

Program Complot  
(Version 2021-1)

by

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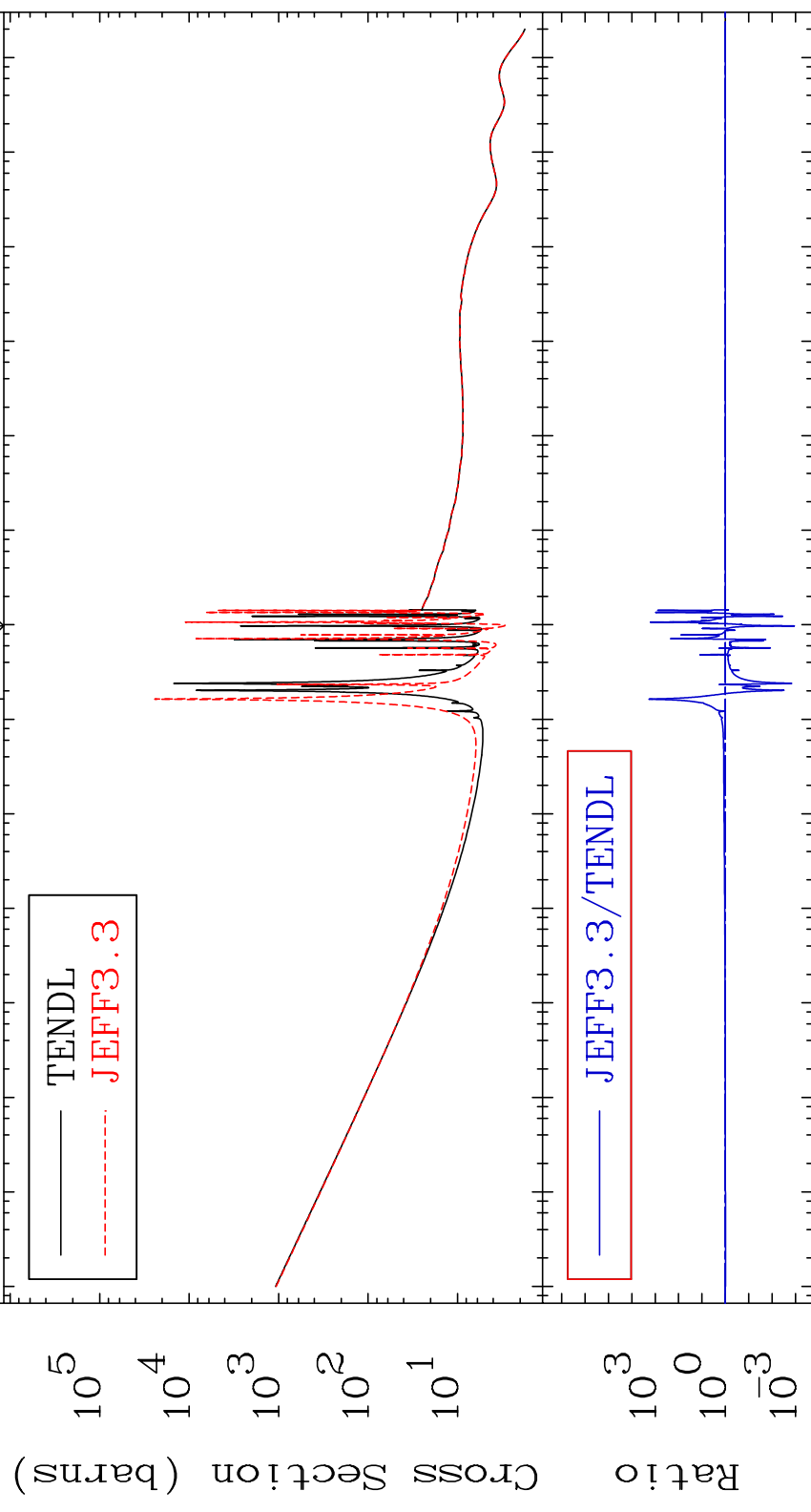
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4628

Total  
Cross Section -99.89 To 9999. %

46-Pd-103



1 Incident Energy (eV) 46-Pd-103

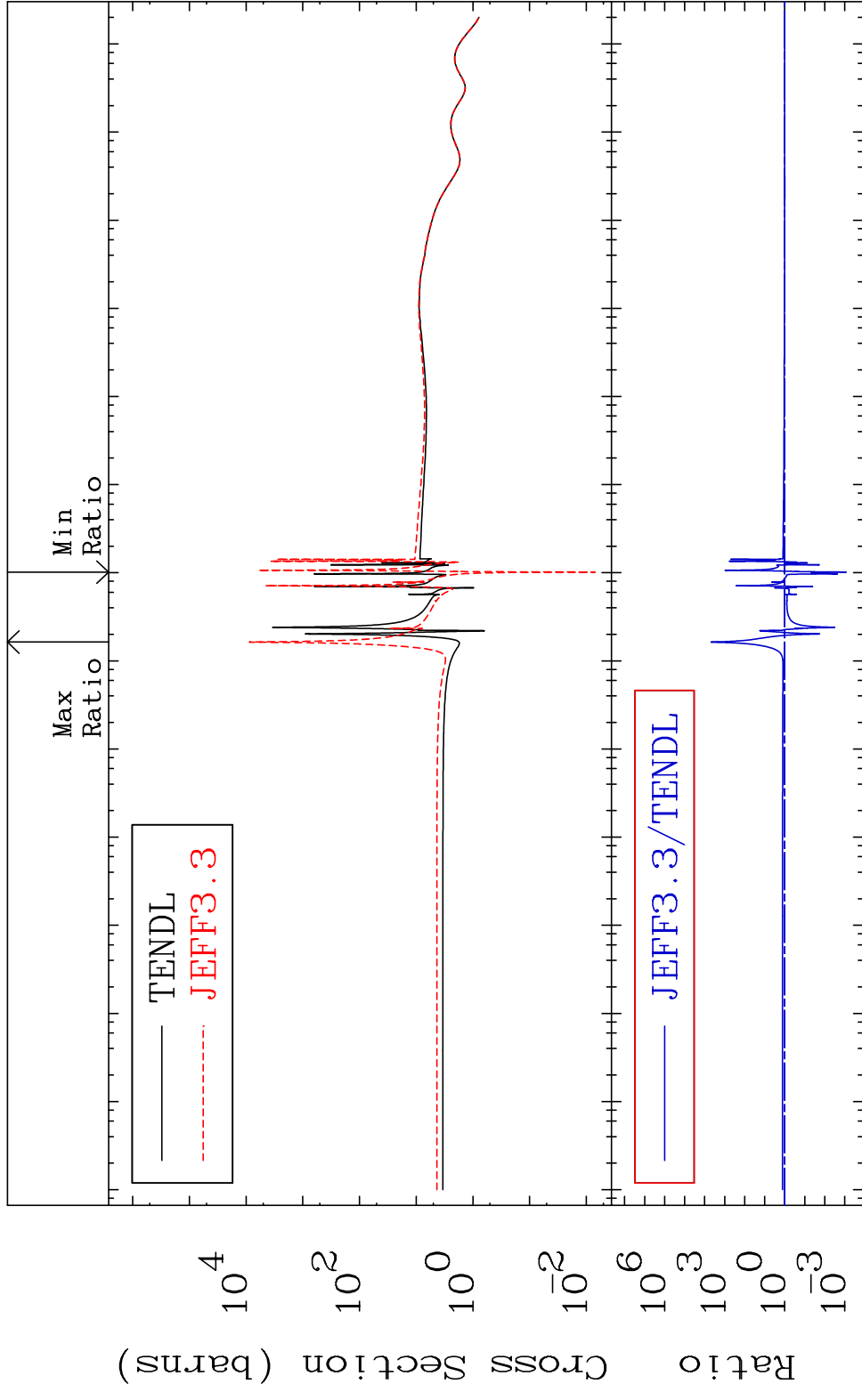
MAT 4628

Elastic

Cross Section

-99.92 To 9999. %

46-Pd-103

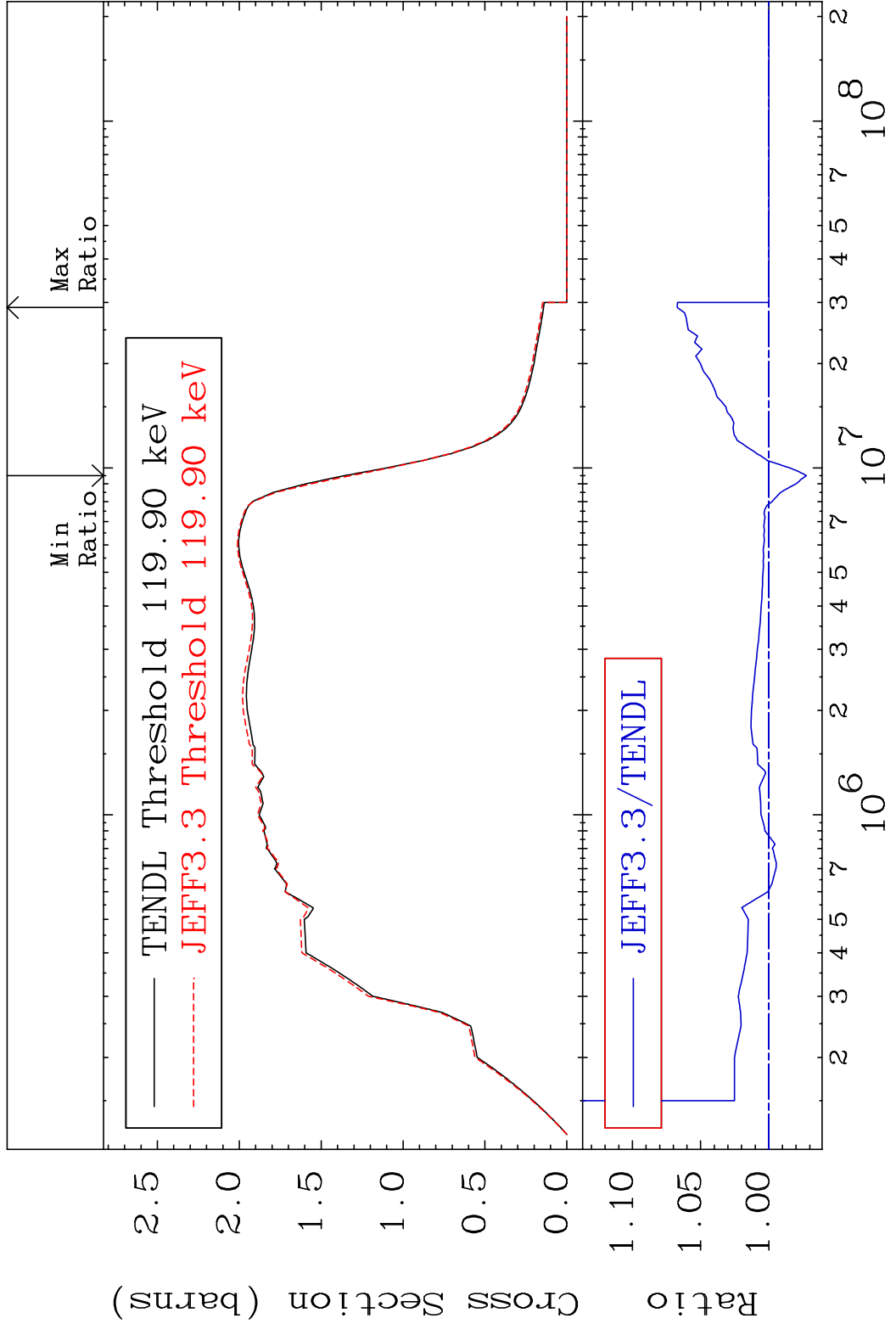


2

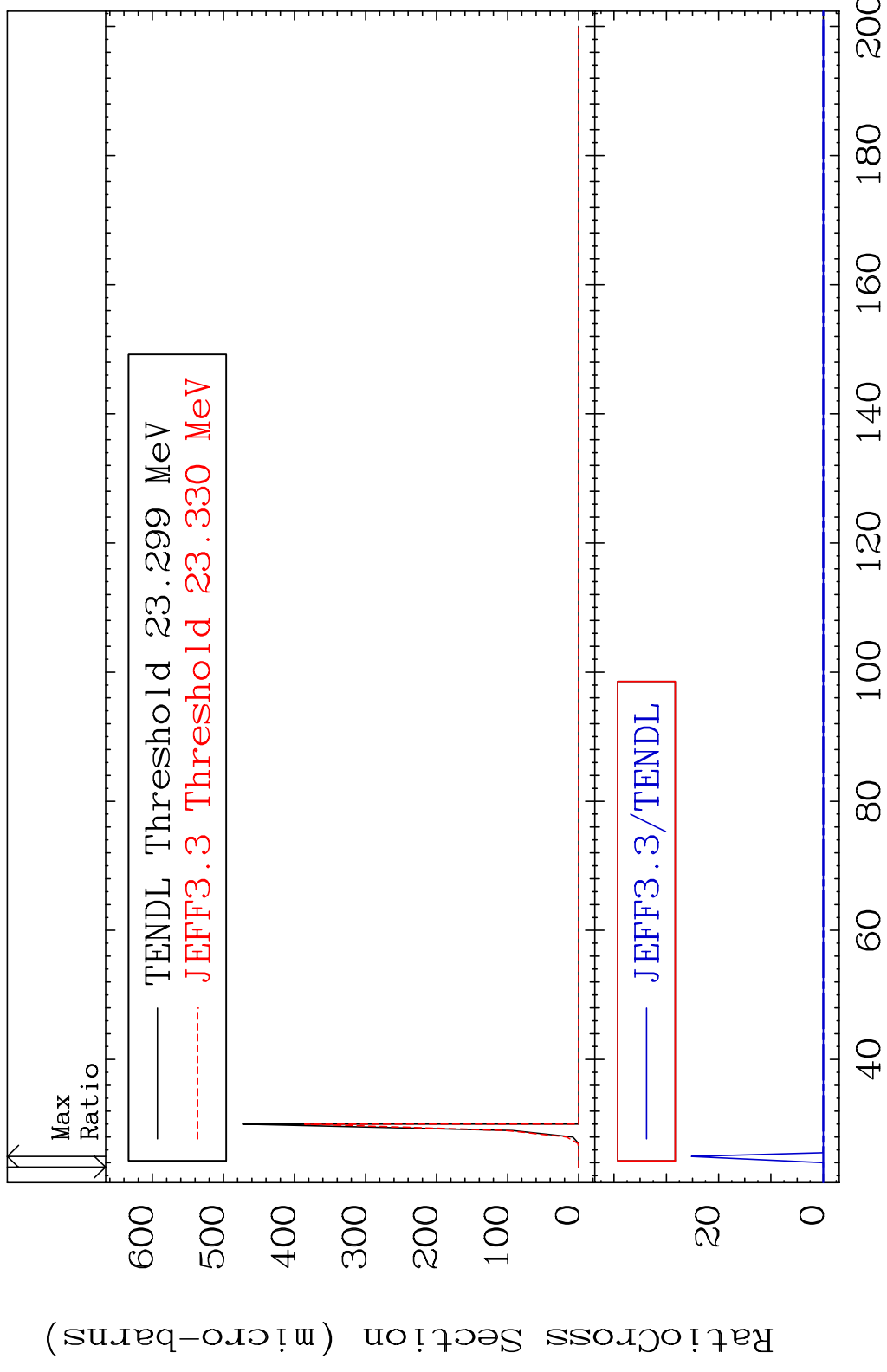
Incident Energy (eV)

46-Pd-103

MAT 4628 Inelastic 46-Pd-103  
 Cross Section -2.752 To 6.718 %



MAT 4628 (n,2n) d 46-Pd-103  
 Cross Section -100.0 To 9999. %

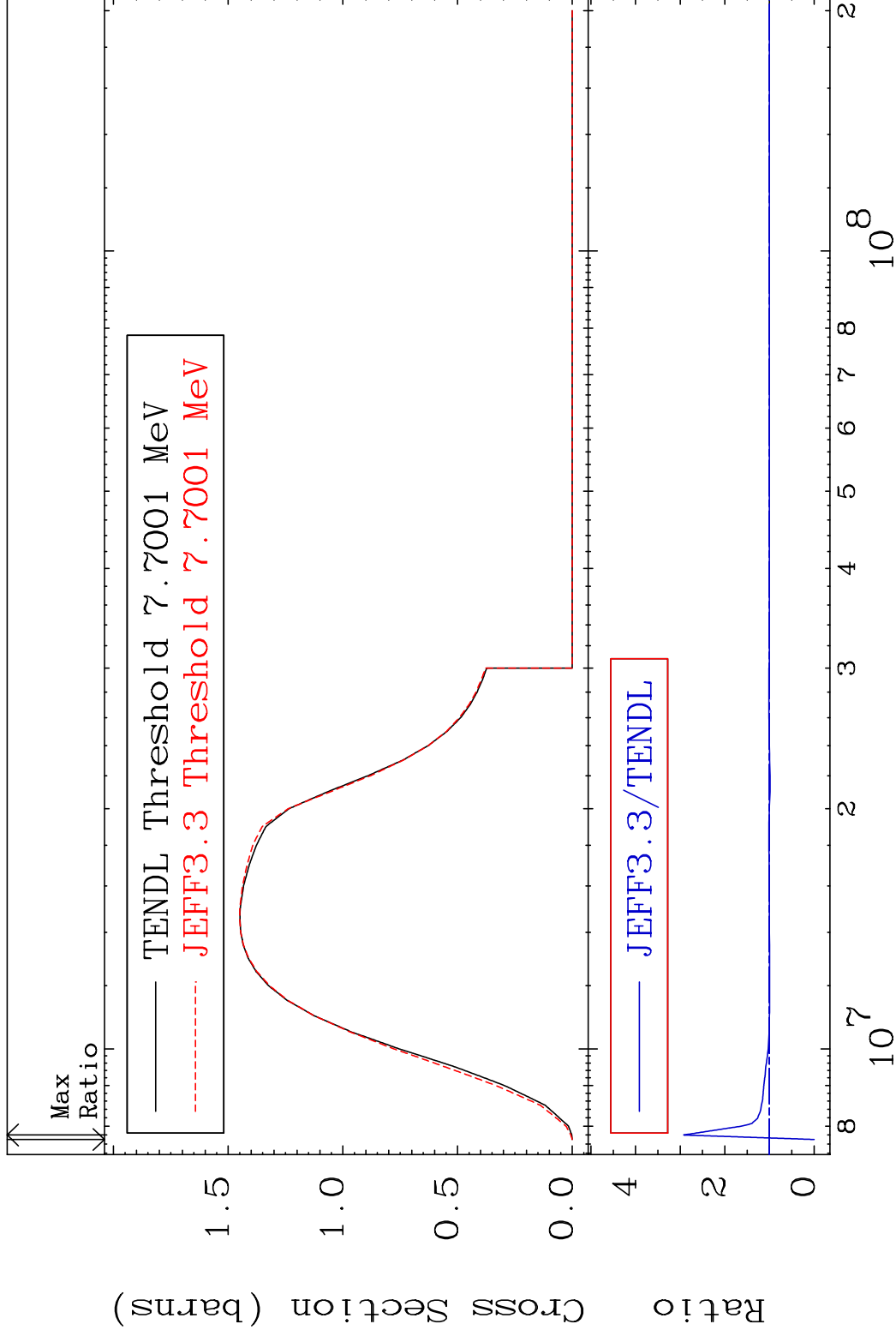


MAT 4628

(n,2n)

46-Pd-103

Cross Section -100.0 To 192.2 %

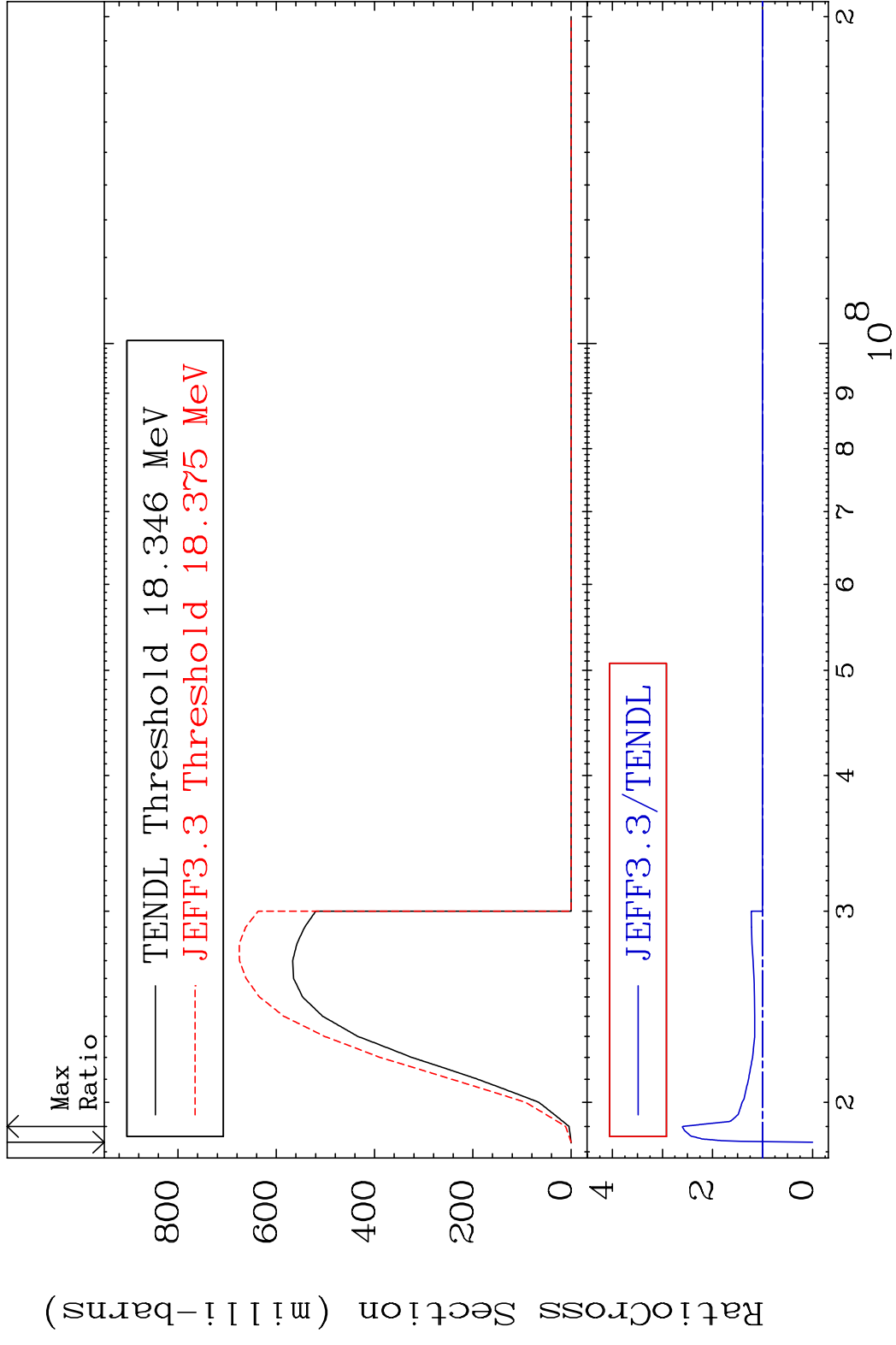


5

Incident Energy (eV)

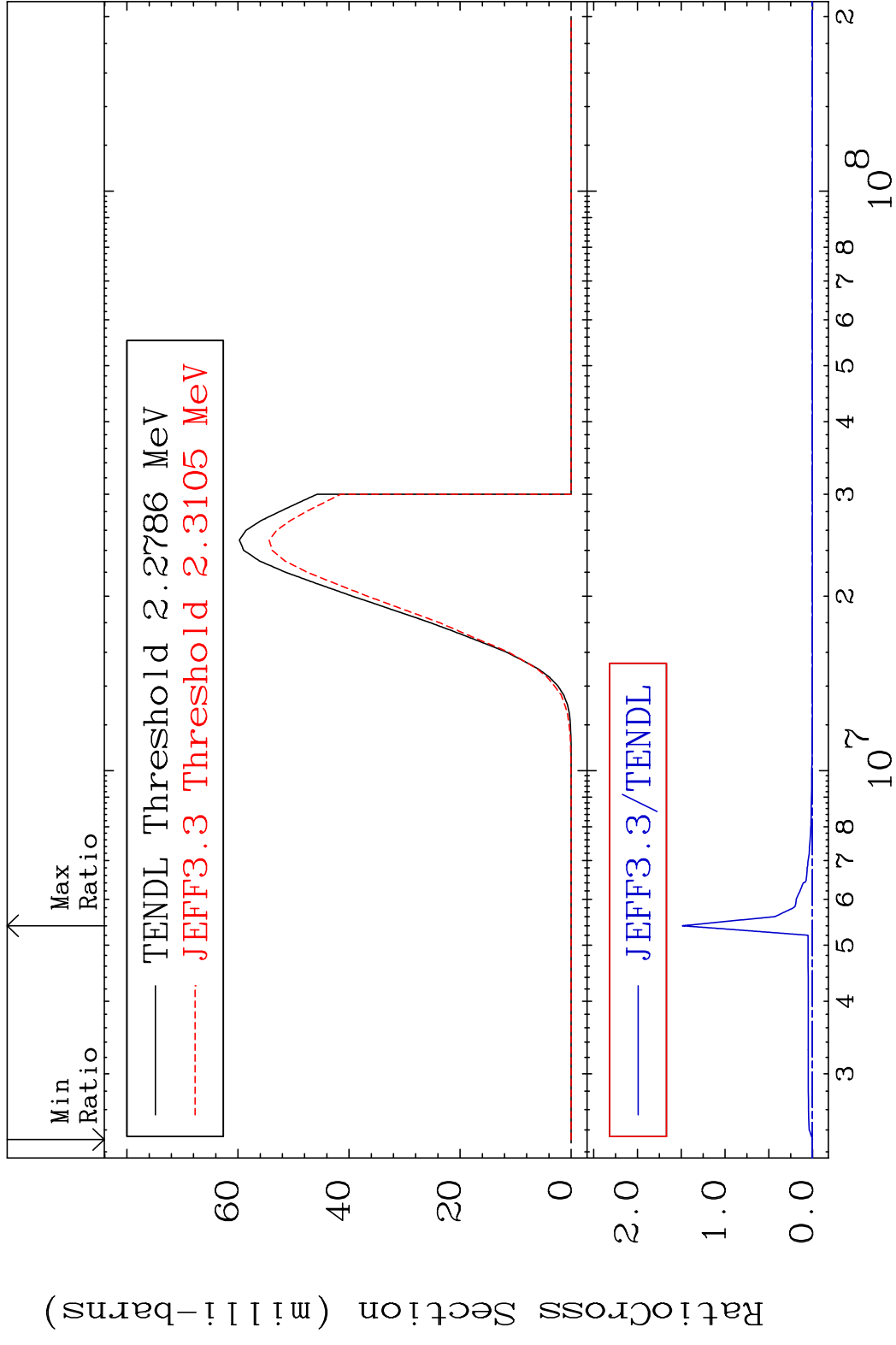
46-Pd-103

MAT 4628 (n,3n) 46-Pd-103  
 Cross Section -100.0 To 160.2 %



6 Incident Energy (eV) 46-Pd-103

MAT 4628 (n, n')  $\alpha$  46-Pd-103  
 Cross Section -100.0 To 9999. %



7 46-Pd-103

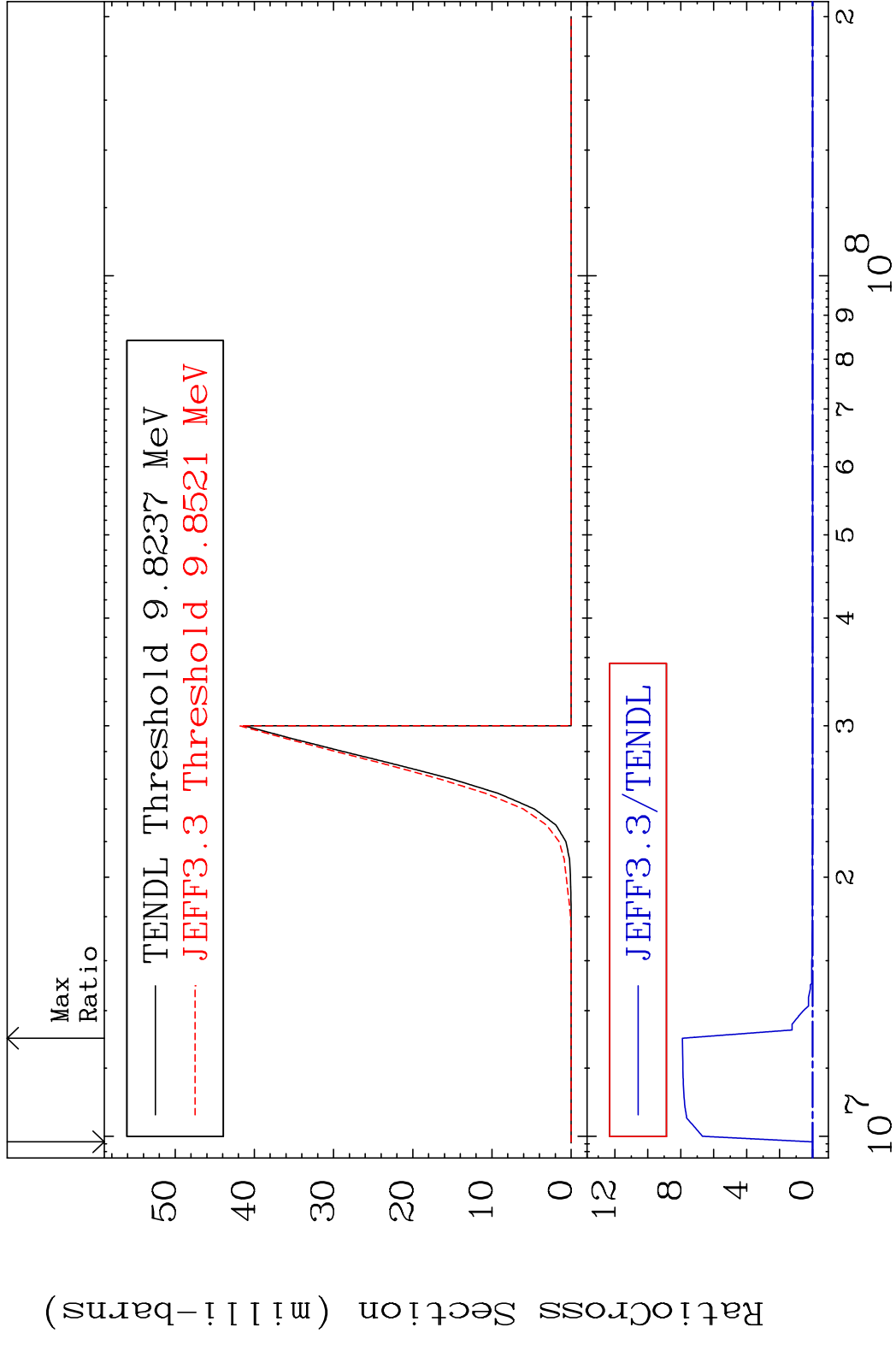


MAT 4628

(n,2n)  $\alpha$

46-Pd-103

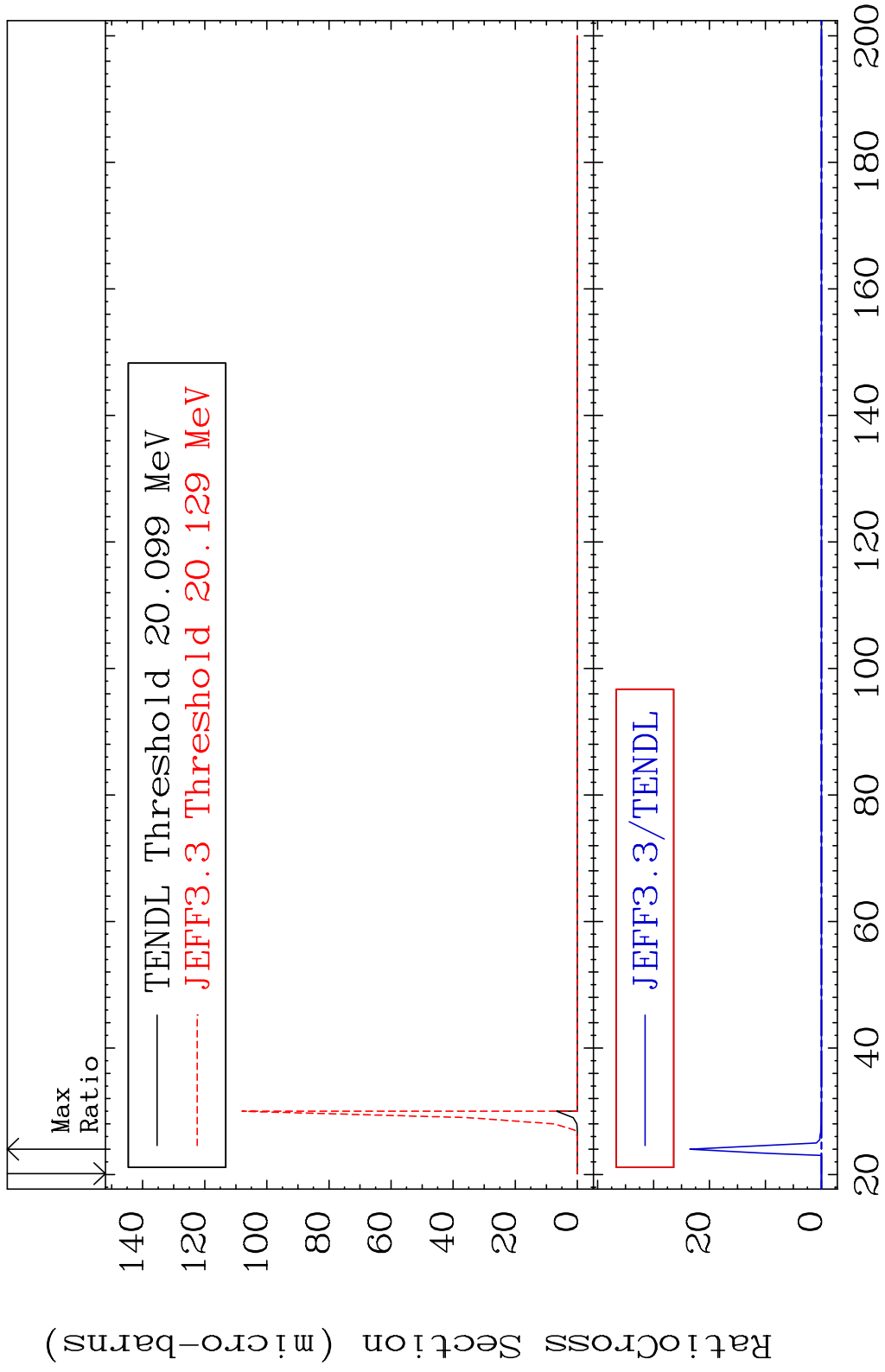
Cross Section -100.0 To 9999. %



46-Pd-103

Incident Energy (eV)

MAT 4628 (n,3n)  $\alpha$  46-Pd-103  
Cross Section -100.0 To 9999. %

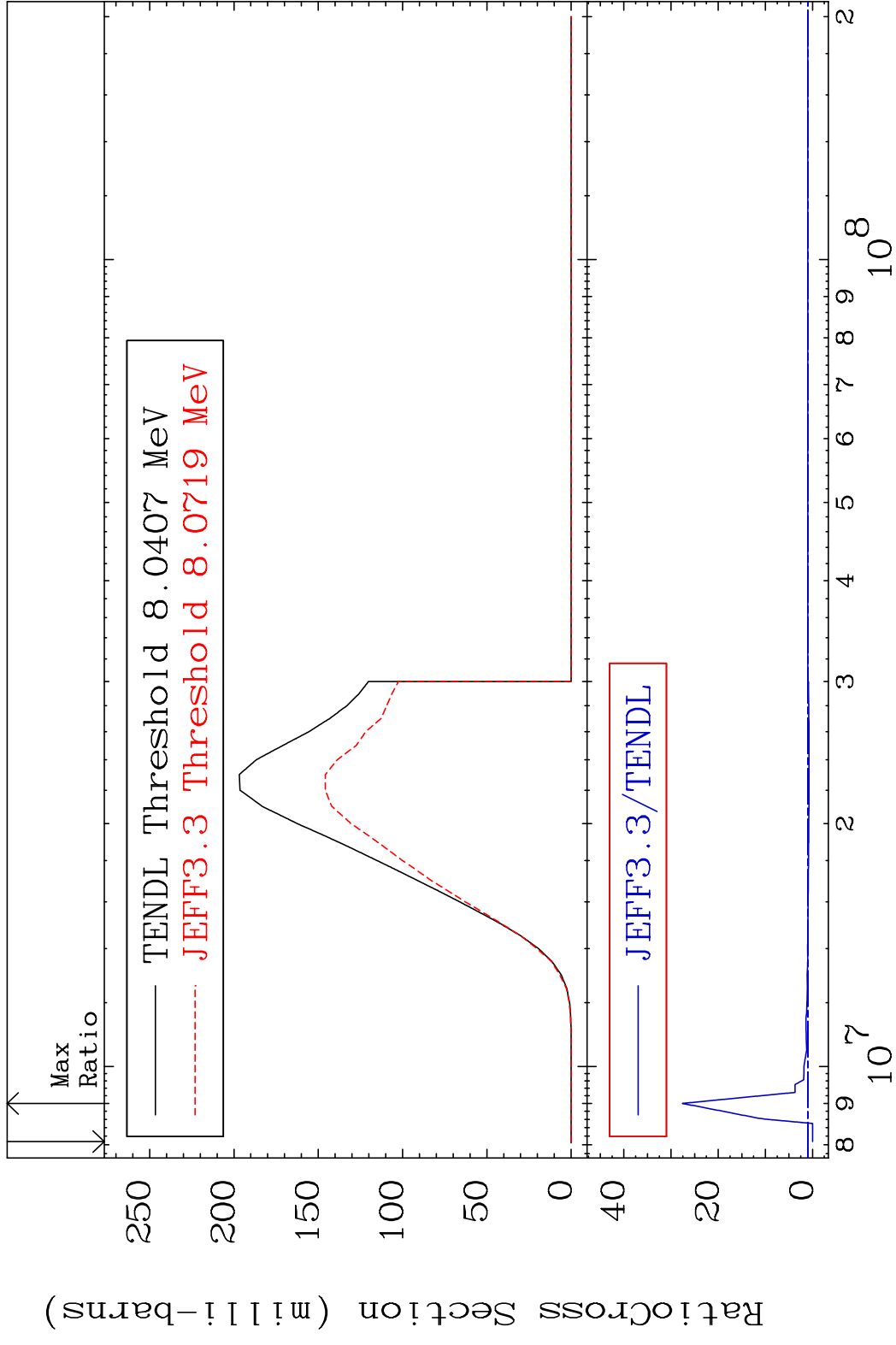


MAT 4628

(n, n') p

46-Pd-103

Cross Section -100.0 To 2660. %

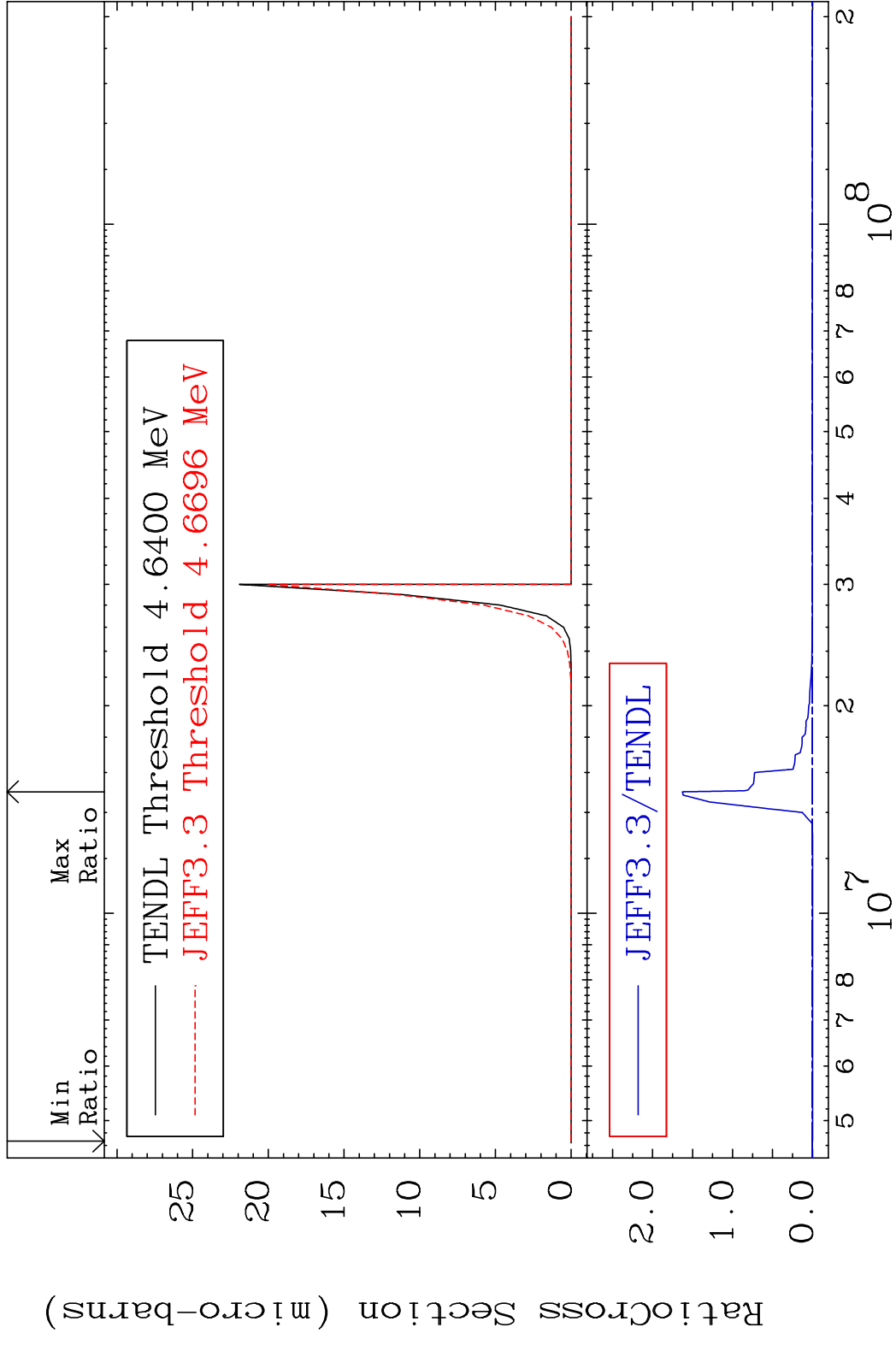


10

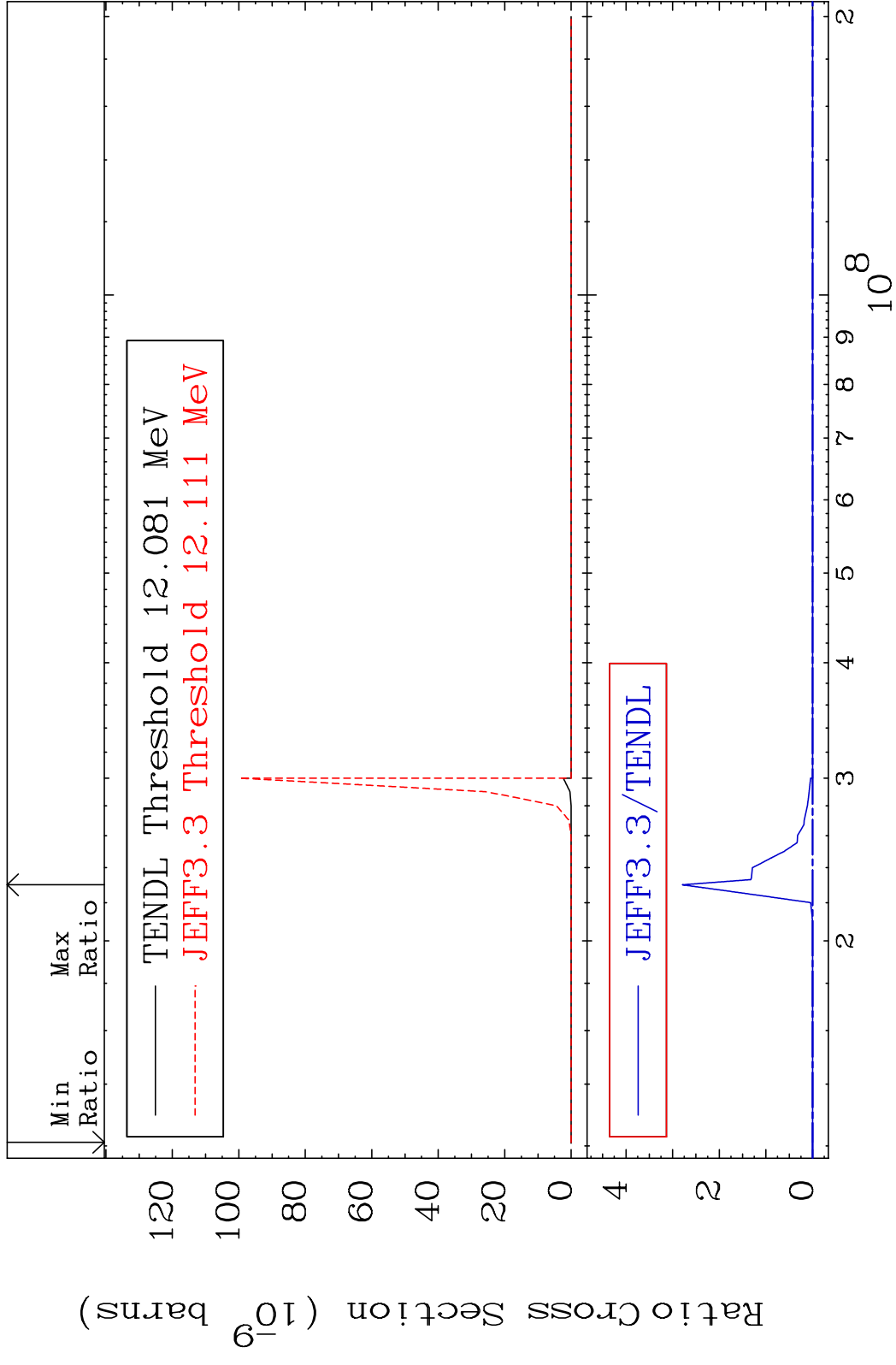
Incident Energy (eV)

