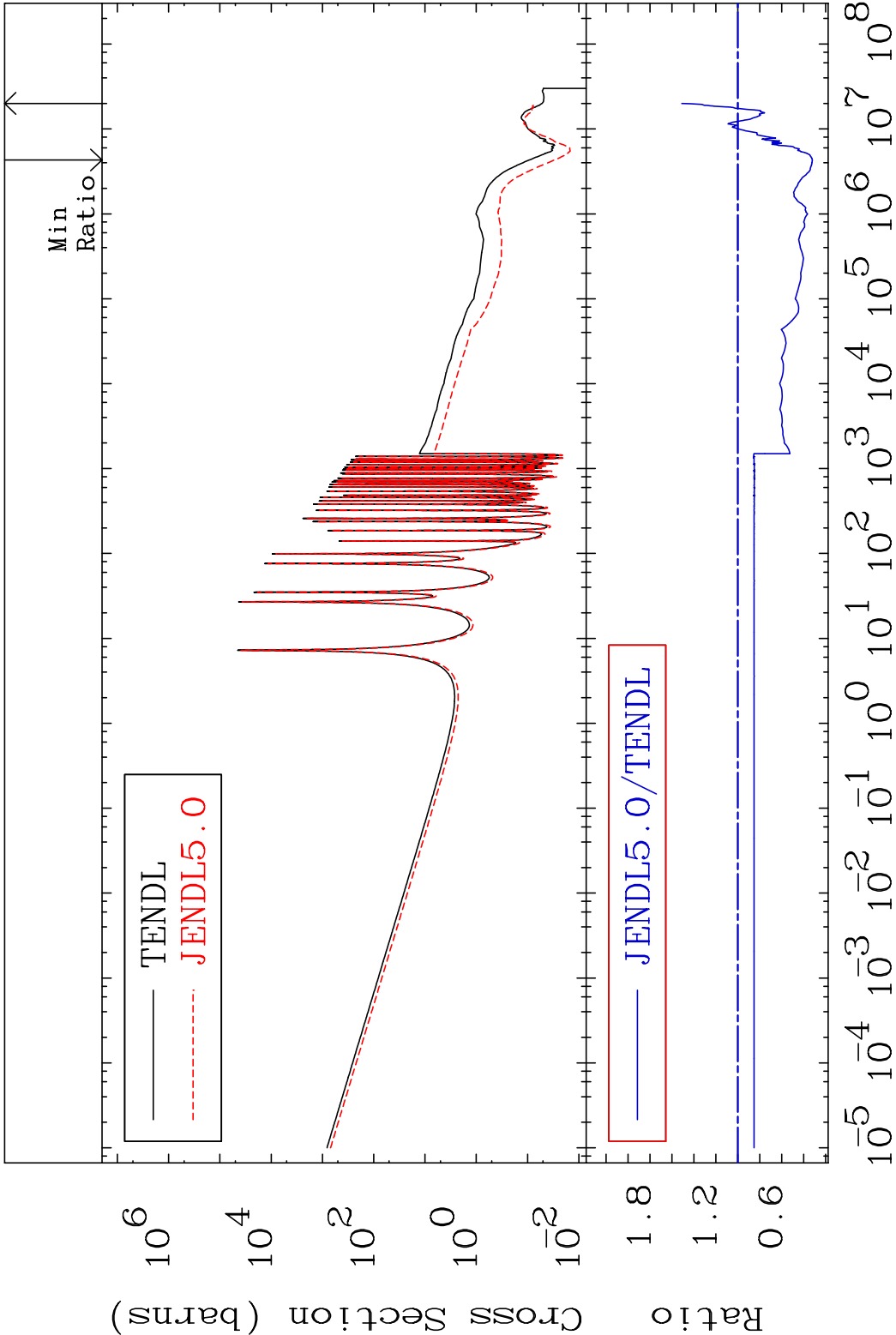


MAT 9649 Kerma fission (mt18 or mt19-20-21-38) 96-Cm-248
Cross Section -48.64 To 897.8 %



