

Program Complot
(Version 2021-1)

by

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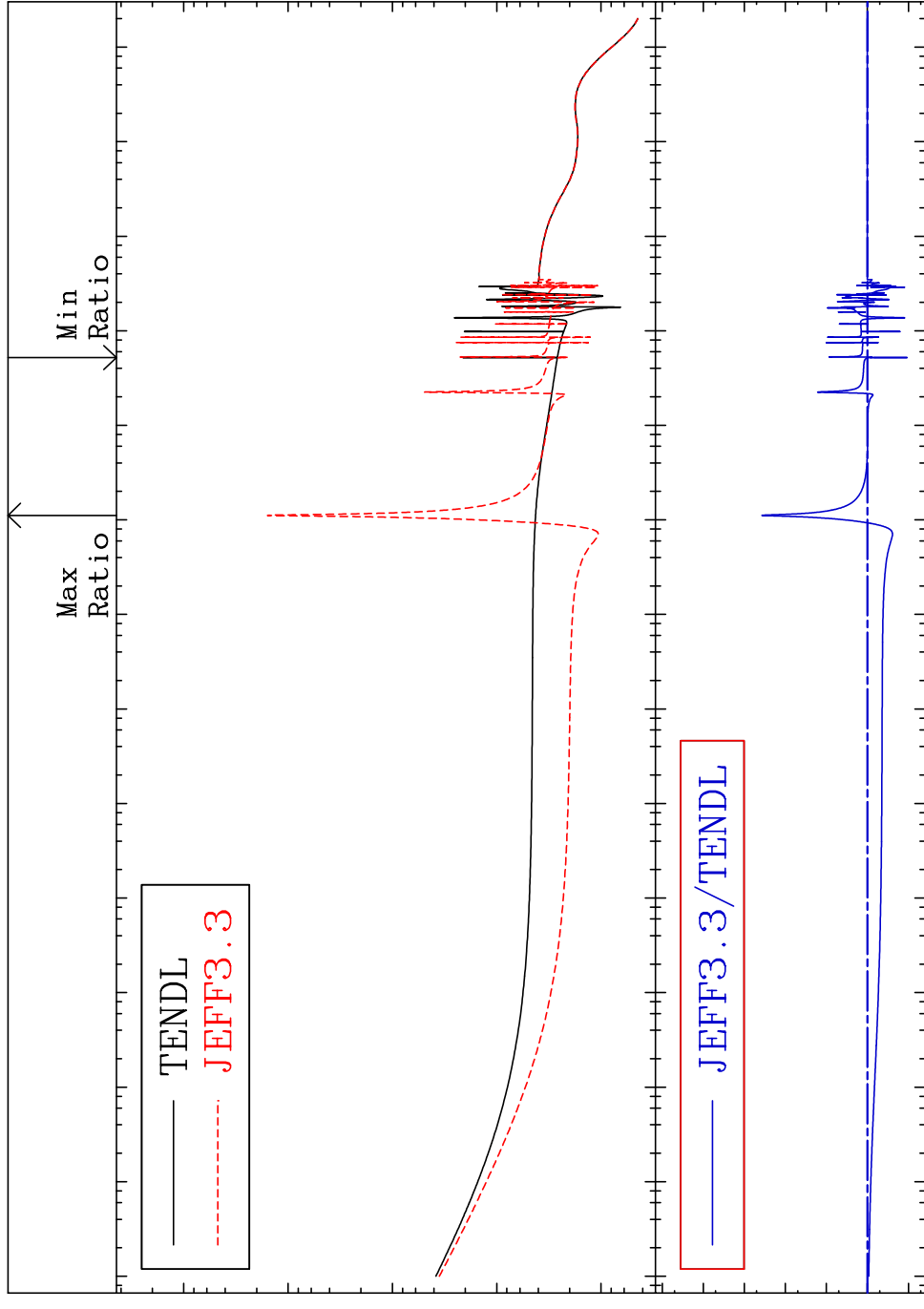
Press Mouse Button to Start

MAT 1028

Total

10-Ne-21

Cross Section -89.27 To 9999. %



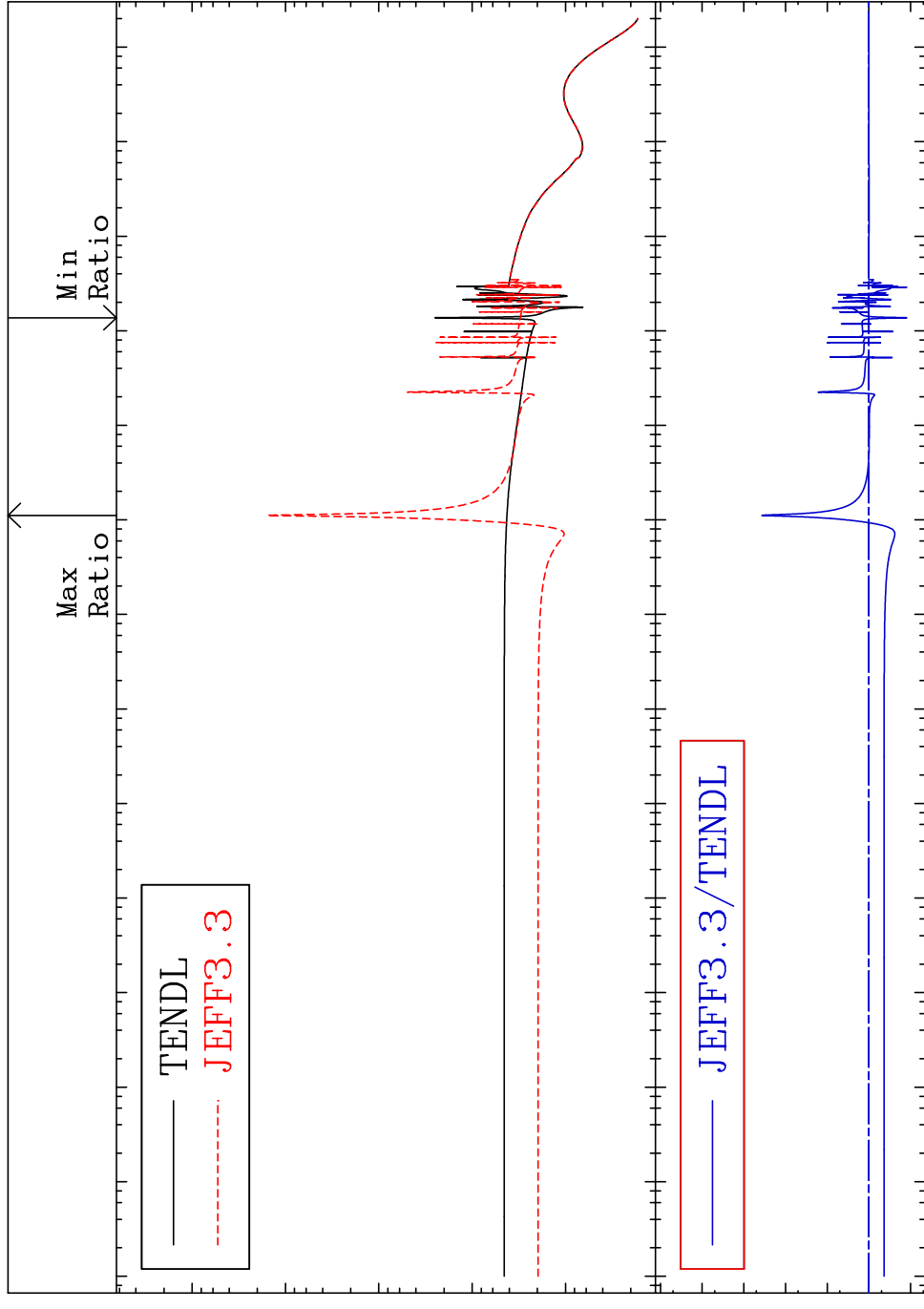
10⁴
10³
10²
10¹
10⁰
Ratio
10²
10⁰

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

1 Incident Energy (eV) 10-Ne-21

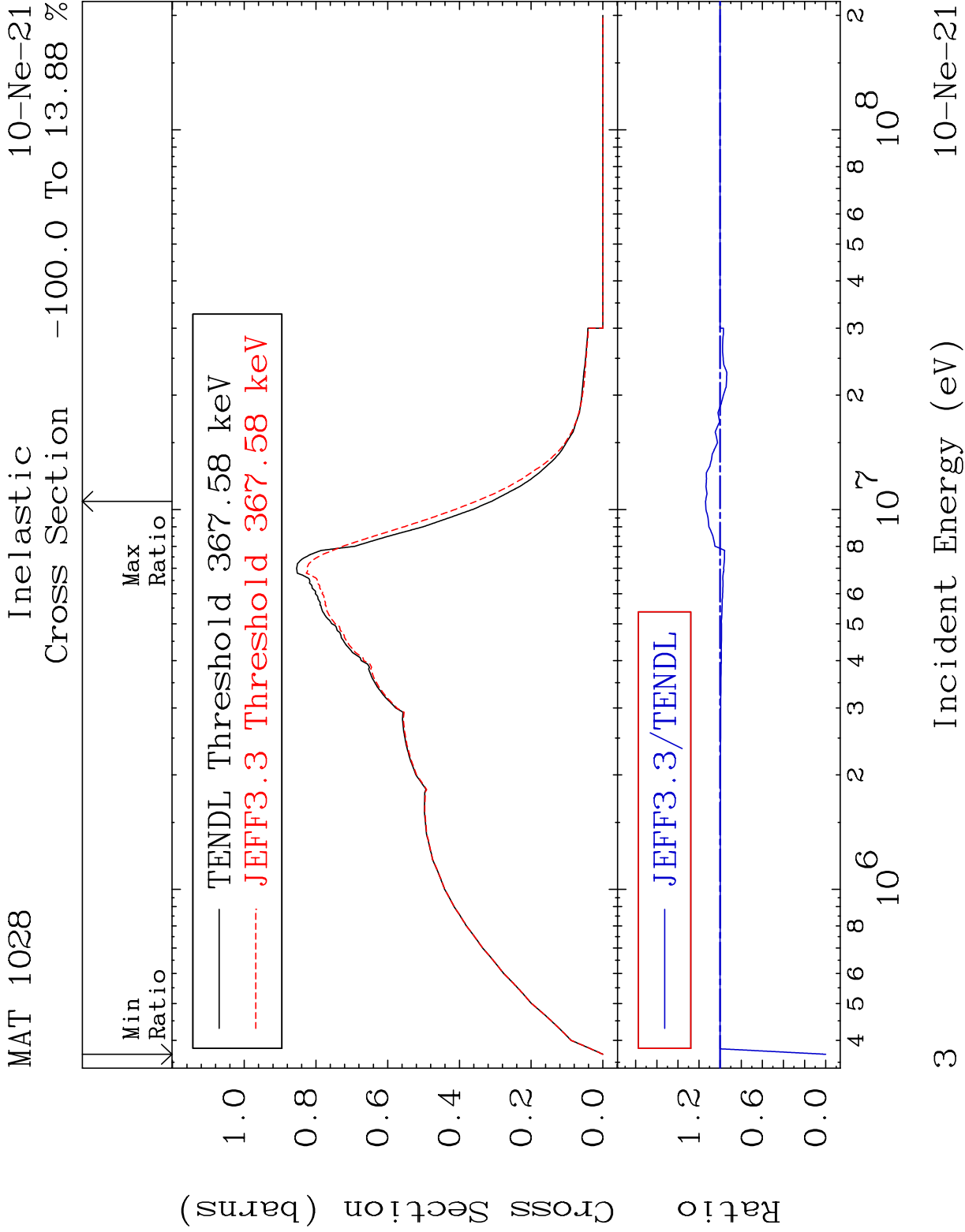
MAT 1028

Elastic Cross Section -87.91 To 9999. % 10-Ne-21

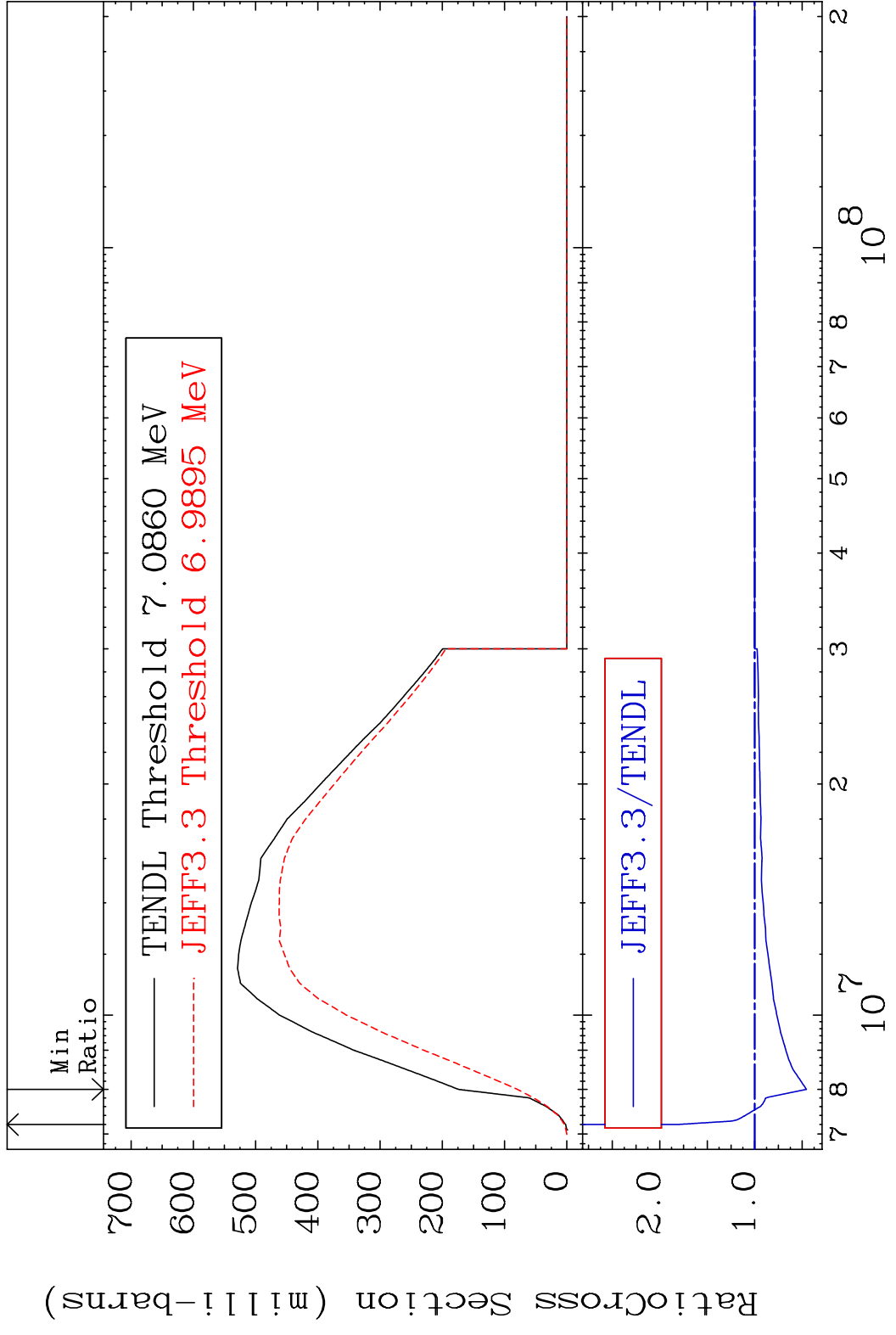


2

Incident Energy (eV) 10-Ne-21

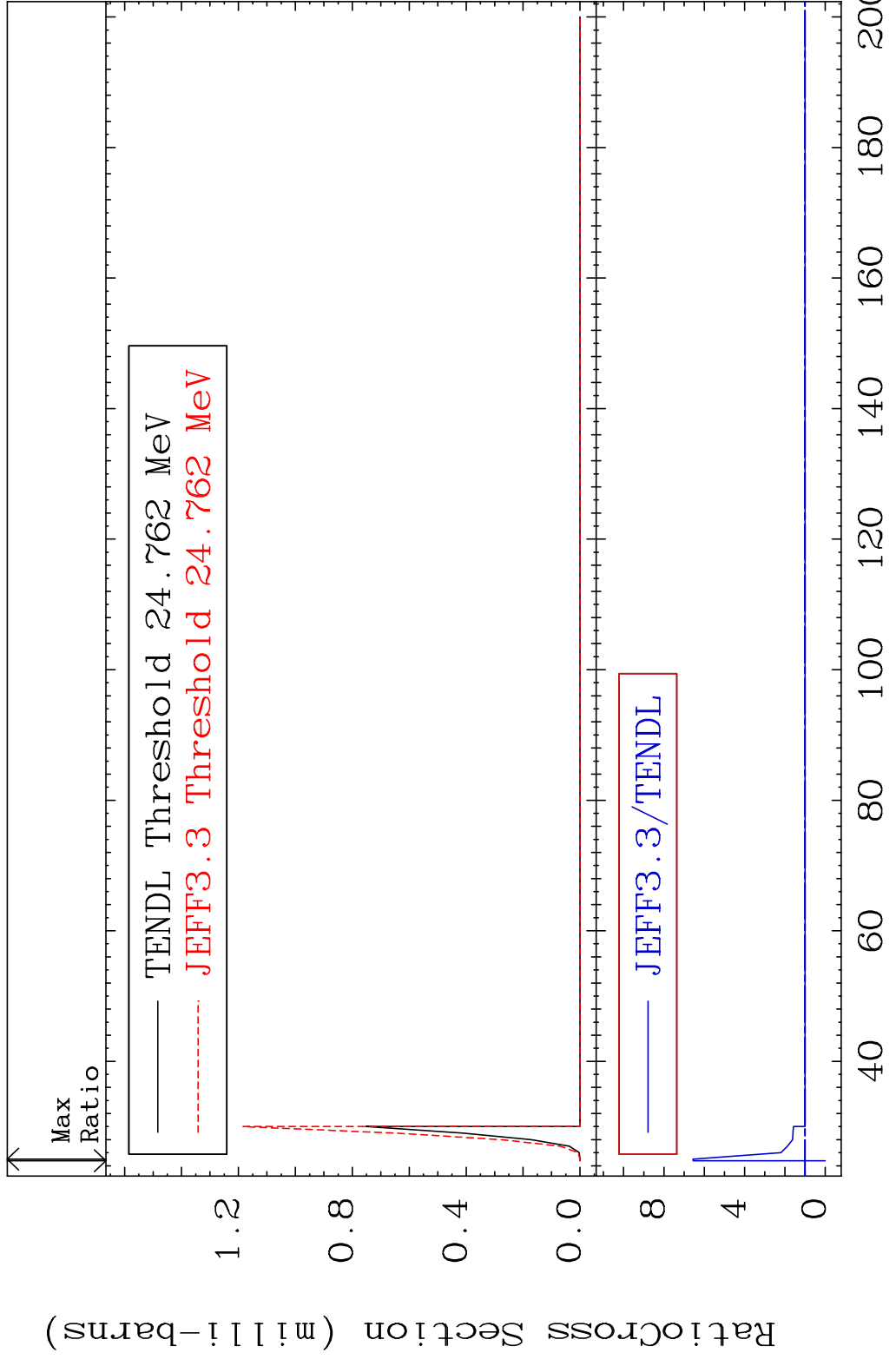


MAT 1028 (n,2n) 10-Ne-21
 Cross Section -54.42 To 81.67 %

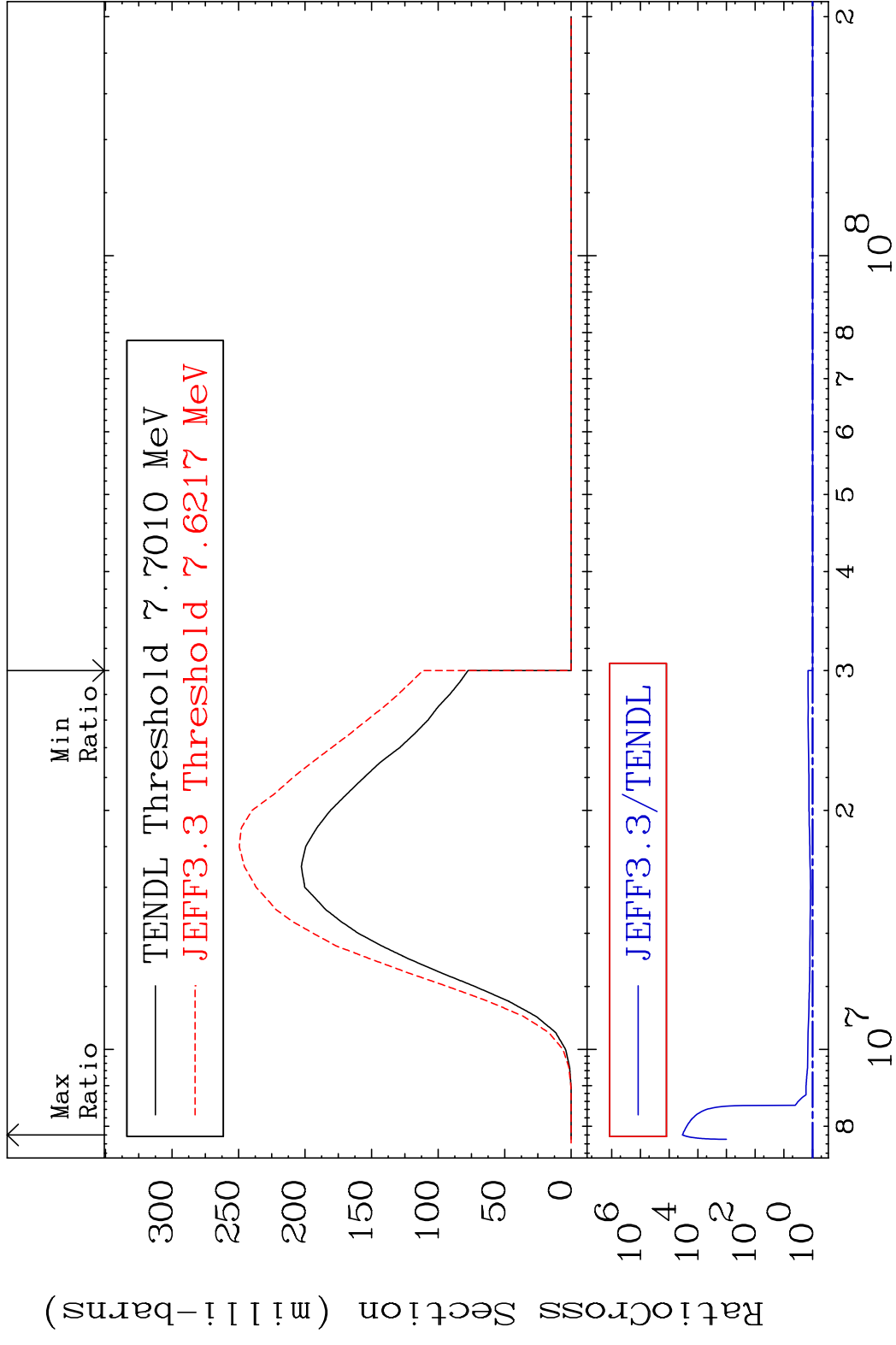


4 10 7 8 2 10 8 10 8 2 10-Ne-21

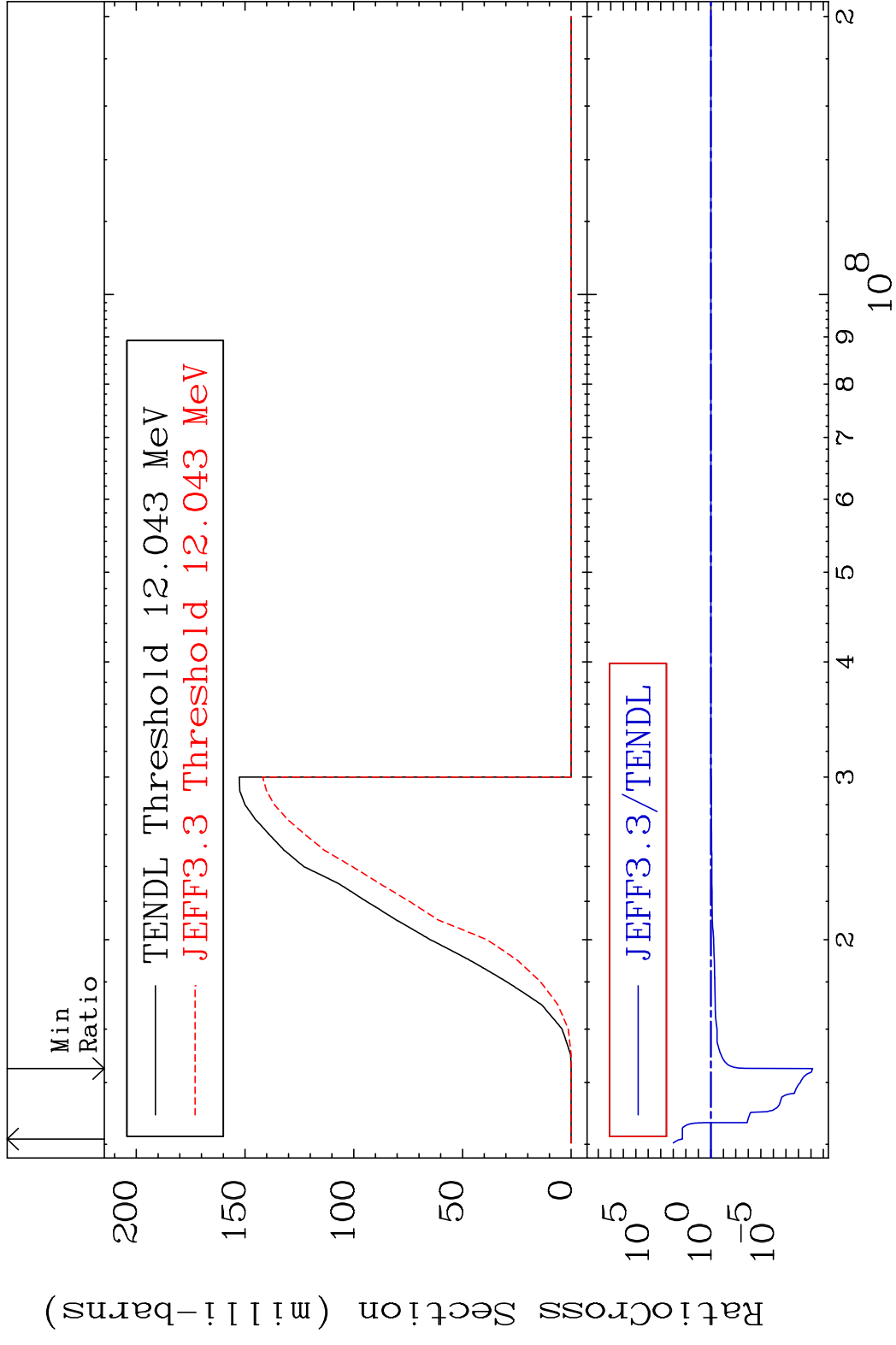
MAT 1028 (n,3n) 10-Ne-21
 Cross Section -100.0 To 556.0 %



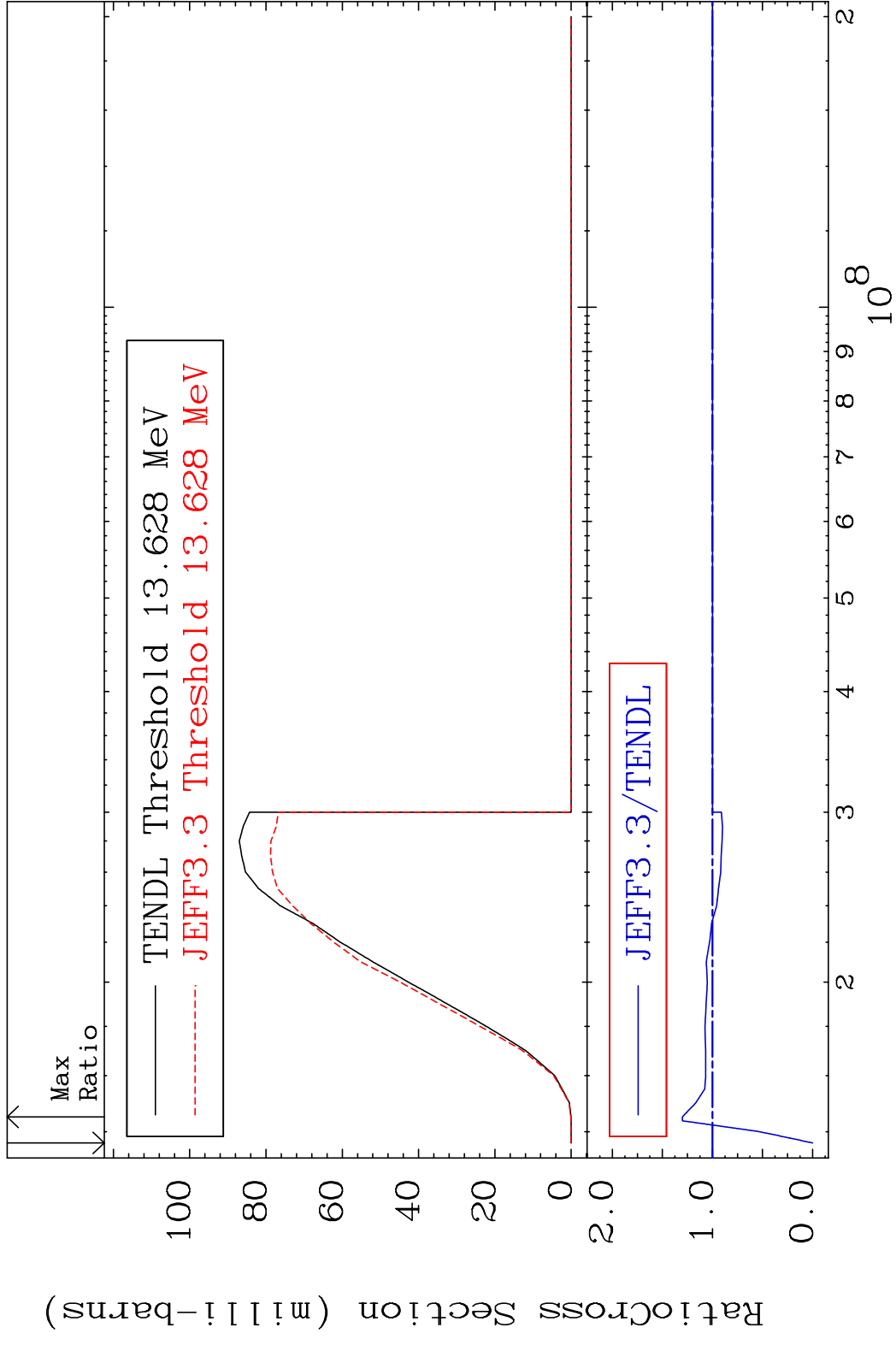
MAT 1028 (n, n') α 10-Ne-21
 Cross Section 0.000 To 9999. %



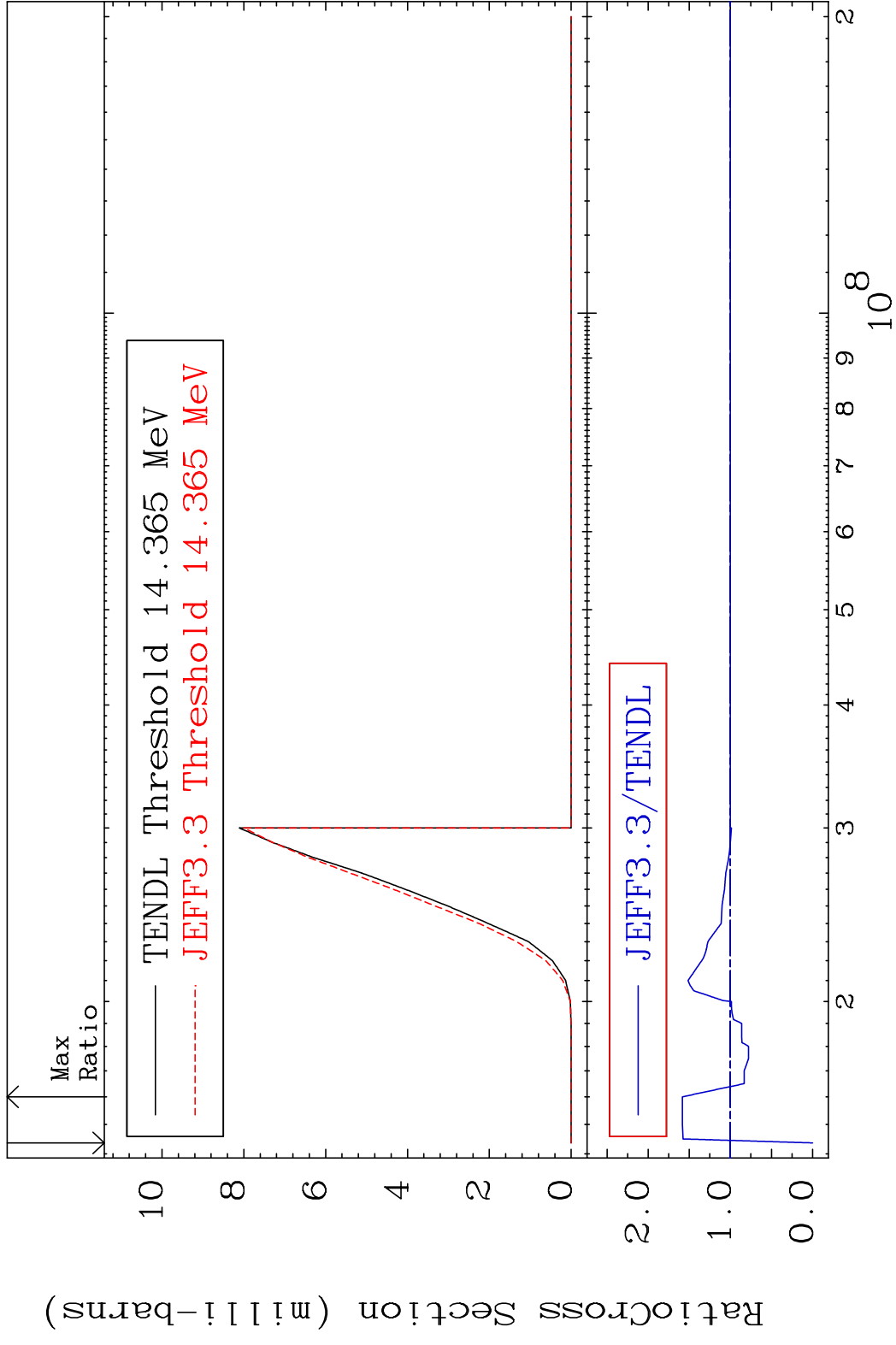
MAT 1028 (n,2n) α 10-Ne-21
 Cross Section -100.0 To 9999. %



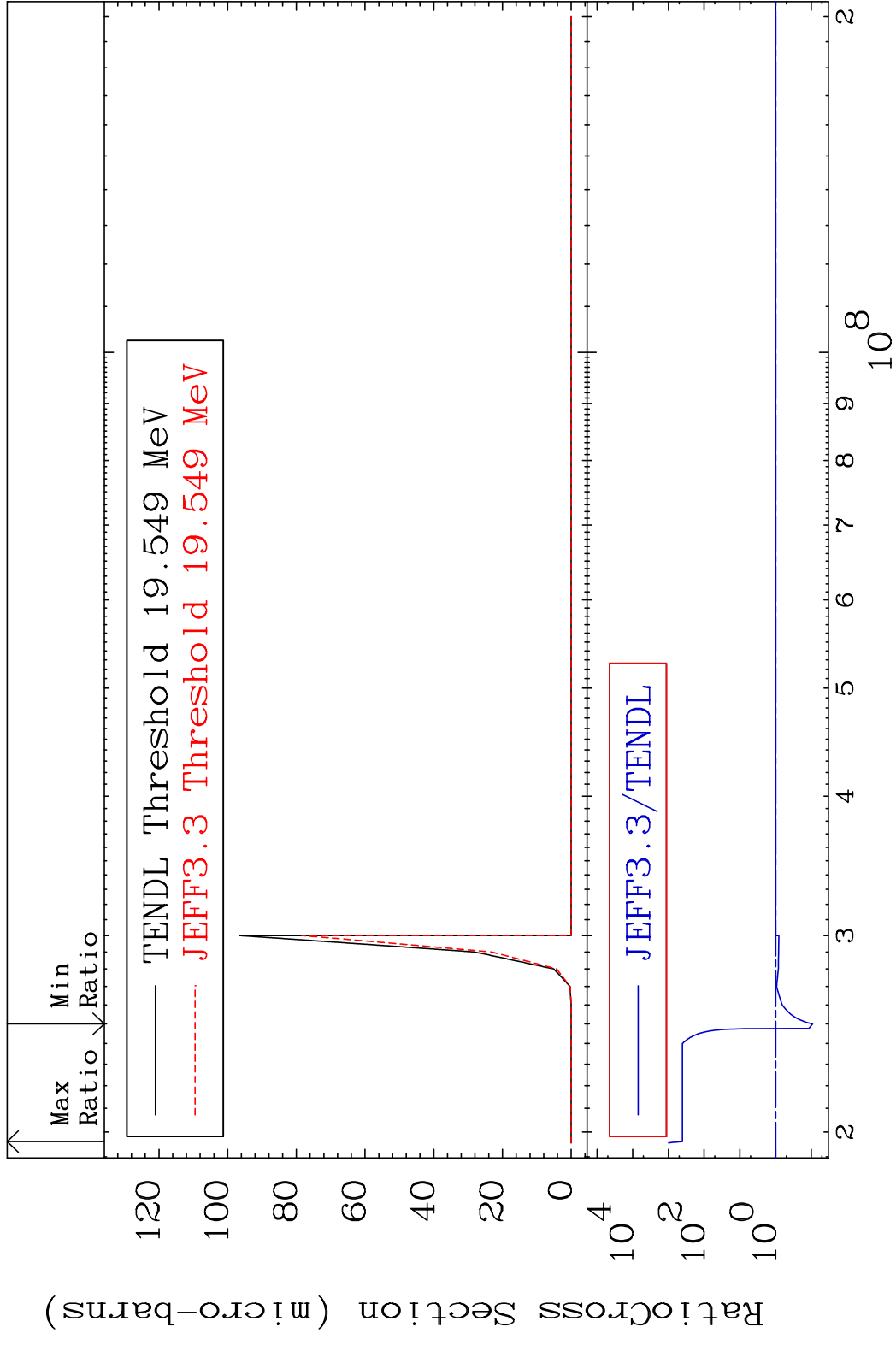
MAT 1028 (n, n') p 10-Ne-21
 Cross Section -100.0 To 30.06 %



