

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

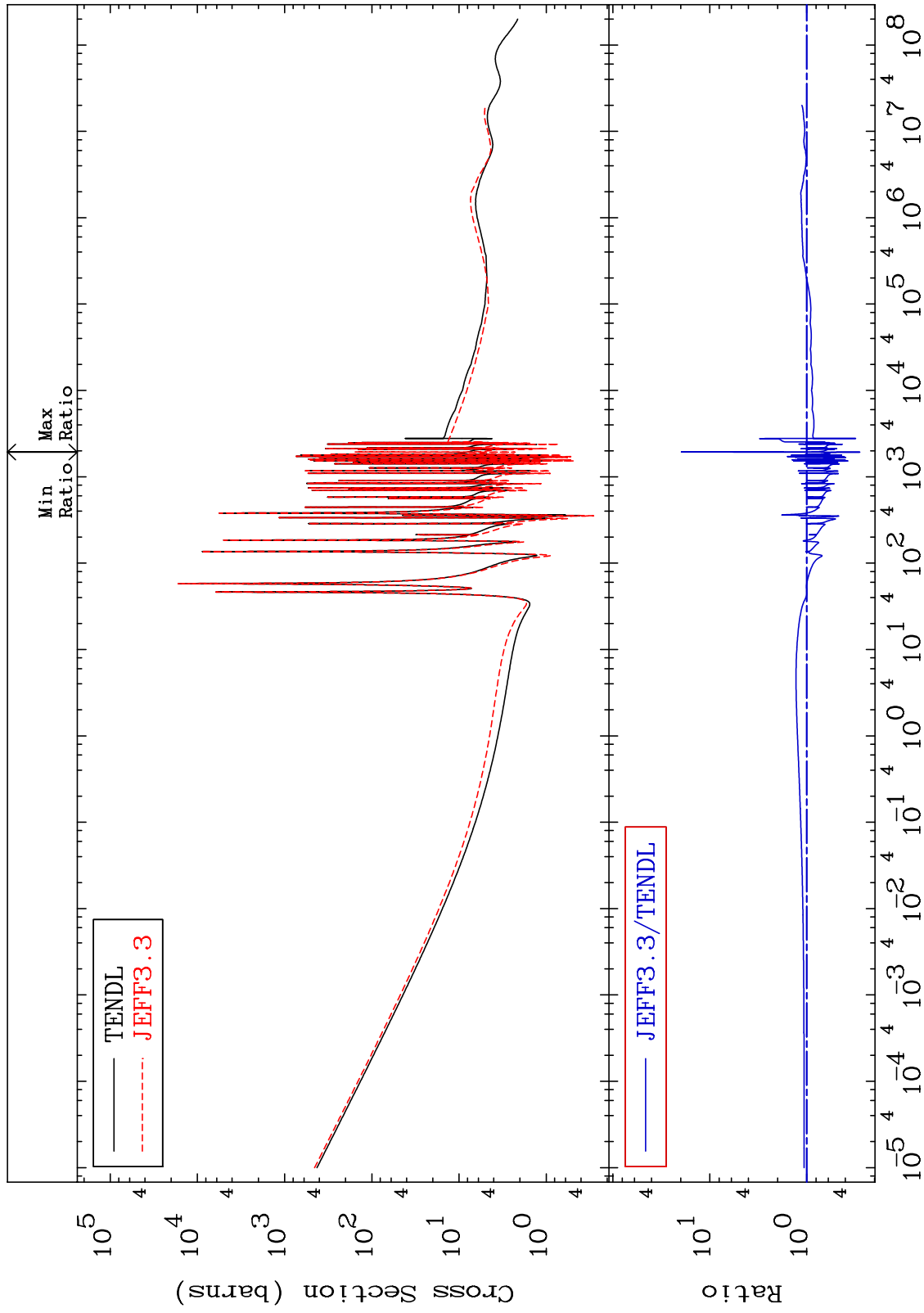
MAT 5625

Total

56-Ba-130

-71.63 To 1873. %

Cross Section



1

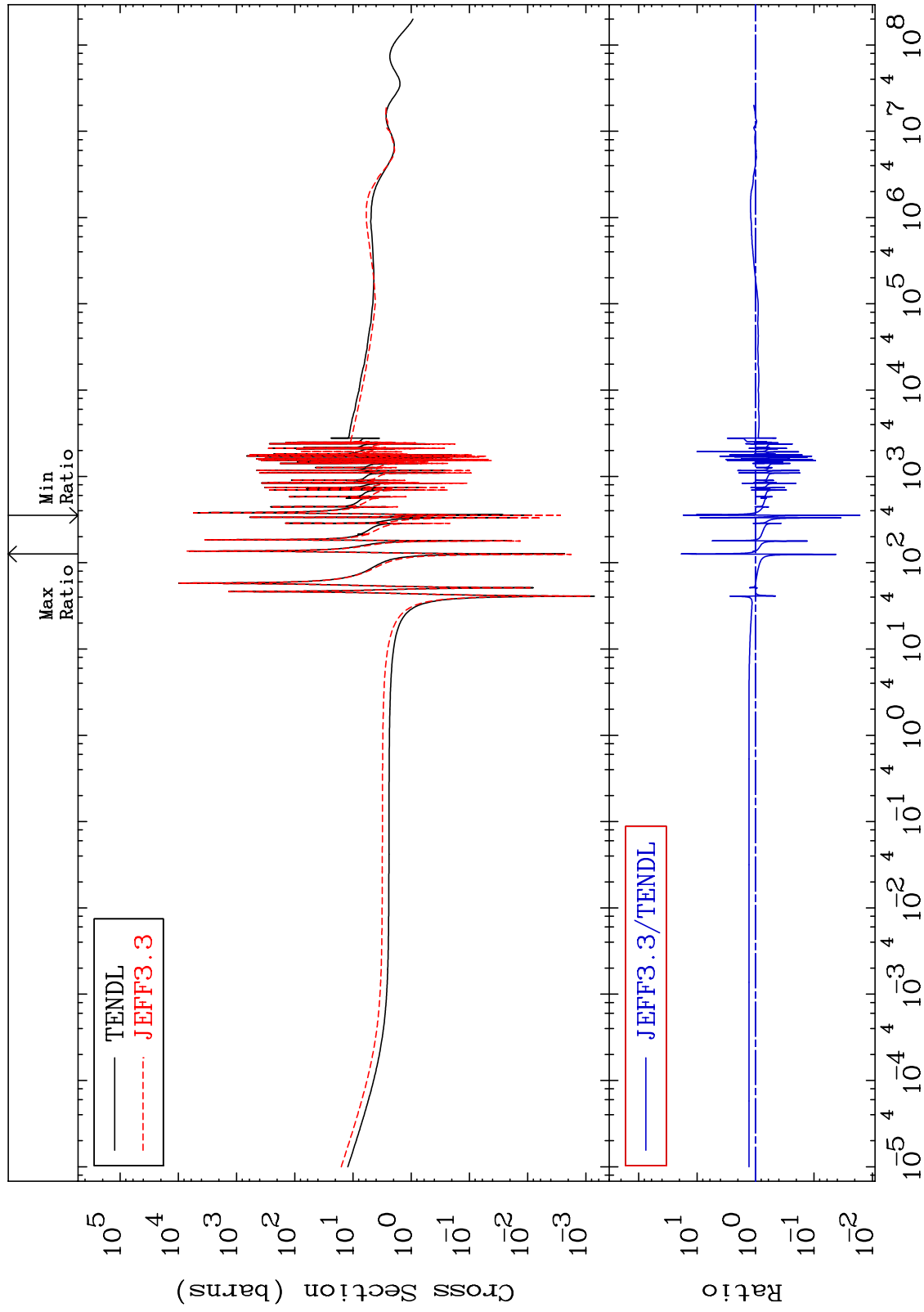
Incident Energy (eV)

56-Ba-130

MAT 5625

Elastic
Cross Section

56-Ba-130
-98.36 To 1751. %

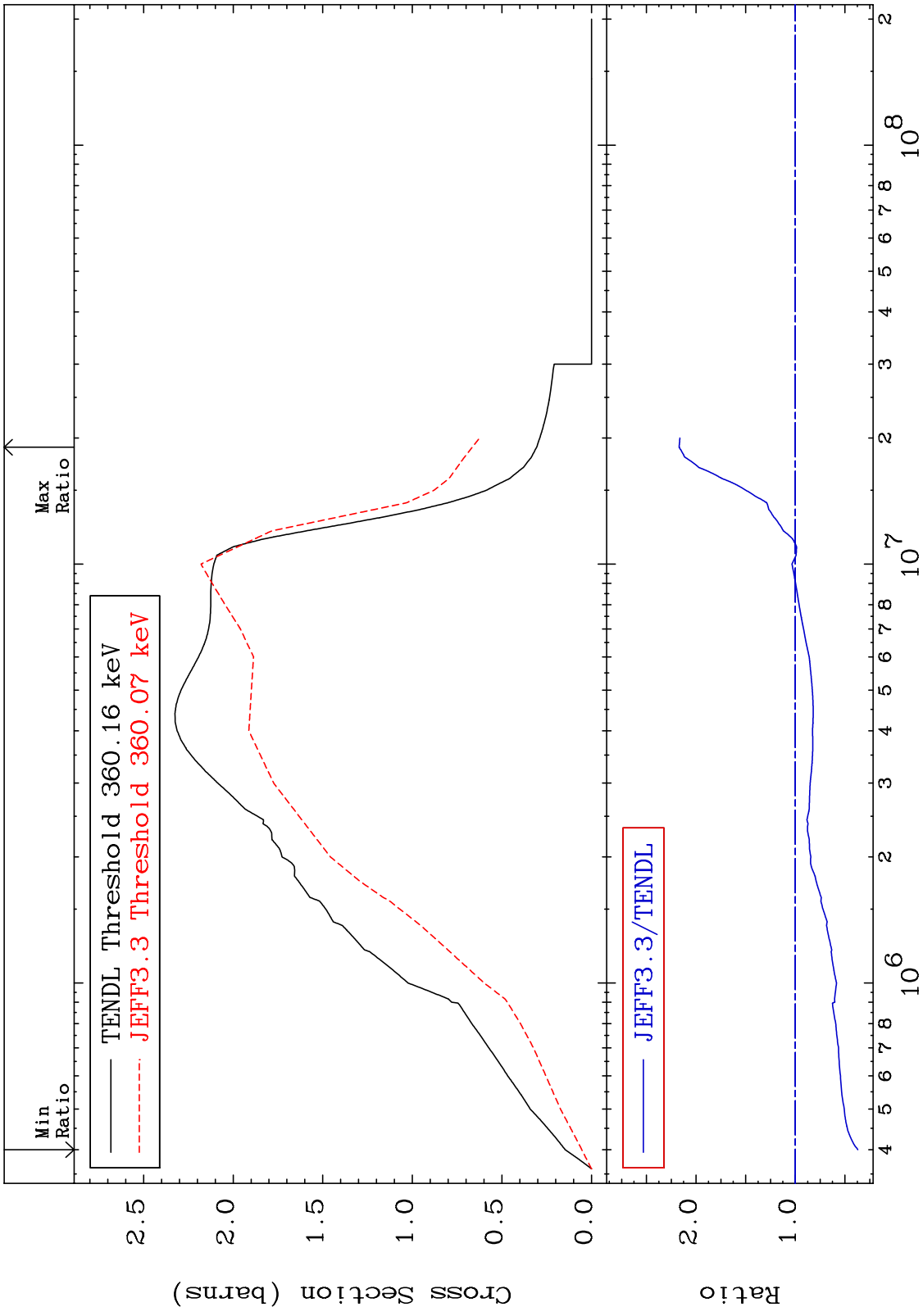


2

Incident Energy (eV)

