

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

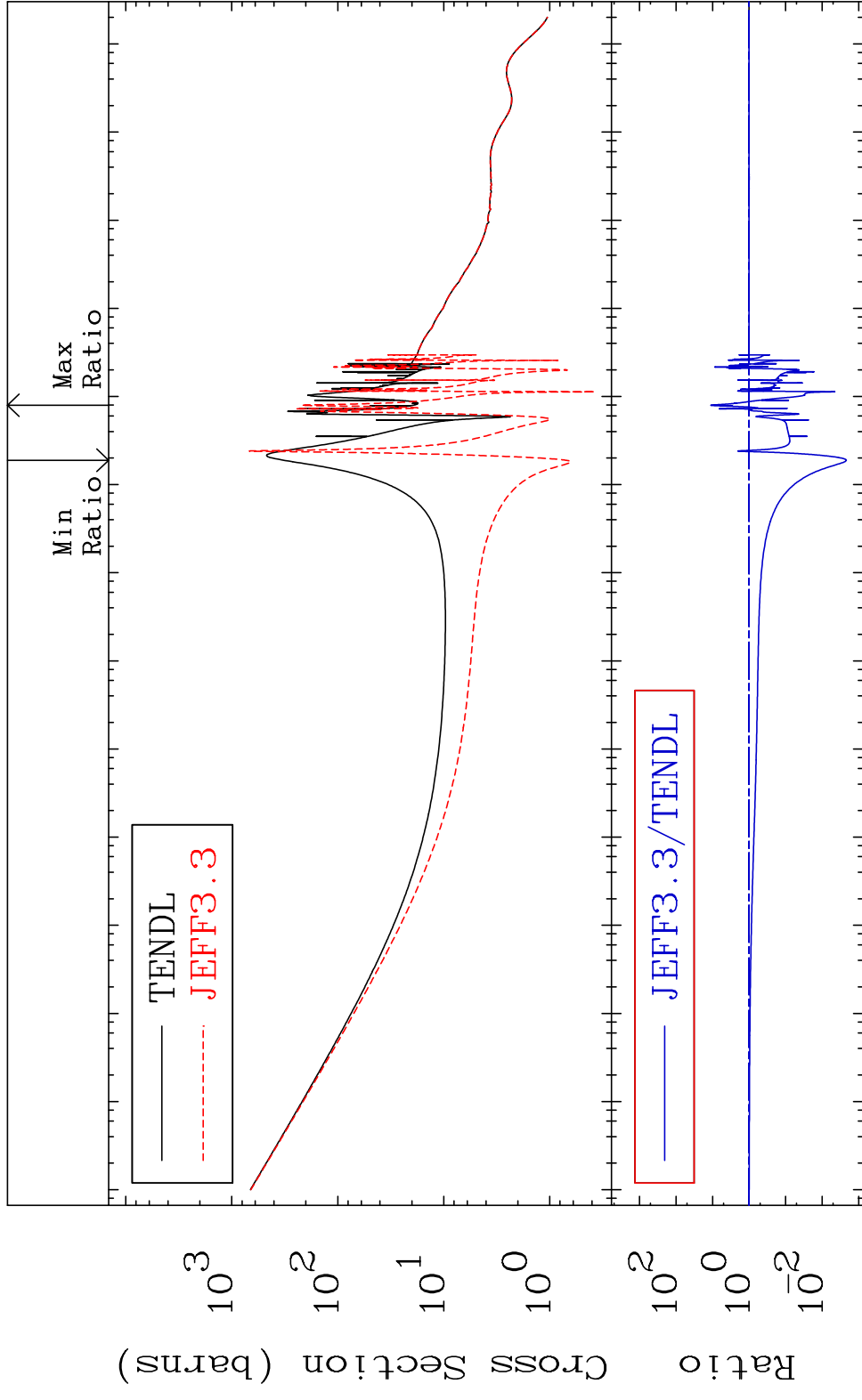
Press Mouse Button to Start

MAT 2628

26-Fe-55

Total

Cross Section -99.78 To 1023. %



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

Incident Energy (eV)

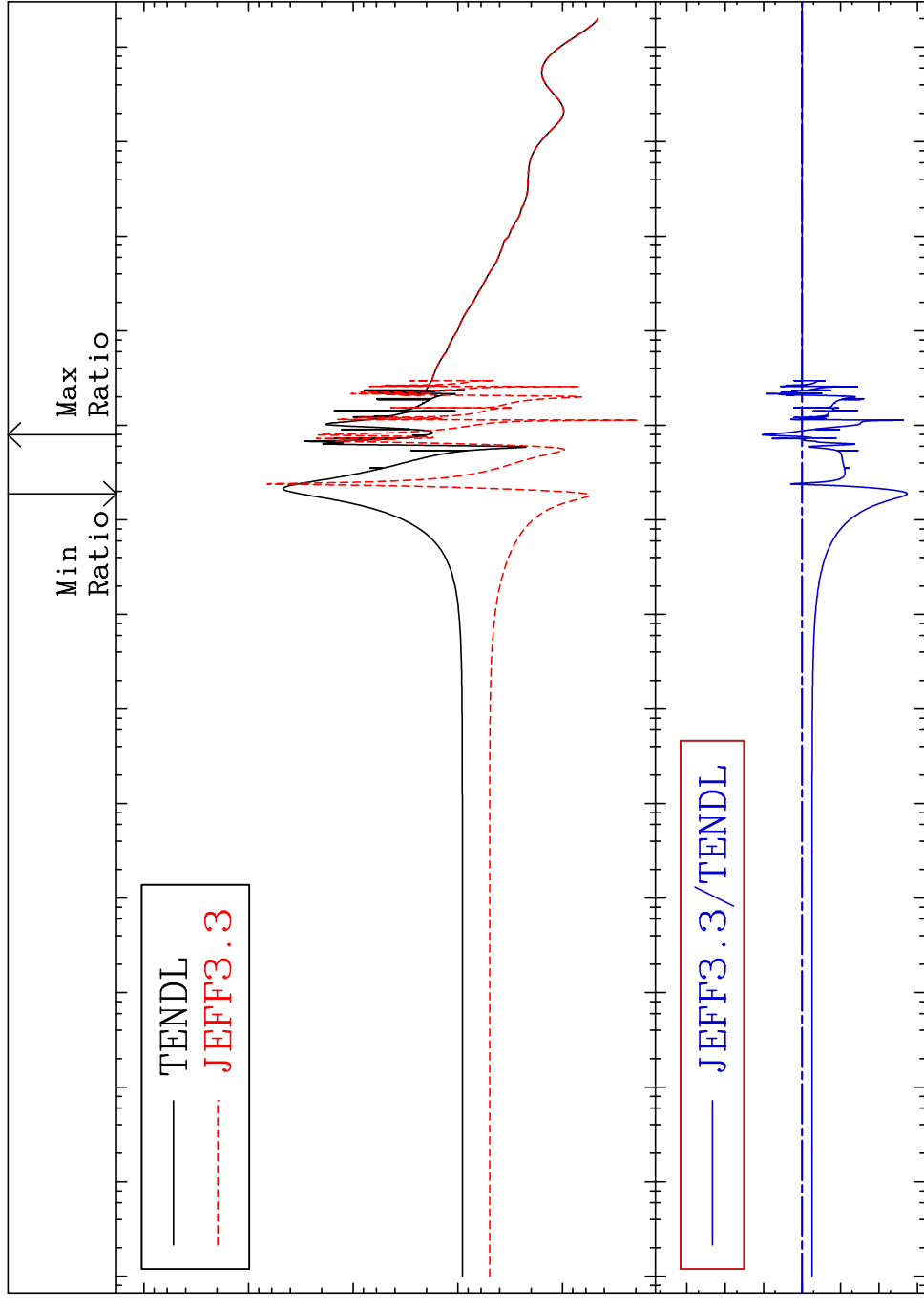
26-Fe-55

MAT 2628

26-Fe-55

Elastic

Cross Section -99.82 To 1017. %



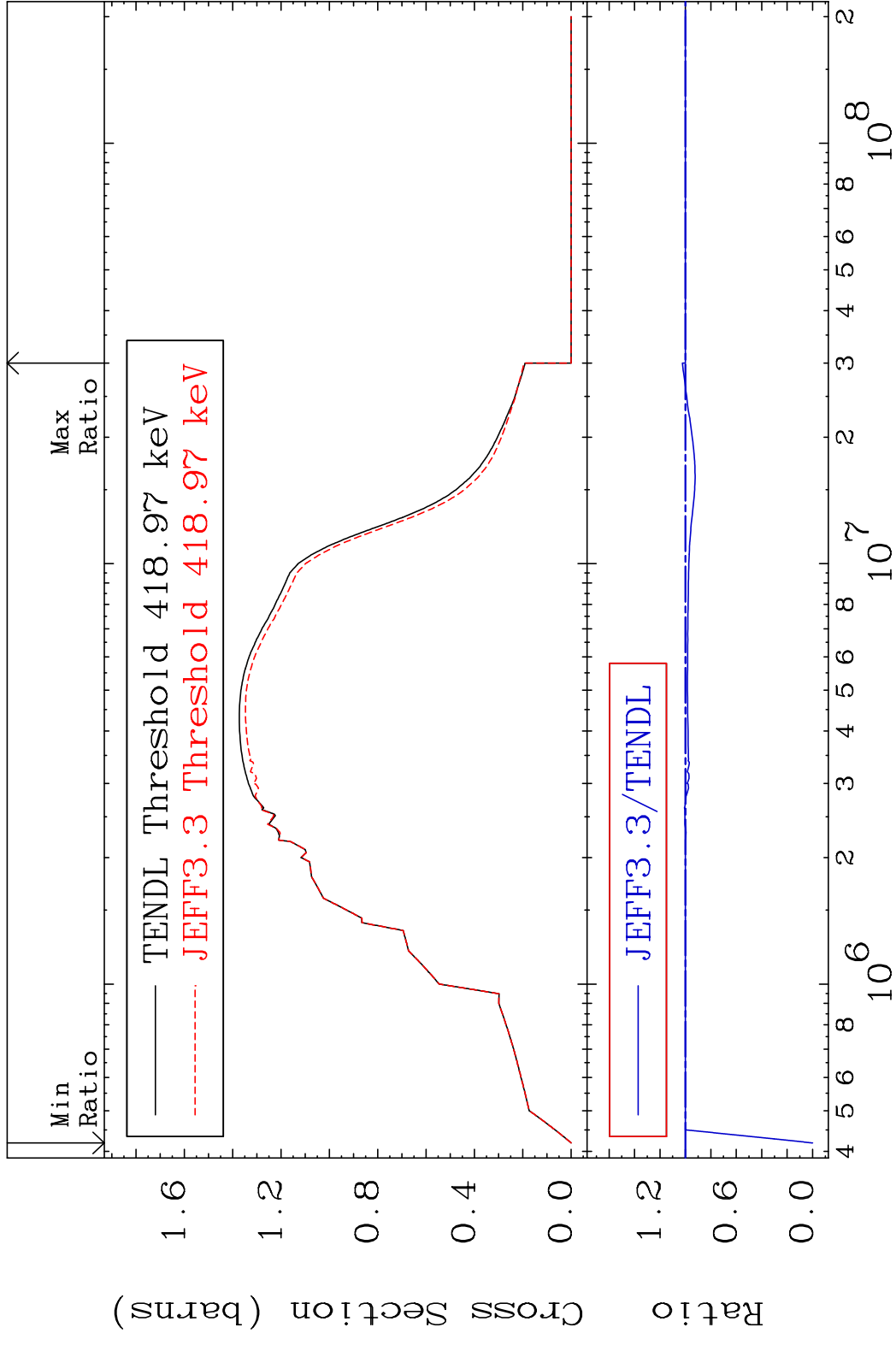
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

