

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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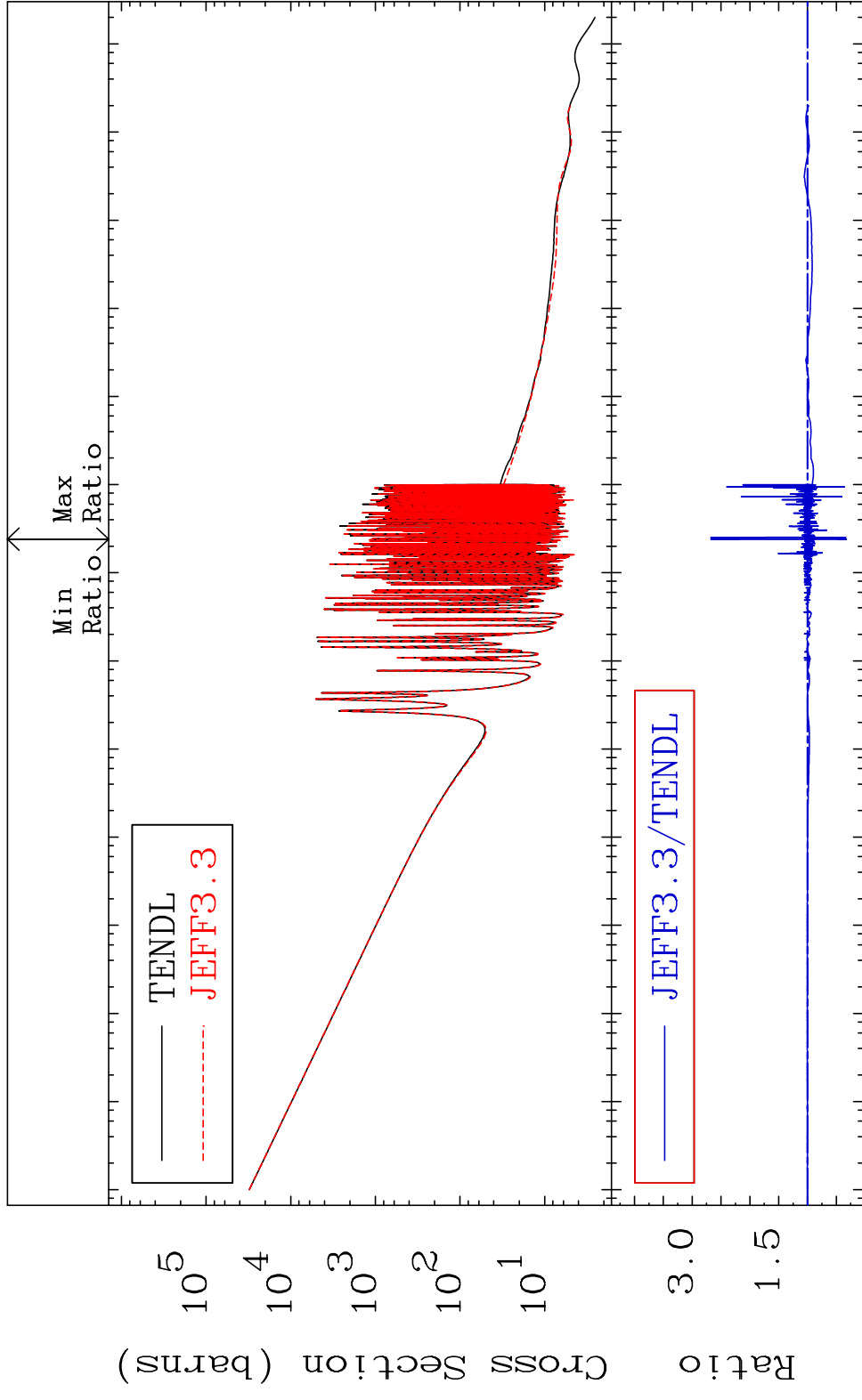
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6640

Total Cross Section -67.37 To 167.8 %

66-Dy-161



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

1 1.5 3.0

Incident Energy (eV)

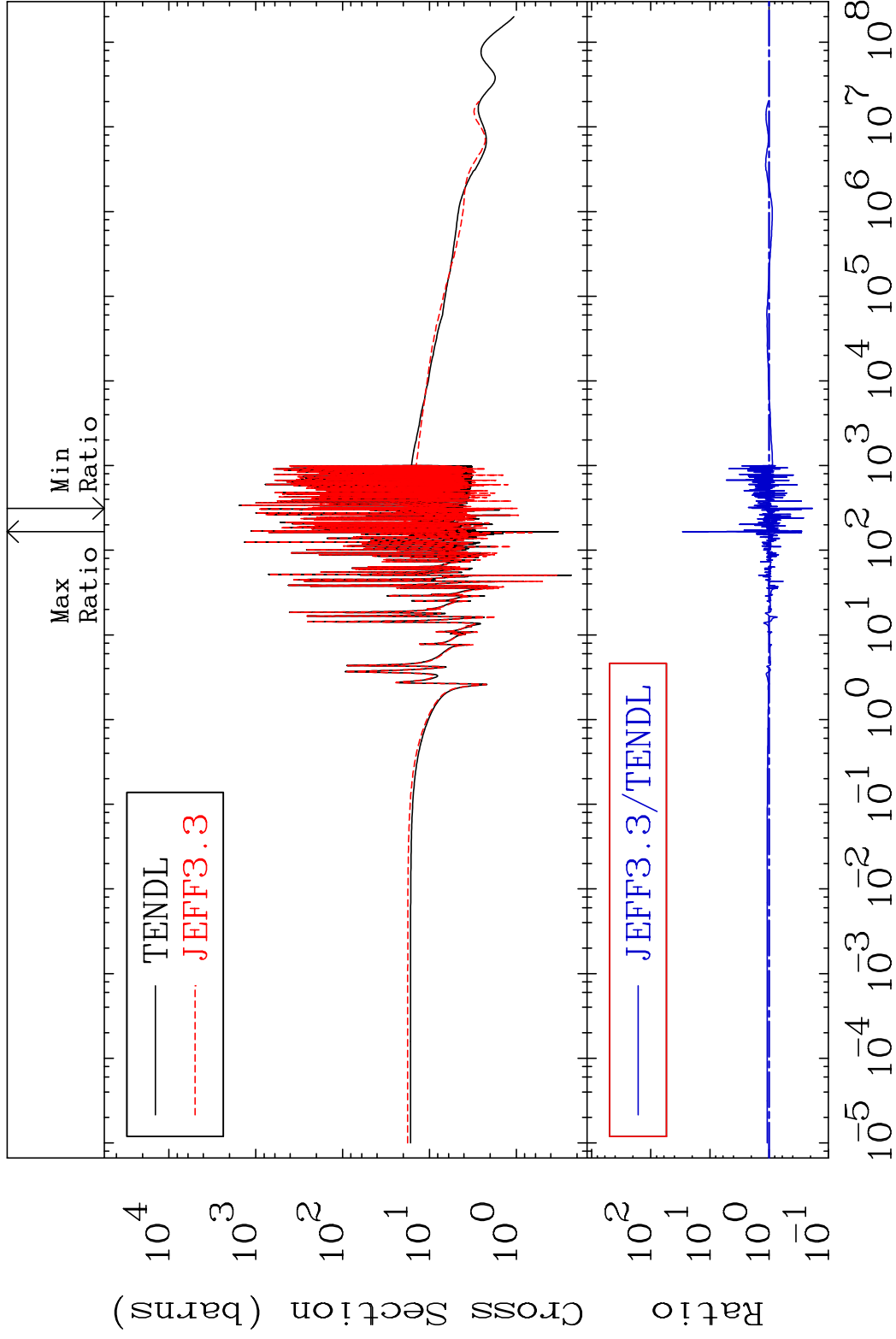
66-Dy-161

MAT 6640

Elastic

66-Dy-161

Cross Section -81.55 To 2827. %

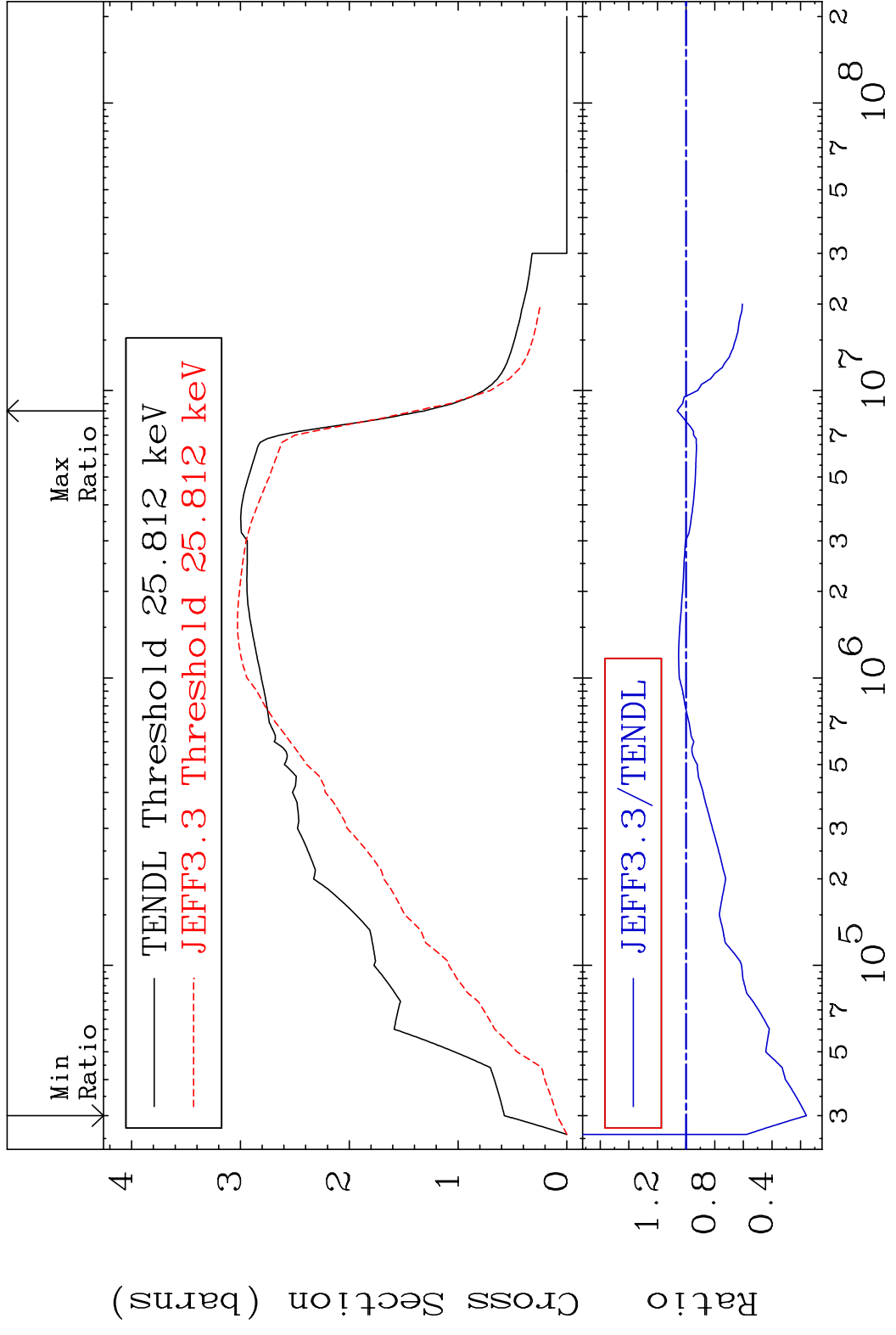


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Incident Energy (eV)

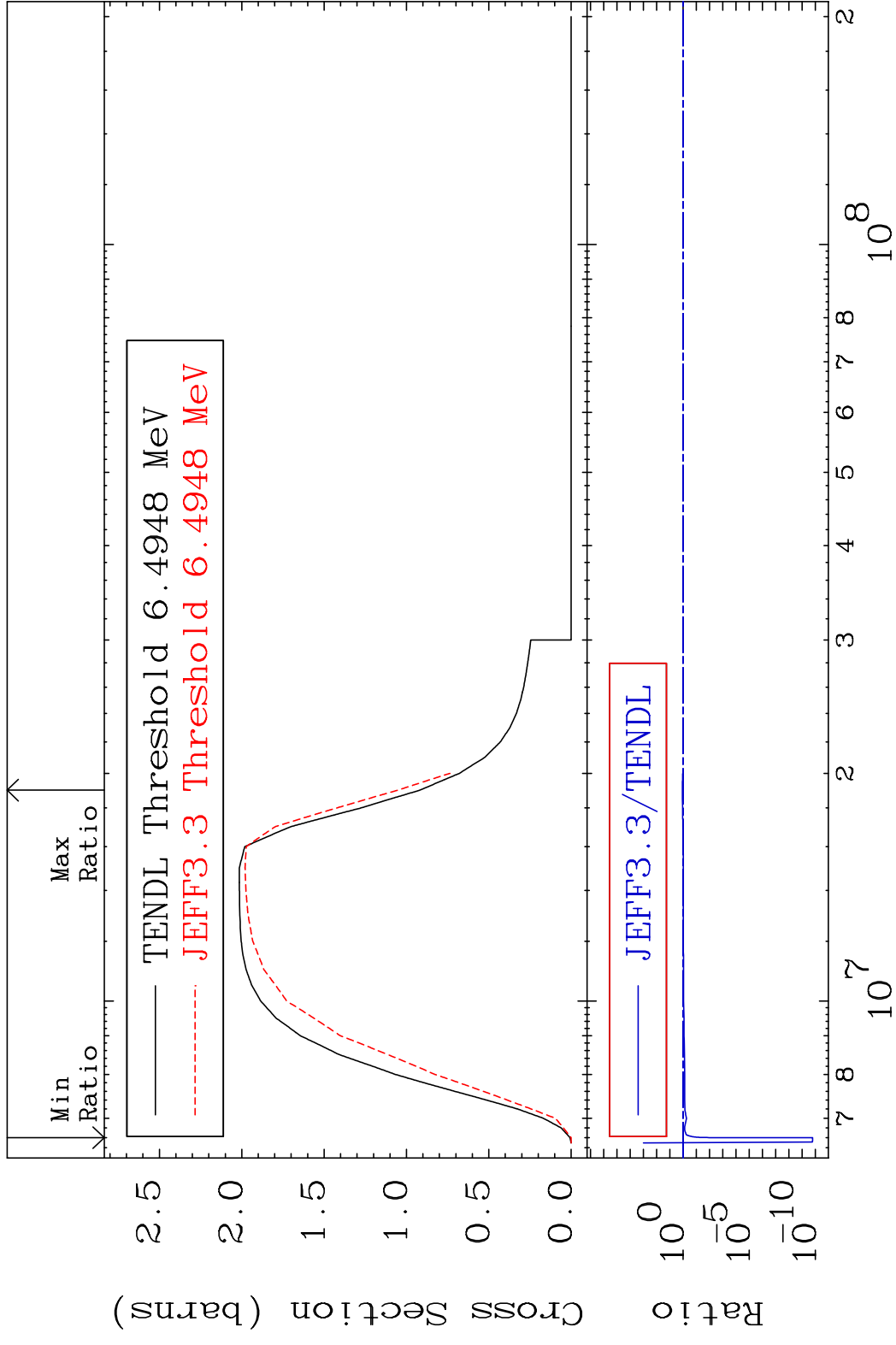
66-Dy-161

MAT 6640 Inelastic Cross Section 66-Dy-161
 -84.08 To 6.200 %



3 Incident Energy (eV) 66-Dy-161

MAT 6640 (n,2n) 66-Dy-161
 Cross Section -100.0 To 14.66 %

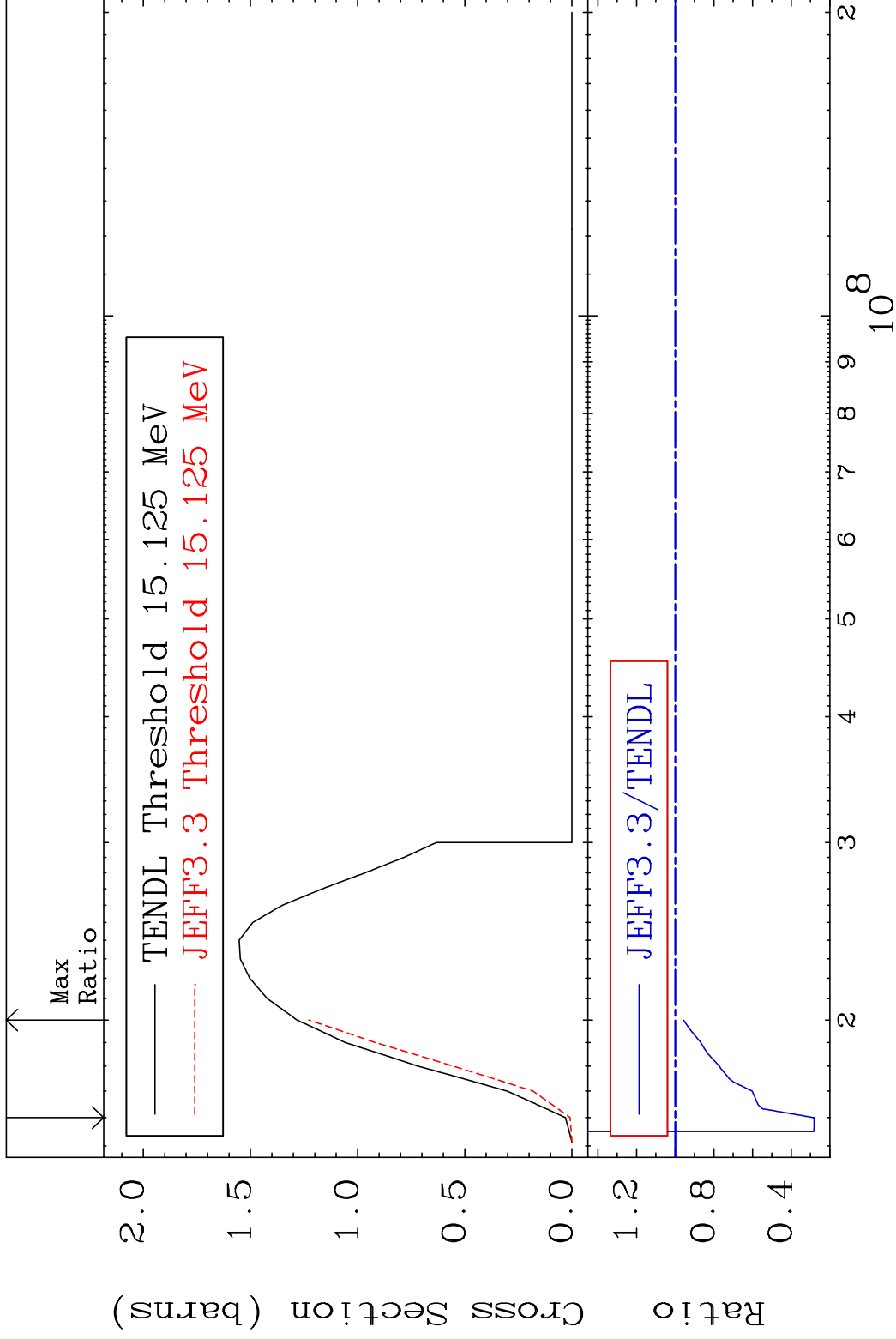


MAT 6640

(n,3n)

66-Dy-161

Cross Section -71.83 To -4.283%



5

Incident Energy (eV)