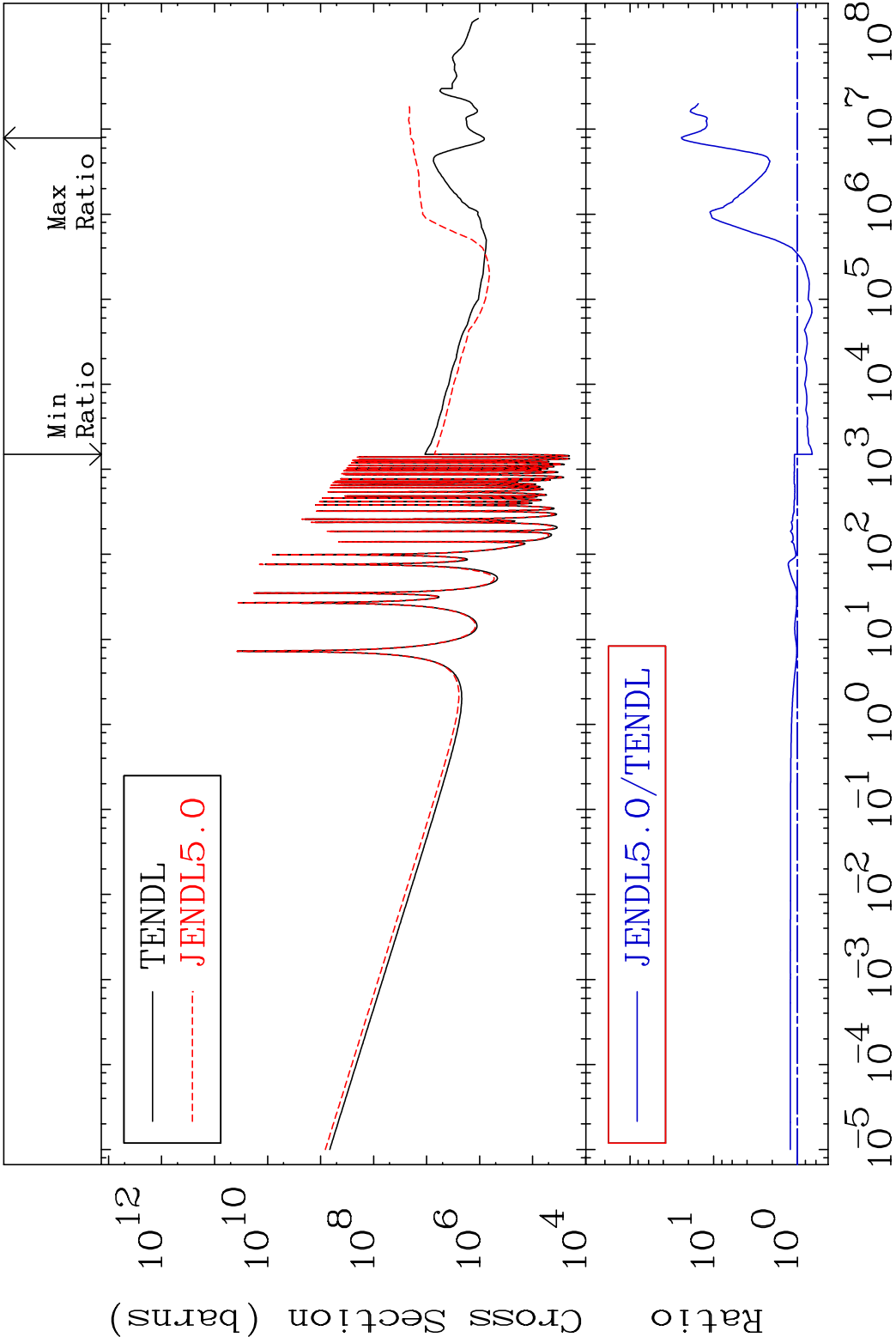
29 Incident Energy (eV) 96-Cm-248

MAT 9649 Kerma capture (mt102) 96-Cm-248
Cross Section -67.85 To 51.04 %

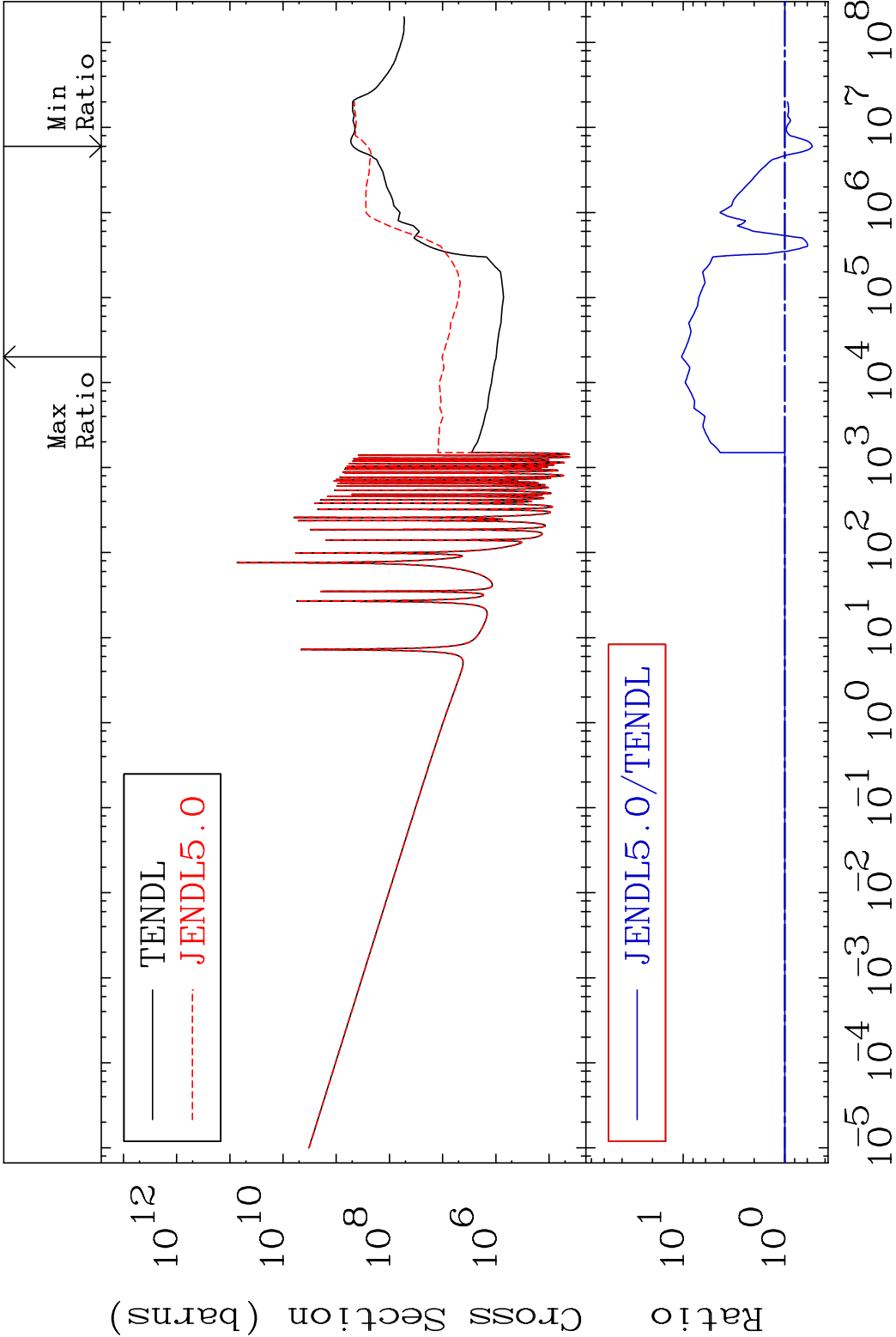


