

Program Complot
(Version 2021-1)

by

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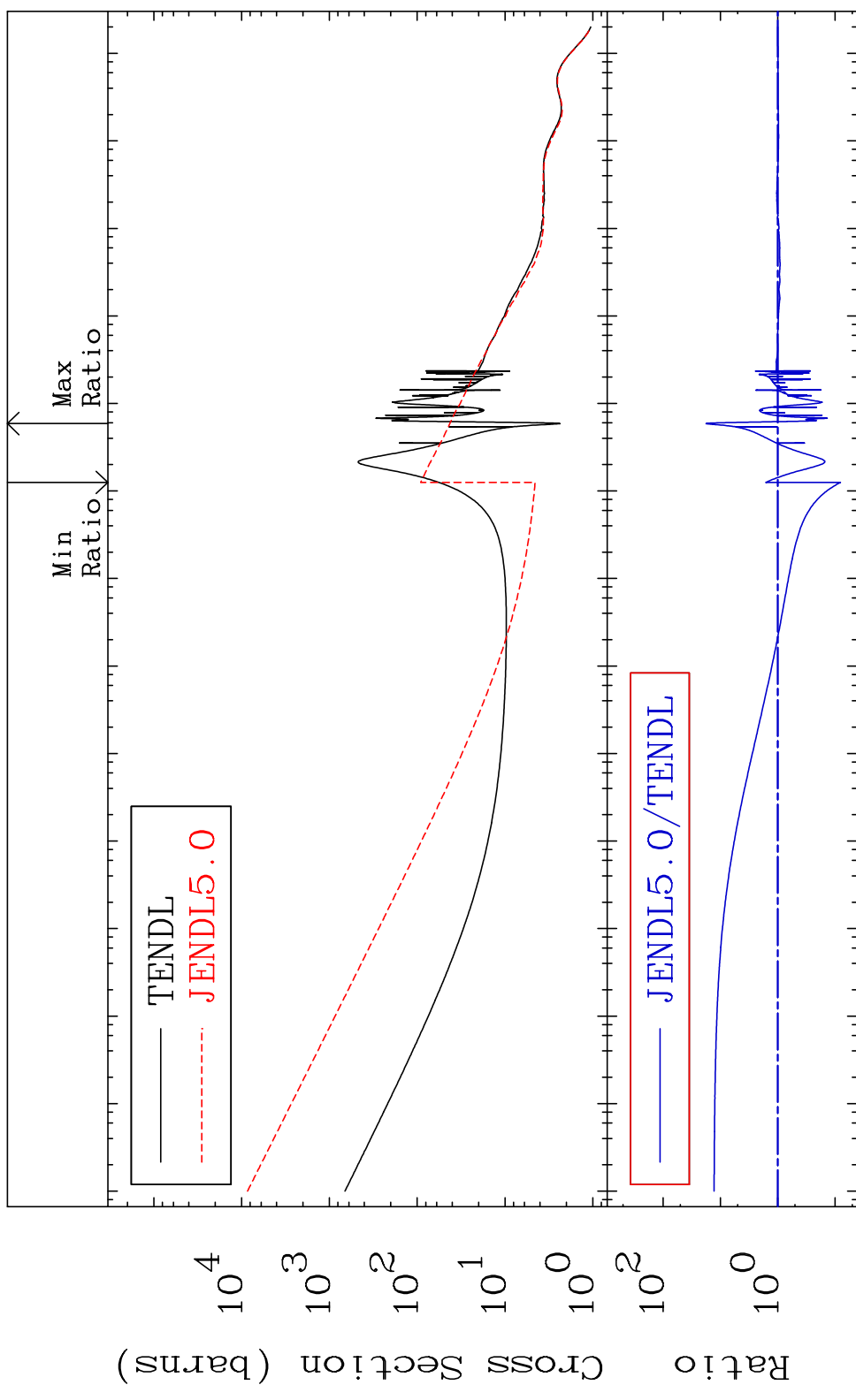
Press Mouse Button to Start

MAT 2628

Total

26-Fe-55

Cross Section -91.98 To 1702. %



1

Incident Energy (eV)