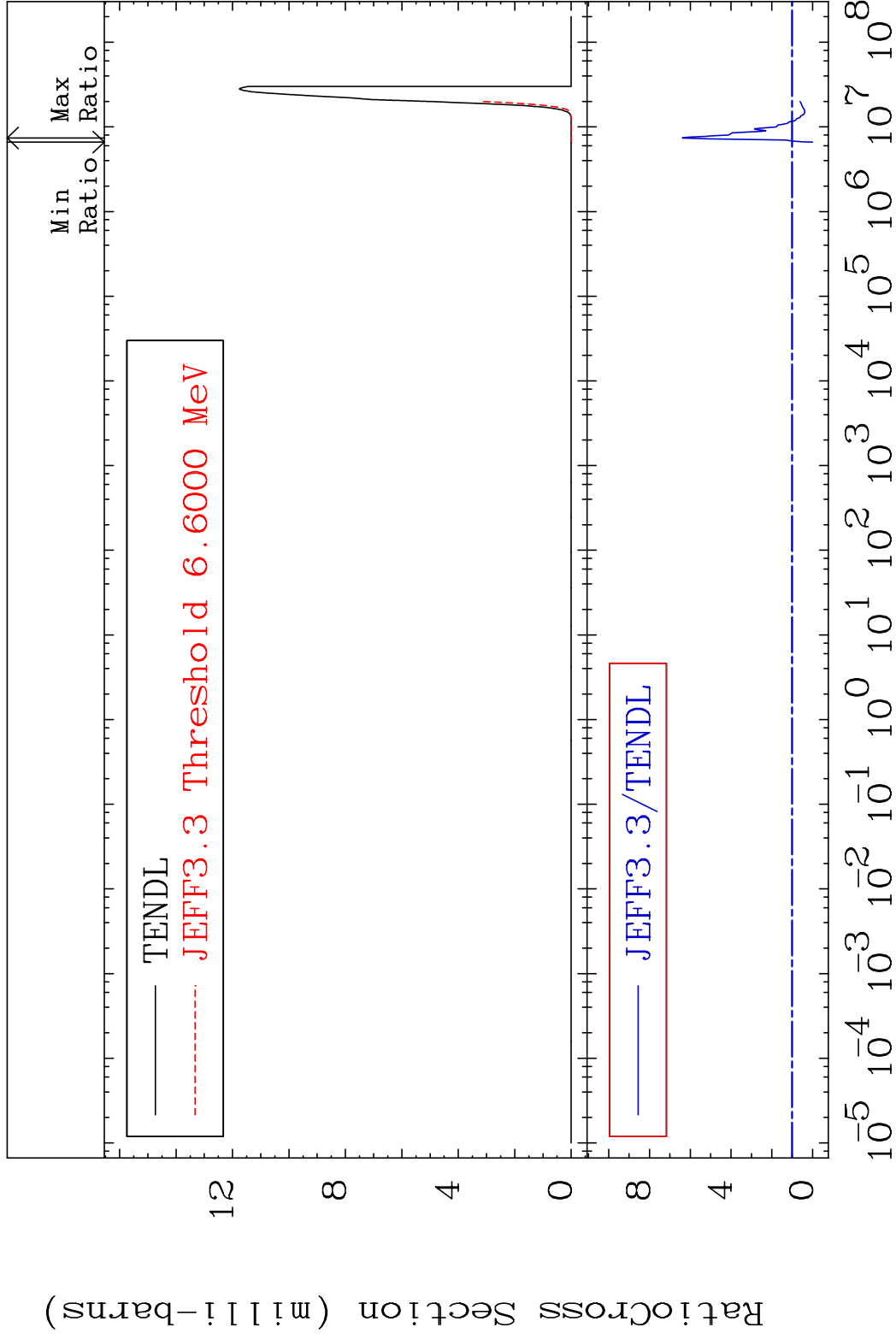
66-Dy-161

MAT 6640

(n, n') α

66-Dy-161

Cross Section -100.0 To 538.8 %

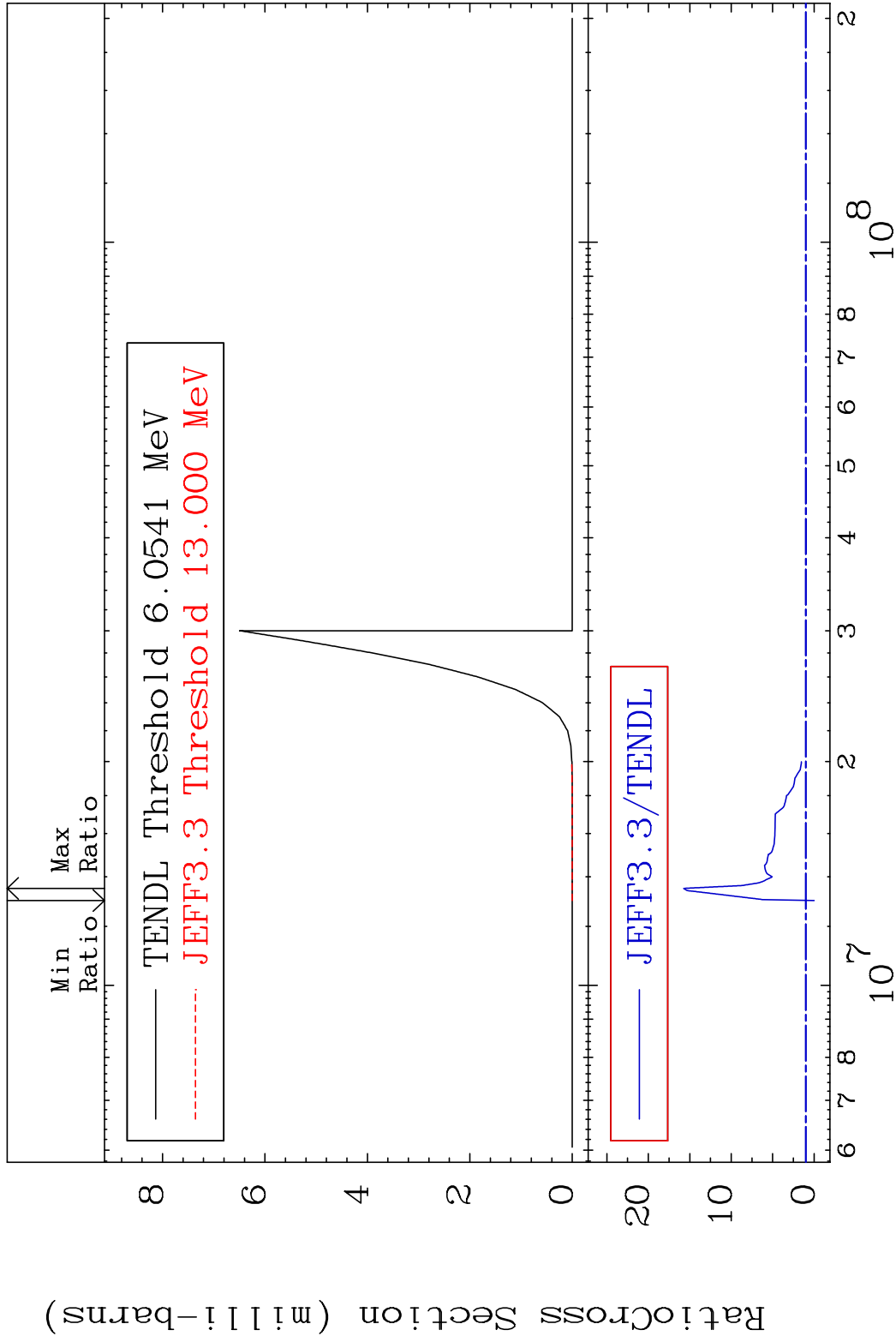


MAT 6640

(n,2n) α

66-Dy-161

Cross Section -100.0 To 1474. %

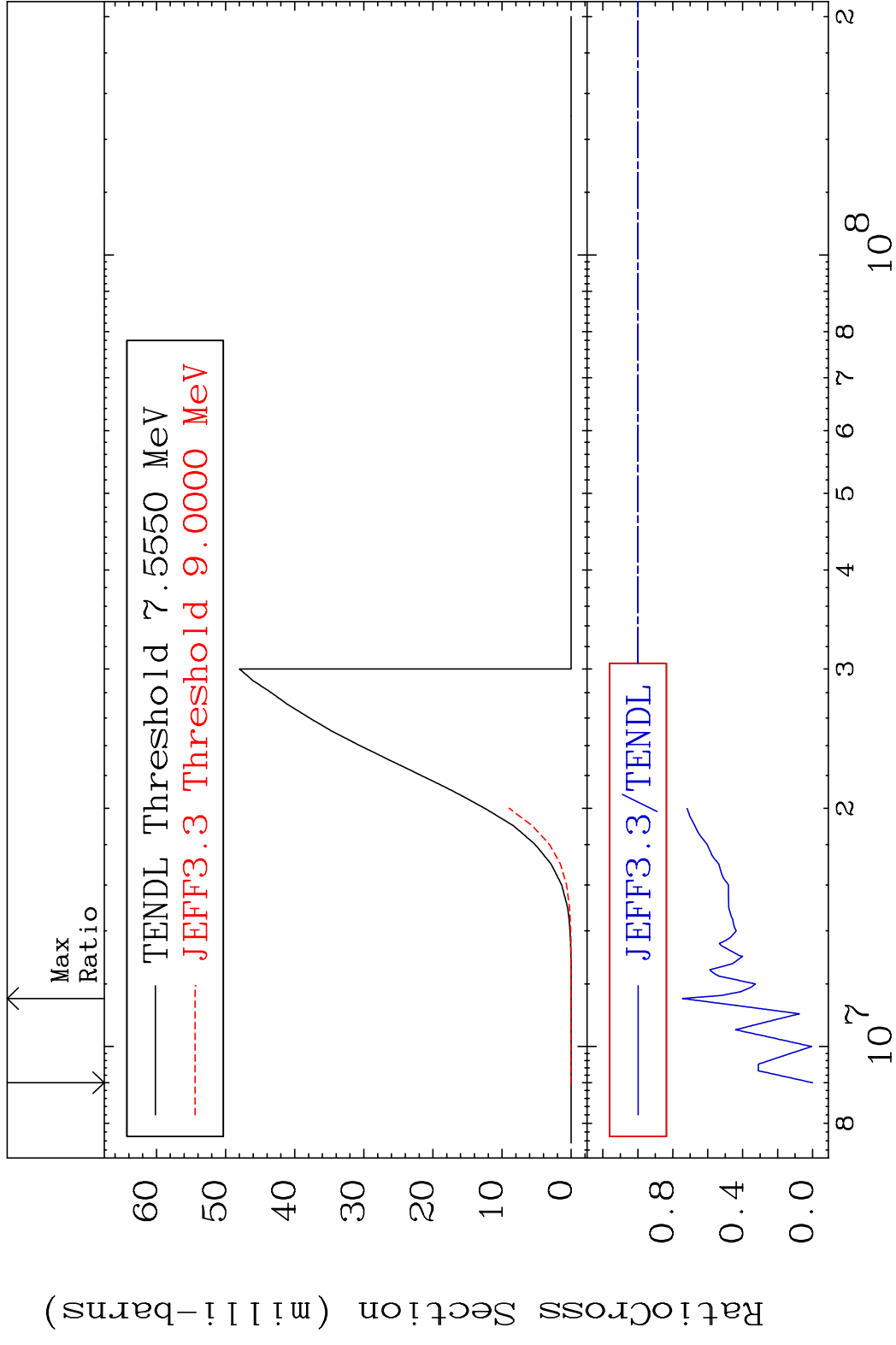


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Incident Energy (eV)