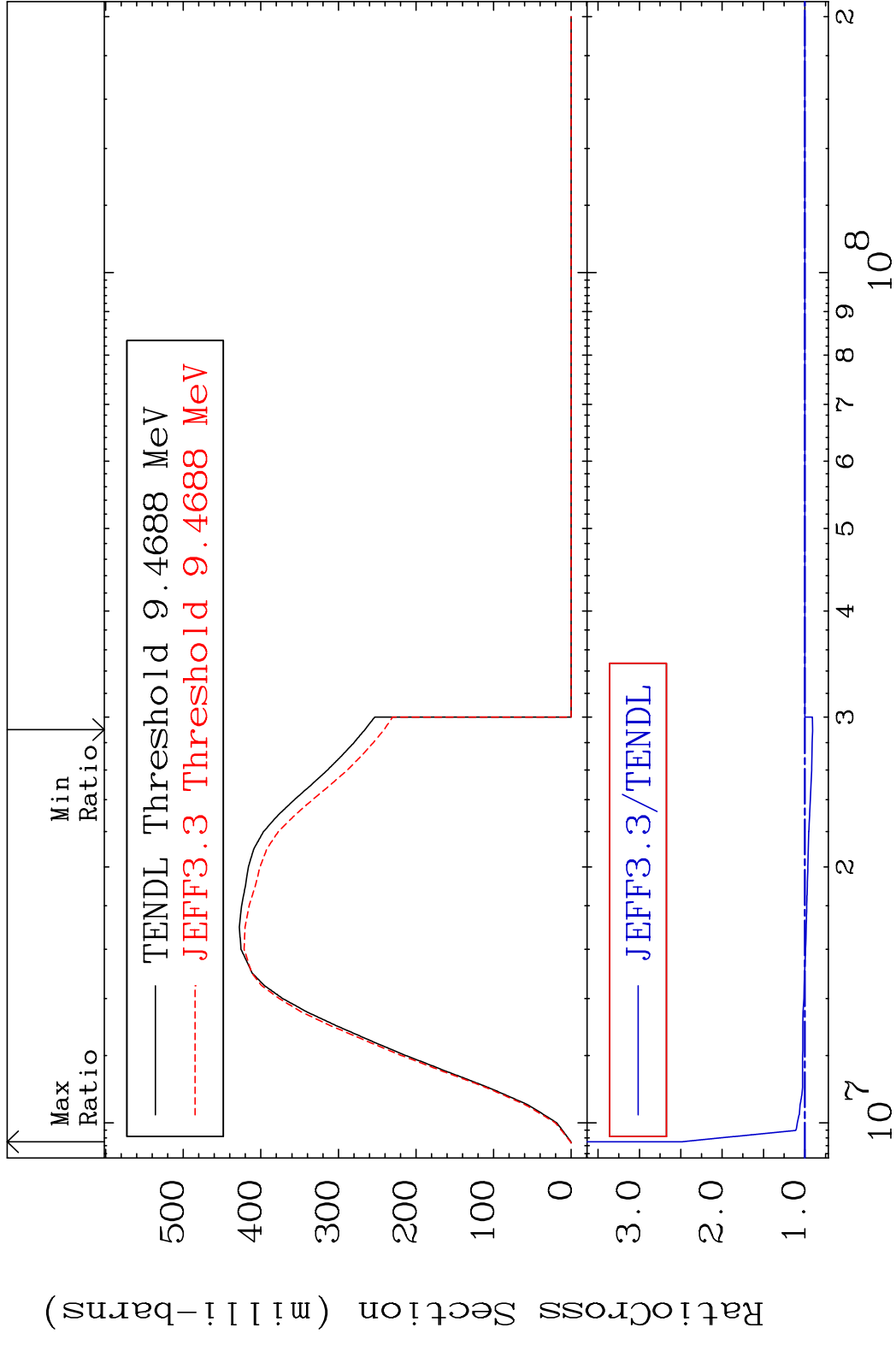
26-Fe-55

MAT 2628 Inelastic Cross Section -100.0 To 2.391 % 26-Fe-55



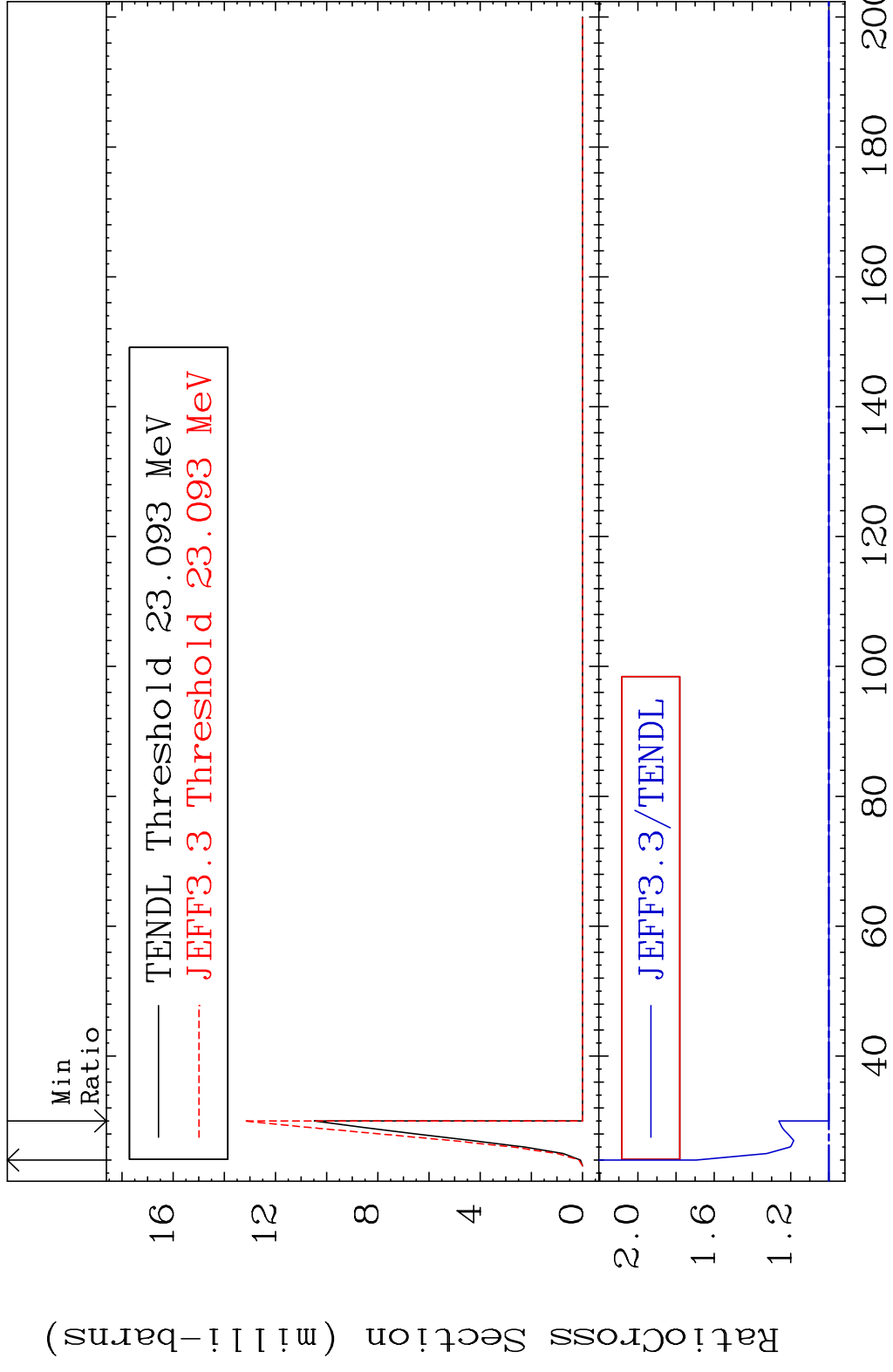
3 Incident Energy (eV) 26-Fe-55

MAT 2628 (n,2n) 26-Fe-55
 Cross Section -9.352 To 148.1 %

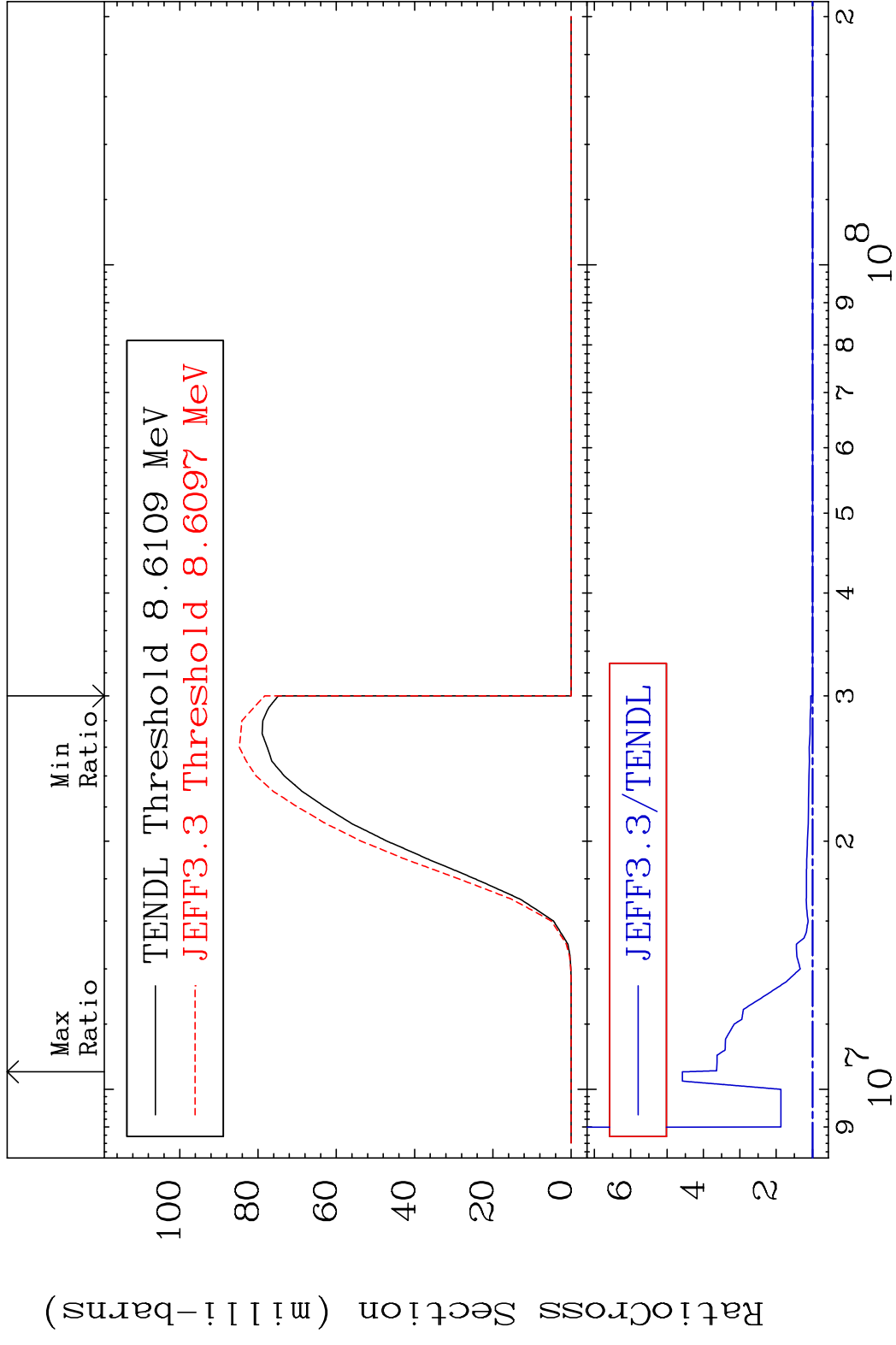


4 26-Fe-55

MAT 2628 (n,3n) 26-Fe-55
 Cross Section 0.000 To 69.56 %



MAT 2628 (n, n') α 26-Fe-55
 Cross Section 0.000 To 358.0 %



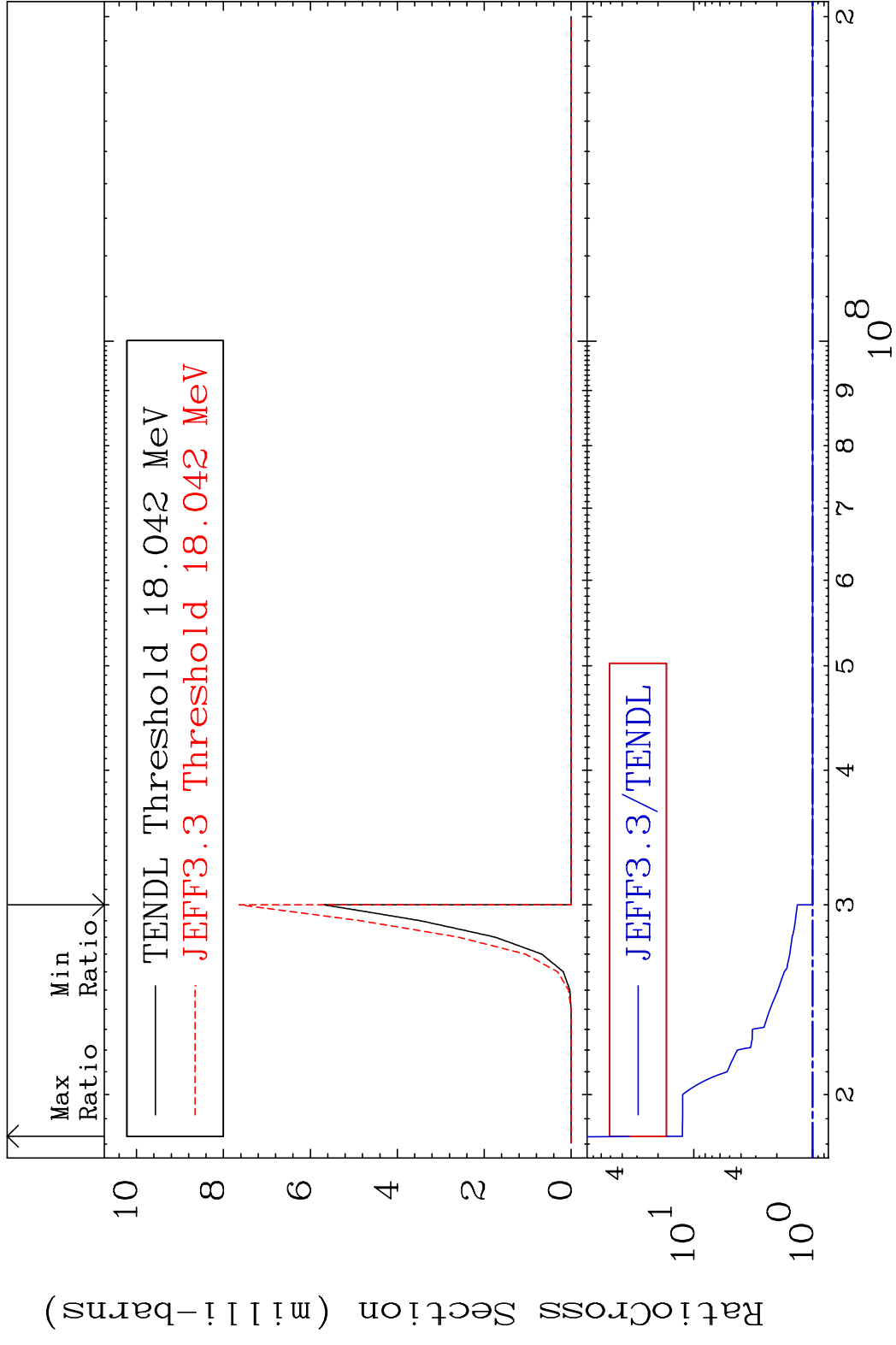
6 Incident Energy (eV) 26-Fe-55

MAT 2628

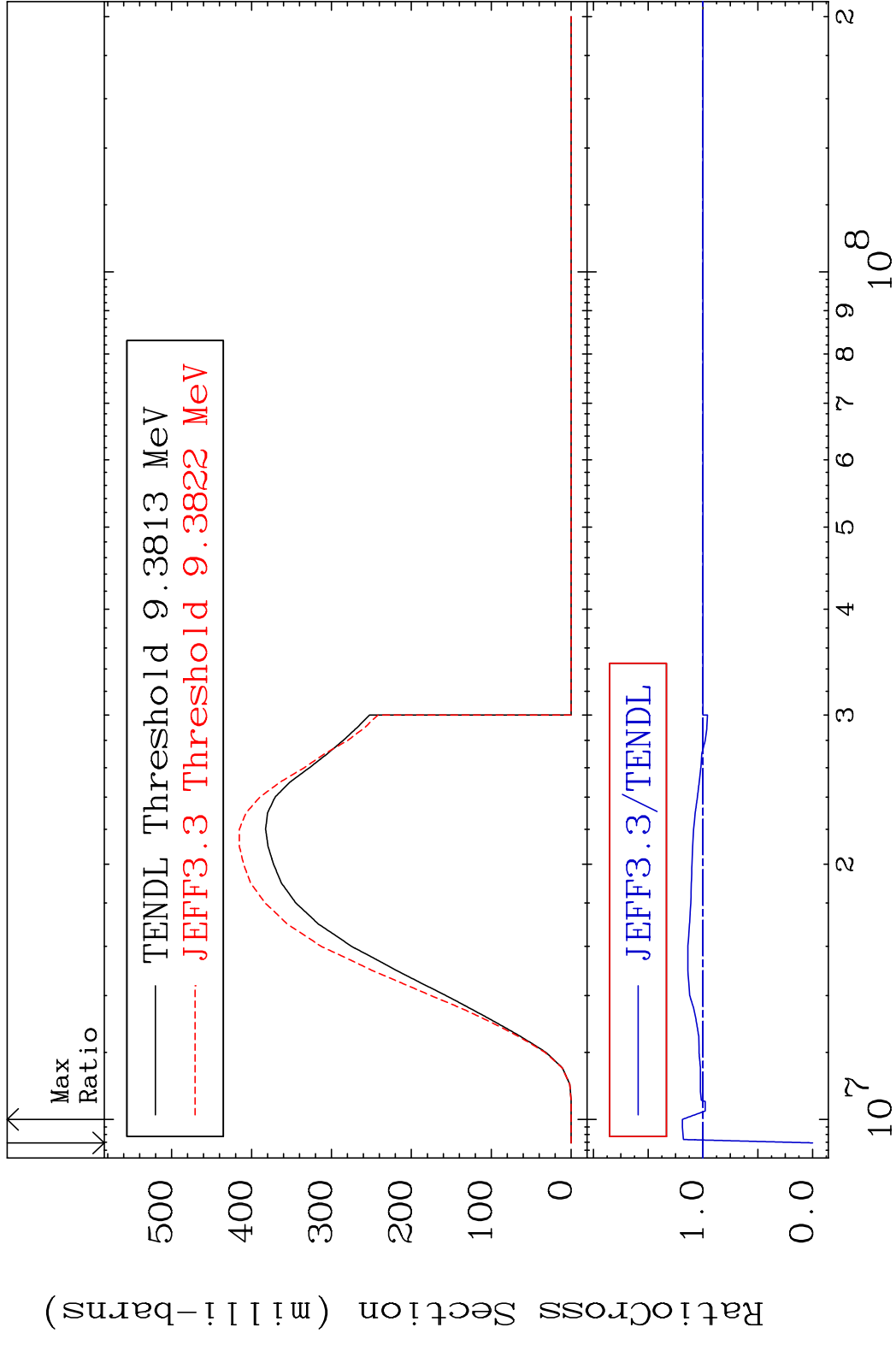
(n,2n) α

²⁶Fe-55

Cross Section 0.000 To 1146. %

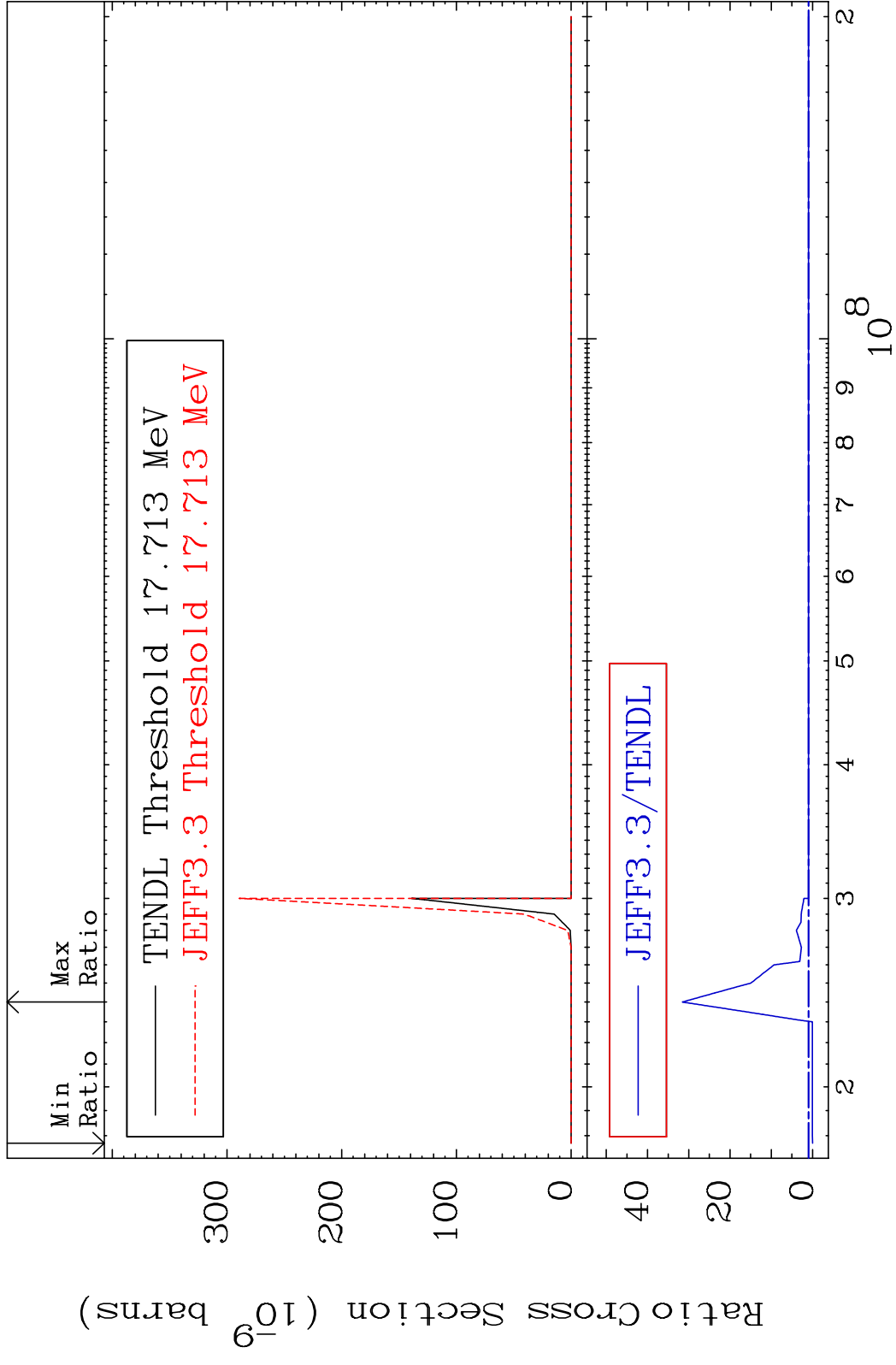


MAT 2628 (n, n') p 26-Fe-55
 Cross Section -100.0 To 18.85 %

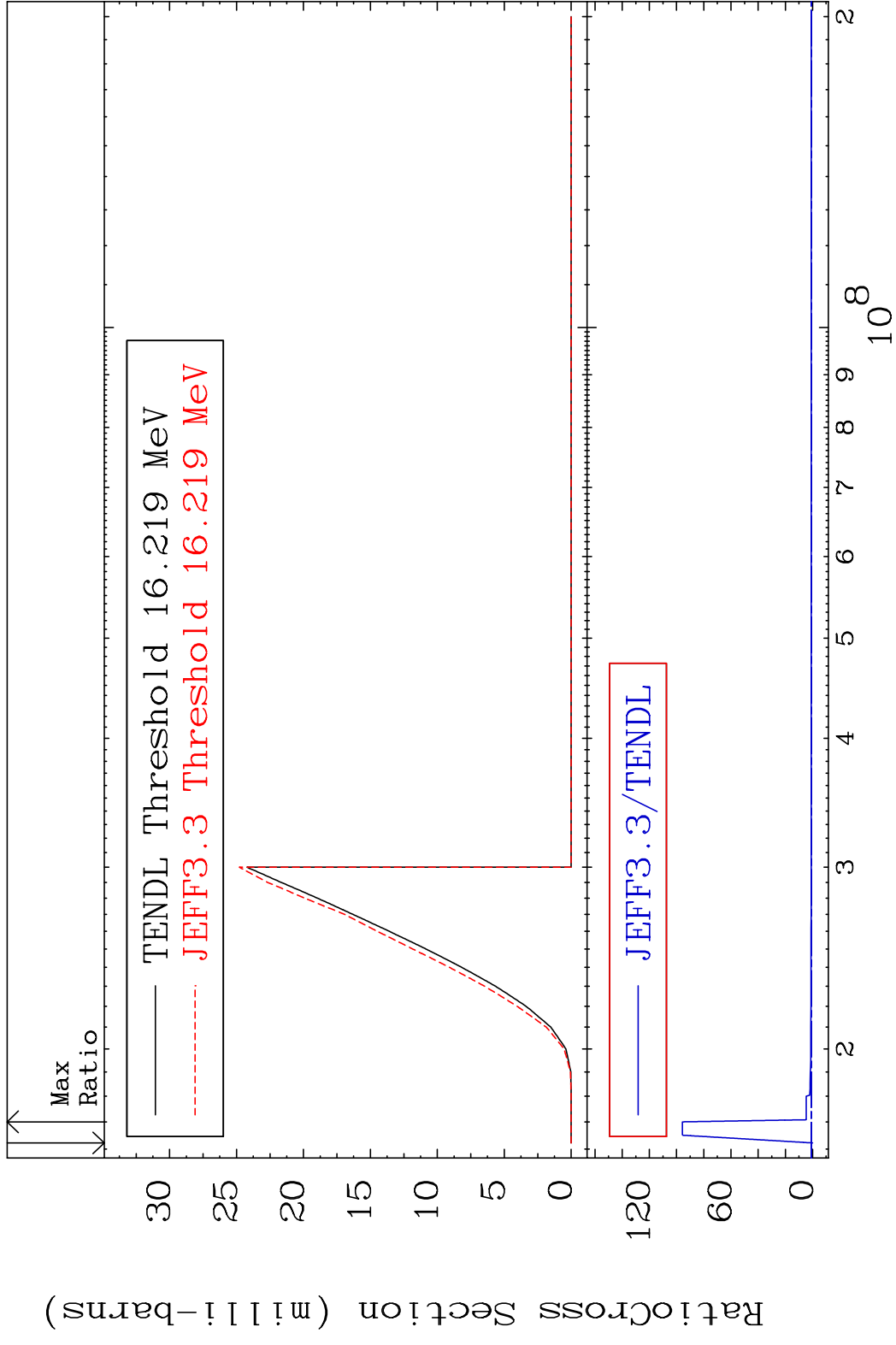


8 26-Fe-55

MAT 2628 (n, n') 2α 26-Fe-55
 Cross Section -100.0 To 3056. %

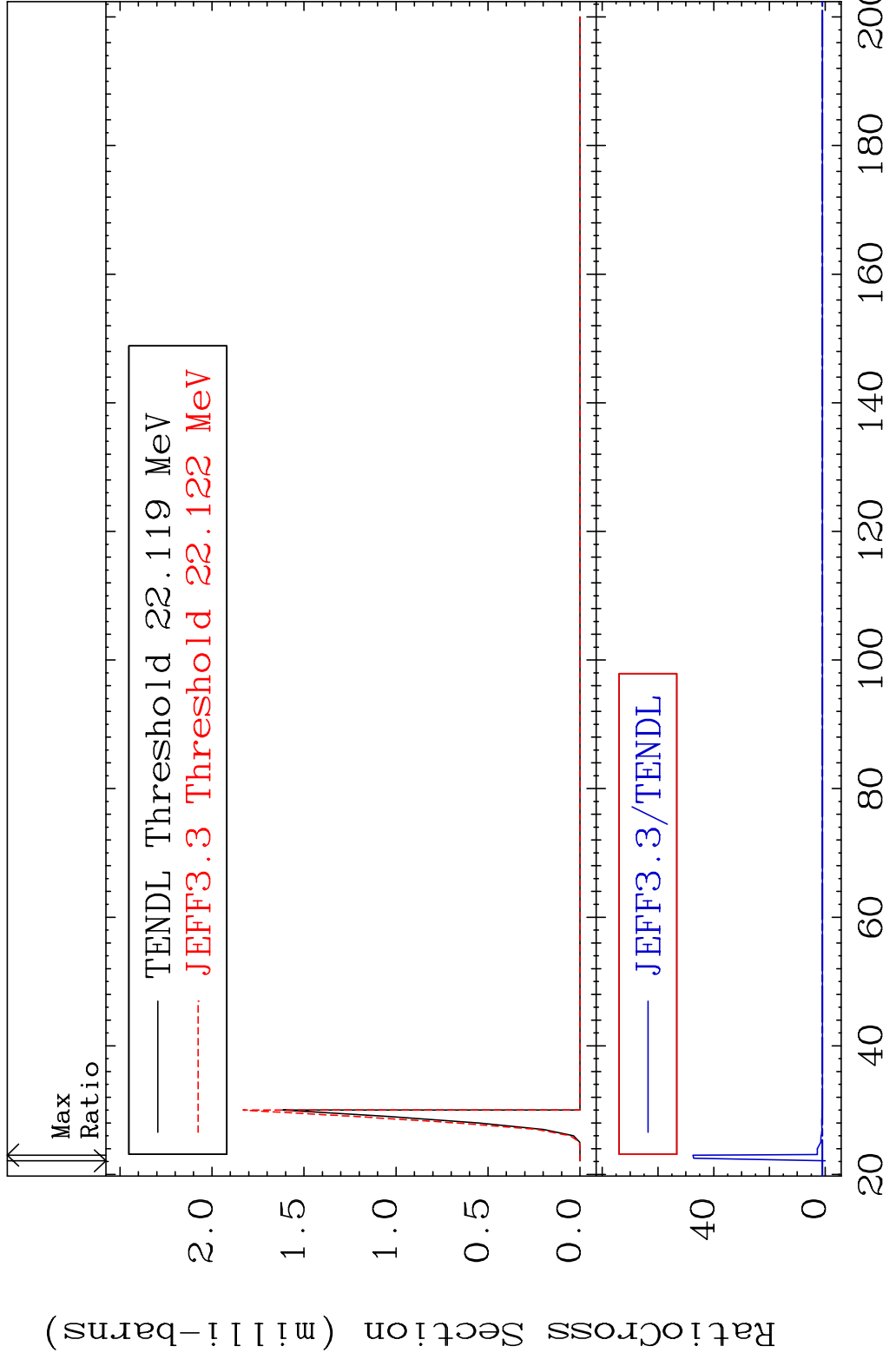


MAT 2628 (n, n') d 26-Fe-55
 Cross Section -100.0 To 9474. %

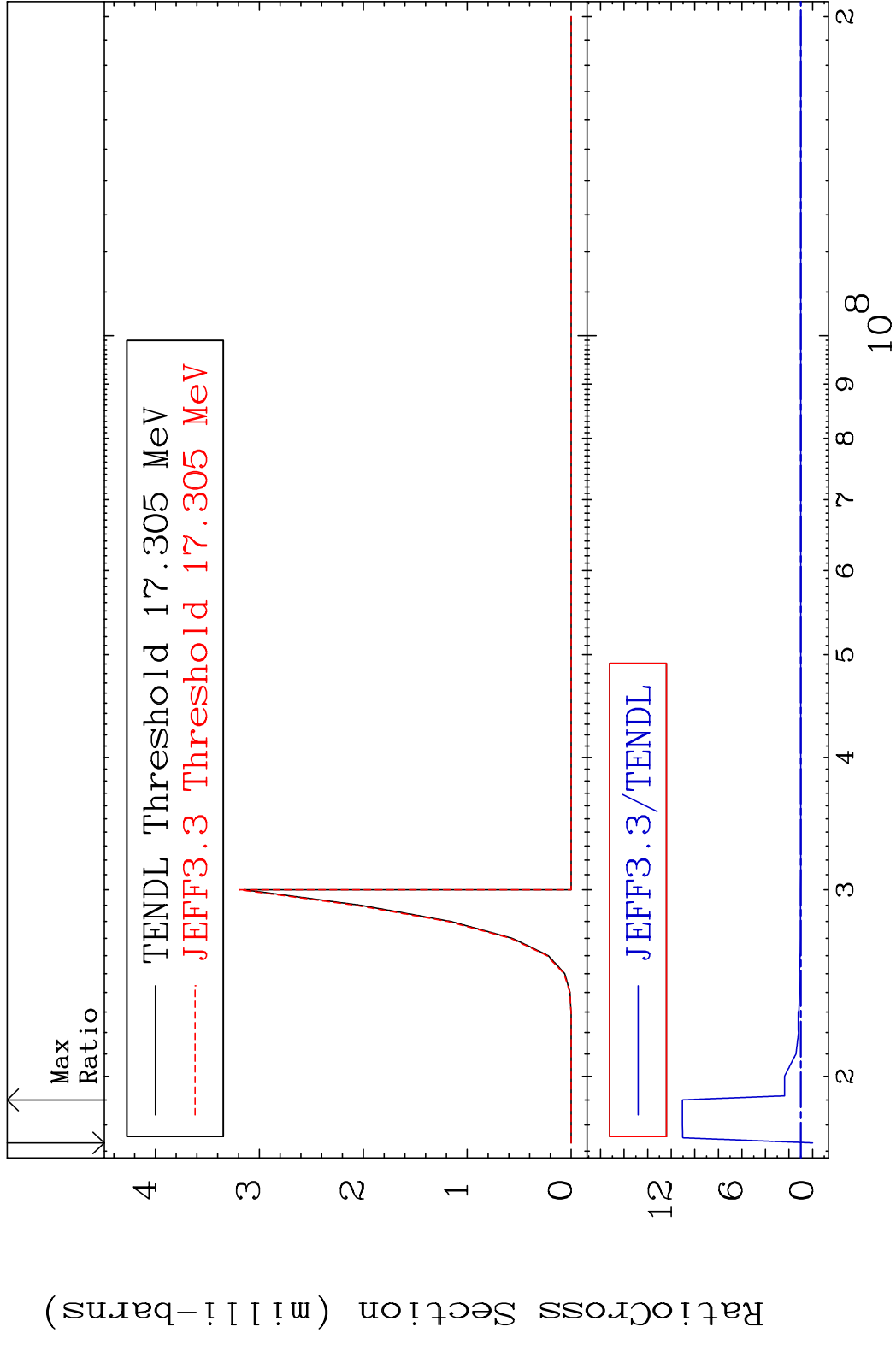


10 Incident Energy (eV) 26-Fe-55

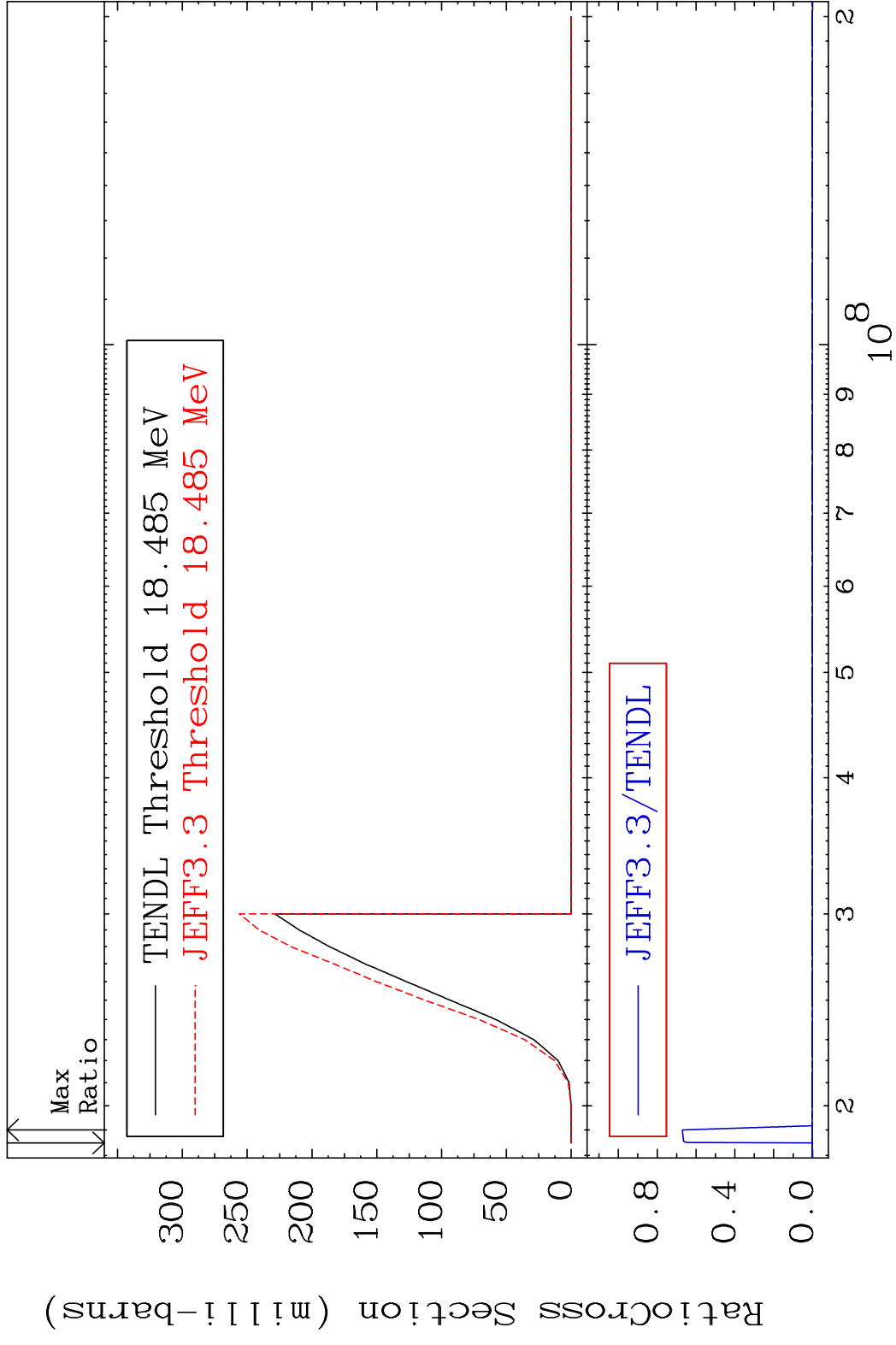
MAT 2628 (n, n') t 26-Fe-55
 Cross Section -100.0 To 4645. %



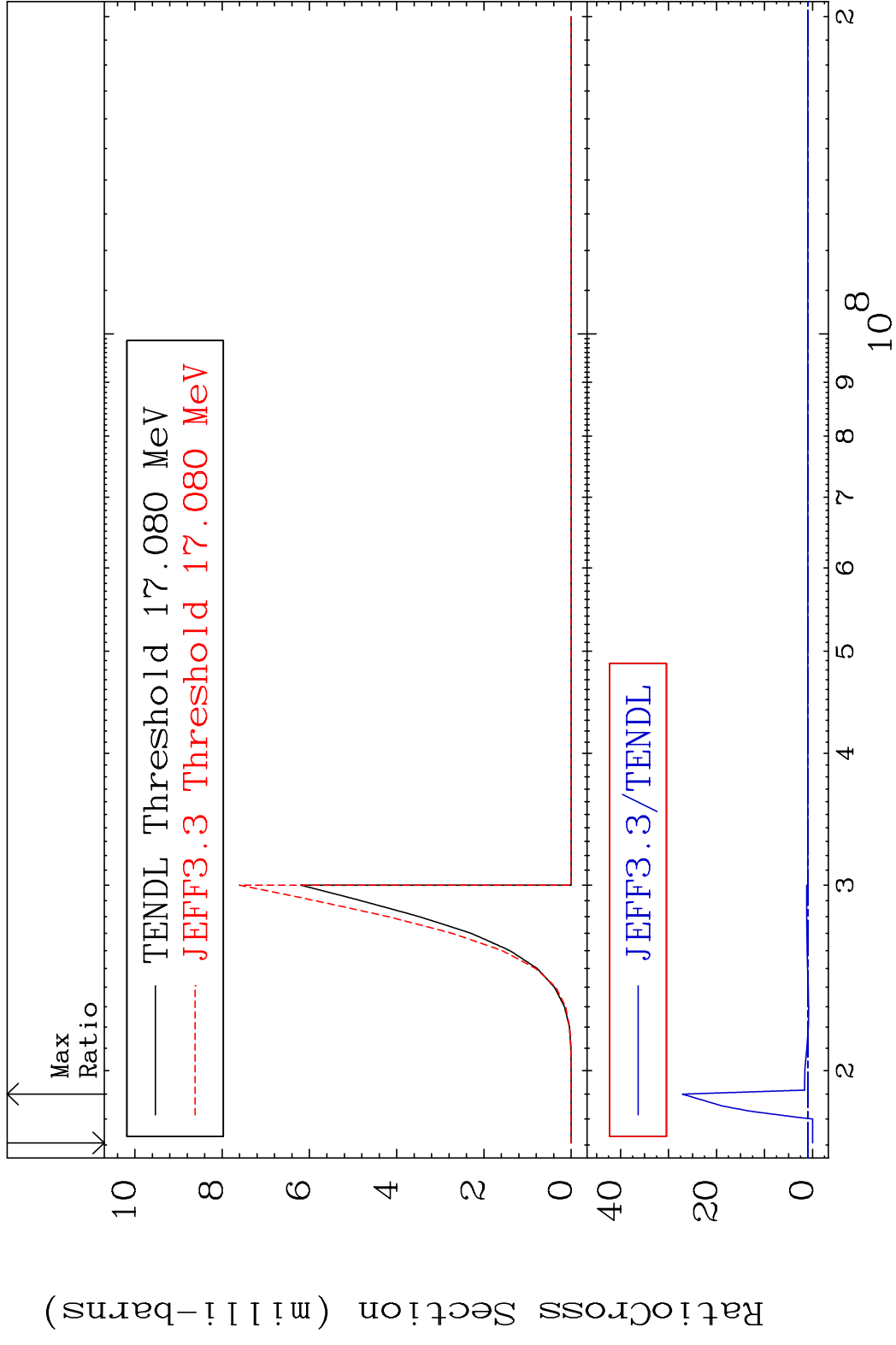
MAT 2628 (n,n') He-3 26-Fe-55
 Cross Section -100.0 To 1005. %



MAT 2628 (n,2n) p 26-Fe-55
 Cross Section -100.0 To 9999. %



MAT 2628 (n,2n) p 26-Fe-55
 Cross Section -100.0 To 2613. %

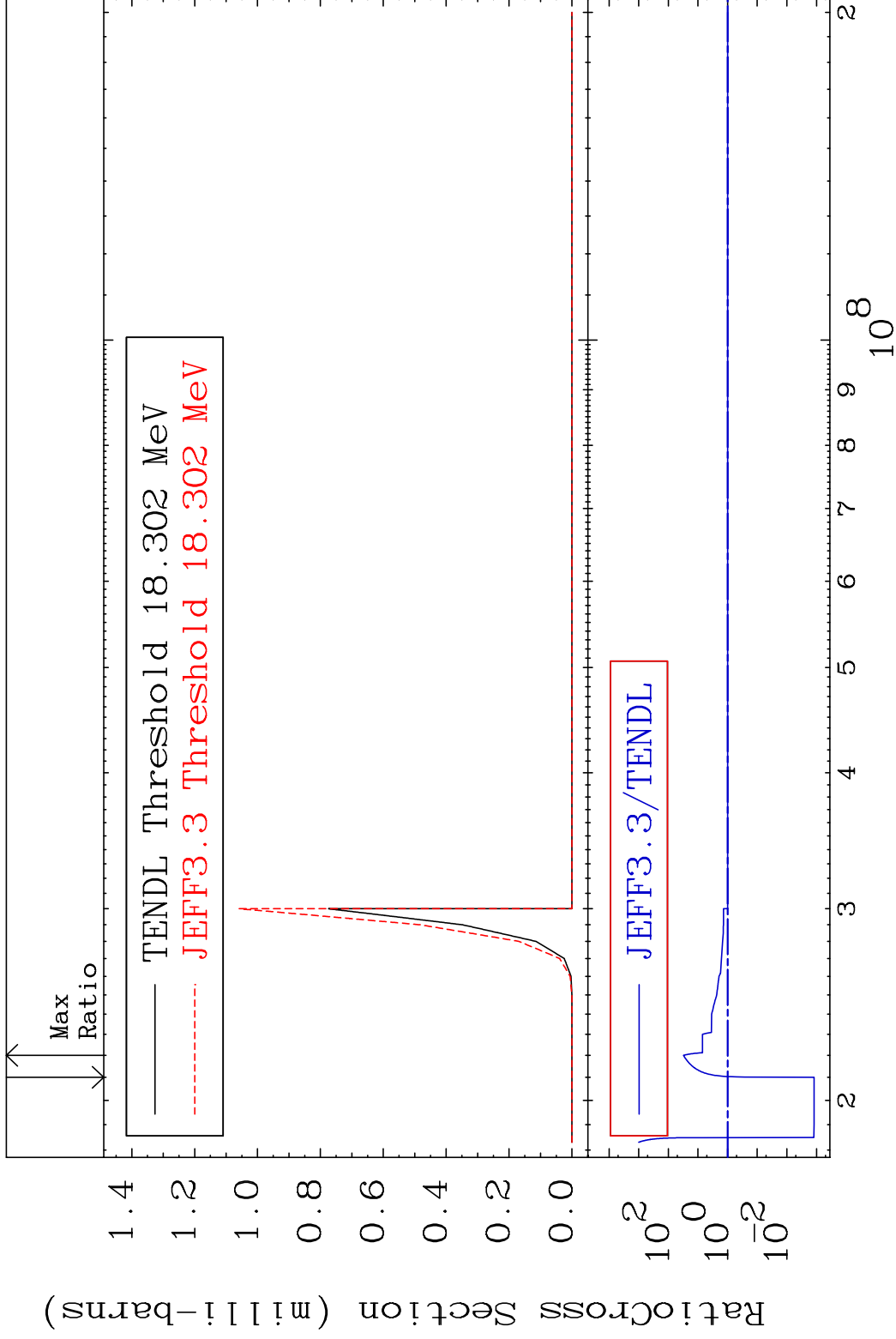


MAT 2628

(n,n') p α

26-Fe-55

Cross Section -99.88 To 2994. %

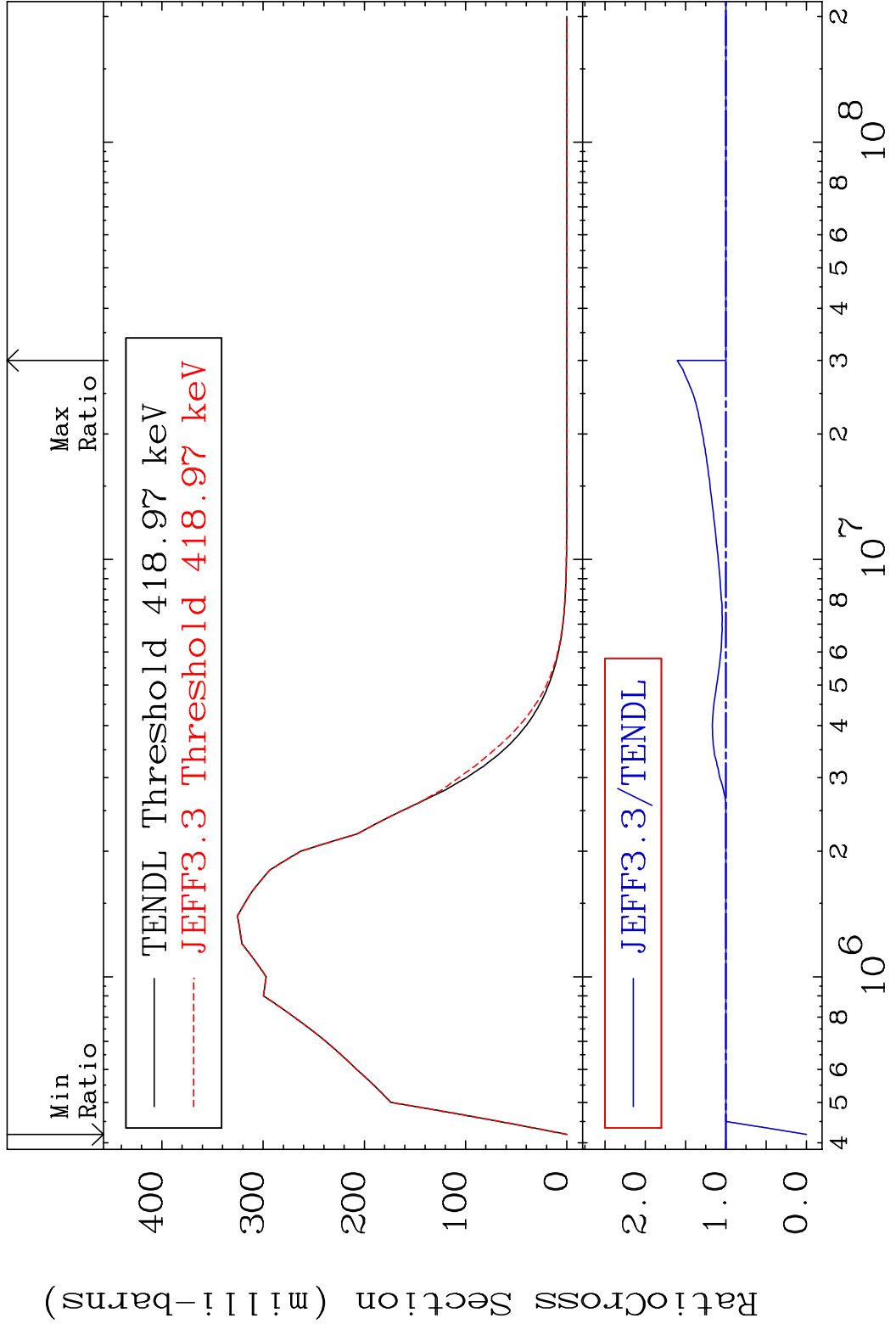


15

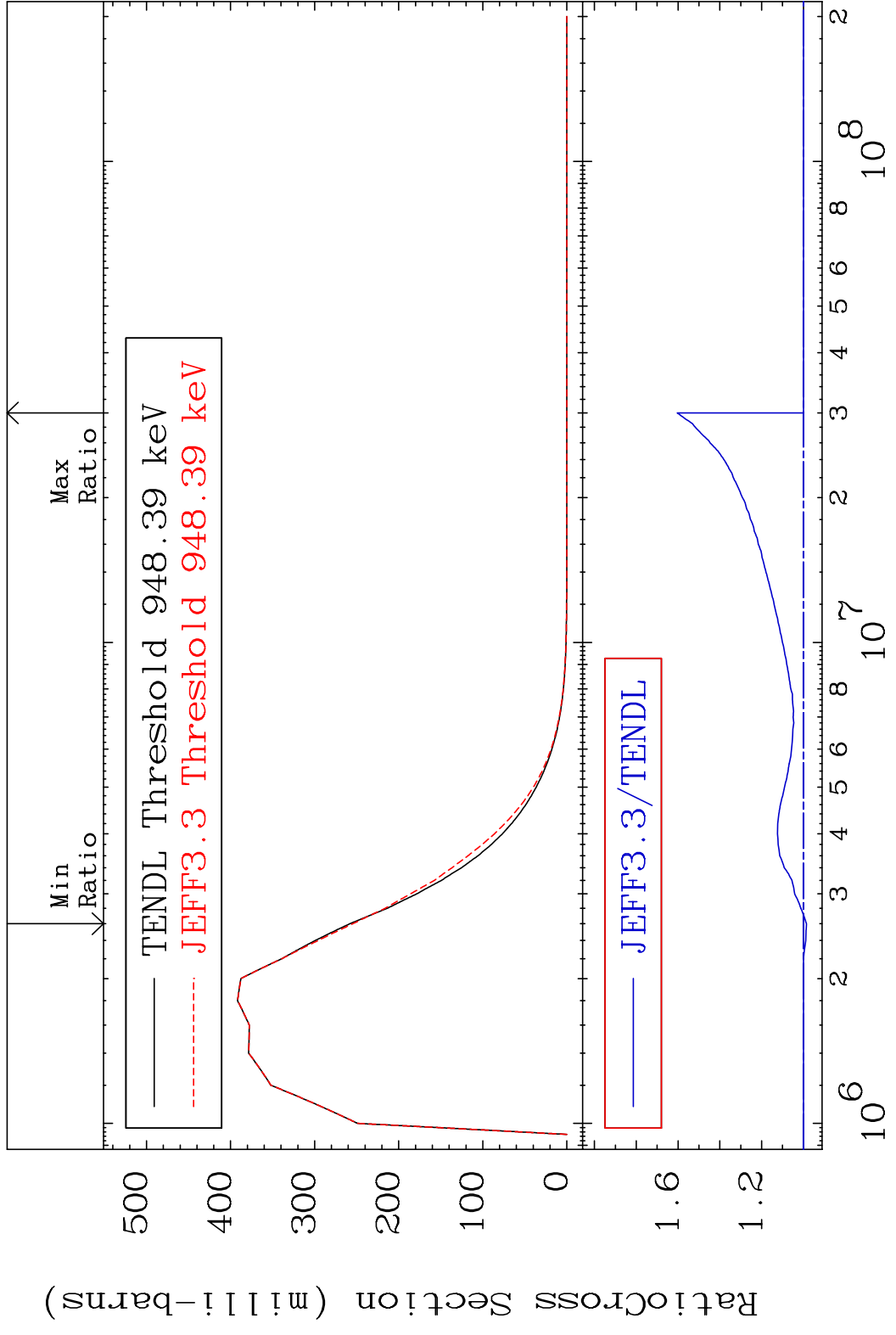
Incident Energy (eV)