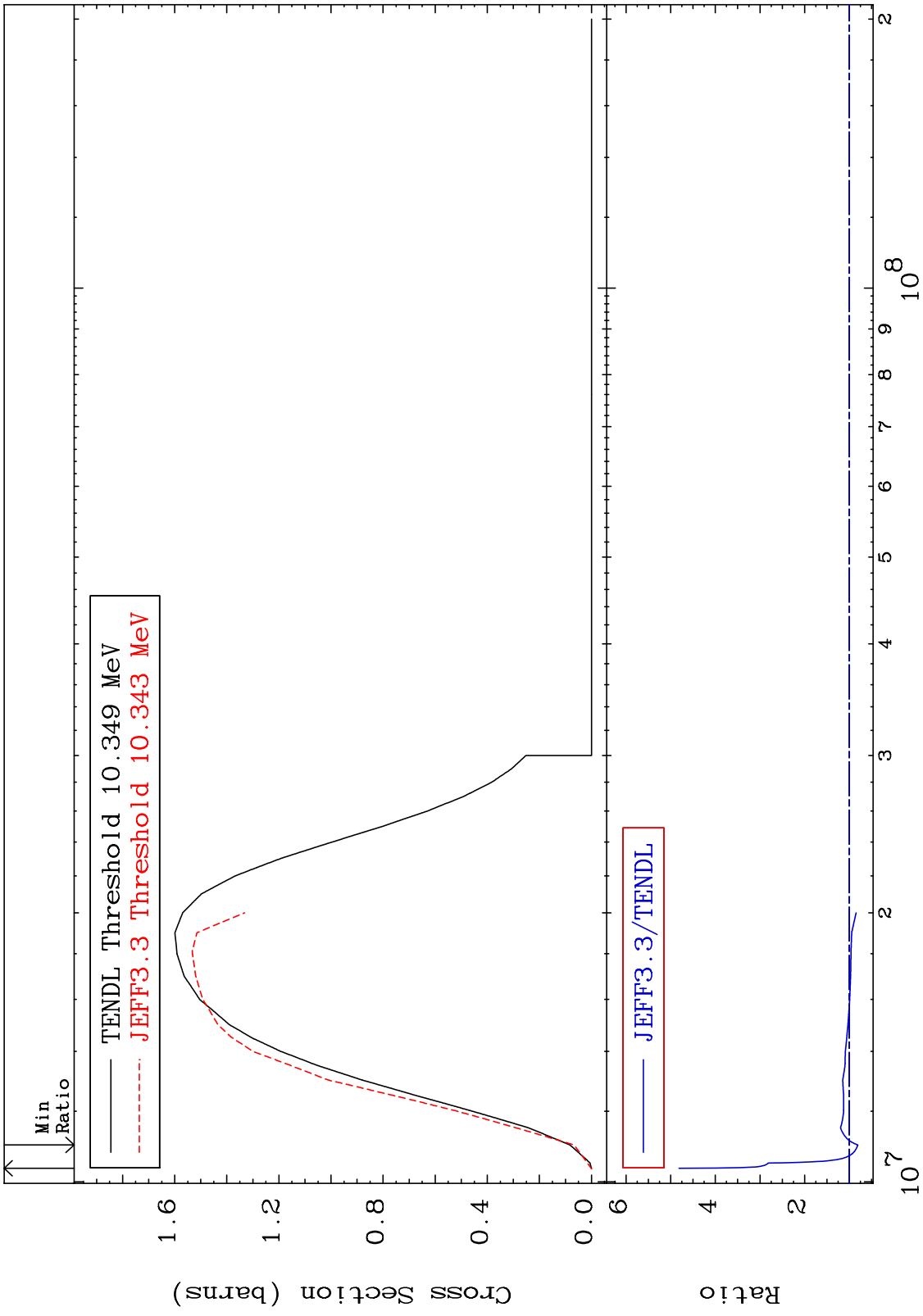
56-Ba-130

MAT 5625 56-Ba-130 -62.99 To 117.2 % Inelastic Cross Section



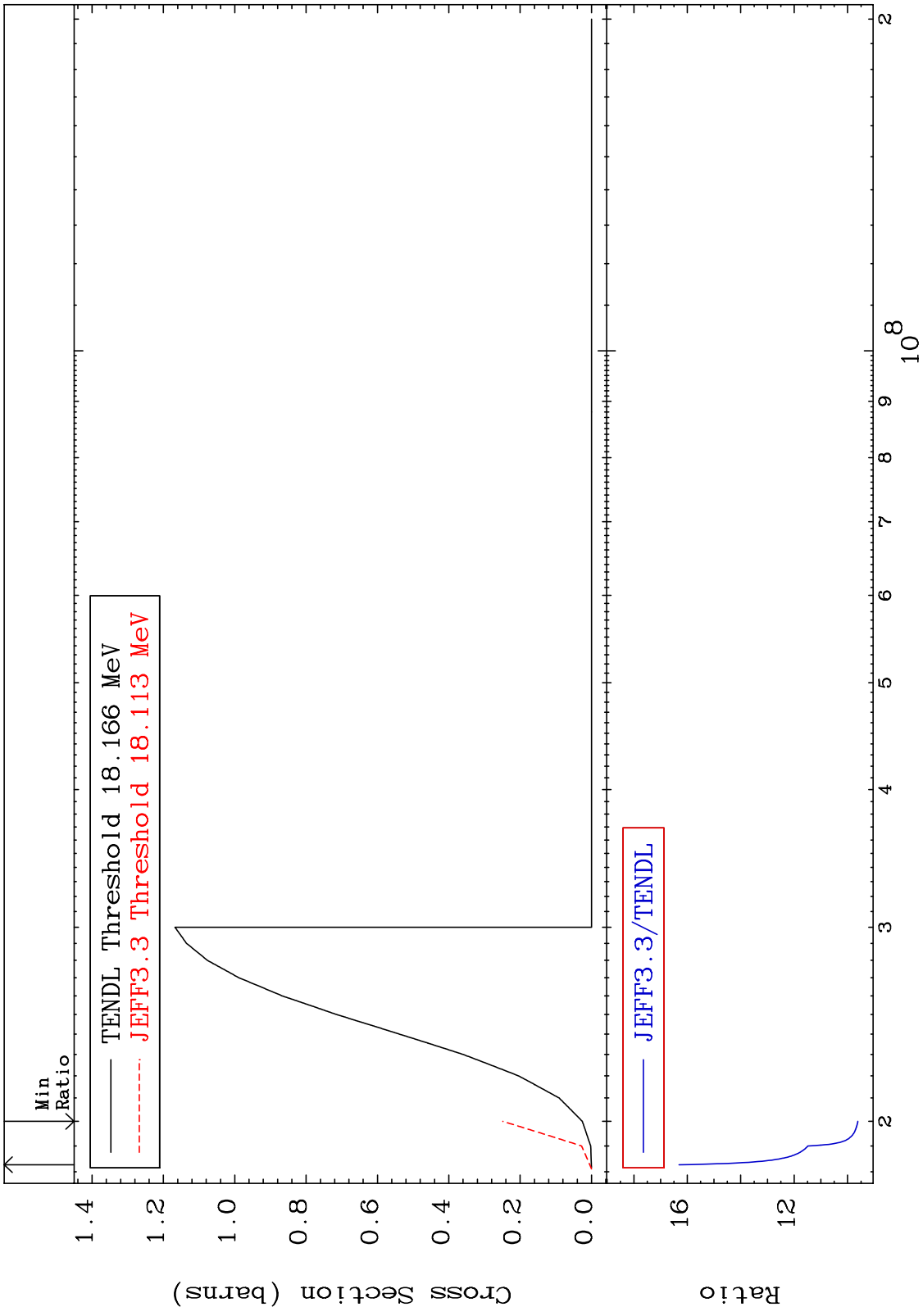
3 56-Ba-130

MAT 5625 (n,2n) Cross Section 56-Ba-130 -19.05 To 381.2 %



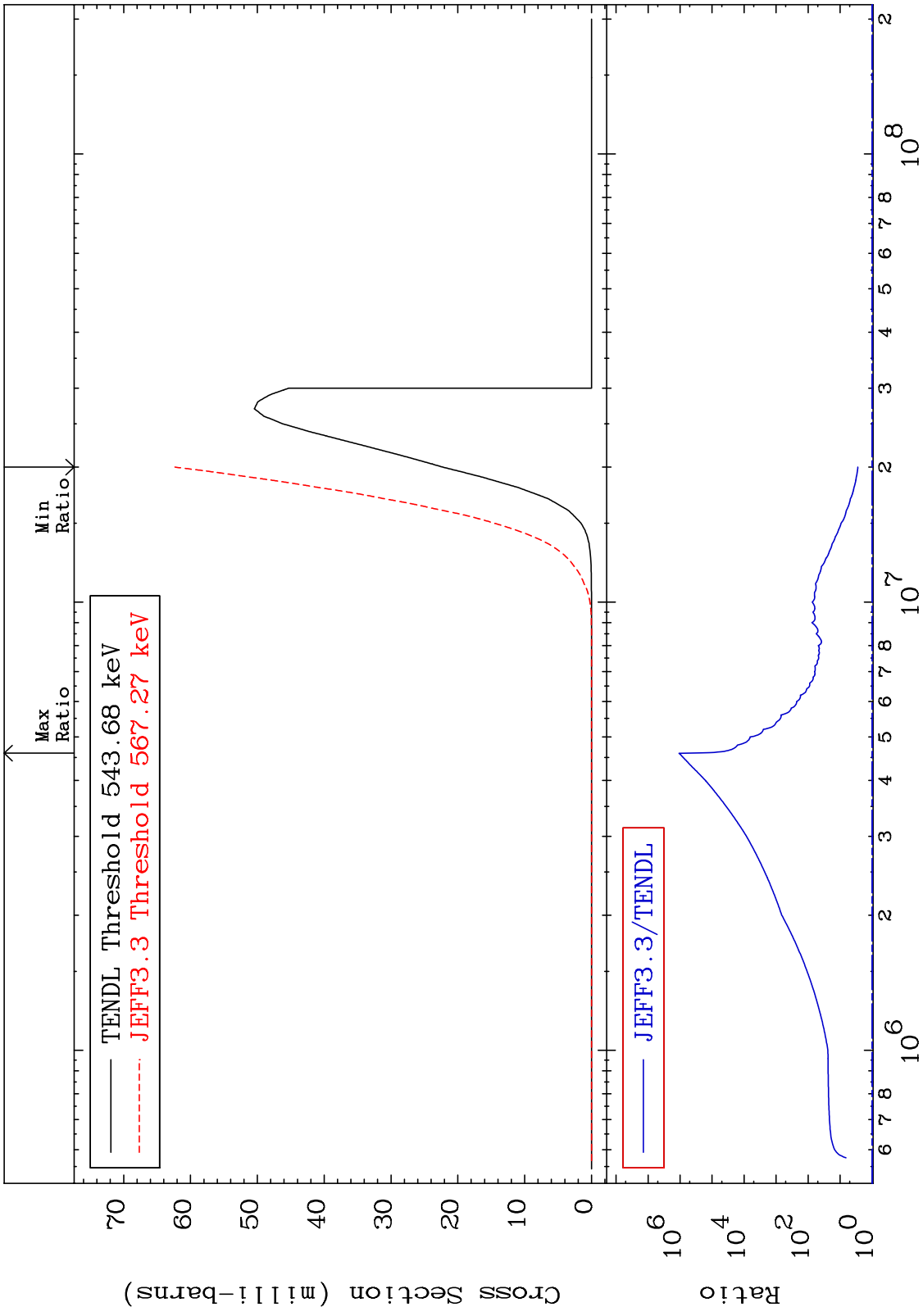
Incident Energy (eV) 56-Ba-130

MAT 5625 (n,3n) Cross Section 56-Ba-130 To 1531. %
861.7



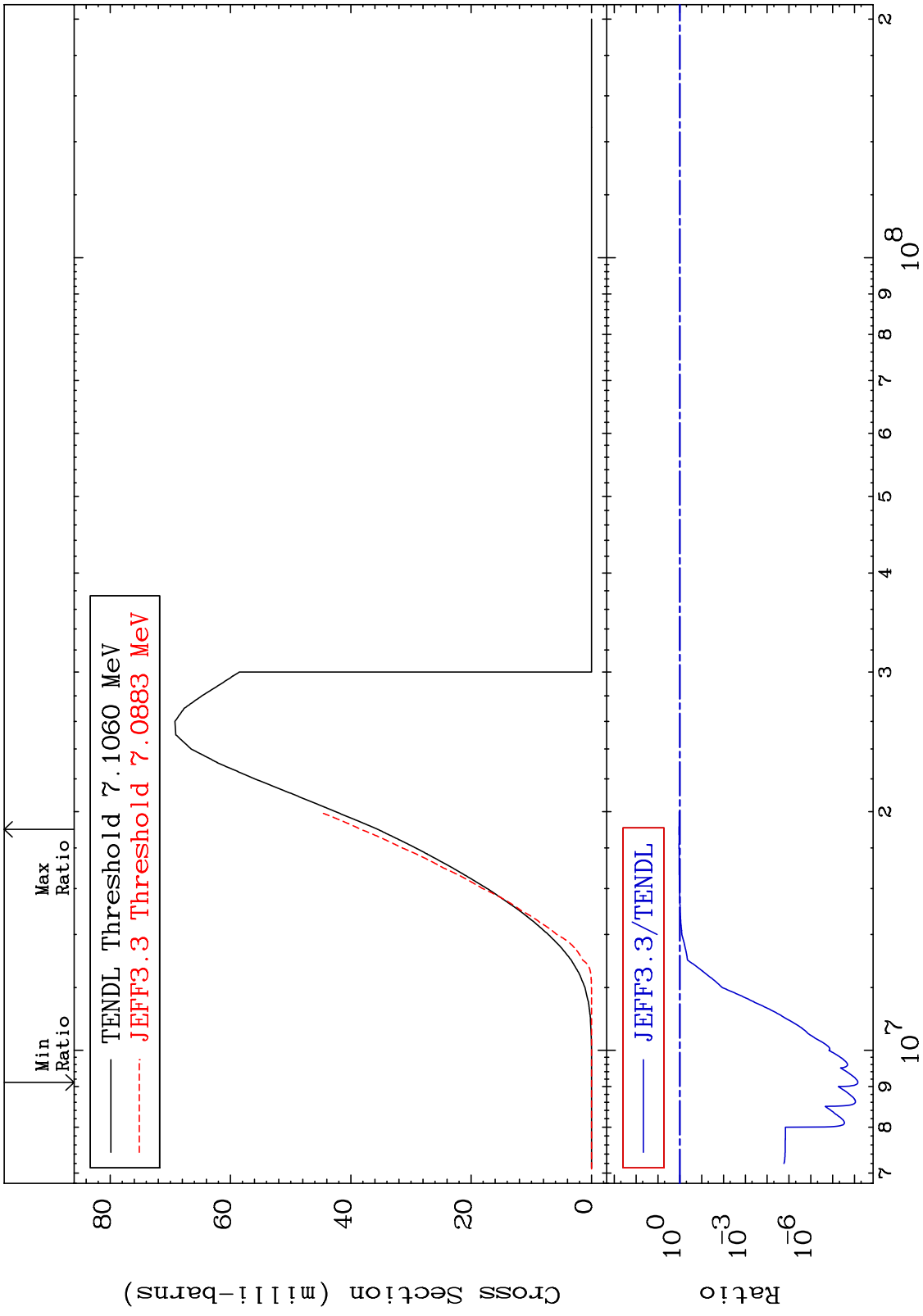
5 Incident Energy (eV) 56-Ba-130

MAT 5625 $(n, n') \alpha$ 56-Ba-130
 Cross Section 180.4 To 9999. %



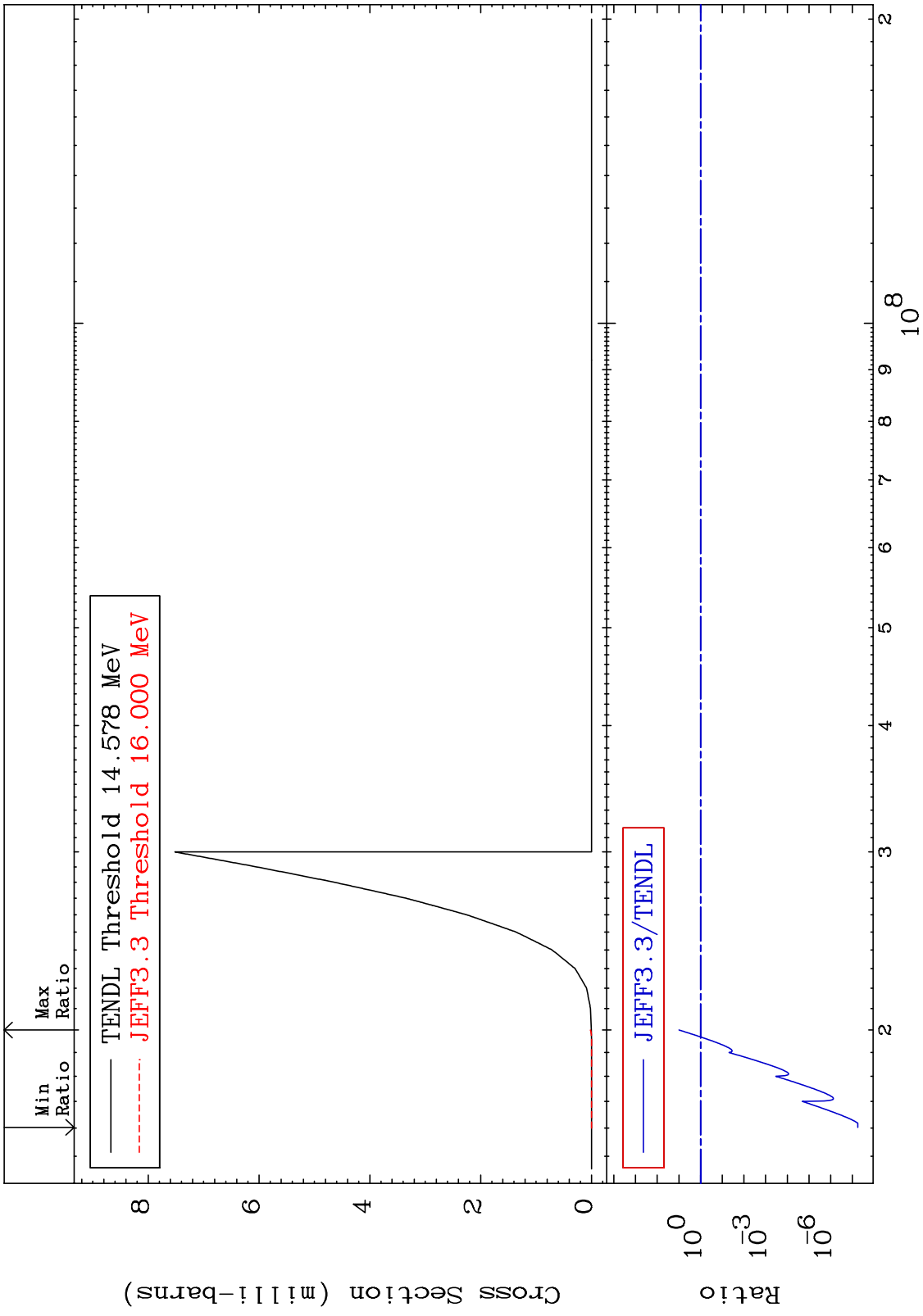
6 Incident Energy (eV) 56-Ba-130