MAT 1028 (n, n') 2α 10-Ne-21
 Cross Section -100.0 To 58.37 %

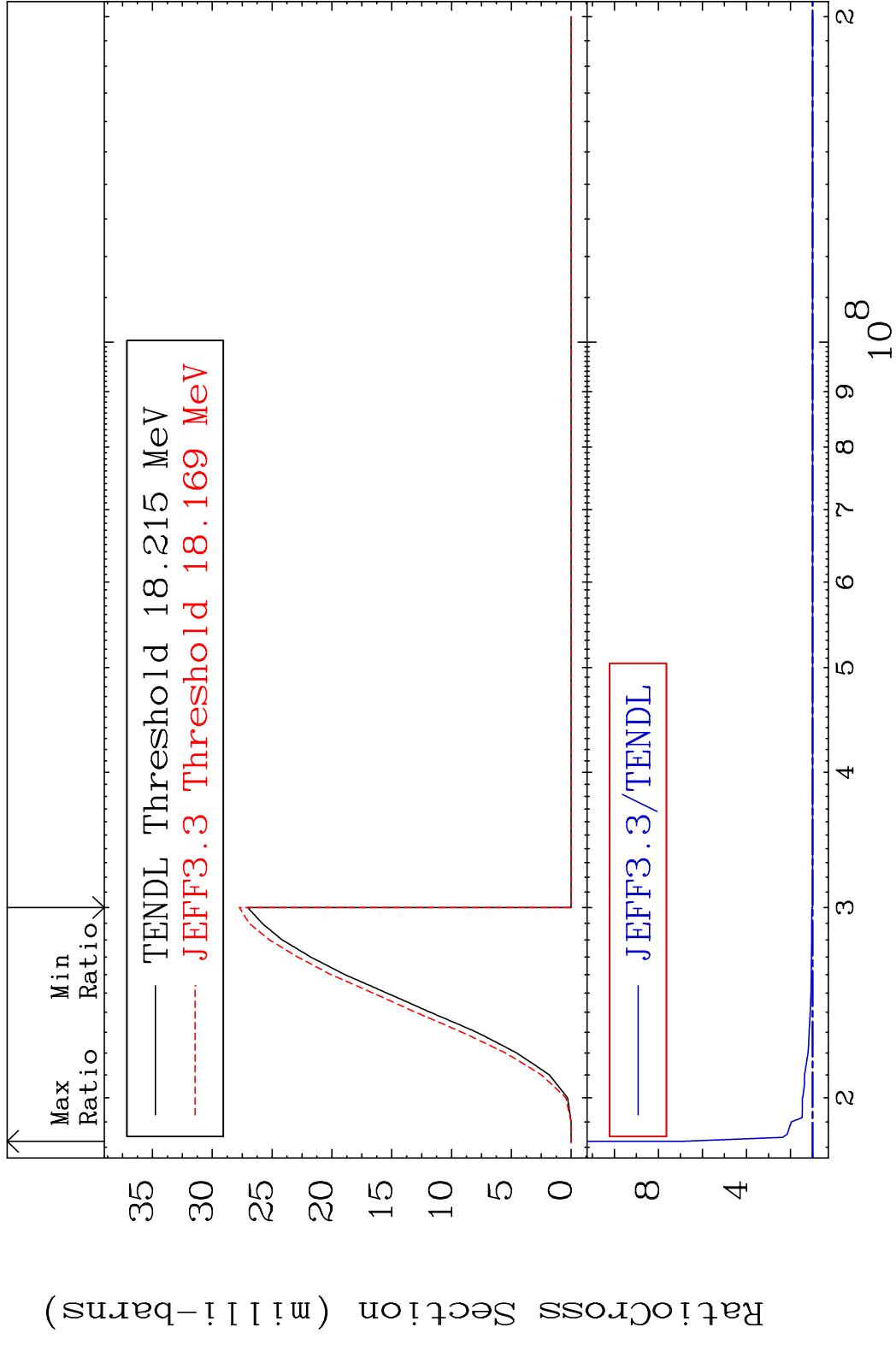


MAT 1028 (n,2n) 2α 10-Ne-21
 Cross Section -90.80 To 9999. %

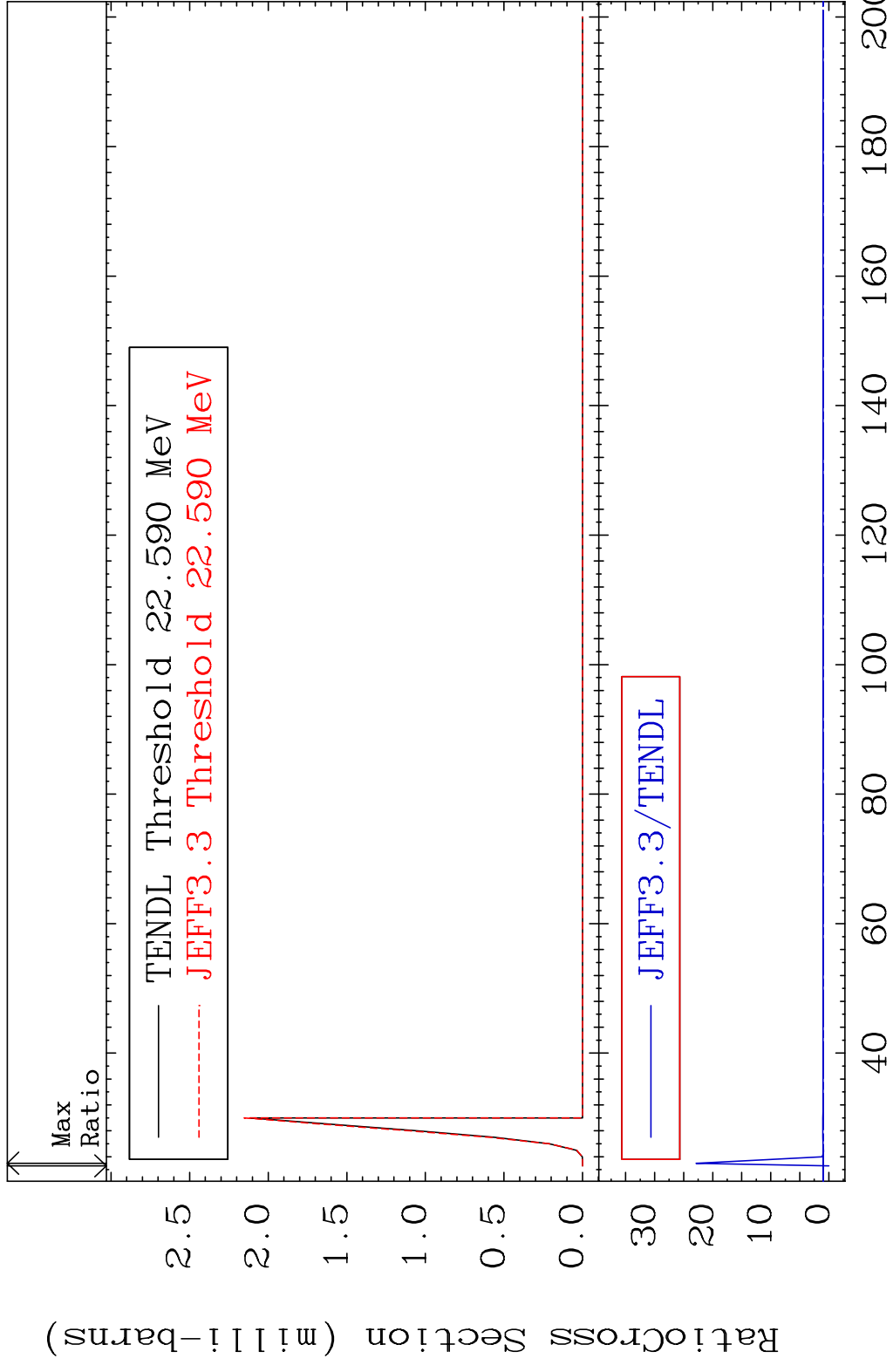


10 Incident Energy (eV) 10-Ne-21

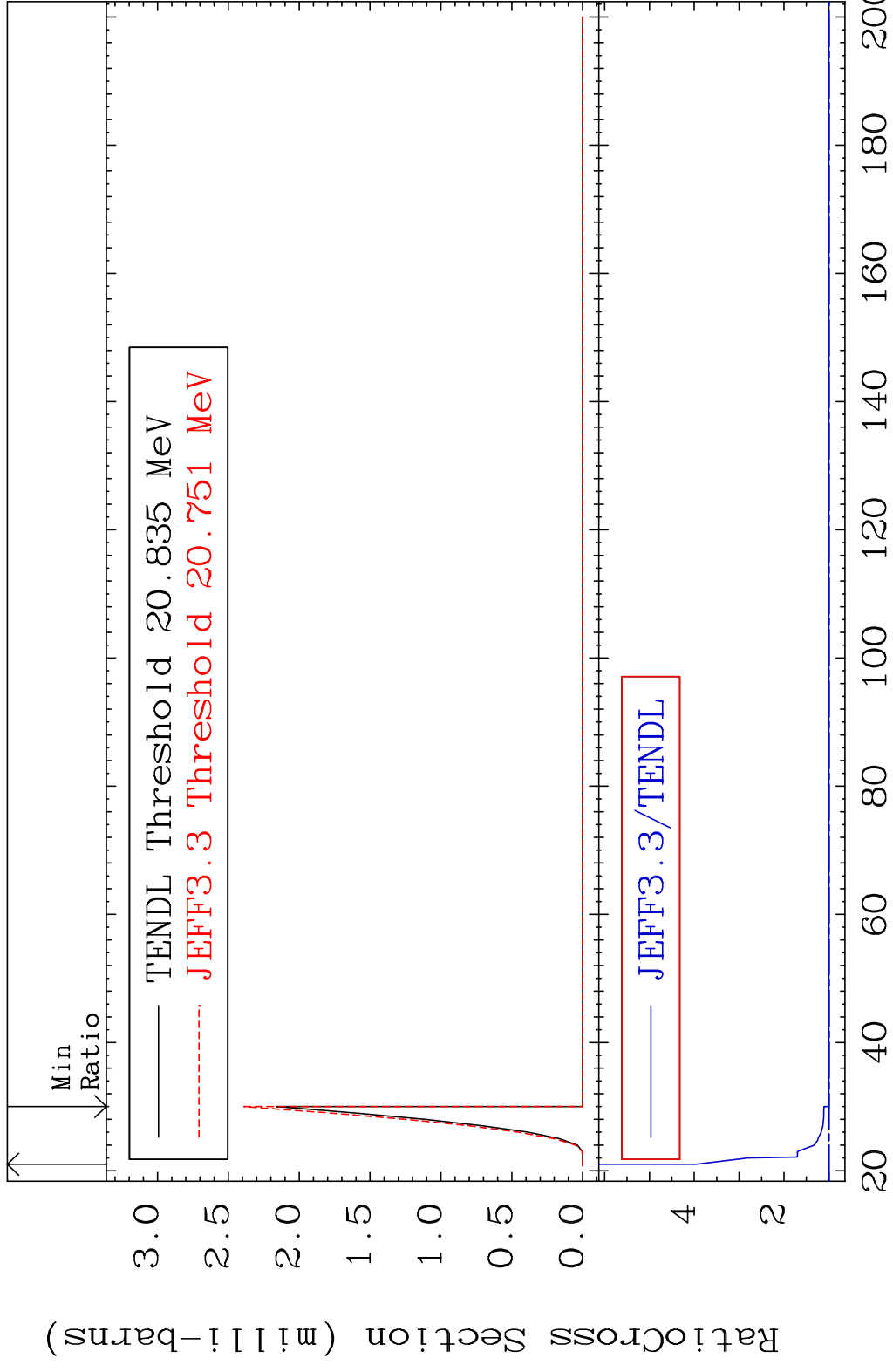
MAT 1028 (n, n') d 10-Ne-21
 Cross Section 0.000 To 591.2 %



MAT 1028 (n, n') t 10-Ne-21
 Cross Section -100.0 To 2188. %



MAT 1028 (n,n') He-3 10-Ne-21
 Cross Section 0.000 To 296.1 %

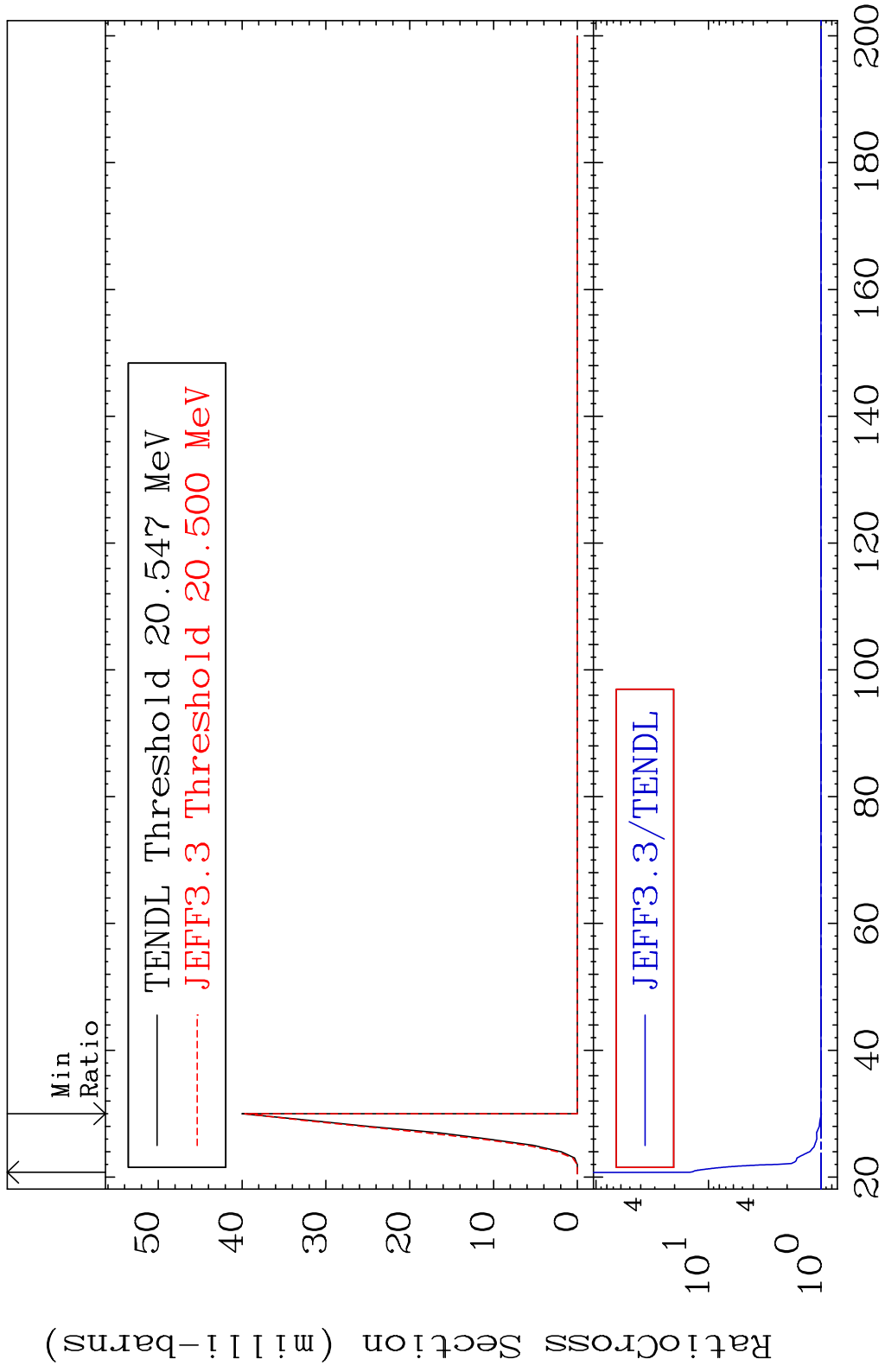


MAT 1028

(n,2n) p

10-Ne-21

Cross Section -0.867 To 1365. %

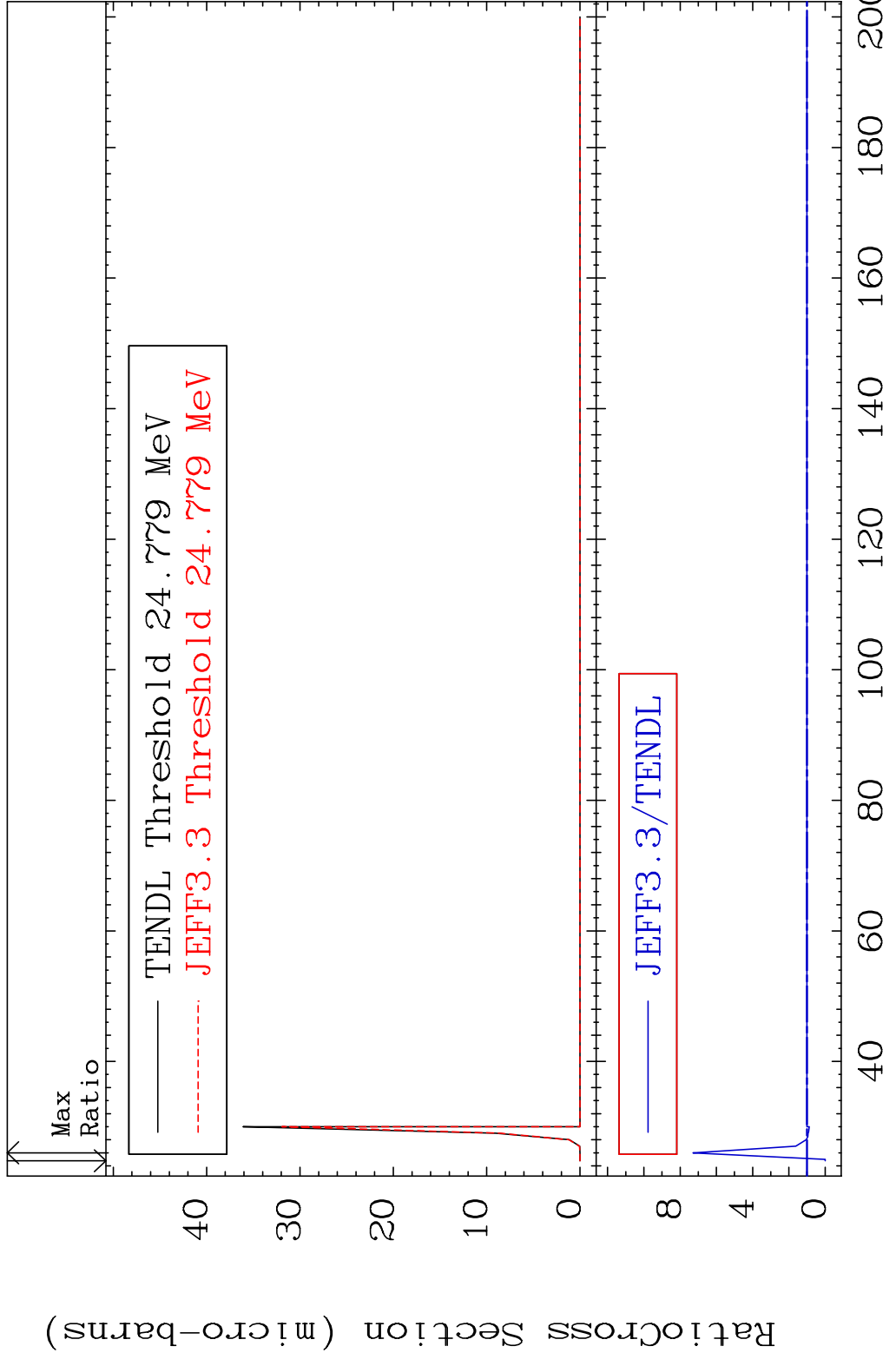


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Incident Energy (MeV)

10-Ne-21

MAT 1028 (n,2n) p 10-Ne-21
 Cross Section -100.0 To 629.3 %

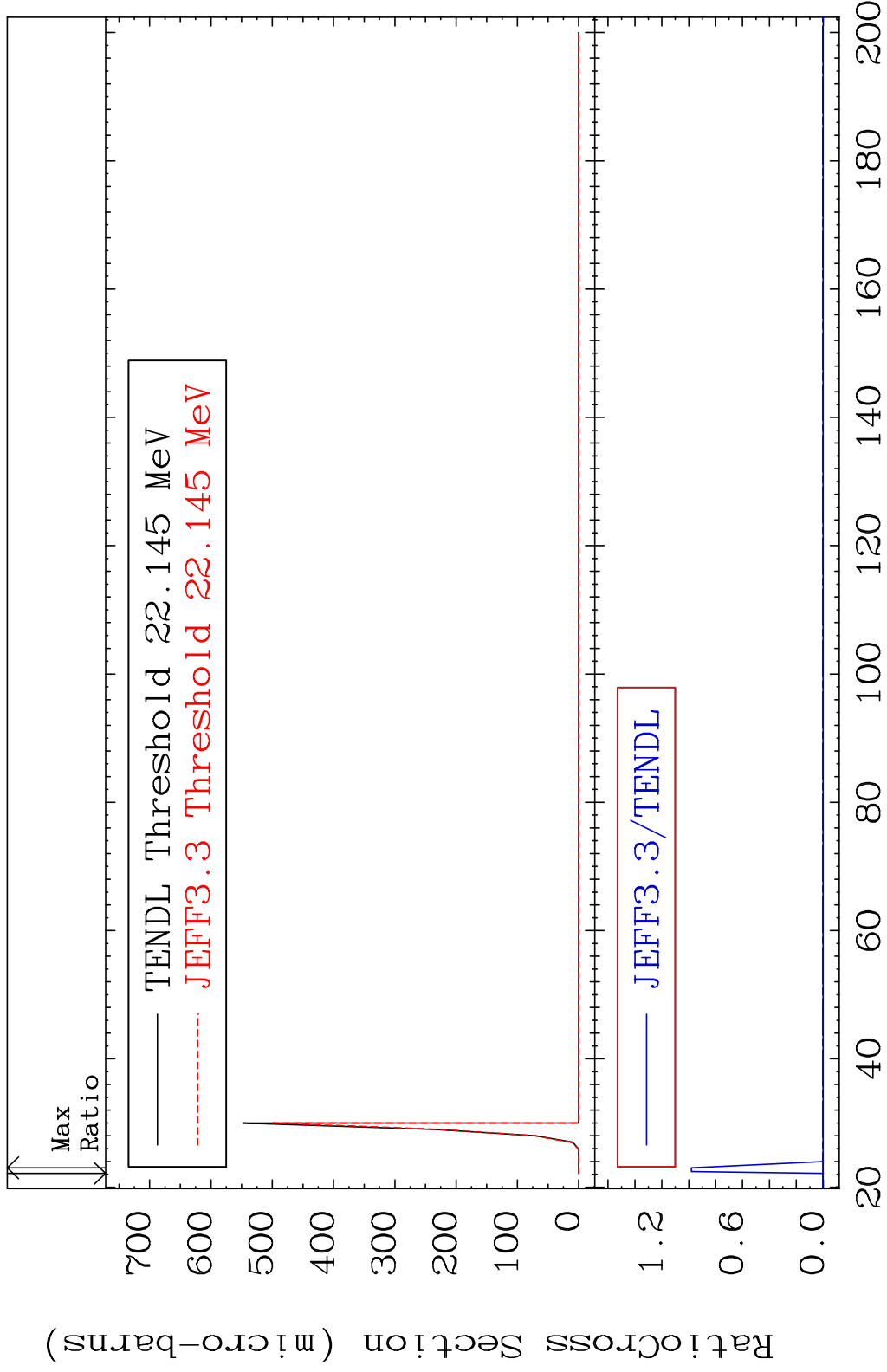


MAT 1028

(n,n') p α

10-Ne-21

Cross Section -100.0 To 9999. %

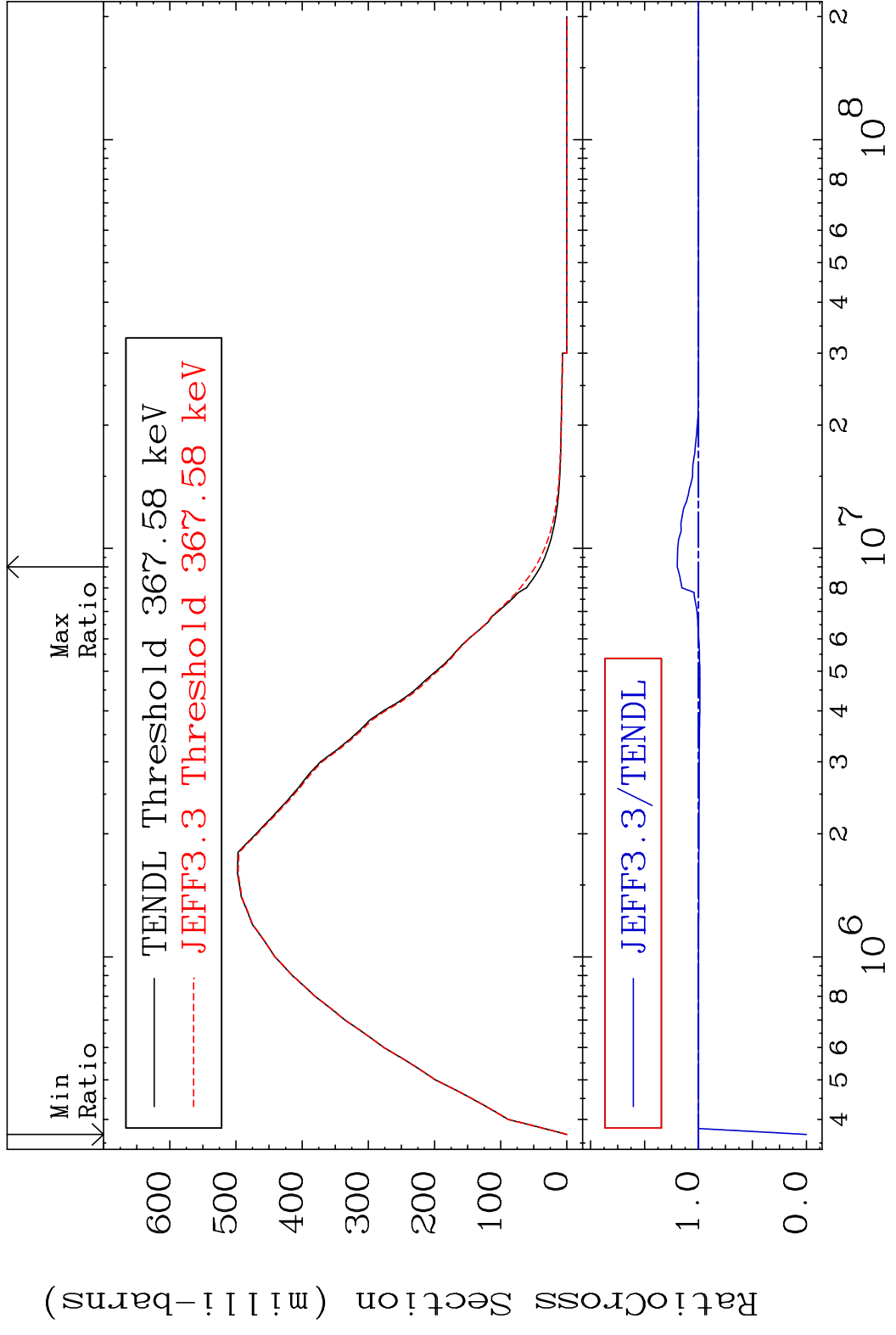


16

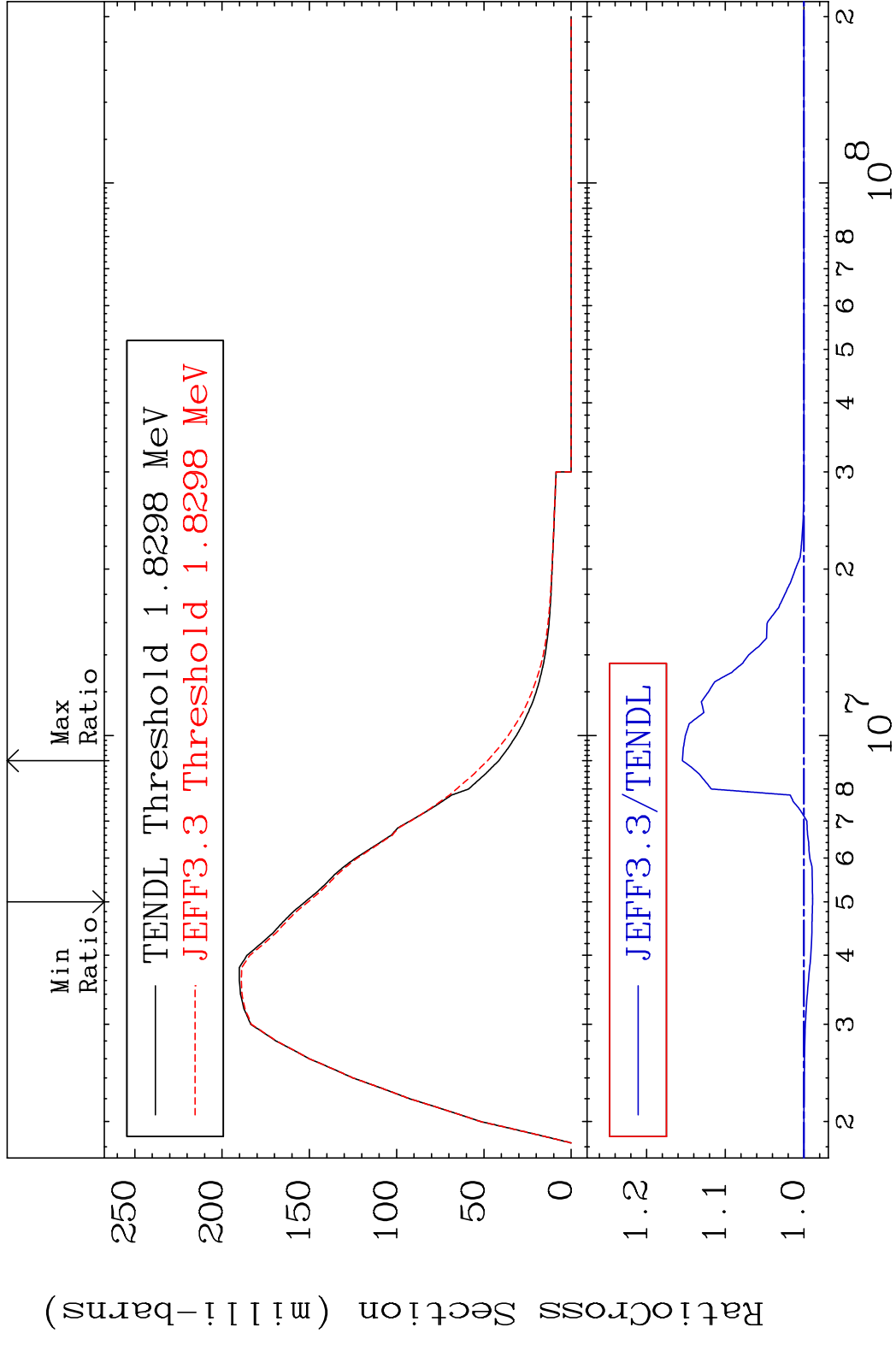
Incident Energy (MeV)

10-Ne-21

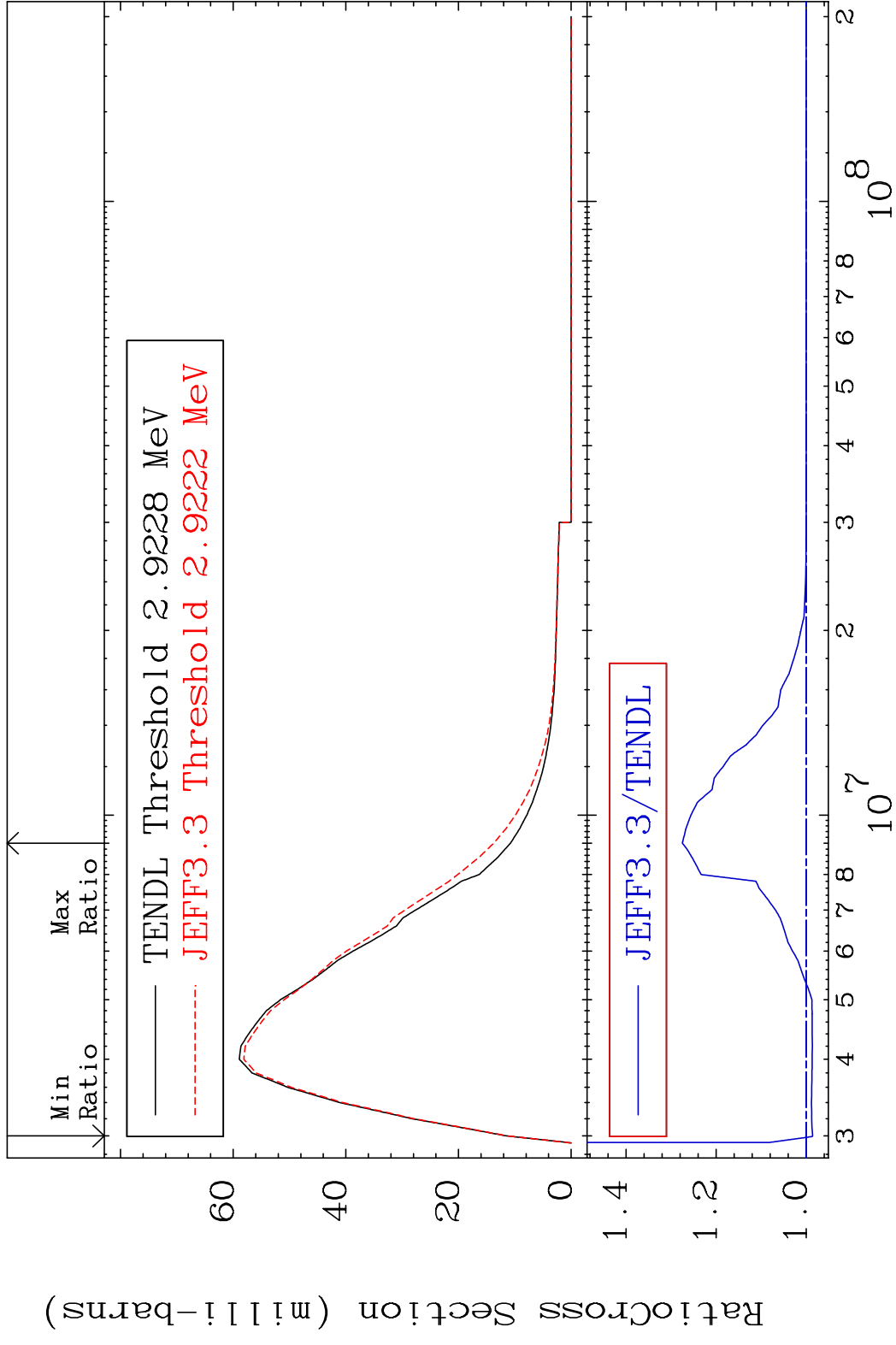
MAT 1028 MT= 51 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 19.78 %