26-Fe-55

MAT 2628 MT= 51 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 60.39 %

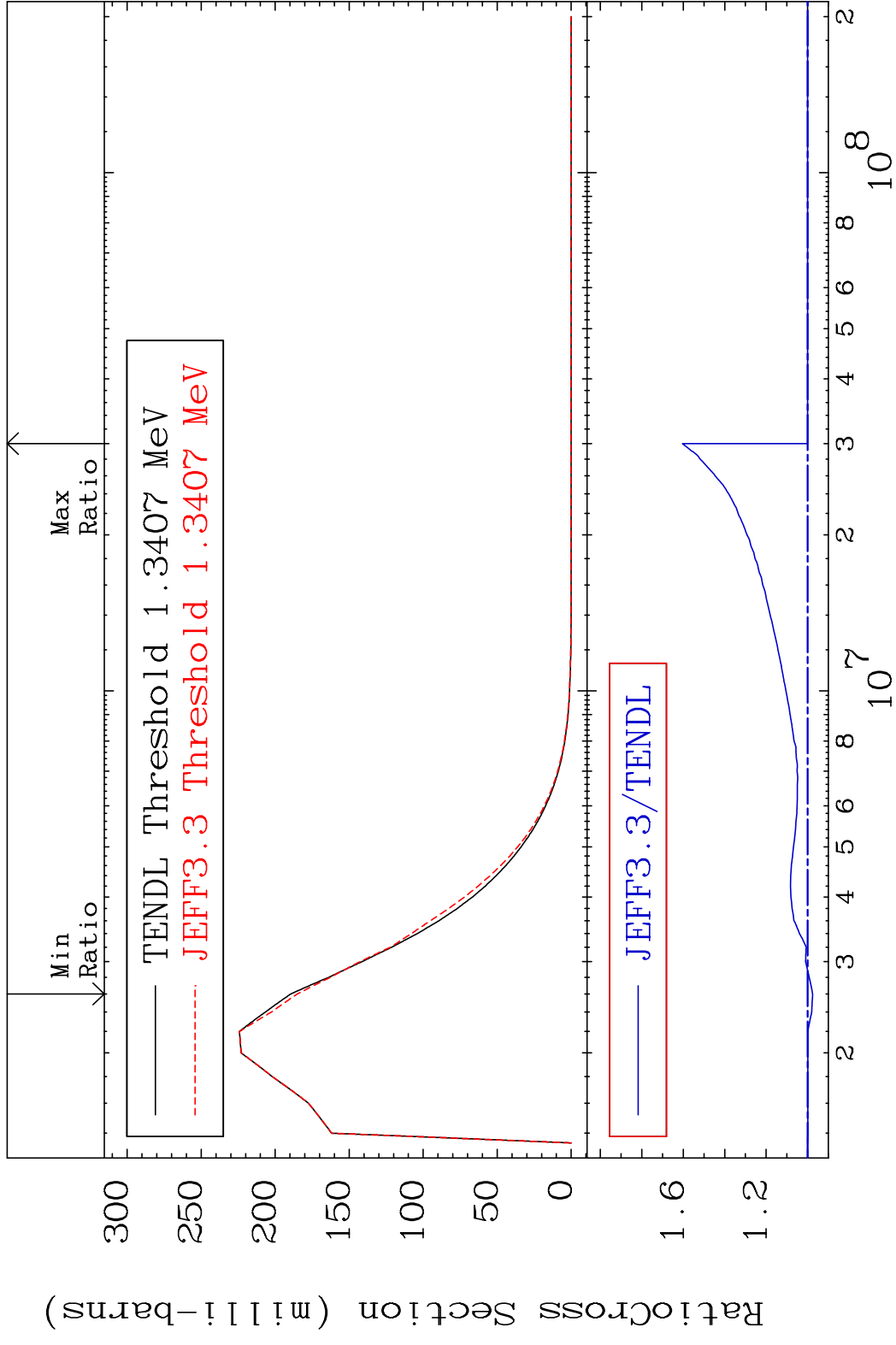


MAT 2628 MT= 52 (n, n') Level 26-Fe-55
 Cross Section -1.432 To 60.41 %



17 Incident Energy (eV) 26-Fe-55

MAT 2628 MT= 53 (n, n') Level 26-Fe-55
 Cross Section -2.375 To 60.43 %

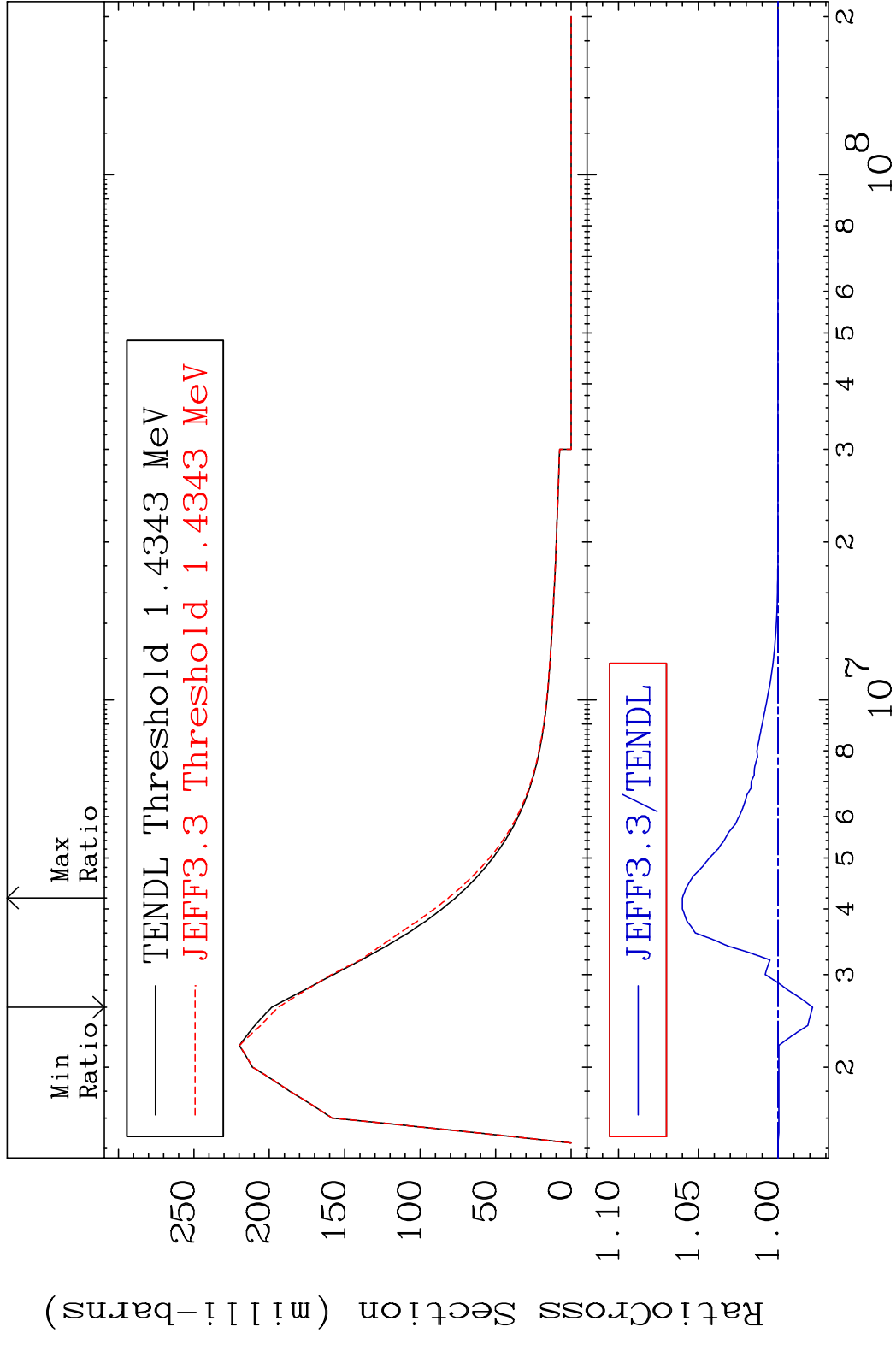


MAT 2628

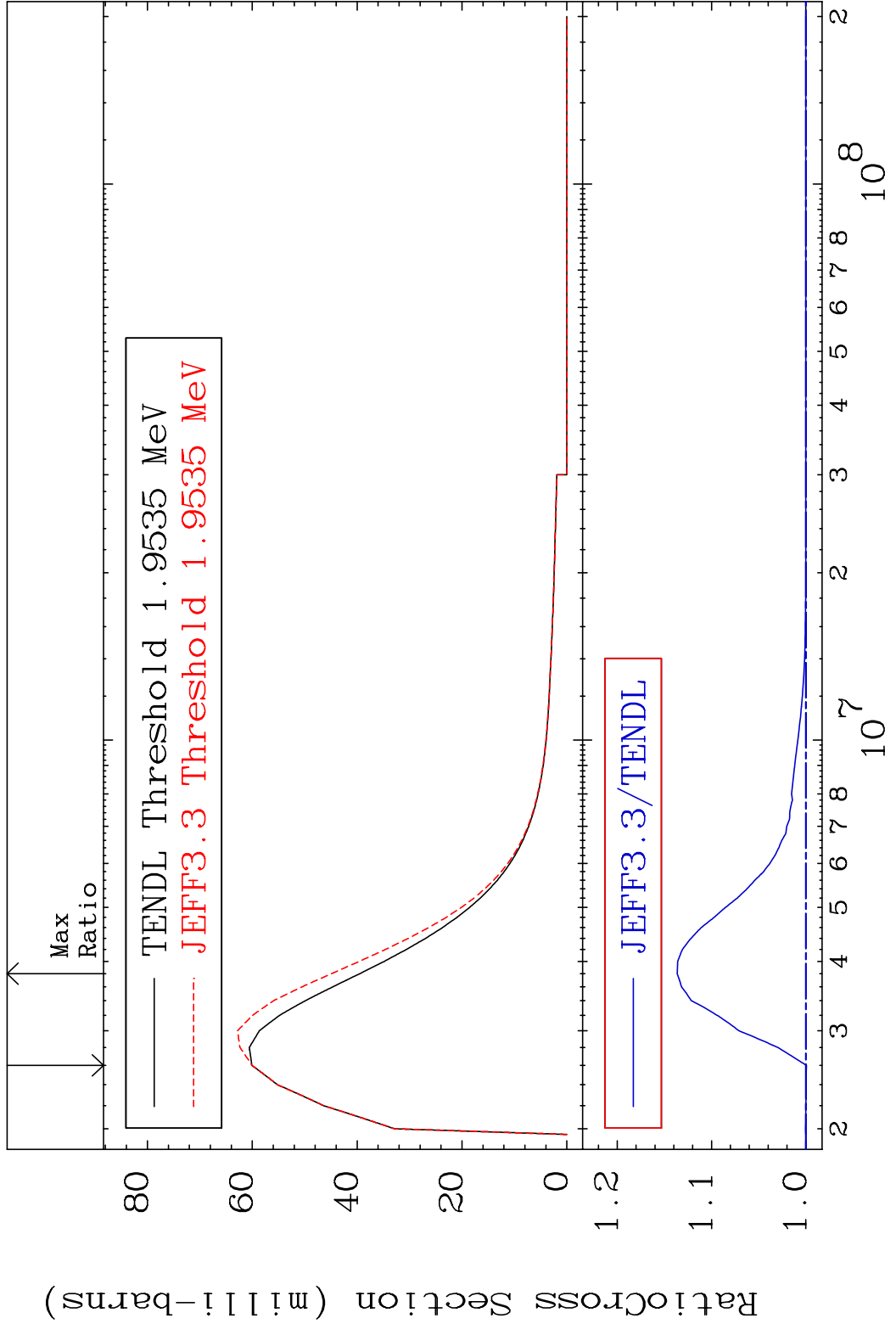
MT= 54 (n,n') Level

²⁶Fe-55

Cross Section -2.164 To 6.001 %

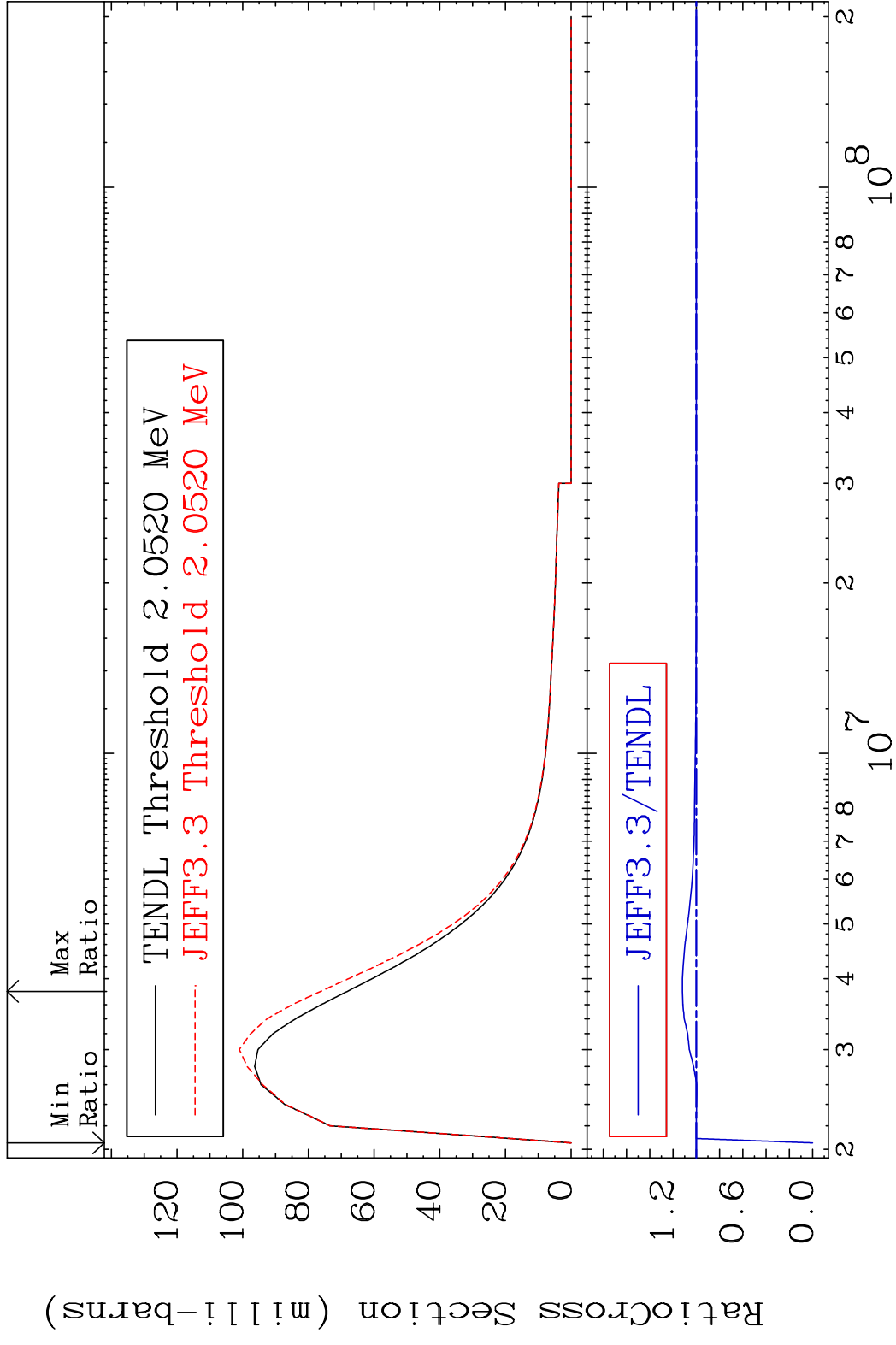


MAT 2628 MT= 55 (n,n') Level 26-Fe-55
 Cross Section -0.061 To 13.64 %

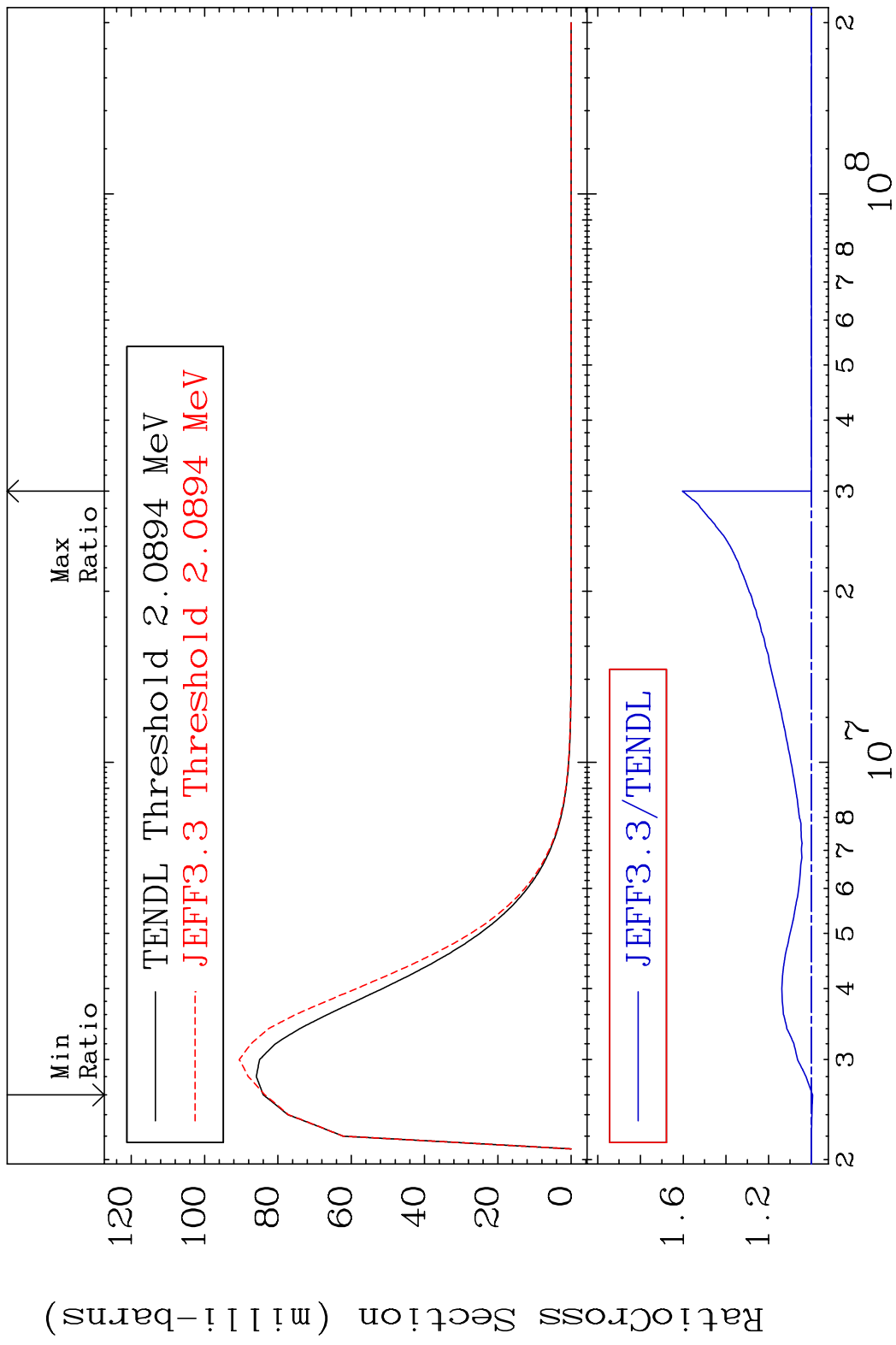


20 26-Fe-55

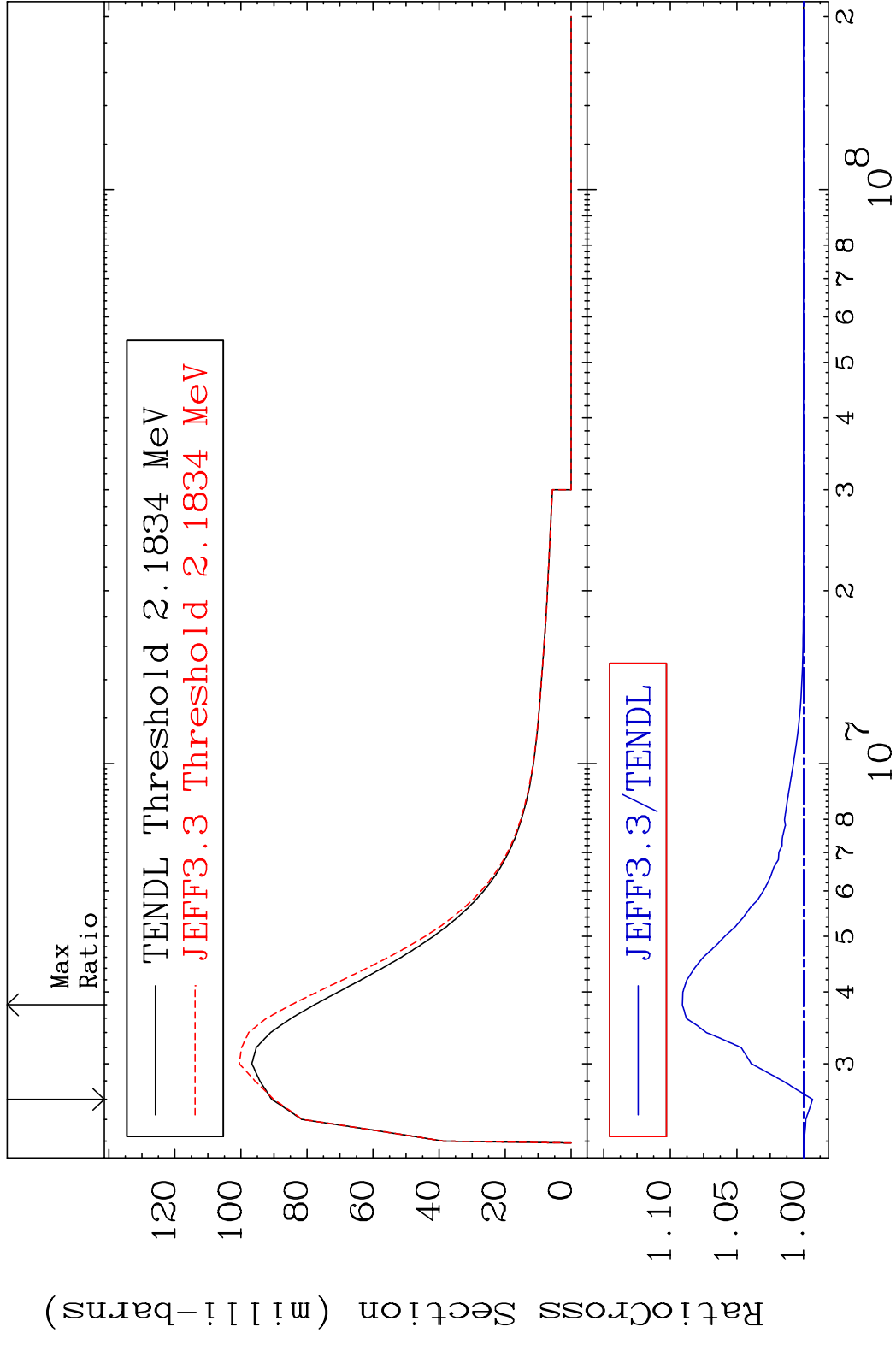
MAT 2628 MT= 56 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 11.94 %



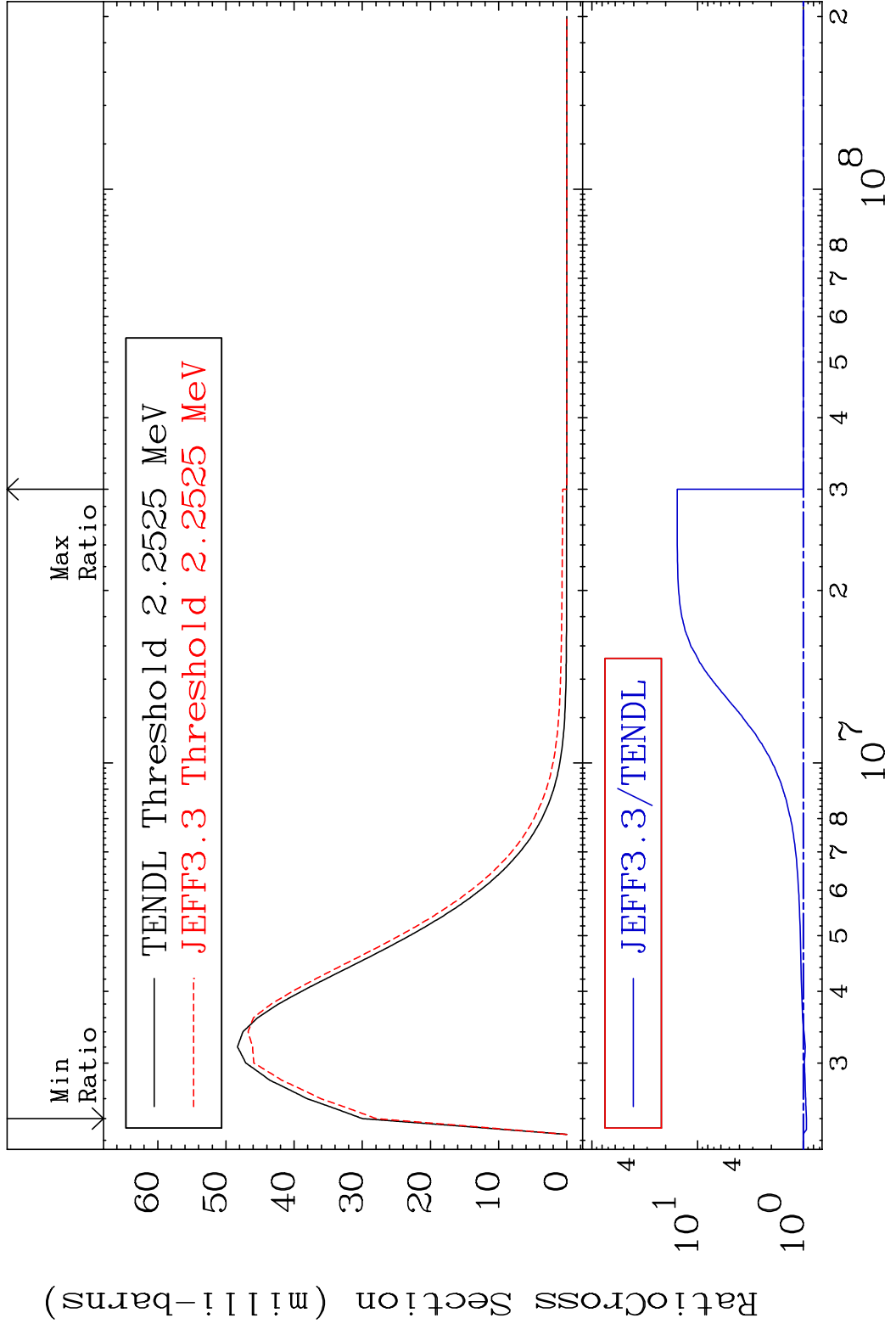
MAT 2628 MT= 57 (n, n') Level 26-Fe-55
 Cross Section -0.538 To 60.40 %



