

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

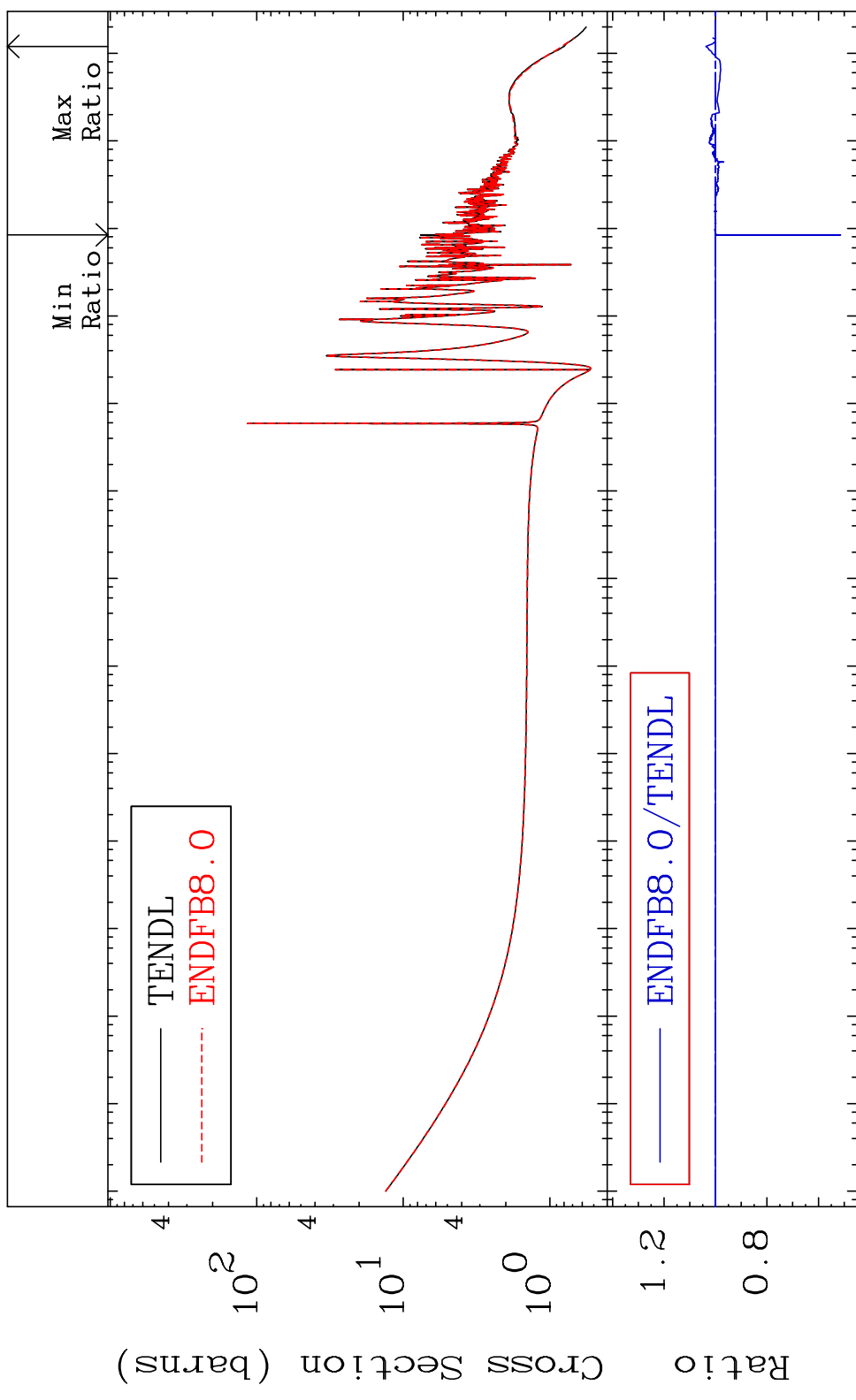
MAT 1325

Total

13-A1-27

Cross Section

-48.55 To 3.790 %



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

1

Incident Energy (eV)

13-A1-27

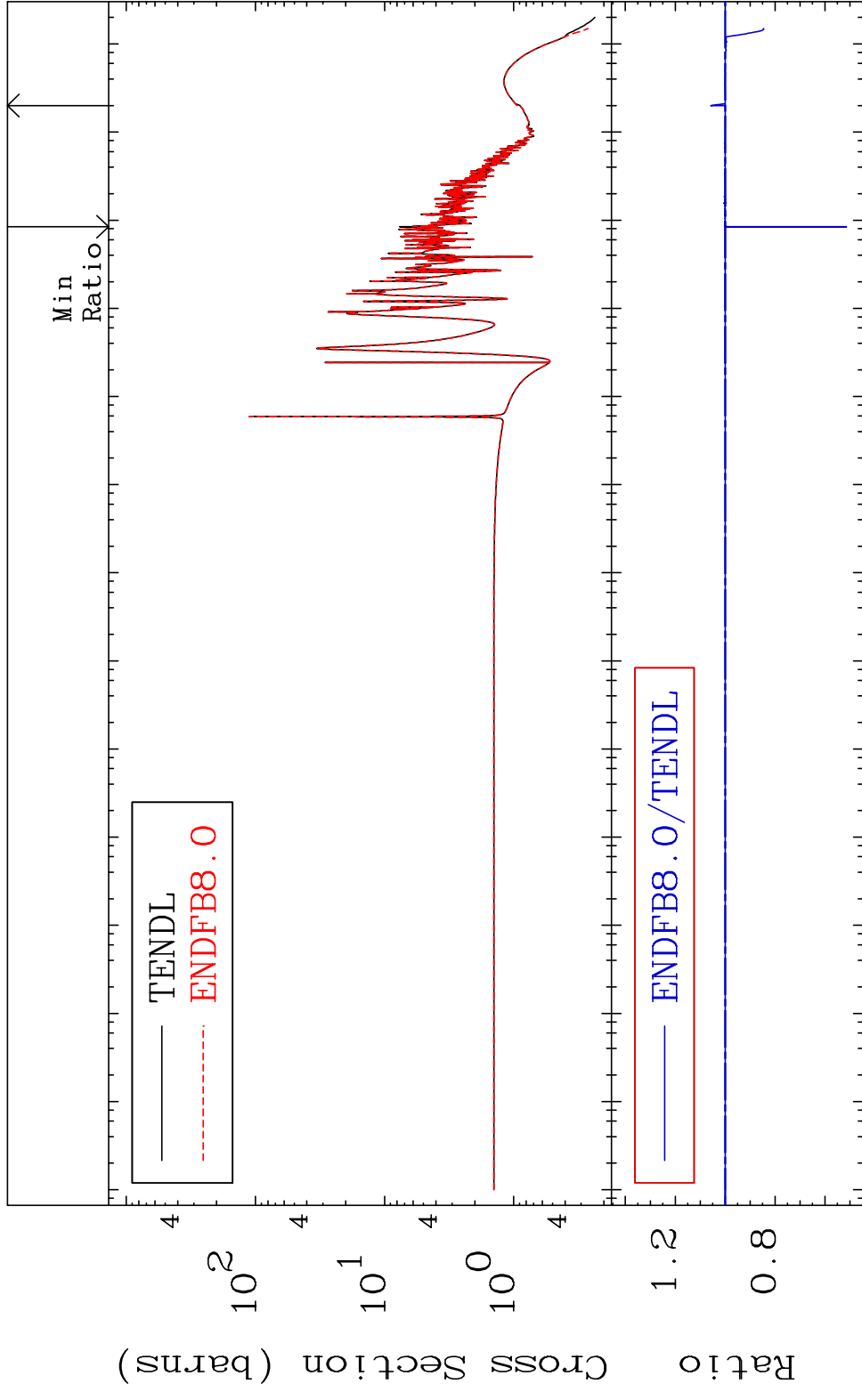
MAT 1325

Elastic

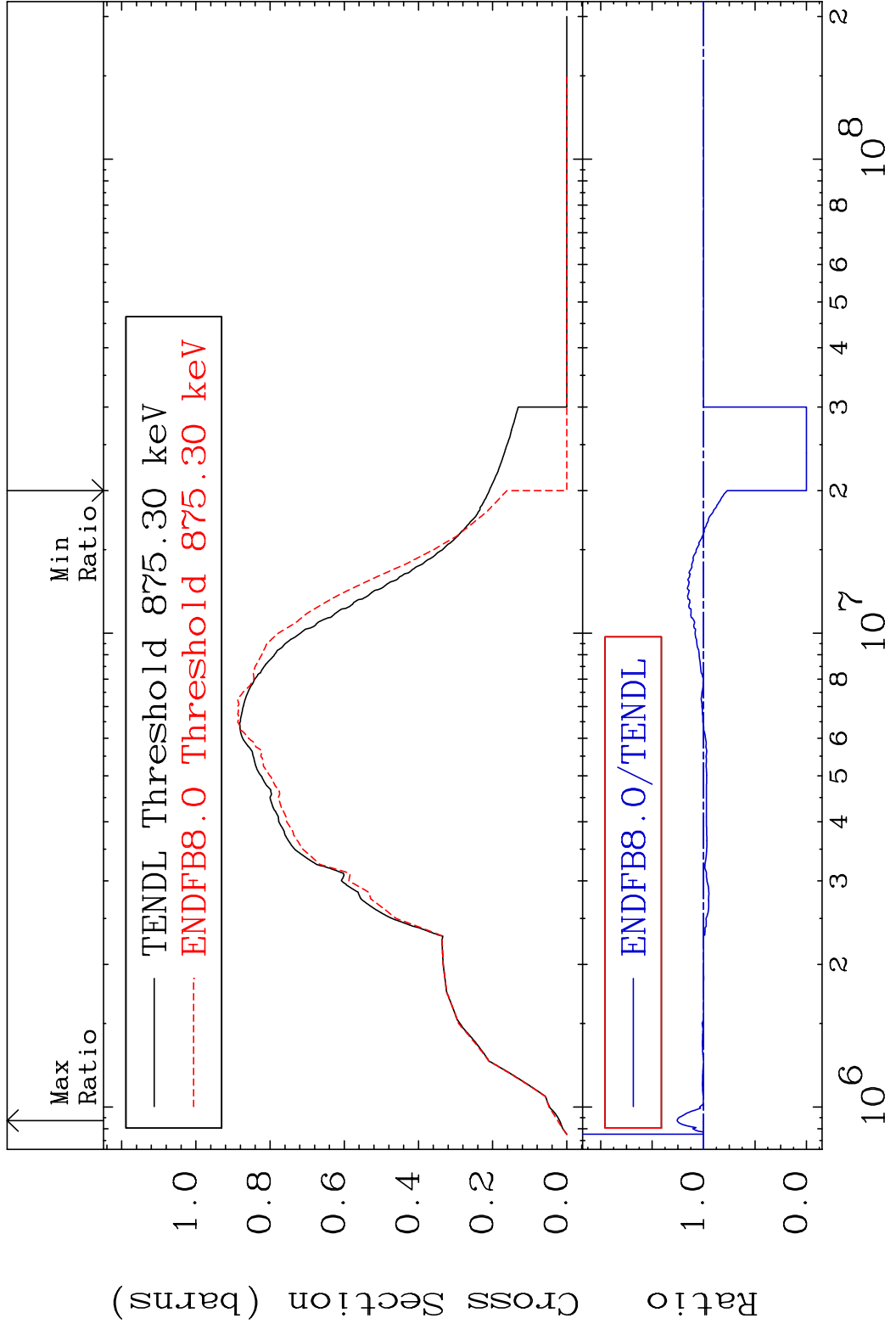
13-Al-27

Cross Section

-48.55 To 5.792 %



MAT 1325 Inelastic Cross Section -100.0 To 25.64 % 13-Al-27



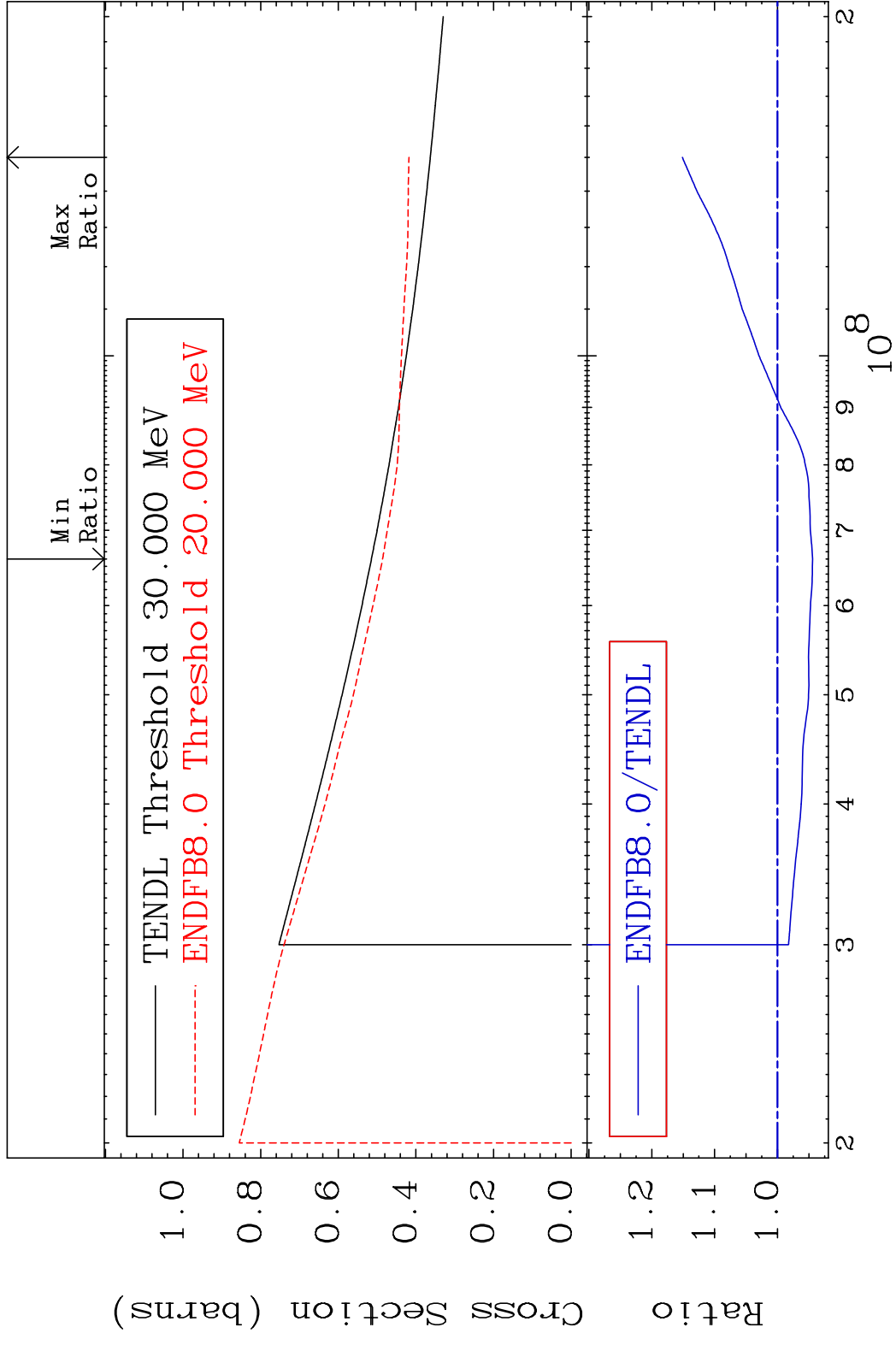
3 Incident Energy (eV) 13-Al-27

MAT 1325

(n, remainder)

13-Al-27

Cross Section -5.575 To 15.14 %

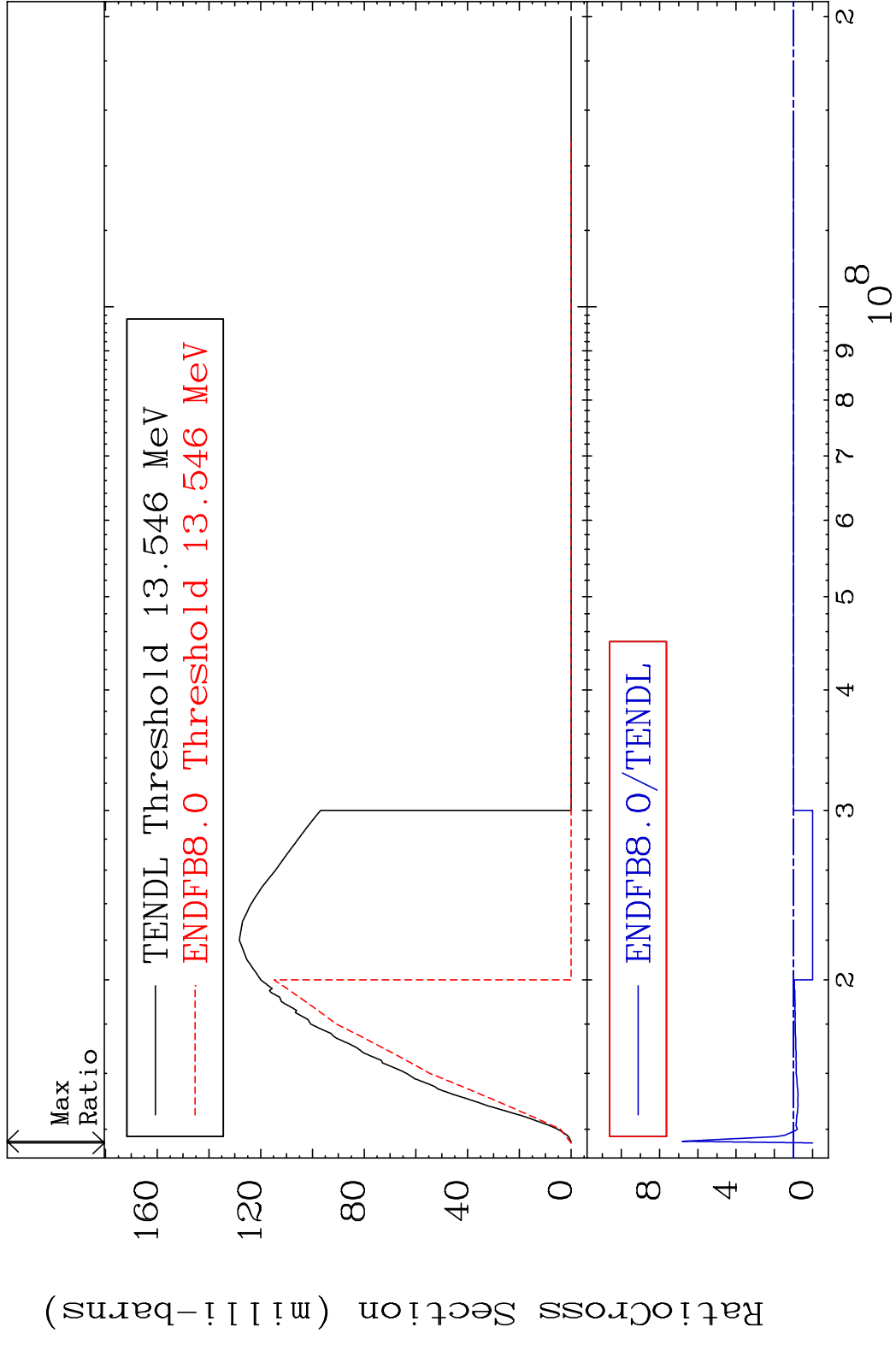


4

Incident Energy (eV)

13-Al-27

MAT 1325 (n,2n) 13-Al-27
 Cross Section -100.0 To 581.0 %

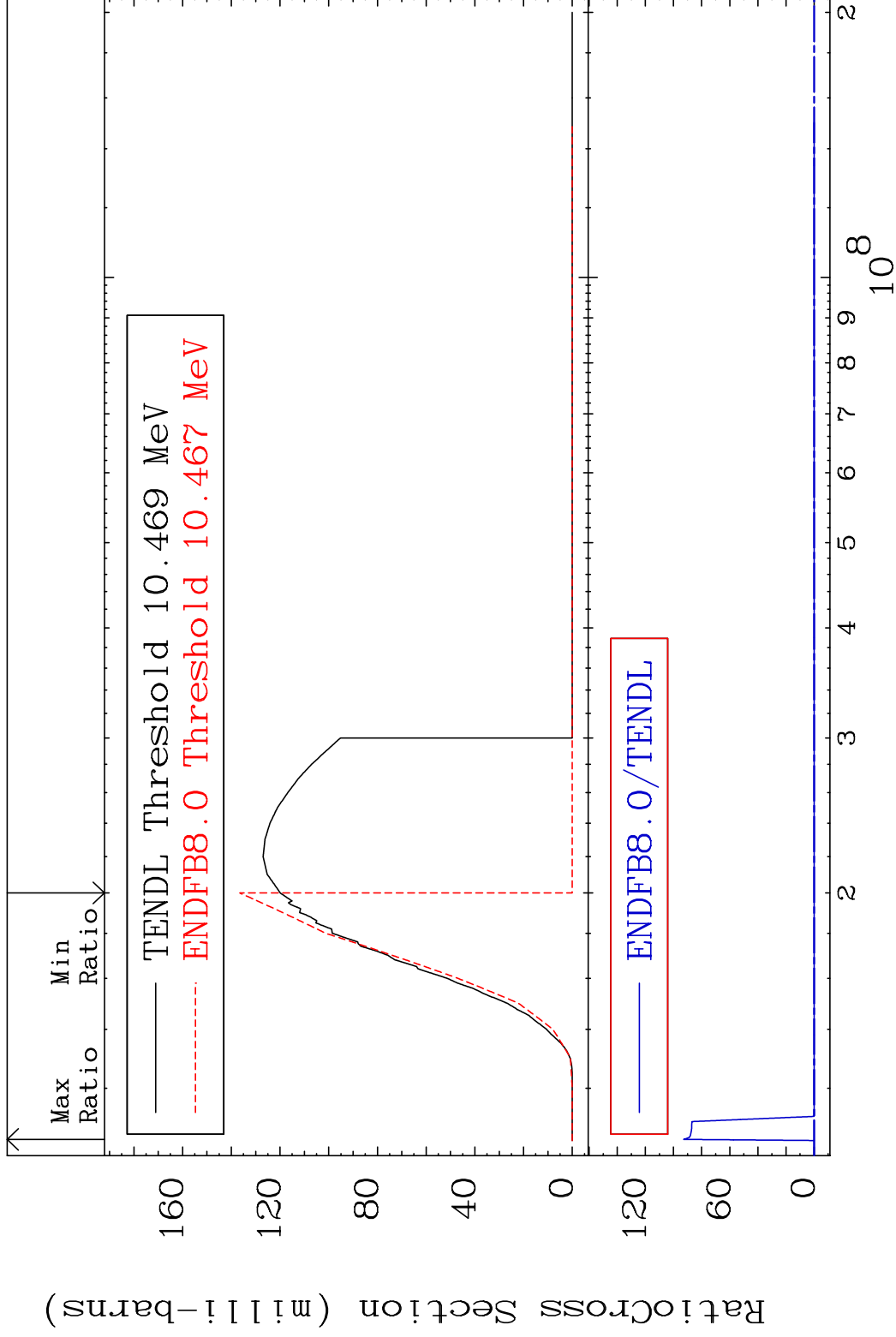


MAT 1325

(n, n') α

13-Al-27

Cross Section -100.0 To 9999. %

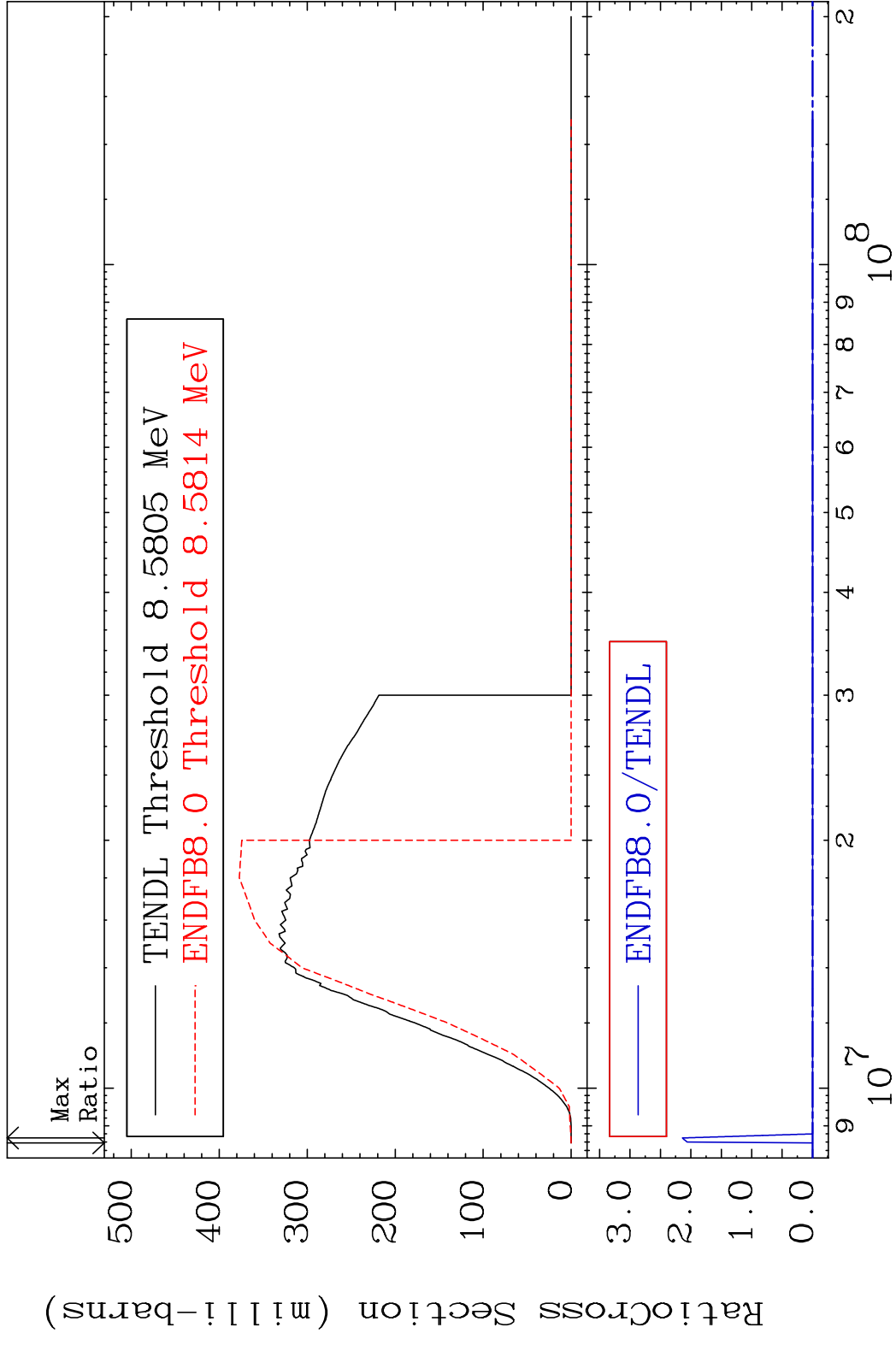


6

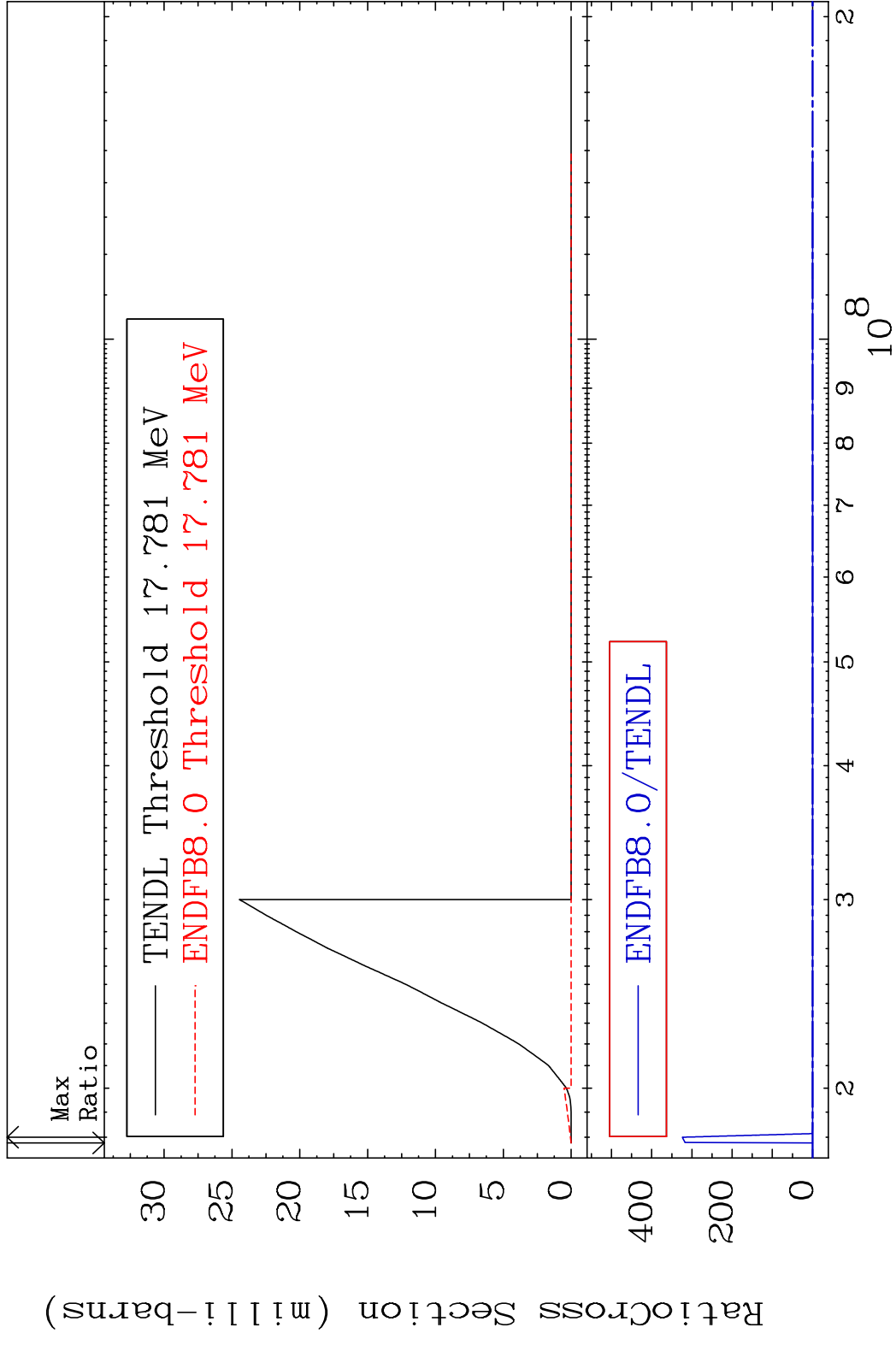
Incident Energy (eV)