MAT 5625 $^{56}\text{Ba-130}$ (n, n') p
Cross Section -100.0 To 7.839 %

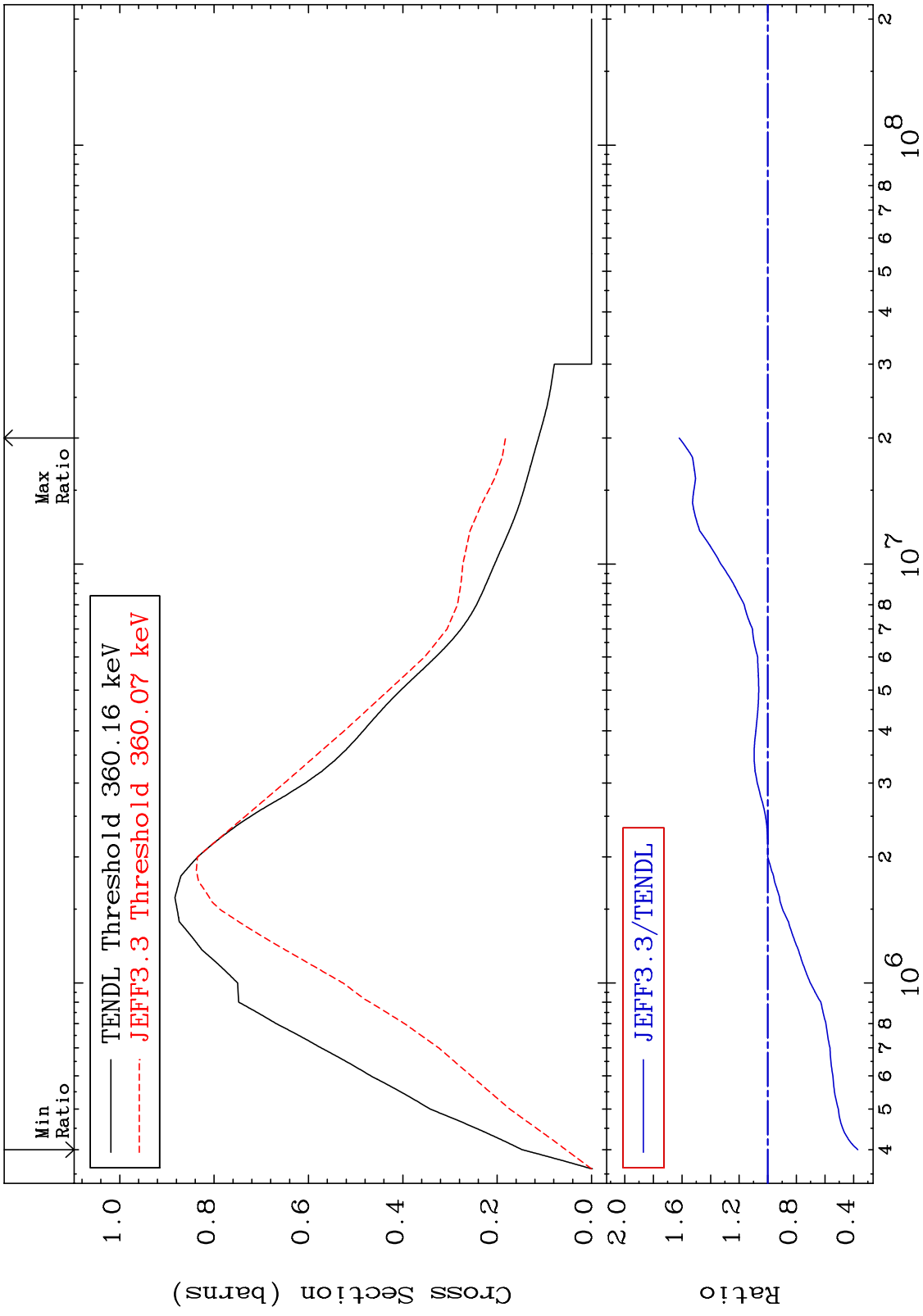


56-Ba-130 Incident Energy (eV) 56-Ba-130

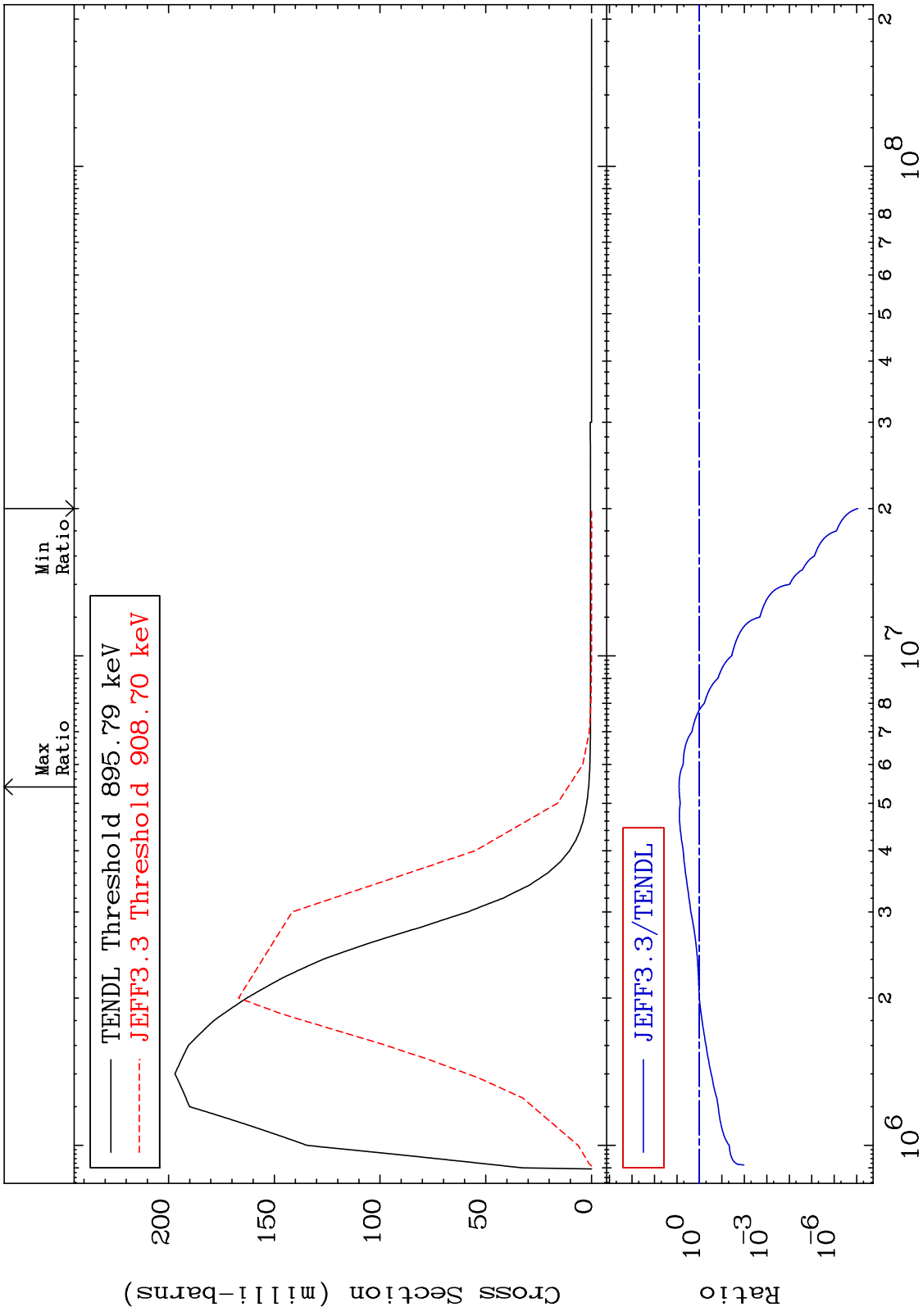
MAT 5625 (n,n') d 56-Ba-130
Cross Section -100.0 To 885.6 %



MAT 5625 MT= 51 (n,n') Level Cross Section 56-Ba-130
 -62.99 To 62.05 %

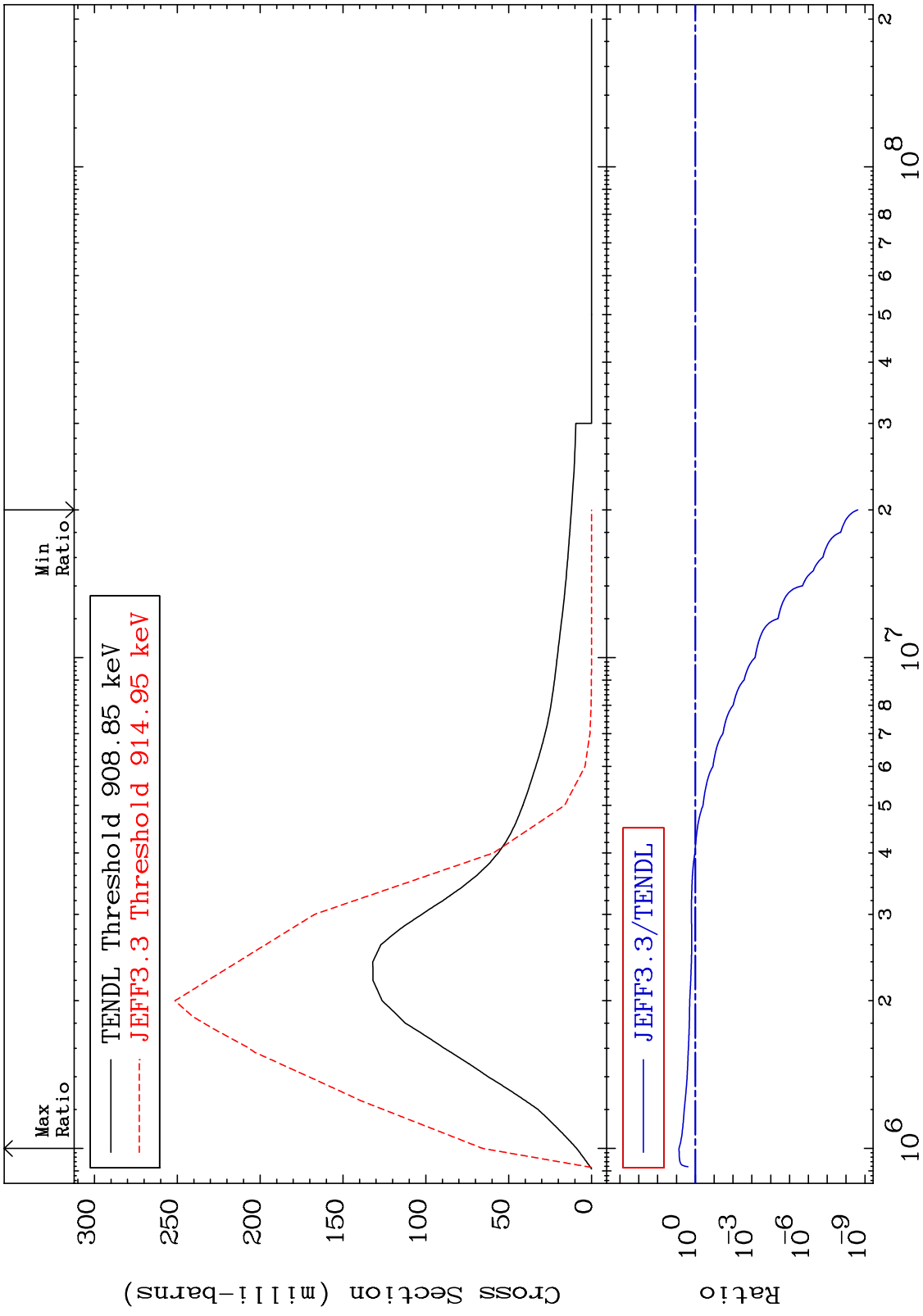


MAT 5625 MT= 52 (n,n') Level Cross Section 56-Ba-130 -100.0 To 705.8 %



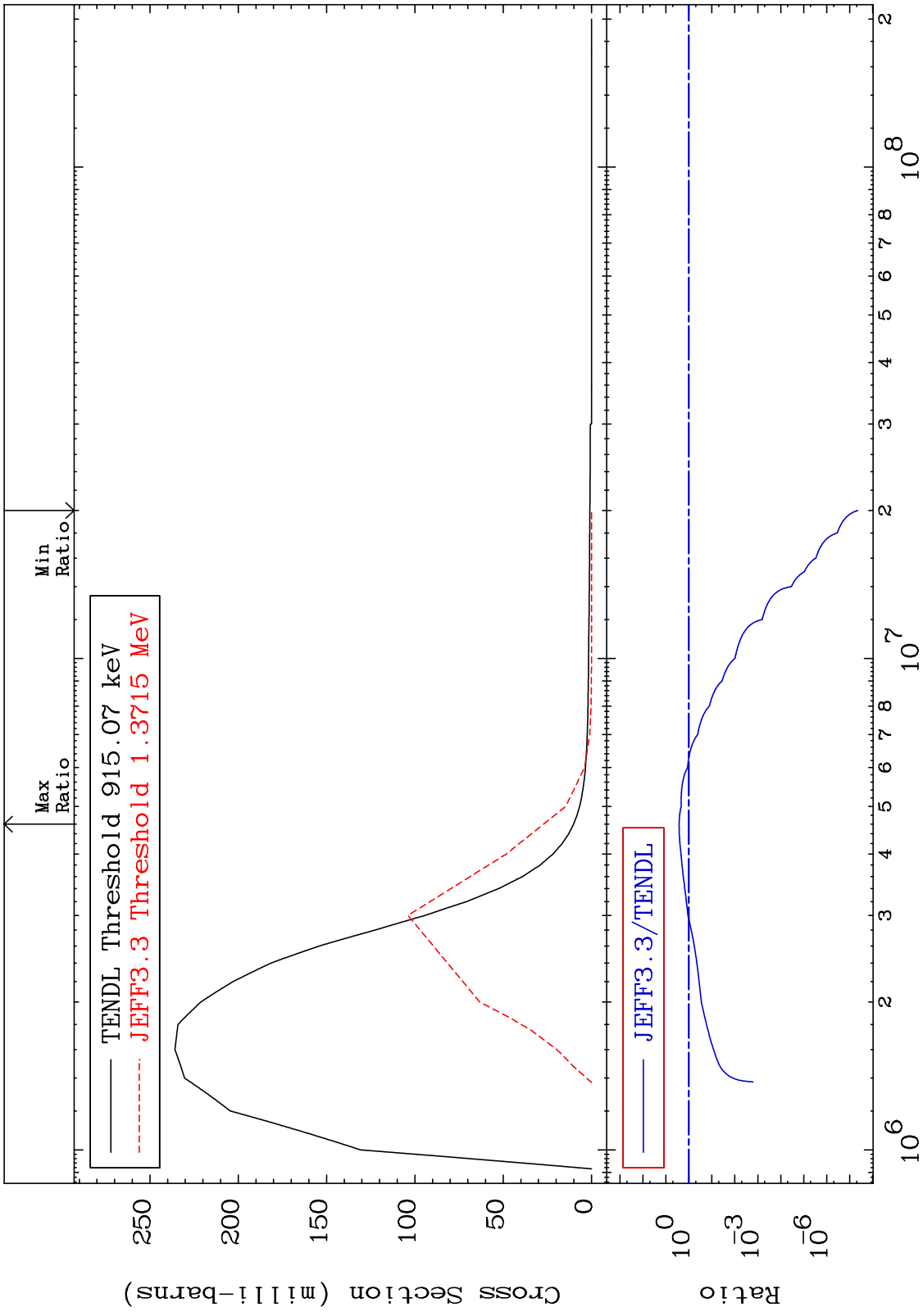
Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 53 (n,n') Level Cross Section 56-Ba-130 -100.0 To 632.2 %