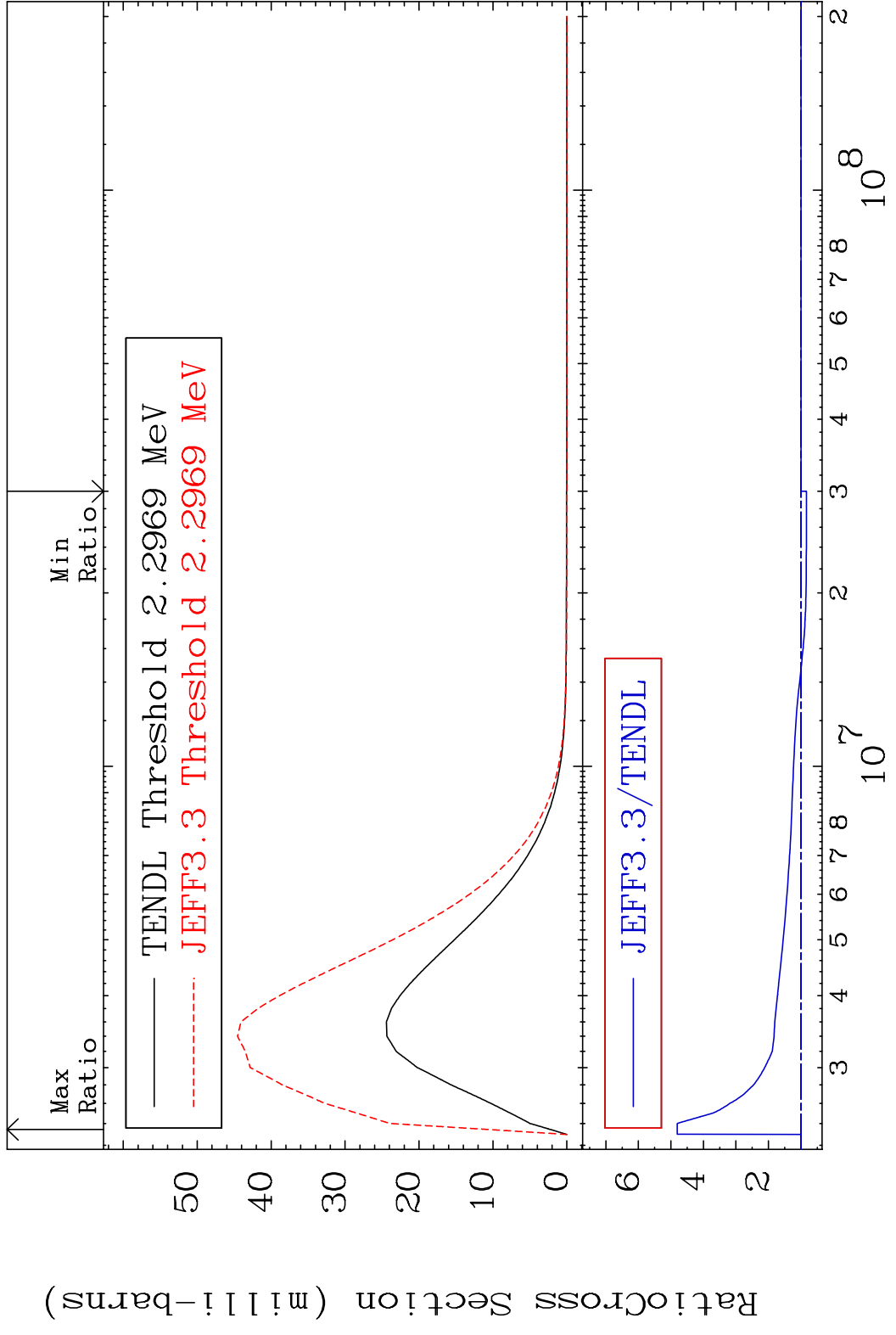
MAT 2628 MT= 58 (n, n') Level 26-Fe-55
 Cross Section -0.675 To 9.095 %



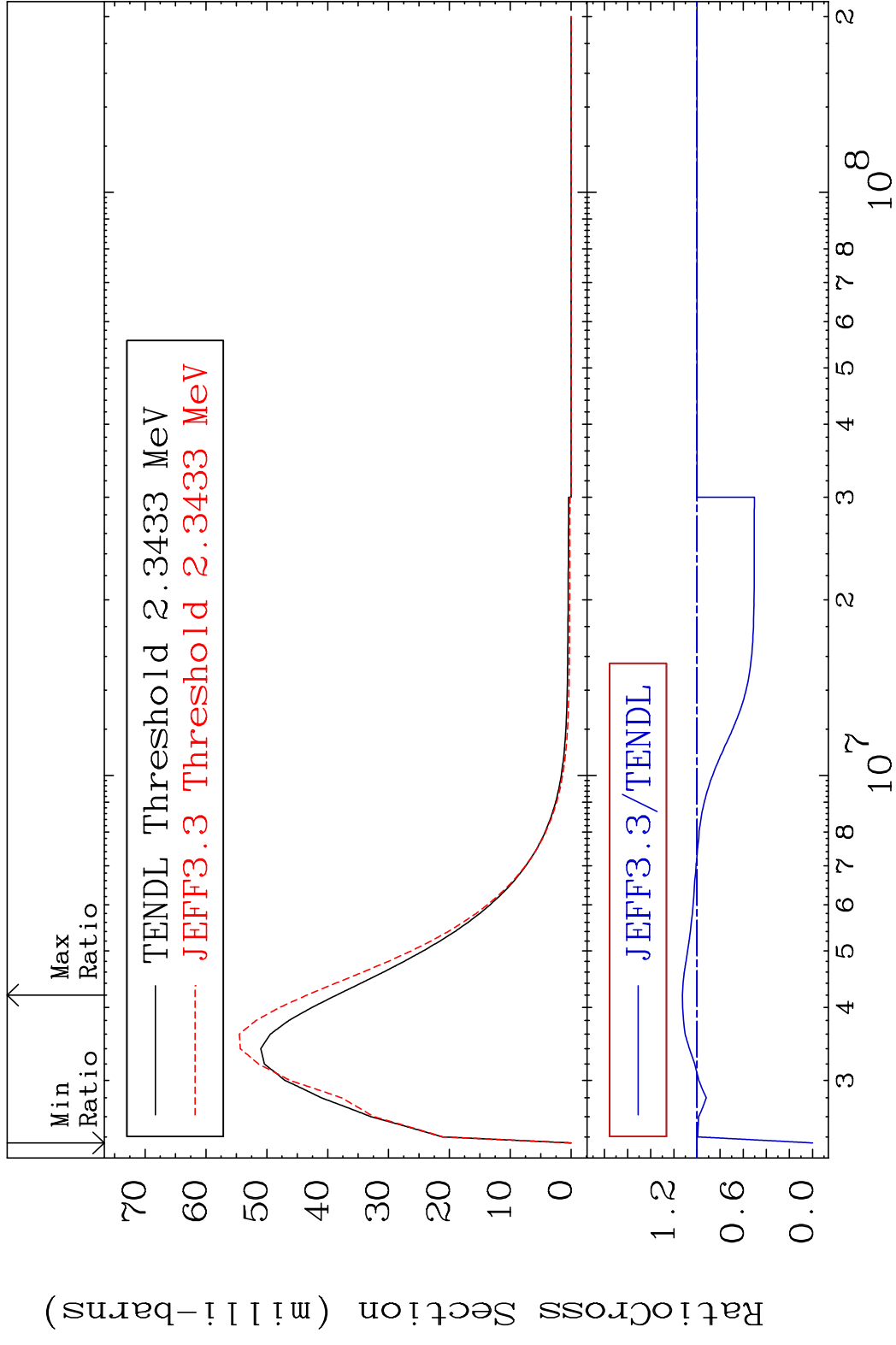
MAT 2628 MT= 59 (n, n') Level 26-Fe-55
 Cross Section -6.764 To 1457. %



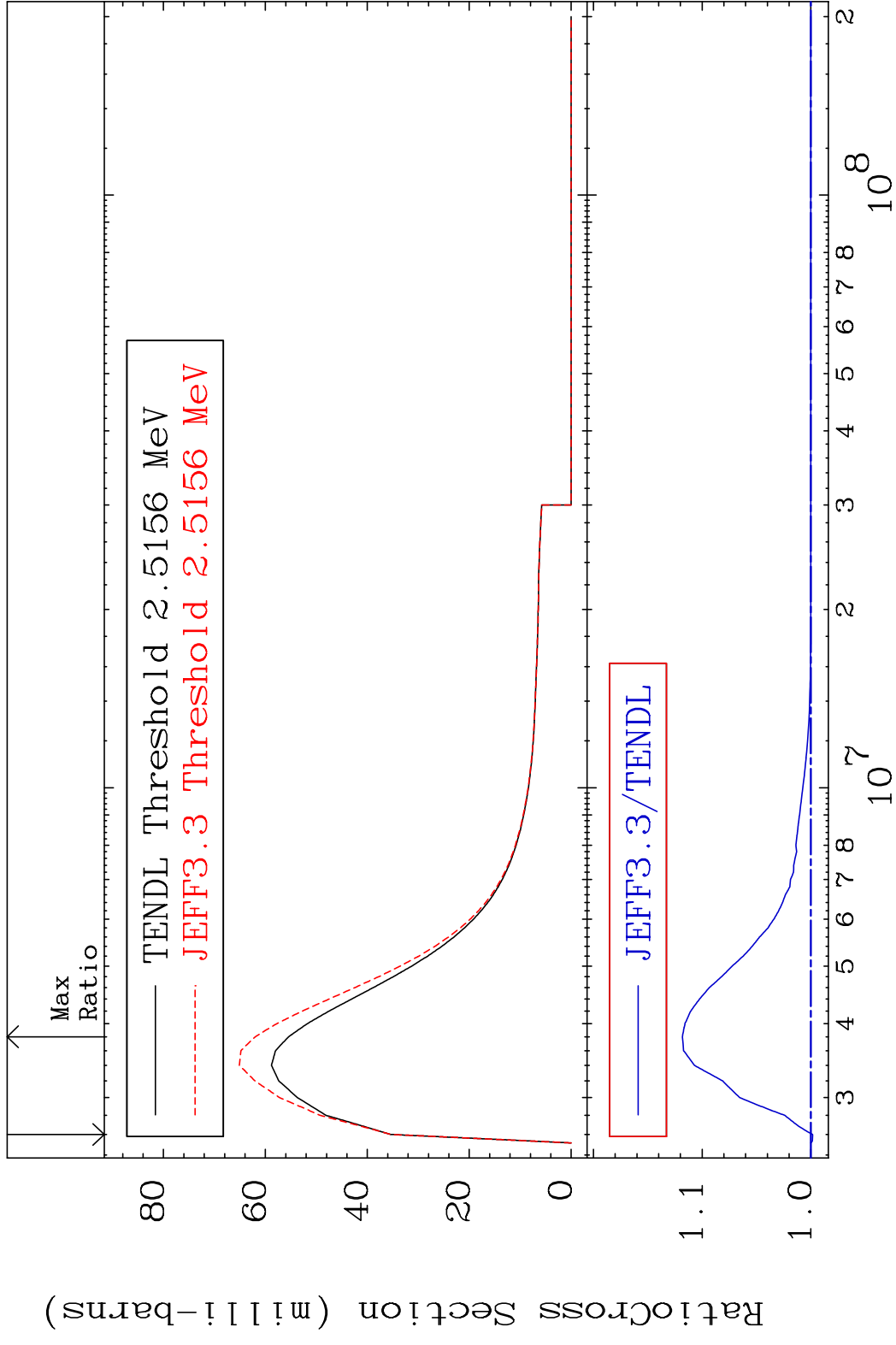
MAT 2628 MT= 60 (n, n') Level 26-Fe-55
 Cross Section -16.66 To 380.7 %



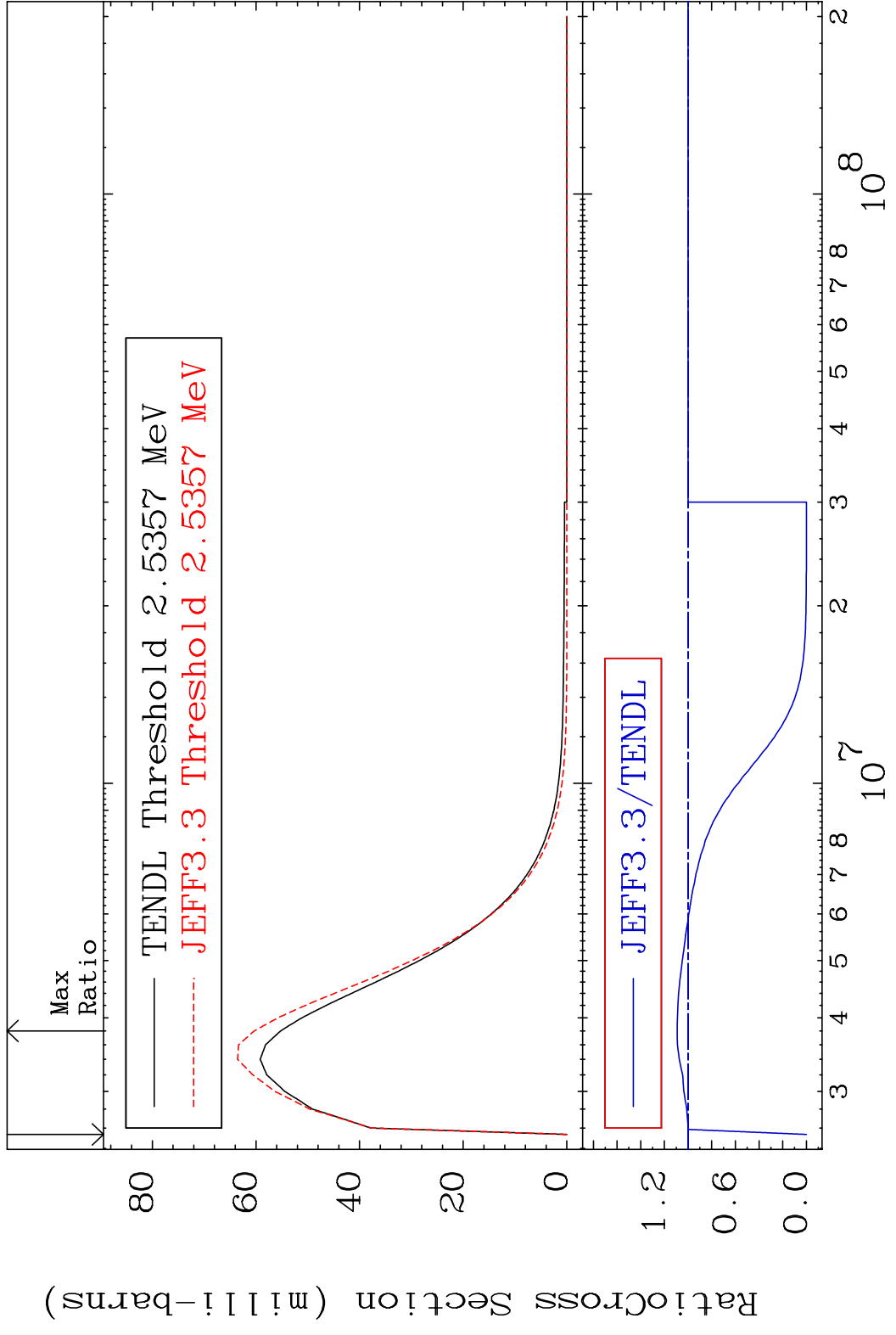
MAT 2628 MT= 61 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 12.64 %



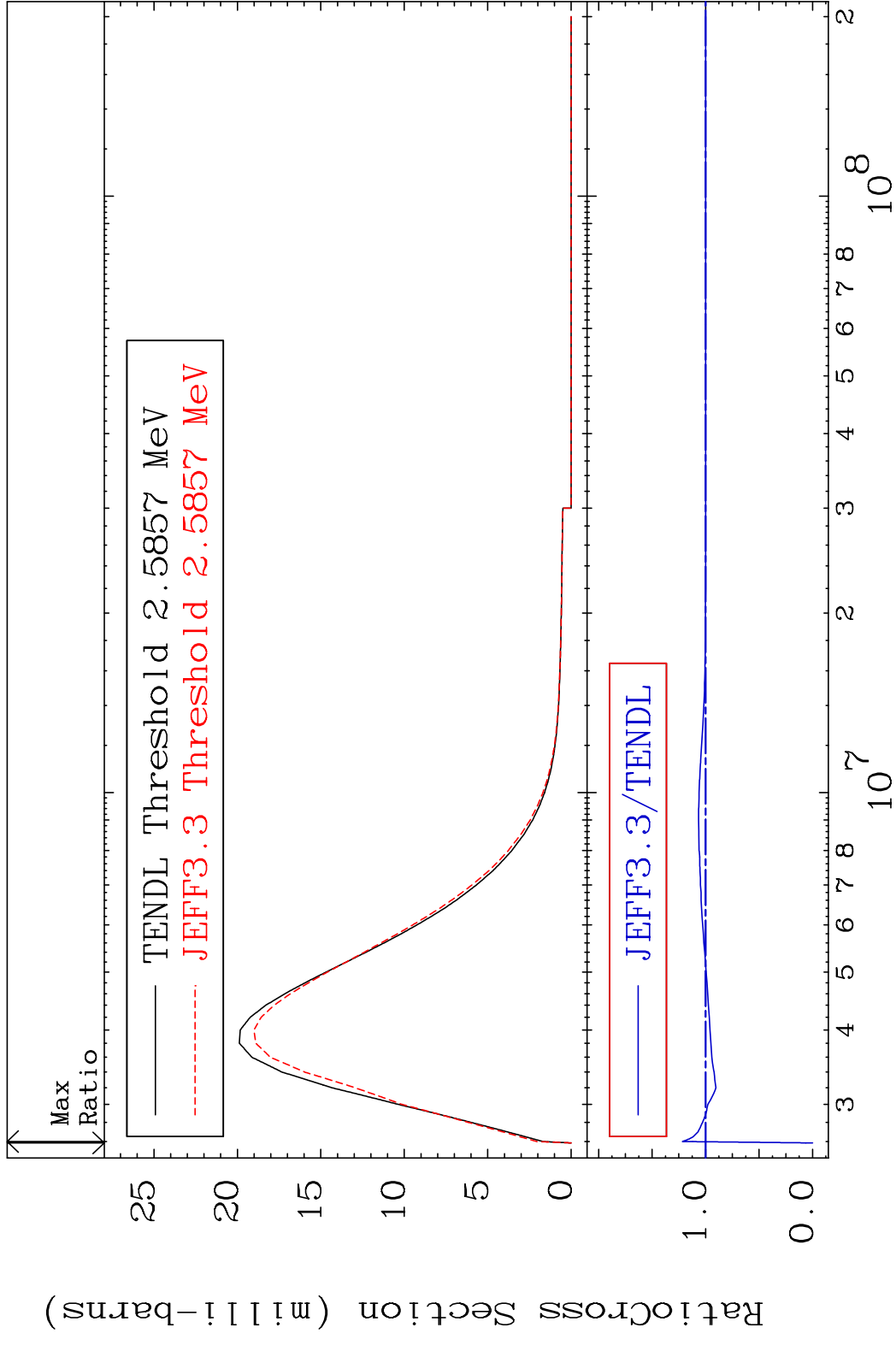
MAT 2628 MT= 62 (n, n') Level 26-Fe-55
 Cross Section -0.157 To 11.82 %



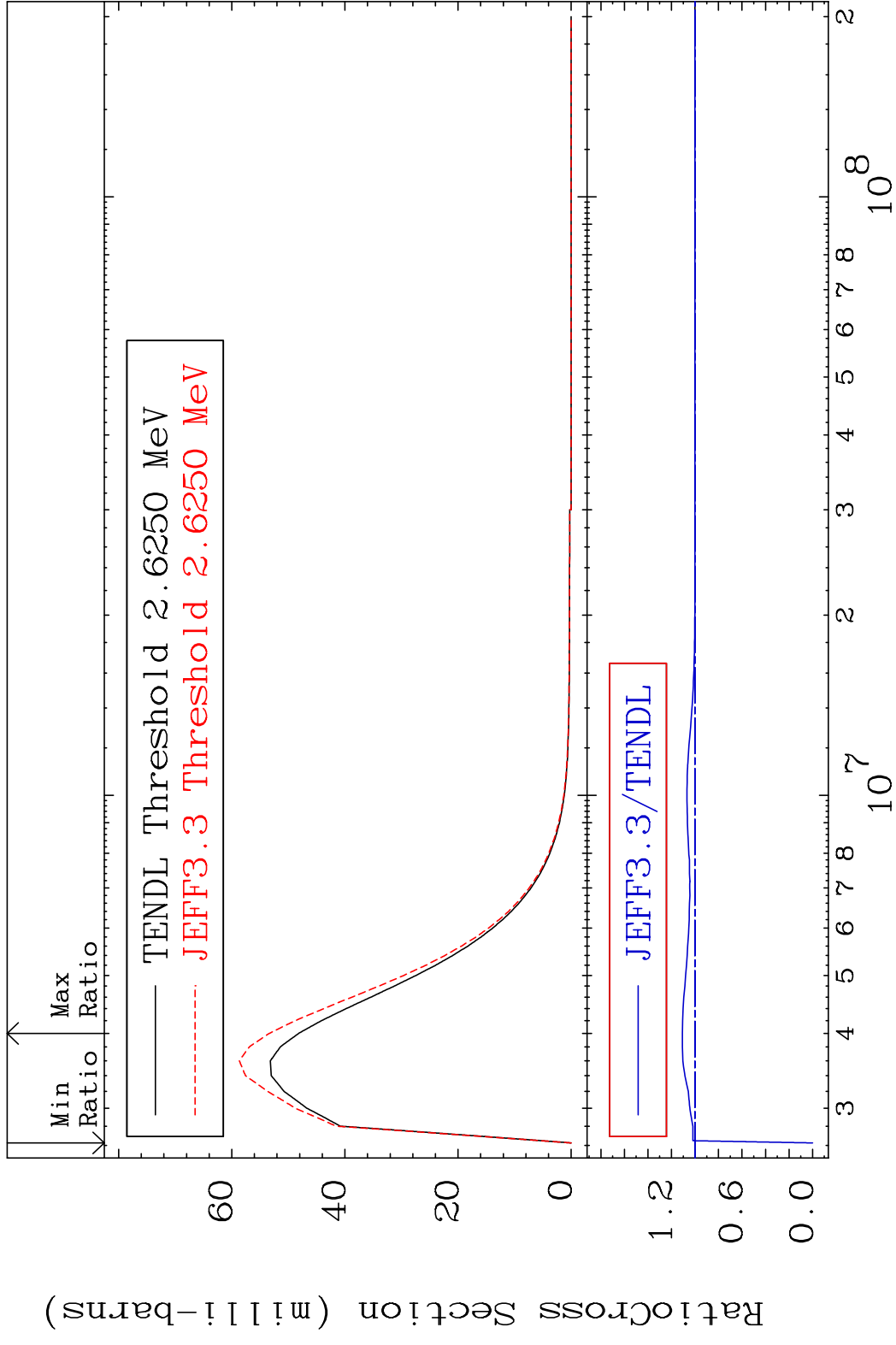
MAT 2628 MT= 63 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 9.183 %



MAT 2628 MT= 64 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 21.71 %

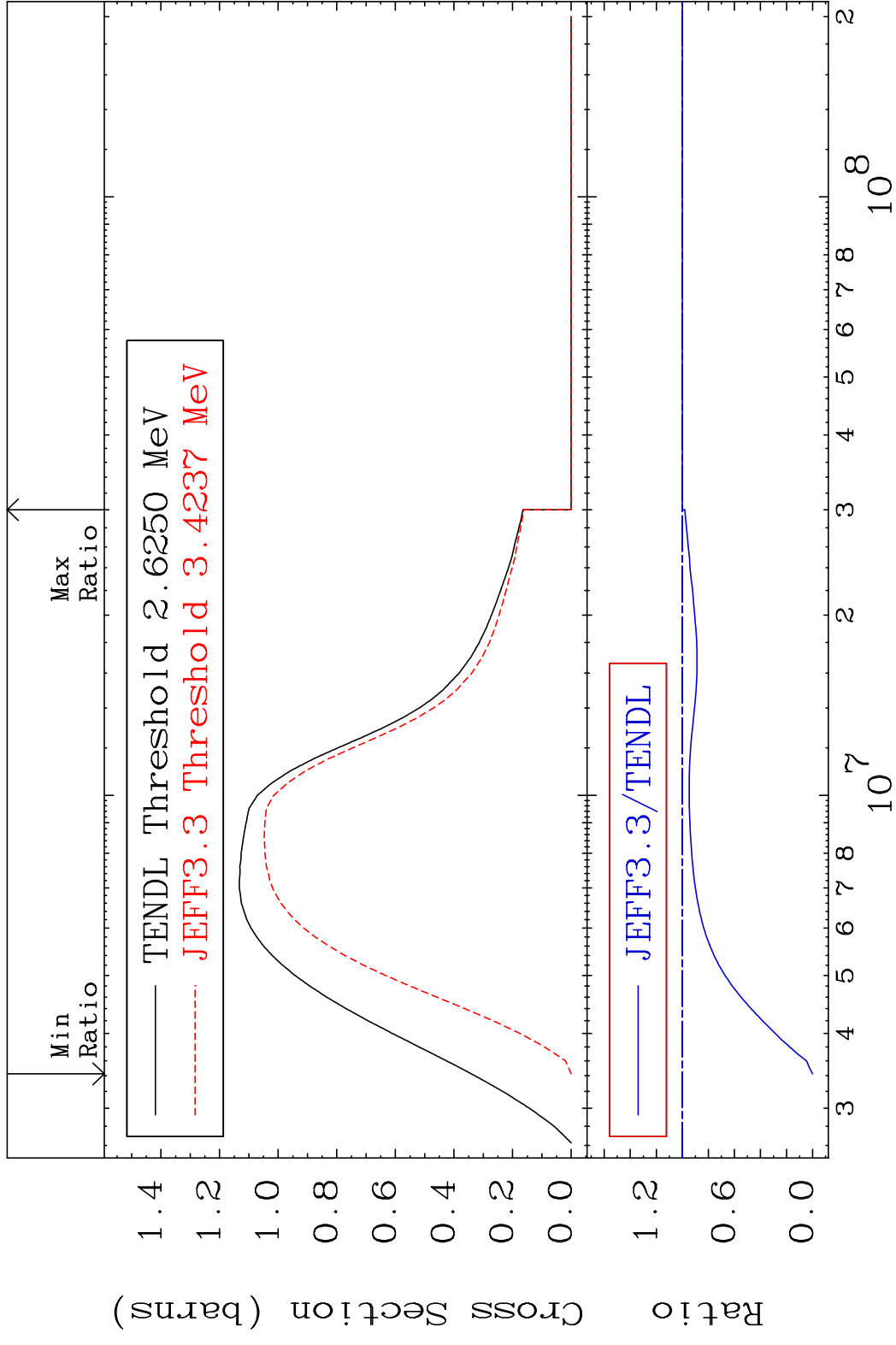


MAT 2628 MT= 65 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 10.73 %



30 Incident Energy (eV) 26-Fe-55

MAT 2628 (n,n') Continuum 26-Fe-55
 Cross Section -100.0 To 0.000 %

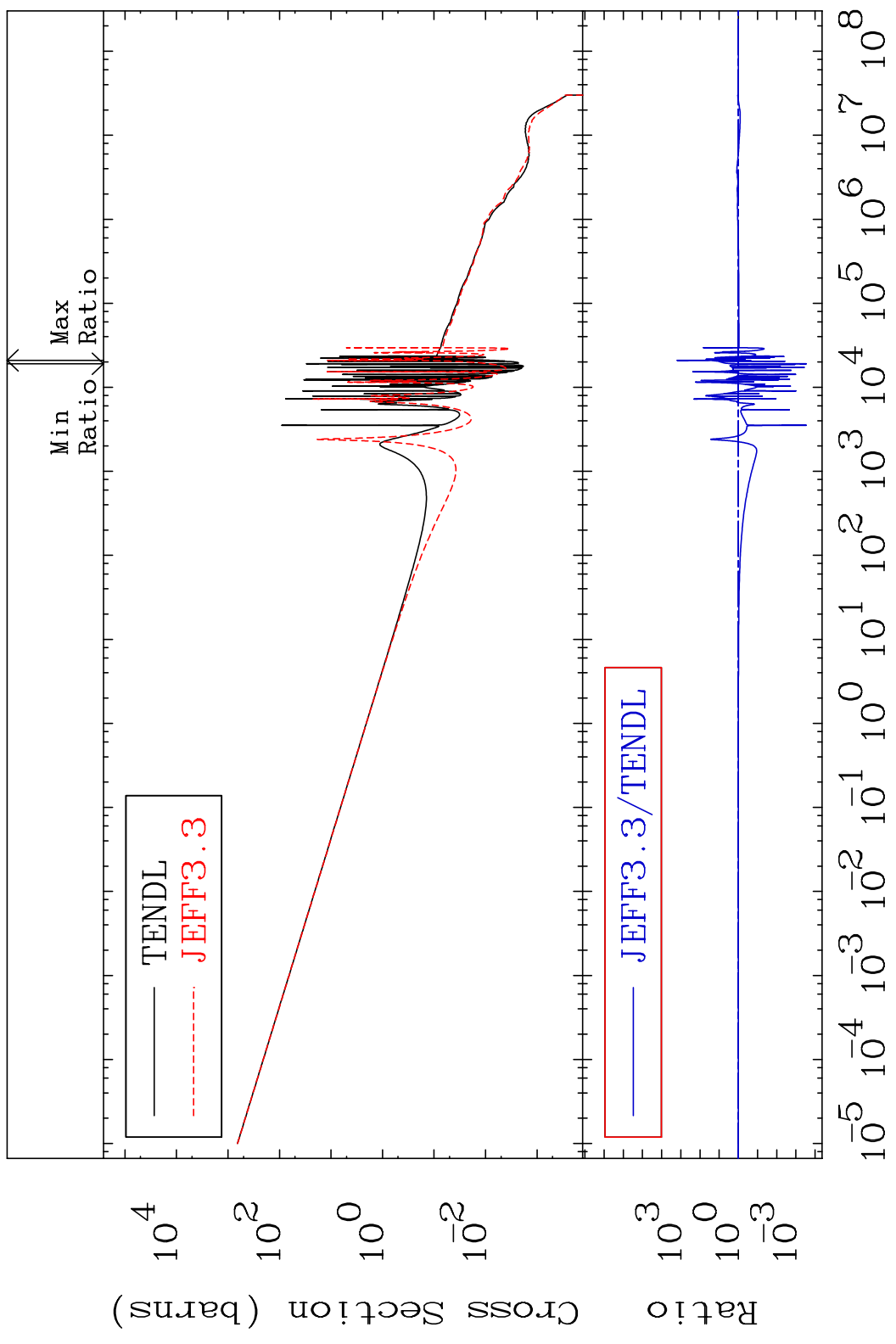


MAT 2628

(n, γ)