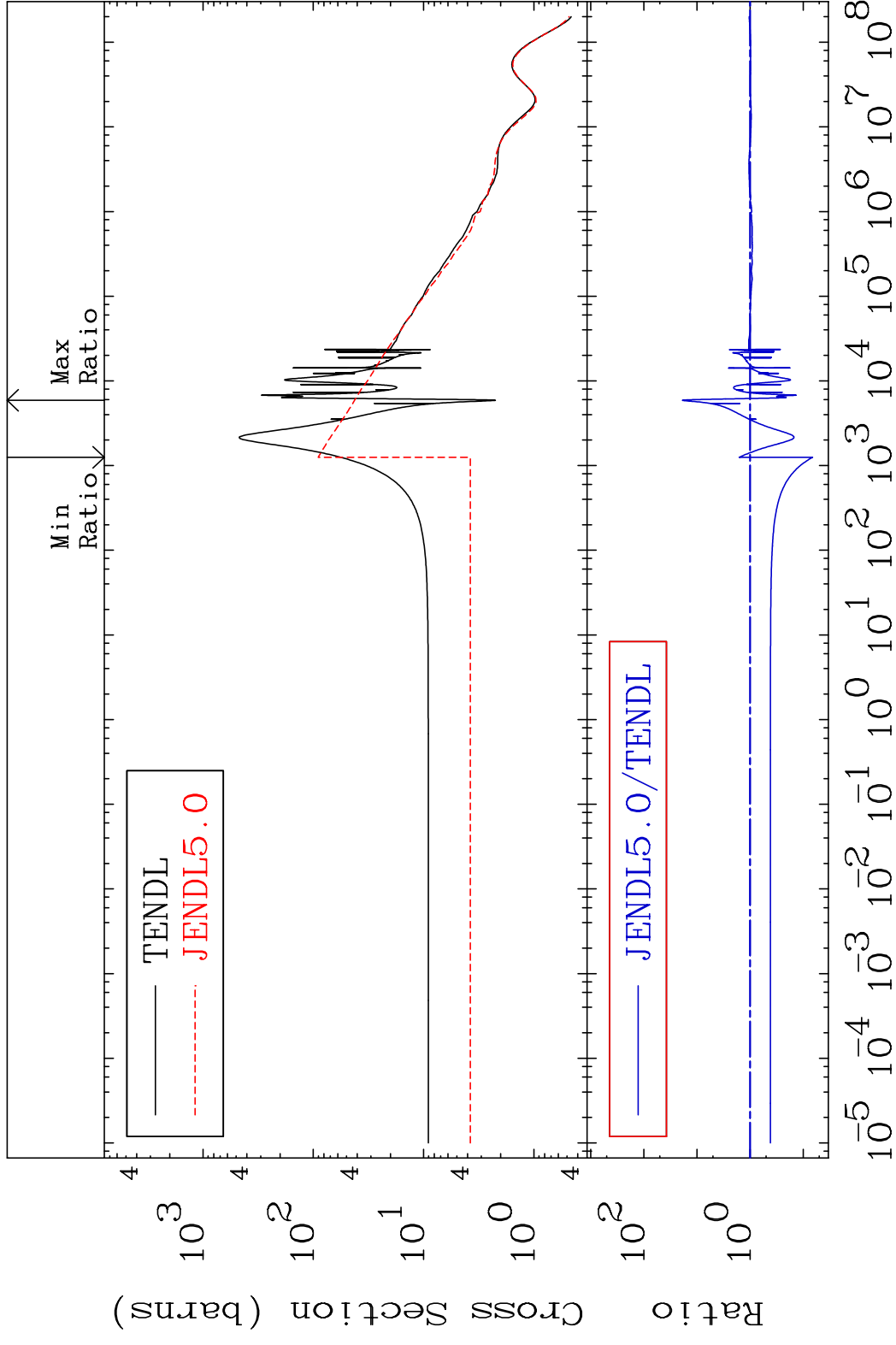
26-Fe-55

MAT 2628

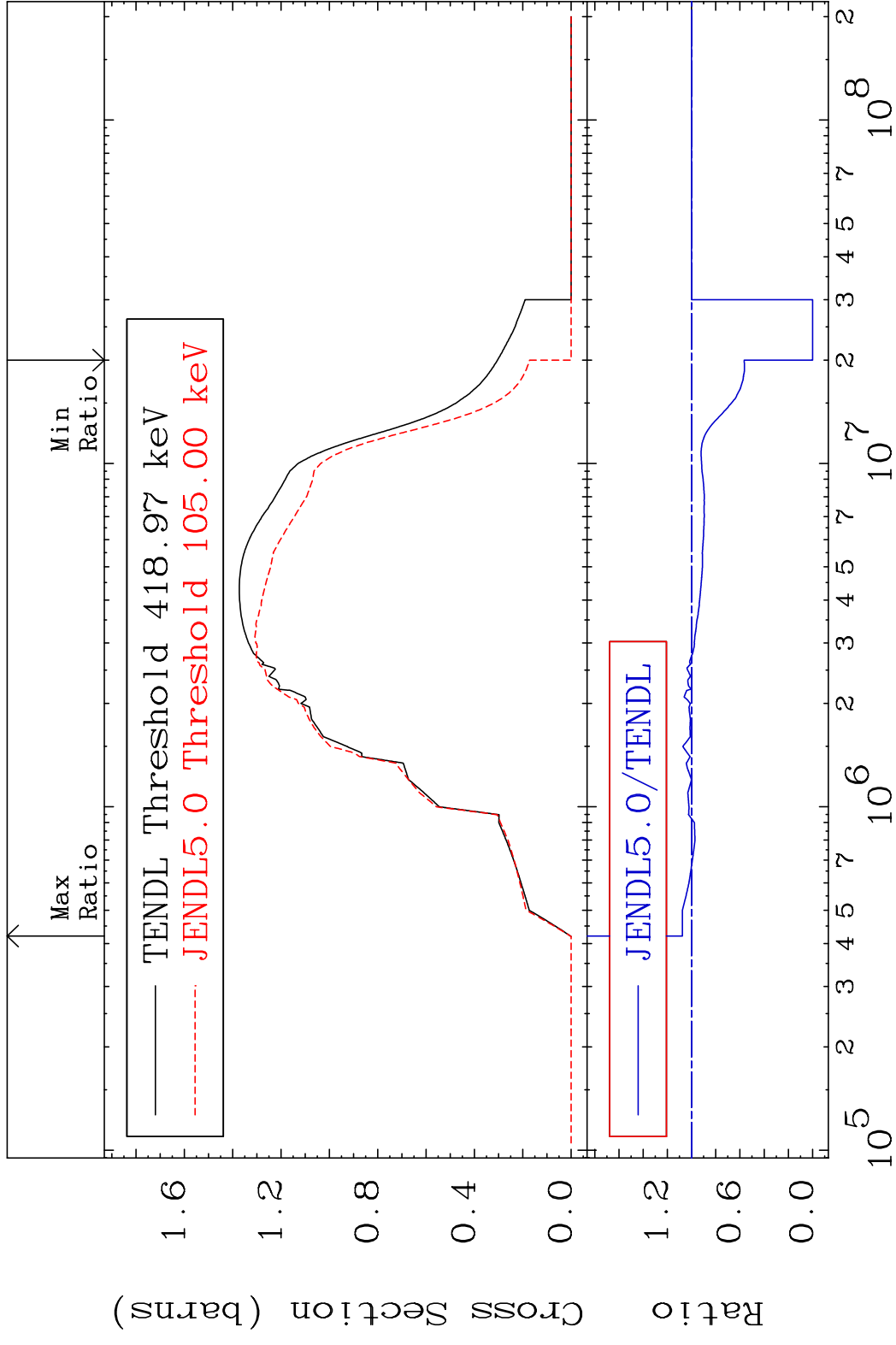
Elastic

26-Fe-55

Cross Section -93.30 To 1790. %

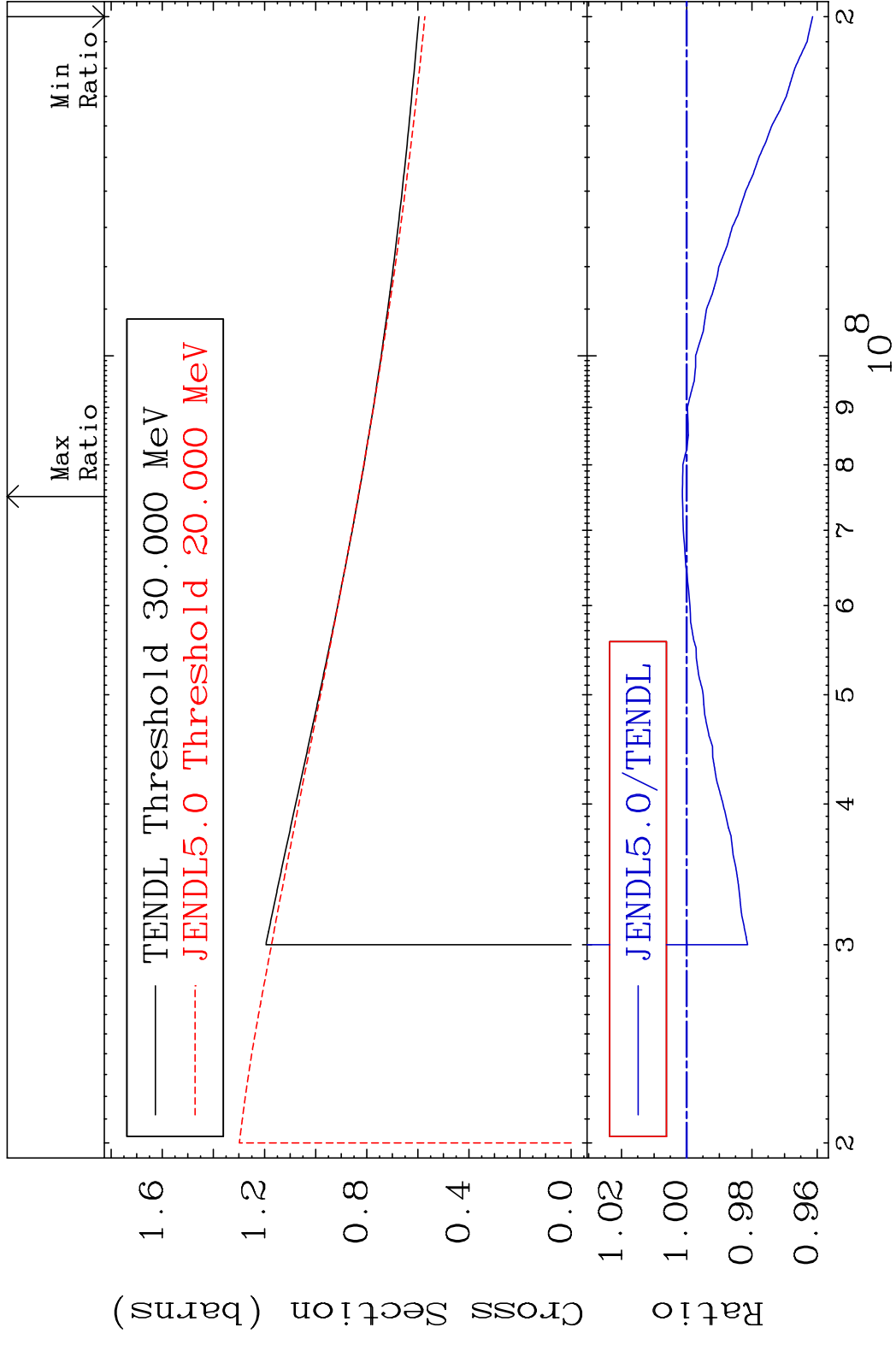


MAT 2628 Inelastic Cross Section -100.0 To 7.587 % 26-Fe-55



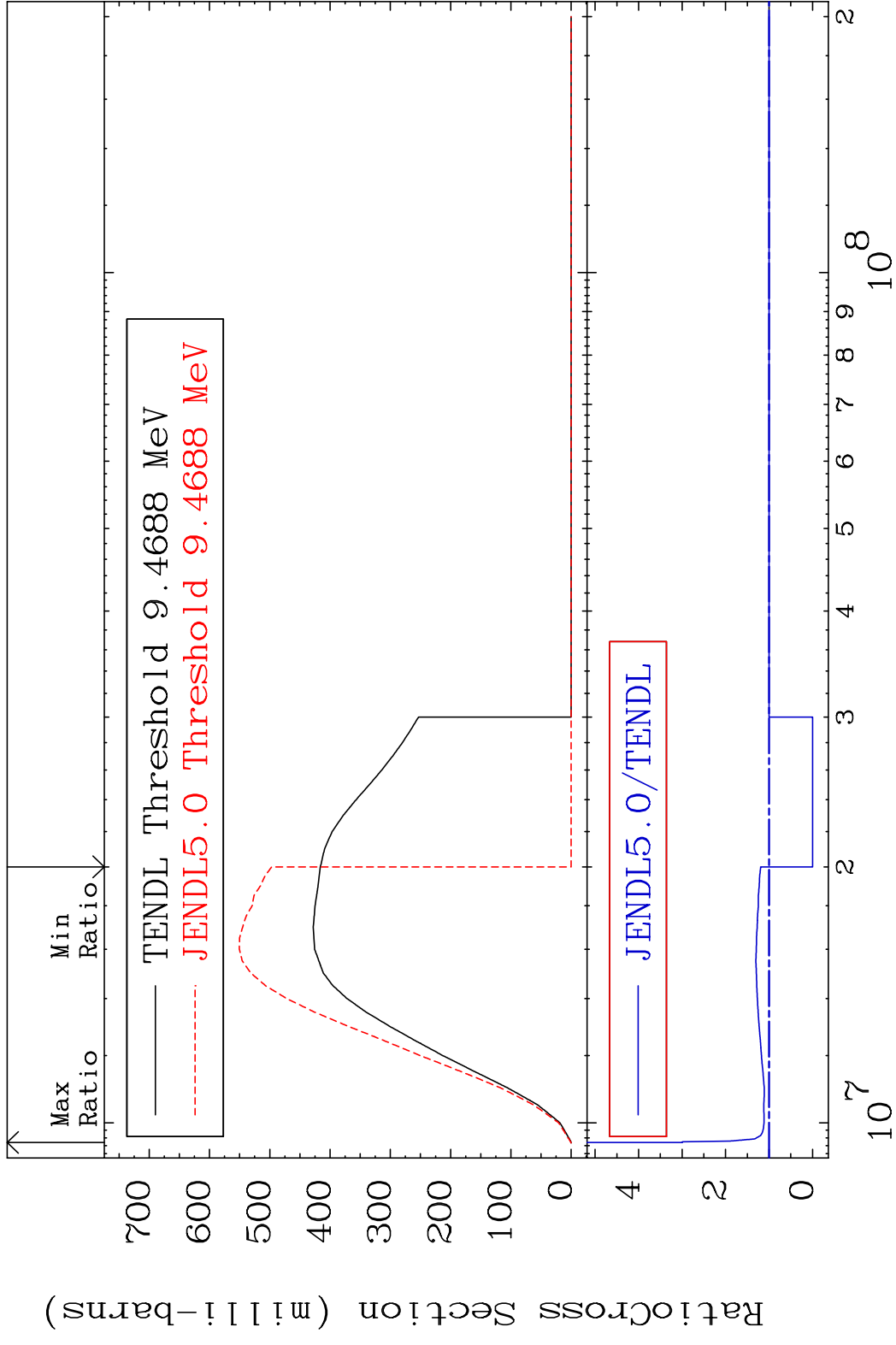
3 3 3 4 5 7 2 2 3 4 5 7 8 2 26-Fe-55

MAT 2628 (n, remainder) 26-Fe-55
 Cross Section -3.860 To 0.131 %



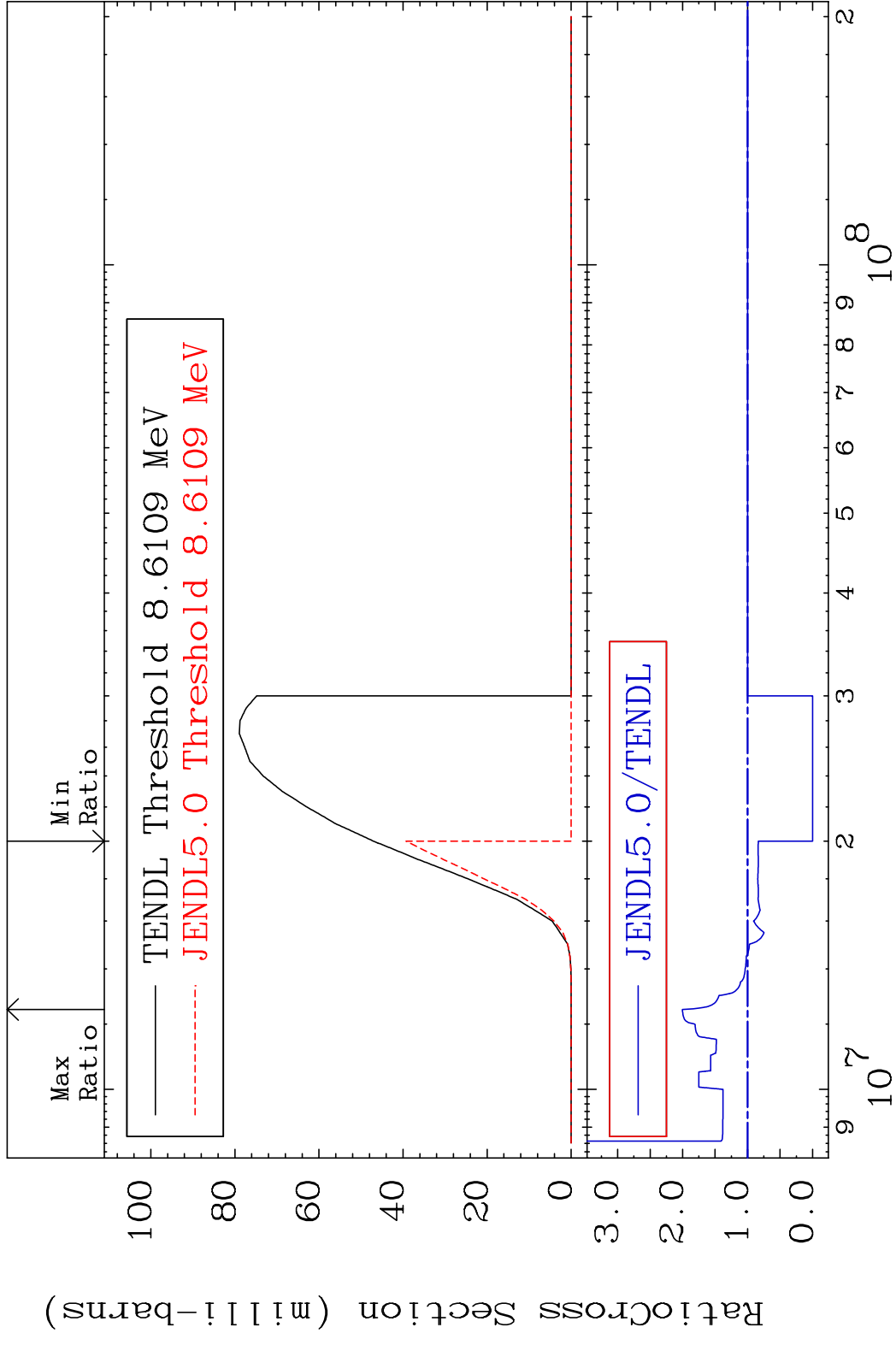
4 Incident Energy (eV) 26-Fe-55

MAT 2628 (n,2n) 26-Fe-55
 Cross Section -100.0 To 199.4 %

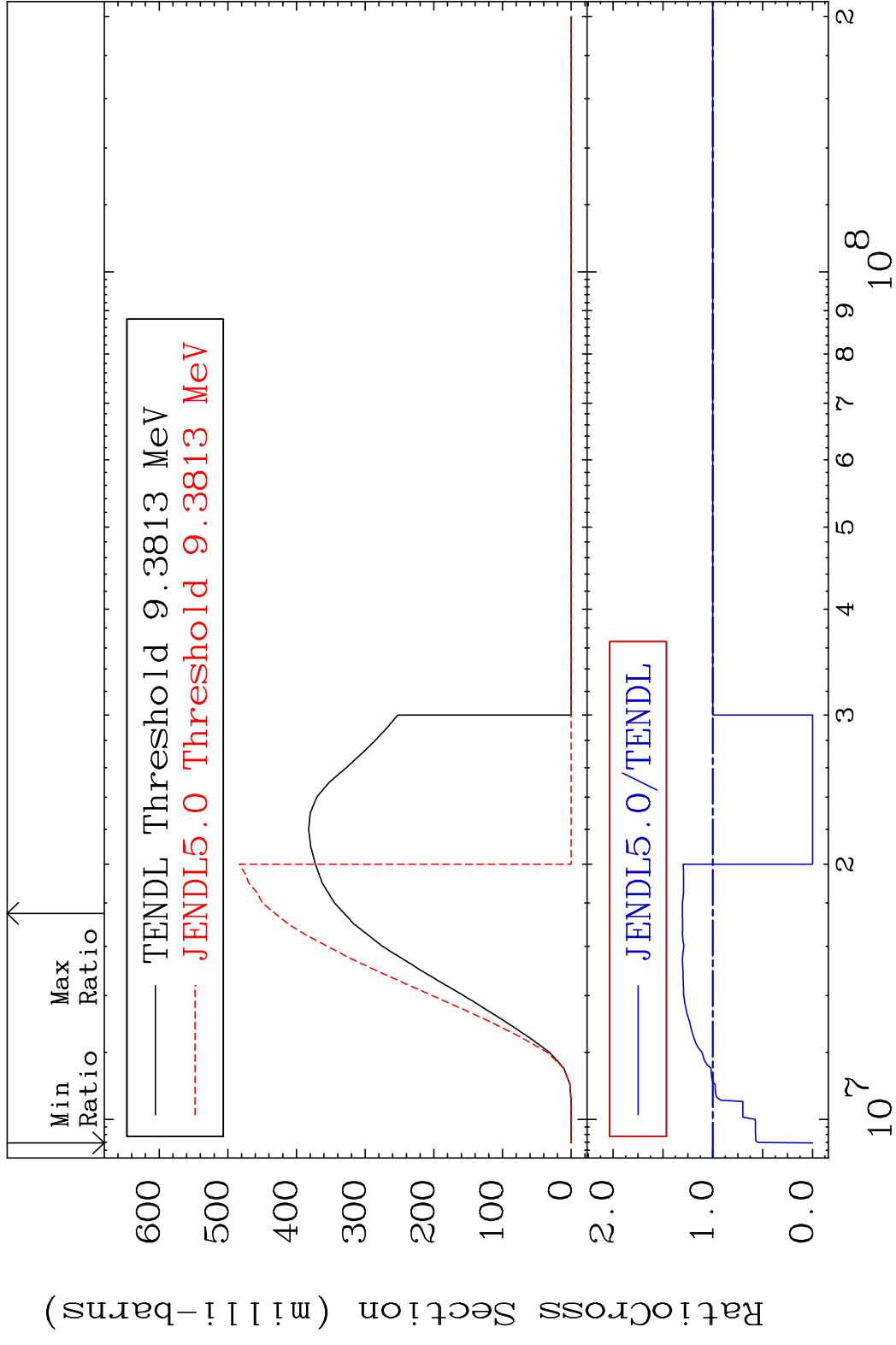


5 26-Fe-55

MAT 2628 (n, n') α 26-Fe-55
 Cross Section -100.0 To 100.4 %

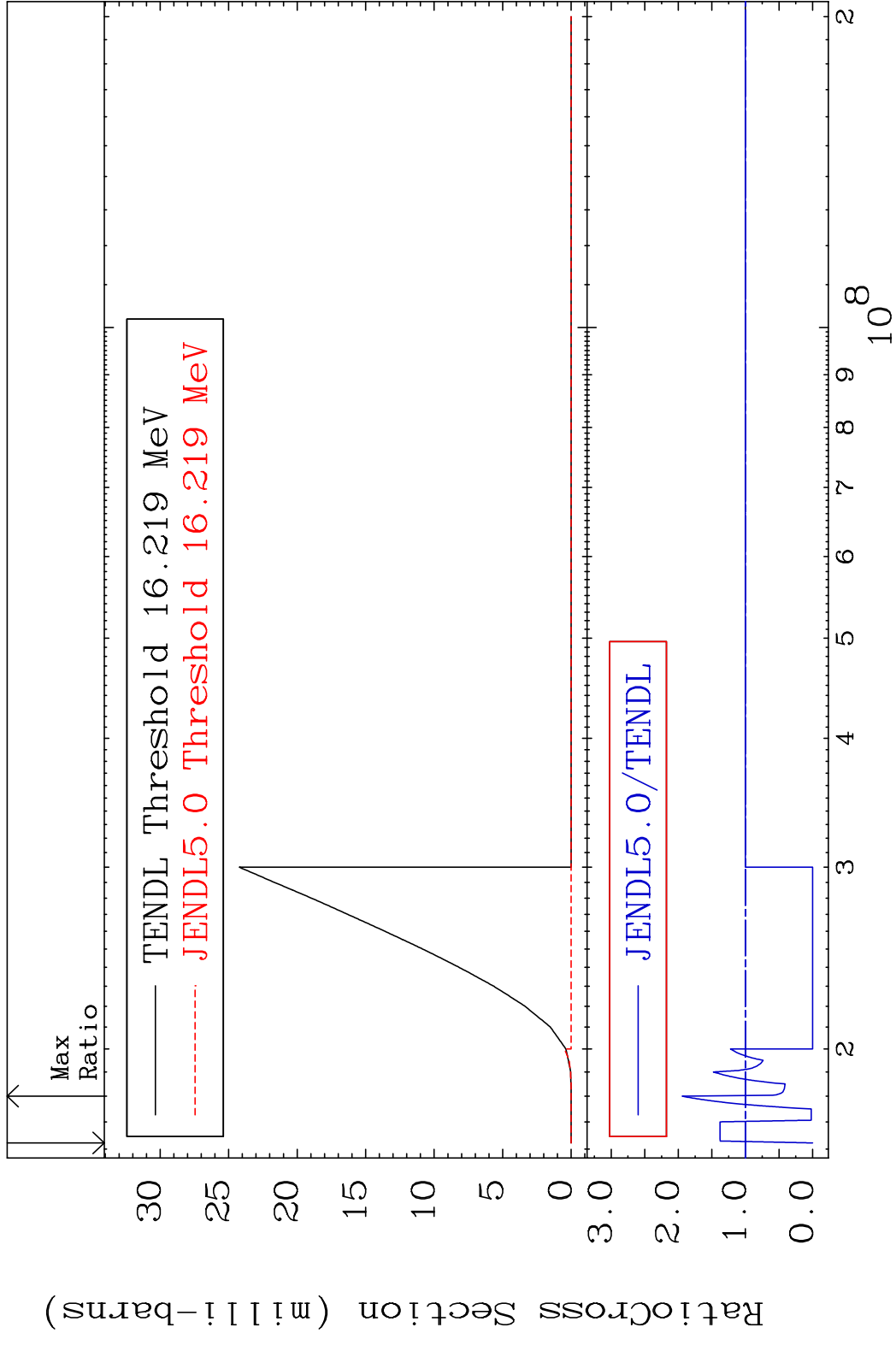


MAT 2628 (n, n') p 26-Fe-55
 Cross Section -100.0 To 30.52 %

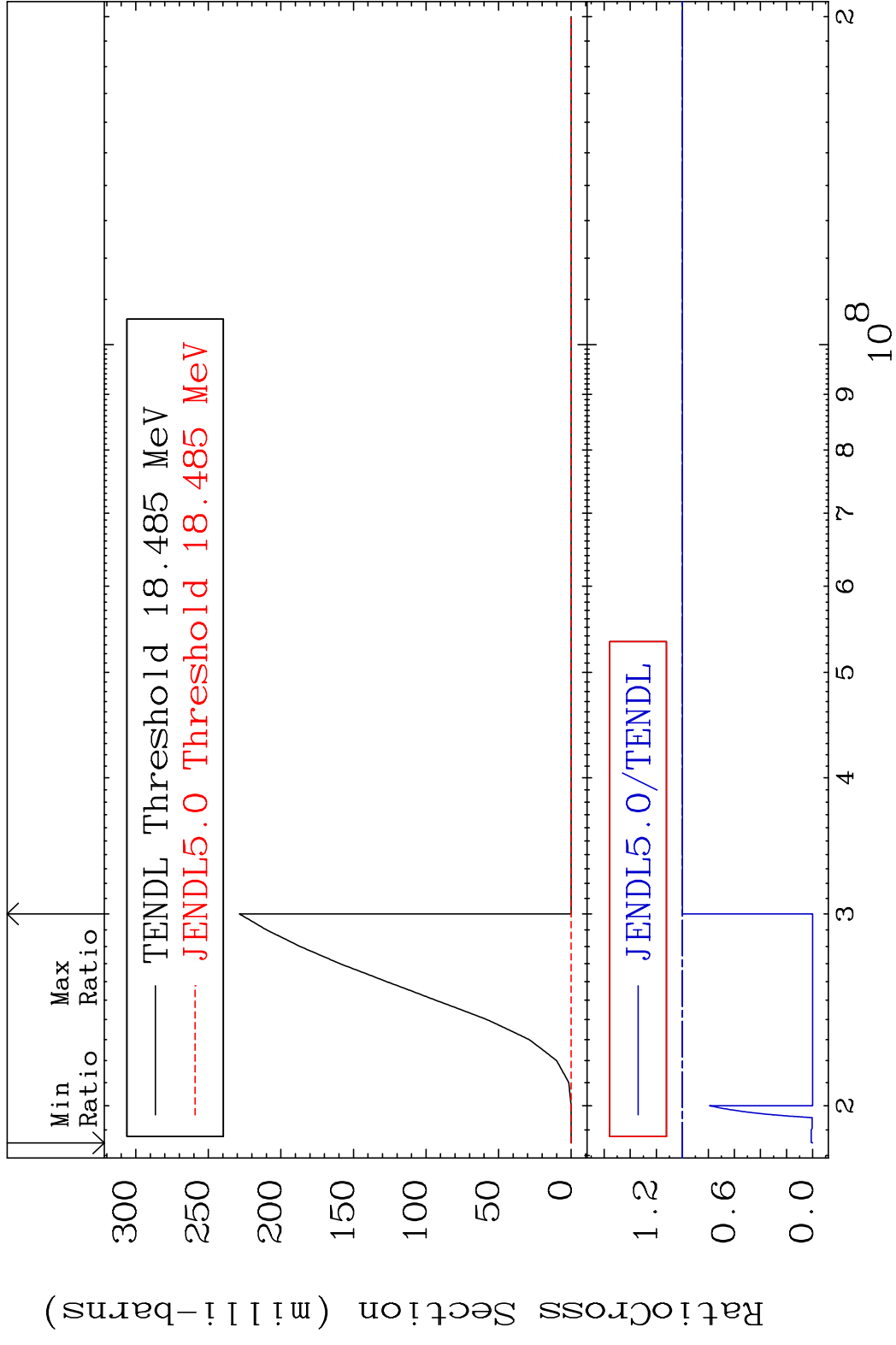


7 Incident Energy (eV) 26-Fe-55

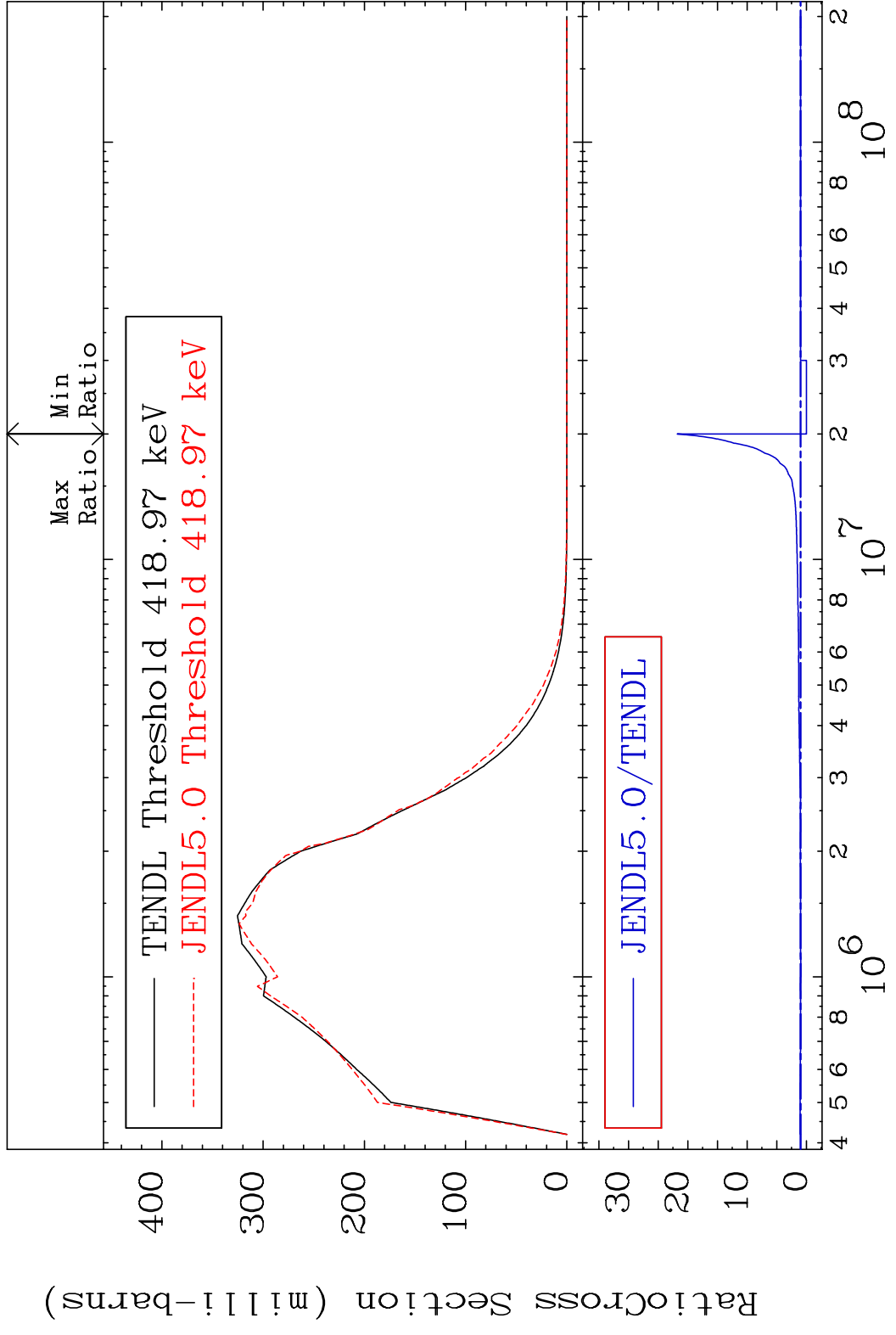
MAT 2628 (n, n') d 26-Fe-55
 Cross Section -100.0 To 94.01 %



MAT 2628 (n,2n) p 26-Fe-55
 Cross Section -100.0 To 0.000 %

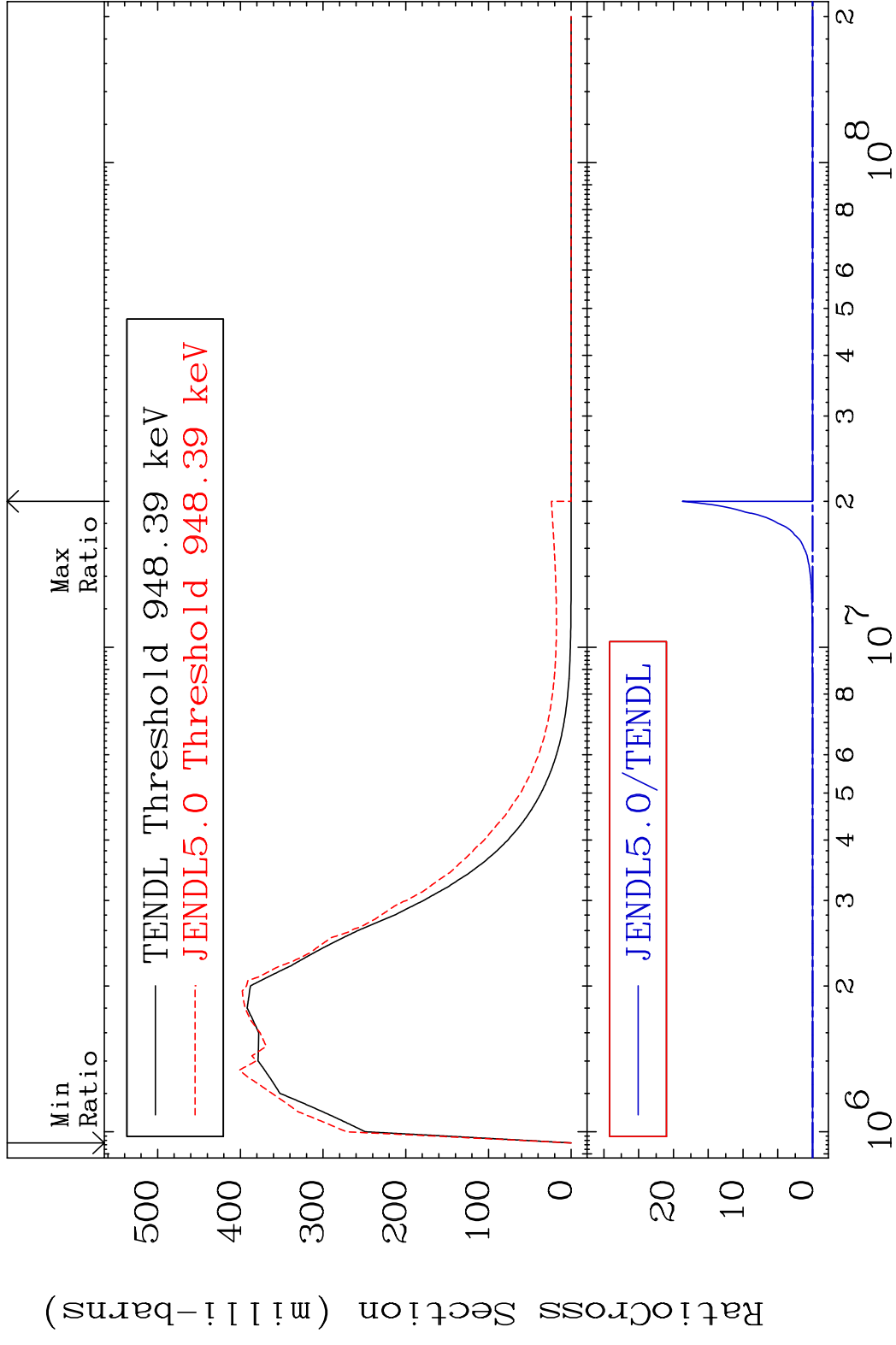


MAT 2628 MT= 51 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 2080. %



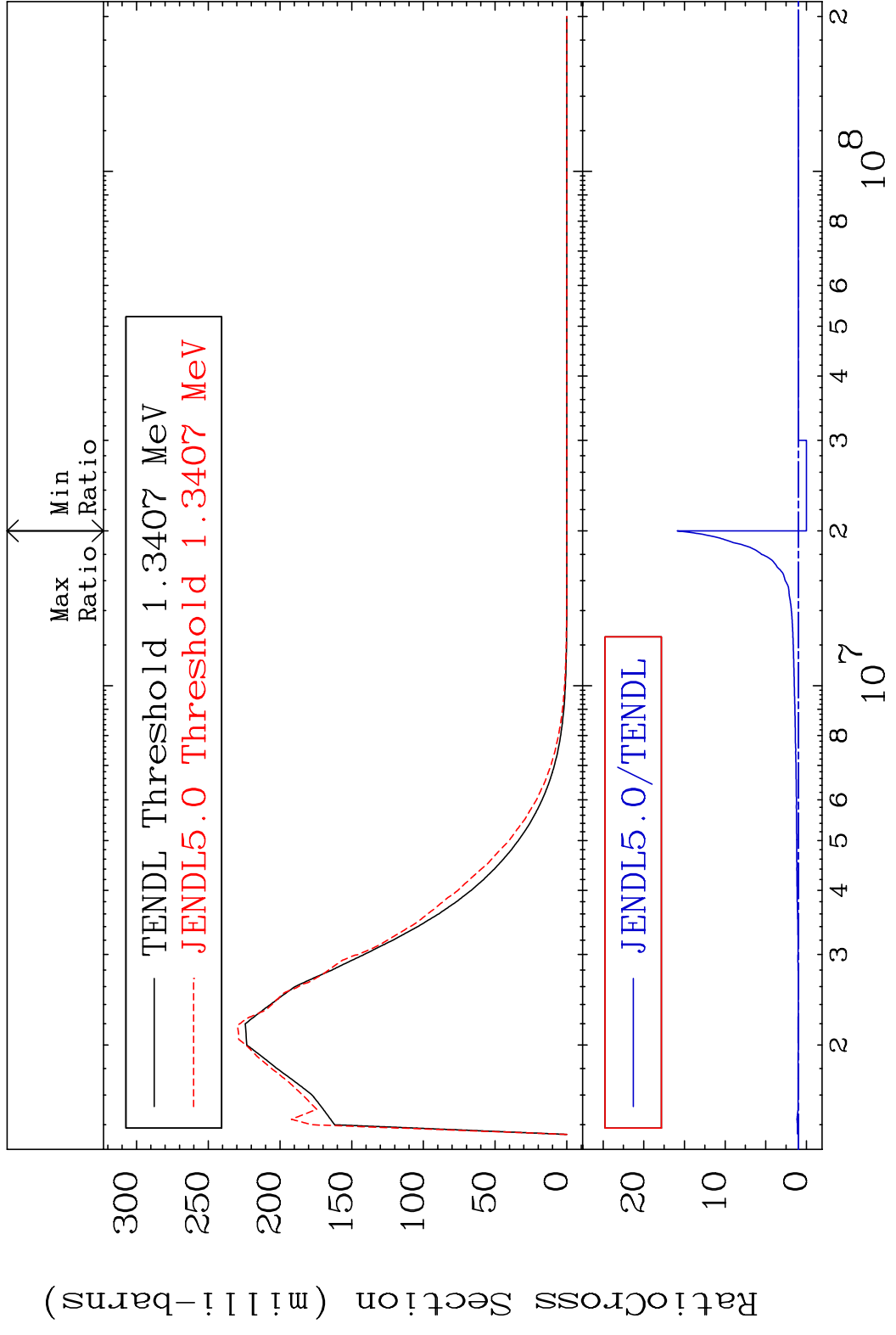
10 26-Fe-55

MAT 2628 MT= 52 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 9999. %

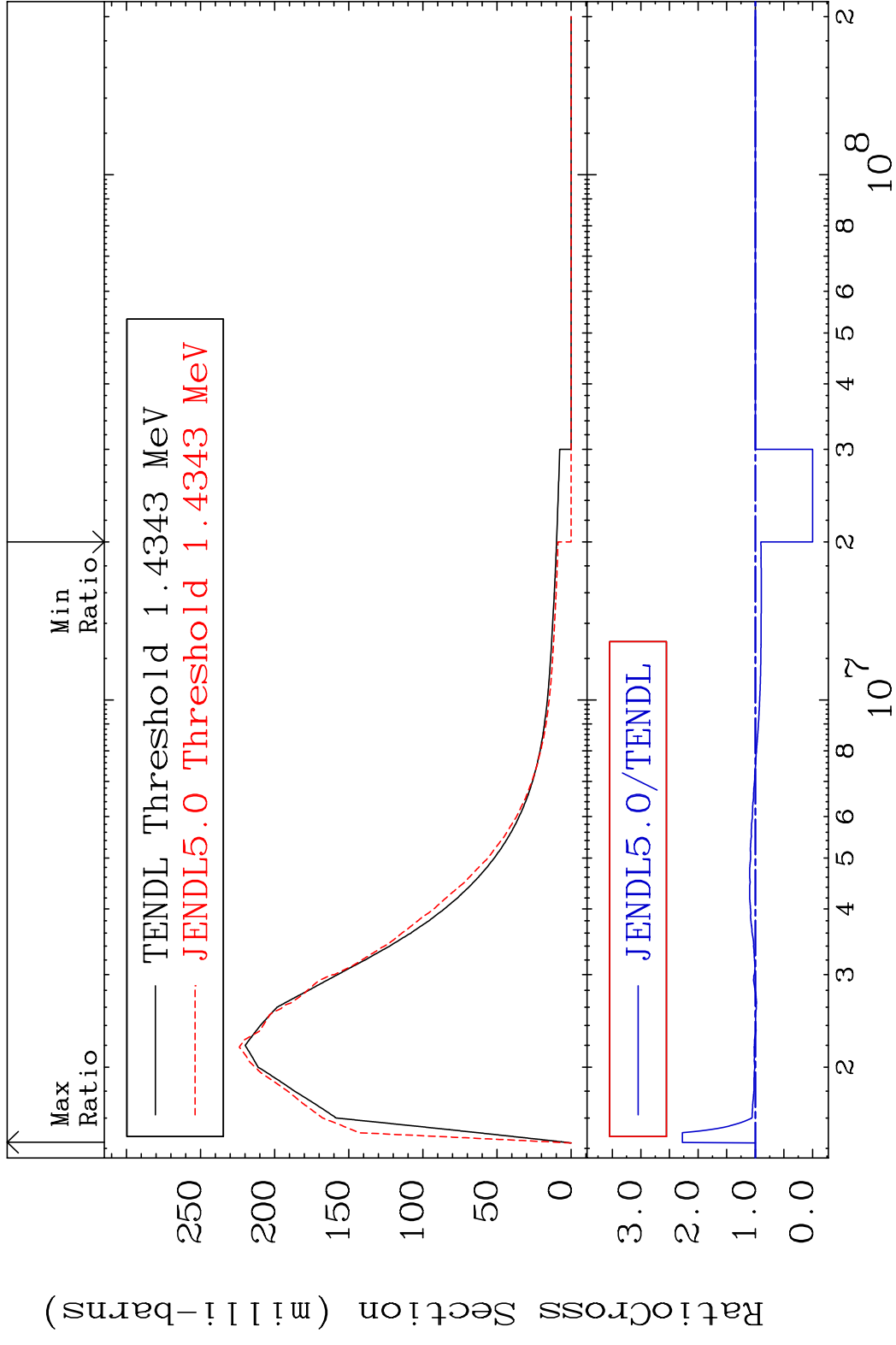


11 Incident Energy (eV) 26-Fe-55

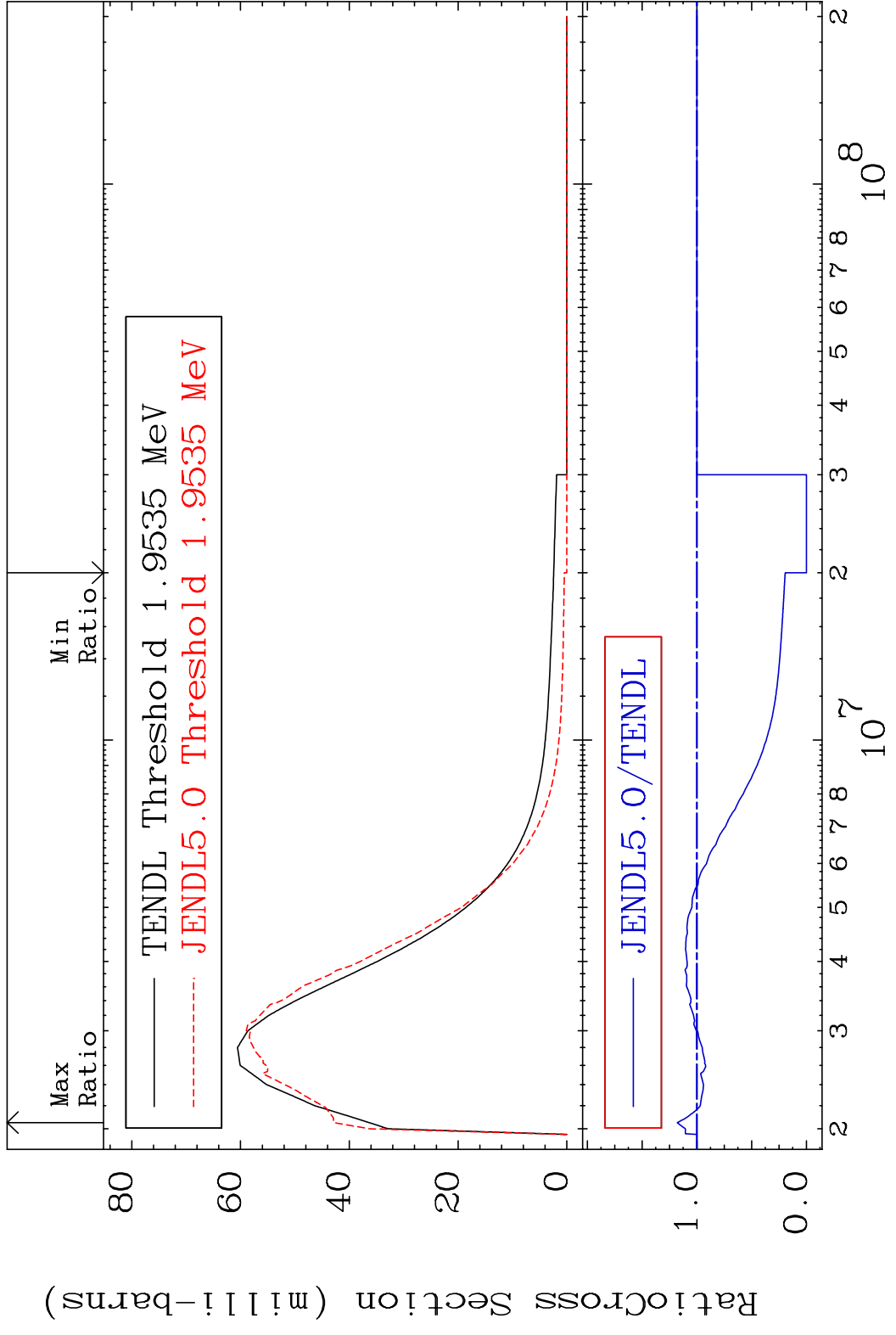
MAT 2628 MT= 53 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 1489. %



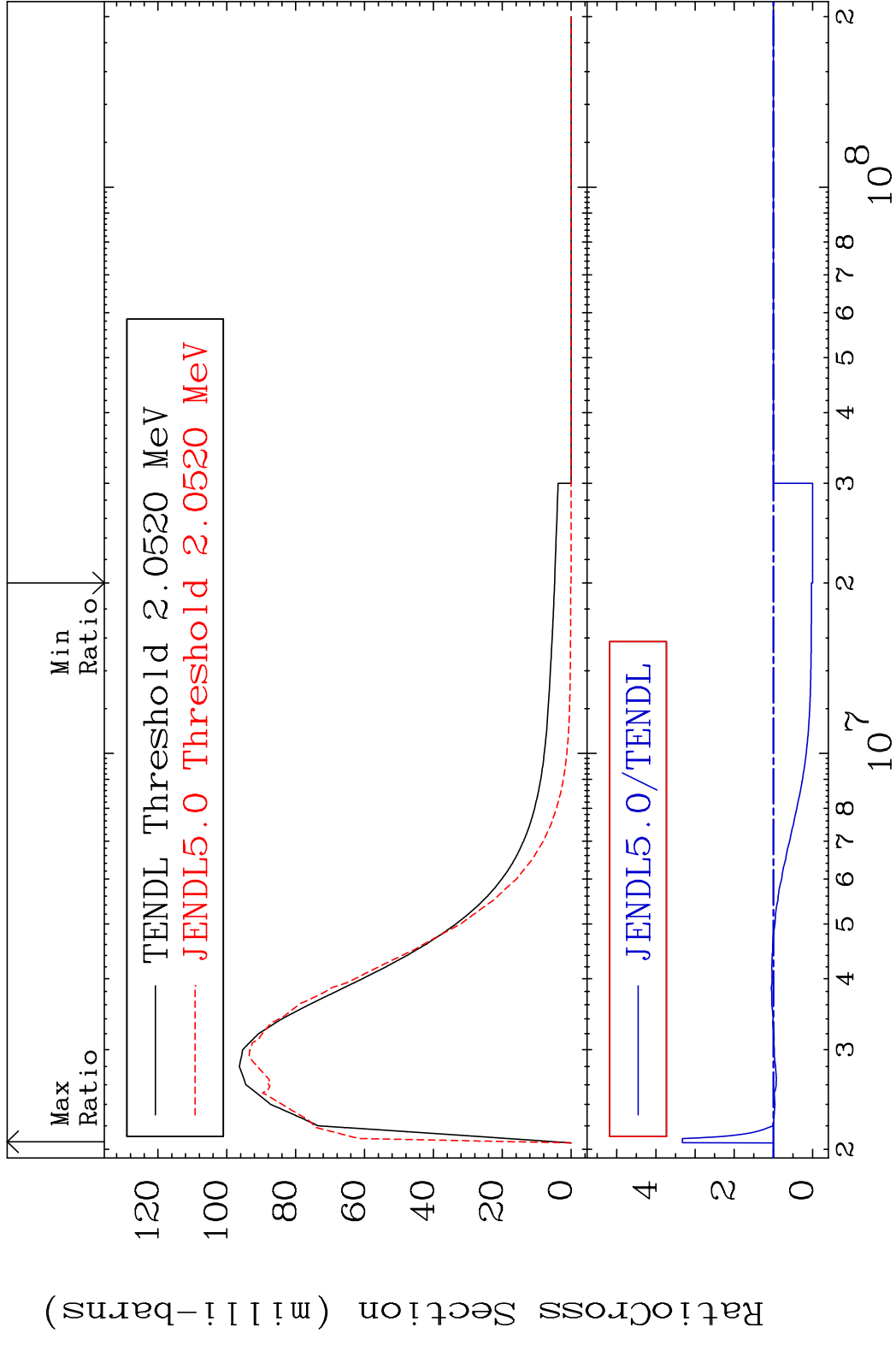
MAT 2628 MT= 54 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 127.5 %



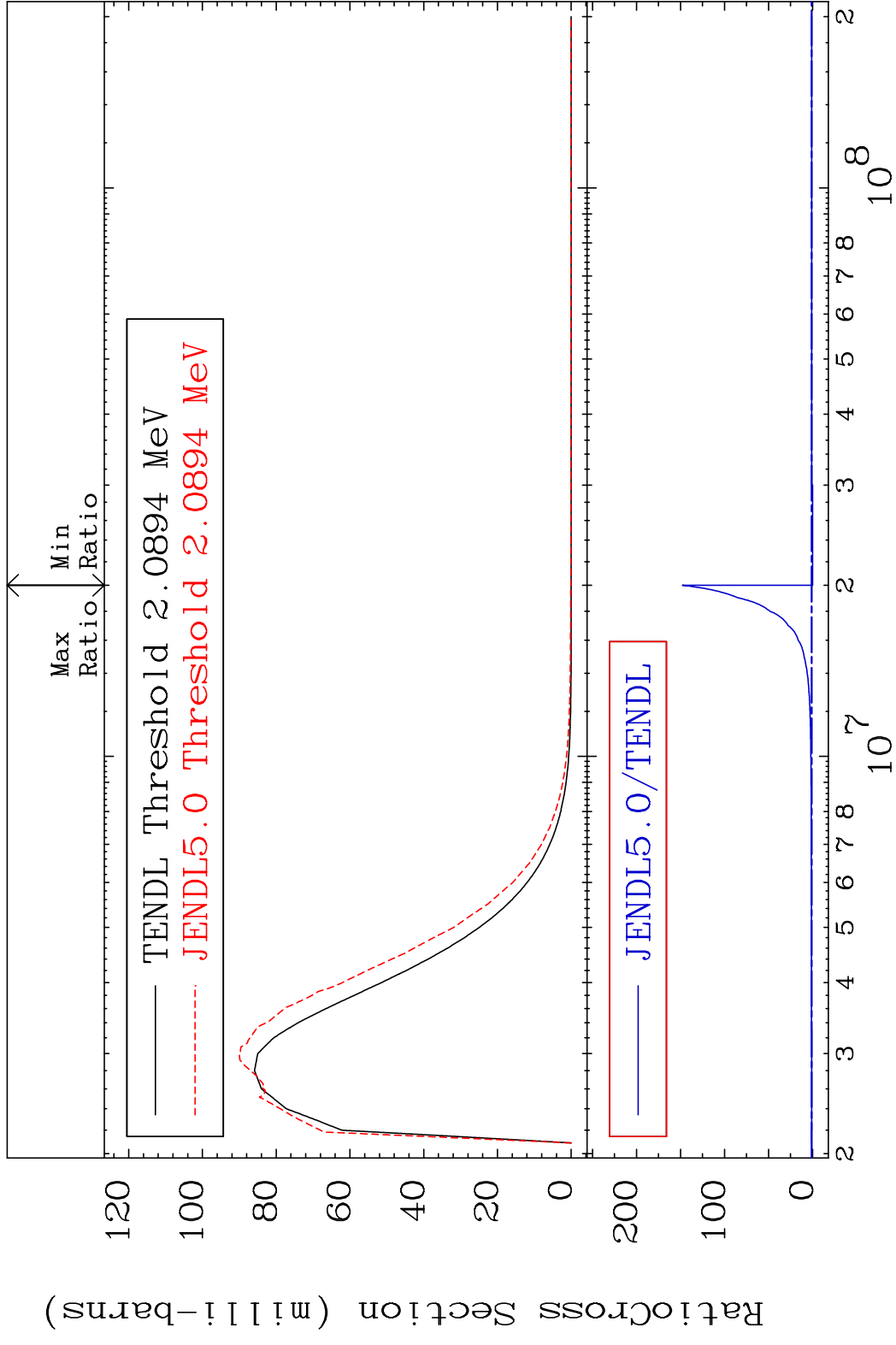
MAT 2628 MT= 55 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 17.96 %