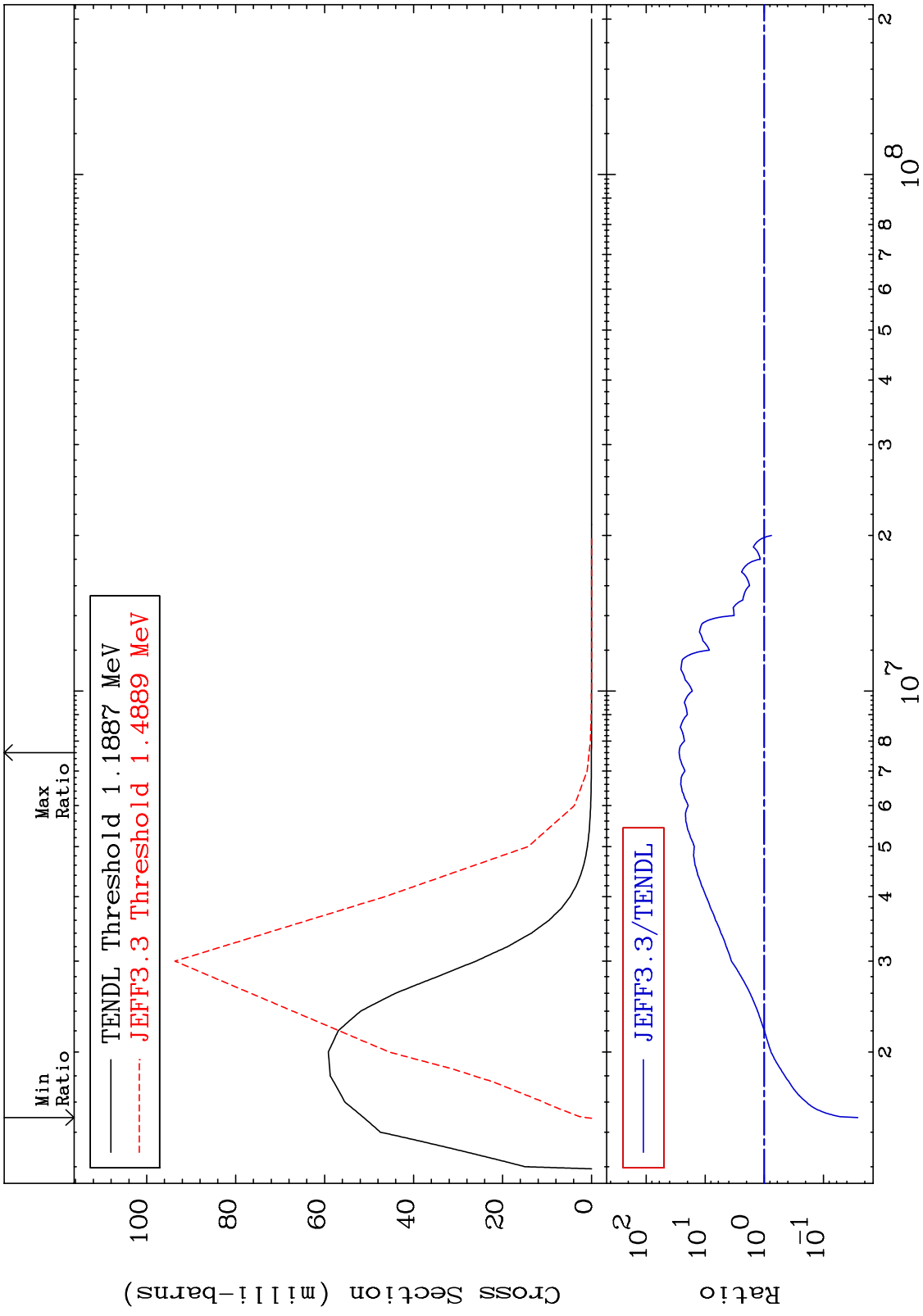
11 Incident Energy (eV) 56-Ba-130

MAT 5625 MT= 54 (n,n') Level Cross Section 56-Ba-130
 -100.0 To 167.8 %

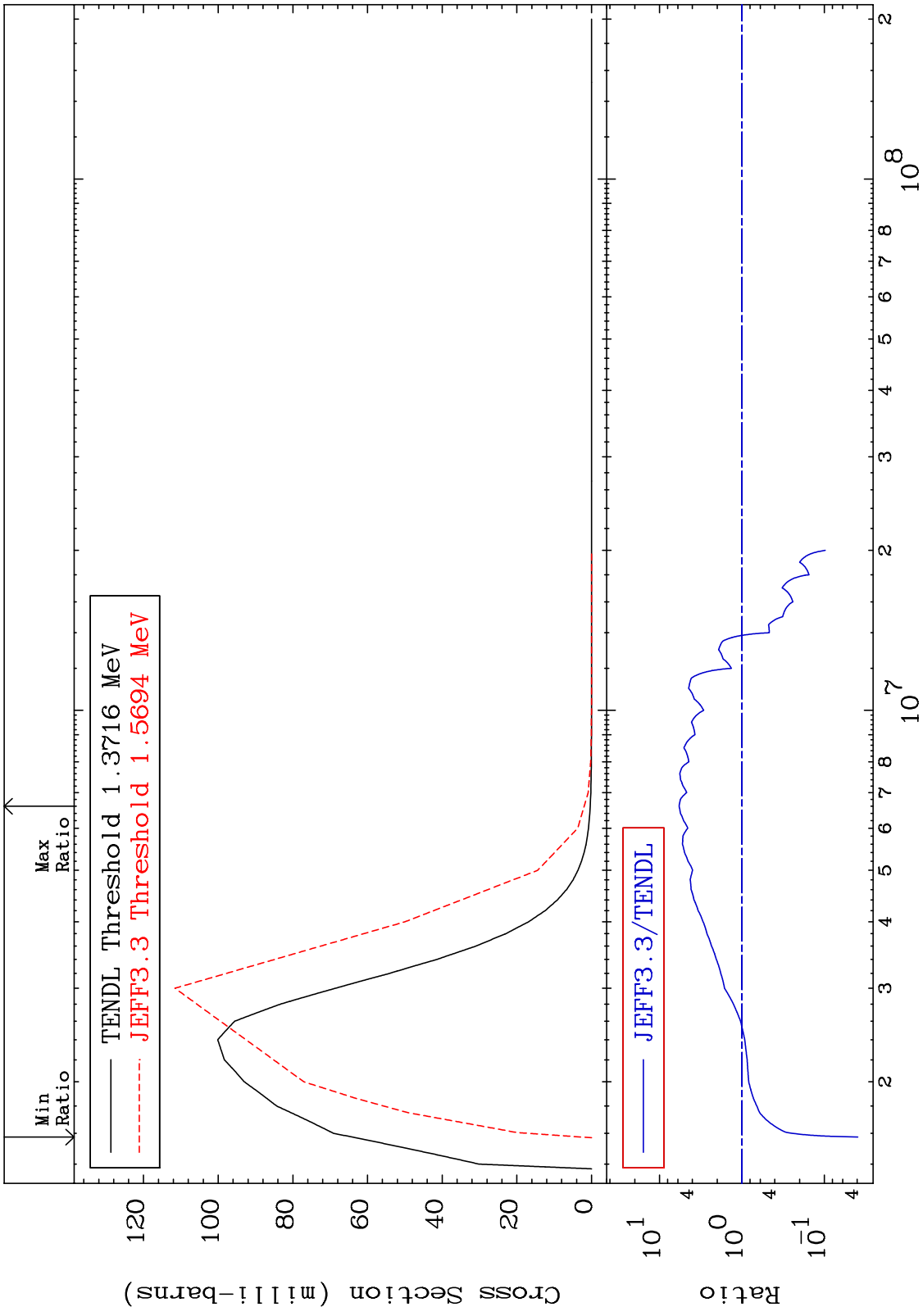


12 Incident Energy (eV) 56-Ba-130

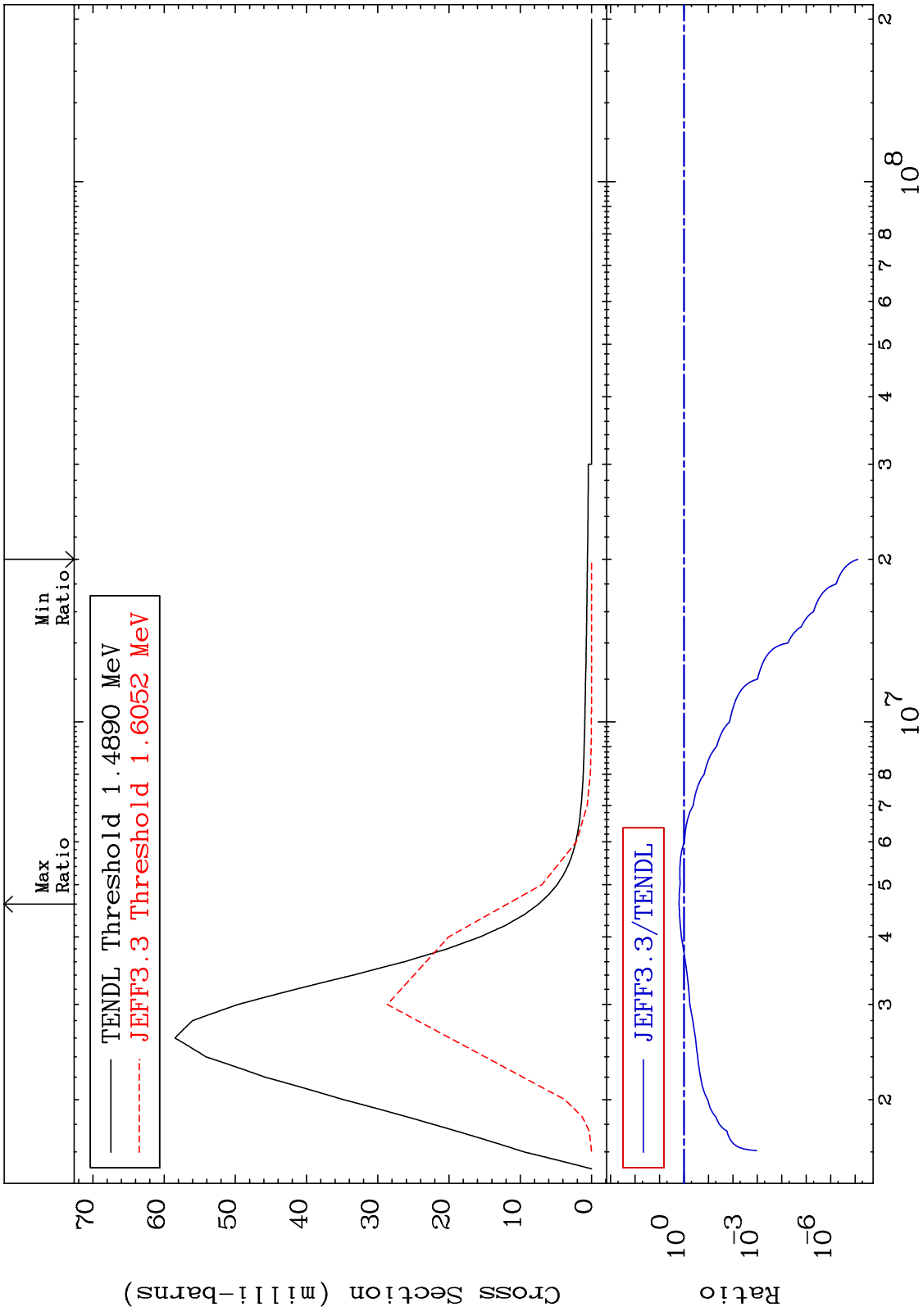
MAT 5625 MT= 55 (n,n') Level Cross Section 56-Ba-130 -97.39 To 2669. %



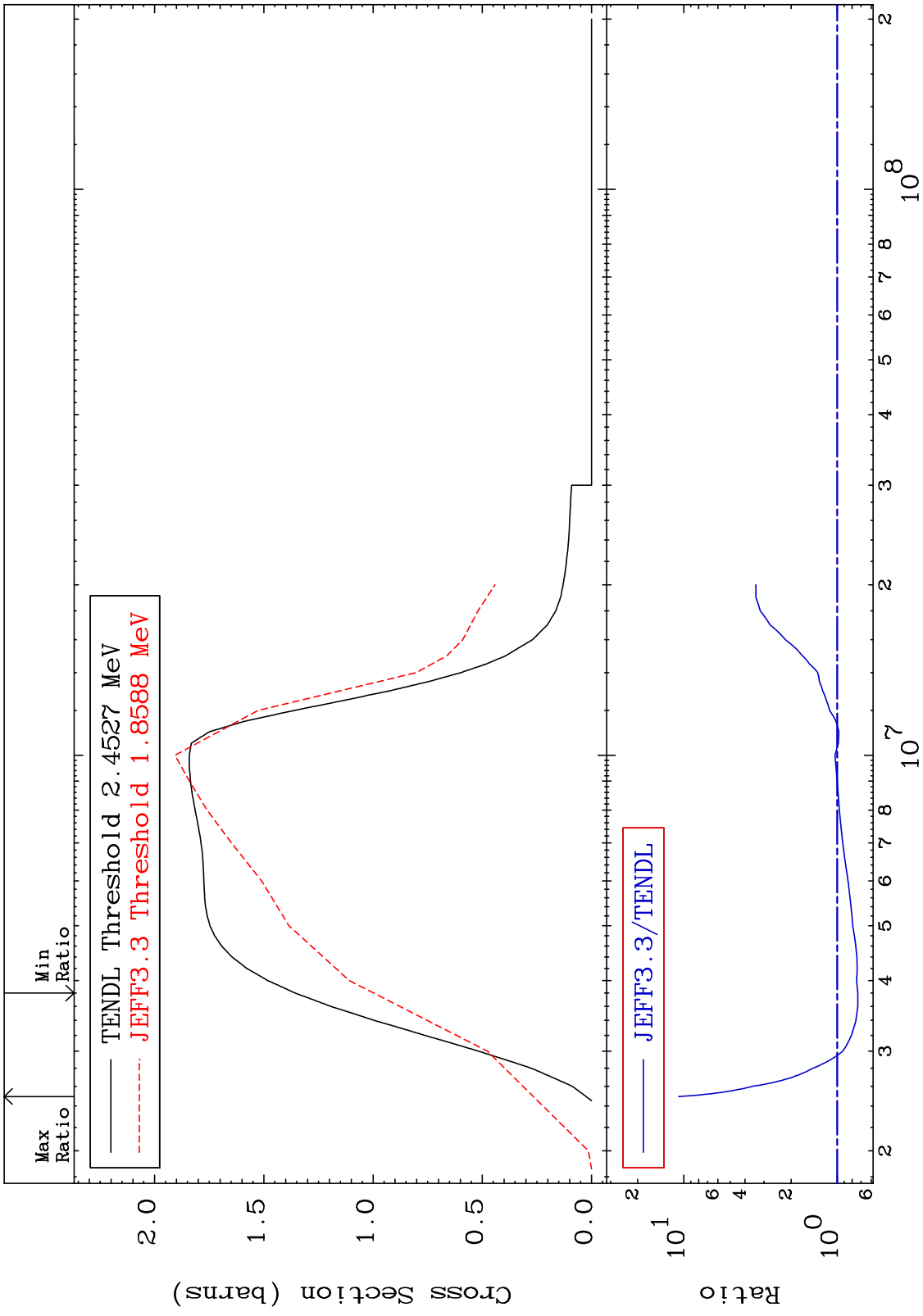
MAT 5625 MT= 56 (n,n') Level Cross Section 56-Ba-130 -96.07 To 480.0 %



MAT 5625 MT= 57 (n, n') Level Cross Section 56-Ba-130 -100.0 To 59.34 %



MAT 5625 (n,n') Continuum Cross Section 56-Ba-130 -26.52 To 974.4 %



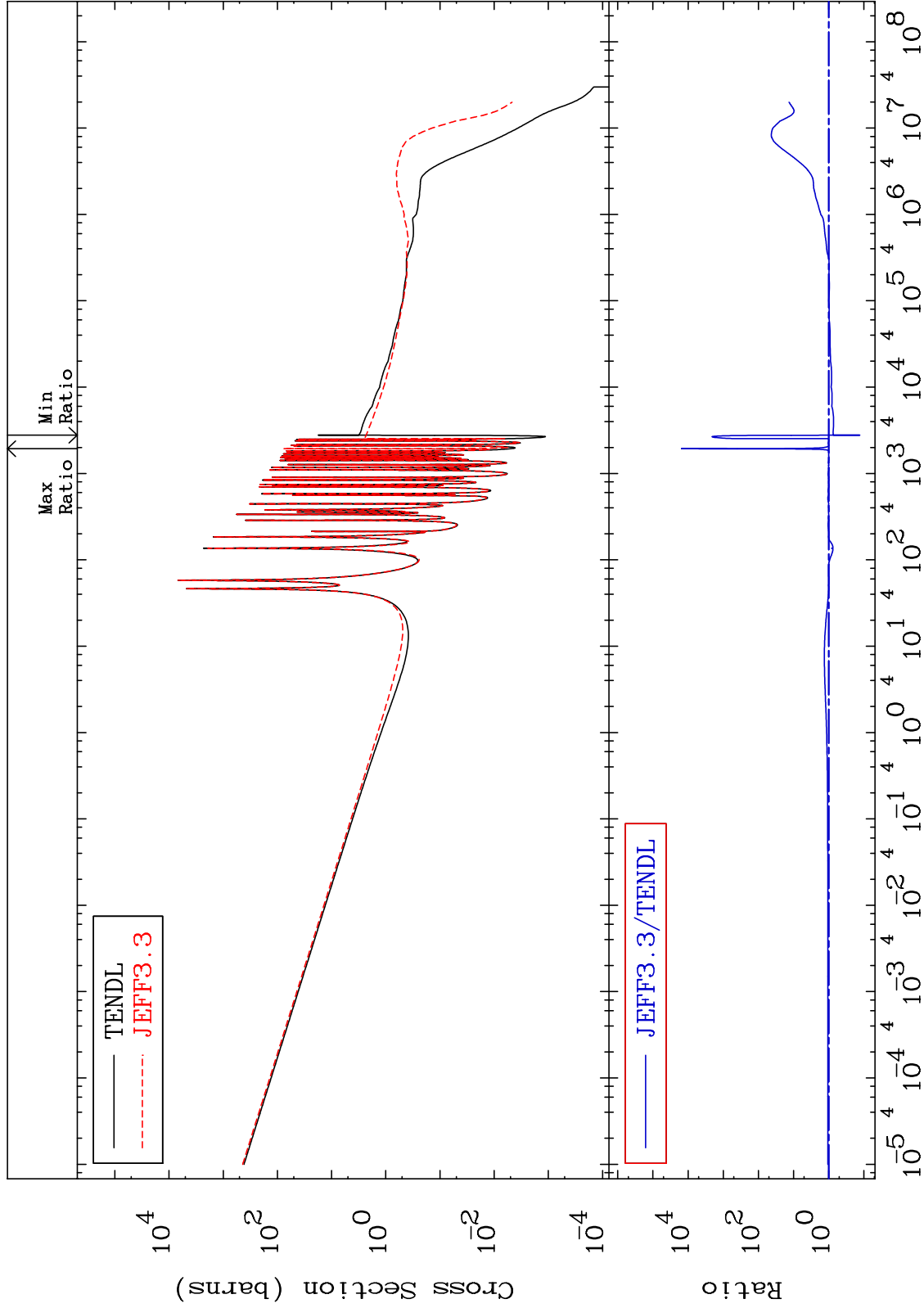
MAT 5625

(n, γ)