26-Fe-55

Cross Section -99.97 To 9999. %



32

Incident Energy (eV)

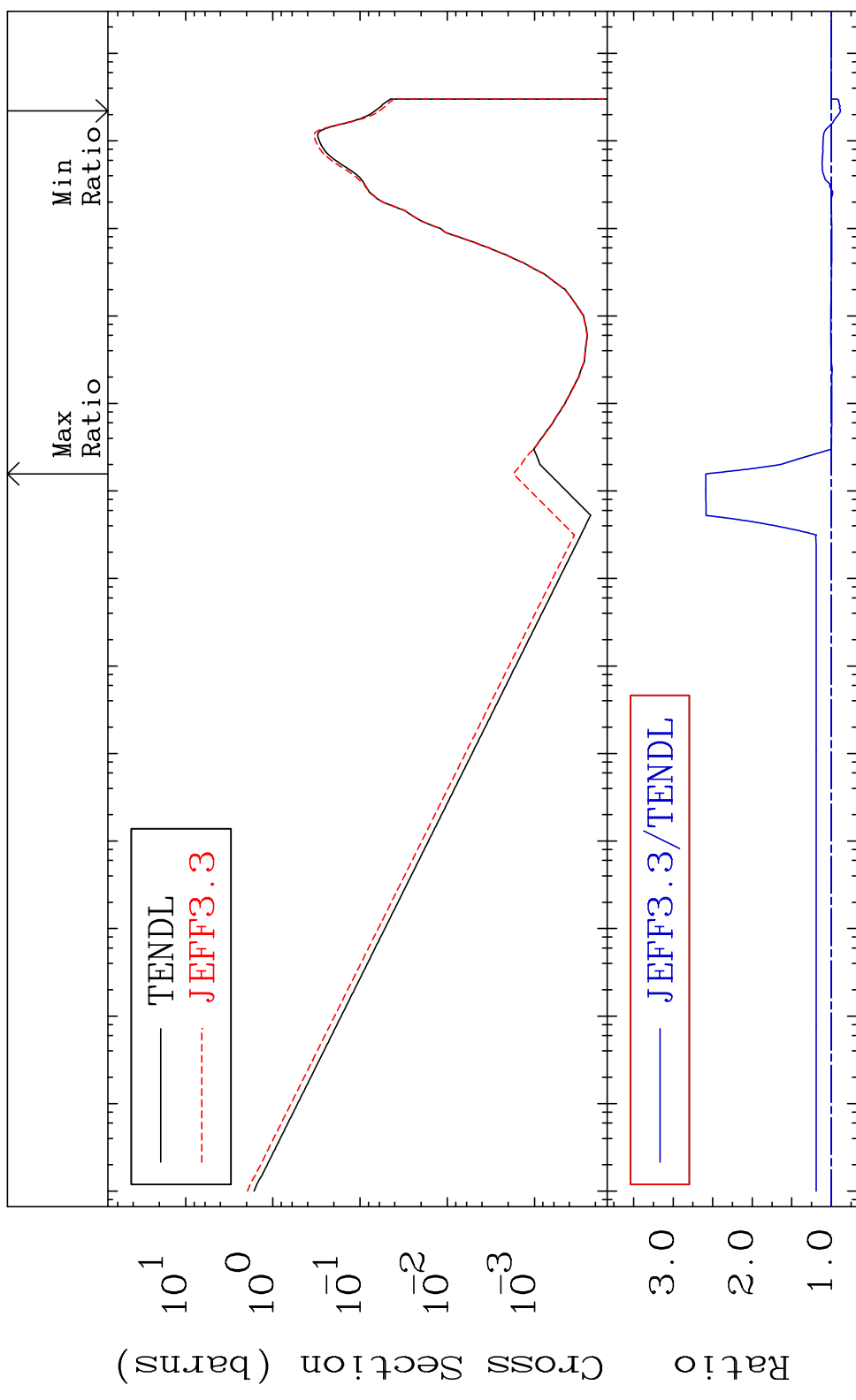
26-Fe-55

MAT 2628

(n, p)

26-Fe-55

Cross Section -11.60 To 158.7 %

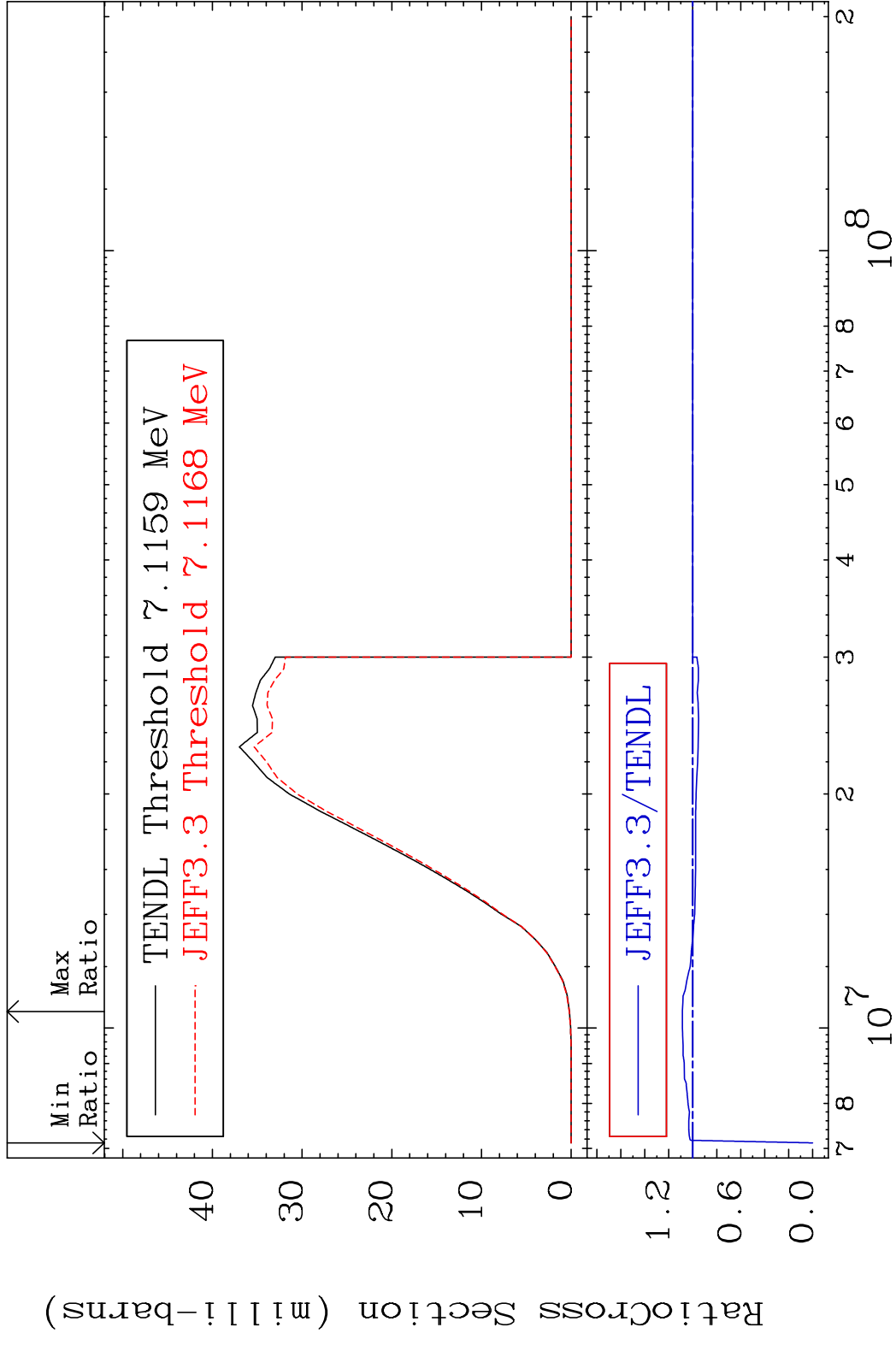


33

Incident Energy (eV)

26-Fe-55

MAT 2628 (n,d) 26-Fe-55
 Cross Section -100.0 To 8.683 %

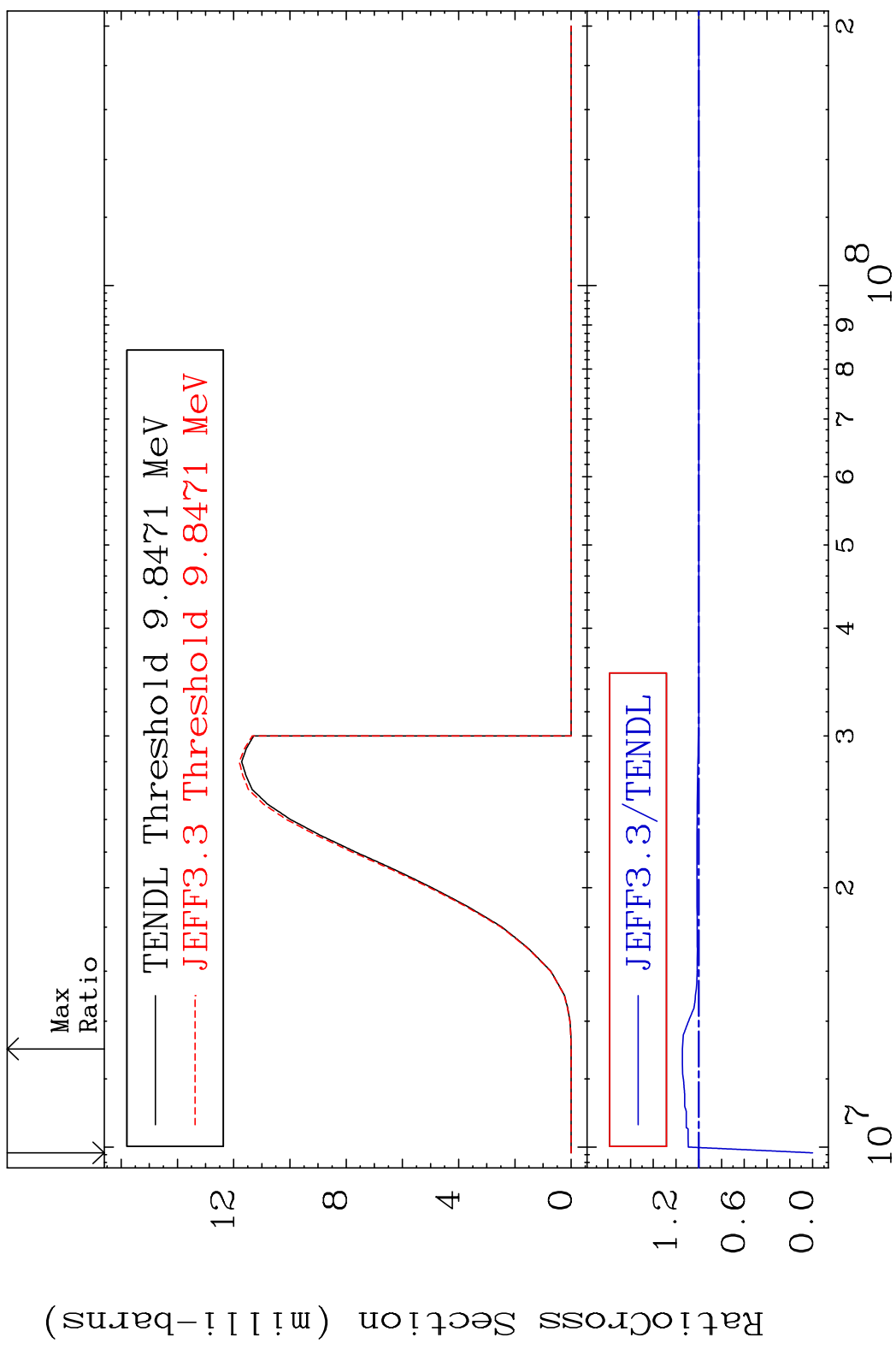


MAT 2628

(n, t)

²⁶Fe-55

Cross Section -100.0 To 14.45 %

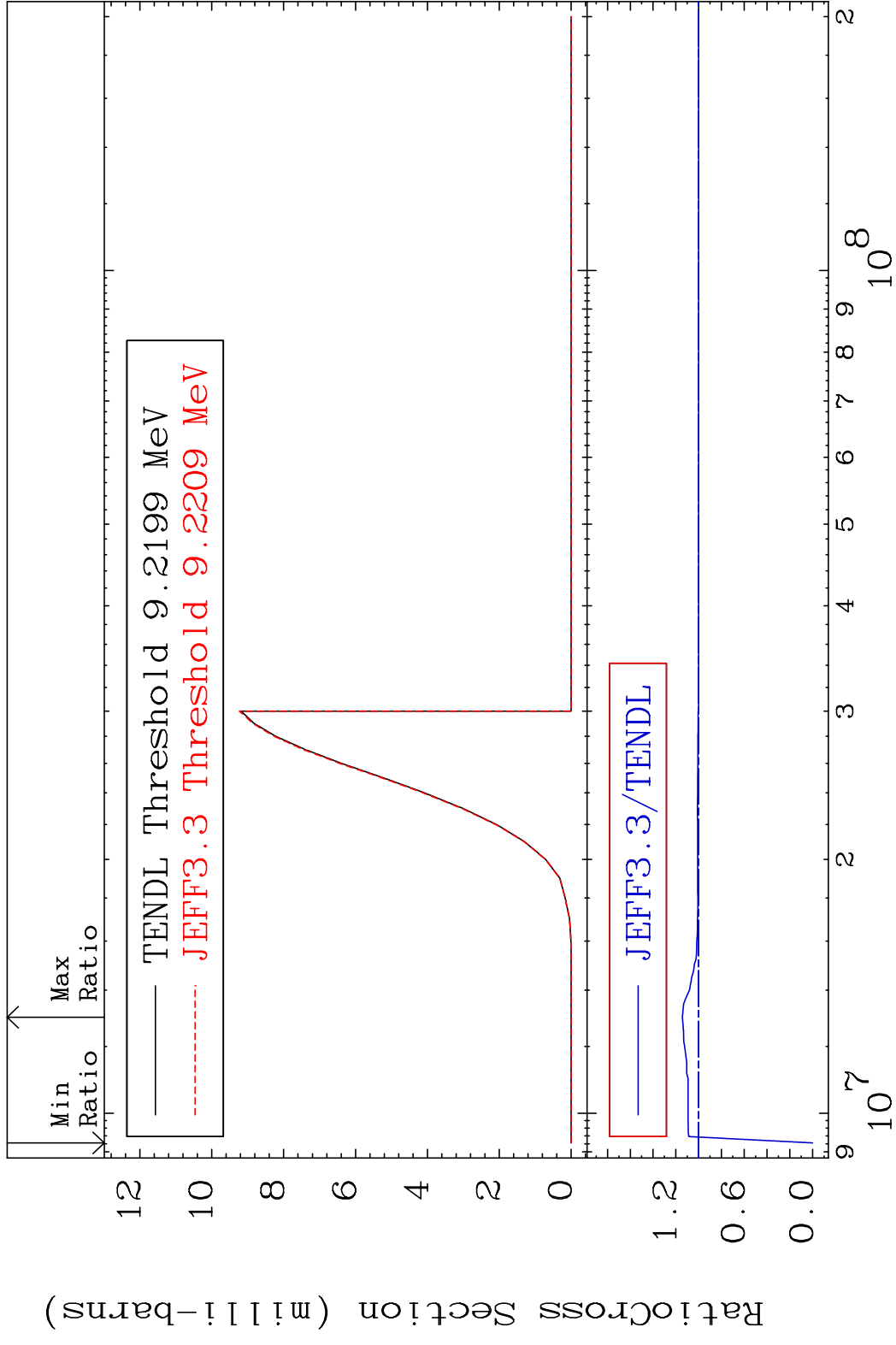


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Incident Energy (eV)

²⁶Fe-55

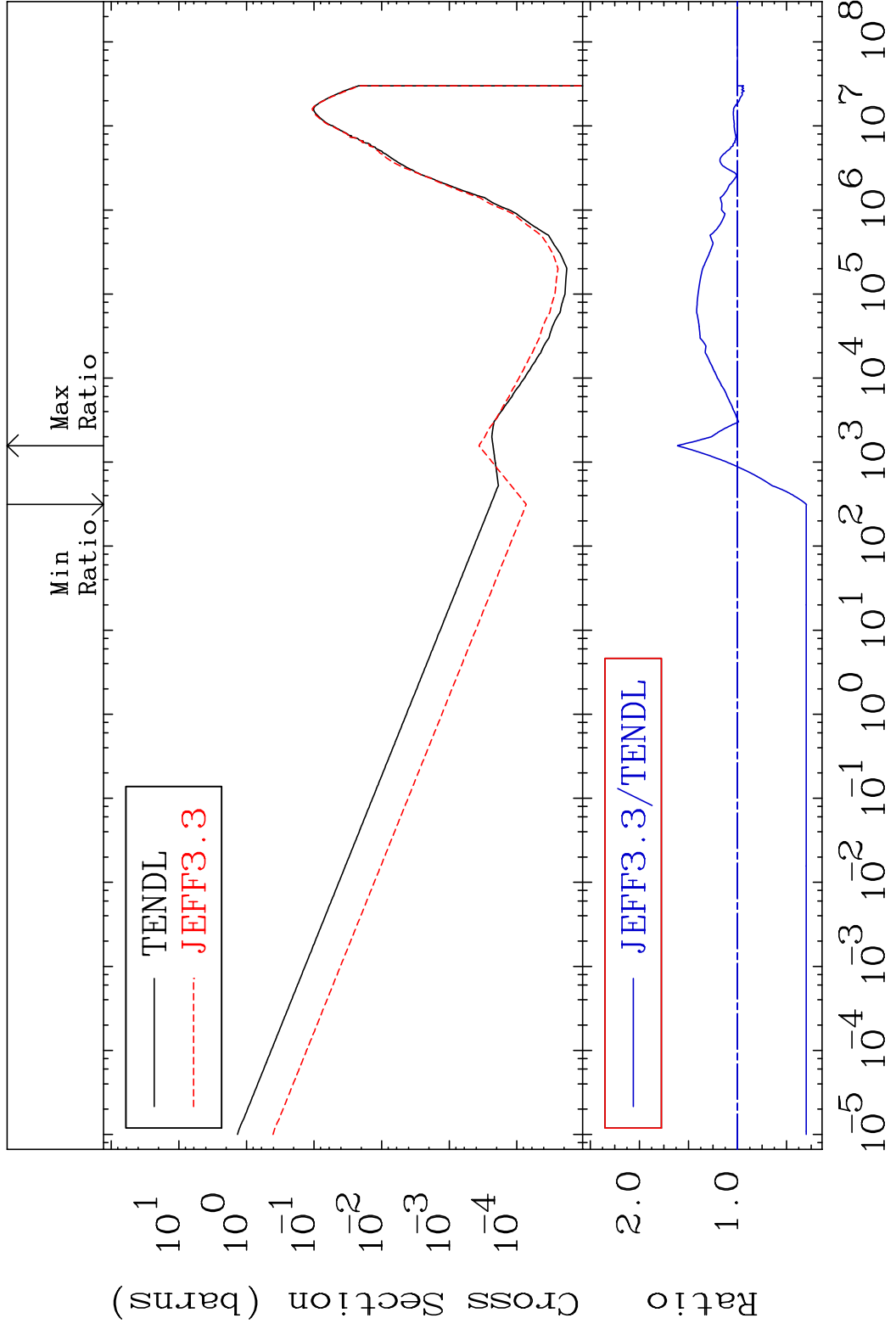
MAT 2628 (n, He-3) ²⁶Fe-55
 Cross Section -100.0 To 14.29 %



36 Incident Energy (eV) ²⁶Fe-55

MAT 2628

(n, α)
Cross Section -70.18 To 61.46 %
26-Fe-55

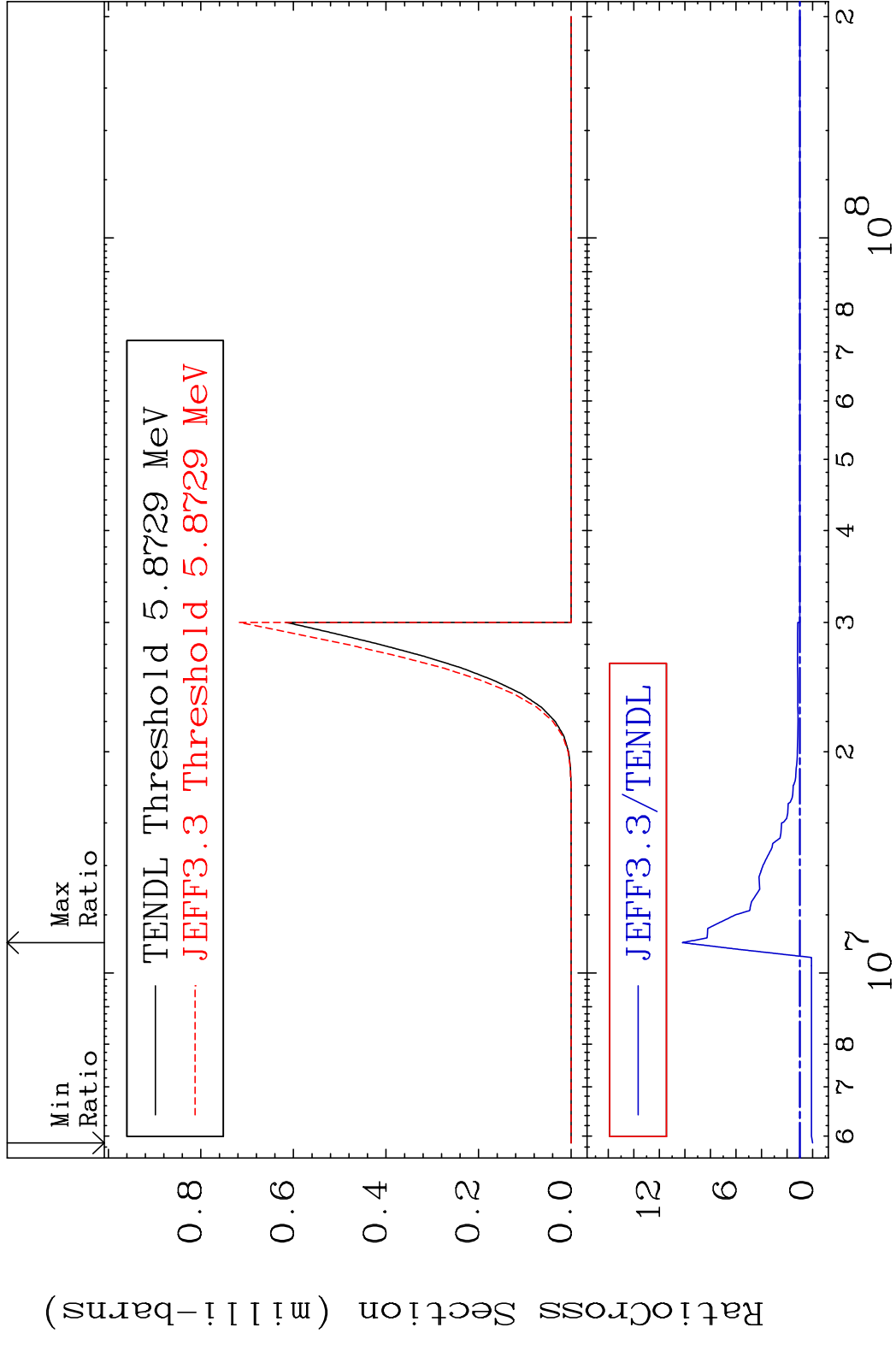


37

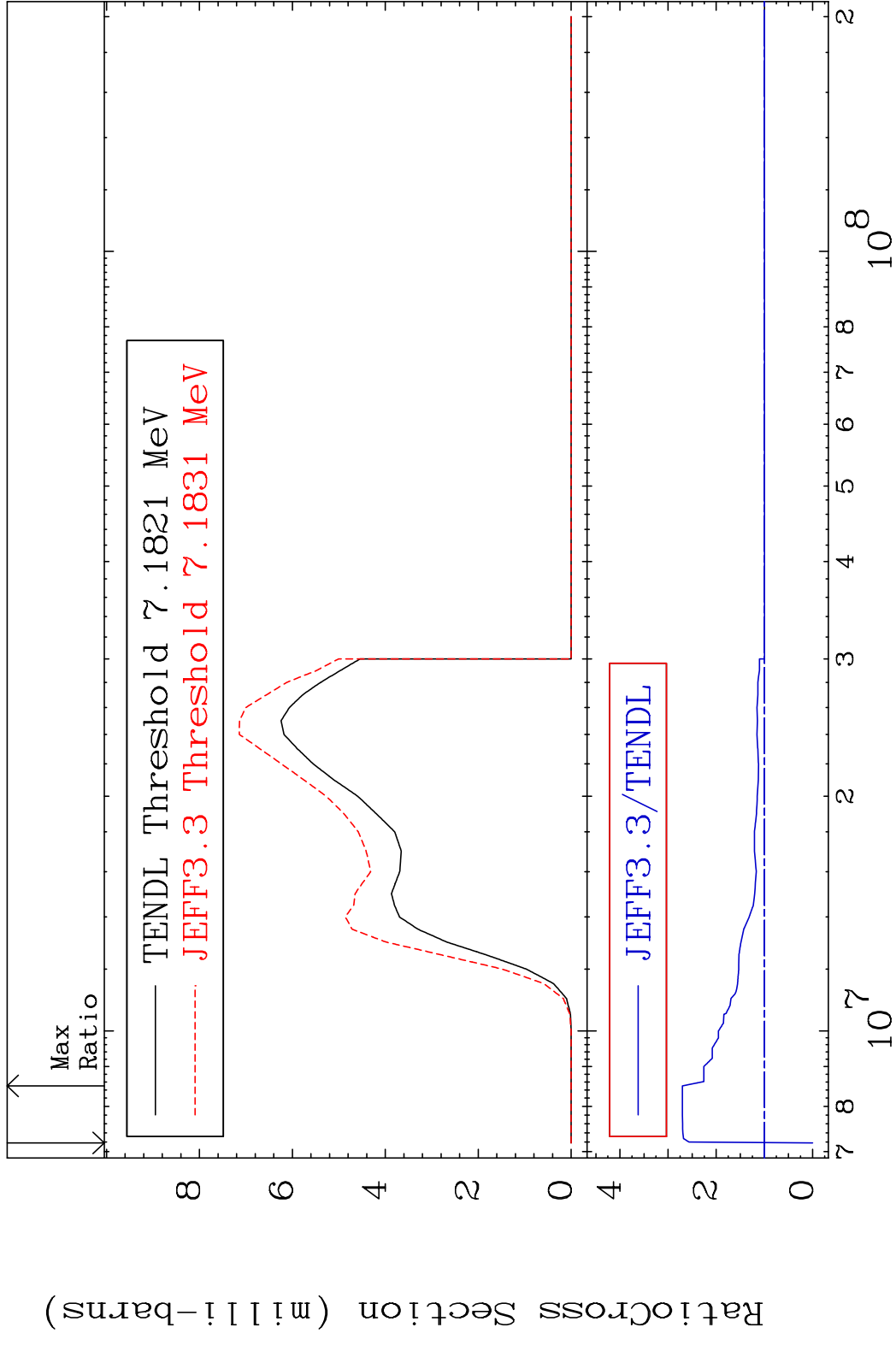
Incident Energy (eV)

26-Fe-55

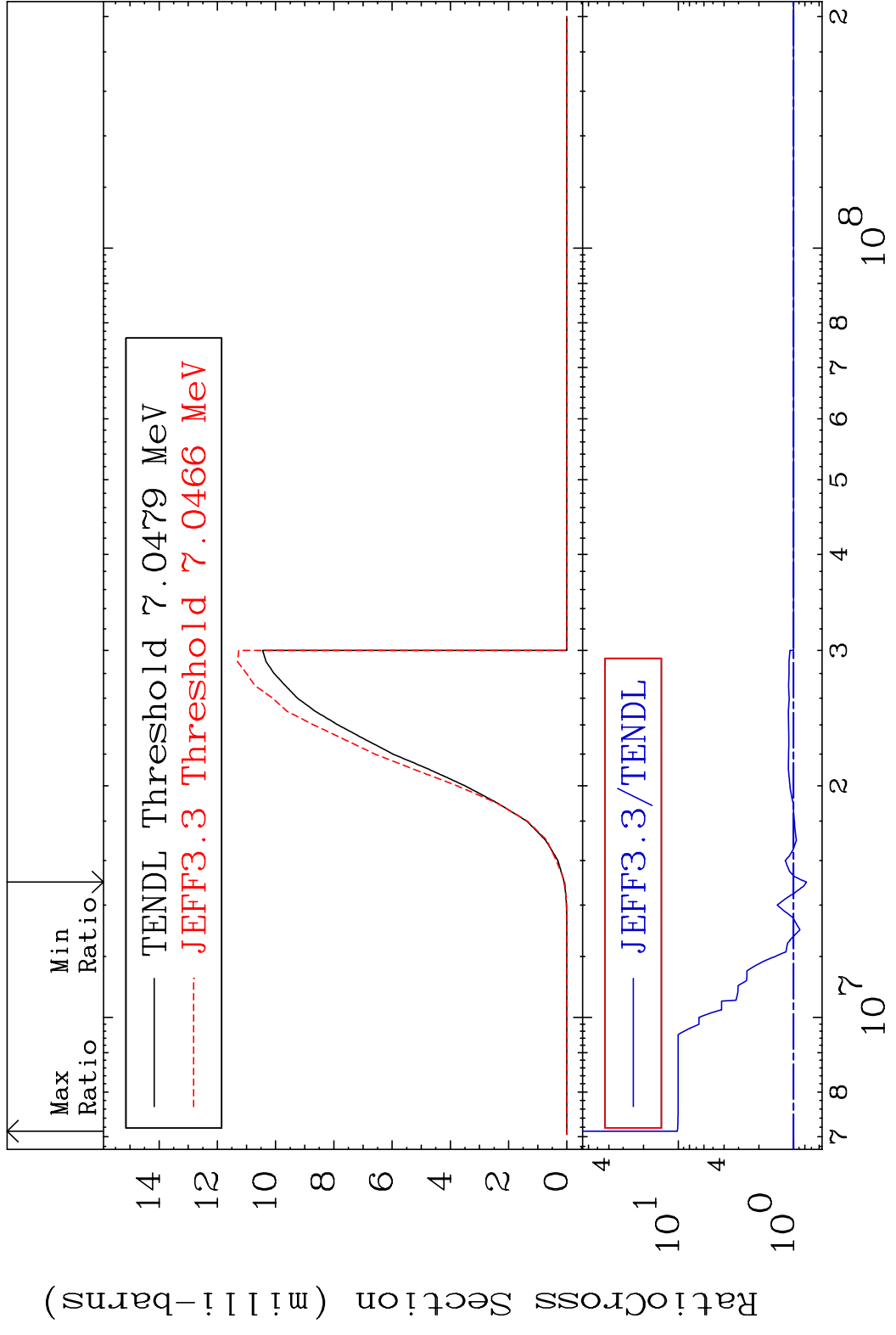
MAT 2628 (n,2α) 26-Fe-55
 Cross Section -100.0 To 919.8 %