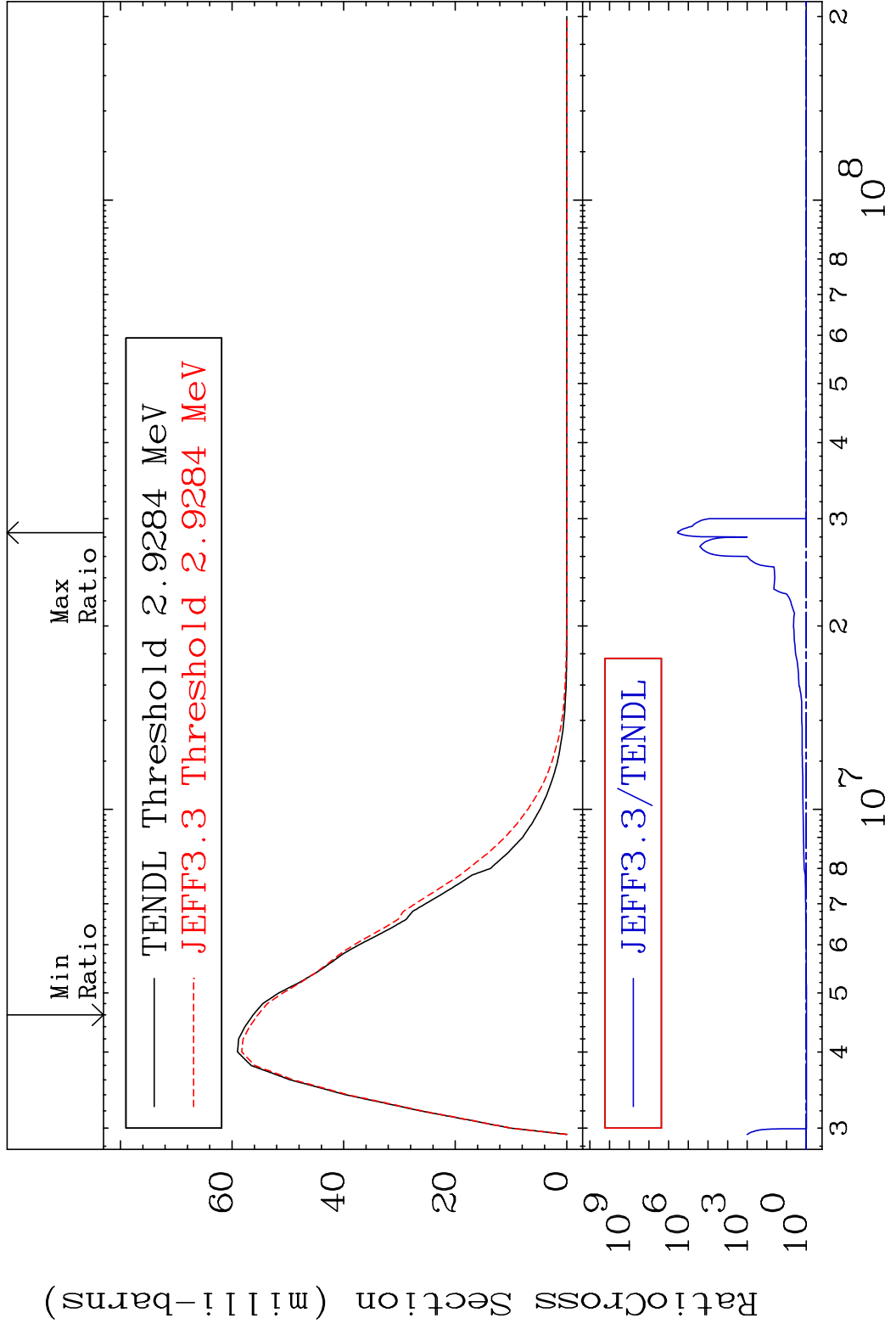
MAT 1028 MT= 52 (n, n') Level 10-Ne-21
 Cross Section -1.093 To 15.45 %



MAT 1028 MT= 53 (n, n') Level 10-Ne-21
 Cross Section -1.421 To 27.49 %

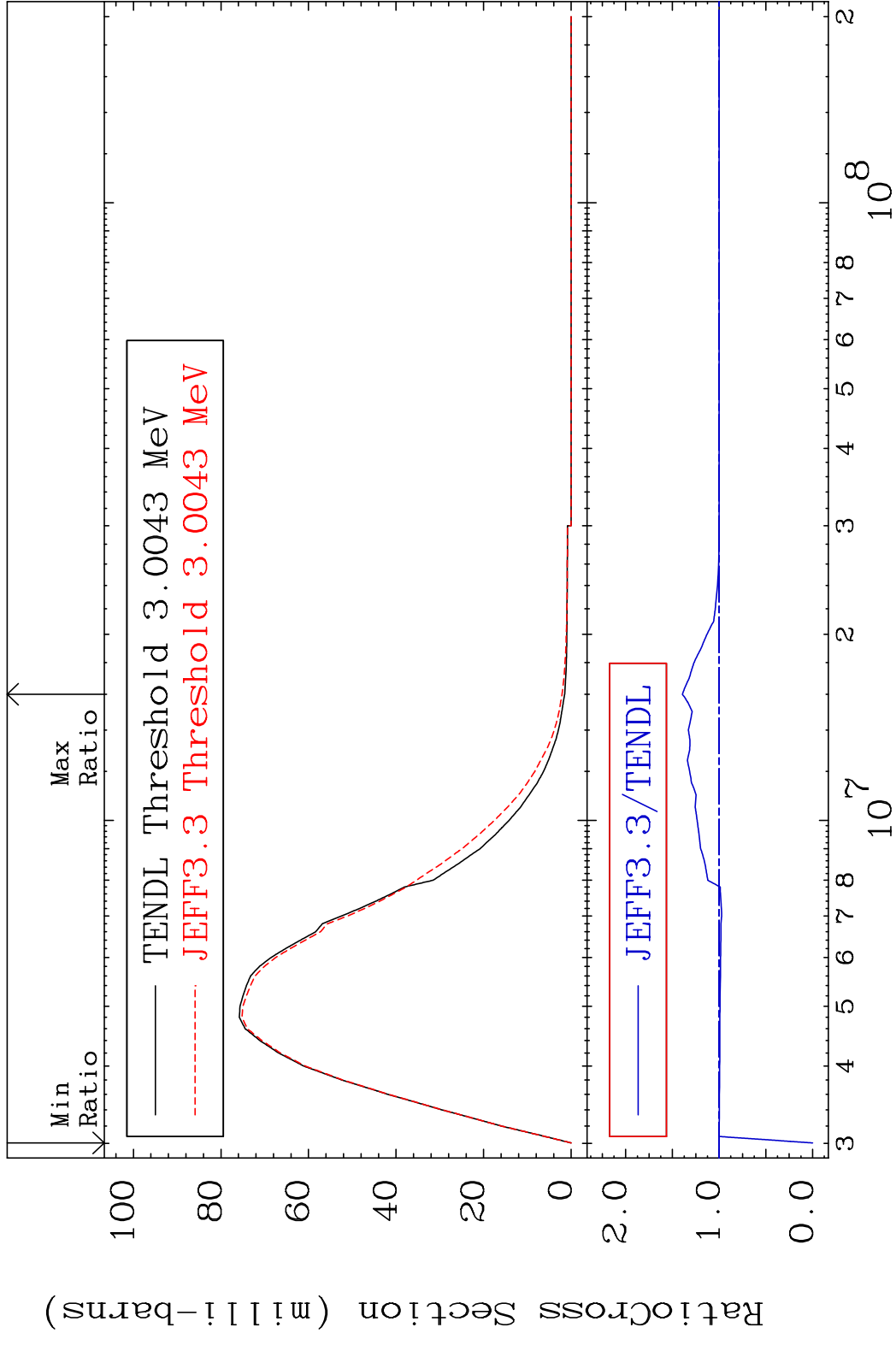


MAT 1028 MT= 54 (n, n') Level 10-Ne-21
 Cross Section -1.485 To 9999. %



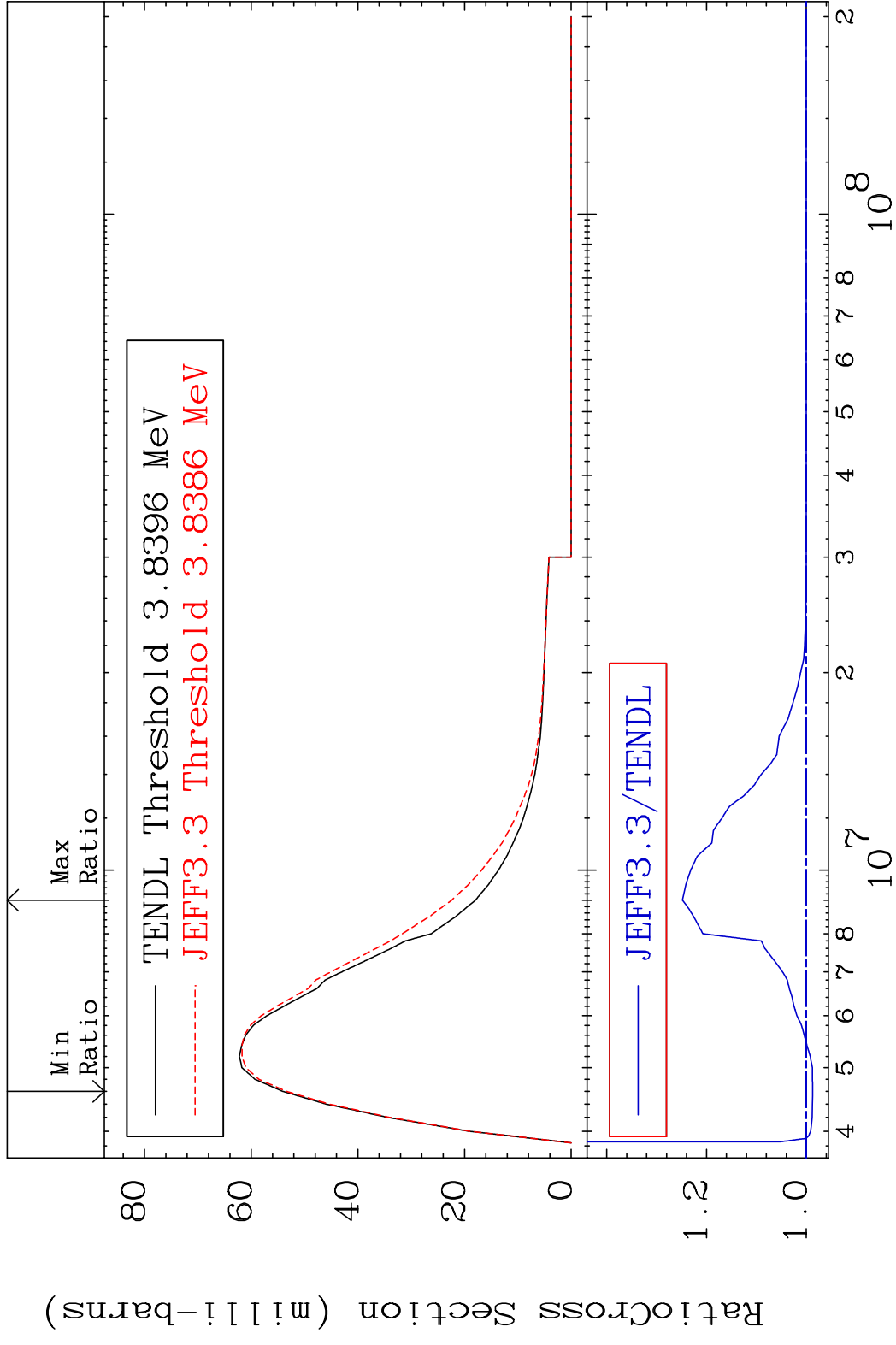
20 Incident Energy (eV) 10-Ne-21

MAT 1028 MT= 55 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 39.37 %

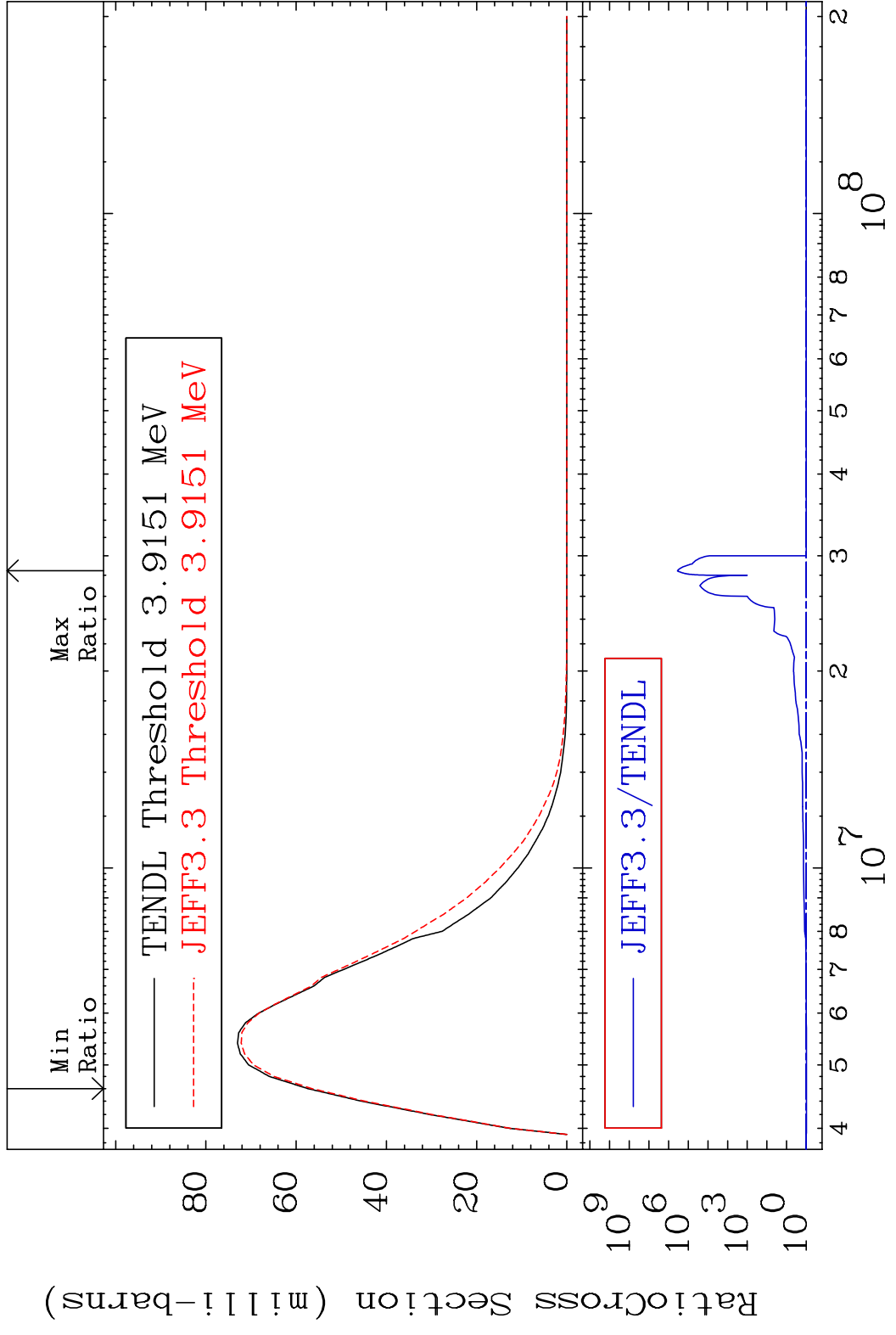


21 Incident Energy (eV) 10-Ne-21

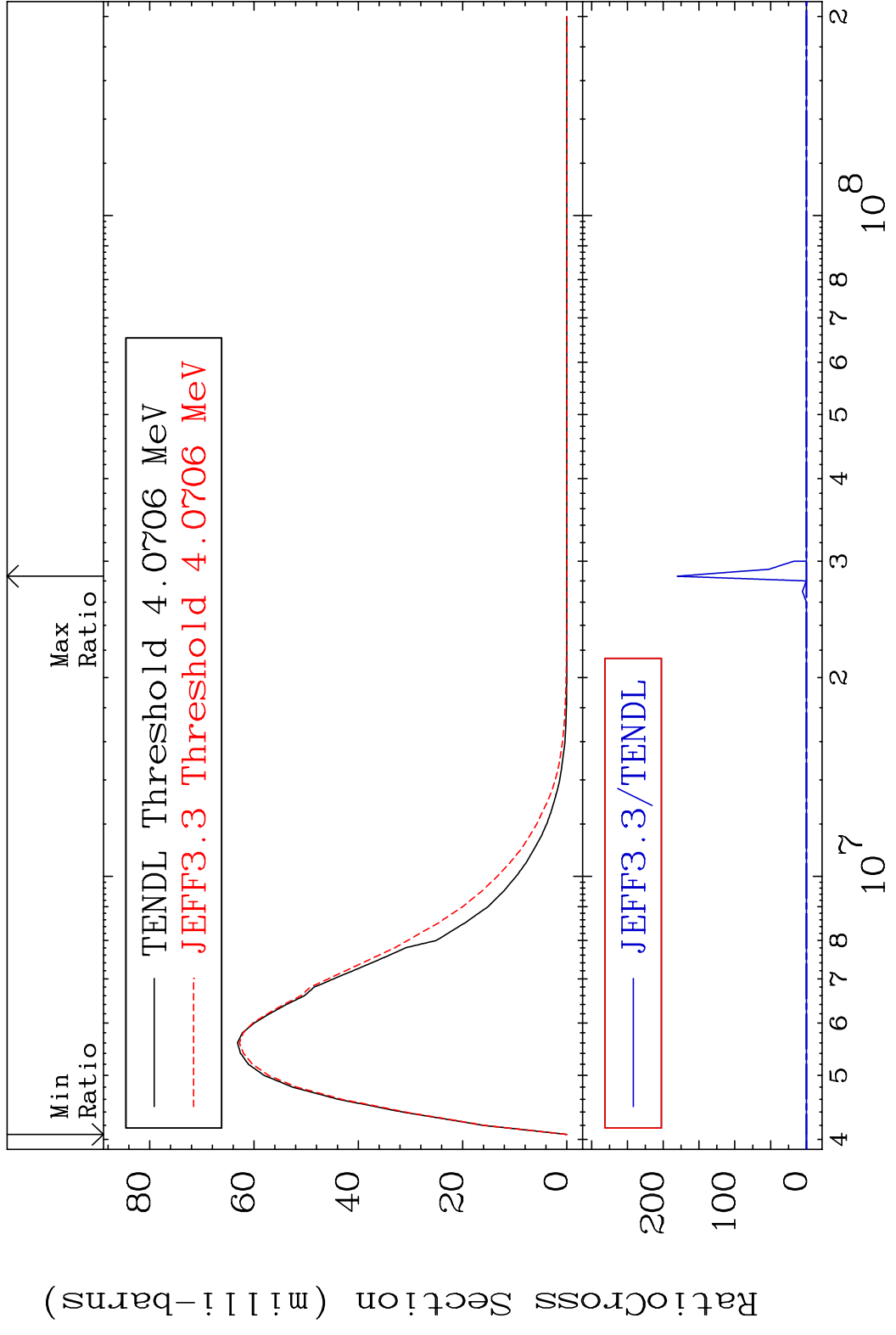
MAT 1028 MT= 56 (n,n') Level 10-Ne-21
 Cross Section -1.260 To 24.84 %



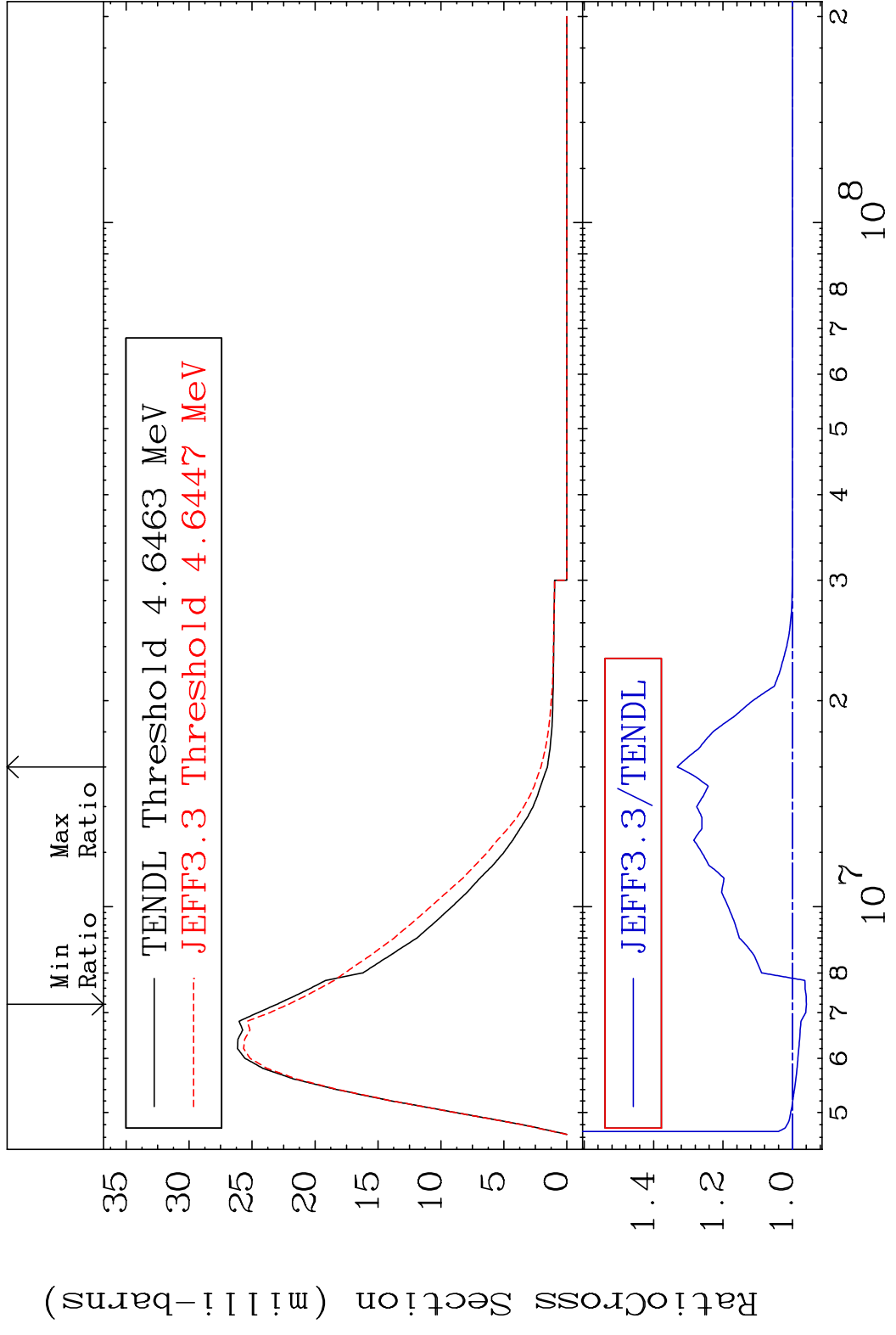
MAT 1028 MT= 57 (n, n') Level 10-Ne-21
 Cross Section -1.585 To 9999. %



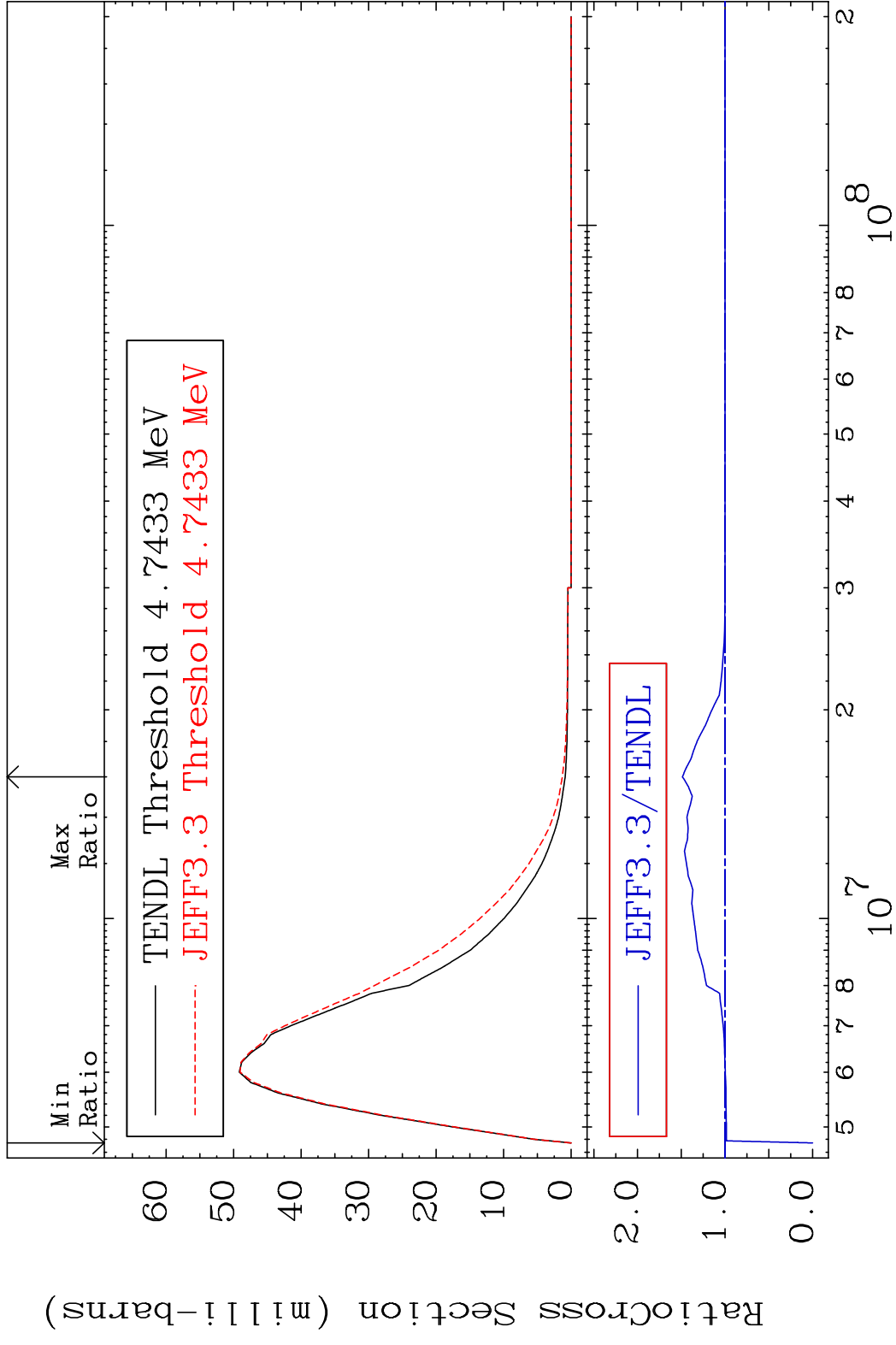
MAT 1028 MT= 58 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %



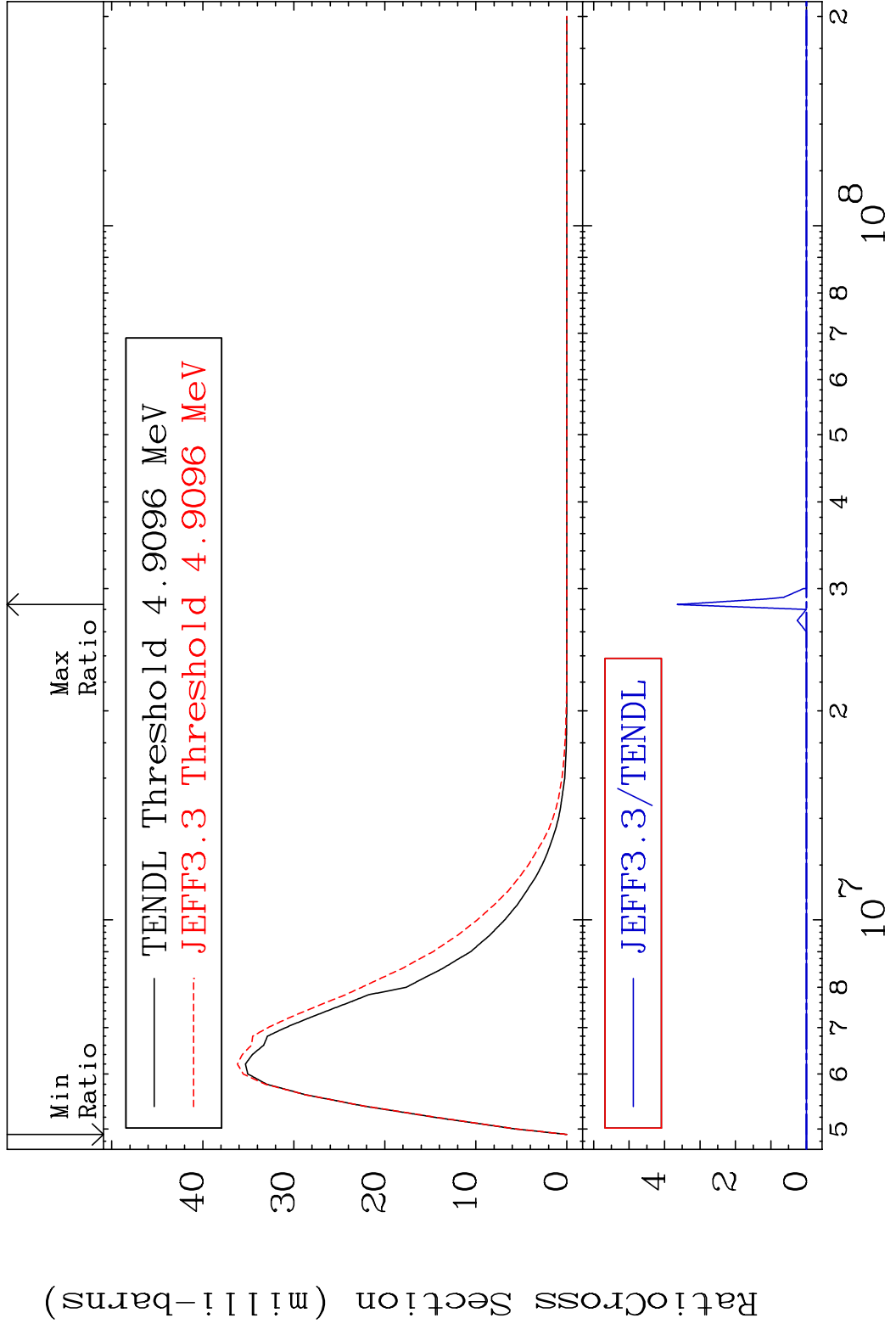
MAT 1028 MT= 59 (n, n') Level 10-Ne-21
 Cross Section -4.034 To 33.21 %



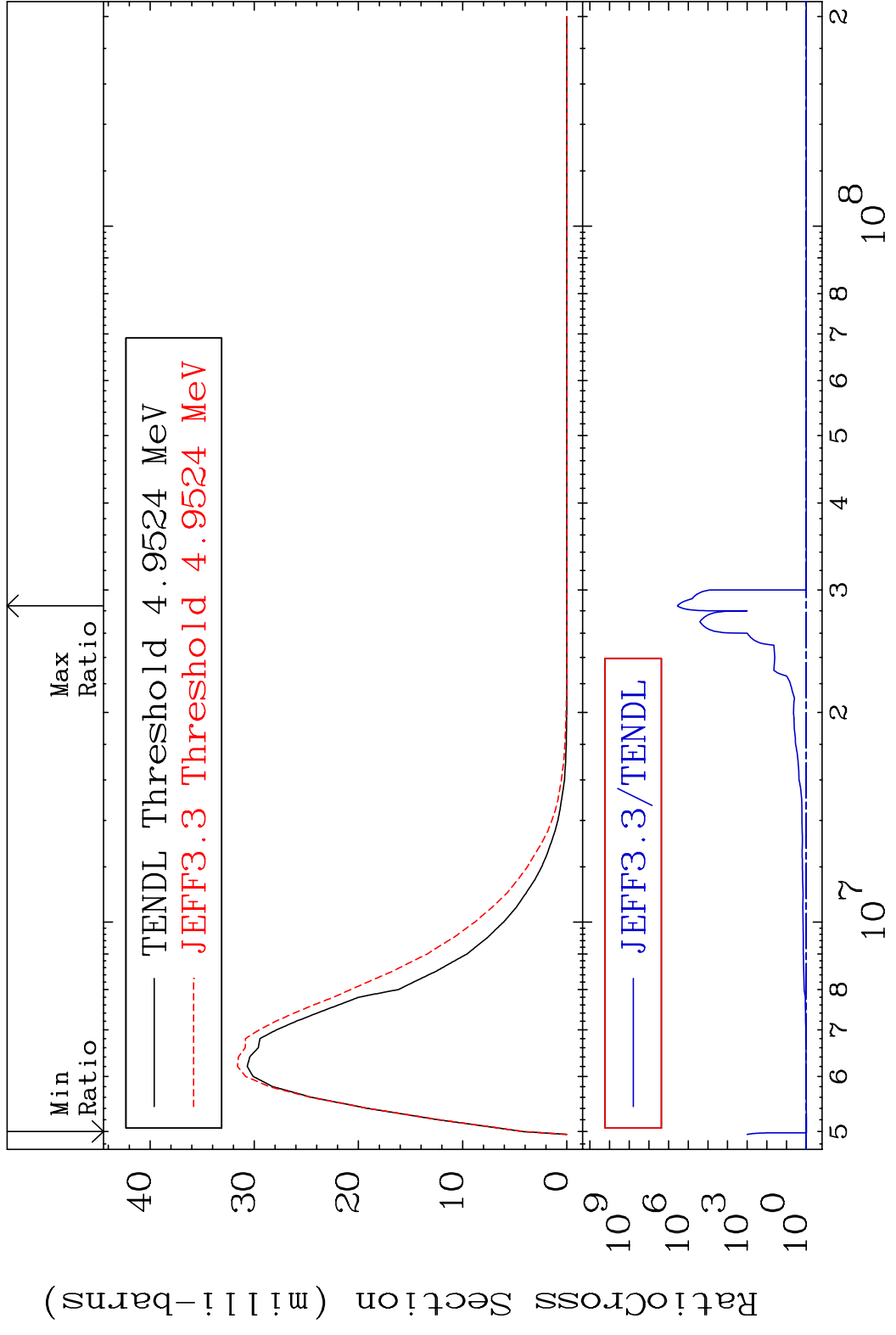
MAT 1028 MT= 60 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 48.81 %



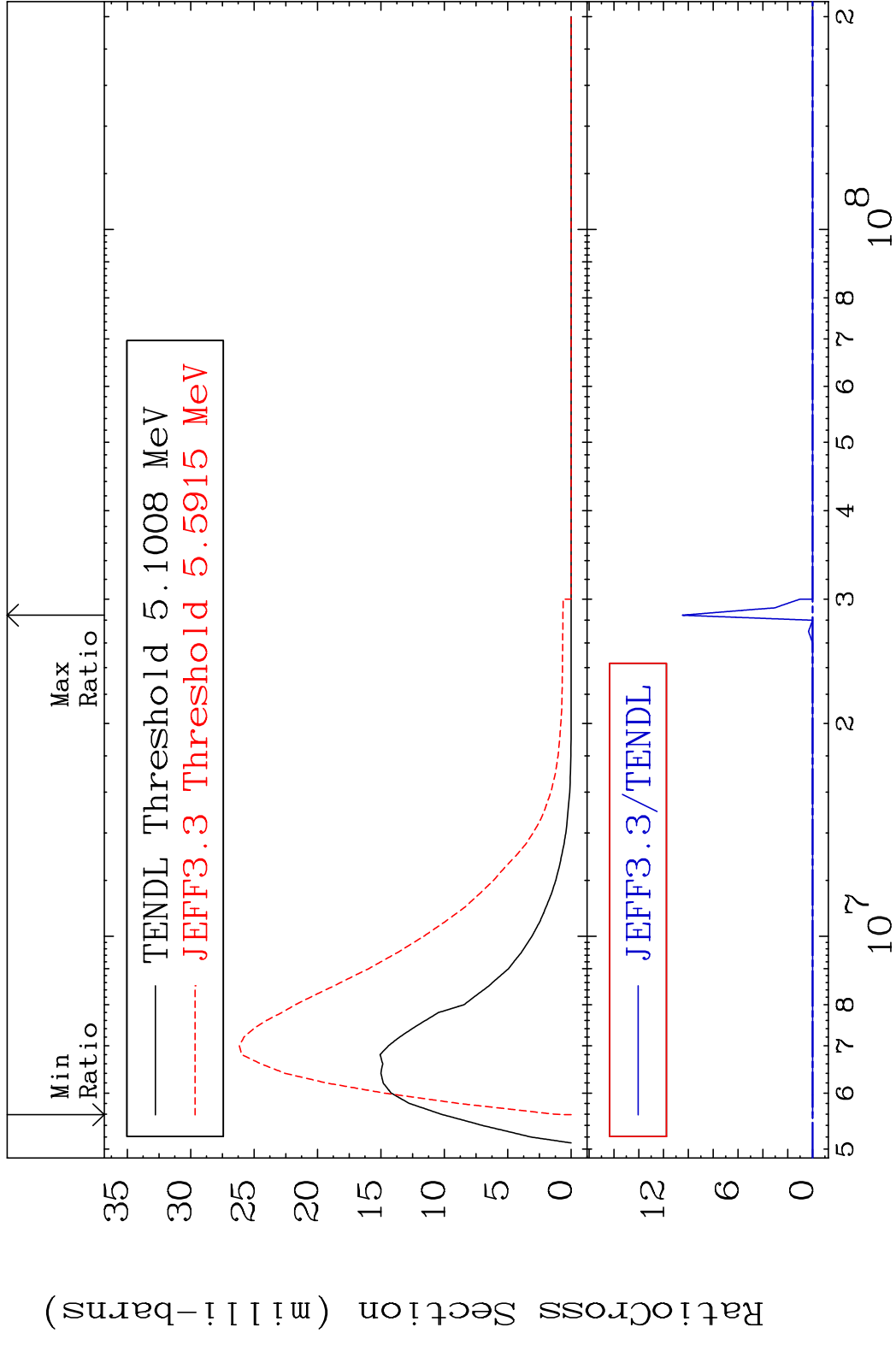
MAT 1028 MT= 61 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %



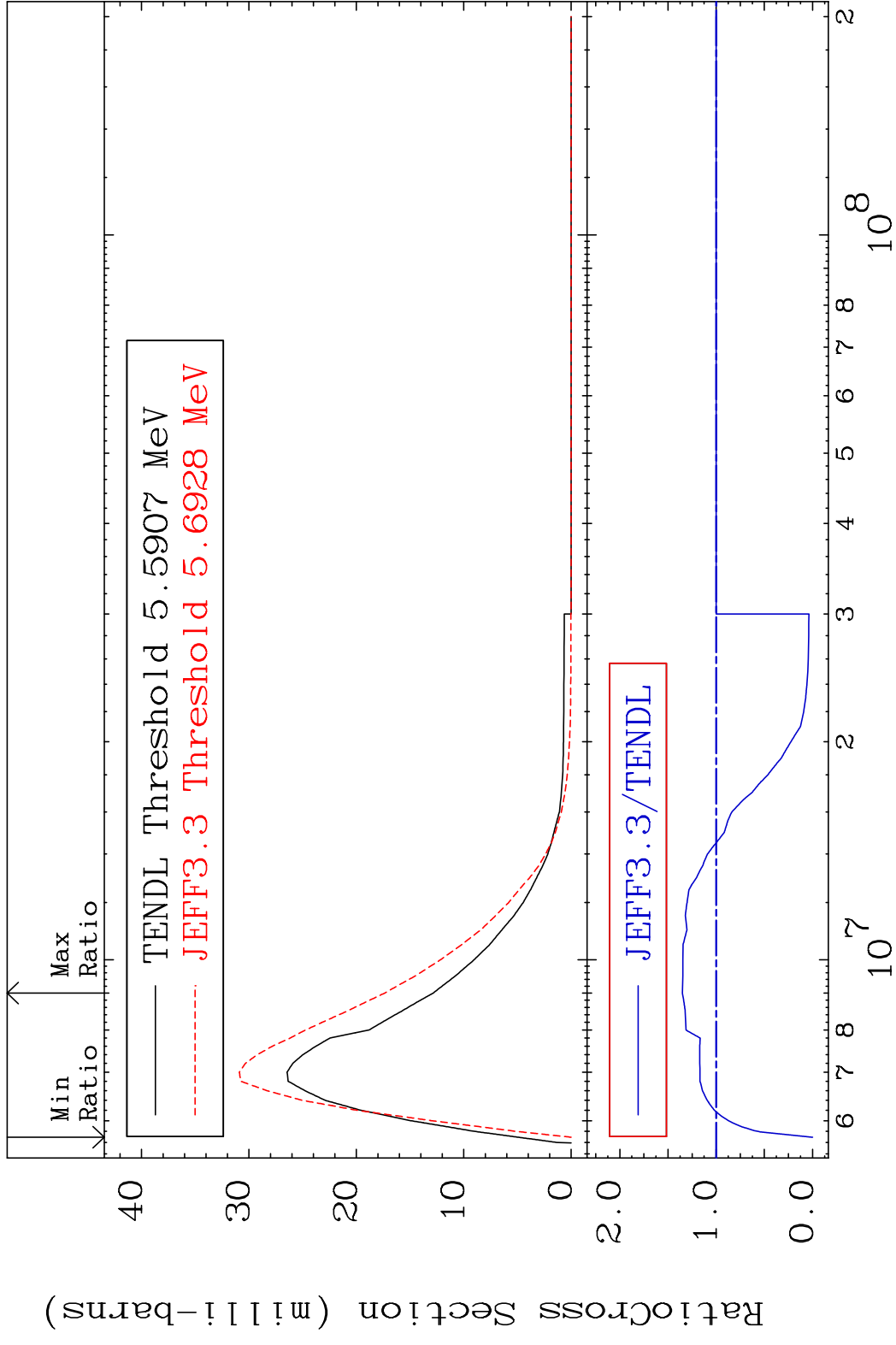
MAT 1028 MT= 62 (n, n') Level 10-Ne-21
 Cross Section -1.629 To 9999. %



MAT 1028 MT= 63 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %

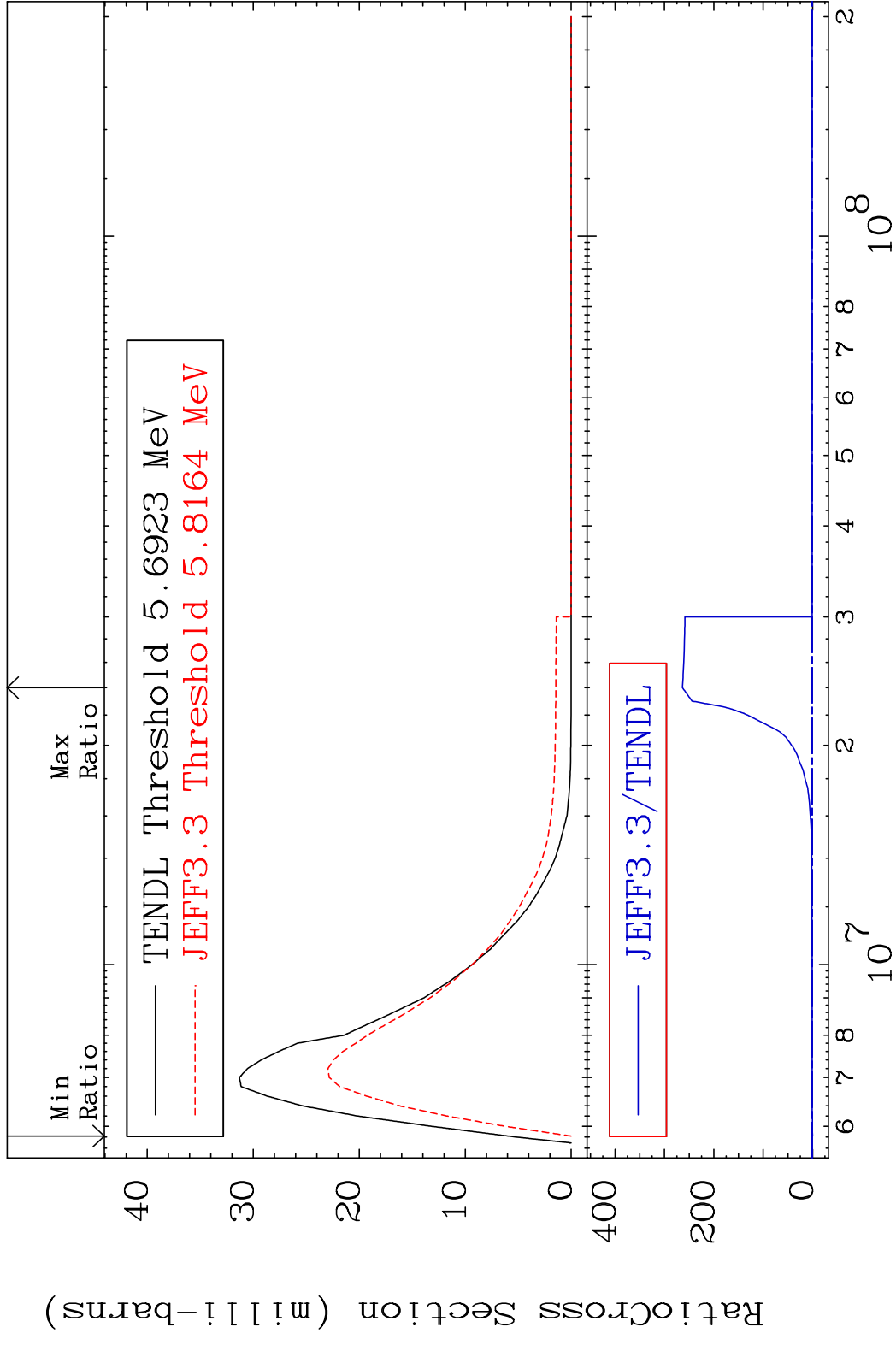


MAT 1028 MT= 64 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 35.11 %

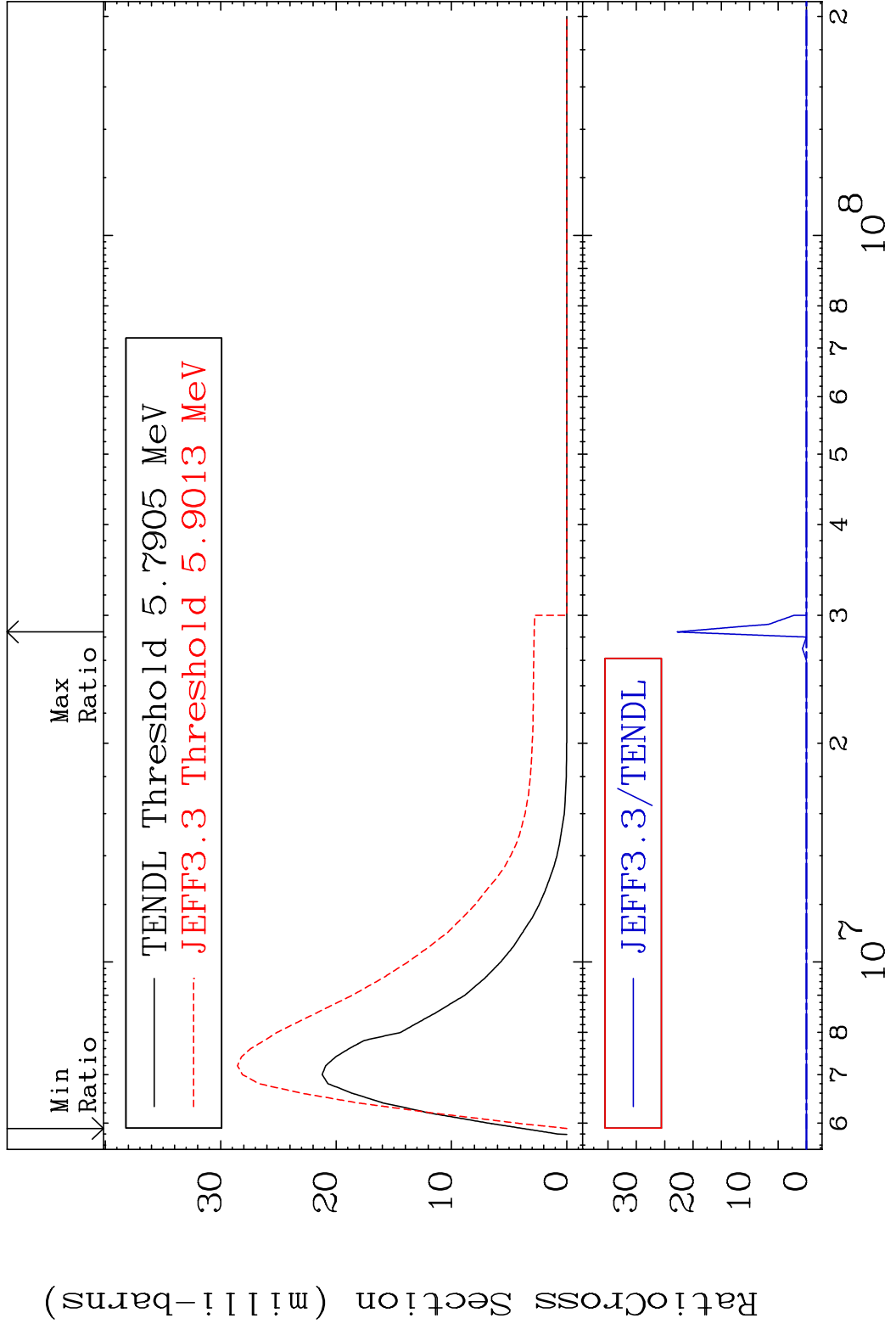


30 Incident Energy (eV) 10-Ne-21

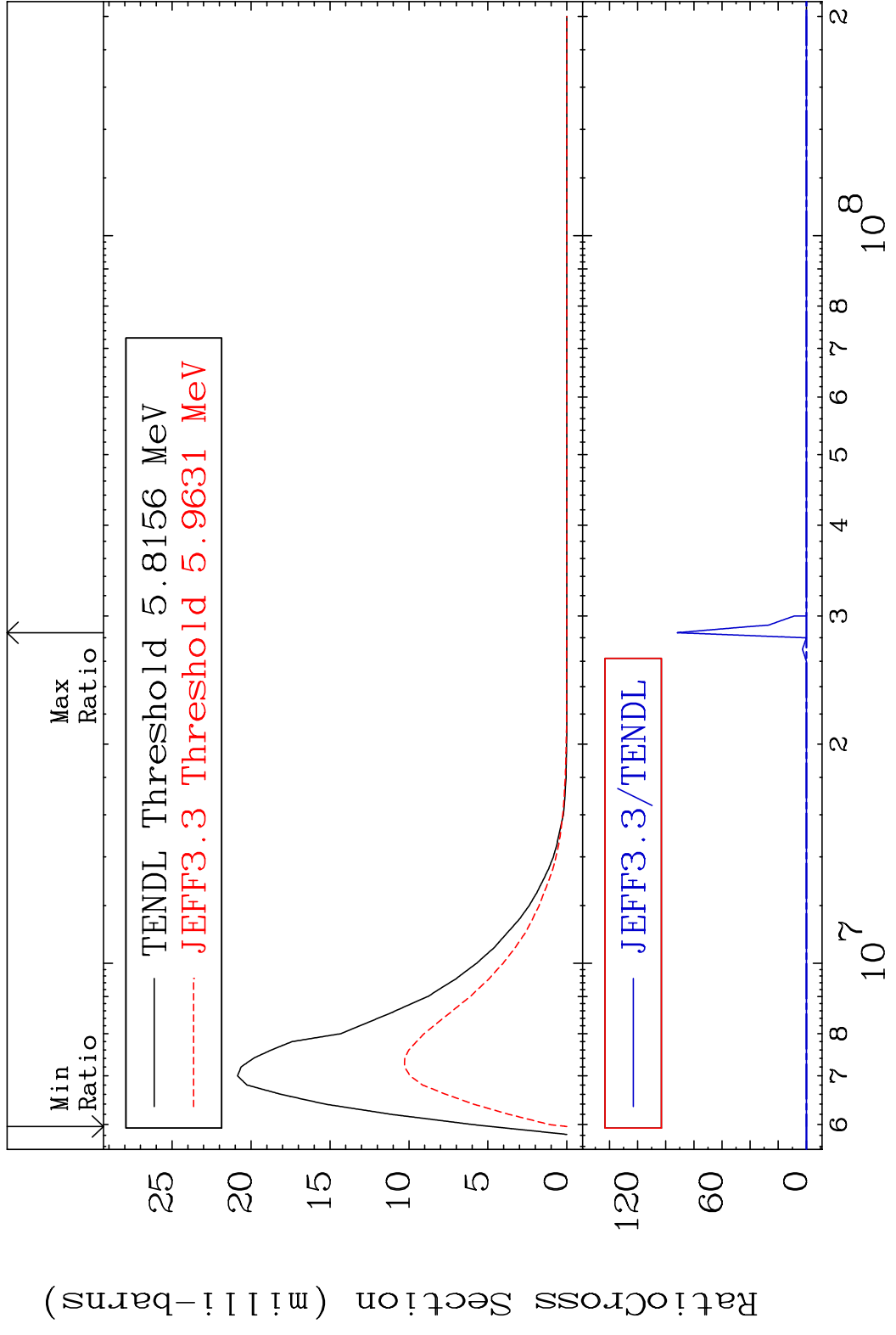
MAT 1028 MT= 65 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %



MAT 1028 MT= 66 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %

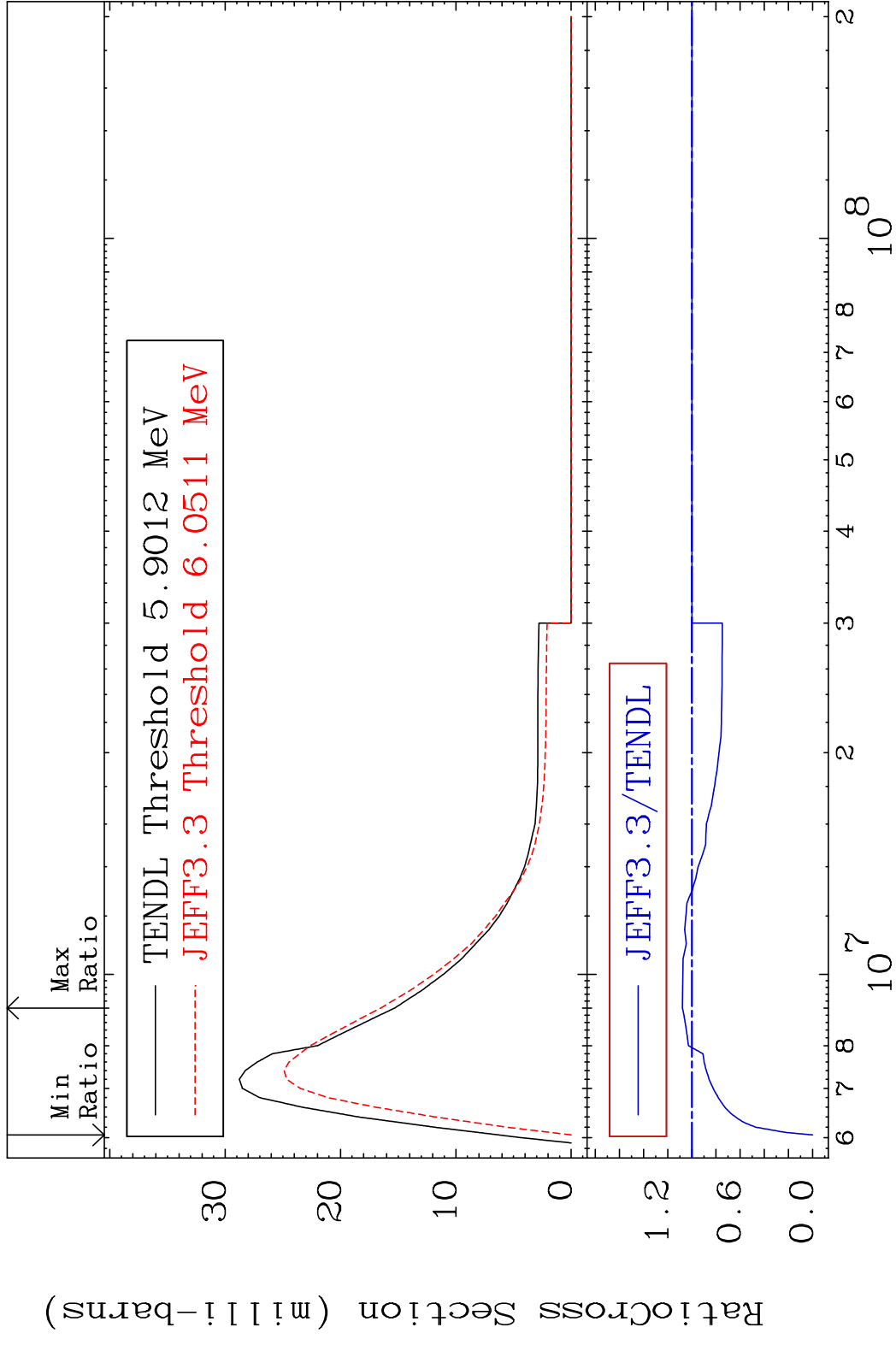


MAT 1028 MT= 67 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %

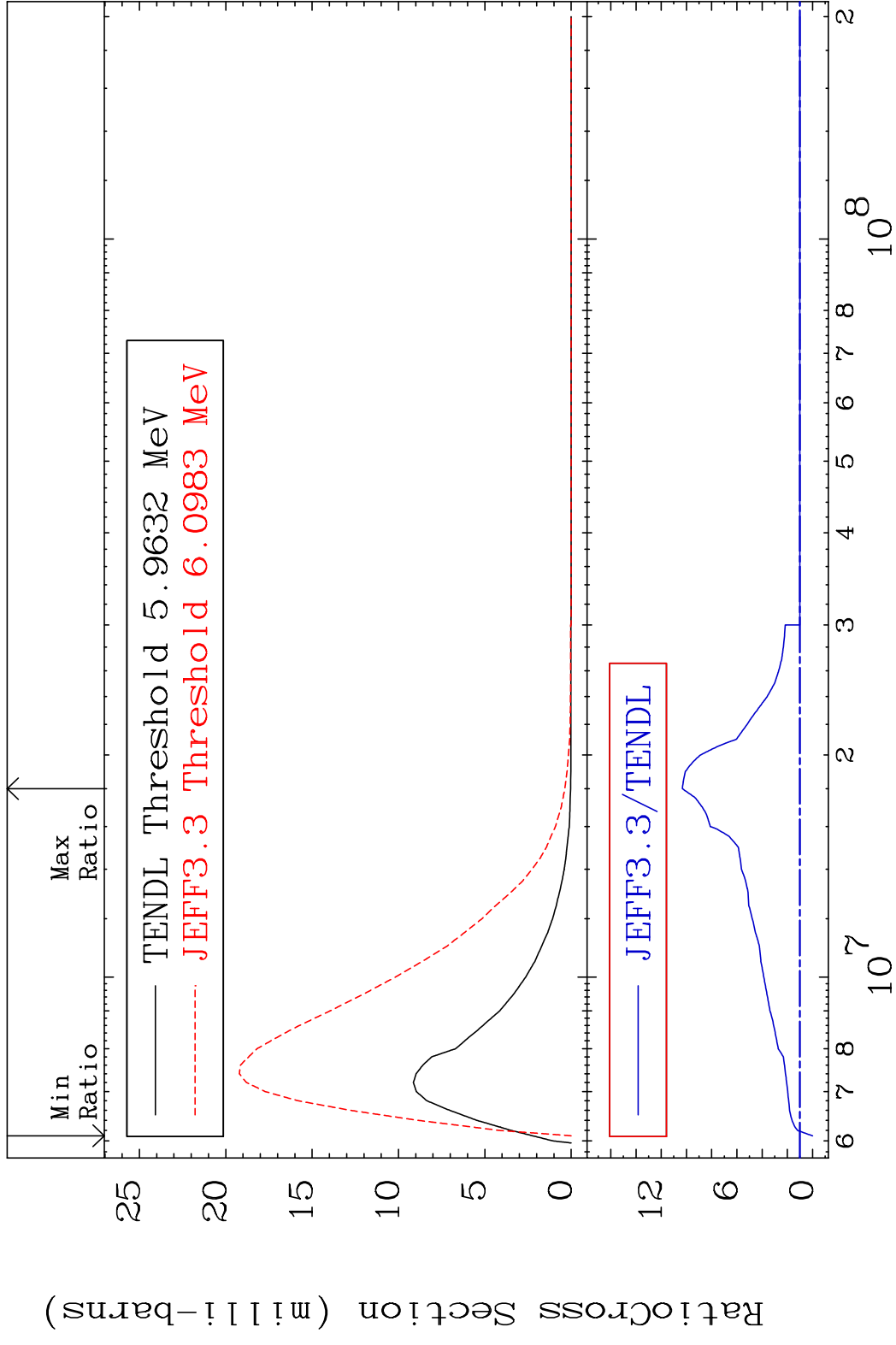


33 Incident Energy (eV) 10-Ne-21

MAT 1028 MT= 68 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 7.900 %

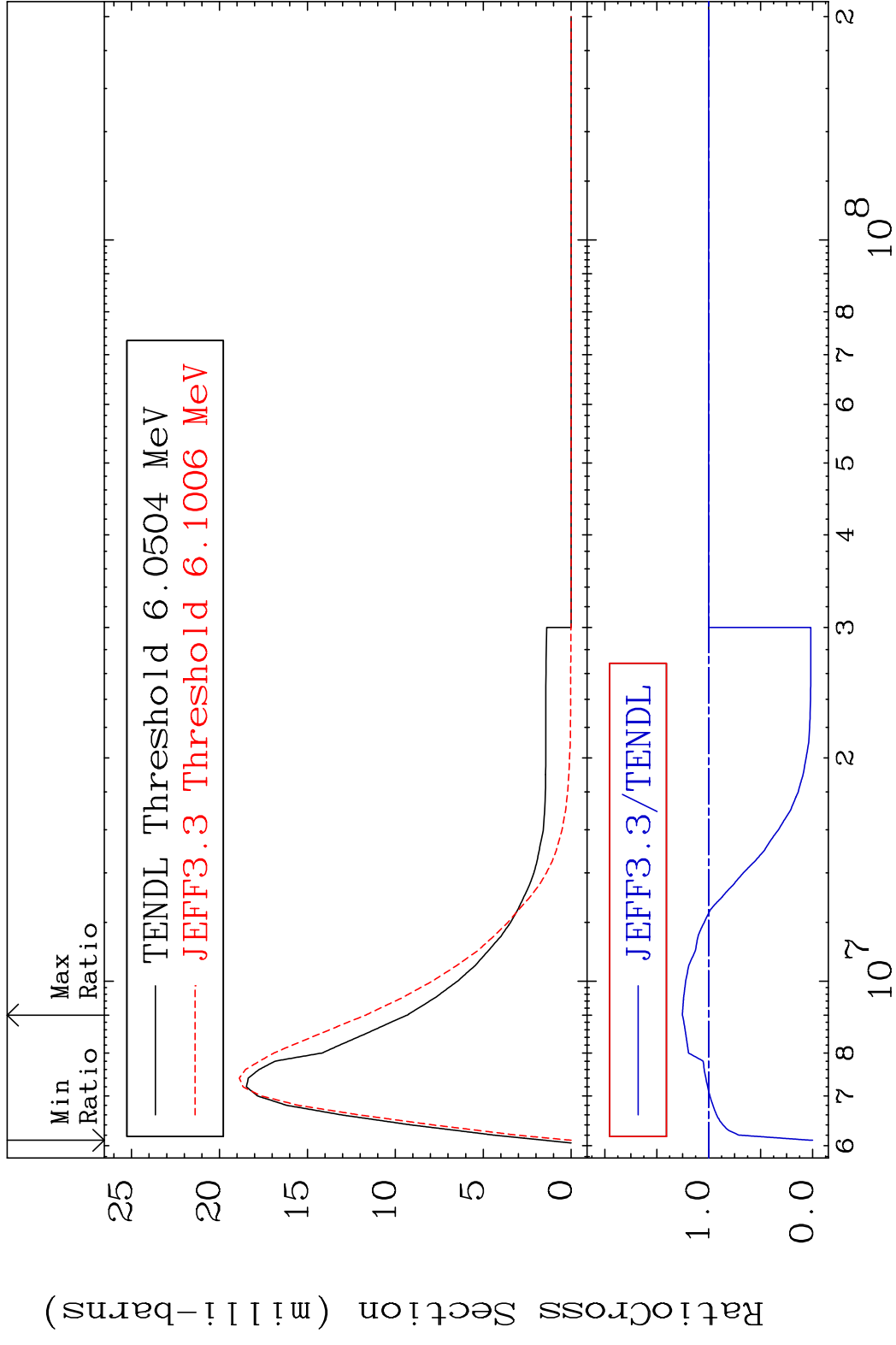


MAT 1028 MT= 69 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 932.4 %

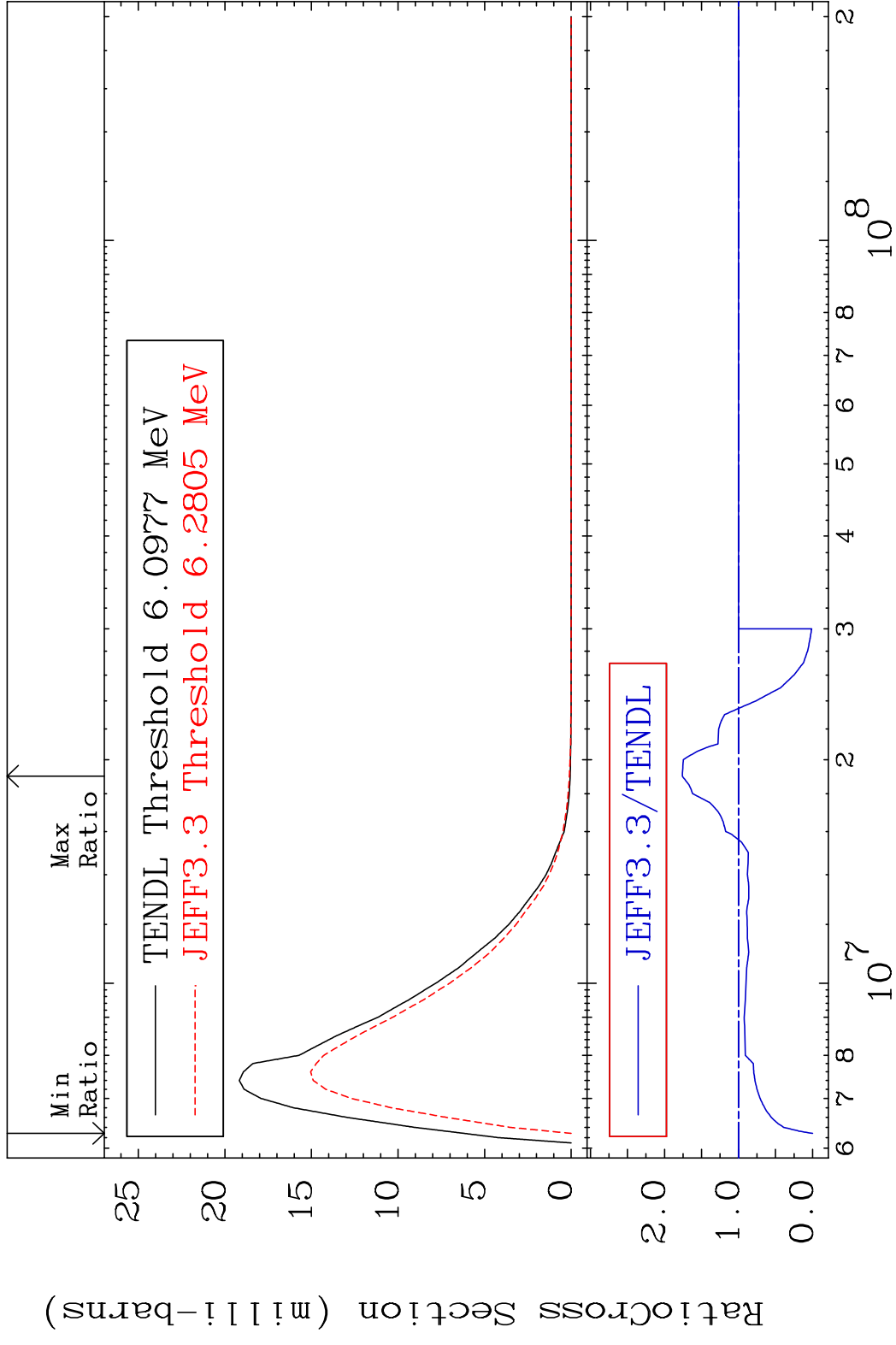


35 Incident Energy (eV) 10-Ne-21

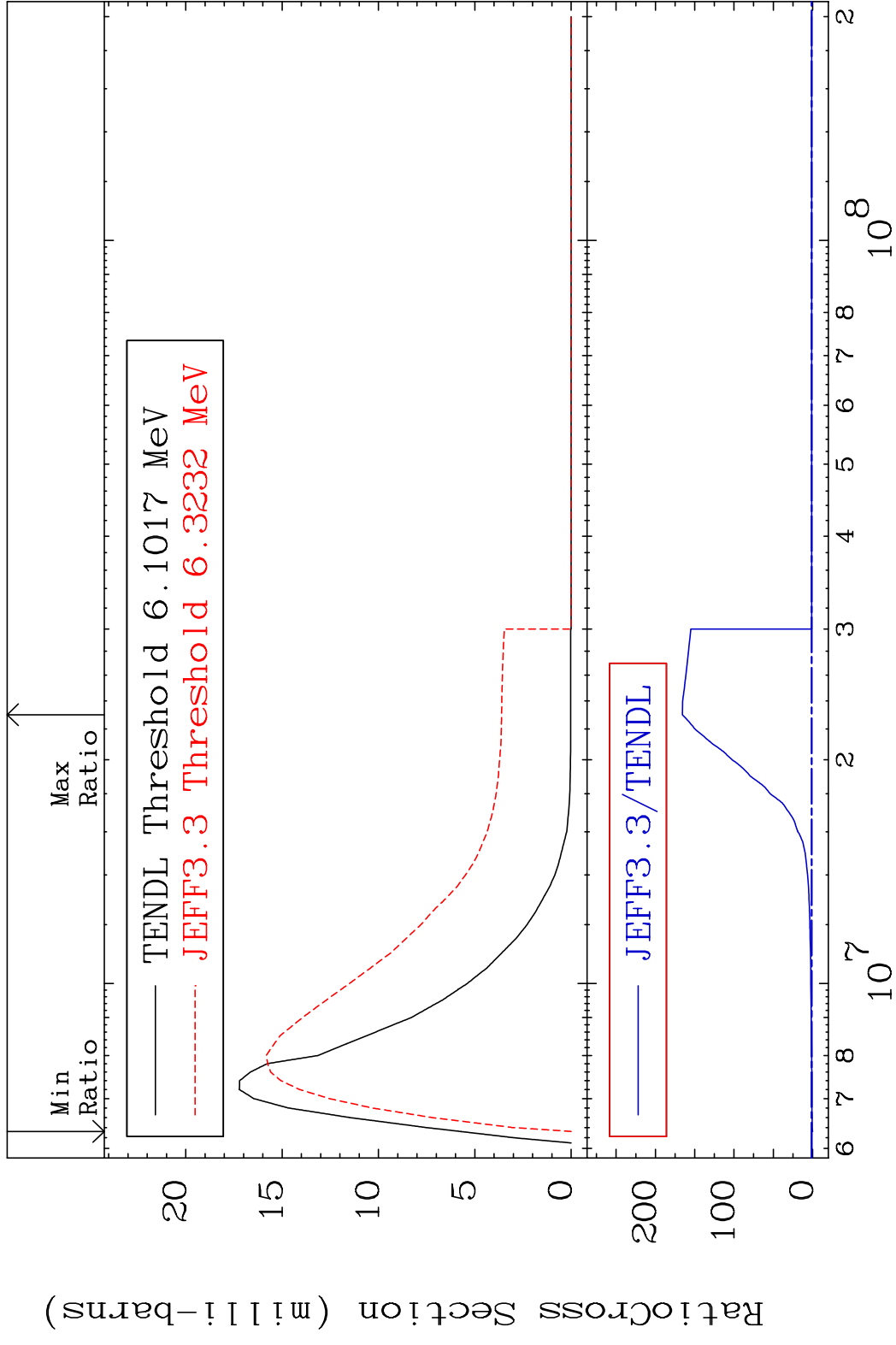
MAT 1028 MT= 70 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 25.34 %