56-Ba-130

-86.95 To 9999. %

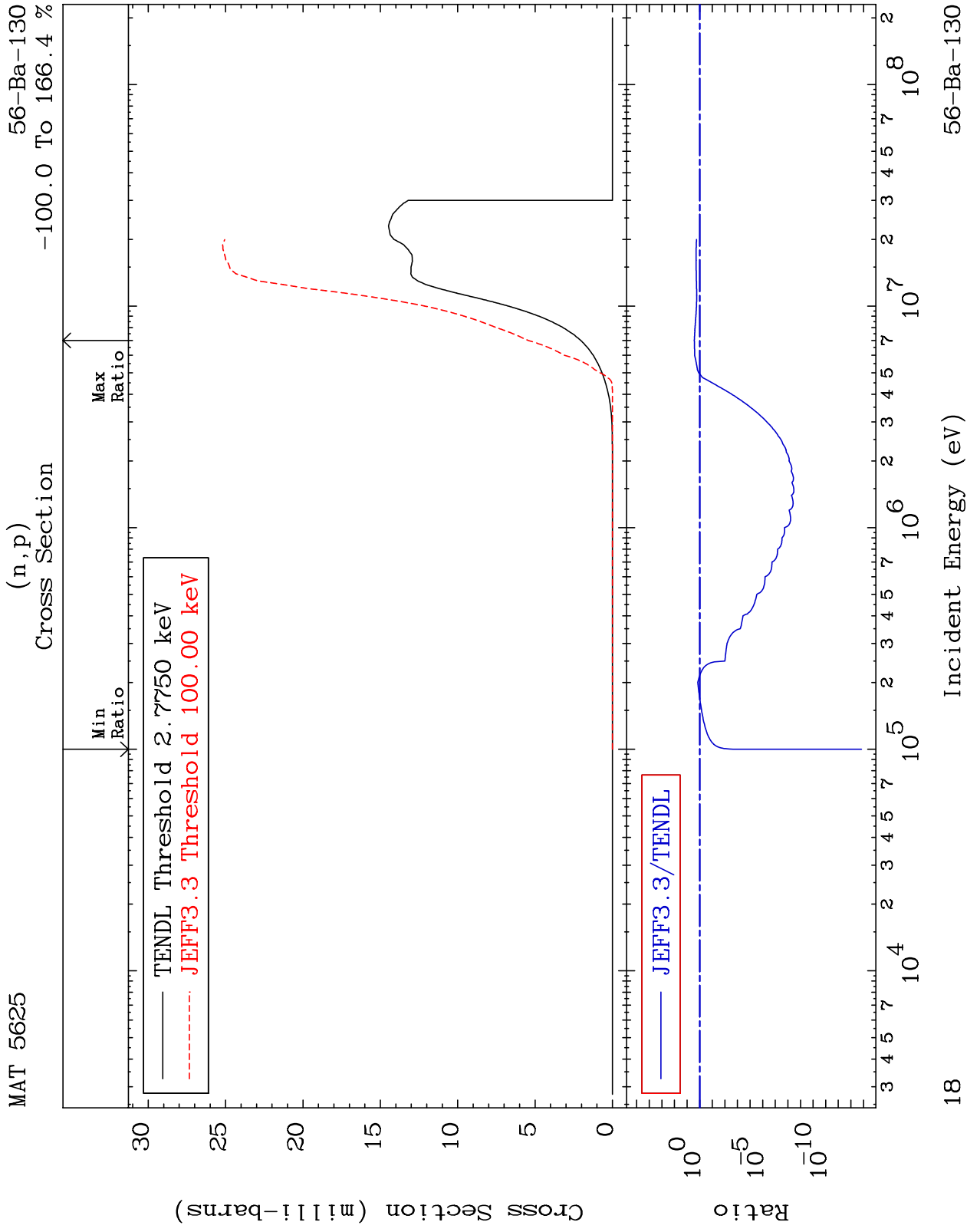
Cross Section



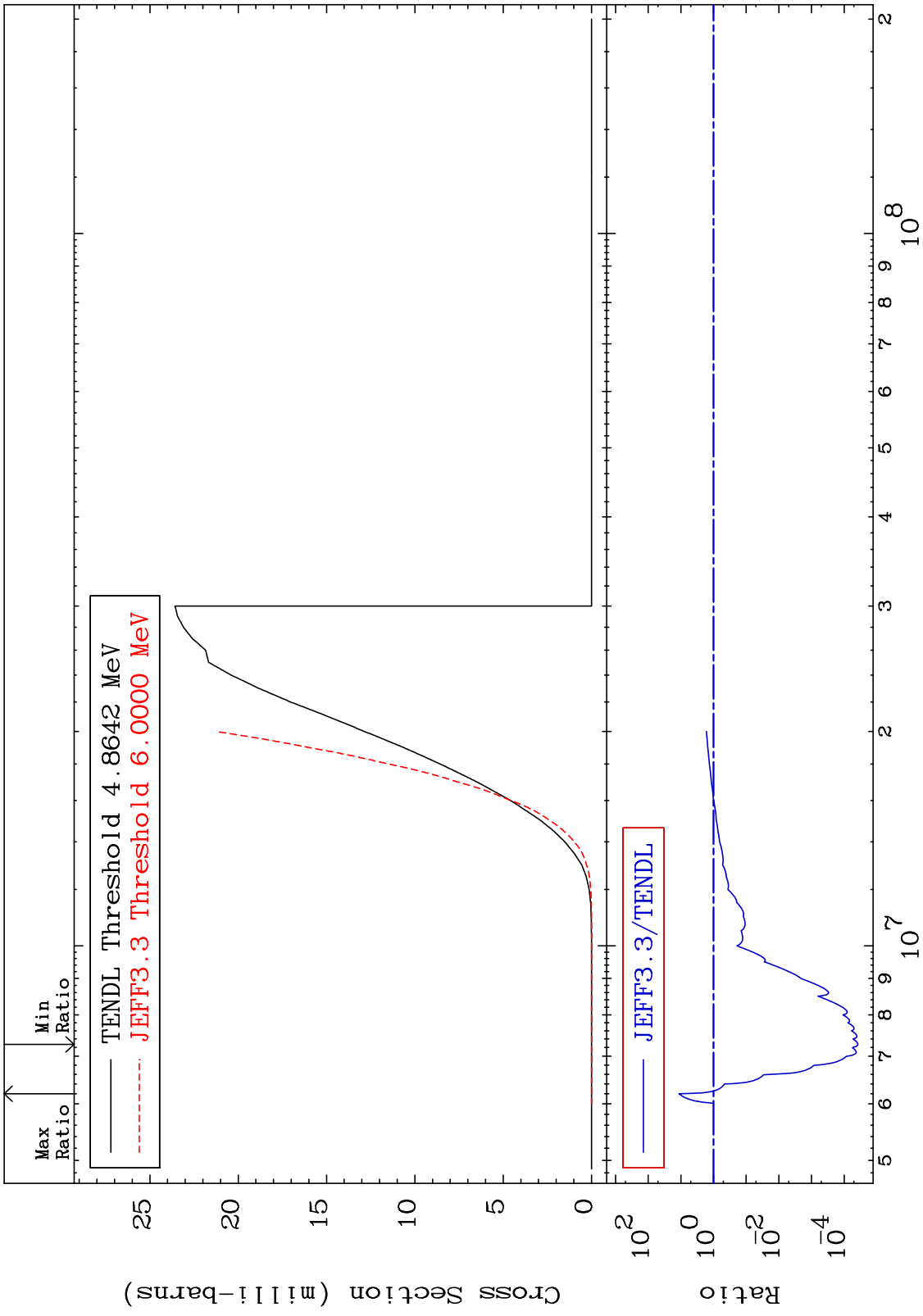
17

Incident Energy (eV)

56-Ba-130

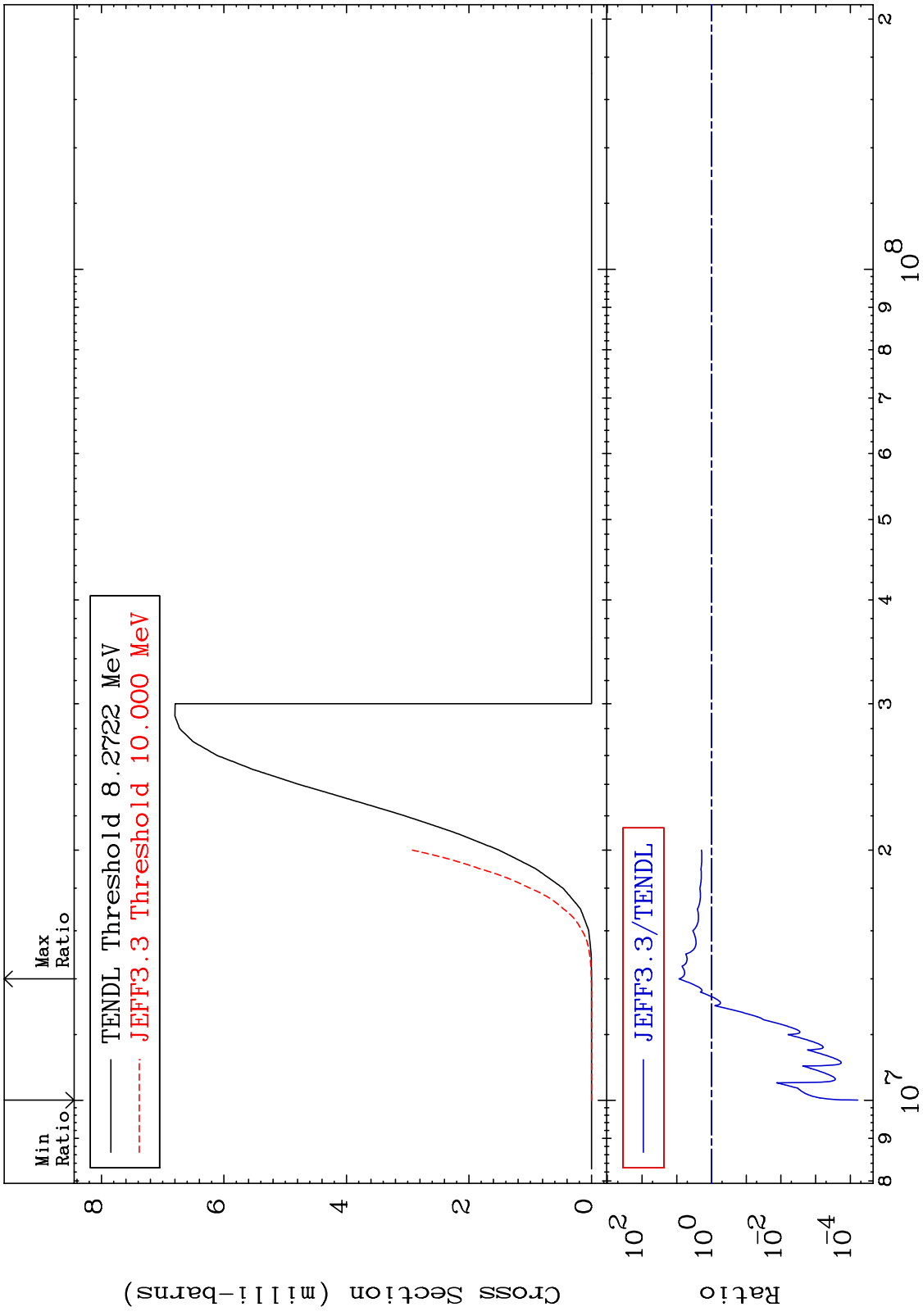


MAT 5625 (n,d) 56-Ba-130
 Cross Section -100.0 To 1038. %



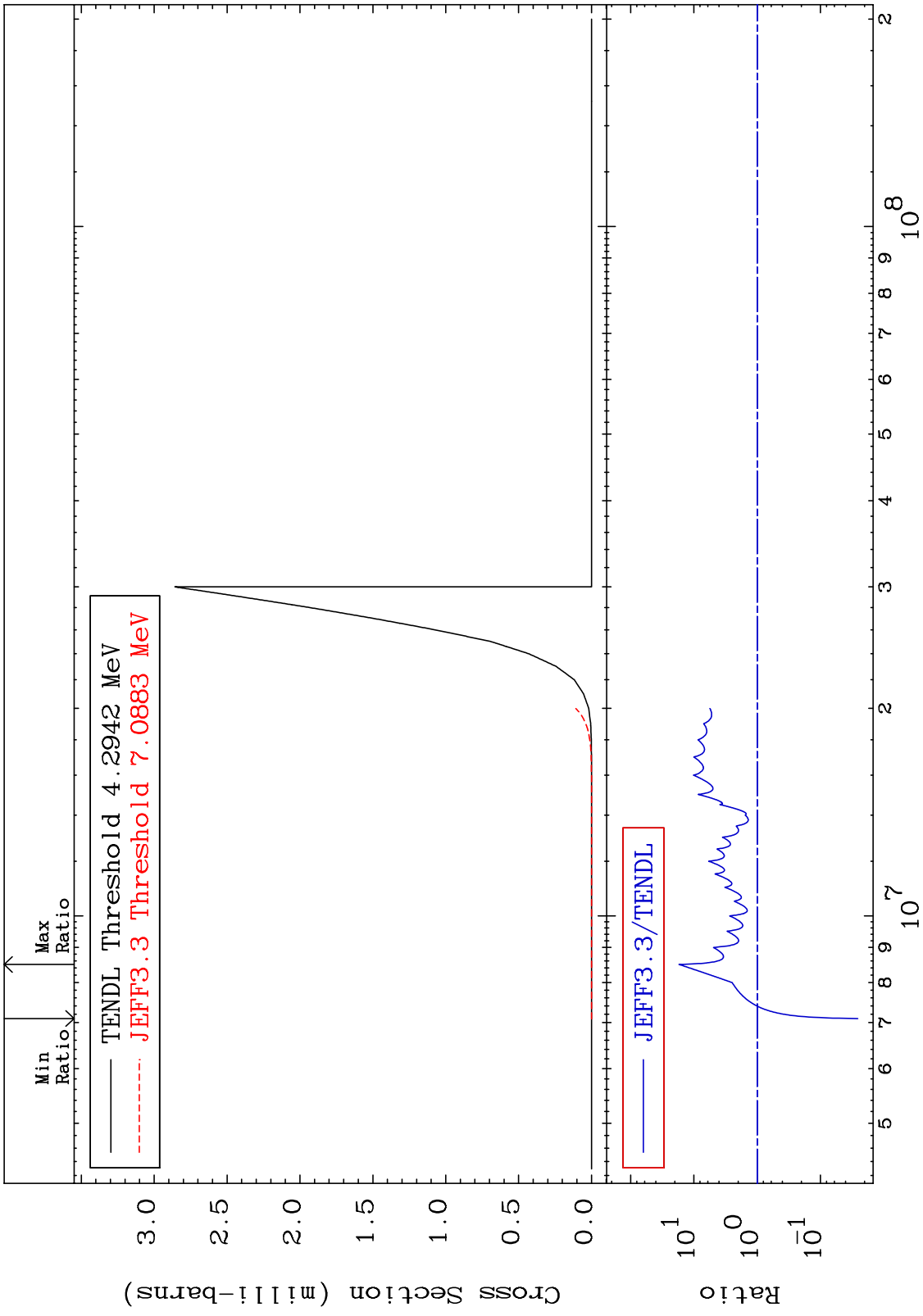
19 Incident Energy (eV) 56-Ba-130

MAT 5625 (n,t) Cross Section 56-Ba-130 -99.99 To 760.8 %



20 Incident Energy (eV) 56-Ba-130

MAT 5625 (n, He-3) 56-Ba-130
 Cross Section -97.44 To 1615. %



21 56-Ba-130

MAT 5625

(n, α)