MAT 2628 (n,2p) ²⁶Fe-55
 Cross Section -100.0 To 170.4 %



MAT 2628 (n,p) α $^{26}\text{Fe-55}$
 Cross Section -22.51 To 921.5 %



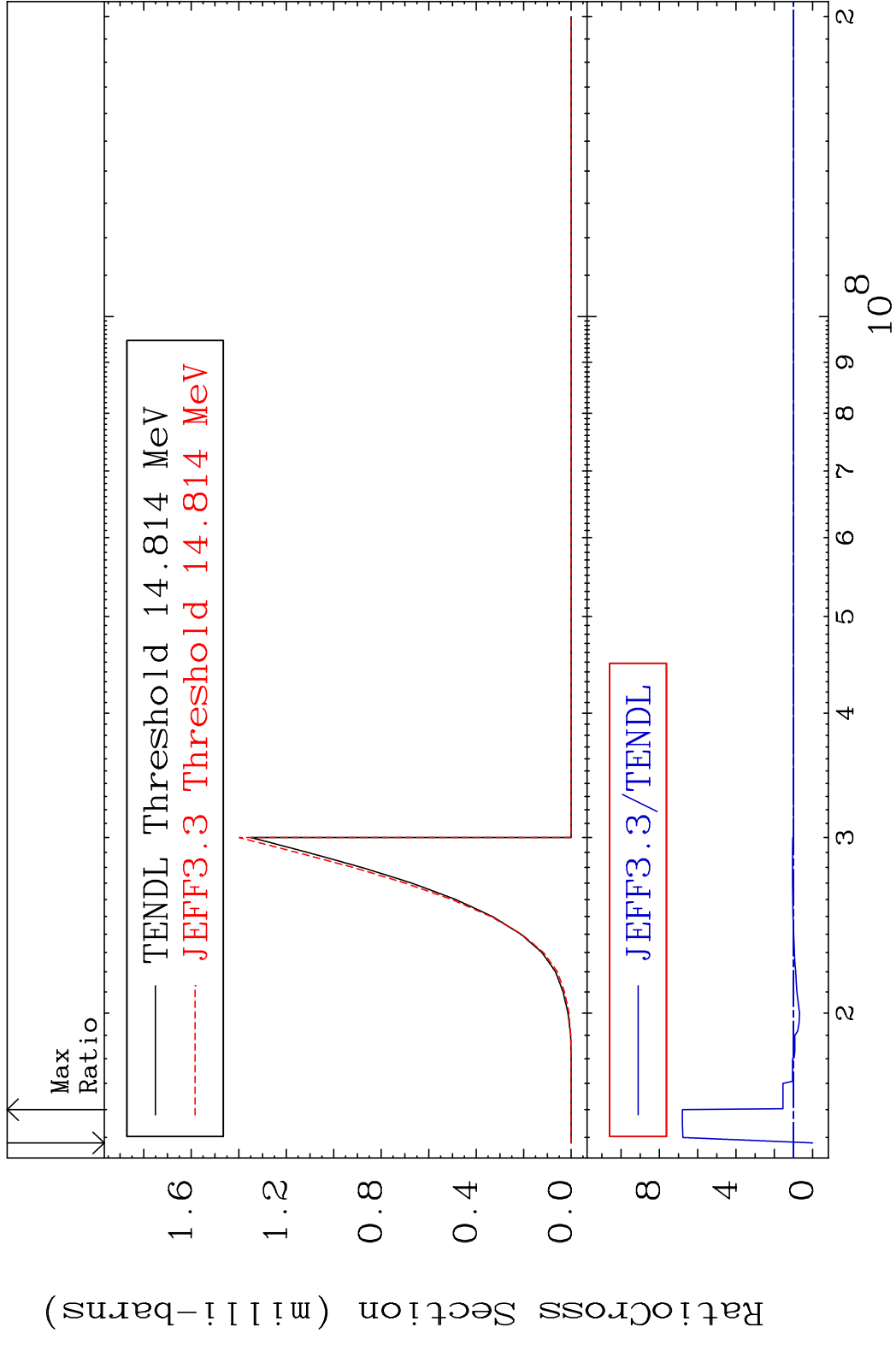
40 Incident Energy (eV) $^{26}\text{Fe-55}$

MAT 2628

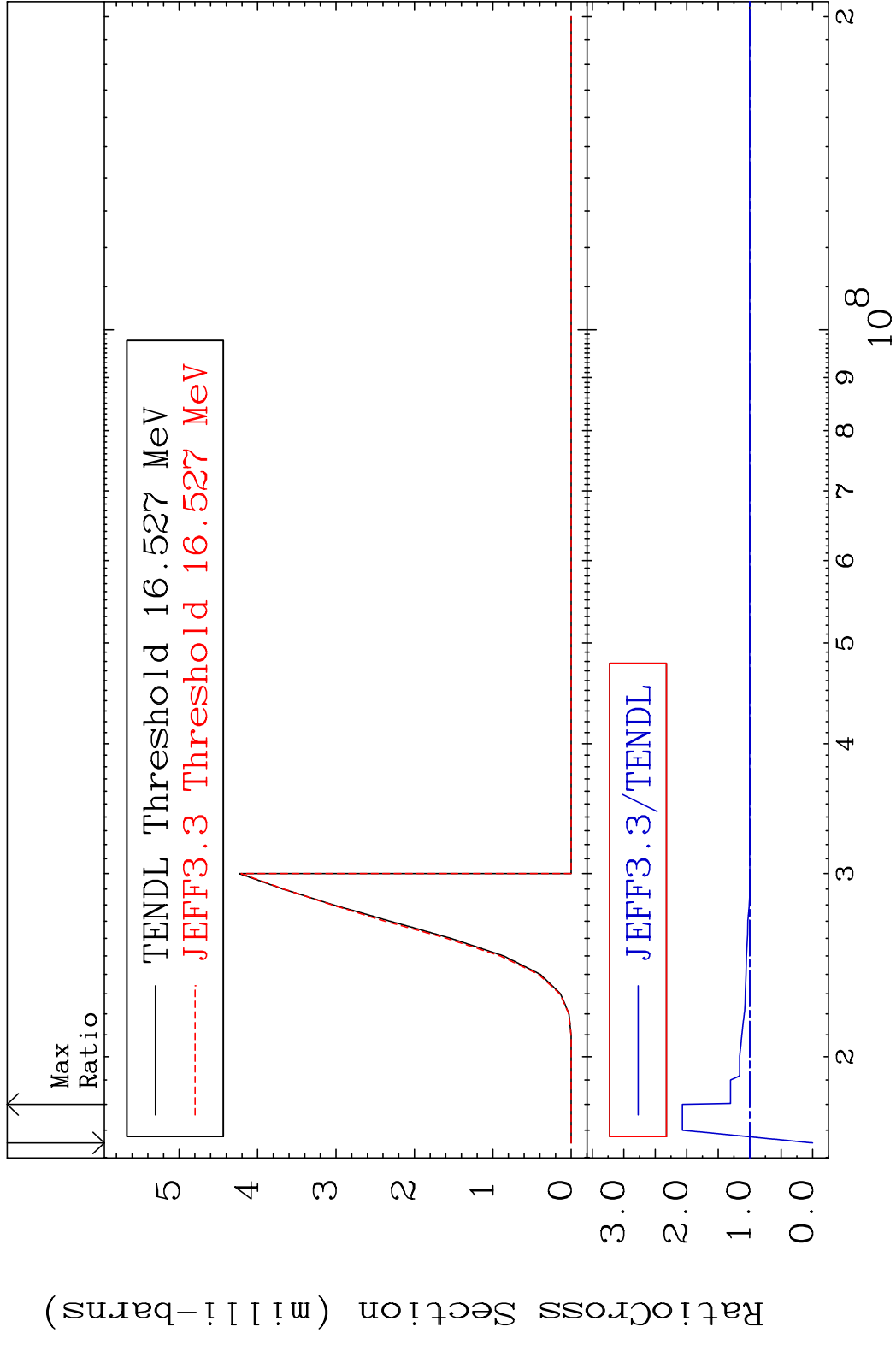
(n,p) d

²⁶Fe-55

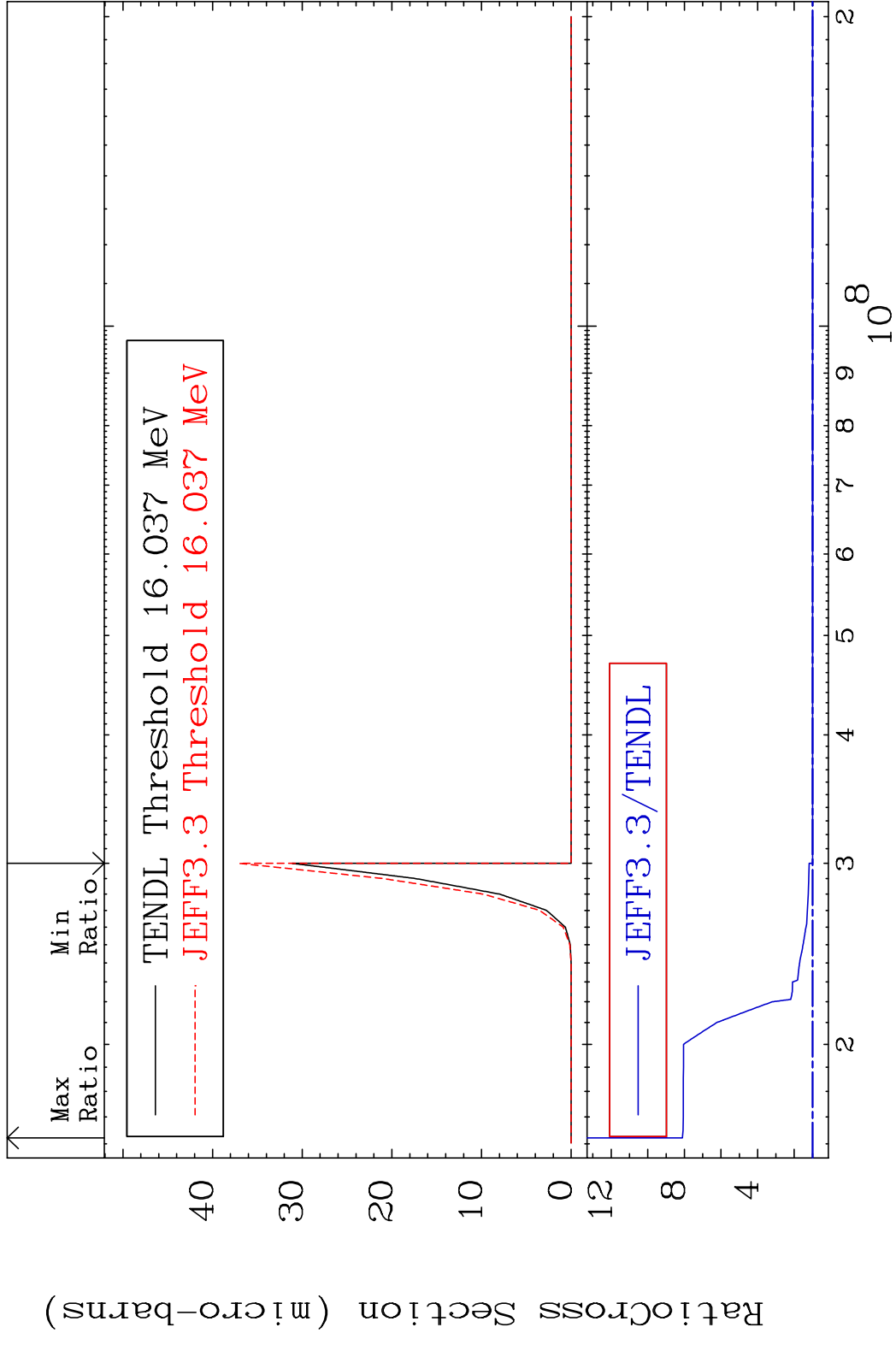
Cross Section -100.0 To 579.5 %



MAT 2628 (n,p) t 26-Fe-55
 Cross Section -100.0 To 107.0 %



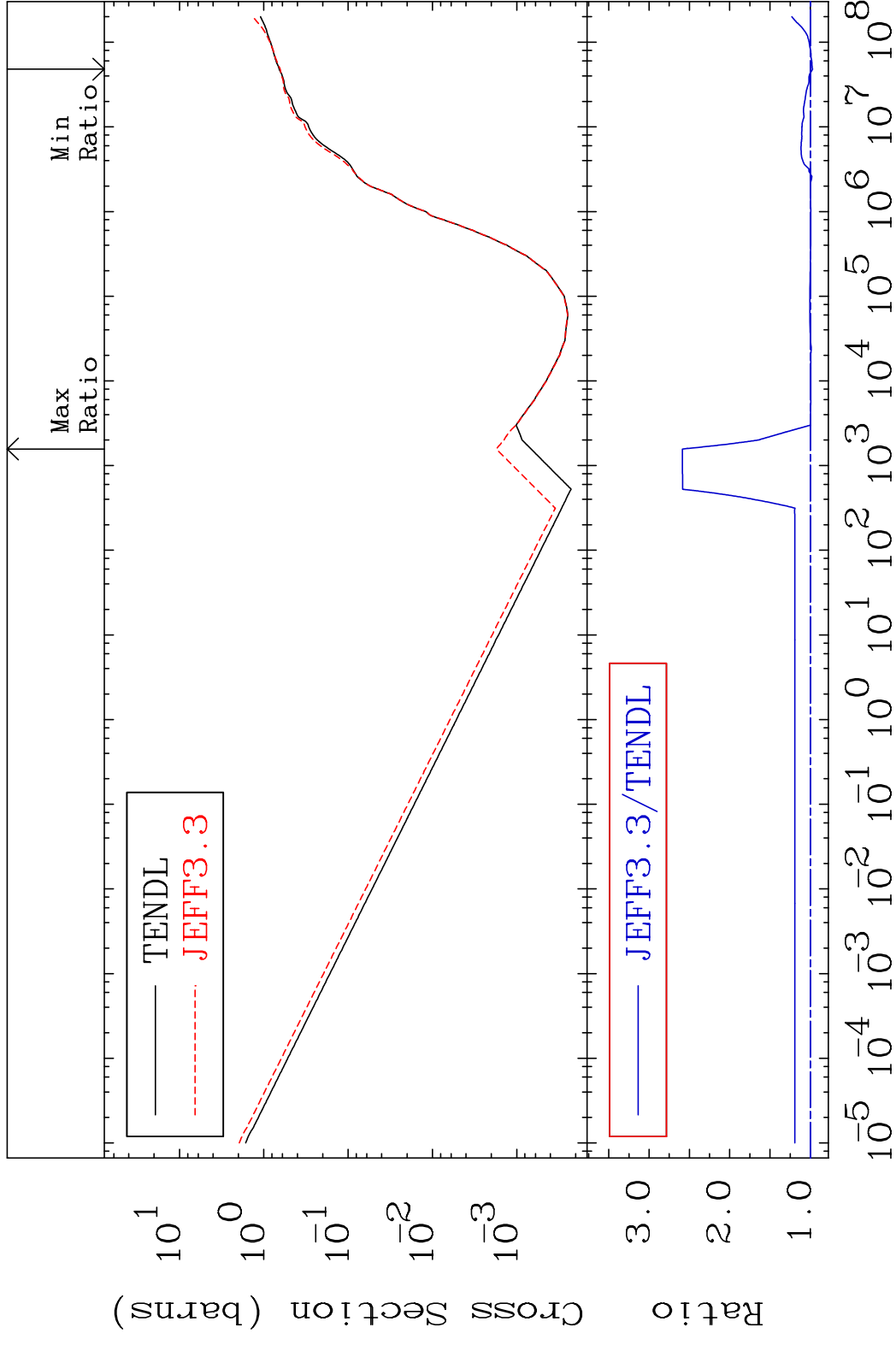
MAT 2628 (n,d) α 26-Fe-55
 Cross Section 0.000 To 711.1 %



MAT 2628

Hydrogen Production
Cross Section -2.794 To 158.7 %

26-Fe-55



44

Incident Energy (eV)

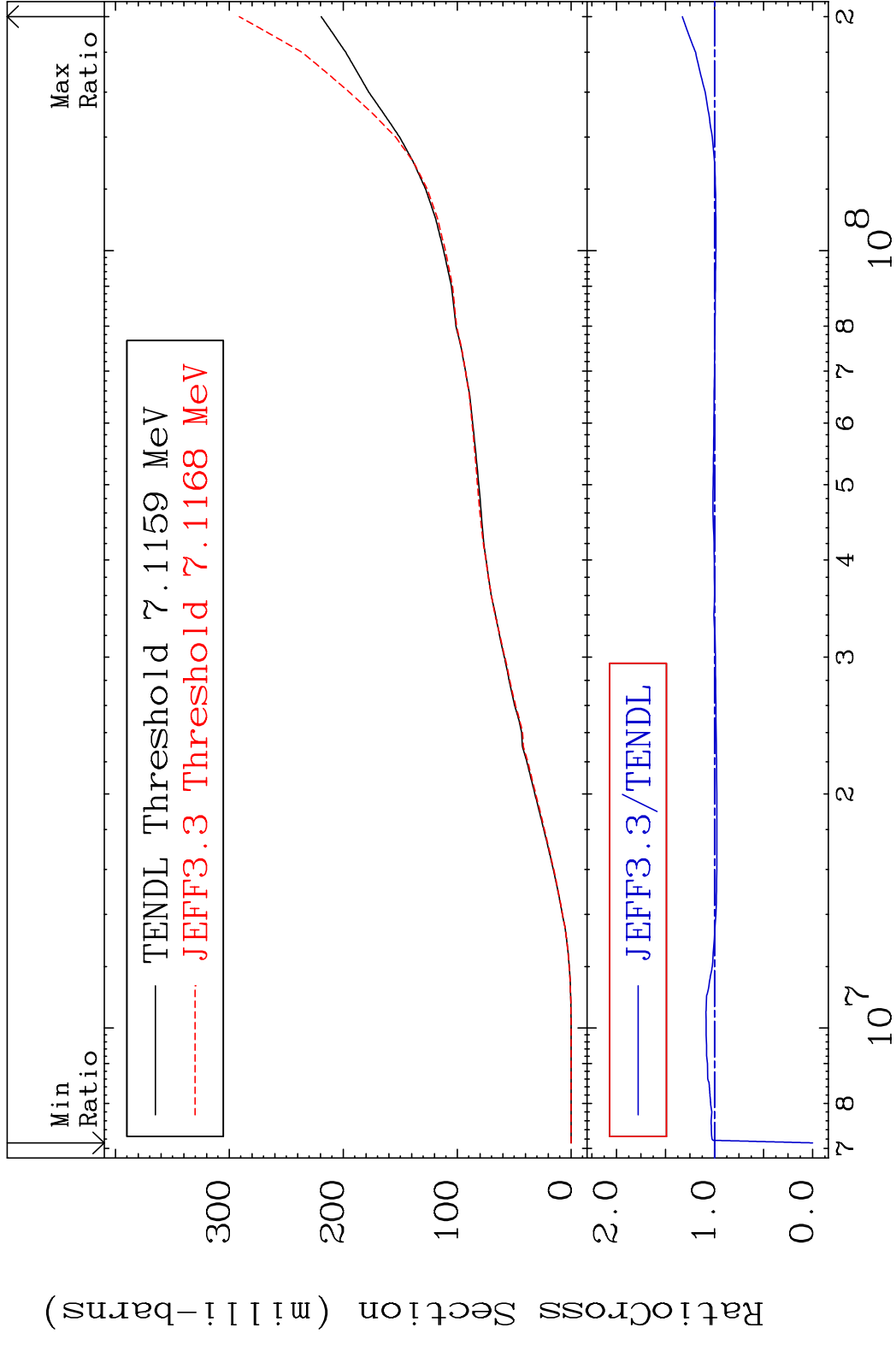
26-Fe-55

MAT 2628

Deuterium Production

²⁶Fe-55

Cross Section -100.0 To 32.77 %



45

Incident Energy (eV)

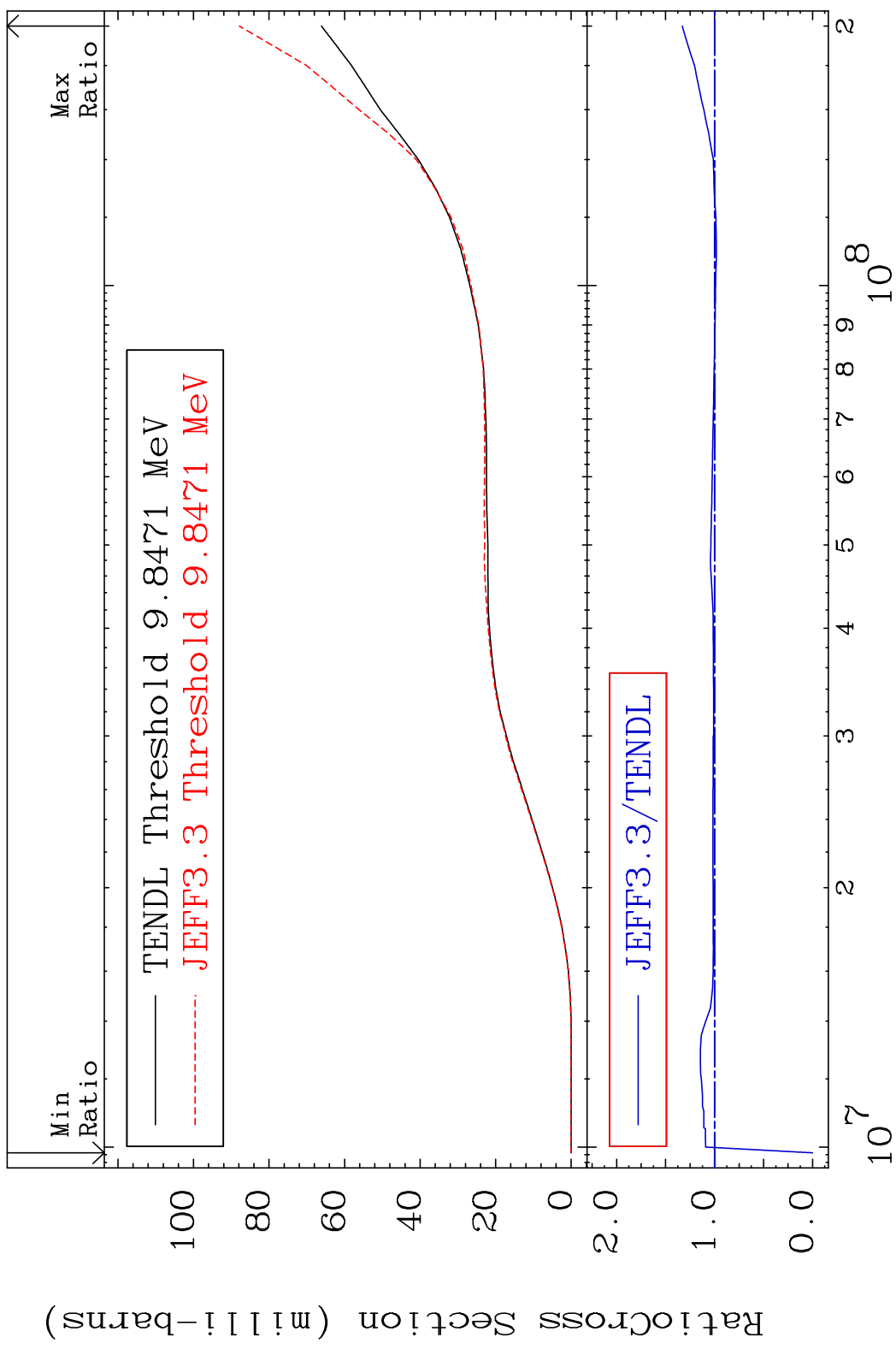
²⁶Fe-55

MAT 2628

Tritium Production

²⁶Fe-55

Cross Section -100.0 To 32.91 %

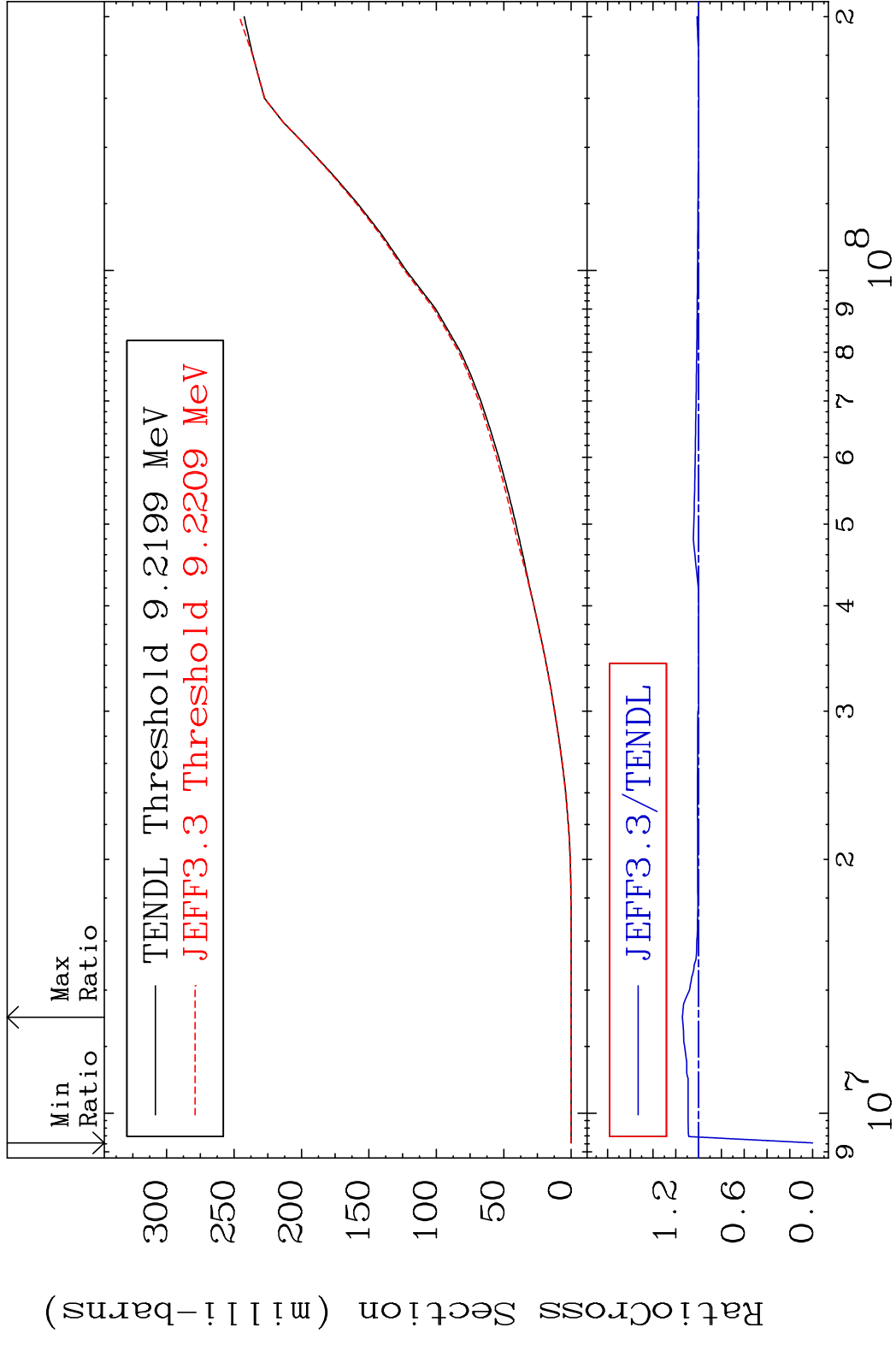


46

Incident Energy (eV)