46-Pd-103

MAT 4628 (n, n') 2α 46-Pd-103  
 Cross Section -100.0 To 9999. %



MAT 4628 (n,2n) 2α 46-Pd-103  
 Cross Section -100.0 To 9999. %

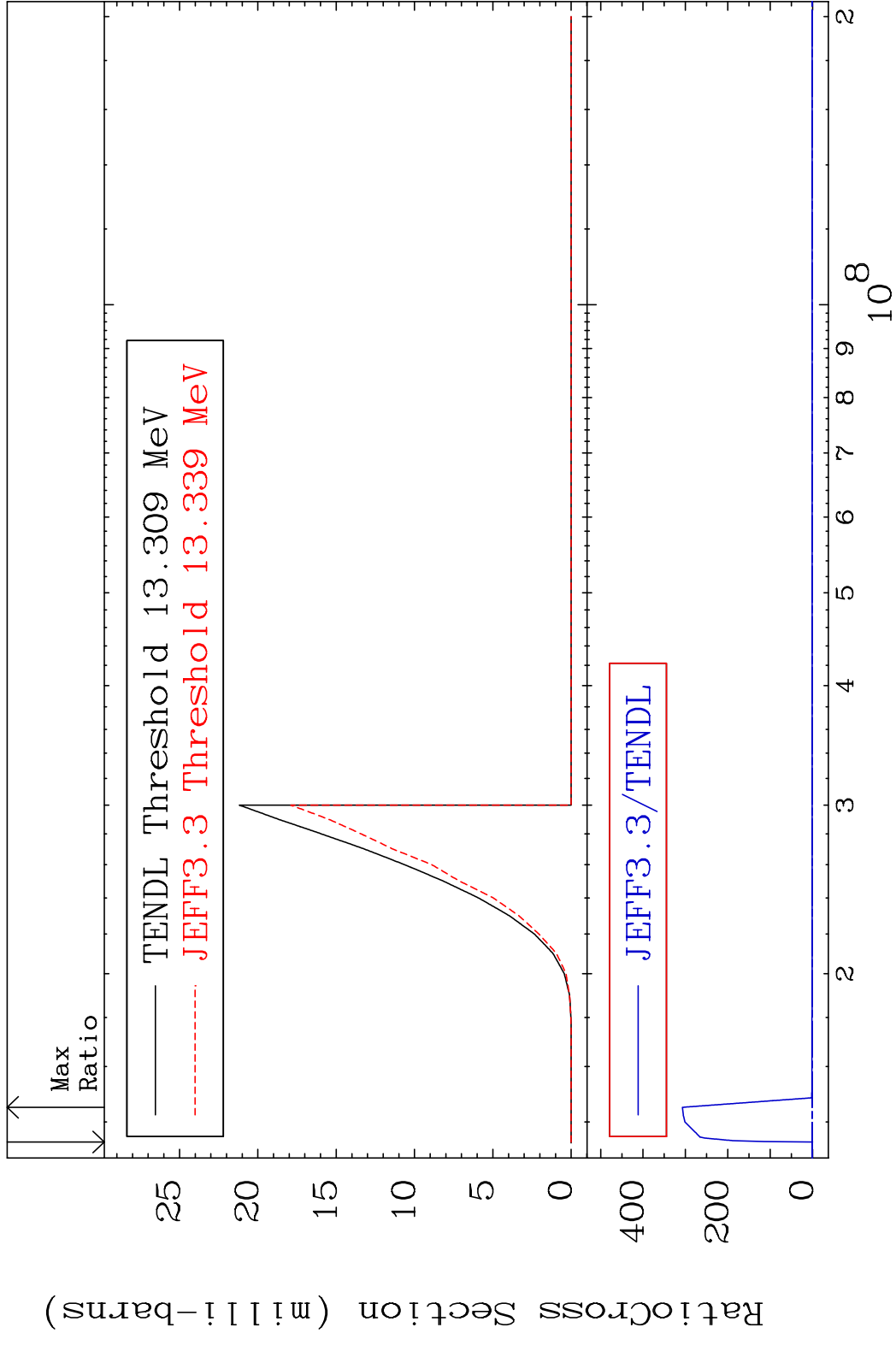


MAT 4628

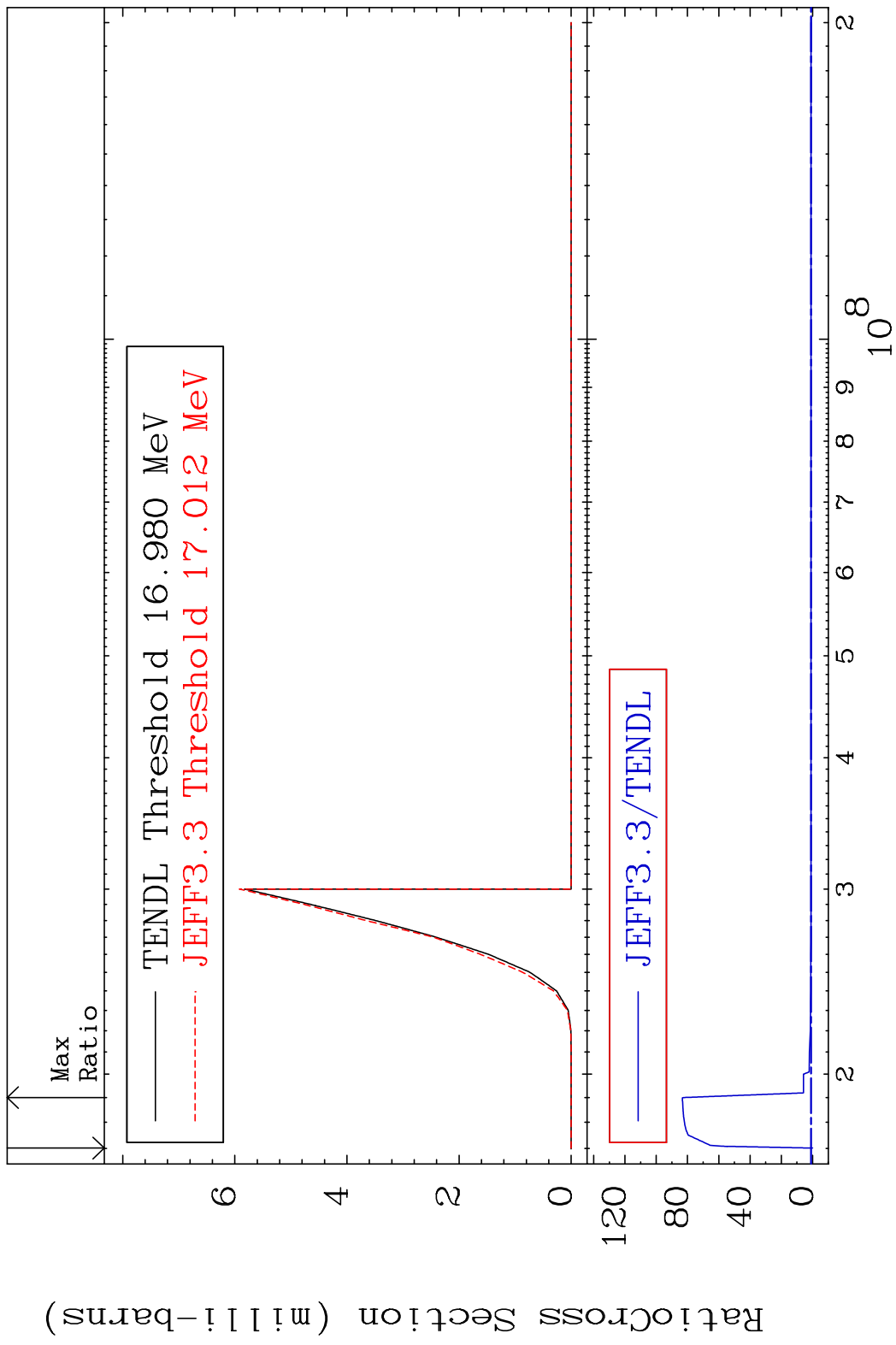
(n, n') d

46-Pd-103

Cross Section -100.0 To 9999. %



MAT 4628 (n, n') t 46-Pd-103  
 Cross Section -100.0 To 8230. %

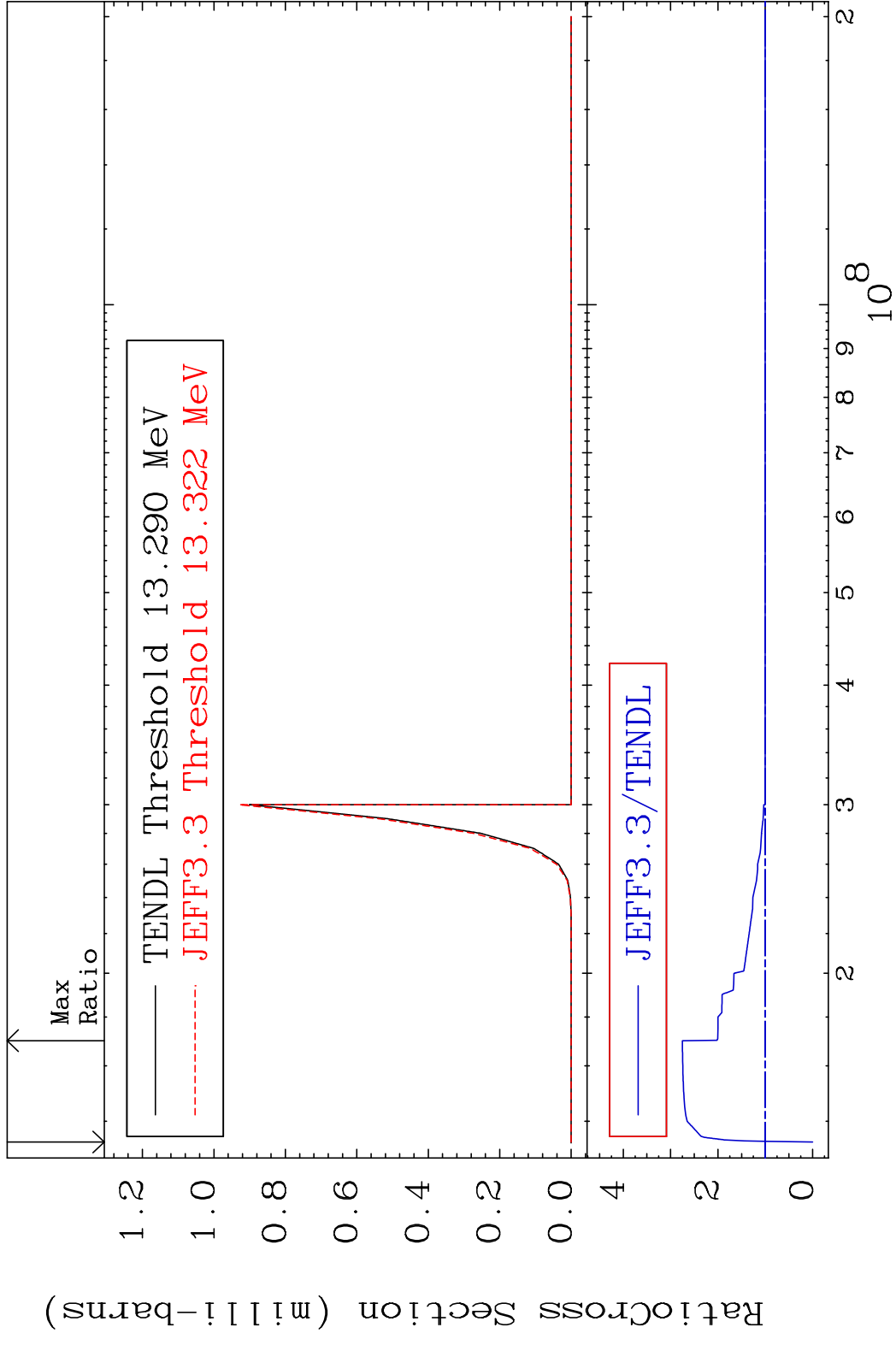


MAT 4628

(n,n') He-3

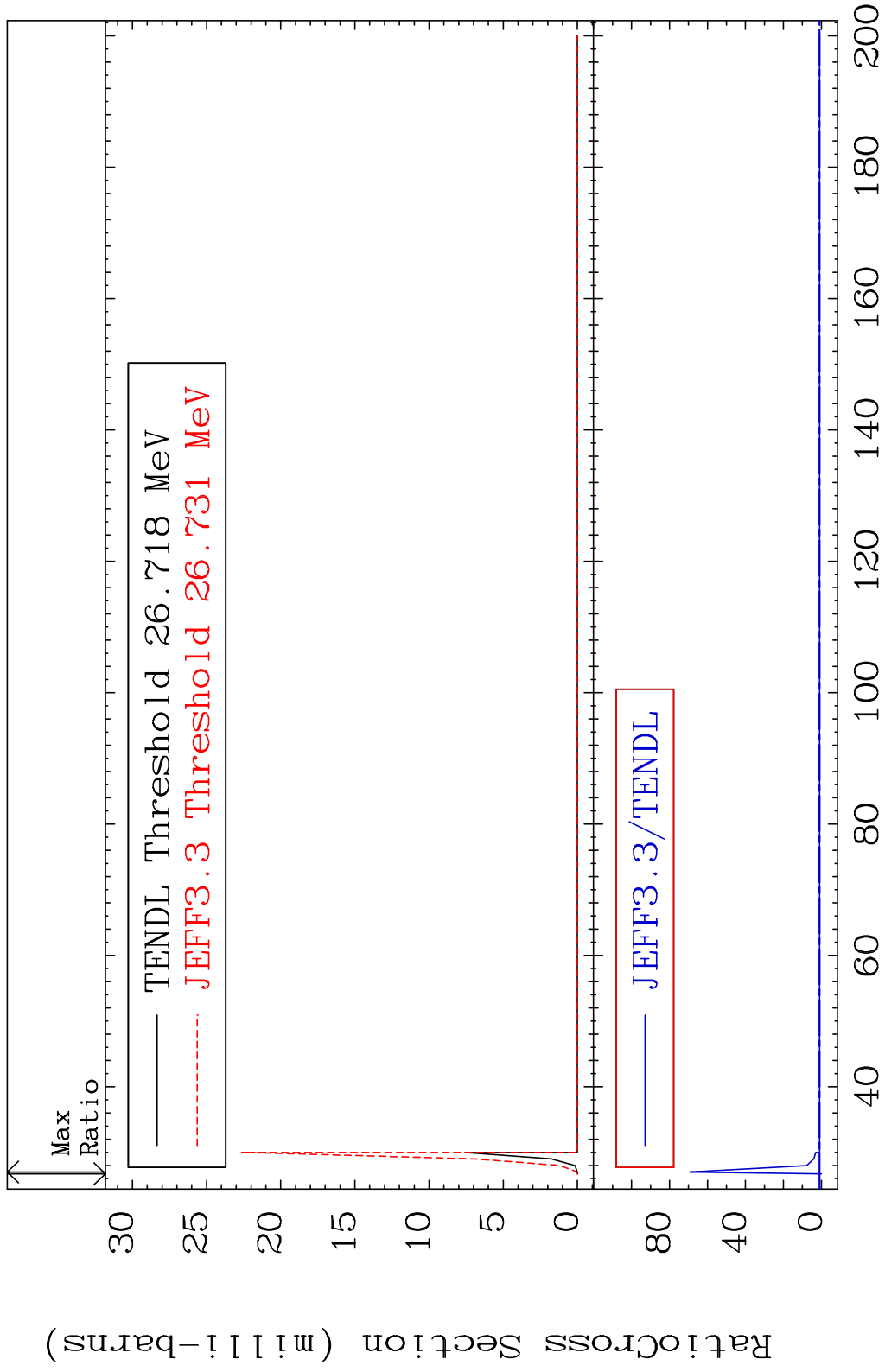
46-Pd-103

Cross Section -100.0 To 175.1 %

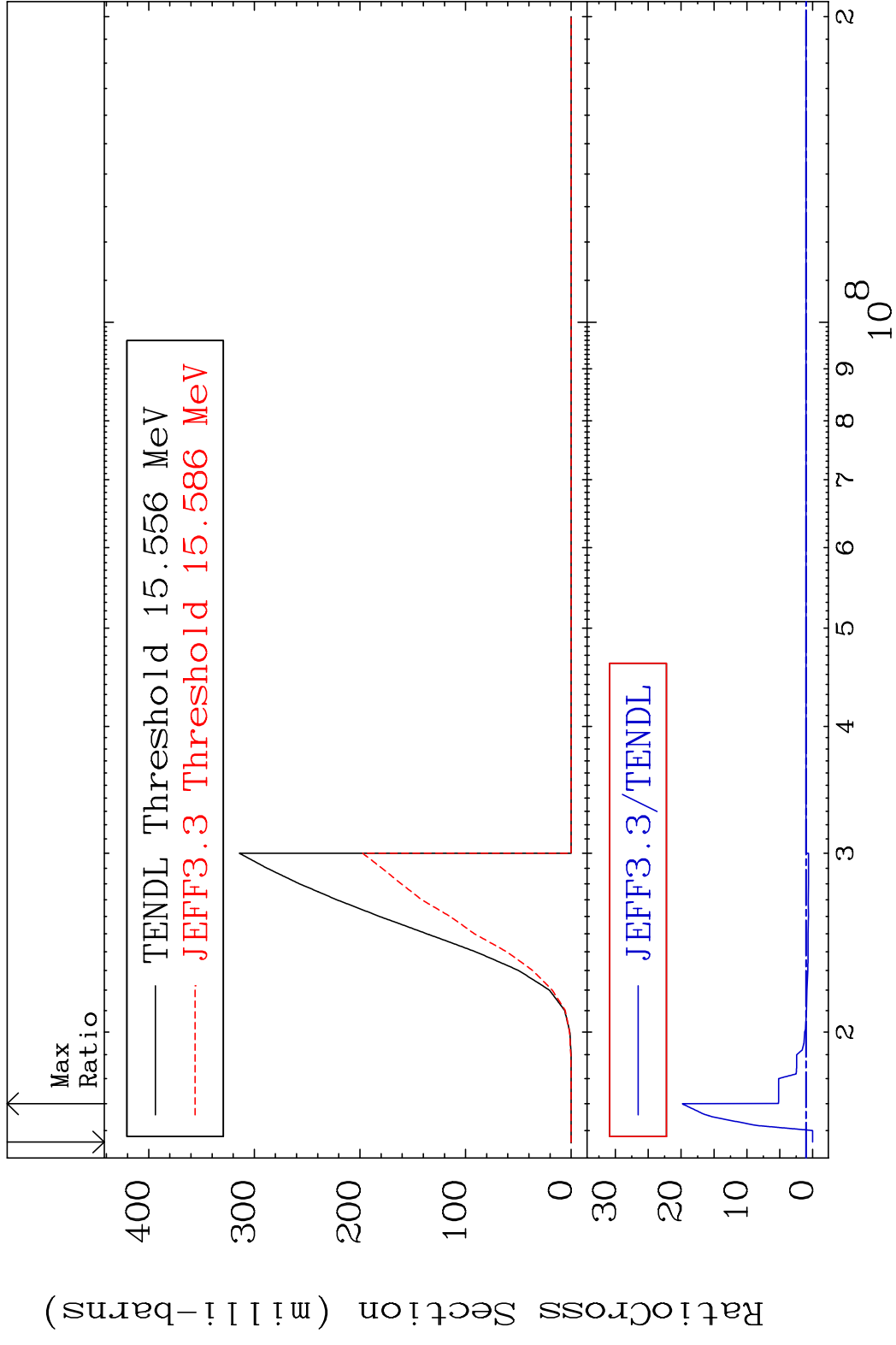




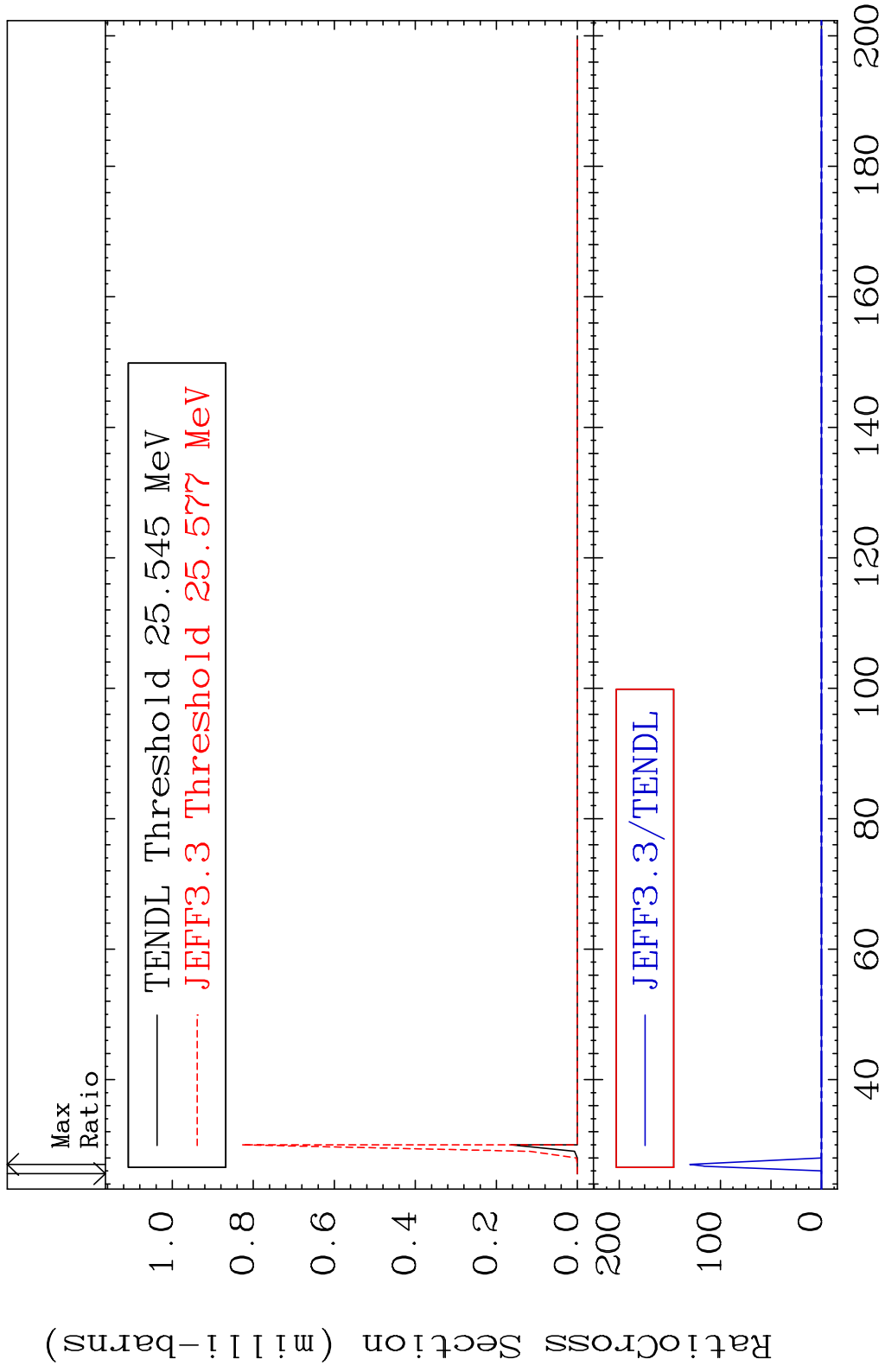
MAT 4628 (n,4n) 46-Pd-103  
 Cross Section -100.0 To 6832. %



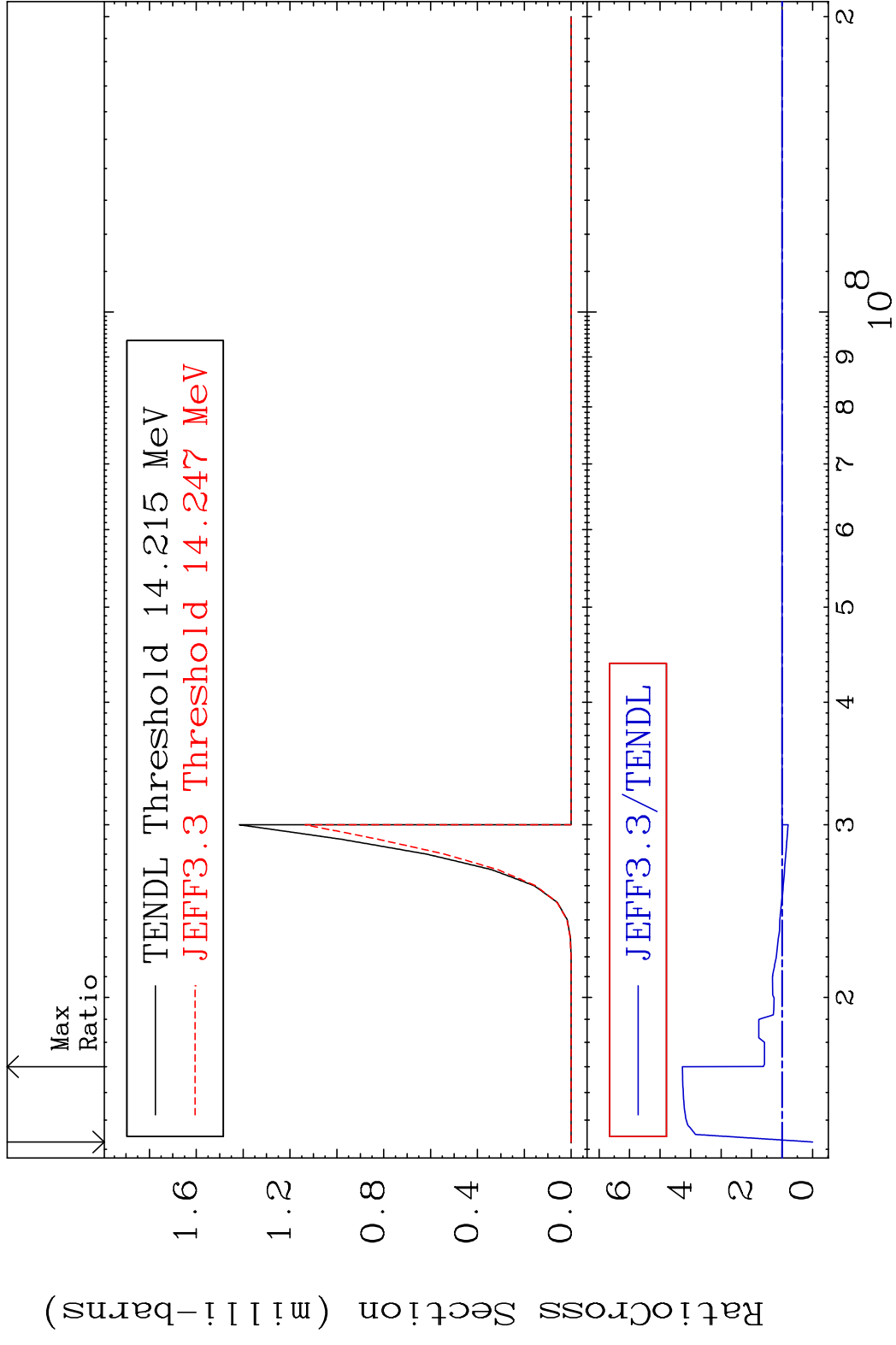
MAT 4628 (n,2n) p 46-Pd-103  
 Cross Section -100.0 To 1881. %



MAT 4628 (n,3n) p 46-Pd-103  
 Cross Section -100.0 To 9999. %



MAT 4628 (n,2n) p 46-Pd-103  
 Cross Section -100.0 To 326.9 %

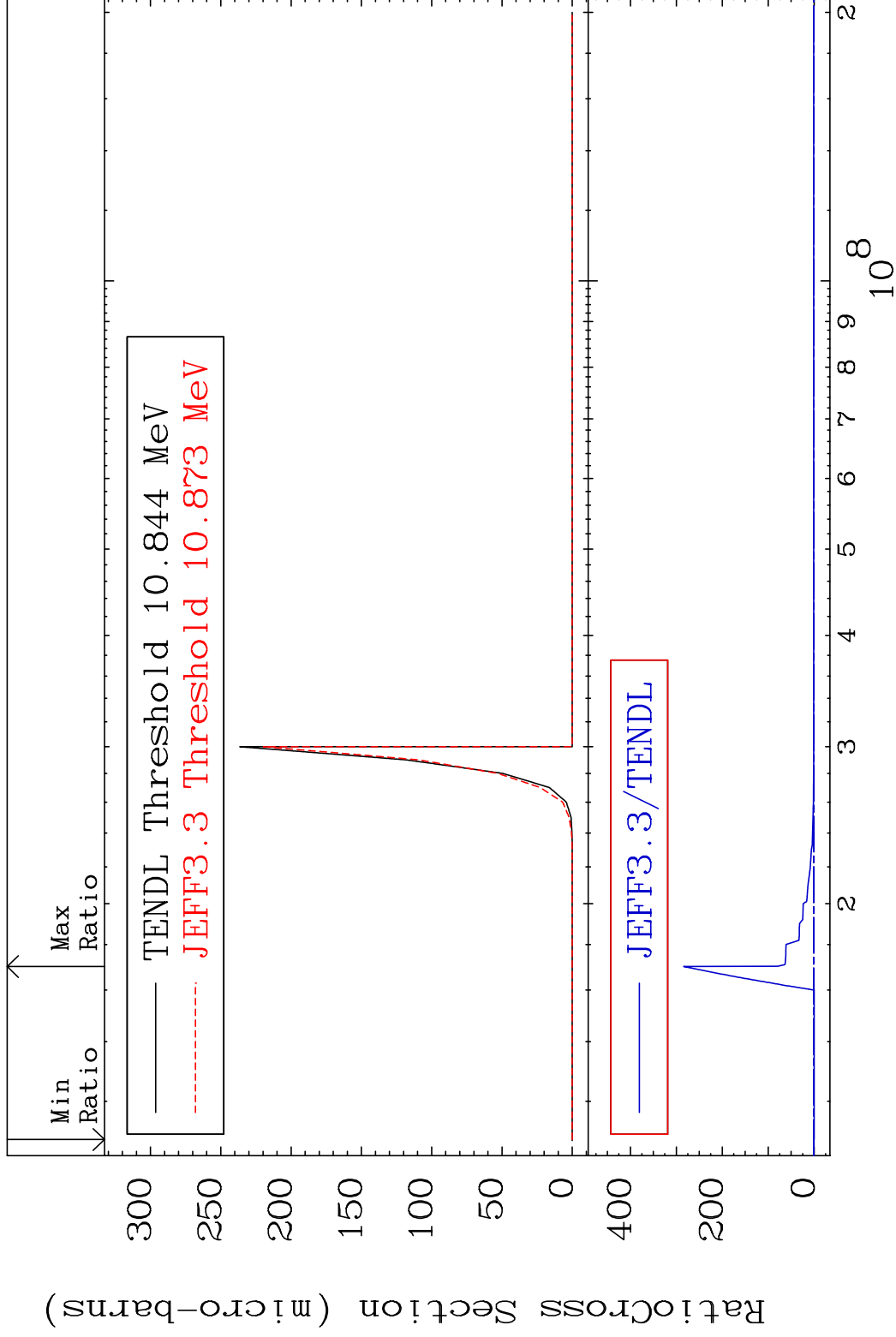


MAT 4628

(n,n') p  $\alpha$

46-Pd-103

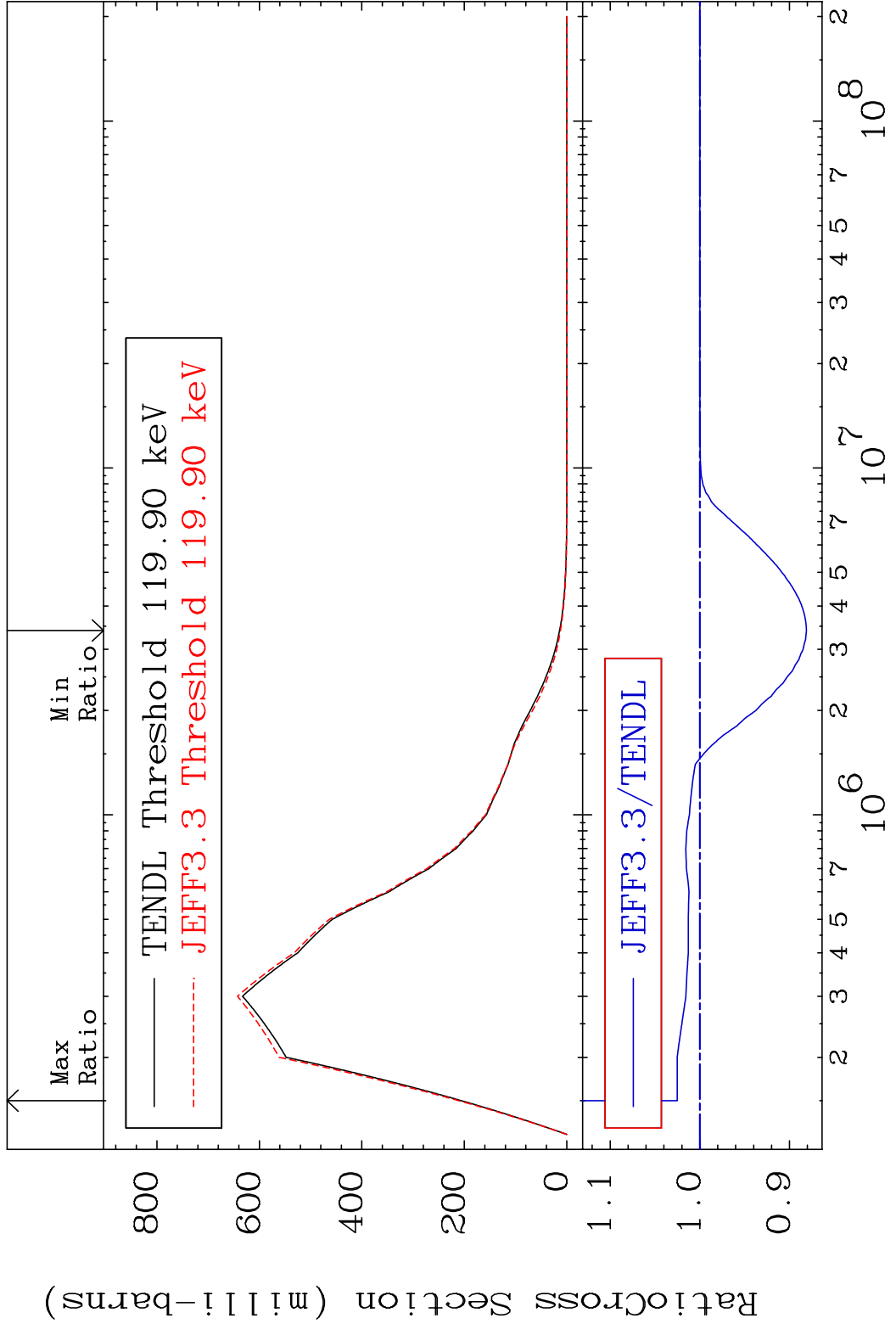
Cross Section -100.0 To 9999. %



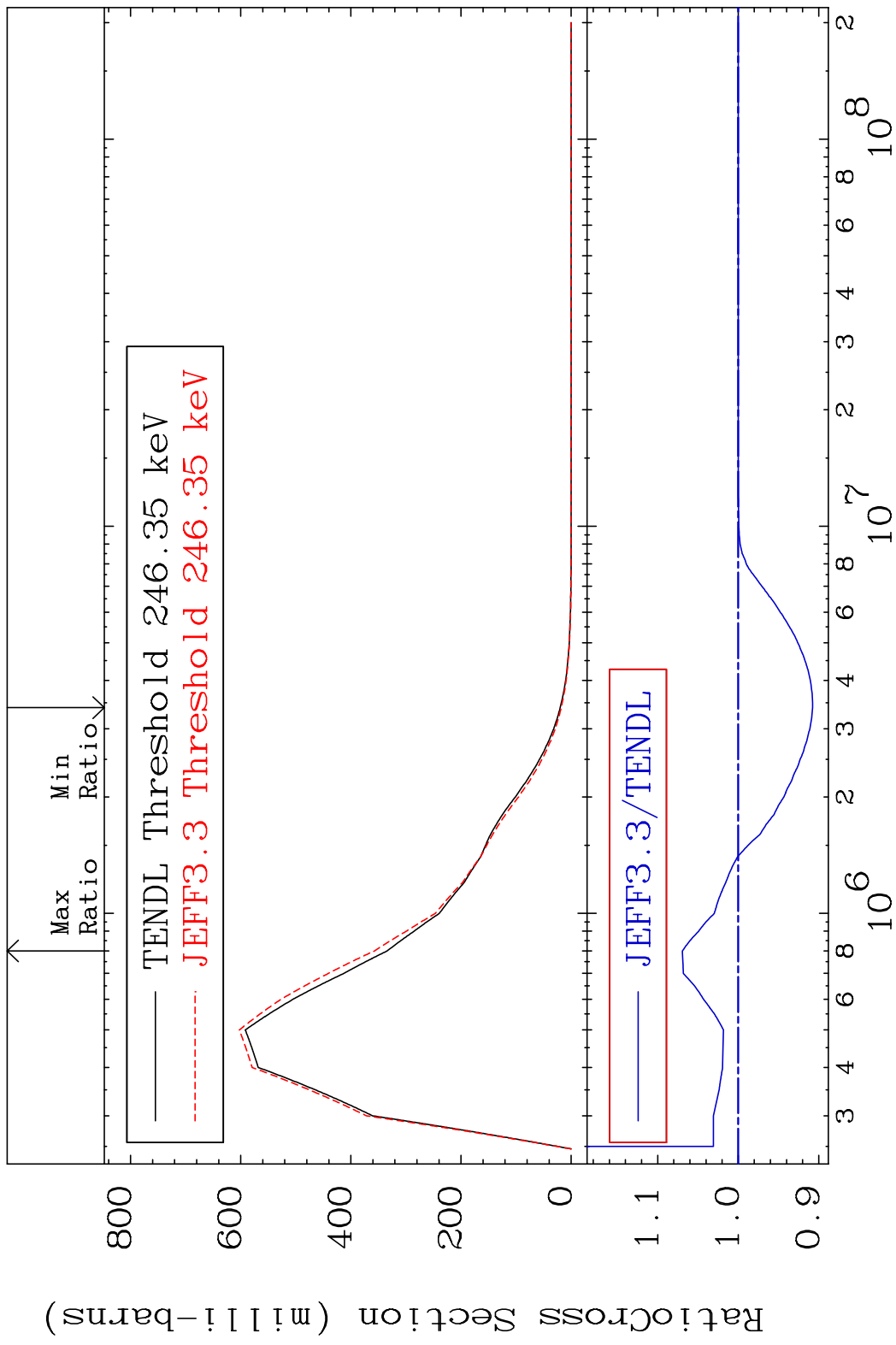
20

46-Pd-103

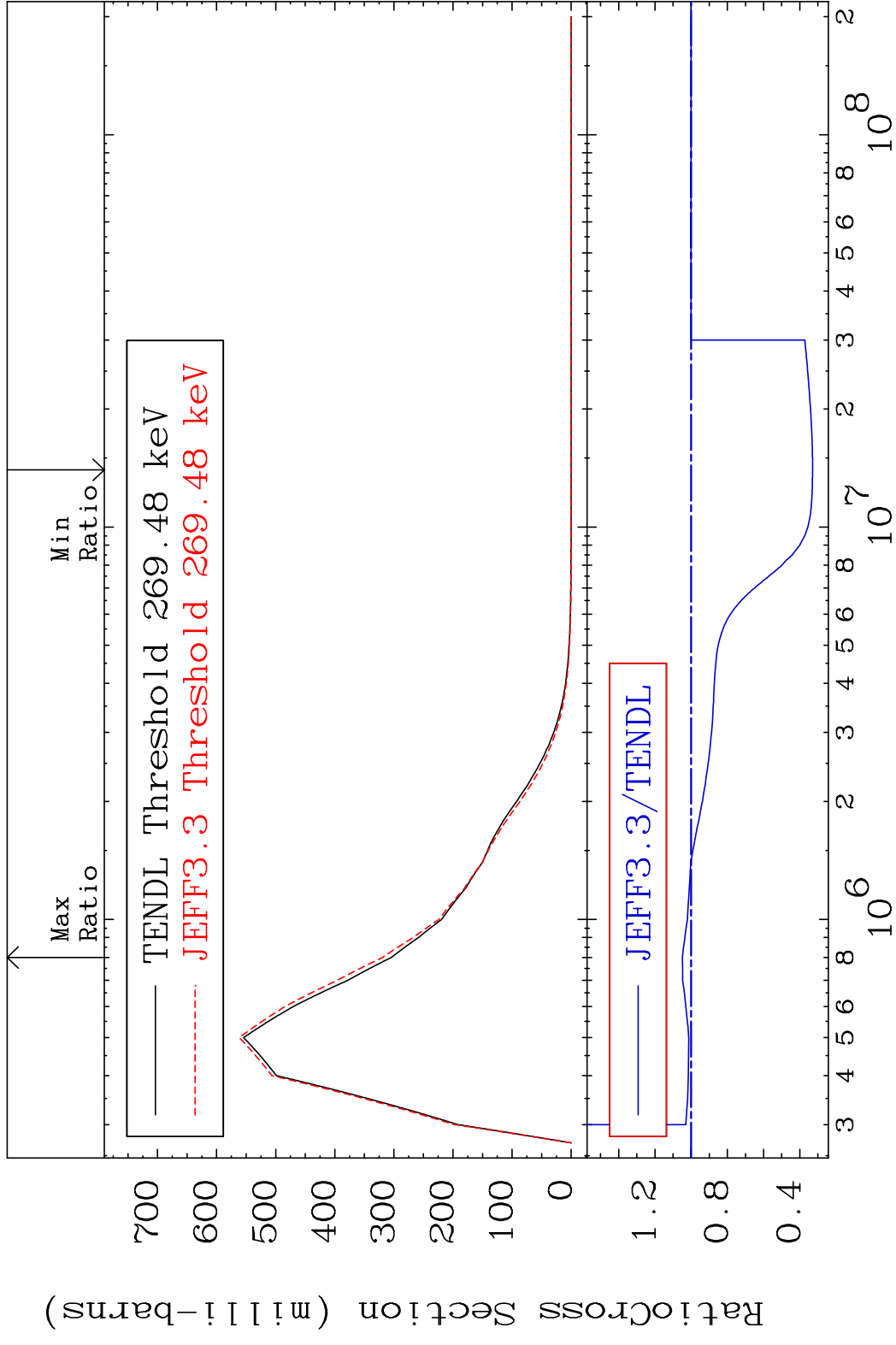
MAT 4628 MT= 51 (n,n') Level 46-Pd-103  
 Cross Section -11.89 To 2.522 %