30 Incident Energy (eV) 96-Cm-248

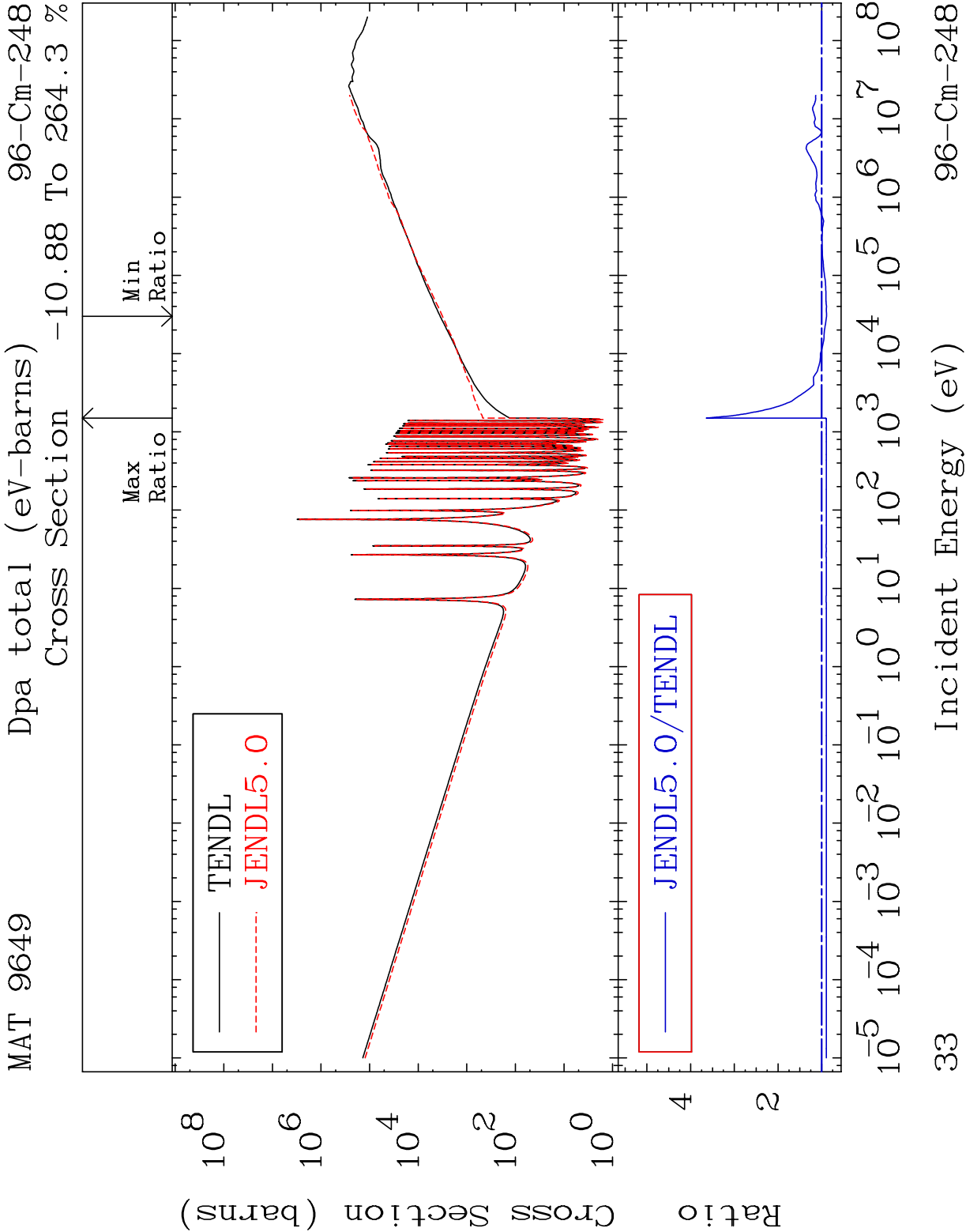
MAT 9649 Total photon (eV-barns) 96-Cm-248
 Cross Section -33.69 To 2325. %