²⁶Fe-55

MAT 2628 He-3 Production 26-Fe-55
 Cross Section -100.0 To 14.29 %



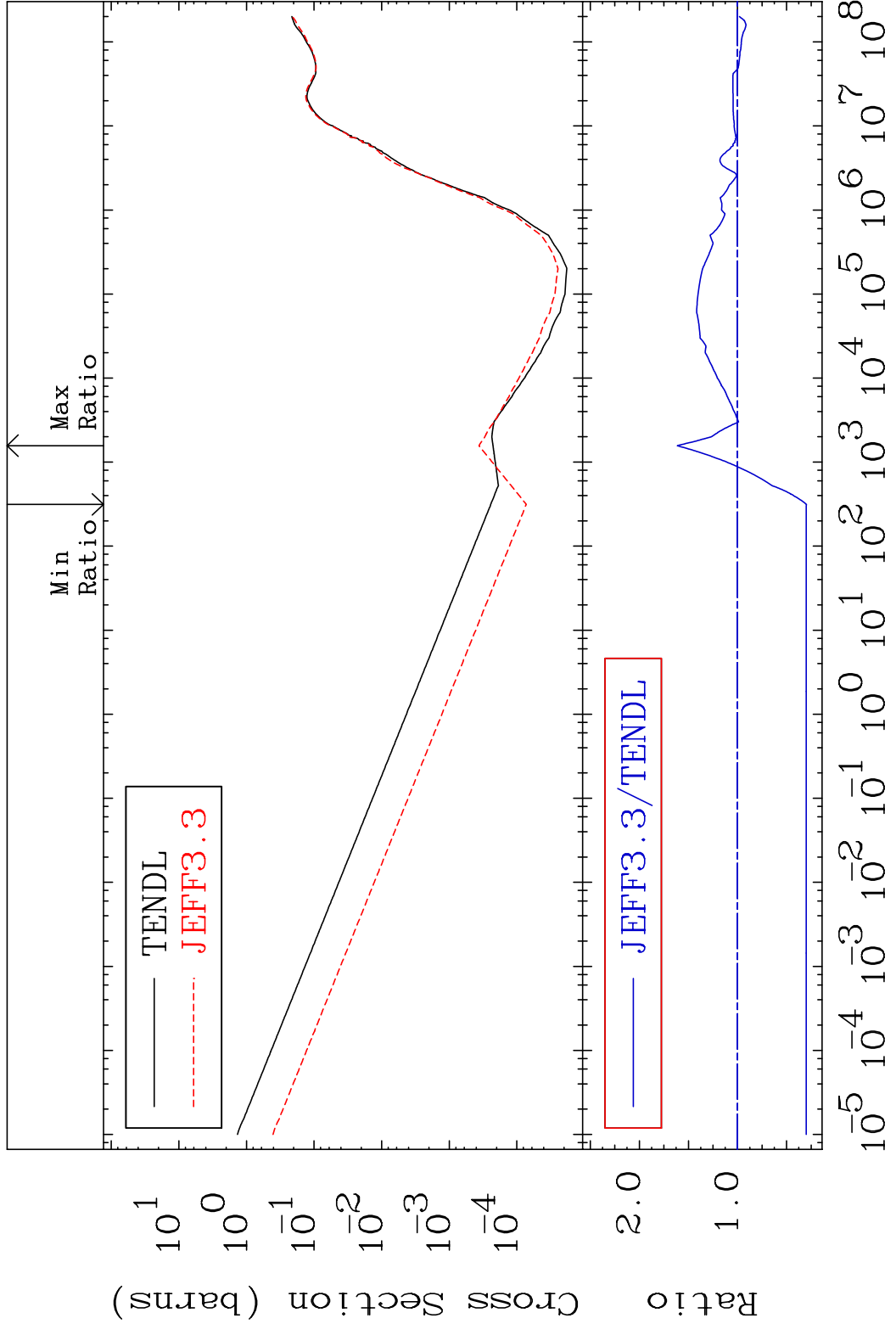
47 Incident Energy (eV) 26-Fe-55

MAT 2628

He-4 Production

²⁶Fe-55

Cross Section -70.18 To 61.46 %



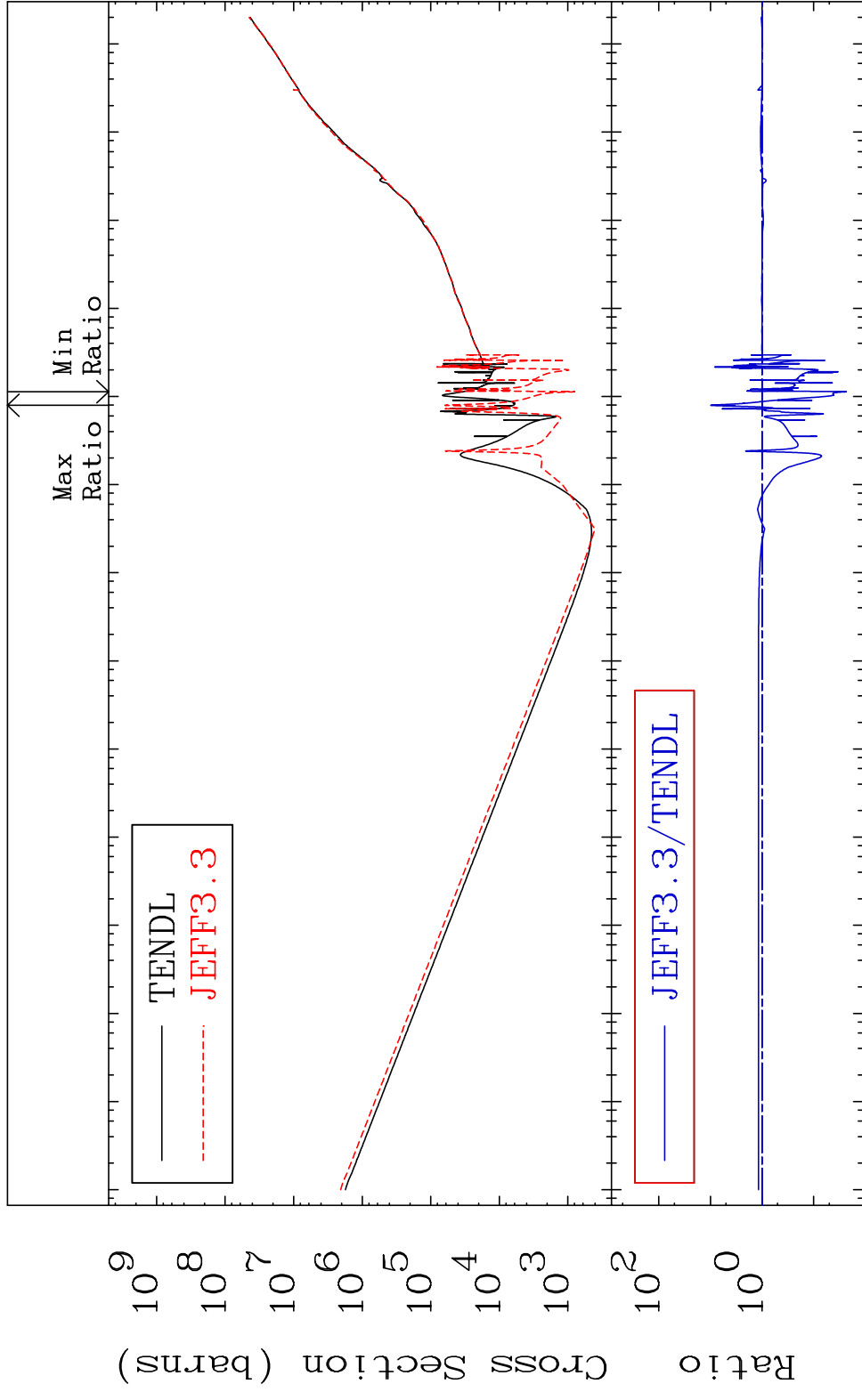
48

Incident Energy (eV)

²⁶Fe-55

MAT 2628

Kerma total (eV-barns) 26-Fe-55
Cross Section -97.67 To 887.1 %



49

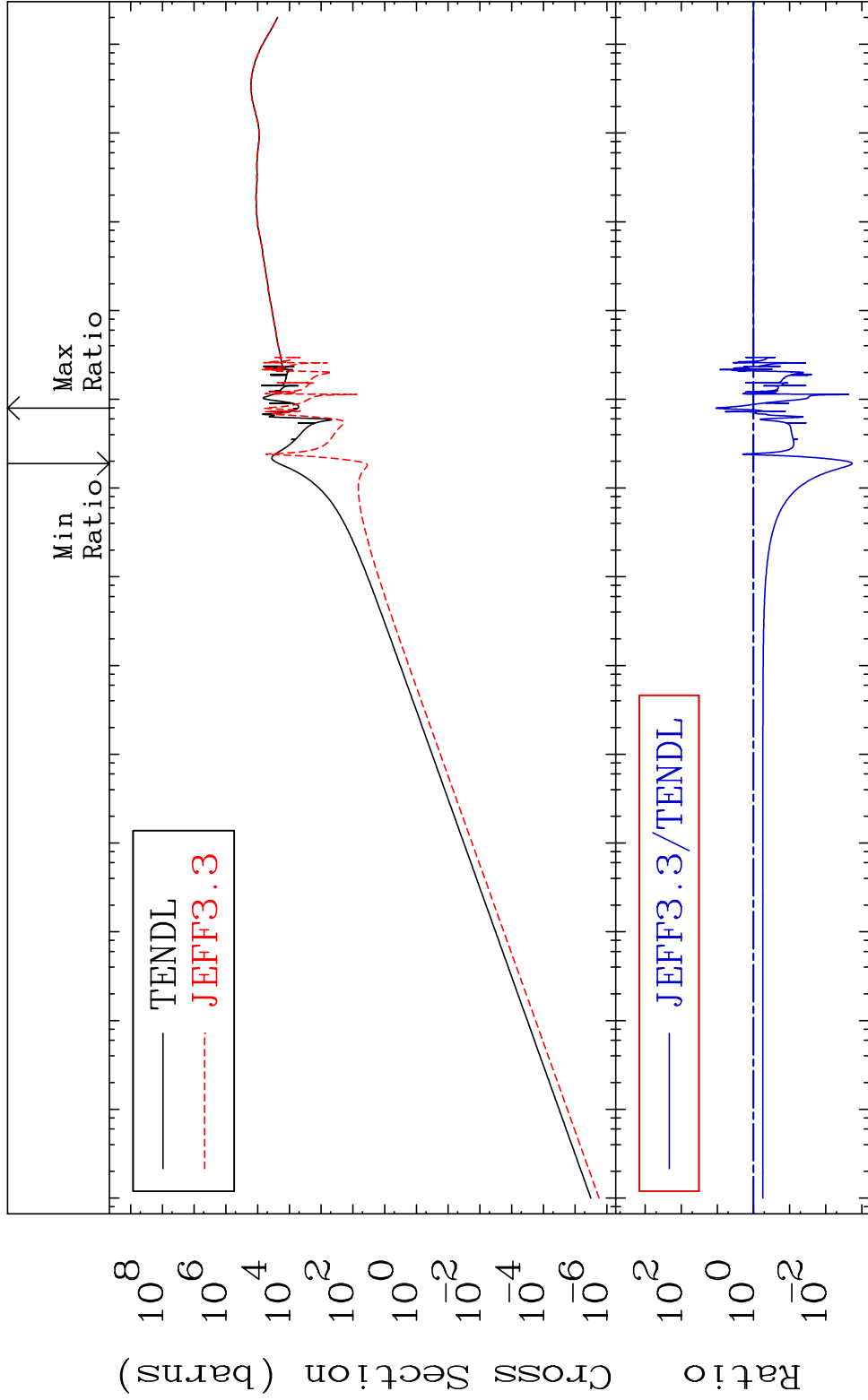
Incident Energy (eV)

26-Fe-55

MAT 2628

Kerma elastic
Cross Section

26-Fe-55
-99.82 To 1017. %

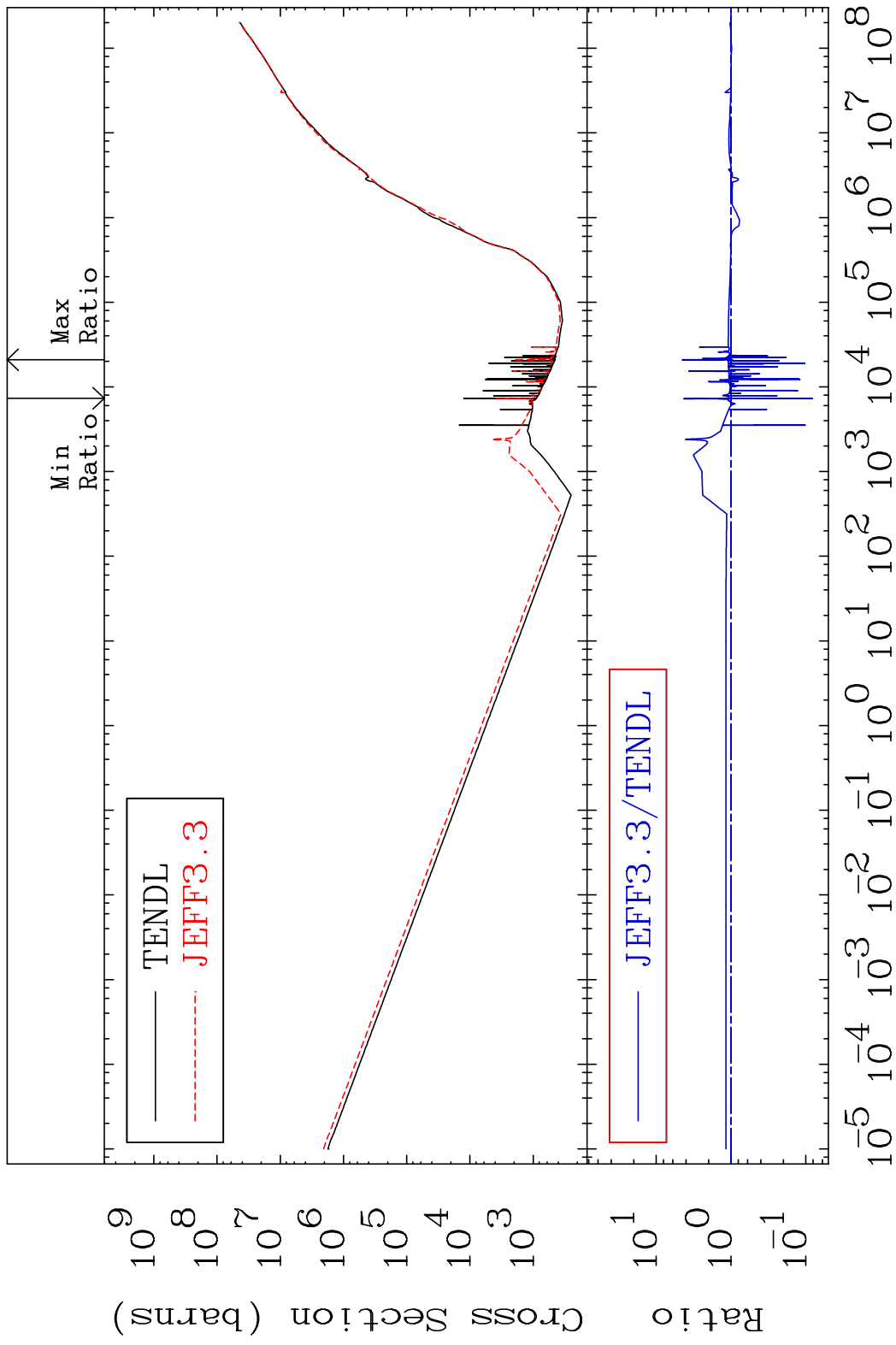


50

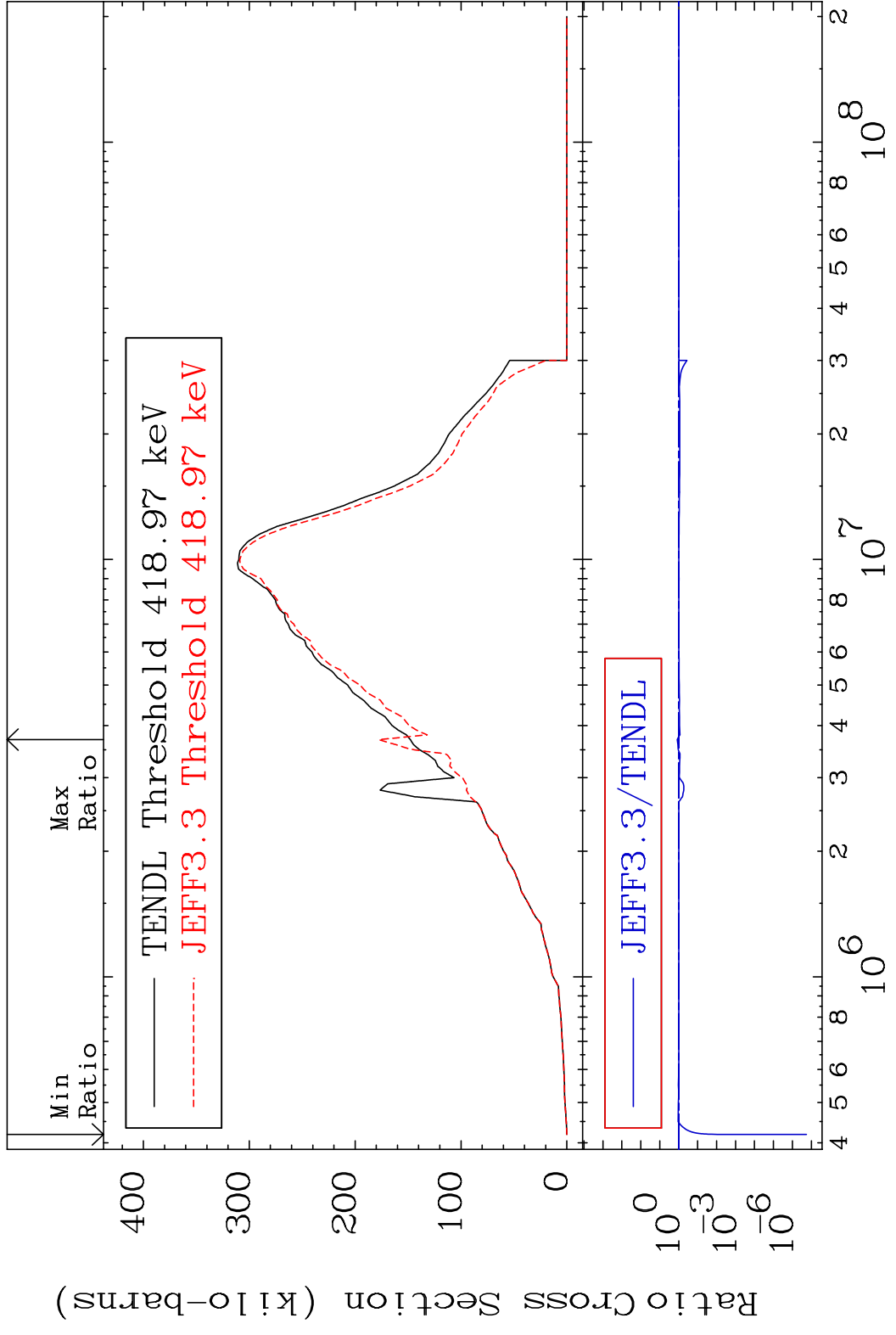
Incident Energy (eV)

26-Fe-55

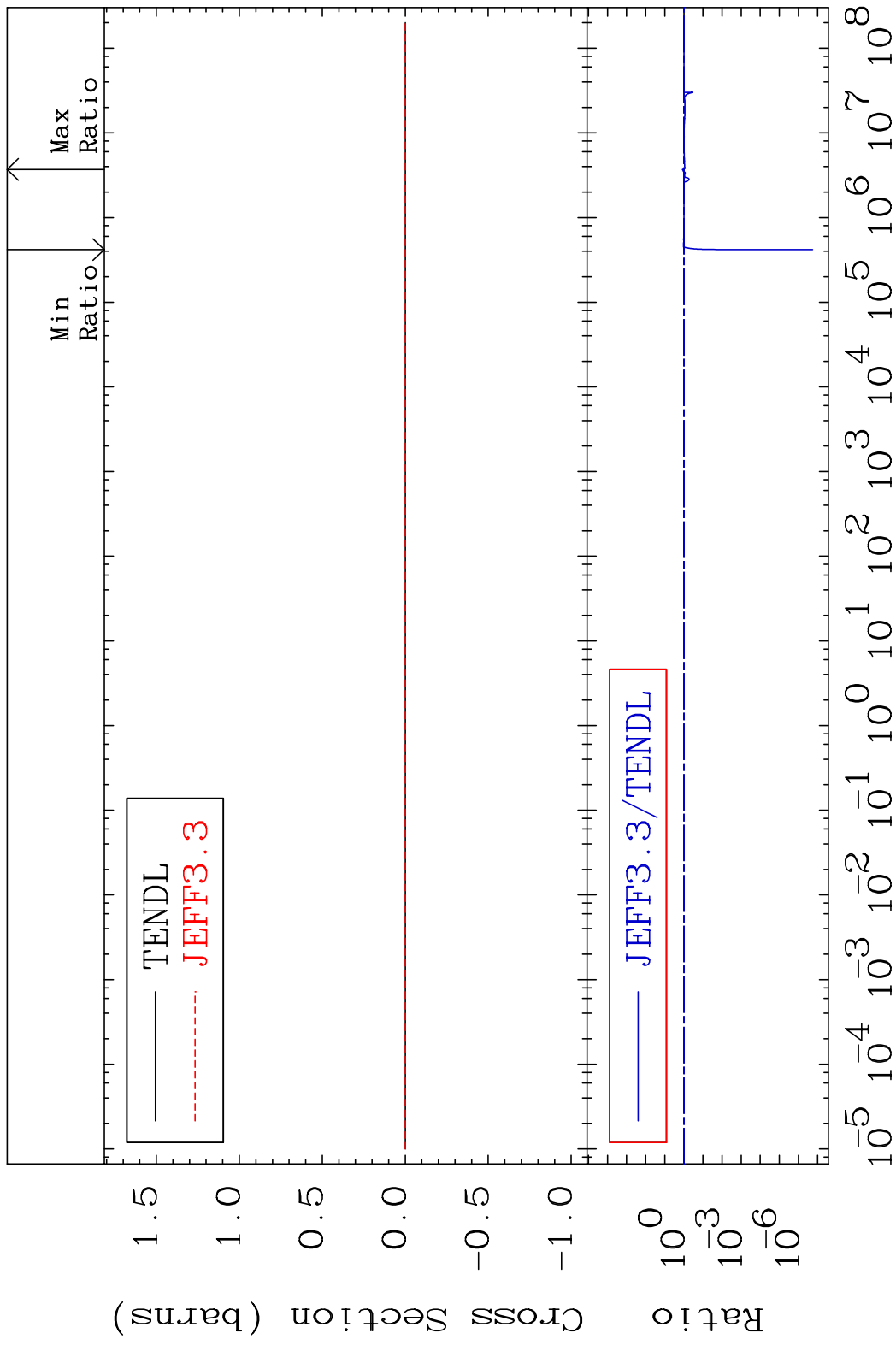
MAT 2628 Kerma non-elastic (all but mt2) 26-Fe-55
 Cross Section -91.86 To 347.7 %



MAT 2628 Kerma inelastic (mt51-91) 26-Fe-55
 Cross Section -100.0 To 20.26 %

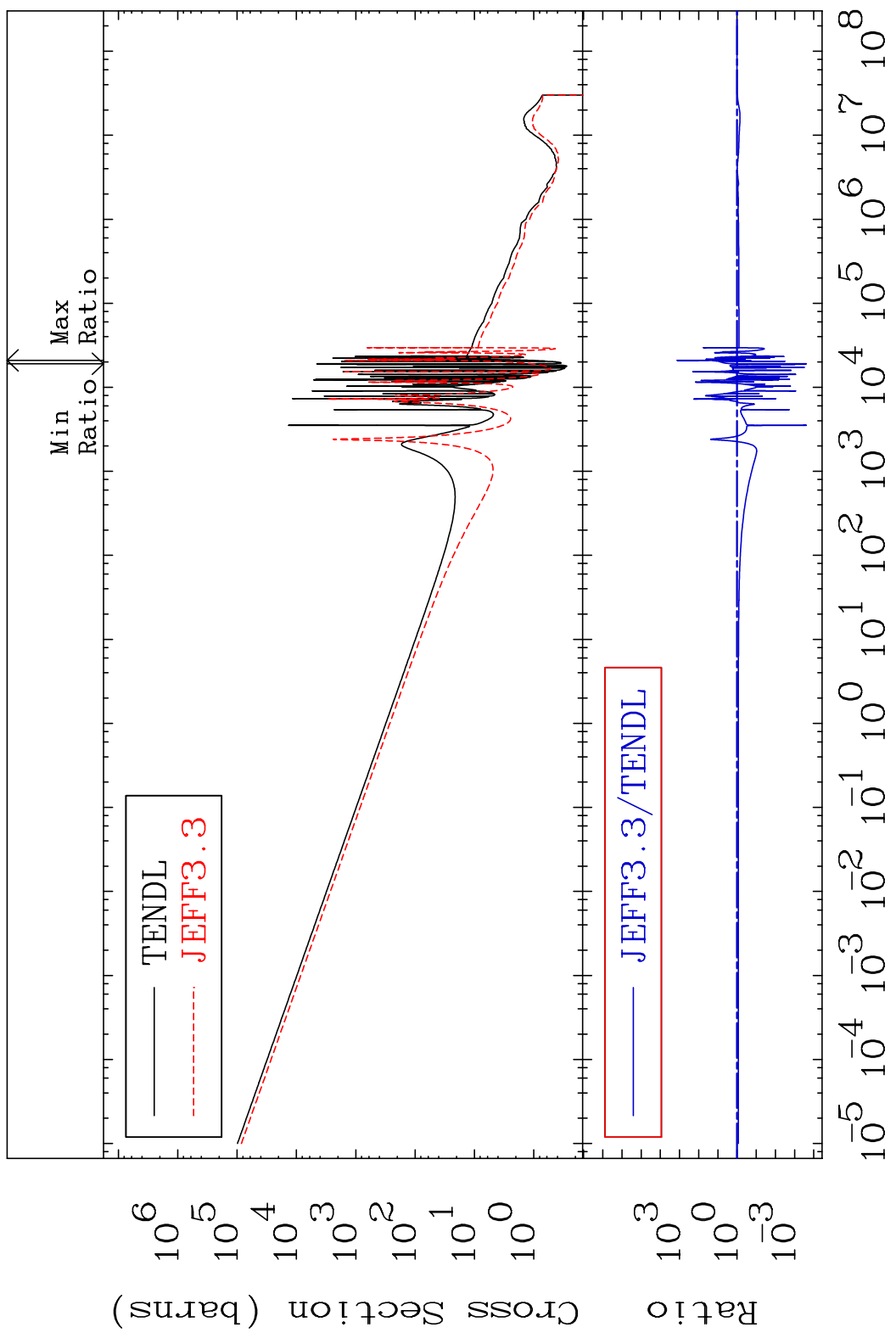


MAT 2628 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-55
 Cross Section -100.0 To 20.26 %



MAT 2628

Kerma capture (mt102) 26-Fe-55
Cross Section -99.98 To 9999. %

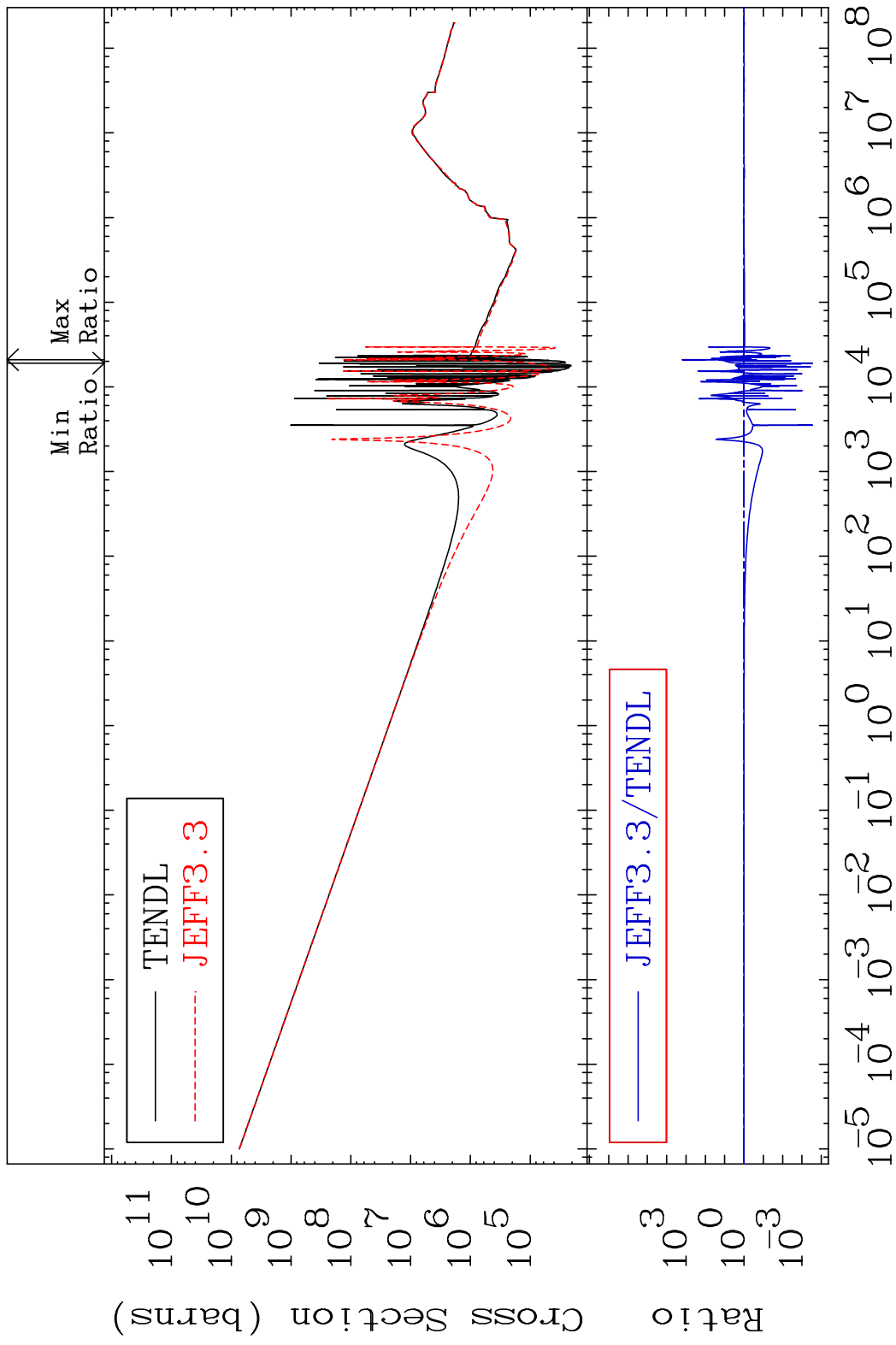


54

Incident Energy (eV)