MAT 4628 MT= 52 (n,n') Level 46-Pd-103  
 Cross Section -9.227 To 6.936 %

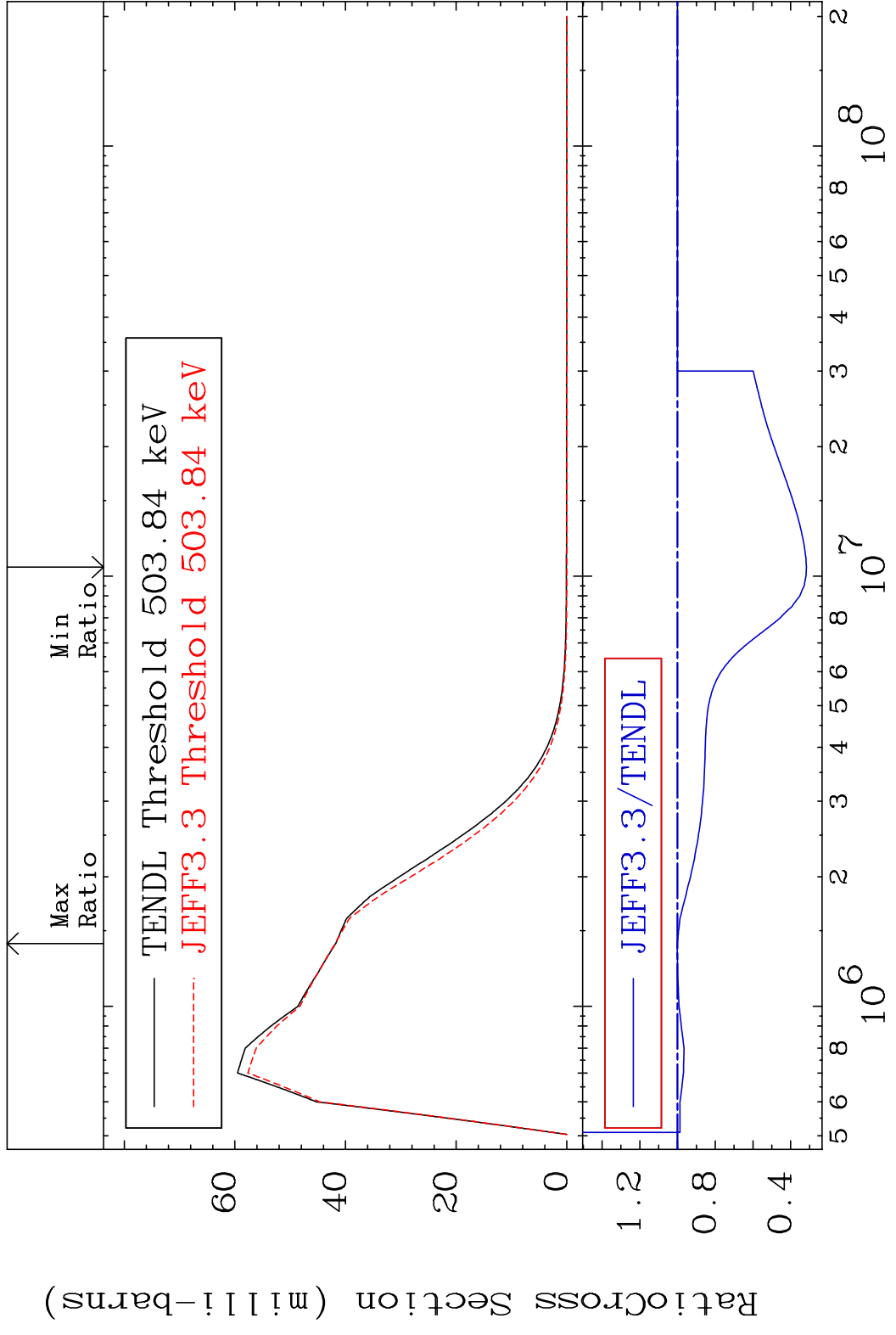


MAT 4628 MT= 53 (n, n') Level 46-Pd-103  
 Cross Section -67.05 To 4.860 %

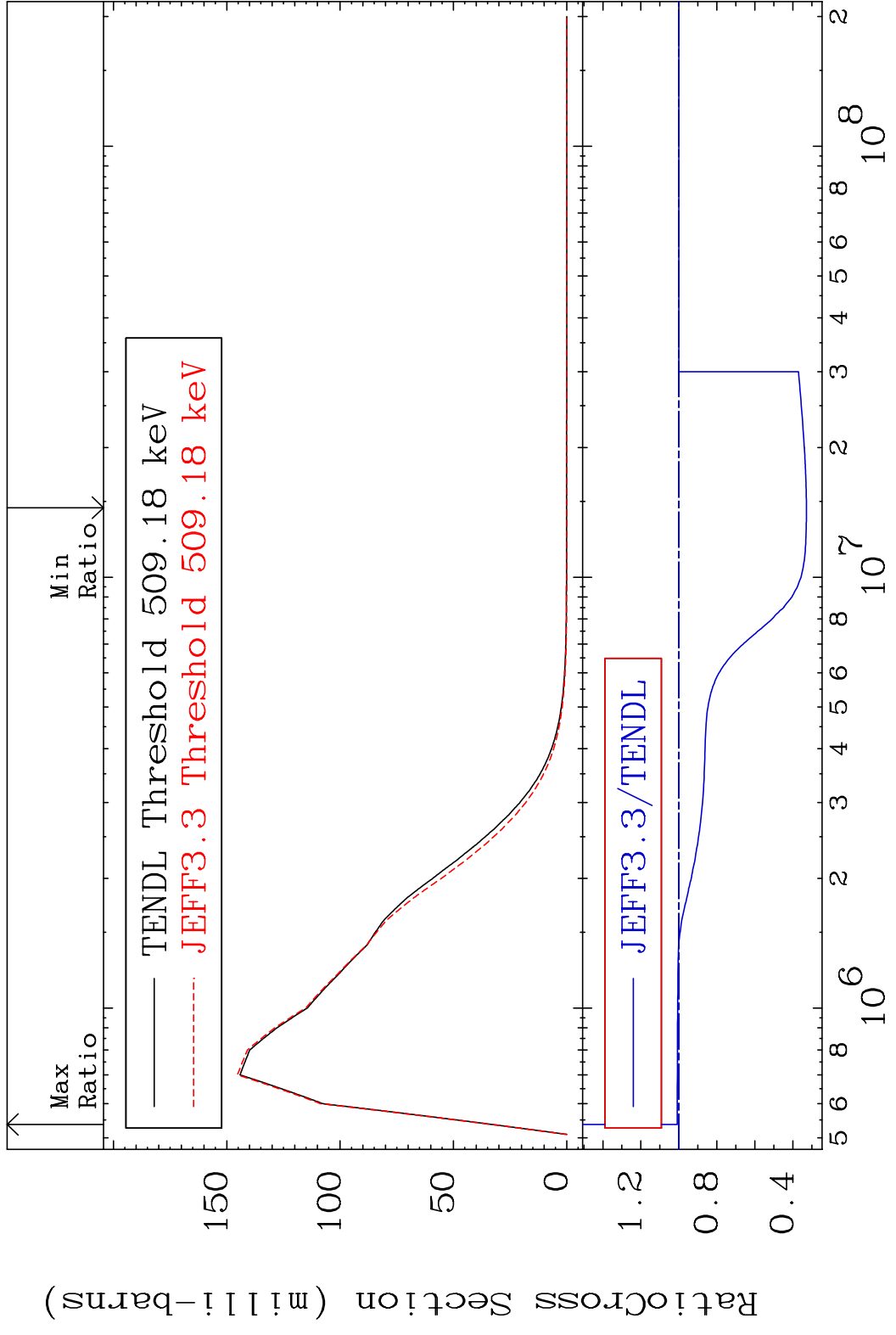




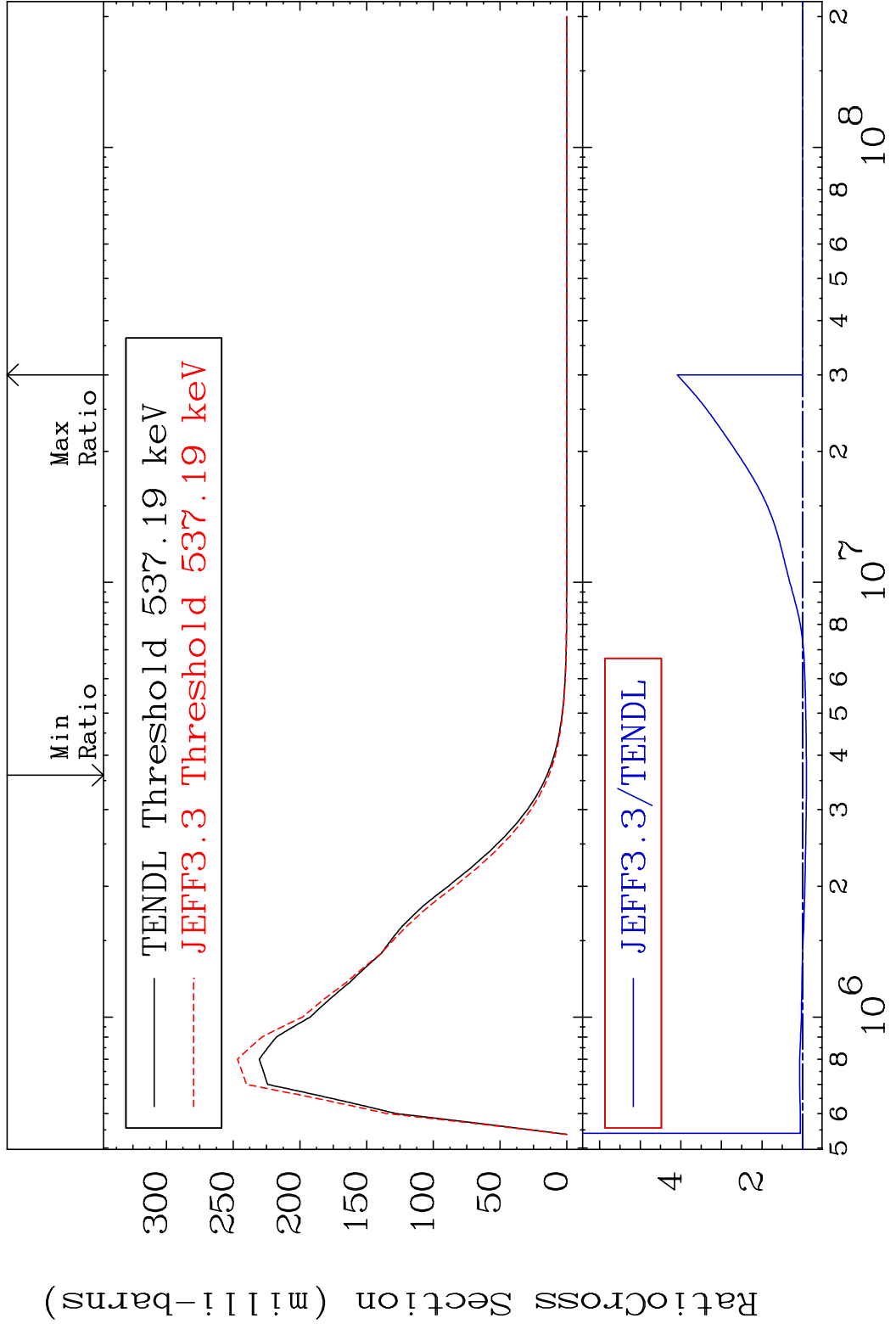
MAT 4628 MT= 54 (n,n') Level 46-Pd-103  
 Cross Section -68.34 To 0.188 %



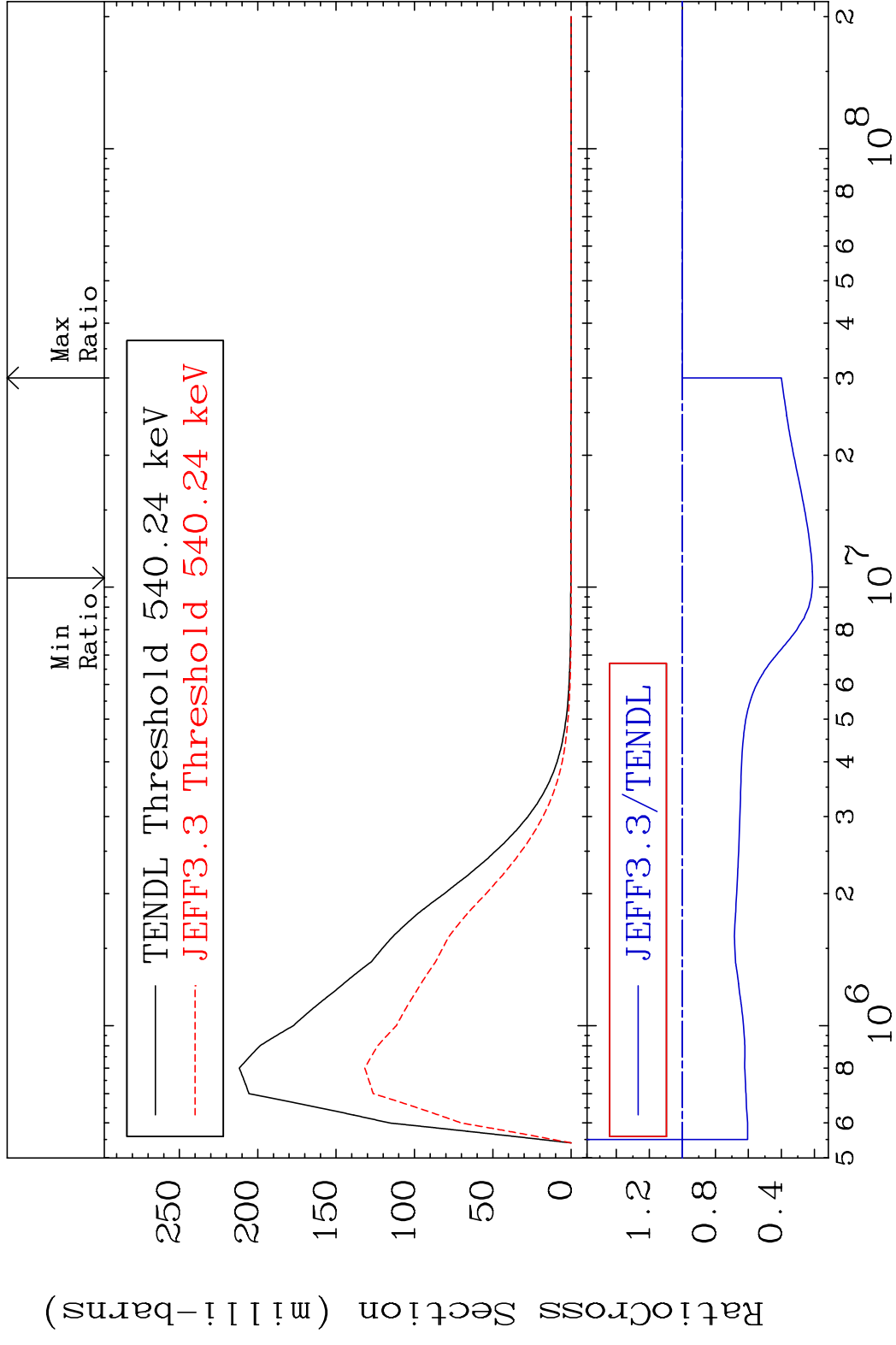
MAT 4628 MT= 55 (n, n') Level 46-Pd-103  
 Cross Section -67.10 To 0.897 %



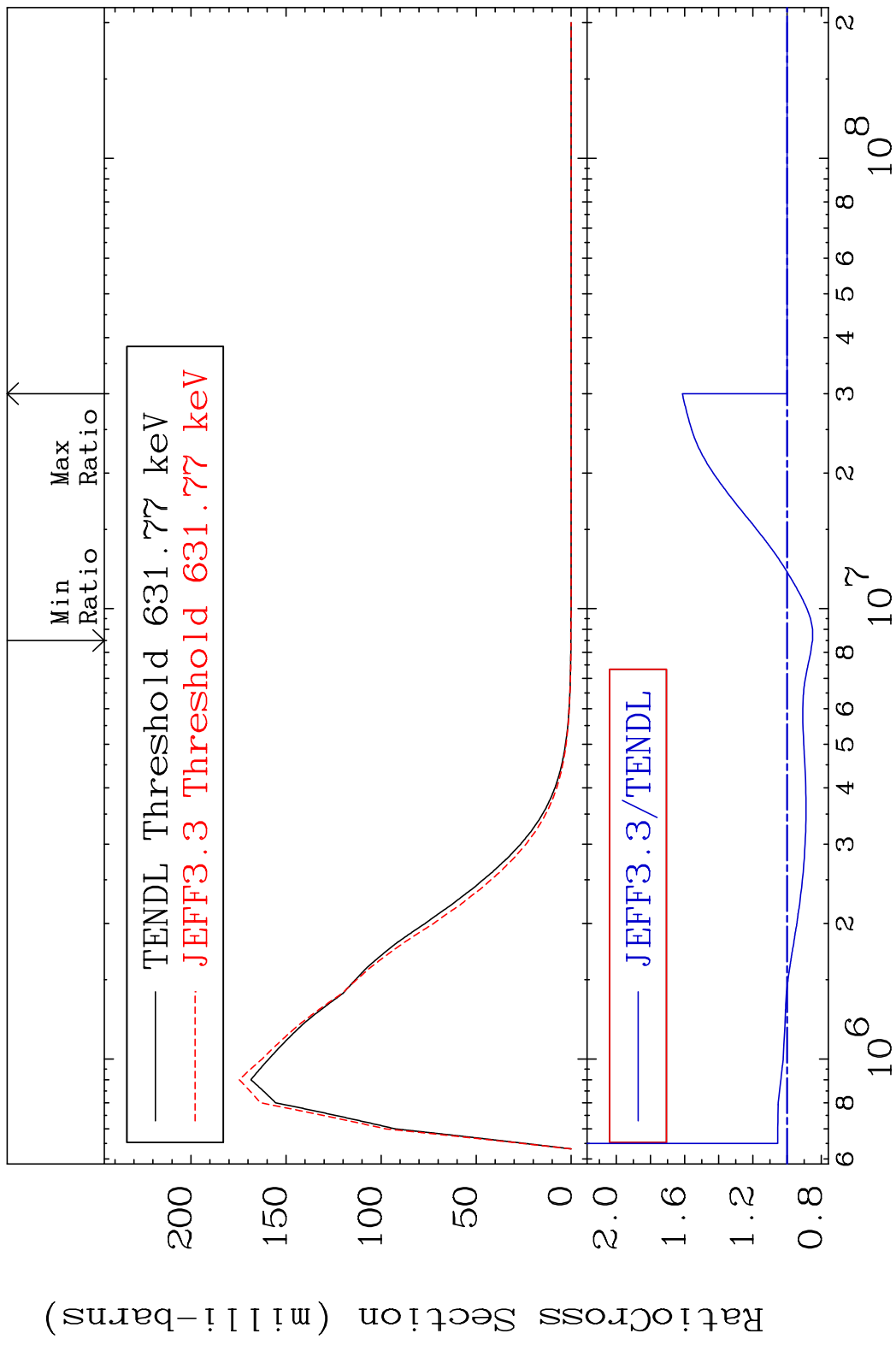
MAT 4628 MT= 56 (n, n') Level 46-Pd-103  
 Cross Section -9.406 To 309.0 %



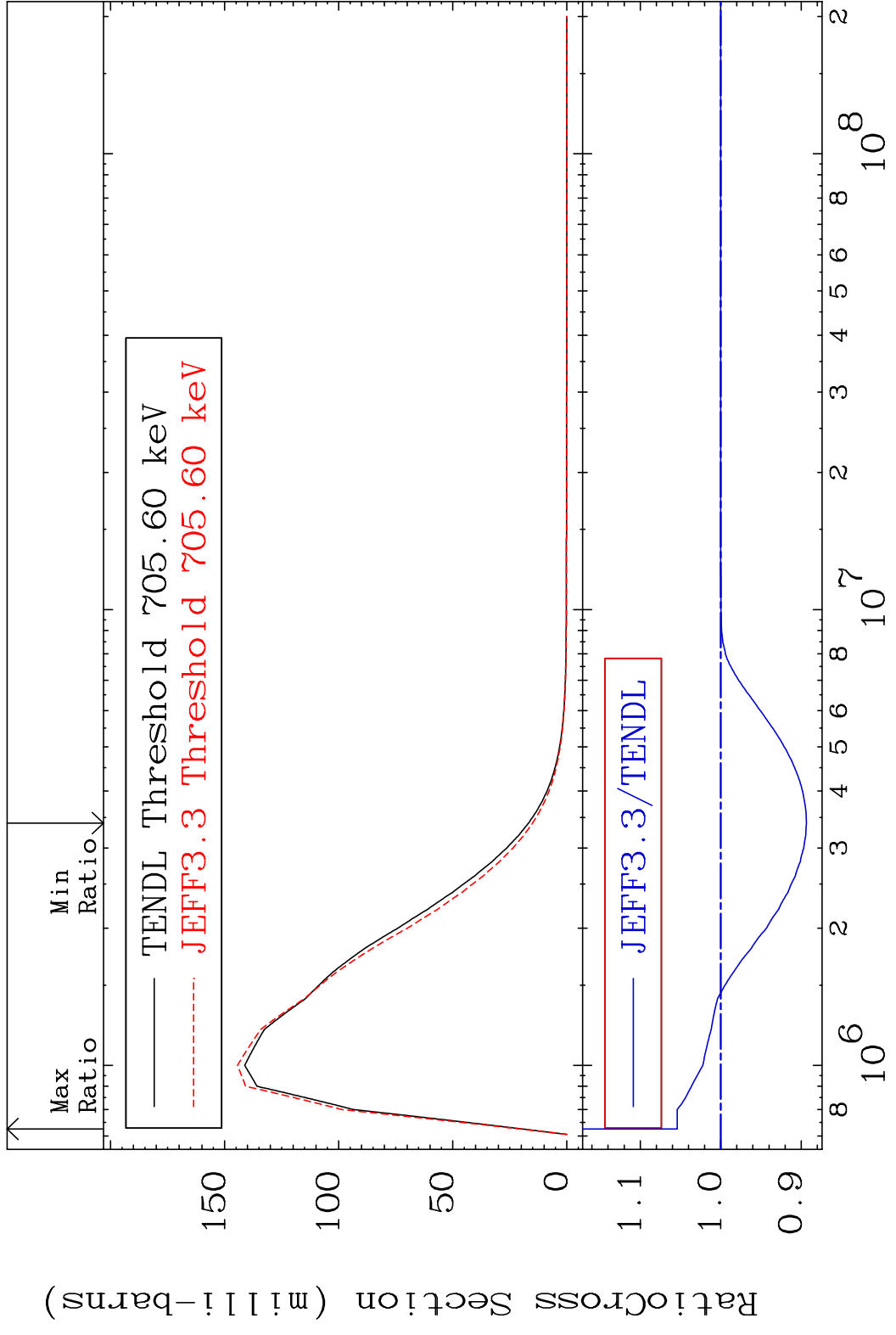
MAT 4628 MT= 57 (n, n') Level 46-Pd-103  
 Cross Section -78.90 To 0.000 %



MAT 4628 MT= 58 (n, n') Level 46-Pd-103  
 Cross Section -14.95 To 61.33 %

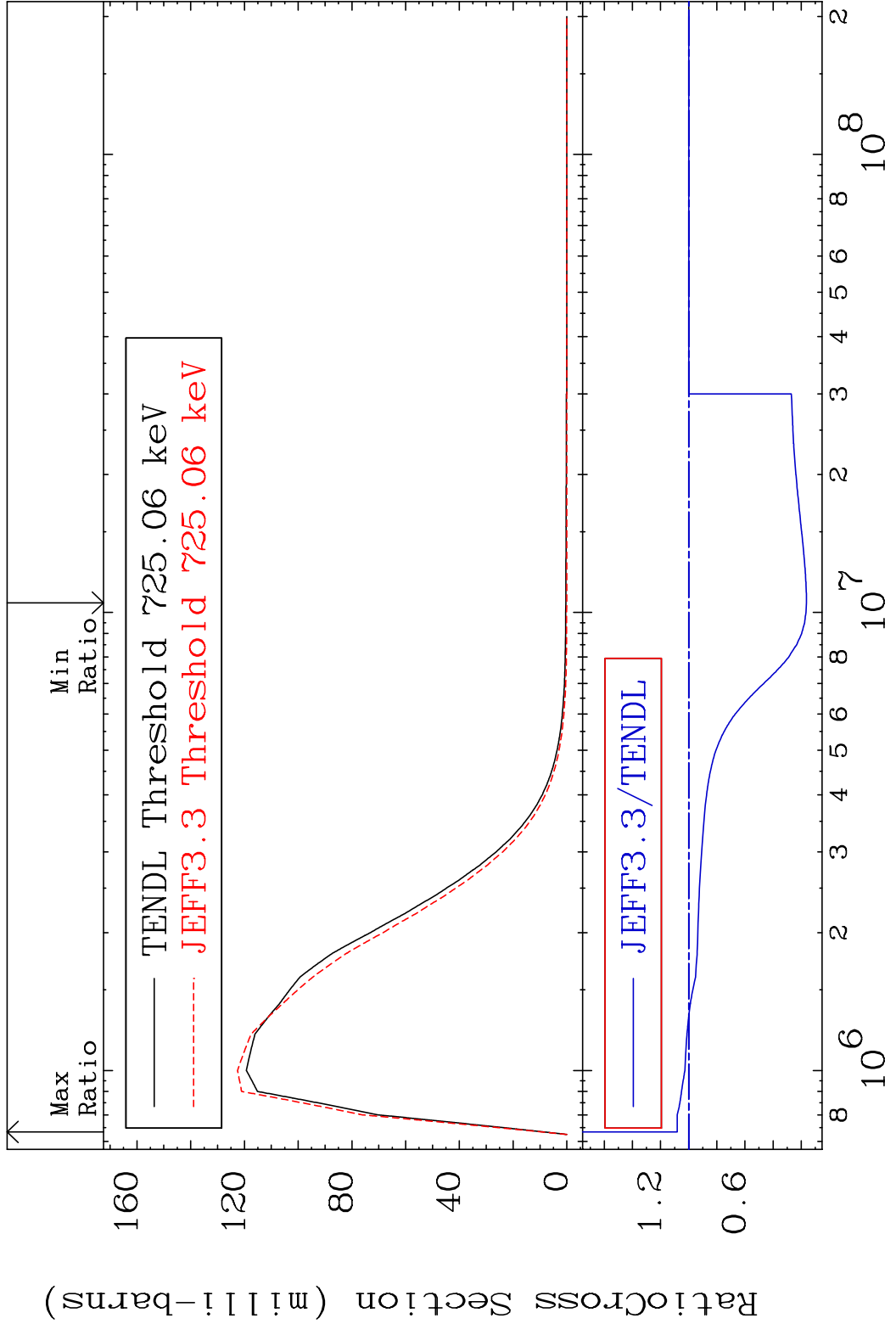


MAT 4628 MT= 59 (n,n') Level 46-Pd-103  
 Cross Section -10.65 To 5.411 %



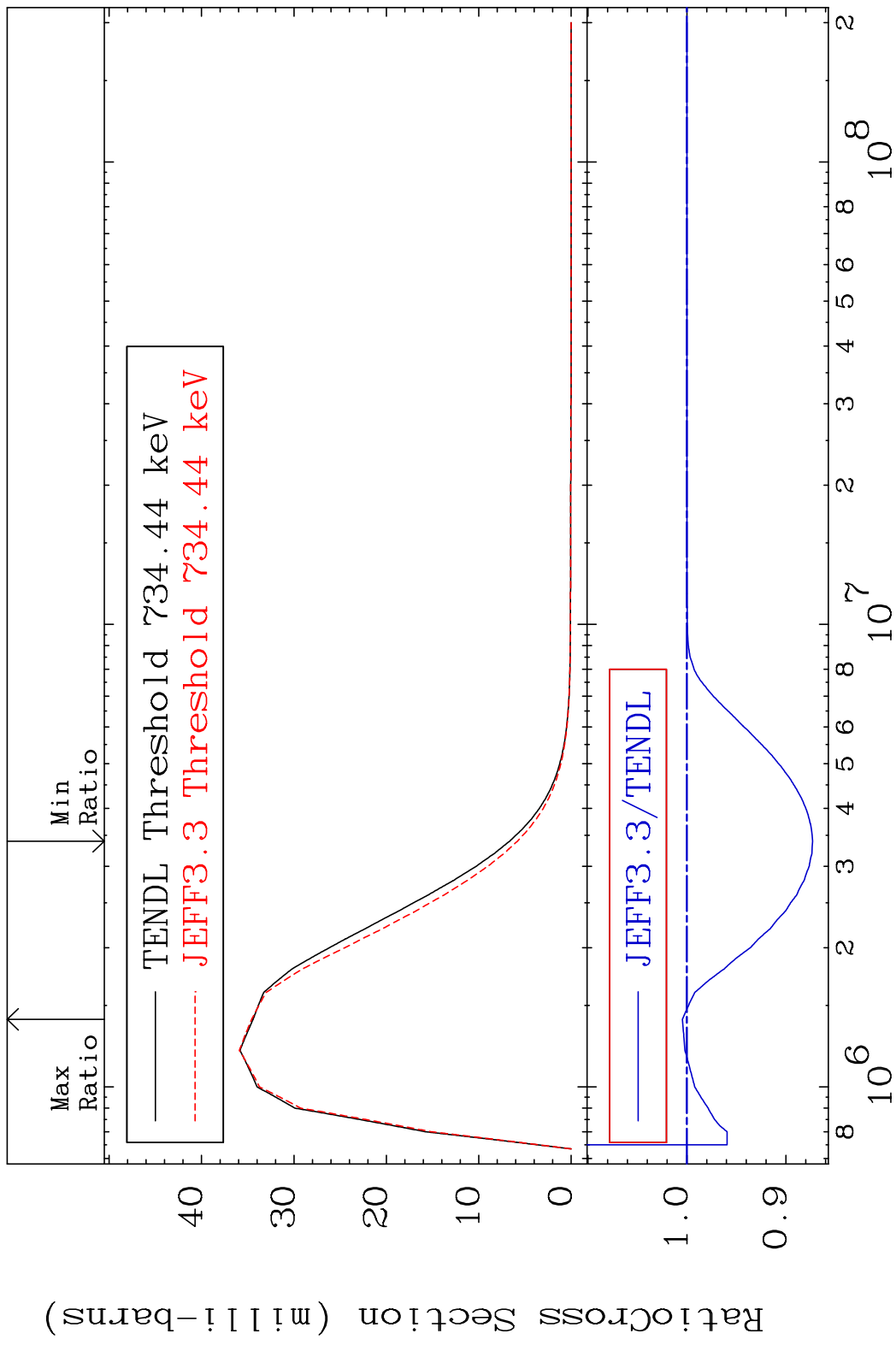
29 46-Pd-103

MAT 4628 MT= 60 (n, n') Level 46-Pd-103  
 Cross Section -83.70 To 8.193 %



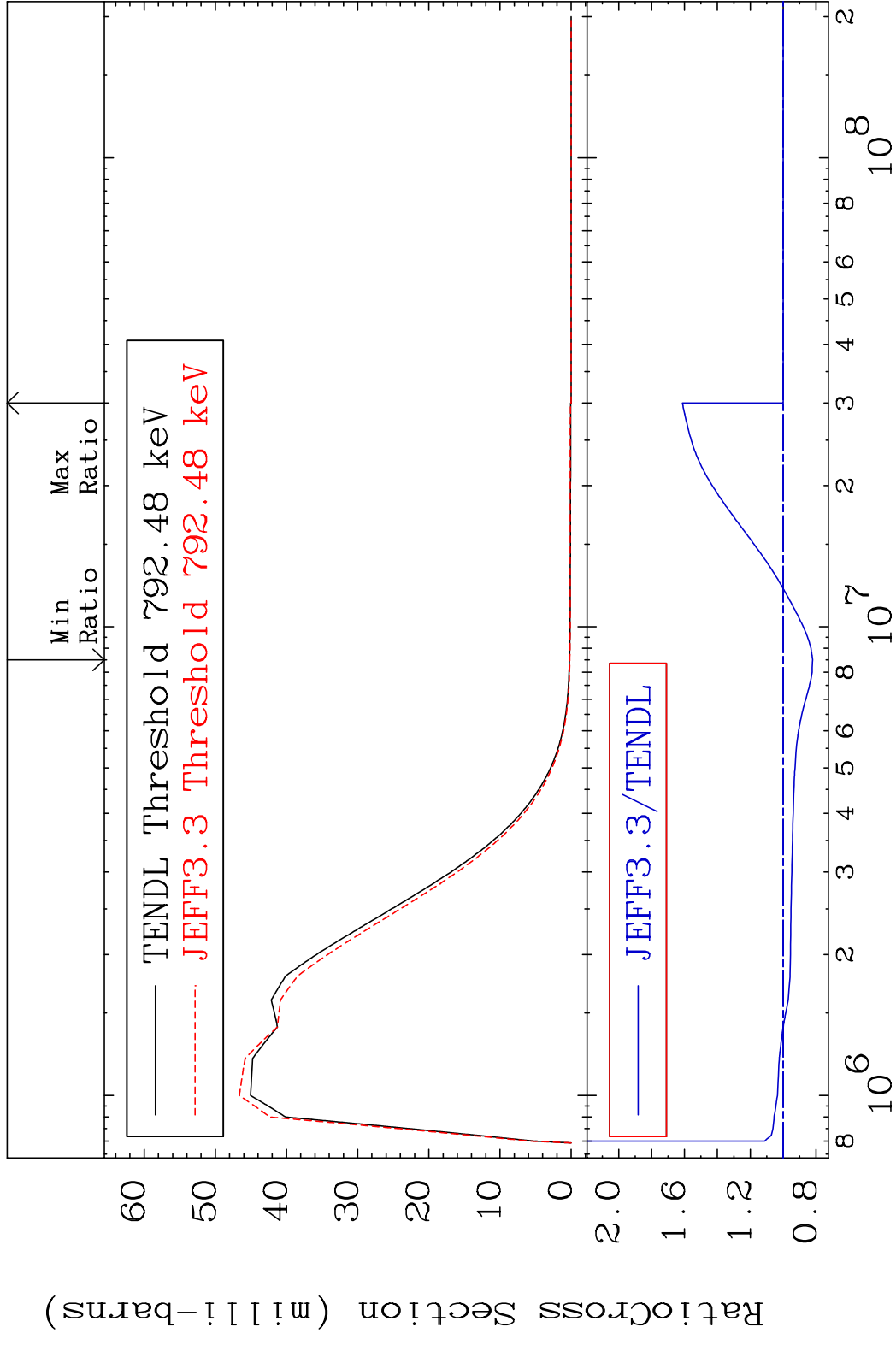
30 Incident Energy (eV) 46-Pd-103

MAT 4628 MT= 61 (n, n') Level 46-Pd-103  
 Cross Section -12.69 To 0.459 %

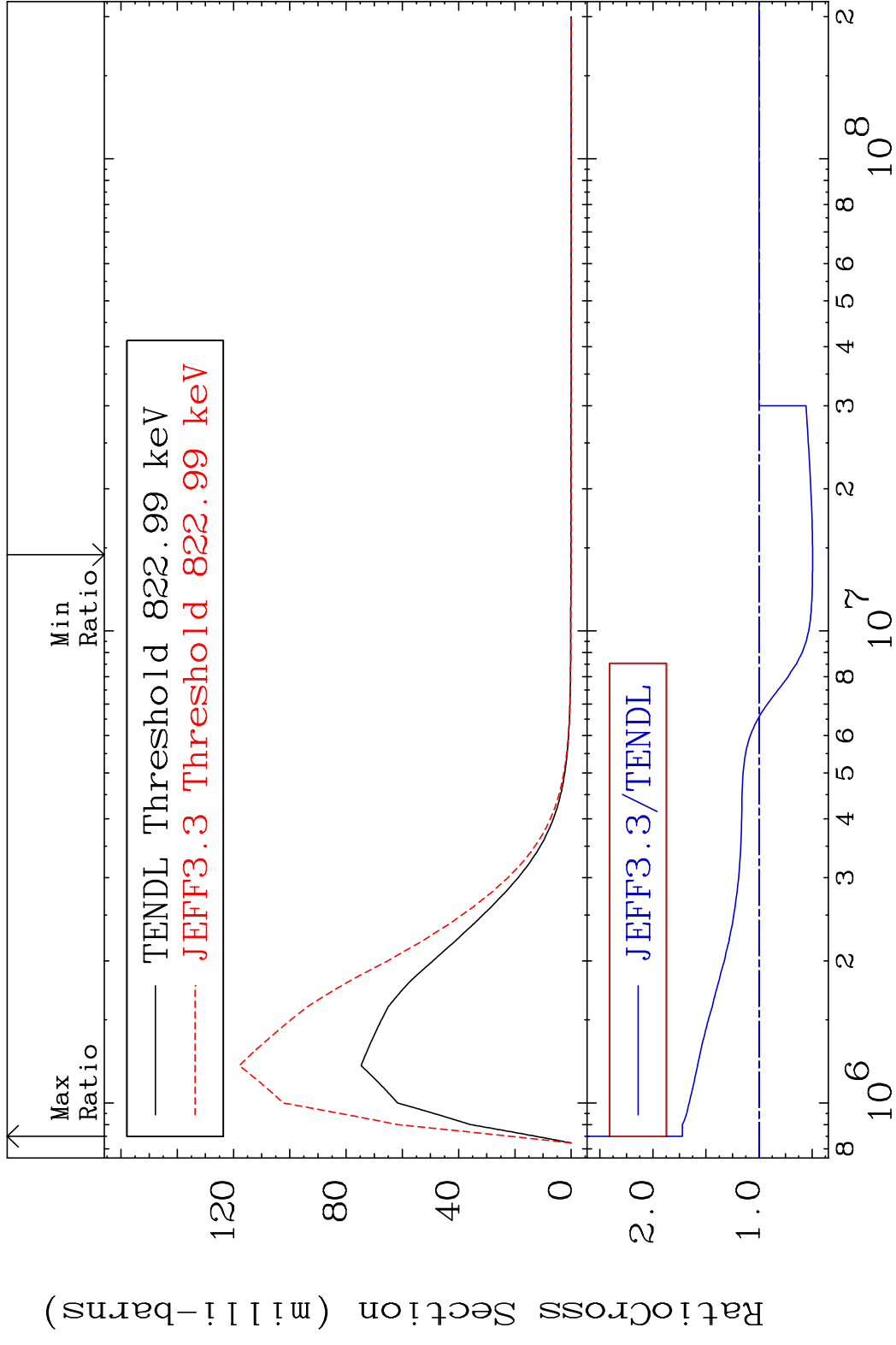




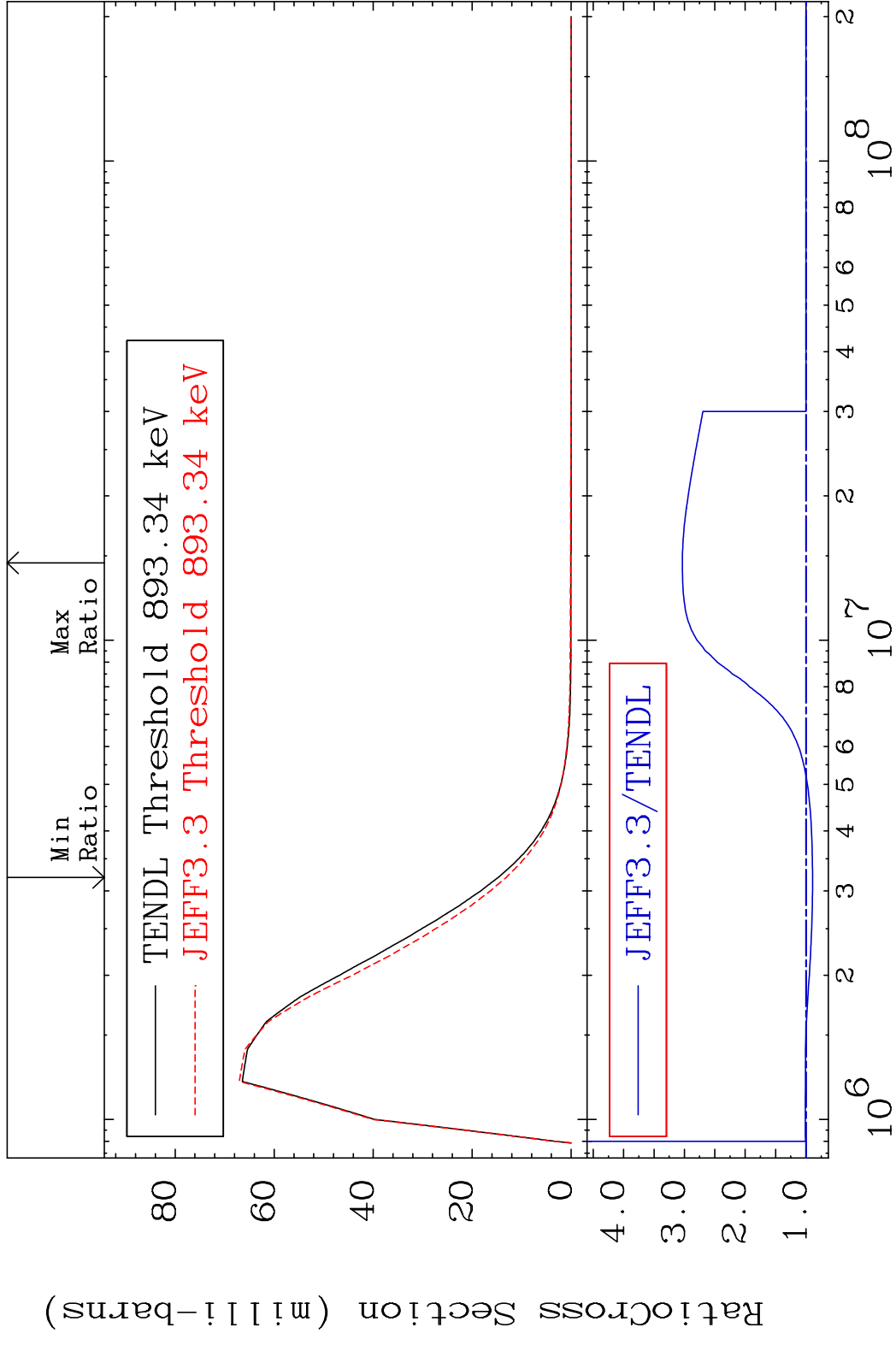
MAT 4628 MT= 62 (n, n') Level 46-Pd-103  
 Cross Section -17.88 To 61.31 %



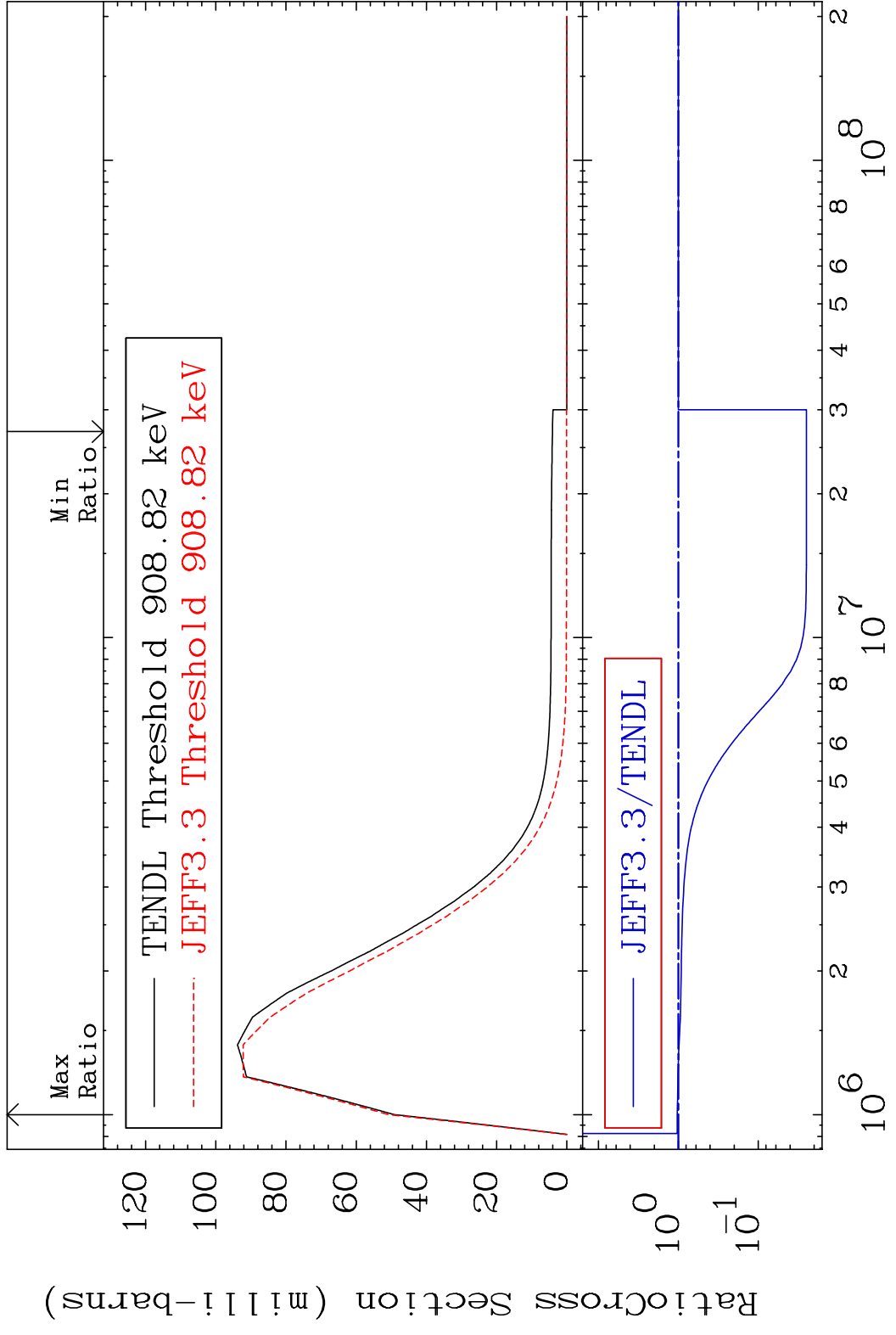
MAT 4628 MT= 63 (n, n') Level 46-Pd-103  
 Cross Section -50.48 To 72.27 %