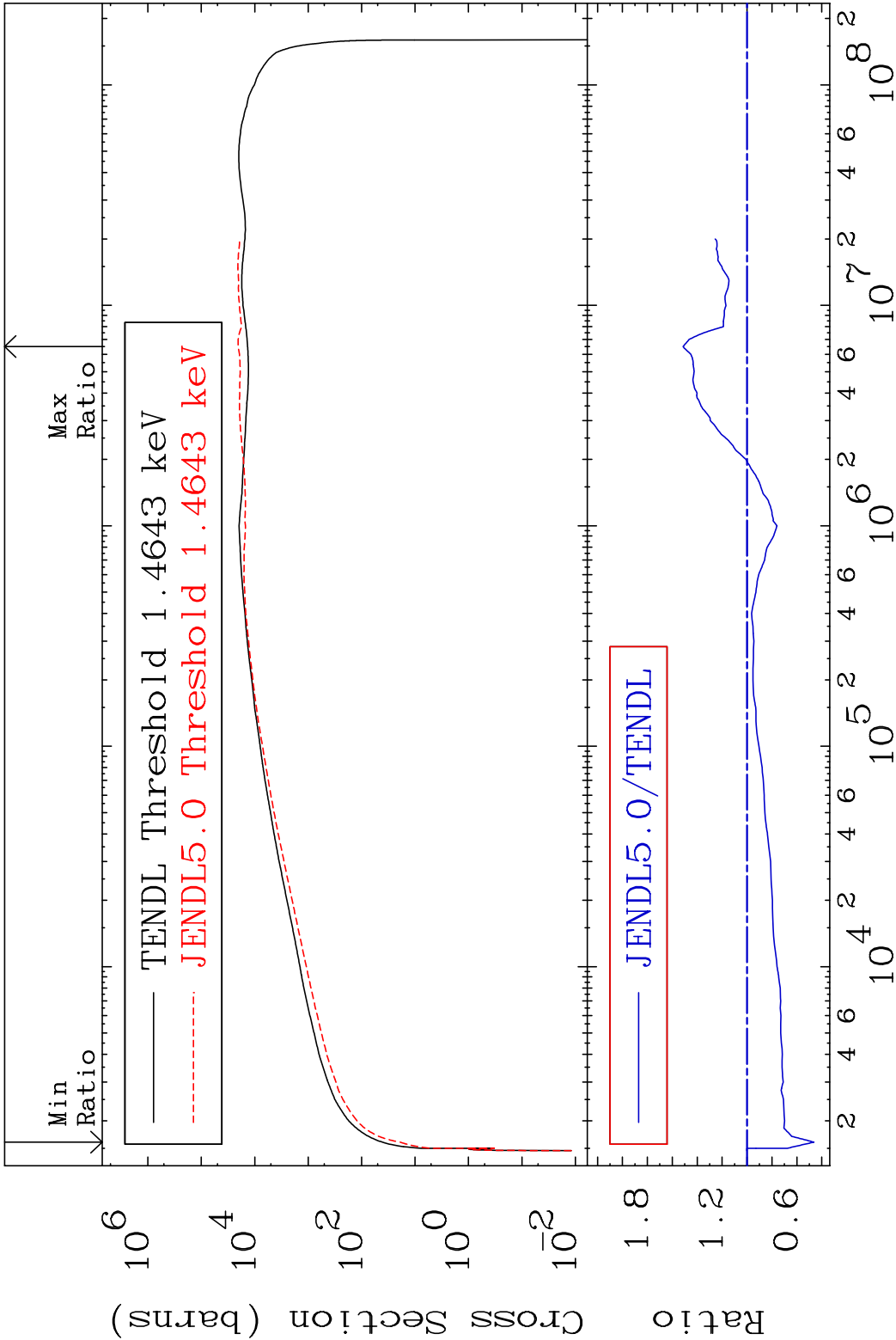
MAT 9649 Total kinematic kerma (high limit) 96-Cm-248
Cross Section -46.42 To 937.9 %