13-Al-27

MAT 1325 (n, n') p 13-Al-27
 Cross Section -100.0 To 9999. %

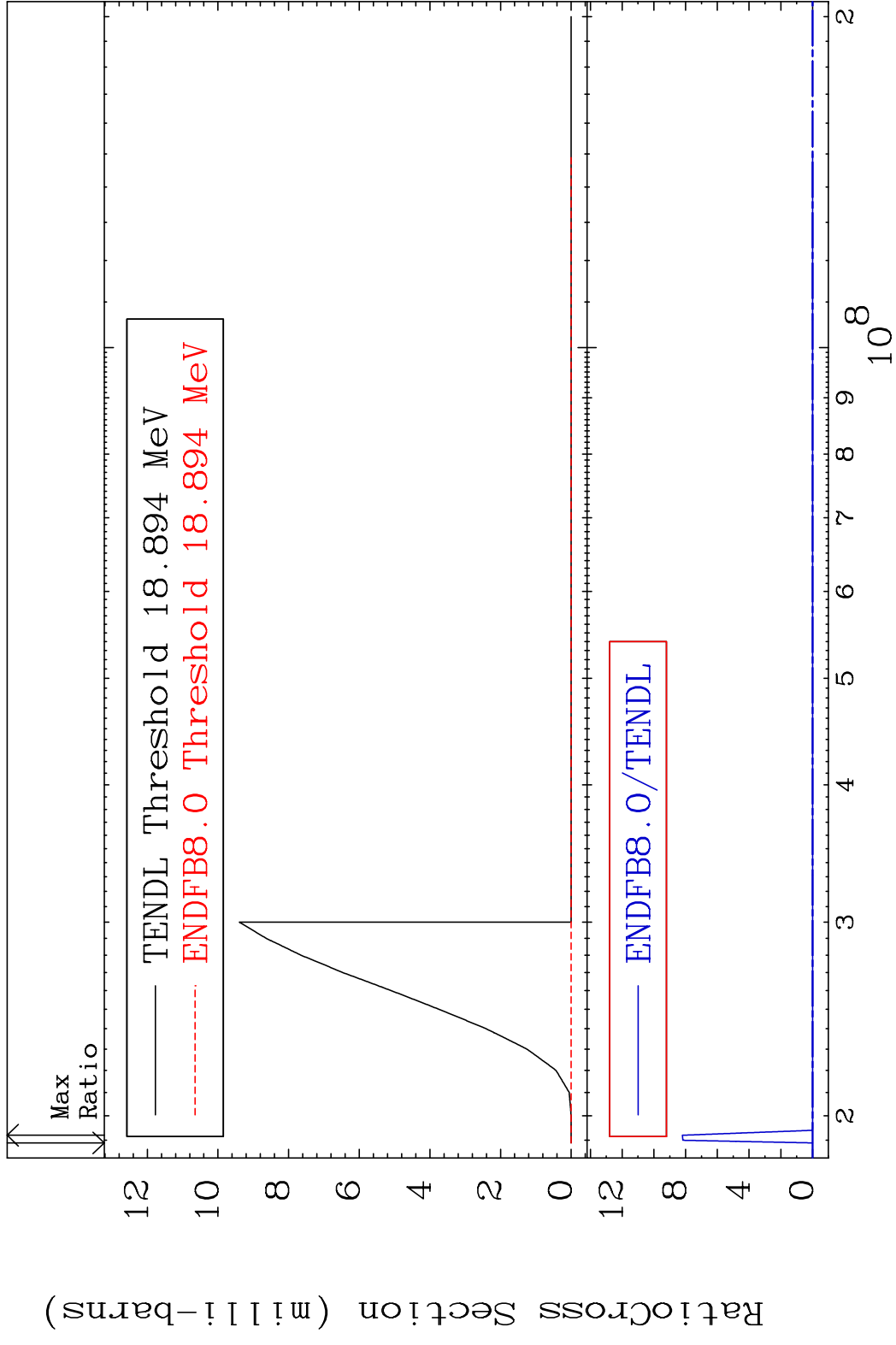


MAT 1325 (n, n') d 13-Al-27
 Cross Section -100.0 To 9999. %



8 Incident Energy (eV) 13-Al-27

MAT 1325 (n, n') t 13-Al-27
 Cross Section -100.0 To 9999. %

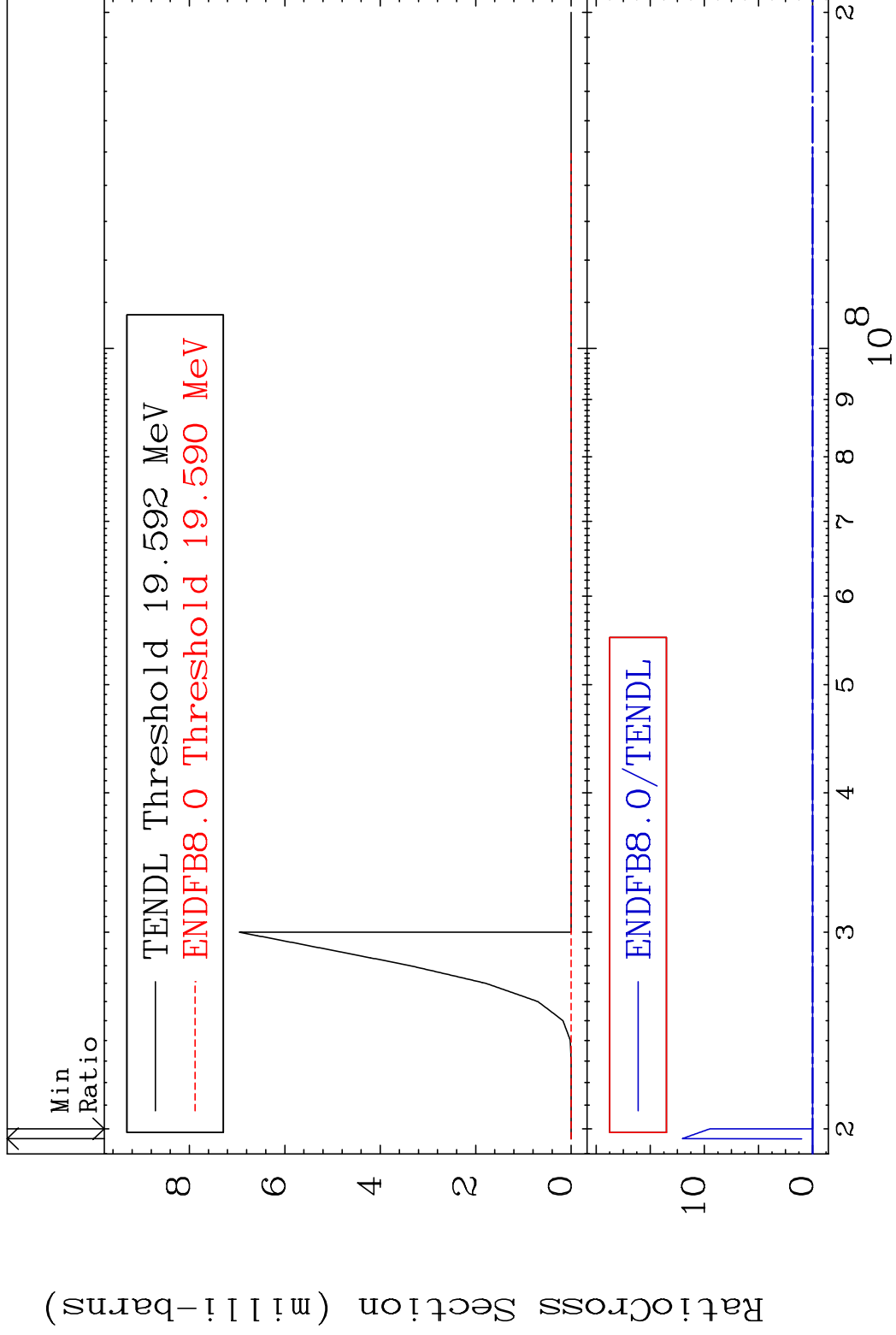


MAT 1325

(n,n') p α

13-Al-27

Cross Section -100.0 To 9999. %

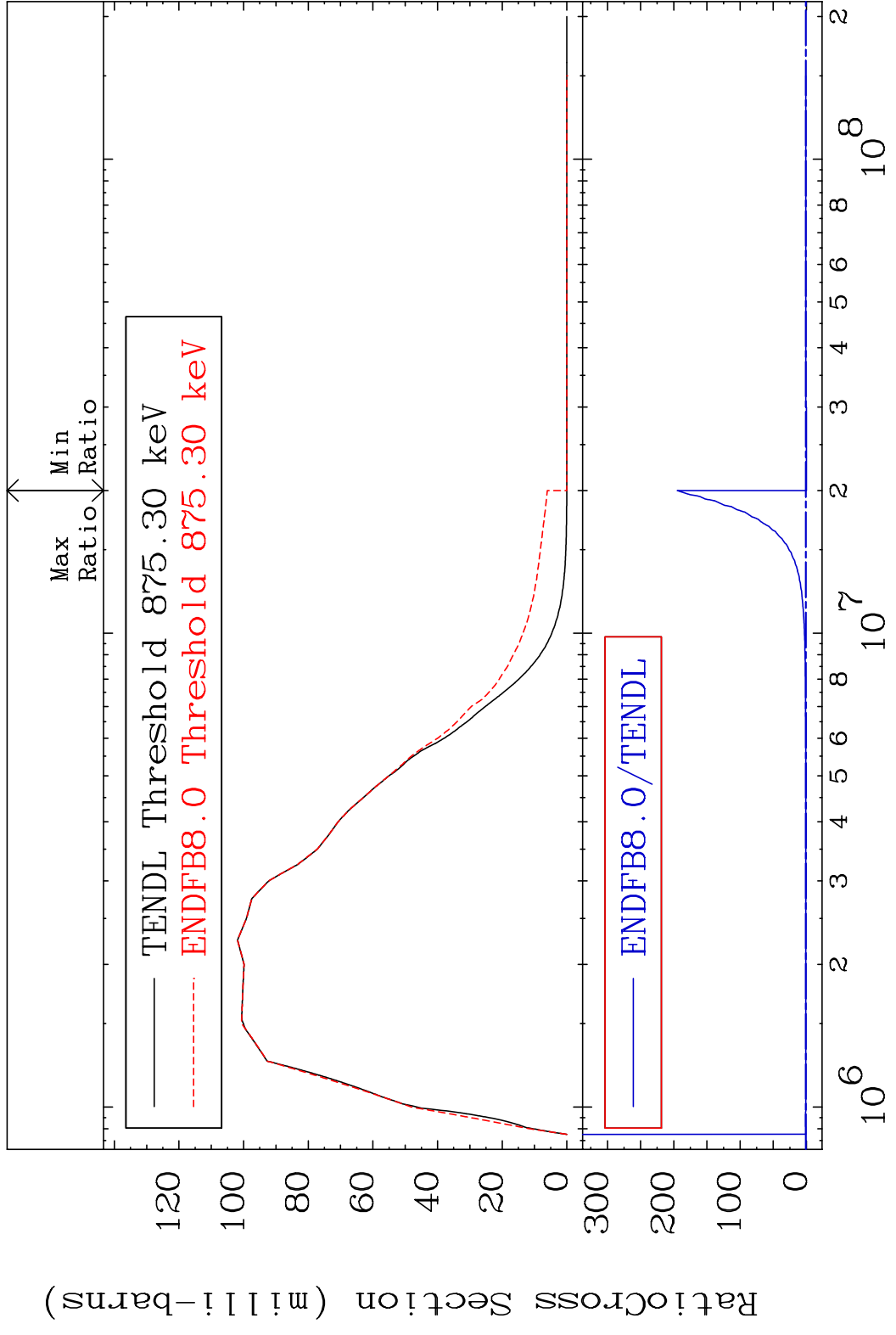


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Incident Energy (eV)

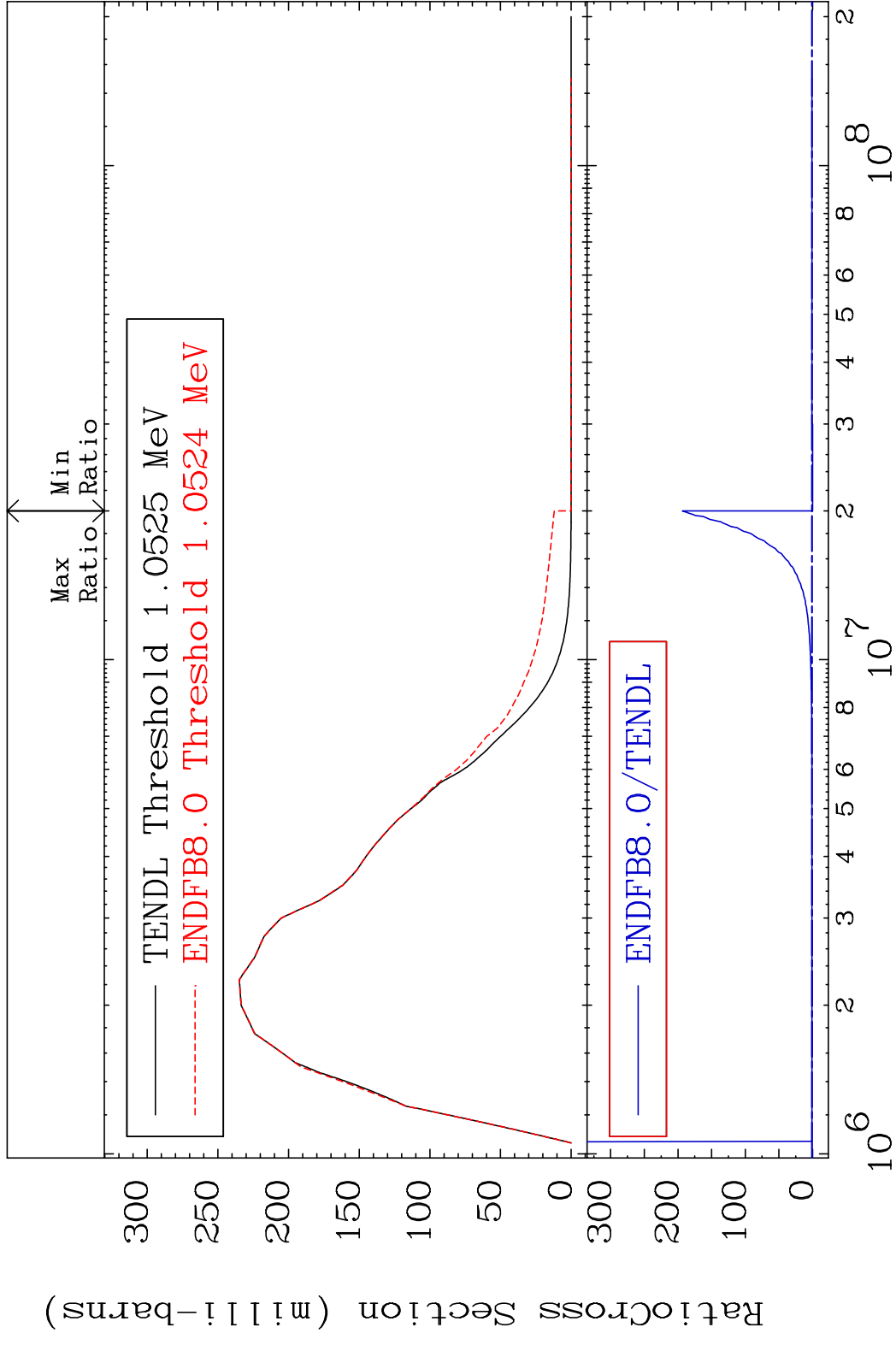
13-Al-27

MAT 1325 MT= 51 (n, n') Level 13-Al-27
 Cross Section -100.0 To 9999. %



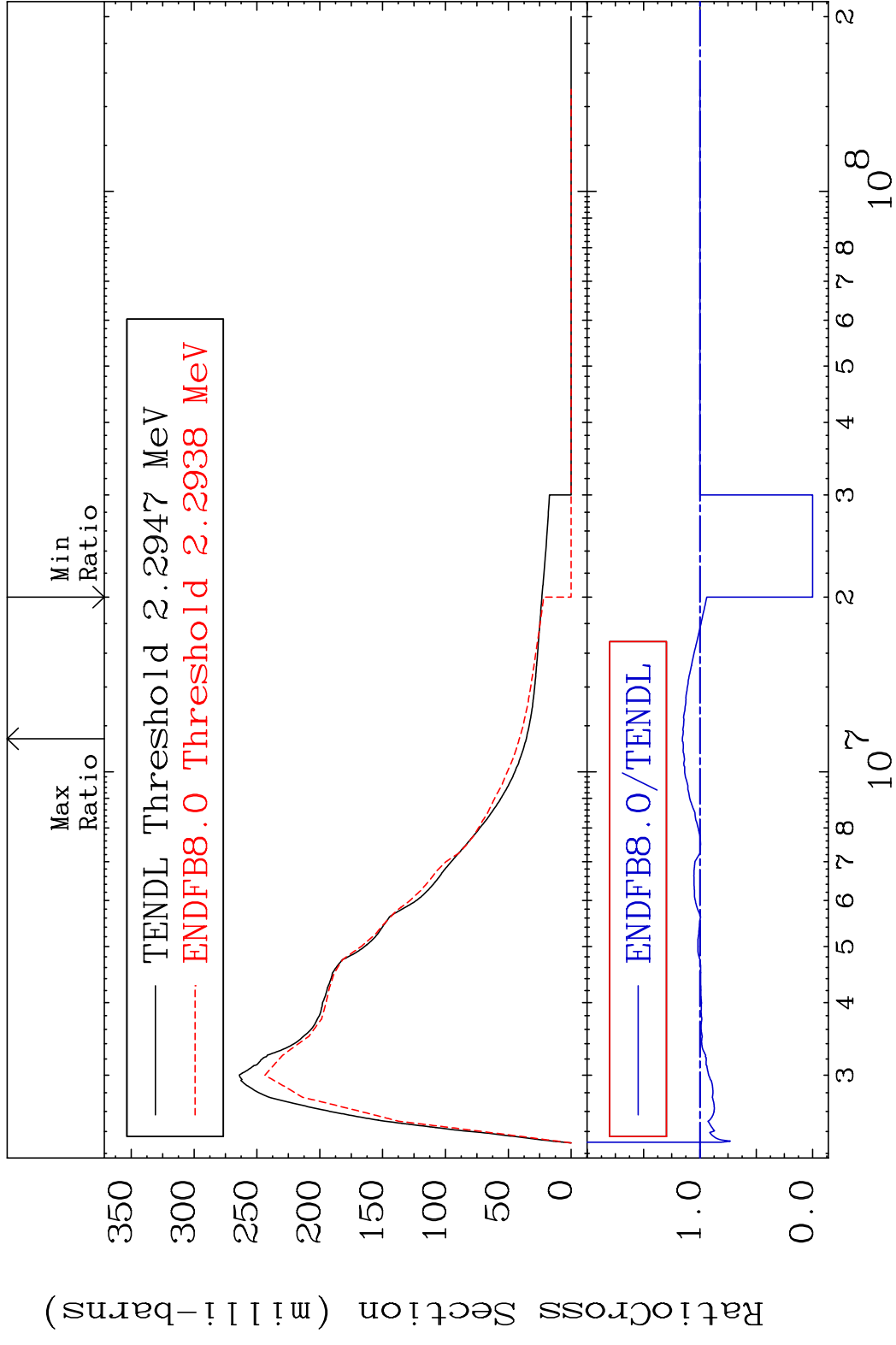
11 Incident Energy (eV) 13-Al-27

MAT 1325 MT= 52 (n, n') Level 13-Al-27
 Cross Section -100.0 To 9999. %

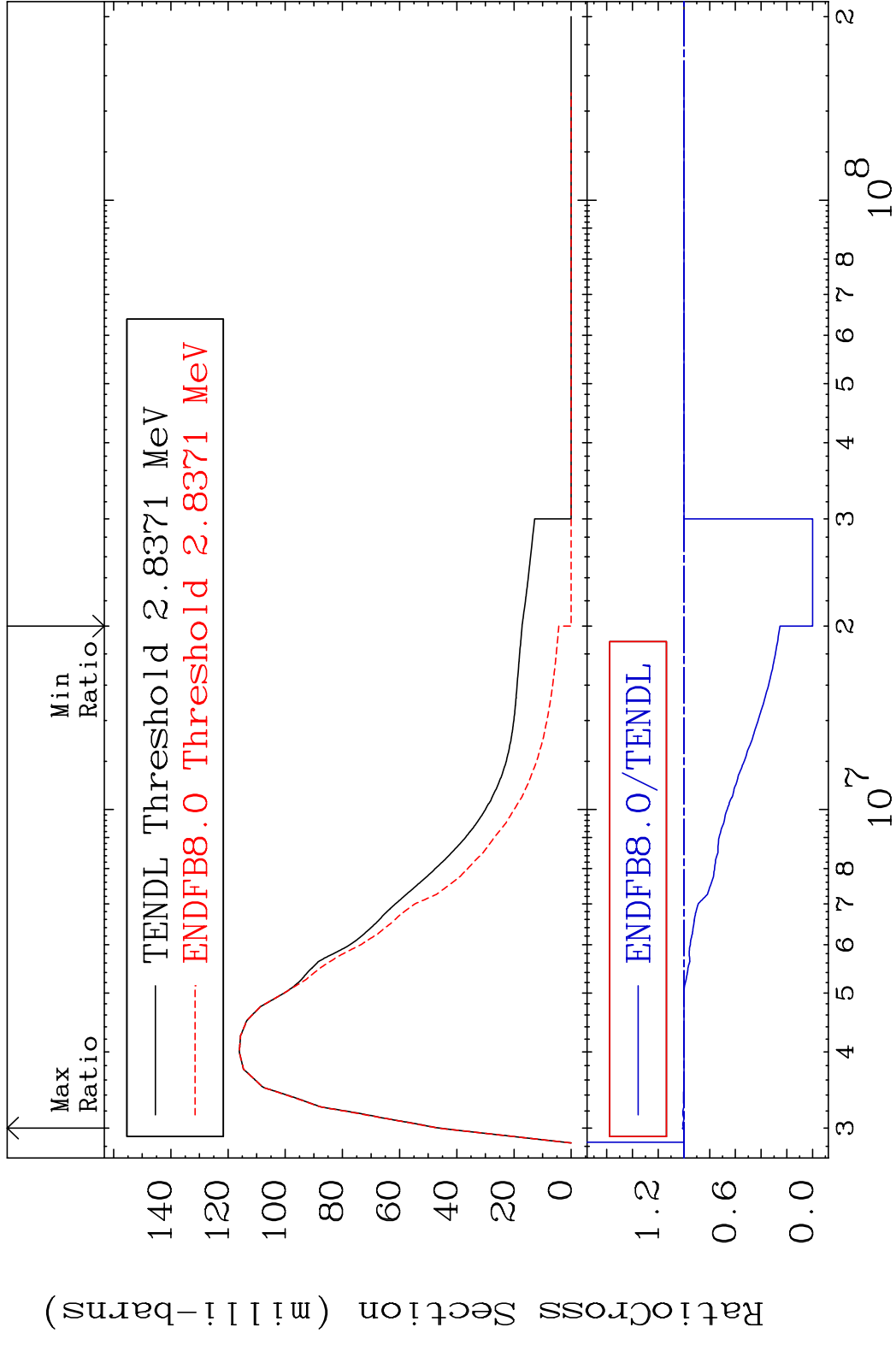


12 Incident Energy (eV) 13-Al-27

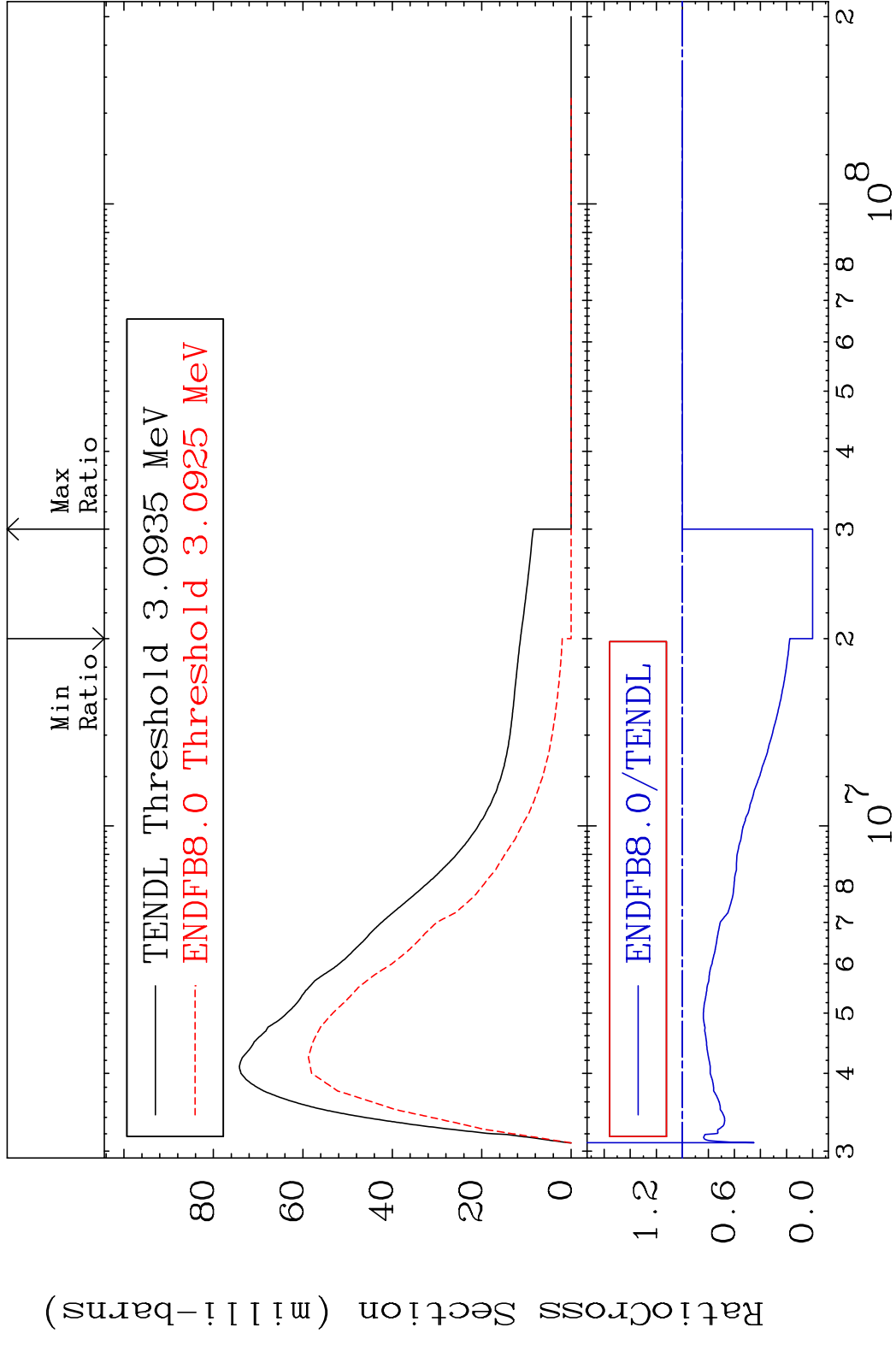
MAT 1325 MT= 53 (n, n') Level 13-Al-27
 Cross Section -100.0 To 15.60 %



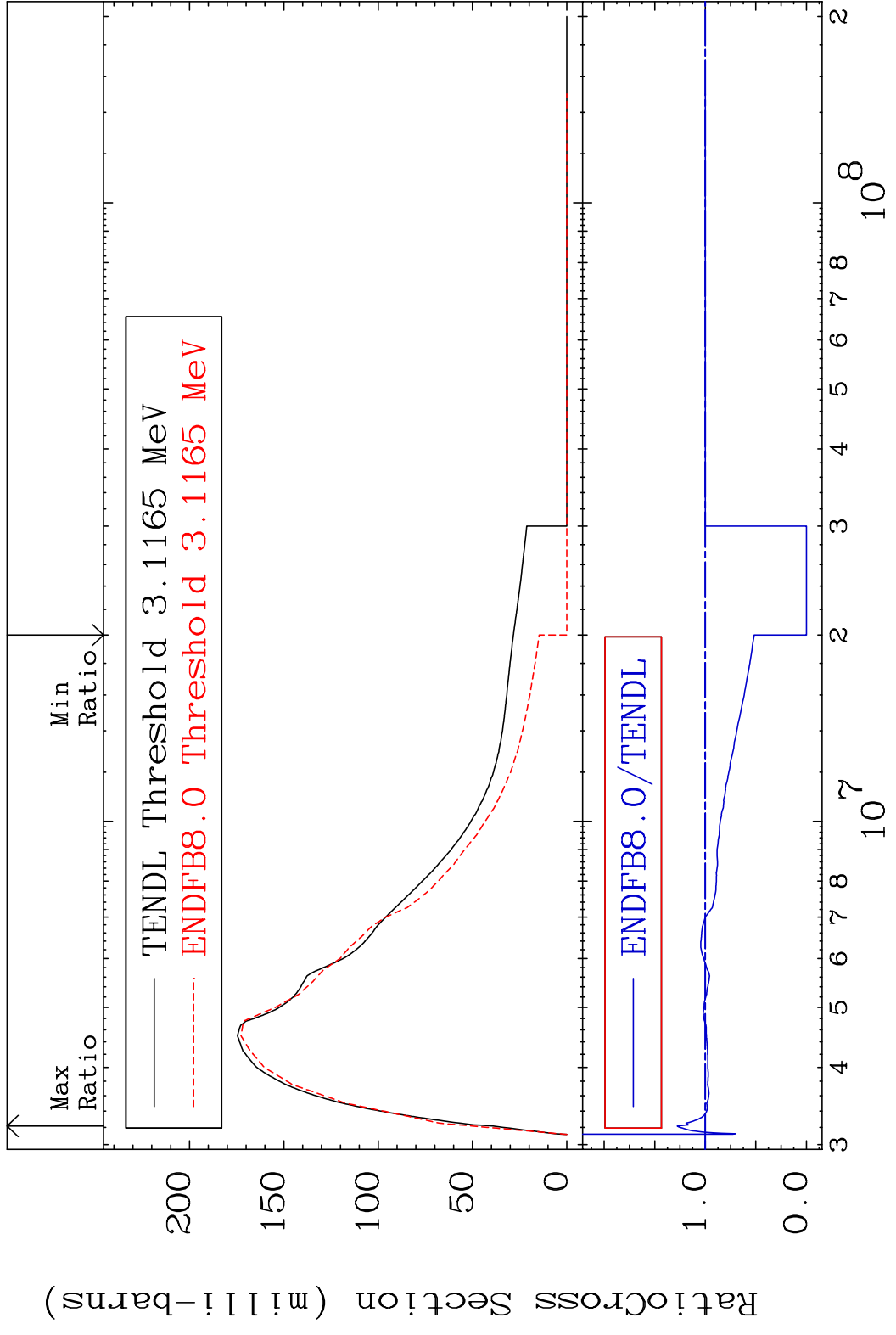
MAT 1325 MT= 54 (n,n') Level 13-Al-27
 Cross Section -100.0 To 1.220 %