MAT 4628 MT= 64 (n, n') Level 46-Pd-103  
 Cross Section -10.83 To 203.4 %

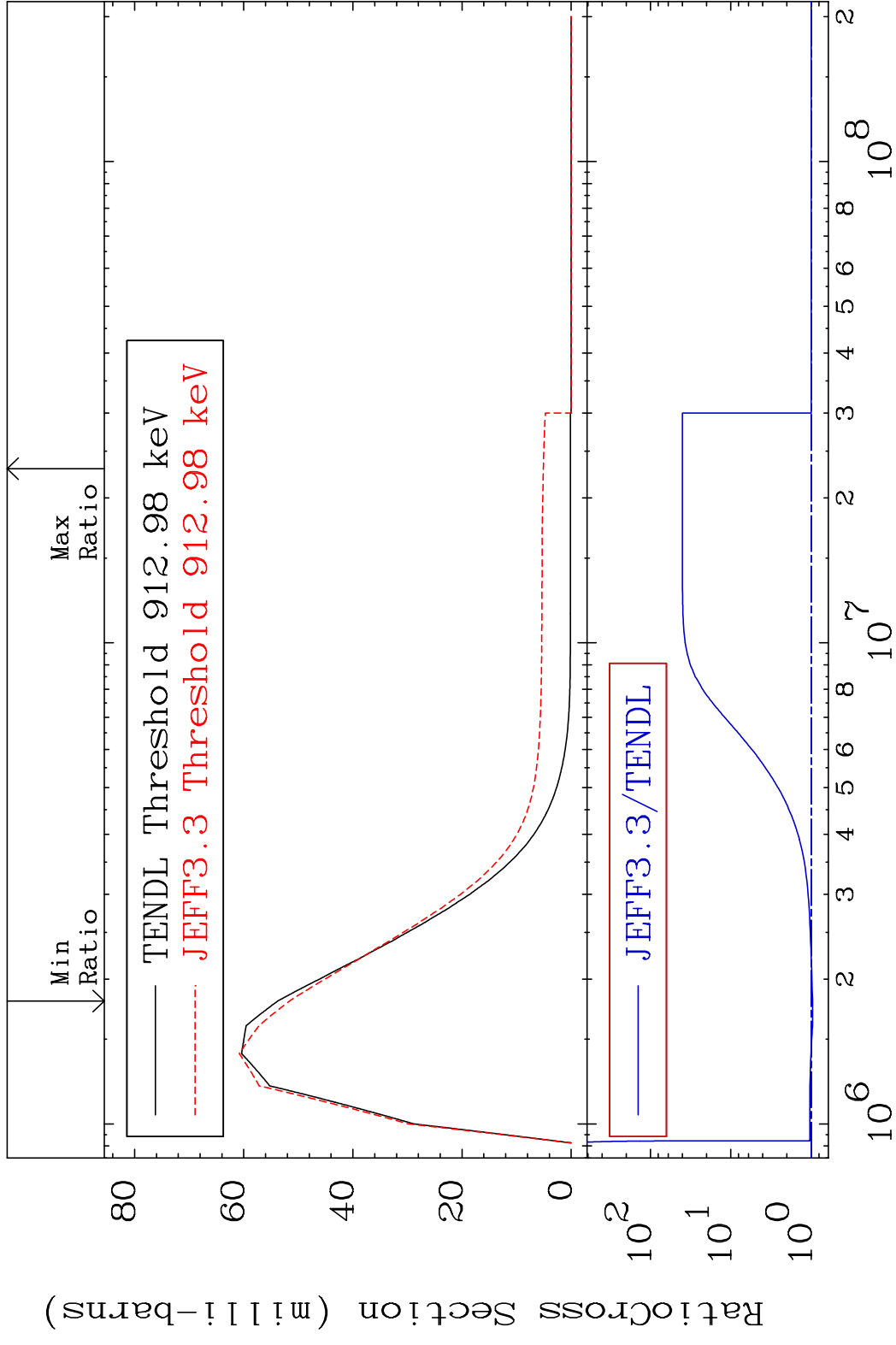


MAT 4628 MT= 65 (n,n') Level 46-Pd-103  
 Cross Section -97.50 To 3.401 %

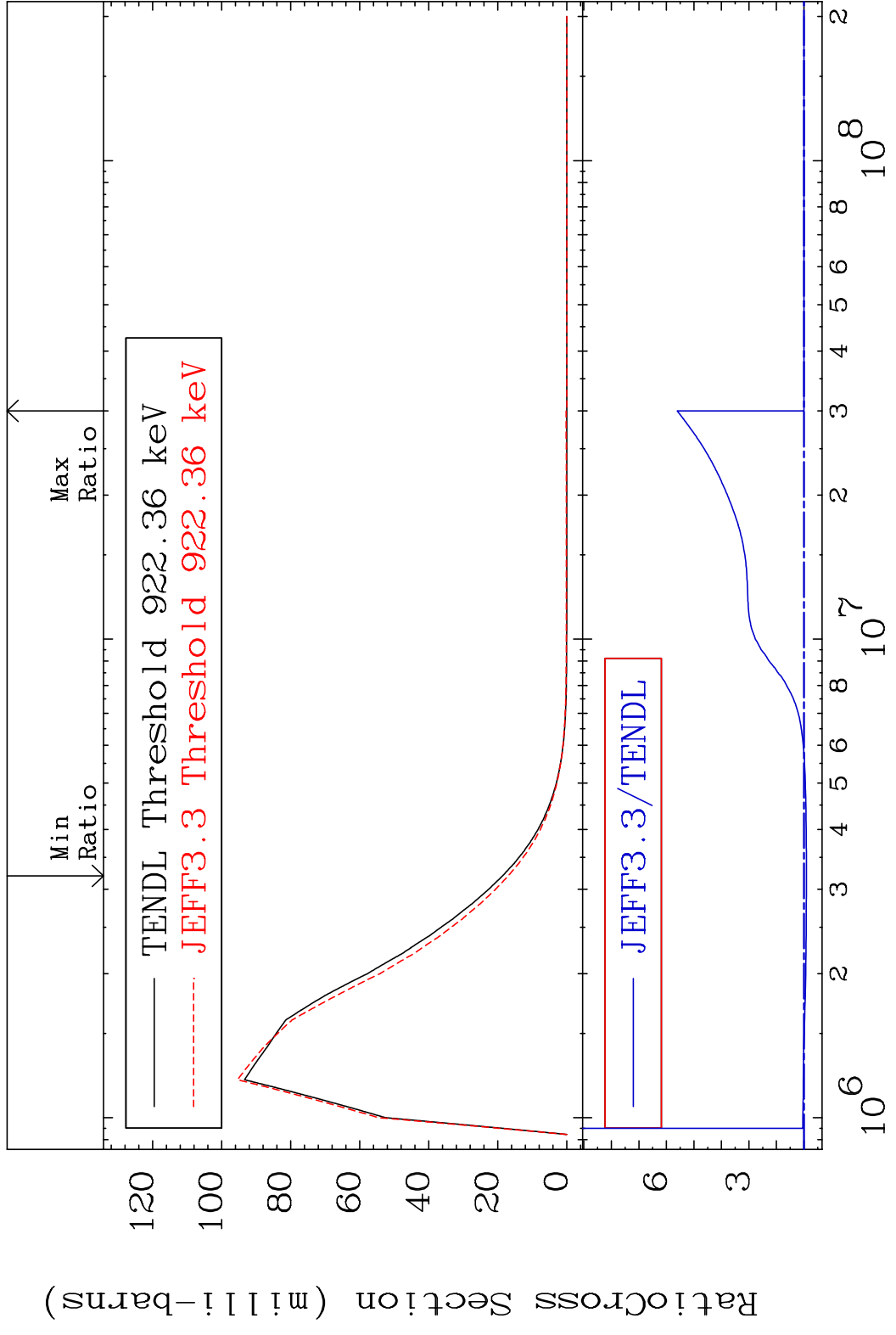


35 Incident Energy (eV) 46-Pd-103

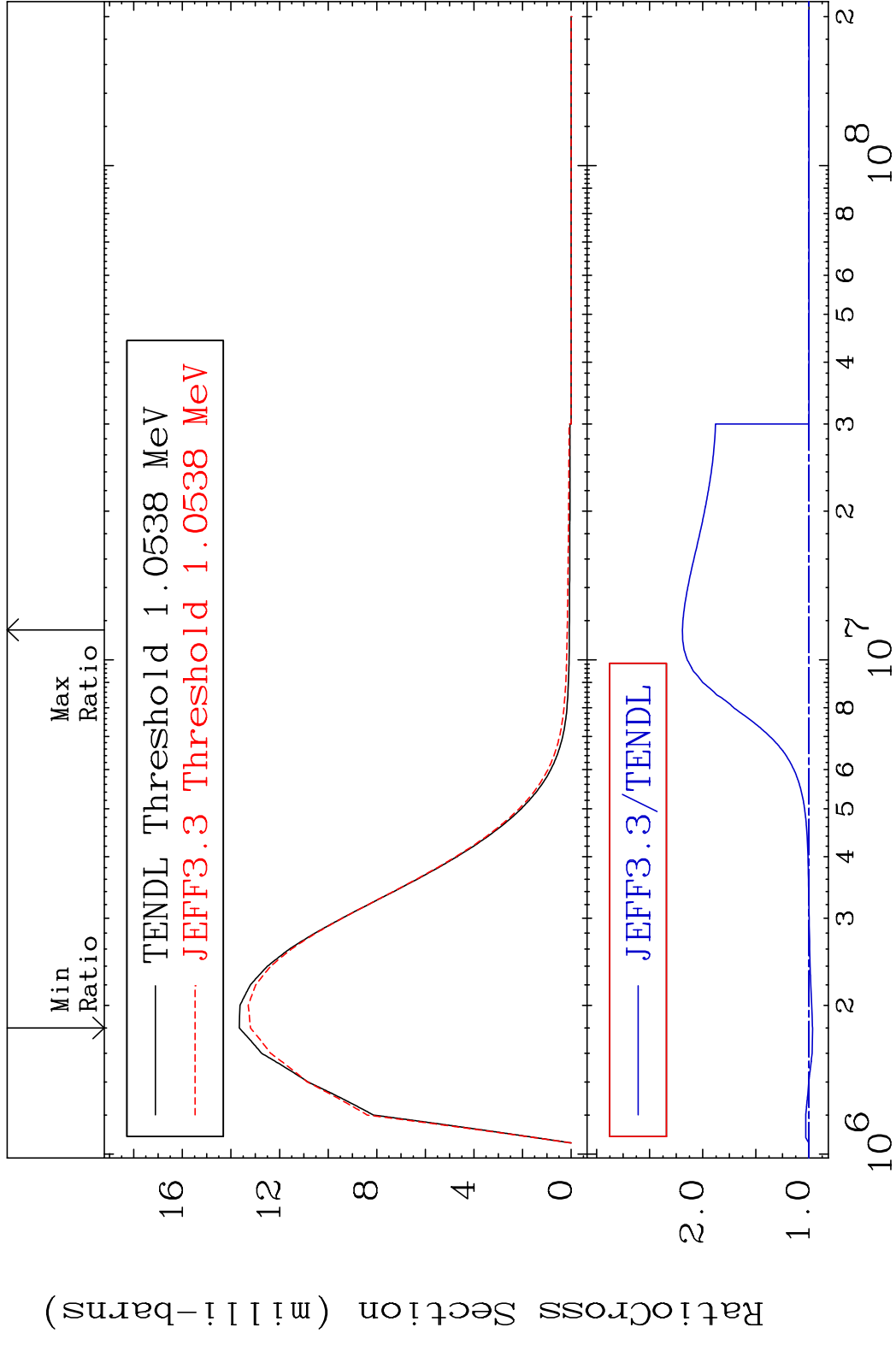
MAT 4628 MT= 66 (n, n') Level 46-Pd-103  
 Cross Section -3.990 To 3904. %



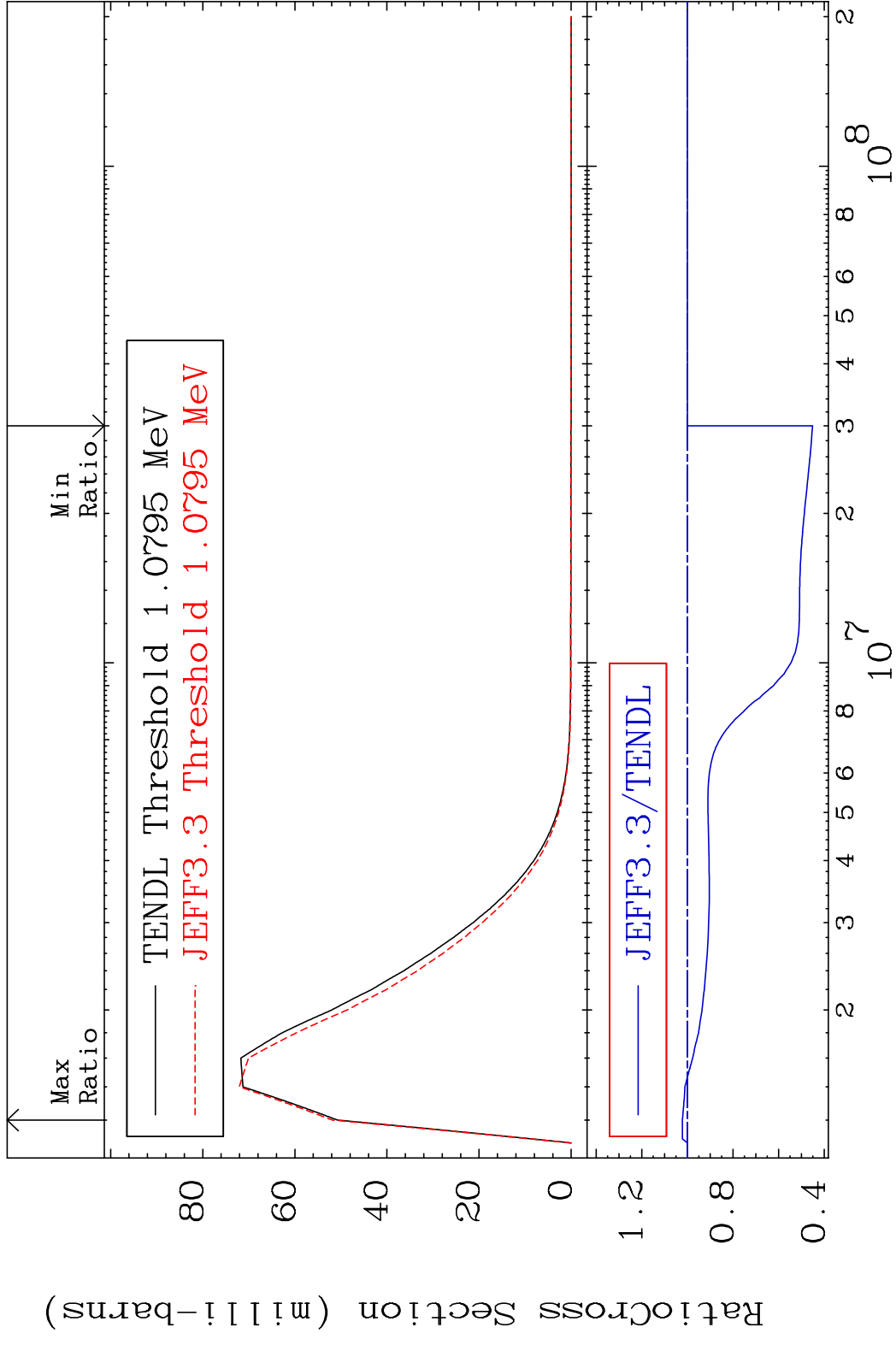
MAT 4628 MT= 67 (n, n') Level 46-Pd-103  
 Cross Section -8.880 To 460.8 %



MAT 4628 MT= 68 (n,n') Level 46-Pd-103  
 Cross Section -3.361 To 119.2 %

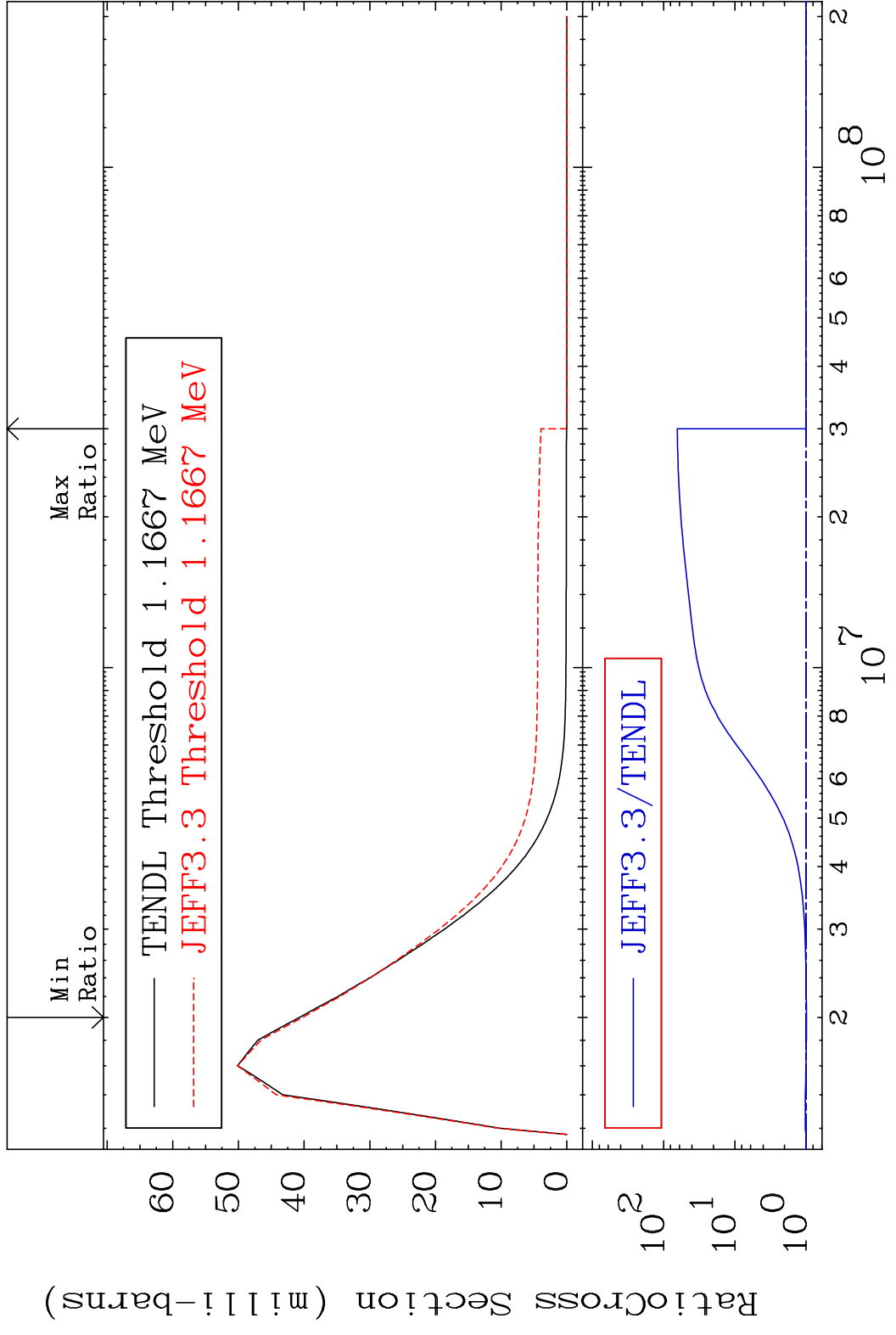


MAT 4628 MT= 69 (n, n') Level 46-Pd-103  
 Cross Section -54.85 To 2.200 %

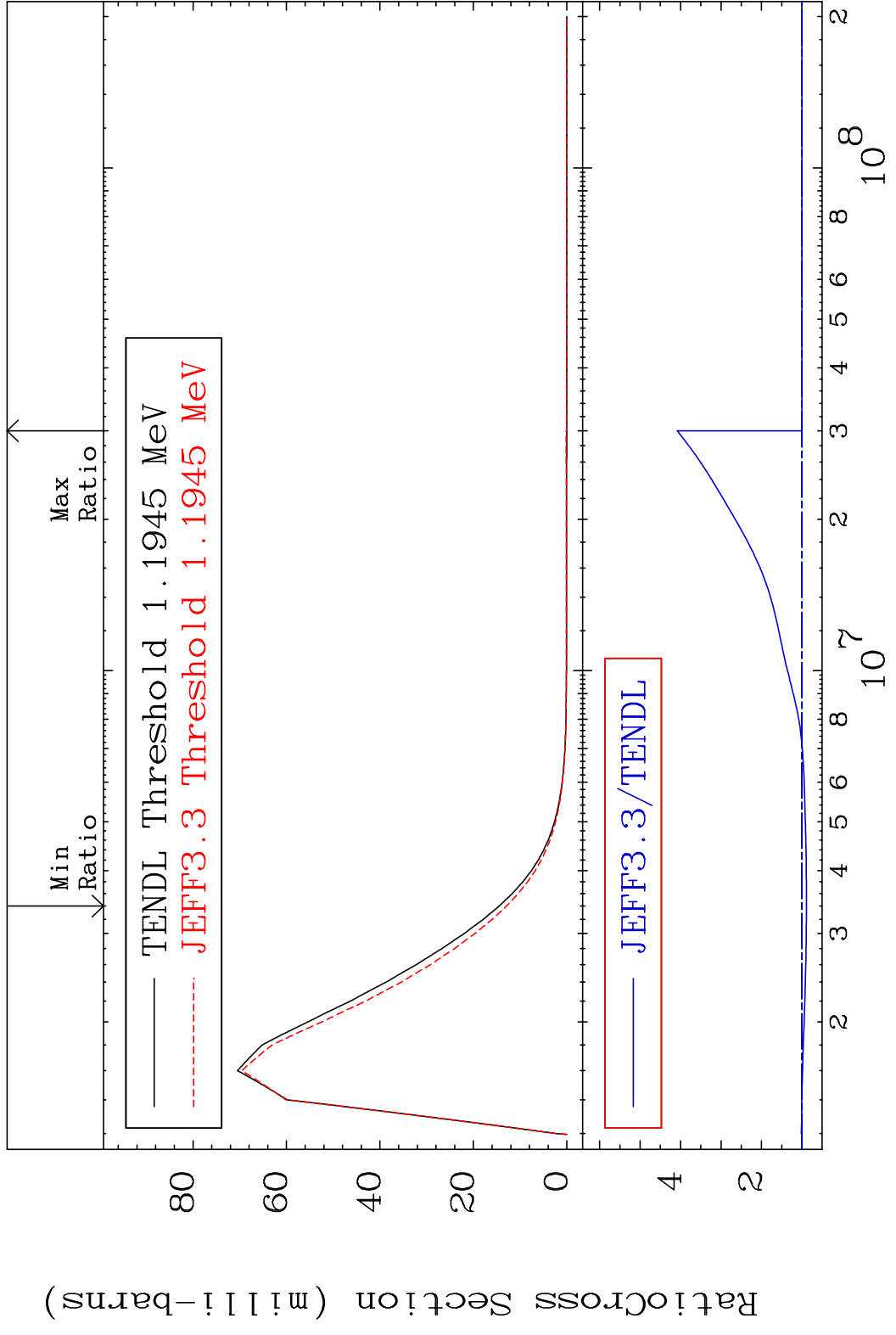




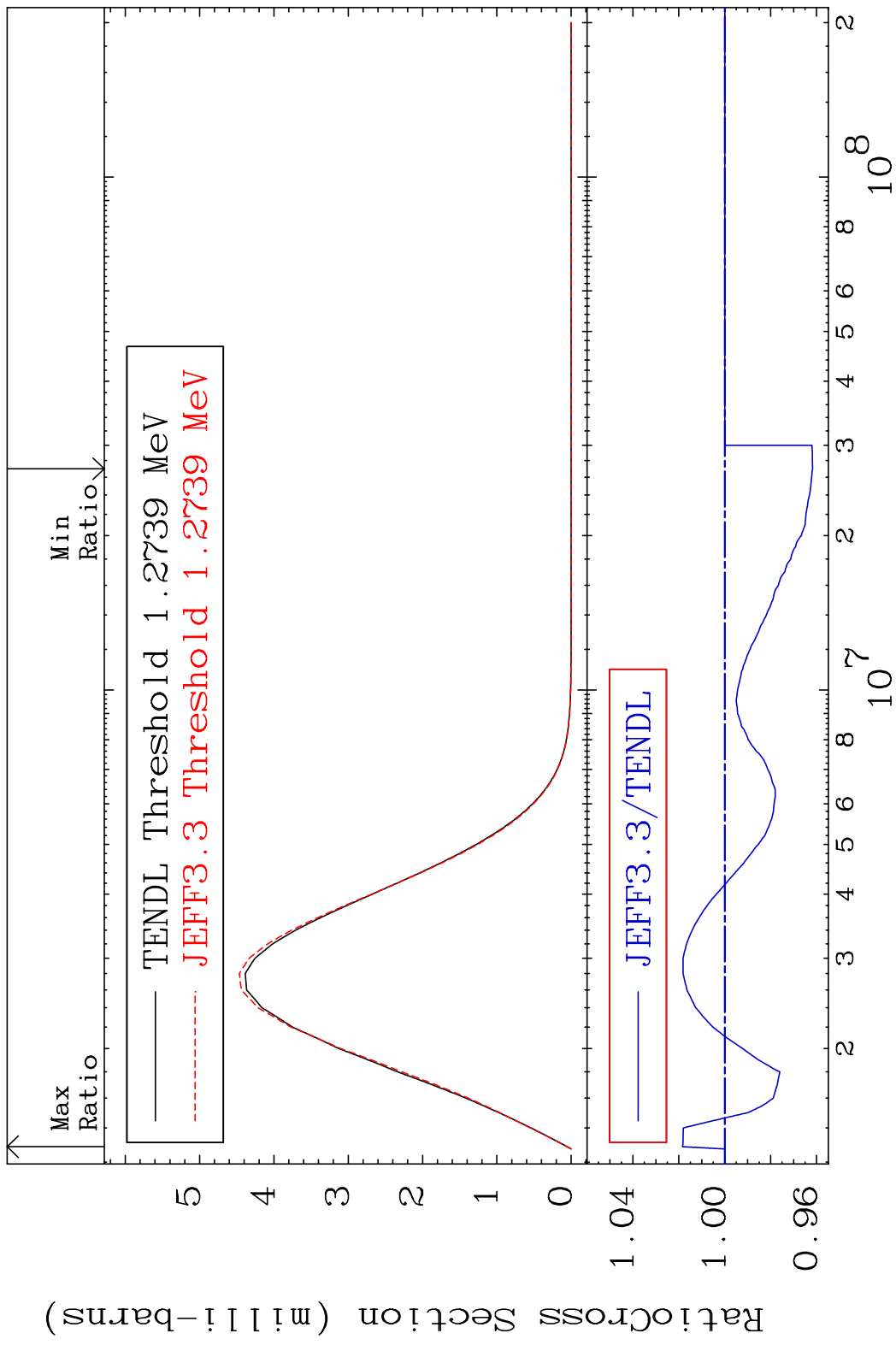
MAT 4628 MT= 70 (n, n') Level 46-Pd-103  
 Cross Section -1.161 To 6350. %



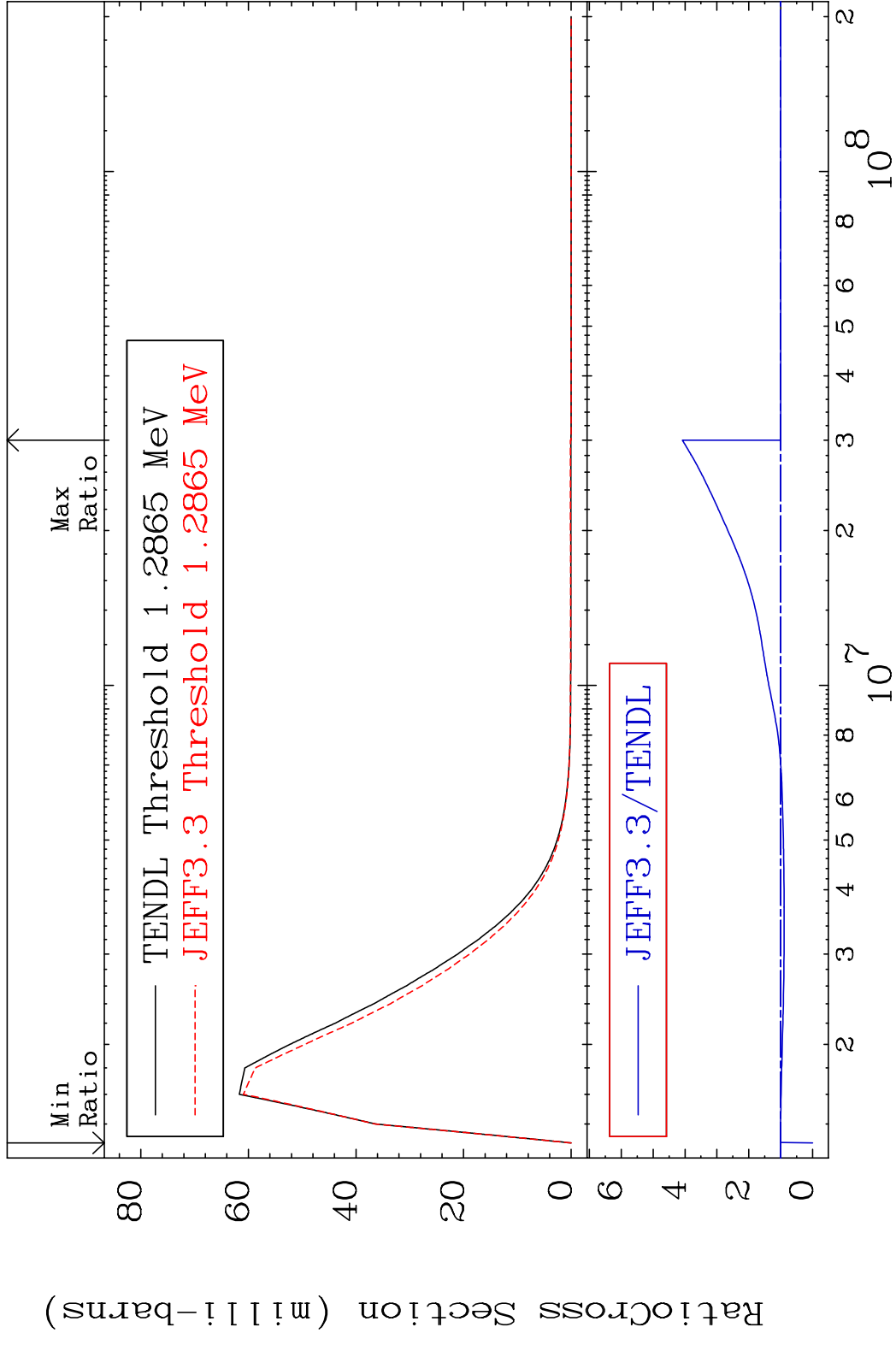
MAT 4628 MT= 71 (n, n') Level 46-Pd-103  
 Cross Section -10.94 To 308.3 %



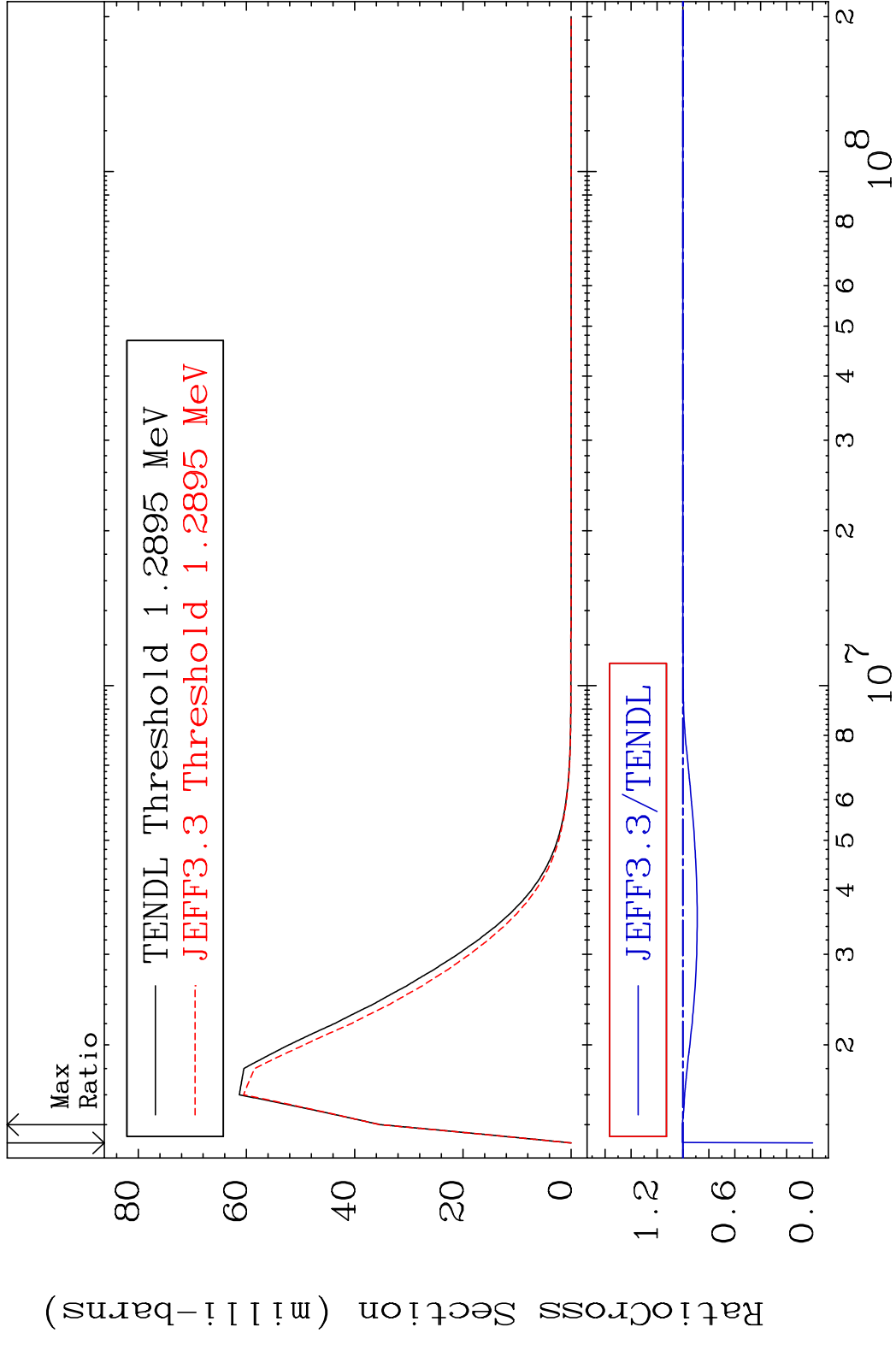
MAT 4628 MT= 72 (n, n') Level 46-Pd-103  
 Cross Section -3.826 To 1.846 %



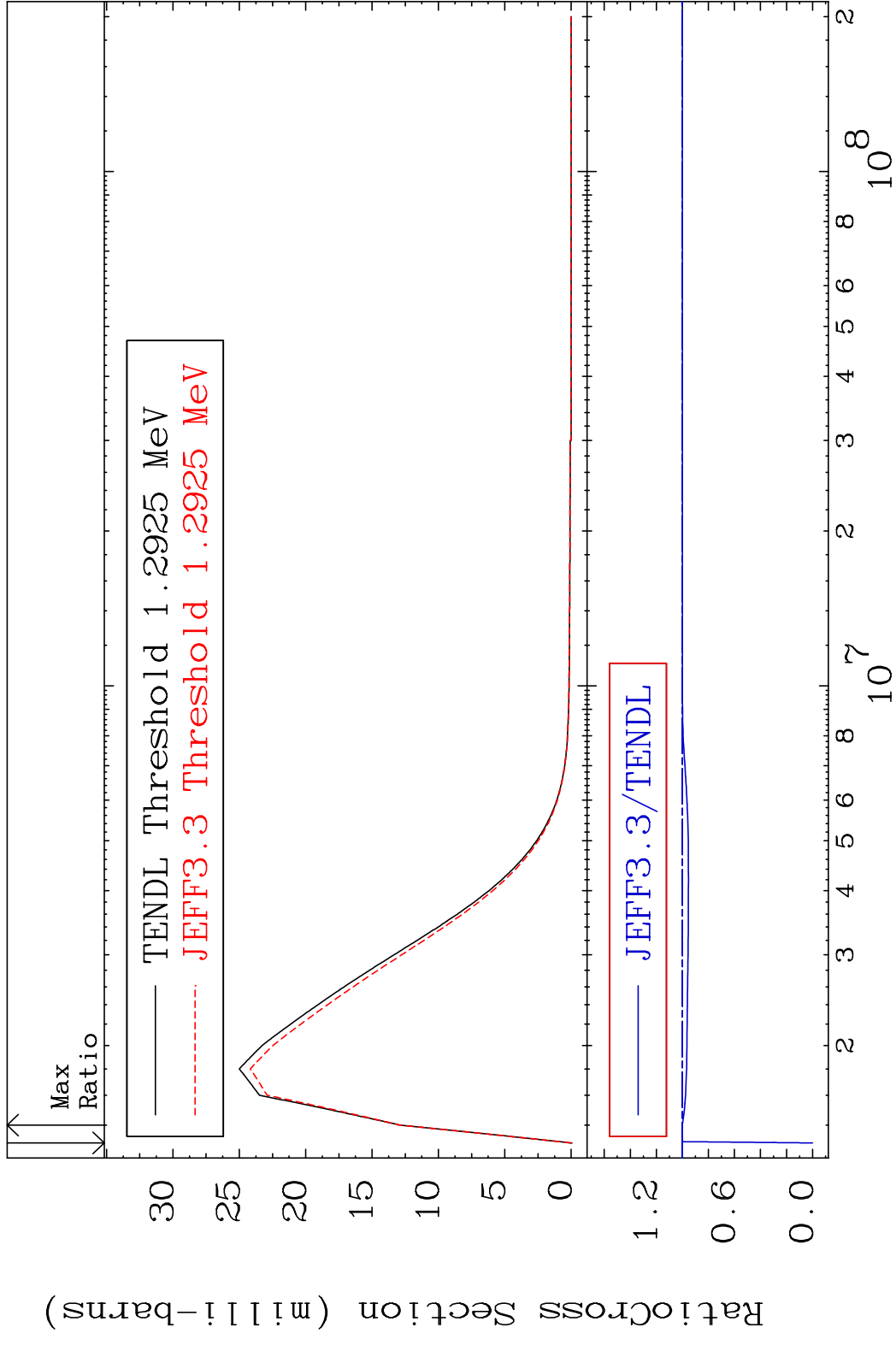
MAT 4628 MT= 73 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 308.3 %



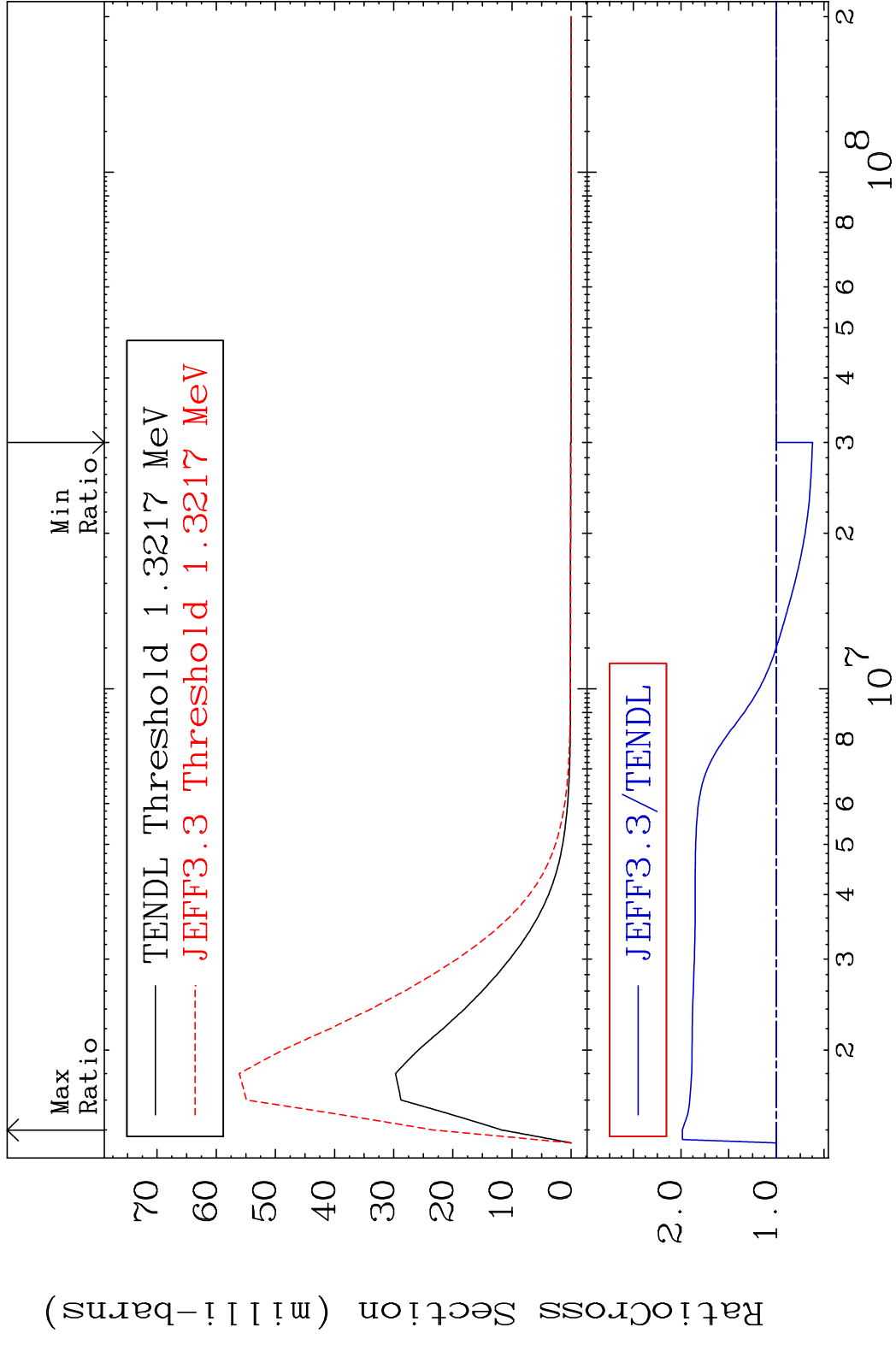
MAT 4628 MT= 74 (n,n') Level 46-Pd-103  
 Cross Section -100.0 To 0.431 %



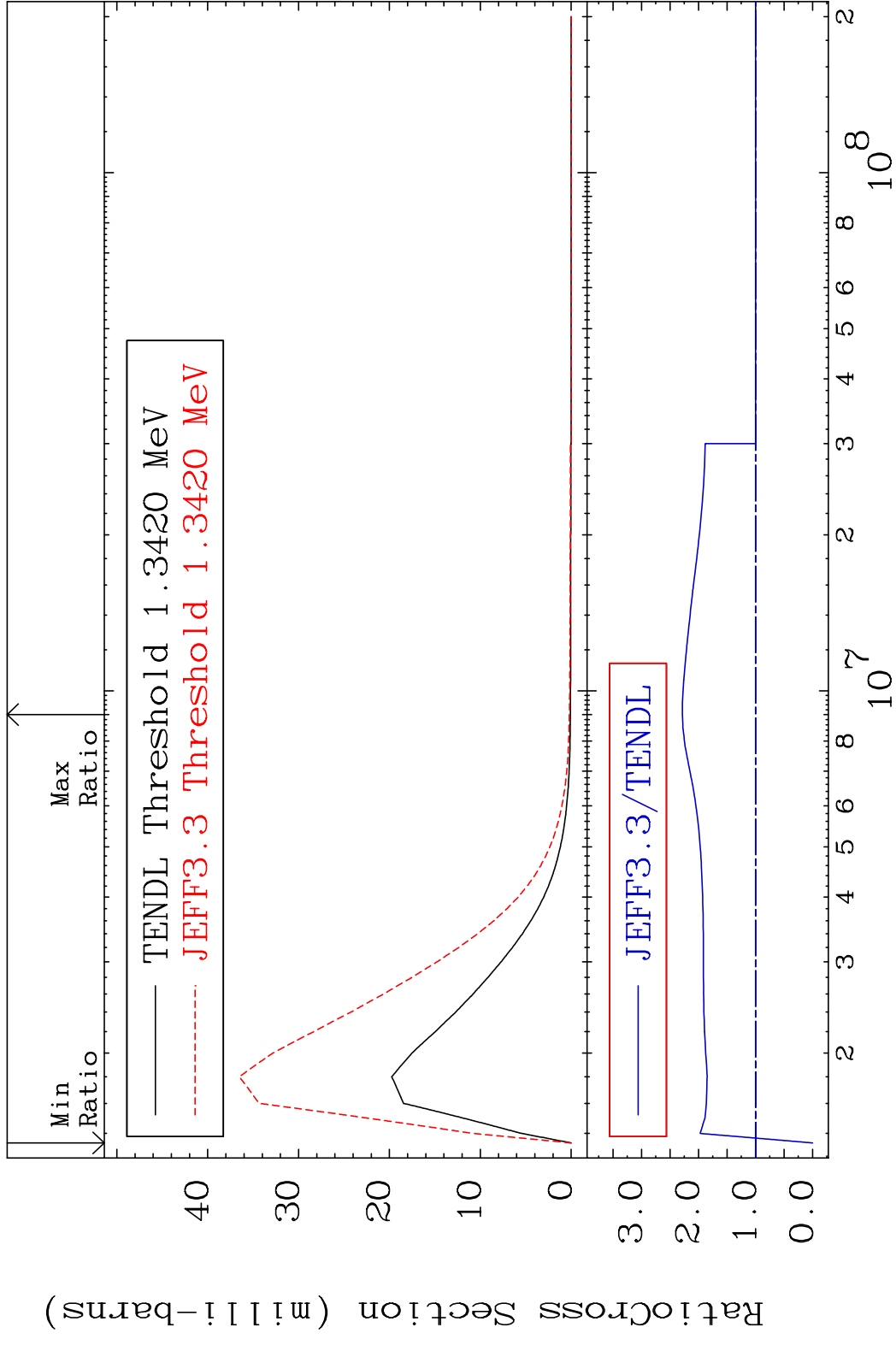
MAT 4628 MT= 75 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 0.014 %