56-Ba-130

Cross Section

-100.0 To 1210. %

Min Ratio

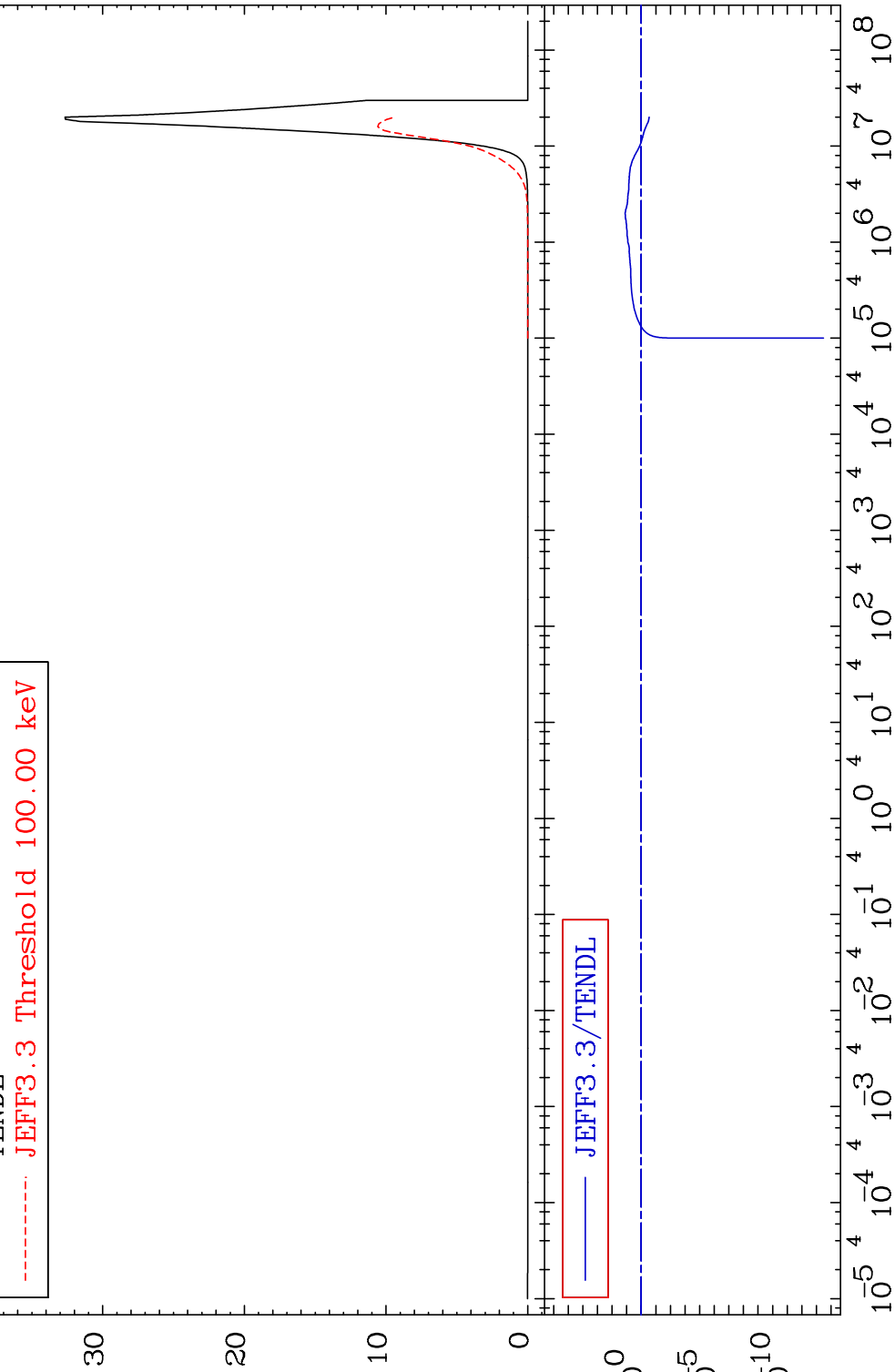
Max Ratio

— TENDL
- - - JEFF3.3 Threshold 100.00 keV

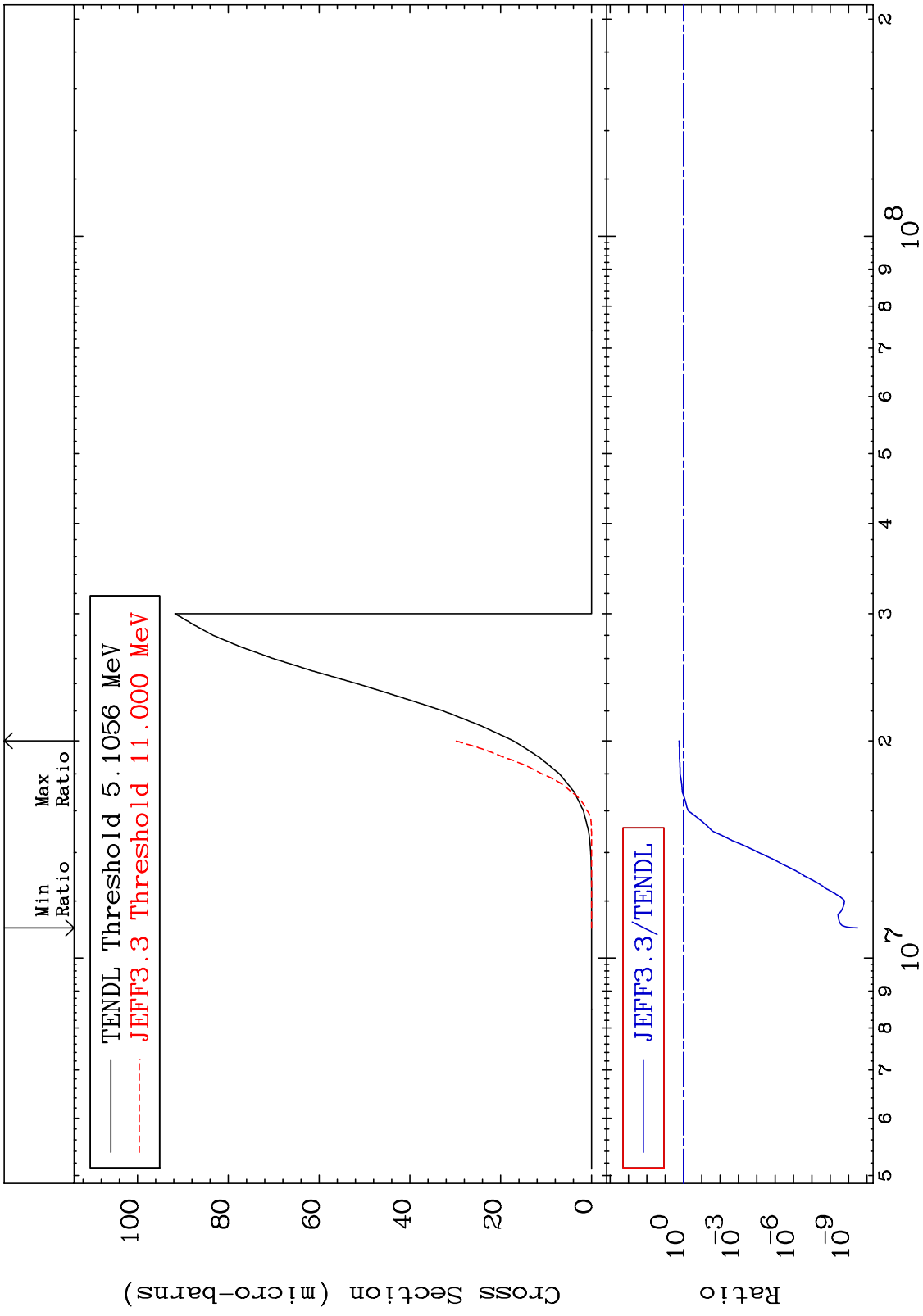
— JEFF3.3/TENDL

Cross Section (milli-barns)

Ratio

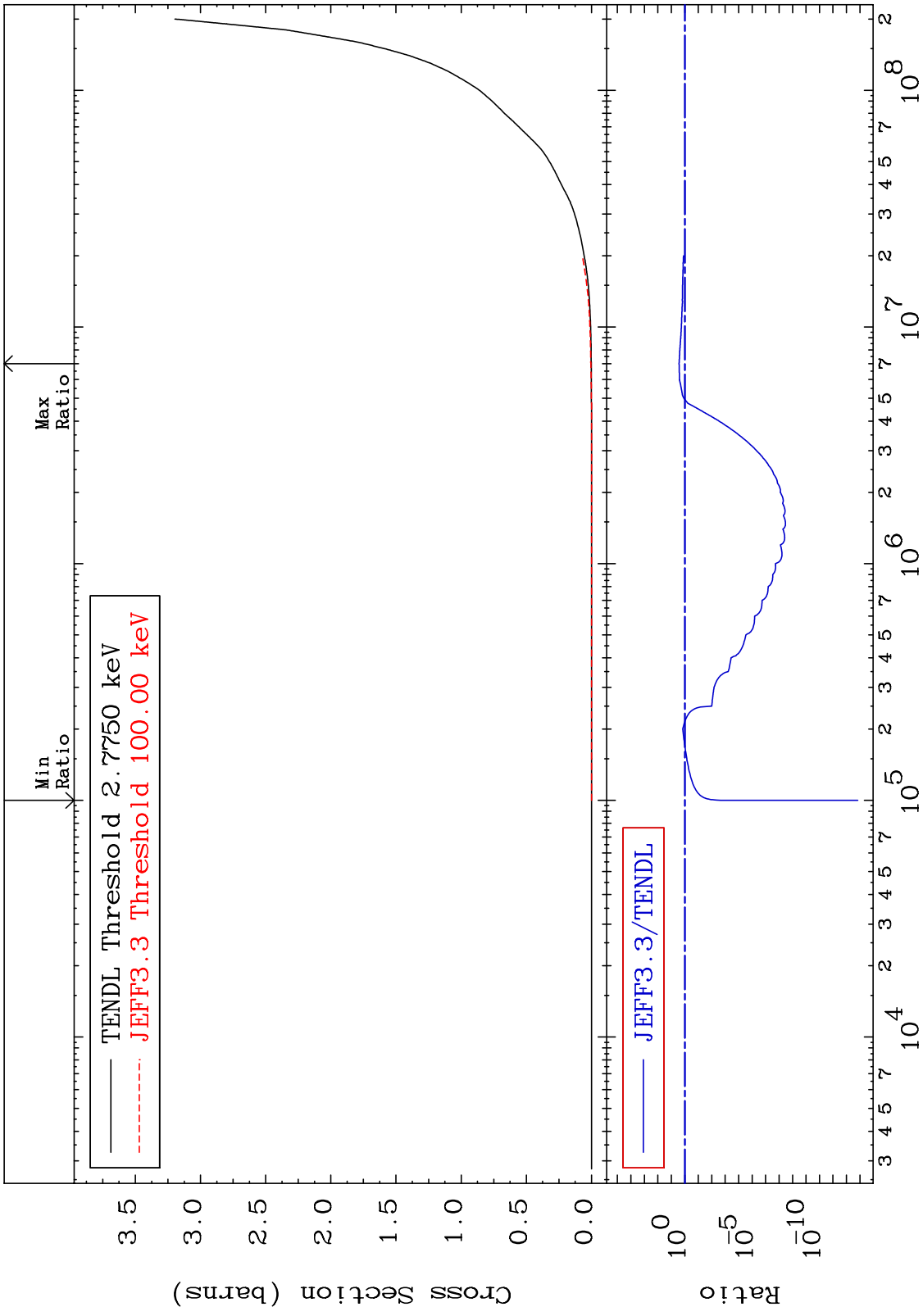


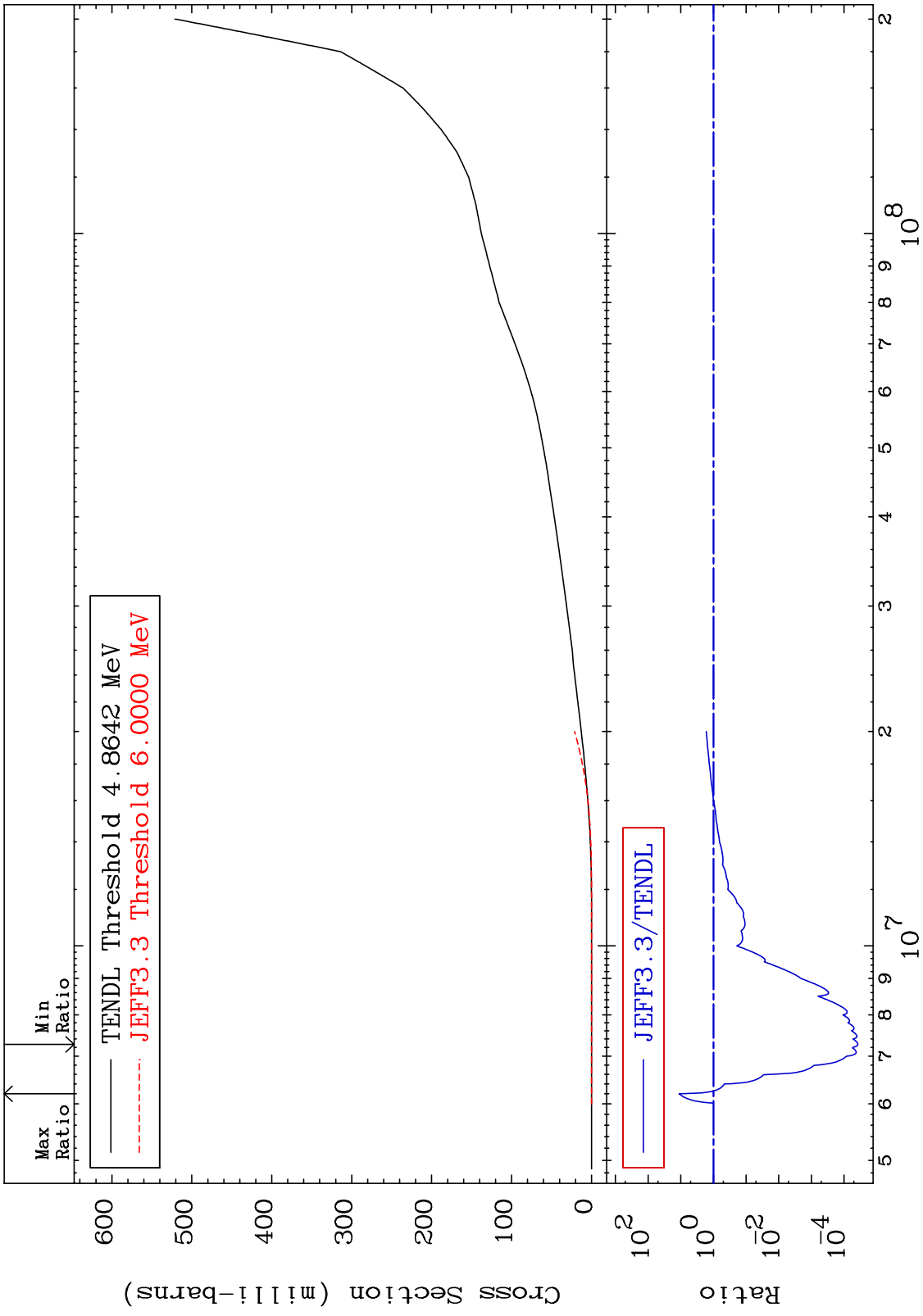
MAT 5625 $^{56}\text{Ba-130}$ (n,2p) Cross Section -100.0 To 74.34 %



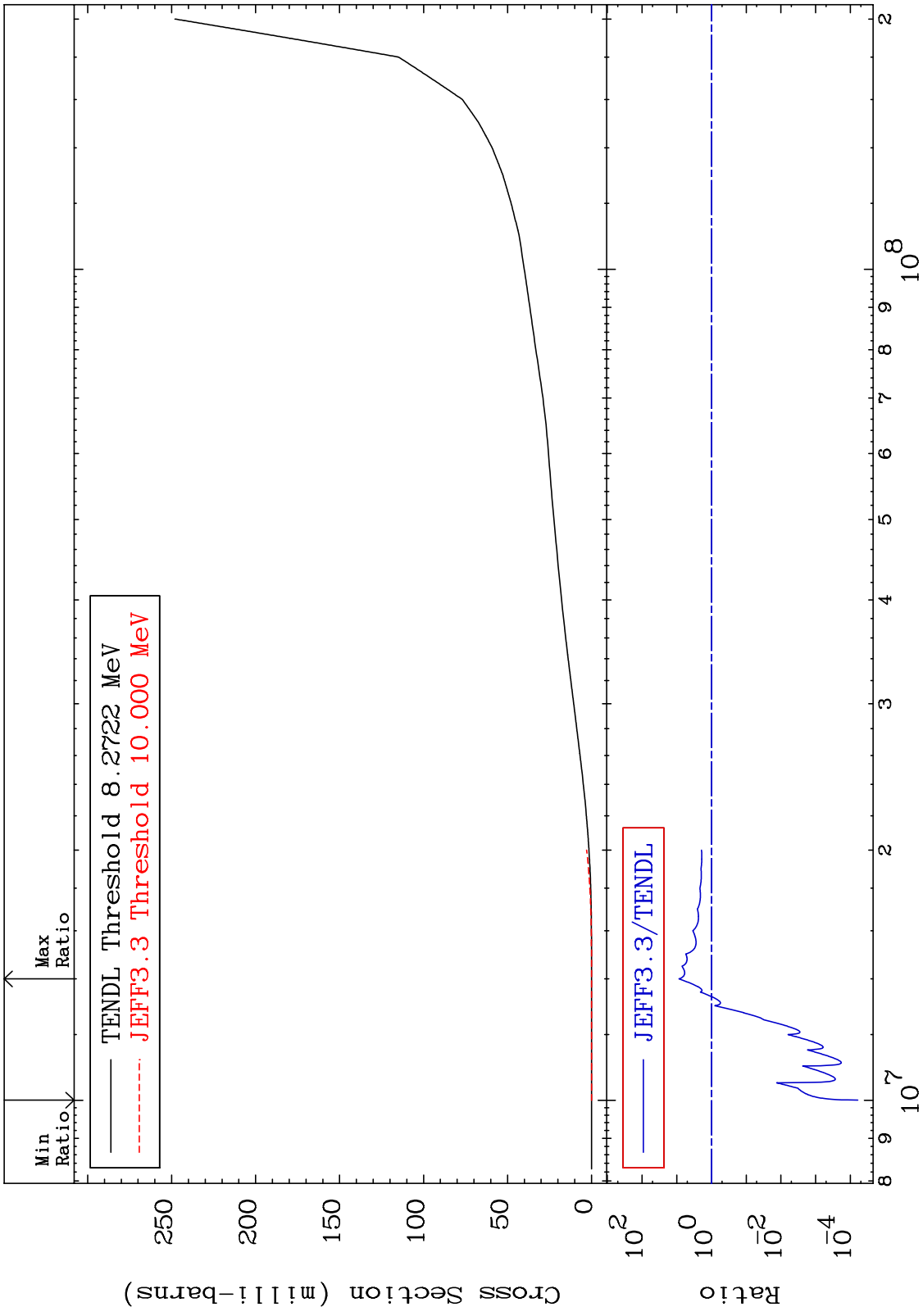
23 $^{56}\text{Ba-130}$ Incident Energy (eV)