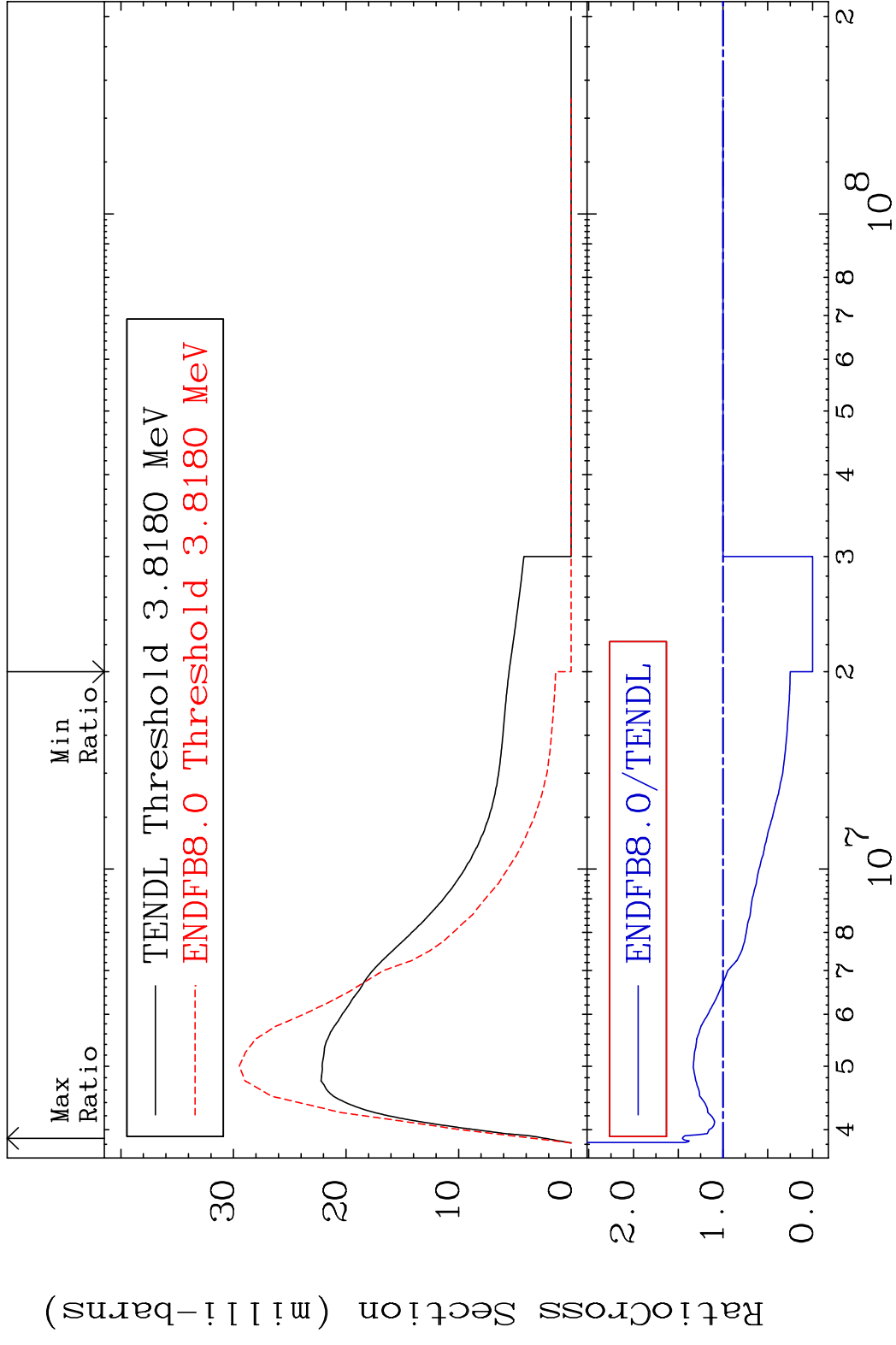
MAT 1325 MT= 55 (n, n') Level 13-Al-27
 Cross Section -100.0 To 0.000 %



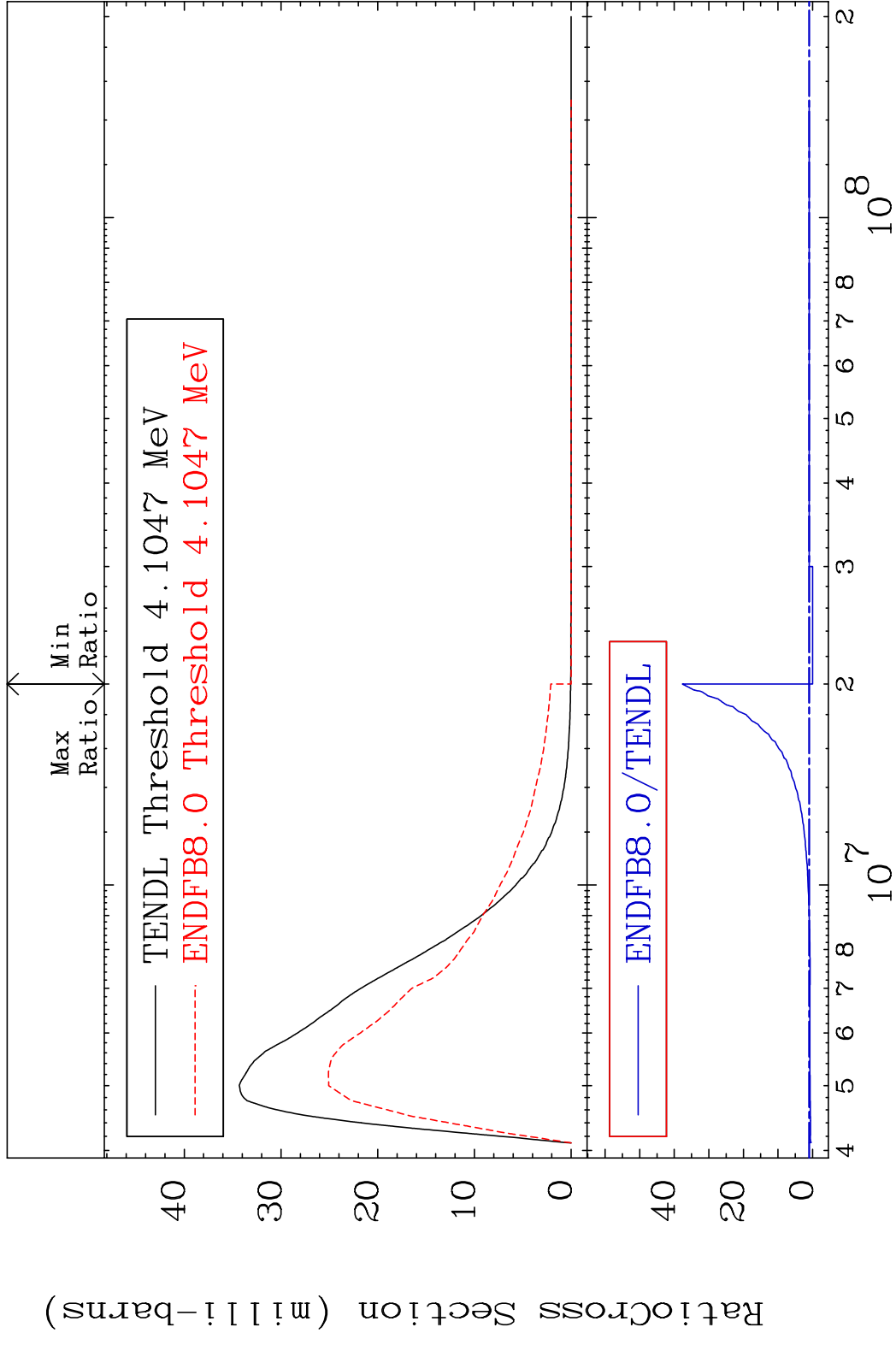
MAT 1325 MT= 56 (n,n') Level 13-Al-27
 Cross Section -100.0 To 27.80 %



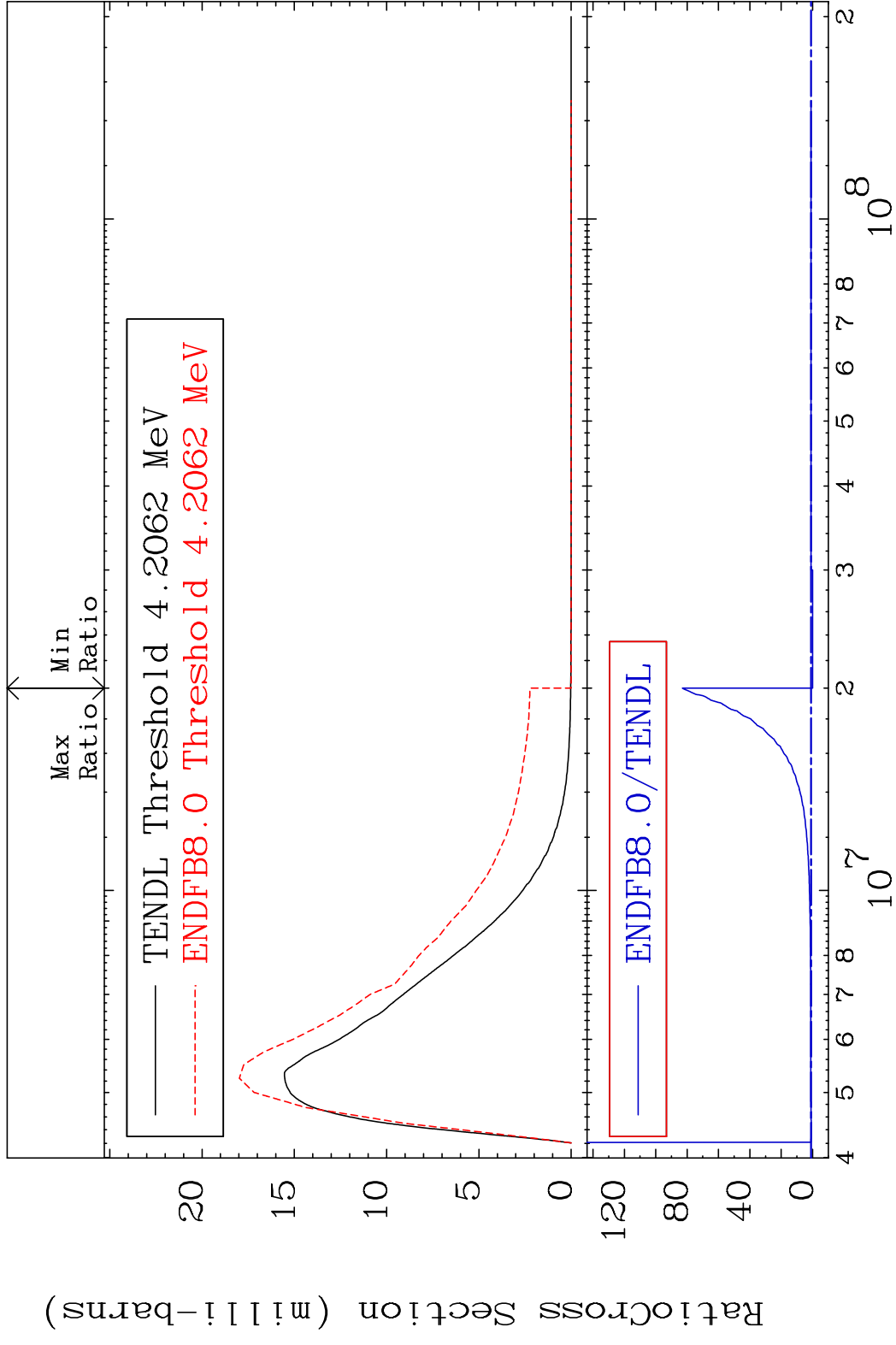
MAT 1325 MT= 57 (n,n') Level 13-Al-27
 Cross Section -100.0 To 45.43 %



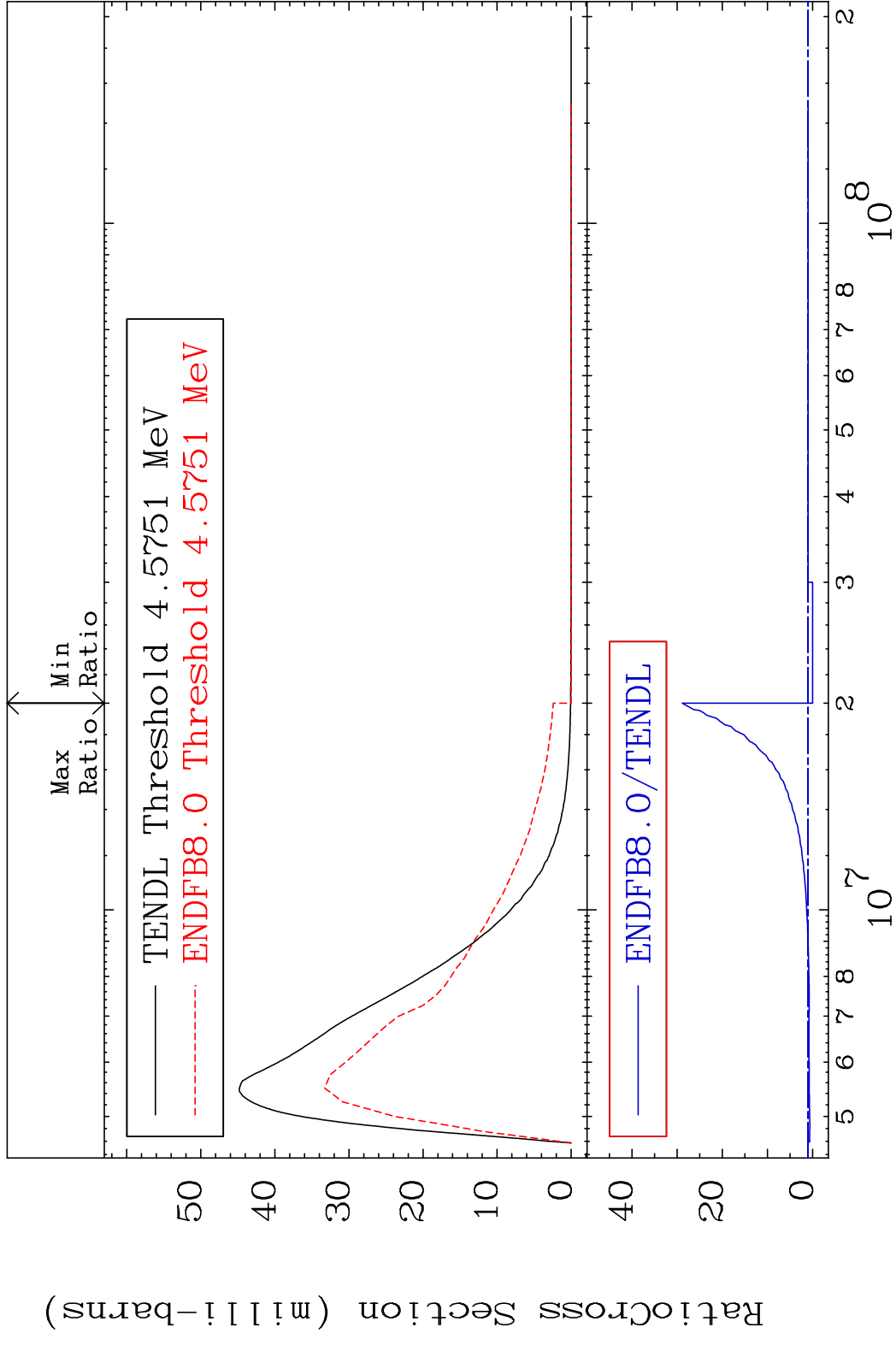
MAT 1325 MT= 58 (n, n') Level 13-Al-27
 Cross Section -100.0 To 3666. %



MAT 1325 MT= 59 (n, n') Level 13-Al-27
 Cross Section -100.0 To 8204. %

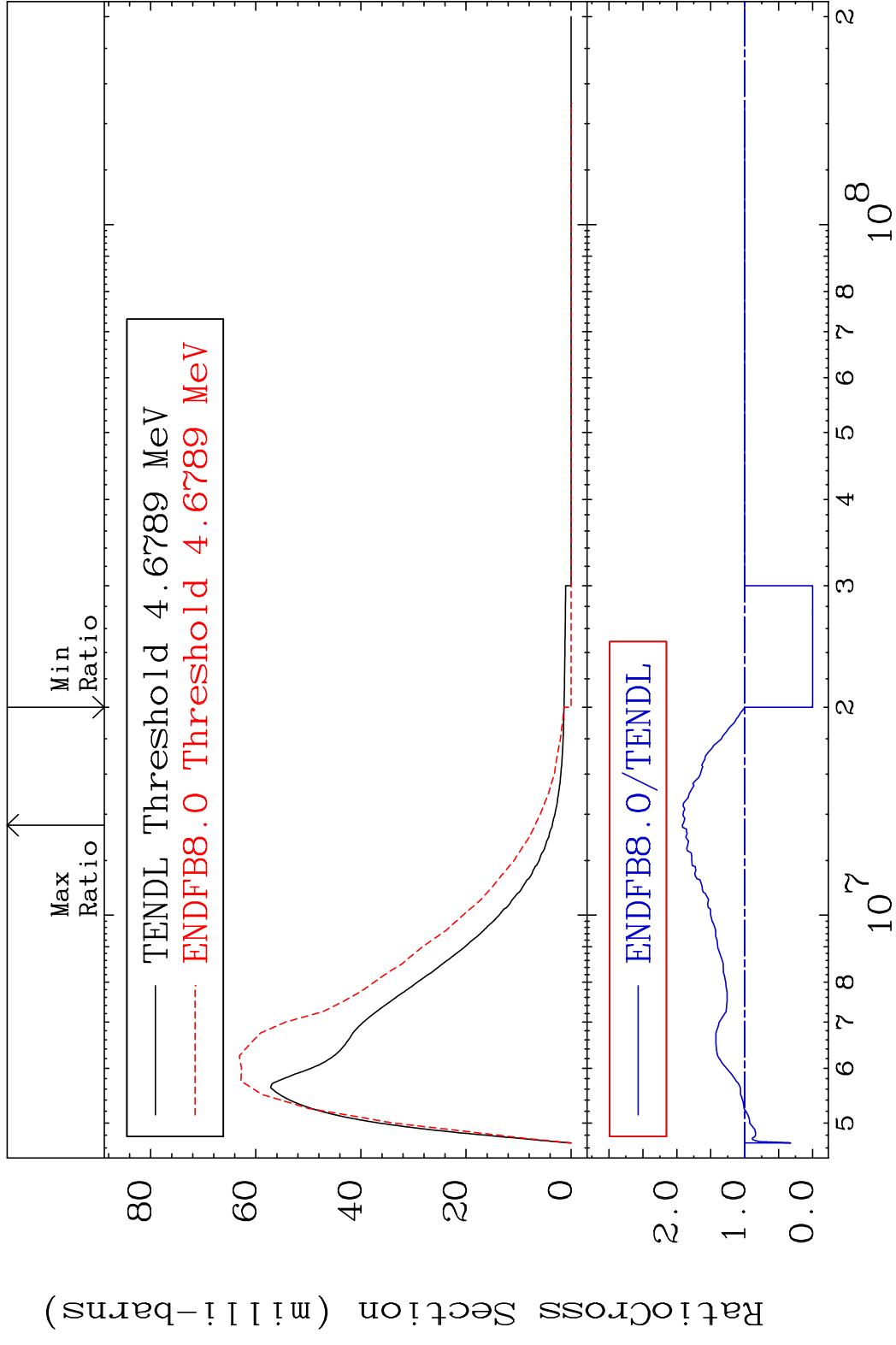


MAT 1325 MT= 60 (n, n') Level 13-Al-27
 Cross Section -100.0 To 2783. %

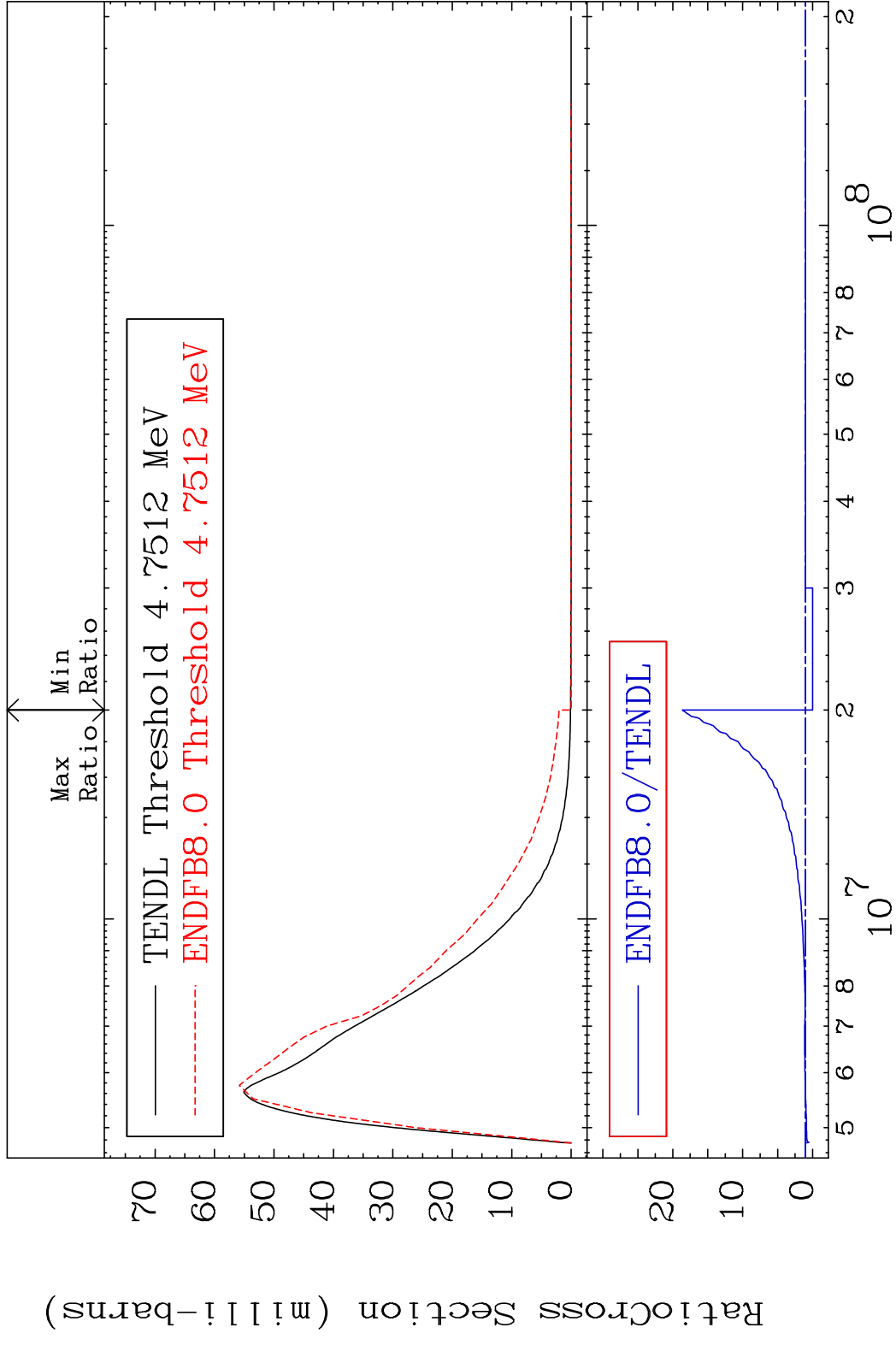


20 Incident Energy (eV) 13-Al-27

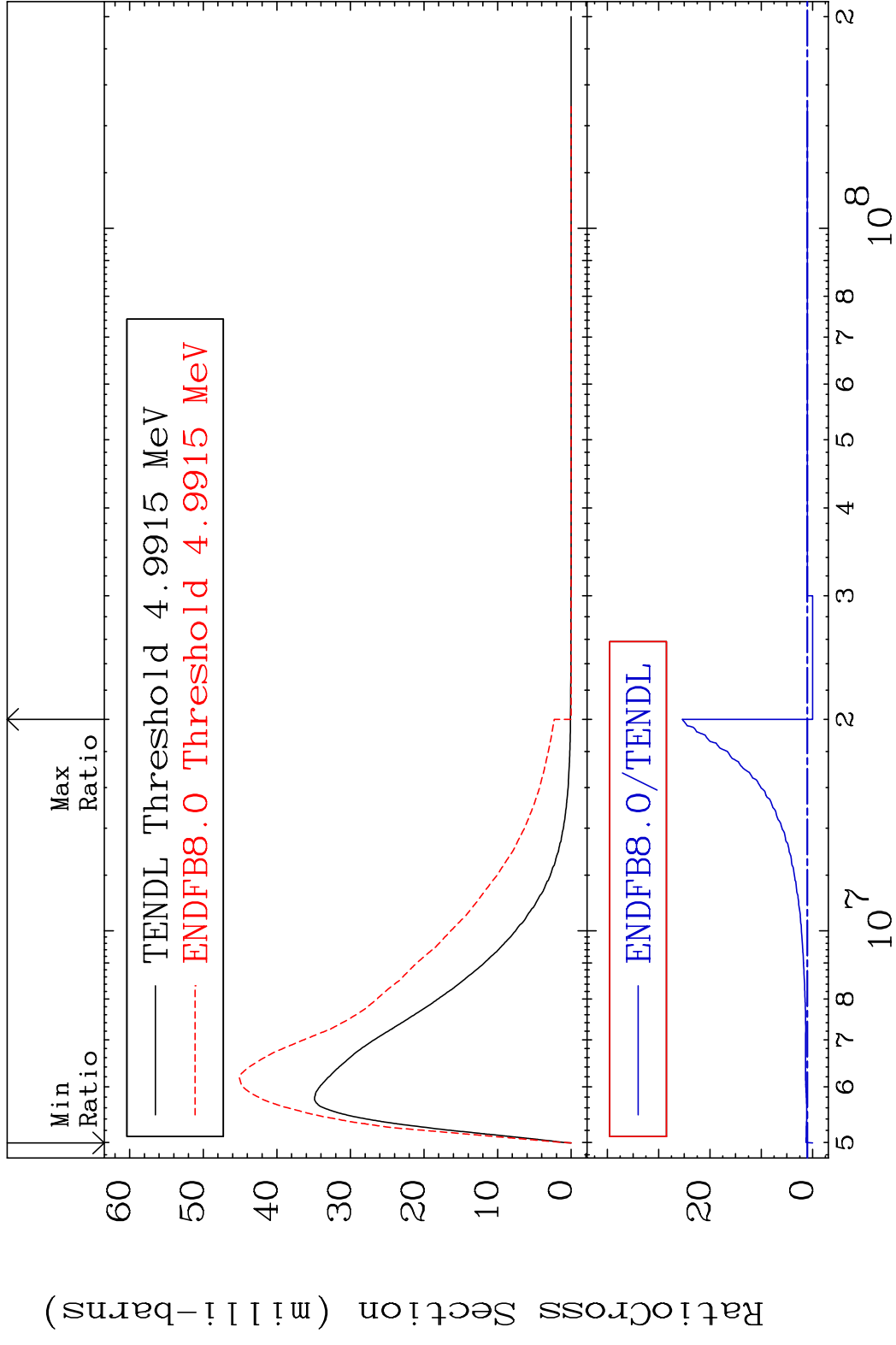
MAT 1325 MT= 61 (n, n') Level 13-Al-27
 Cross Section -100.0 To 91.83 %



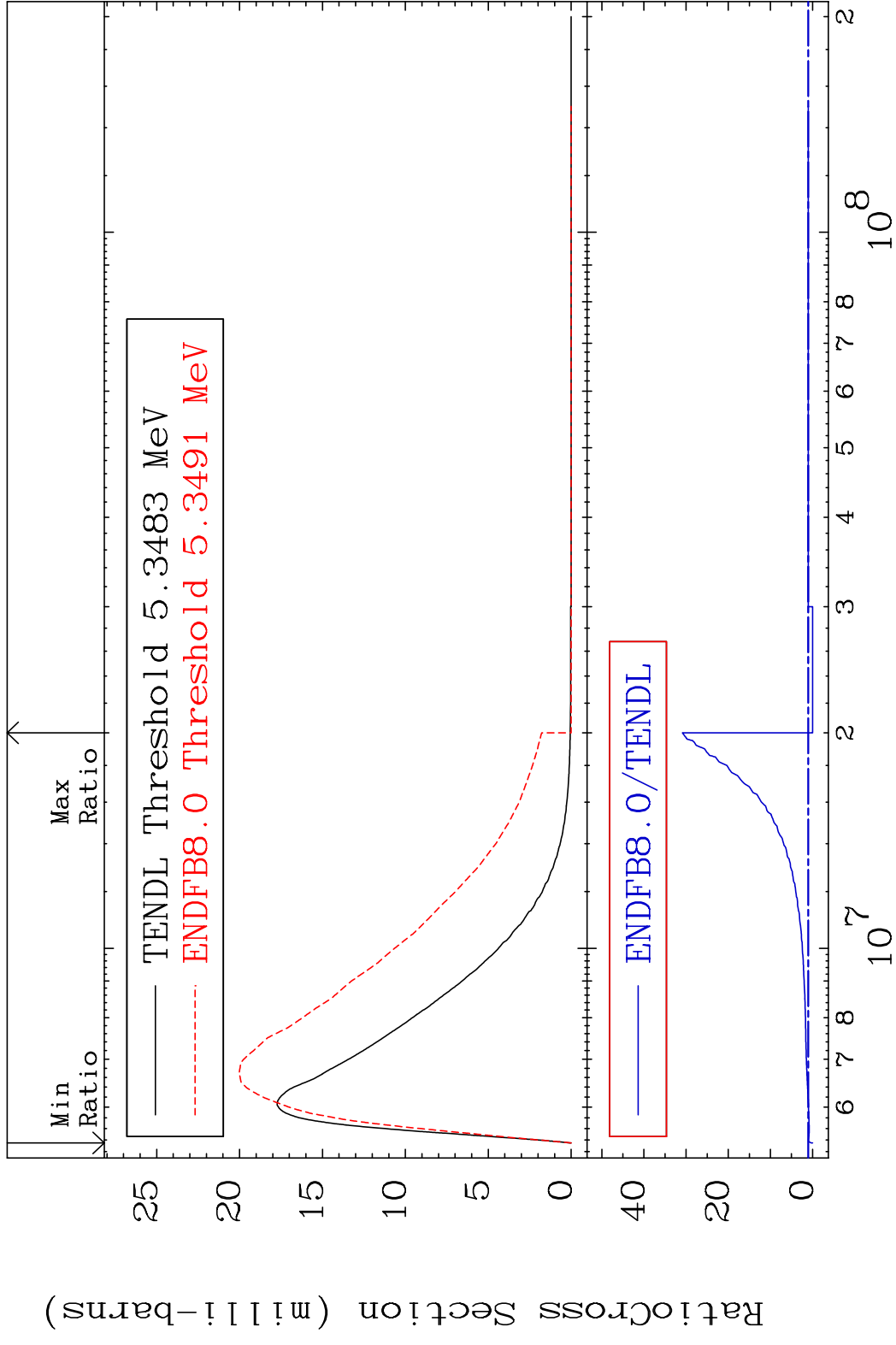
MAT 1325 MT= 62 (n, n') Level 13-Al-27
 Cross Section -100.0 To 1763. %