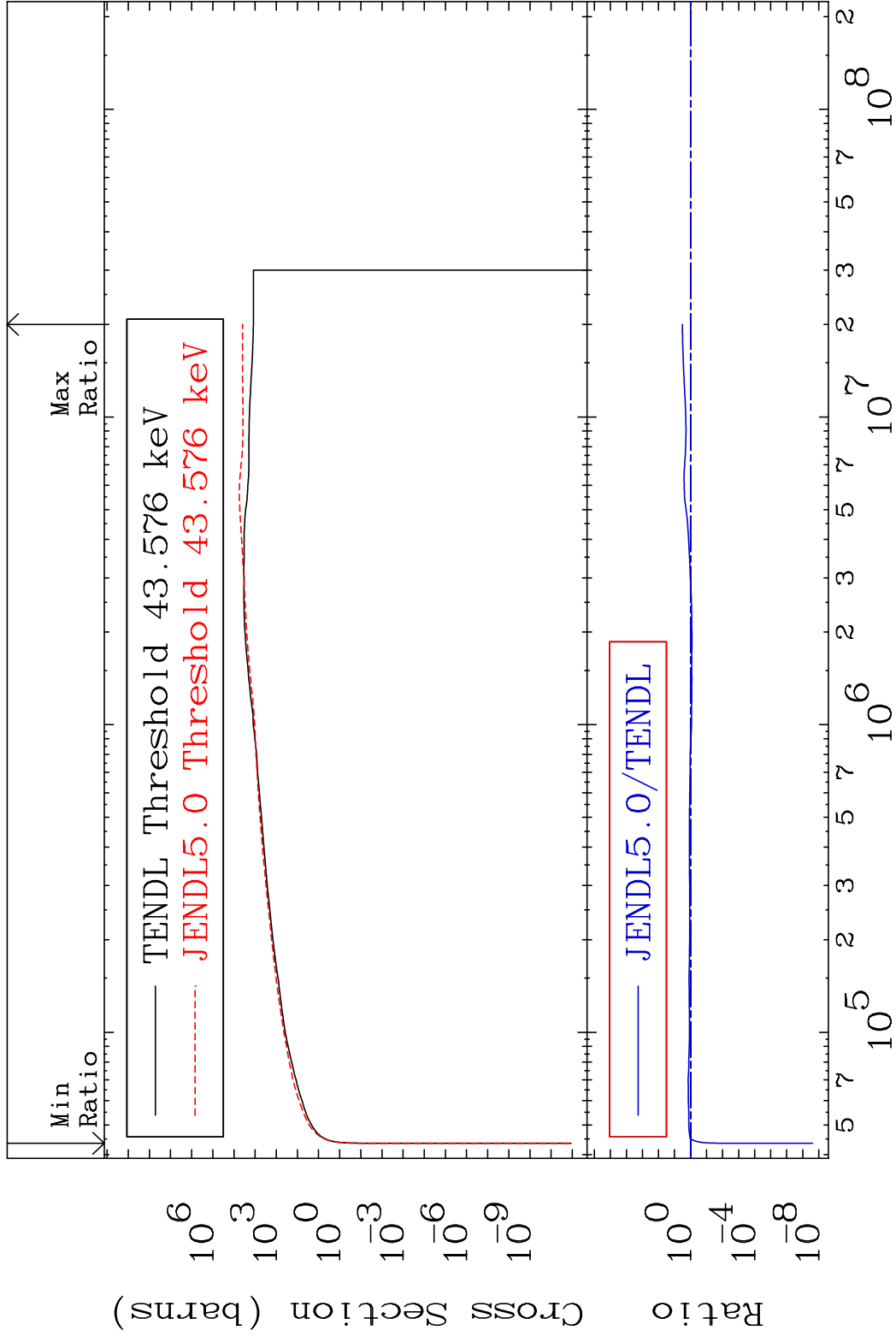


32 Incident Energy (eV) 96-Cm-248

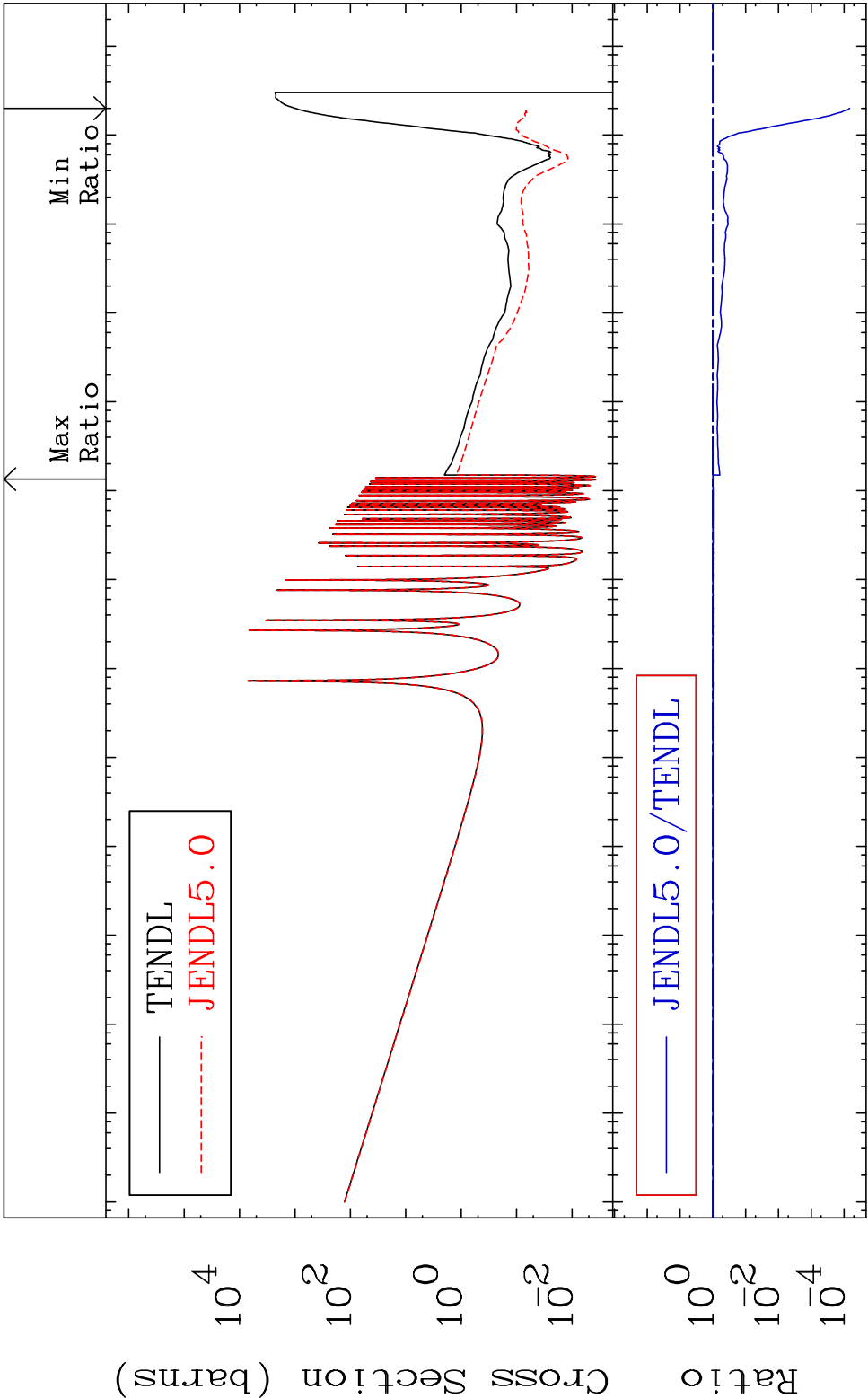


MAT 9649	Dpa elastic (mt2)	96-Cm-248