MAT 4628 MT= 76 (n,n') Level 46-Pd-103  
 Cross Section -37.90 To 98.64 %

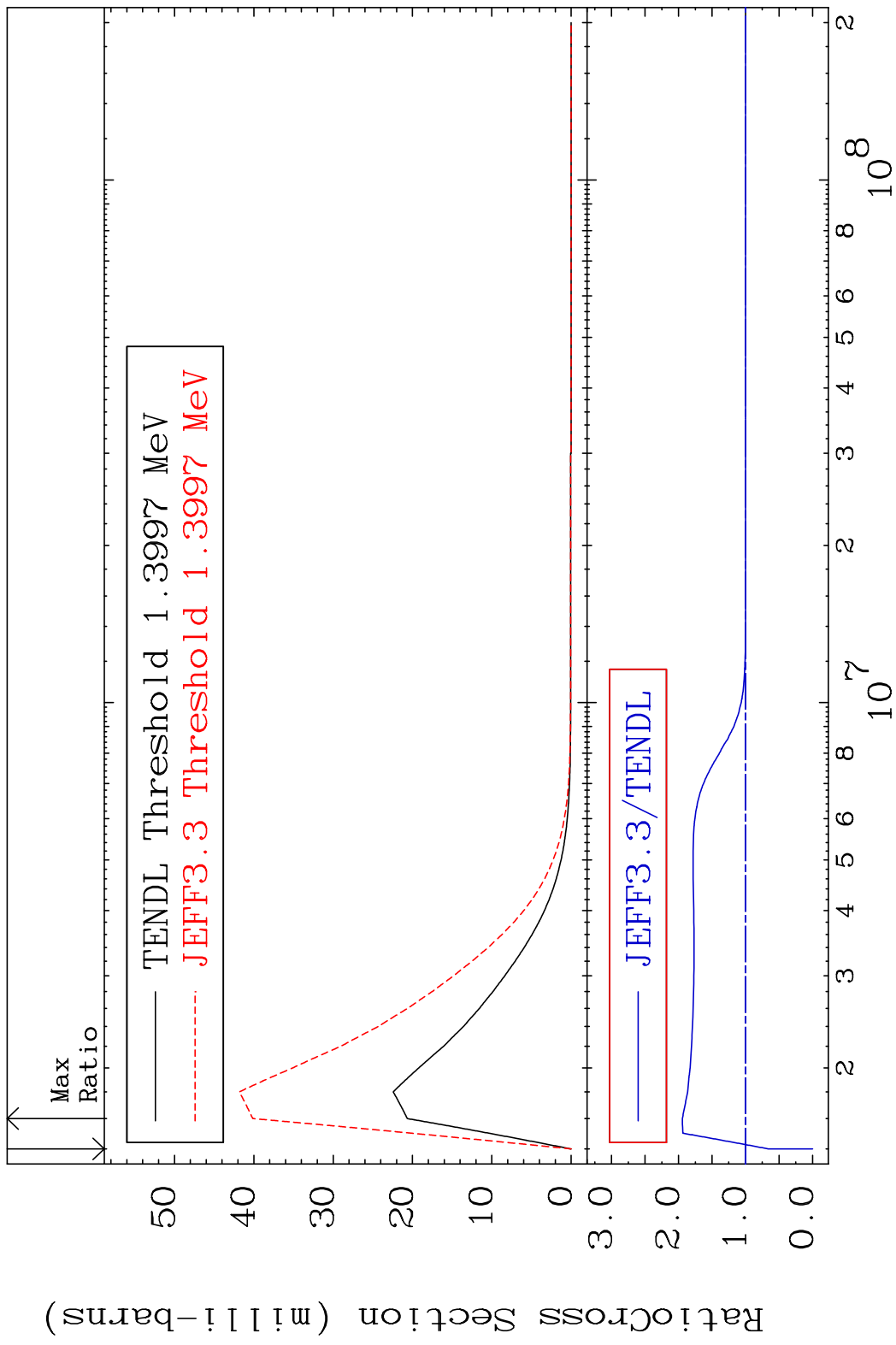


MAT 4628 MT= 77 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 128.4 %

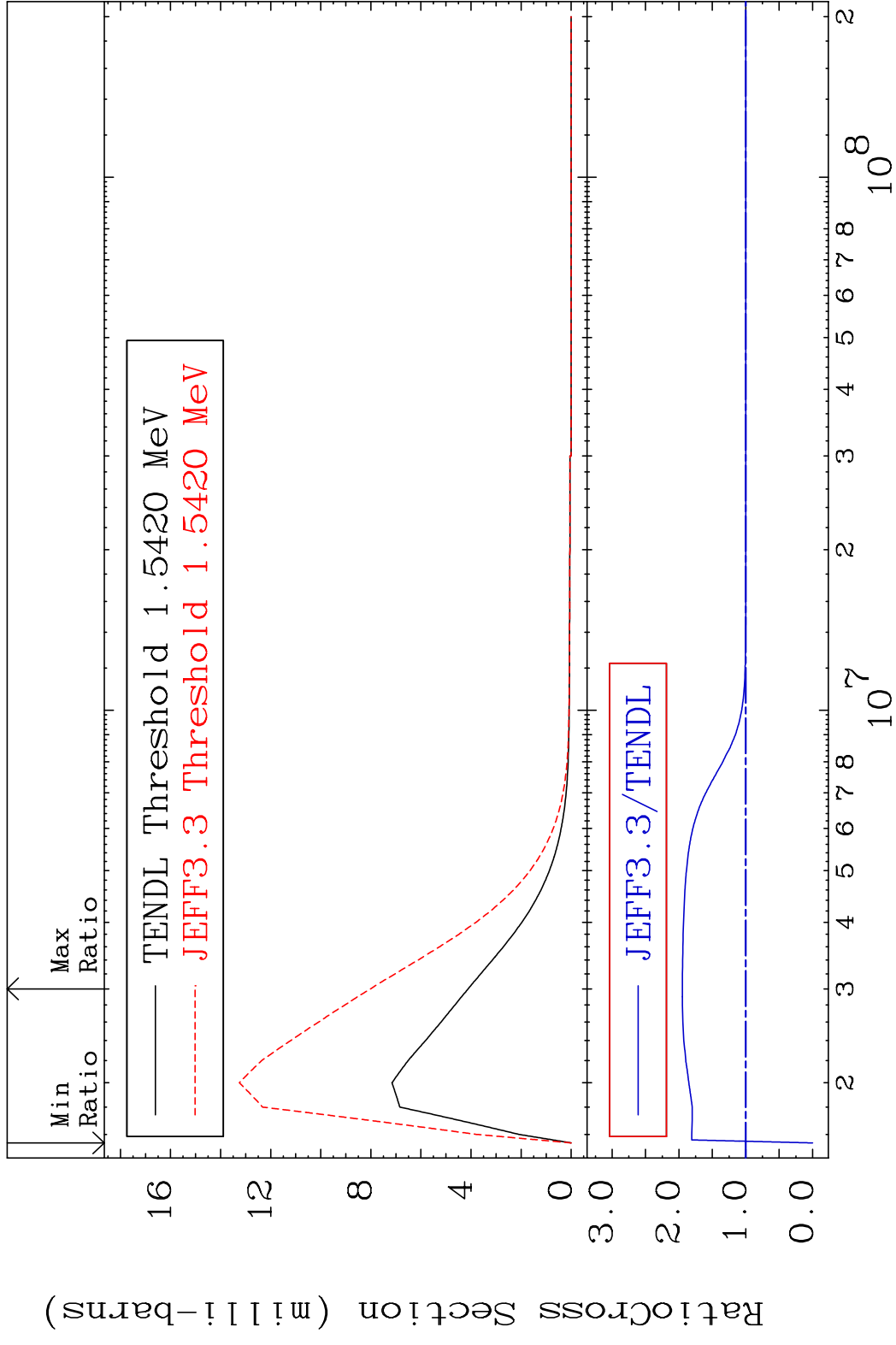




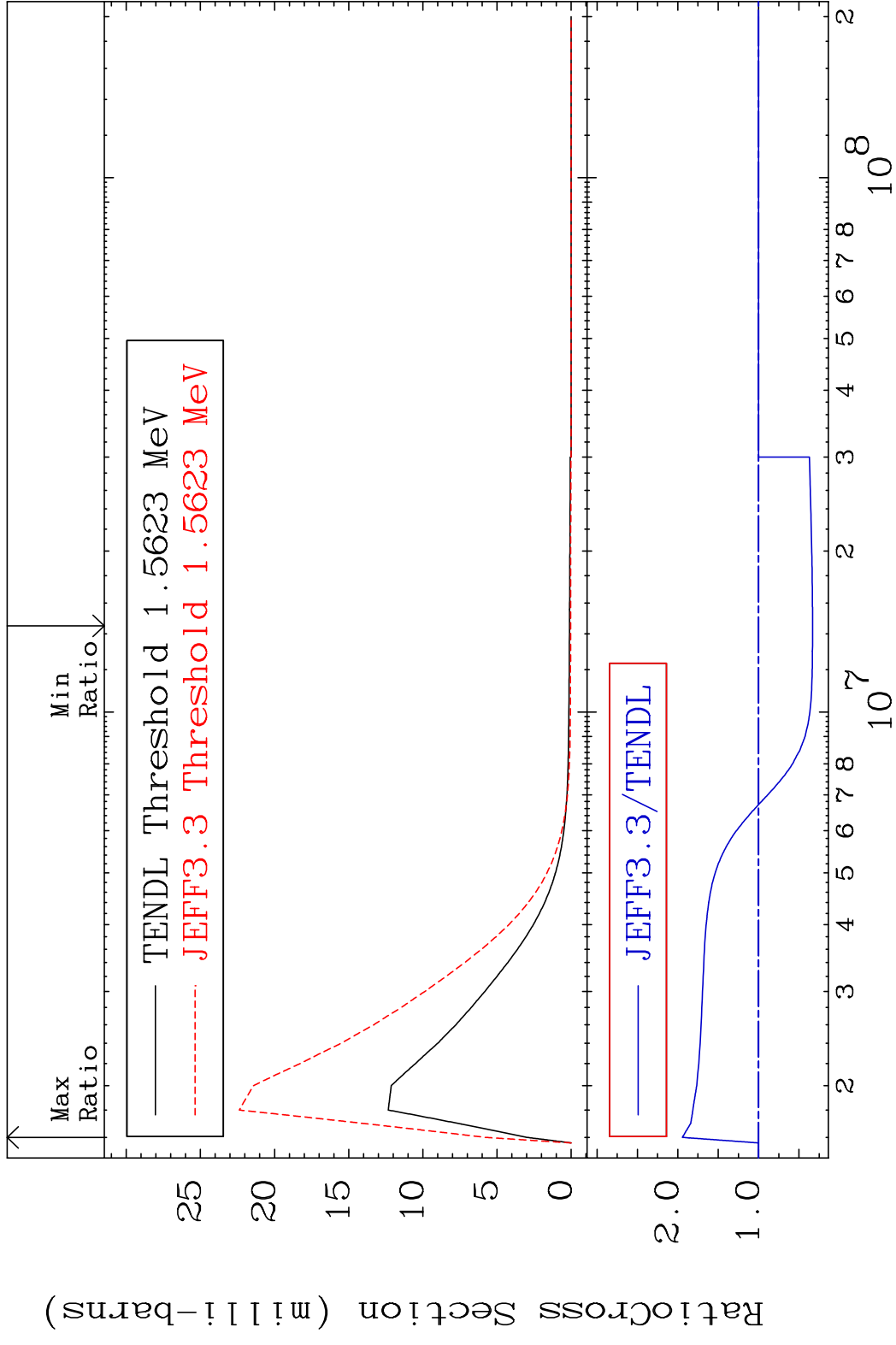
MAT 4628 MT= 78 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 94.30 %



MAT 4628 MT= 79 (n,n') Level 46-Pd-103  
 Cross Section -100.0 To 94.88 %

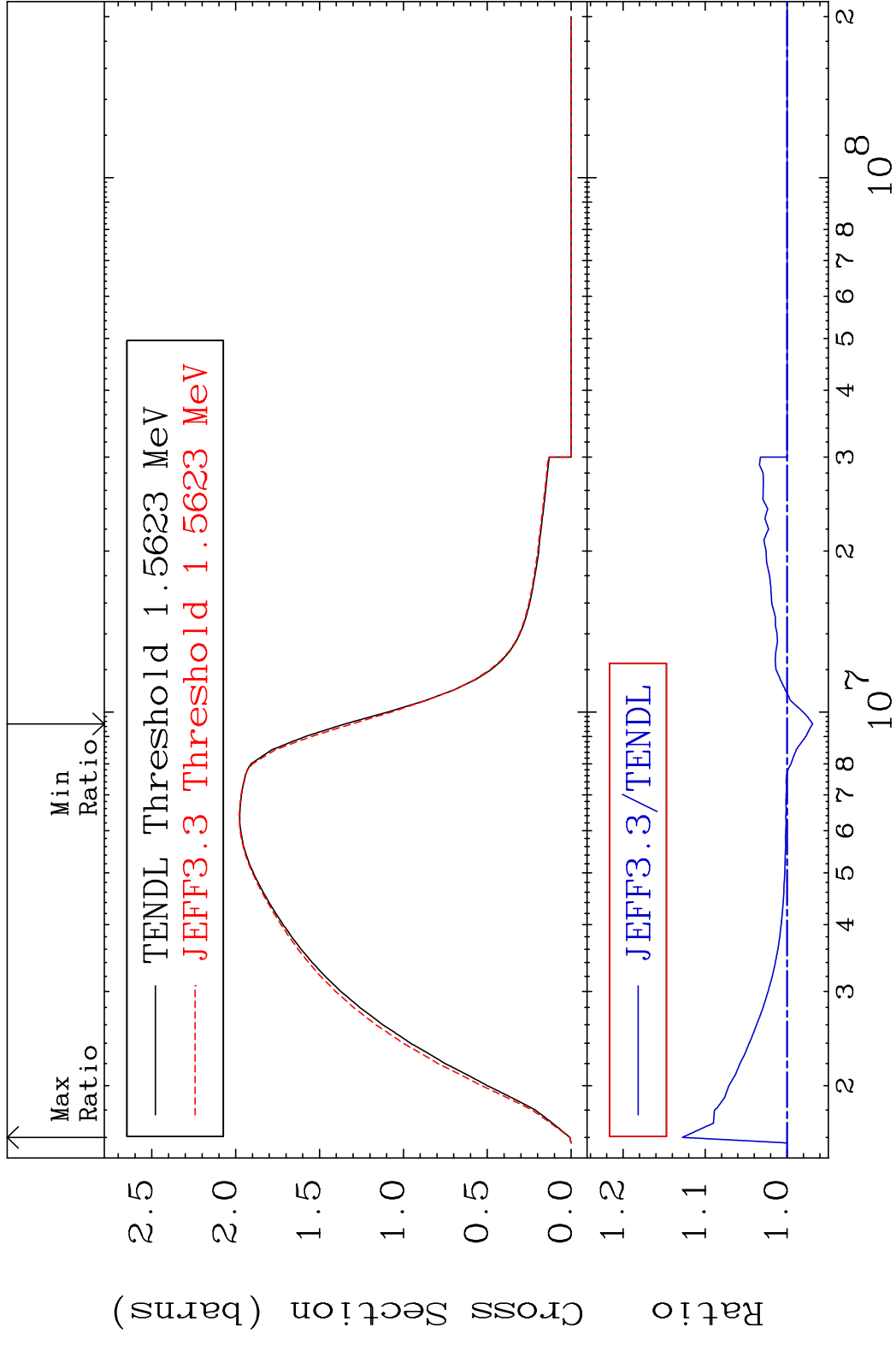


MAT 4628 MT= 80 (n,n') Level 46-Pd-103  
 Cross Section -66.83 To 94.36 %



50 Incident Energy (eV) 46-Pd-103

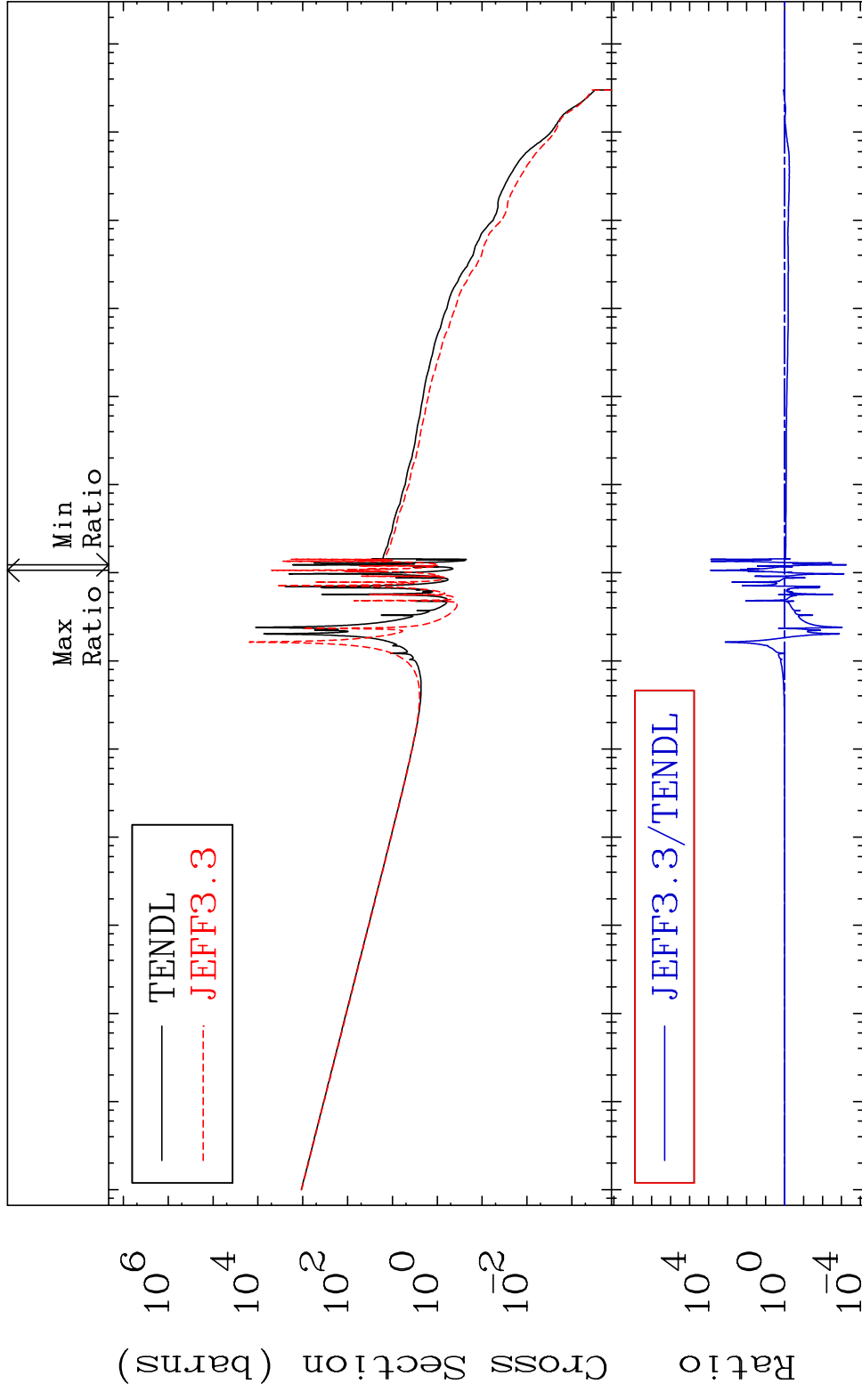
MAT 4628 (n,n') Continuum 46-Pd-103  
 Cross Section -3.107 To 12.78 %



MAT 4628

(n,  $\gamma$ )  
Cross Section -99.94 To 9999. %

46-Pd-103

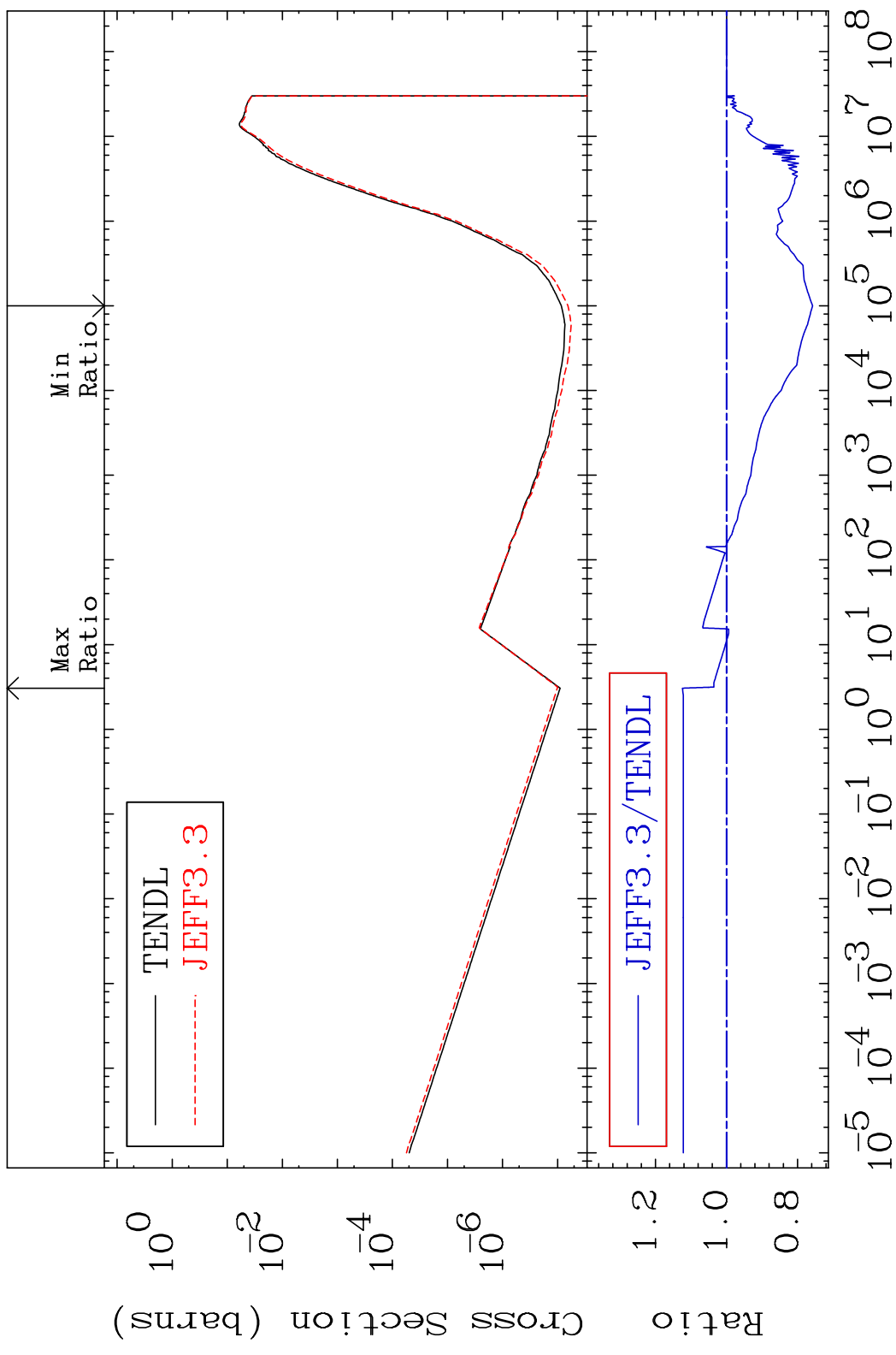


MAT 4628

(n, p)

46-Pd-103

Cross Section -24.22 To 12.44 %

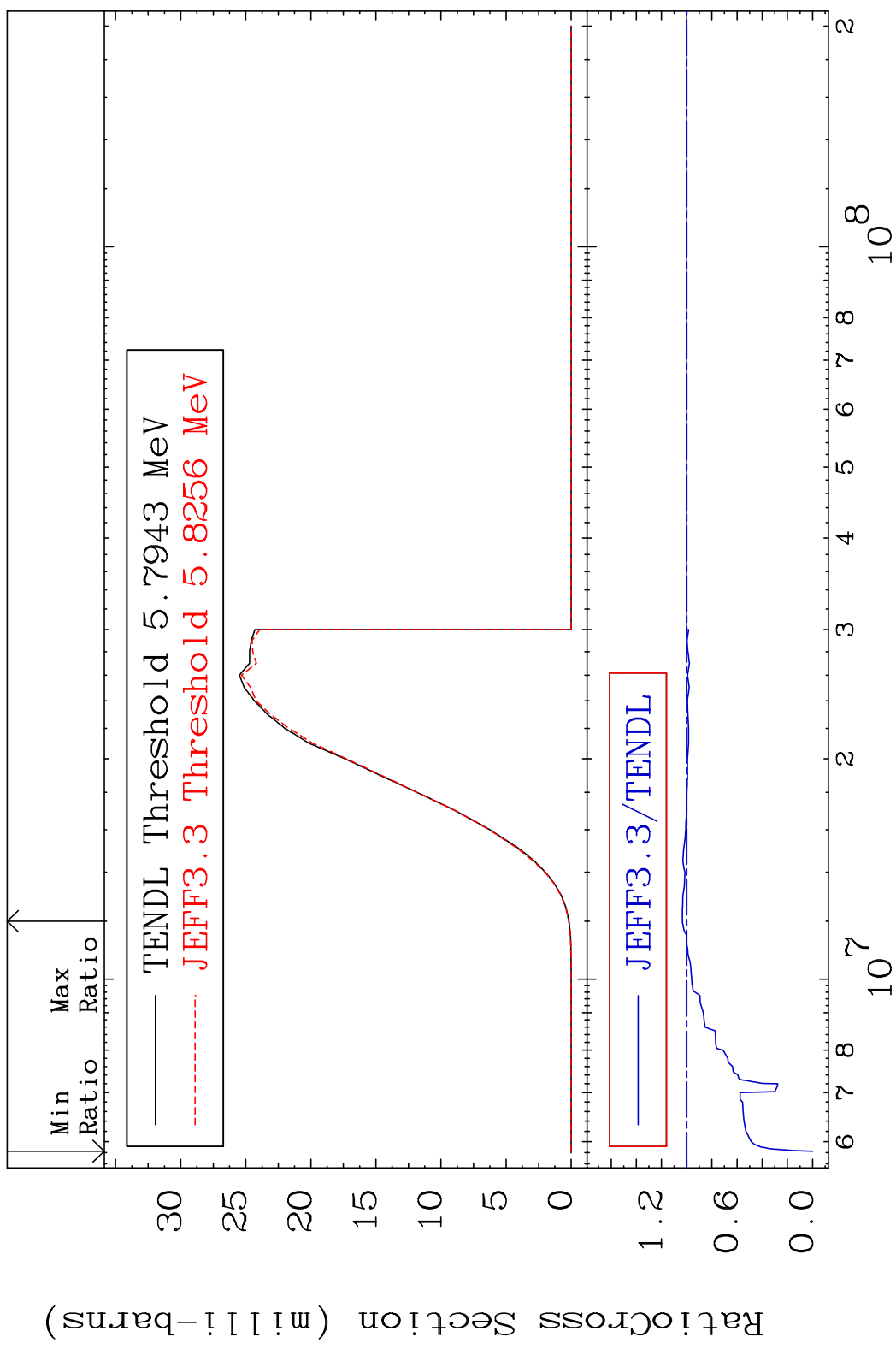


MAT 4628

(n,d)

46-Pd-103

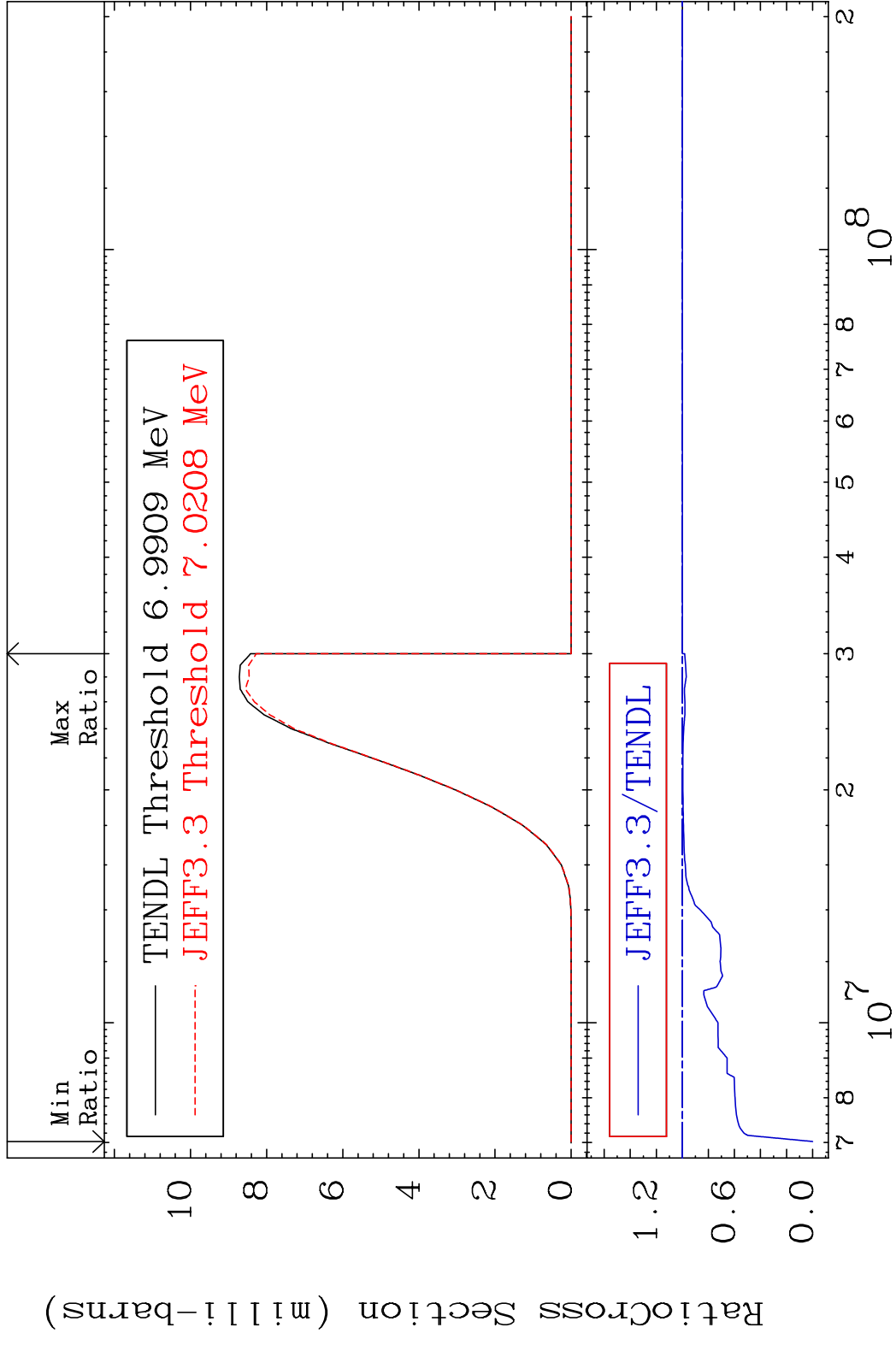
Cross Section -100.0 To 3.437 %



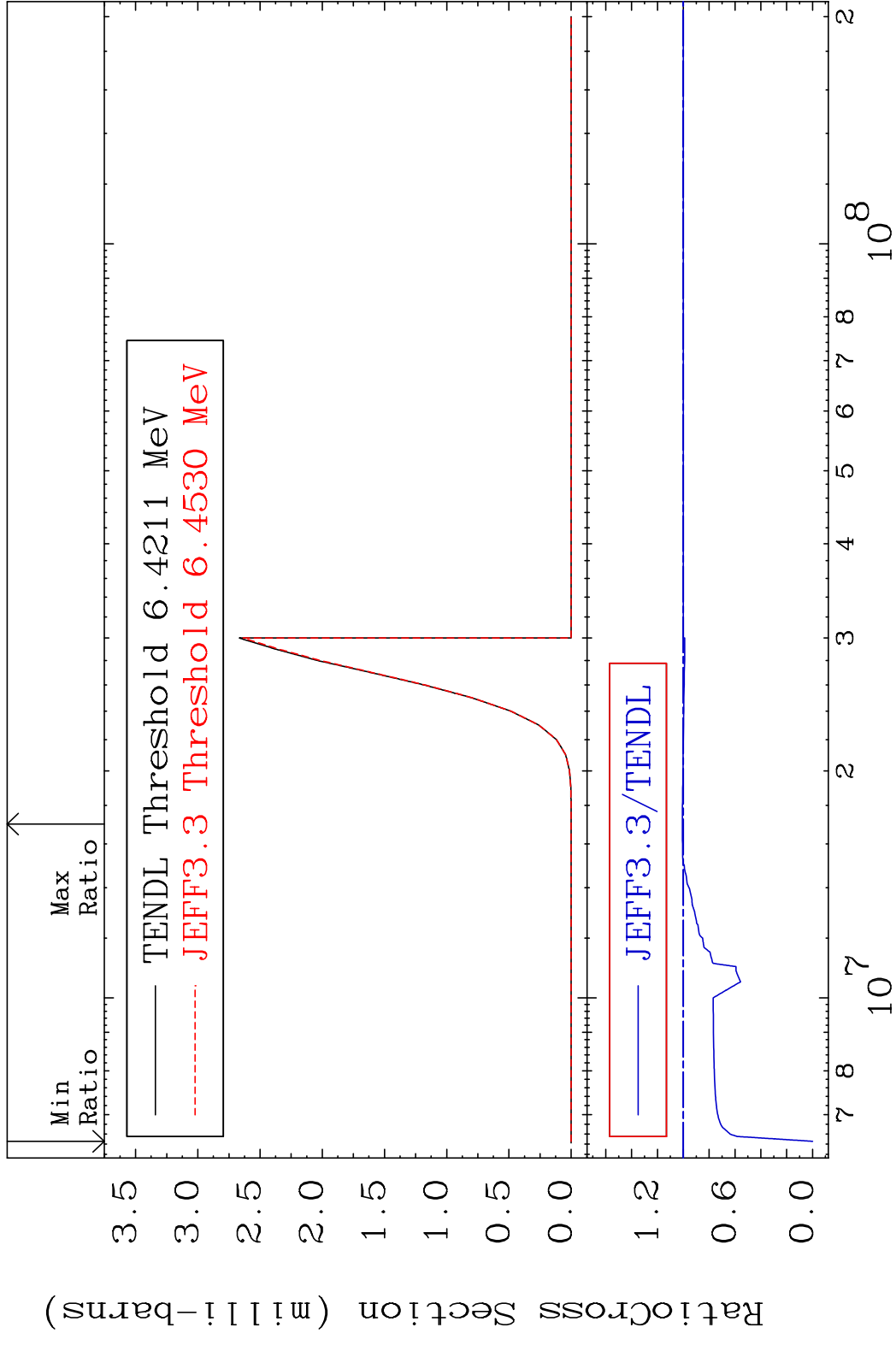
MAT 4628

(n, t) 46-Pd-103

Cross Section -100.0 To 0.000 %





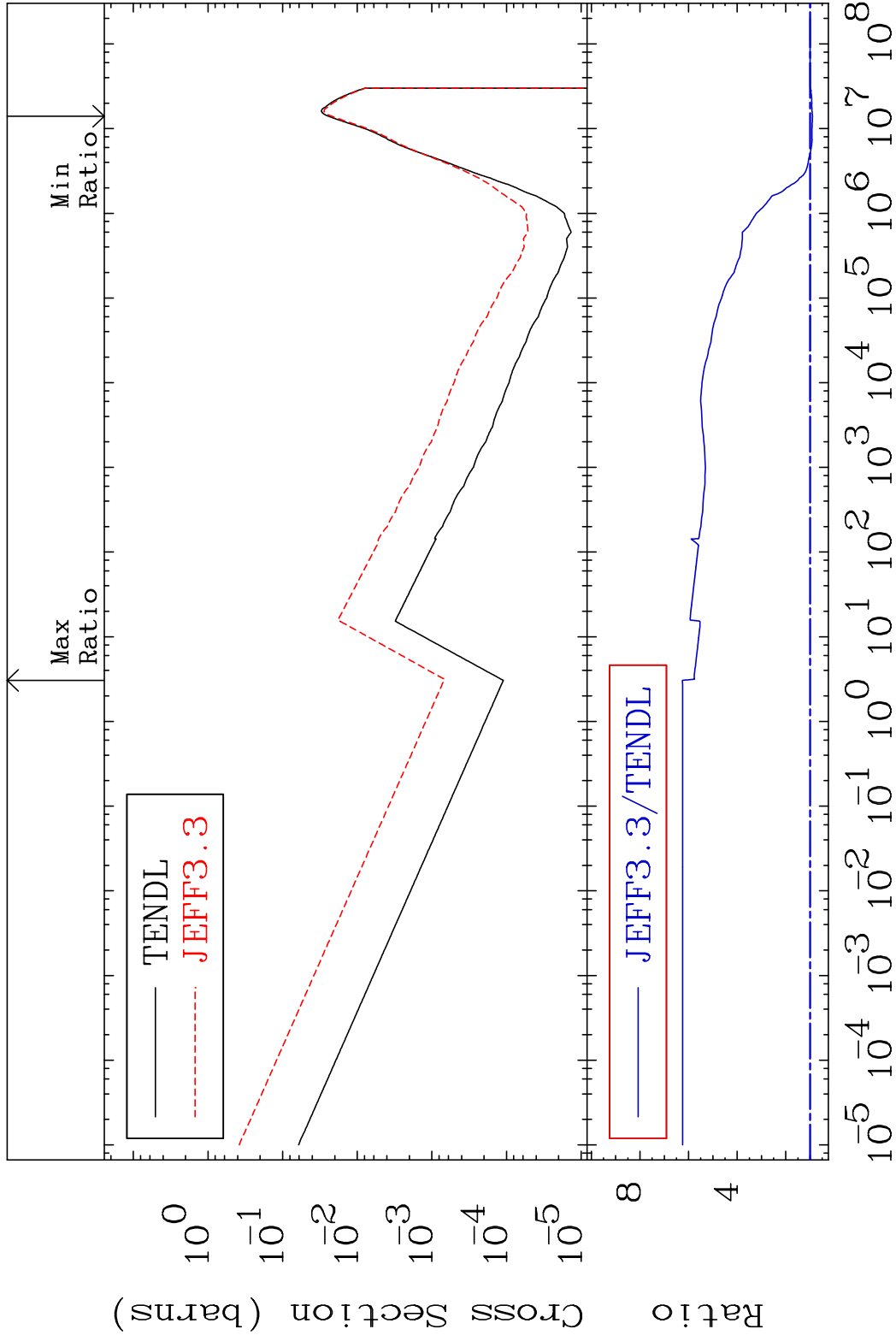


MAT 4628

(n,  $\alpha$ )

46-Pd-103

Cross Section -10.07 To 525.6 %



57

Incident Energy (eV)

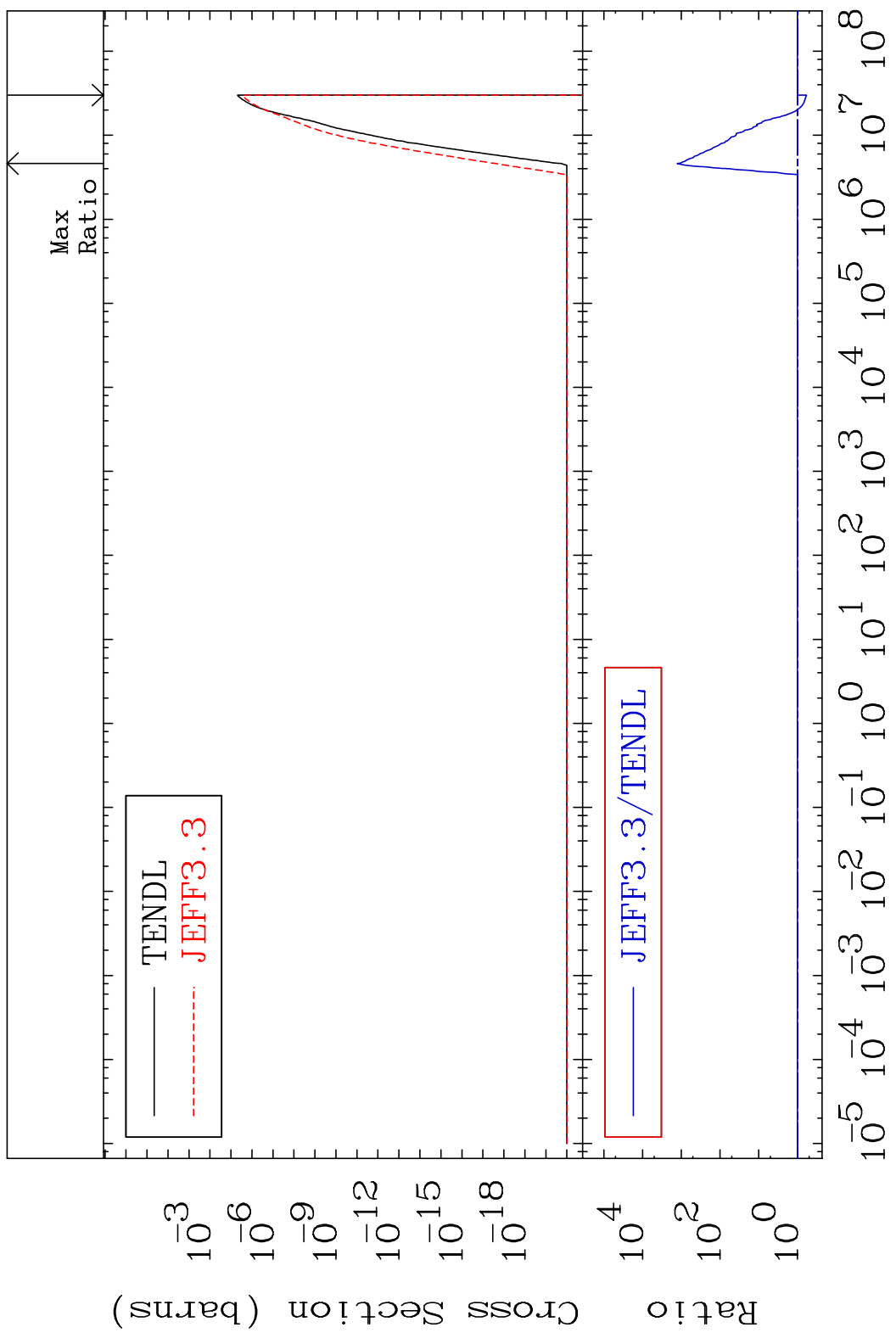
46-Pd-103

MAT 4628

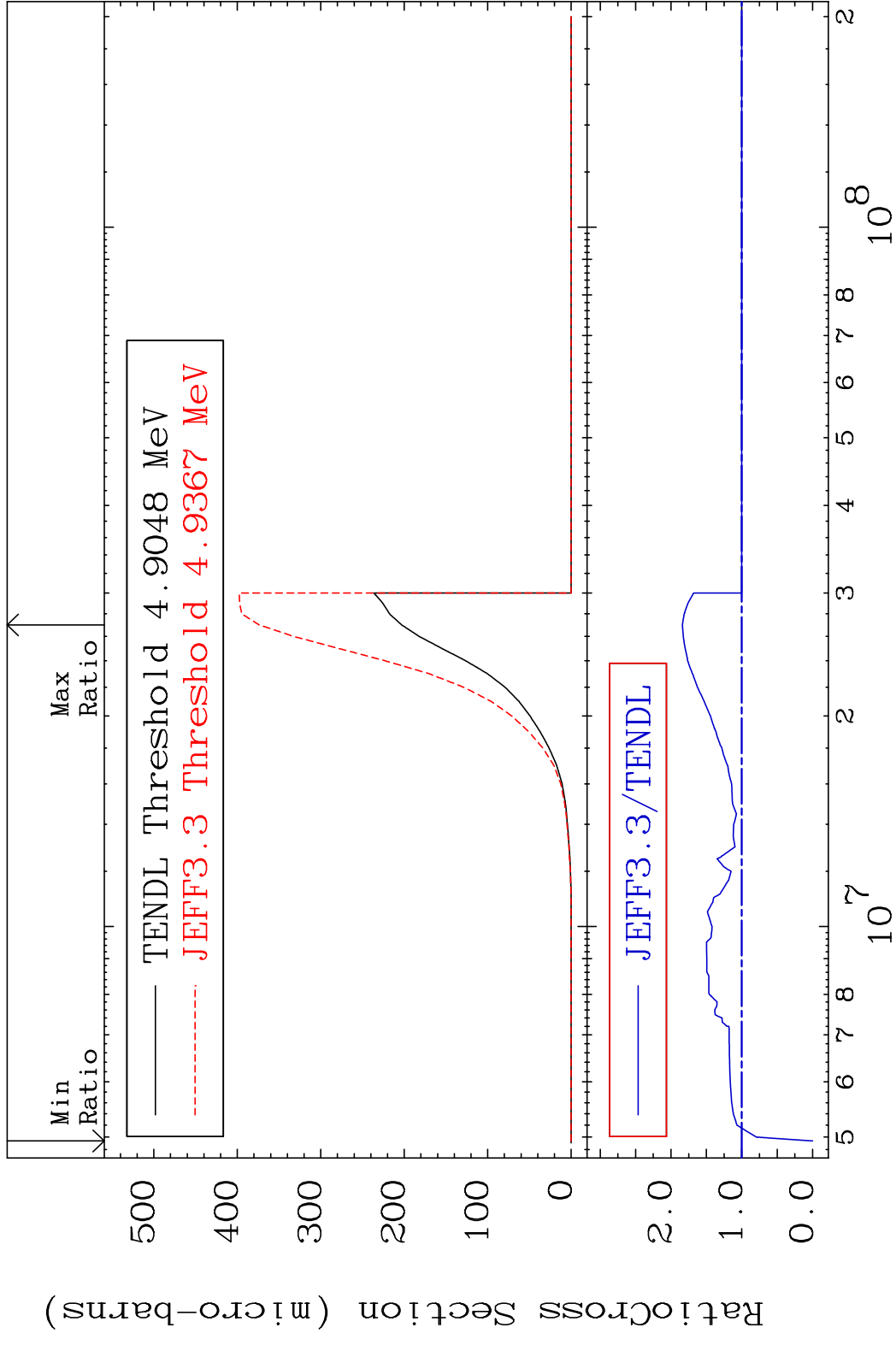
(n, 2α)