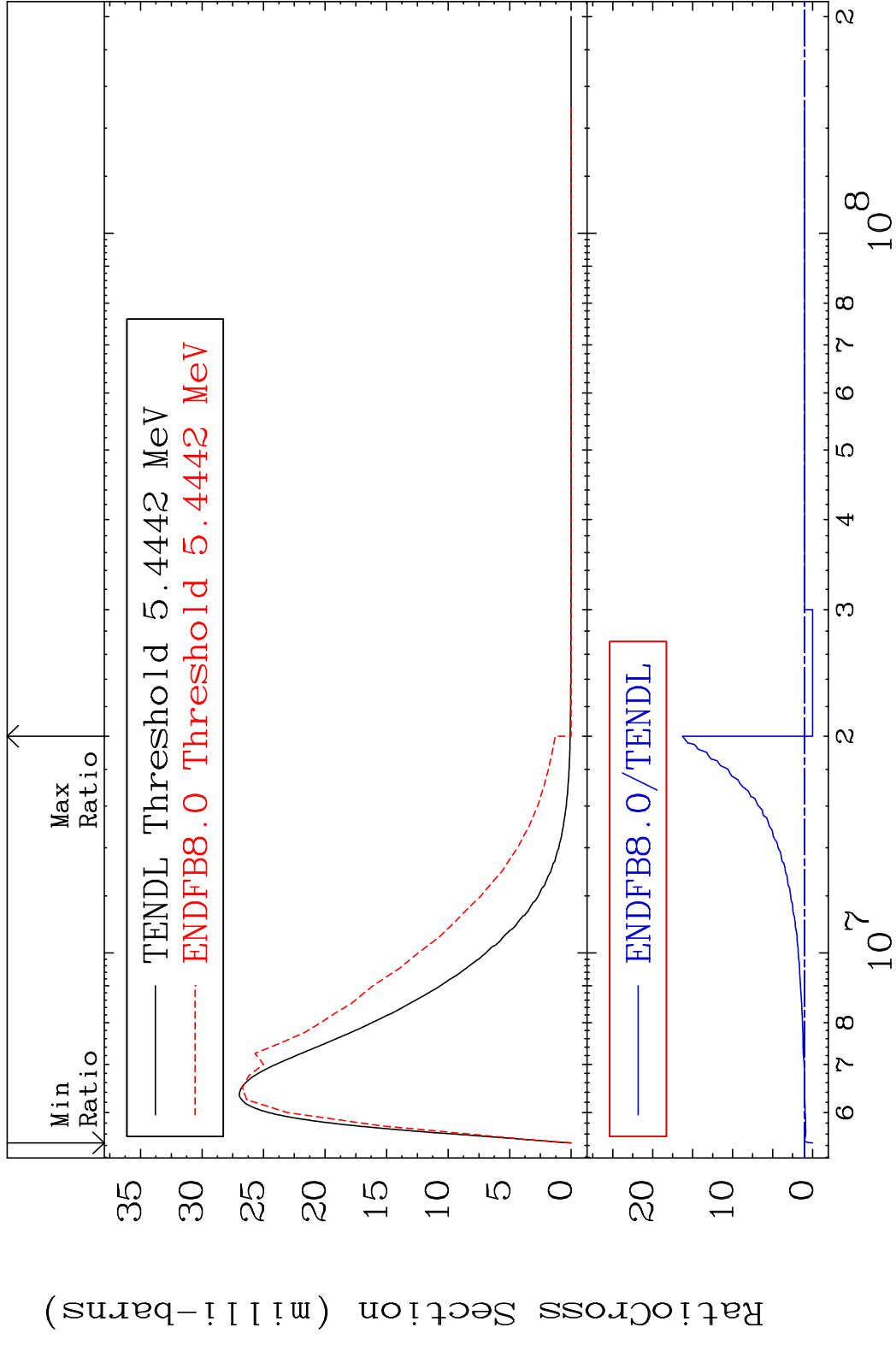
MAT 1325 MT= 63 (n, n') Level 13-Al-27
 Cross Section -100.0 To 2438. %



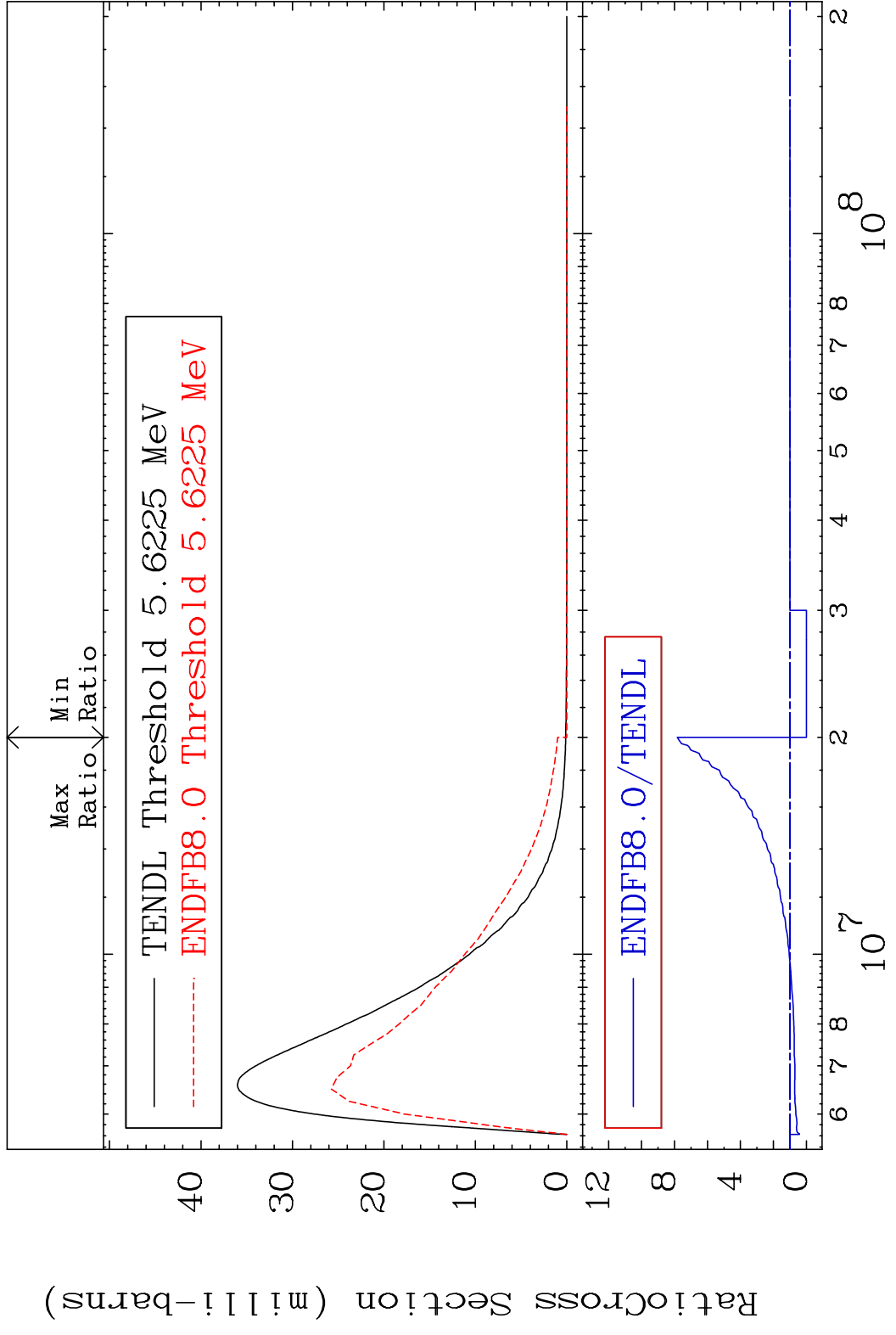
MAT 1325 MT= 64 (n,n') Level 13-Al-27
 Cross Section -100.0 To 2989. %



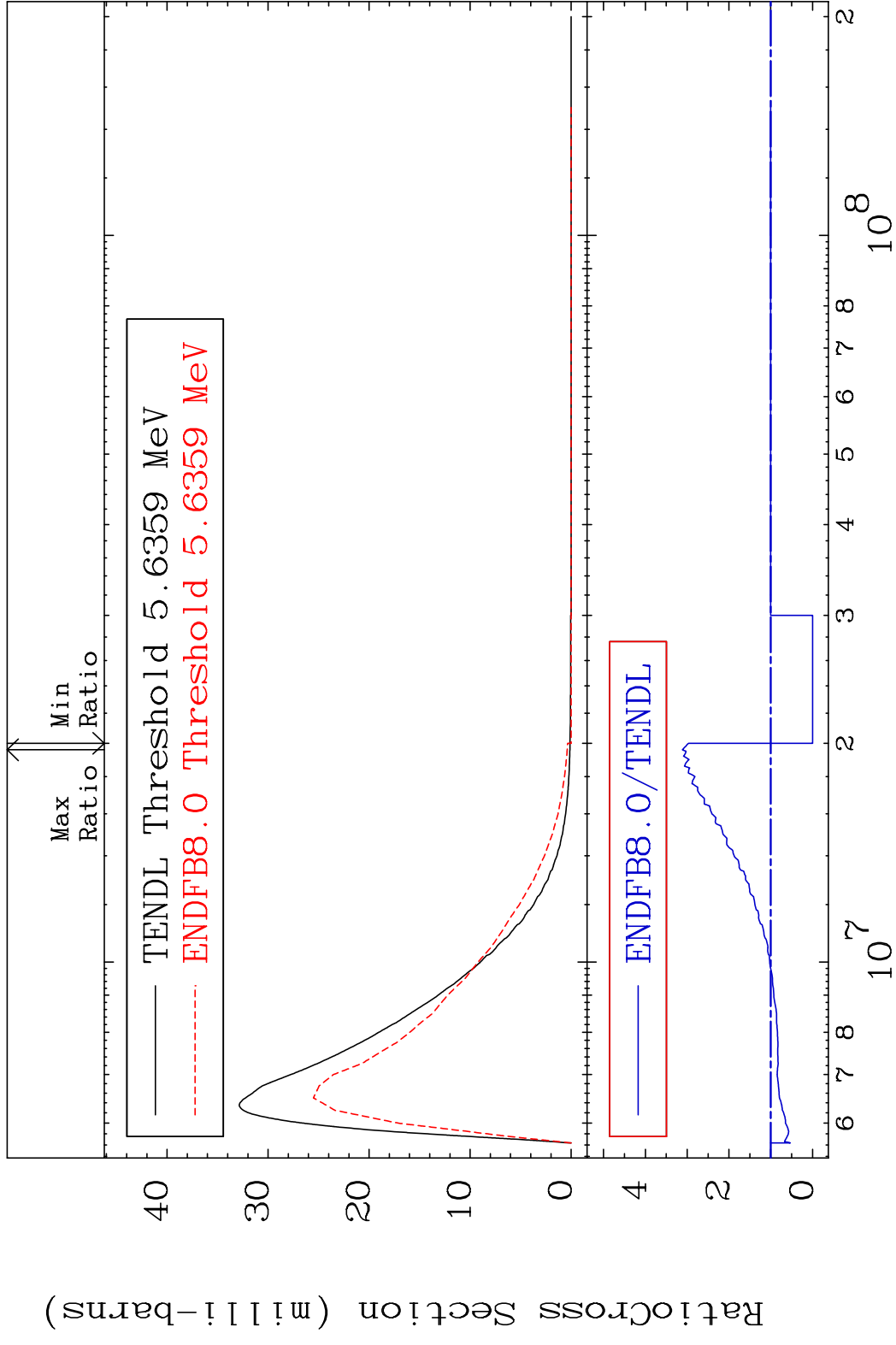
MAT 1325 MT= 65 (n,n') Level 13-Al-27
 Cross Section -100.0 To 1529. %



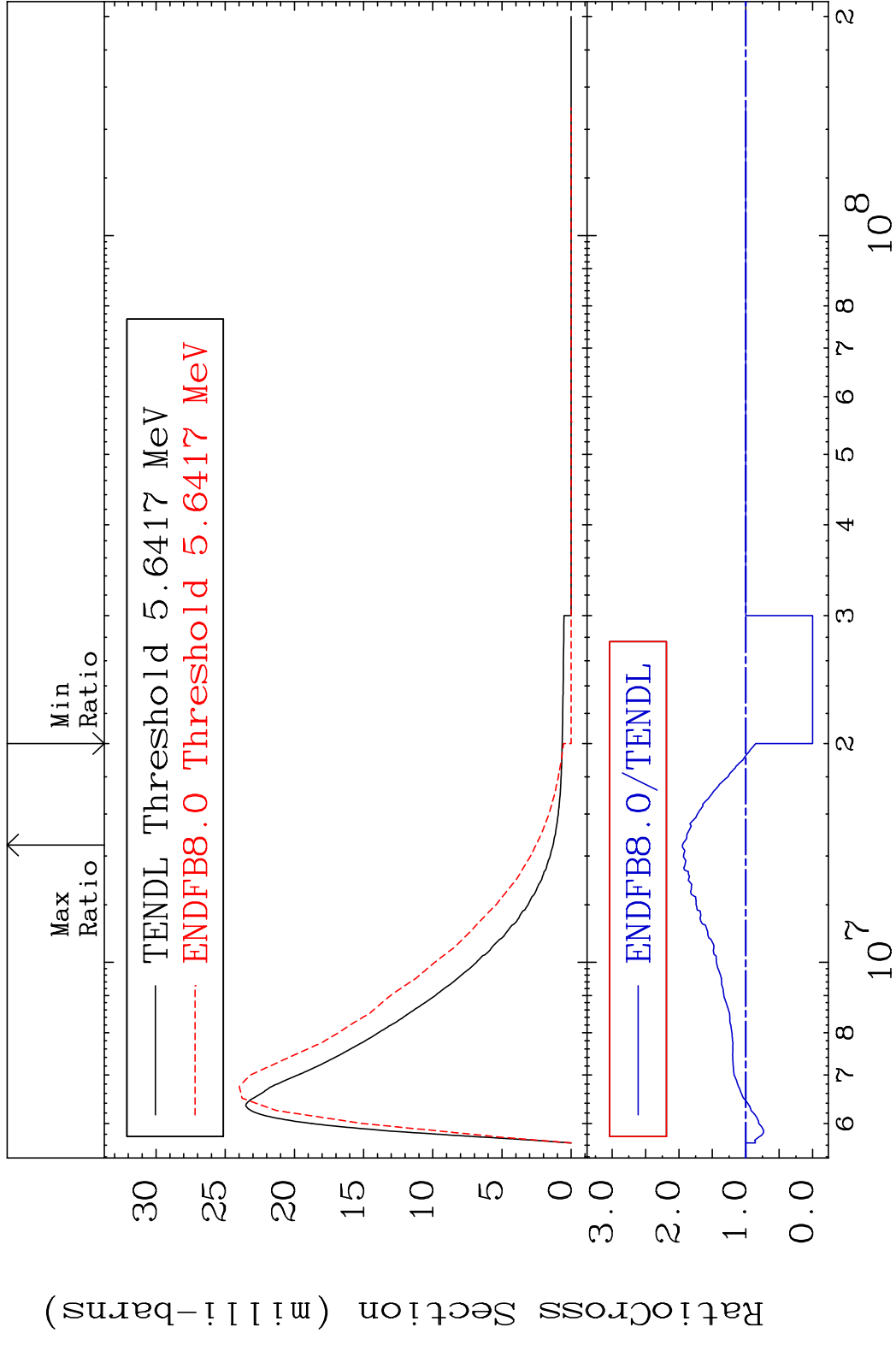
MAT 1325 MT= 66 (n,n') Level 13-Al-27
 Cross Section -100.0 To 683.9 %



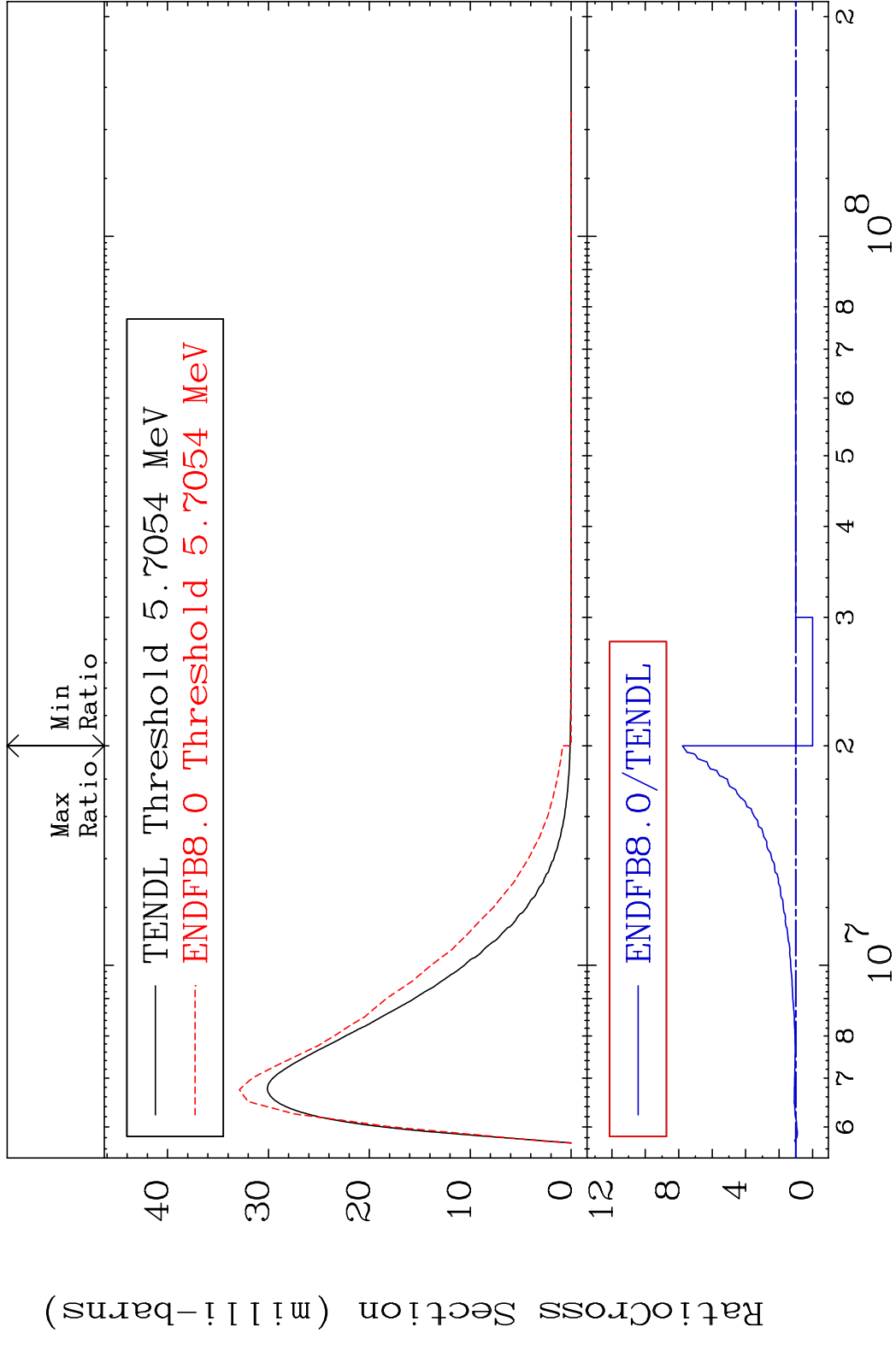
MAT 1325 MT= 67 (n, n') Level 13-Al-27
 Cross Section -100.0 To 211.5 %



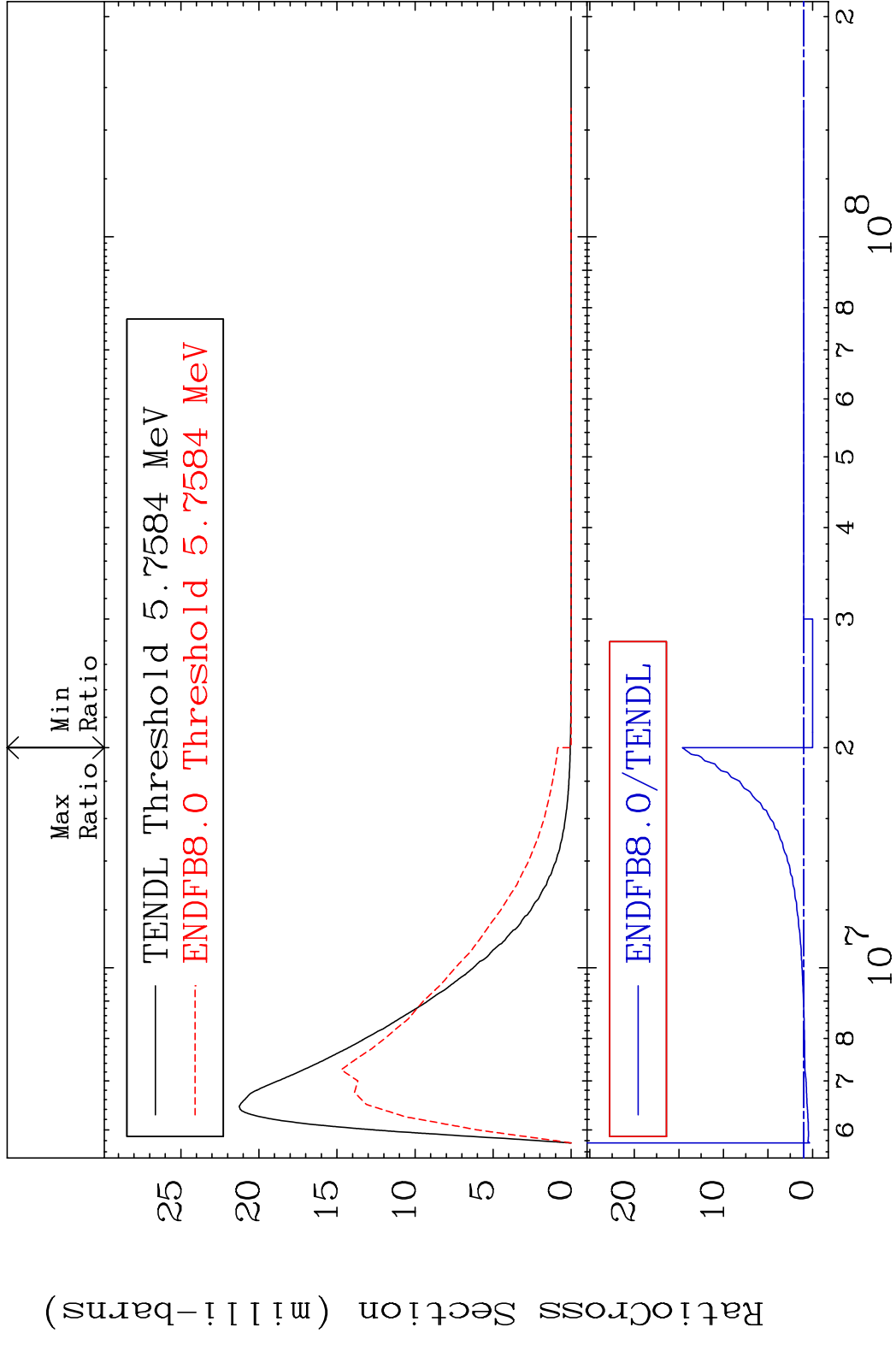
MAT 1325 MT= 68 (n, n') Level 13-Al-27
 Cross Section -100.0 To 94.93 %



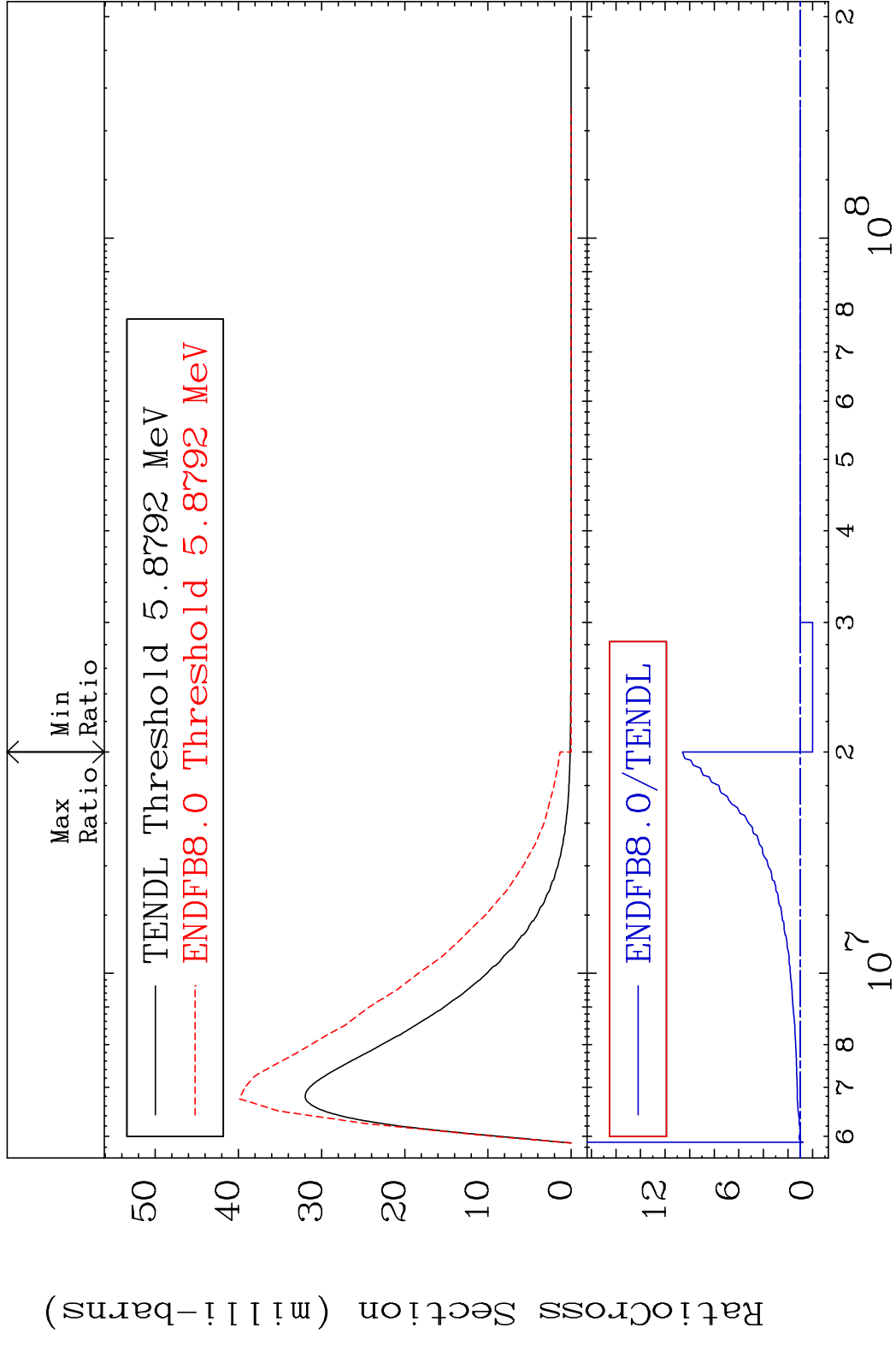
MAT 1325 MT= 69 (n, n') Level 13-Al-27
 Cross Section -100.0 To 678.4 %



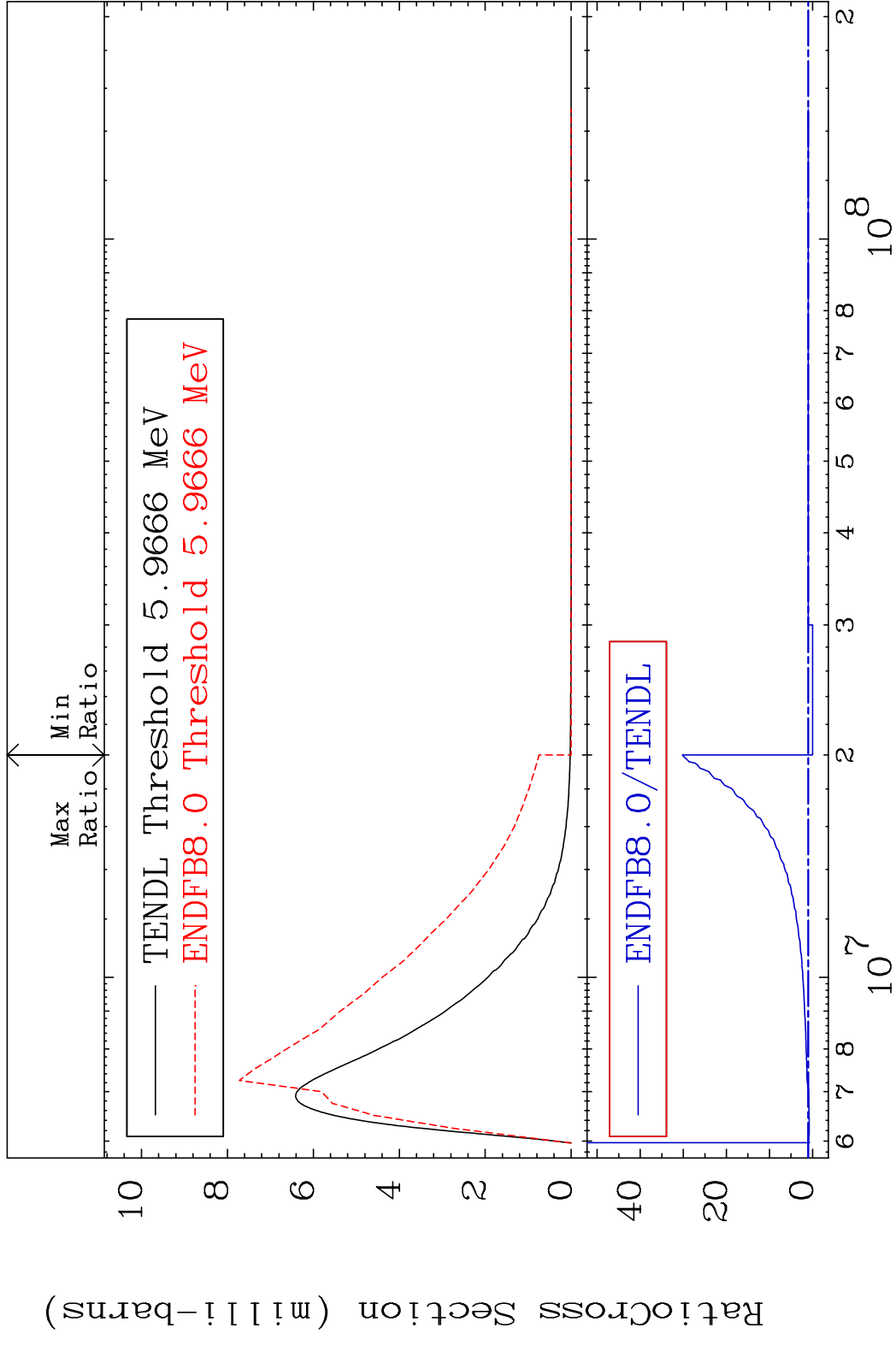
MAT 1325 MT= 70 (n,n') Level 13-Al-27
 Cross Section -100.0 To 1361. %



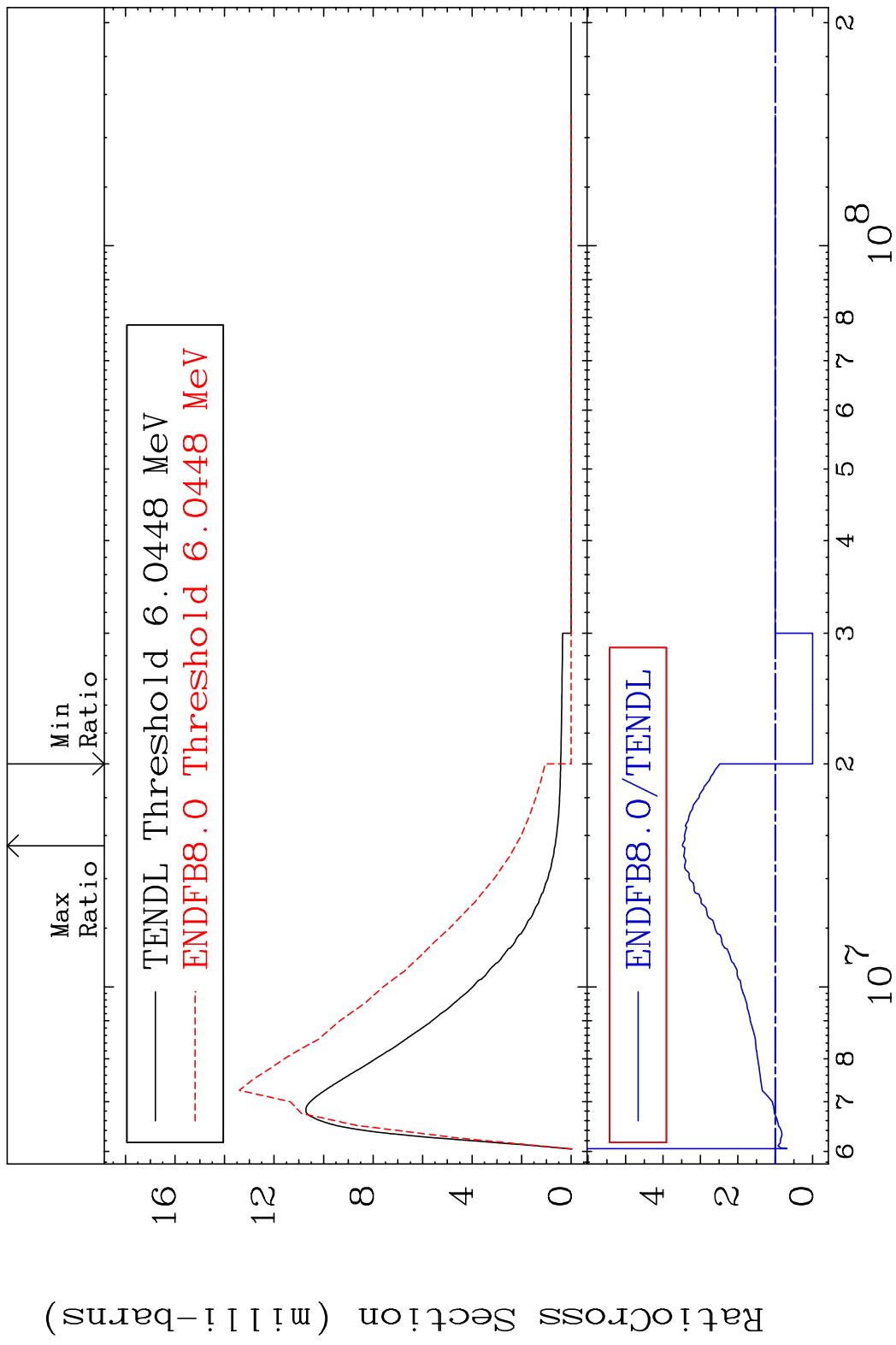
MAT 1325 MT= 71 (n,n') Level 13-Al-27
 Cross Section -100.0 To 959.5 %