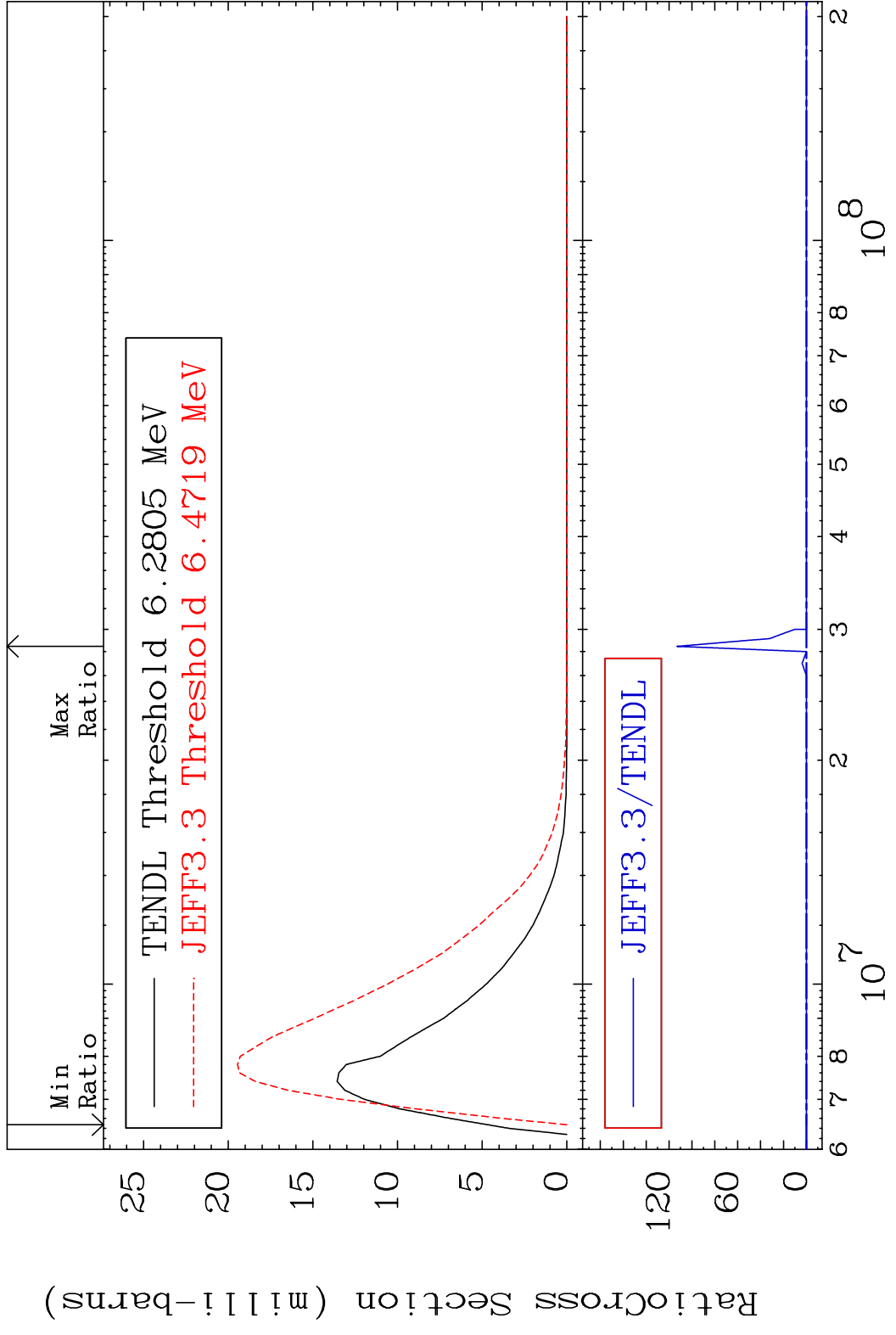
MAT 1028 MT= 71 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 75.89 %



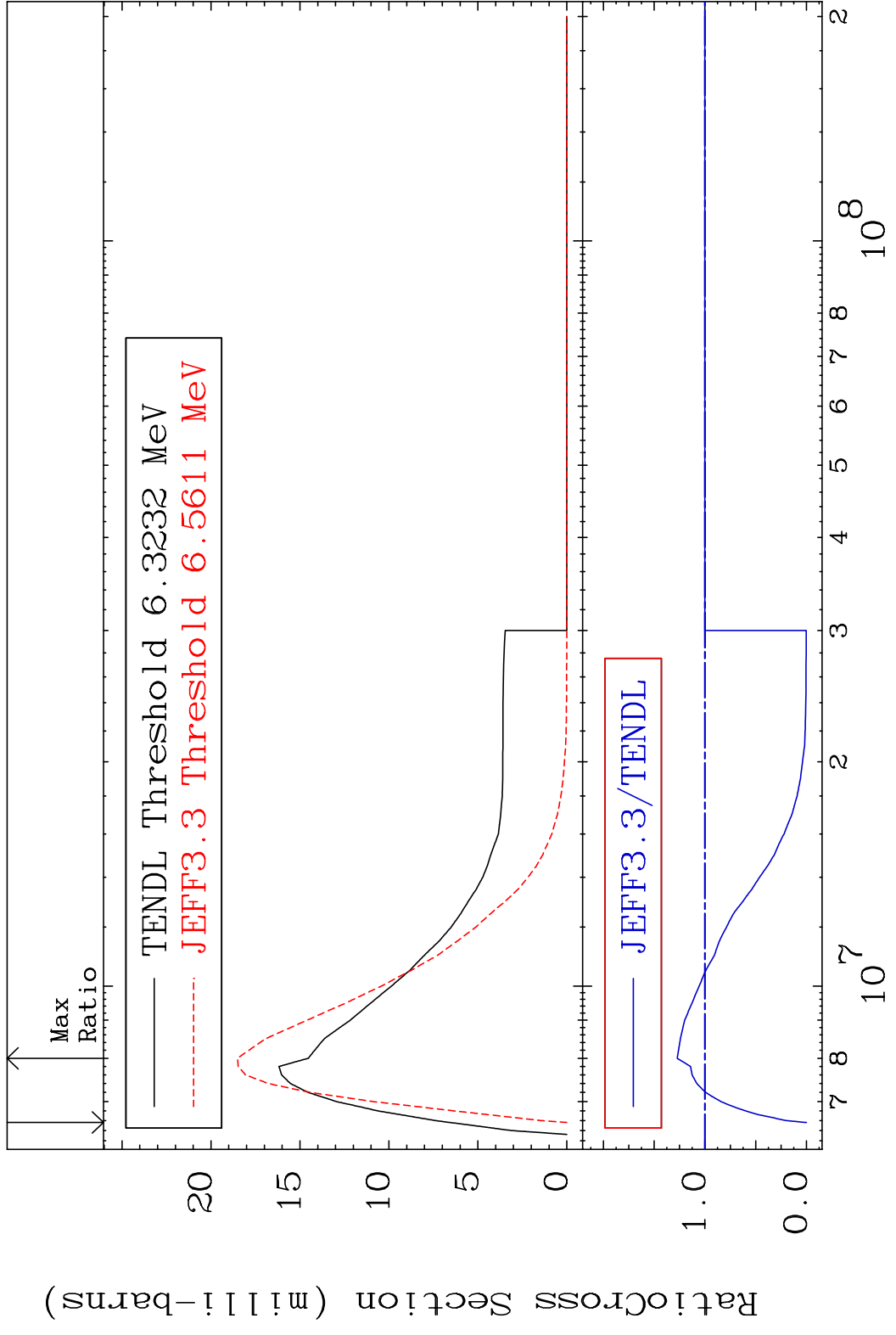
MAT 1028 MT= 72 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %



MAT 1028 MT= 73 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 9999. %

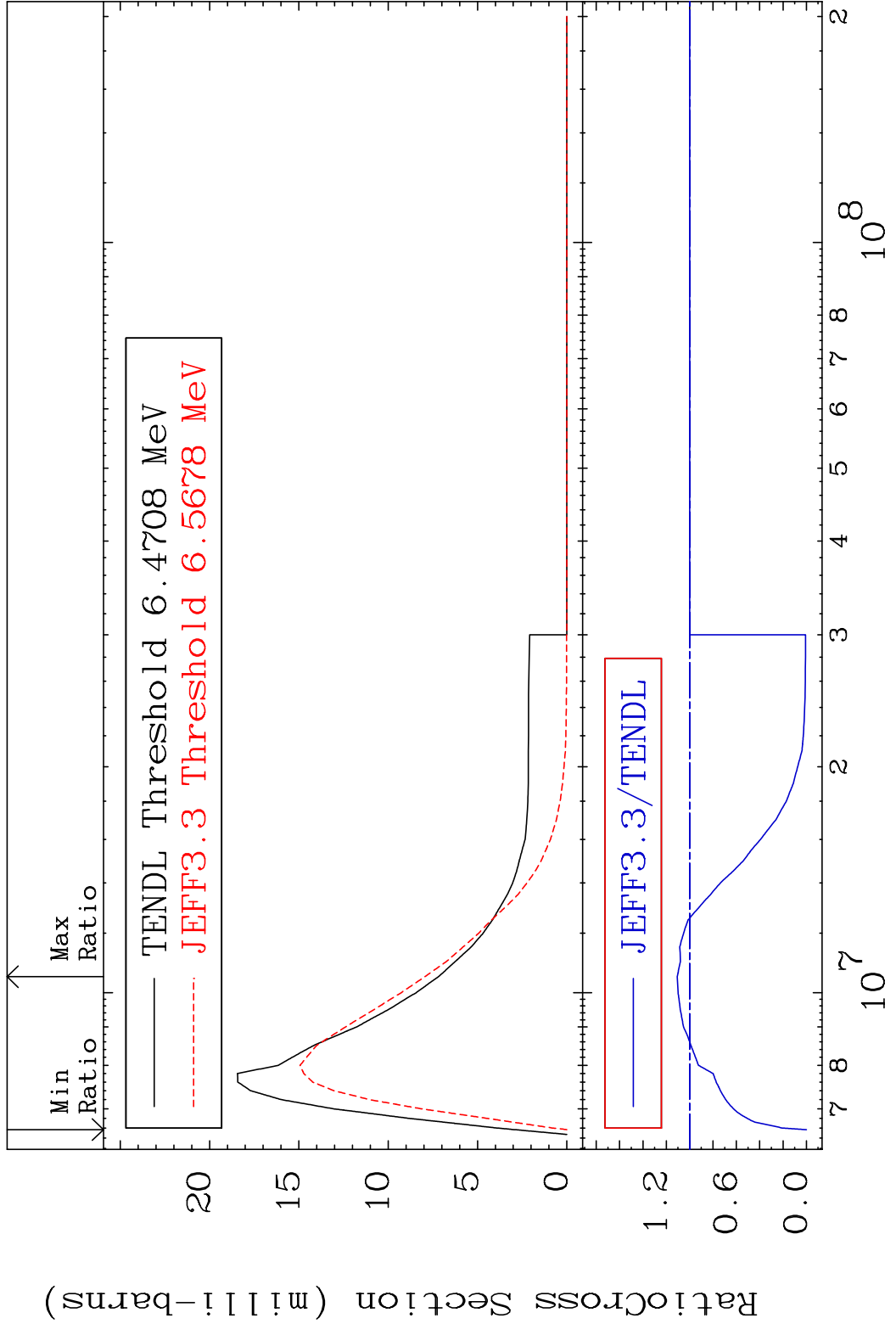


MAT 1028 MT= 74 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 27.34 %

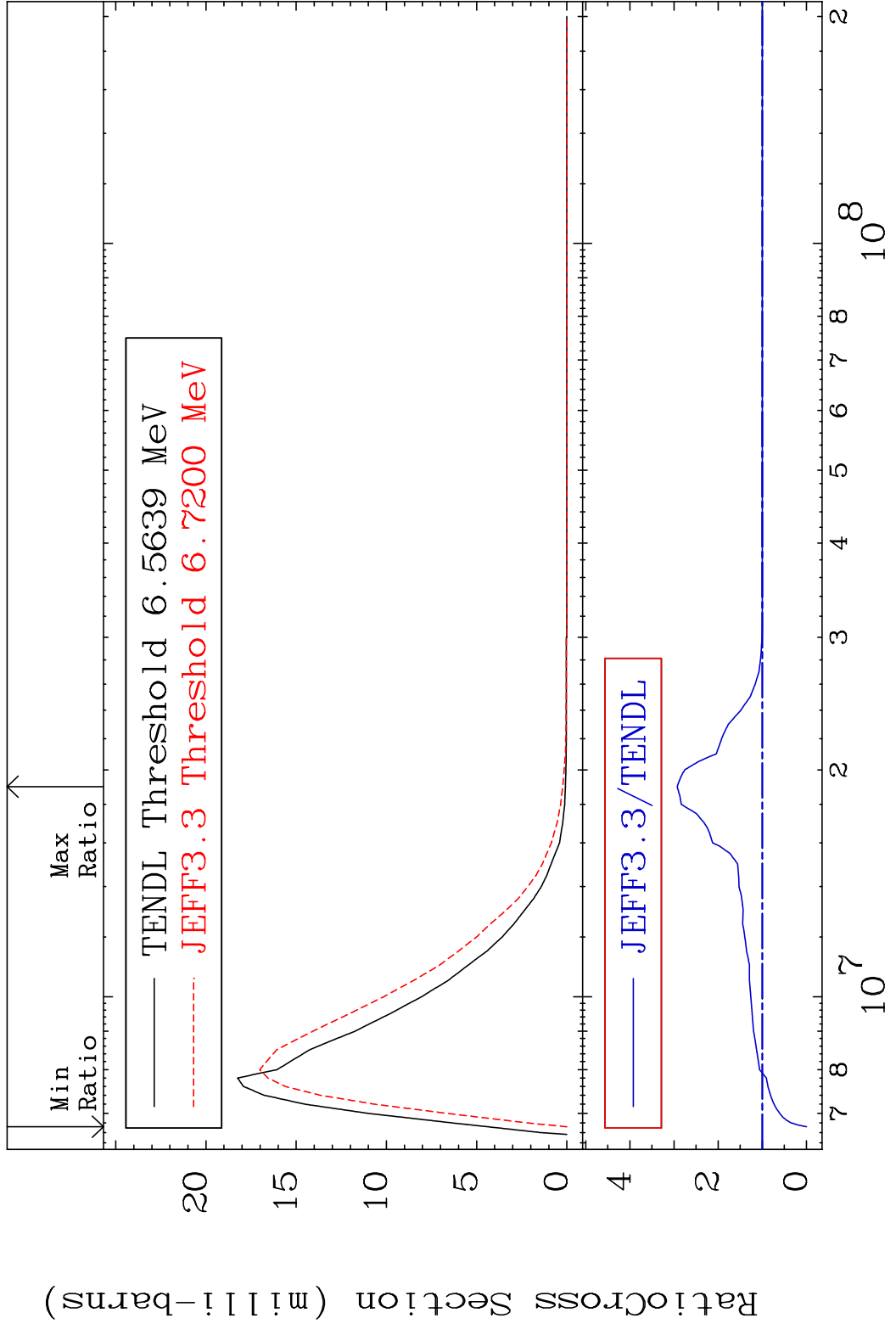


40 10⁷ 10⁸ 2

MAT 1028 MT= 75 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 10.67 %

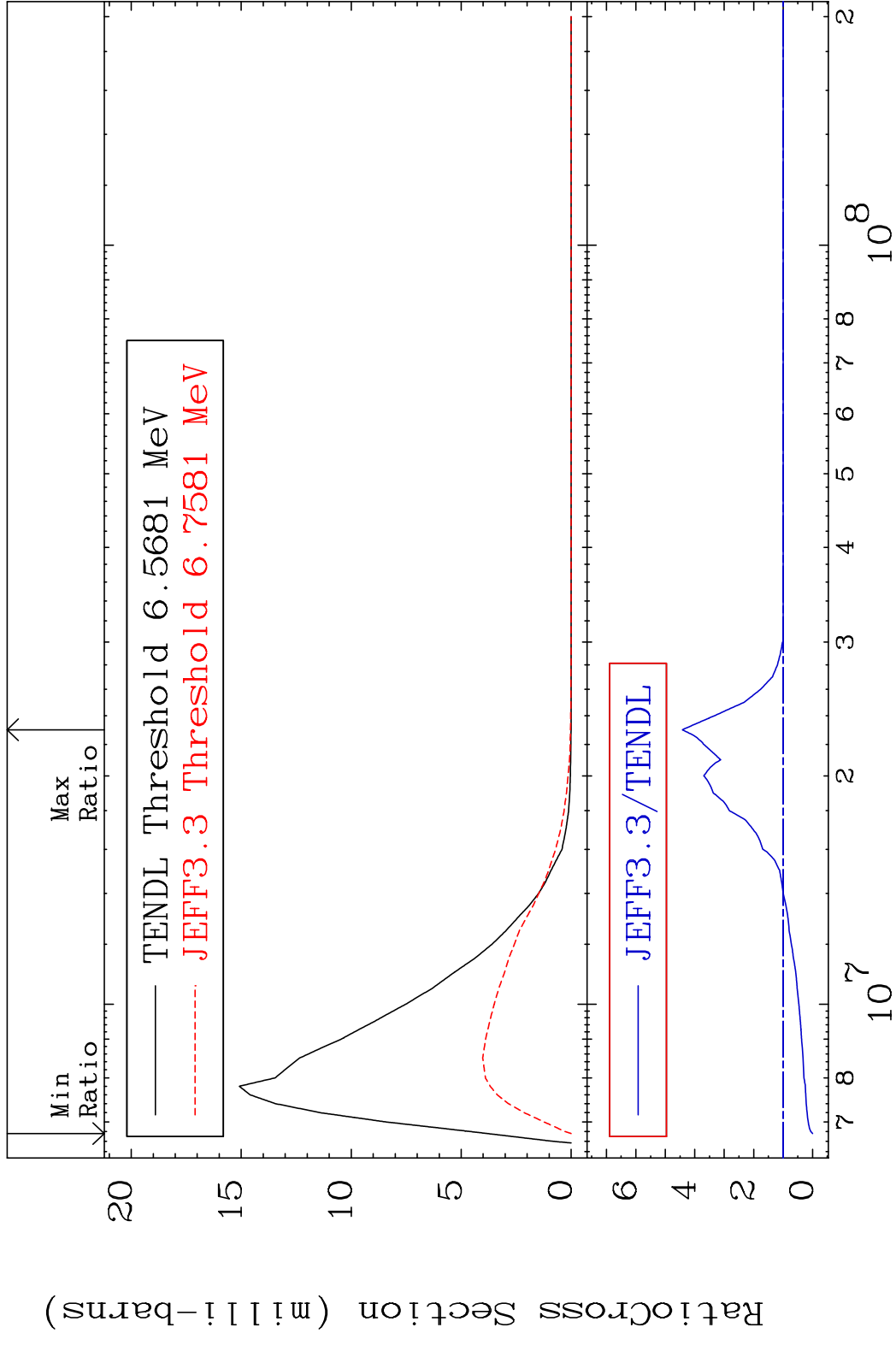


MAT 1028 MT= 76 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 192.8 %

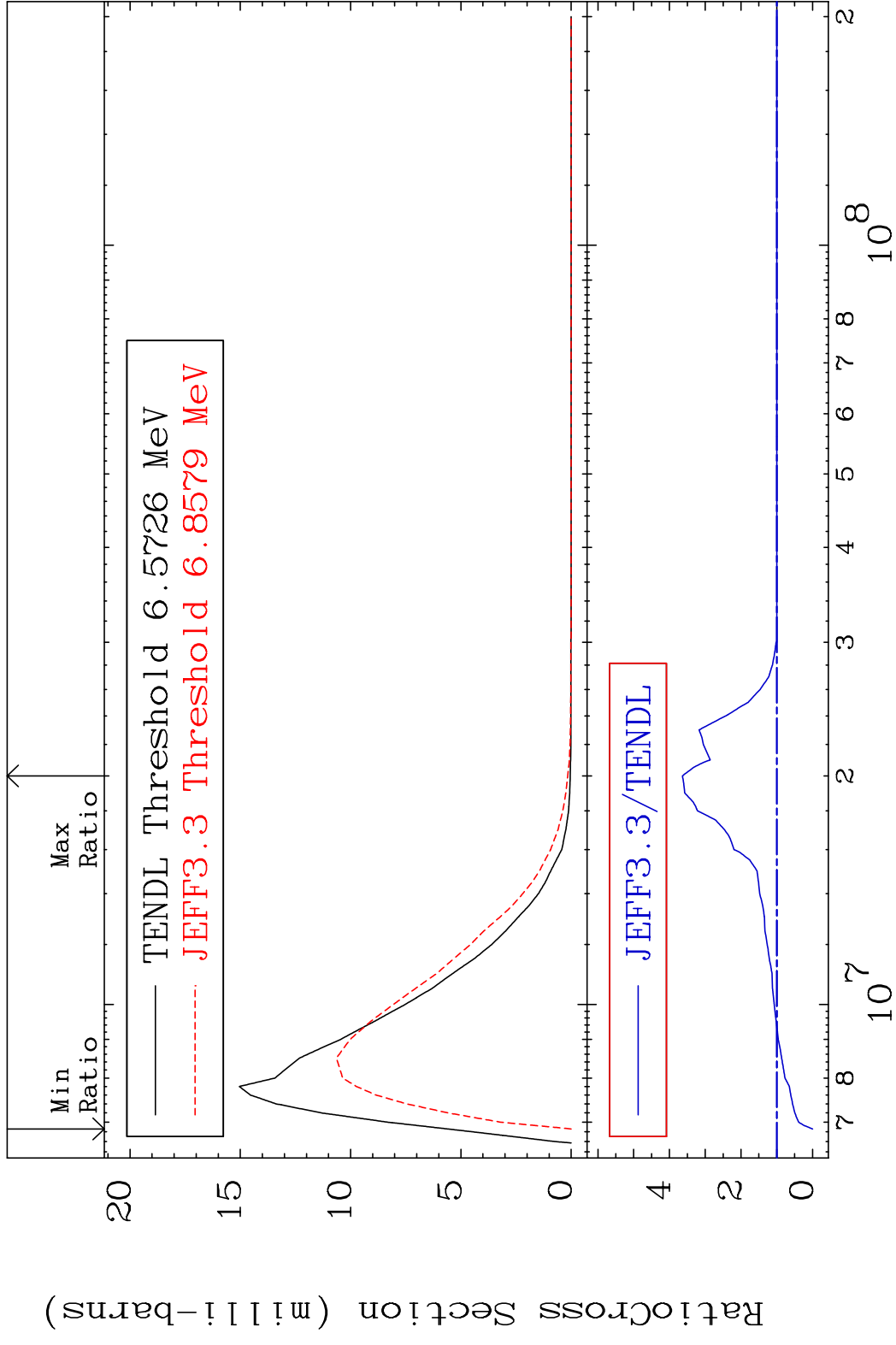


42 Incident Energy (eV) 10-Ne-21

MAT 1028 MT= 77 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 342.1 %

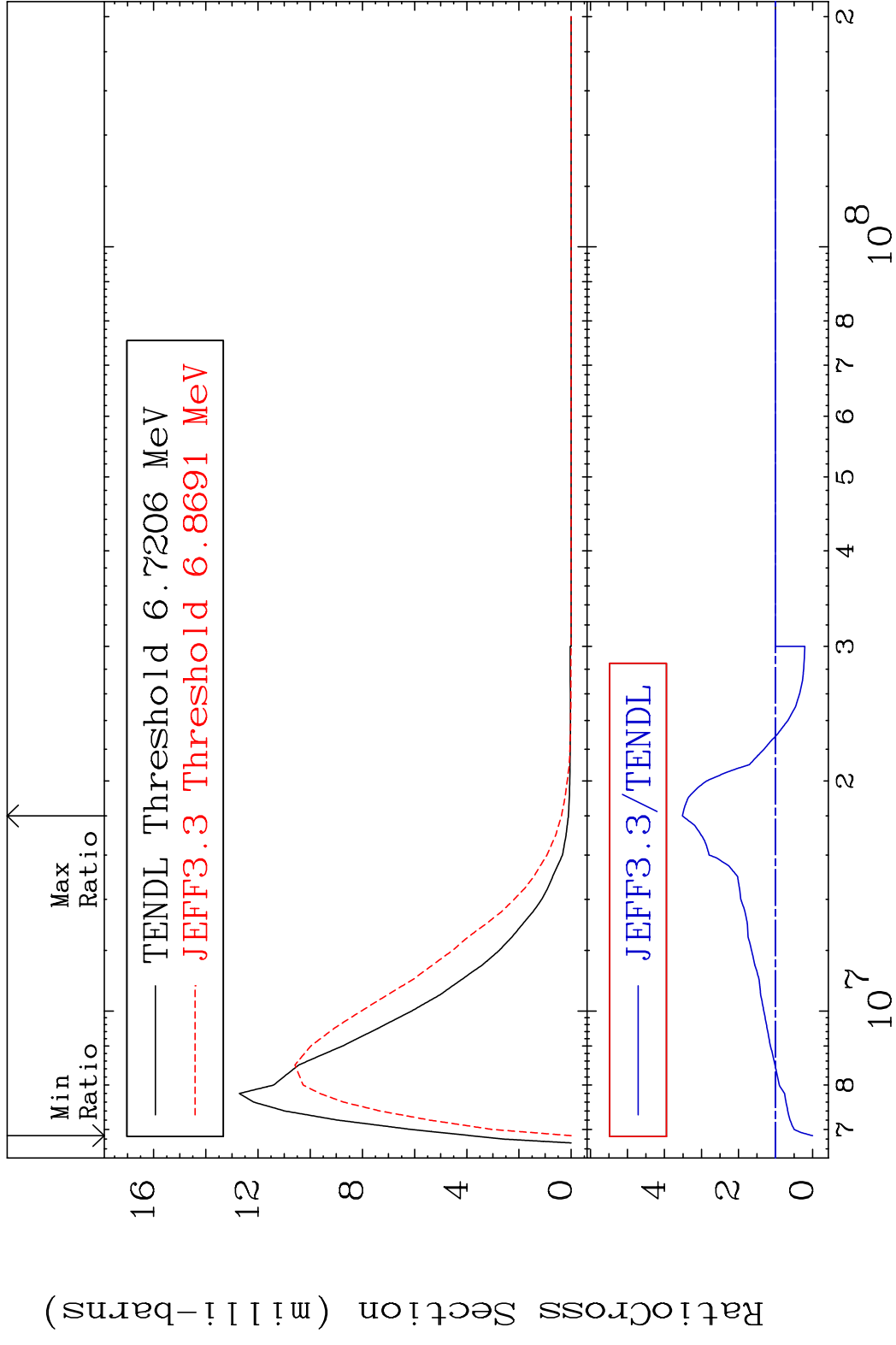


MAT 1028 MT= 78 (n,n') Level 10-Ne-21
 Cross Section -100.0 To 264.0 %



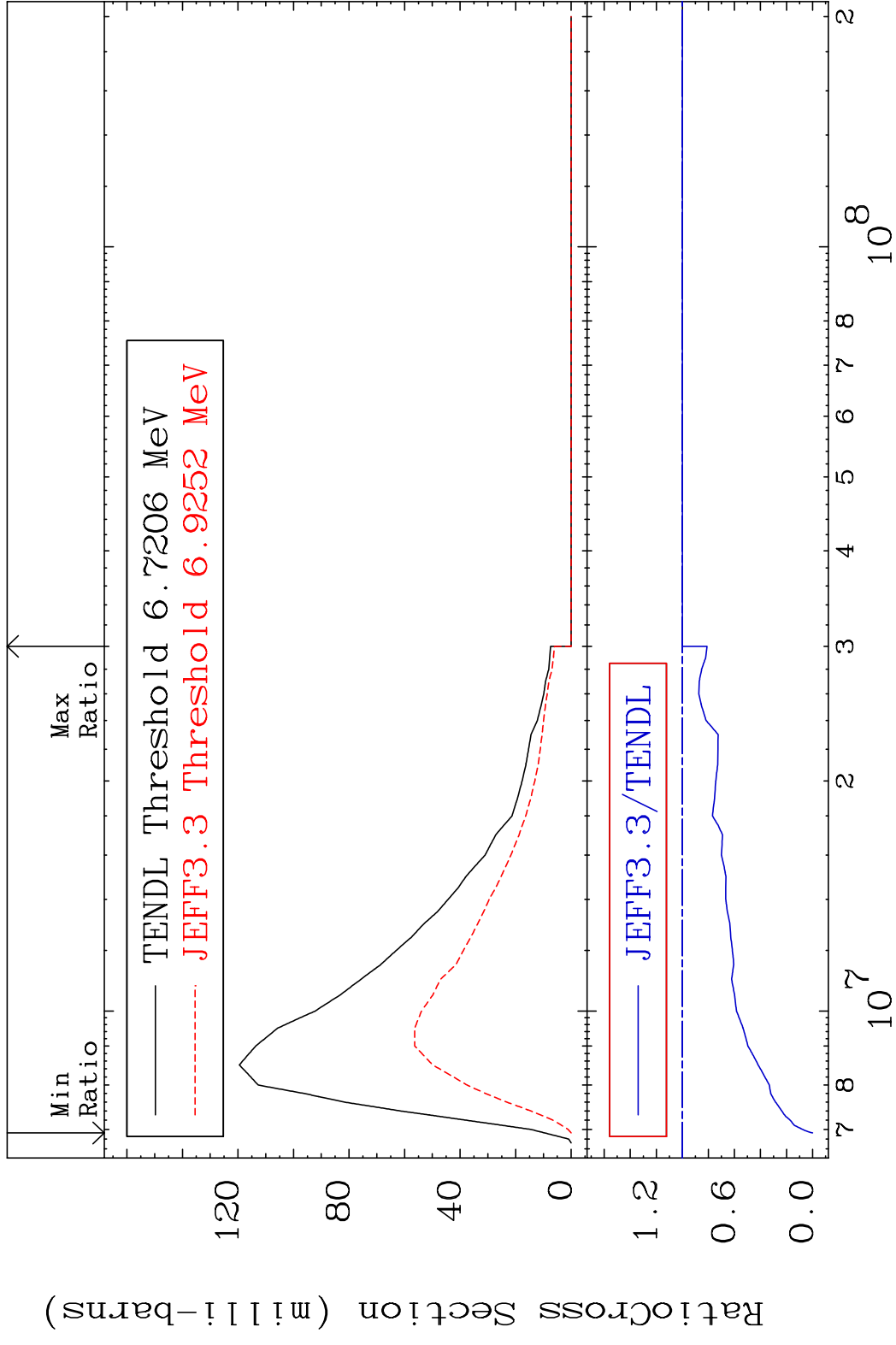
44 Incident Energy (eV) 10-Ne-21

MAT 1028 MT= 79 (n, n') Level 10-Ne-21
 Cross Section -100.0 To 251.6 %



45 10-Ne-21

MAT 1028 (n,n') Continuum 10-Ne-21
 Cross Section -100.0 To 0.000 %



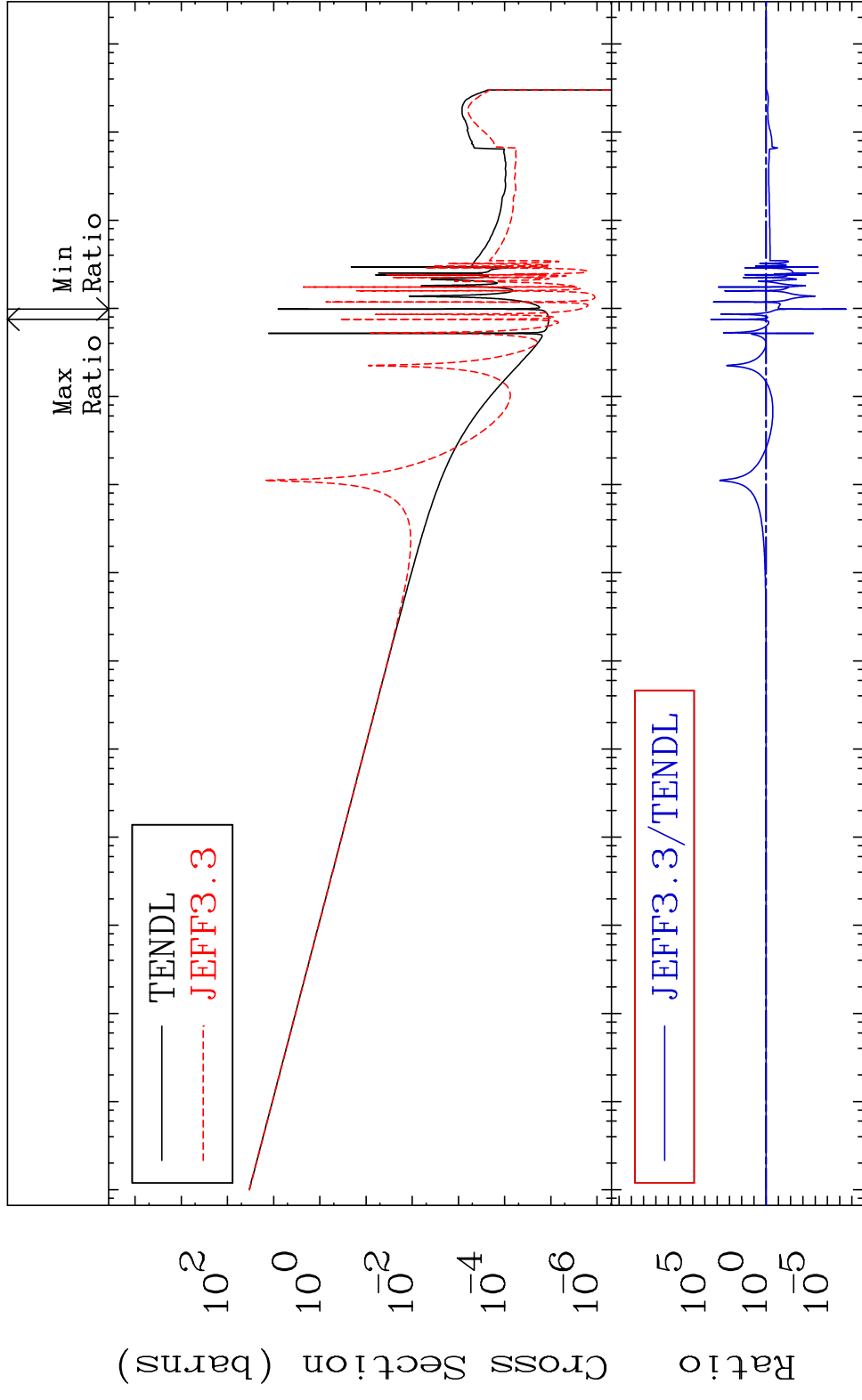
46 10-Ne-21

MAT 1028

(n, γ)

10-Ne-21

Cross Section -100.0 To 9999. %

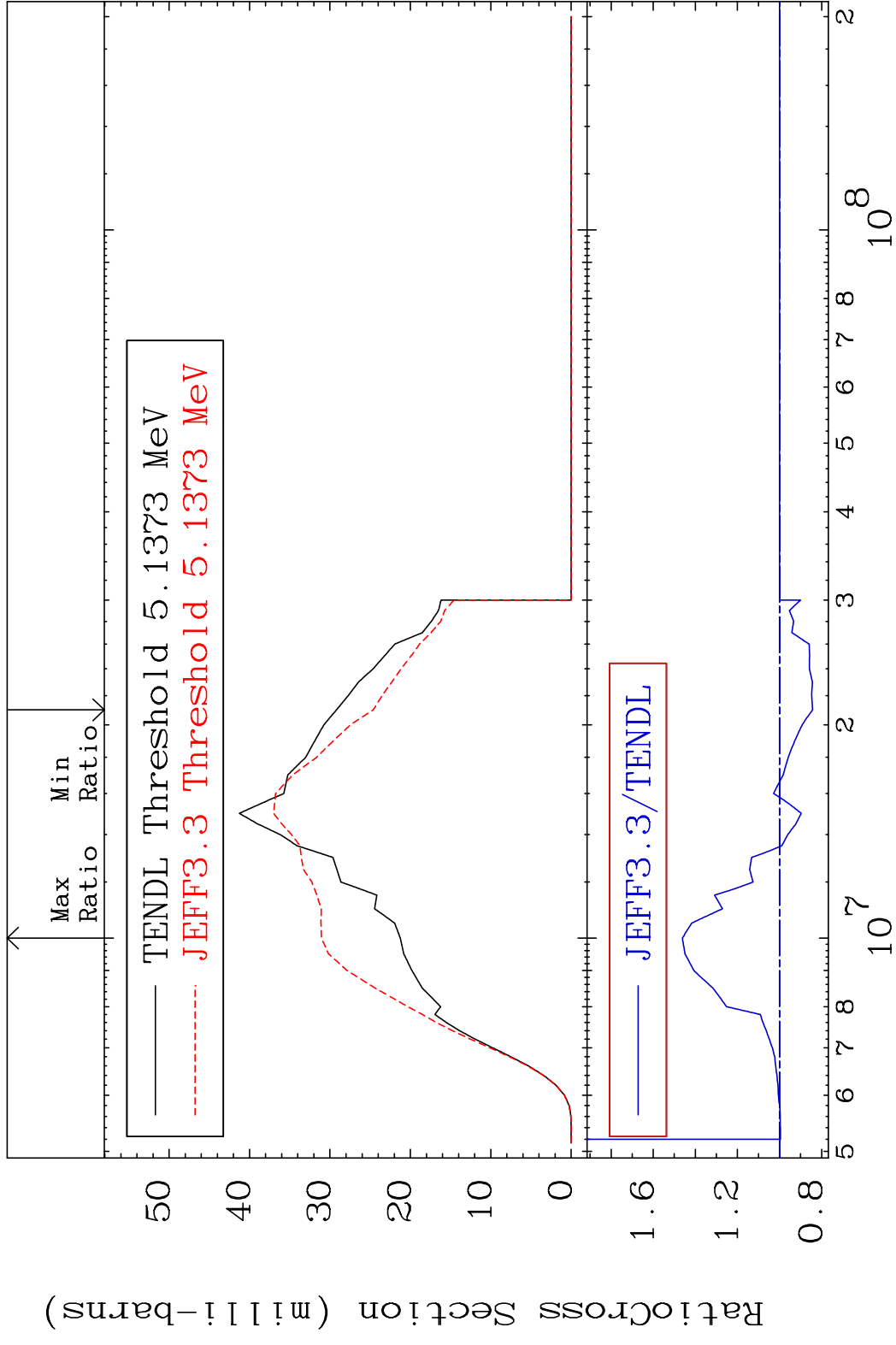


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Incident Energy (eV)