MAT 2628 MT= 56 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 232.5 %

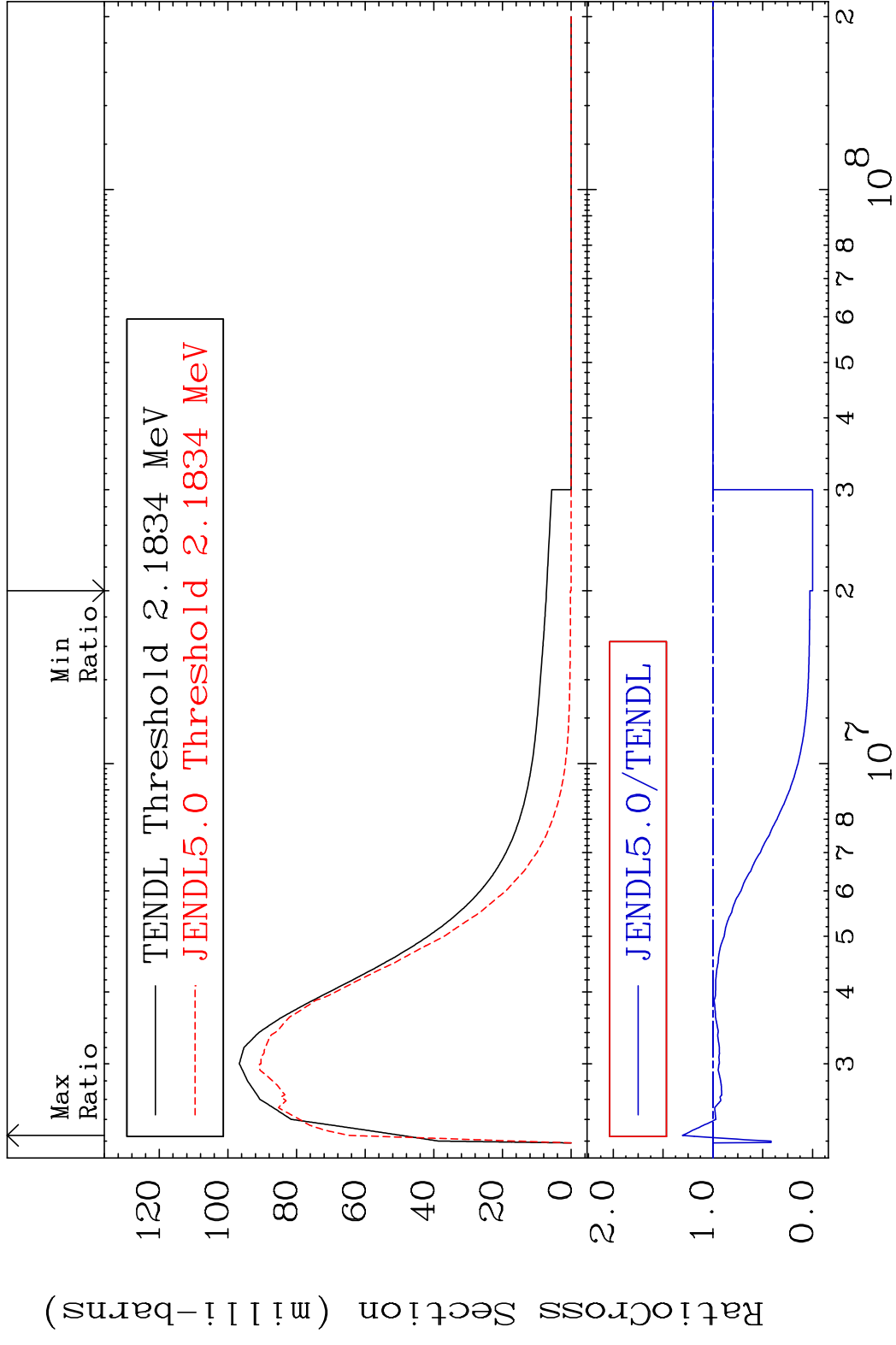


MAT 2628 MT= 57 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 9999. %

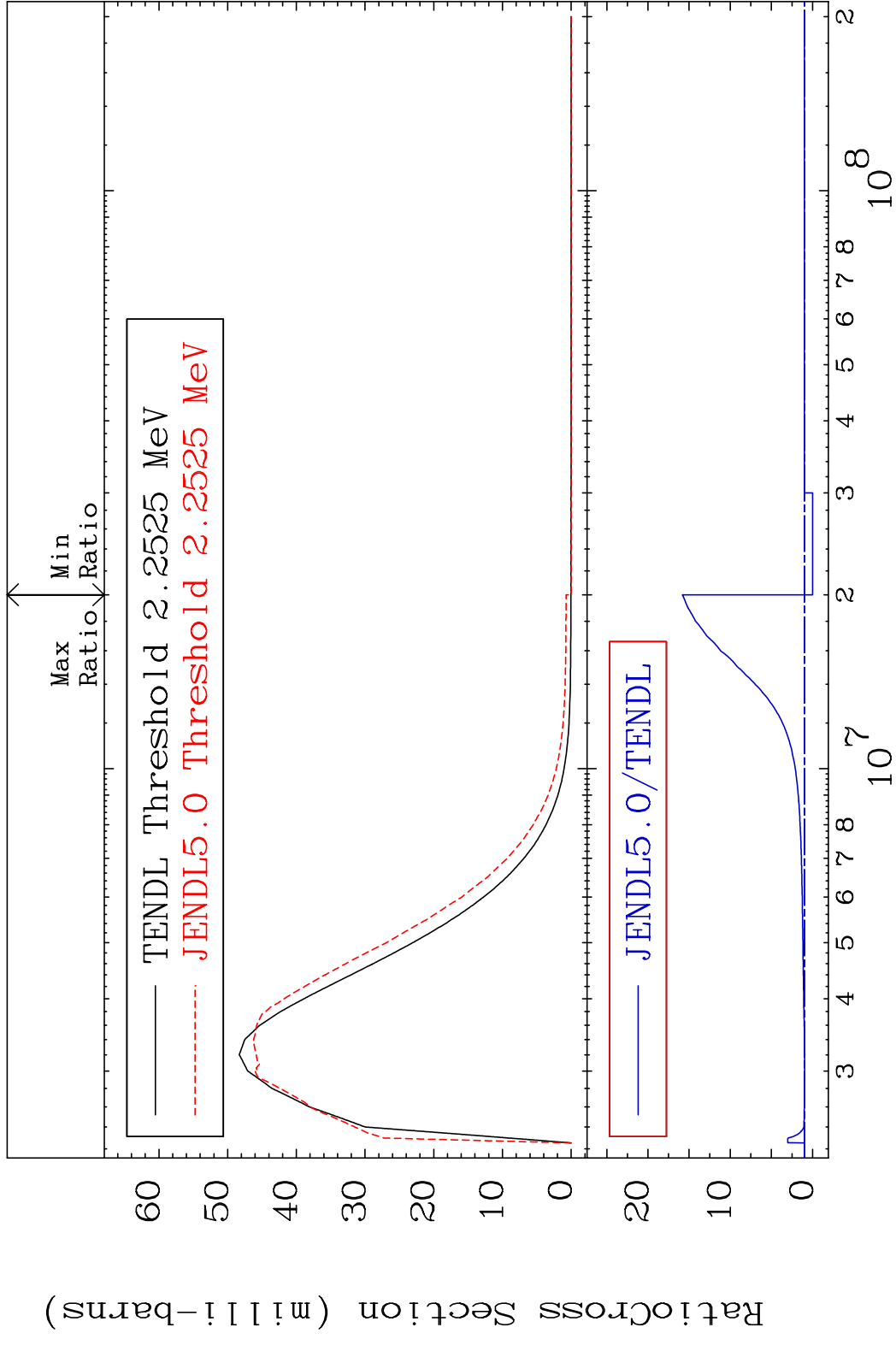


16 Incident Energy (eV) 26-Fe-55

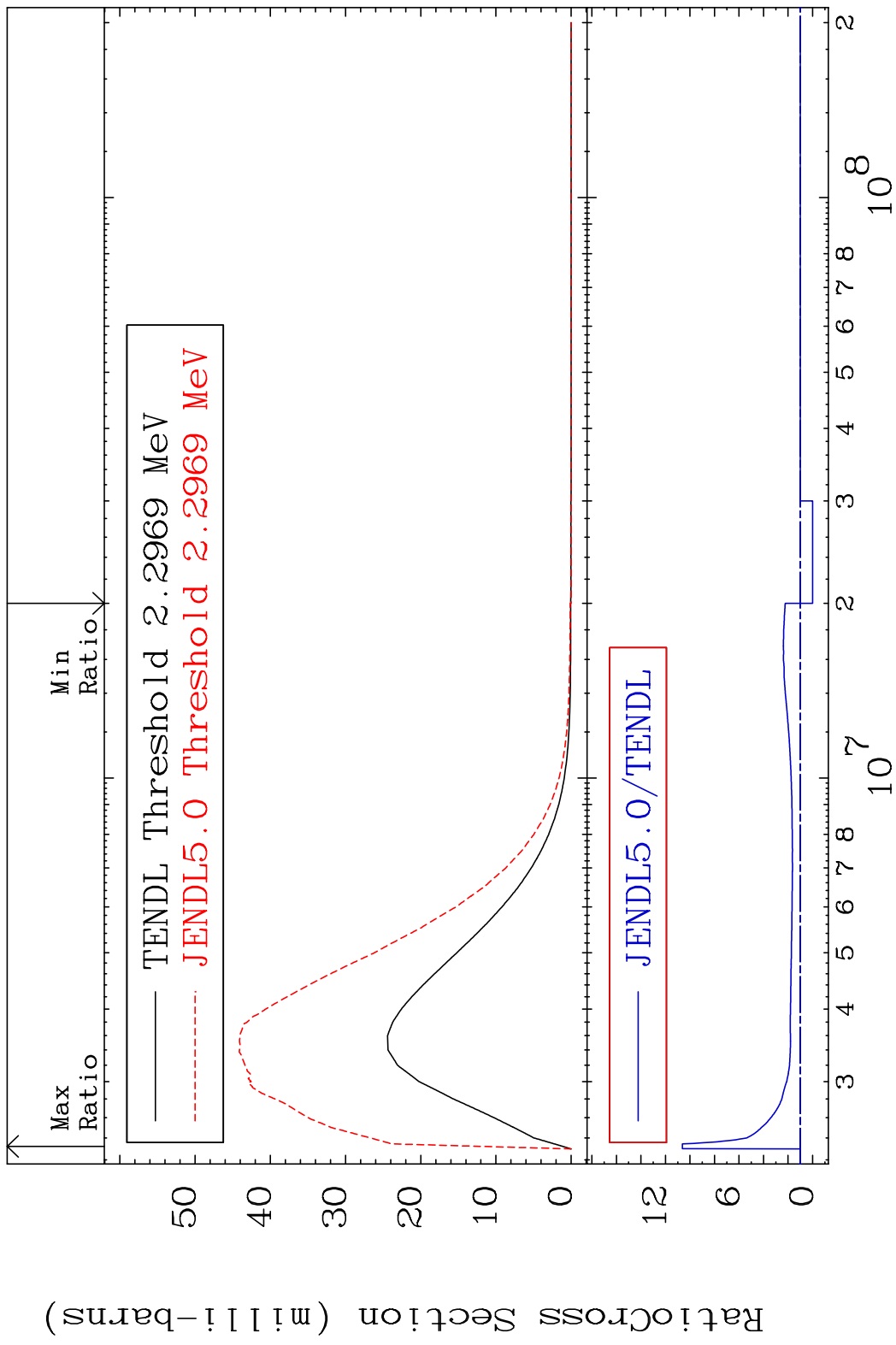
MAT 2628 MT= 58 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 30.68 %



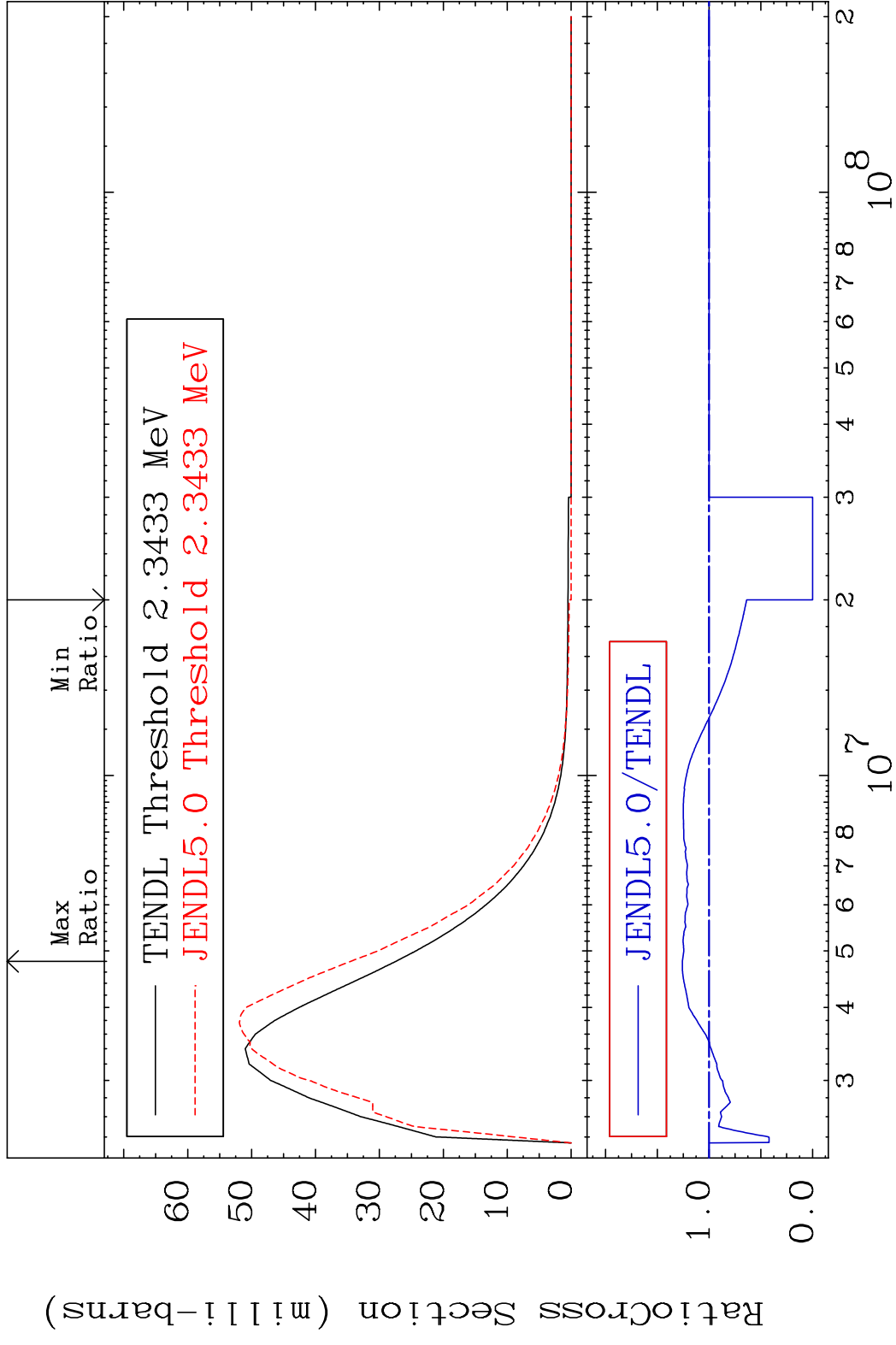
MAT 2628 MT= 59 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 1482. %



MAT 2628 MT= 60 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 962.2 %



MAT 2628 MT= 61 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 25.84 %

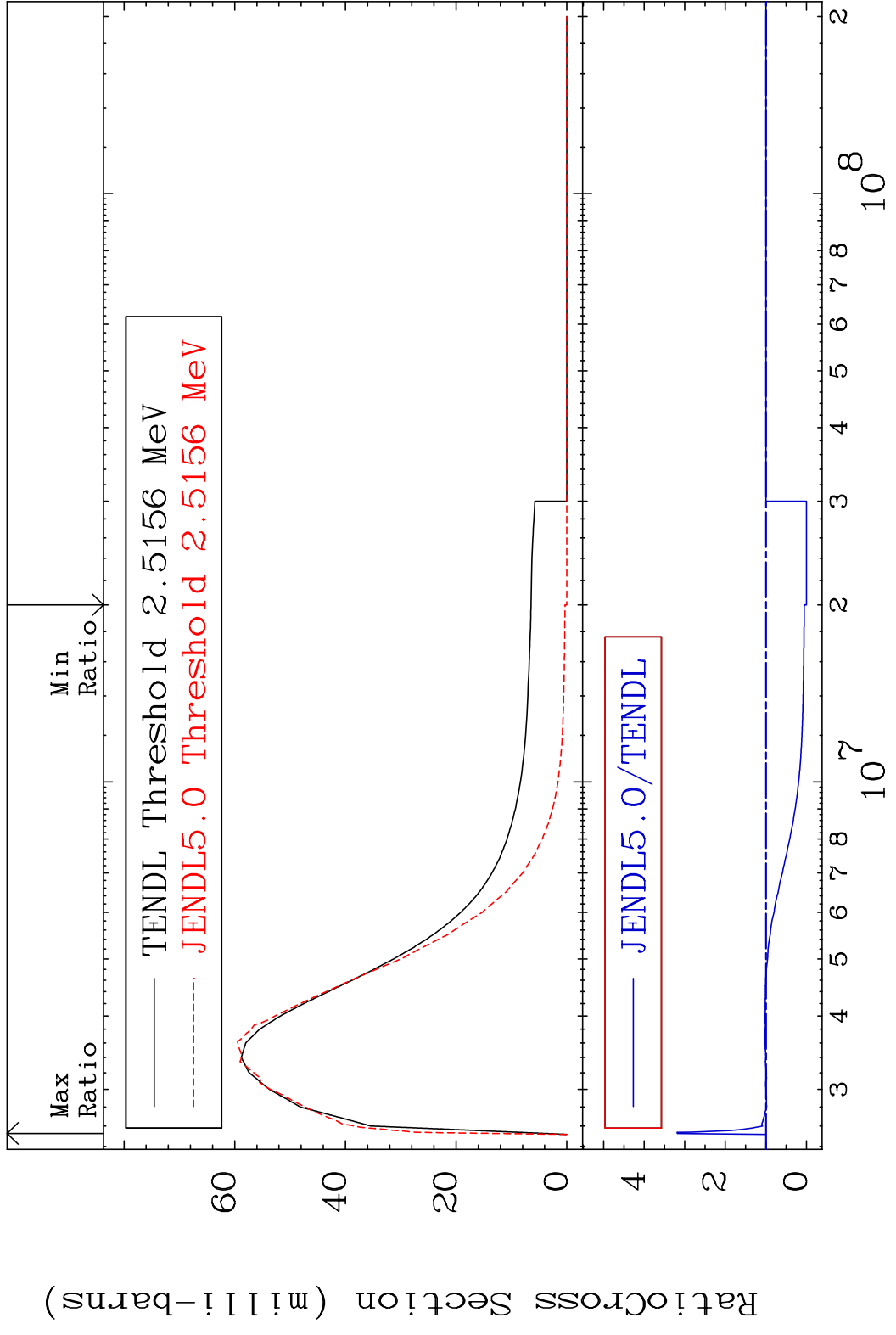


20

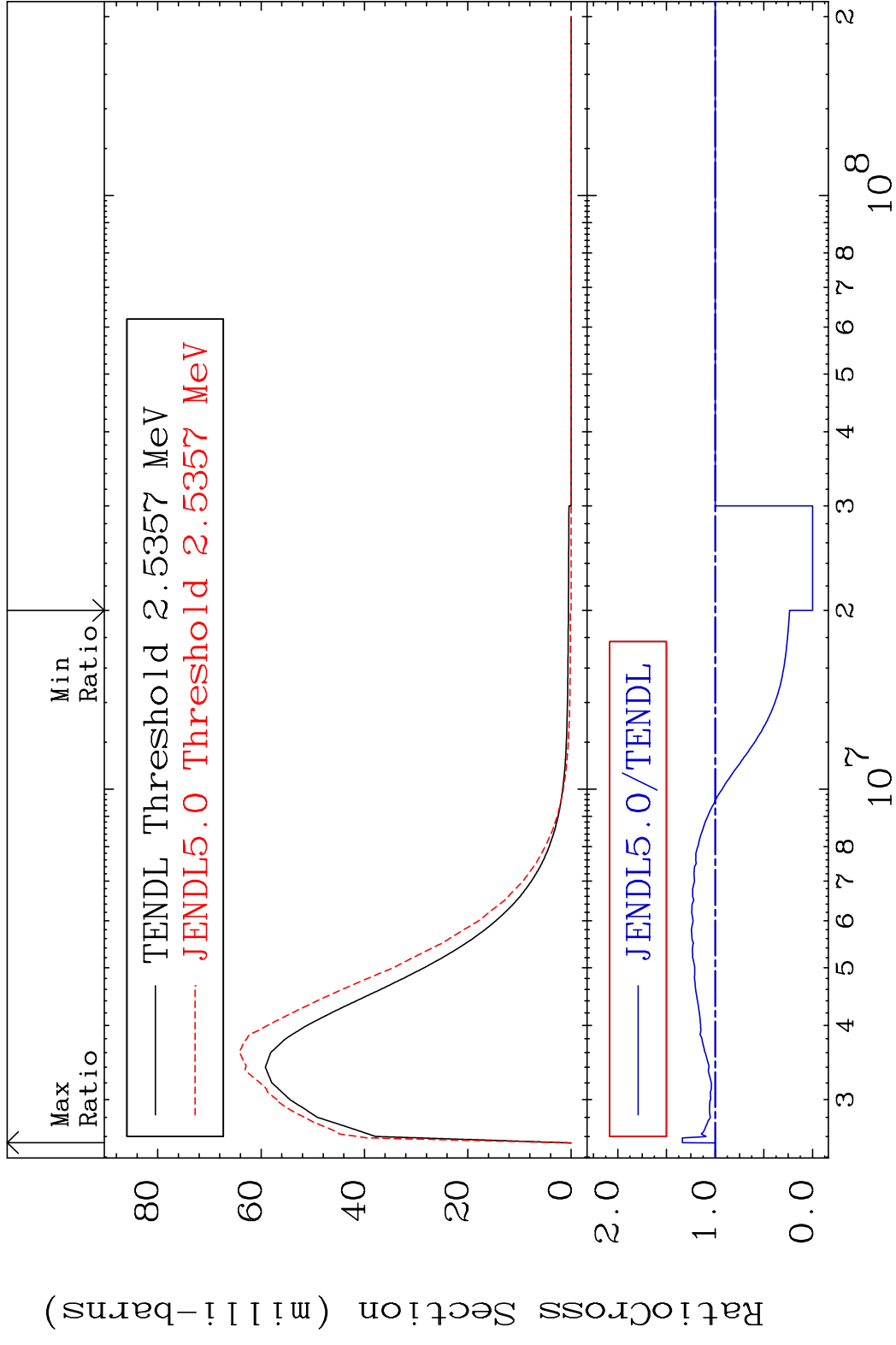
Incident Energy (eV)

26-Fe-55

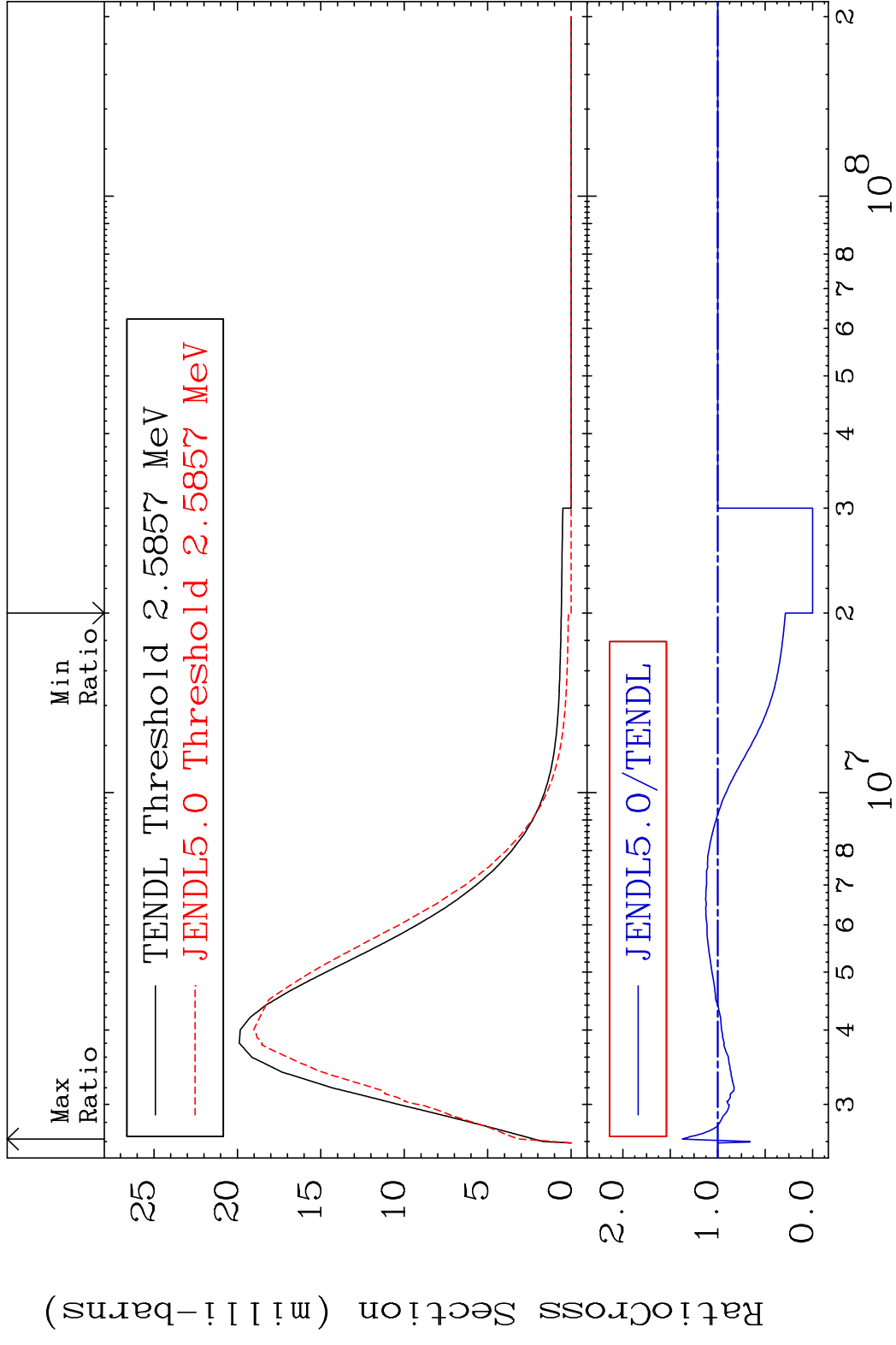
MAT 2628 MT= 62 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 218.7 %



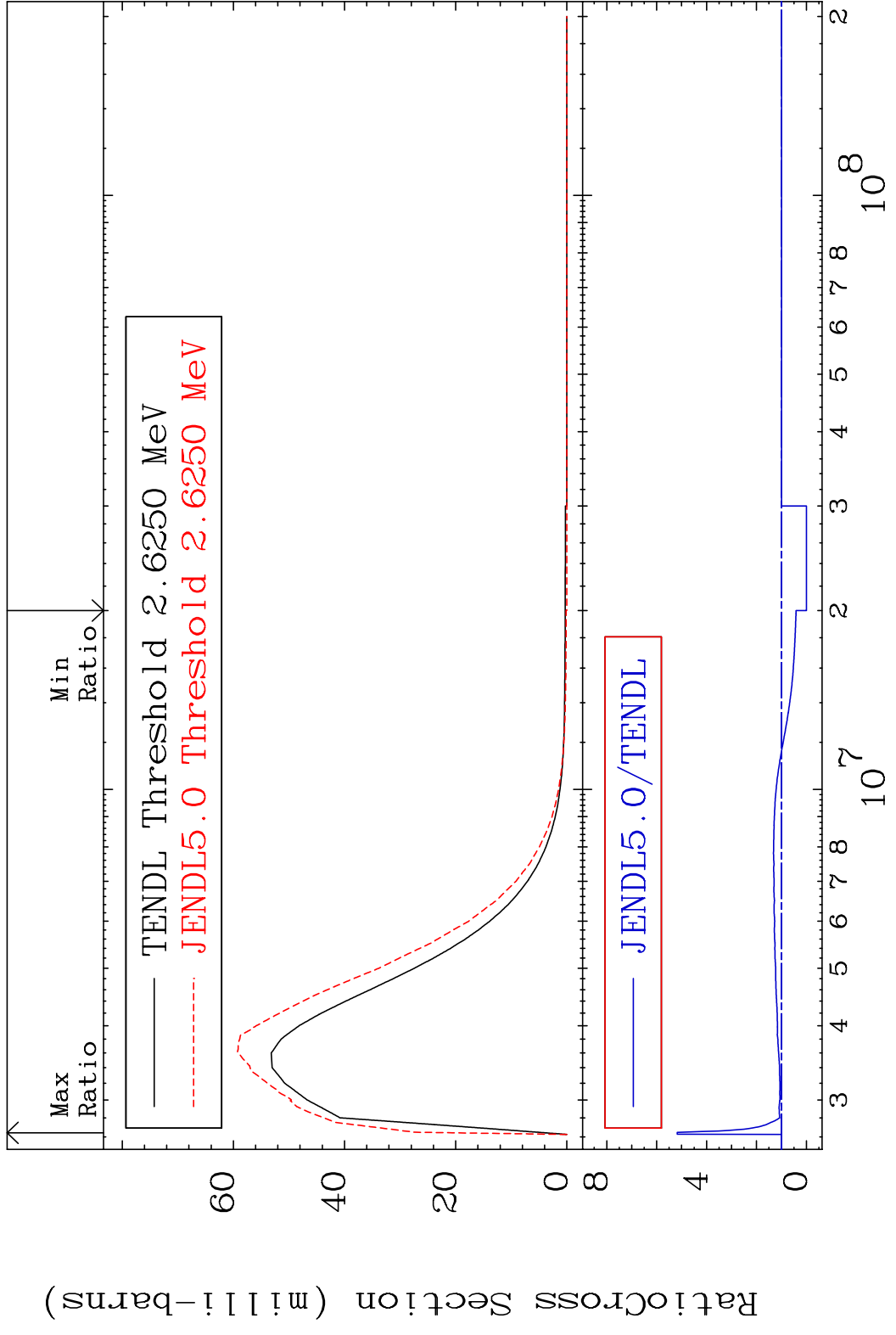
MAT 2628 MT= 63 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 33.75 %