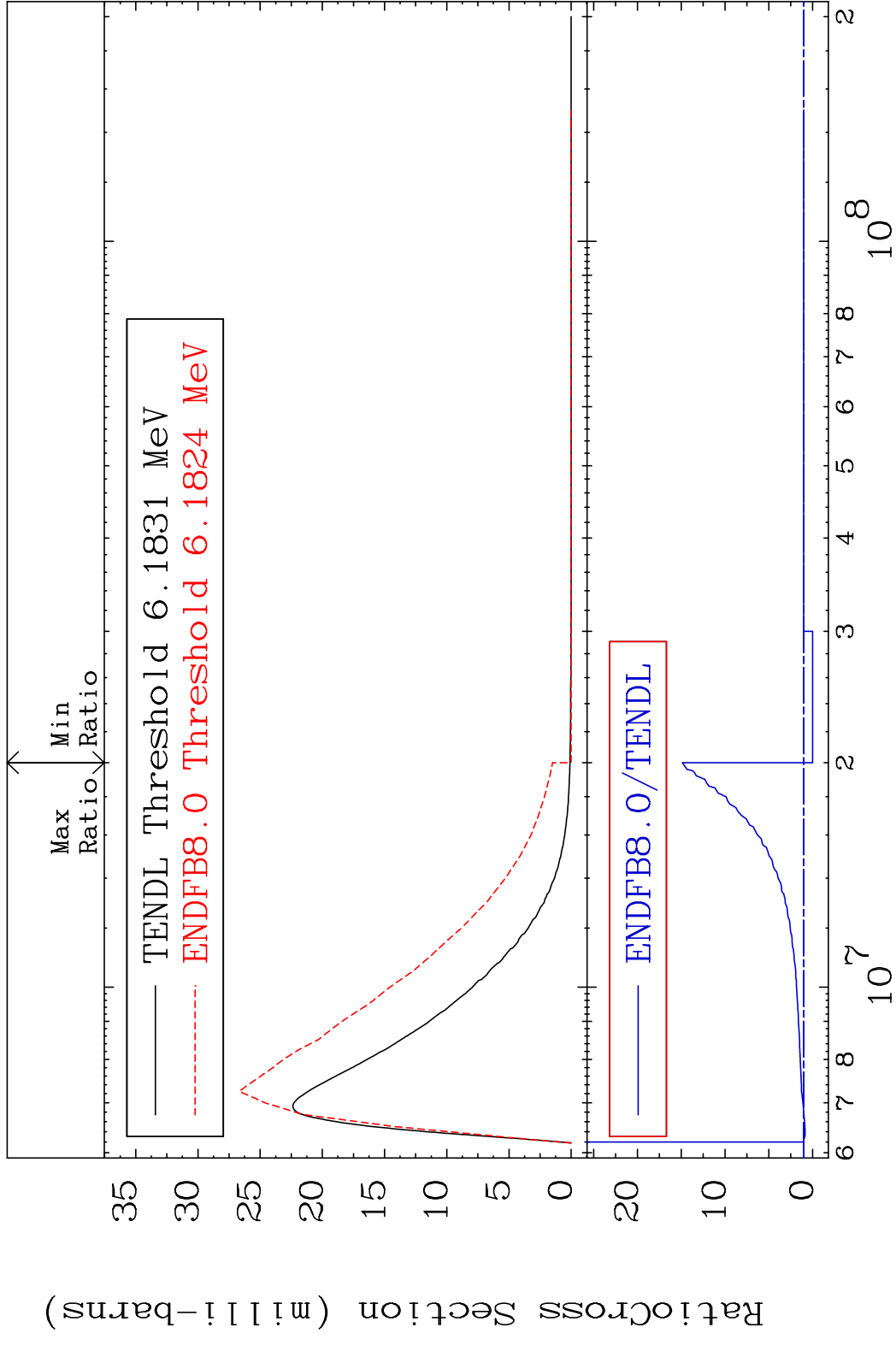
MAT 1325 MT= 72 (n,n') Level 13-Al-27
 Cross Section -100.0 To 2923. %



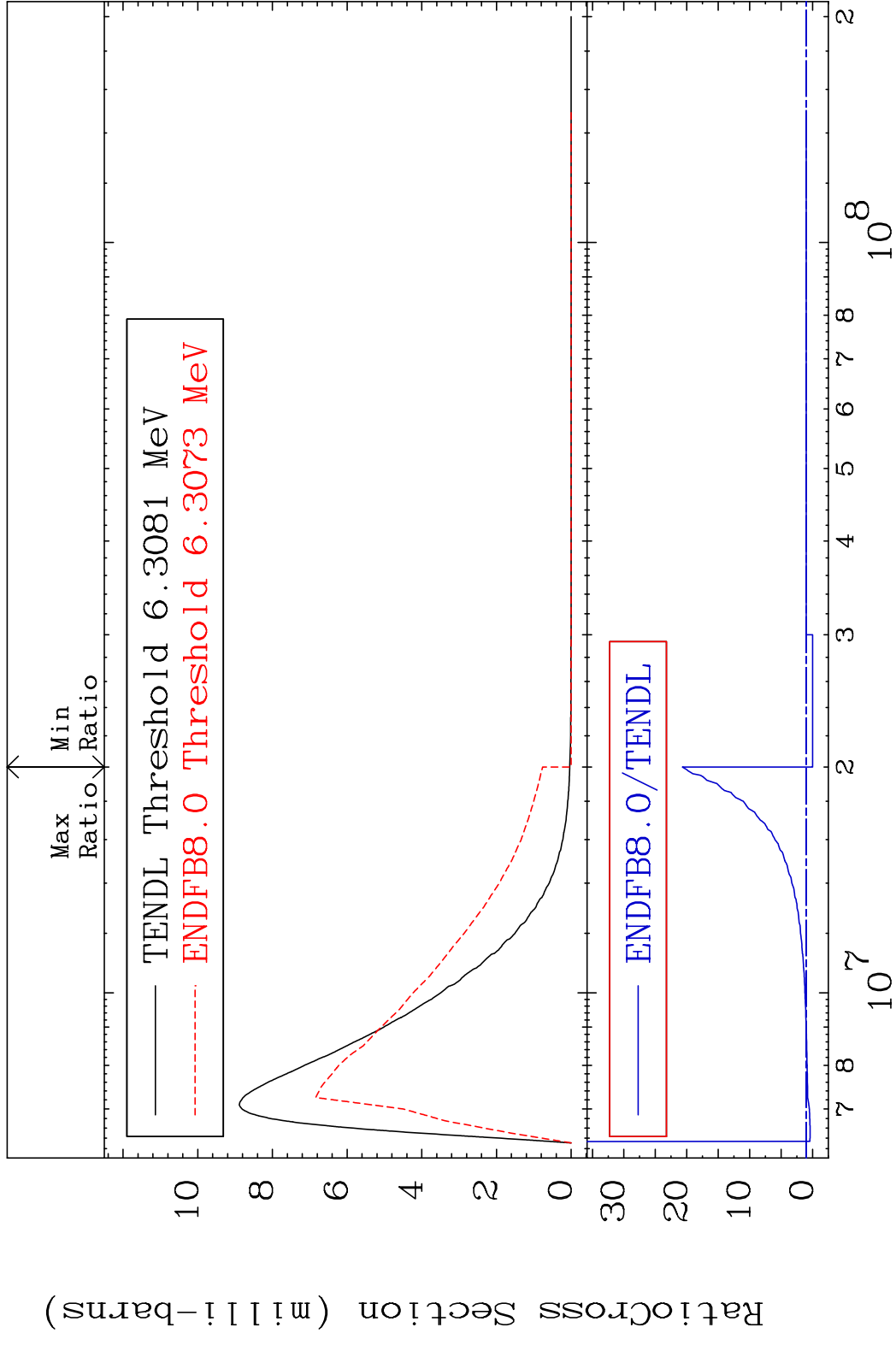
MAT 1325 MT= 73 (n,n') Level 13-Al-27
 Cross Section -100.0 To 248.0 %



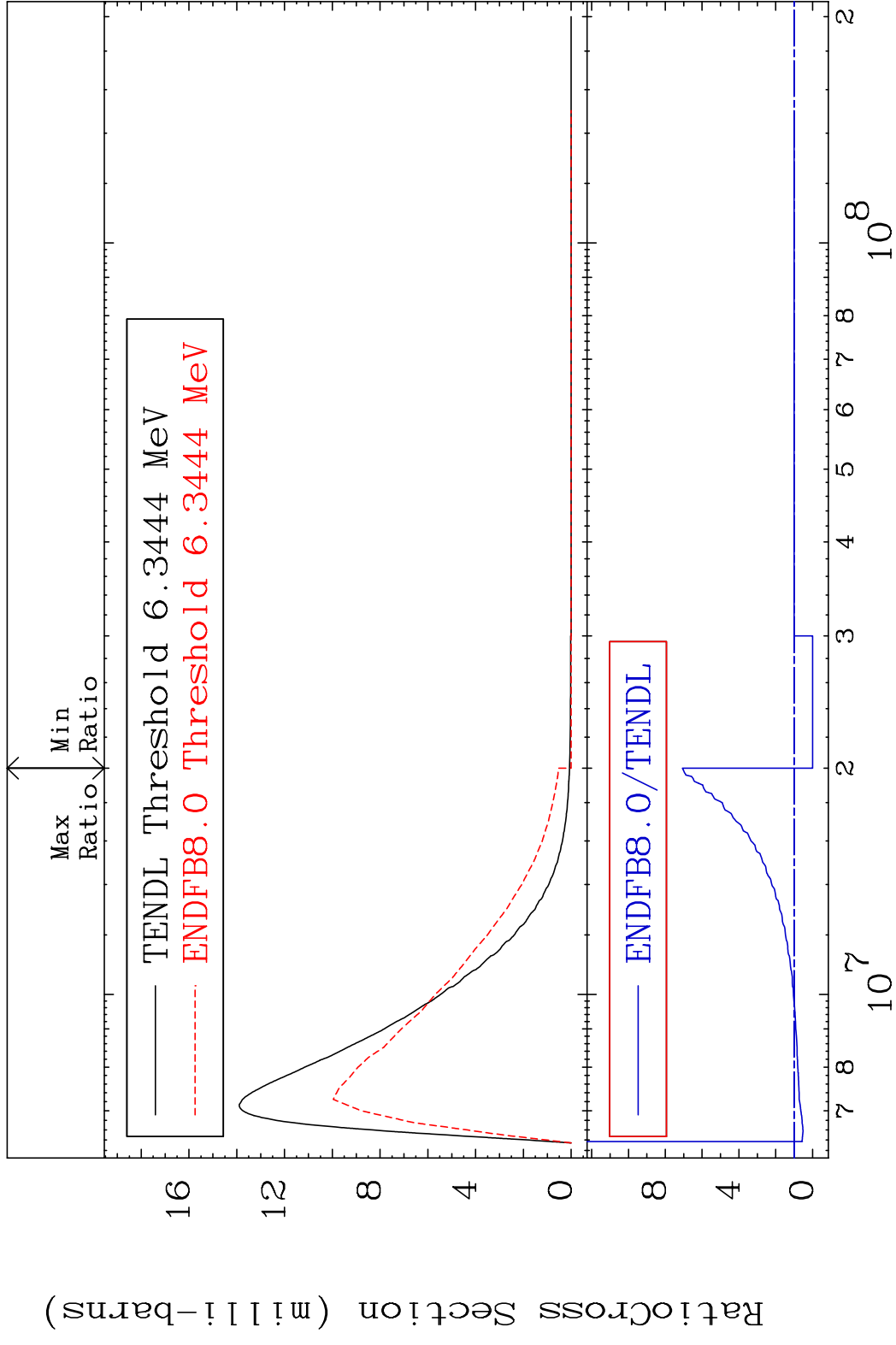
MAT 1325 MT= 74 (n,n') Level 13-Al-27
 Cross Section -100.0 To 1387. %



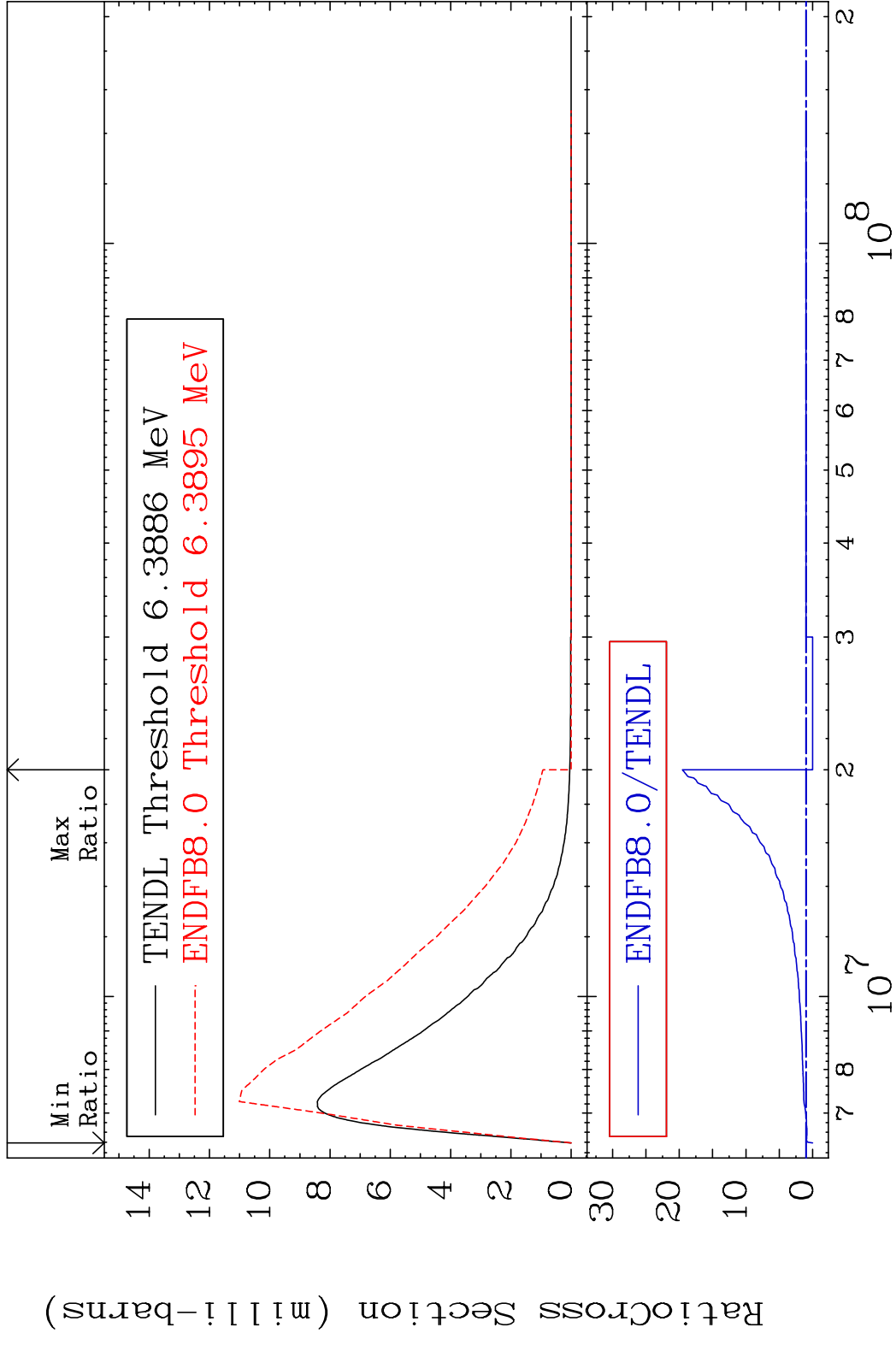
MAT 1325 MT= 75 (n,n') Level 13-A1-27
 Cross Section -100.0 To 1970. %



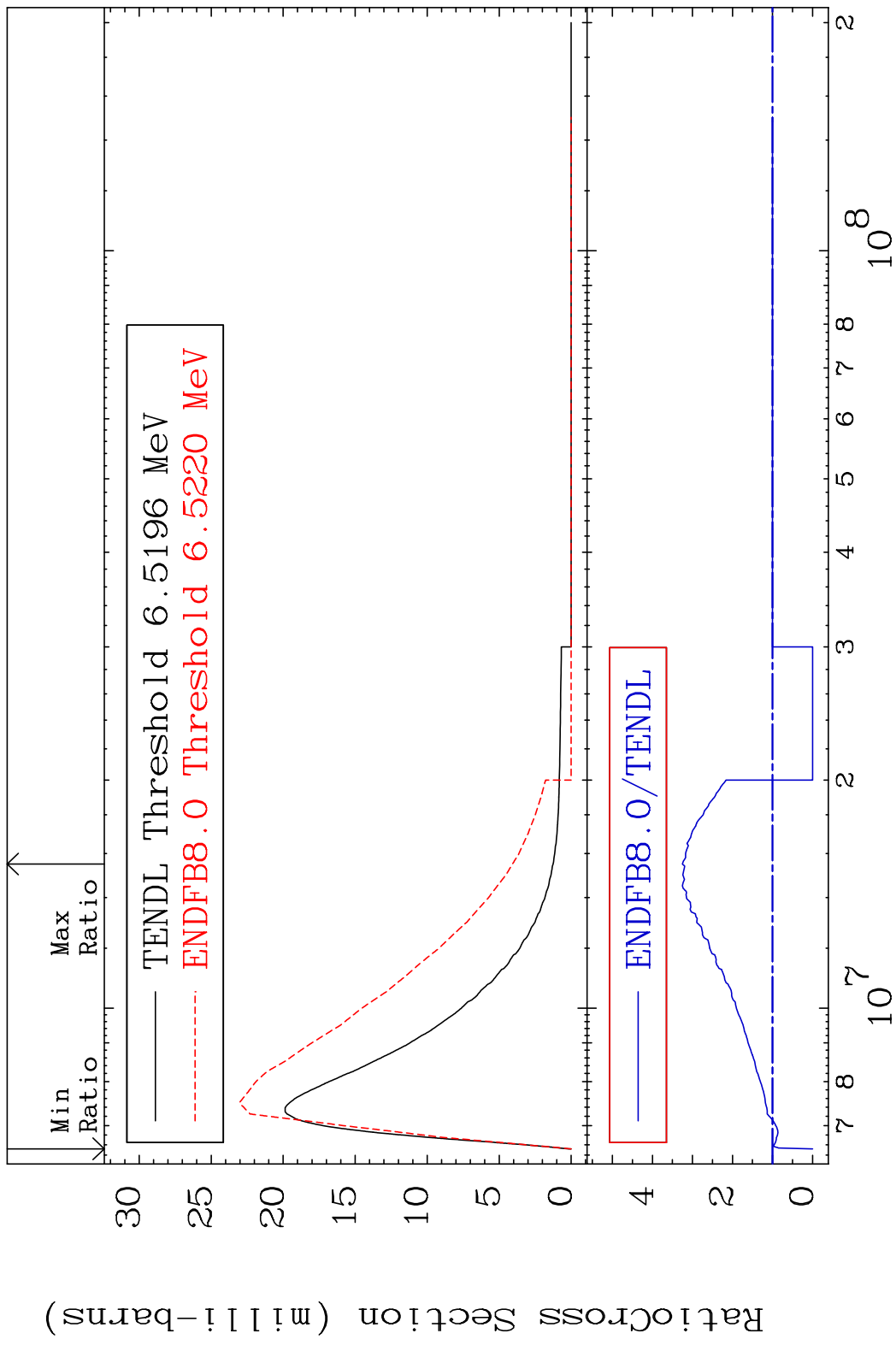
MAT 1325 MT= 76 (n,n') Level 13-Al-27
 Cross Section -100.0 To 607.2 %



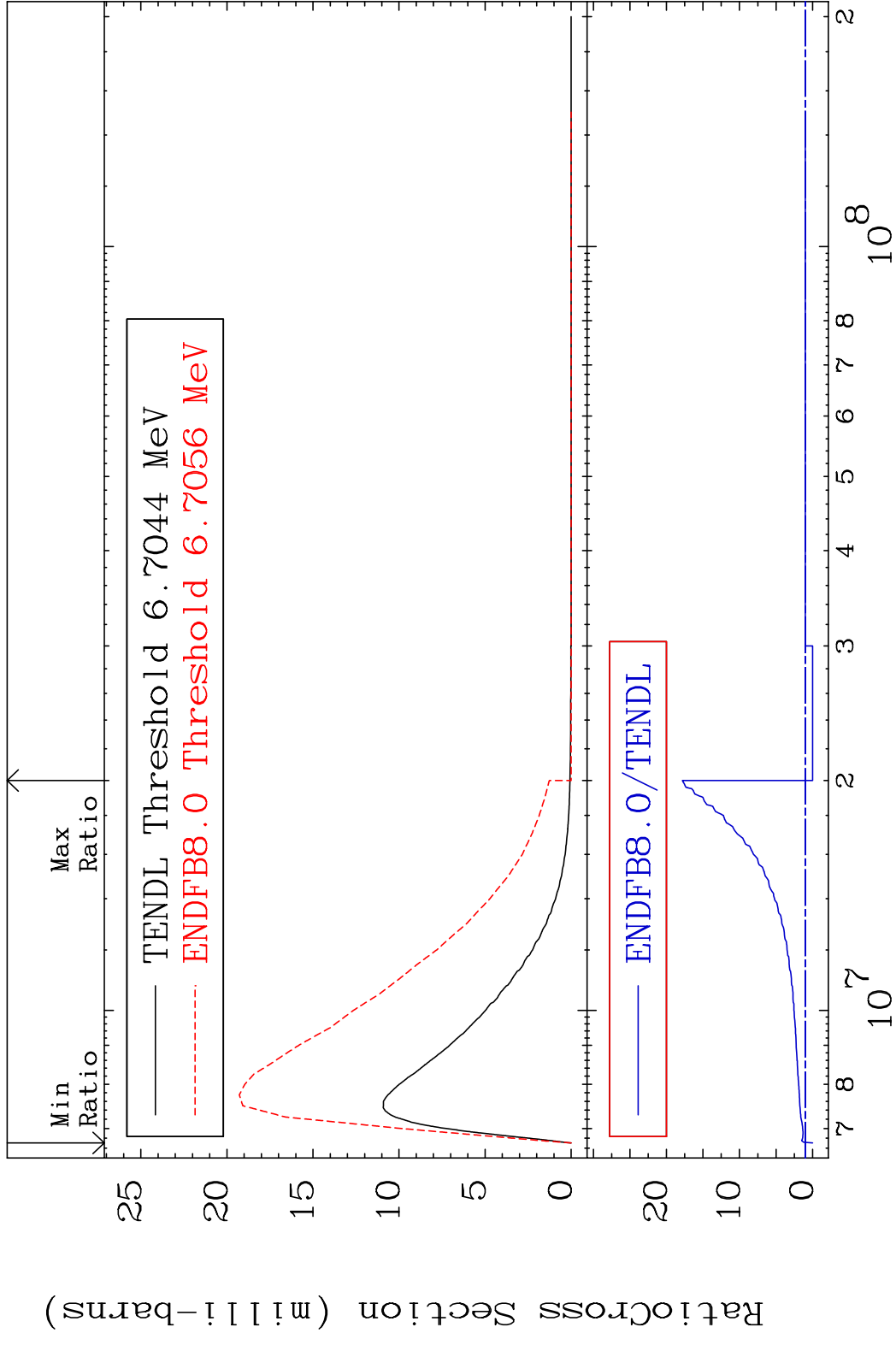
MAT 1325 MT= 77 (n,n') Level 13-Al-27
 Cross Section -100.0 To 1854. %



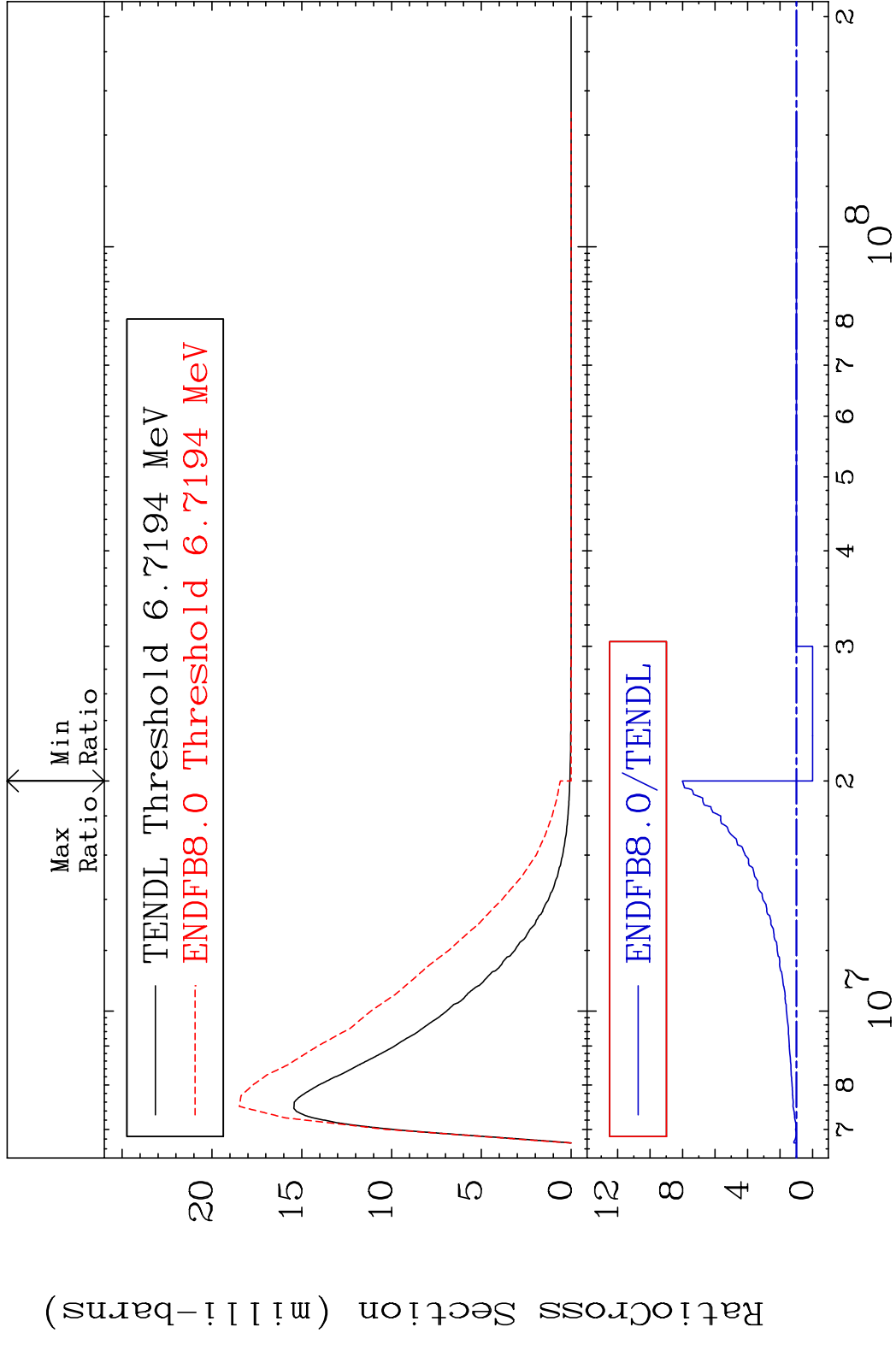
MAT 1325 MT= 78 (n,n') Level 13-Al-27
 Cross Section -100.0 To 225.2 %