46-Pd-103

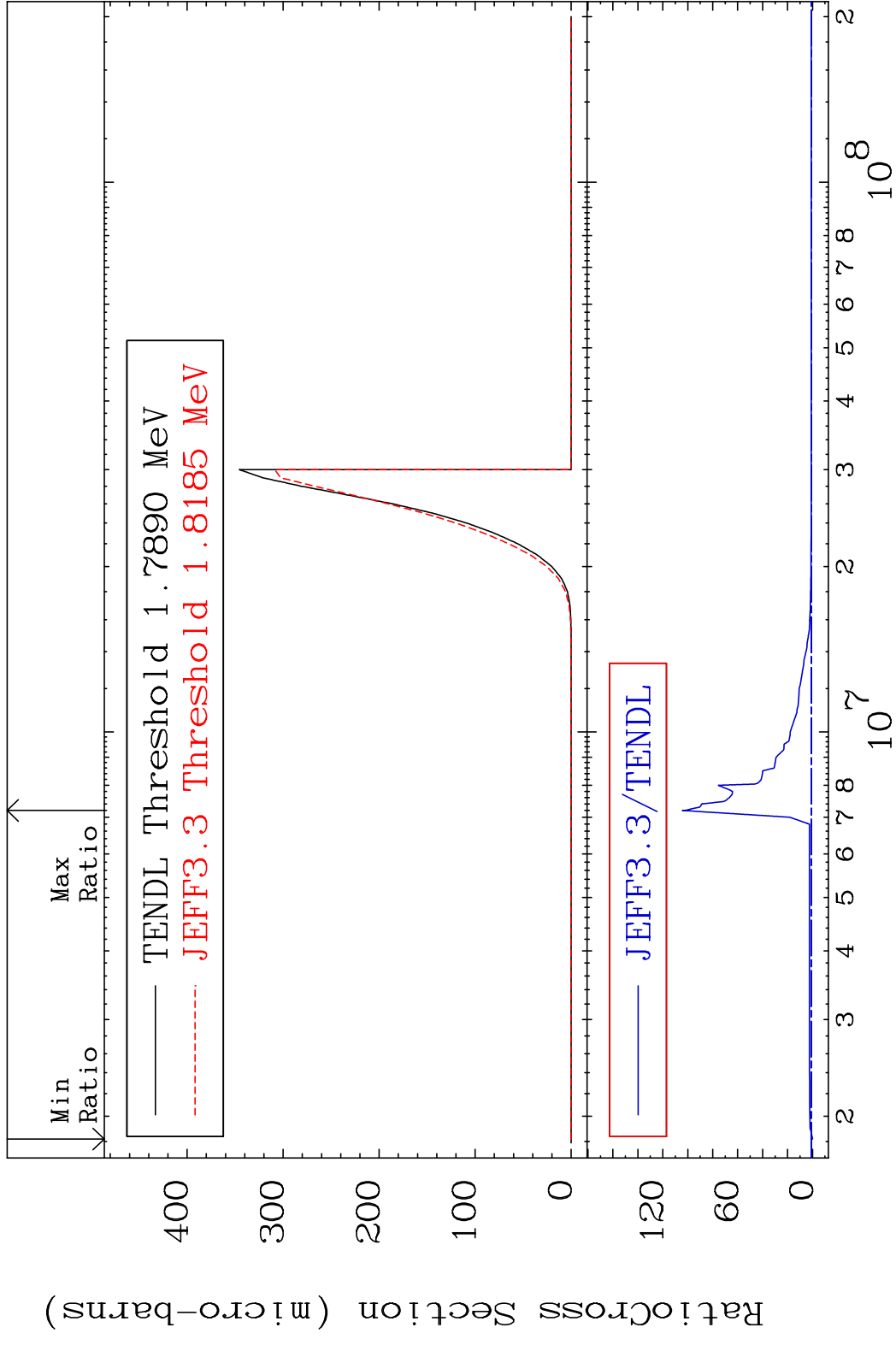
Cross Section -41.15 To 9999. %



MAT 4628 (n,2p) 46-Pd-103  
 Cross Section -100.0 To 83.96 %

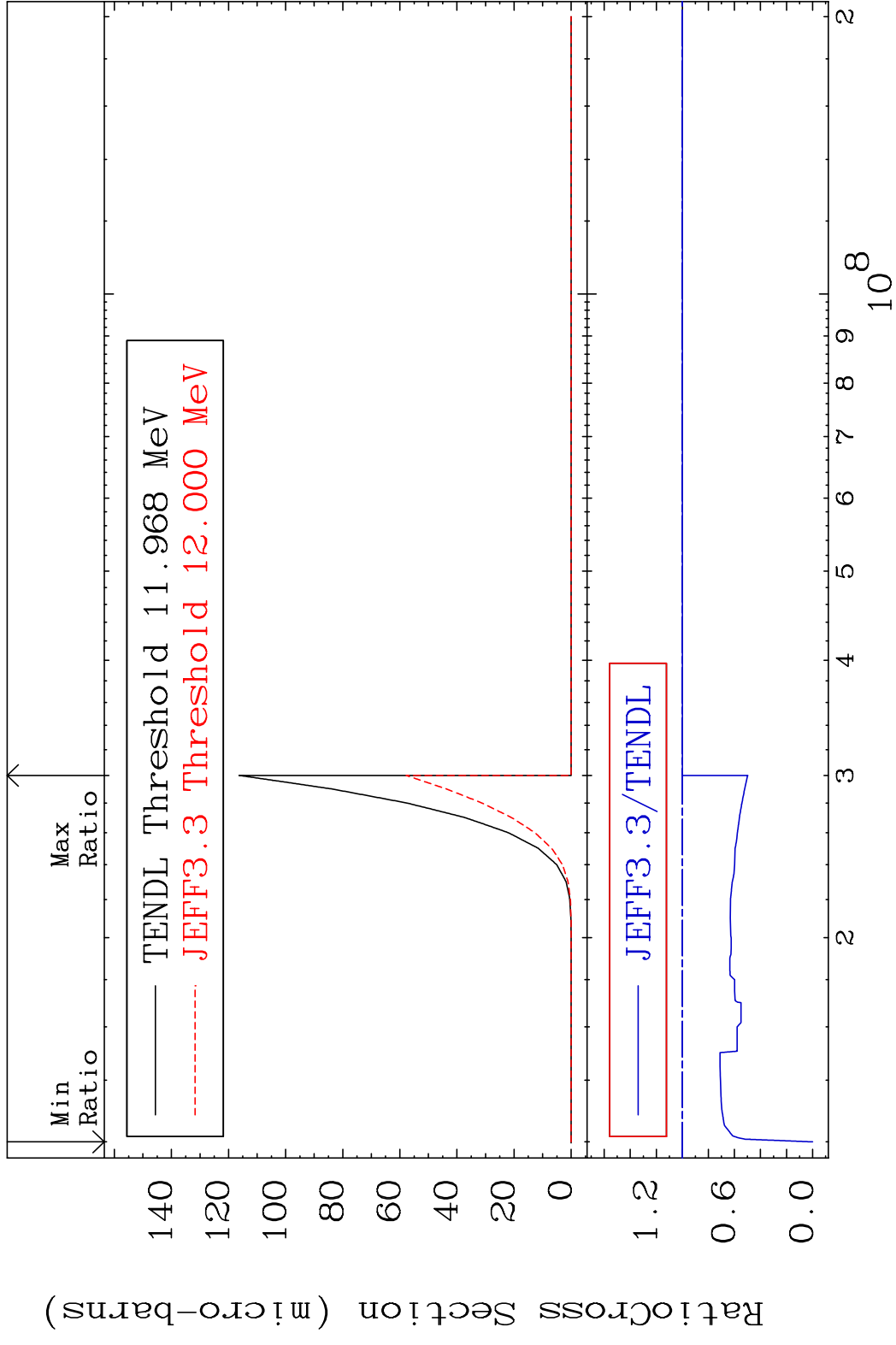


MAT 4628 (n,p)  $\alpha$  46-Pd-103  
 Cross Section -100.0 To 9999. %

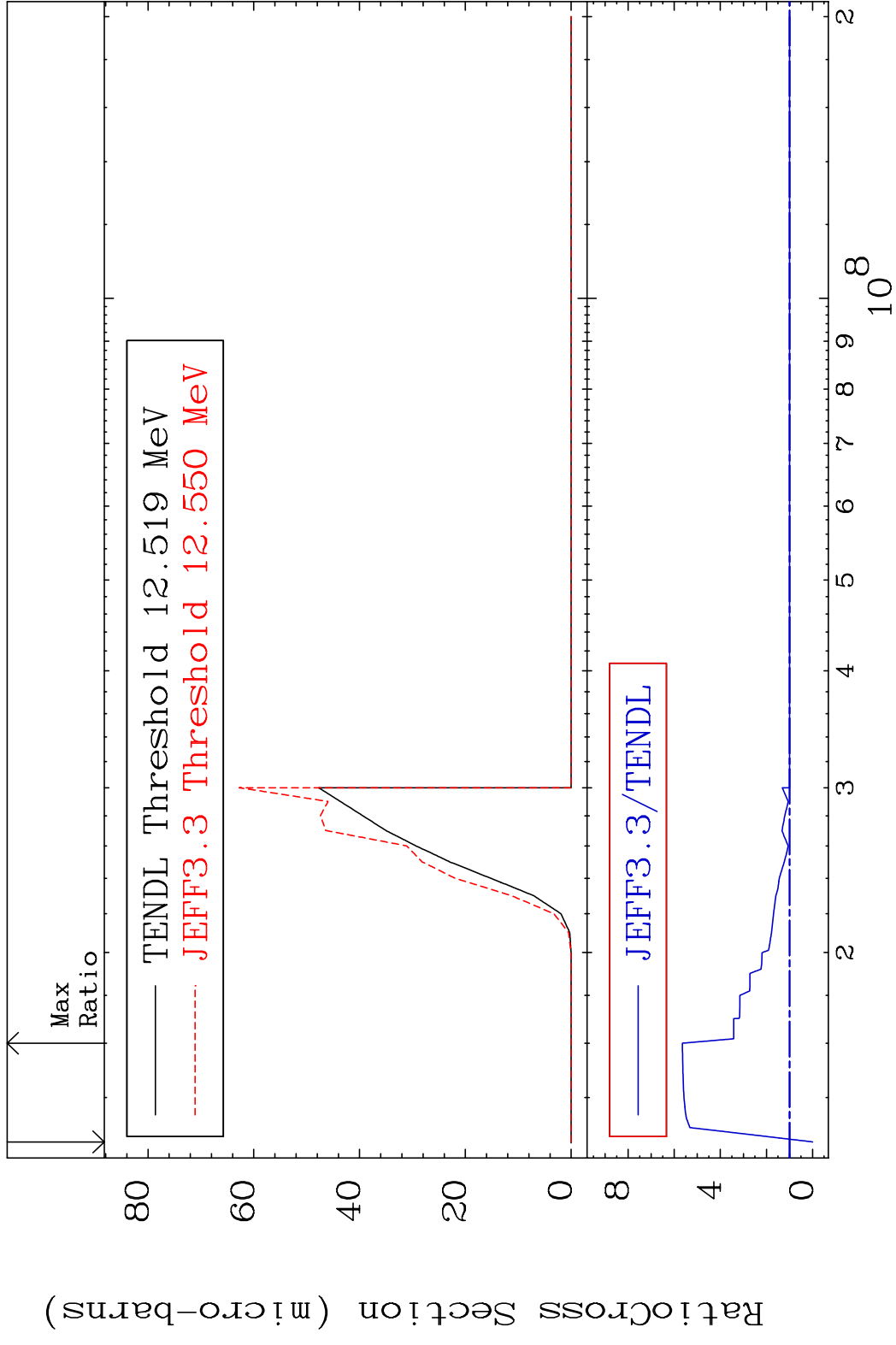


60 46-Pd-103

MAT 4628 (n,p) d 46-Pd-103  
 Cross Section -100.0 To 0.000 %



MAT 4628 (n,p) t 46-Pd-103  
 Cross Section -100.0 To 464.8 %

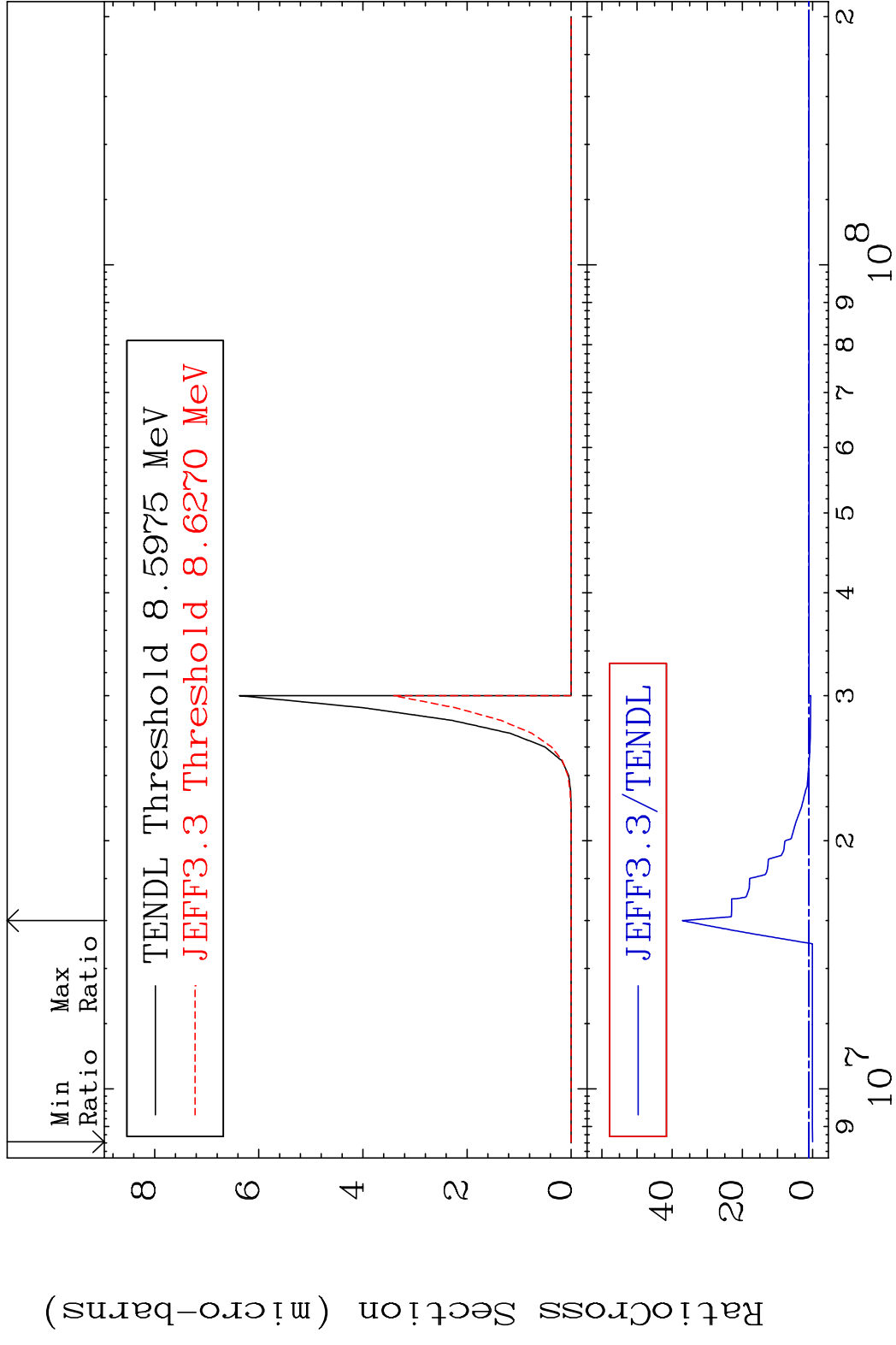


MAT 4628

(n,d)  $\alpha$

46-Pd-103

Cross Section -100.0 To 3609. %



63

Incident Energy (eV)

46-Pd-103

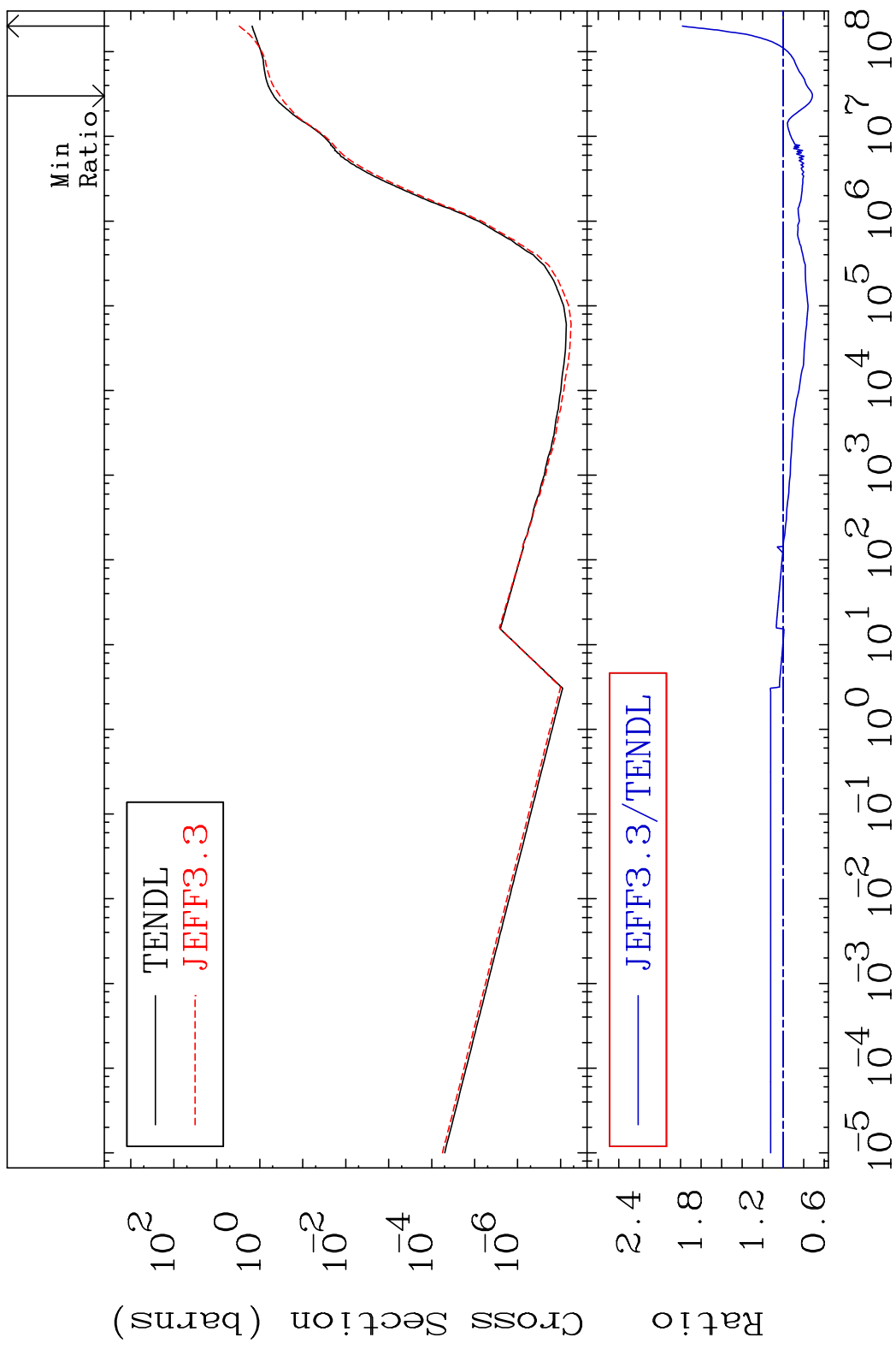


MAT 4628

Hydrogen Production

46-Pd-103

Cross Section -28.62 To 98.18 %

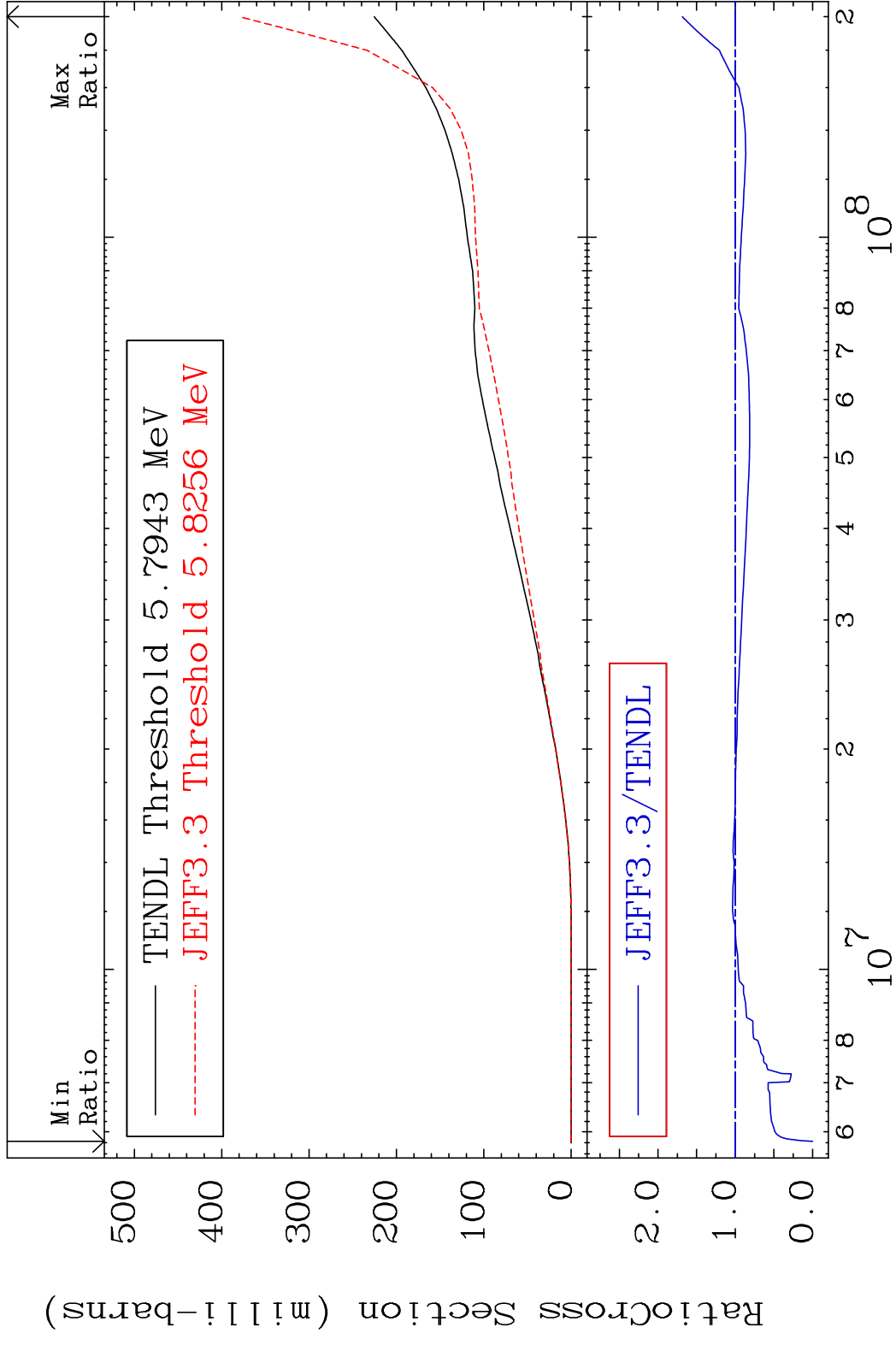


MAT 4628

Deuterium Production

46-Pd-103

Cross Section -100.0 To 68.48 %

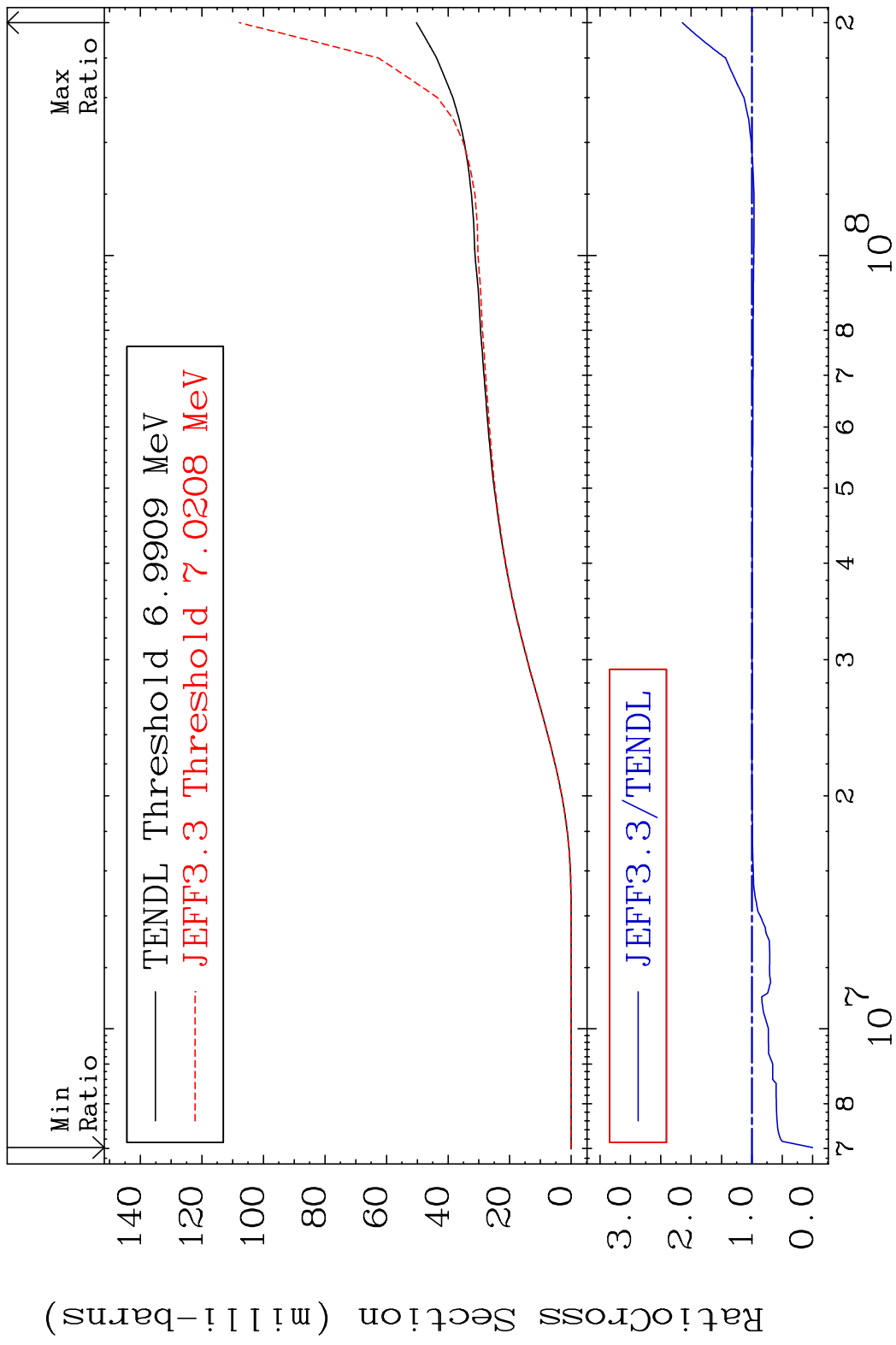


65

Incident Energy (eV)

46-Pd-103

MAT 4628 Tritium Production 46-Pd-103  
 Cross Section -100.0 To 114.5 %

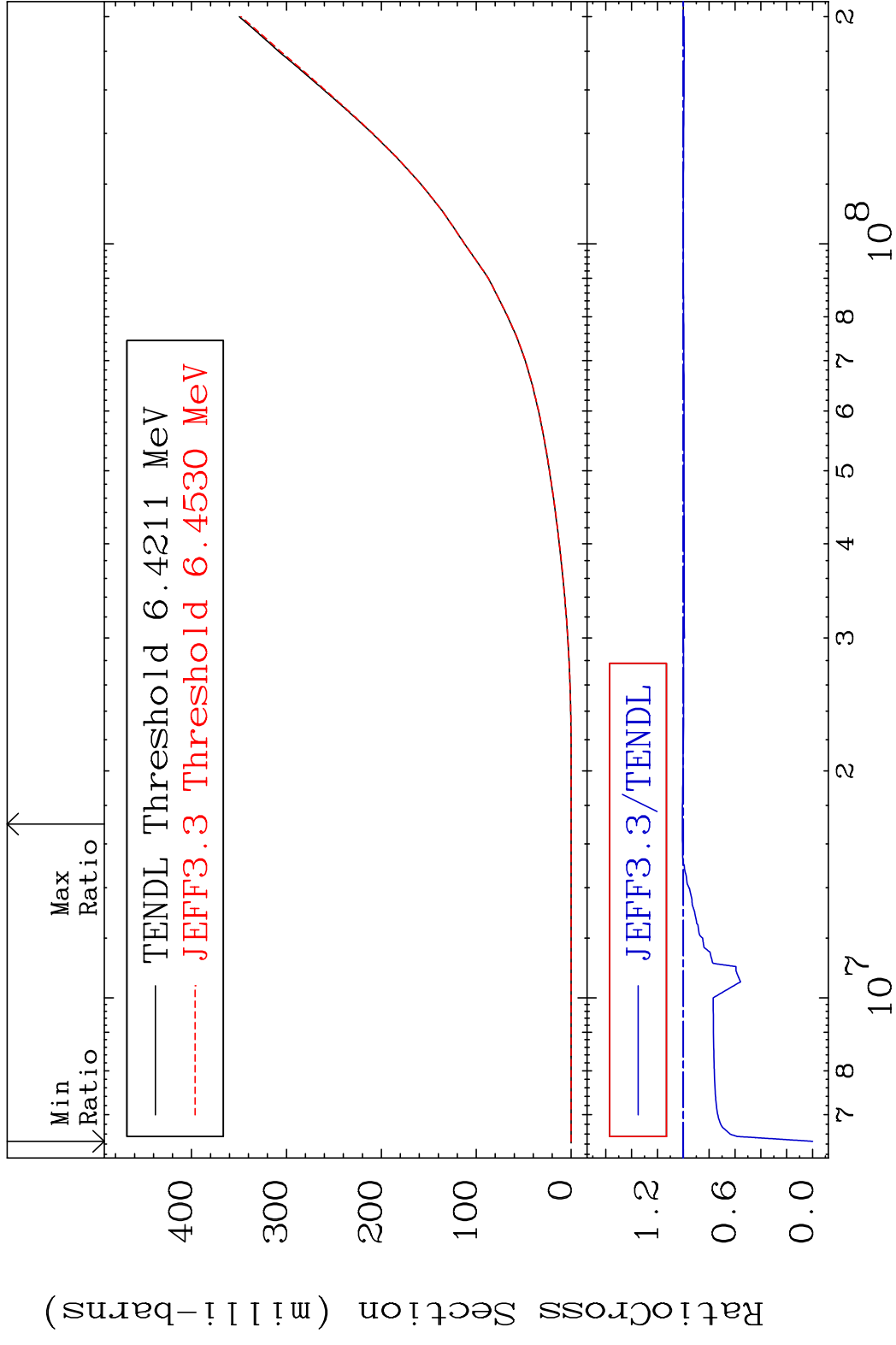


MAT 4628

He-3 Production

46-Pd-103

Cross Section -100.0 To 0.727 %



67

Incident Energy (eV)

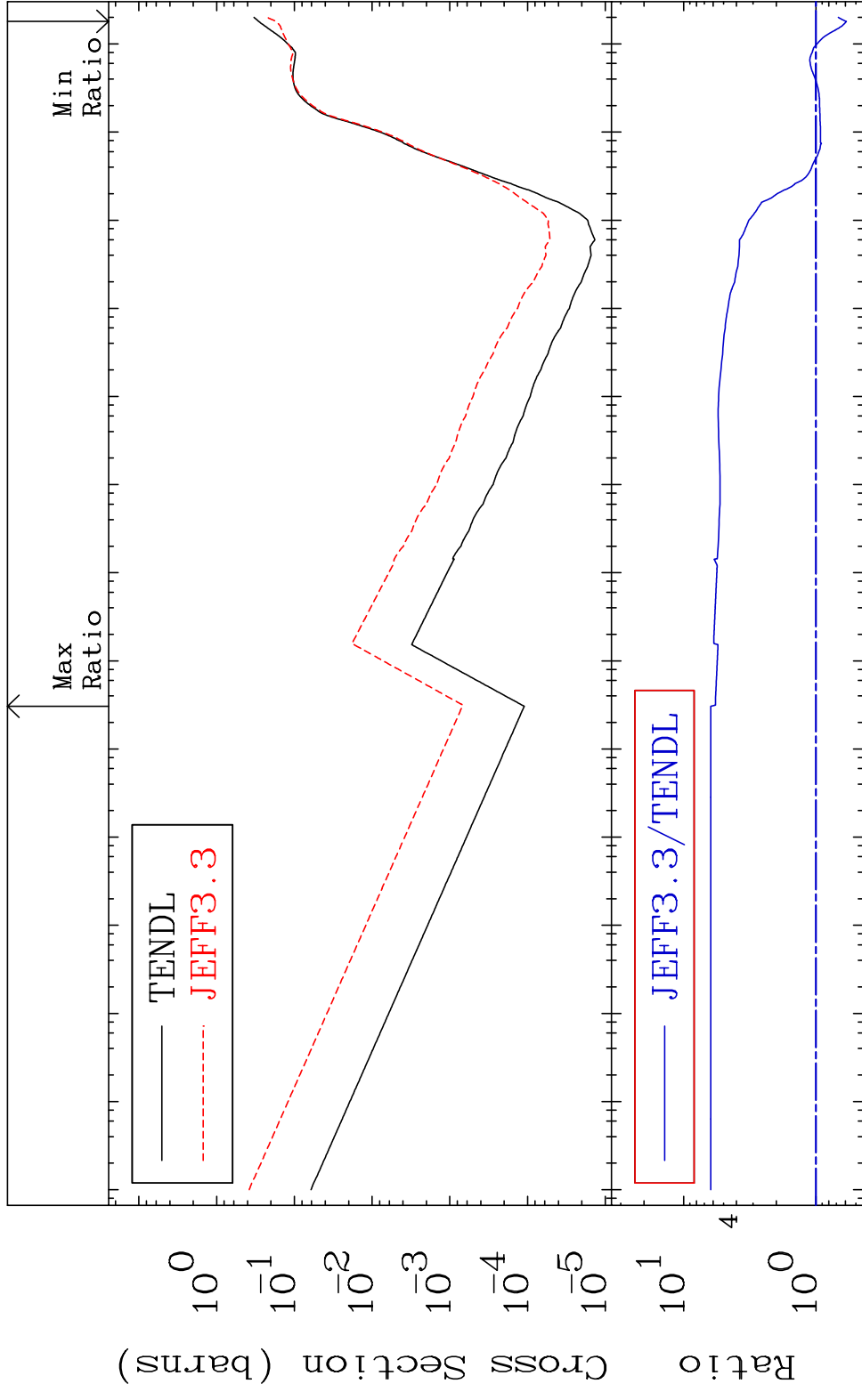
46-Pd-103

MAT 4628

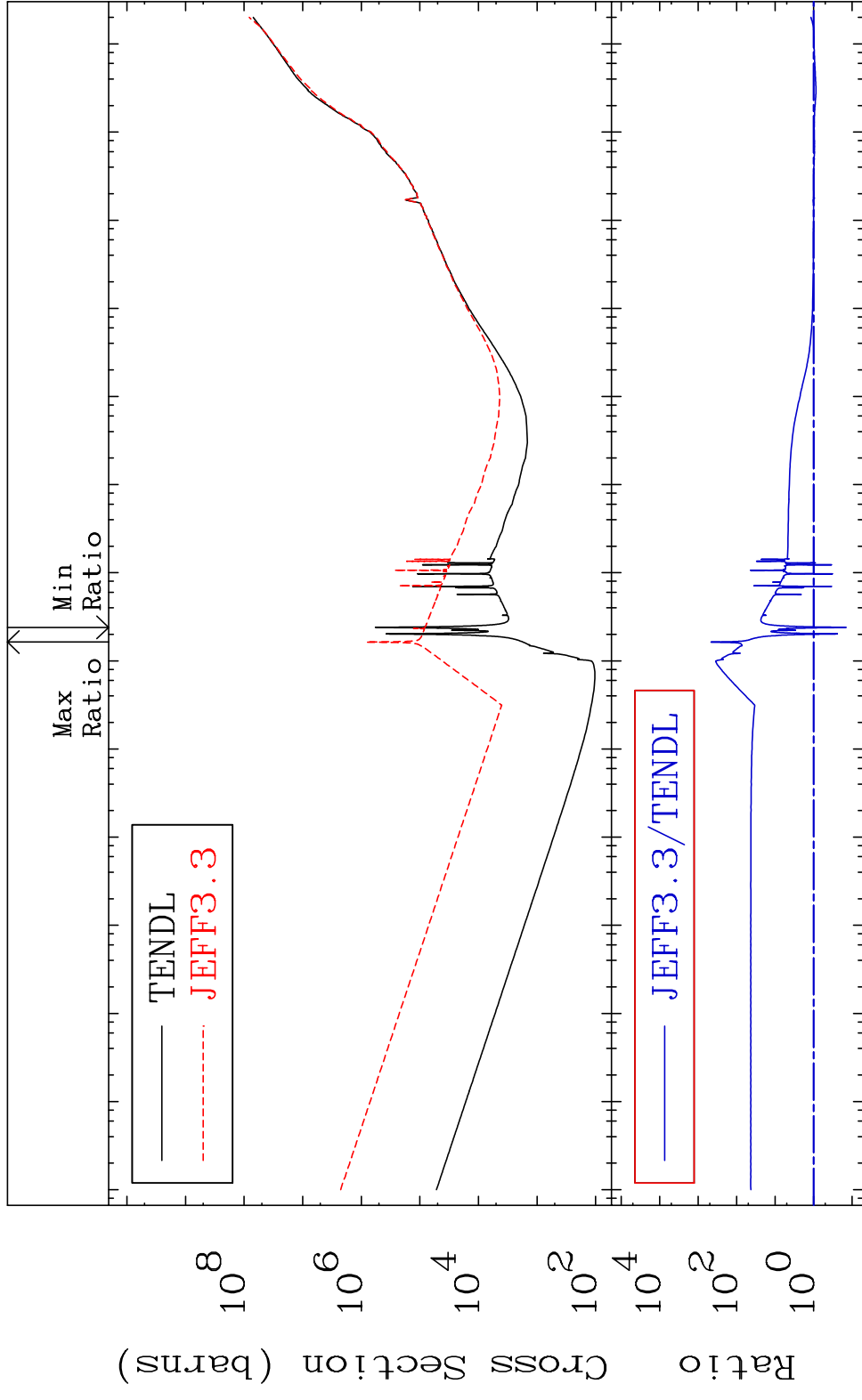
He-4 Production

46-Pd-103

Cross Section -41.02 To 525.6 %



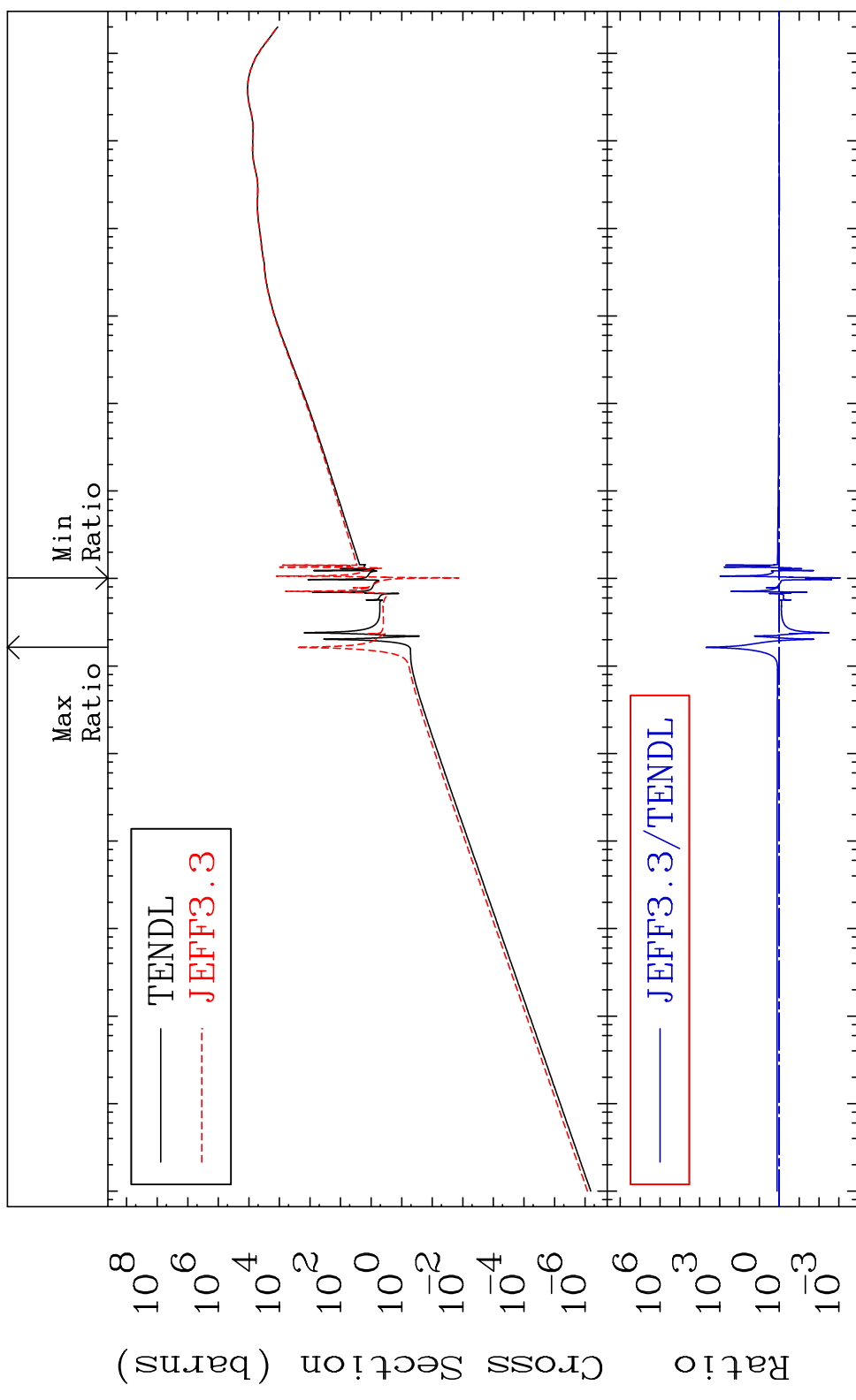
MAT 4628 Kerma total (eV-barns) 46-Pd-103  
 Cross Section -85.80 To 9999. %



Ratio  
 Cross Section (barns)  
 Incident Energy (eV)

MAT 4628

Kerma elastic Cross Section -99.92 To 9999. %  
46-Pd-103

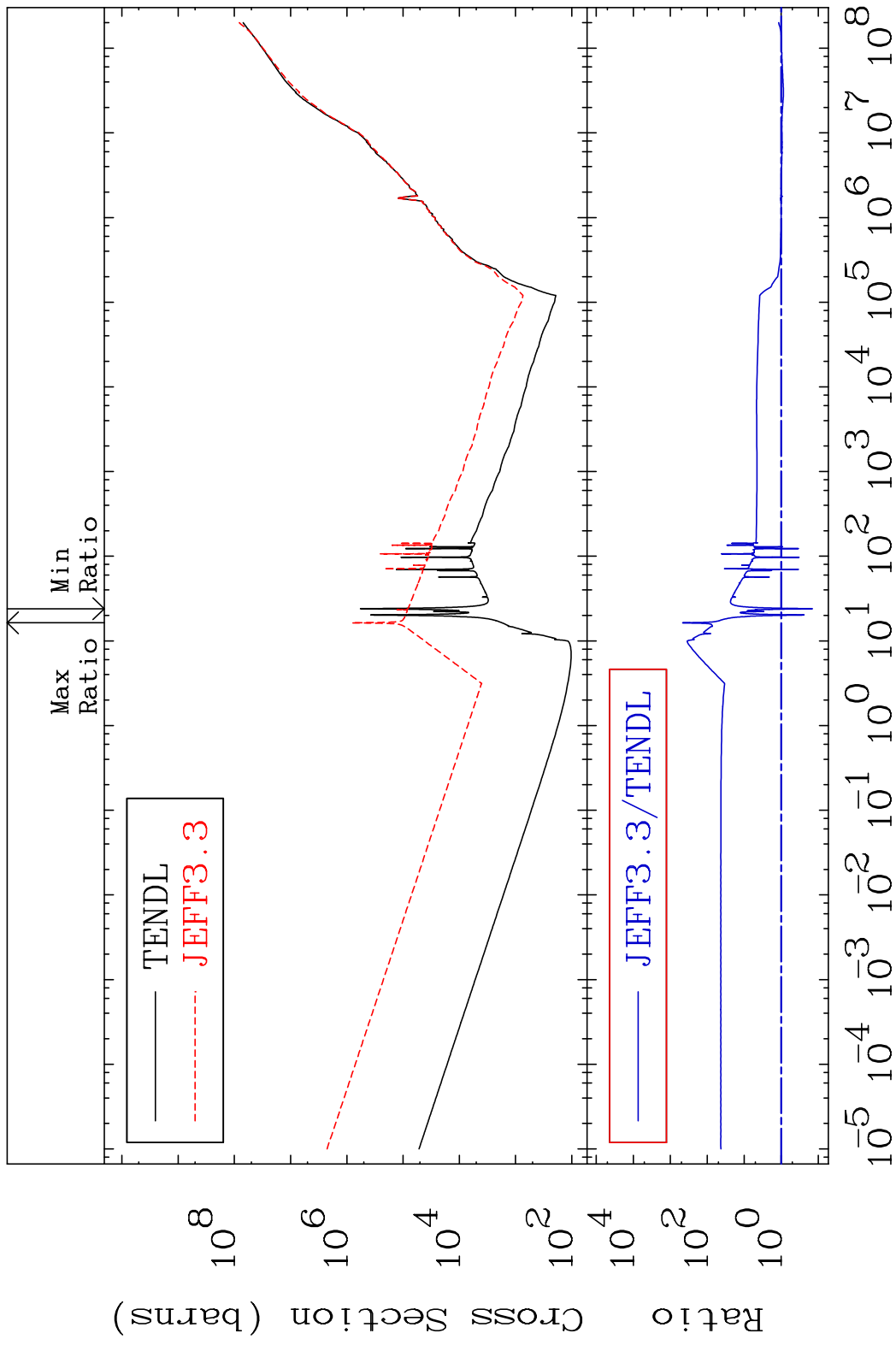


70

Incident Energy (eV)