10-Ne-21

MAT 1028 (n,p) 10-Ne-21
 Cross Section -15.67 To 46.17 %

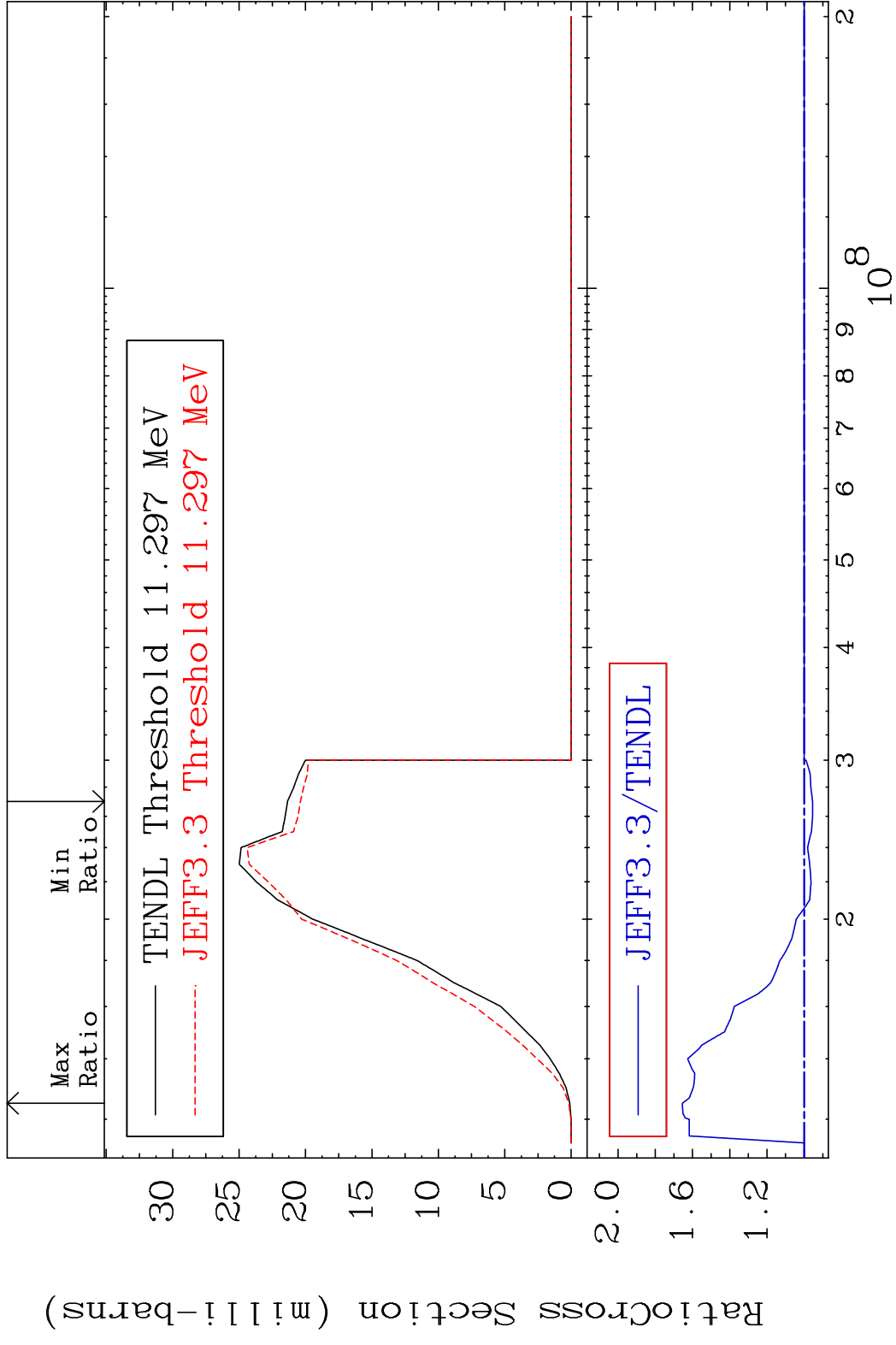


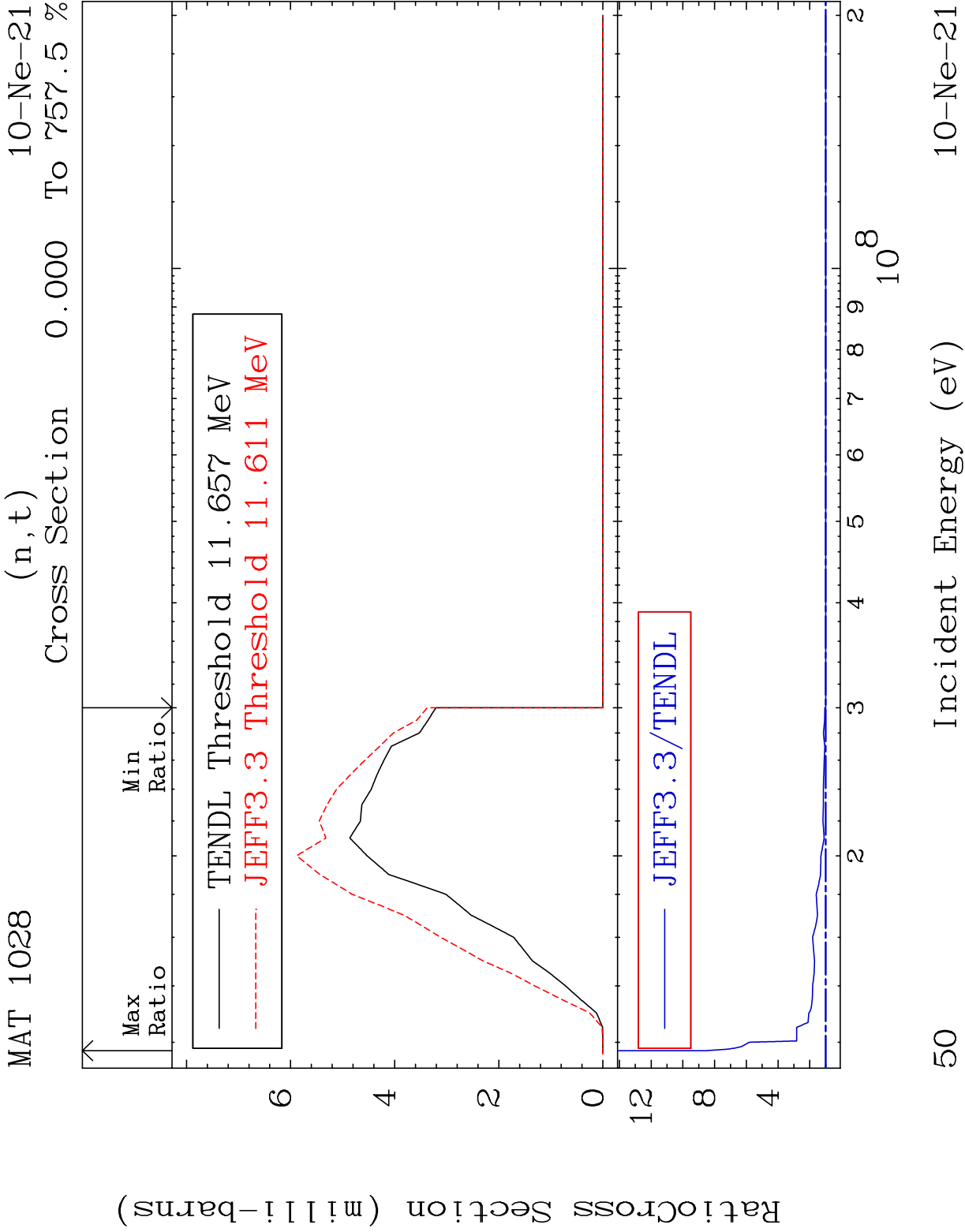
MAT 1028

(n, d)

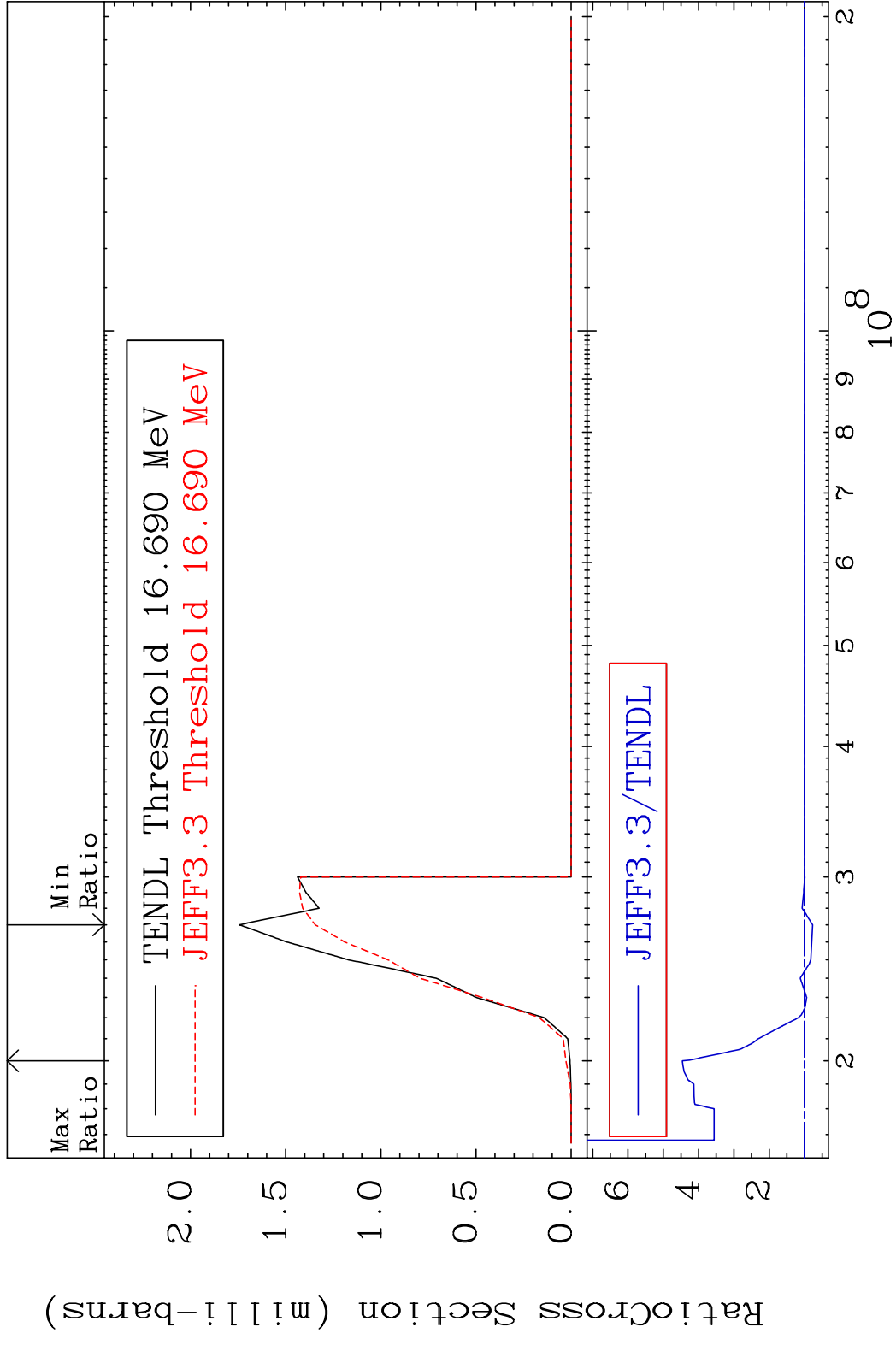
10-Ne-21

Cross Section -4.512 To 65.46 %





MAT 1028 (n, He-3) 10-Ne-21
 Cross Section -22.90 To 346.0 %

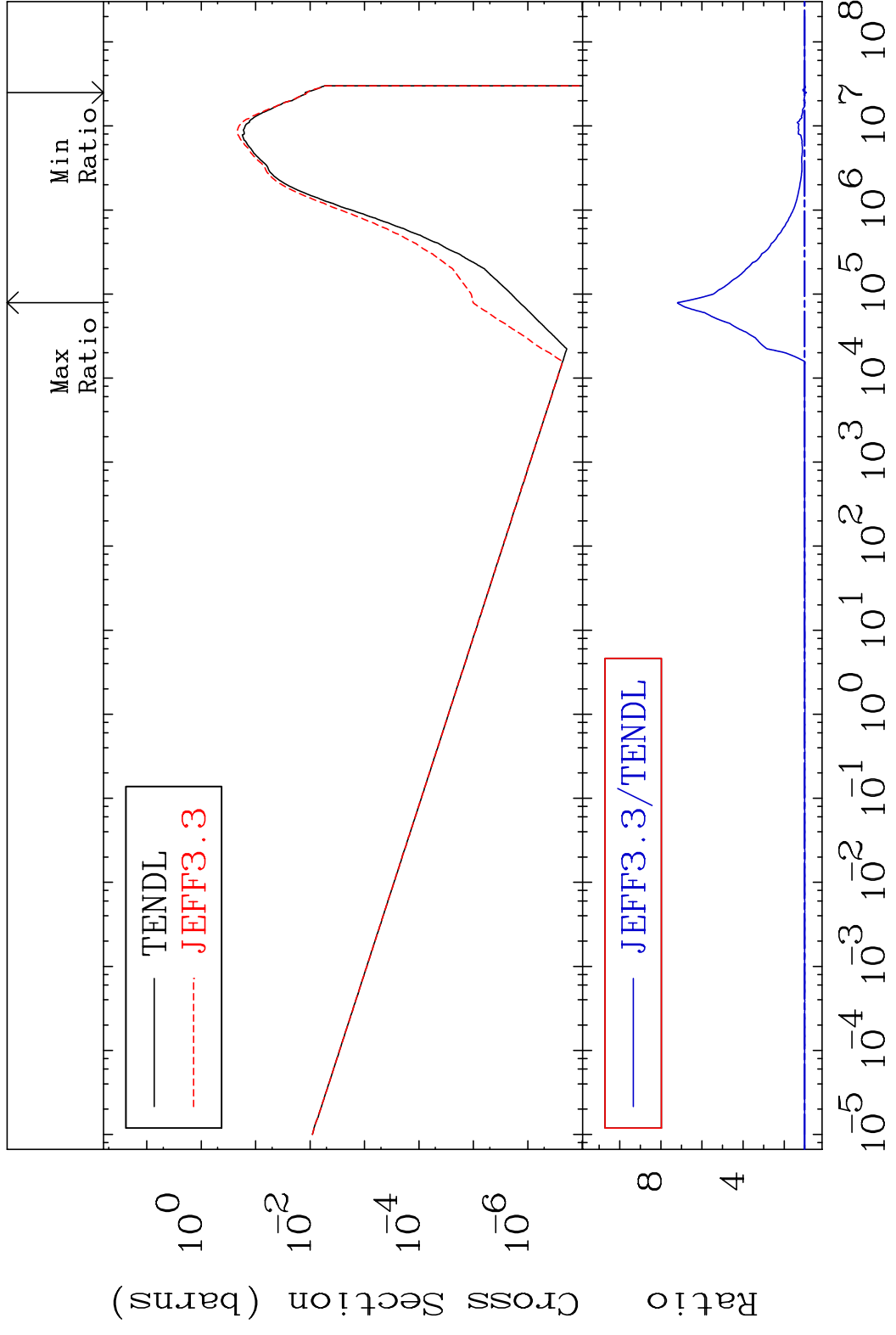


MAT 1028

(n, α)

10-Ne-21

Cross Section -8.222 To 620.6 %

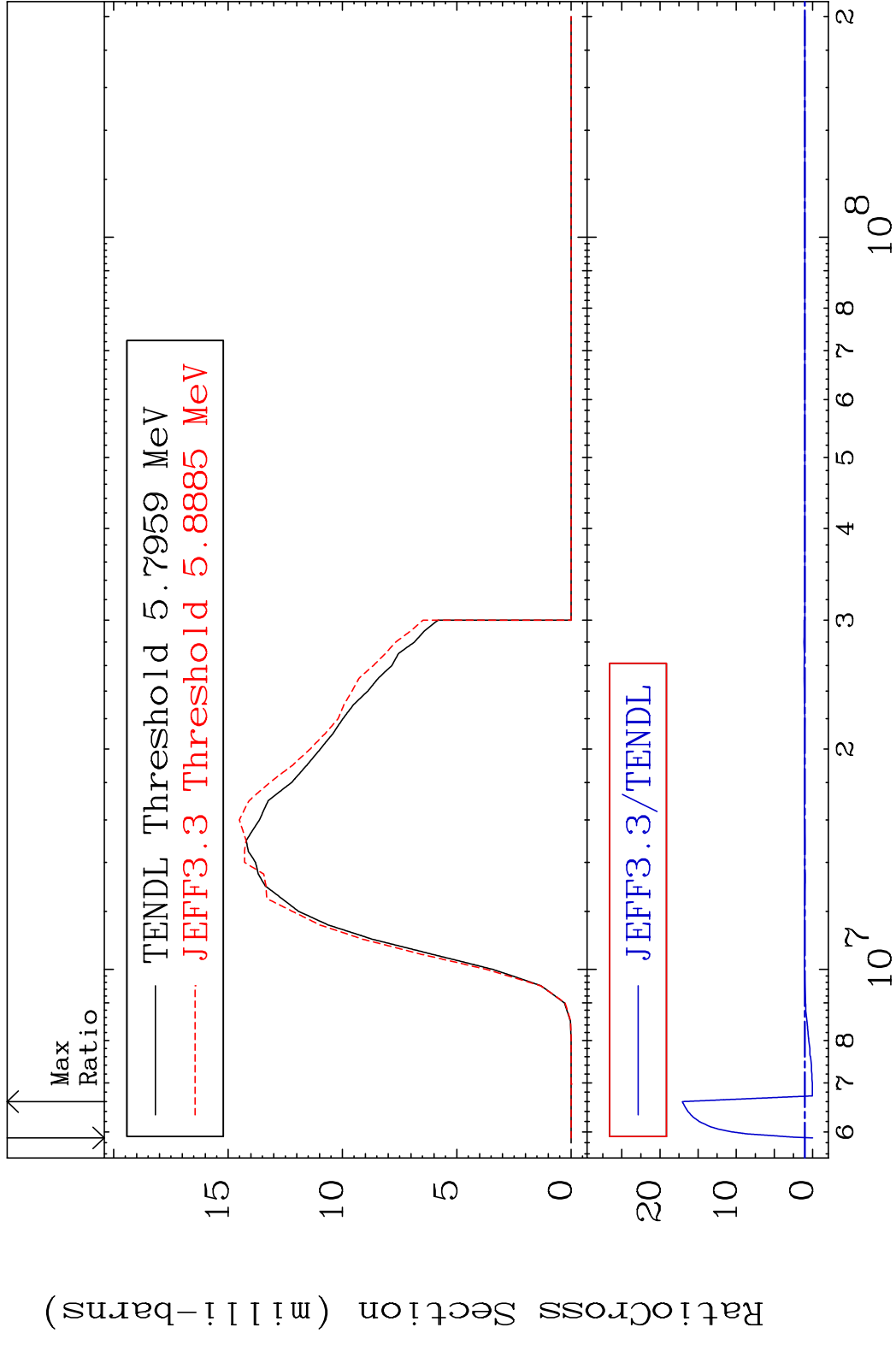


52

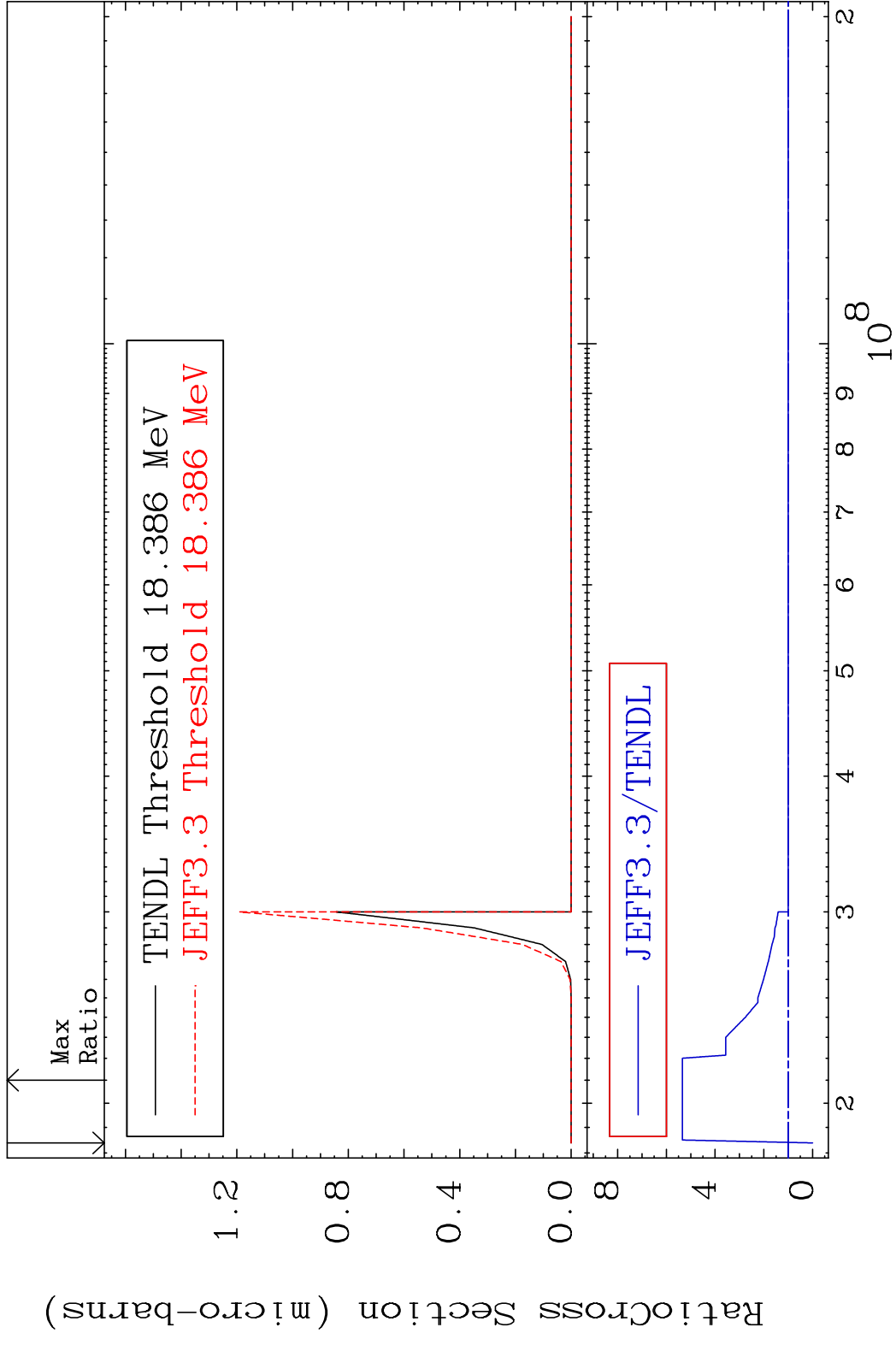
Incident Energy (eV)

10-Ne-21

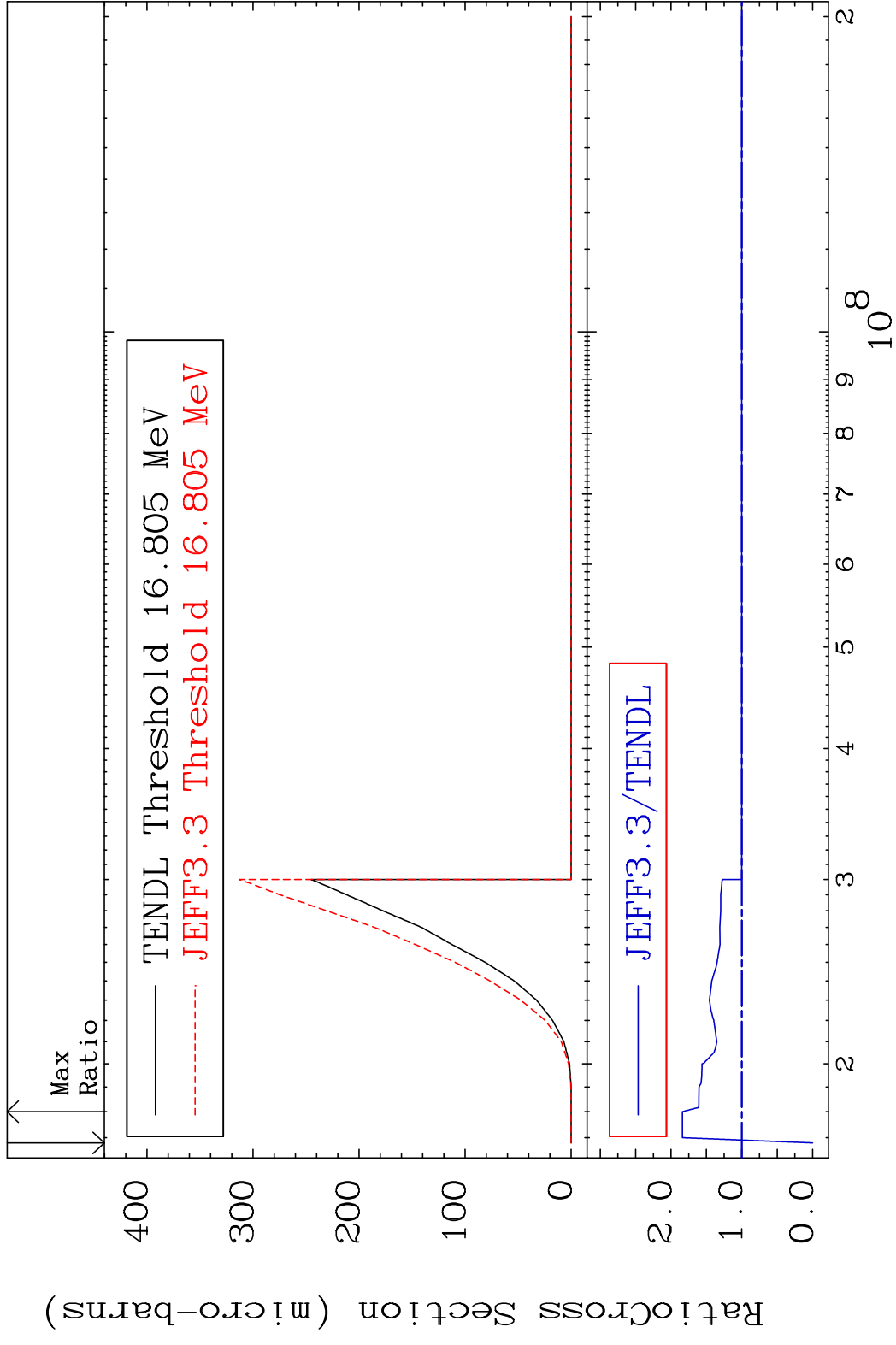
MAT 1028 (n,2α) 10-Ne-21
 Cross Section -100.0 To 1606. %



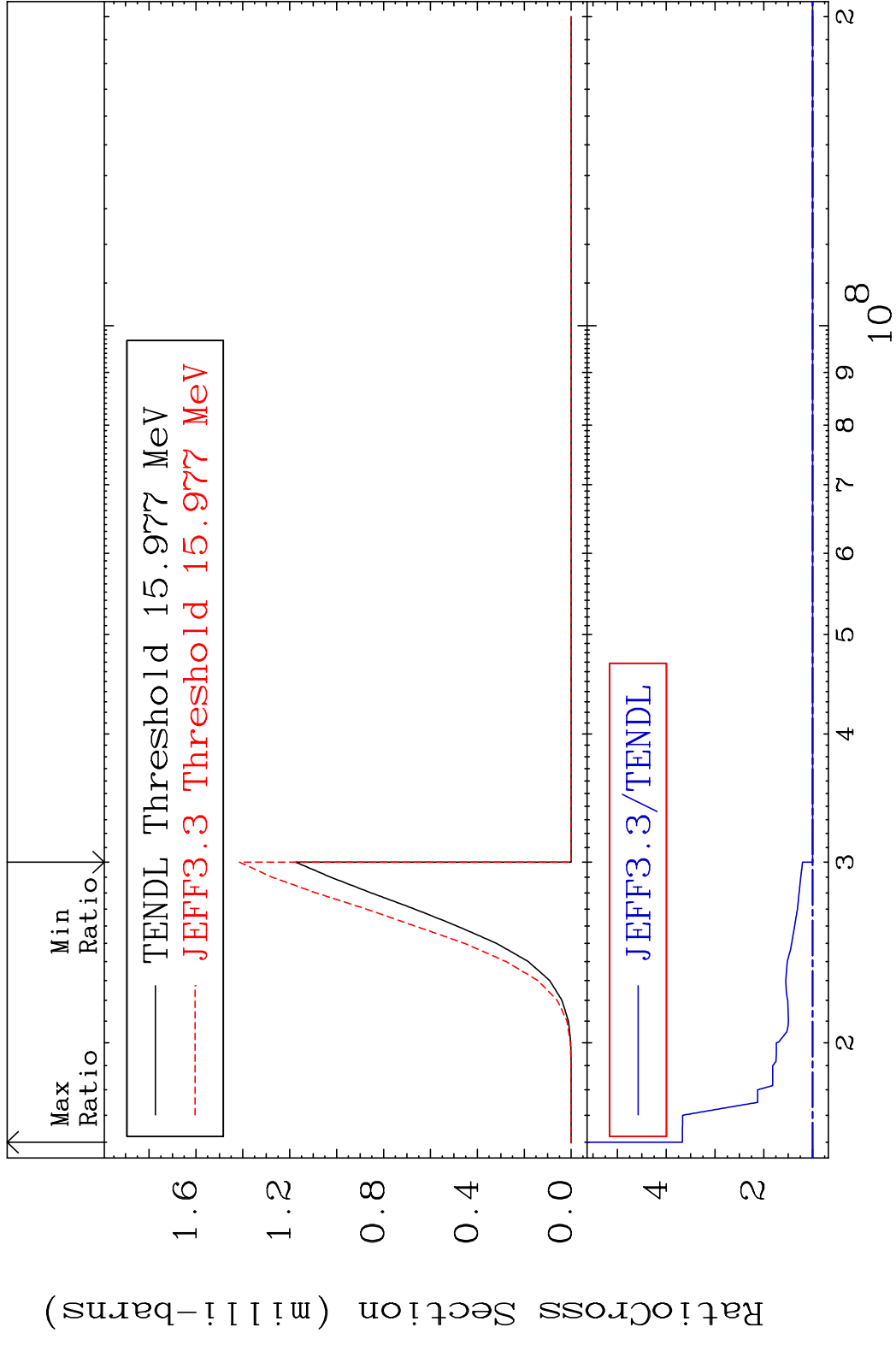
MAT 1028 (n,3α) 10-Ne-21
 Cross Section -100.0 To 434.4 %



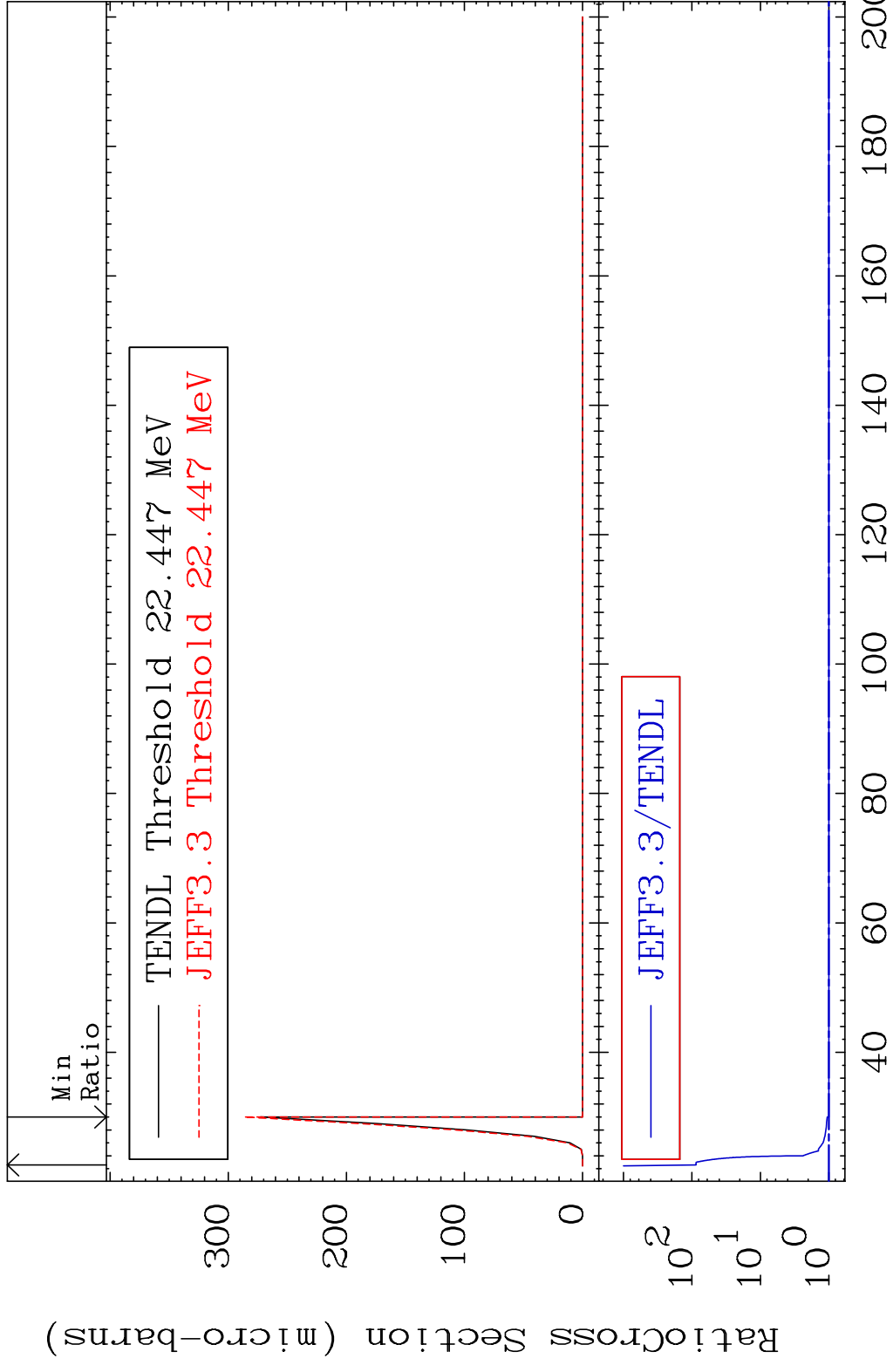
MAT 1028 (n,2p) 10-Ne-21
 Cross Section -100.0 To 84.00 %