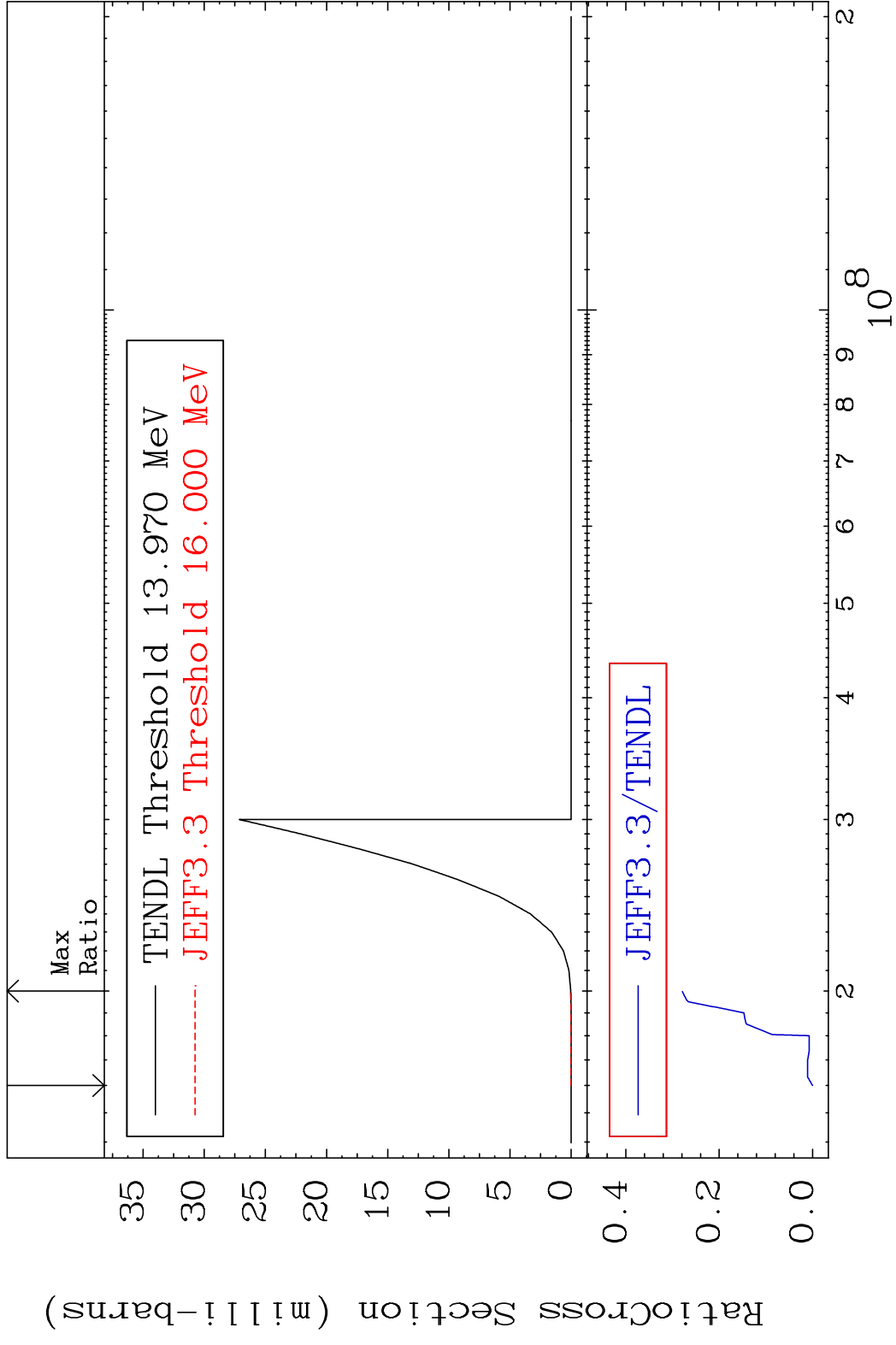
66-Dy-161

MAT 6640 (n, n') p 66-Dy-161
 Cross Section -100.0 To -25.49%

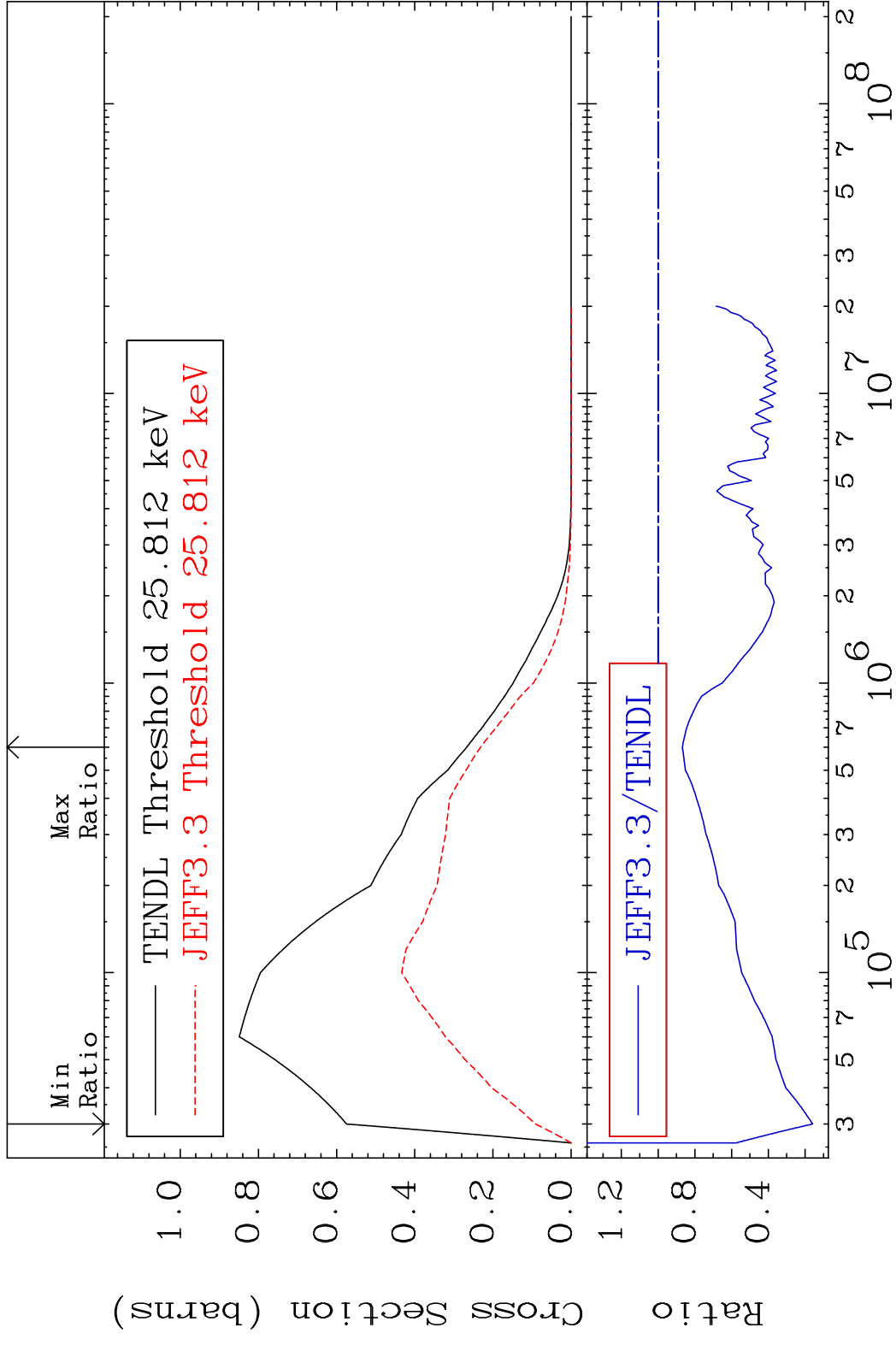


8 8 Incident Energy (eV) 66-Dy-161

MAT 6640 (n,2n) p 66-Dy-161
 Cross Section -100.0 To -72.10%

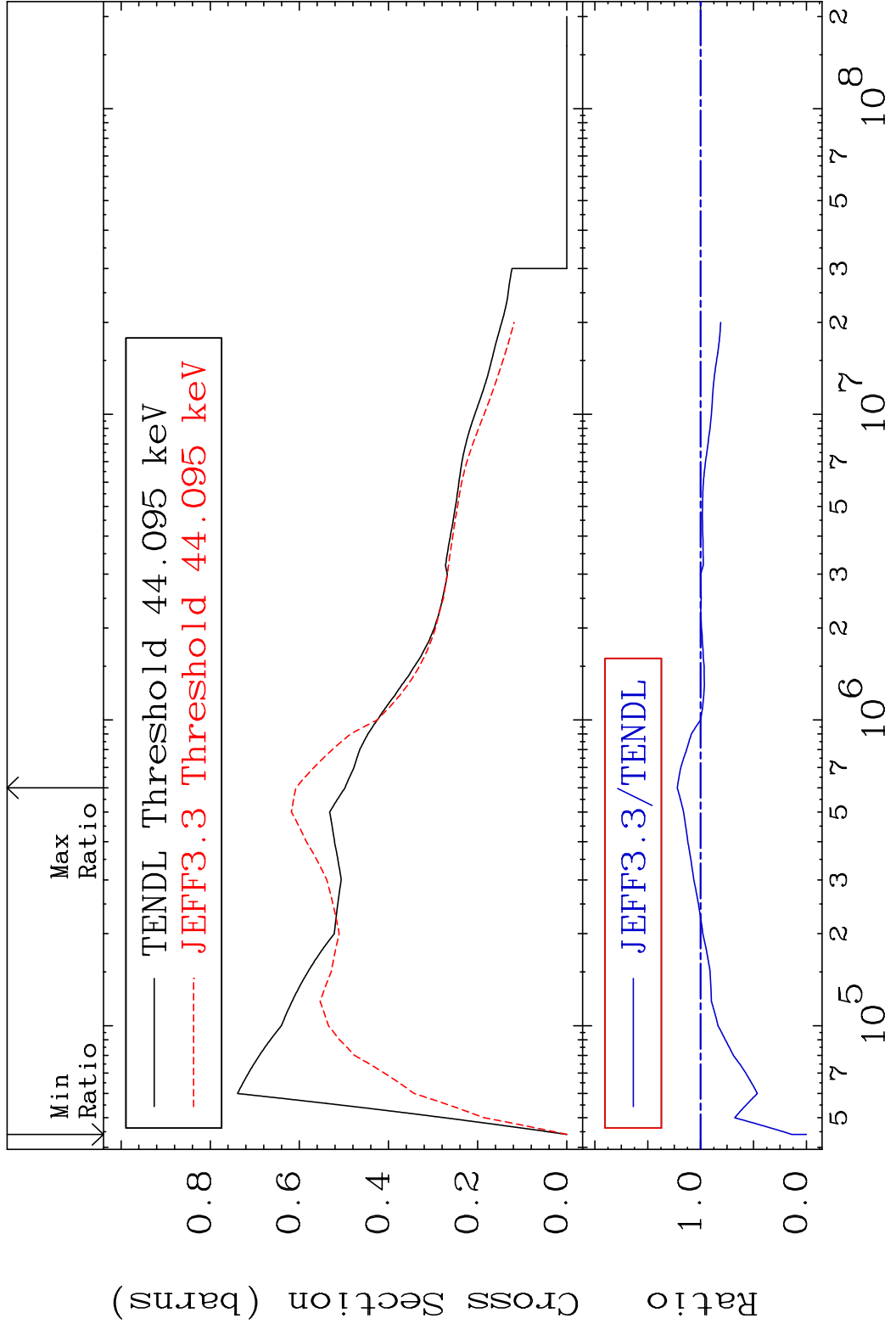


MAT 6640 MT= 51 (n, n') Level 66-Dy-161
 Cross Section -84.08 To -13.20%

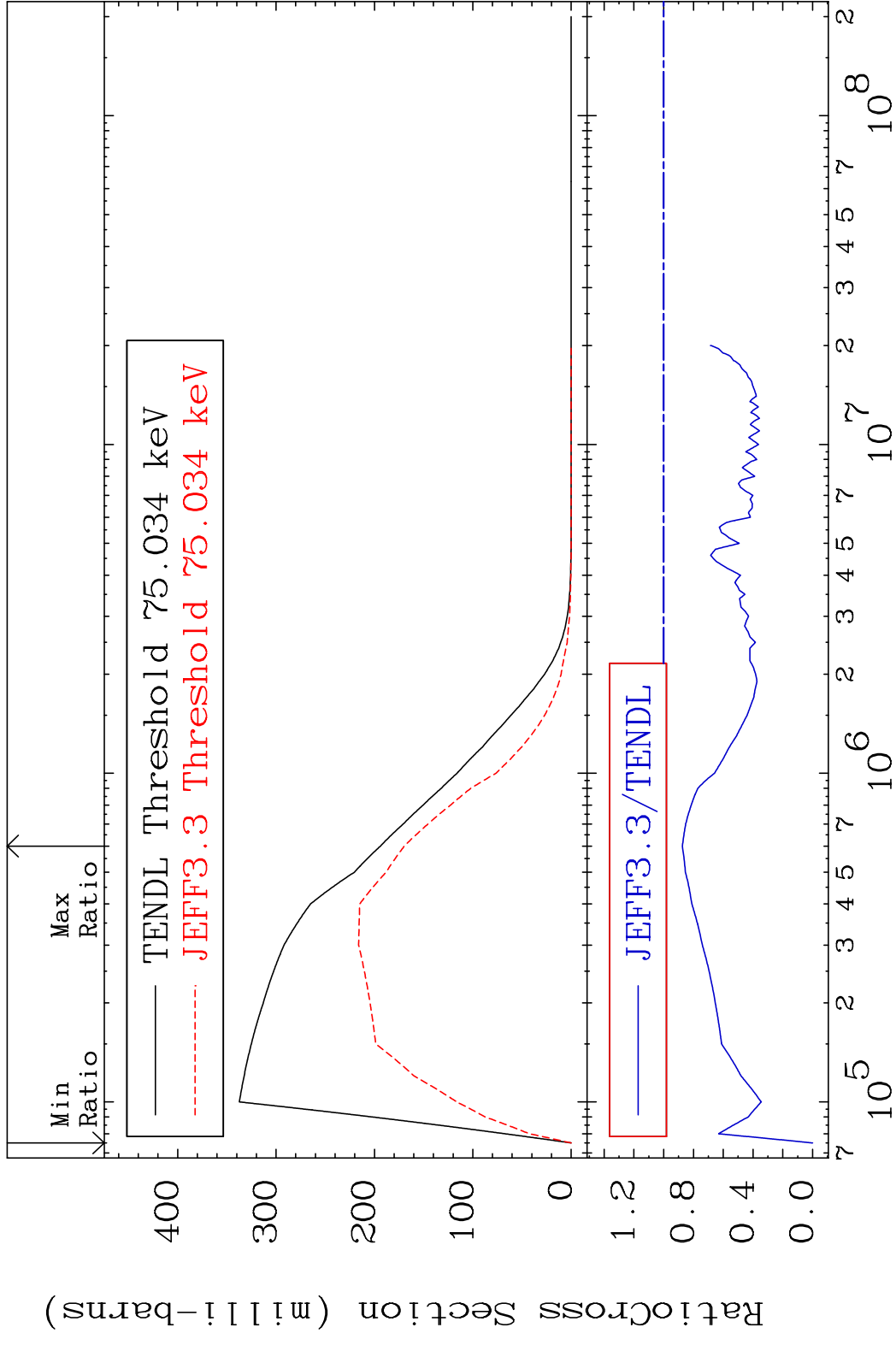


10 Incident Energy (eV) 66-Dy-161

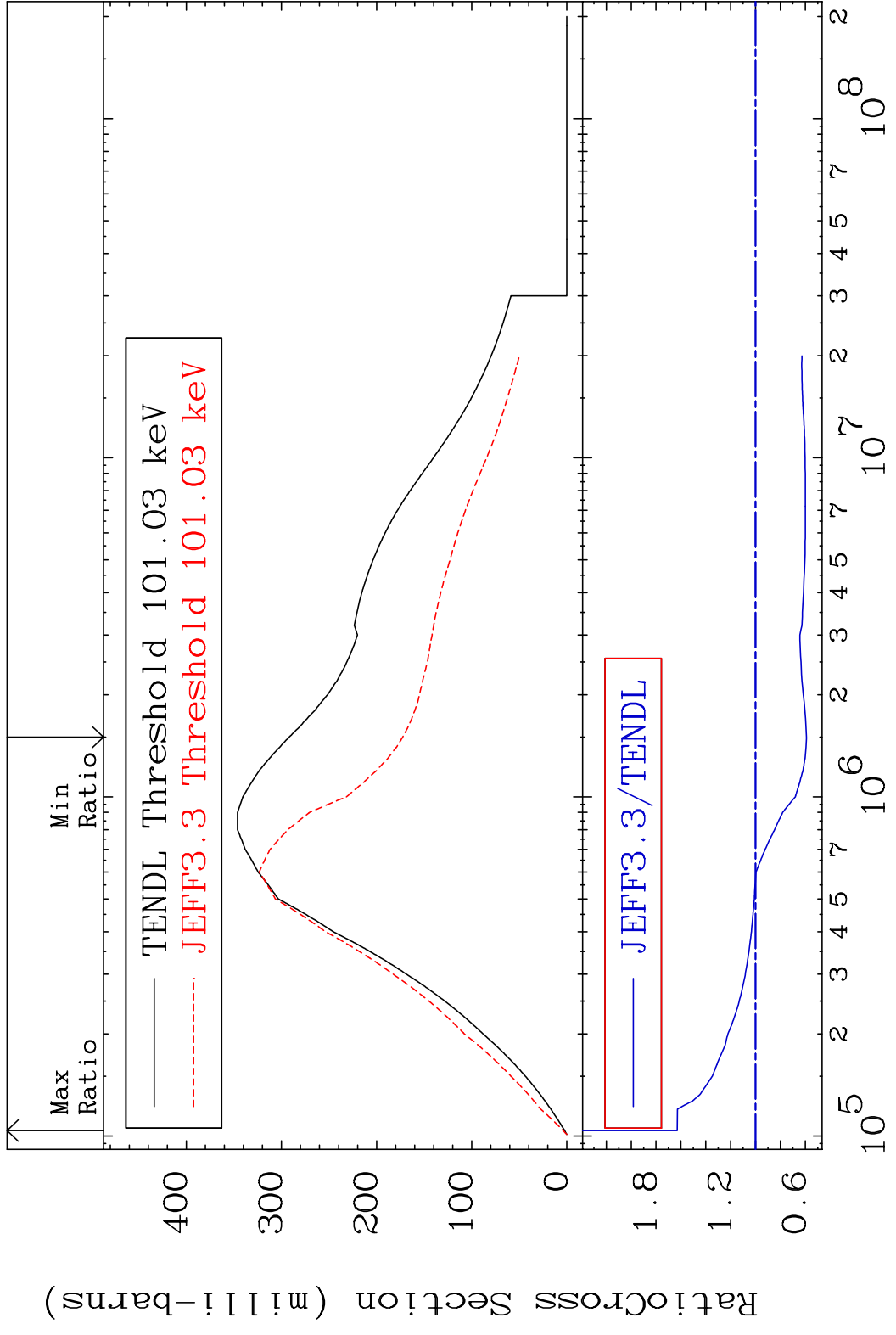
MAT 6640 MT= 52 (n, n') Level 66-Dy-161
 Cross Section -100.0 To 22.16 %



MAT 6640 MT= 53 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -12.54%

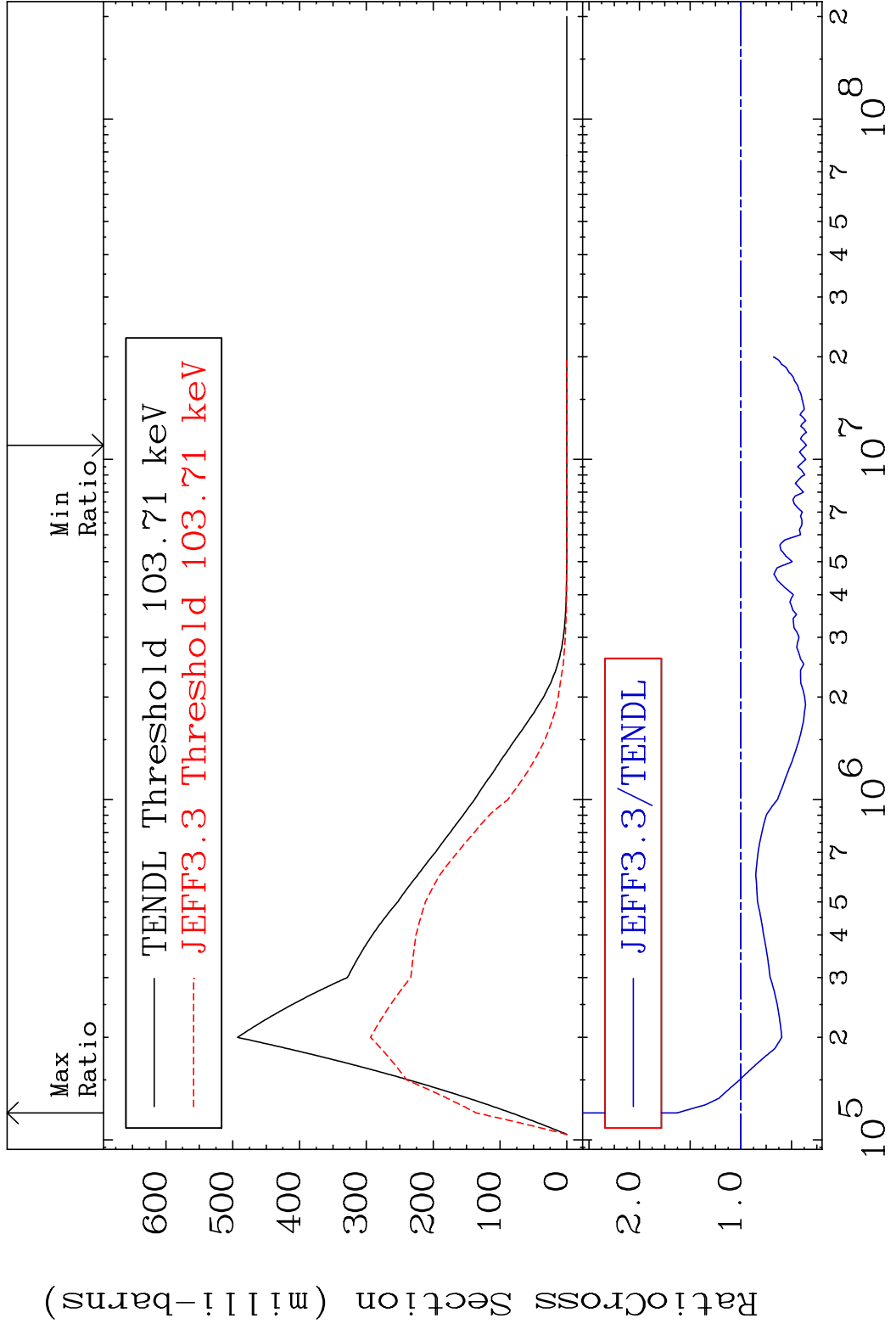


MAT 6640 MT= 54 (n, n') Level 66-Dy-161
 Cross Section -40.91 To 63.01 %

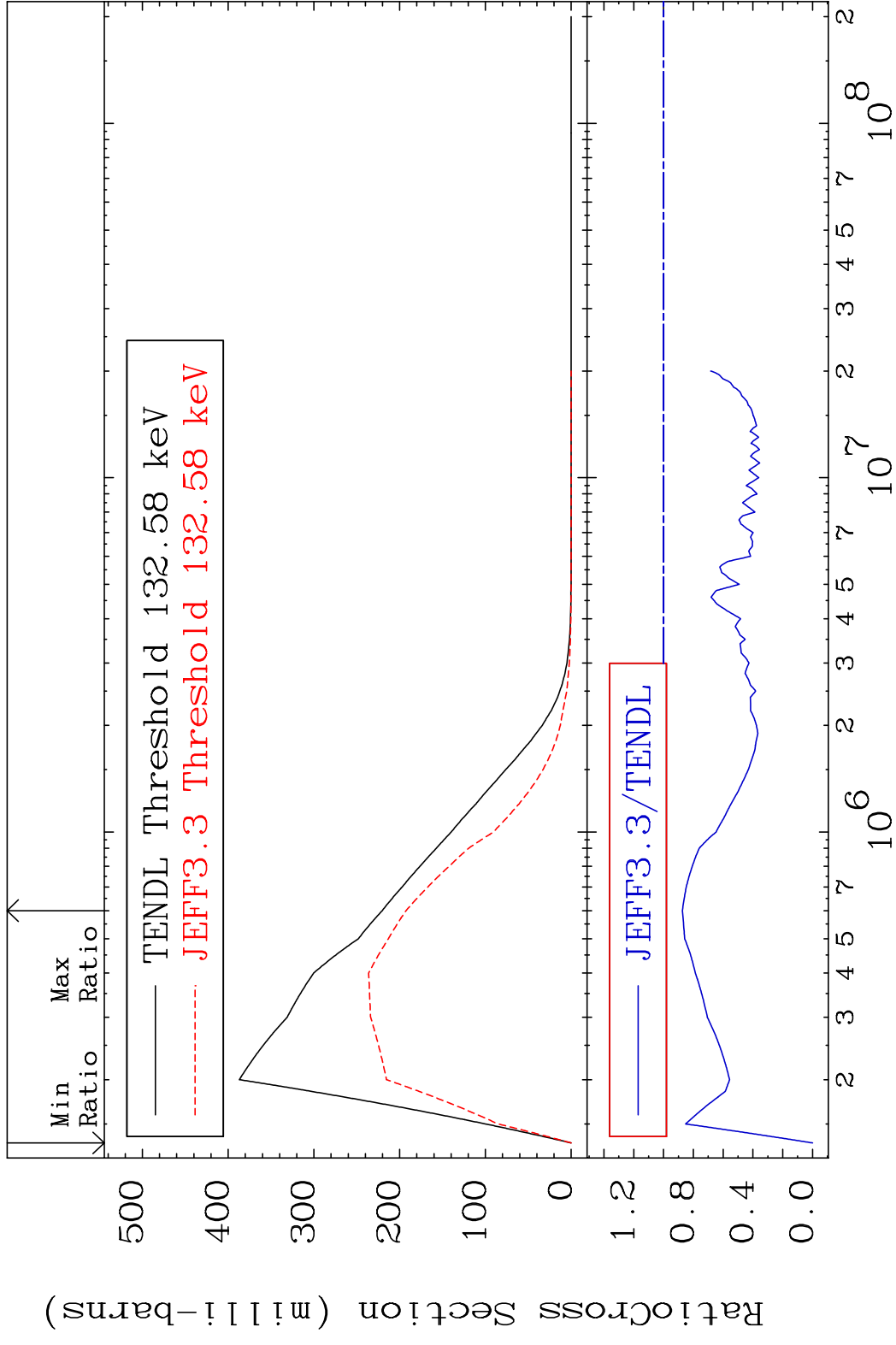


13 Incident Energy (eV) 66-Dy-161

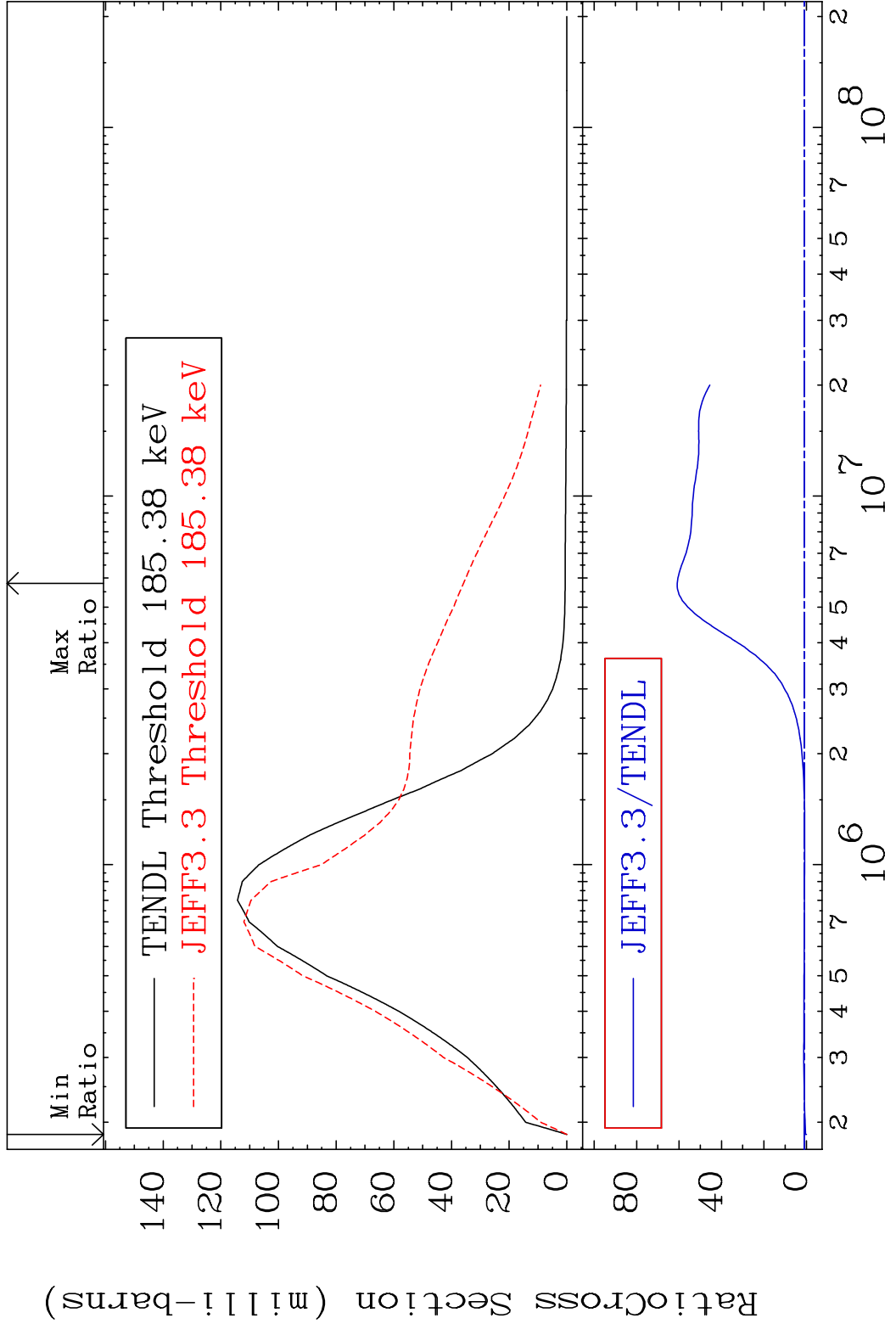
MAT 6640 MT= 55 (n,n') Level 66-Dy-161
 Cross Section -64.64 To 62.85 %



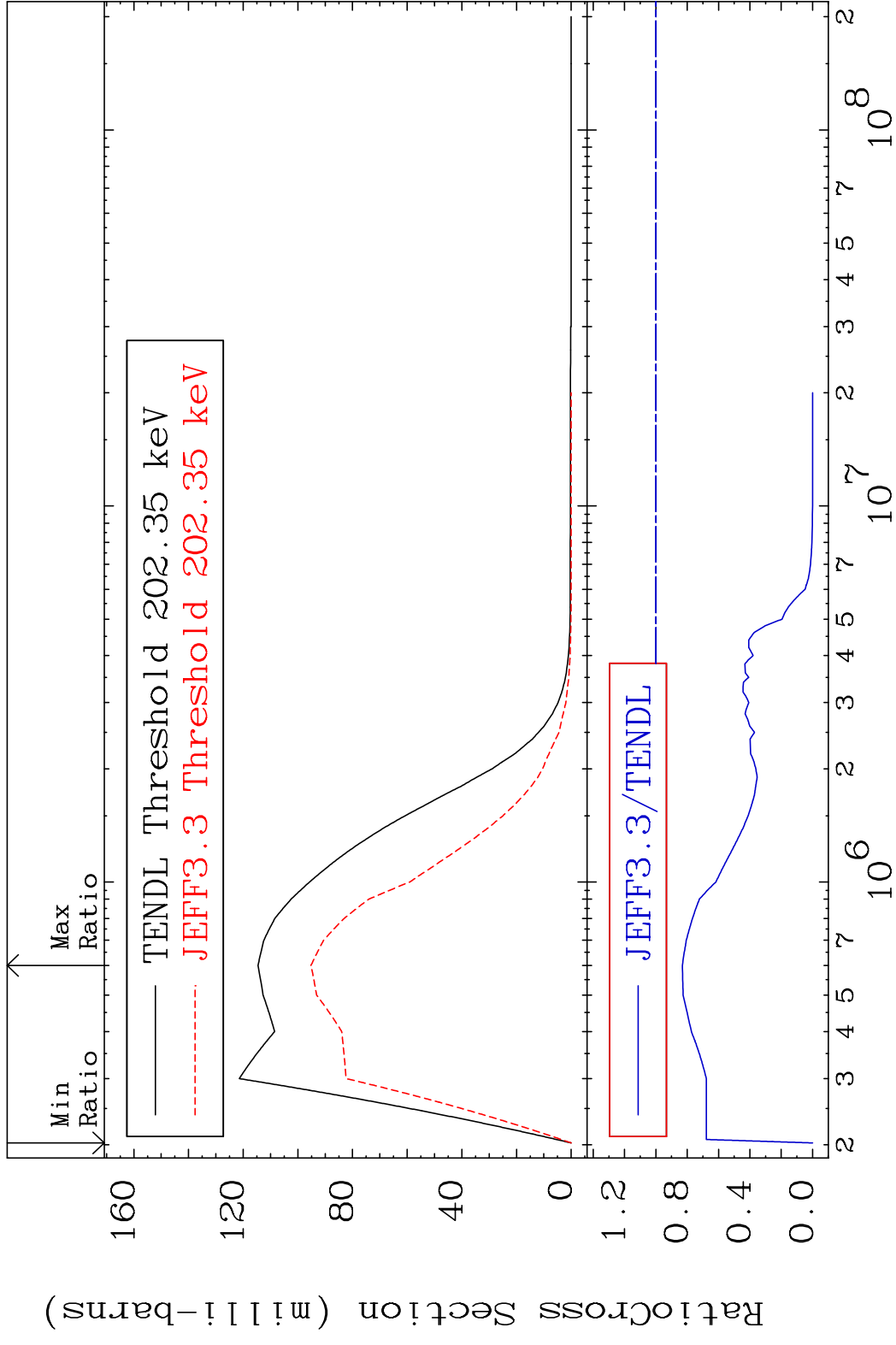
MAT 6640 MT= 56 (n,n') Level 66-Dy-161
 Cross Section -100.0 To -12.61%