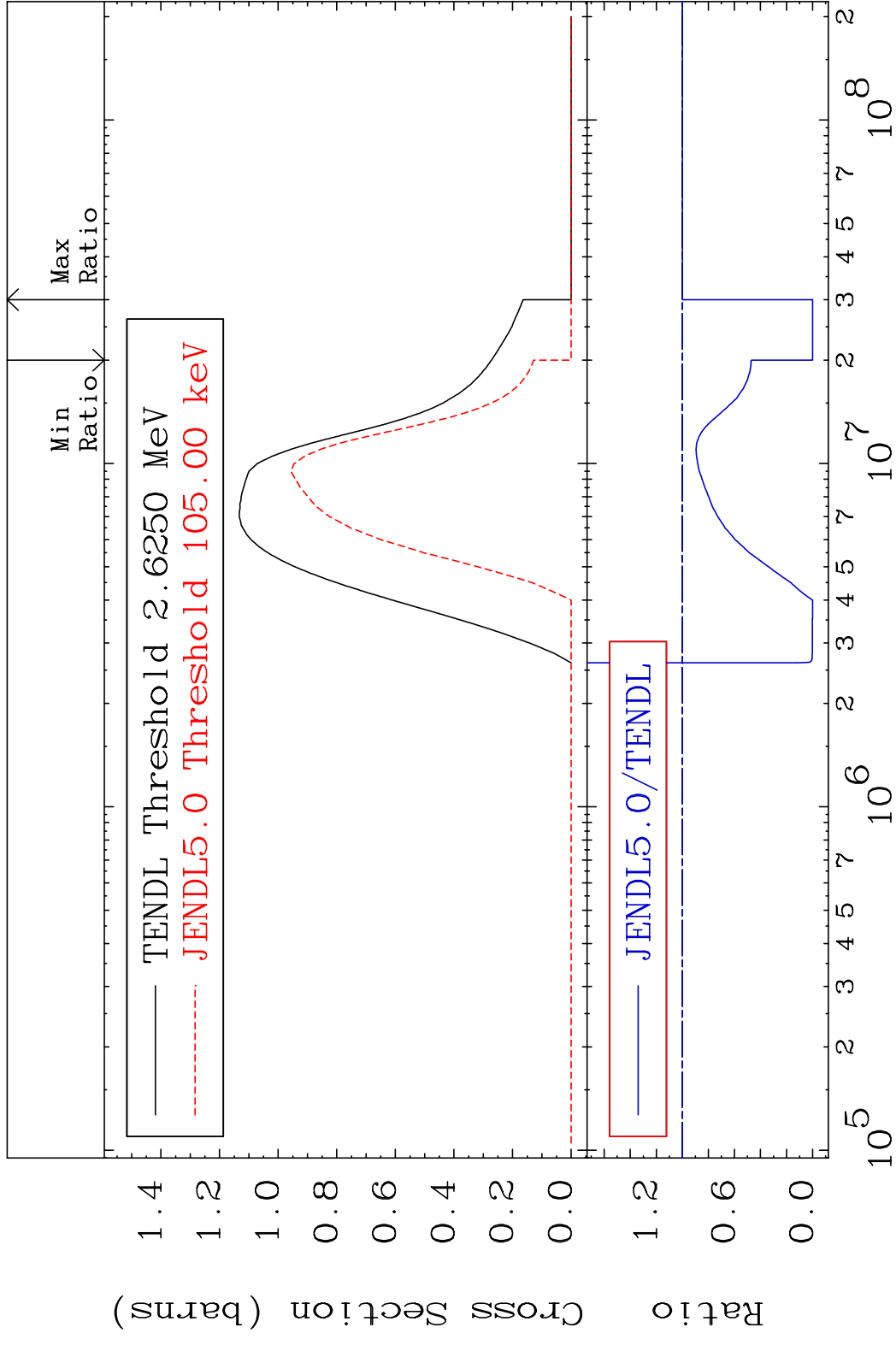
MAT 2628 MT= 64 (n,n') Level 26-Fe-55
 Cross Section -100.0 To 37.29 %



MAT 2628 MT= 65 (n, n') Level 26-Fe-55
 Cross Section -100.0 To 417.8 %



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



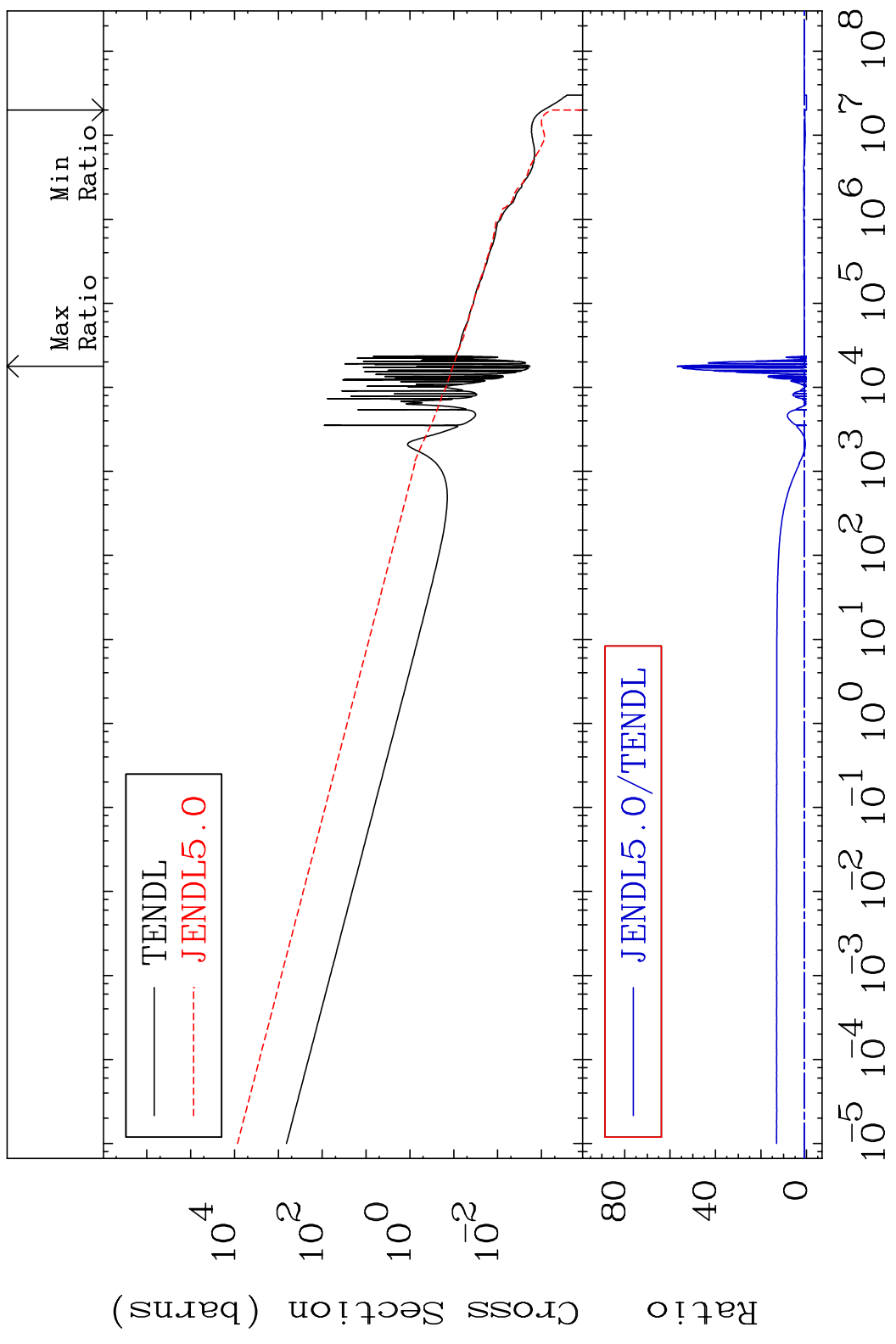
25 Incident Energy (eV) 26-Fe-55

MAT 2628

(n, γ)

26-Fe-55

Cross Section -100.0 To 5587. %



26

Incident Energy (eV)

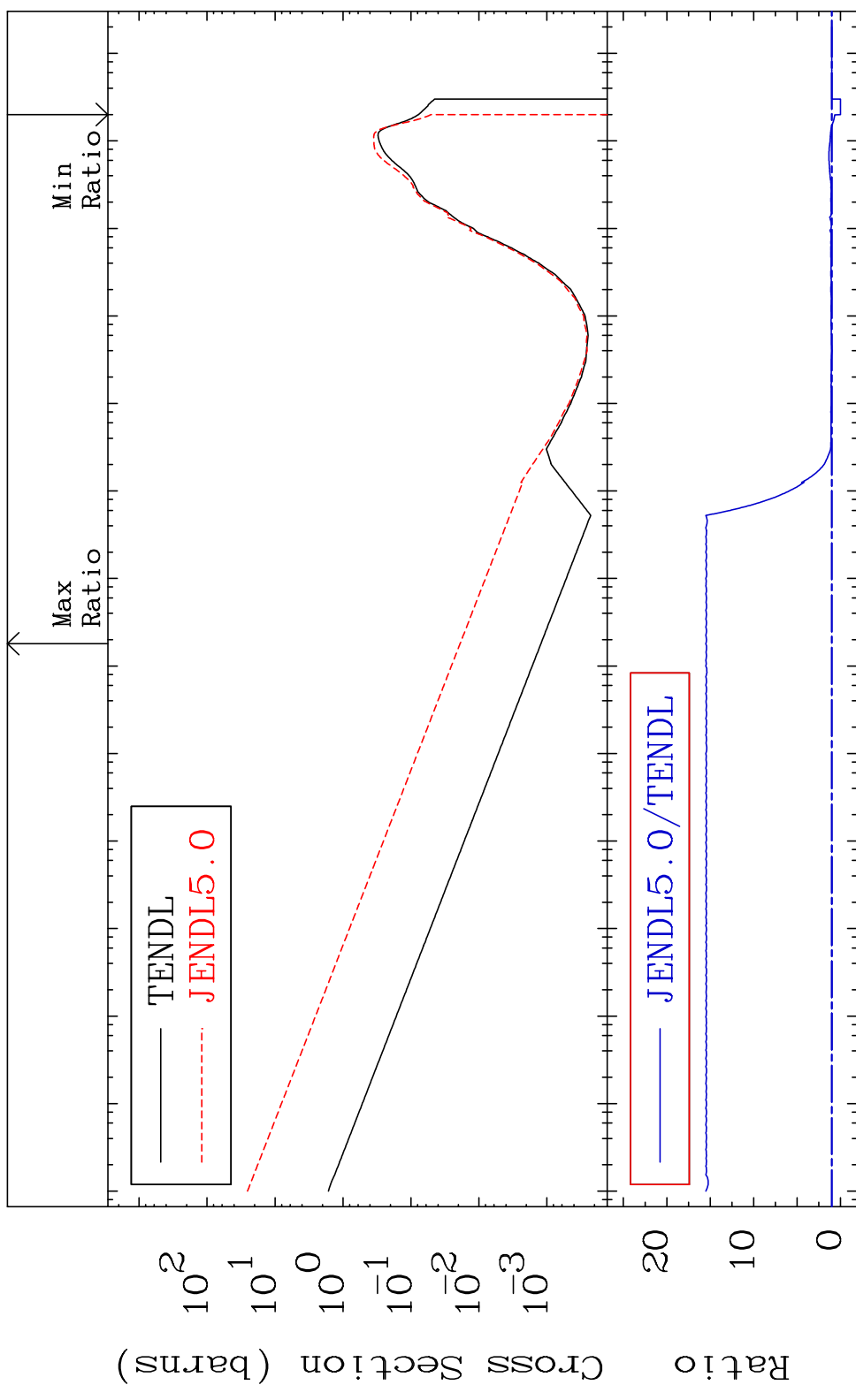
26-Fe-55

MAT 2628

(n,p)

26-Fe-55

Cross Section -100.0 To 1451. %

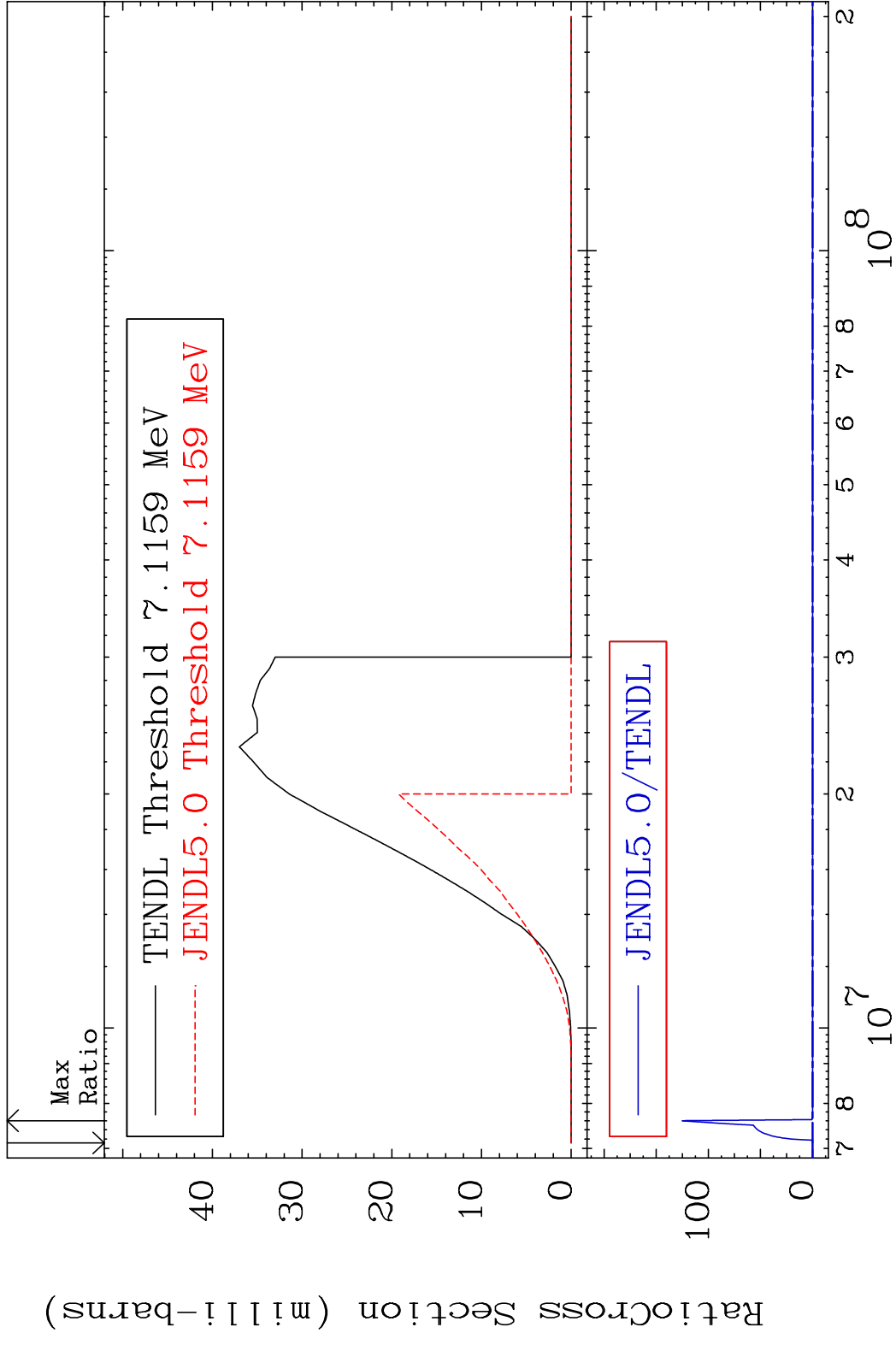


27

Incident Energy (eV)

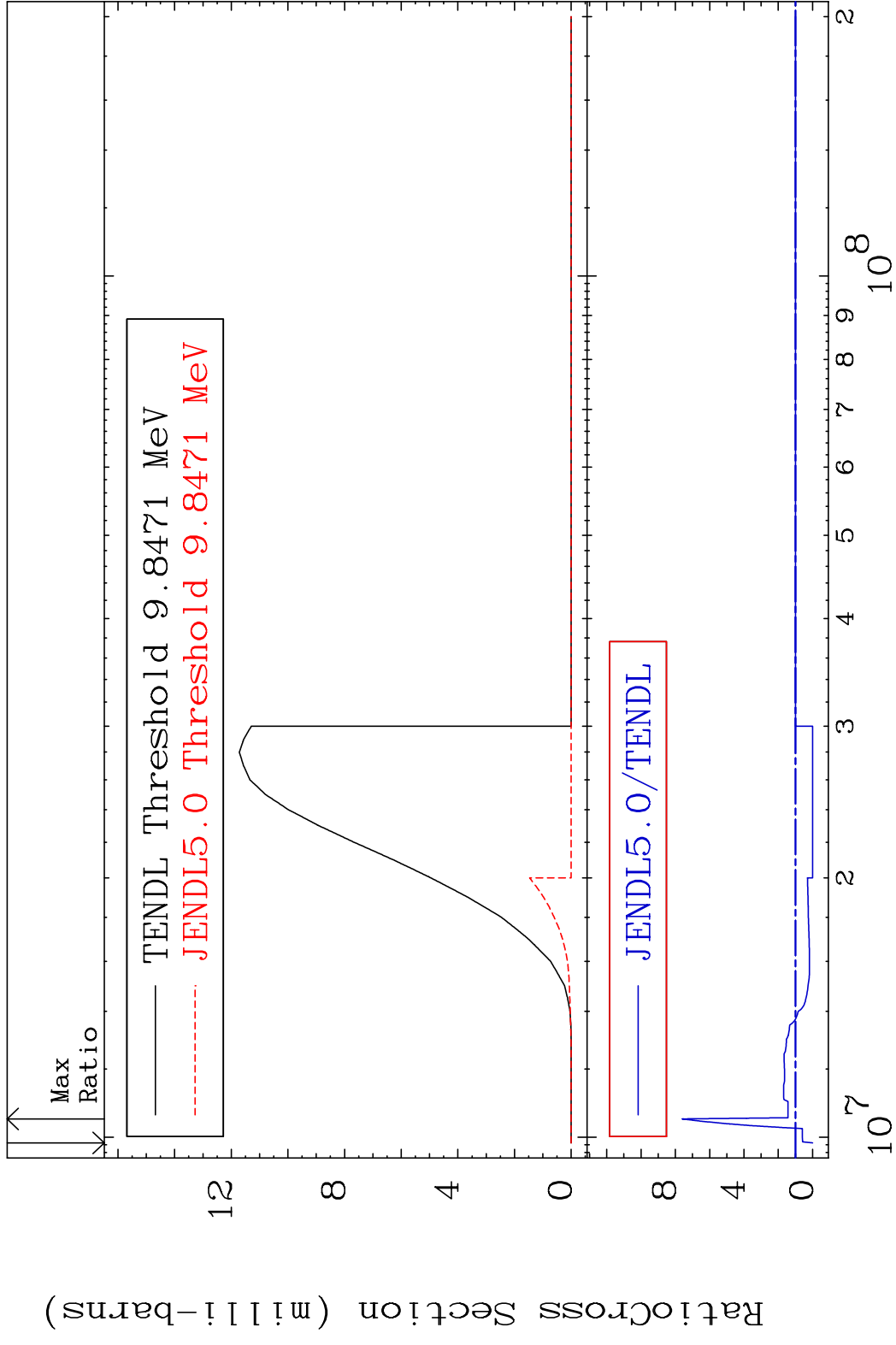
26-Fe-55

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



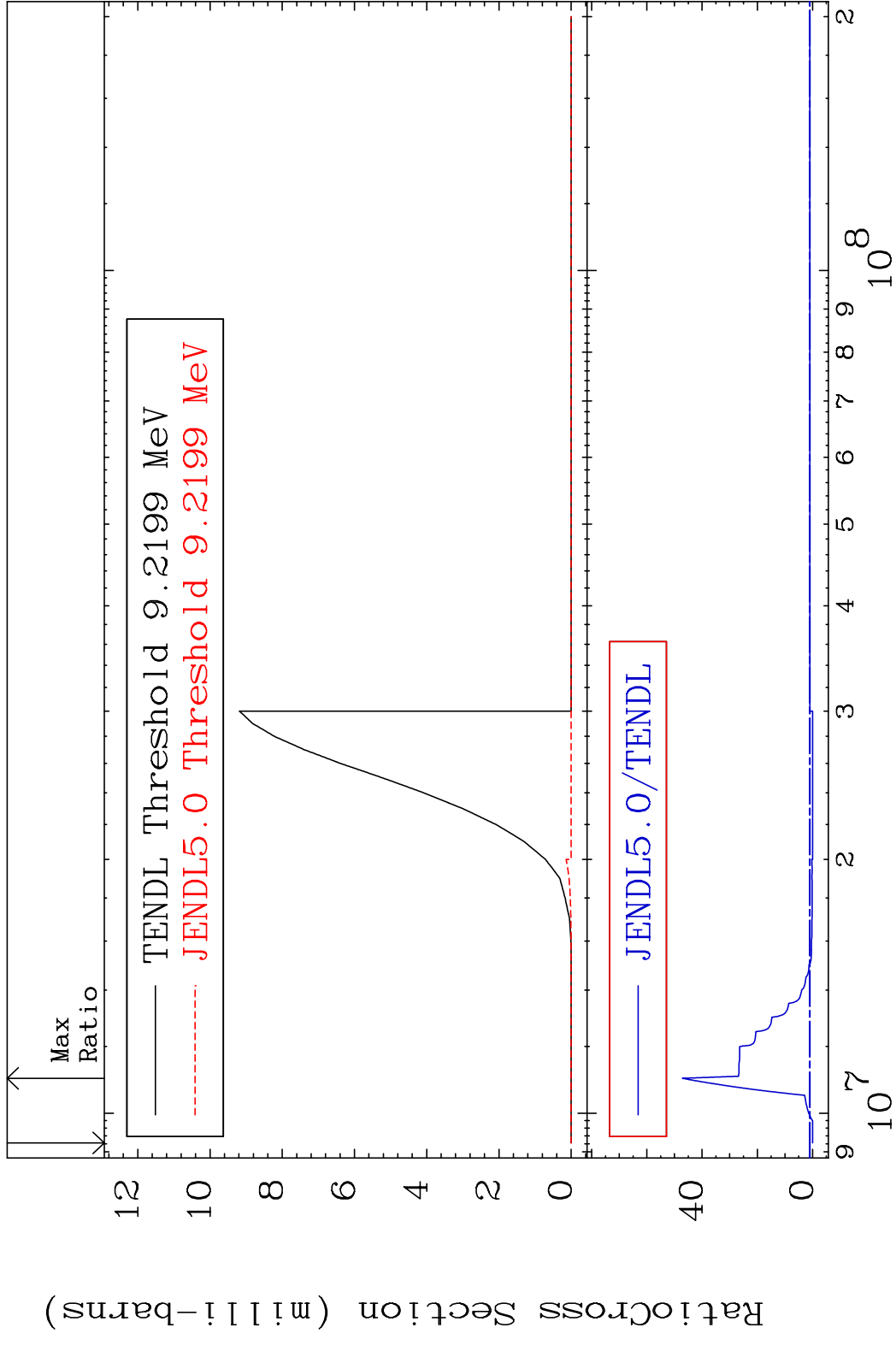
28 26-Fe-55

MAT 2628 (n, t) 26-Fe-55
 Cross Section -100.0 To 659.1 %



29 26-Fe-55

MAT 2628 (n, He-3) ²⁶Fe-55
 Cross Section -100.0 To 4615. %



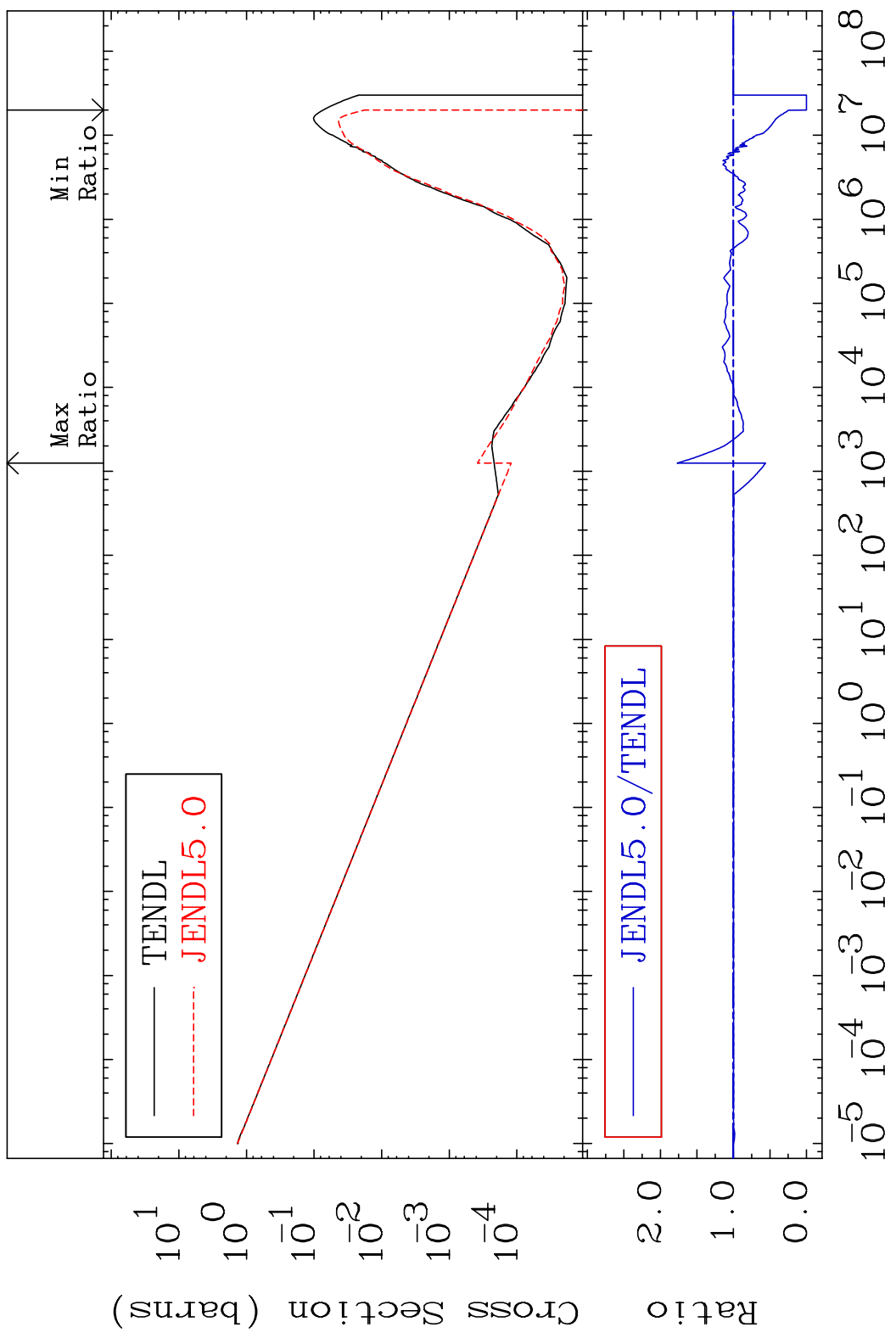
30 26-Fe-55

MAT 2628

(n, α)

26-Fe-55

Cross Section -100.0 To 77.01 %

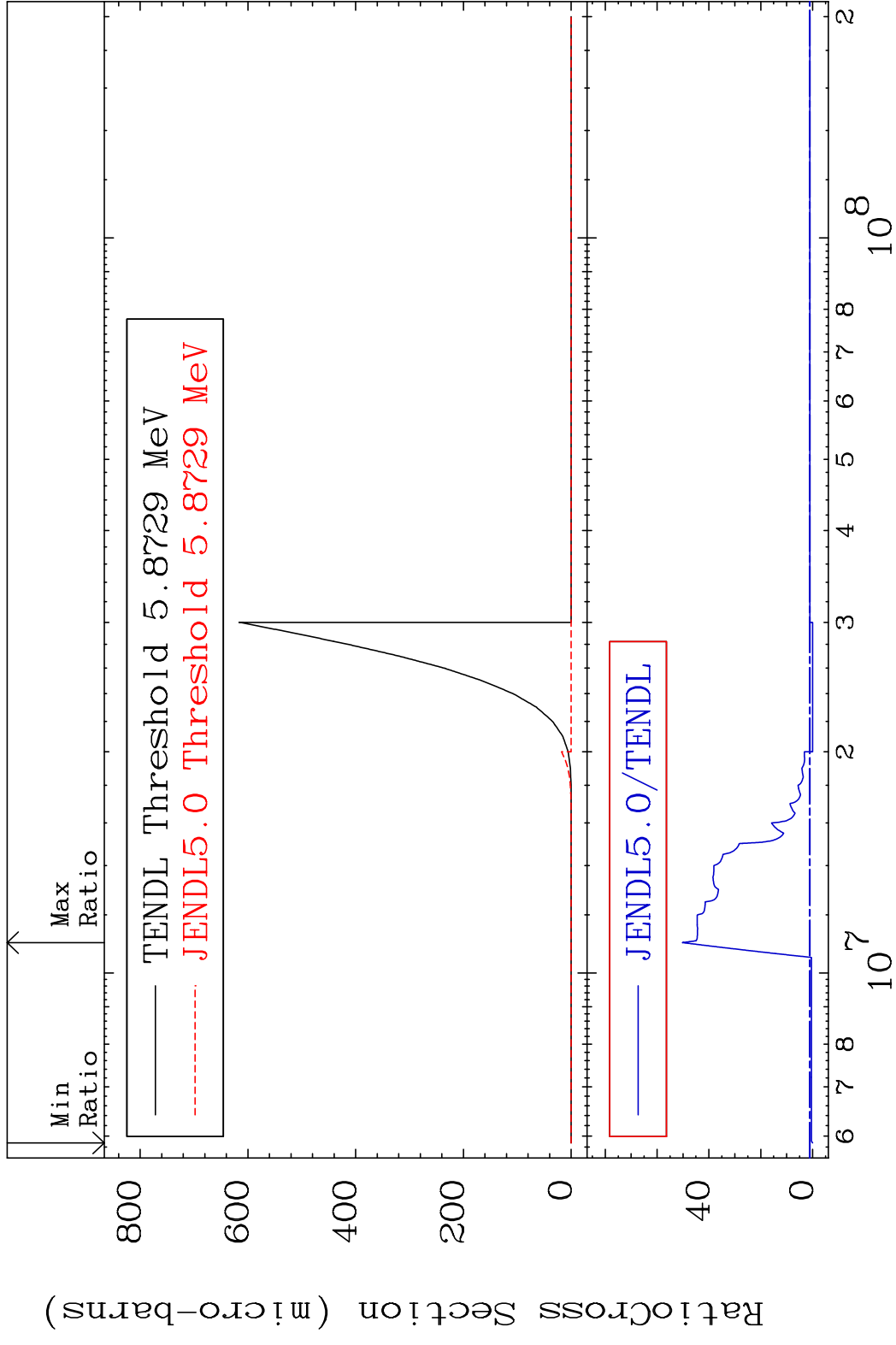


31

Incident Energy (eV)