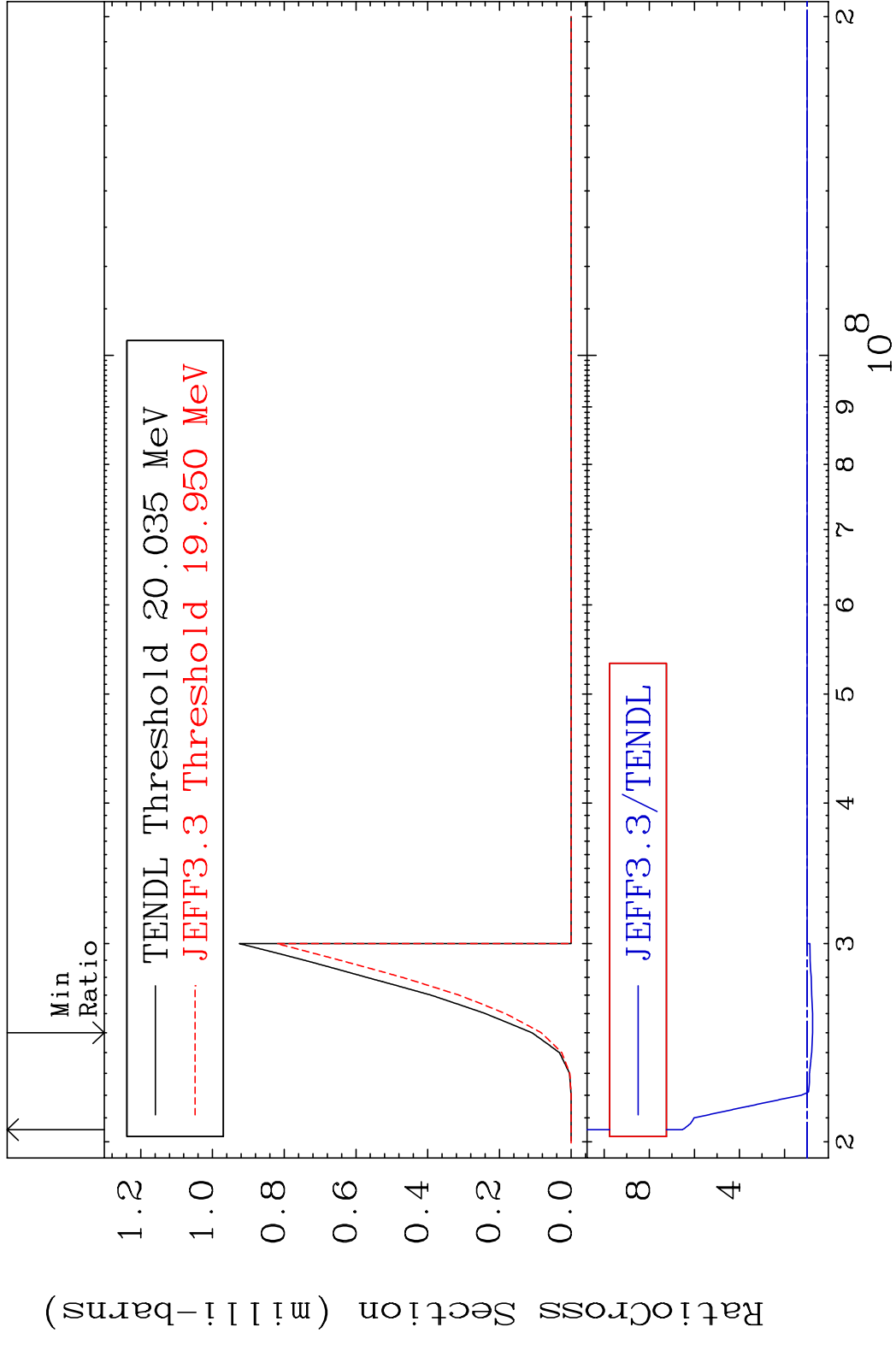
MAT 1028 (n,p) α 10-Ne-21
 Cross Section 0.000 To 267.0 %



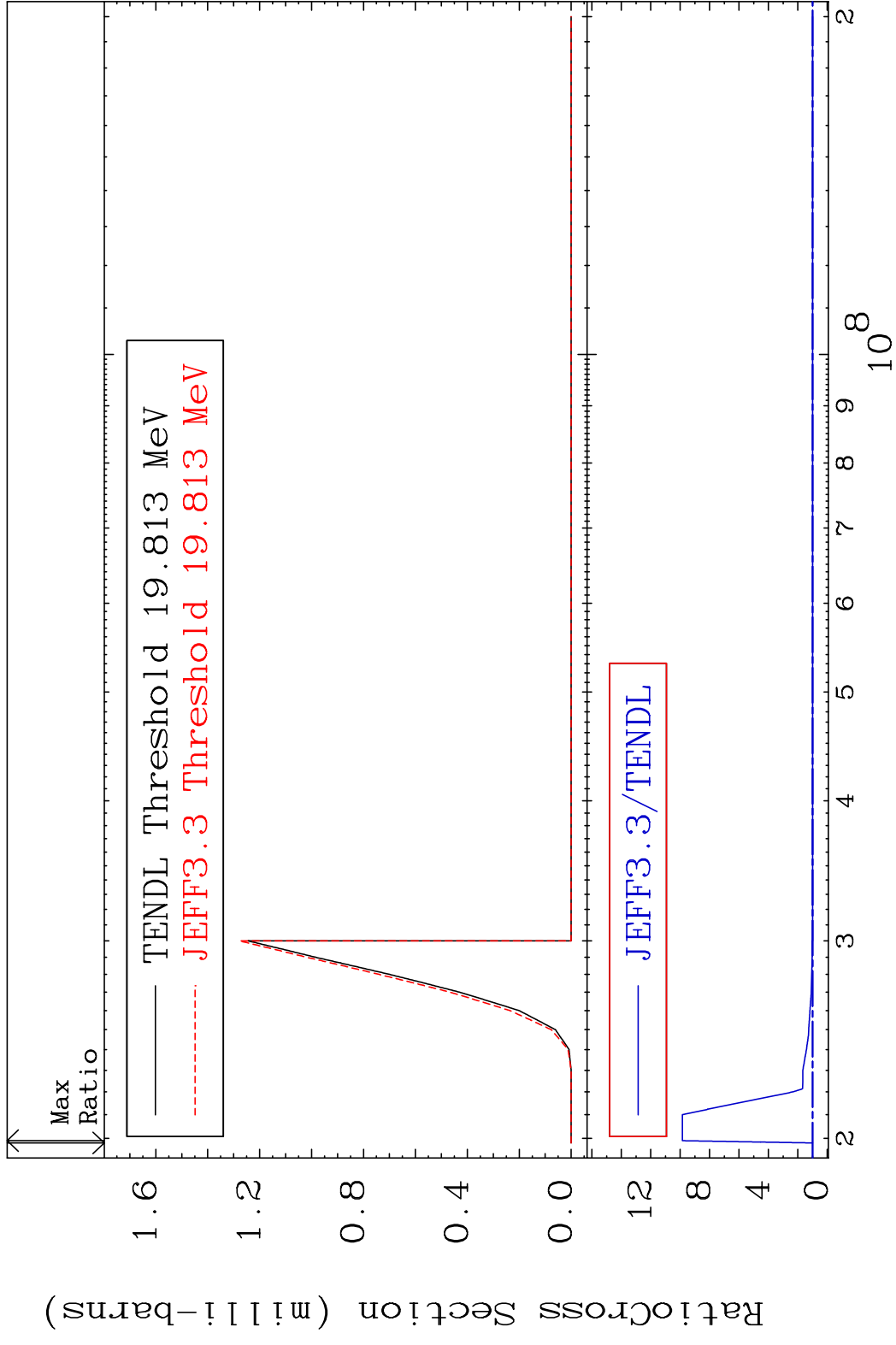
MAT 1028 (n,p) d 10-Ne-21
 Cross Section 0.000 To 8628. %



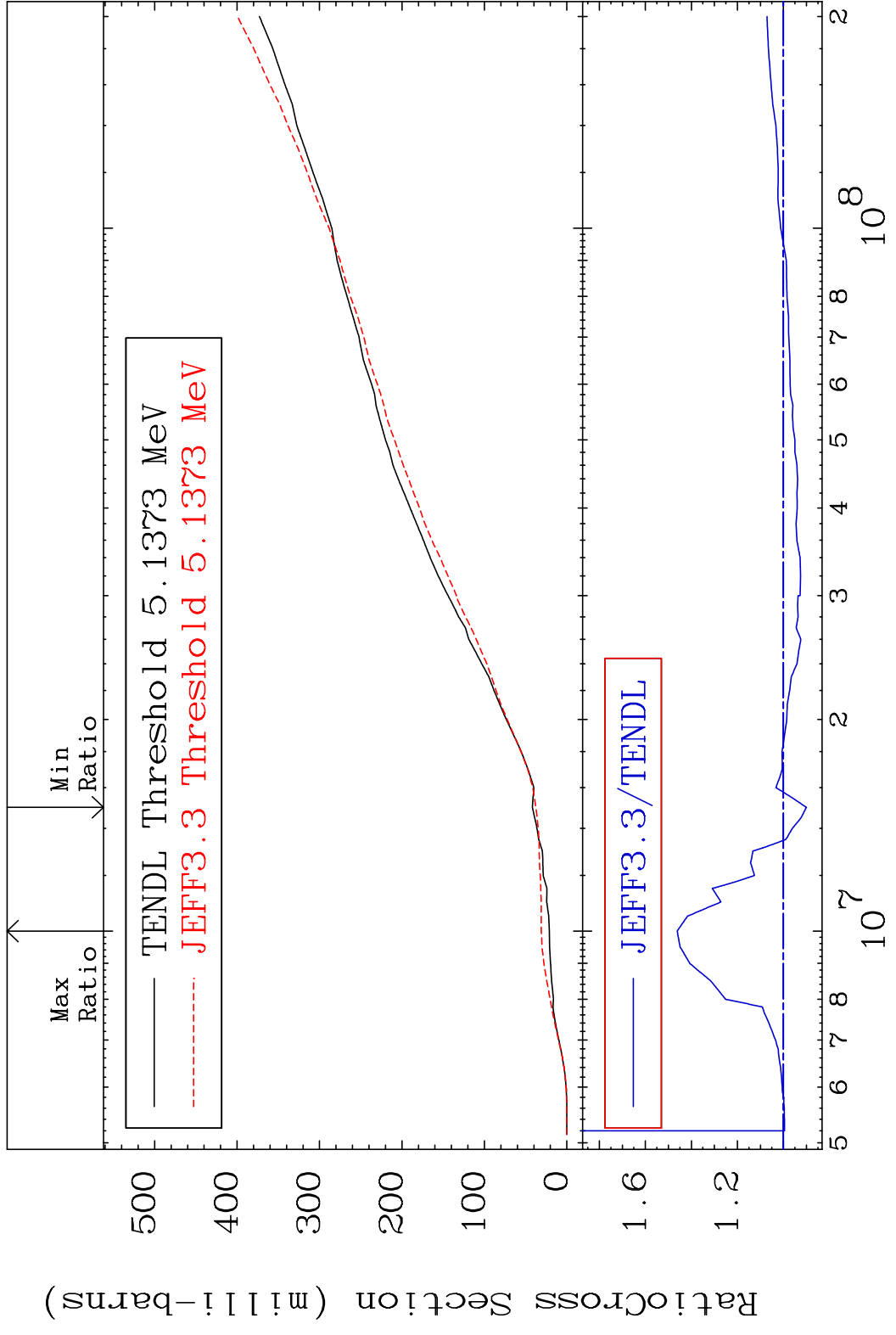
MAT 1028 (n,p) t 10-Ne-21
 Cross Section -23.68 To 553.3 %



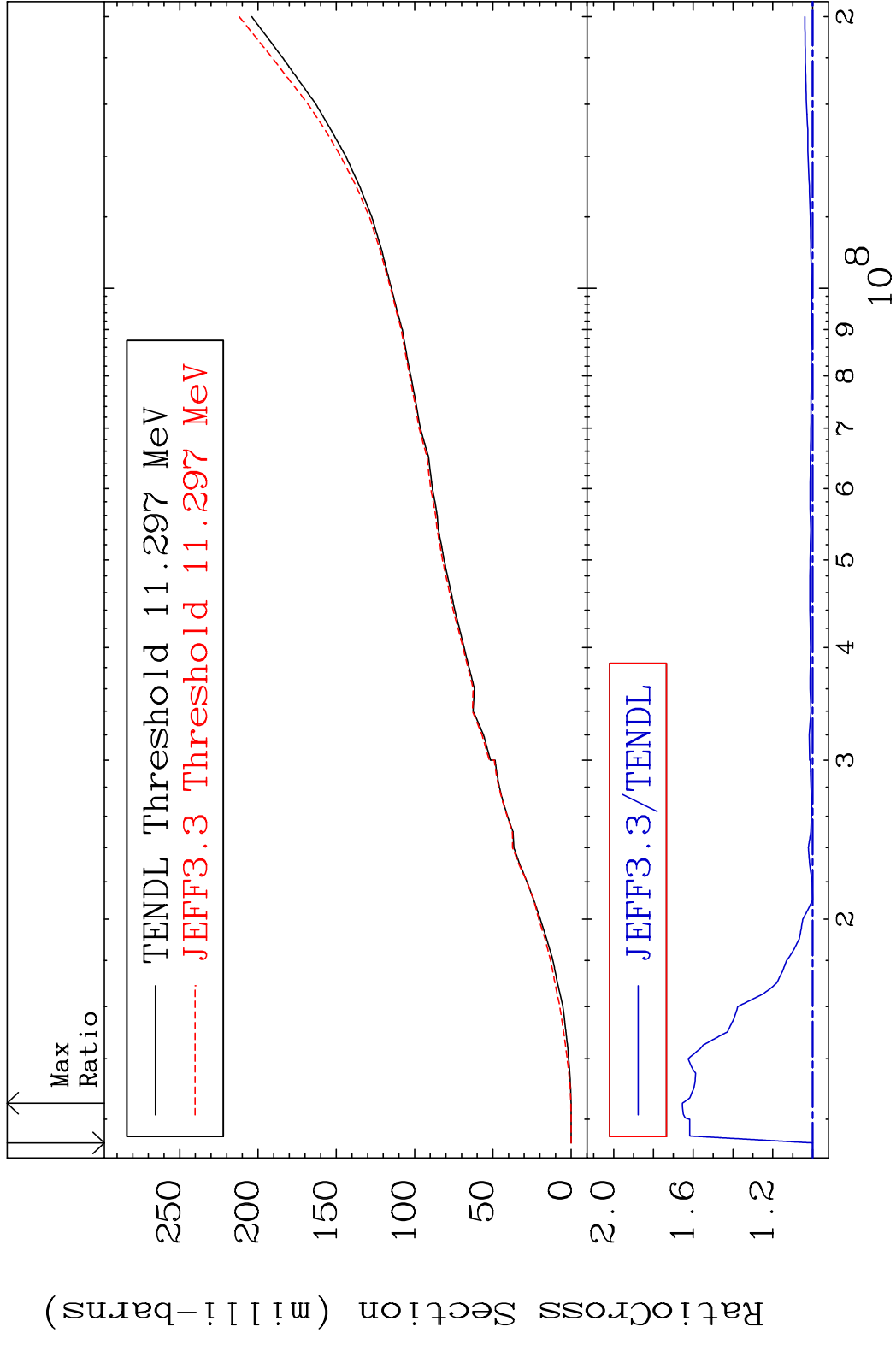
MAT 1028 (n,d) α 10-Ne-21
 Cross Section 0.000 To 885.3 %



MAT 1028 Hydrogen Production 10-Ne-21
 Cross Section -9.997 To 46.17 %



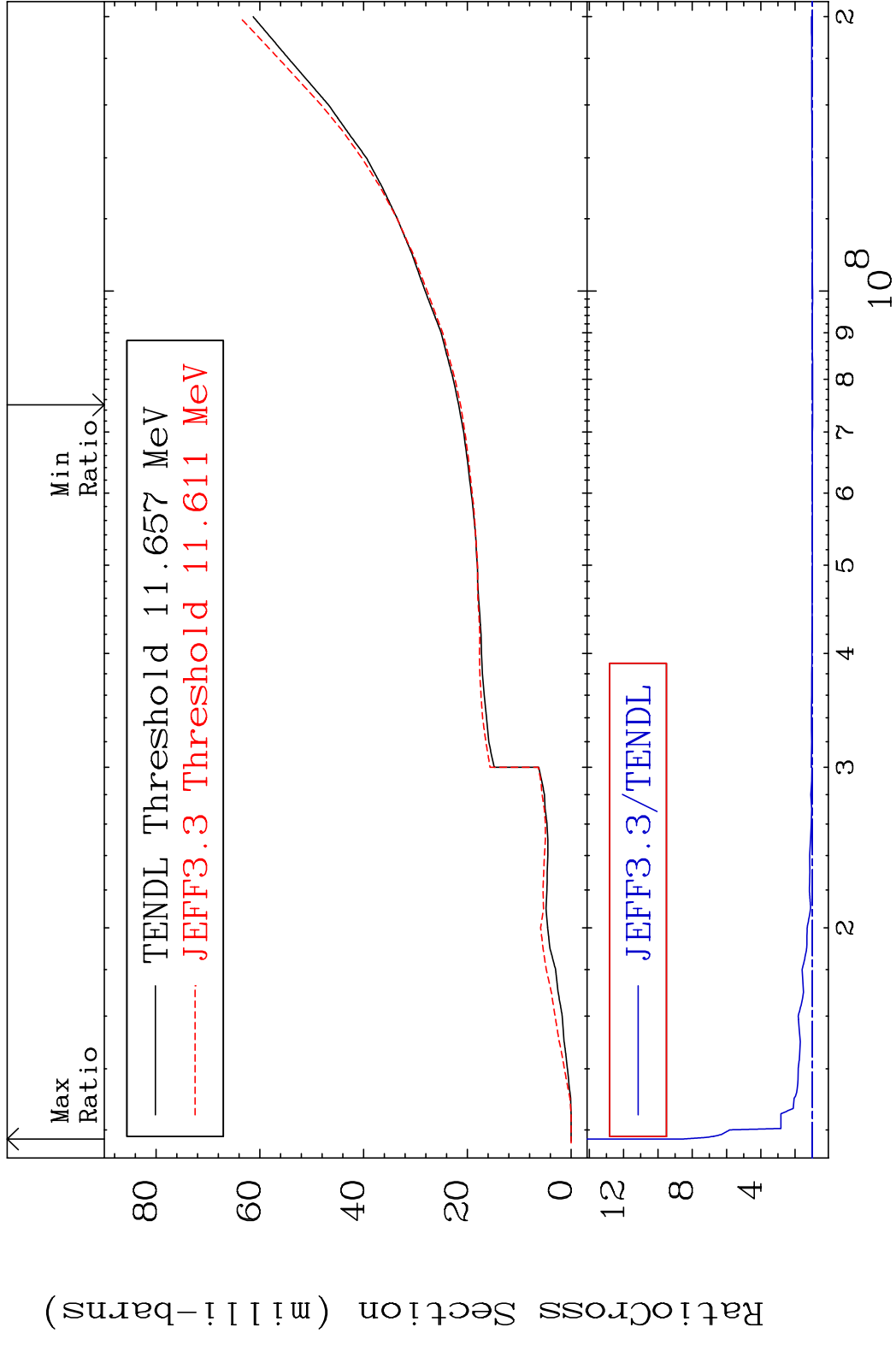
MAT 1028 Deuterium Production 10-Ne-21
 Cross Section 0.000 To 65.46 %



MAT 1028

Tritium Production
Cross Section -1.654 To 757.5 %

10-Ne-21

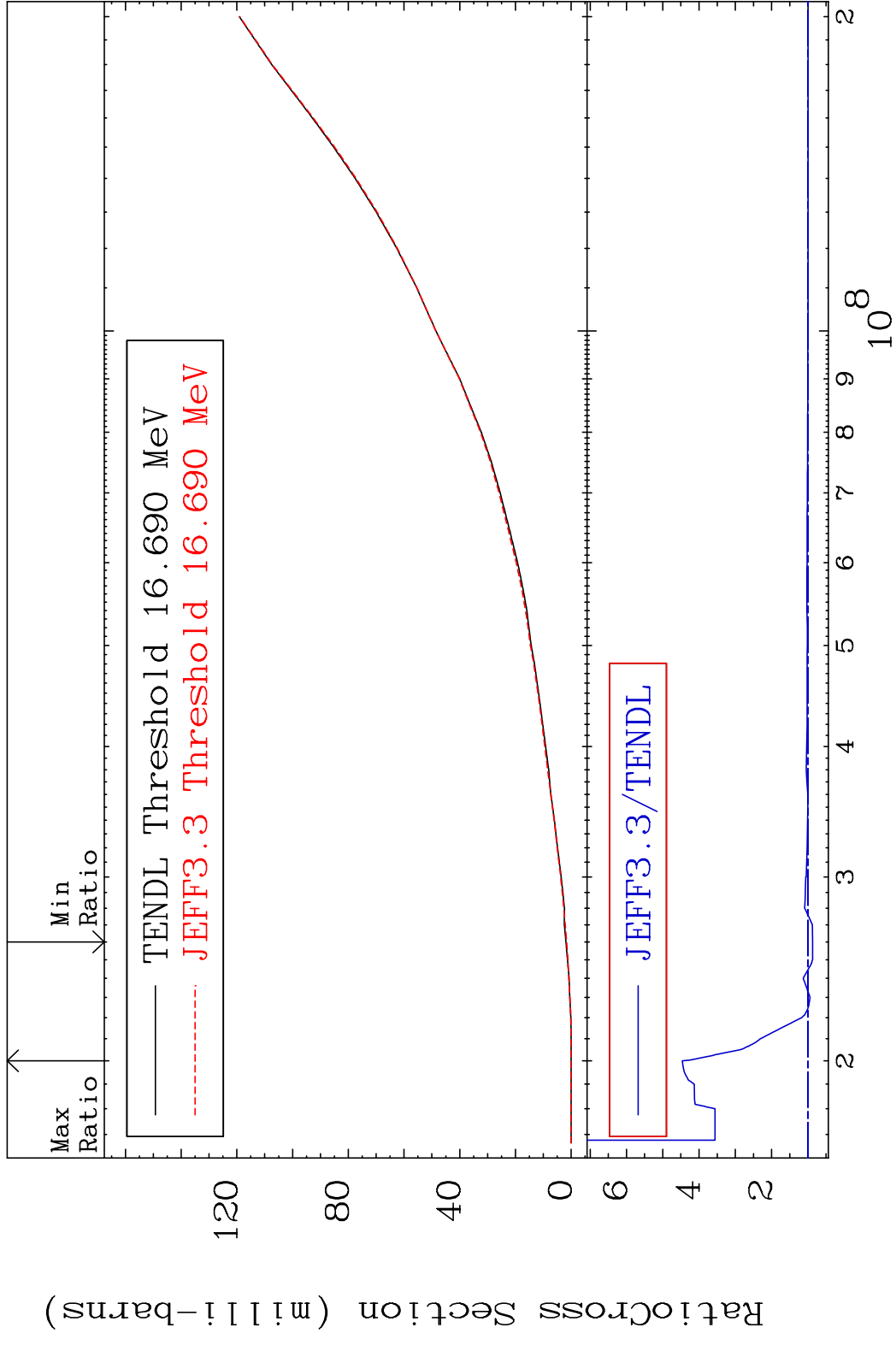


MAT 1028

He-3 Production

10-Ne-21

Cross Section -12.73 To 346.0 %

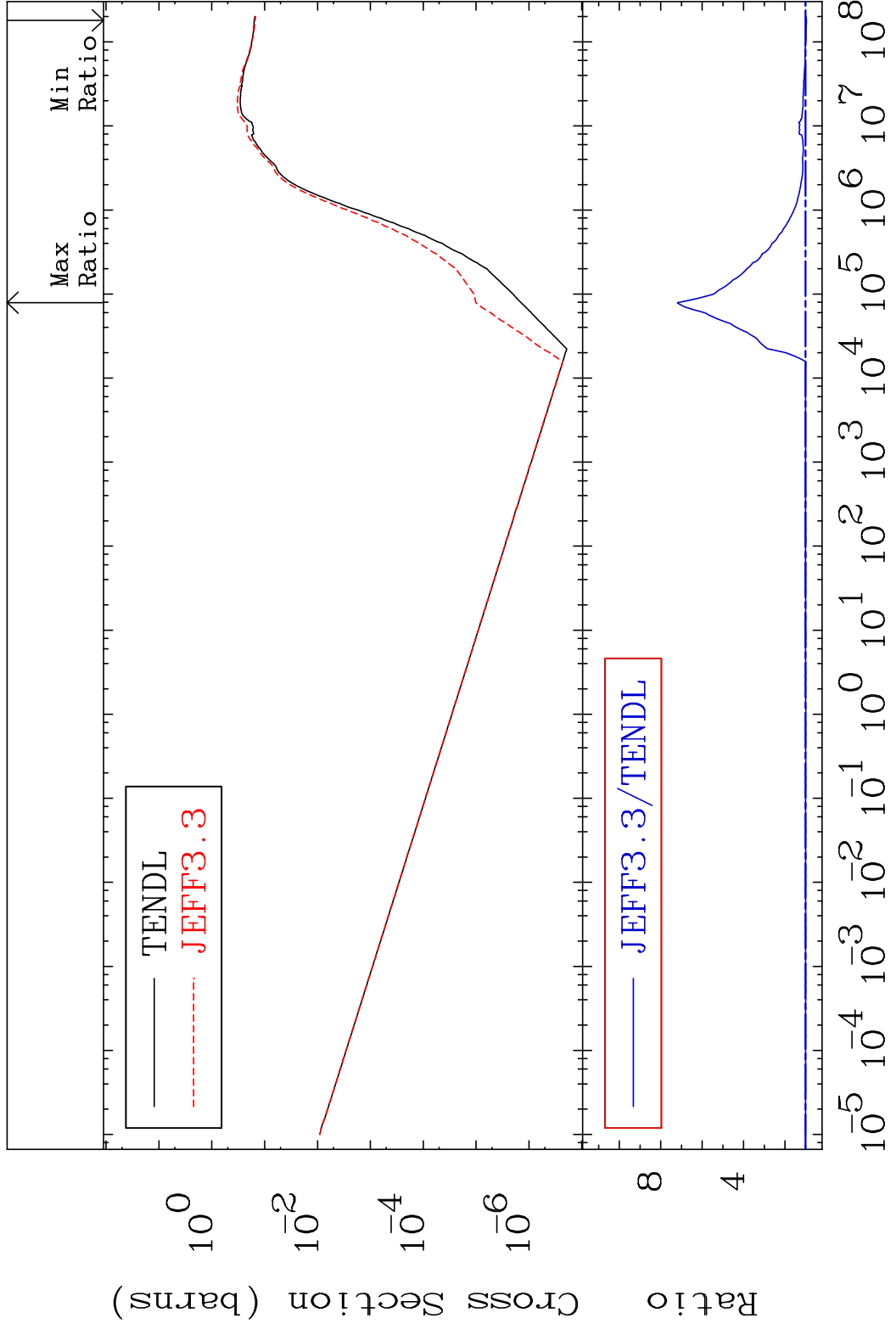


MAT 1028

He-4 Production

10-Ne-21

Cross Section -3.689 To 620.6 %

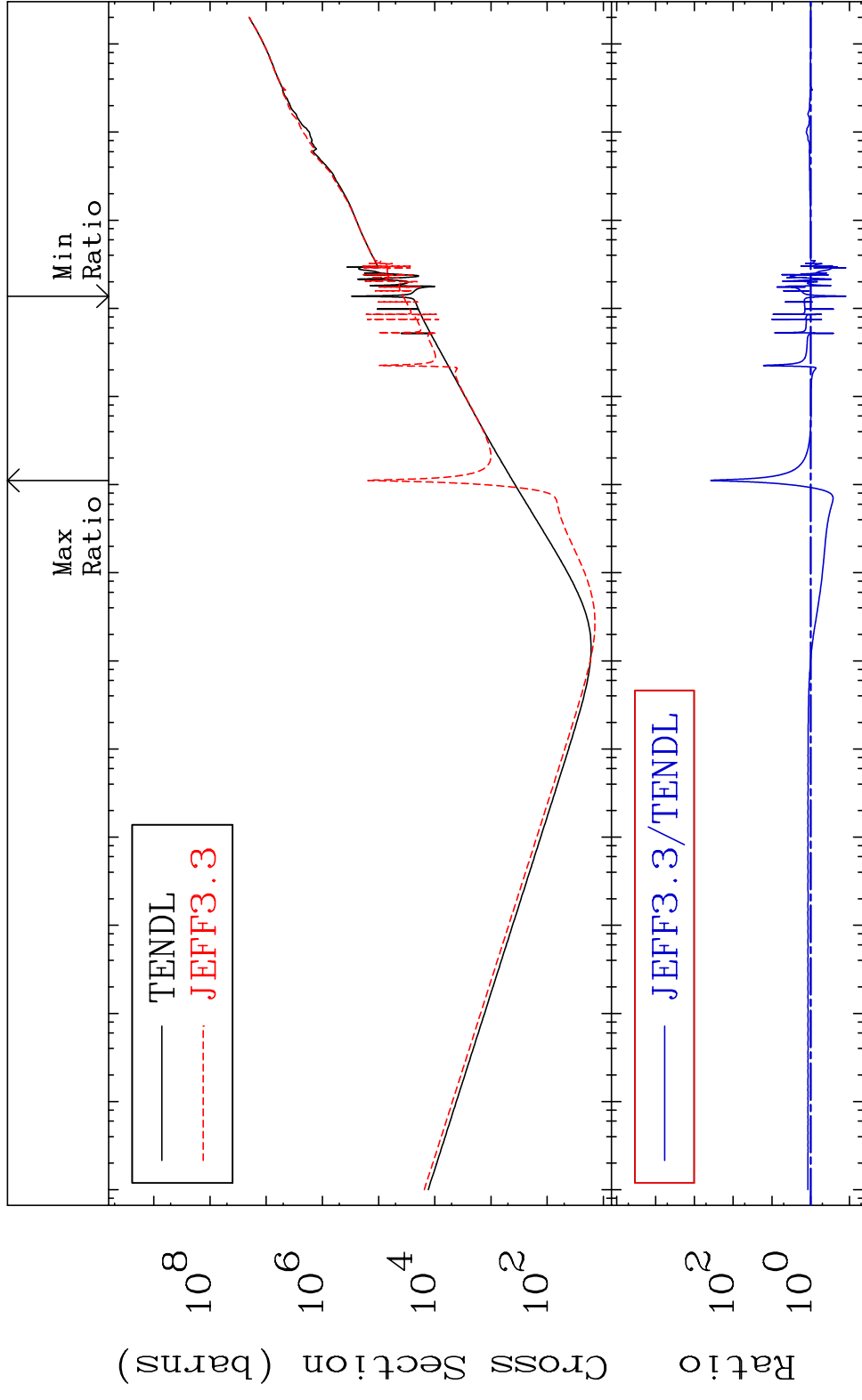


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Incident Energy (eV)

10-Ne-21

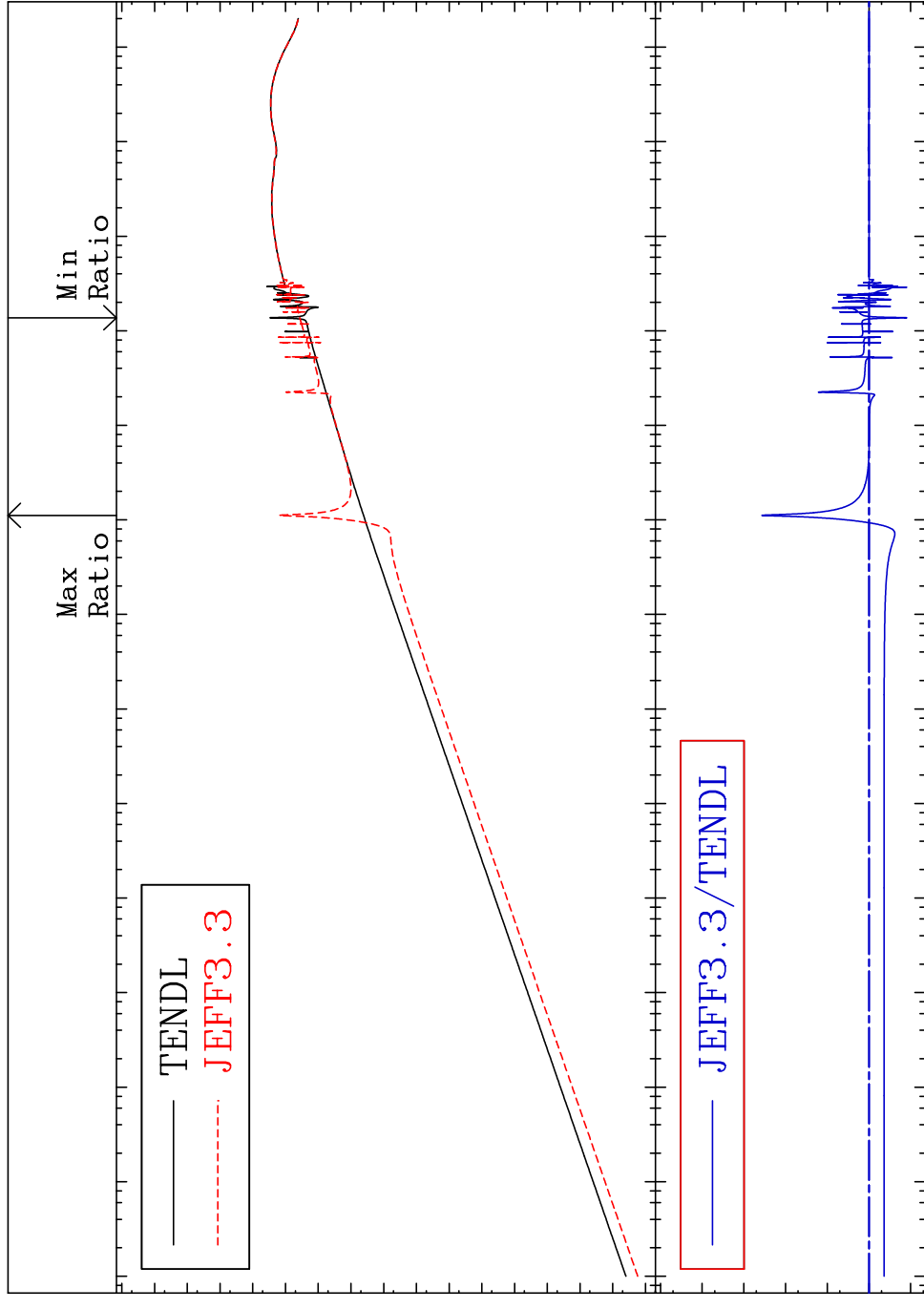
MAT 1028 Kerma total (eV-barns) 10-Ne-21
 Cross Section -87.90 To 9999. %



65 Incident Energy (eV) 10-Ne-21

MAT 1028

Kerma elastic Cross Section -87.90 To 9999. %
10-Ne-21



Cross Section (barns)
10⁸
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶

Ratio
10²
10⁰

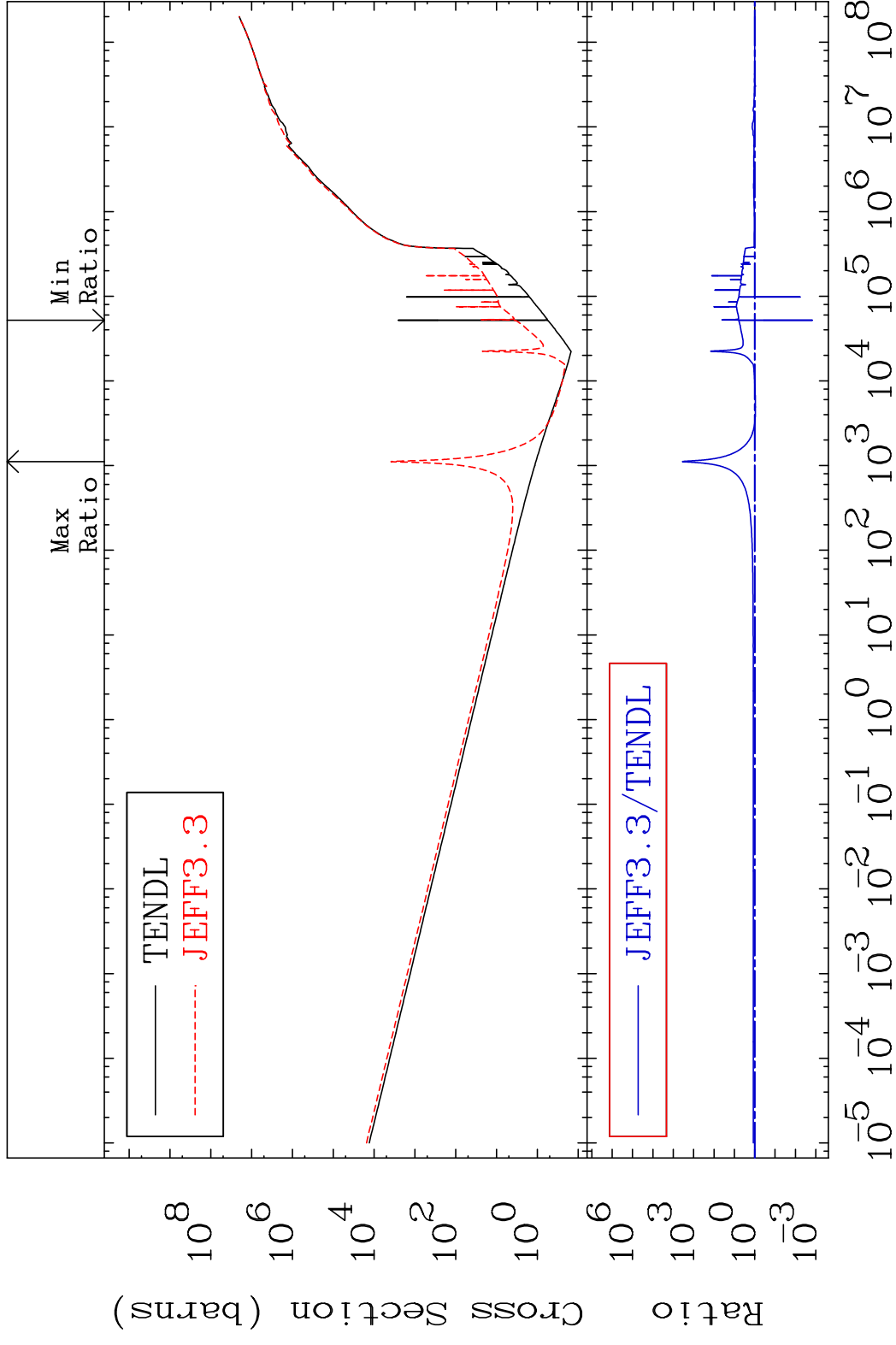
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