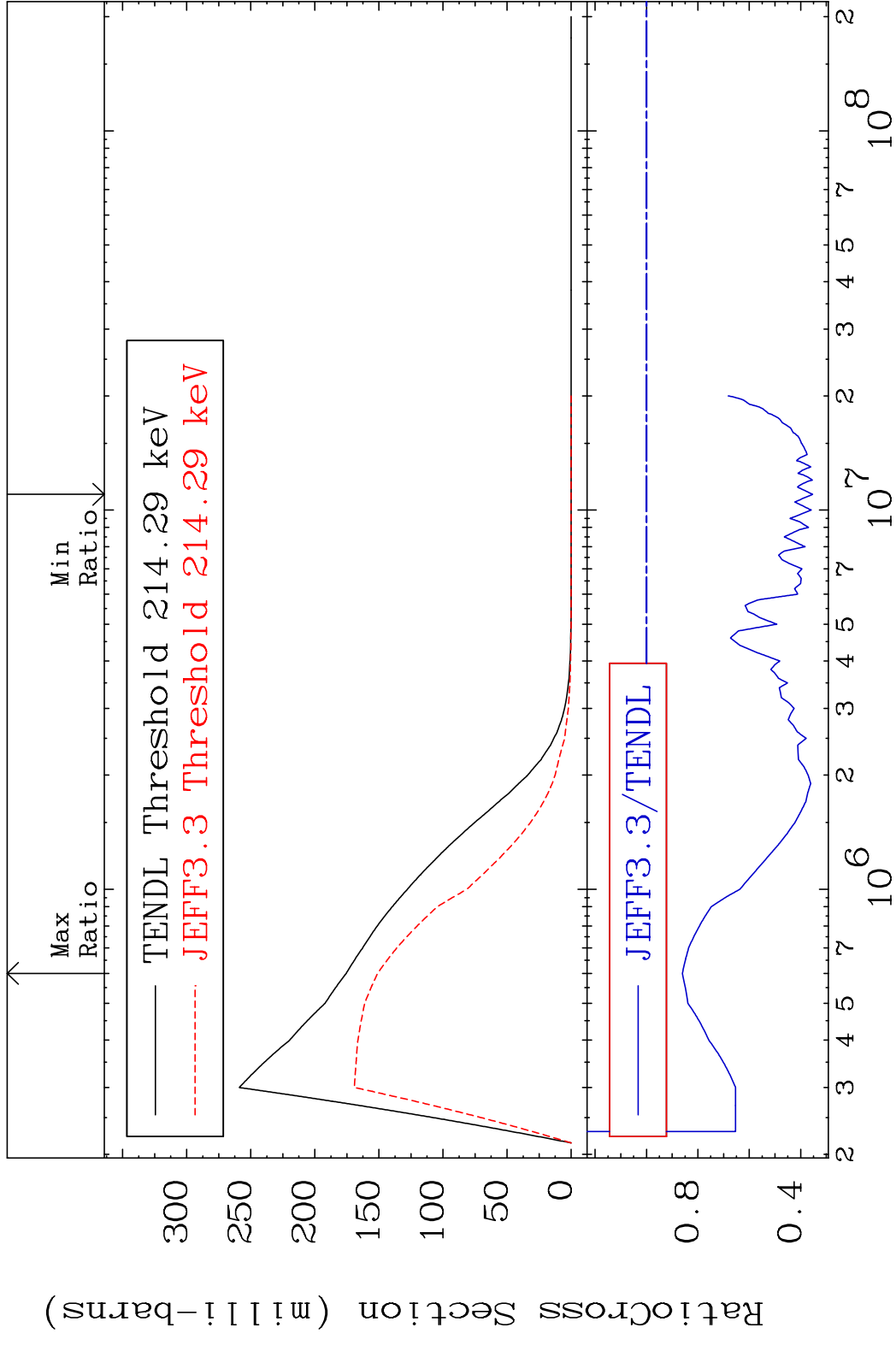
MAT 6640 MT= 57 (n, n') Level 66-Dy-161
 Cross Section -100.0 To 5989. %



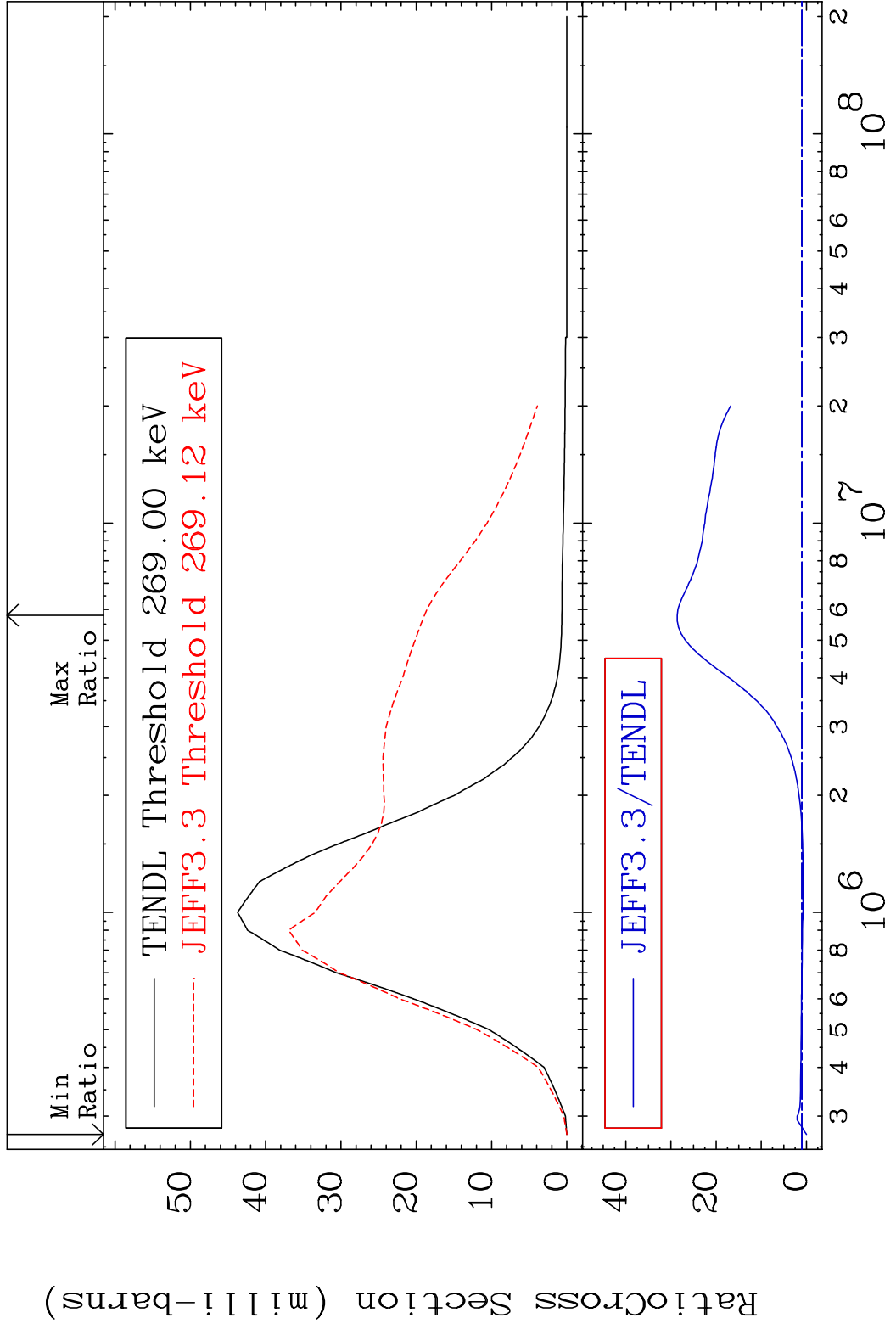
MAT 6640 MT= 58 (n,n') Level 66-Dy-161
 Cross Section -100.0 To -16.91%



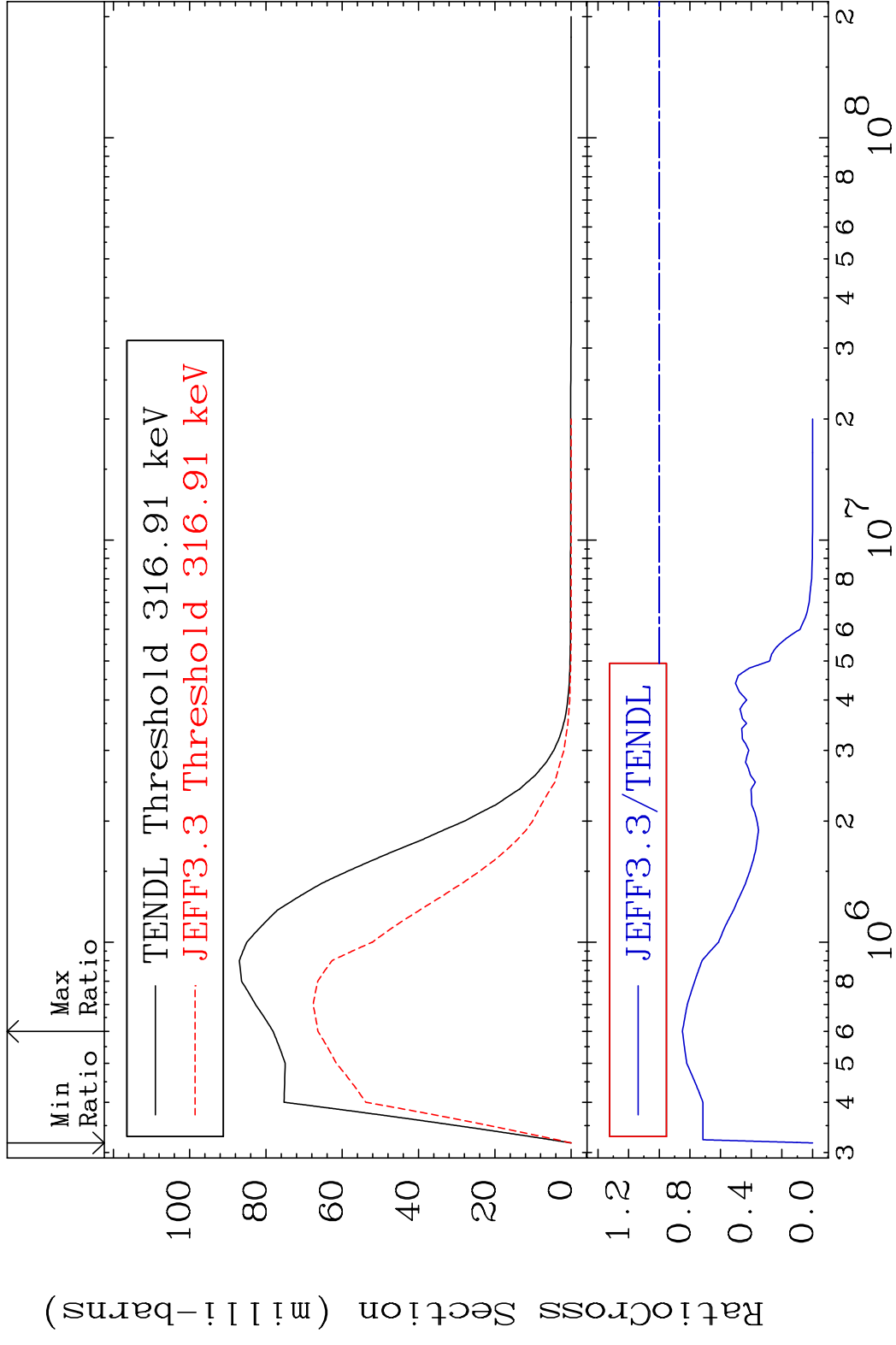
MAT 6640 MT= 59 (n, n') Level 66-Dy-161
 Cross Section -64.62 To -13.94%



MAT 6640 MT= 60 (n, n') Level 66-Dy-161
 Cross Section -100.0 To 2763. %

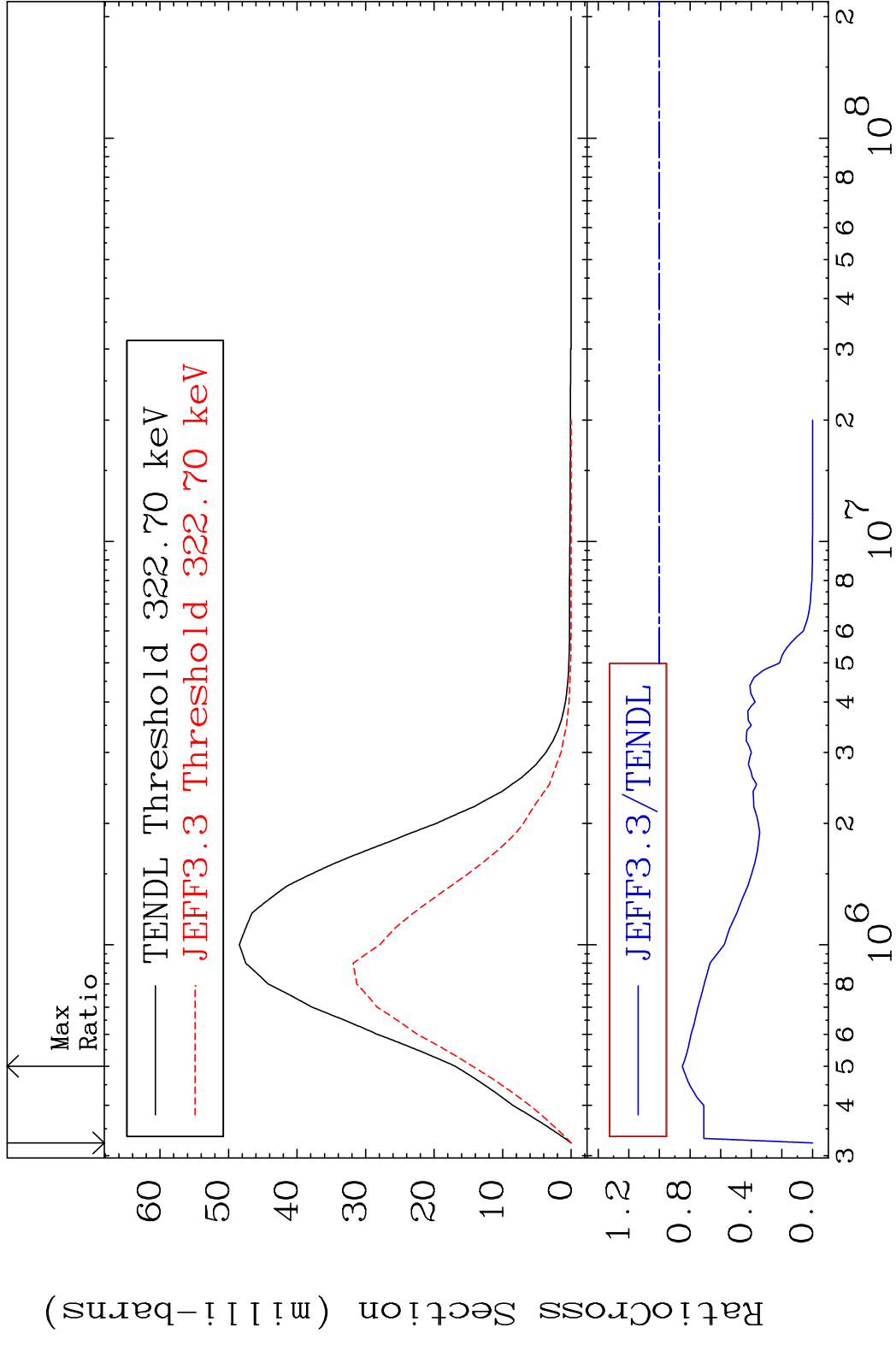


MAT 6640 MT= 61 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -15.06%

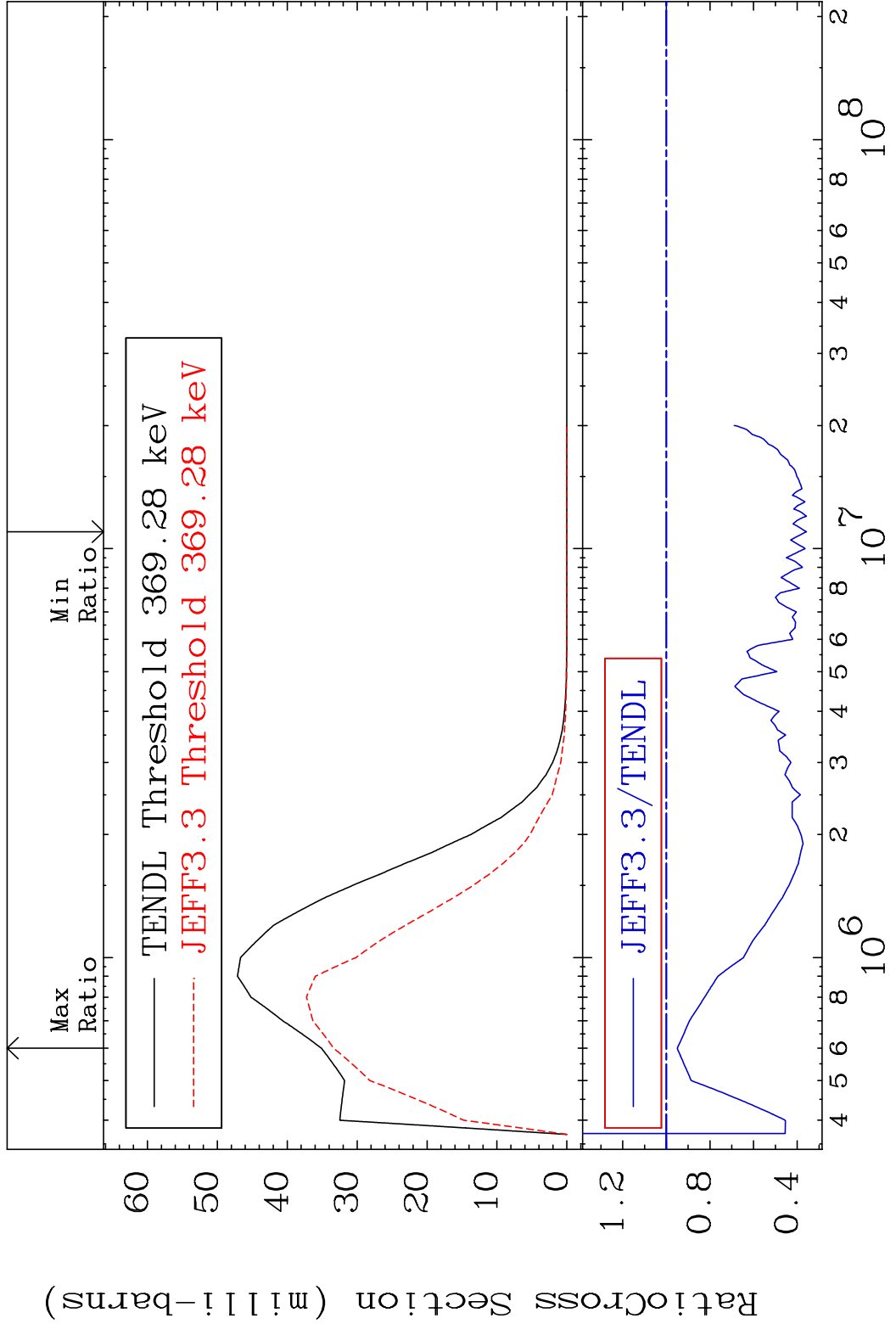


20 Incident Energy (eV) 66-Dy-161

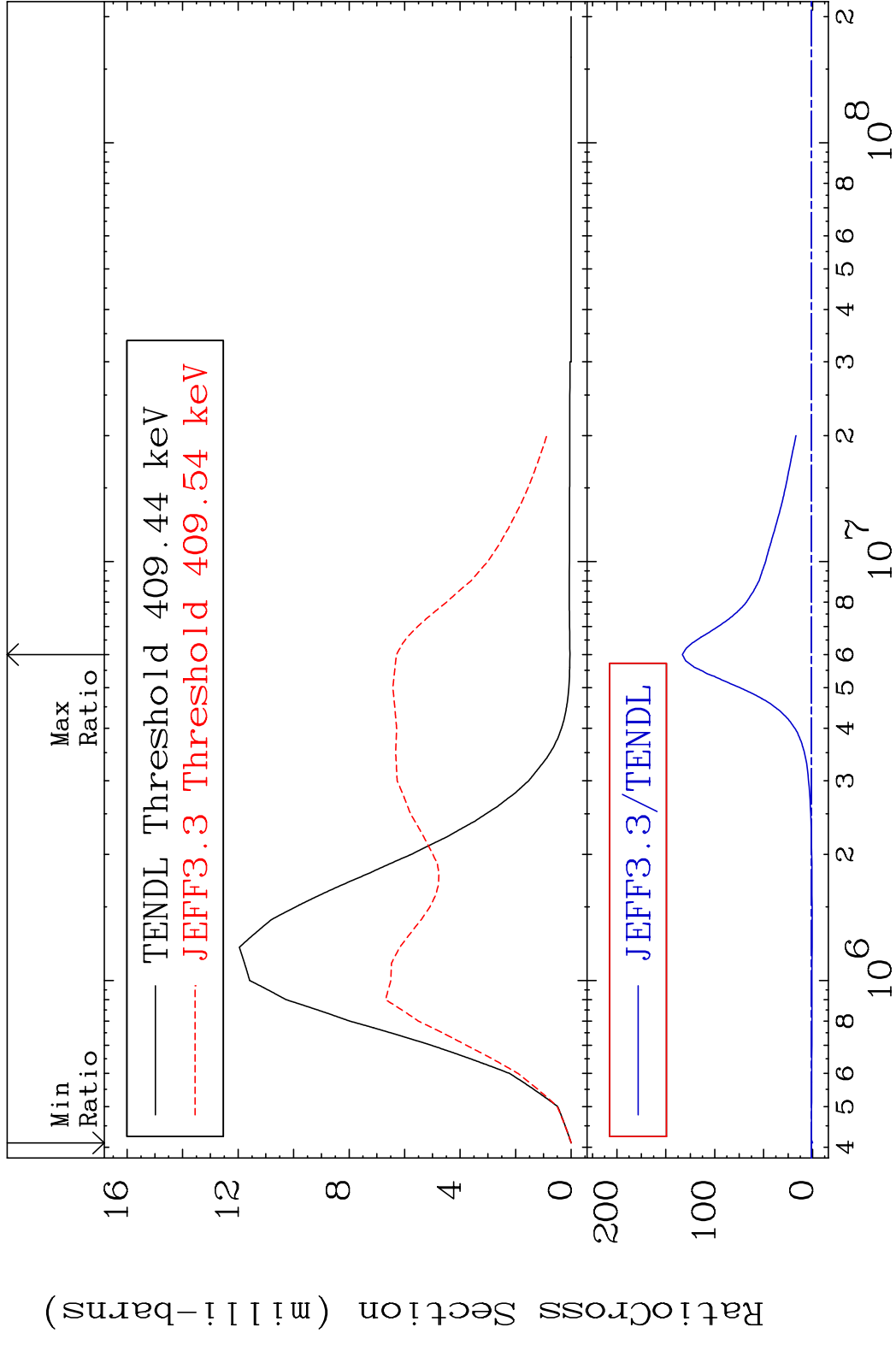
MAT 6640 MT= 62 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -14.97%