	Cross Section	-53.66 To 51.36 %





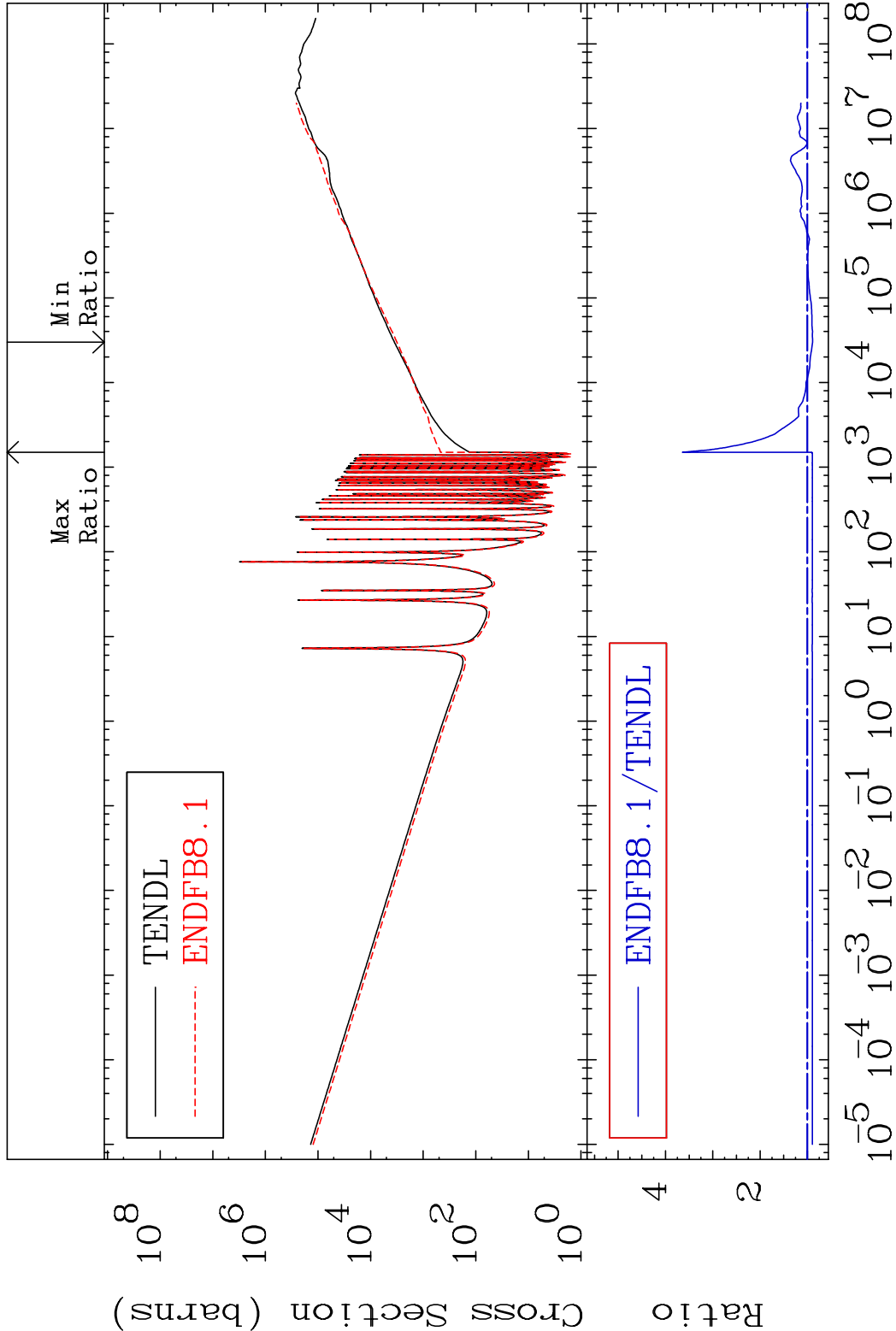
MAT 9649 Dpa disappearance (mt102 -120) 96-Cm-248
Cross Section -99.99 To 0.005 %