66

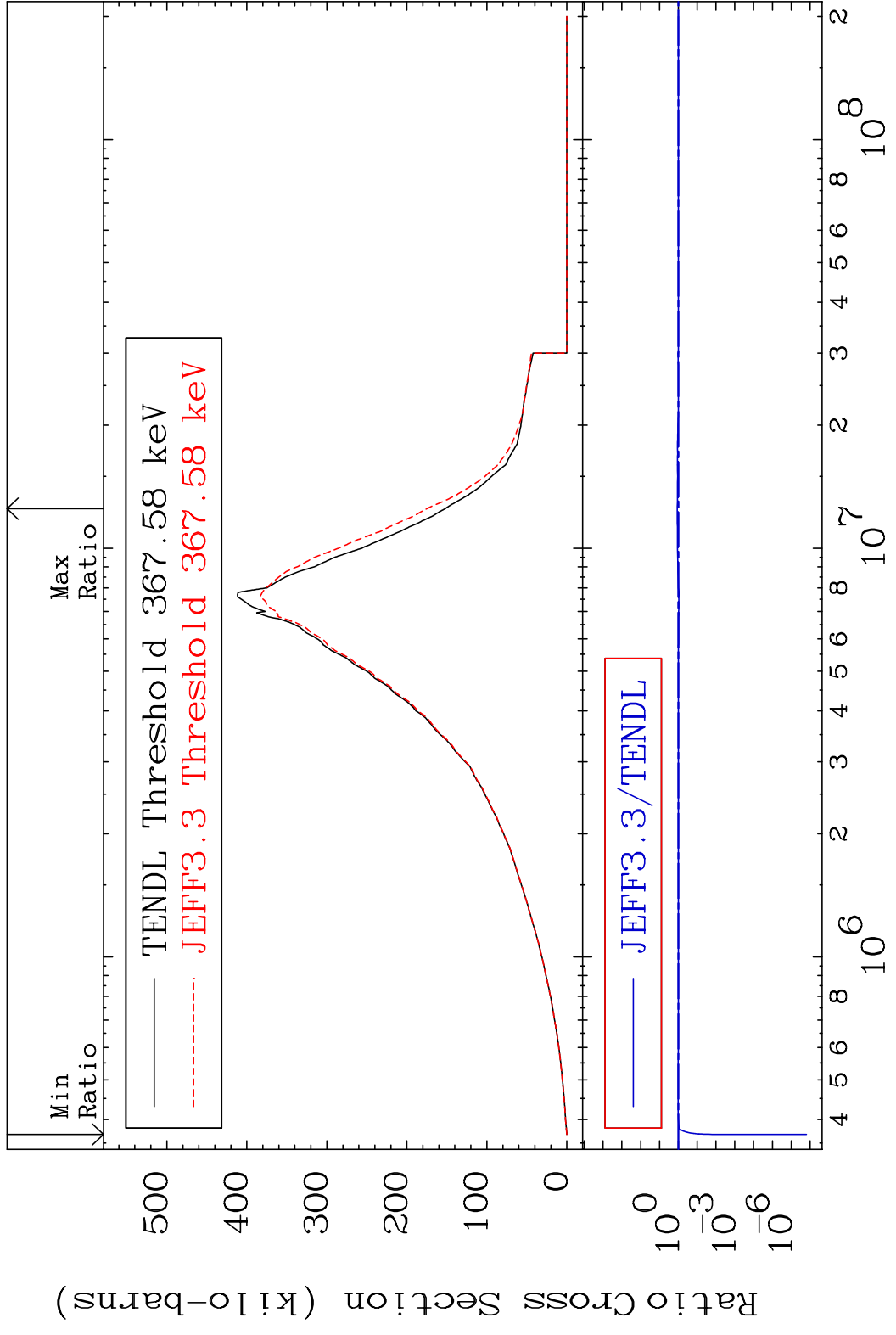
Incident Energy (eV)

10-Ne-21

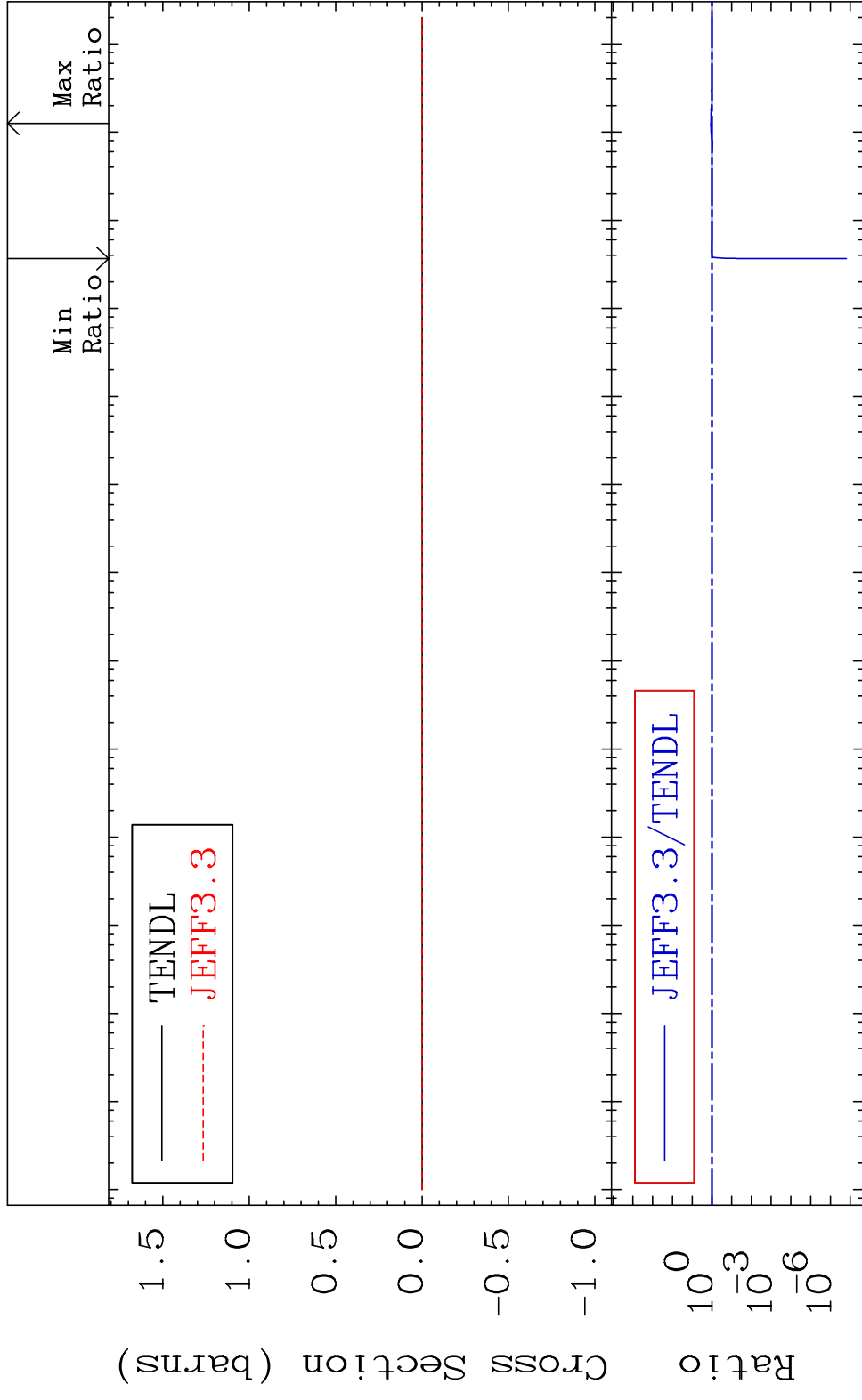
MAT 1028 Kerma non-elastic (all but mt2) 10-Ne-21
 Cross Section -99.86 To 9999. %



MAT 1028 Kerma inelastic (mt51-91) 10-Ne-21
 Cross Section -100.0 To 14.99 %

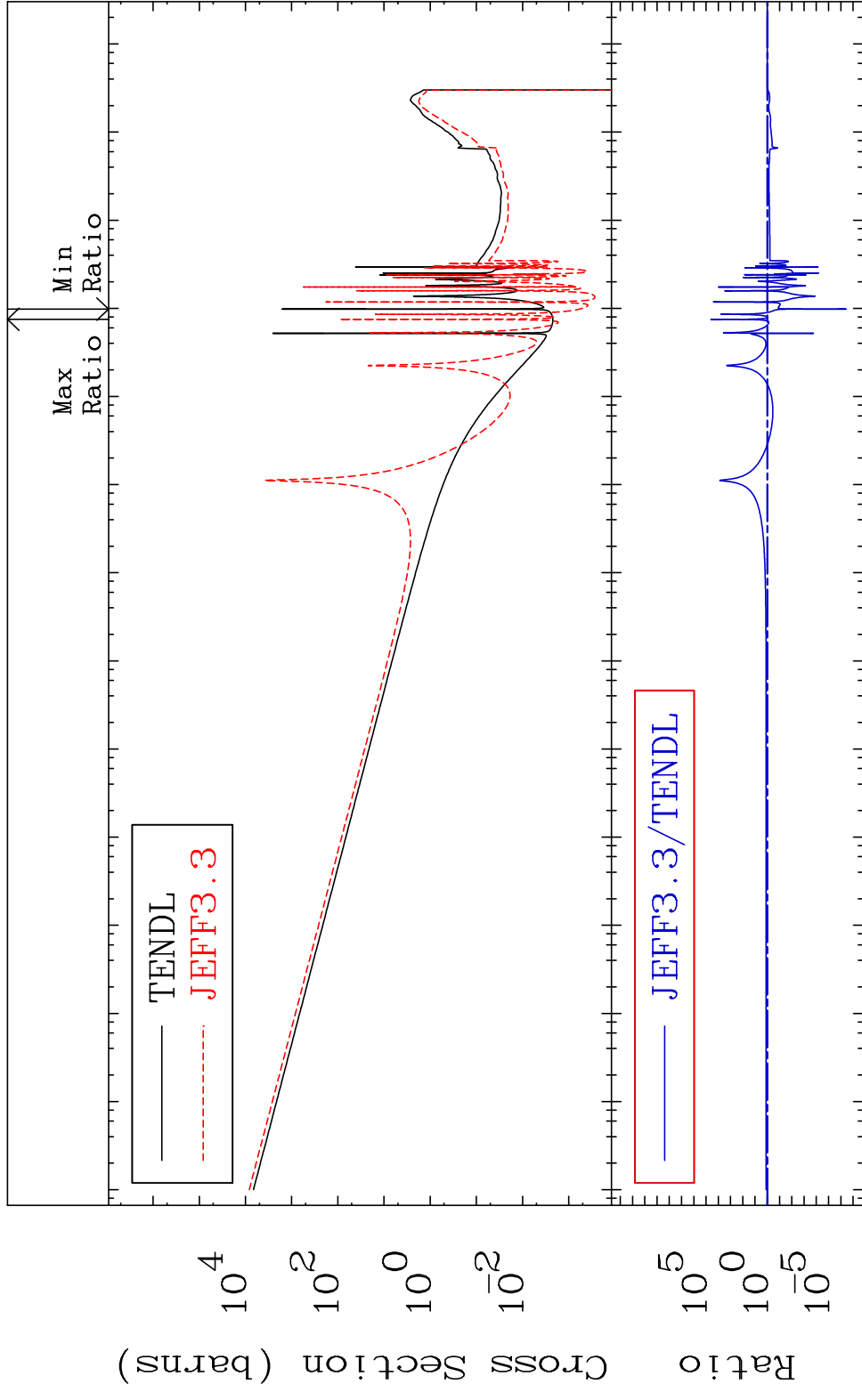


MAT 1028 Kerma fission (mt18 or mt19-20-21-38) 10-Ne-21
 Cross Section -100.0 To 14.99 %



MAT 1028

Kerma capture (mt102) 10-Ne-21
Cross Section -100.0 To 9999. %

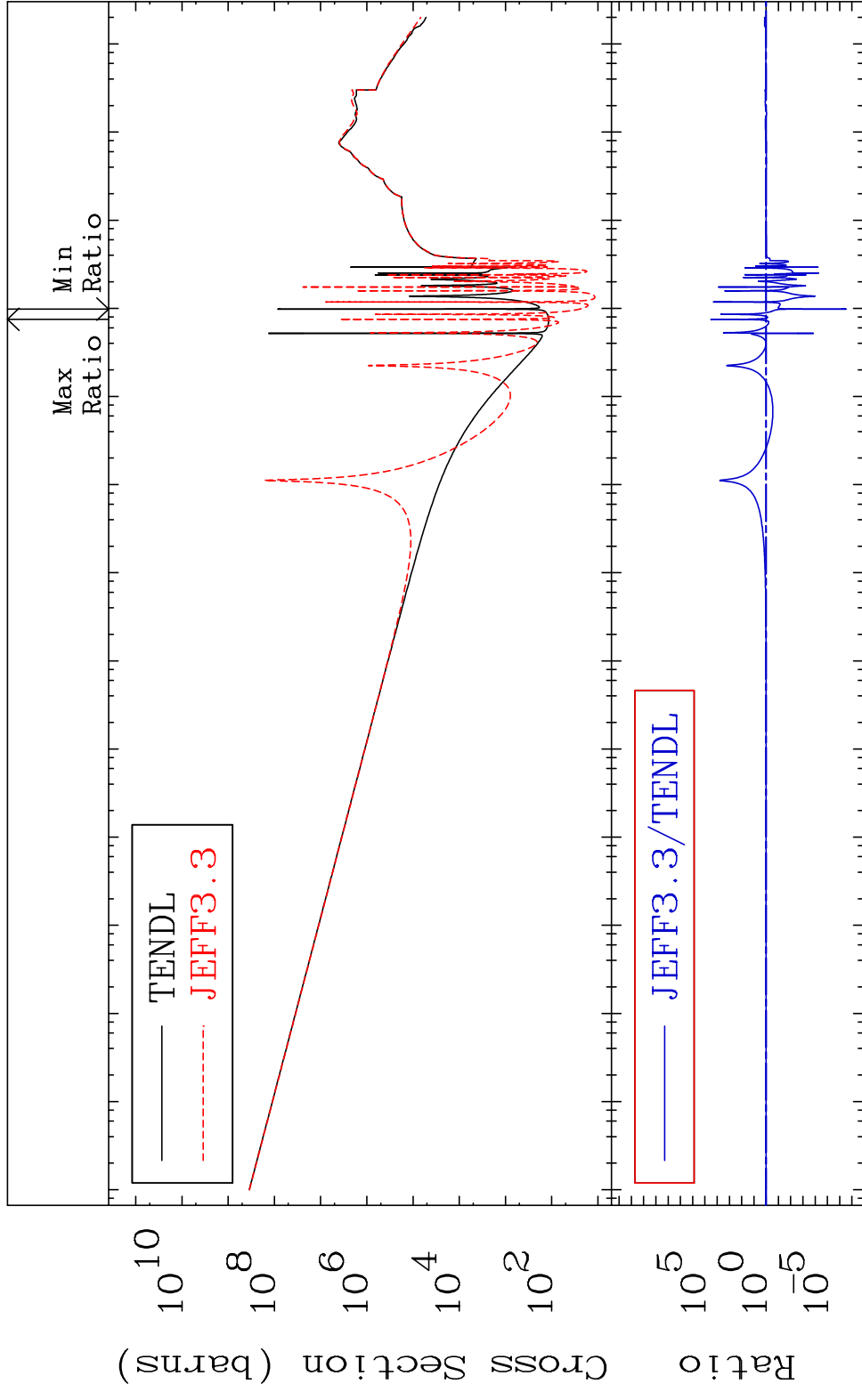


70

Incident Energy (eV)

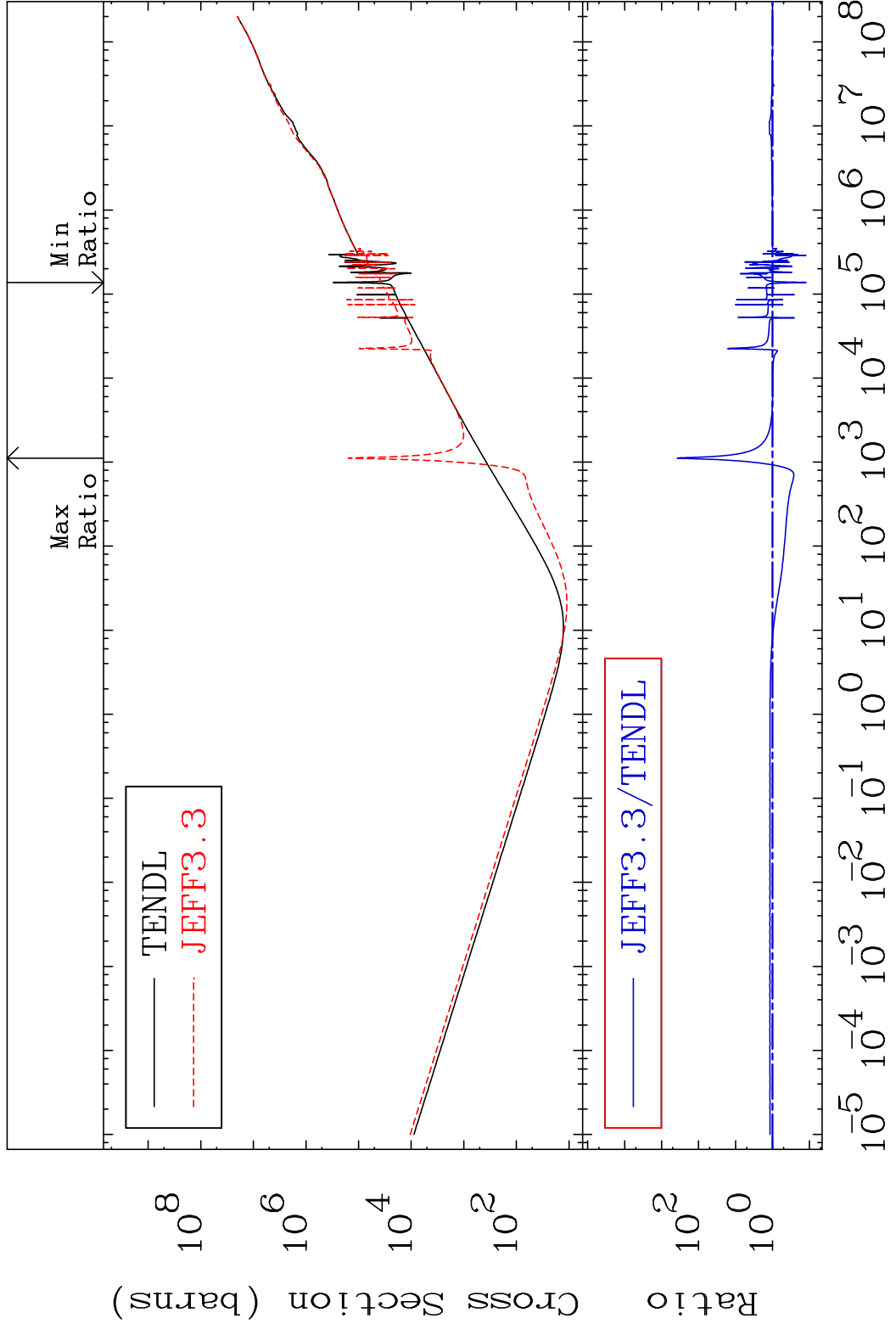
10-Ne-21

MAT 1028 Total photon (eV-barns) 10-Ne-21
 Cross Section -100.0 To 9999. %

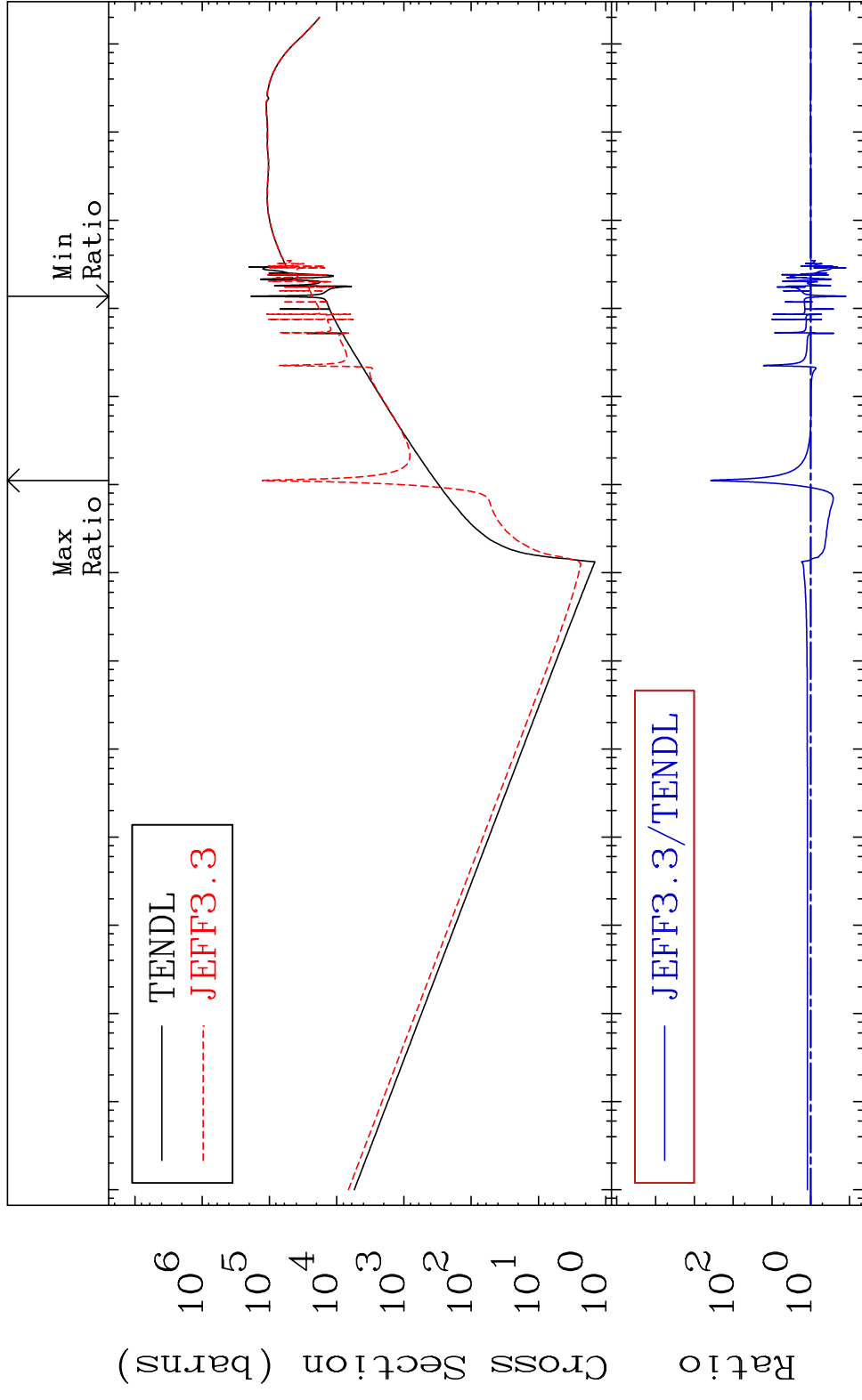


Ratio
 Cross Section (barns)
 Incident Energy (eV)

MAT 1028 Total kinematic kerma (high limit) 10-Ne-21
 Cross Section -87.90 To 9999. %

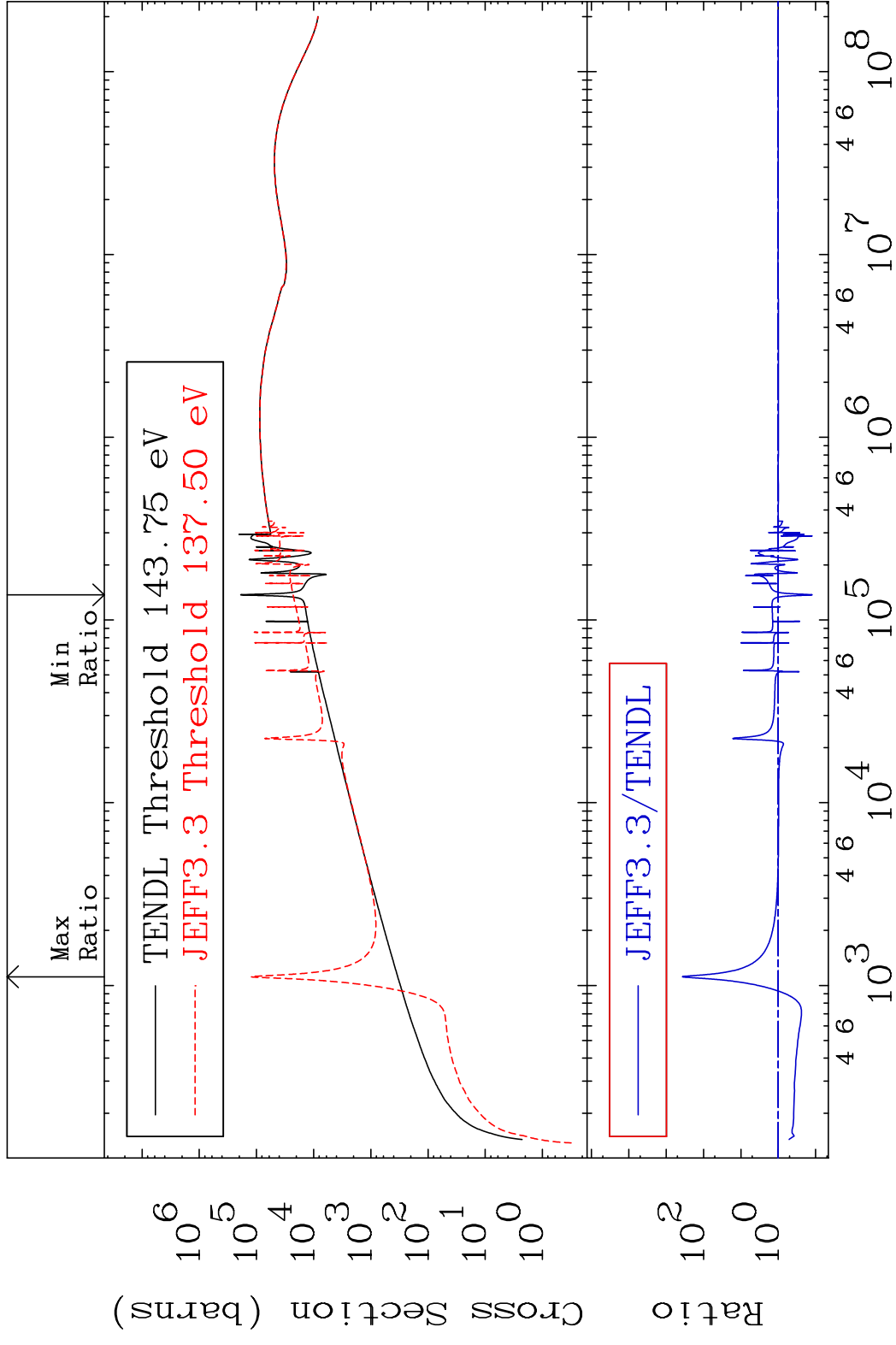


MAT 1028 Dpa total (eV-barns) 10-Ne-21
 Cross Section -87.91 To 9999. %

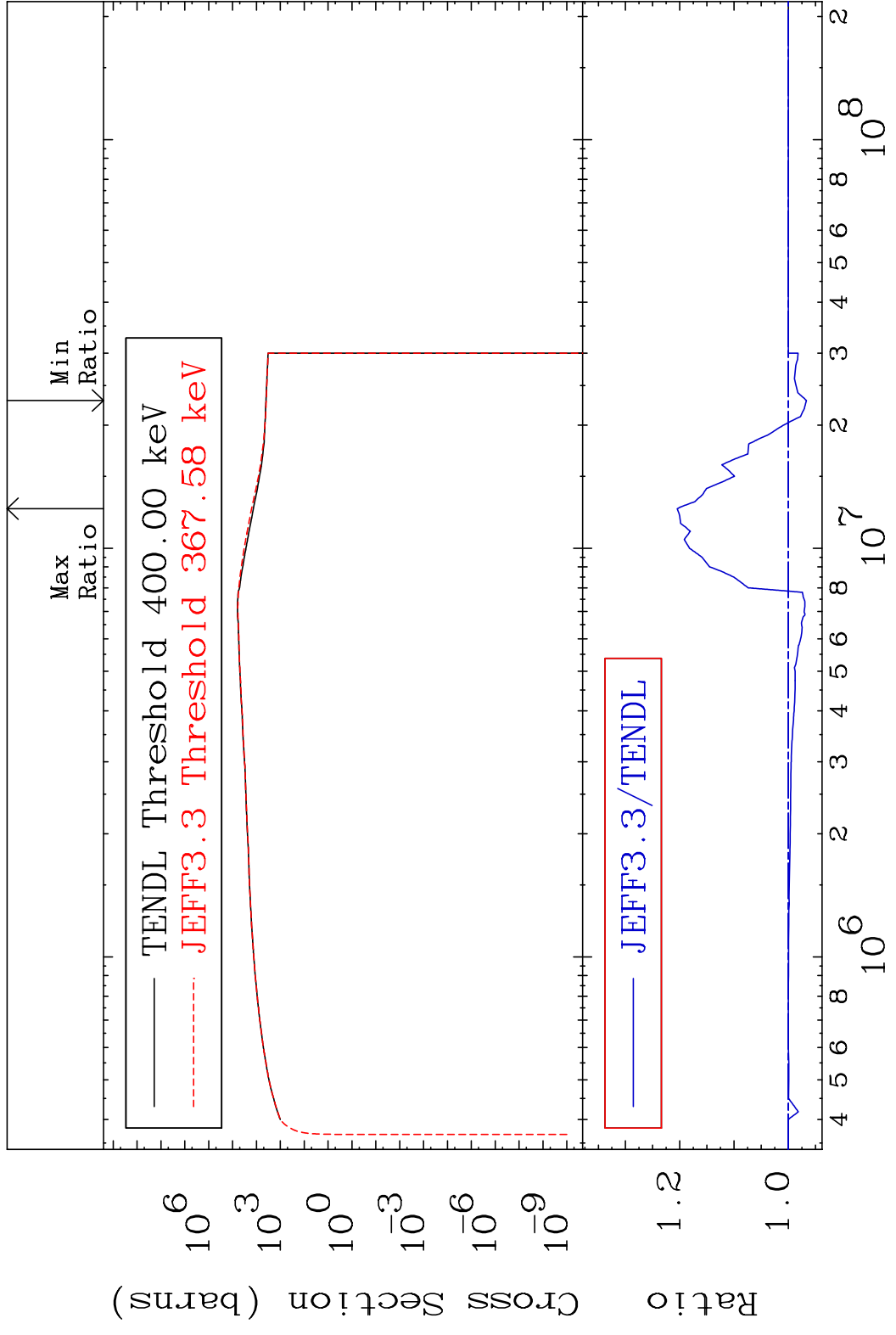


73 Incident Energy (eV) 10-Ne-21

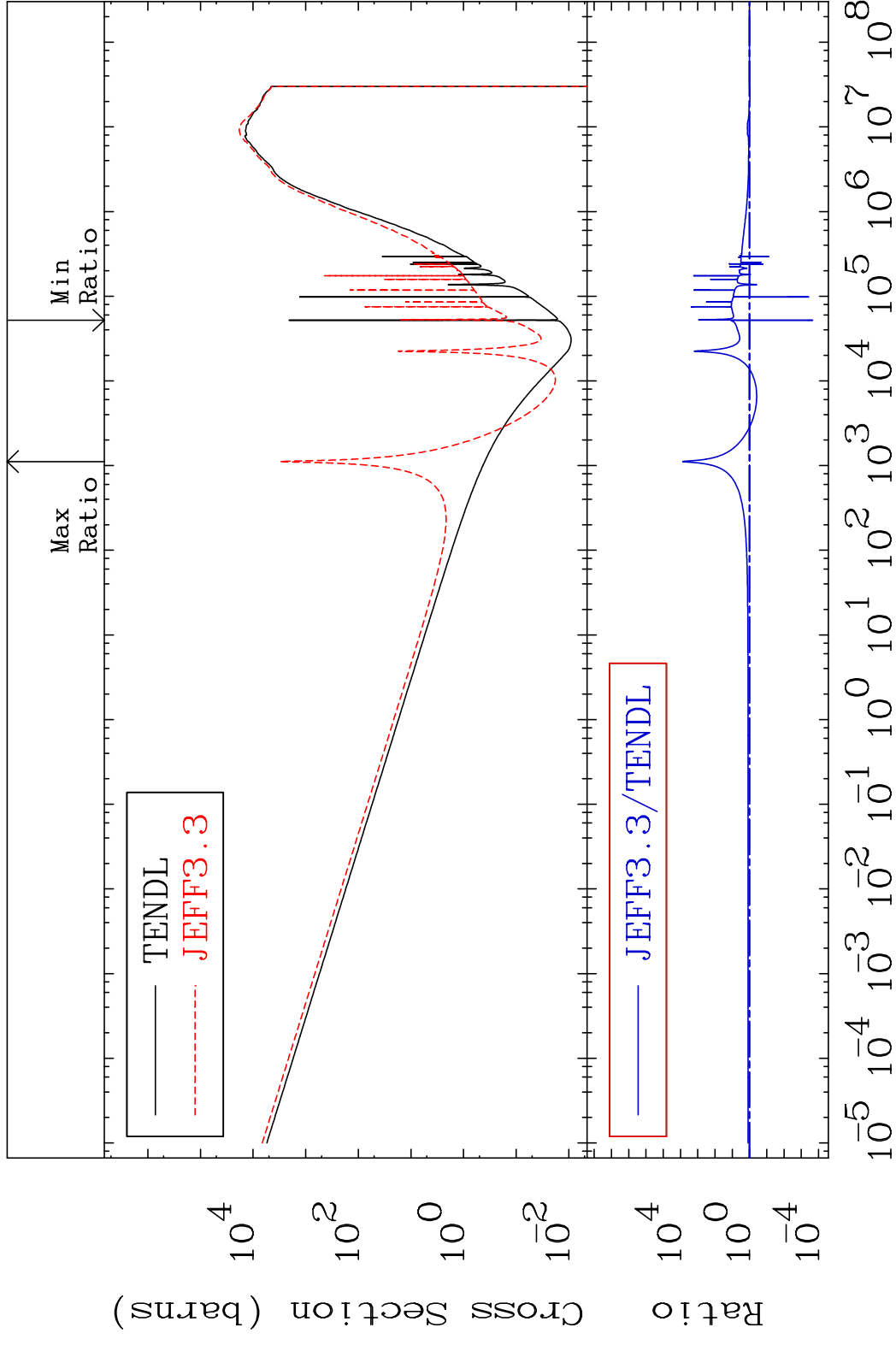
MAT 1028 Dpa elastic (mt2) 10-Ne-21
 Cross Section -87.91 To 9999. %



MAT 1028 Dpa inelastic (mt51-91) 10-Ne-21
 Cross Section -3.329 To 20.48 %



MAT 1028 Dpa disappearance (mt102 -120) 10-Ne-21
 Cross Section -99.98 To 9999. %



76 Incident Energy (eV) 10-Ne-21