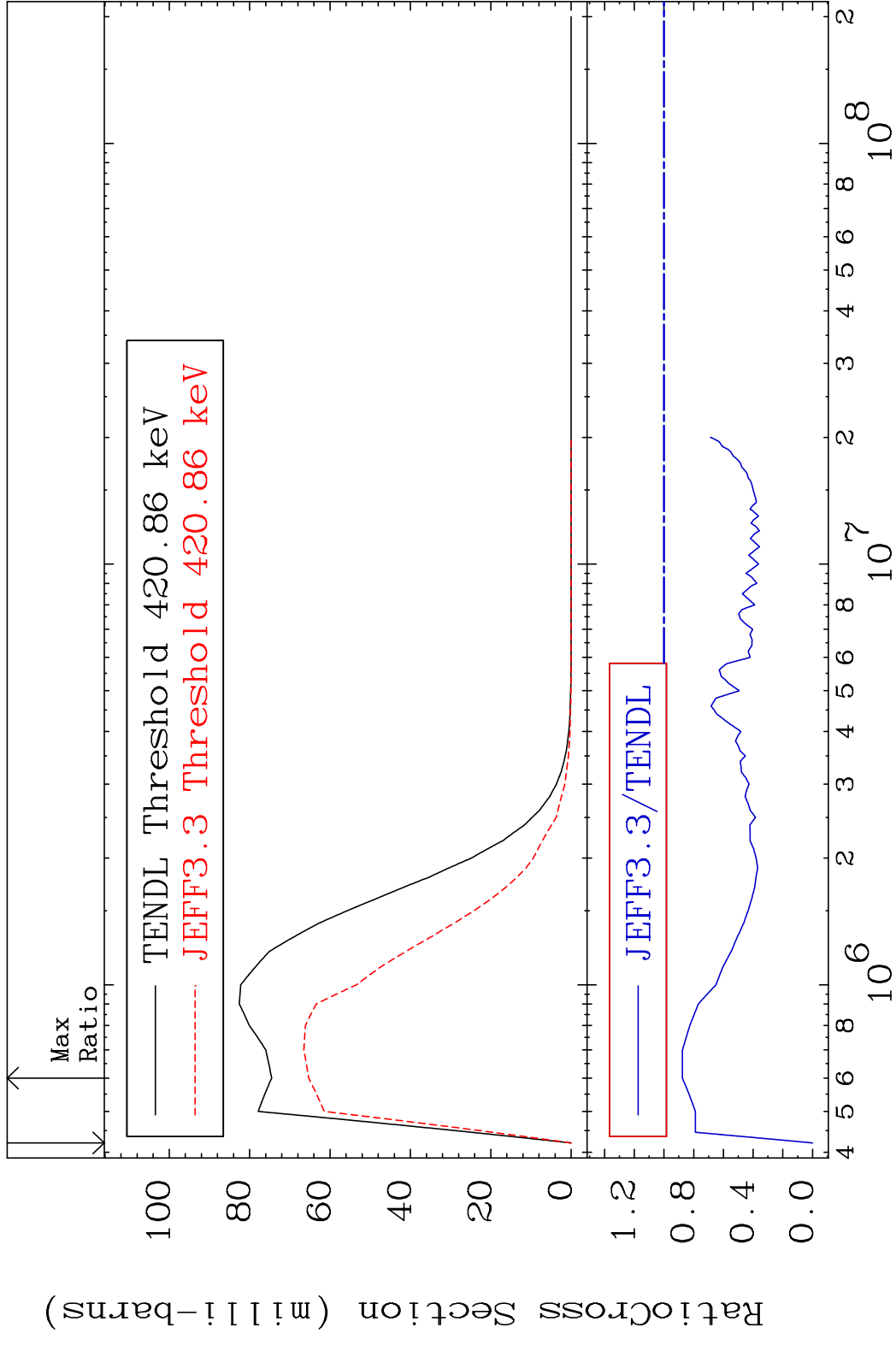
MAT 6640 MT= 63 (n, n') Level 66-Dy-161
 Cross Section -64.20 To -4.971%



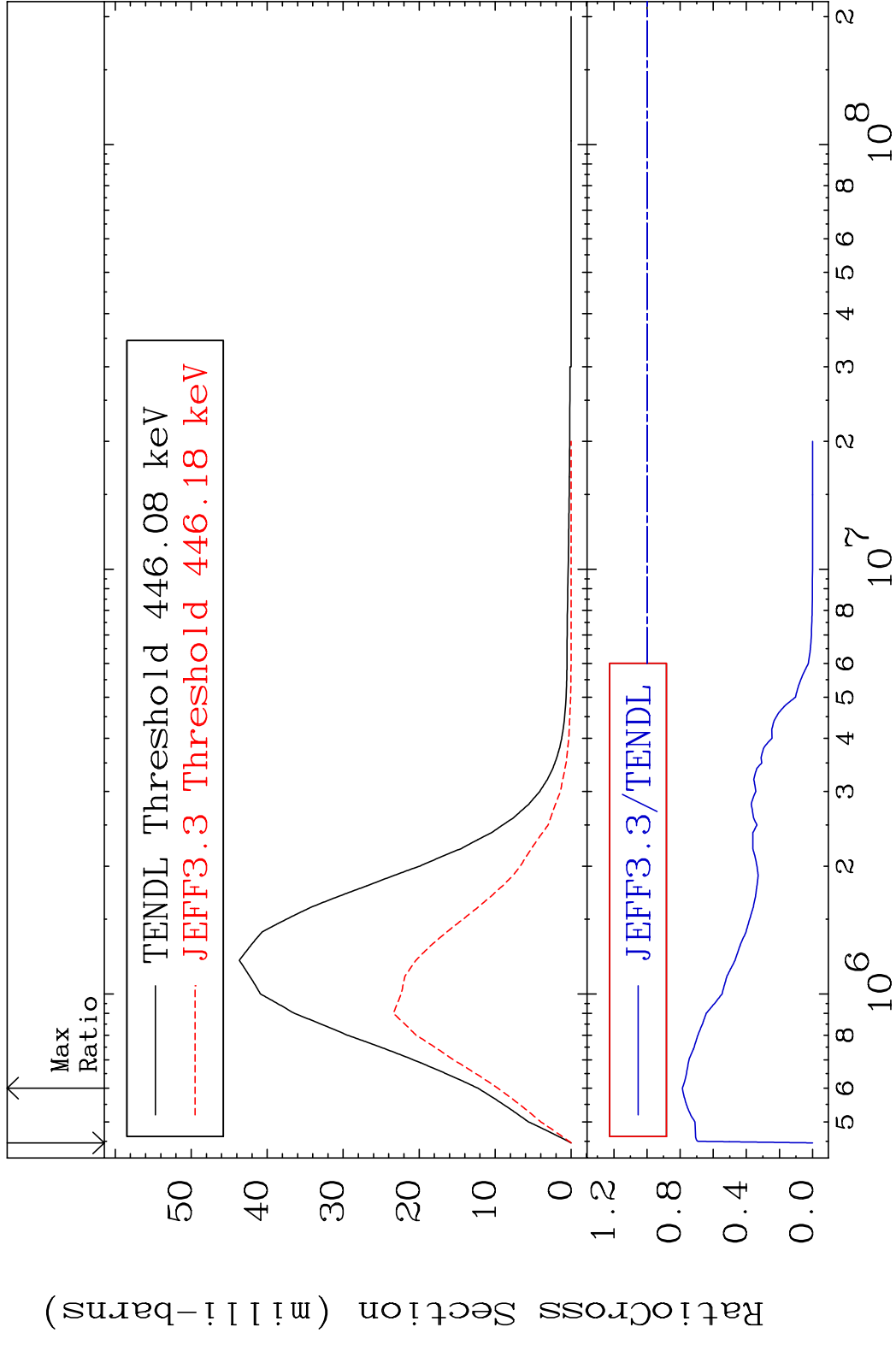
MAT 6640 MT= 64 (n, n') Level 66-Dy-161
 Cross Section -100.0 To 9999. %



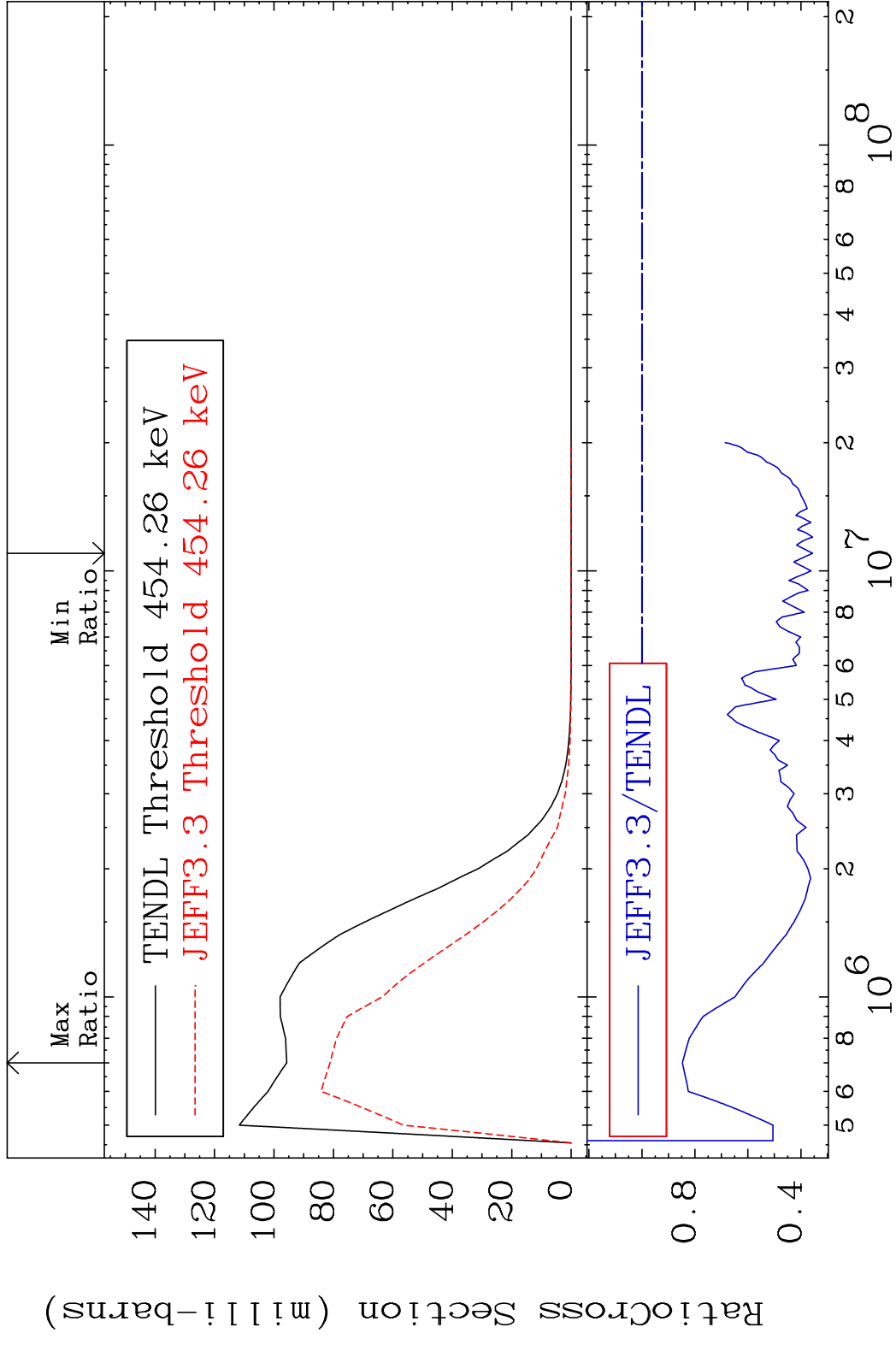
MAT 6640 MT= 65 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -12.37%



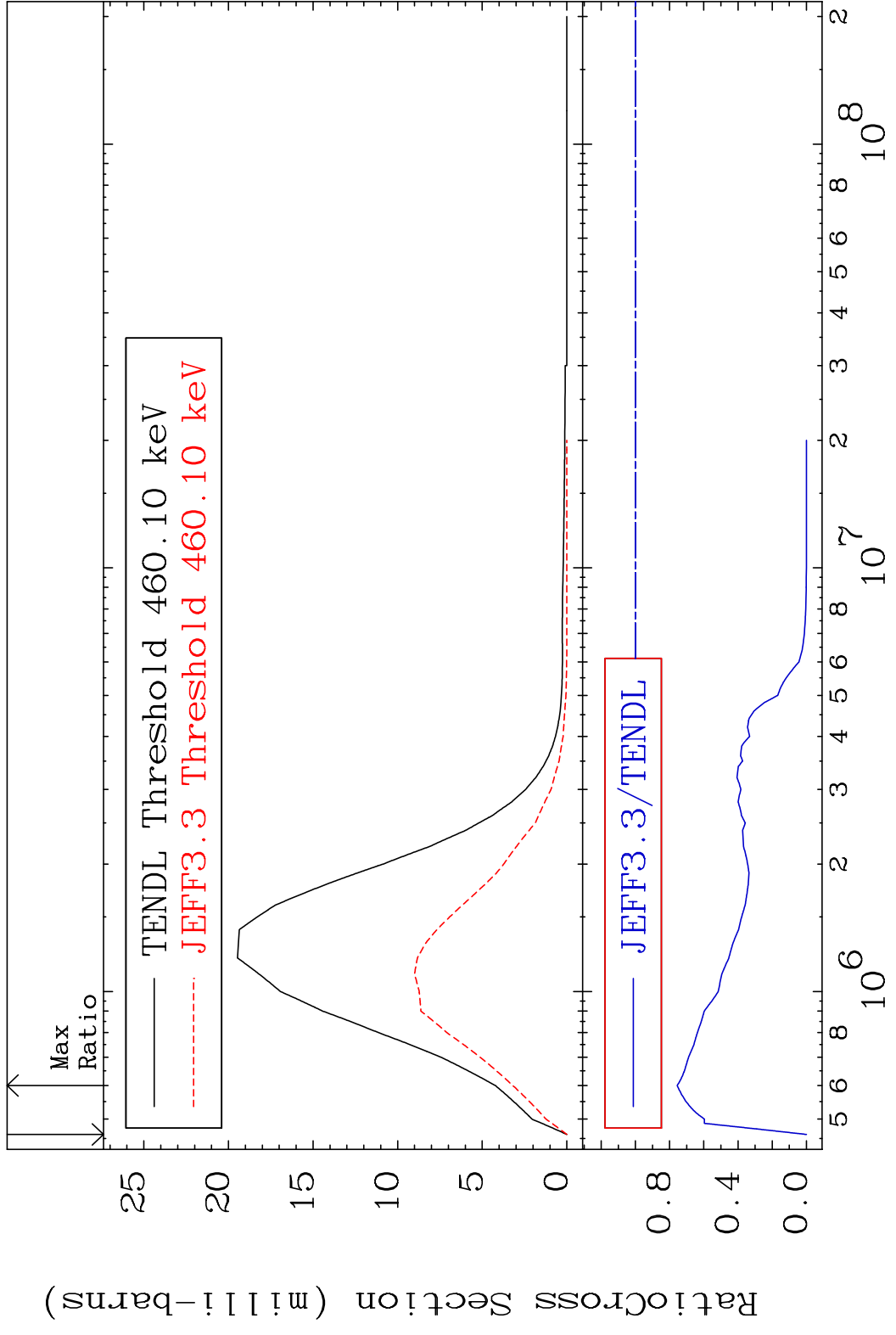
MAT 6640 MT= 66 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -21.37%



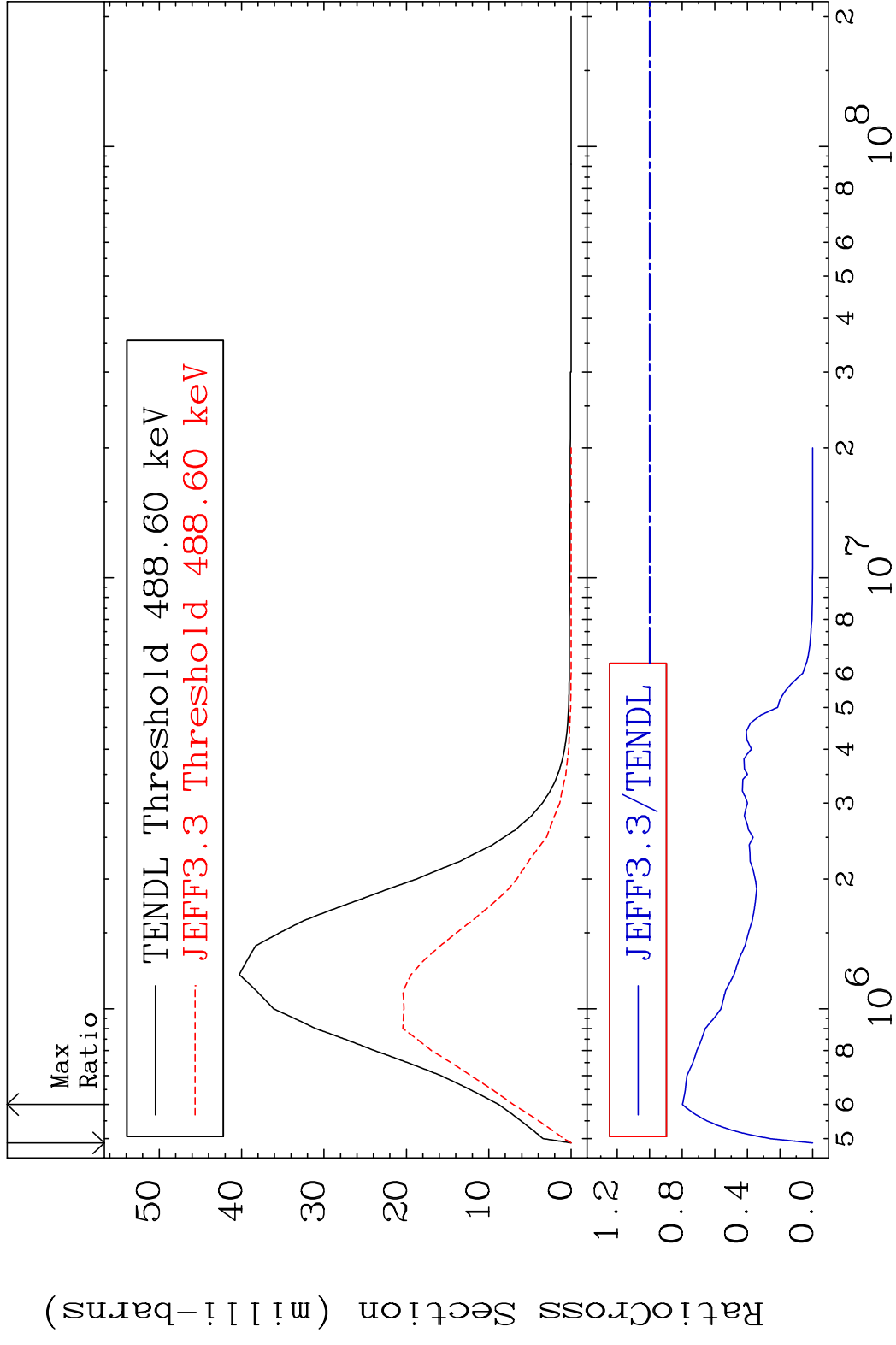
MAT 6640 MT= 67 (n, n') Level 66-Dy-161
 Cross Section -64.40 To -15.26%