36 Incident Energy (eV) 96-Cm-248

MAT 9649 Dpa total (eV-barns) 96-Cm-248

Cross Section -10.88 To 264.3 %



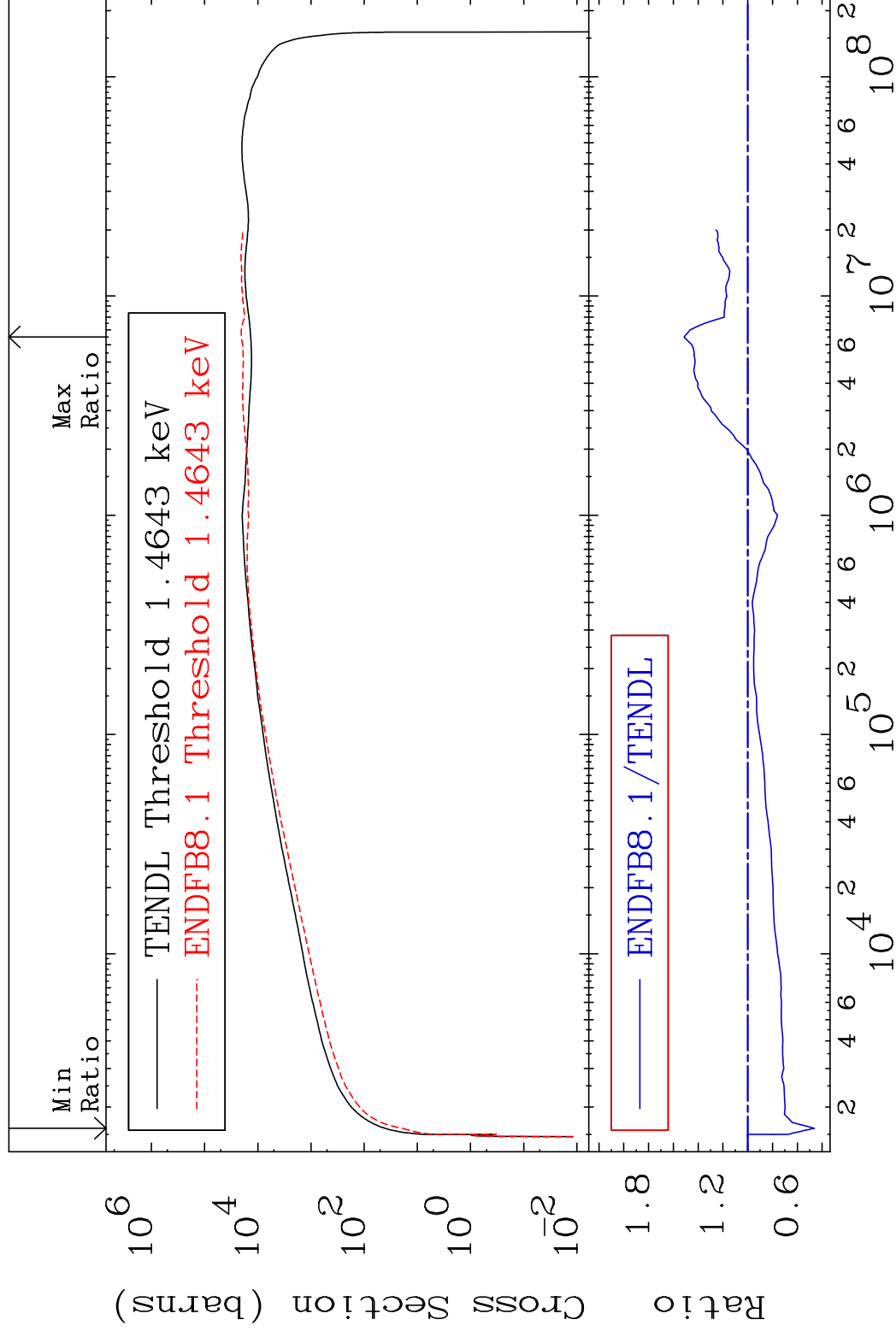
37 Incident Energy (eV) 96-Cm-248

MAT 9649

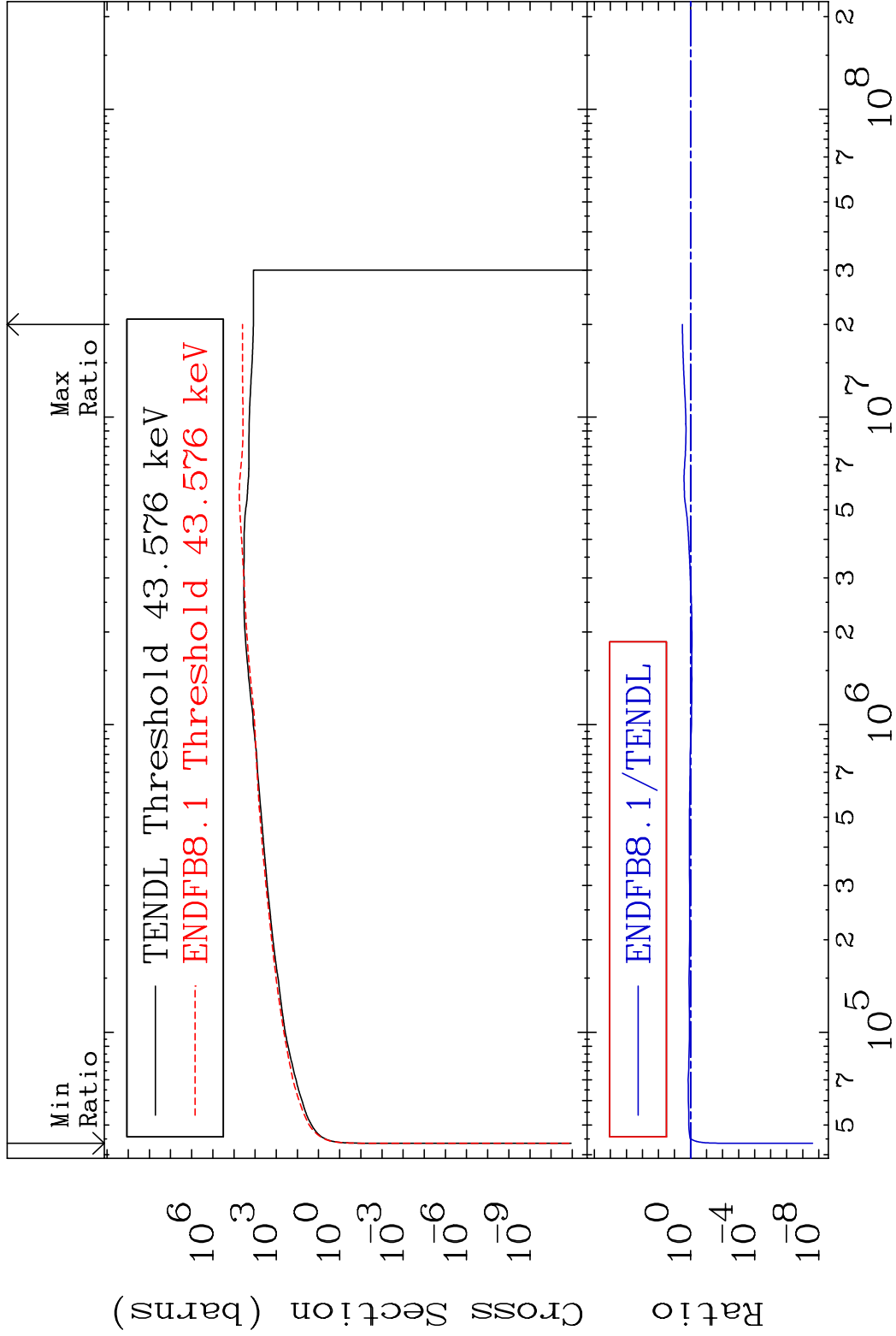
Dpa elastic (mt2)