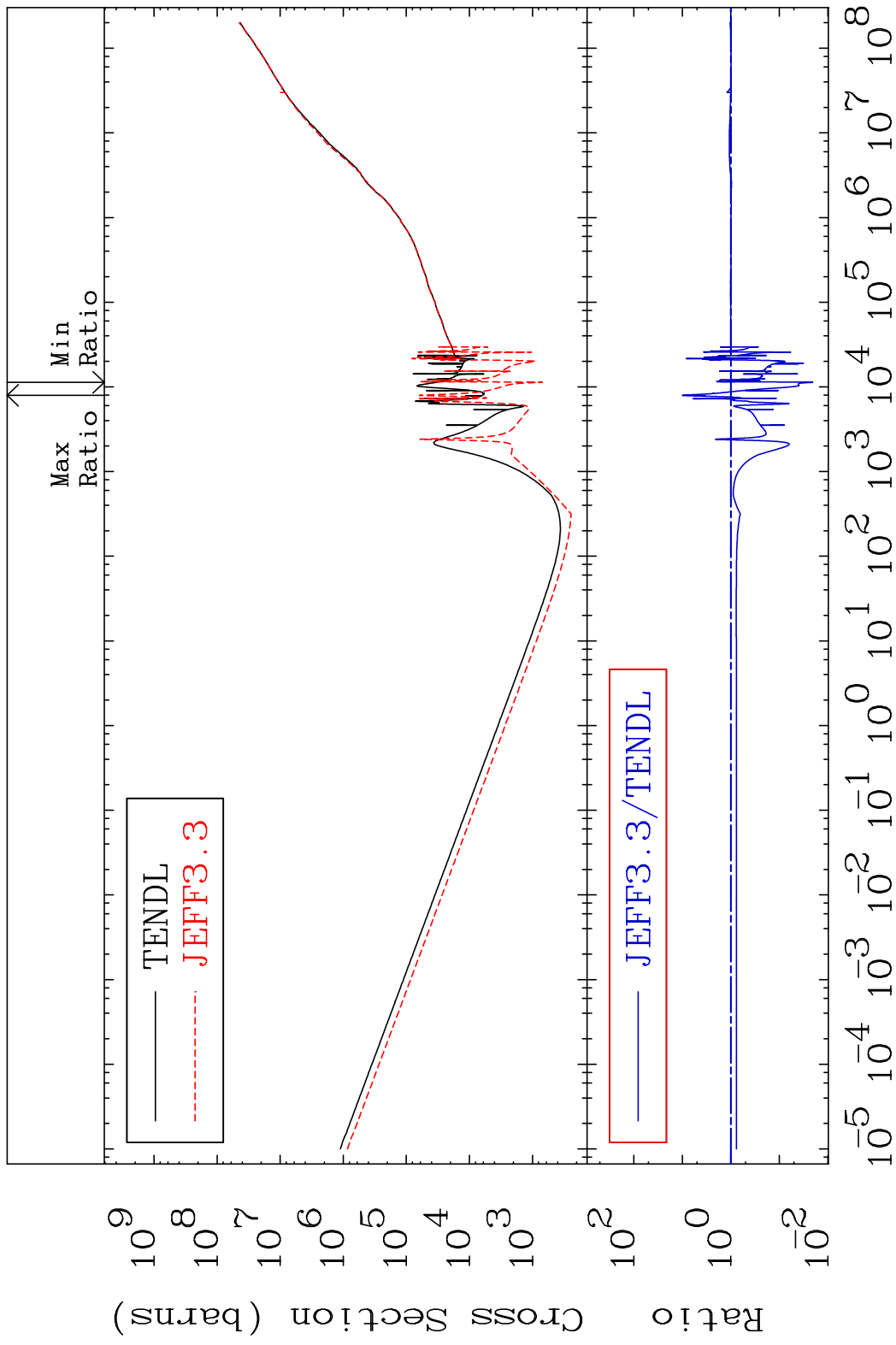
26-Fe-55

MAT 2628 Total photon (eV-barns) 26-Fe-55
 Cross Section -99.97 To 9999. %

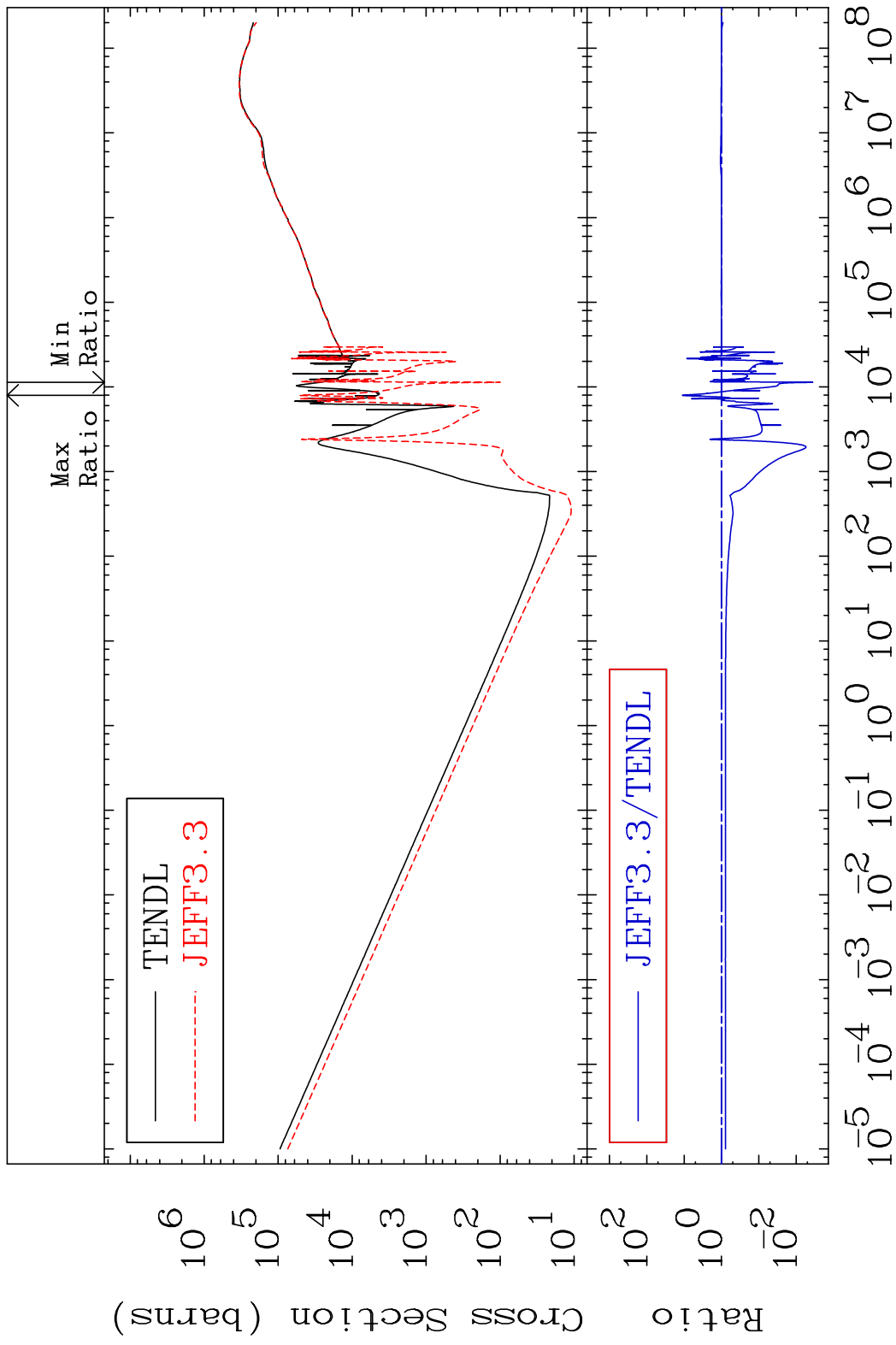


55 Incident Energy (eV) 26-Fe-55

MAT 2628 Total kinematic kerma (high limit) 26-Fe-55
 Cross Section -97.93 To 898.5 %



MAT 2628 Dpa total (eV-barns) 26-Fe-55
 Cross Section -99.64 To 1015. %

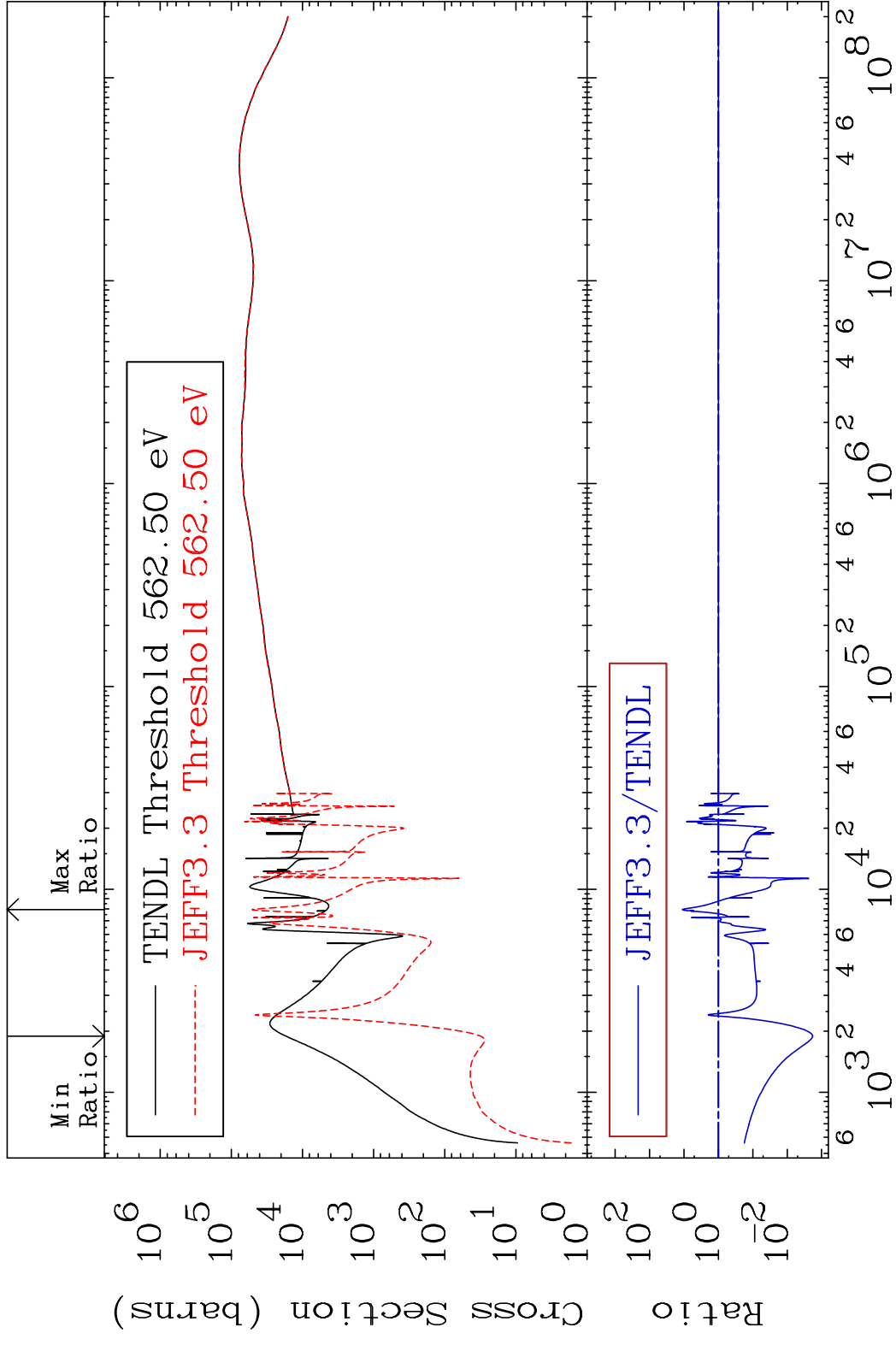


MAT 2628

Dpa elastic (mt2)

²⁶Fe-55

Cross Section -99.82 To 1017. %

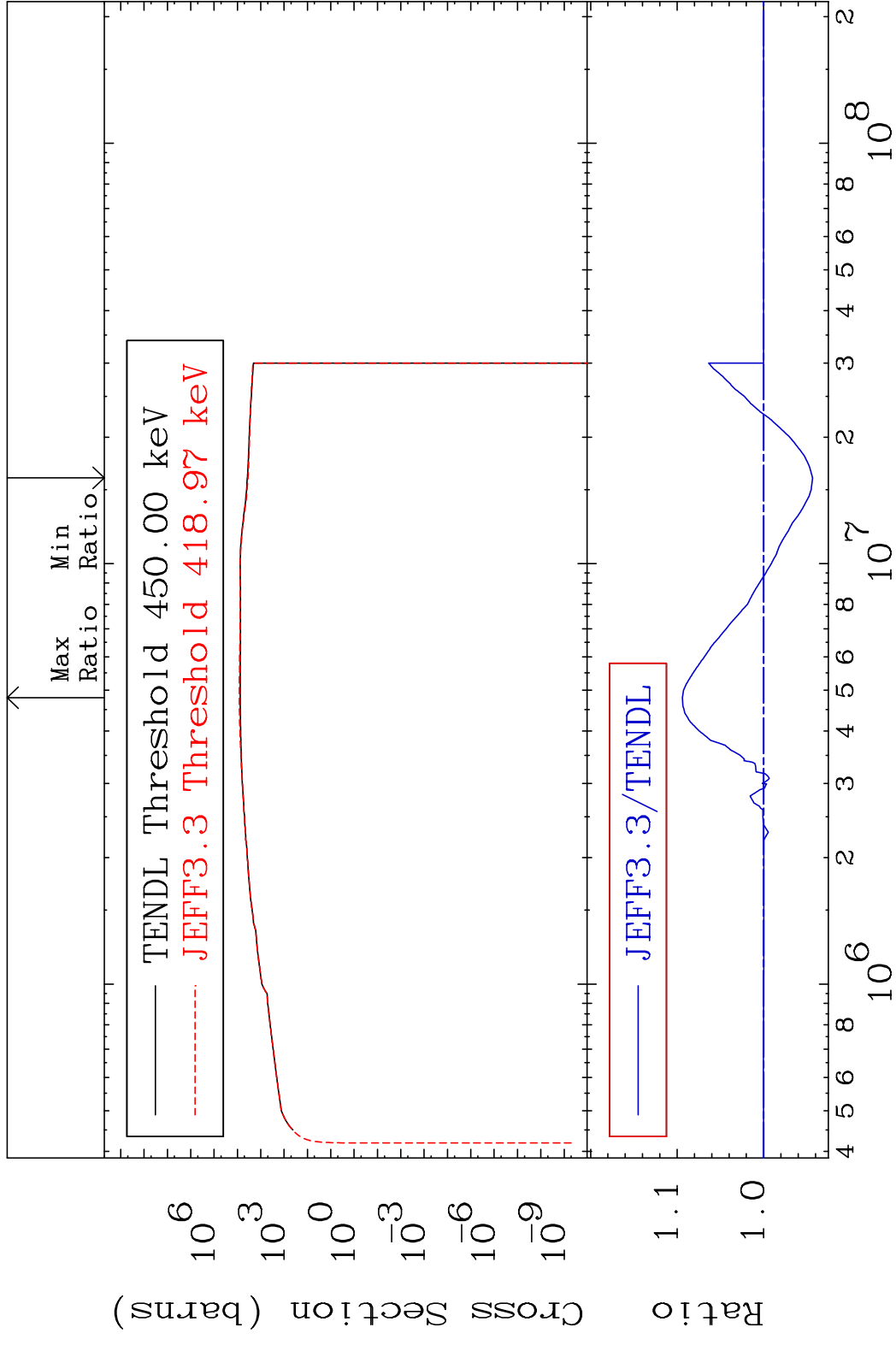


58

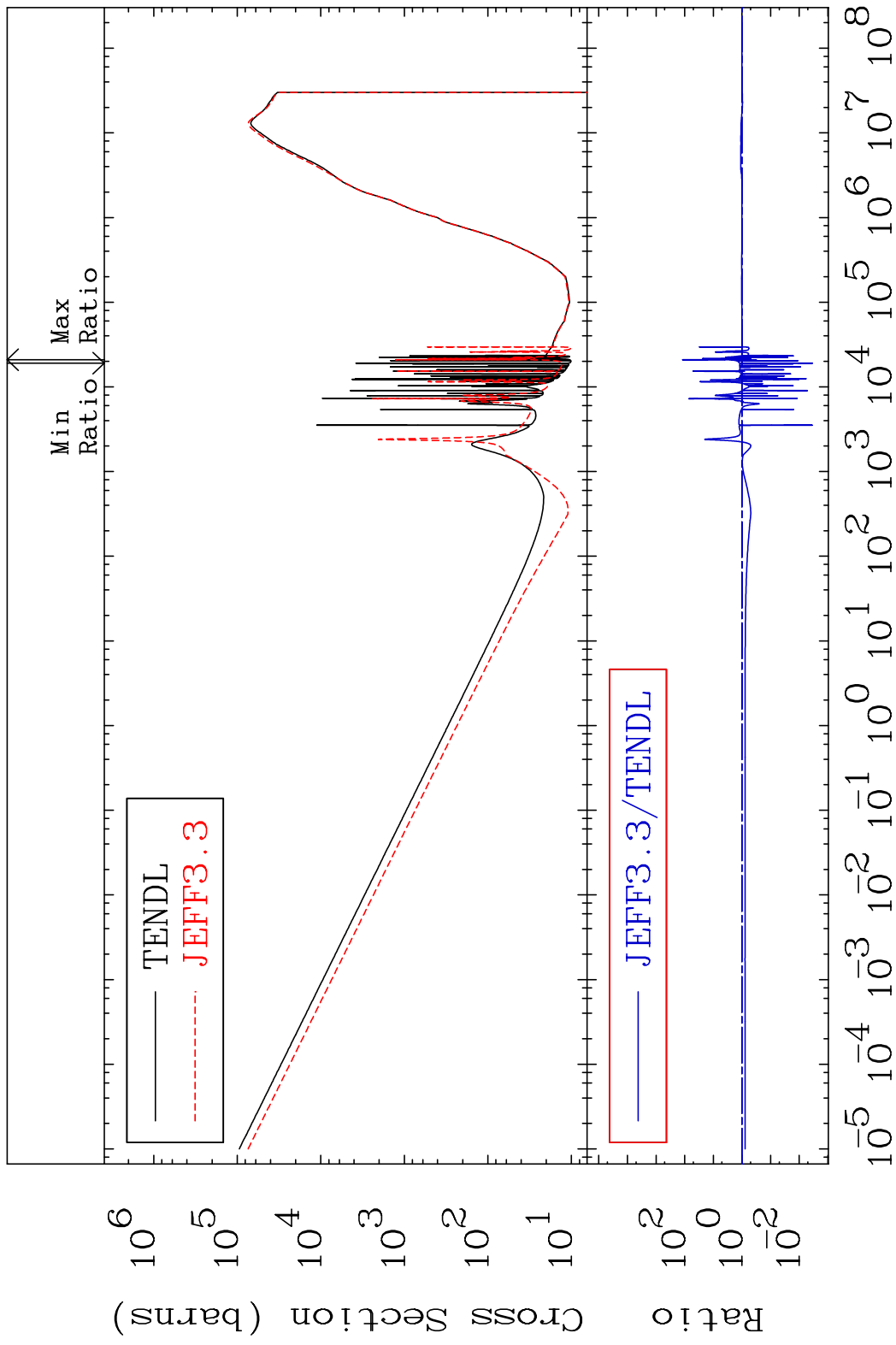
Incident Energy (eV)

²⁶Fe-55

MAT 2628 Dpa inelastic (mt51-91) ²⁶Fe-55
 Cross Section -5.654 To 9.397 %



MAT 2628 Dpa disappearance (mt102 -120) 26-Fe-55
 Cross Section -99.66 To 9999. %

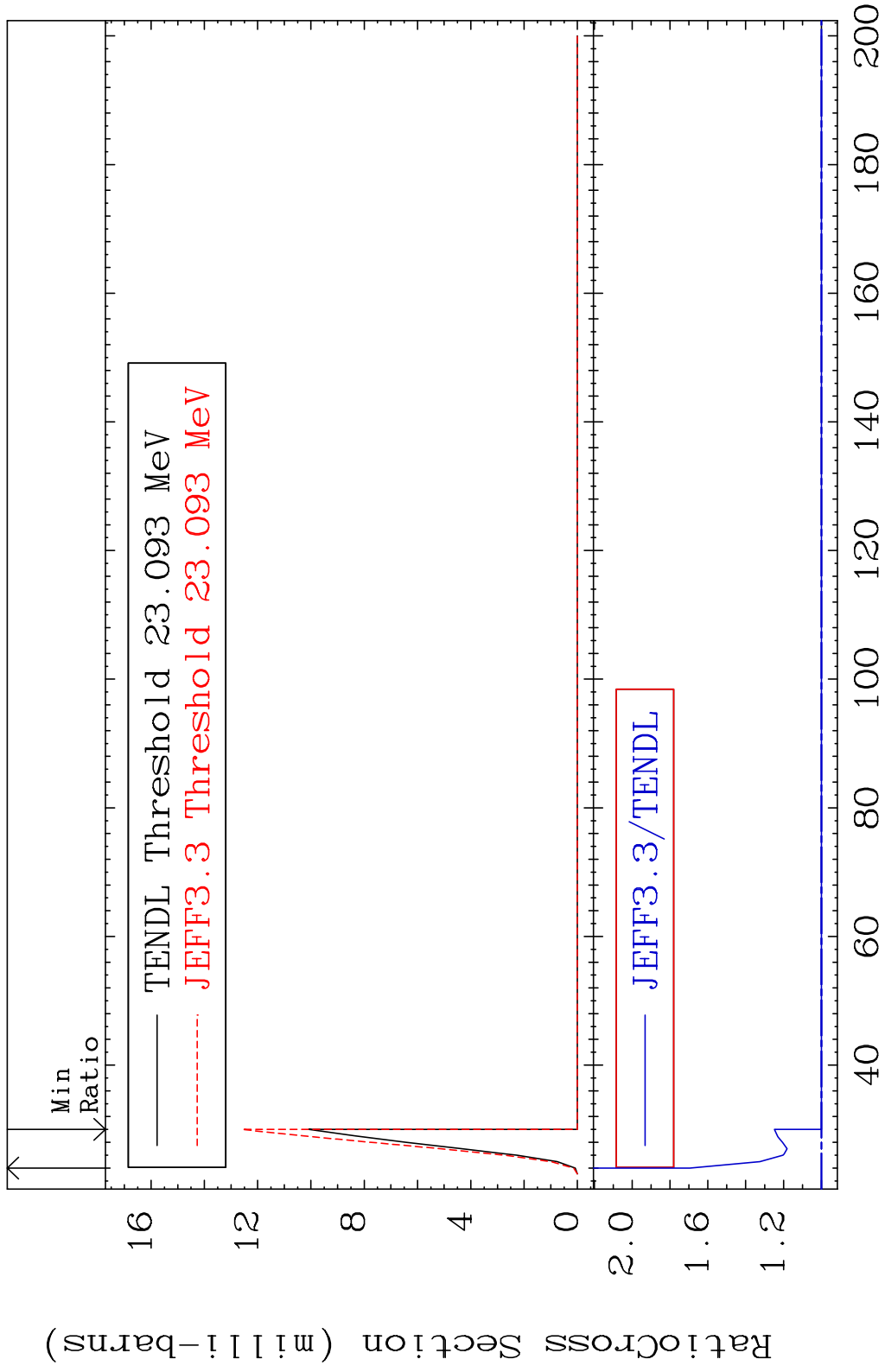


60

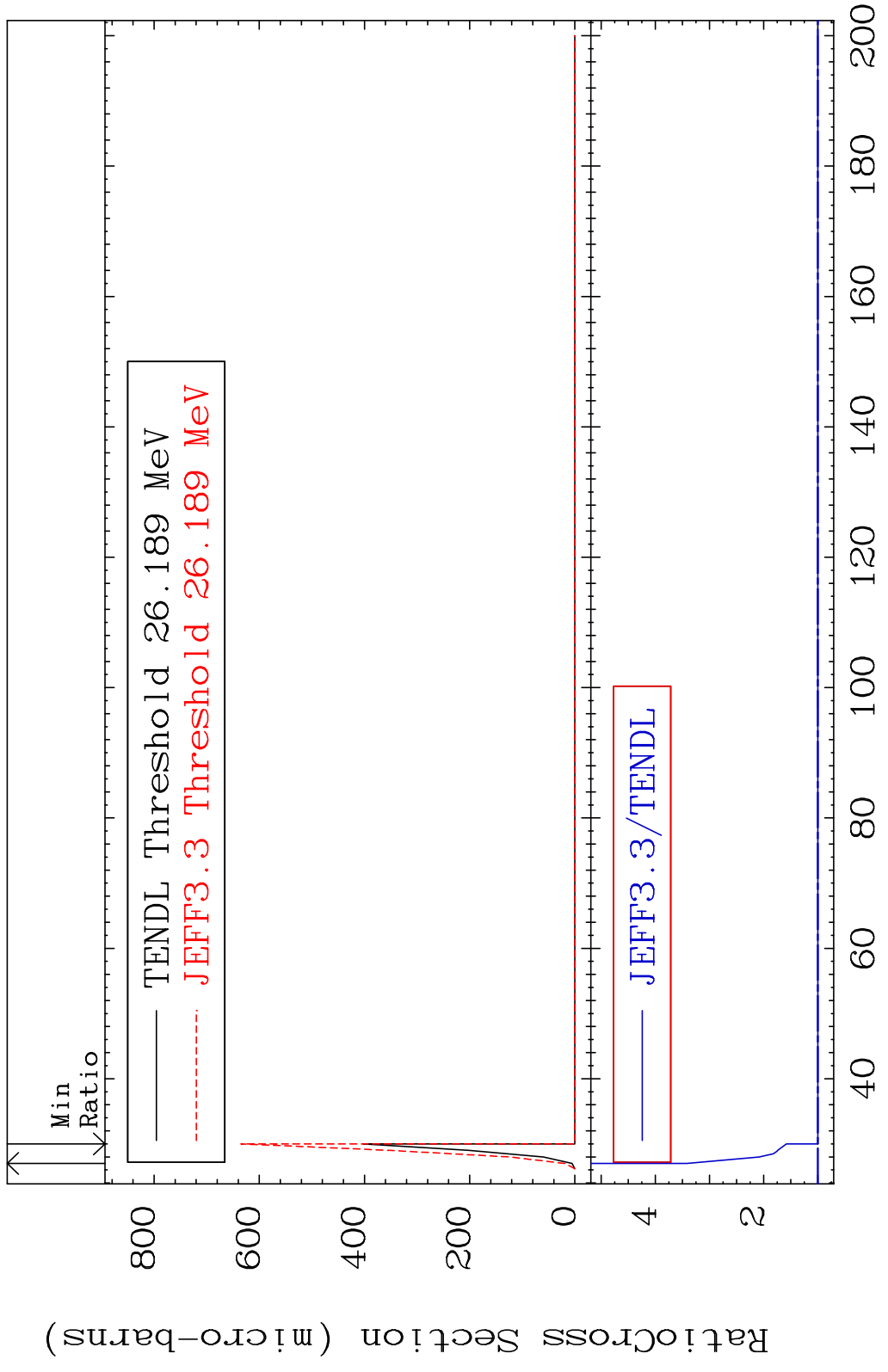
Incident Energy (eV)

26-Fe-55

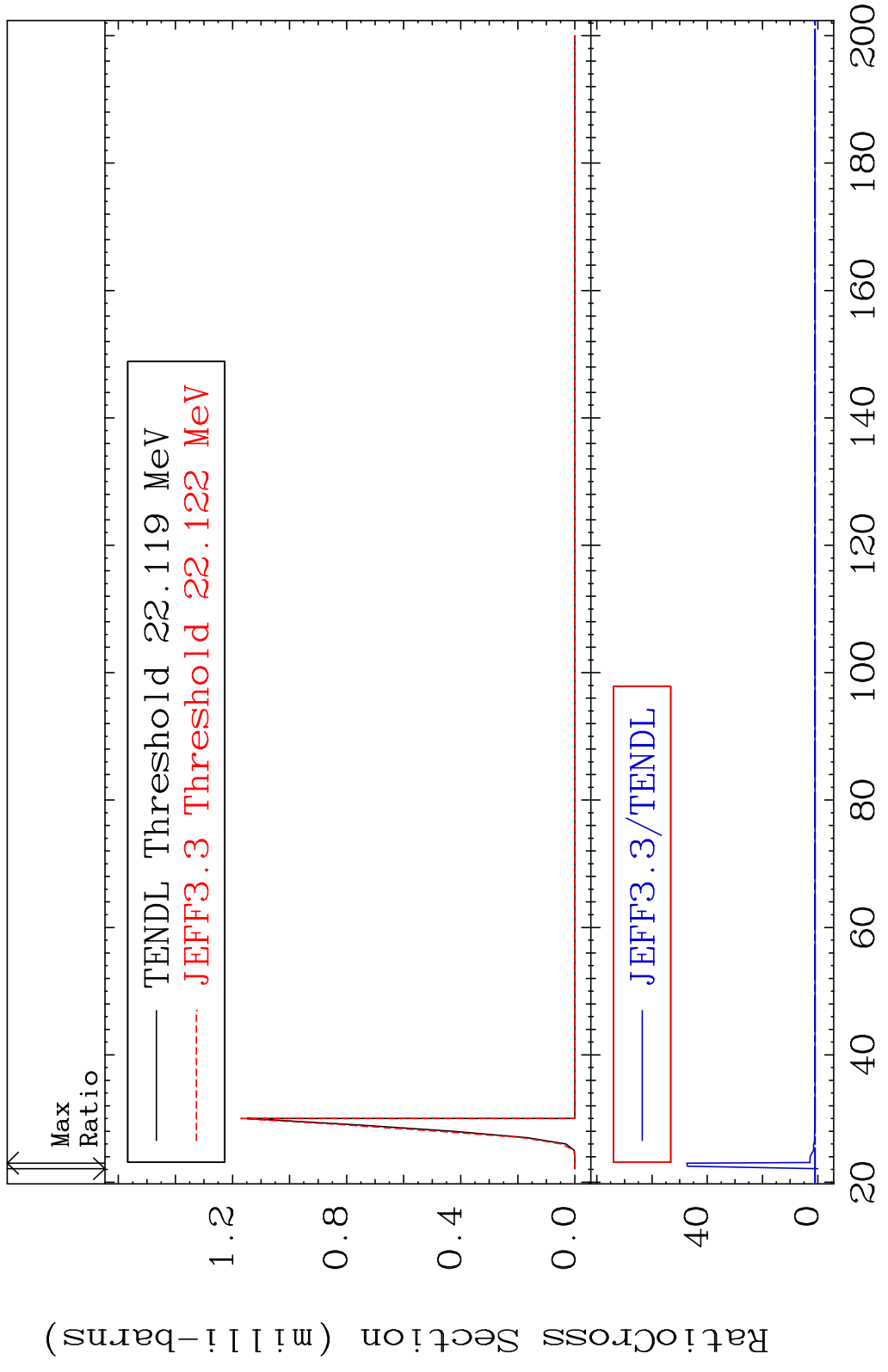
MAT 2628 (n,3n):26-Fe-53g 26-Fe-55
 Radionuclide Production Cross Section 69.56 %



MAT 2628 (n, 3n): 26-Fe-53m22 26-Fe-55
 Radionuclide Production Cross Section 242.0 %



MAT 2628 (n, n') t:25-Mn-52g 26-Fe-55
 Radionuclide Production Cross Section 1800 d to 4645. %



MAT 2628 (n, n') t:25-Mn-52m1 26-Fe-55
 Radionuclide Production Cross Section 325.2 %