MAT 5625 56-Ba-130
 Hydrogen Production Cross Section -100.0 To 166.4 %





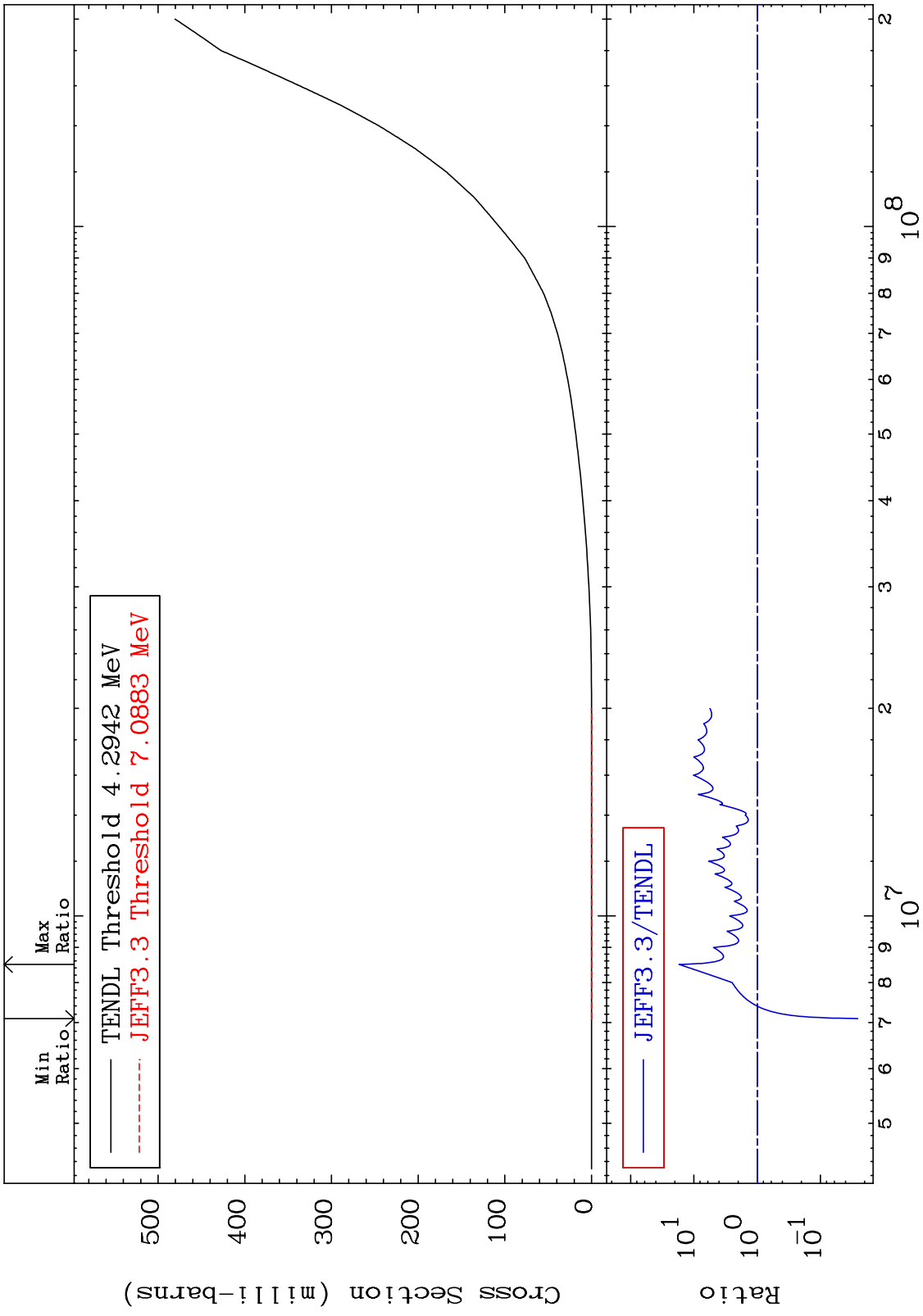
MAT 5625 Tritium Production Cross Section 56-Ba-130 -99.99 To 760.8 %



56-Ba-130

Incident Energy (eV)

MAT 5625 He-3 Production Cross Section 56-Ba-130 -97.44 To 1615. %

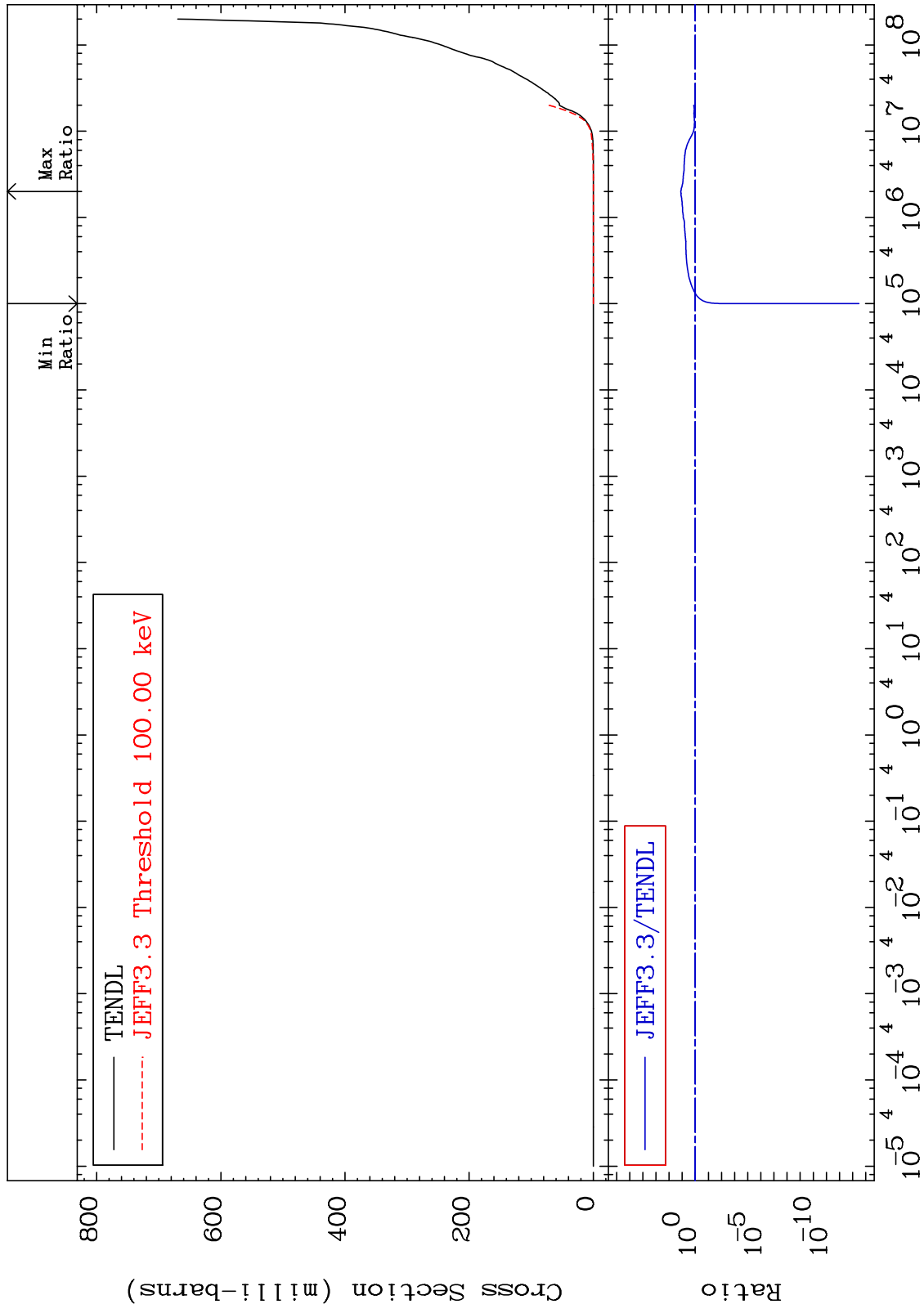


27 Incident Energy (eV) 56-Ba-130

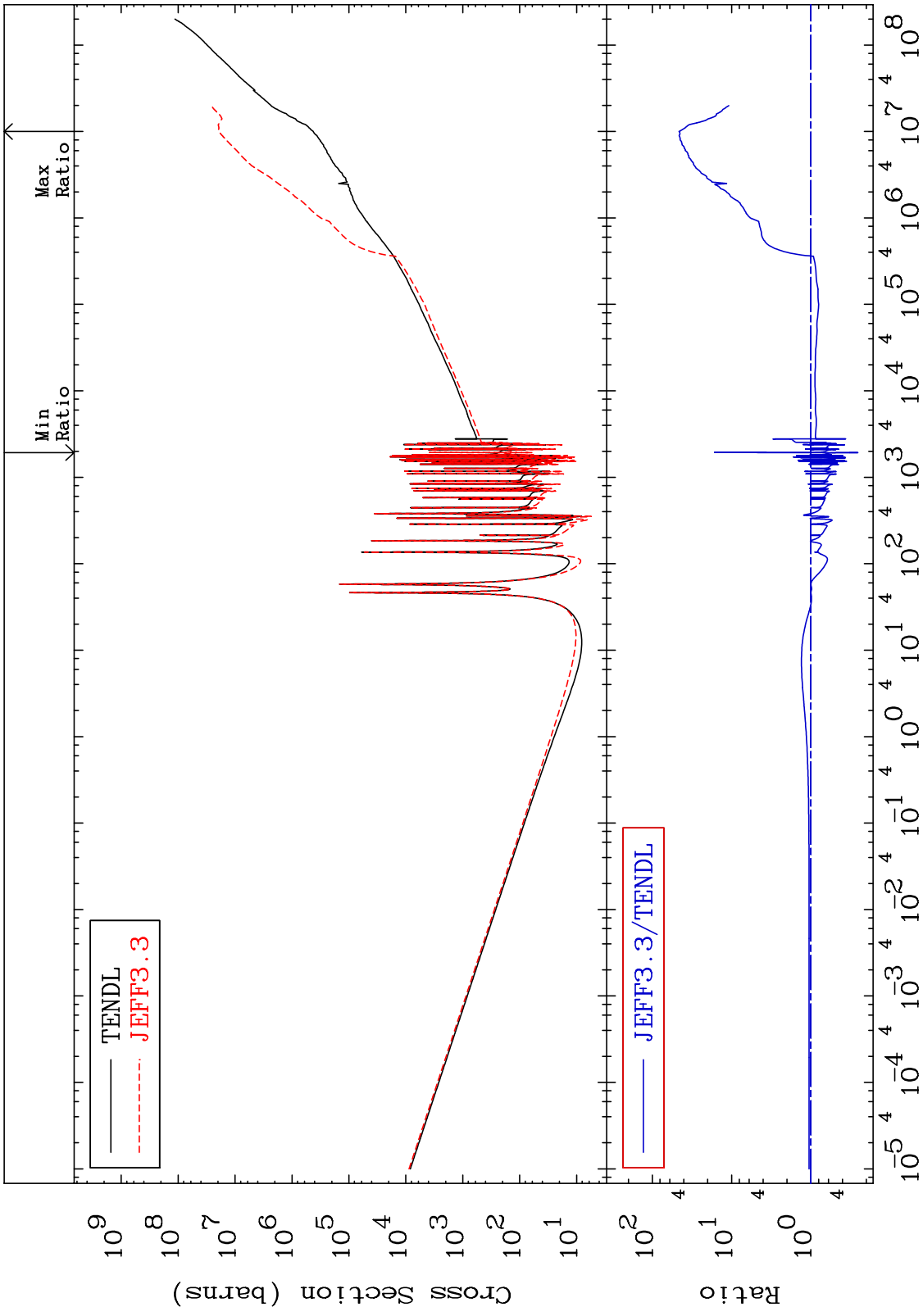
MAT 5625

He-4 Production
Cross Section

56-Ba-130
-100.0 To 1210. %



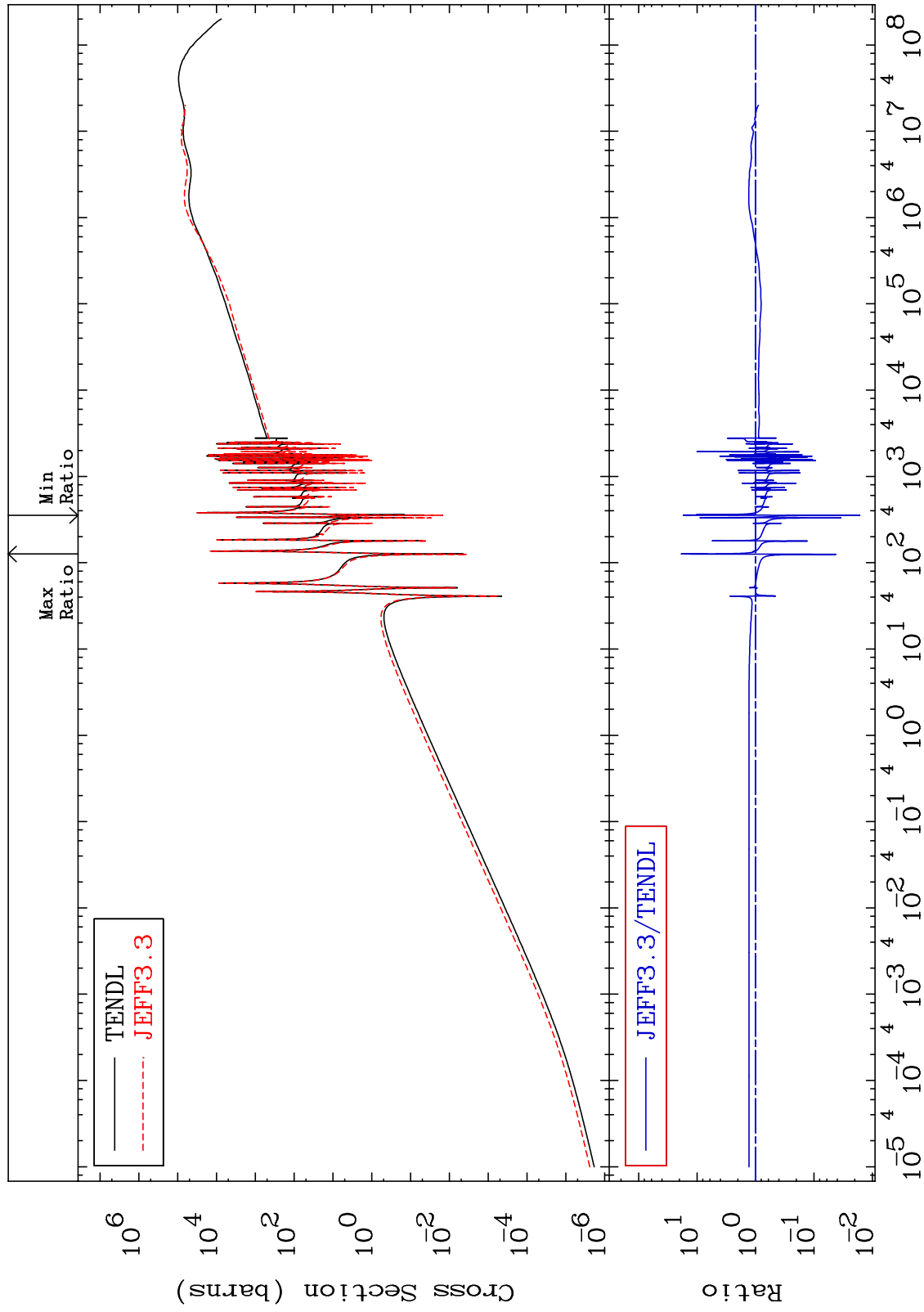
MAT 5625 Kerma total (eV-barns) 56-Ba-130
 Cross Section -74.42 To 4499. %