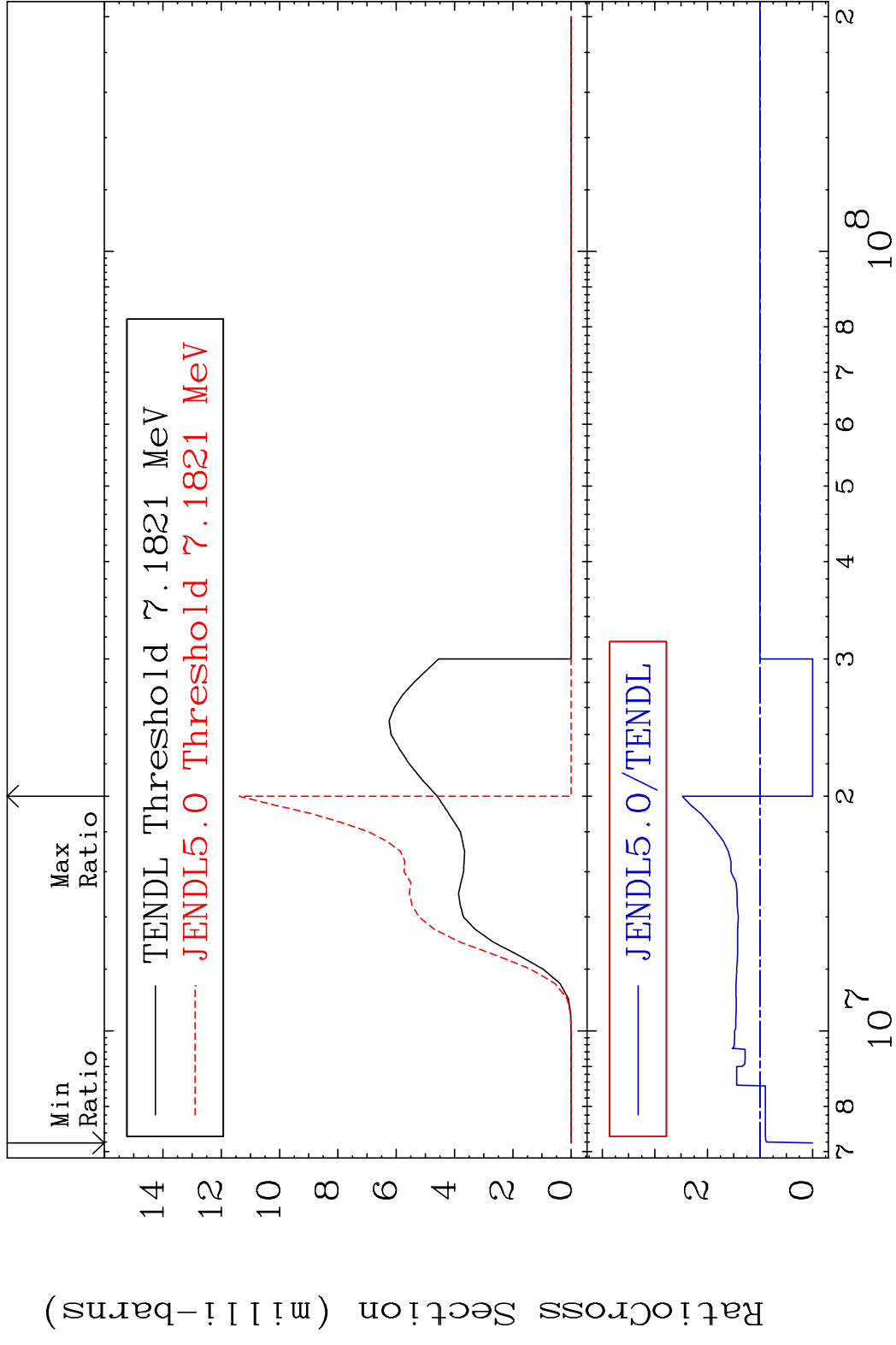
26-Fe-55

MAT 2628 (n,2α) 26-Fe-55
 Cross Section -100.0 To 4924. %

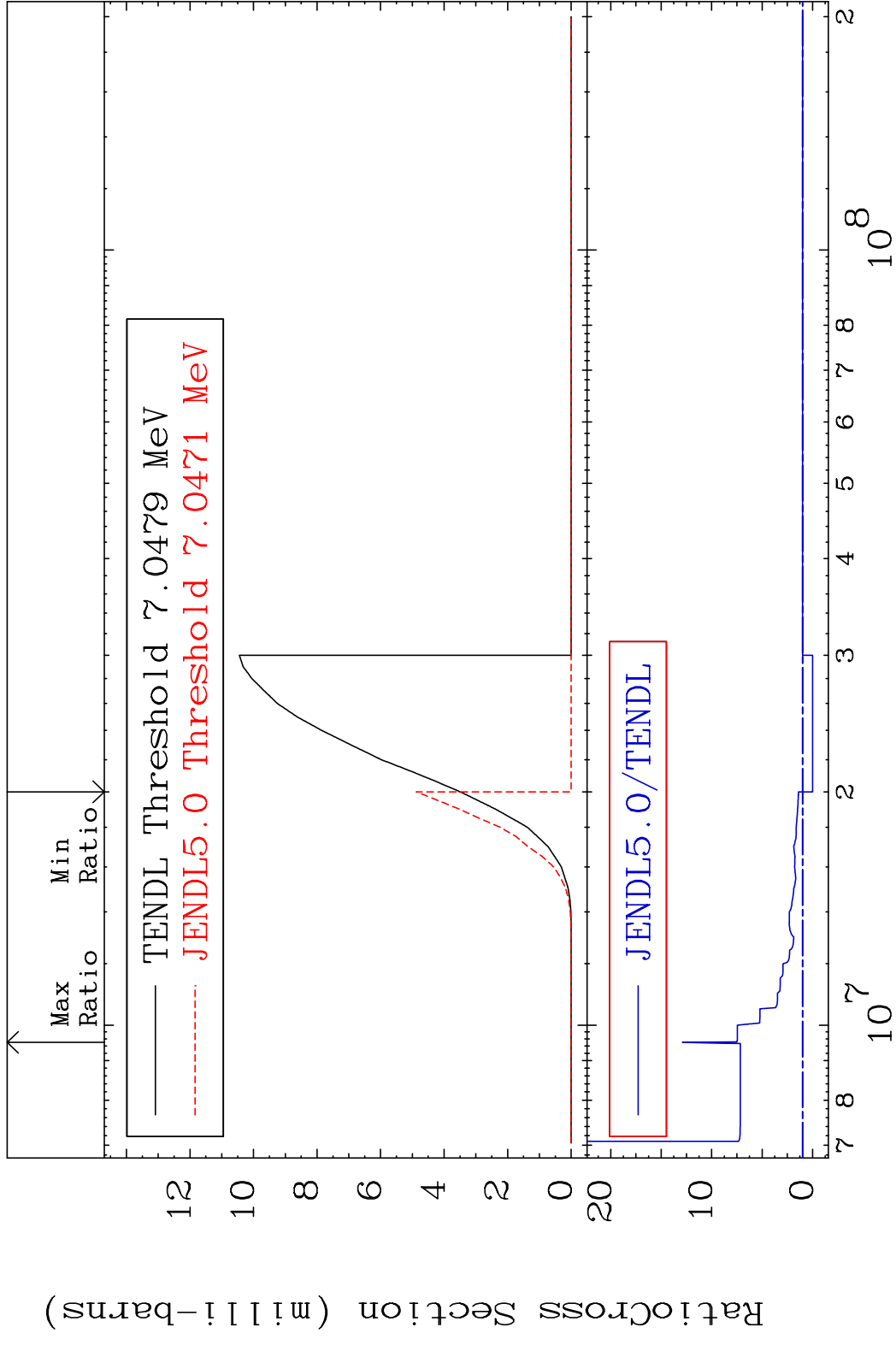


32 Incident Energy (eV) 26-Fe-55

MAT 2628 (n,2p) 26-Fe-55
 Cross Section -100.0 To 147.6 %

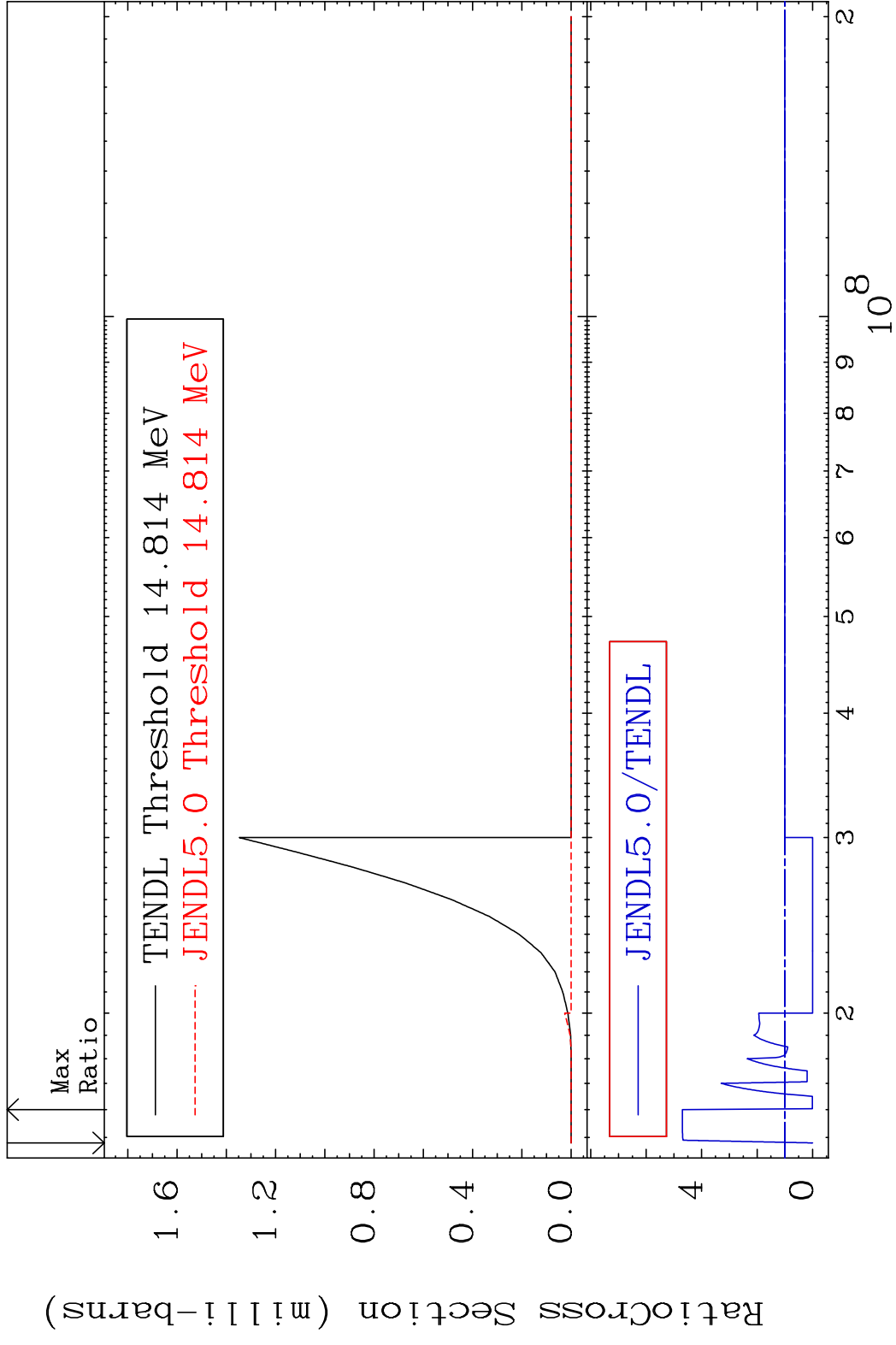


MAT 2628 (n,p) α $^{26}\text{Fe-55}$
 Cross Section -100.0 To 1190. %



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

MAT 2628 (n,p) d 26-Fe-55
 Cross Section -100.0 To 369.6 %

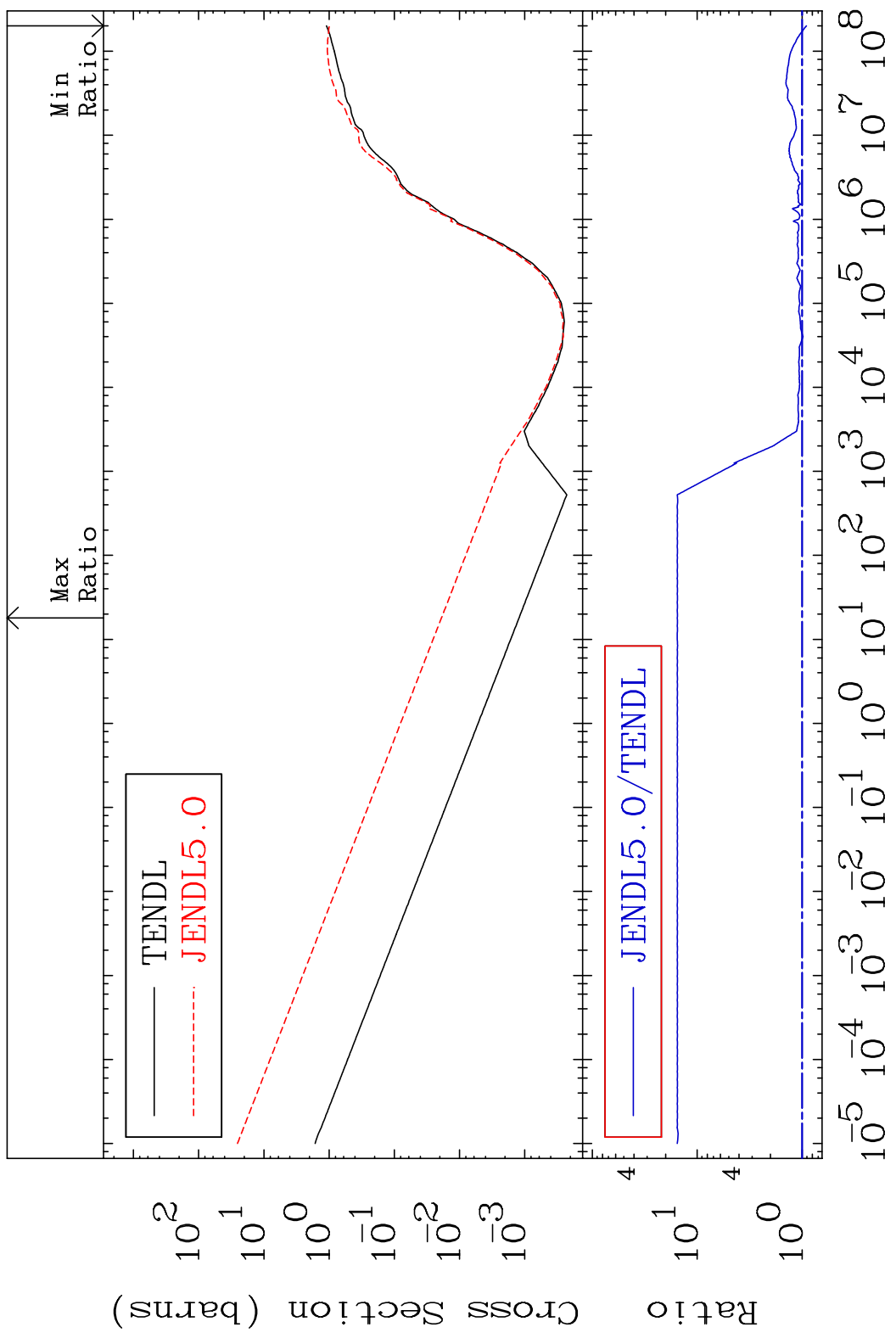


MAT 2628

Hydrogen Production

²⁶Fe-55

Cross Section -9.060 To 1451. %

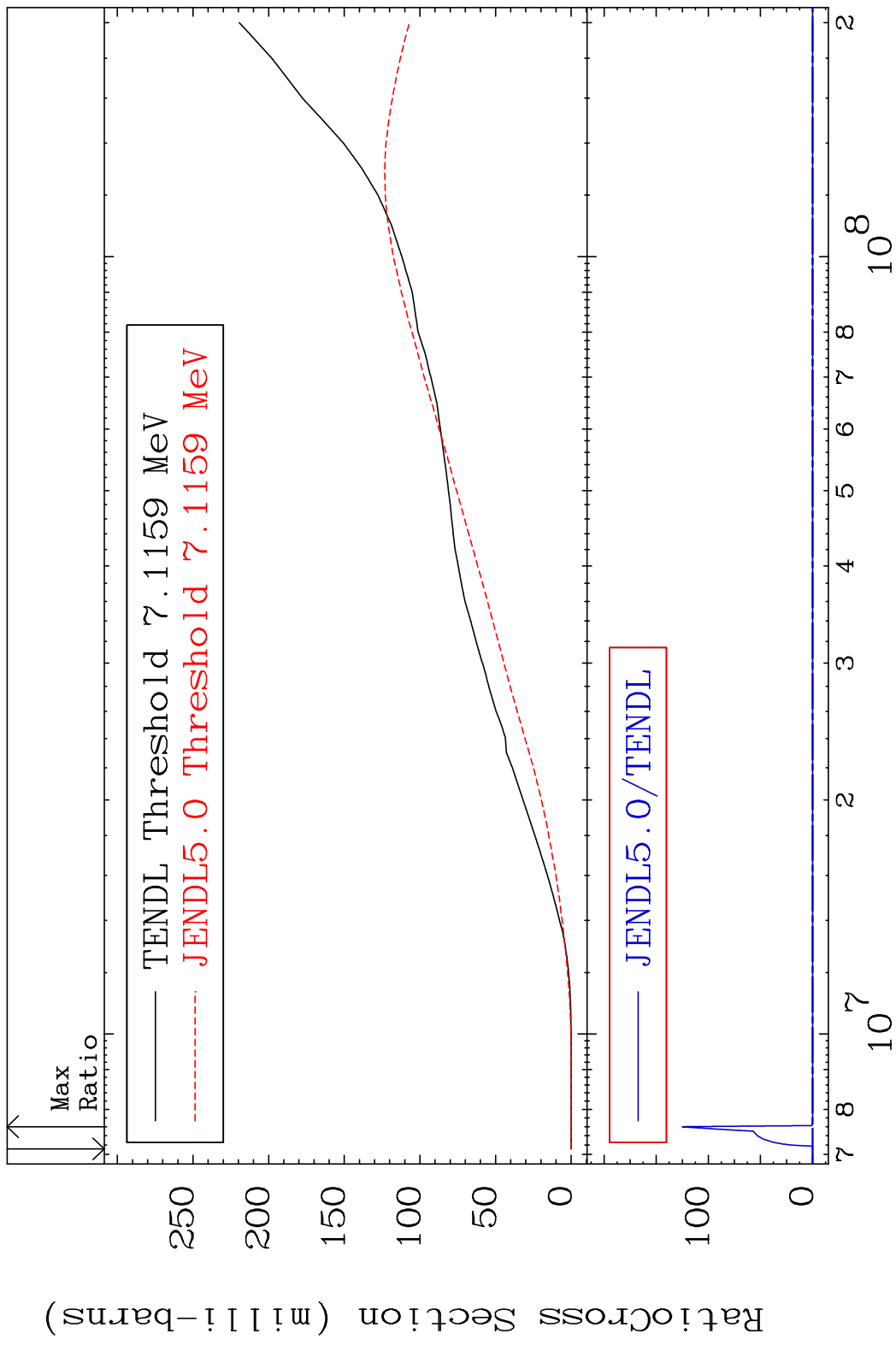


36

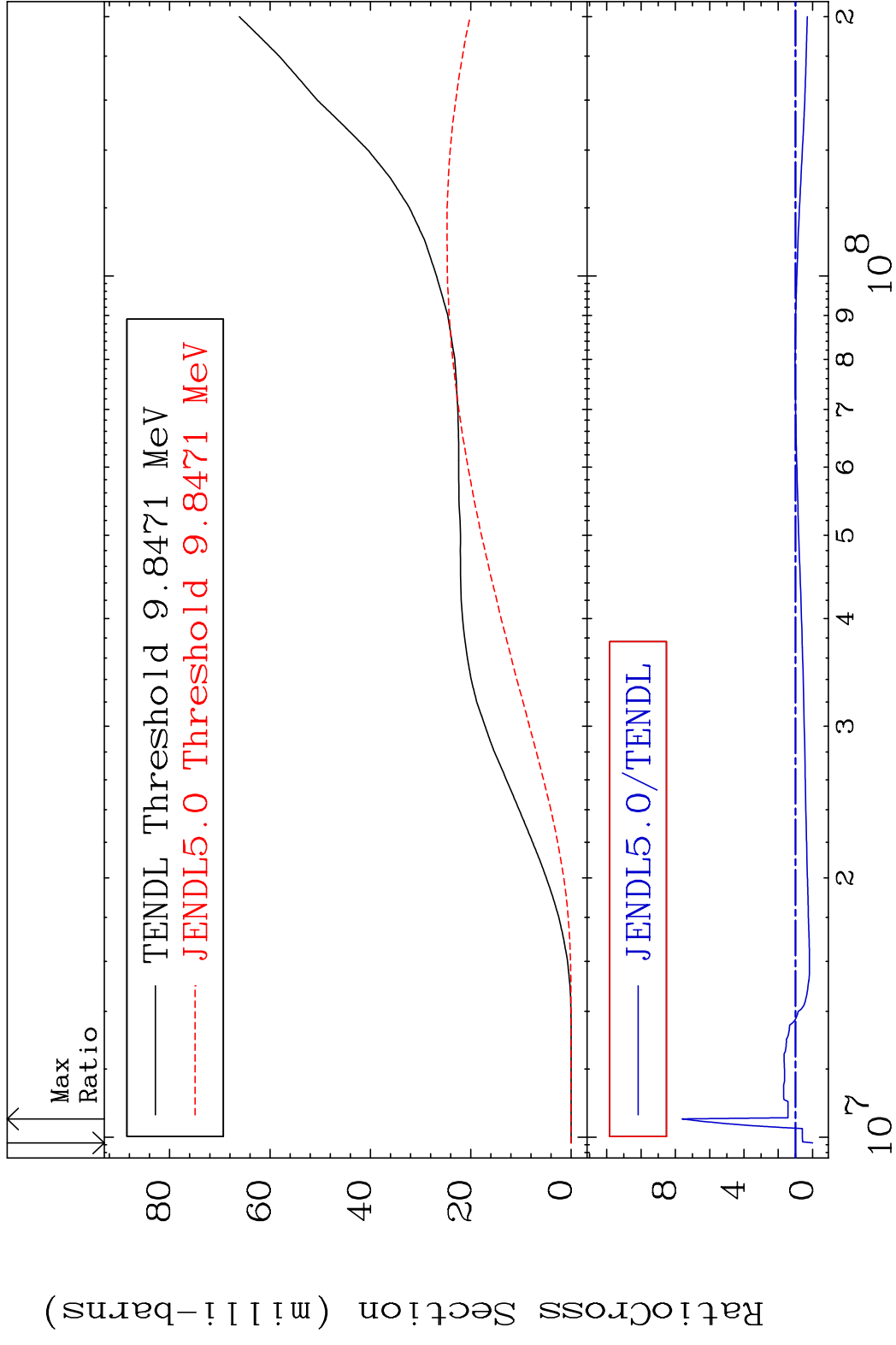
Incident Energy (eV)