46-Pd-103

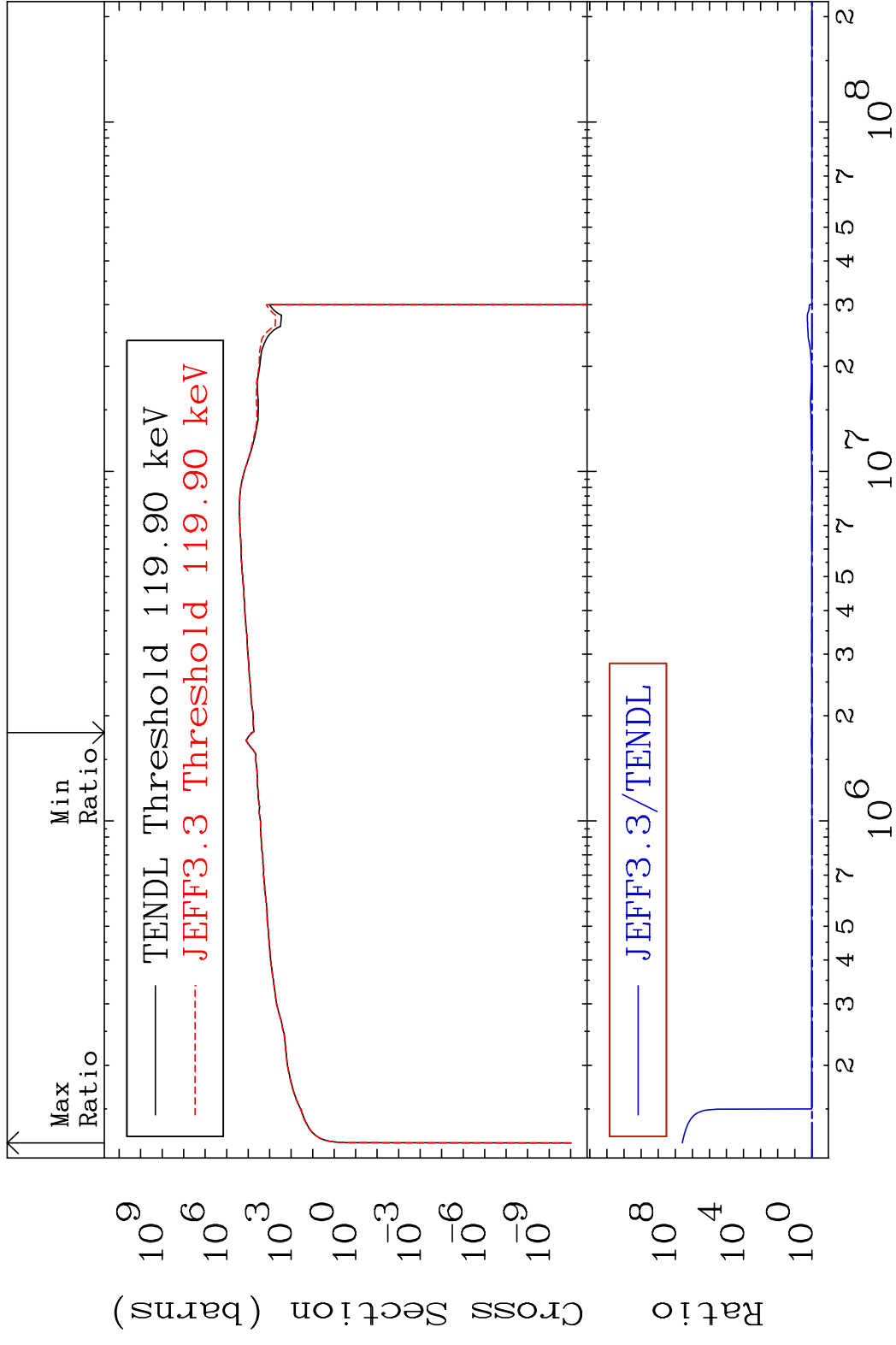
MAT 4628 Kerma non-elastic (all but mt2) 46-Pd-103  
 Cross Section -85.76 To 9999. %



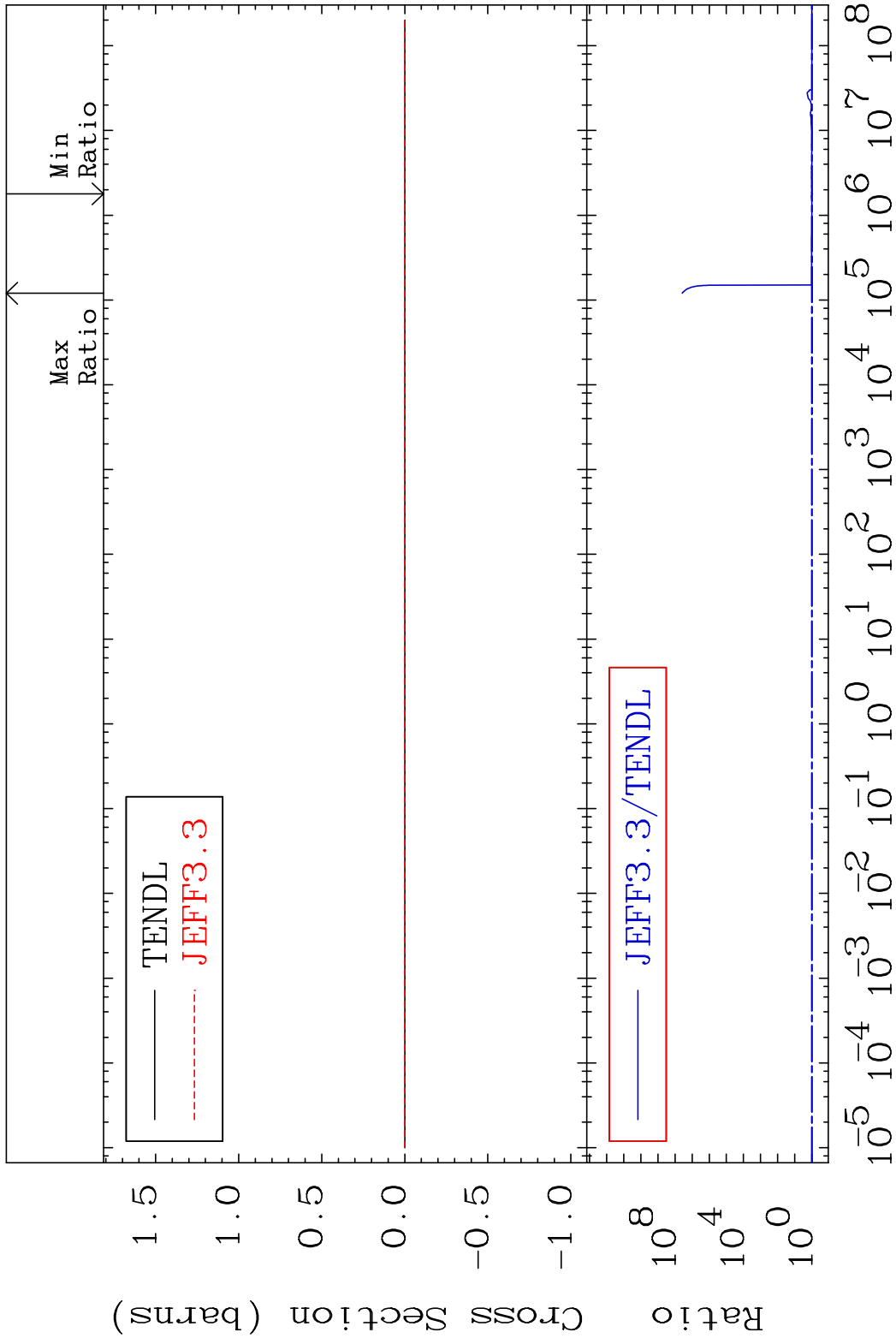
71 Incident Energy (eV) 46-Pd-103



MAT 4628 Kerma inelastic (mt51-91) 46-Pd-103  
 Cross Section -8.645 To 9999. %

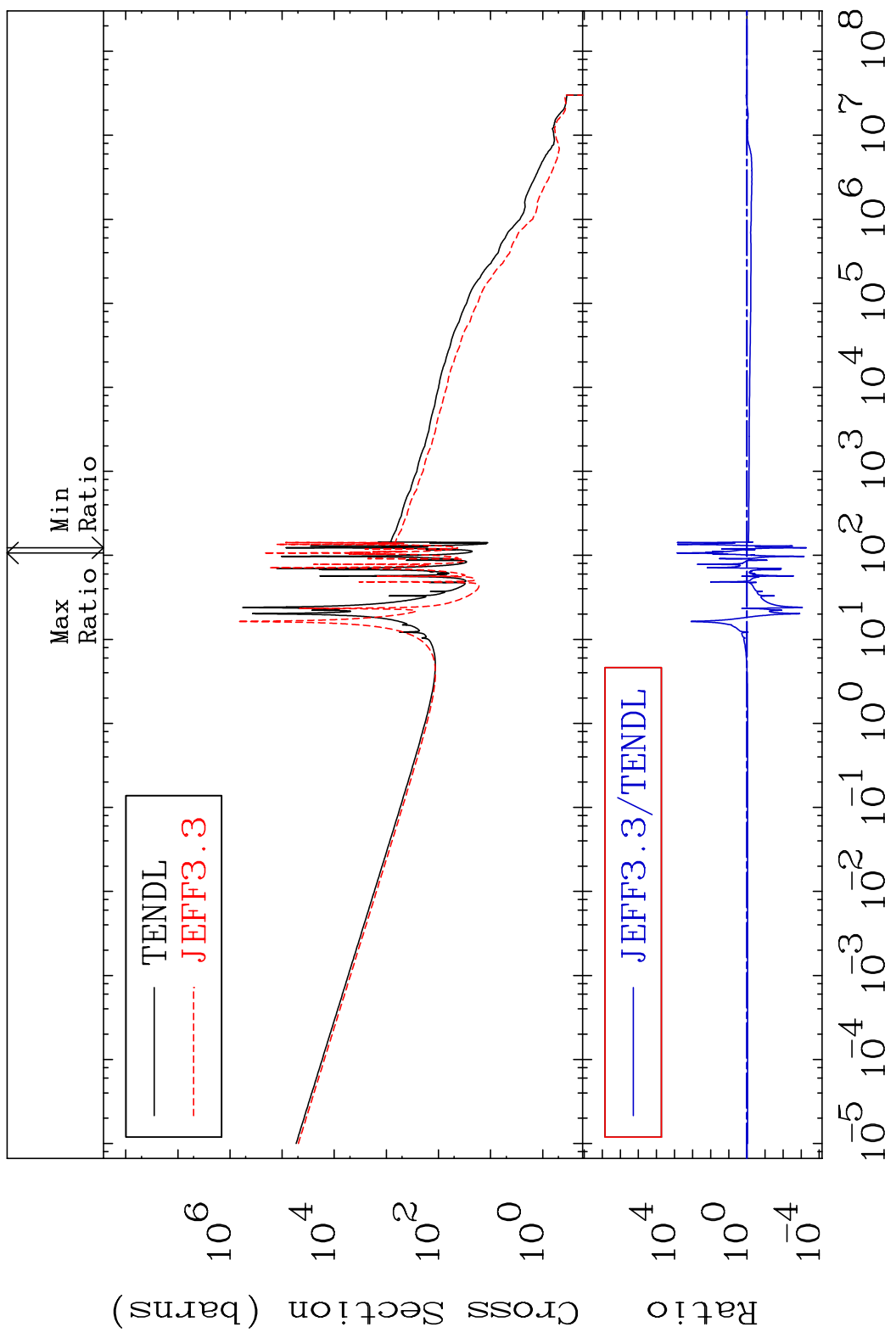


MAT 4628 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-103  
 Cross Section -8.645 To 9999. %



MAT 4628

Kerma capture (mt102) 46-Pd-103  
Cross Section -99.95 To 9999. %

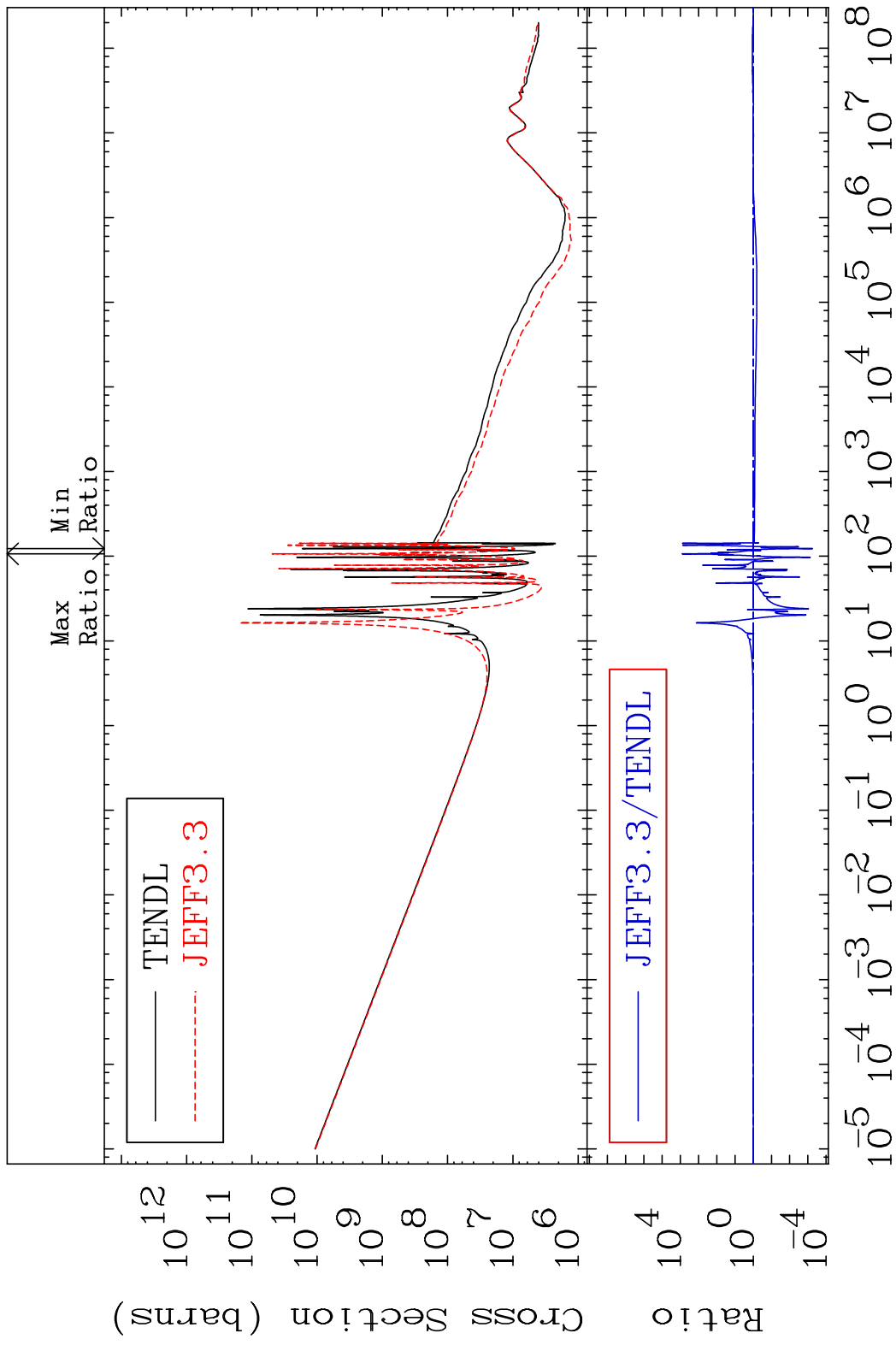


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Incident Energy (eV)

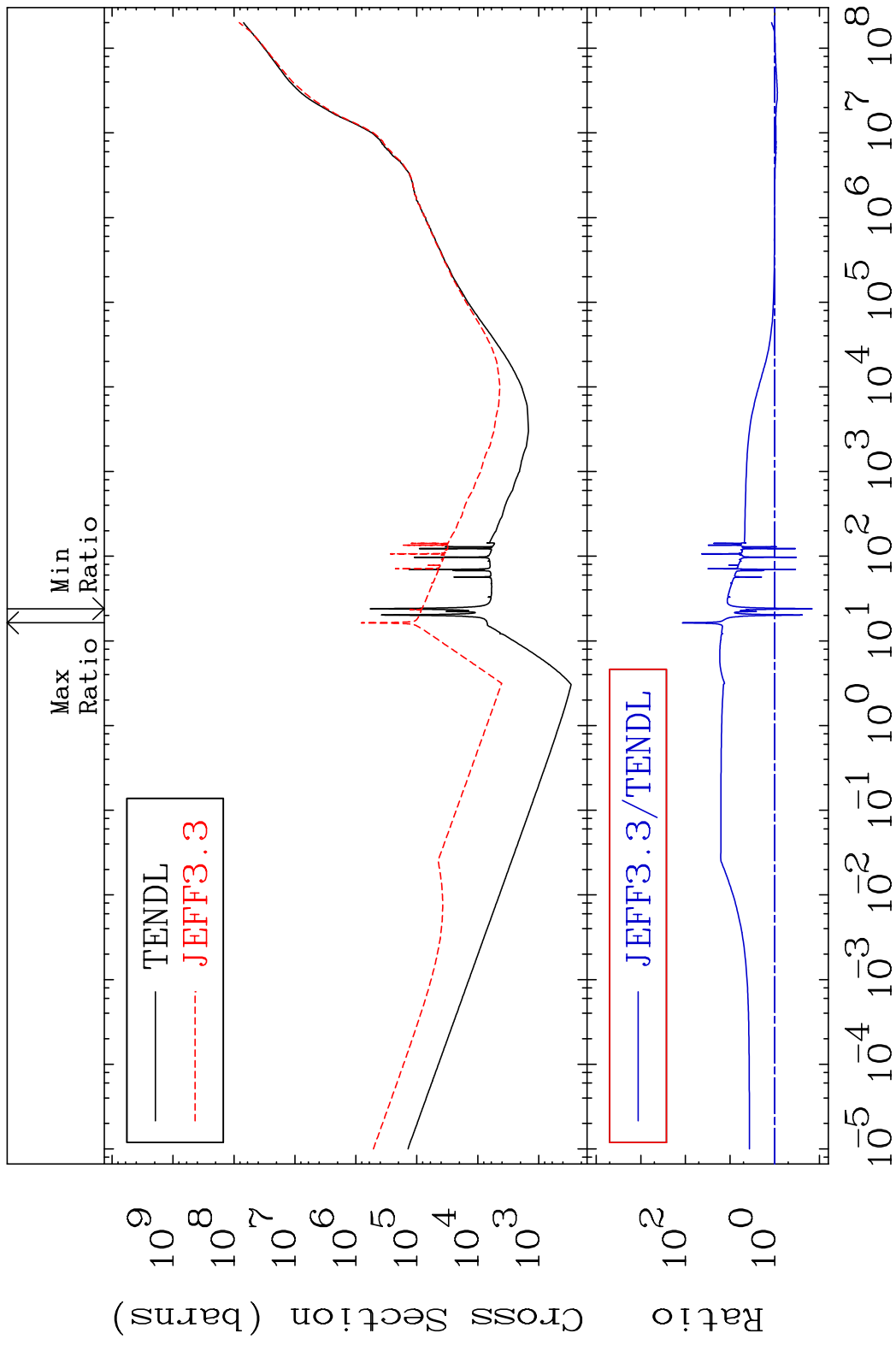
46-Pd-103

MAT 4628 Total photon (eV-barns) 46-Pd-103  
 Cross Section -99.94 To 9999. %



75 Incident Energy (eV) 46-Pd-103

MAT 4628 Total kinematic kerma (high limit) 46-Pd-103  
 Cross Section -85.79 To 9999. %

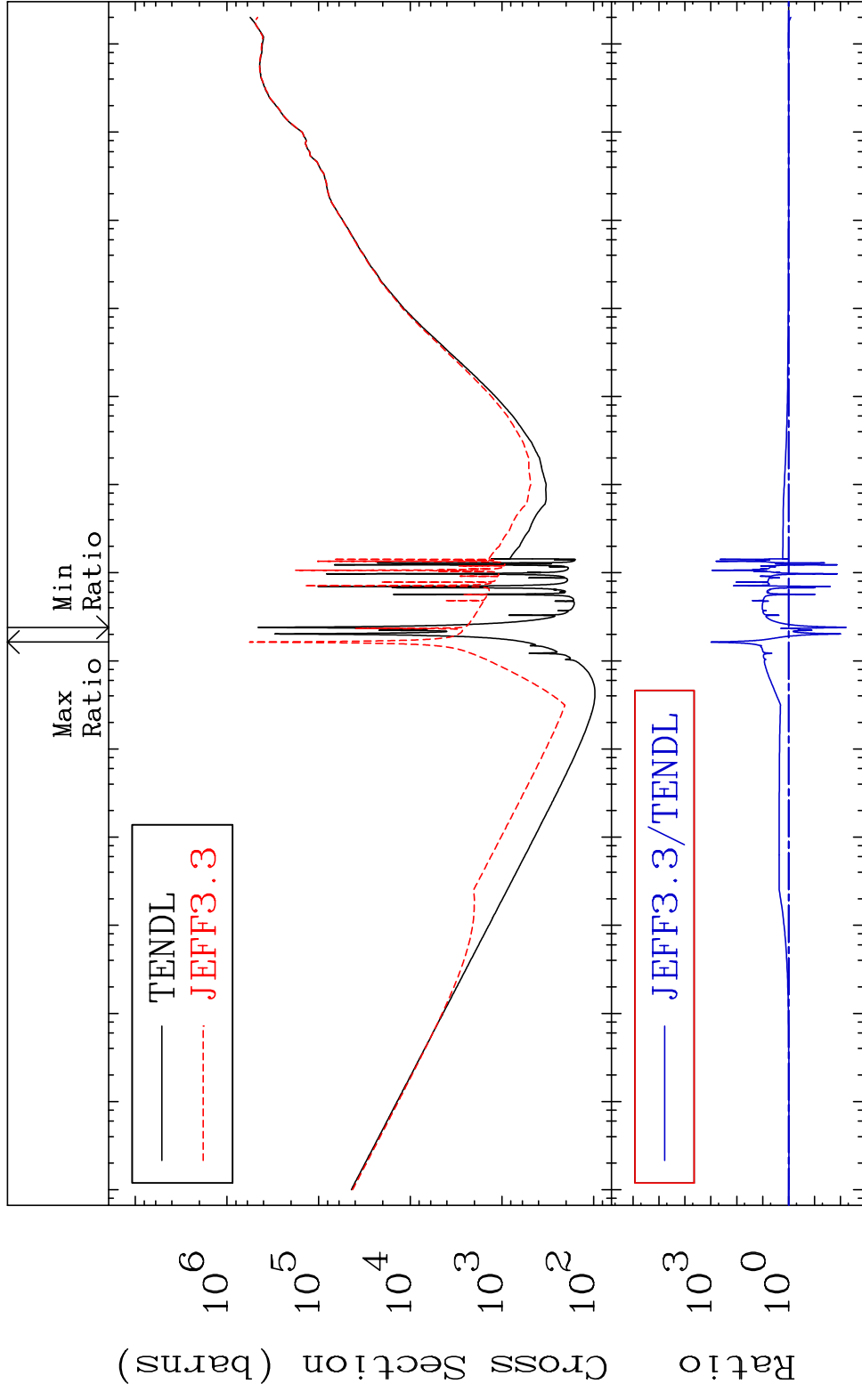


MAT 4628

Dpa total (eV-barns)

46-Pd-103

Cross Section -99.40 To 9999. %



10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

77

Incident Energy (eV)

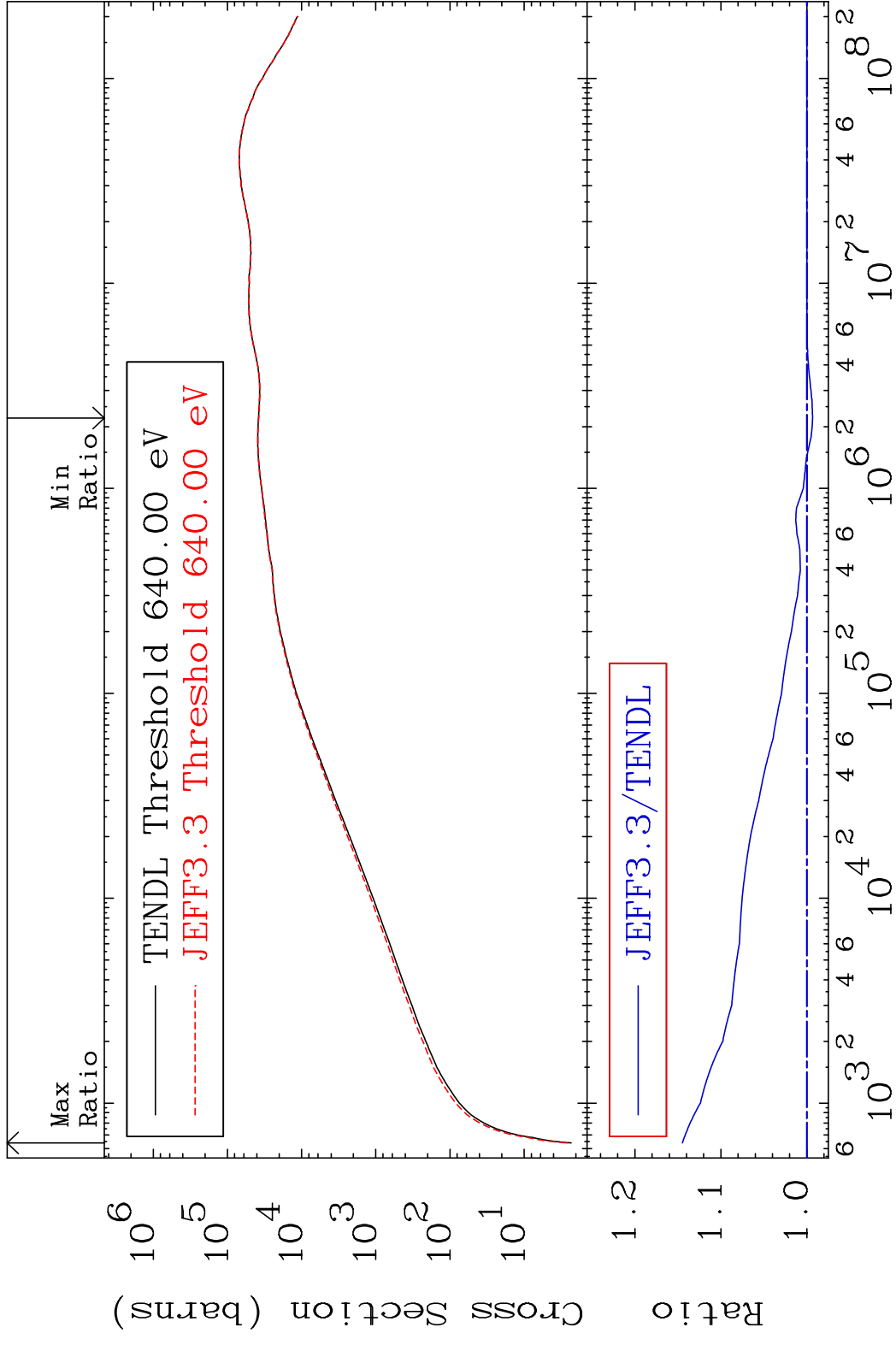
46-Pd-103

MAT 4628

Dpa elastic (mt2)

46-Pd-103

Cross Section -0.6662 To 14.48 %

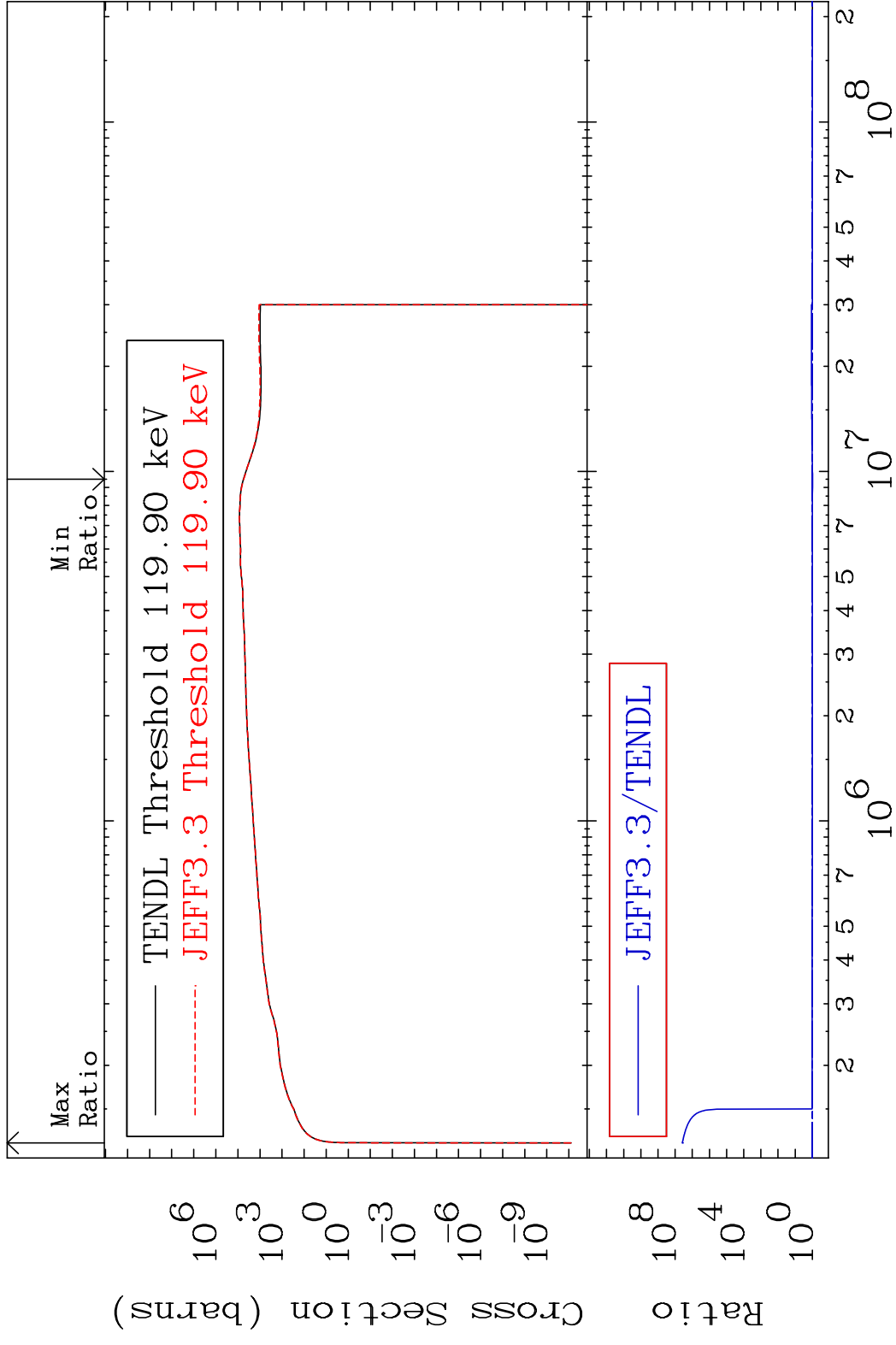


78

Incident Energy (eV)

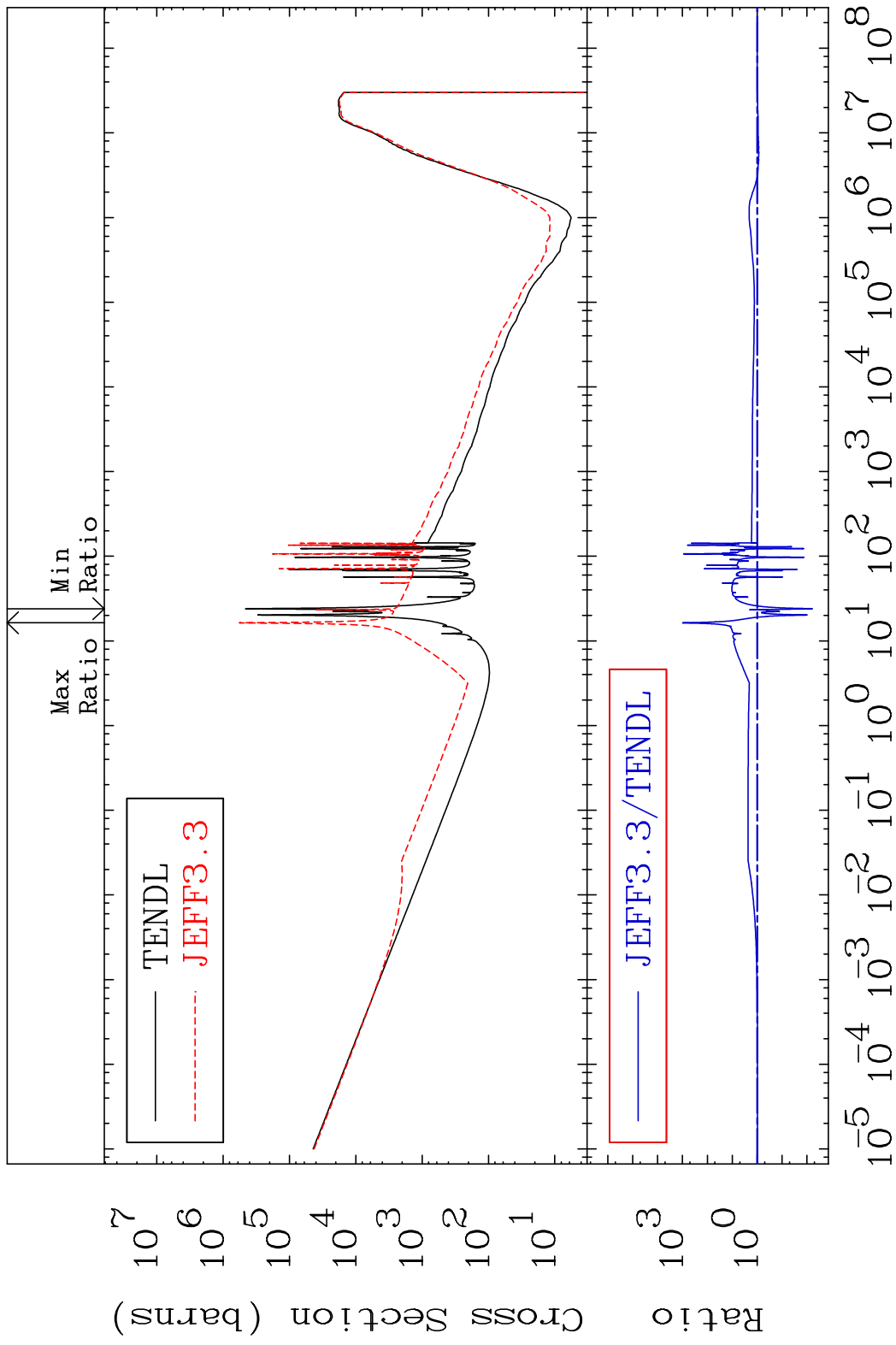
46-Pd-103

MAT 4628 Dpa inelastic (mt51-91) 46-Pd-103  
 Cross Section -3.024 To 9999. %



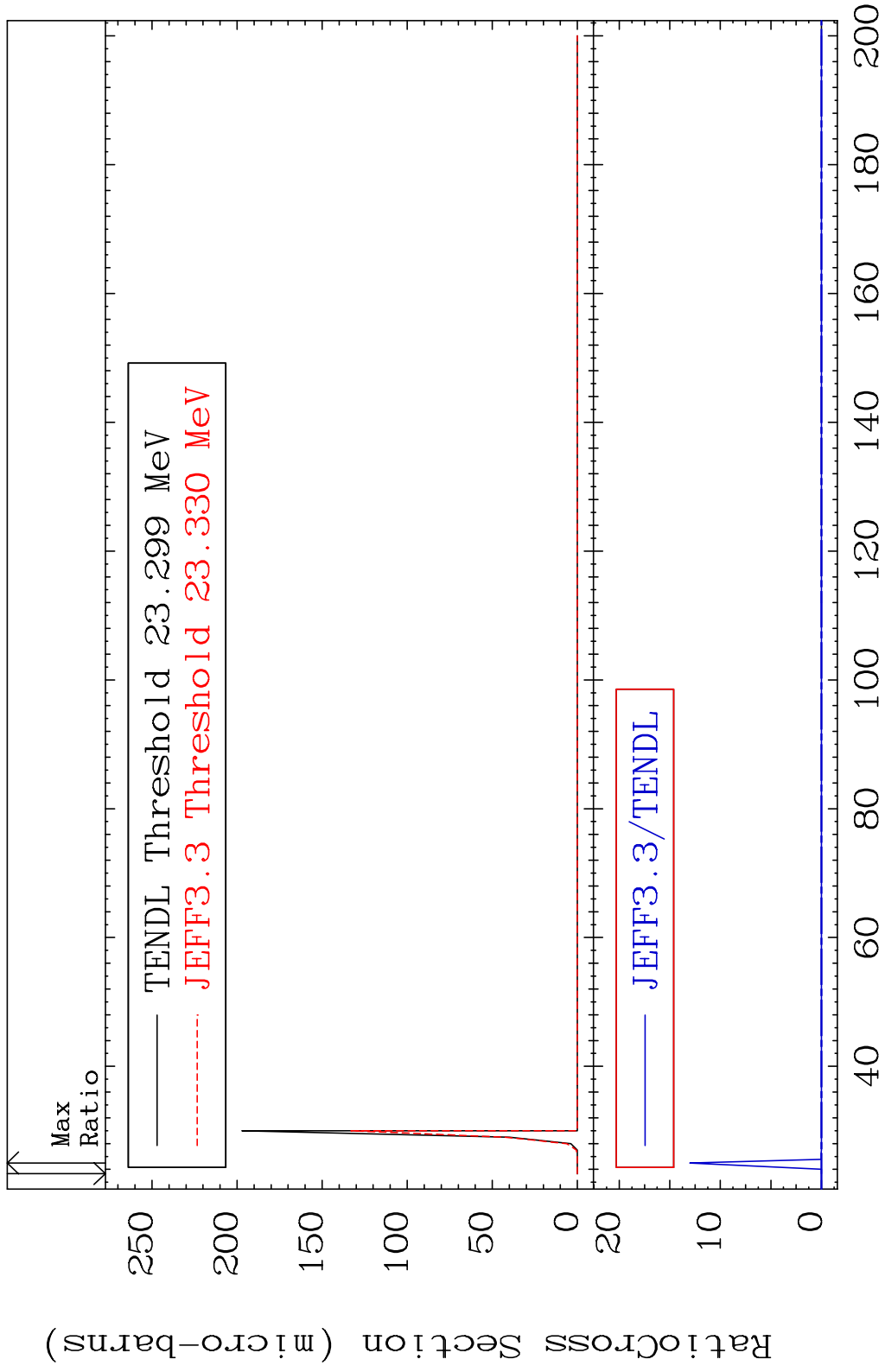


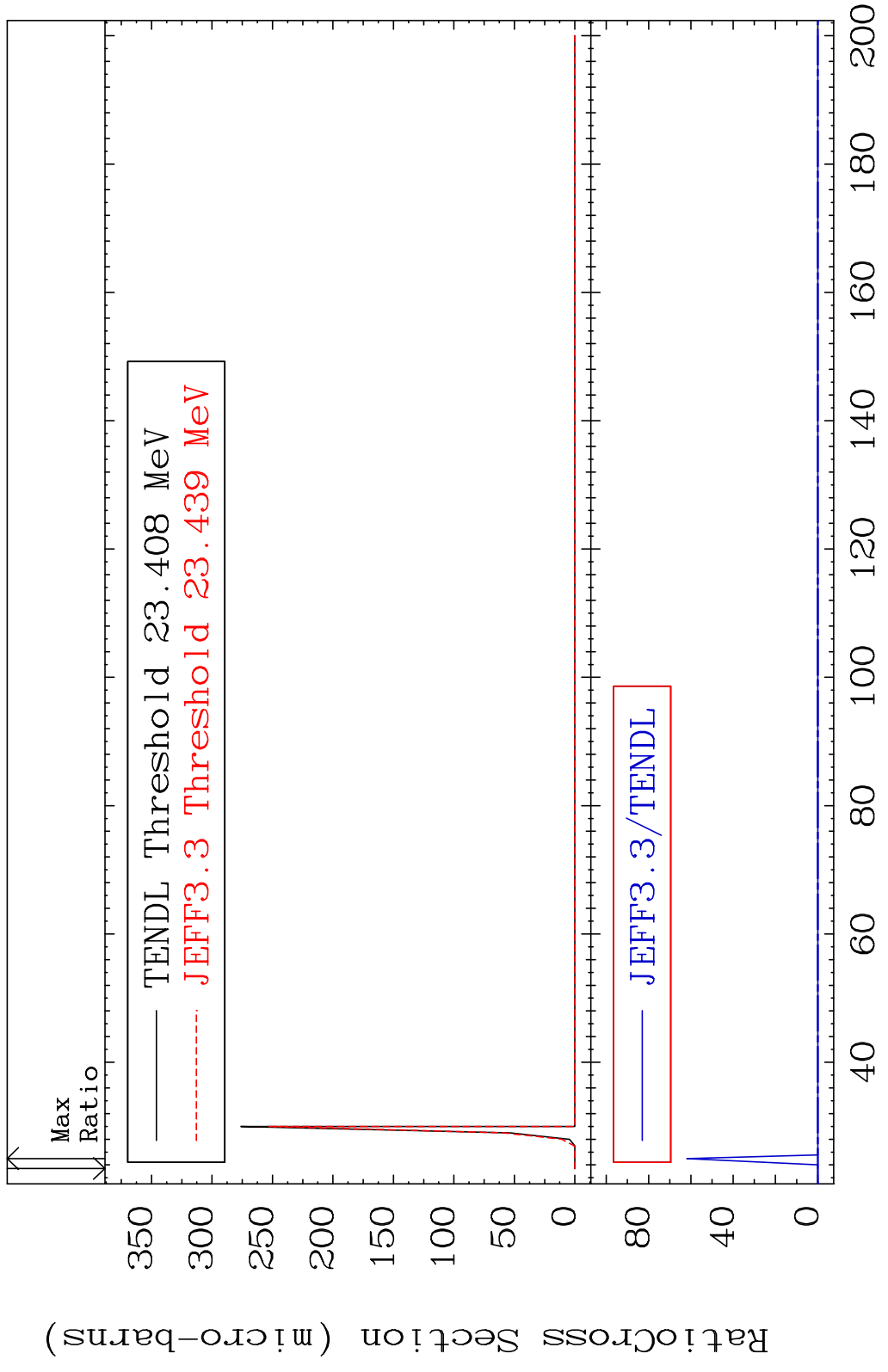
MAT 4628 Dpa disappearance (mt102 -120) 46-Pd-103  
 Cross Section -99.40 To 9999. %



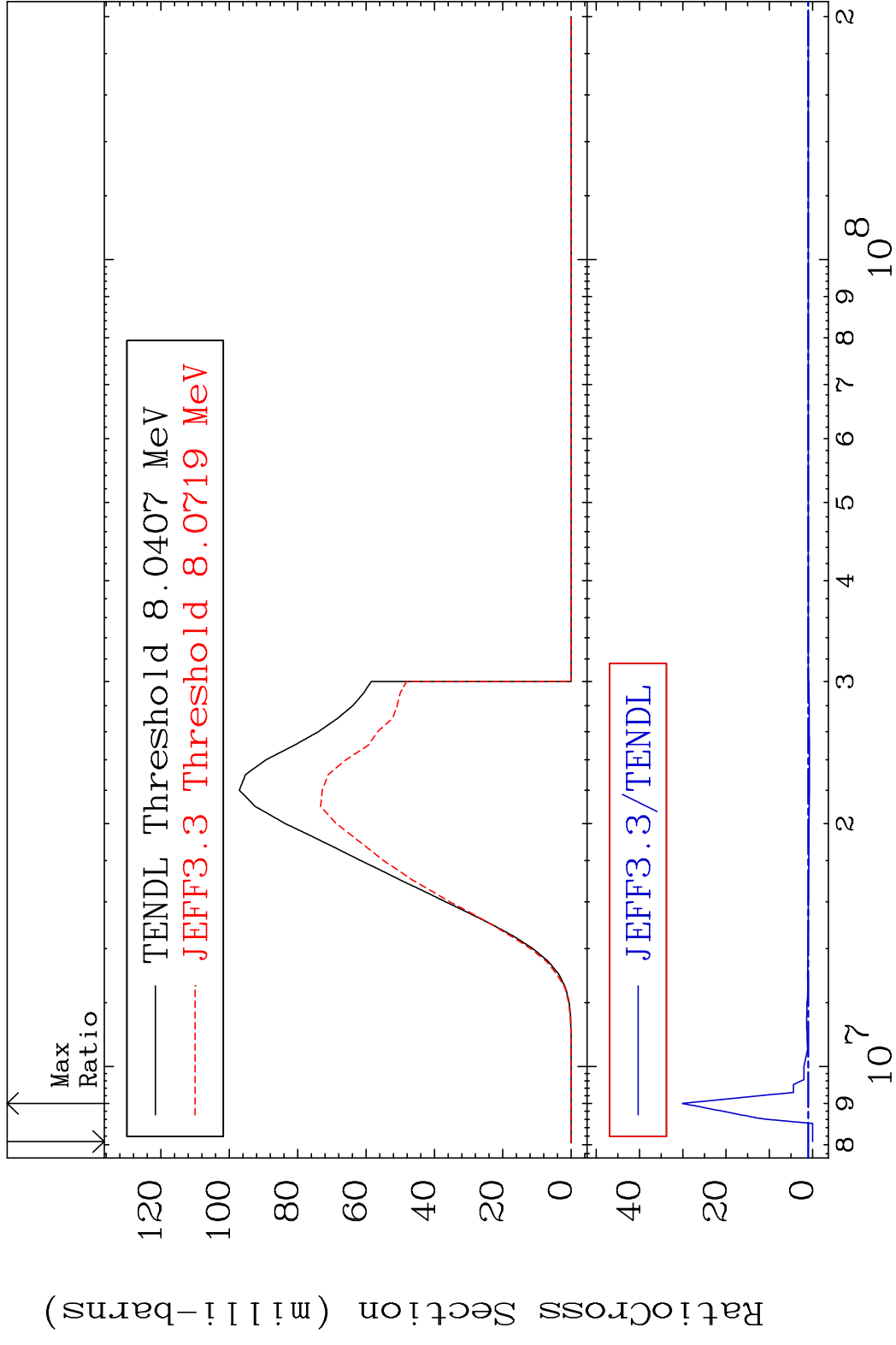
80 Incident Energy (eV) 46-Pd-103

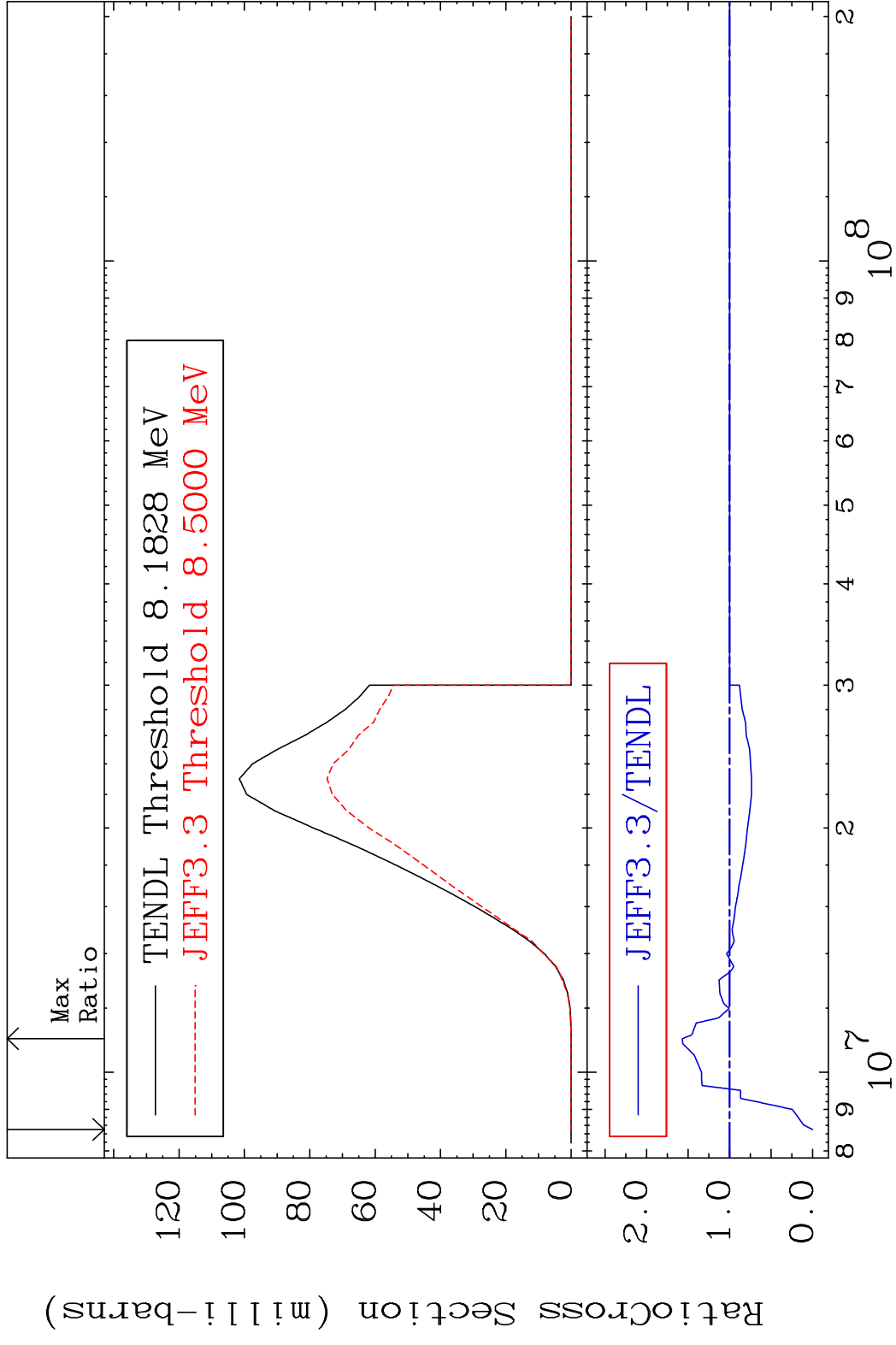
MAT 4628 (n,2n) d:45-Rh-100g 46-Pd-103  
 Radionuclide Production Cross Section 1800 d to 9999. %