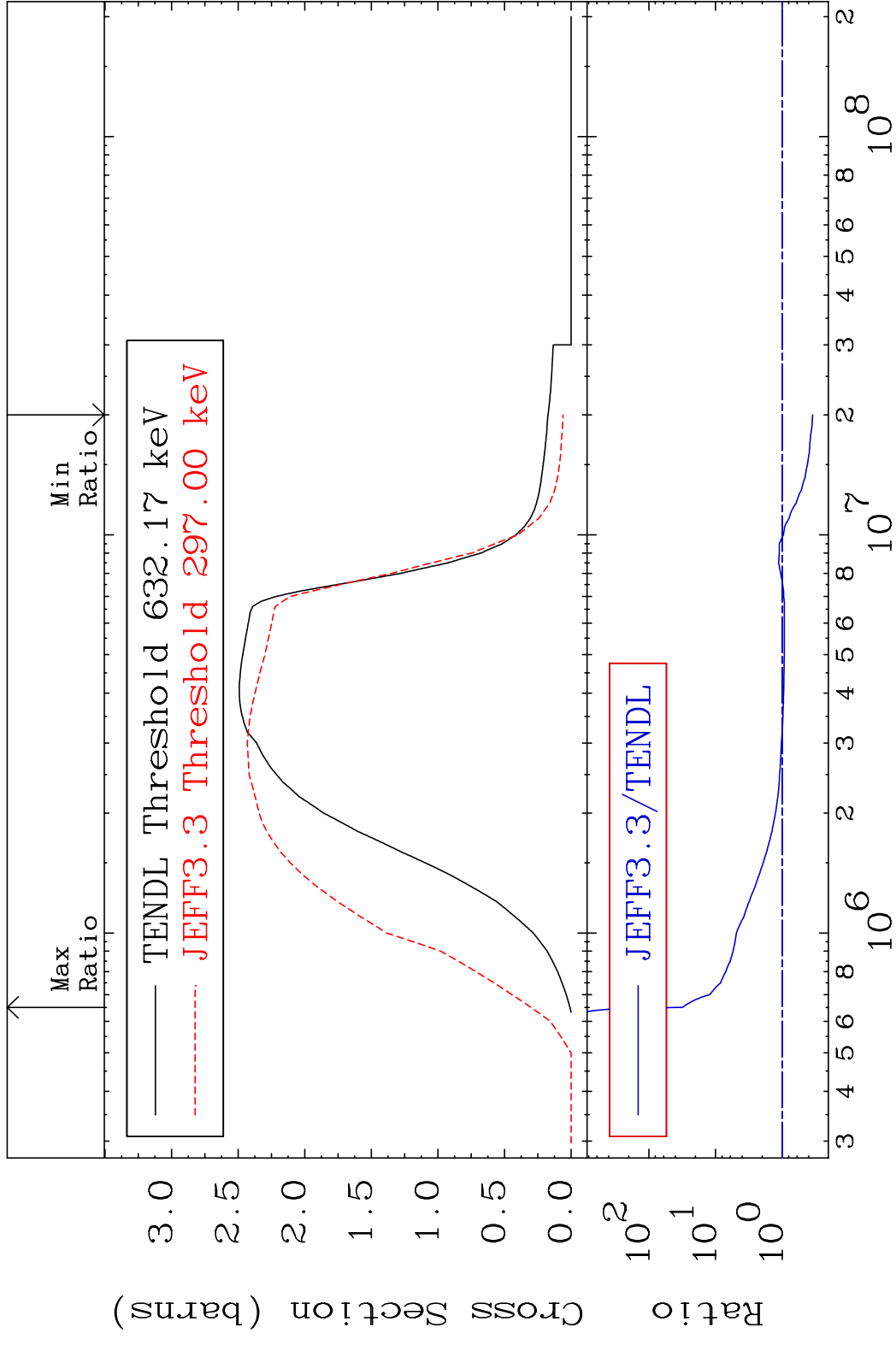
MAT 6640 MT= 68 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -24.43%



MAT 6640 MT= 69 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -20.08%



MAT 6640 (n, n') Continuum 66-Dy-161
 Cross Section -64.95 To 3041. %

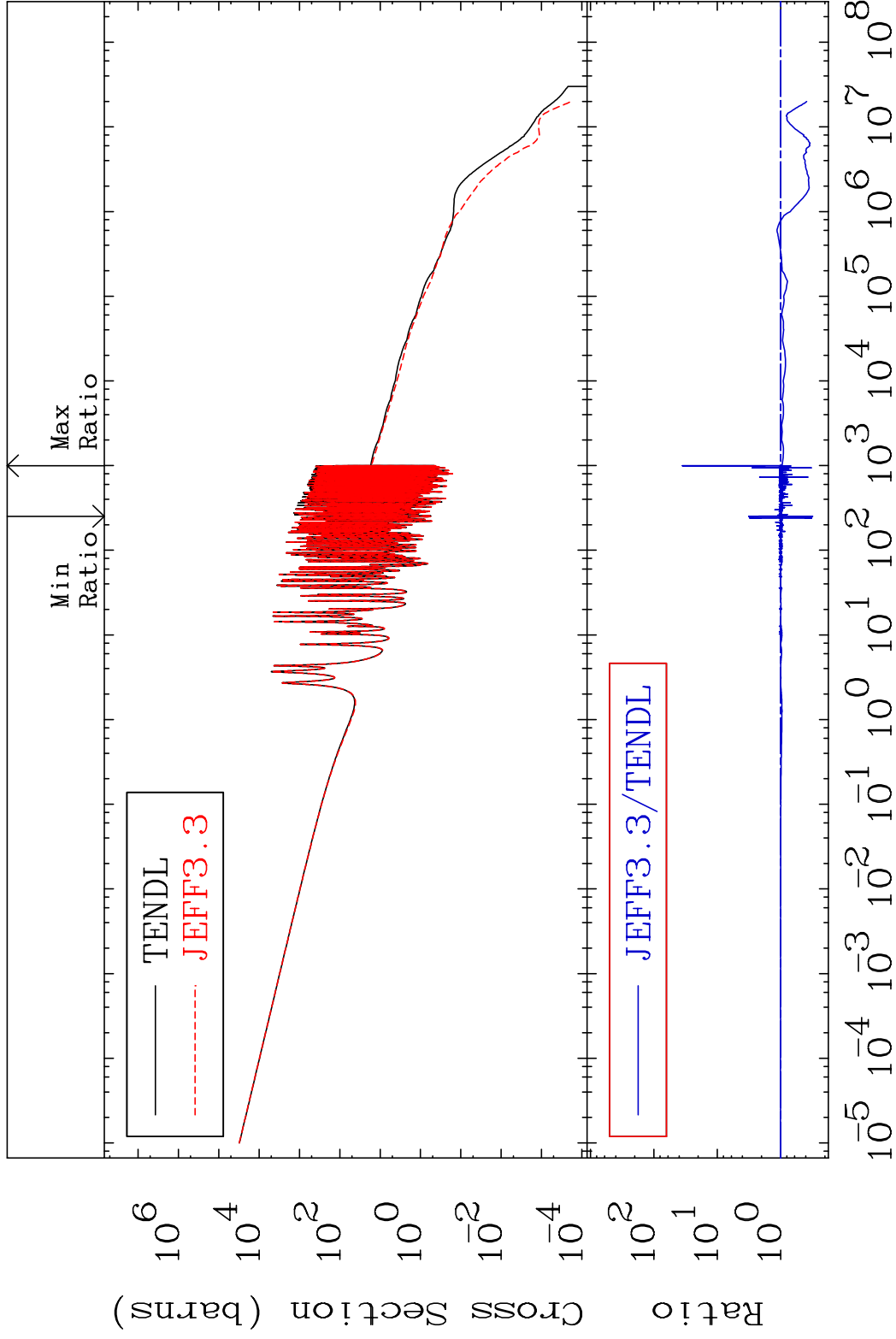


MAT 6640

(n, γ)

66-Dy-161

Cross Section -68.67 To 3455. %



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Incident Energy (eV)

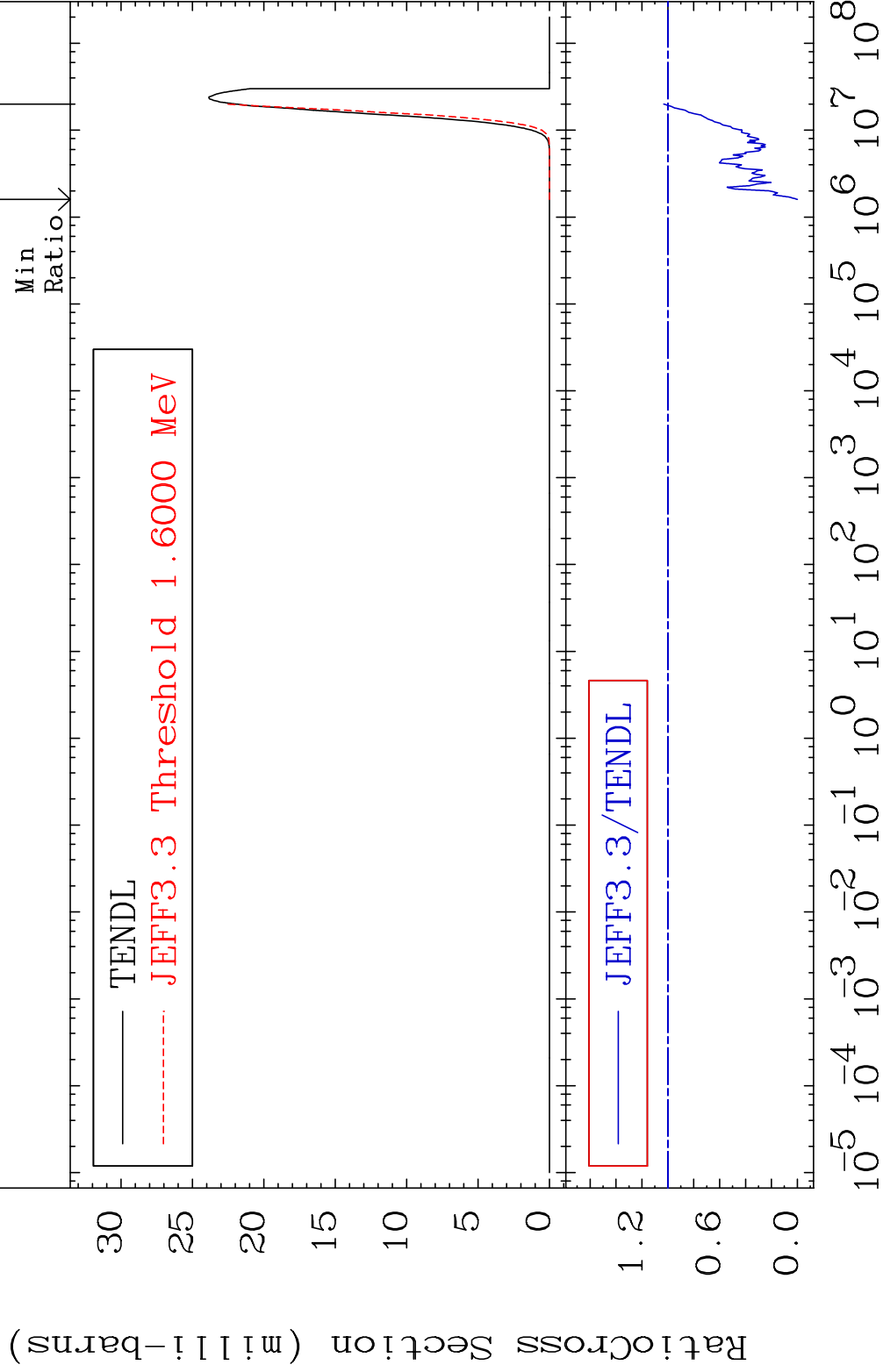
66-Dy-161

MAT 6640

(n, p)

66-Dy-161

Cross Section -100.0 To 3.208 %

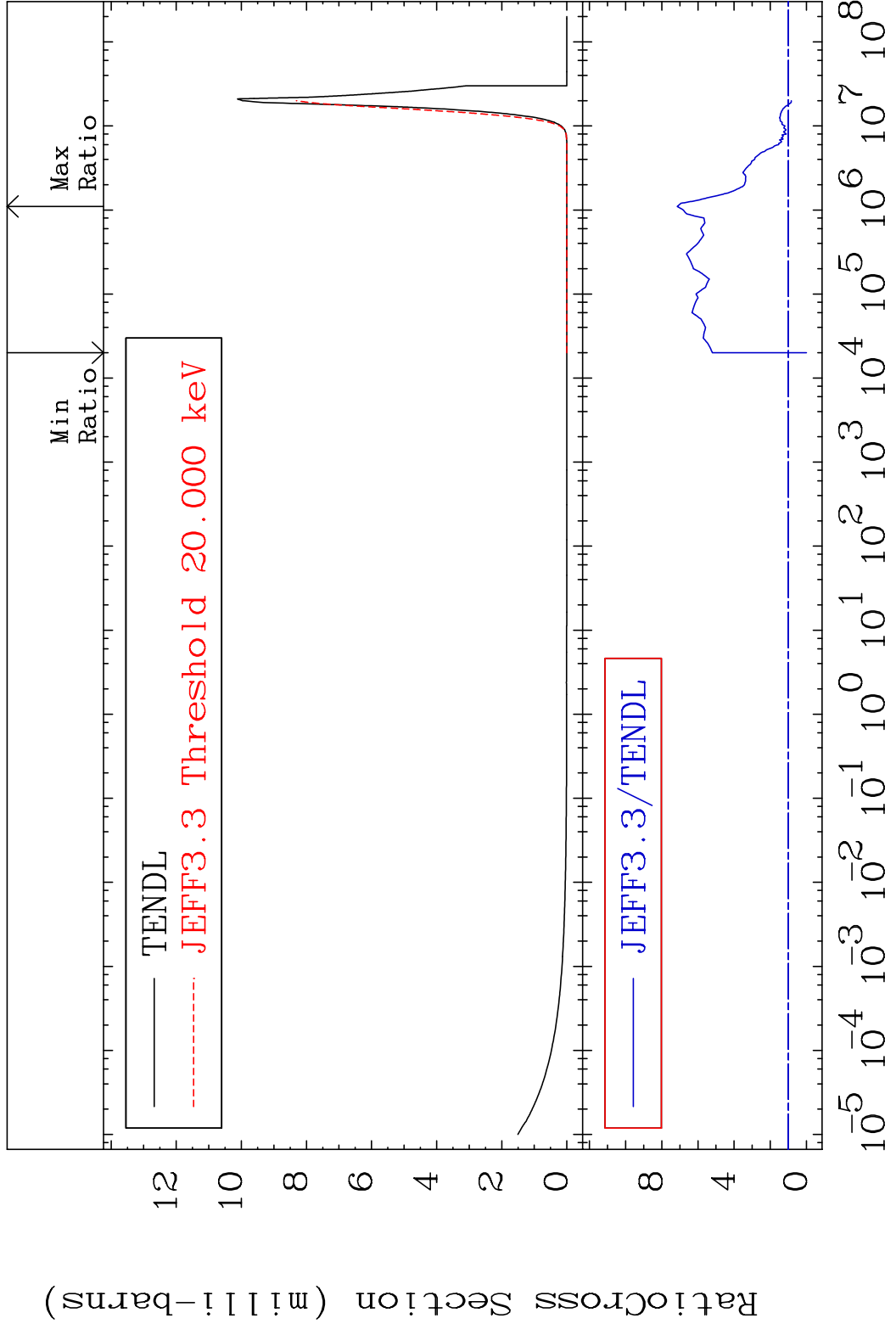


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Incident Energy (eV)

66-Dy-161

MAT 6640 (n, α) 66-Dy-161
 Cross Section -100.0 To 614.9 %

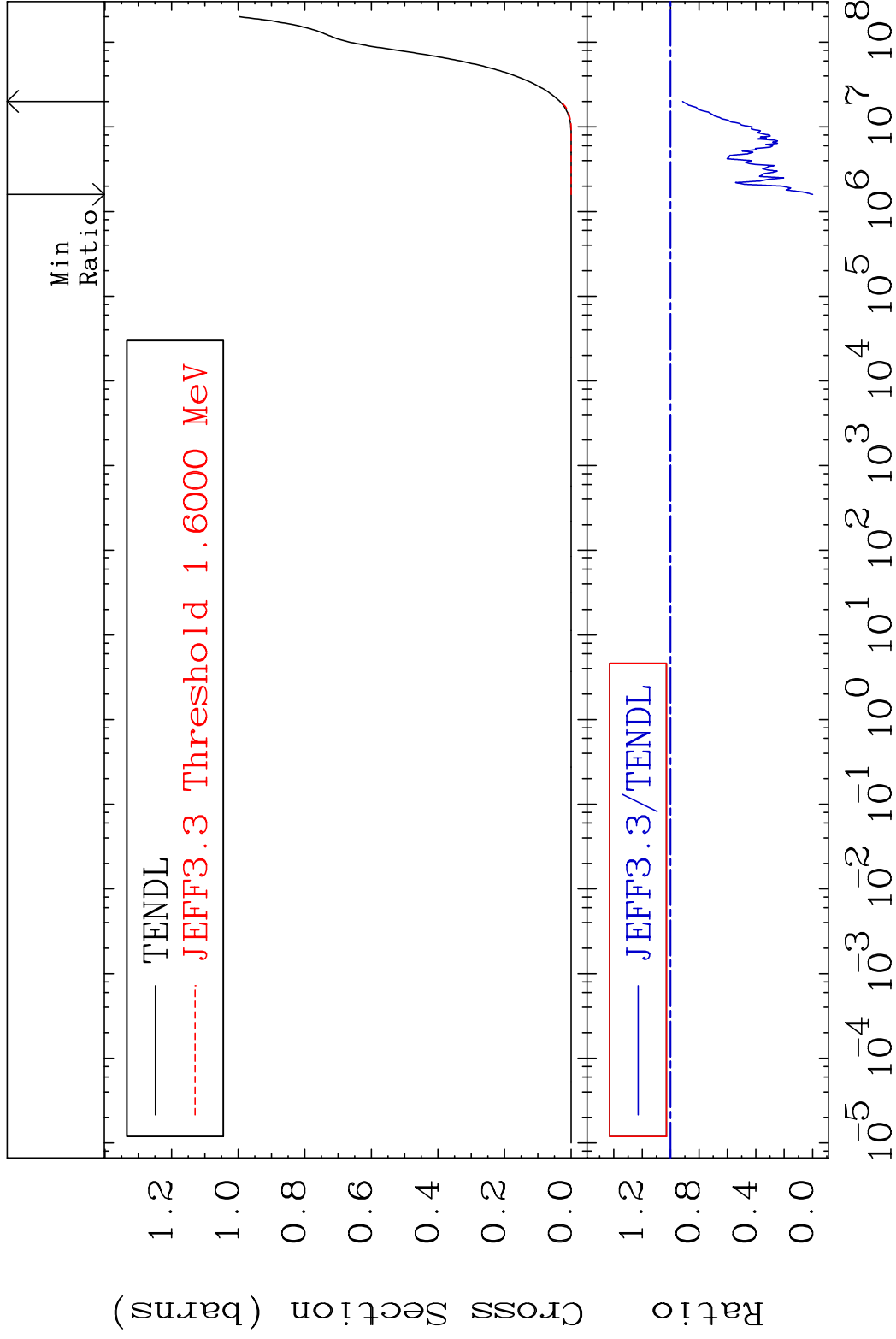


MAT 6640

Hydrogen Production

66-Dy-161

Cross Section -100.0 To -8.266%



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Incident Energy (eV)