²⁶Fe-55

MAT 2628 Deuterium Production 26-Fe-55
 Cross Section -100.0 To 9999. %

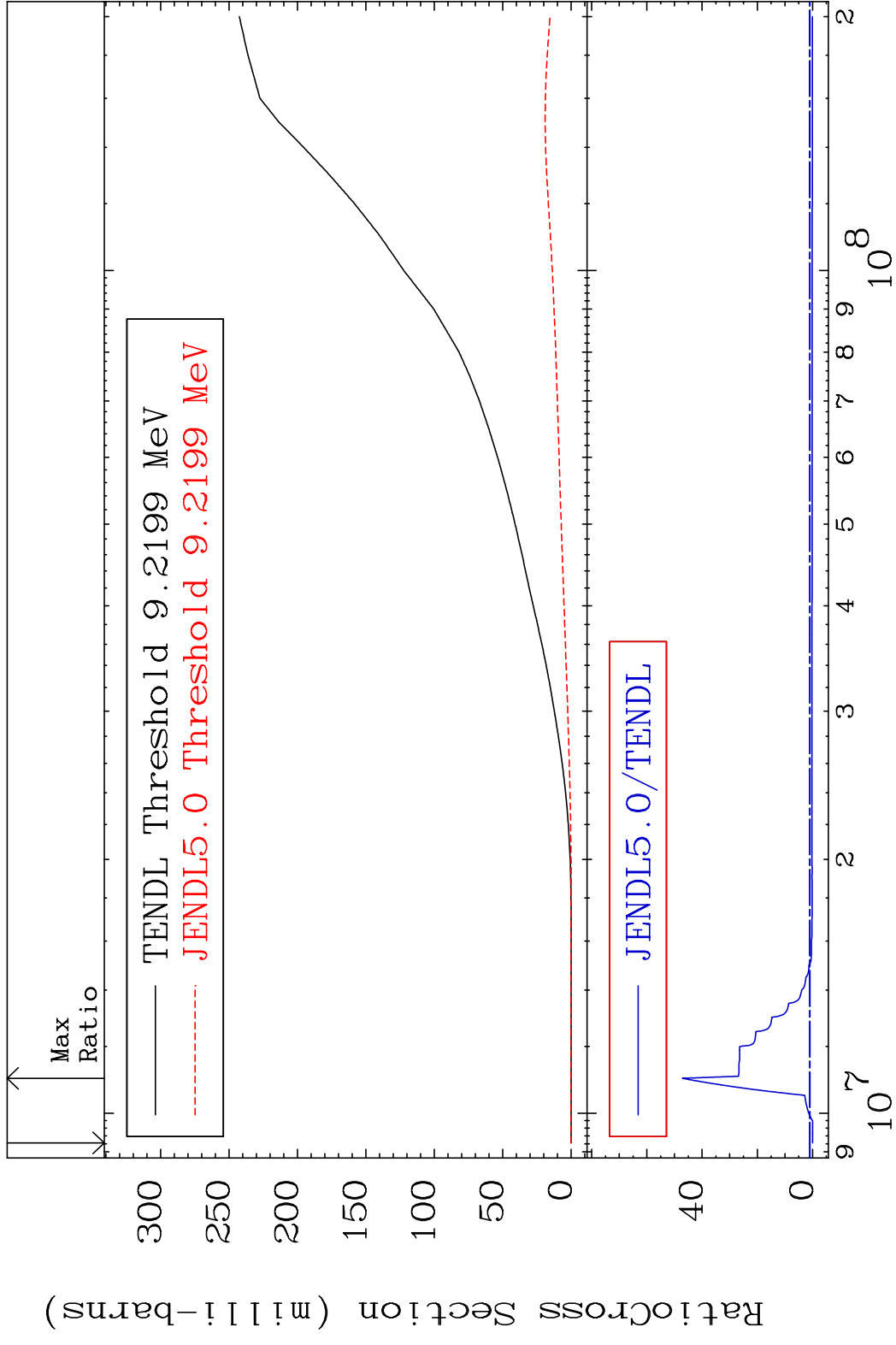


MAT 2628 Tritium Production 26-Fe-55
 Cross Section -100.0 To 659.1 %



38 26-Fe-55

MAT 2628 He-3 Production 26-Fe-55
 Cross Section -100.0 To 4615. %



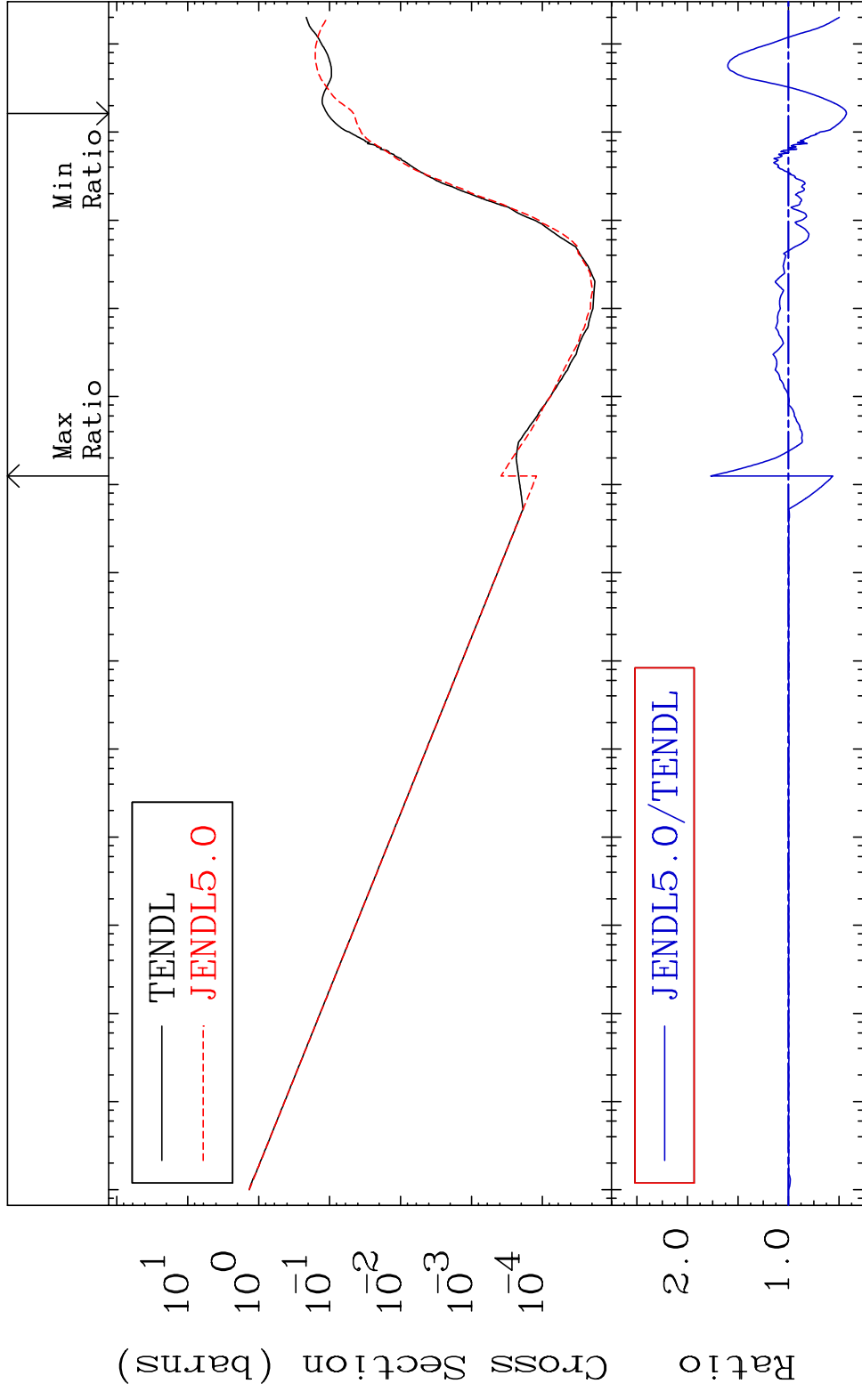
39 Incident Energy (eV) 26-Fe-55

MAT 2628

He-4 Production

26-Fe-55

Cross Section -57.27 To 77.01 %

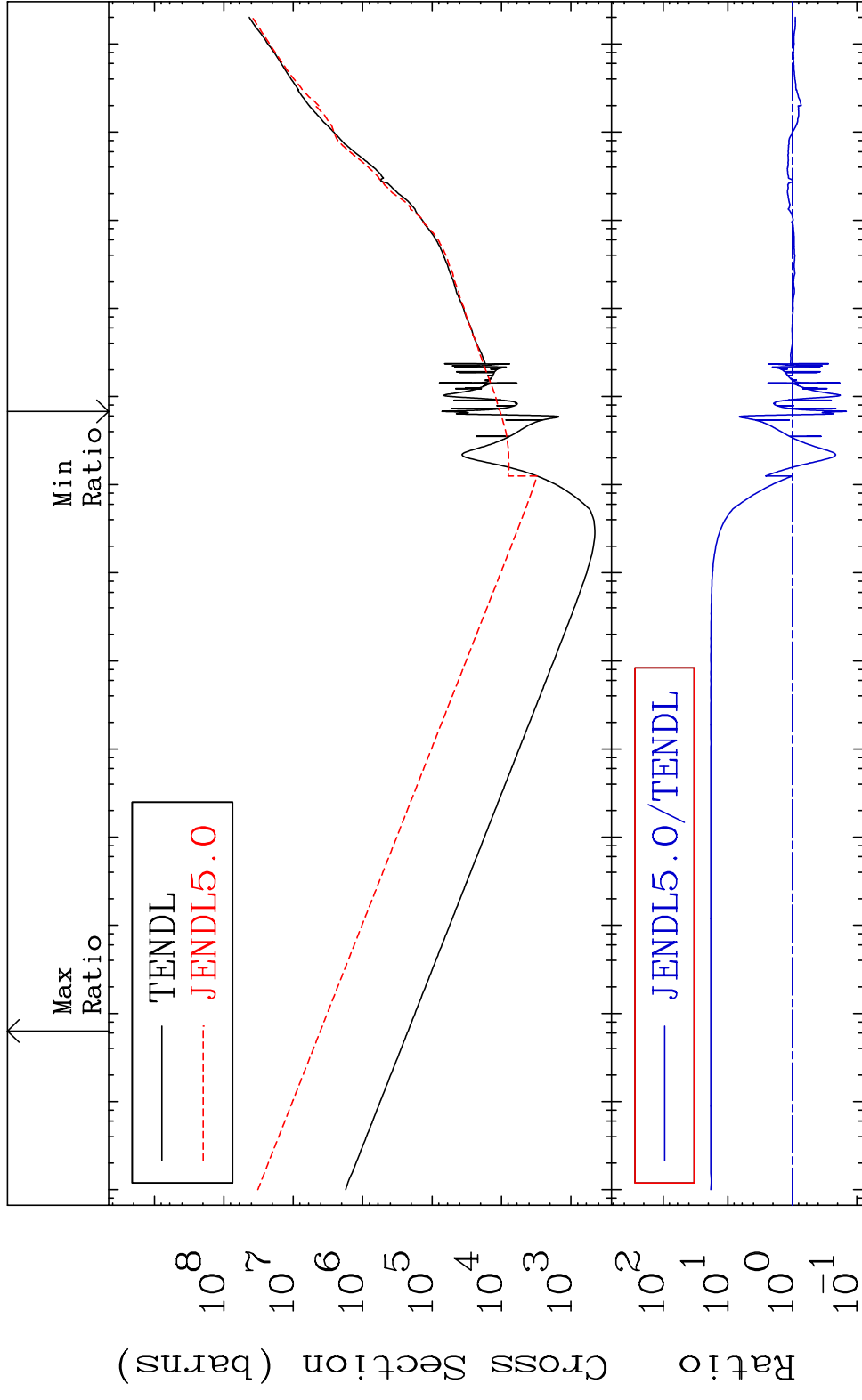


40

Incident Energy (eV)

26-Fe-55

MAT 2628 Kerma total (eV-barns) 26-Fe-55
 Cross Section -85.41 To 1740. %

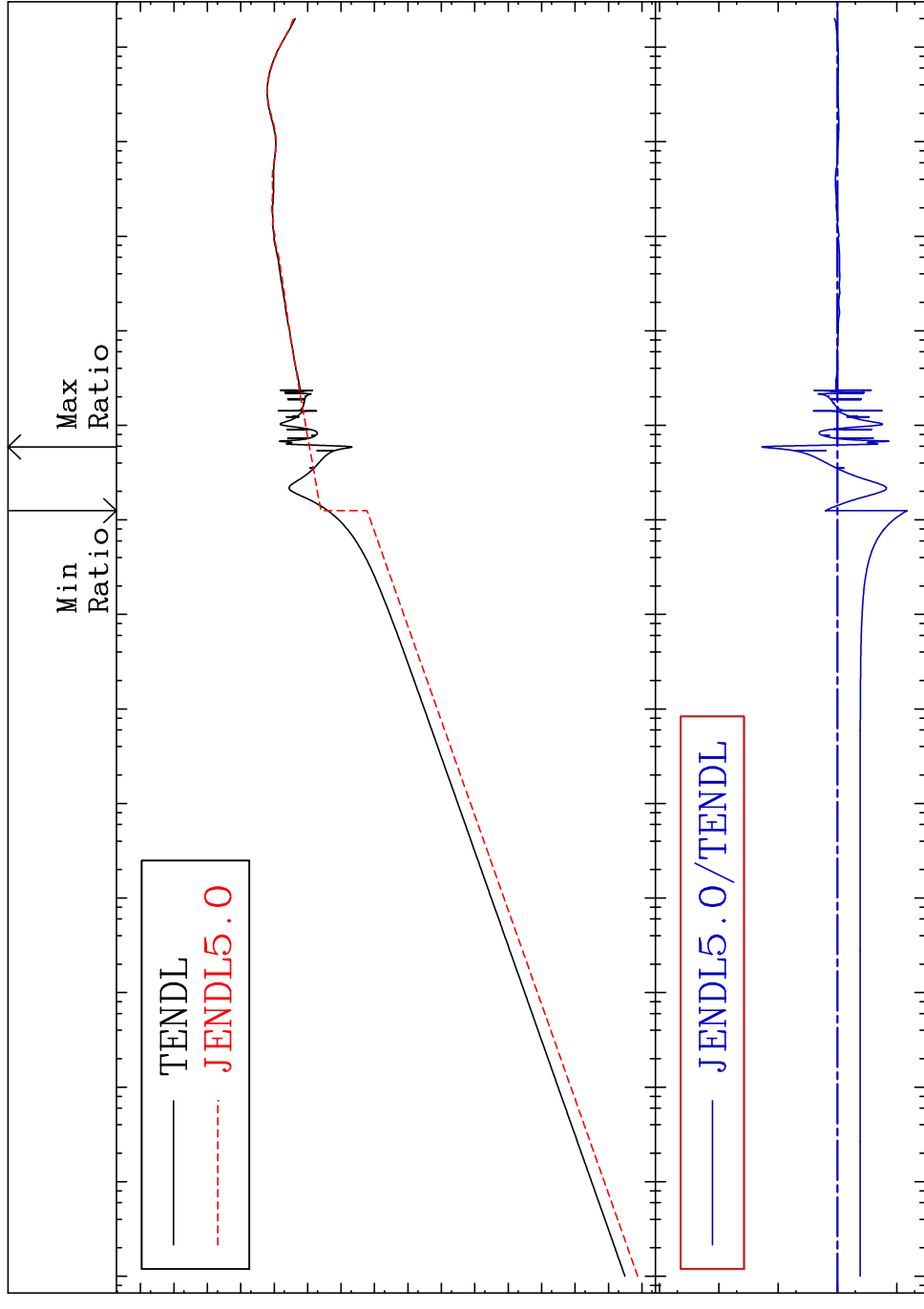


41 Incident Energy (eV) 26-Fe-55

MAT 2628

Kerma elastic
Cross Section

26-Fe-55
-93.30 To 1790. %

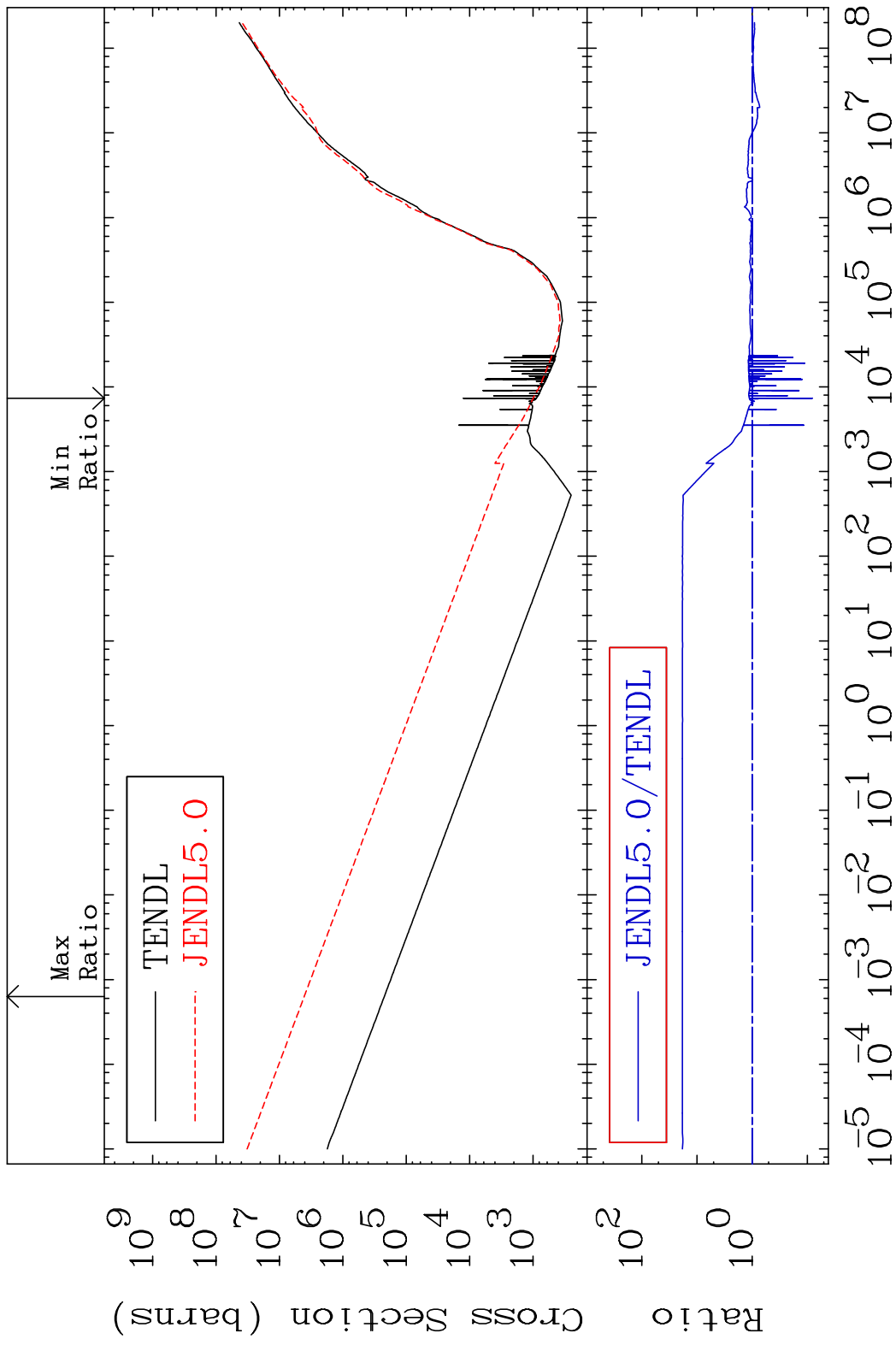


42

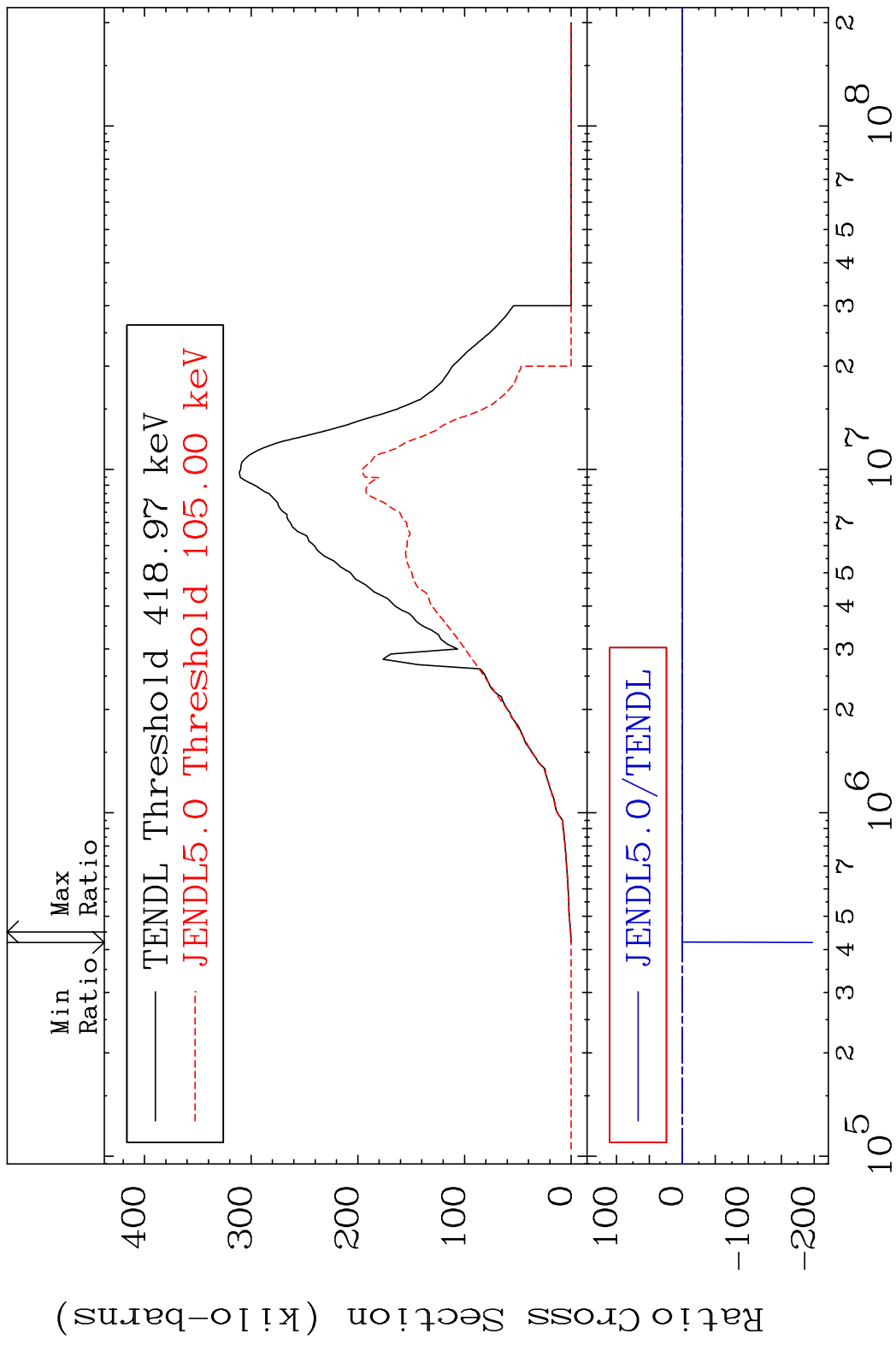
Incident Energy (eV)

26-Fe-55

MAT 2628 Kerma non-elastic (all but mt2) 26-Fe-55
 Cross Section -91.99 To 1740. %

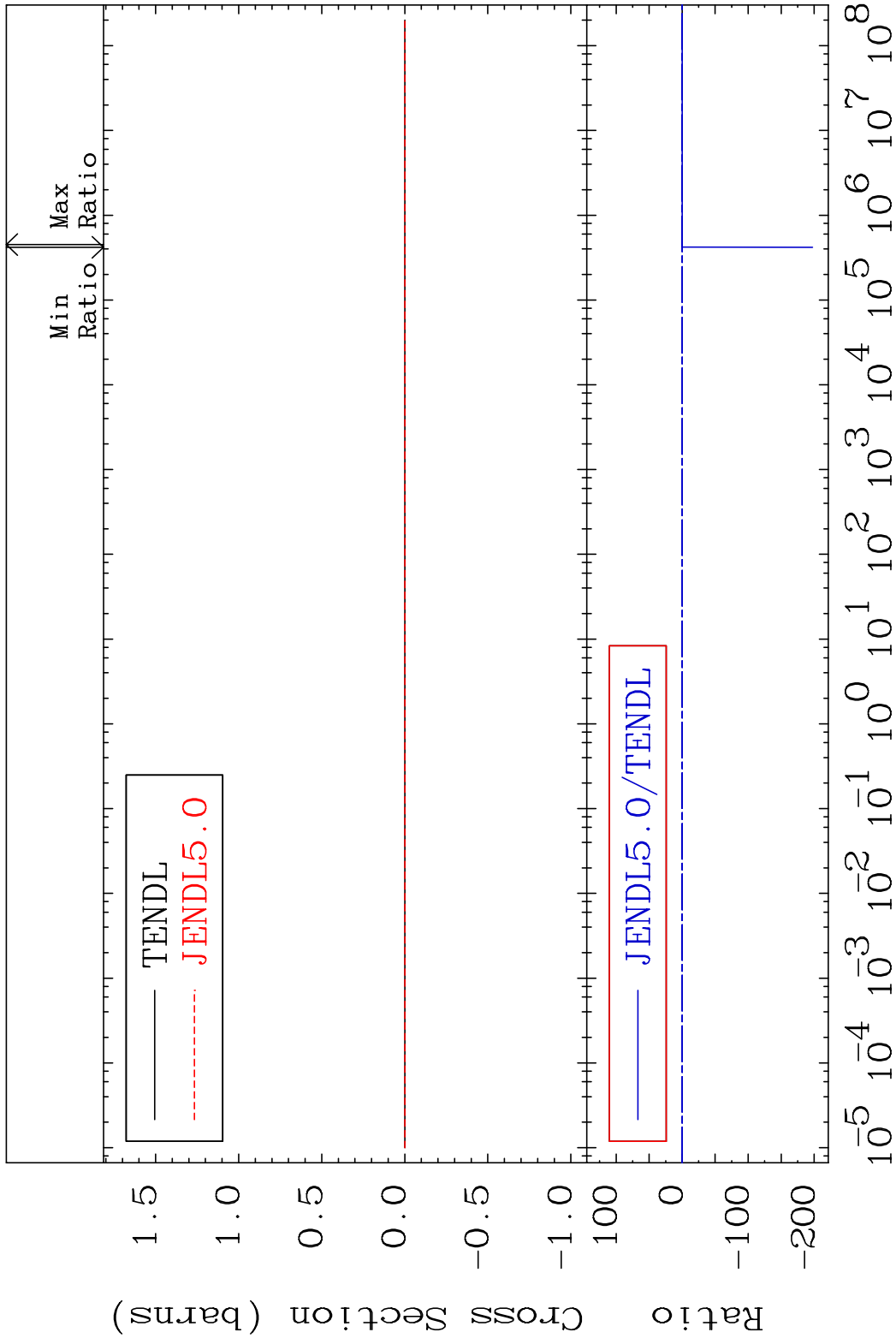


MAT 2628 Kerma inelastic (mt51-91) 26-Fe-55
 Cross Section -9999. To 13.27 %

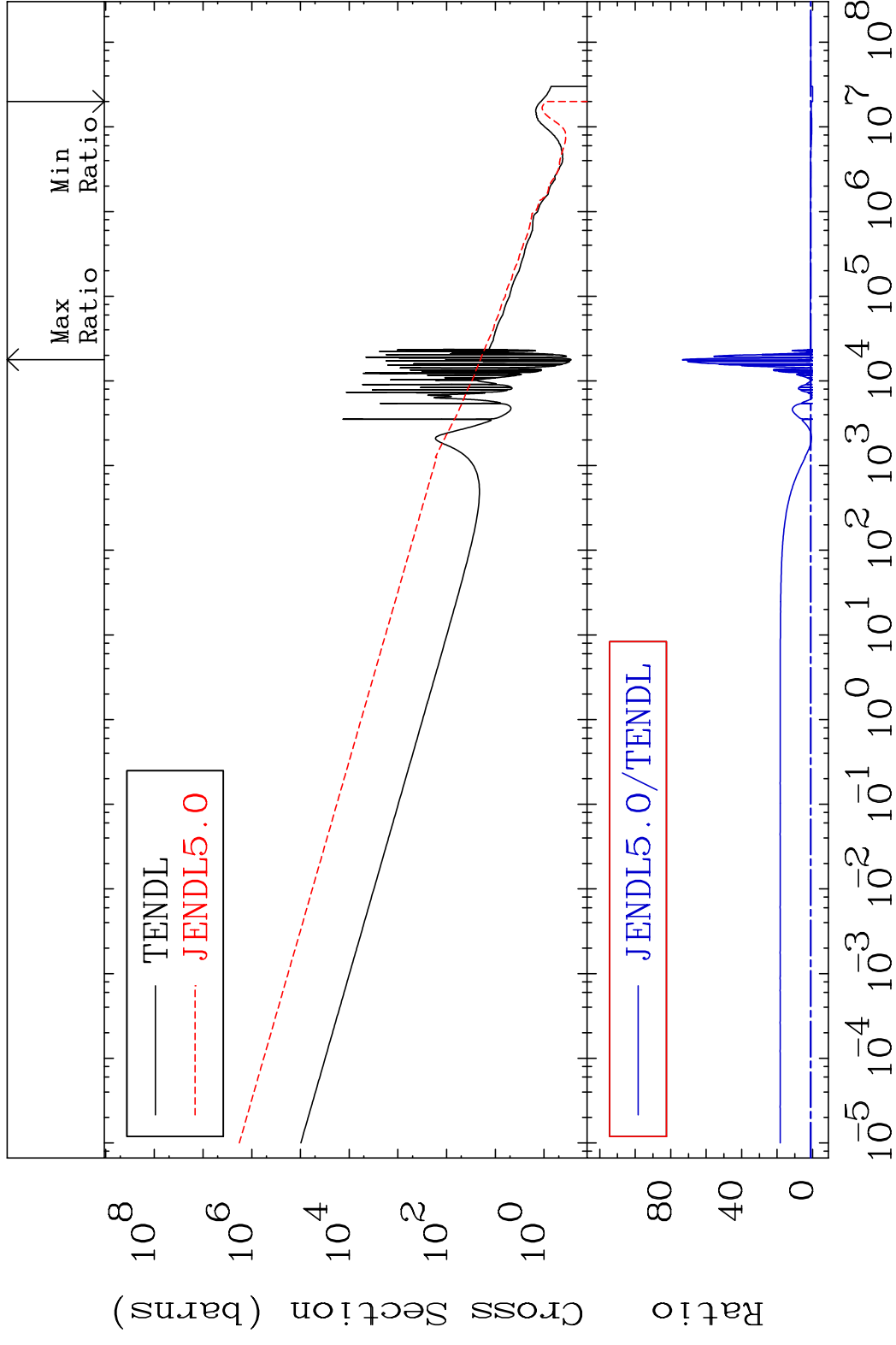


44 Incident Energy (eV) 26-Fe-55

MAT 2628 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-55
 Cross Section -9999. To 13.27 %