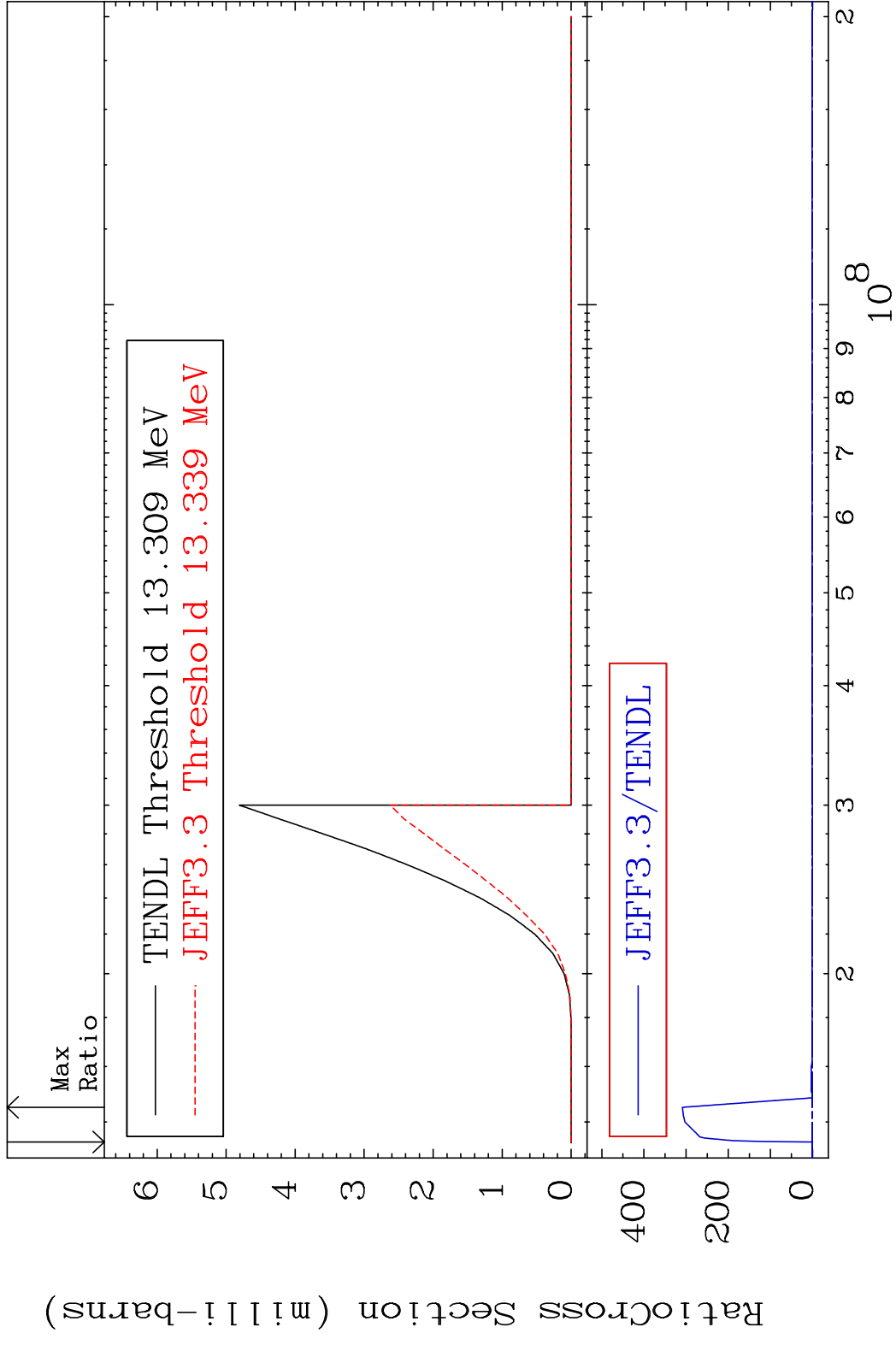


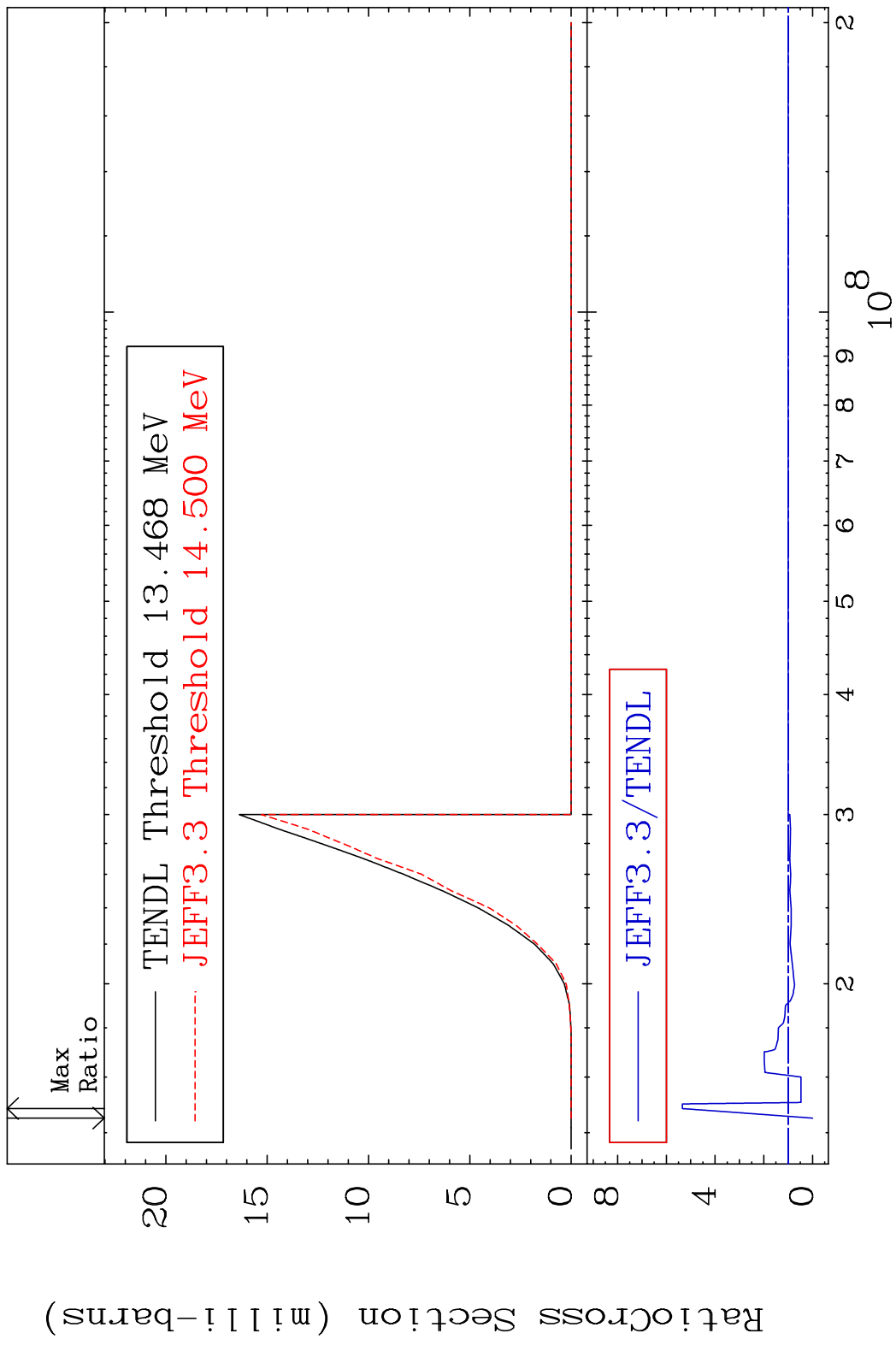


MAT 4628 (n, n') p:45-Rh-102g 46-Pd-103  
 Radionuclide Production Cross Section Ratio

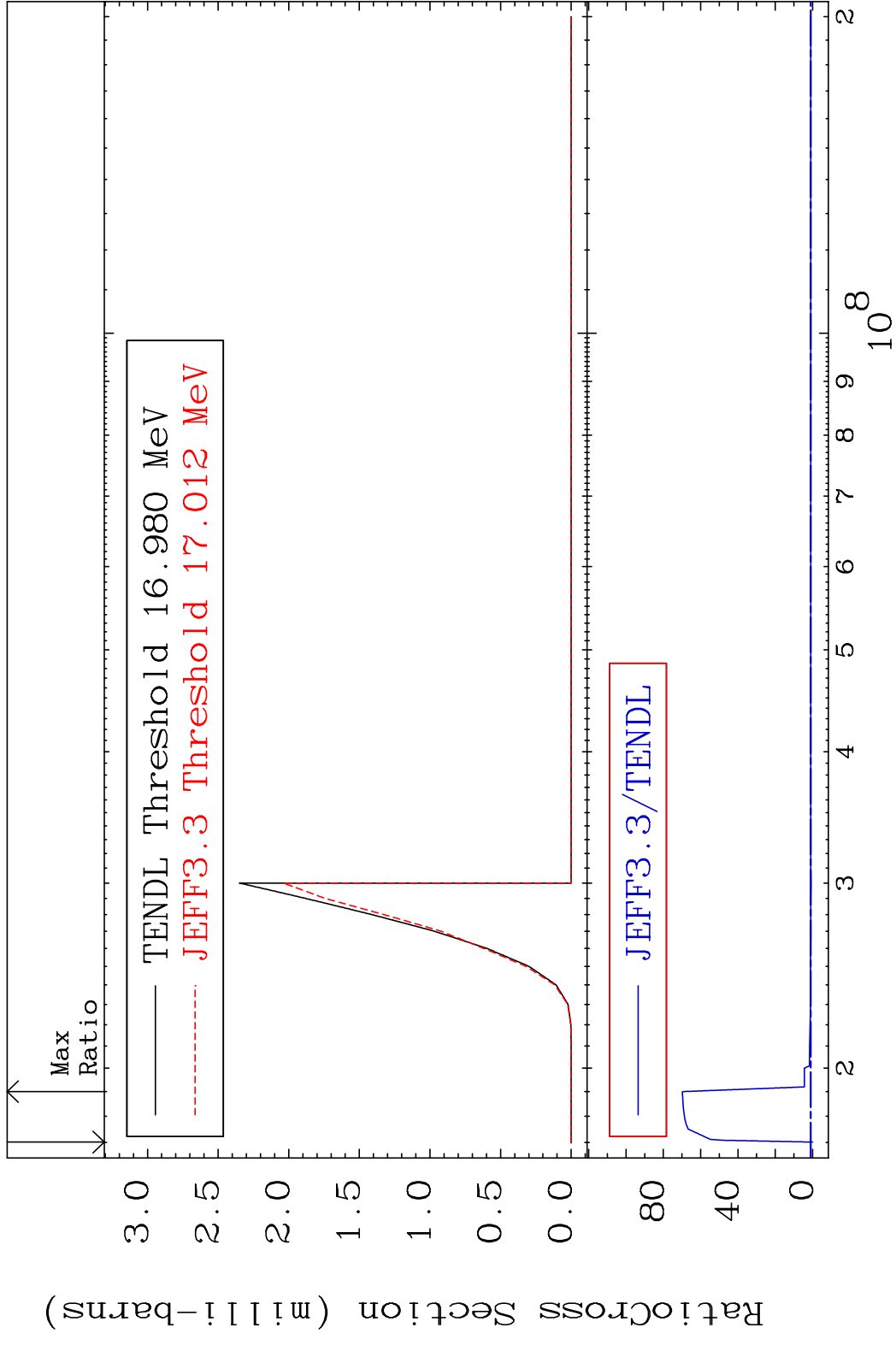




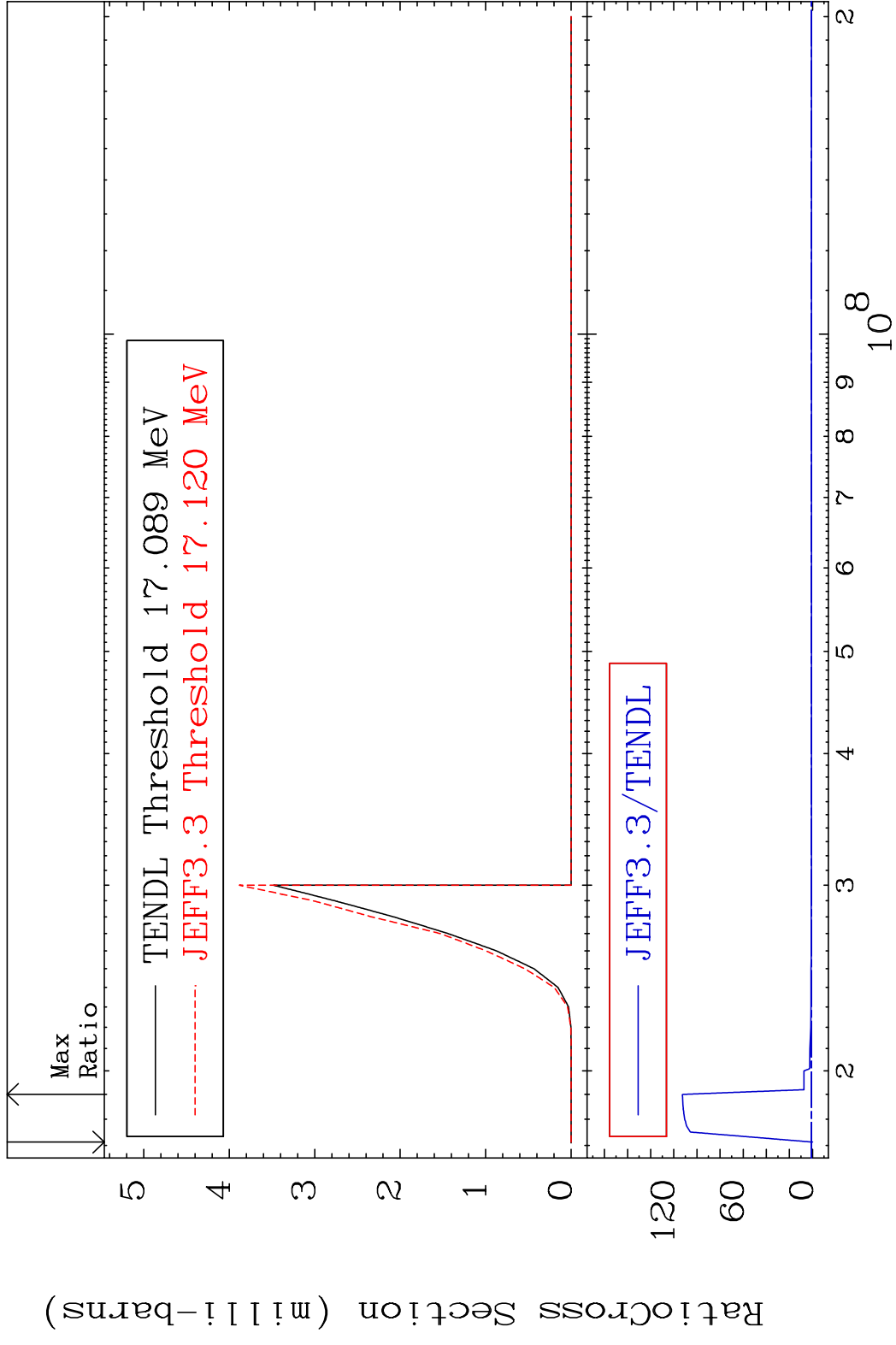




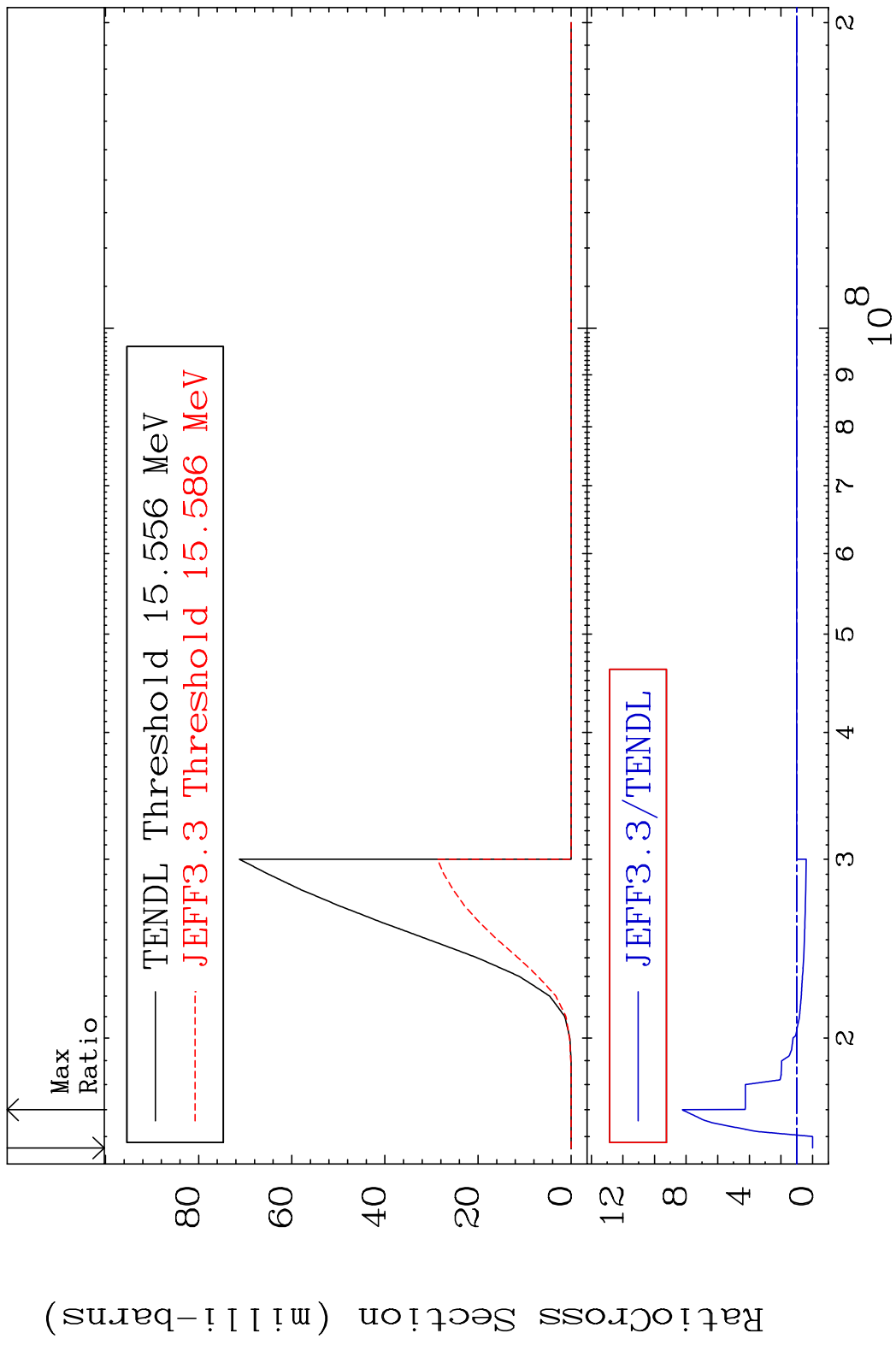
MAT 4628 (n, n') t:45-Rh-100g 46-Pd-103  
 Radionuclide Production Cross Section 6879. %

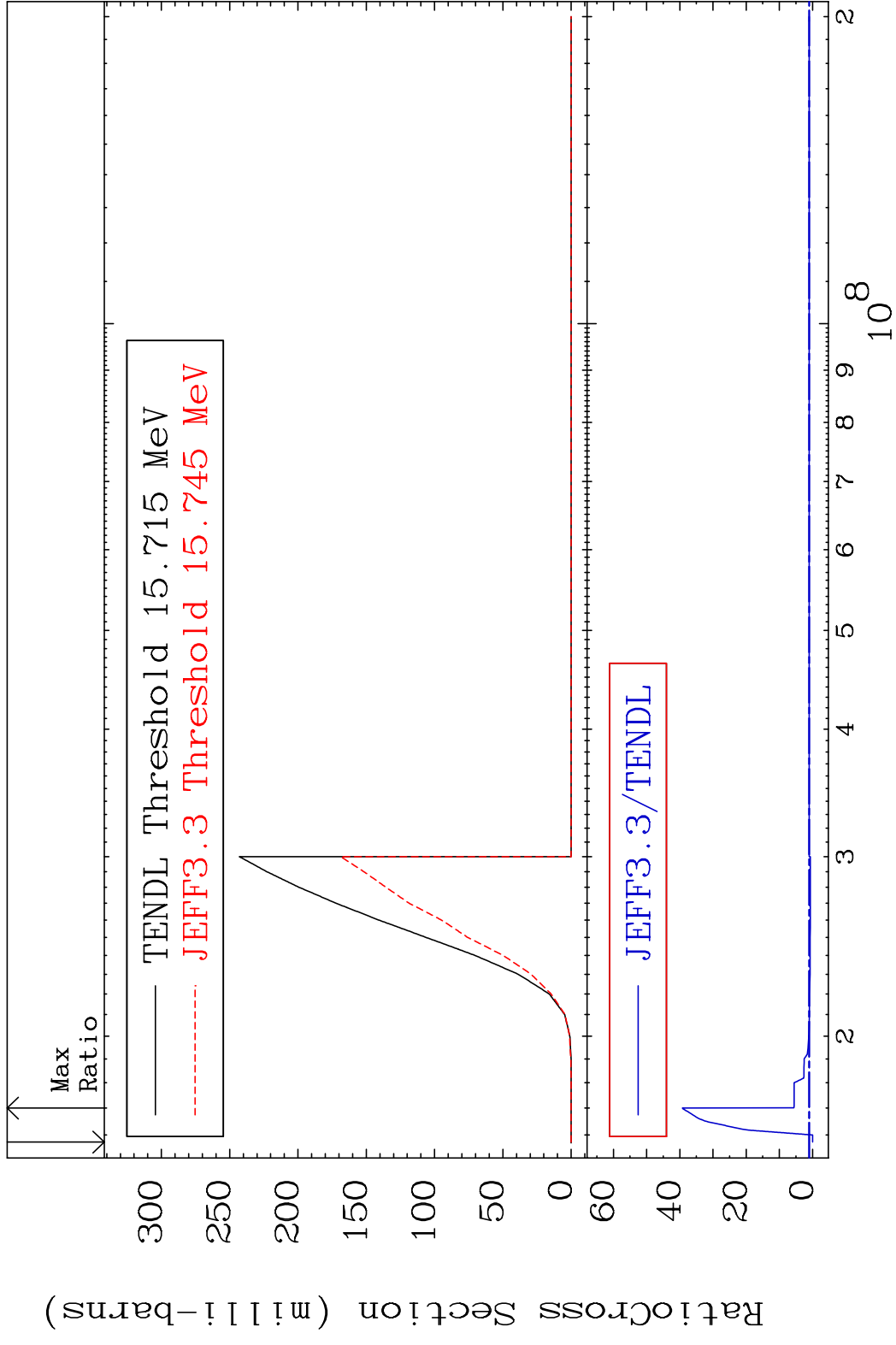


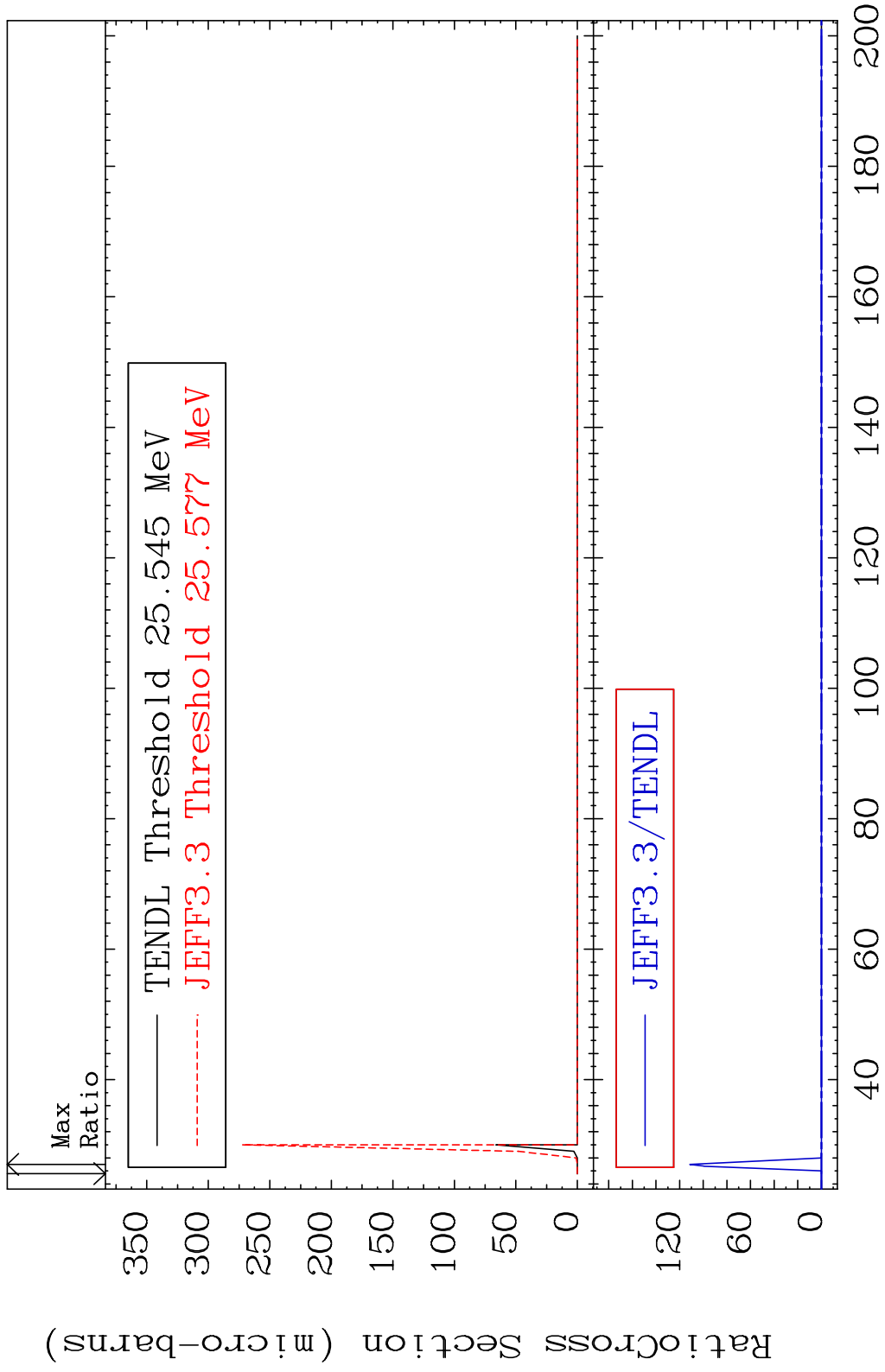


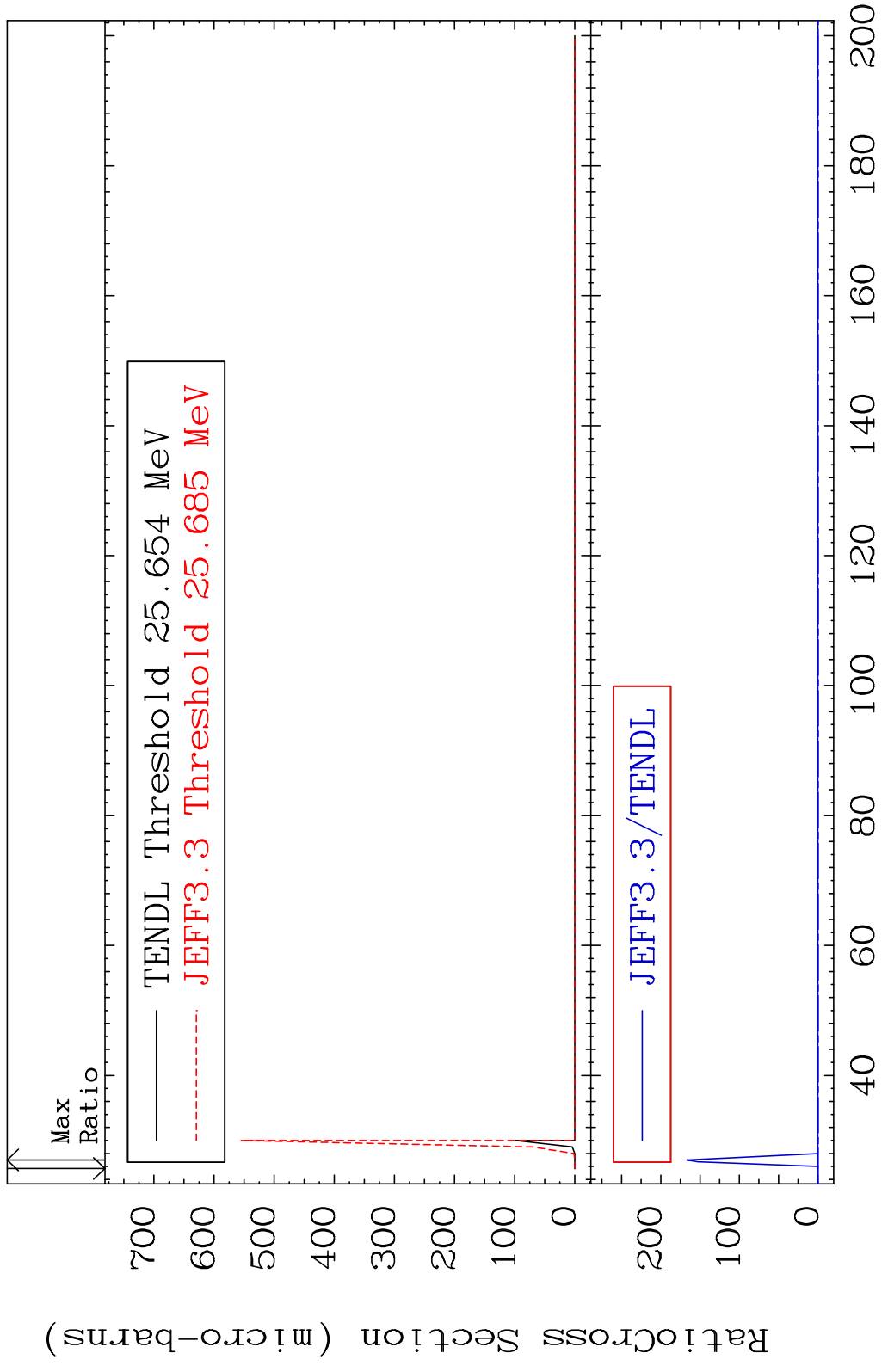


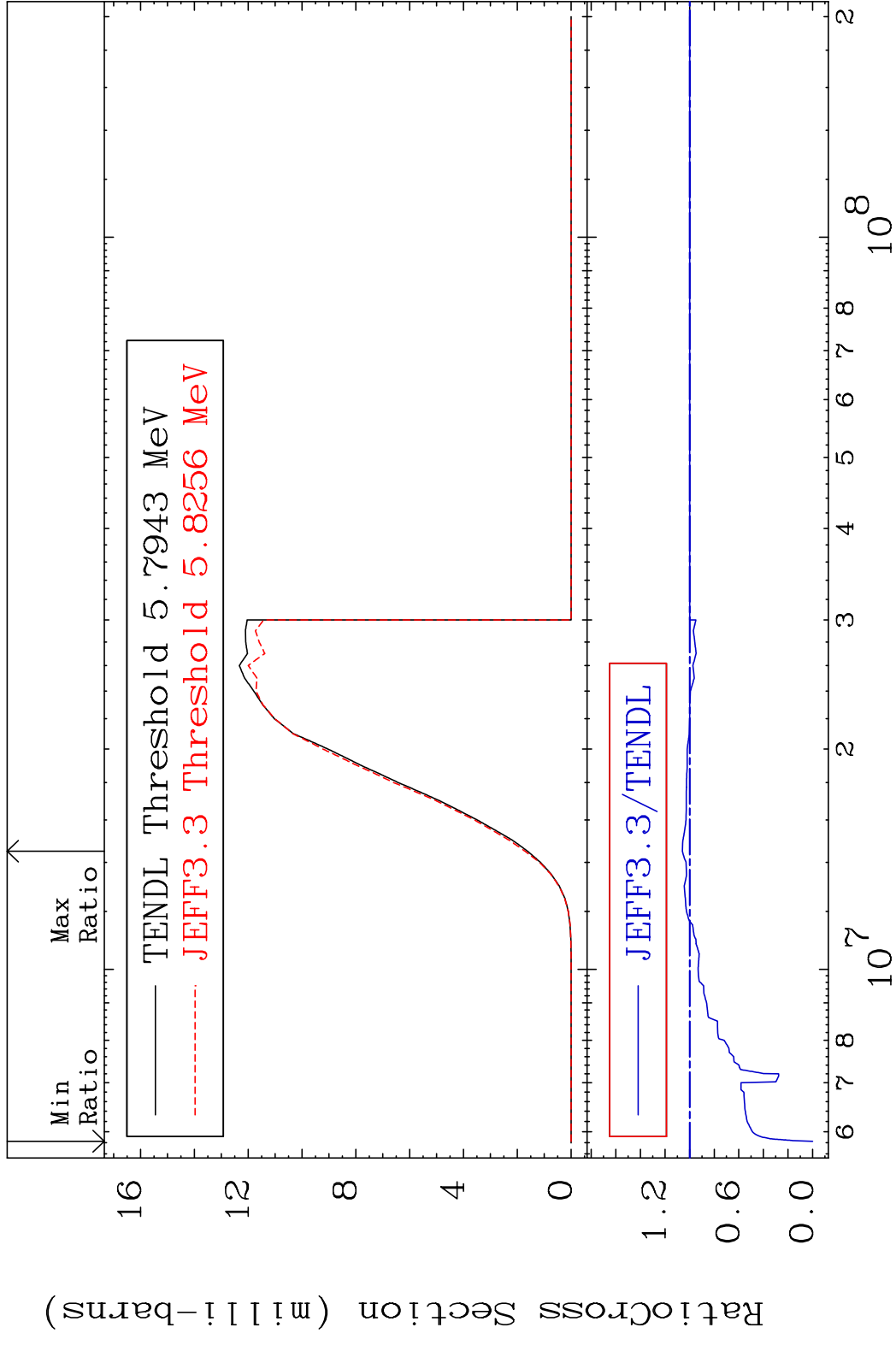
MAT 4628 (n,2n) p:45-Rh-101g 46-Pd-103  
 Radionuclide Production Cross Section 1800 dth 723.8 %

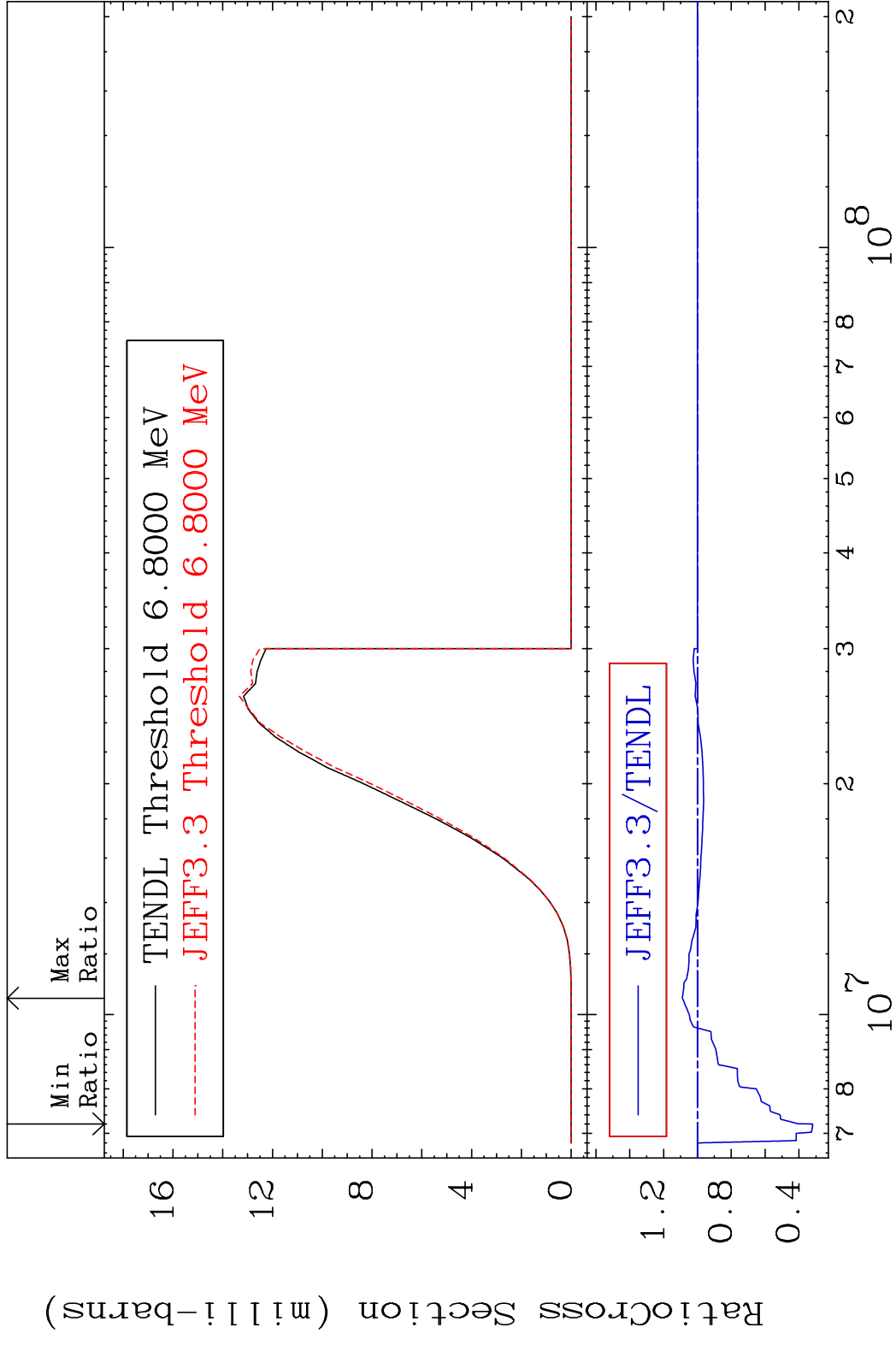




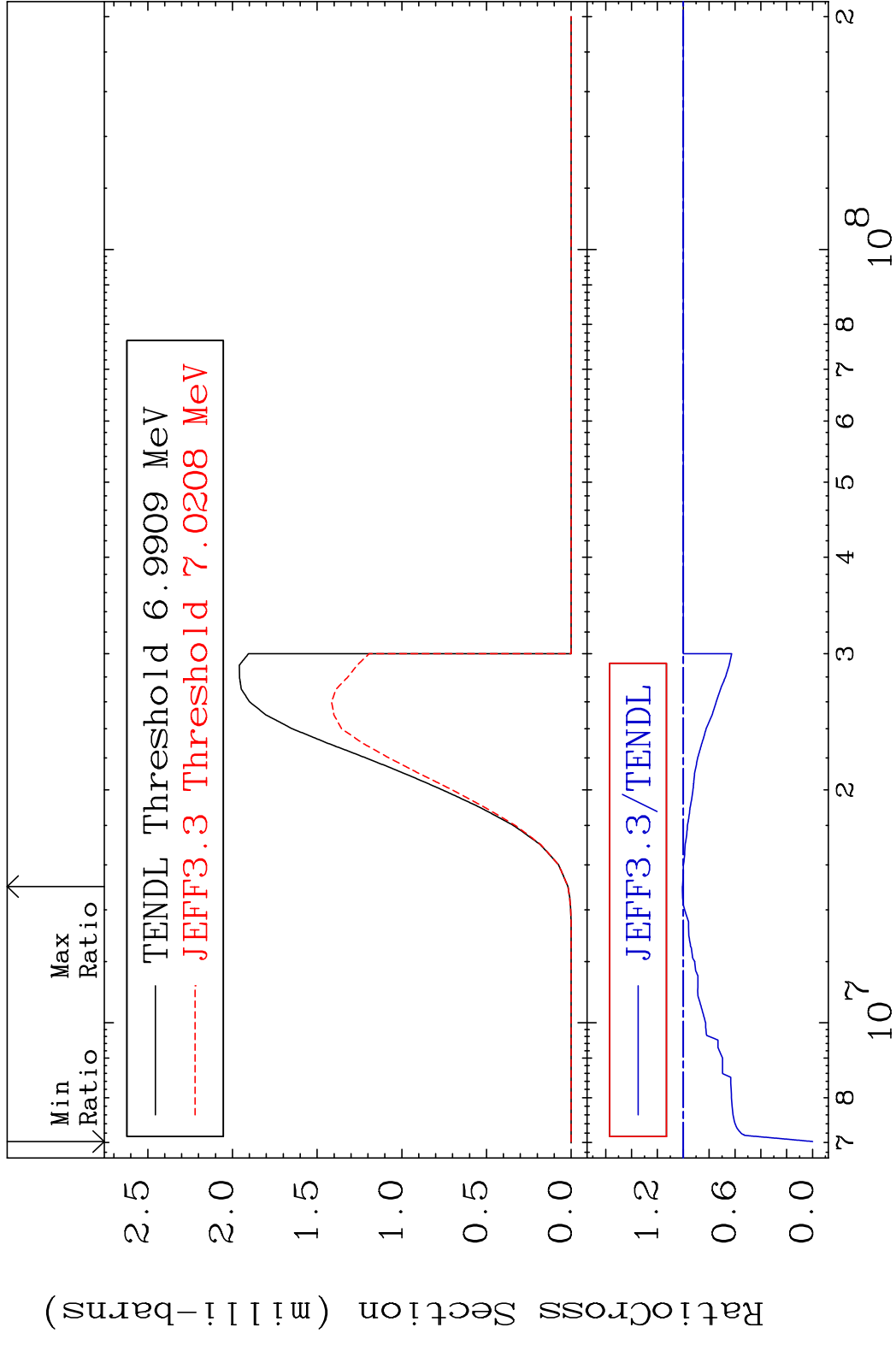








MAT 4628 (n, t): 45-Rh-101g 46-Pd-103  
 Radionuclide Production Cross Section 1800 d to 0.690 %





MAT 4628 (n, t): 45-Rh-101m1 46-Pd-103  
 Radionuclide Production Cross Section Ratio 8.675 %