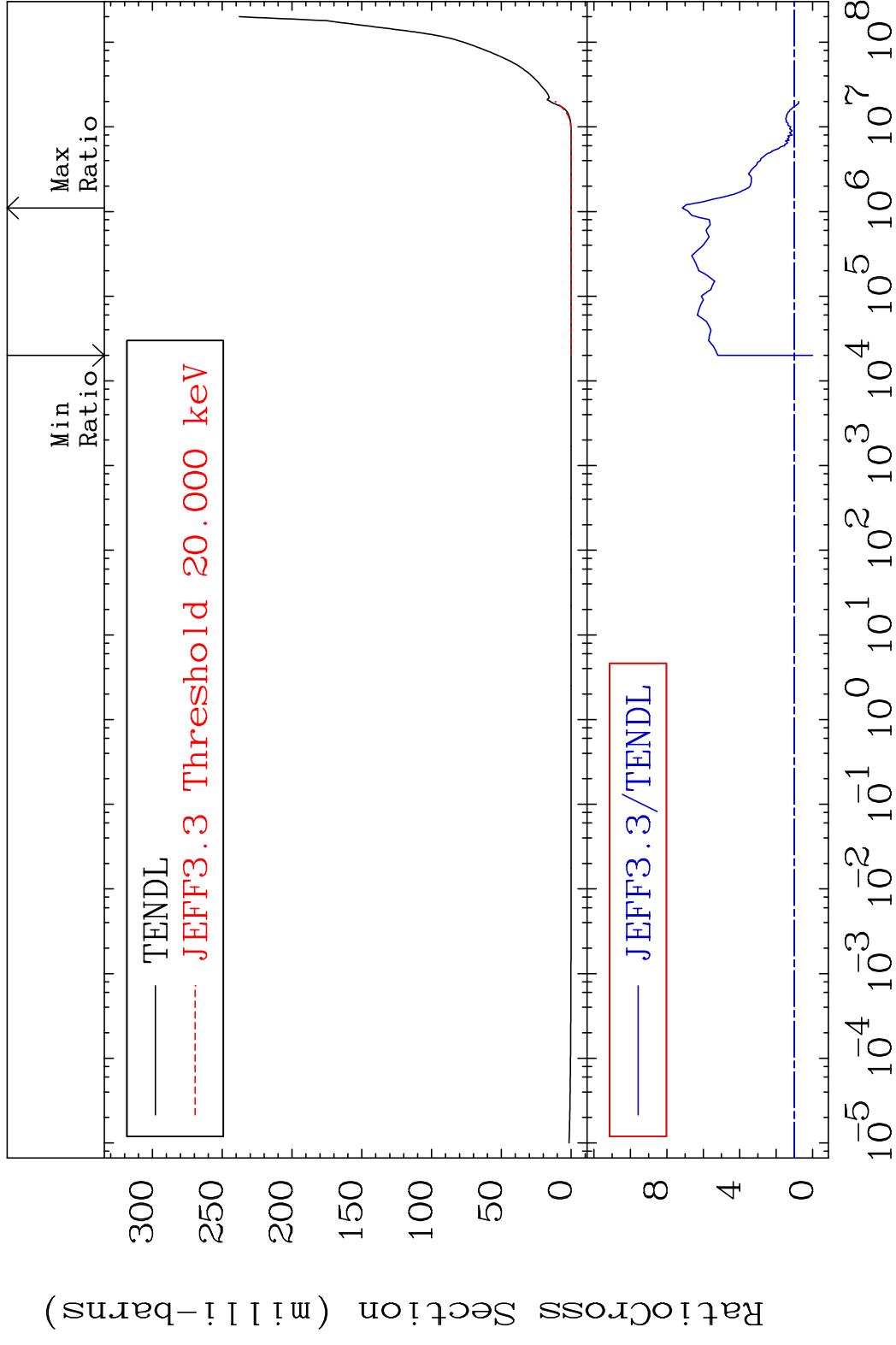
66-Dy-161

MAT 6640

He-4 Production

66-Dy-161

Cross Section -100.0 To 614.9 %

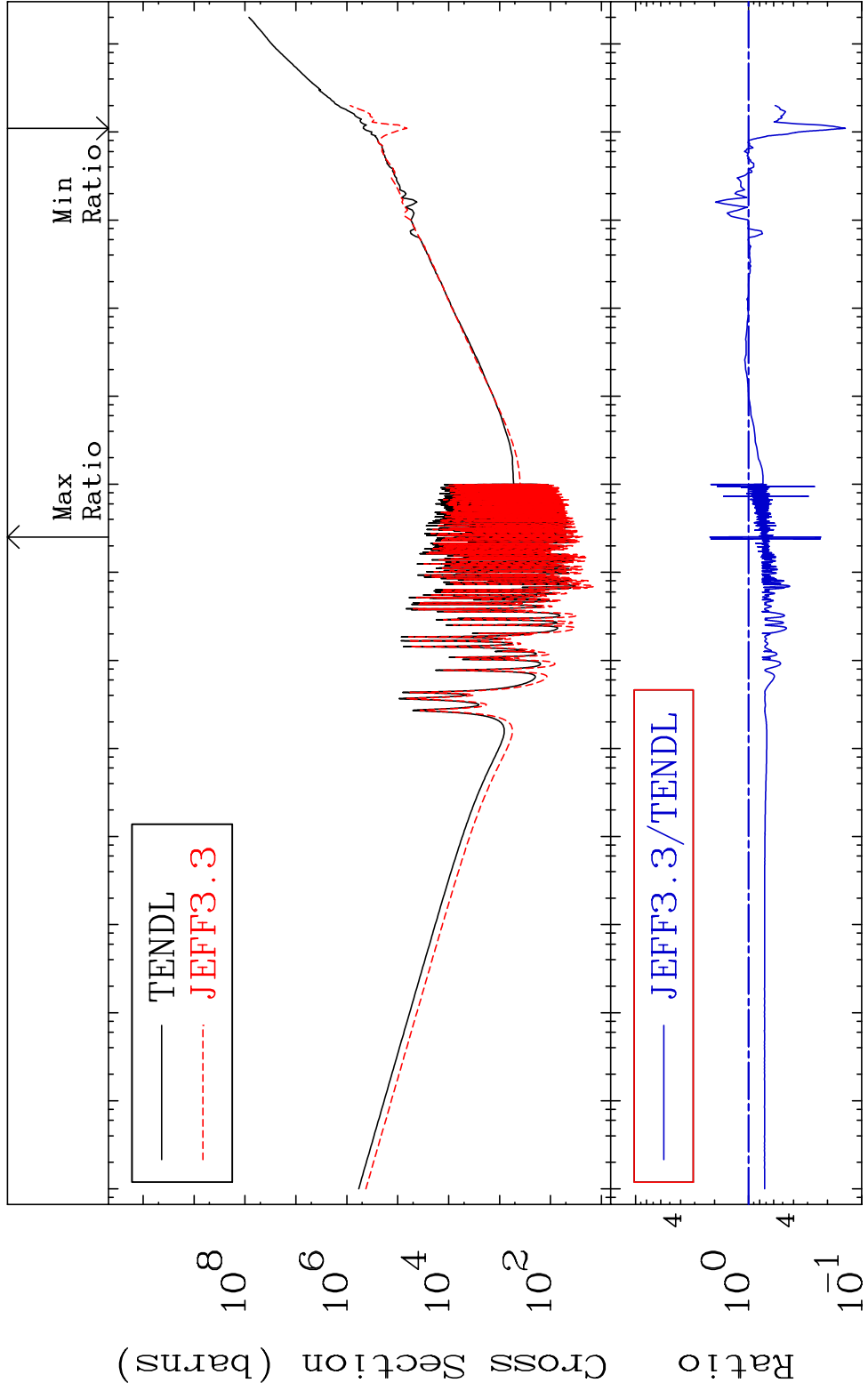


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Incident Energy (eV)

66-Dy-161

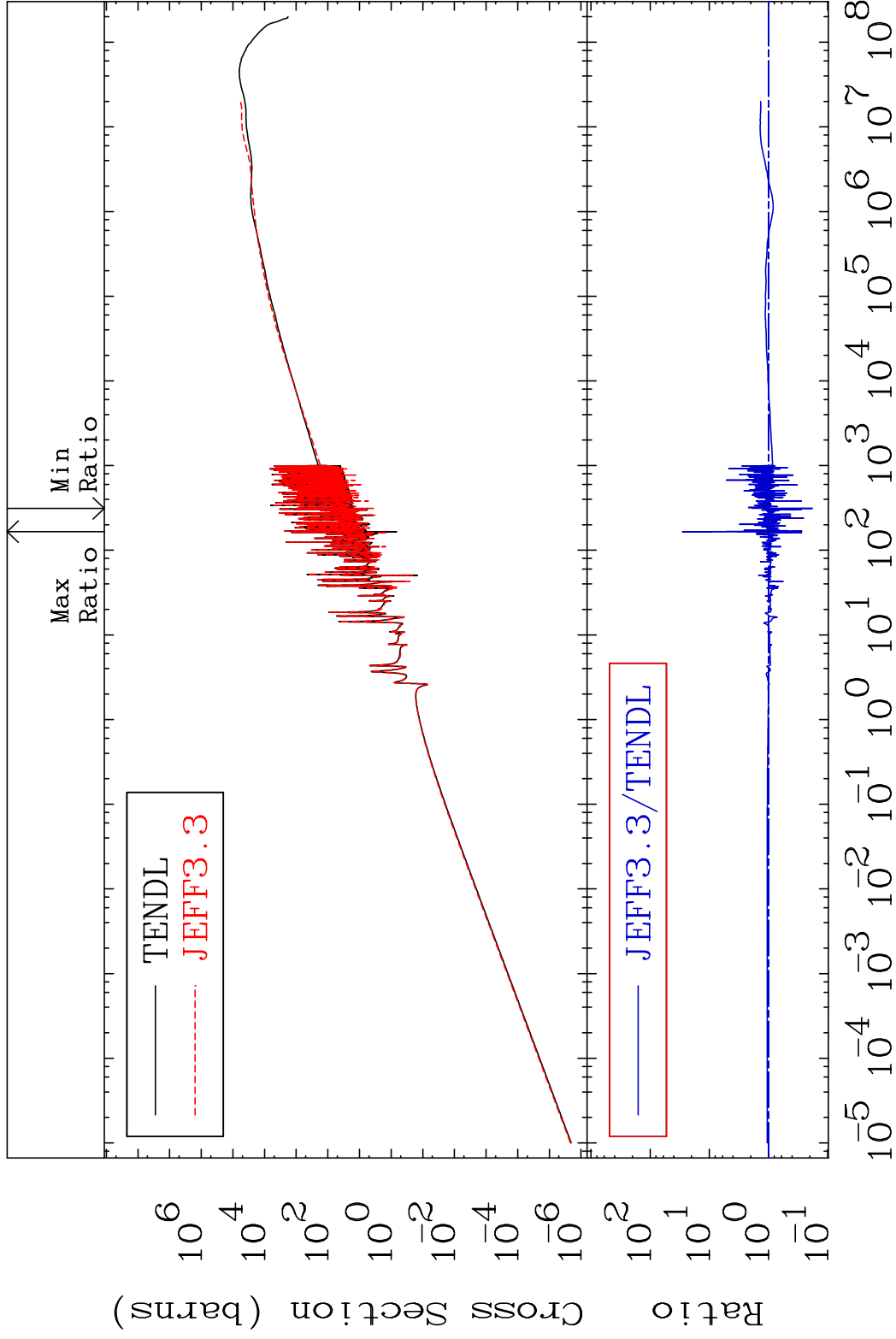
MAT 6640 Kerma total (eV-barns) 66-Dy-161
 Cross Section -86.05 To 120.6 %



35 Incident Energy (eV) 66-Dy-161

MAT 6640

Kerma elastic Cross Section -81.95 To 2764. %
66-Dy-161

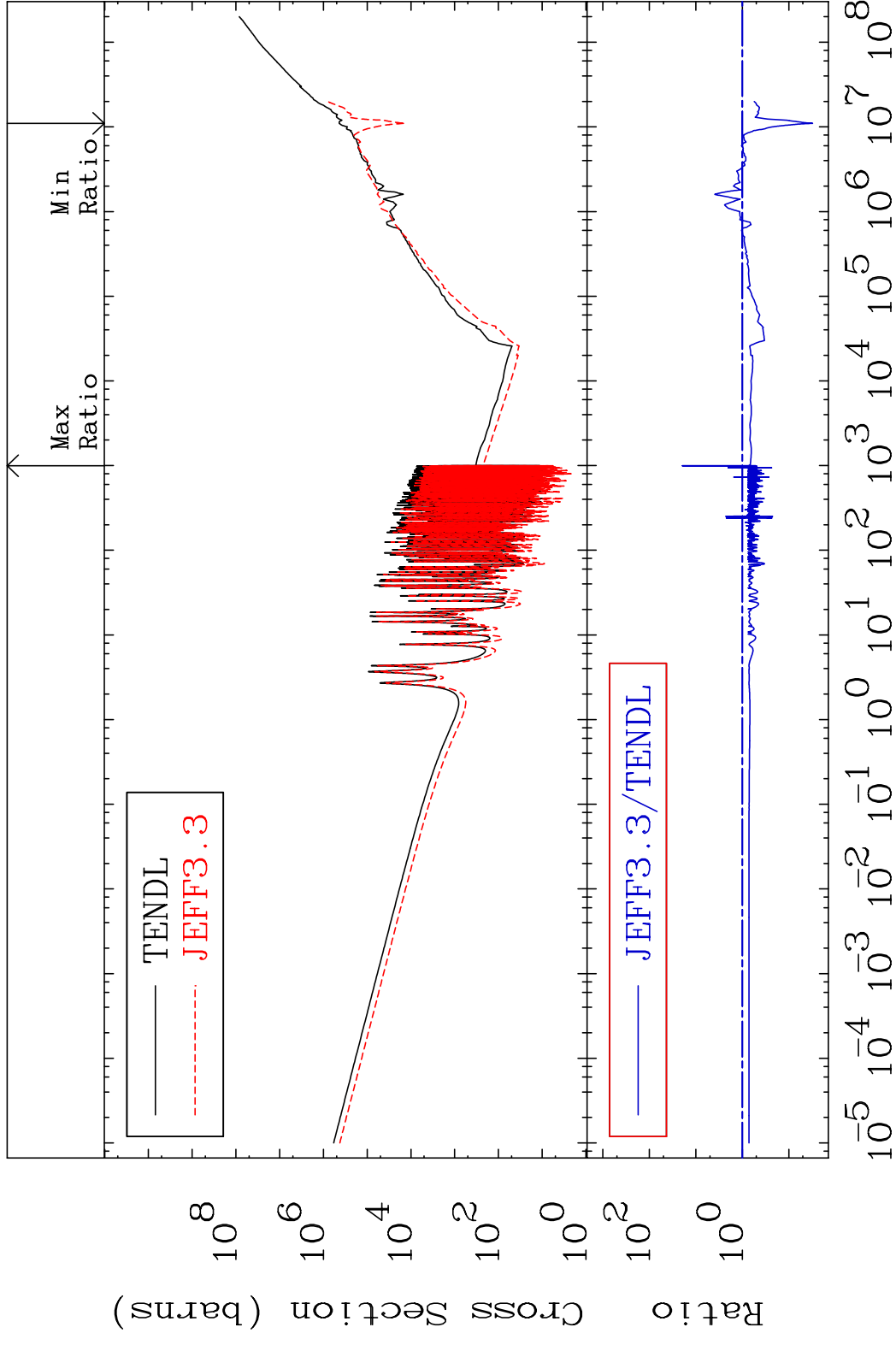


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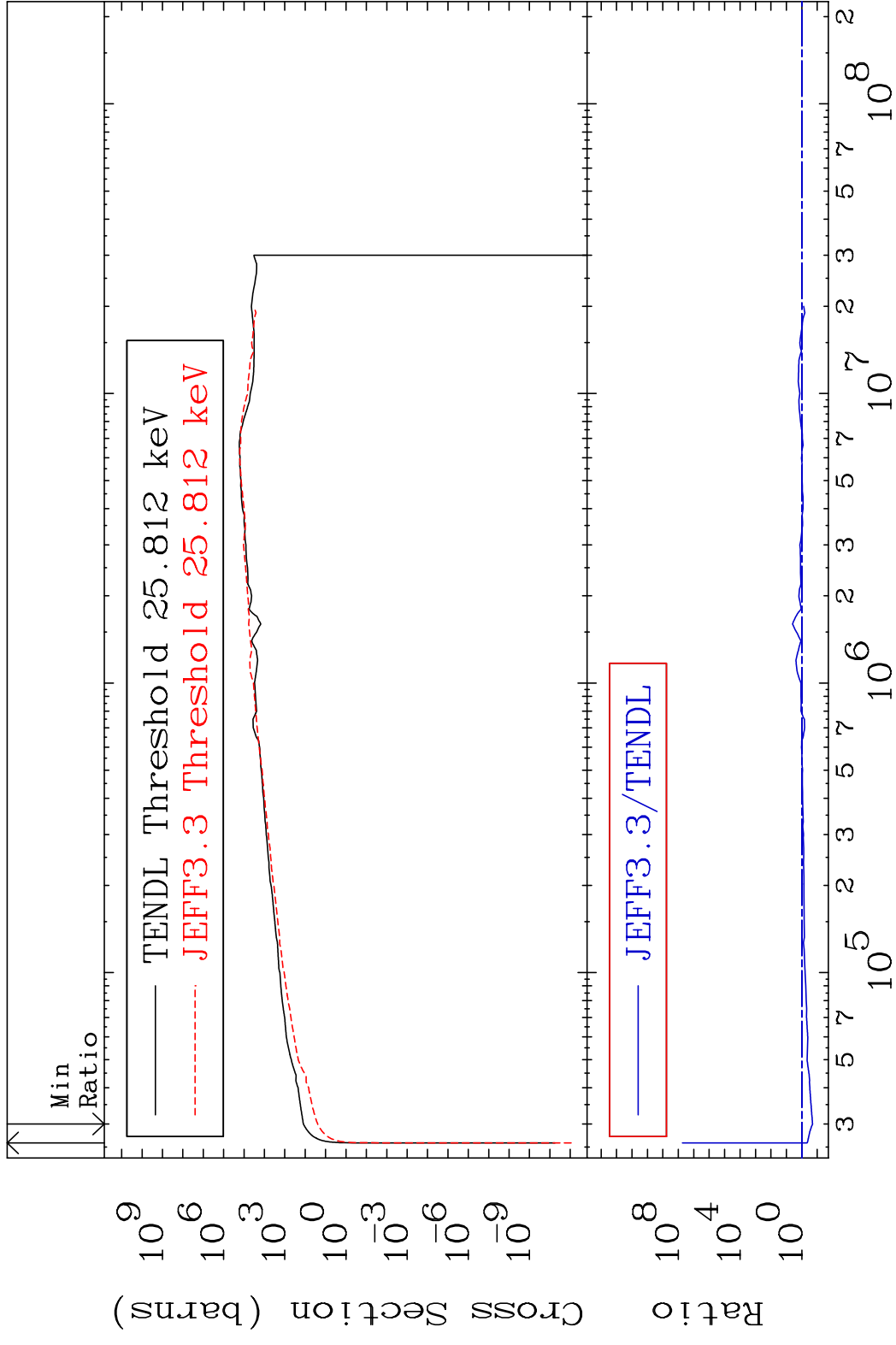
Incident Energy (eV)

66-Dy-161

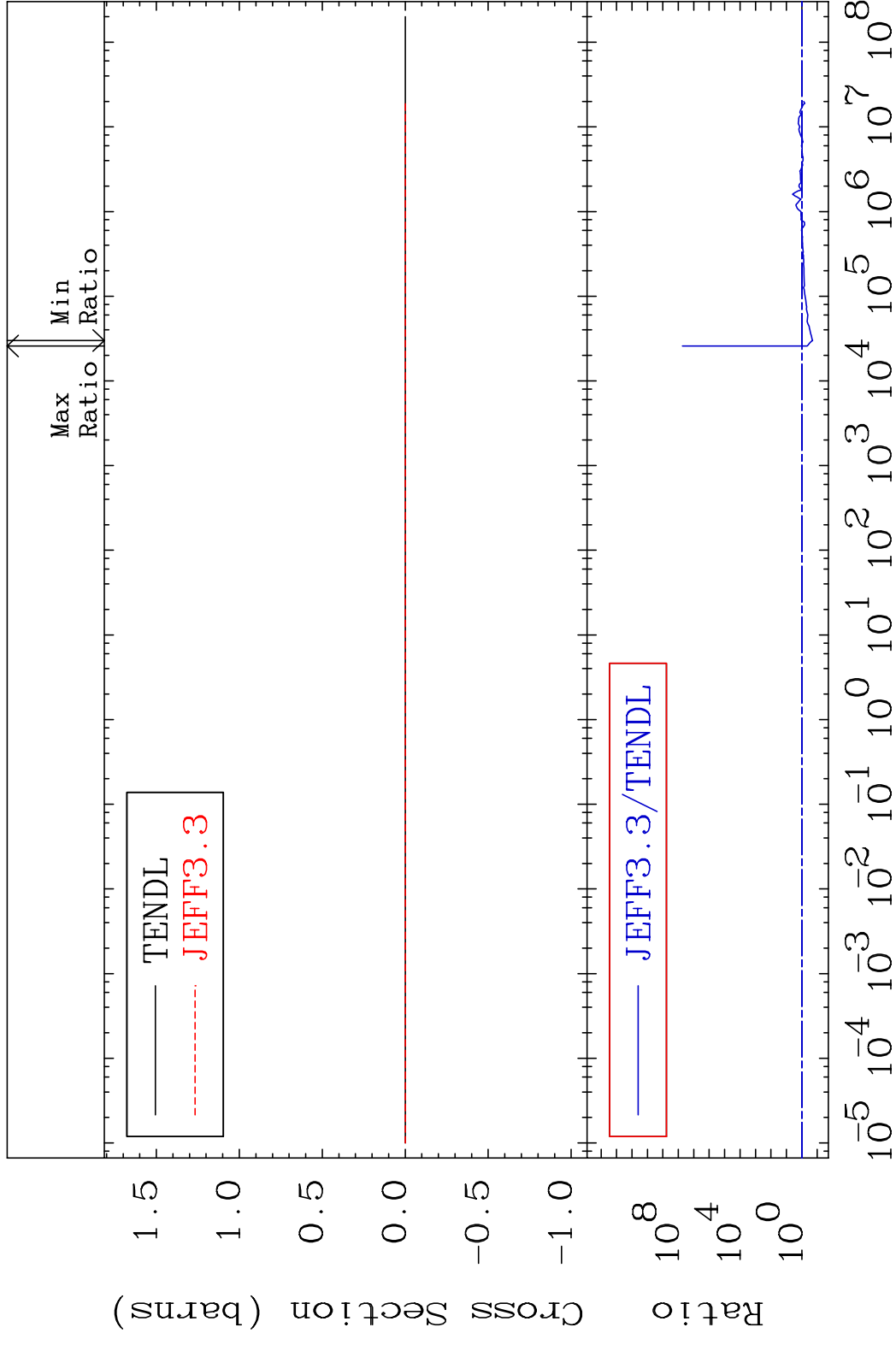
MAT 6640 Kerma non-elastic (all but mt2) 66-Dy-161
 Cross Section -96.90 To 1853. %