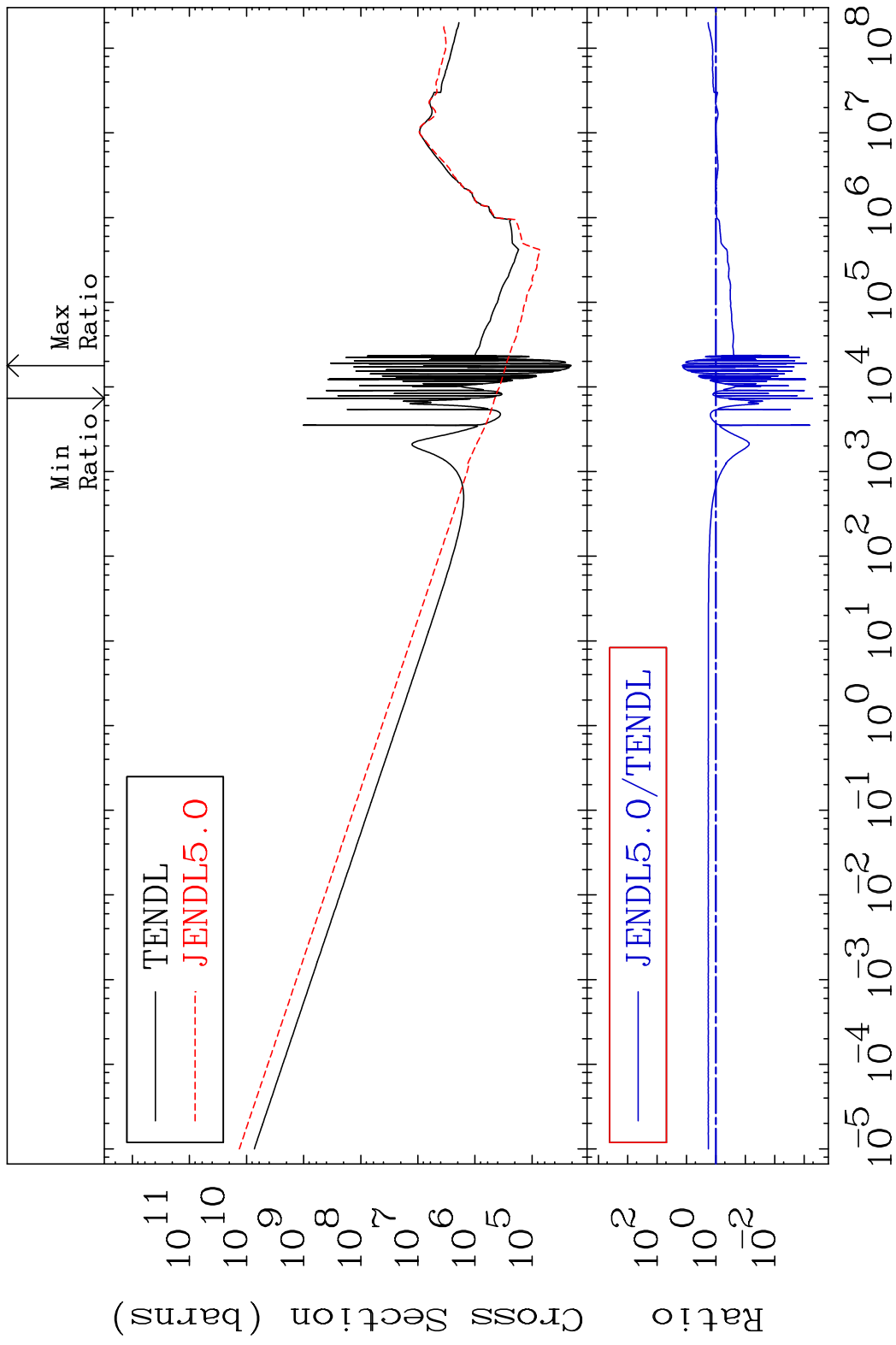


MAT 2628 Kerma capture (mt102) 26-Fe-55
 Cross Section -100.0 To 7243. %

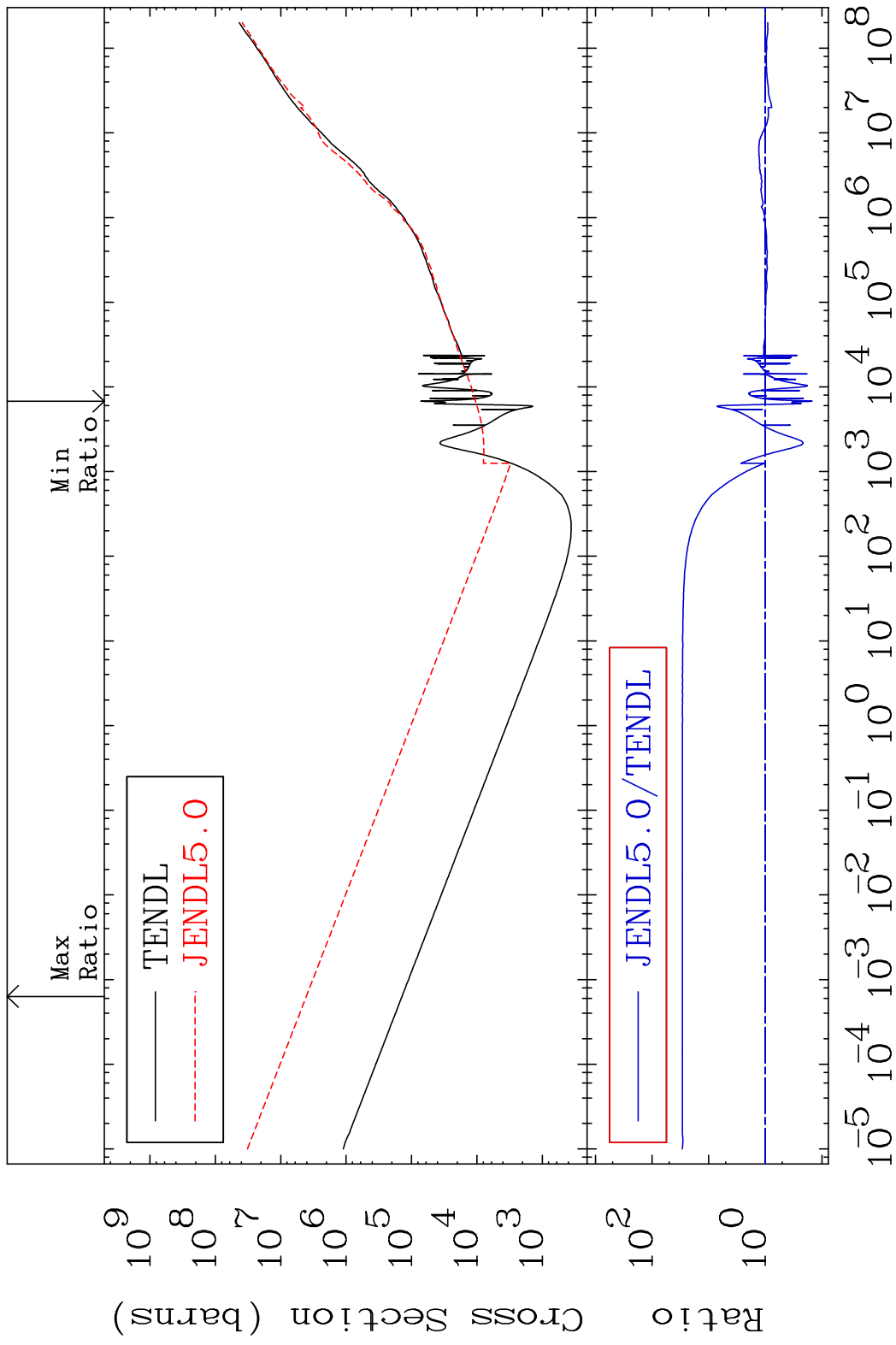


46 Incident Energy (eV) 26-Fe-55

MAT 2628 Total photon (eV-barns) 26-Fe-55
Cross Section -99.95 To 1291. %

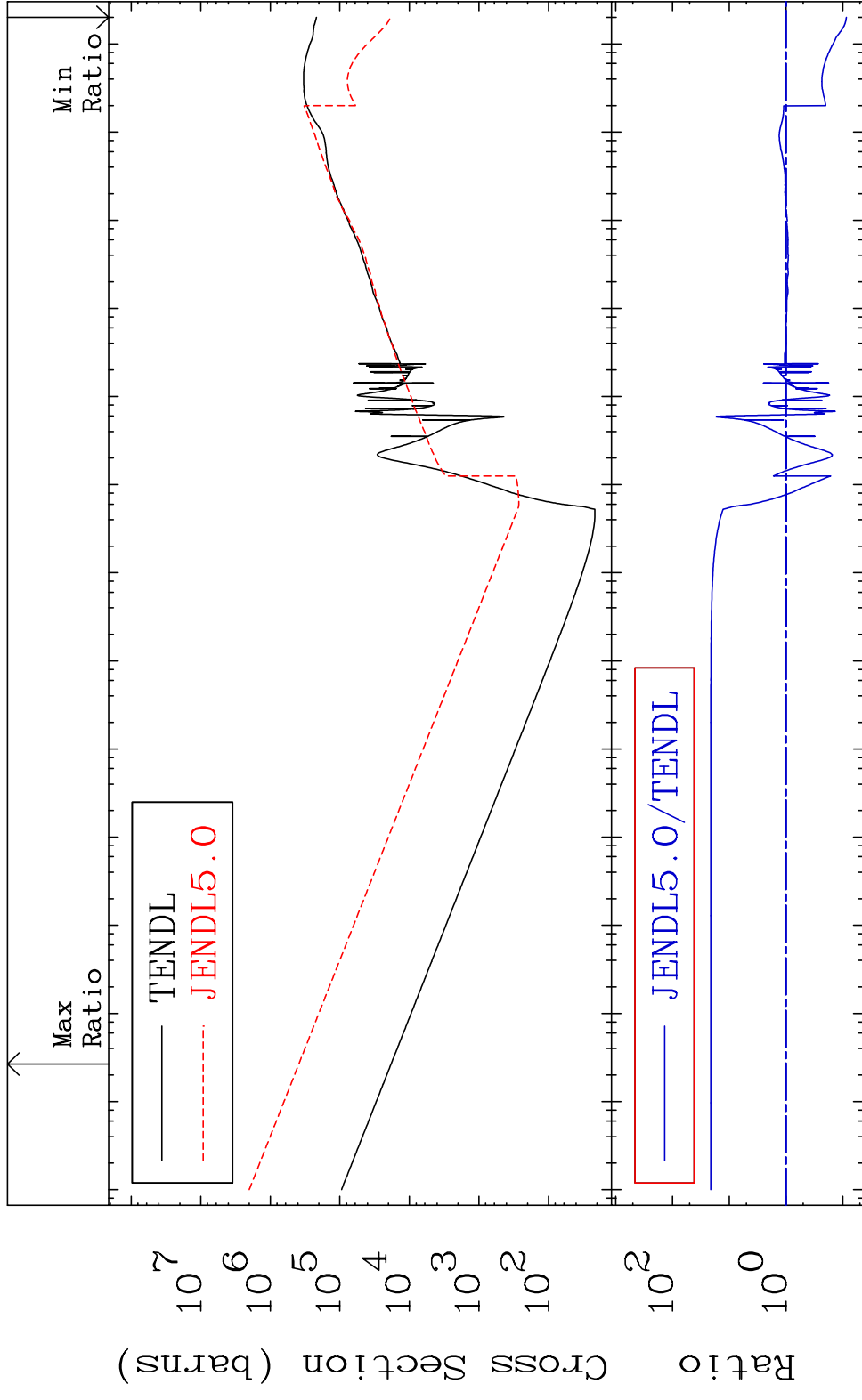


MAT 2628 Total kinematic kerma (high limit) 26-Fe-55
 Cross Section -85.39 To 2817. %



48 Incident Energy (eV) 26-Fe-55

MAT 2628 Dpa total (eV-barns) 26-Fe-55
Cross Section -91.31 To 2026. %



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

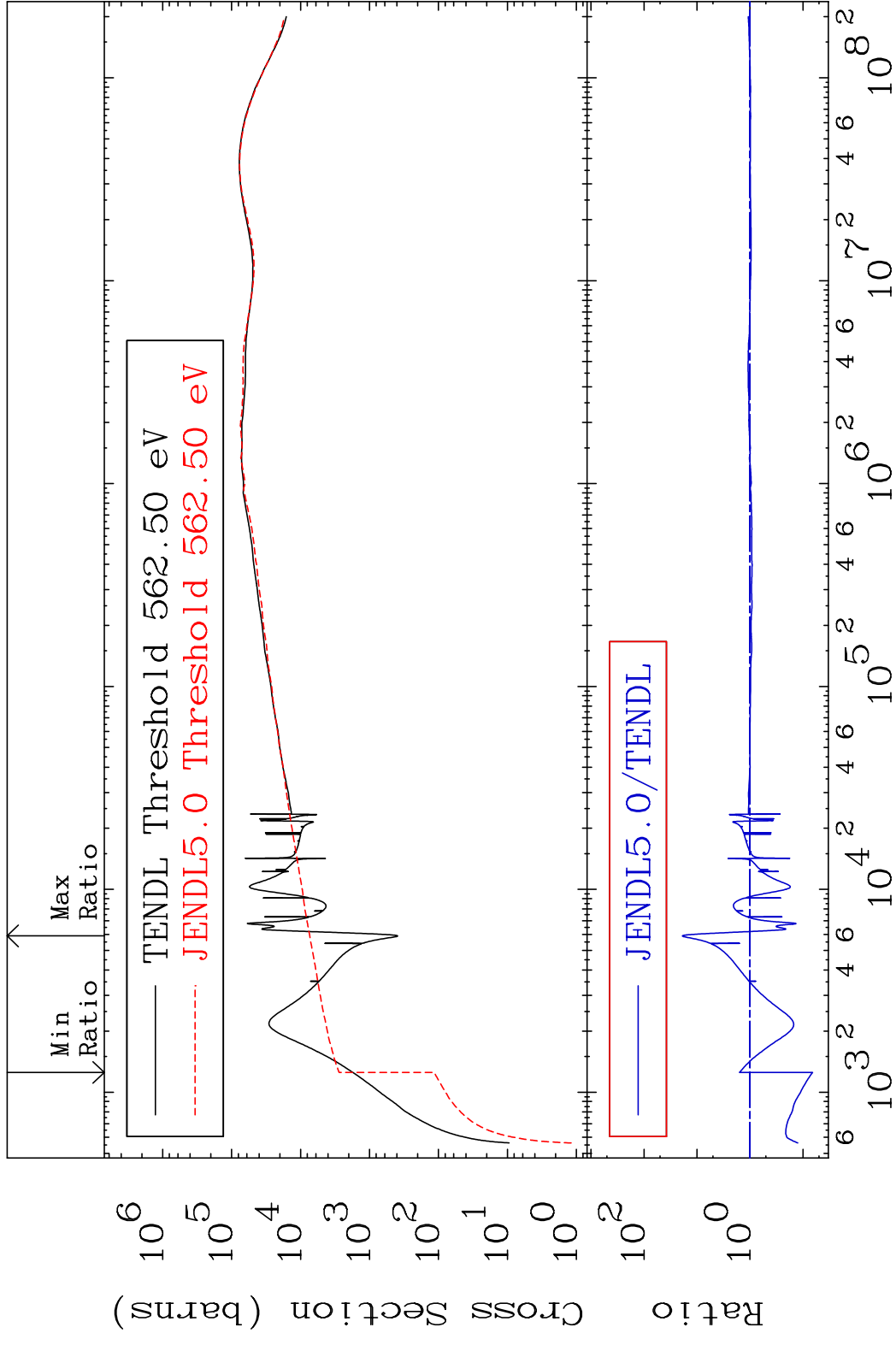
49 Incident Energy (eV) 26-Fe-55

MAT 2628

Dpa elastic (mt2)

²⁶Fe-55

Cross Section -93.40 To 1790. %

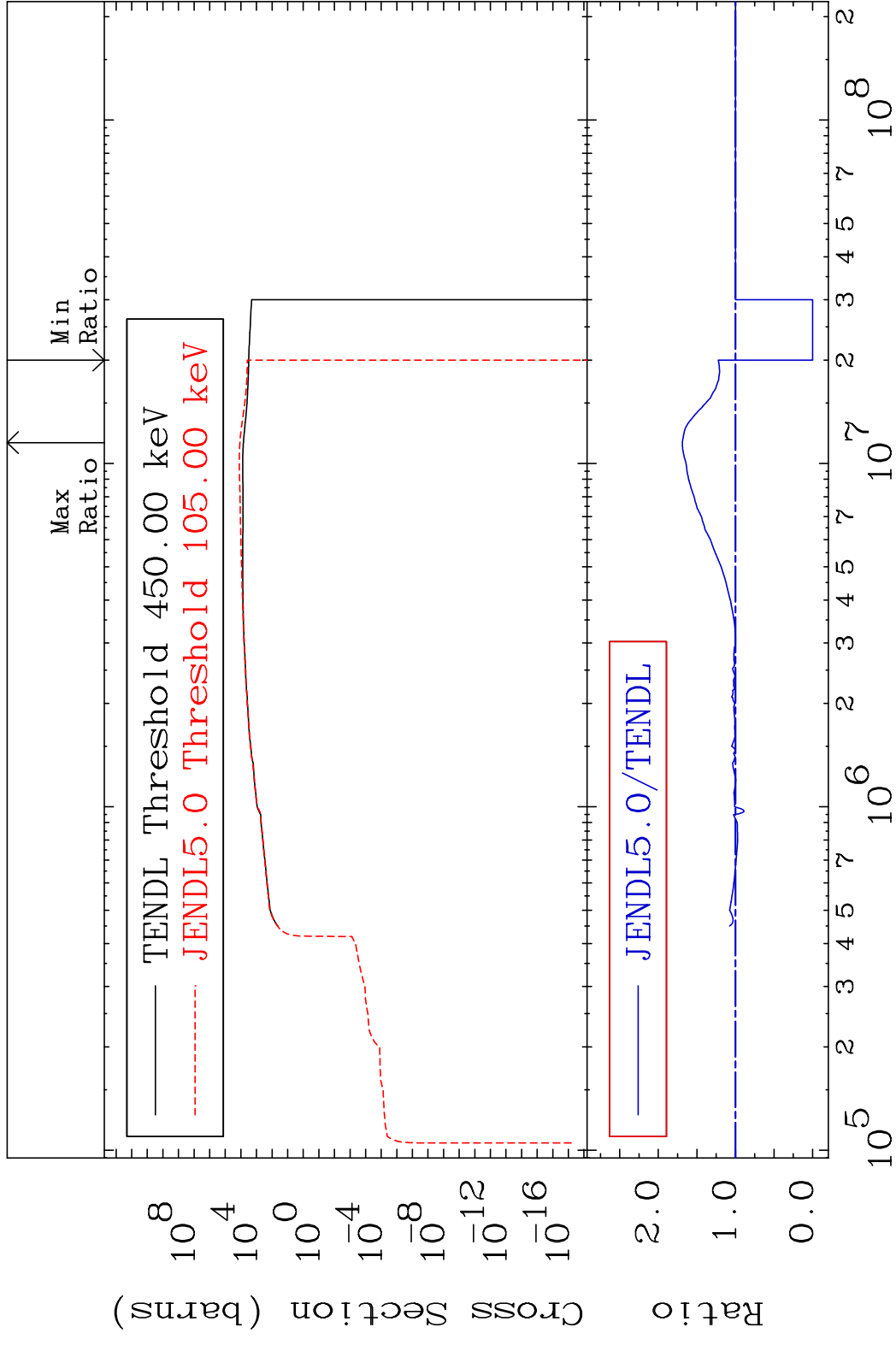


50

Incident Energy (eV)

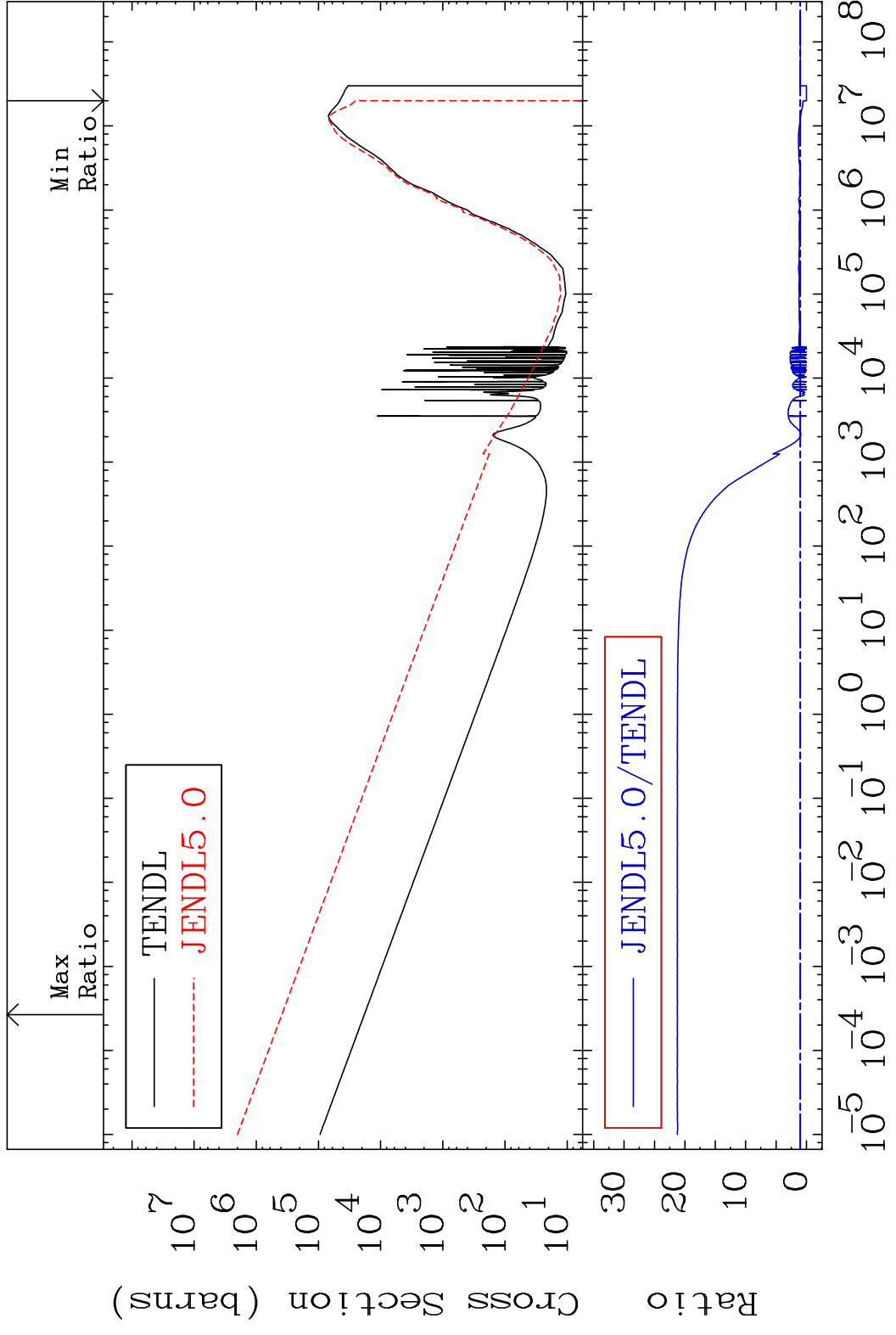
²⁶Fe-55

MAT 2628 Dpa inelastic (mt51-91) 26-Fe-55
 Cross Section -100.0 To 68.83 %

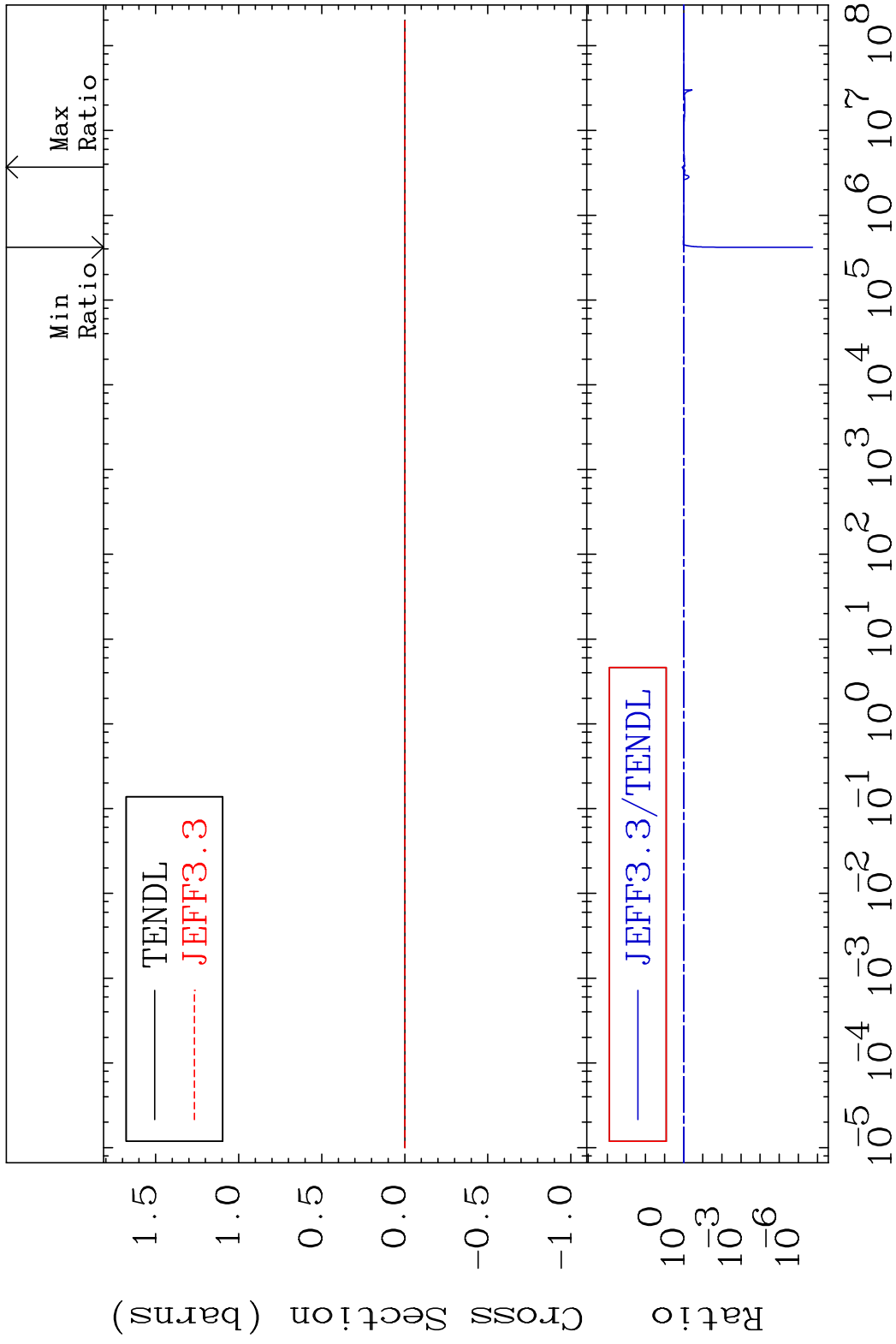


51 Incident Energy (eV) 26-Fe-55

MAT 2628 Dpa disappearance (mt102 -120) 26-Fe-55
 Cross Section -100.0 To 2026. %

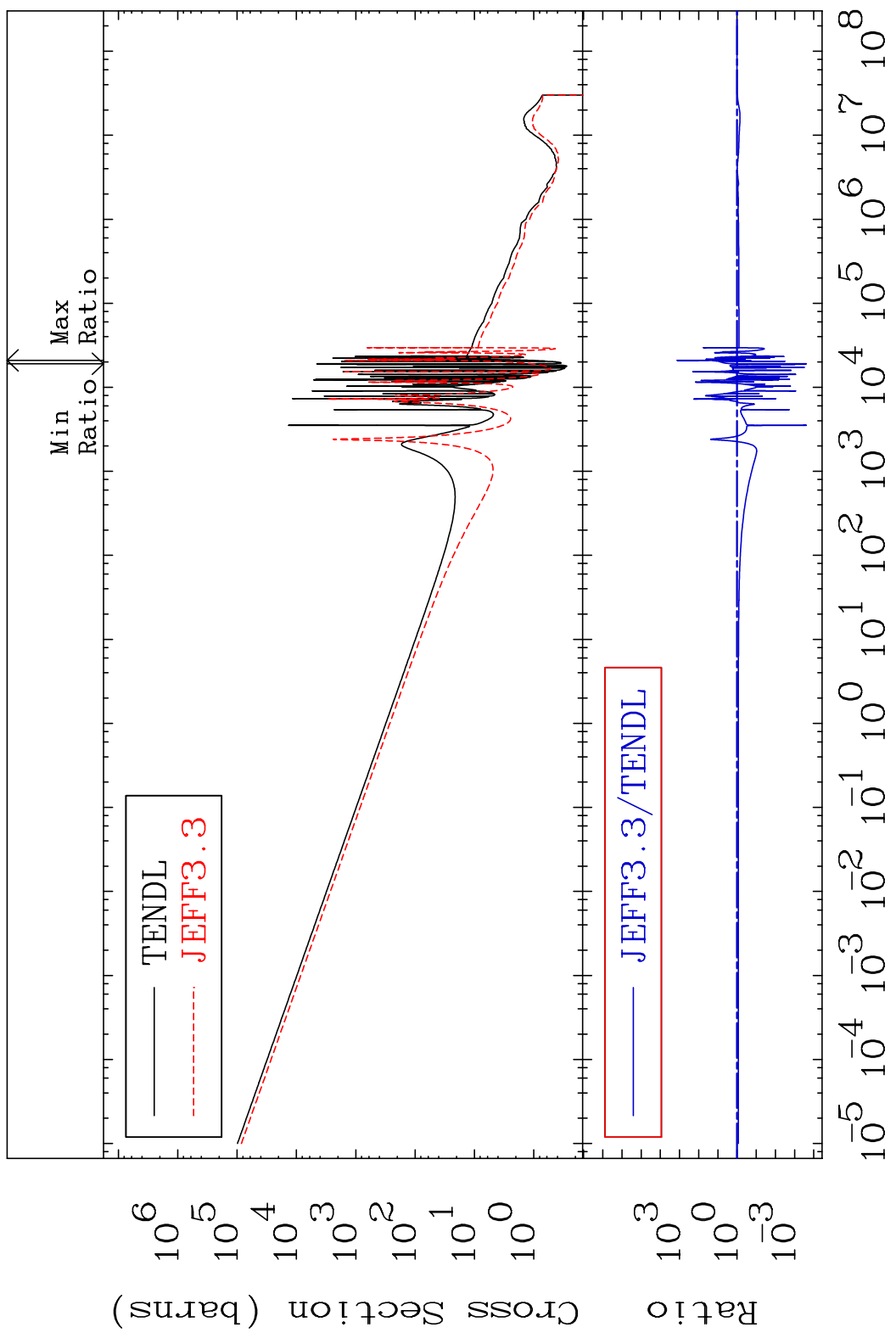


MAT 2628 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-55
 Cross Section -100.0 To 20.26 %