MAT 1325 MT= 79 (n,n') Level 13-Al-27
 Cross Section -100.0 To 1682. %

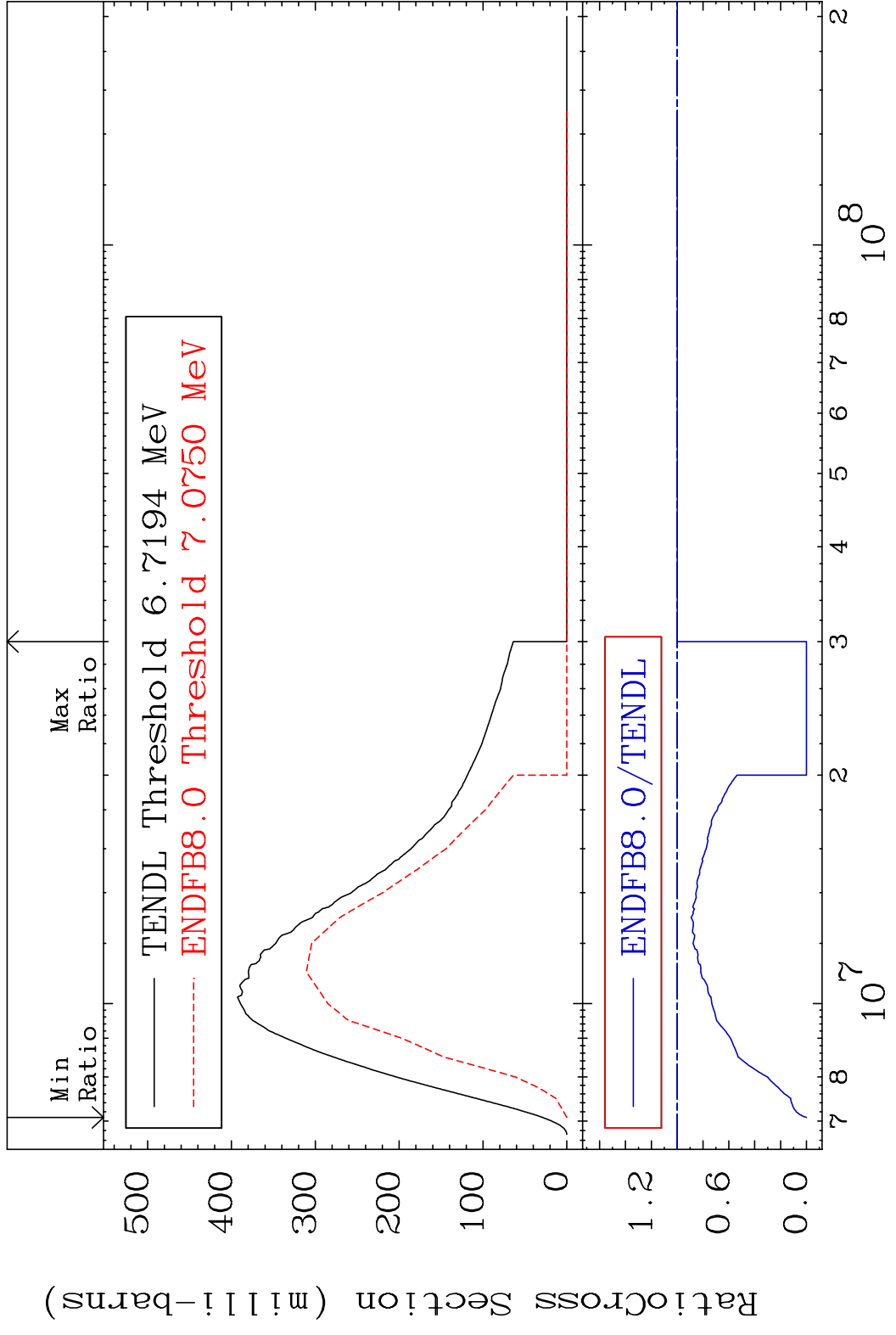


MAT 1325 MT= 80 (n, n') Level 13-Al-27
 Cross Section -100.0 To 701.1 %



40 Incident Energy (eV) 13-Al-27

MAT 1325 (n,n') Continuum 13-Al-27
 Cross Section -100.0 To 0.000 %

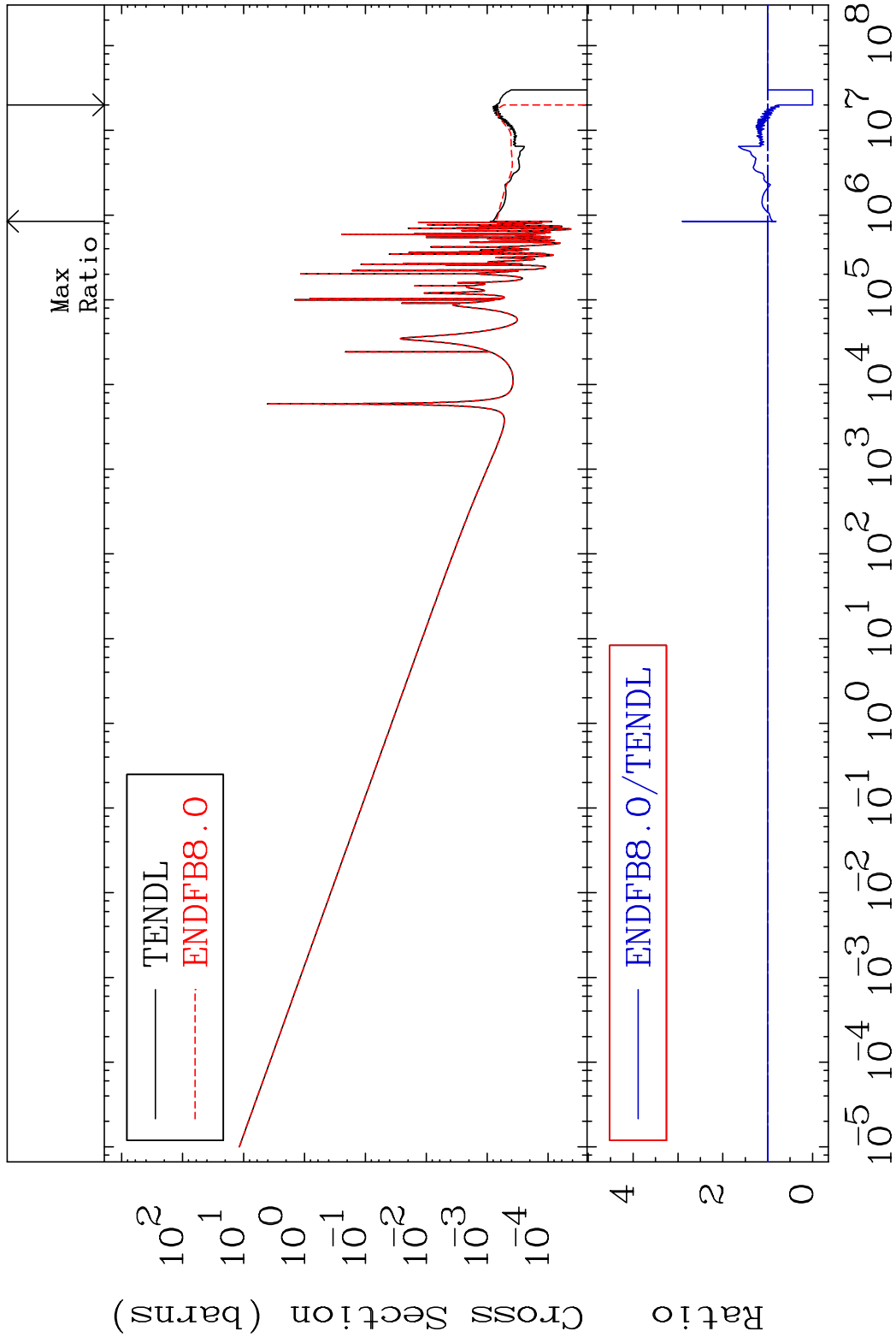


MAT 1325

(n, γ)

13-Al-27

Cross Section -100.0 To 190.2 %

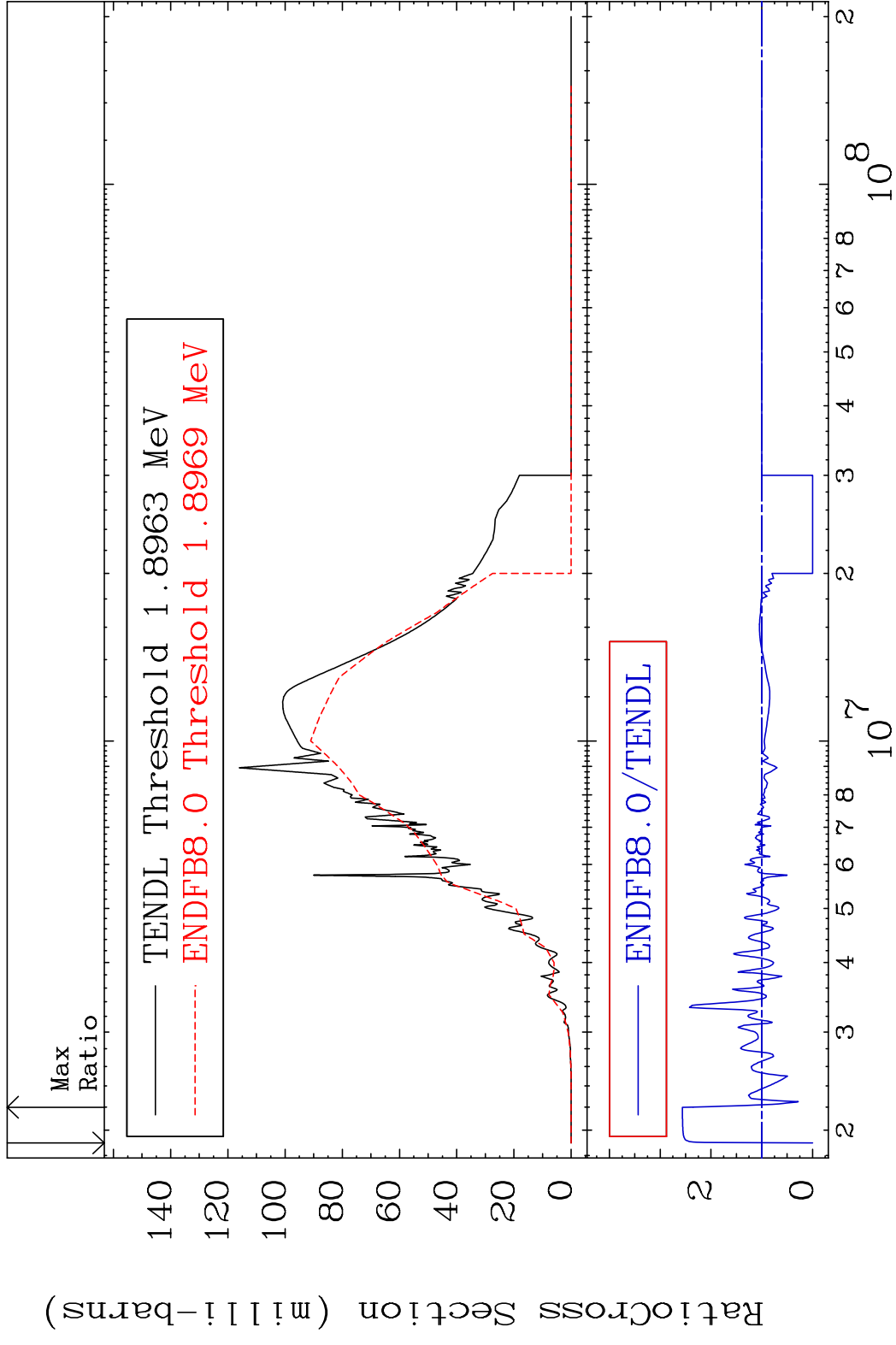


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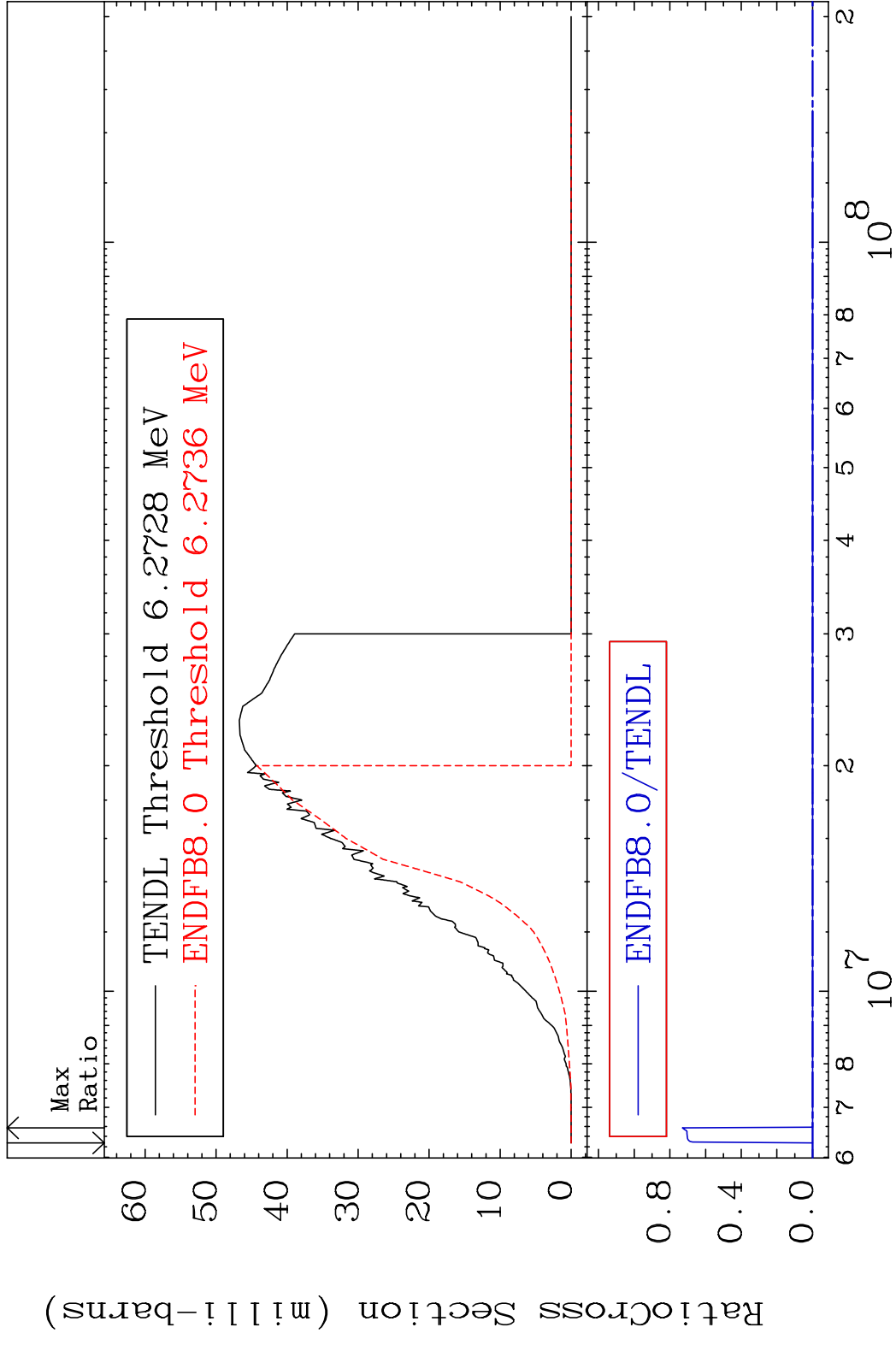
Incident Energy (eV)

13-Al-27

MAT 1325 (n,p) 13-Al-27
 Cross Section -100.0 To 156.4 %



MAT 1325 (n,d) 13-Al-27
 Cross Section -100.0 To 9999. %

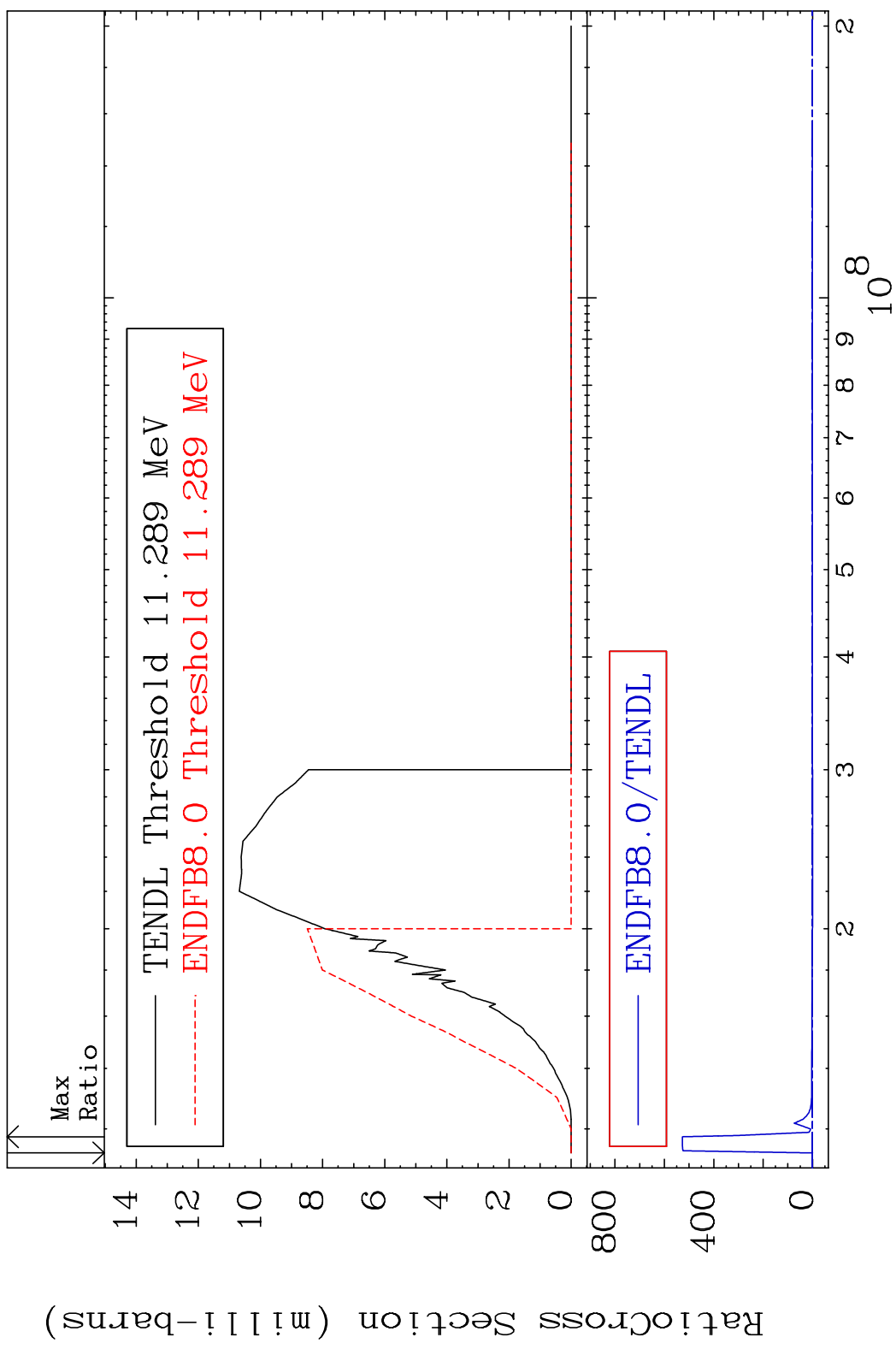


MAT 1325

(n, t)

13-Al-27

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

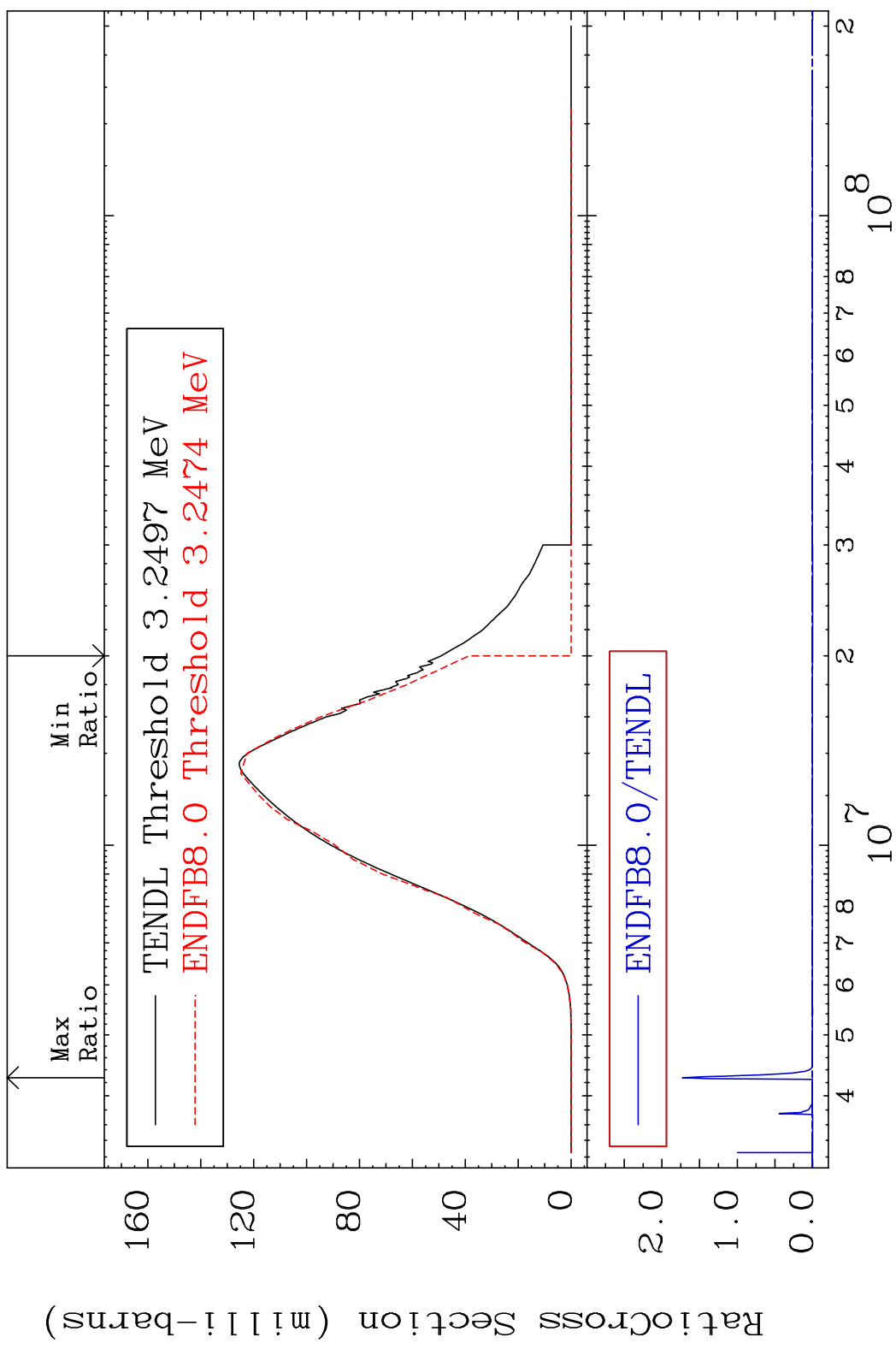
13-Al-27

MAT 1325

(n, α)

13-Al-27

Cross Section -100.0 To 9999. %

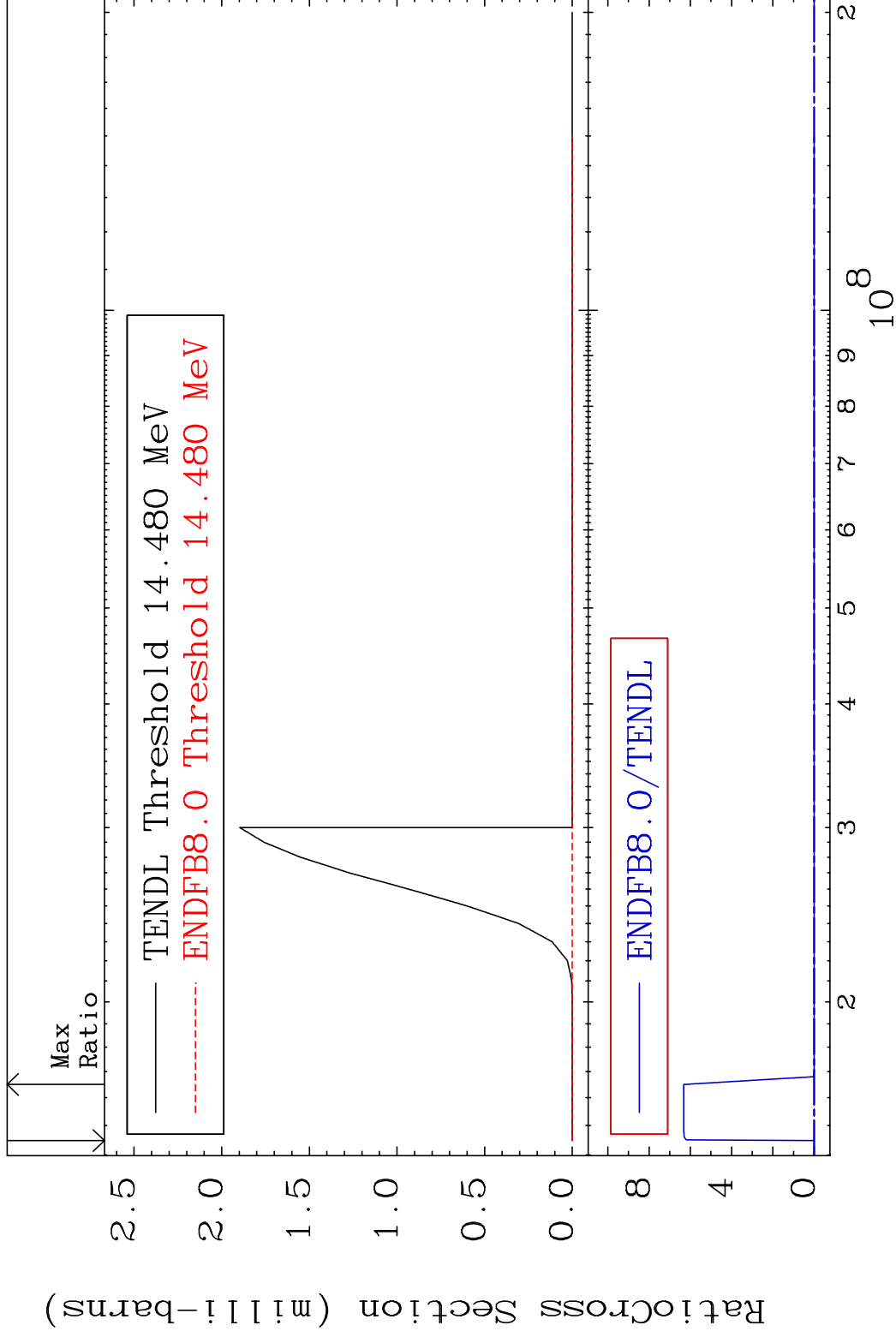


MAT 1325

(n,2α)

13-A1-27

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

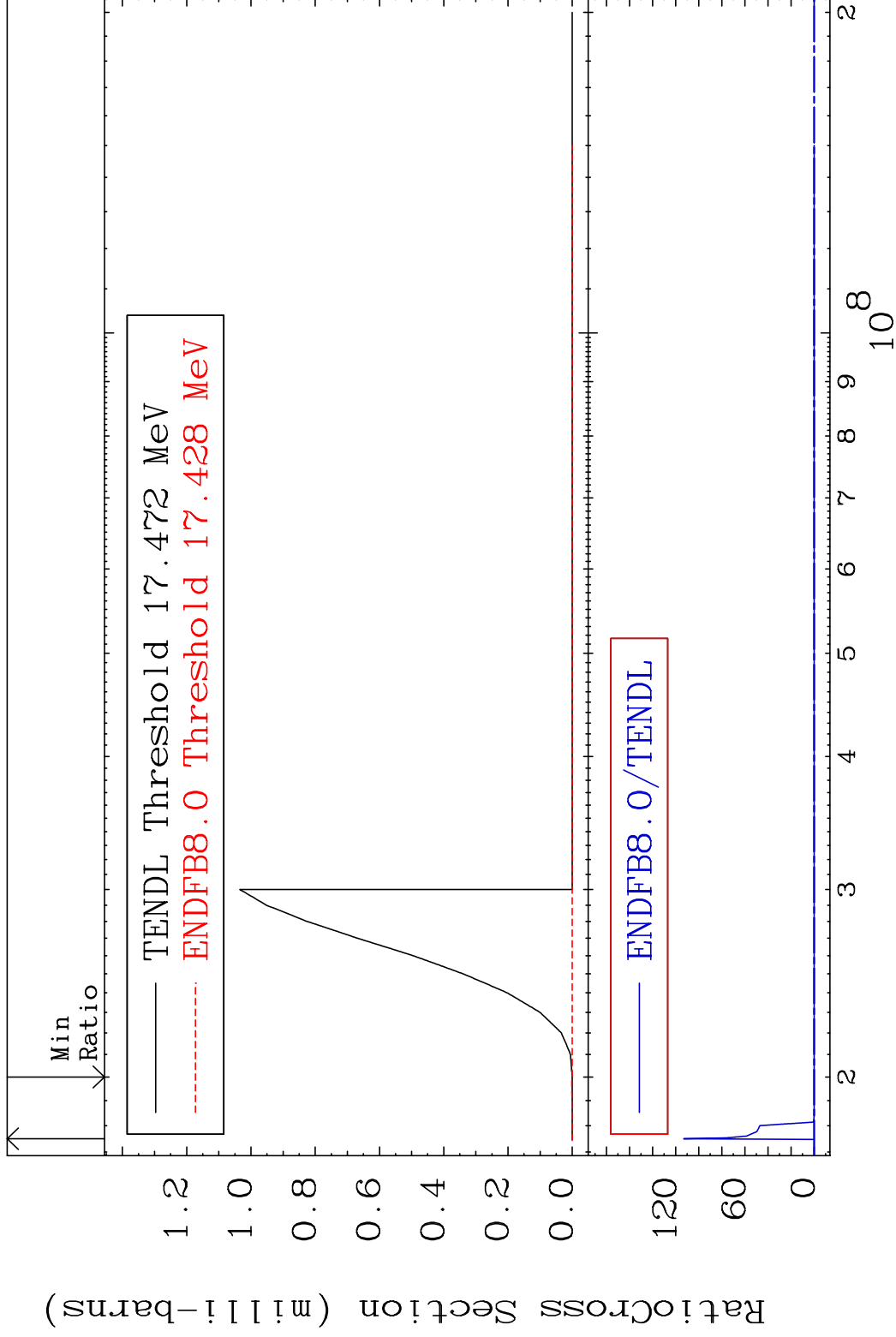
13-A1-27

MAT 1325

(n,2p)

13-A1-27

Cross Section -100.0 To 9999. %

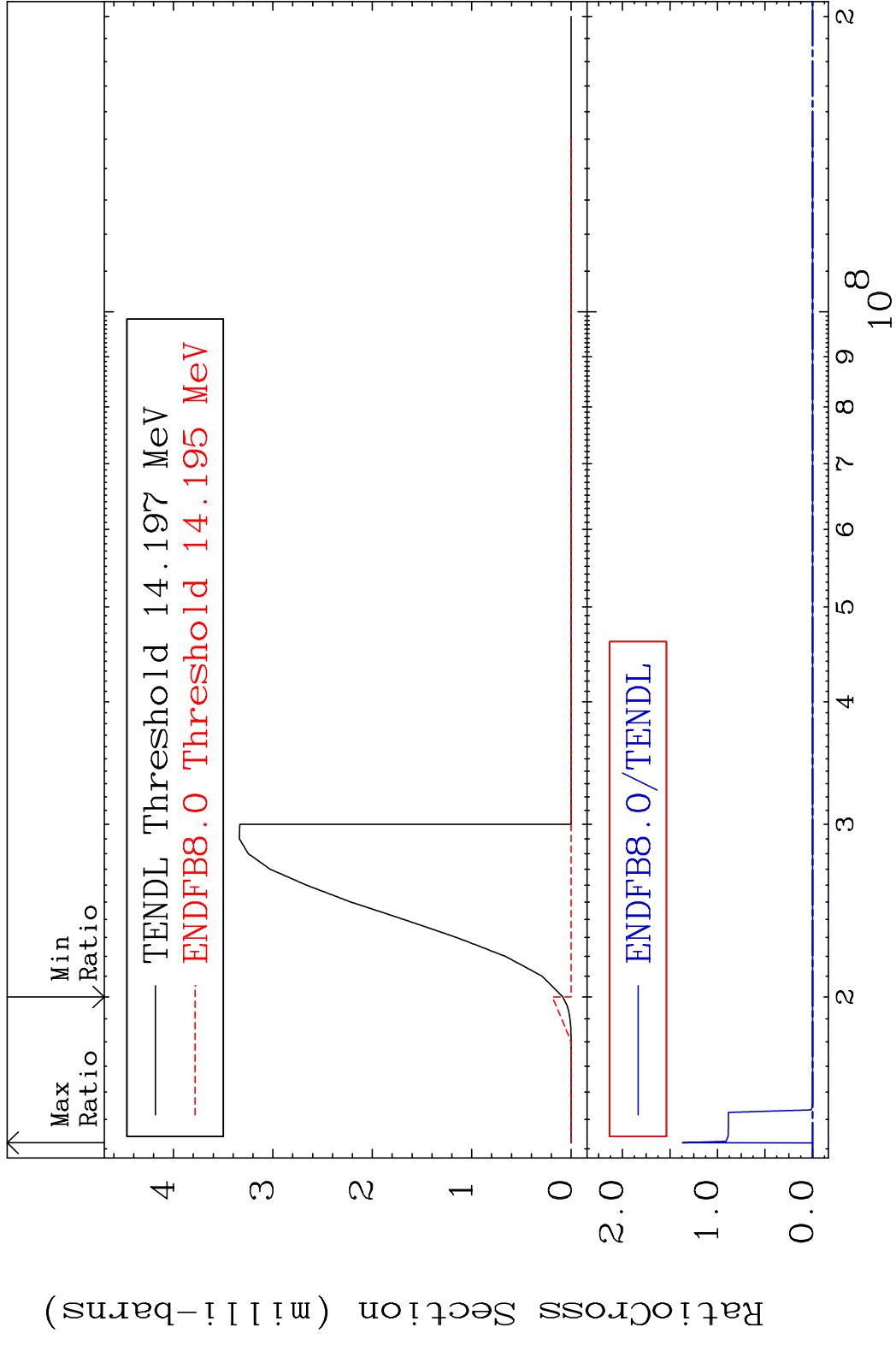


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Incident Energy (eV)