96-Cm-248

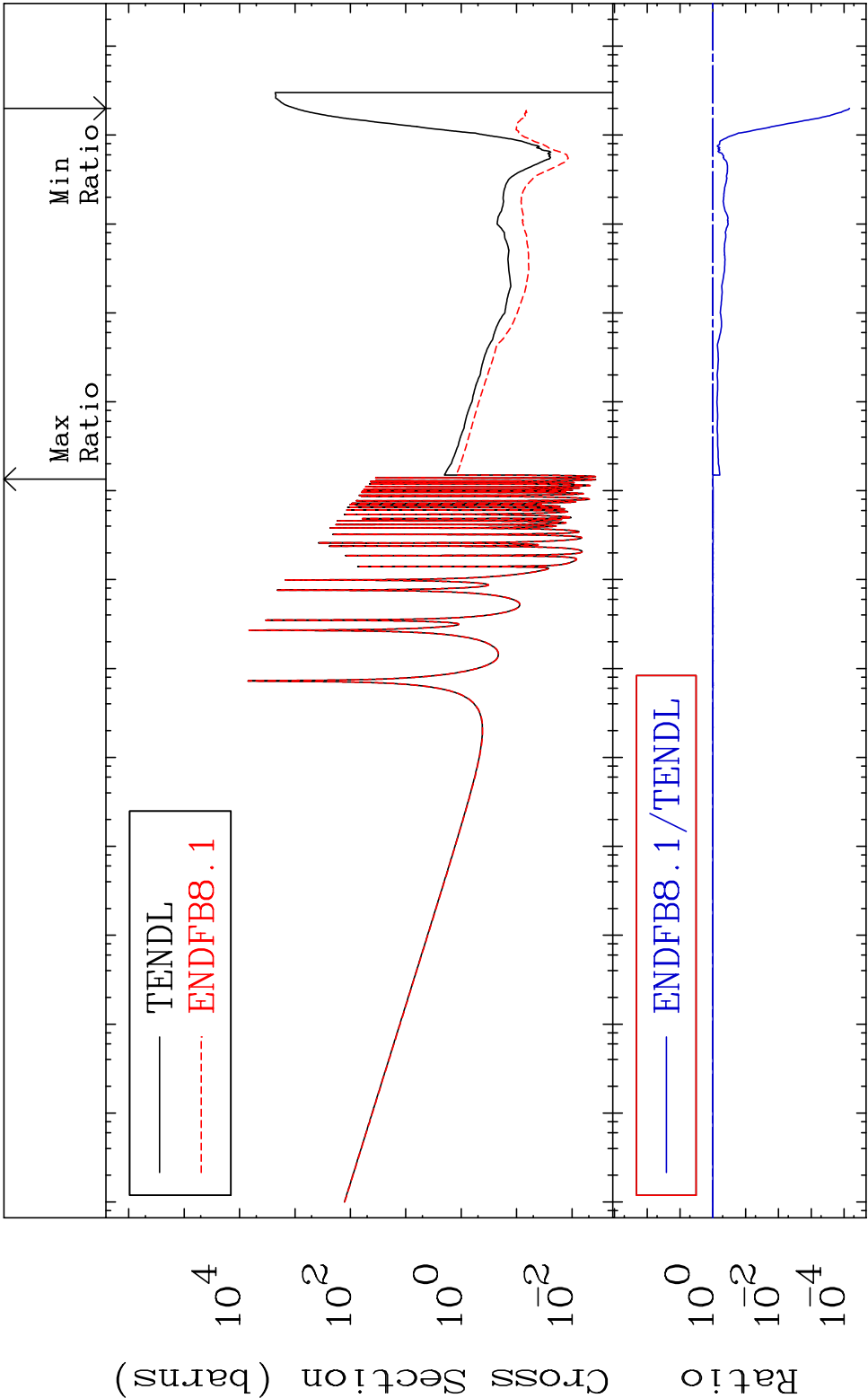
Cross Section -53.66 To 51.36 %



MAT 9649 Dpa inelastic (mt51-91) 96-Cm-248
Cross Section -100.0 To 224.0 %



MAT 9649 Dpa disappearance (mt102 -120) 96-Cm-248
Cross Section -99.99 To 0.005 %



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

40 Incident Energy (eV) 96-Cm-248