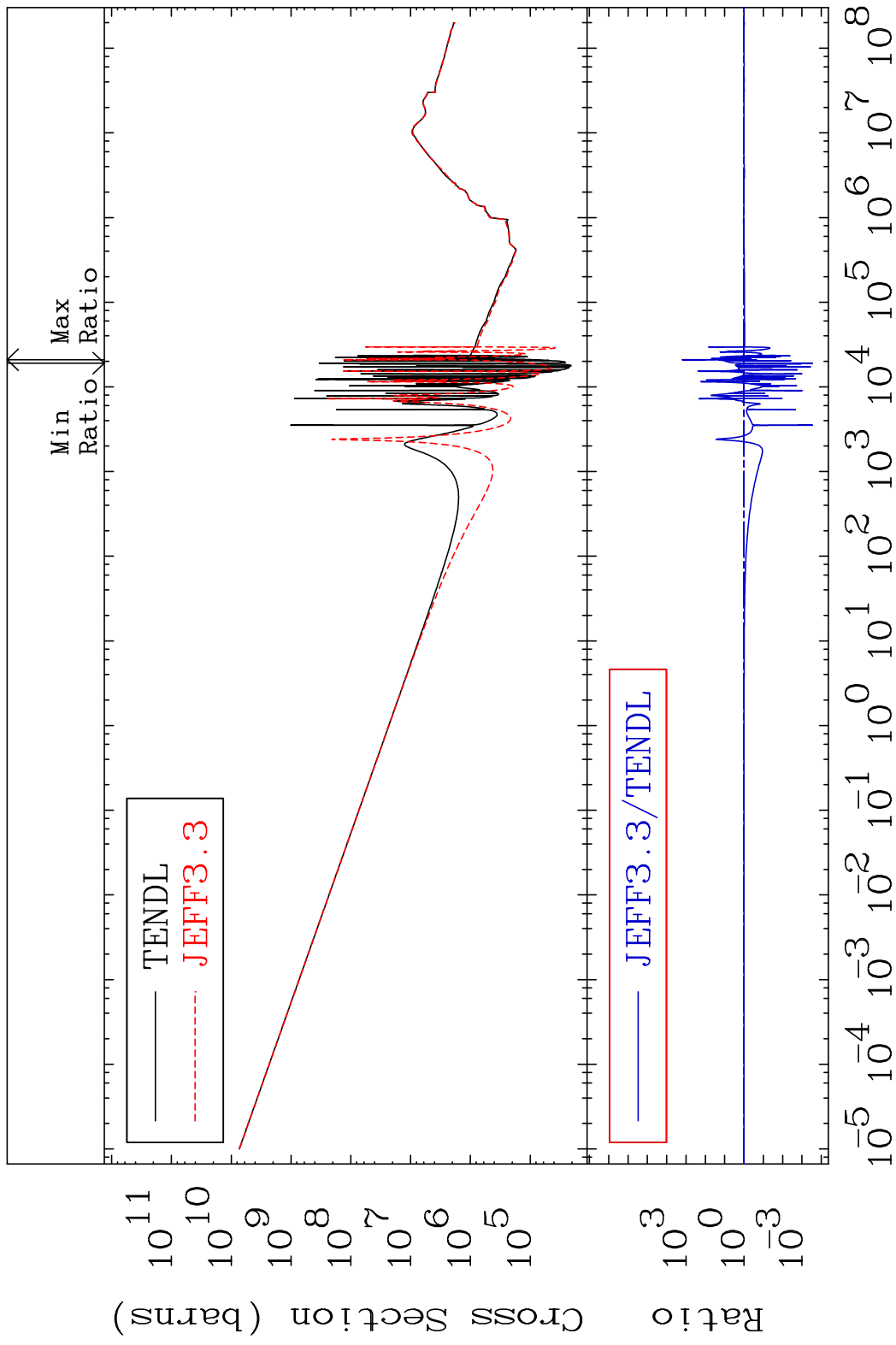


MAT 2628

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

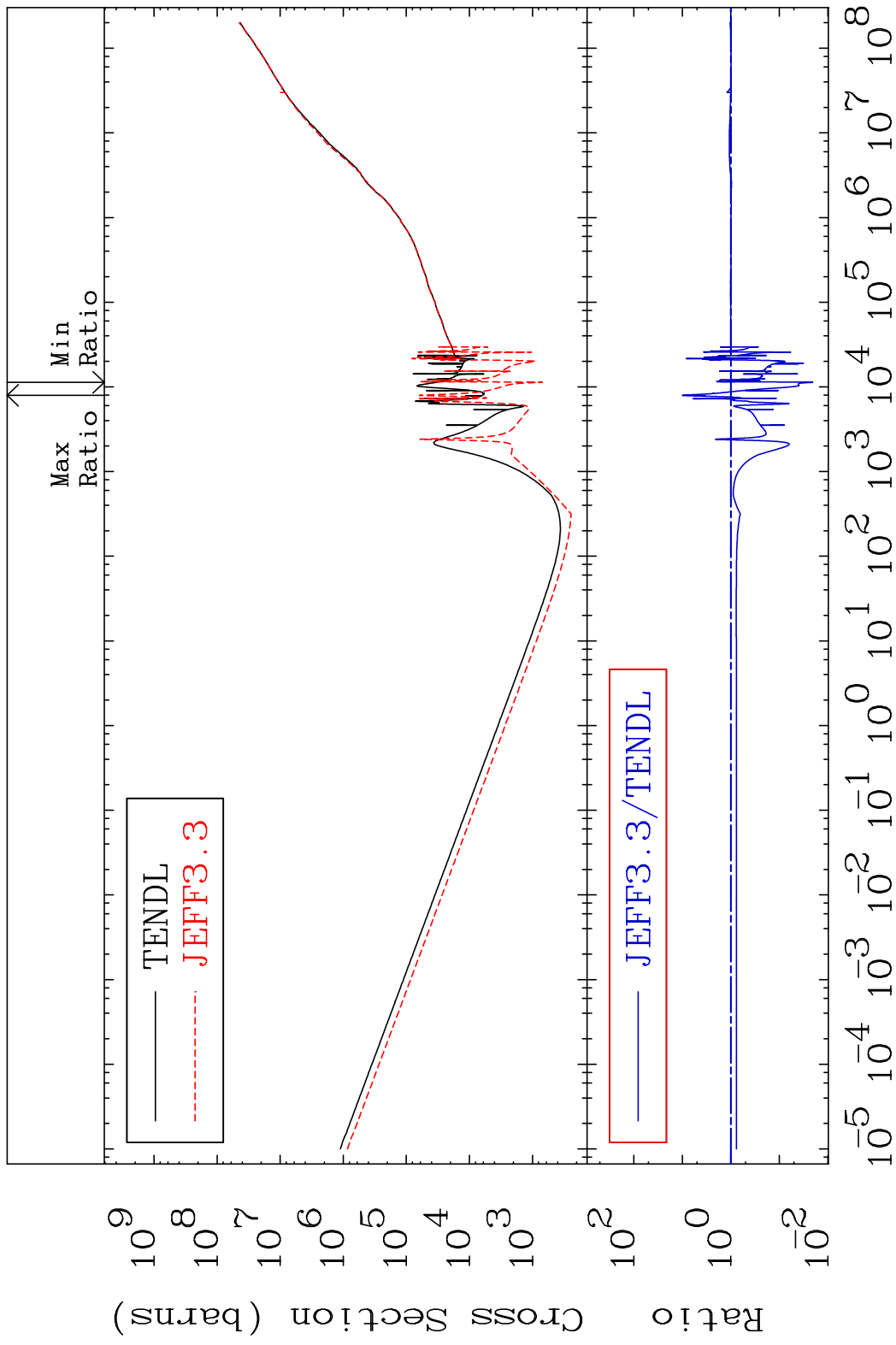


MAT 2628 Total photon (eV-barns) 26-Fe-55
 Cross Section -99.97 To 9999. %



55 Incident Energy (eV) 26-Fe-55

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

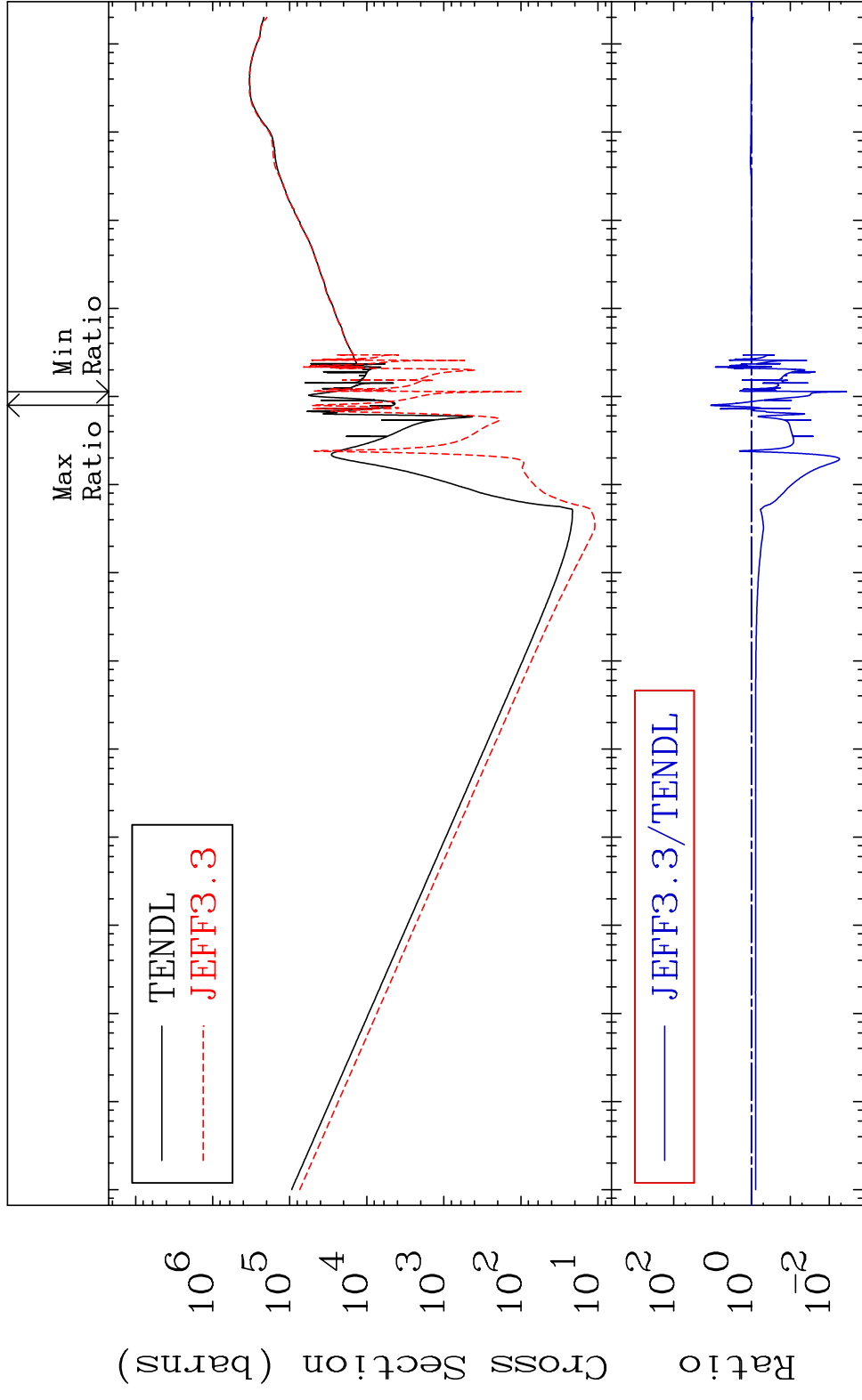


MAT 2628

Dpa total (eV-barns)

26-Fe-55

Cross Section -99.64 To 1015. %



57

Incident Energy (eV)

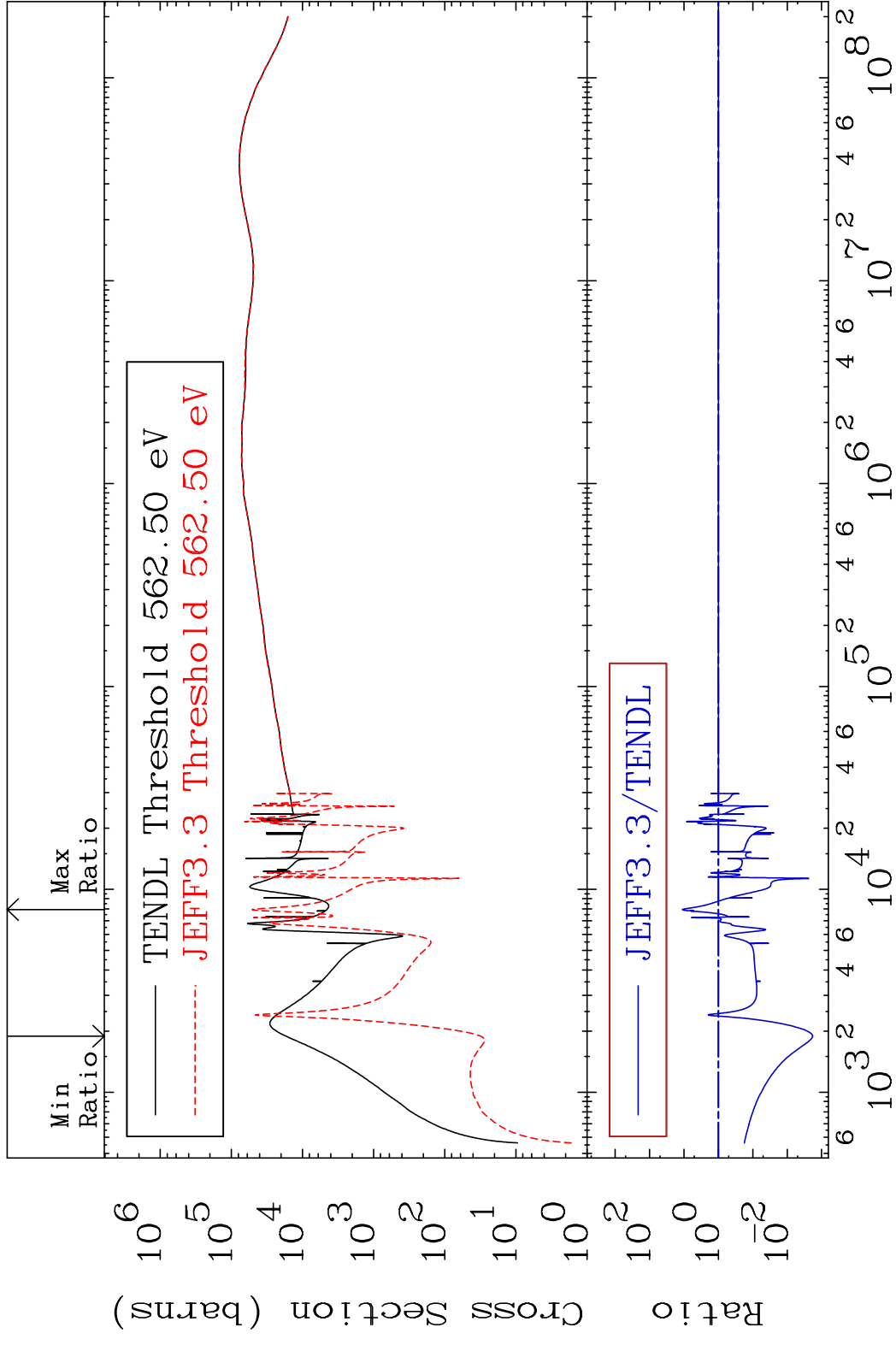
26-Fe-55

MAT 2628

Dpa elastic (mt2)

²⁶Fe-55

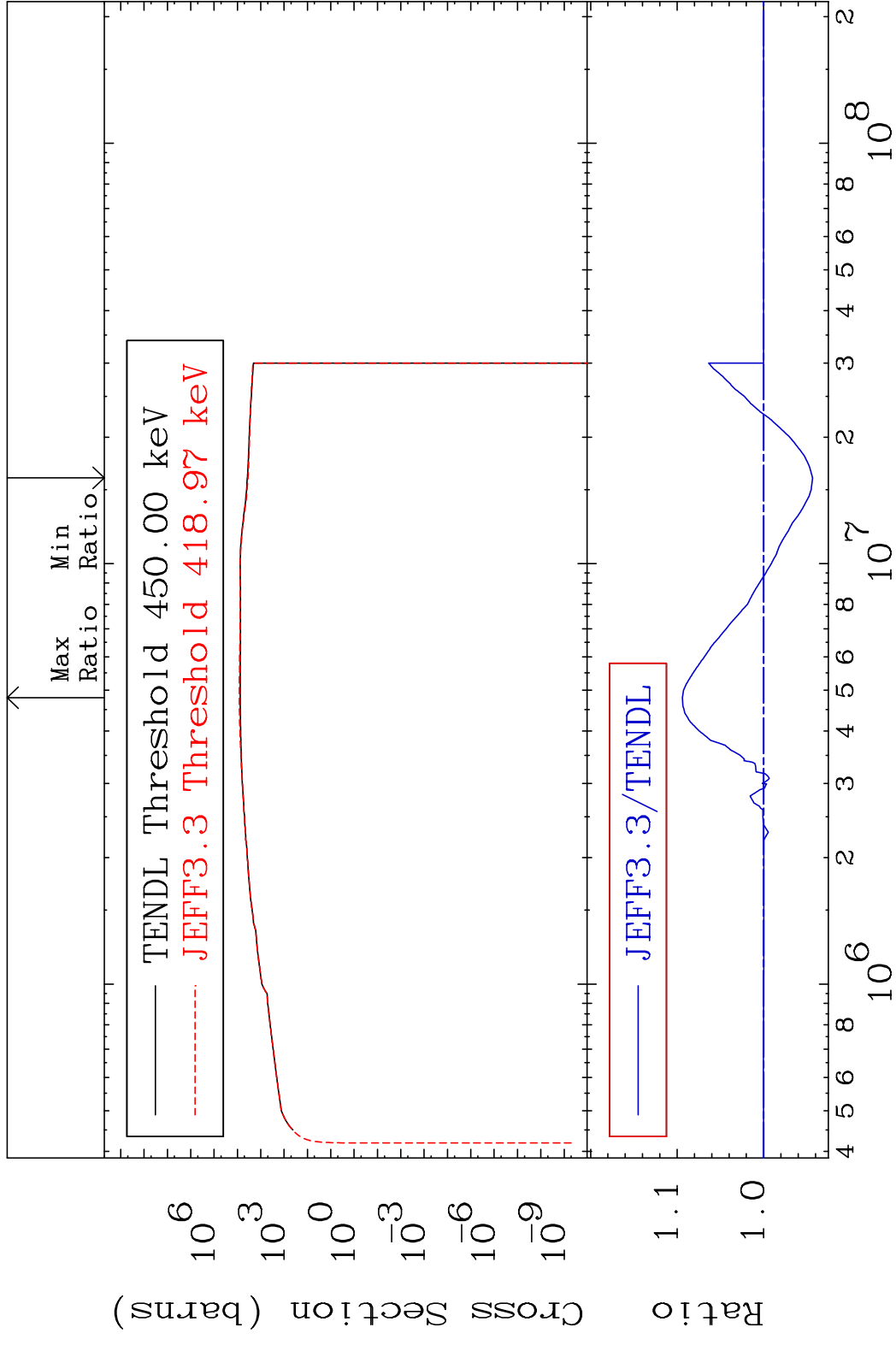
Cross Section -99.82 To 1017. %



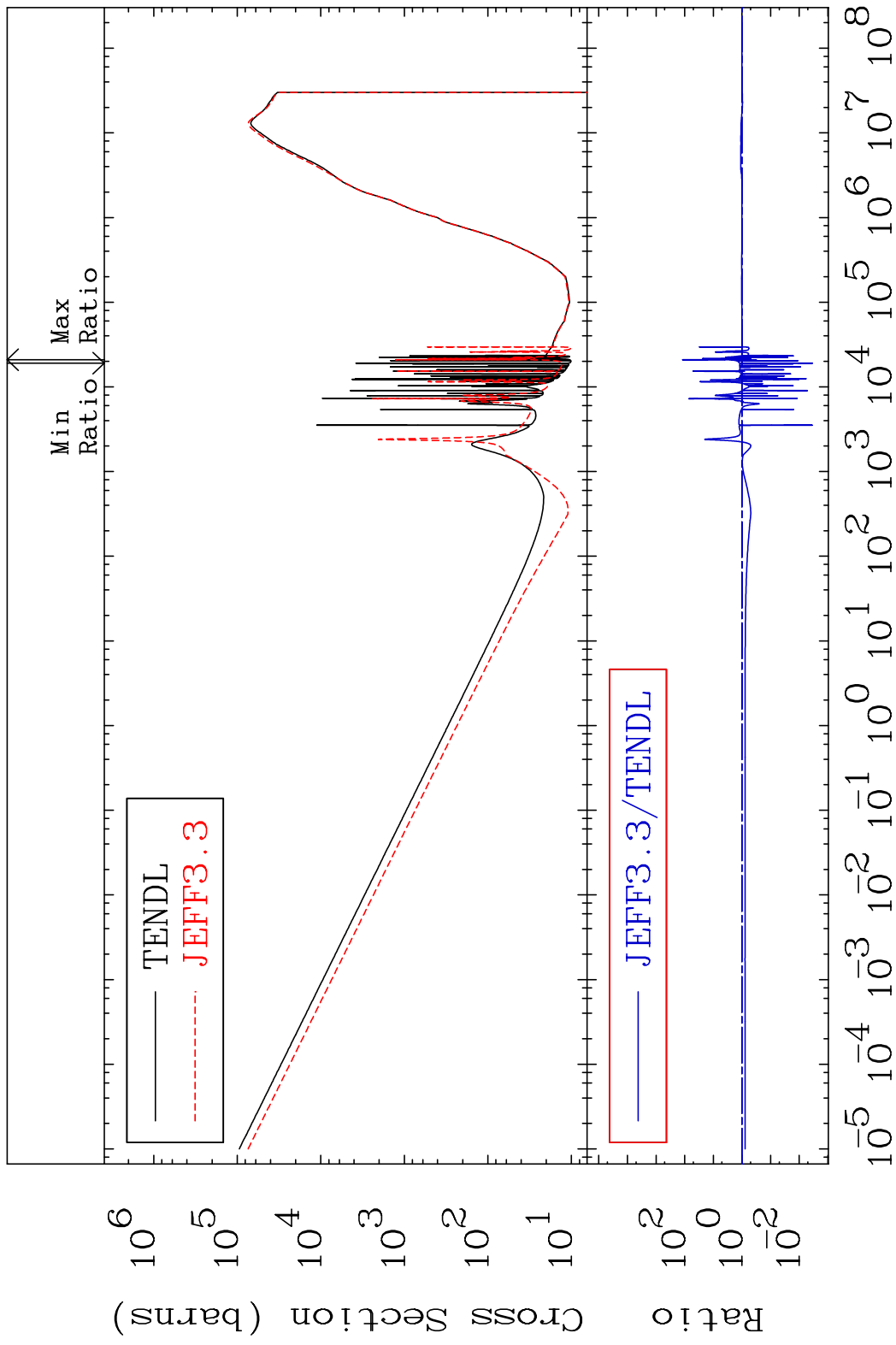
58

Incident Energy (eV)

²⁶Fe-55



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

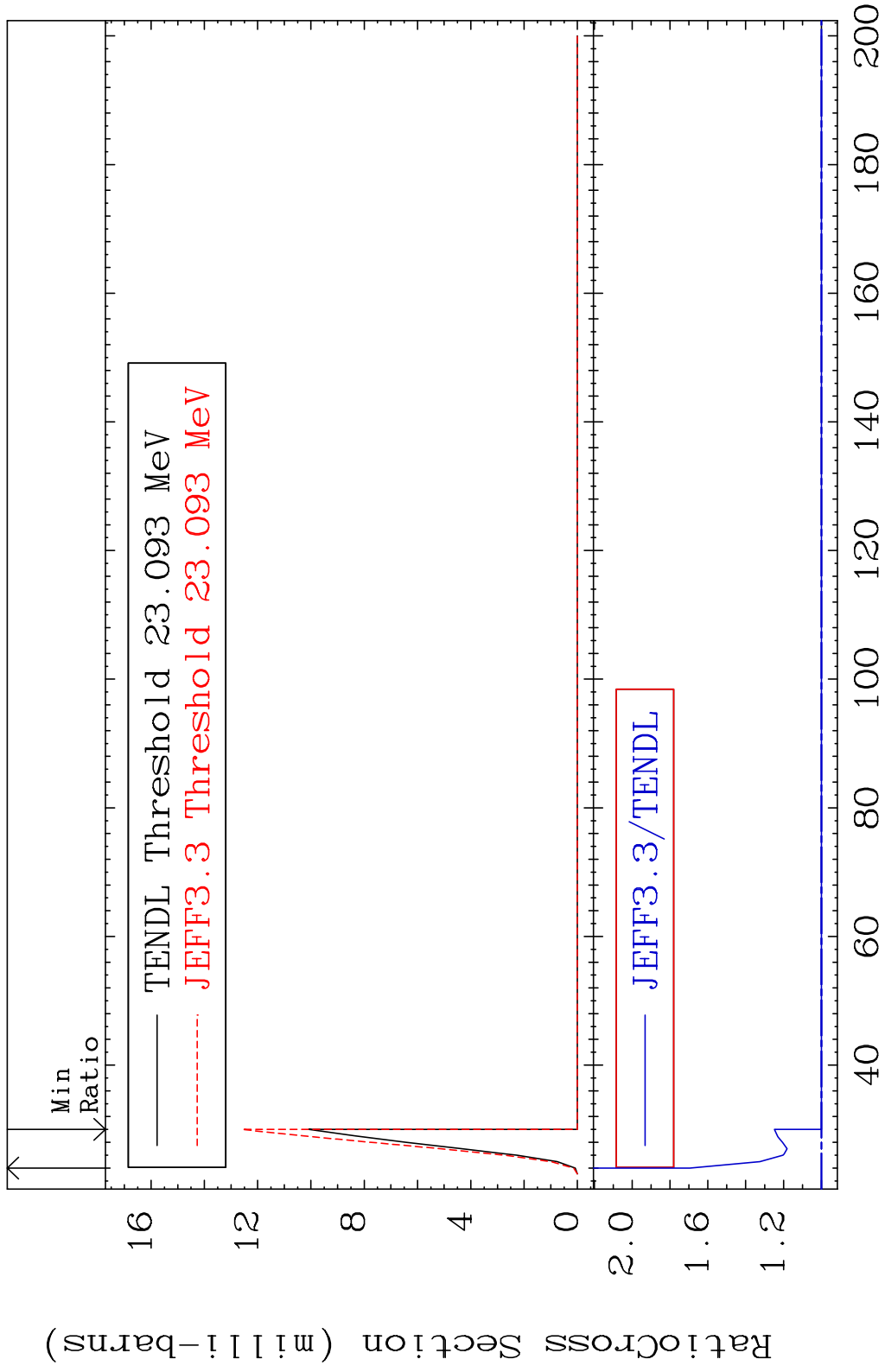


60

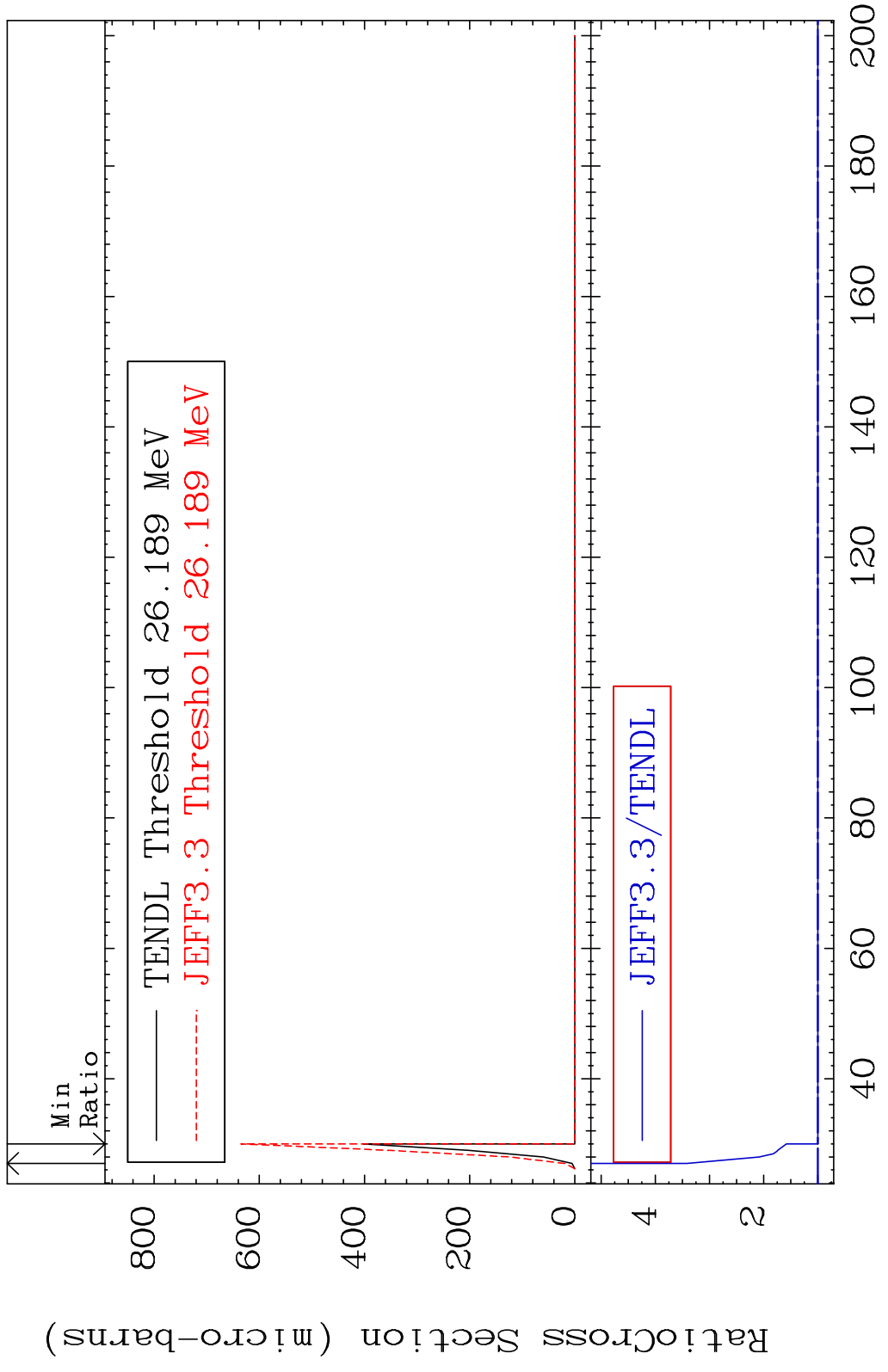
Incident Energy (eV)

26-Fe-55

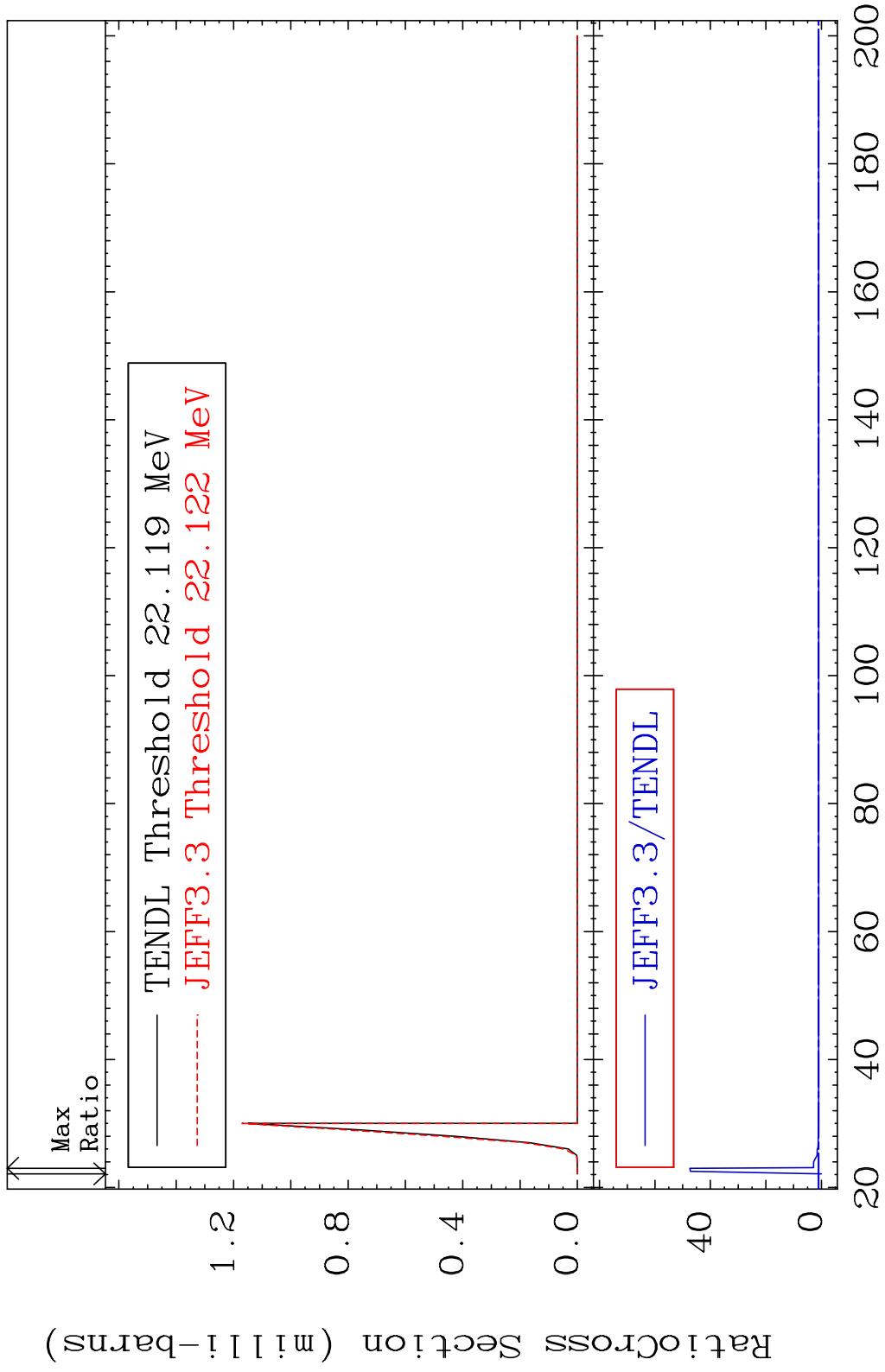
MAT 2628 (n,3n):26-Fe-53g 26-Fe-55
 Radionuclide Production Cross Section 69.56 %



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 %