13-A1-27

MAT 1325 (n,p) α 13-Al-27
 Cross Section -100.0 To 9999. %

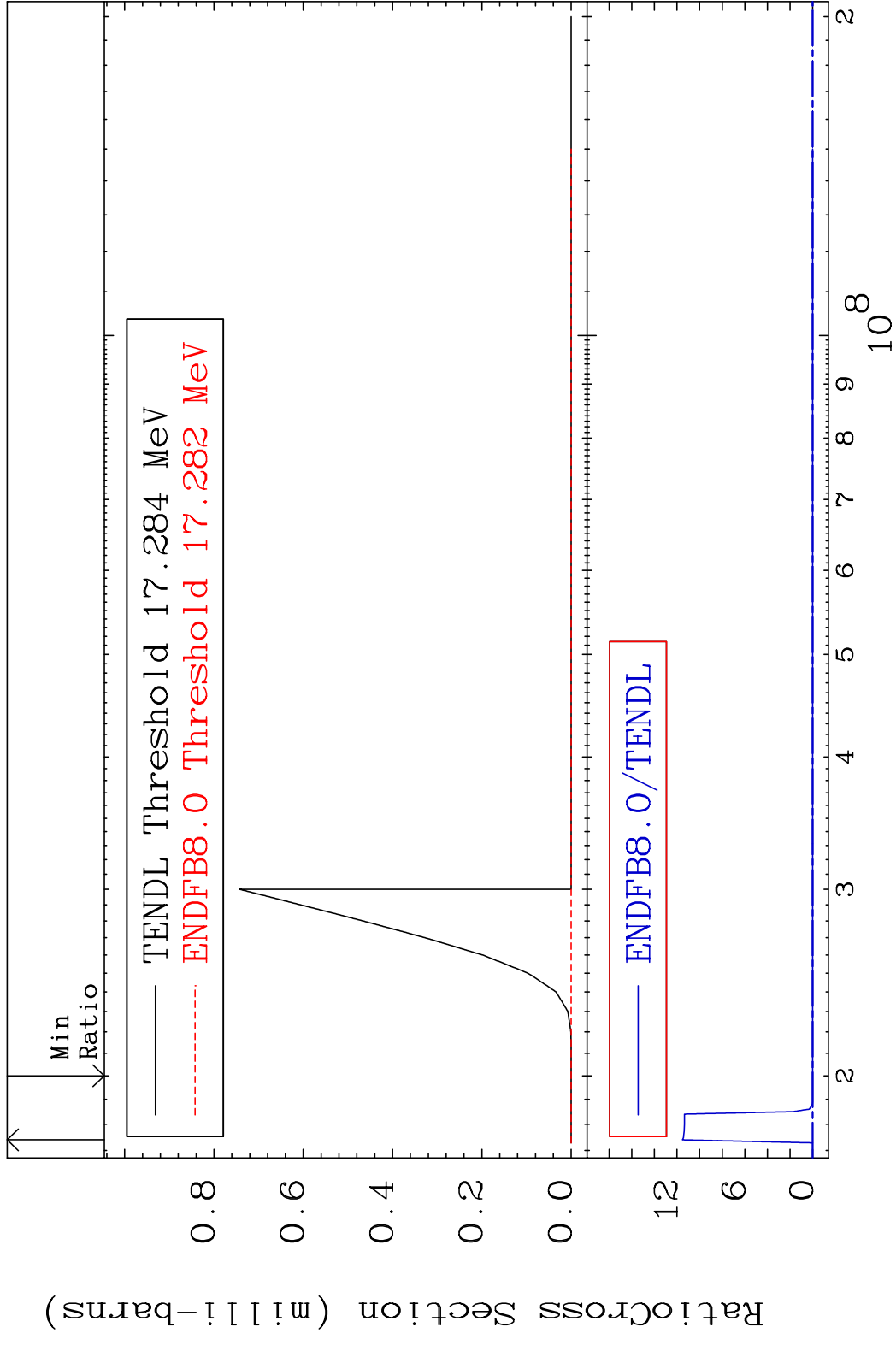


MAT 1325

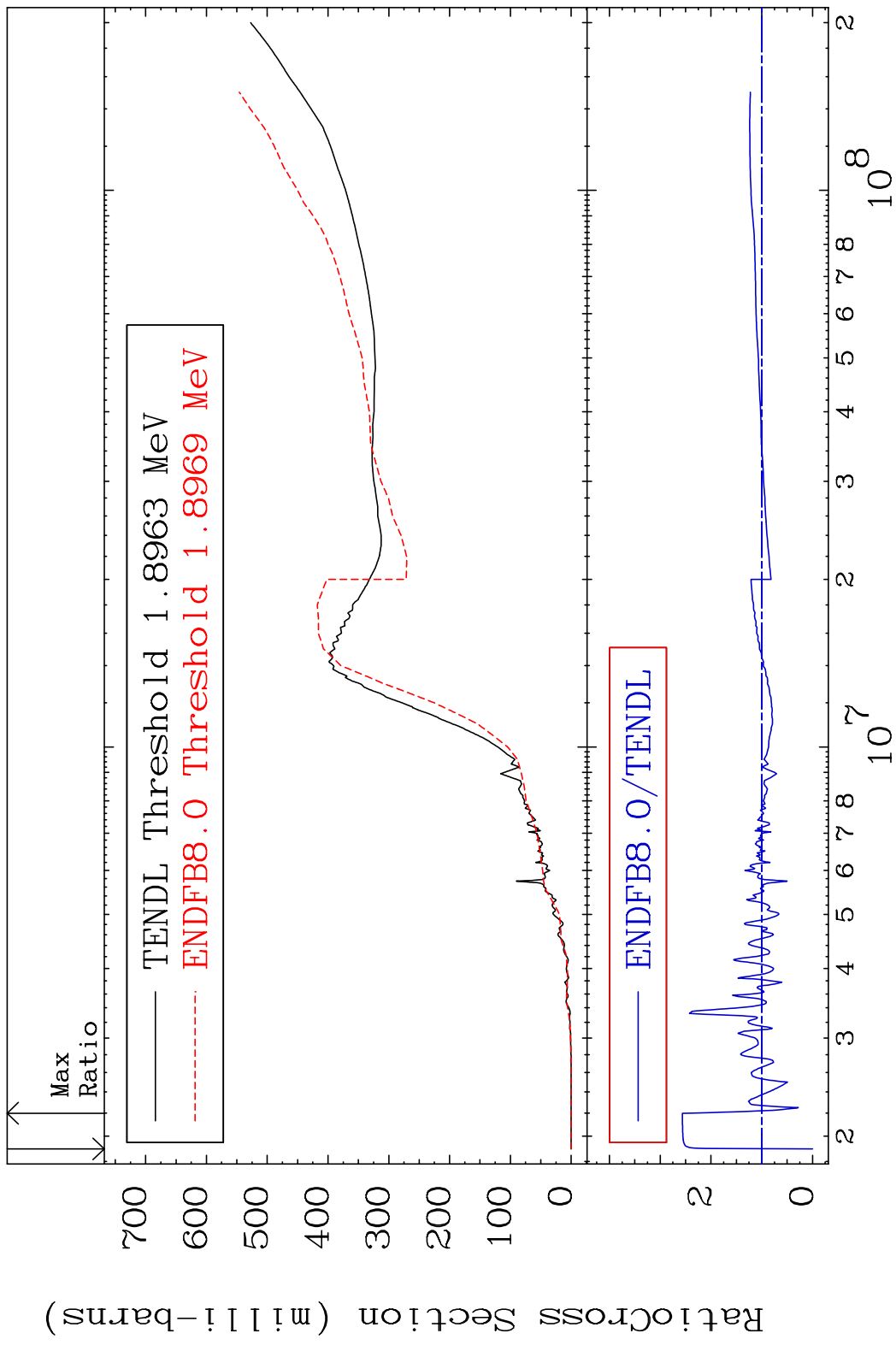
(n,d) α

13-Al-27

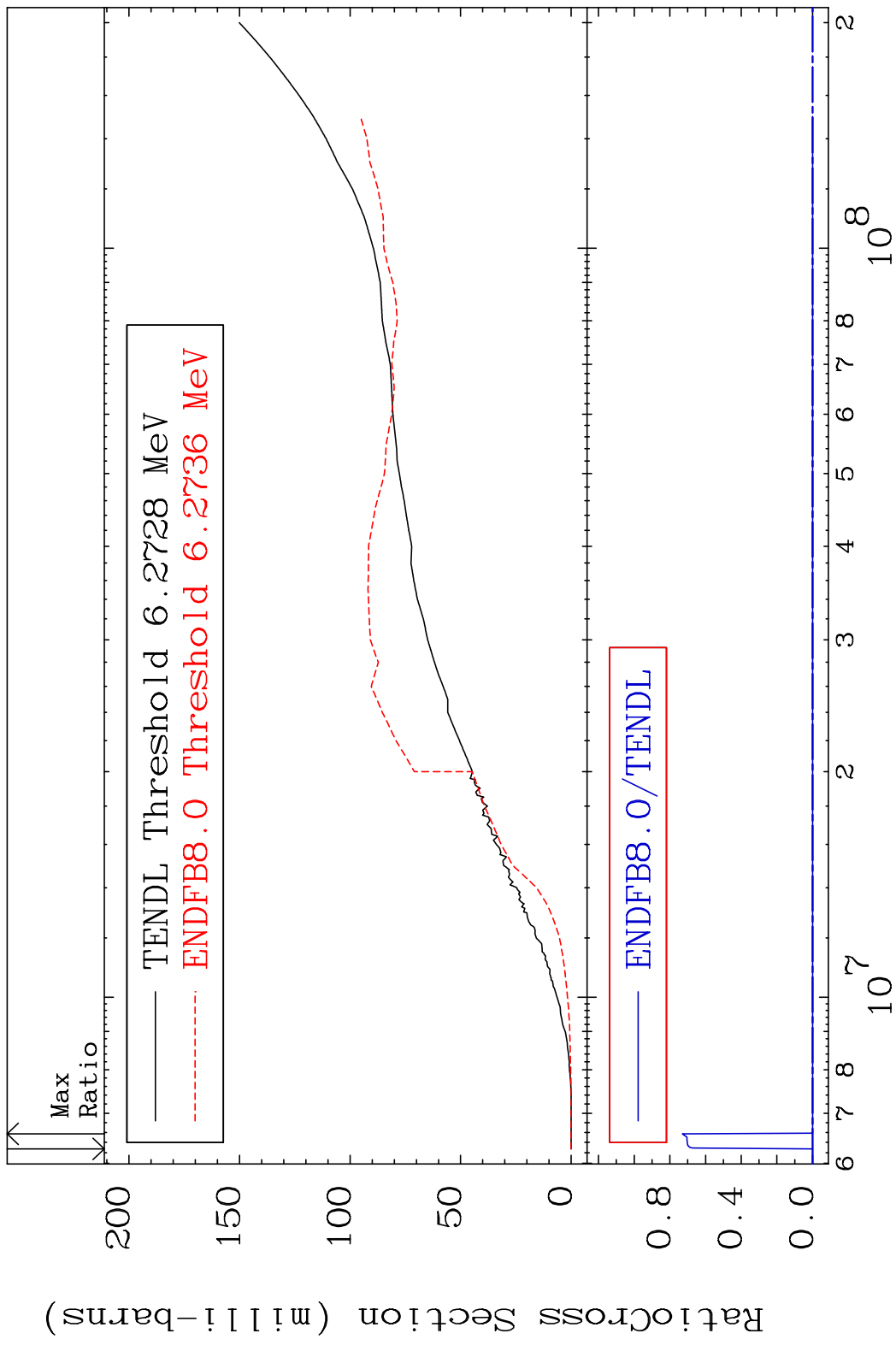
Cross Section -100.0 To 9999. %



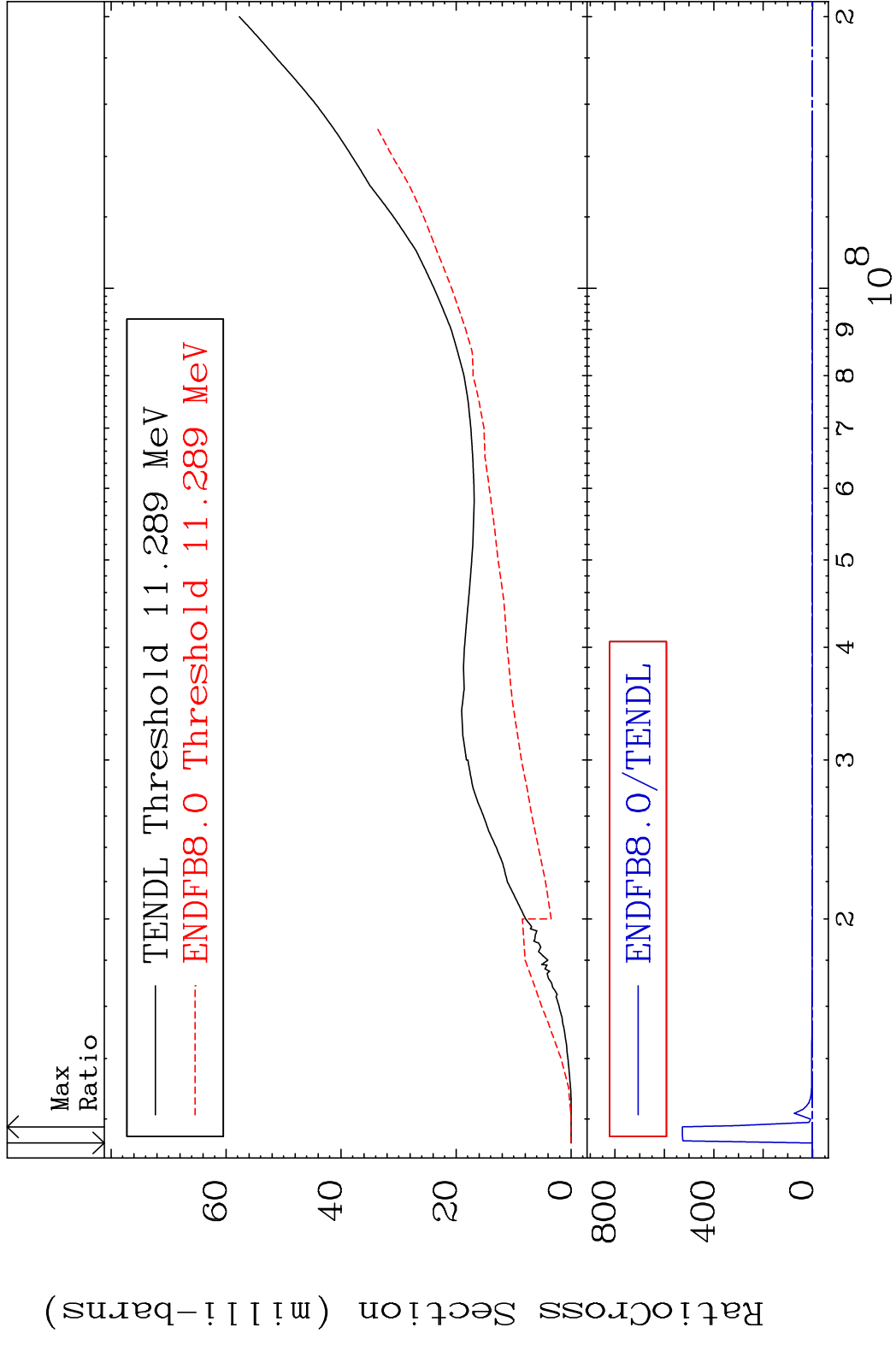
MAT 1325 Hydrogen Production 13-Al-27
 Cross Section -100.0 To 156.4 %



MAT 1325 Deuterium Production 13-A1-27
 Cross Section -100.0 To 9999. %



MAT 1325 Tritium Production 13-A1-27
 Cross Section -100.0 To 9999. %

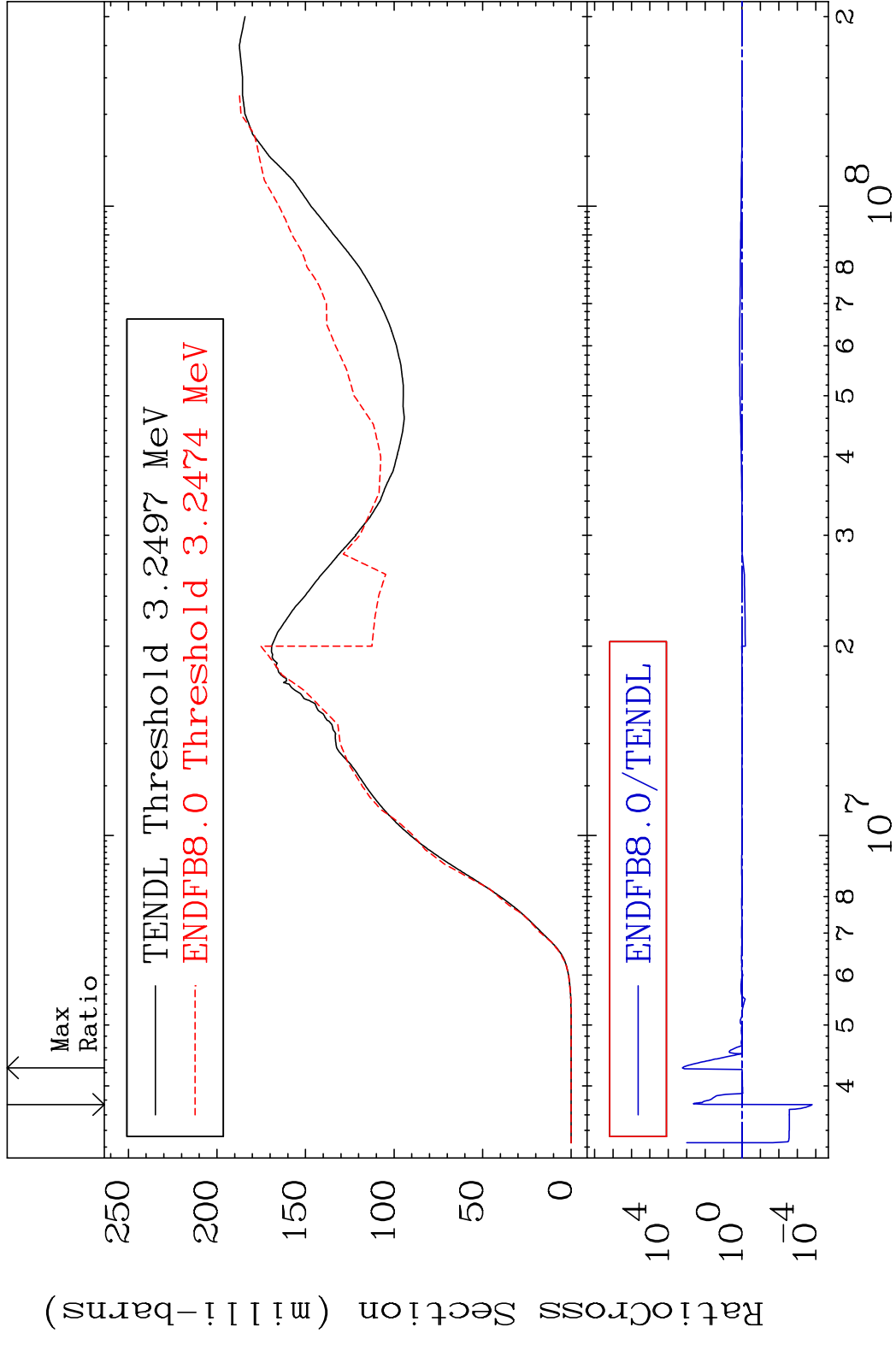


MAT 1325

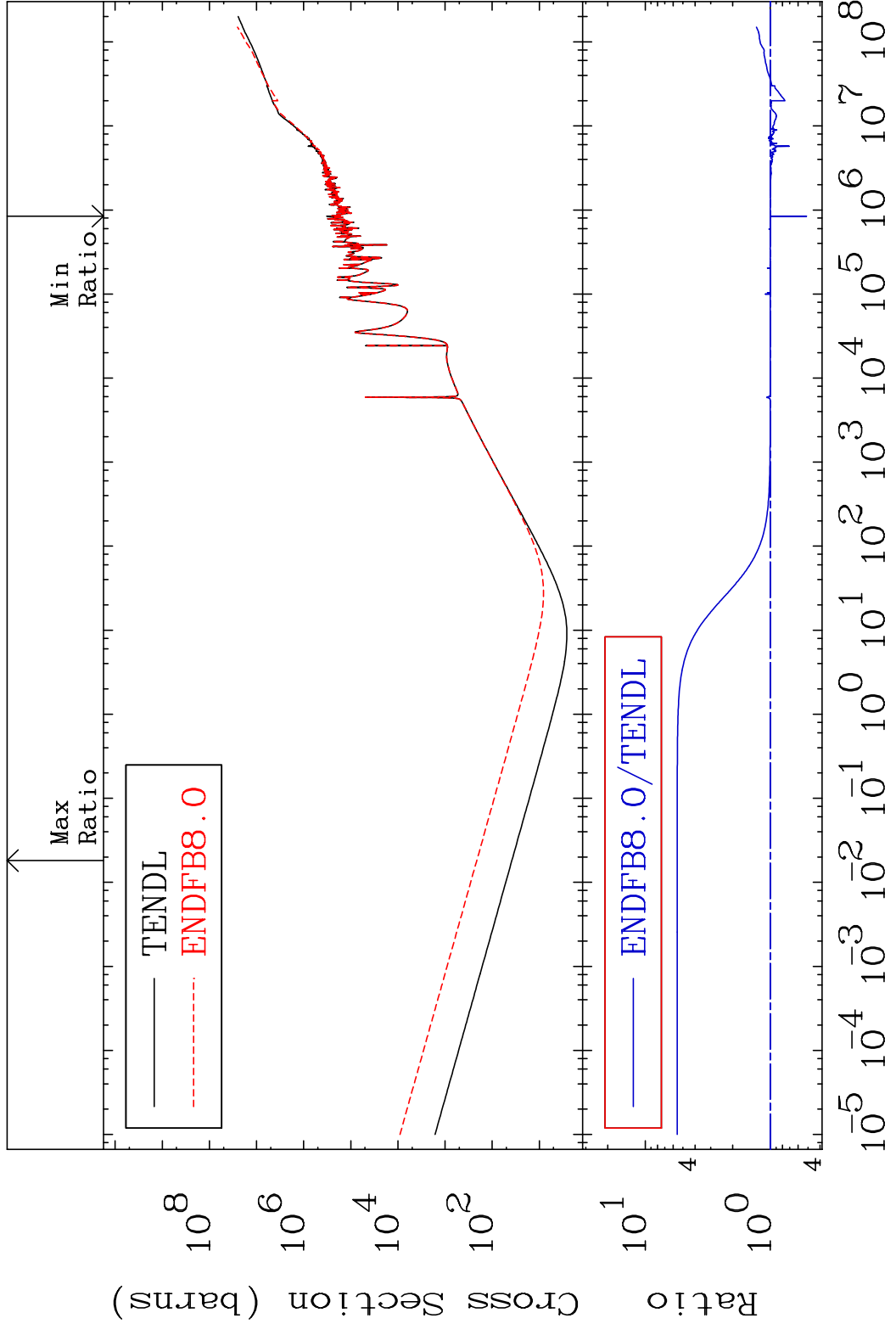
He-4 Production

13-A1-27

Cross Section -99.99 To 9999. %



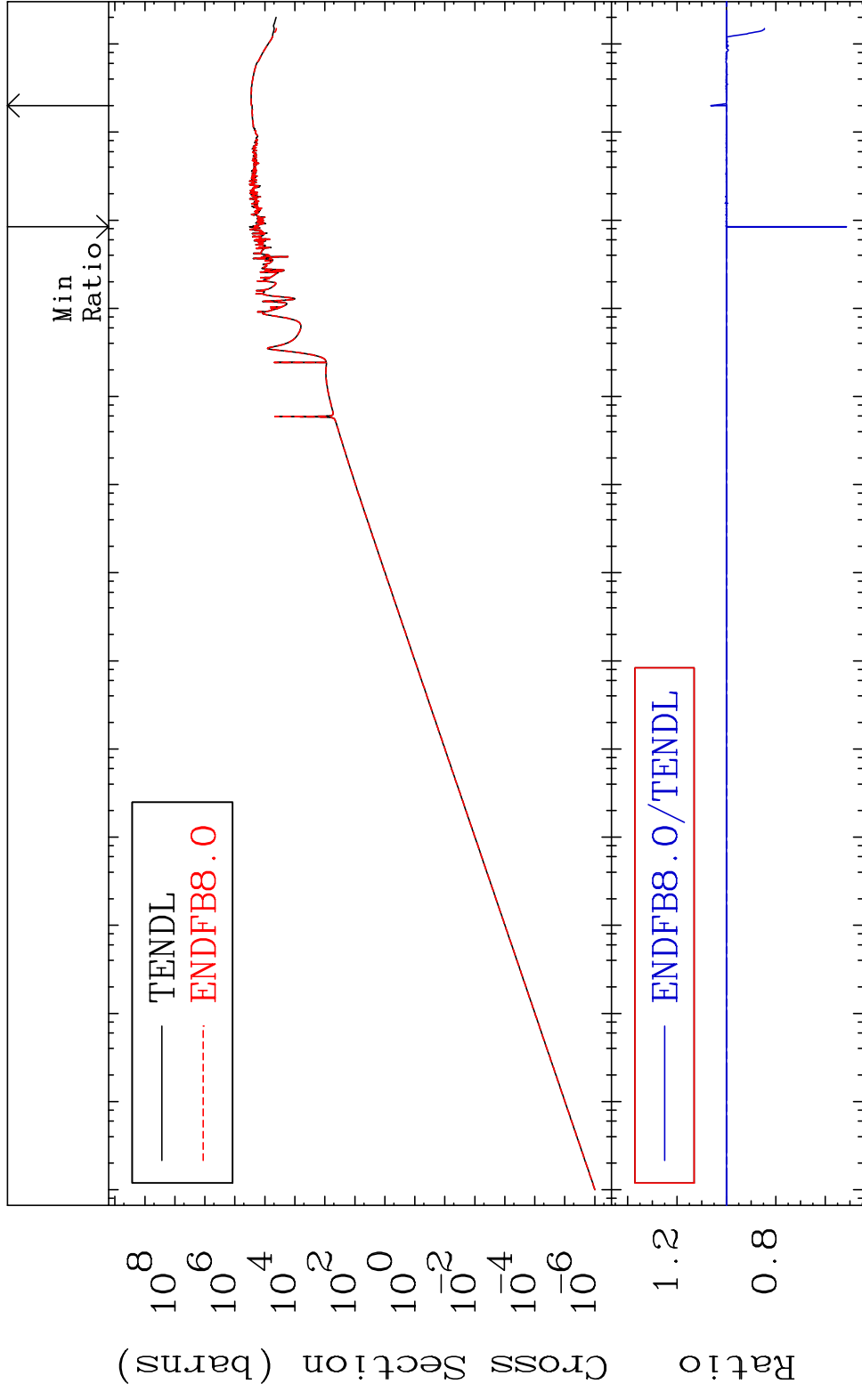
MAT 1325 Kerma total (eV-barns) 13-Al-27
 Cross Section -48.55 To 456.1 %