MAT 6640 Kerma inelastic (mt51-91) 66-Dy-161
 Cross Section -79.88 To 9999. %

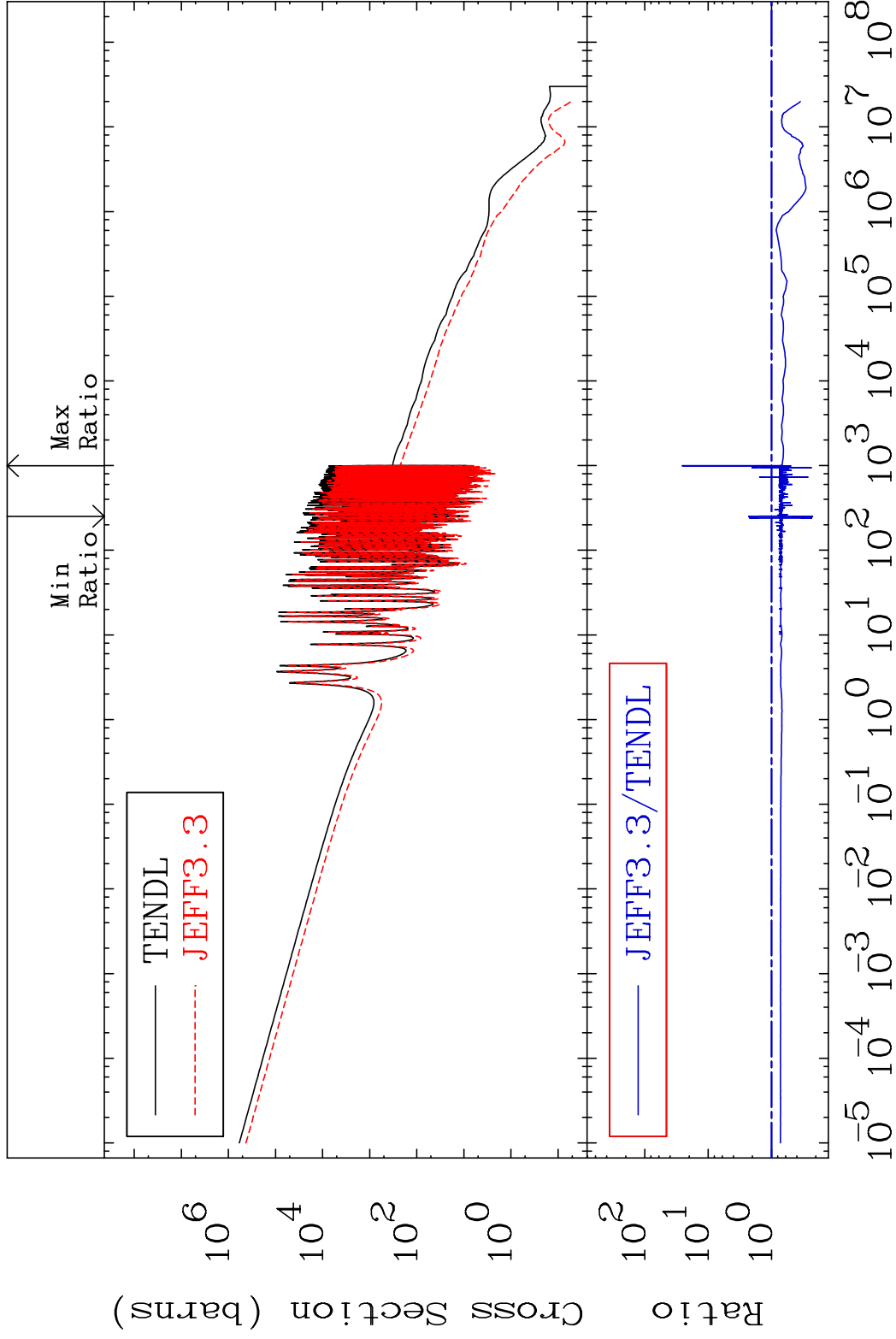


MAT 6640 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-161
 Cross Section -79.88 To 9999. %



MAT 6640

Kerma capture (mt102) 66-Dy-161
Cross Section -77.46 To 2458. %



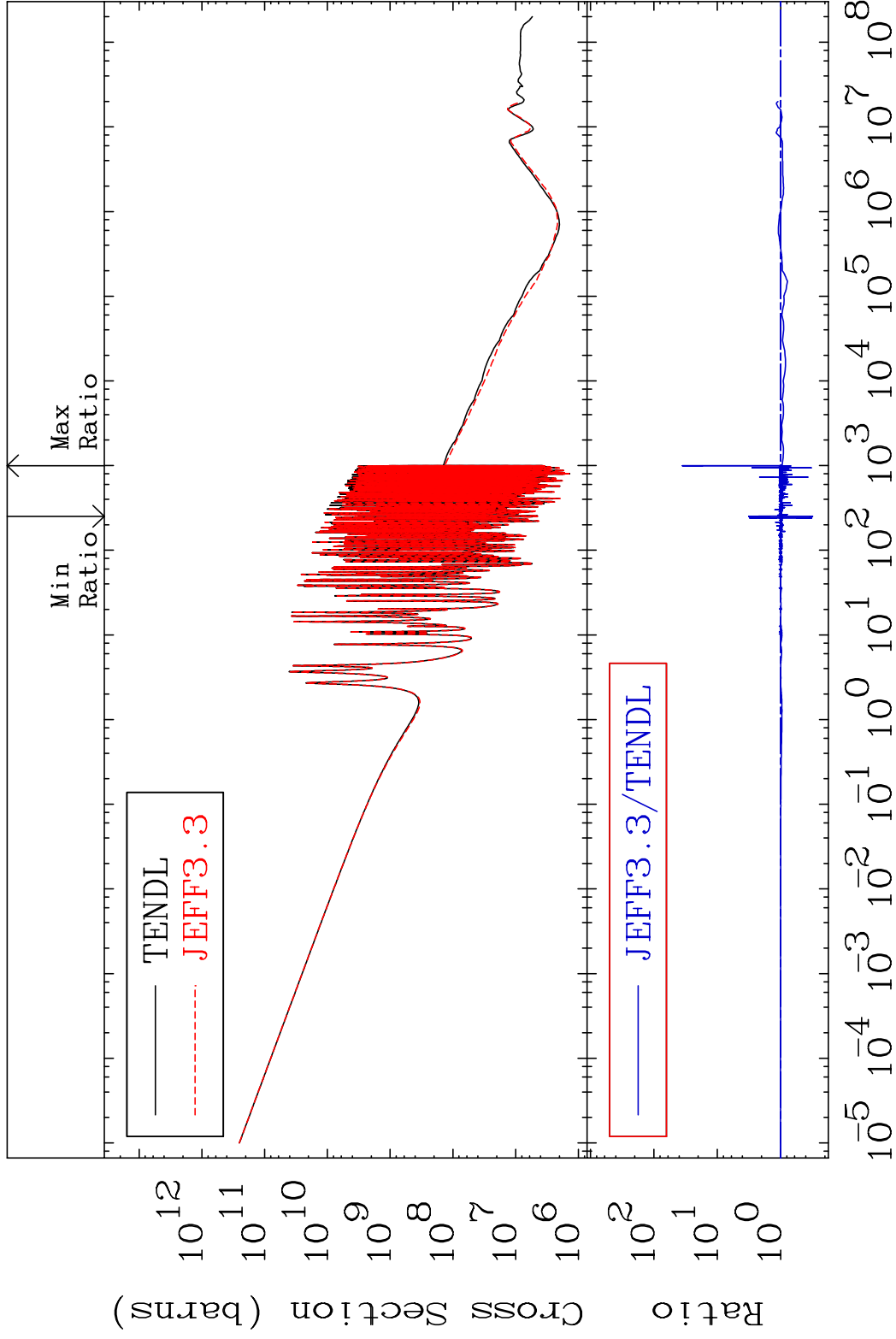
40

Incident Energy (eV)

66-Dy-161

MAT 6640

Total photon (eV-barns) 66-Dy-161
Cross Section -68.67 To 3455. %

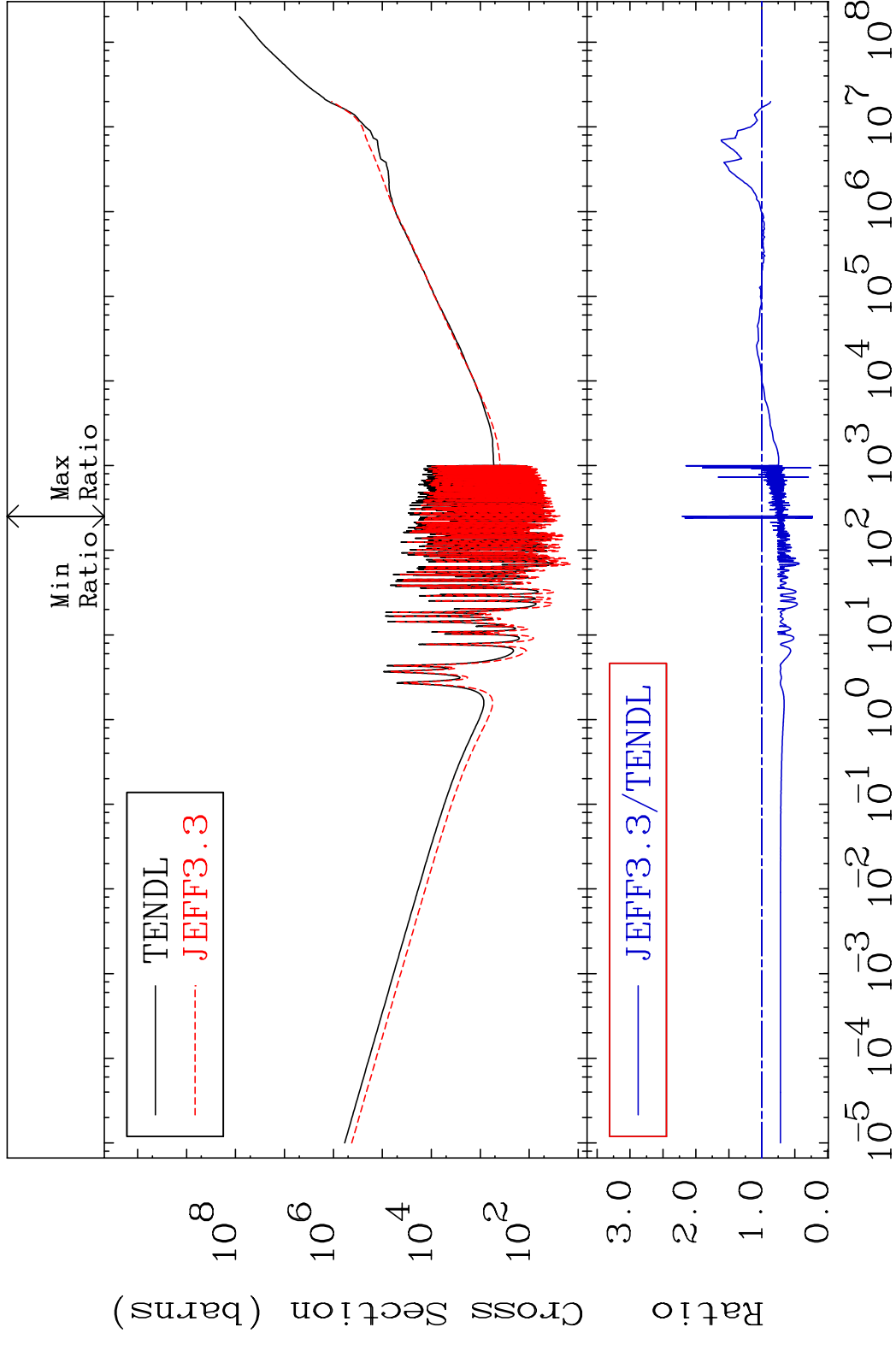


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Incident Energy (eV)

66-Dy-161

MAT 6640 Total kinematic kerma (high limit) 66-Dy-161
Cross Section -77.04 To 120.6 %

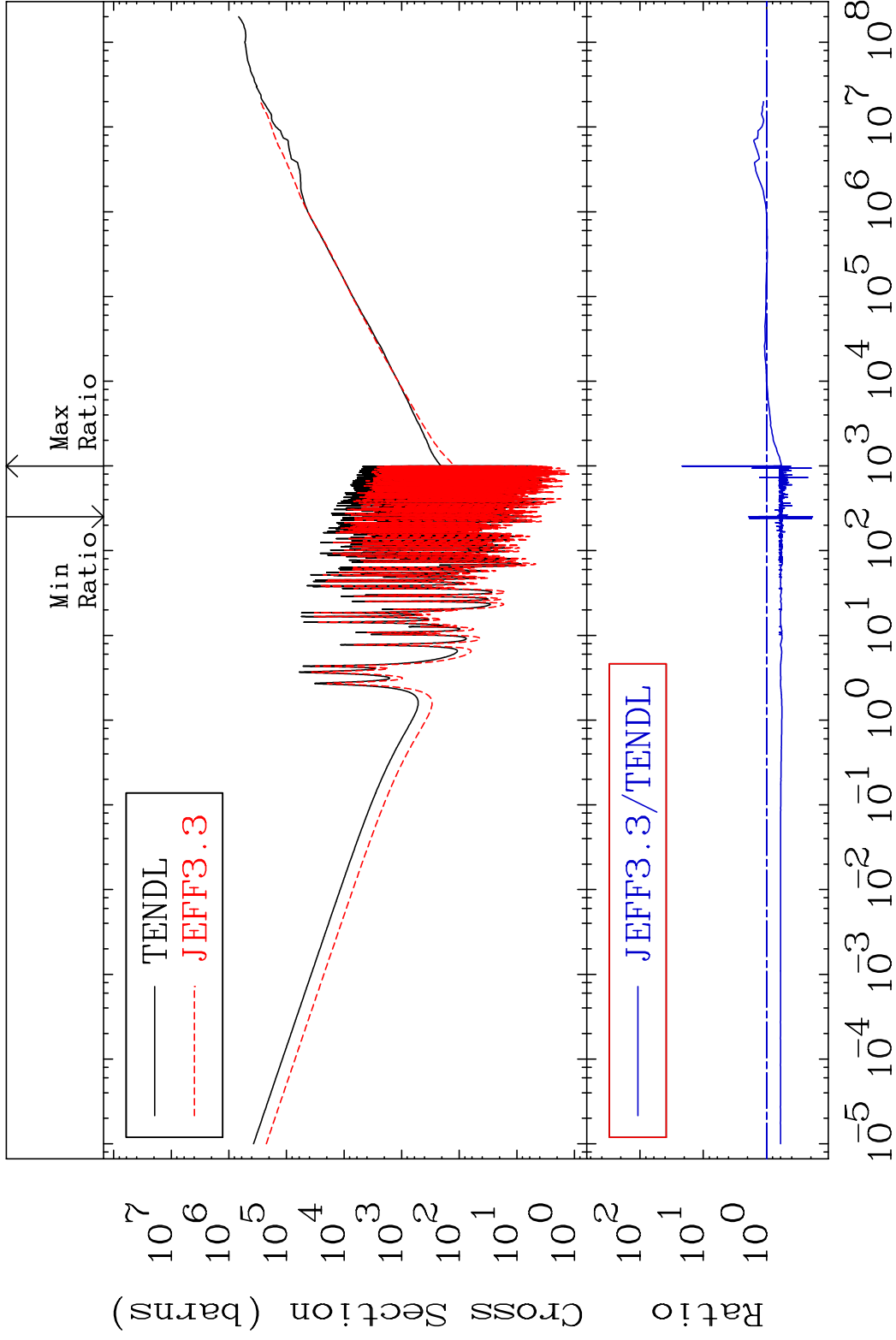


MAT 6640

Dpa total (eV-barns)

66-Dy-161

Cross Section -81.16 To 2050. %



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Incident Energy (eV)

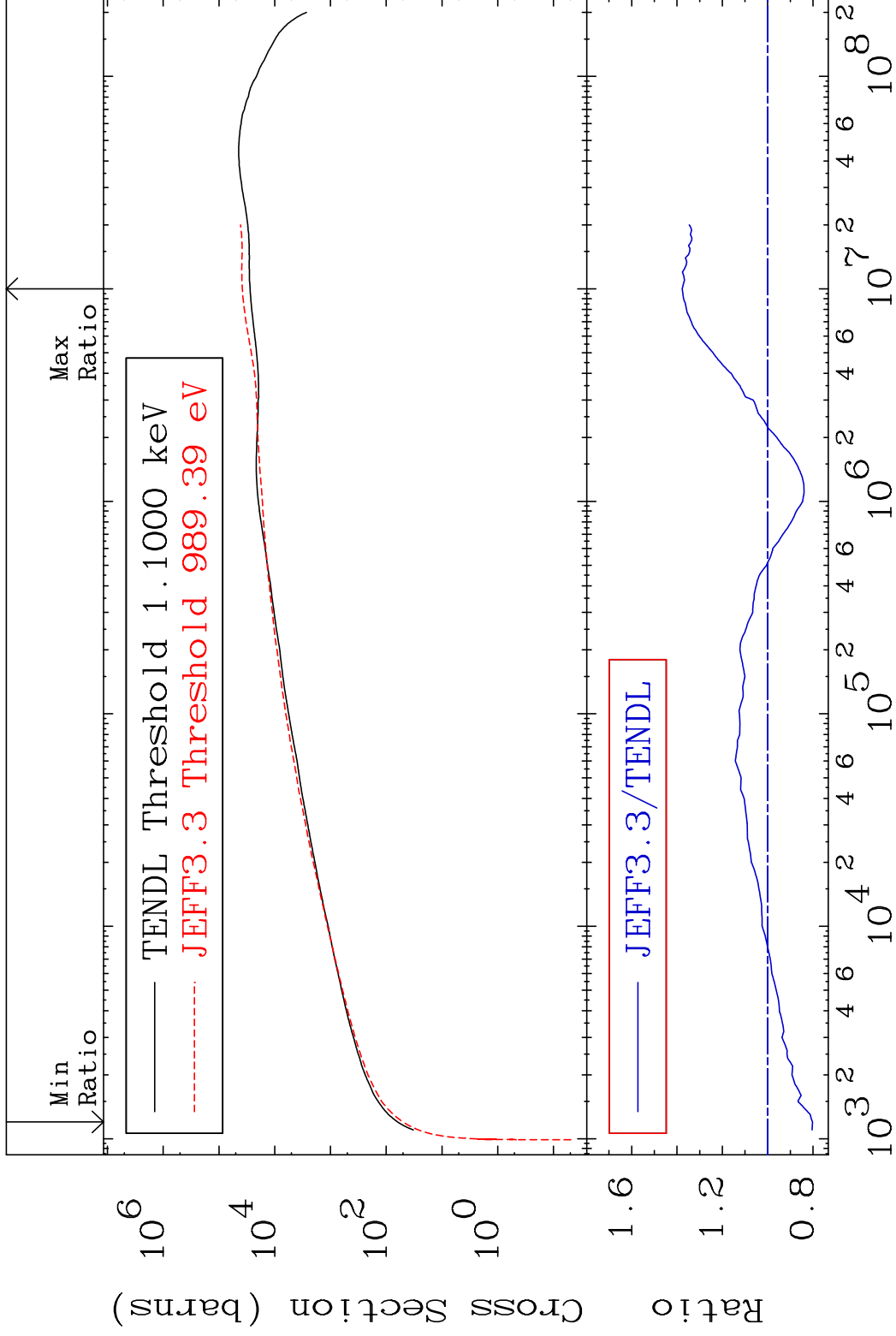
66-Dy-161

MAT 6640

Dpa elastic (mt2)

66-Dy-161

Cross Section -19.77 To 37.72 %

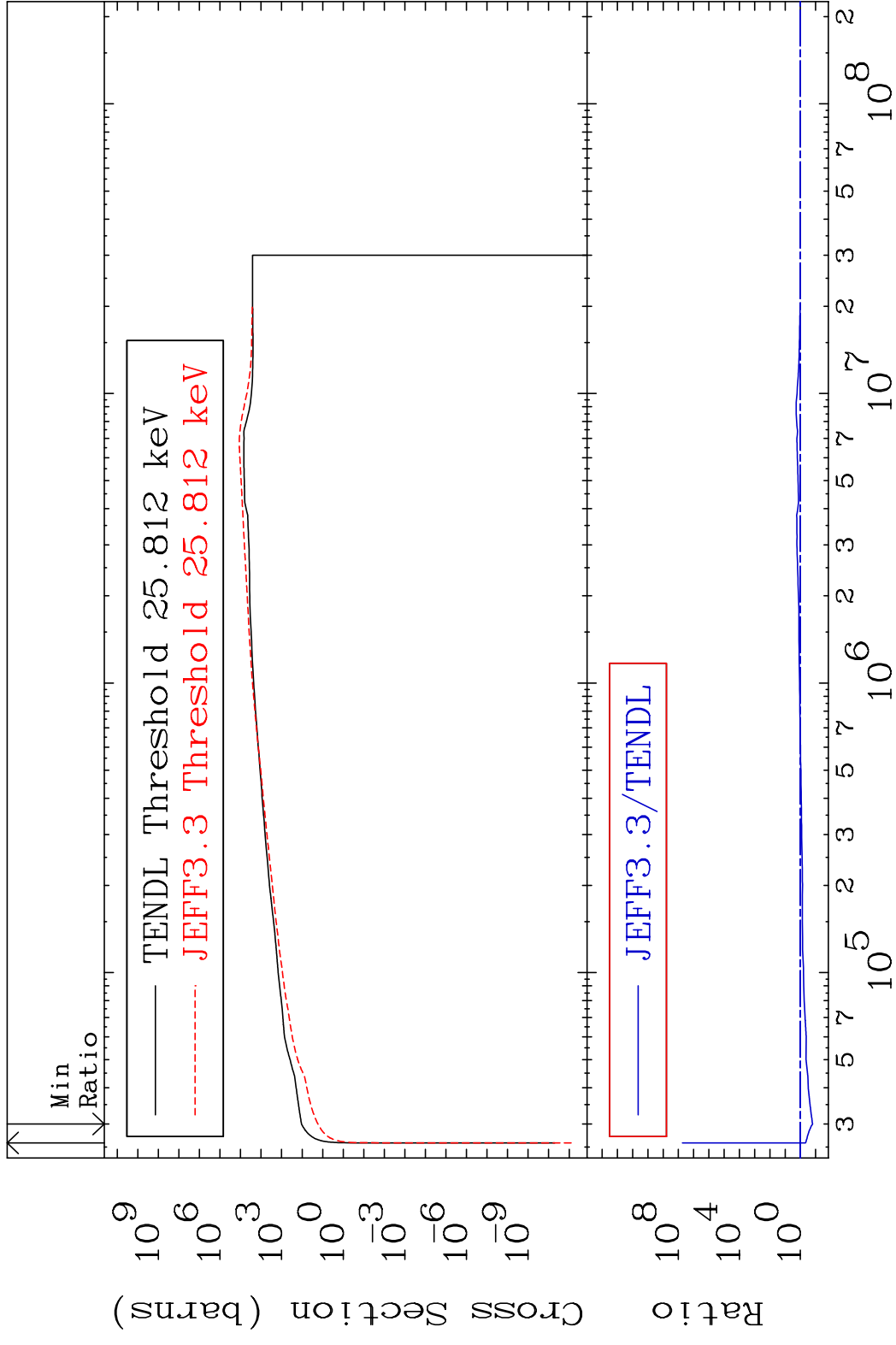


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Incident Energy (eV)

66-Dy-161

MAT 6640 Dpa inelastic (mt51-91) 66-Dy-161
 Cross Section -84.08 To 9999. %



MAT 6640 Dpa disappearance (mt102 -120) 66-Dy-161
 Cross Section -81.16 To 2018. %