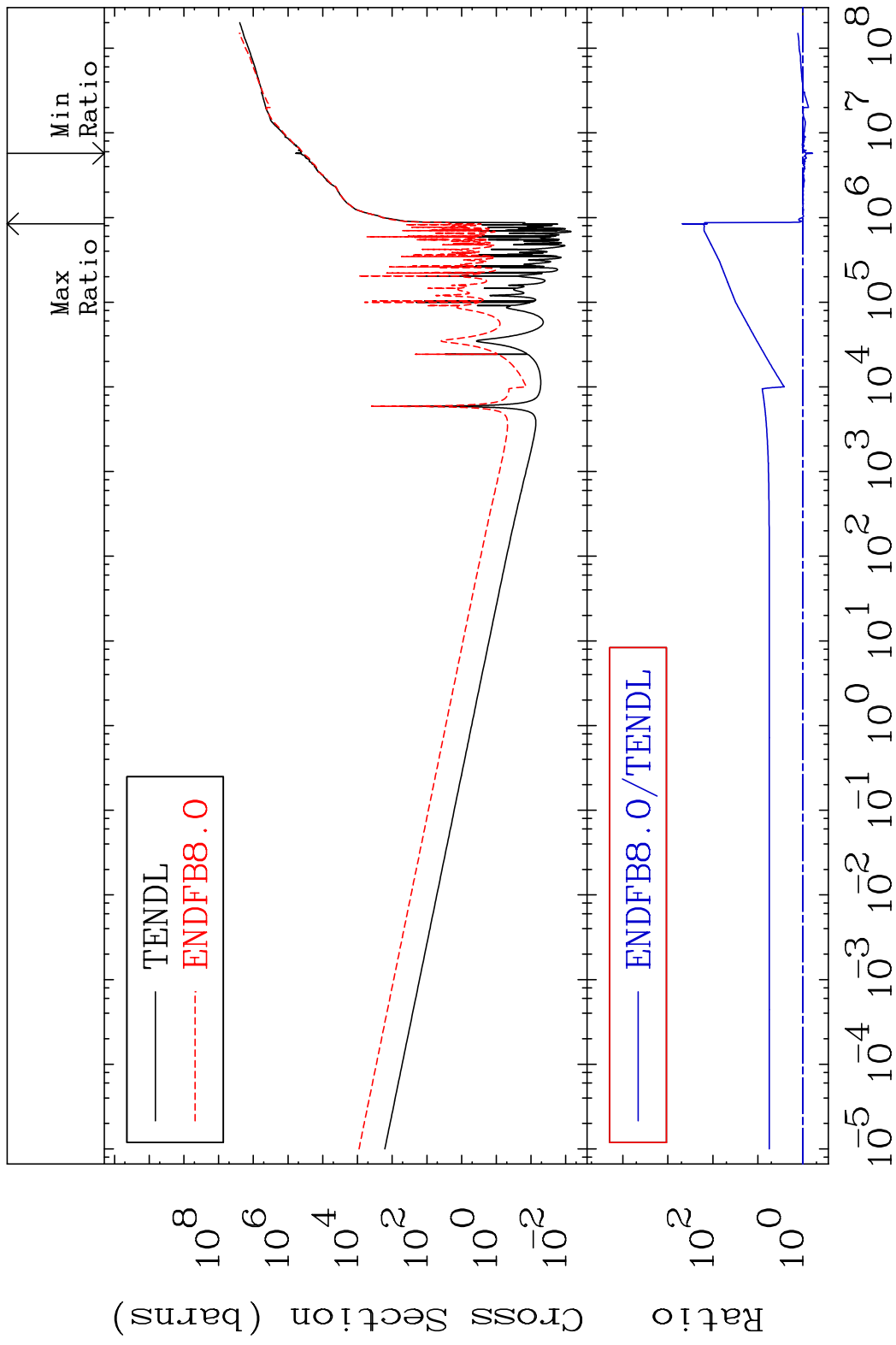
MAT 1325

Kerma elastic
Cross Section -48.55 To 6.381 %

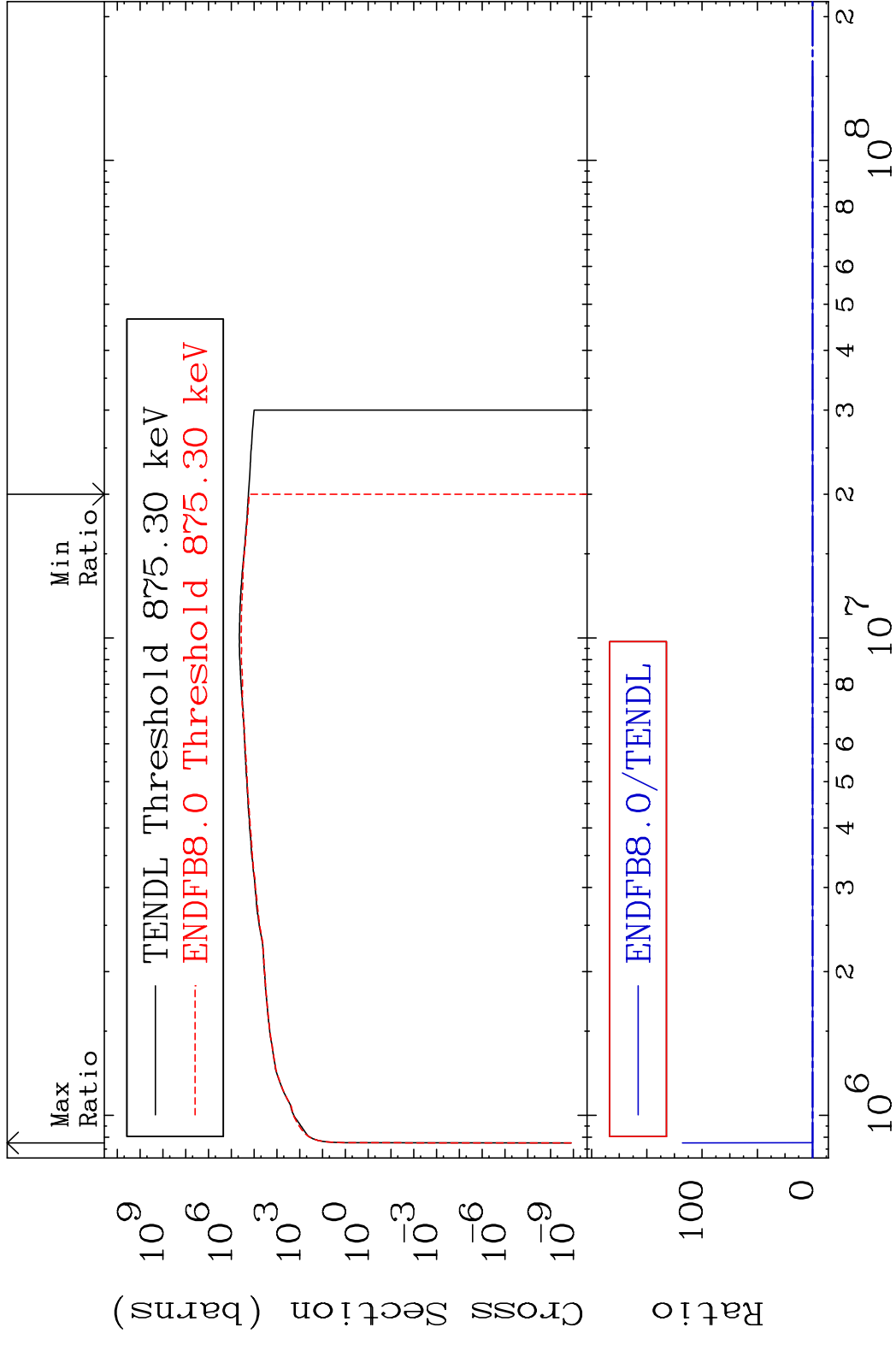
13-A1-27



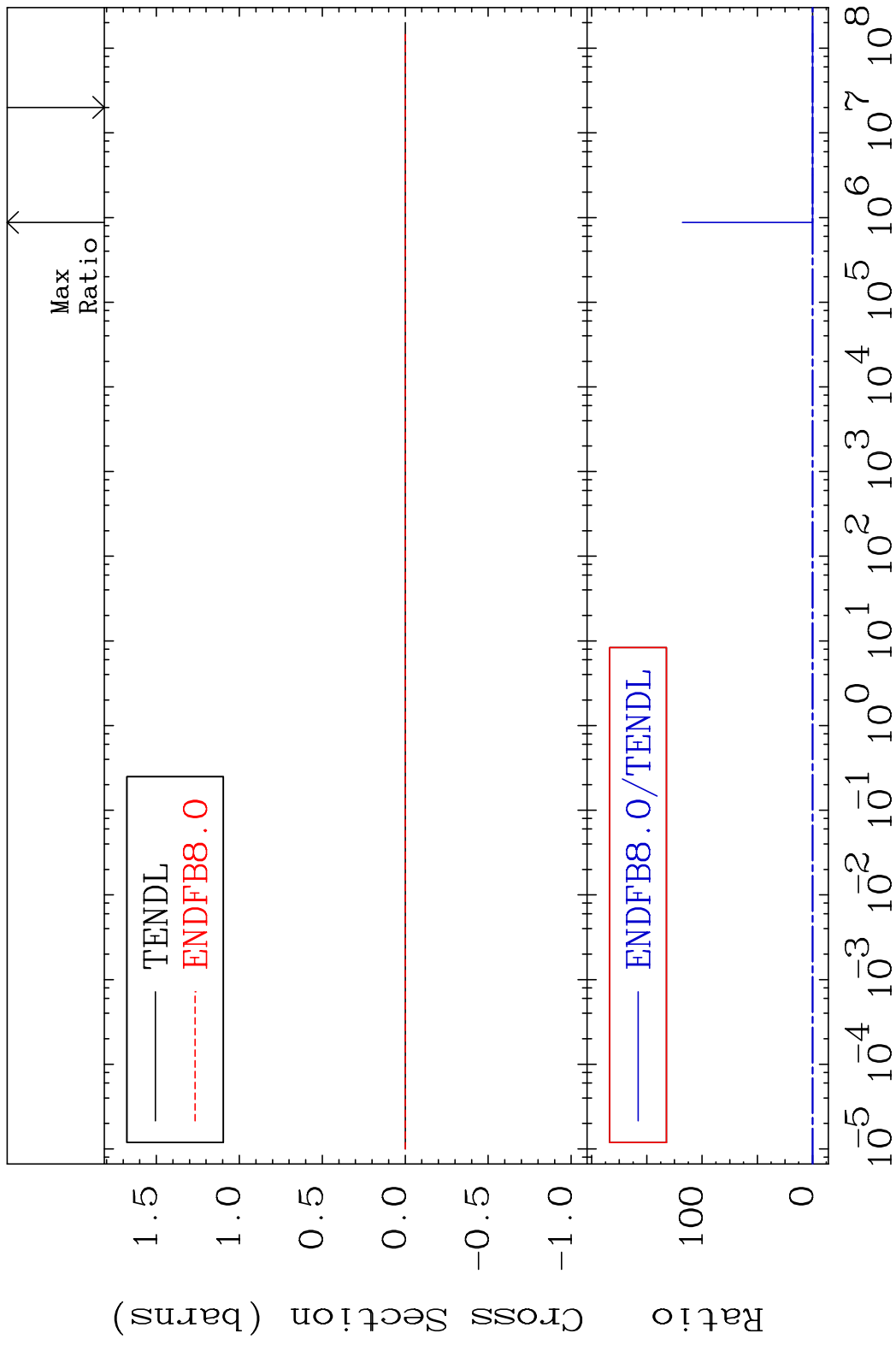
MAT 1325 Kerma non-elastic (all but mt2) 13-Al-27
 Cross Section -39.04 To 9999. %



MAT 1325 Kerma inelastic (mt51-91) 13-Al-27
 Cross Section -100.0 To 9999. %

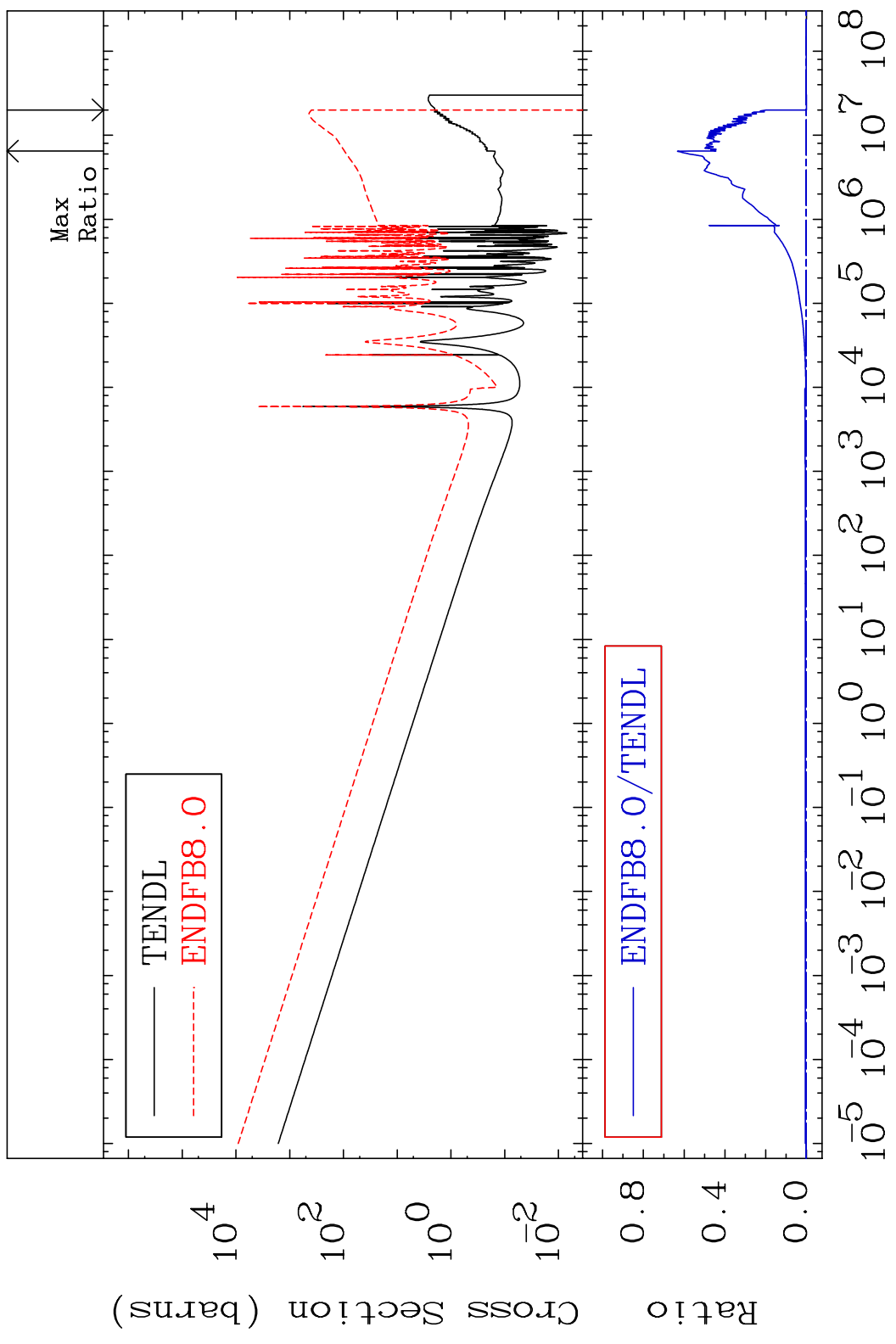


MAT 1325 Kerma fission (mt18 or mt19-20-21-38) 13-A1-27
 Cross Section -100.0 To 9999. %



MAT 1325

Kerma capture (mt102) 13-Al-27
Cross Section -100.0 To 9999. %



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Incident Energy (eV)

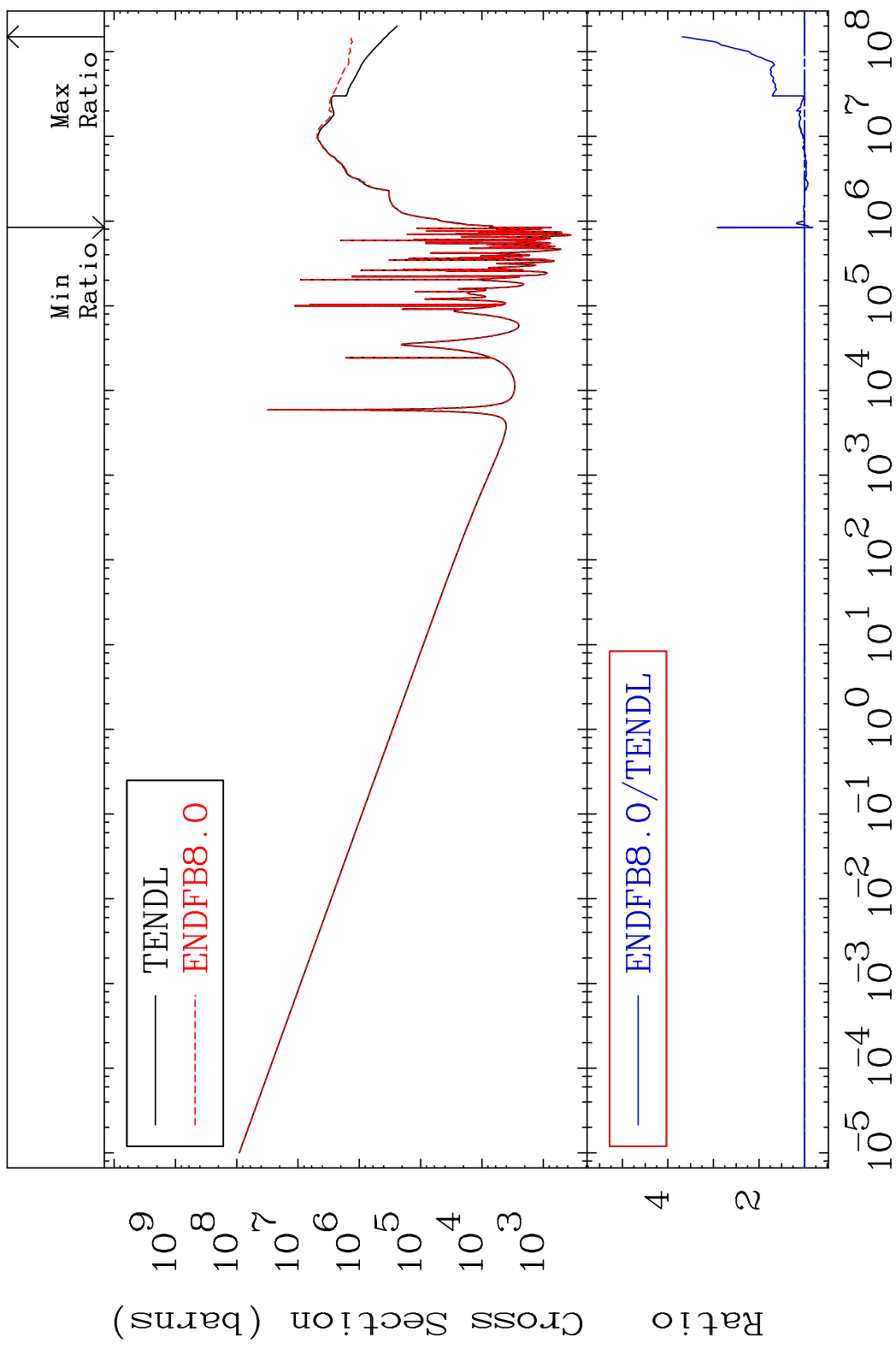
13-Al-27

MAT 1325

Total photon (eV-barns)

13-A1-27

Cross Section -17.88 To 268.2 %

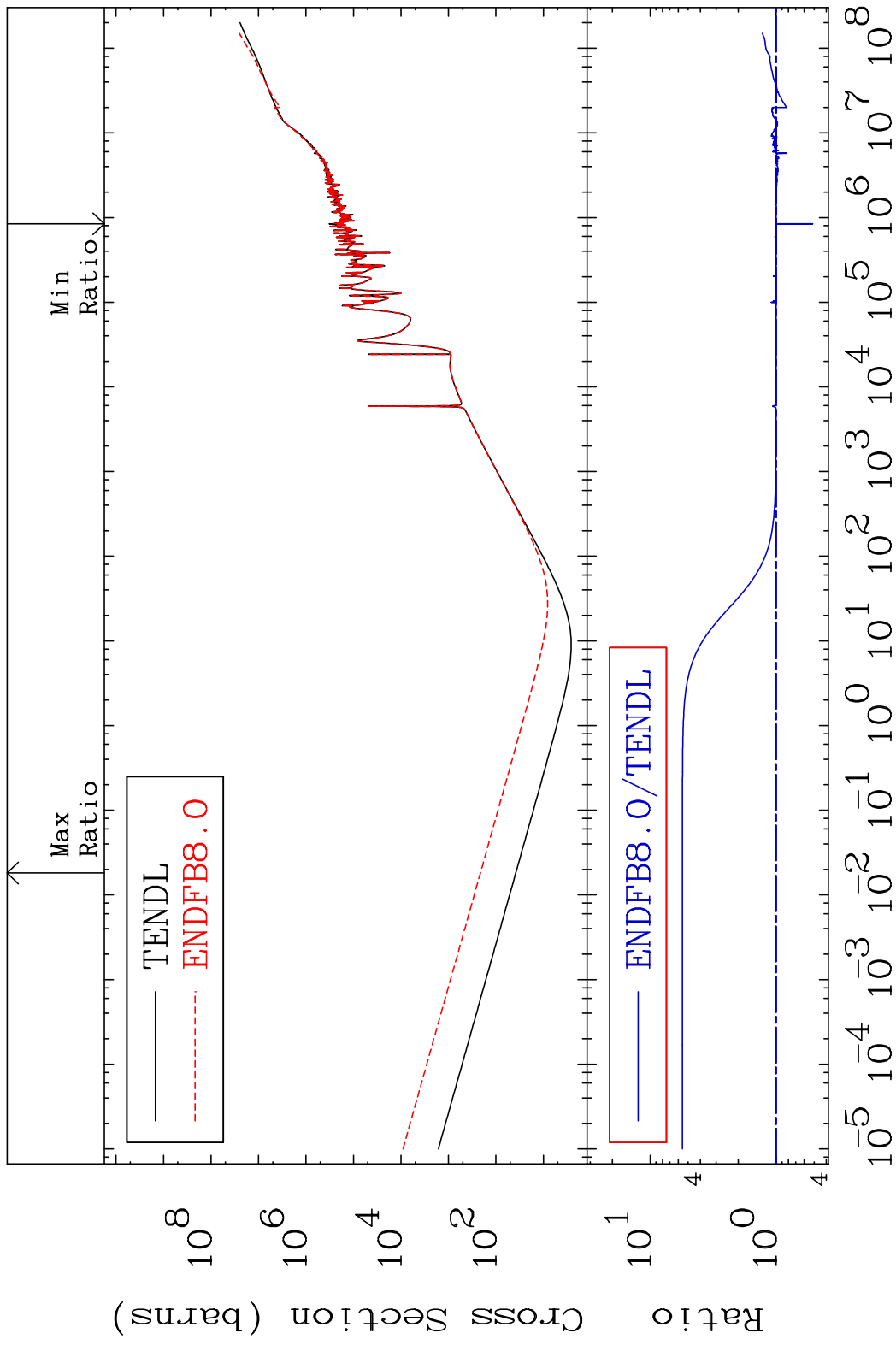


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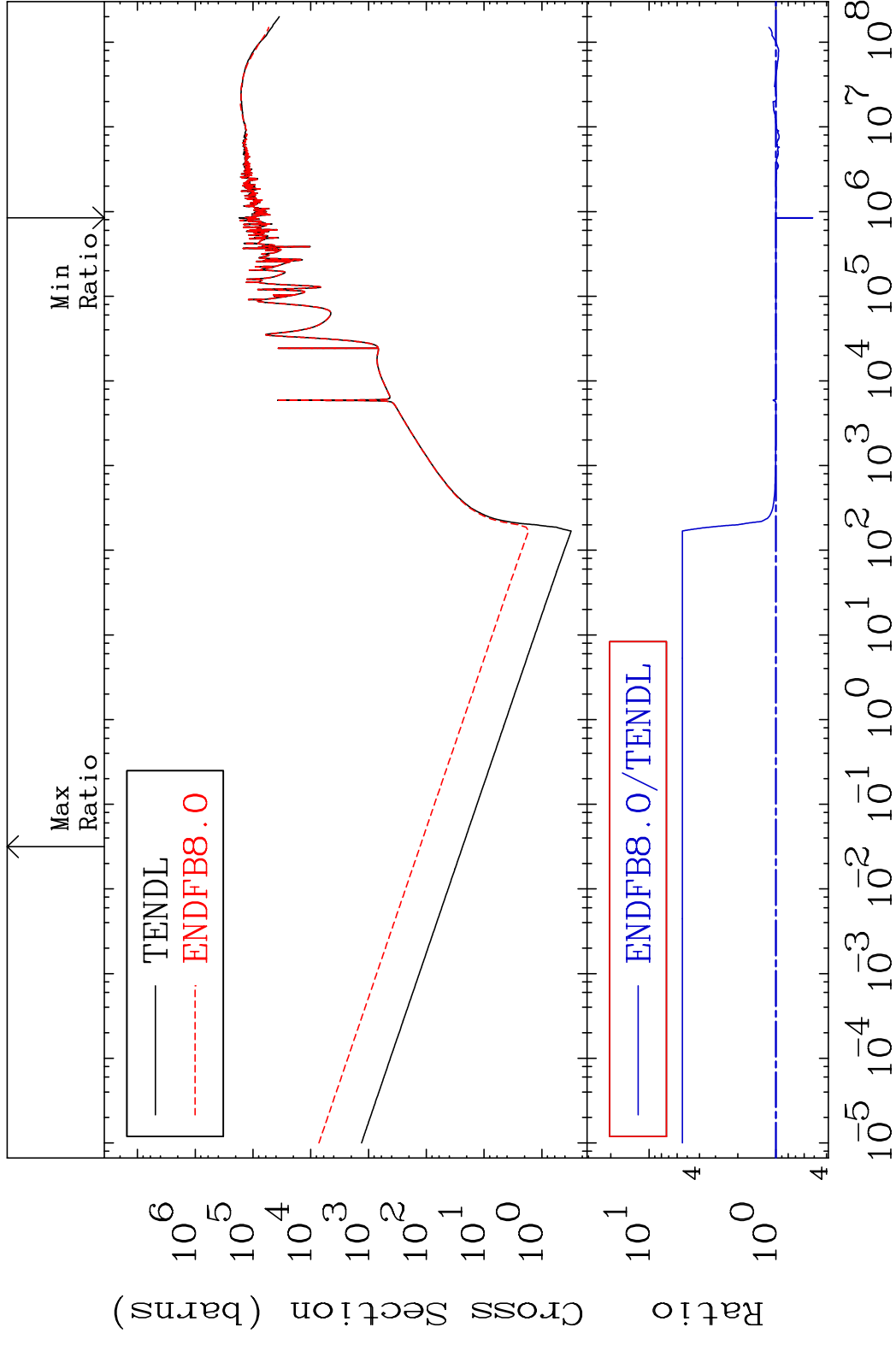
Incident Energy (eV)

13-A1-27

MAT 1325 Total kinematic kerma (high limit) 13-A1-27
 Cross Section -48.55 To 456.1 %



MAT 1325 Dpa total (eV-barns) 13-A1-27
 Cross Section -48.55 To 446.6 %

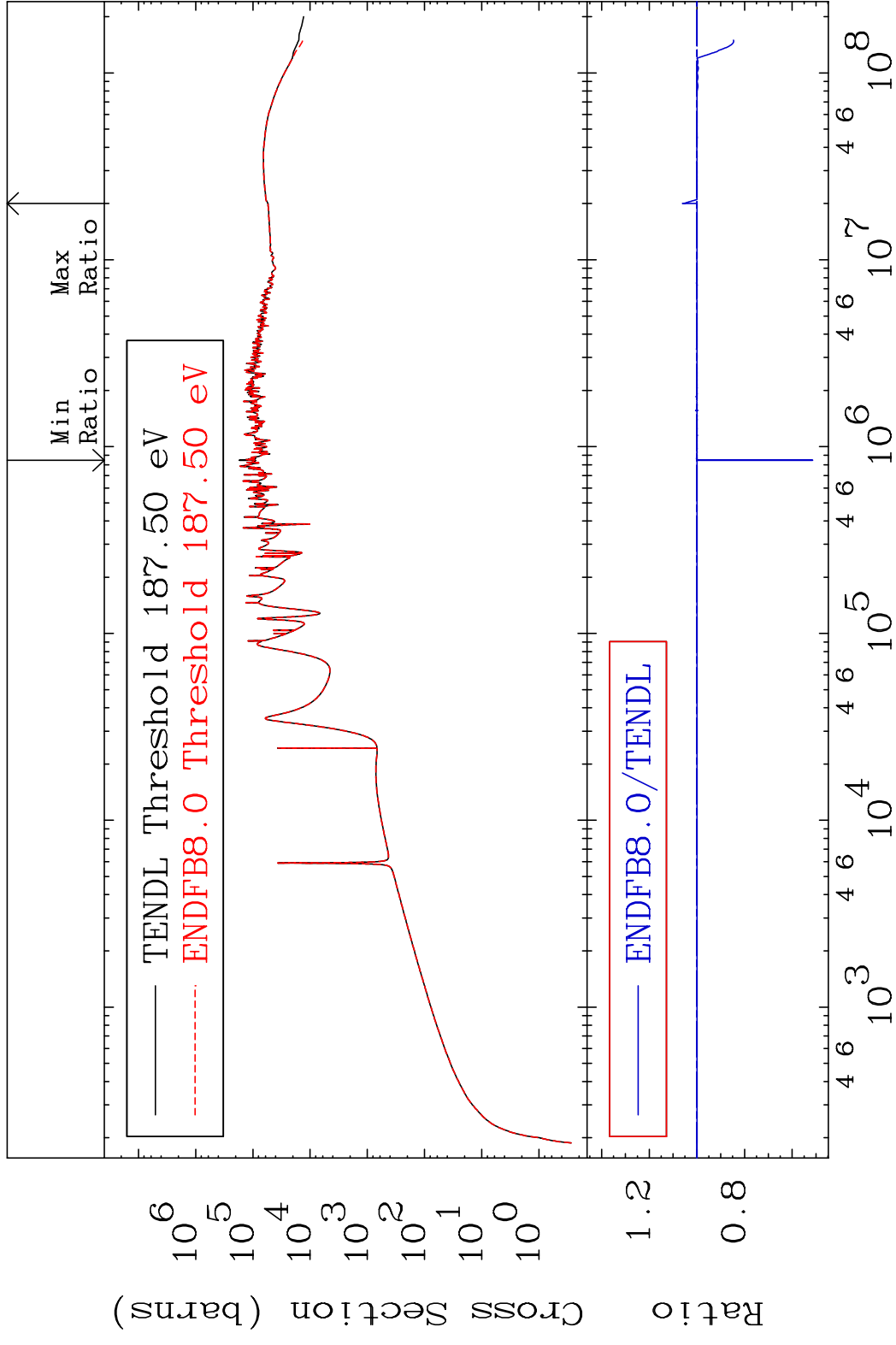


MAT 1325

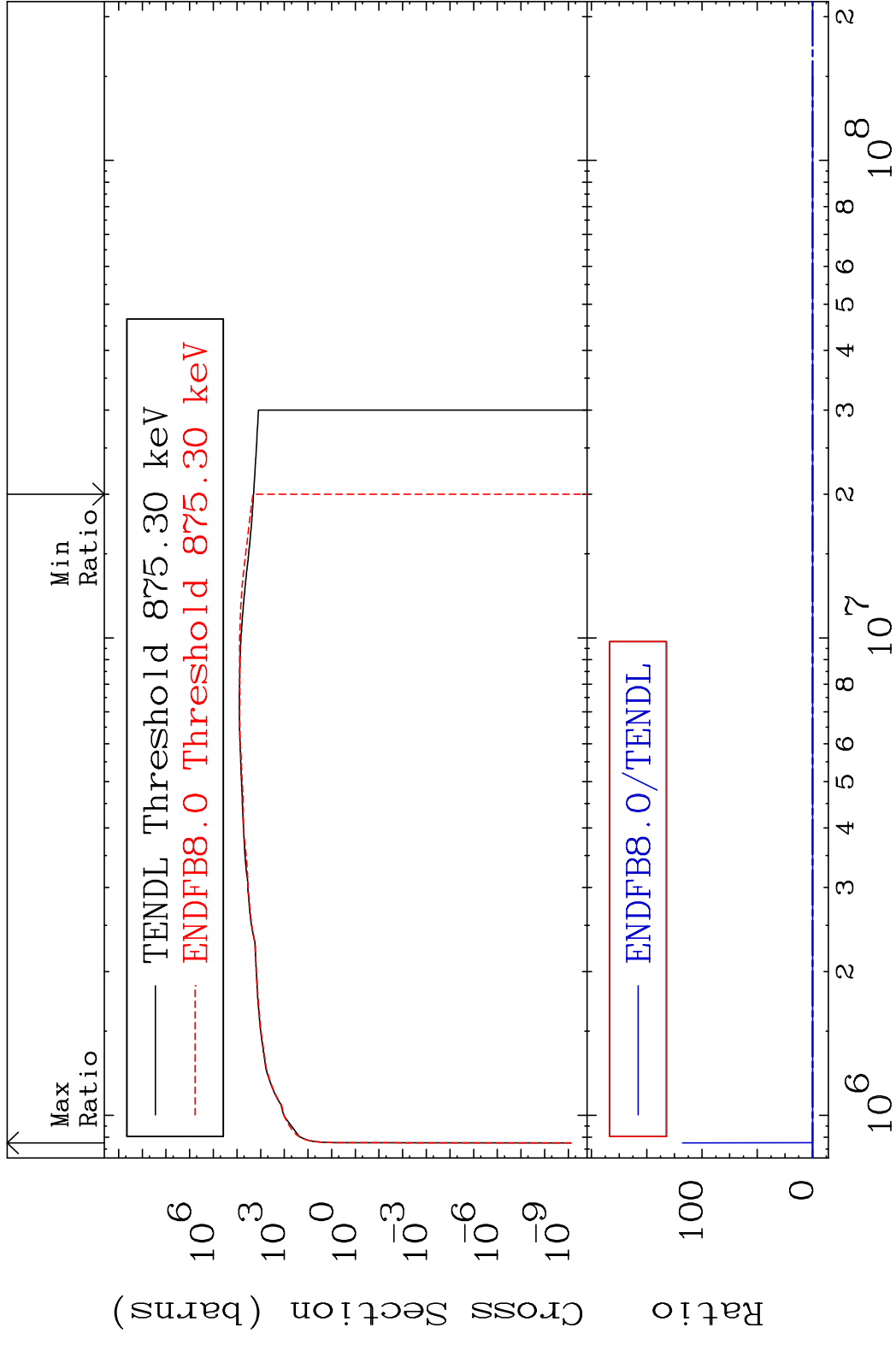
Dpa elastic (mt2)

13-Al-27

Cross Section -48.55 To 6.111 %



MAT 1325 Dpa inelastic (mt51-91) 13-Al-27
 Cross Section -100.0 To 9999. %



65 Incident Energy (eV) 13-Al-27

MAT 1325 Dpa disappearance (mt102 -120) 13-Al-27
 Cross Section -100.0 To 1295. %