MAT 5625

Kerma elastic
Cross Section

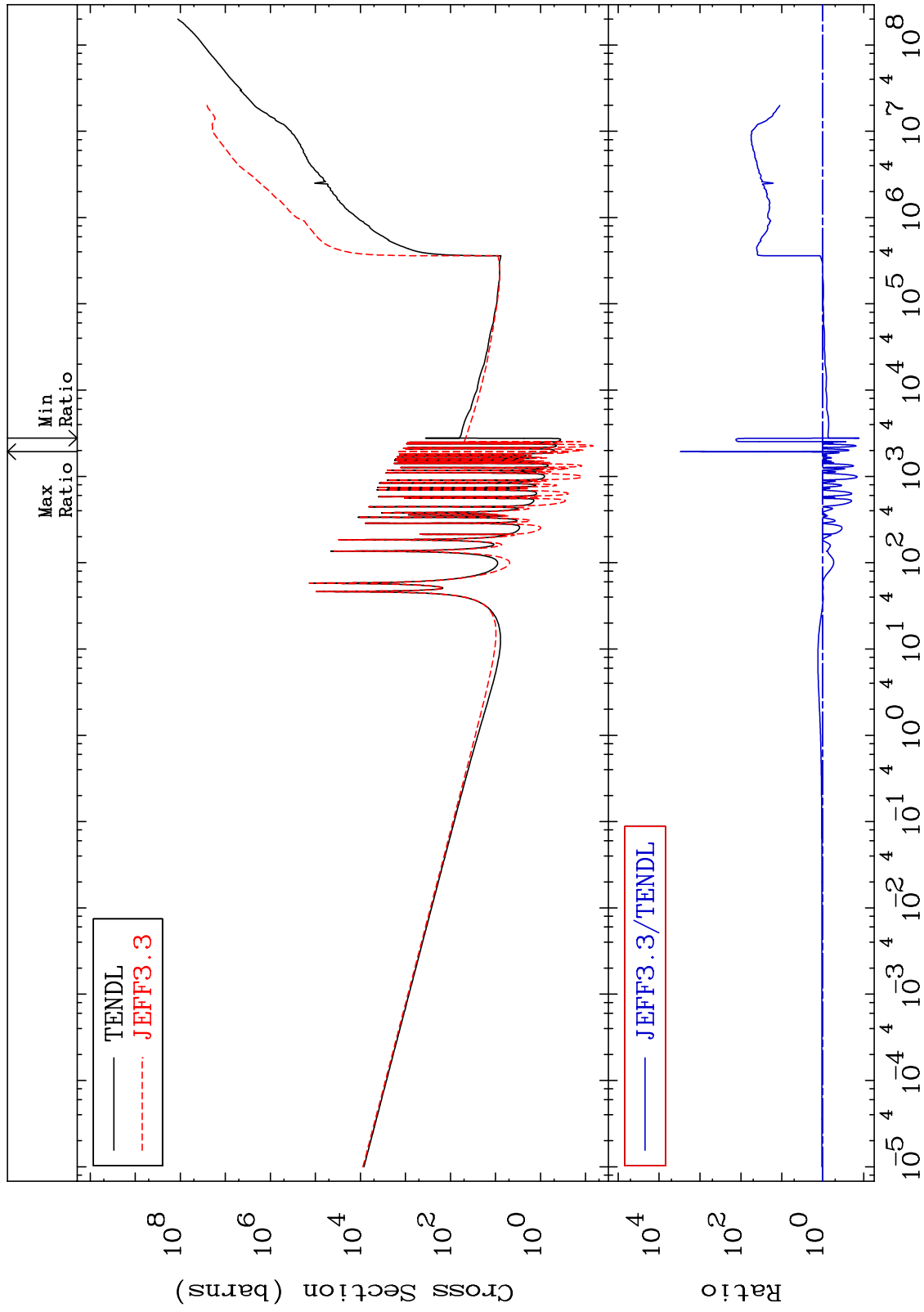
56-Ba-130
-98.36 To 1751. %



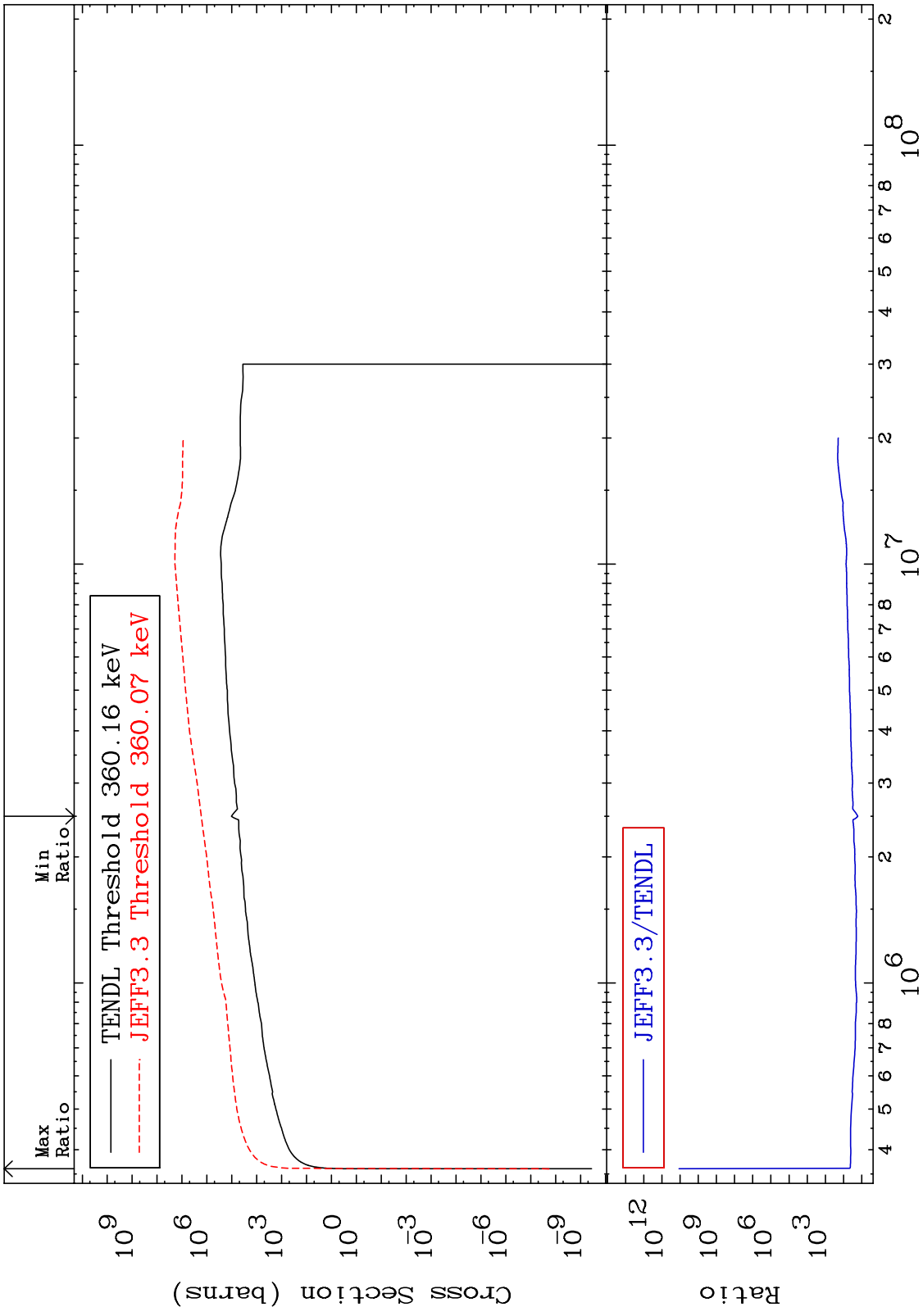
MAT 5625

Kerma non-elastic (all but mt2)
Cross Section

56-Ba-130
-86.96 To 9999. %



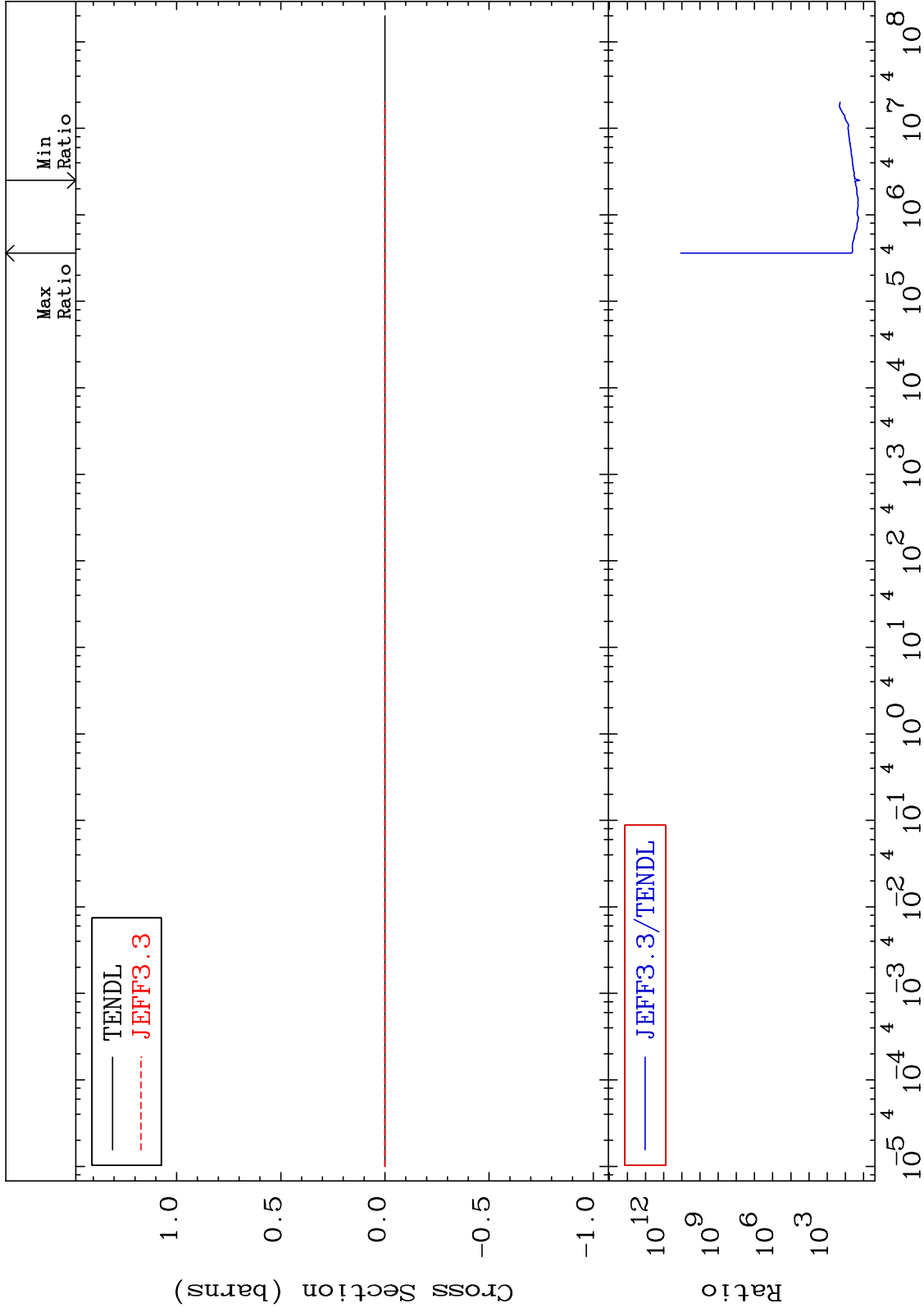
MAT 5625 Kerma inelastic (mt51-91) 56-Ba-130
 1534. To 9999. %
 Cross Section



MAT 5625

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

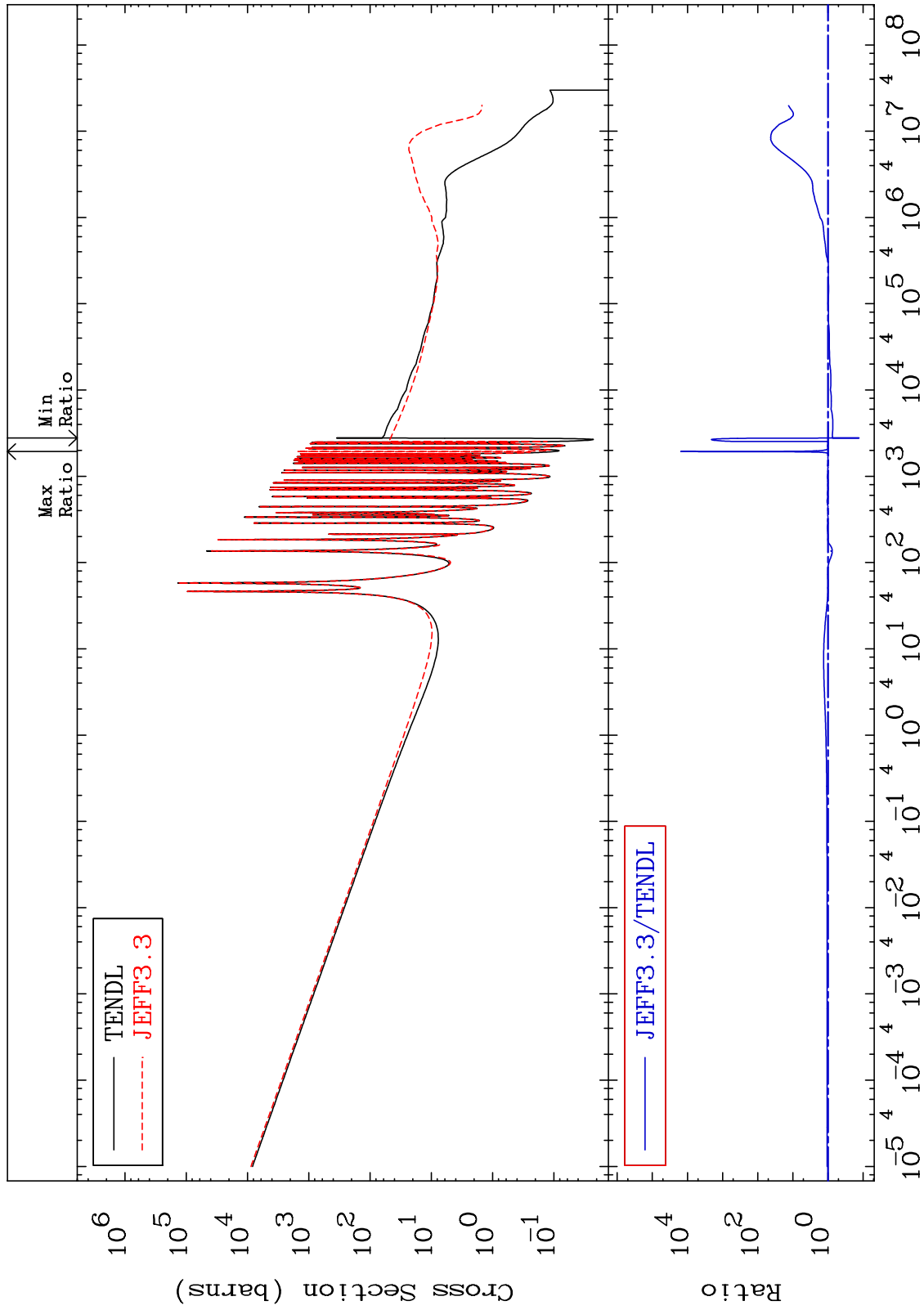
56-Ba-130
1534. To 9999. %



MAT 5625

Kerma capture (mt102)
Cross Section

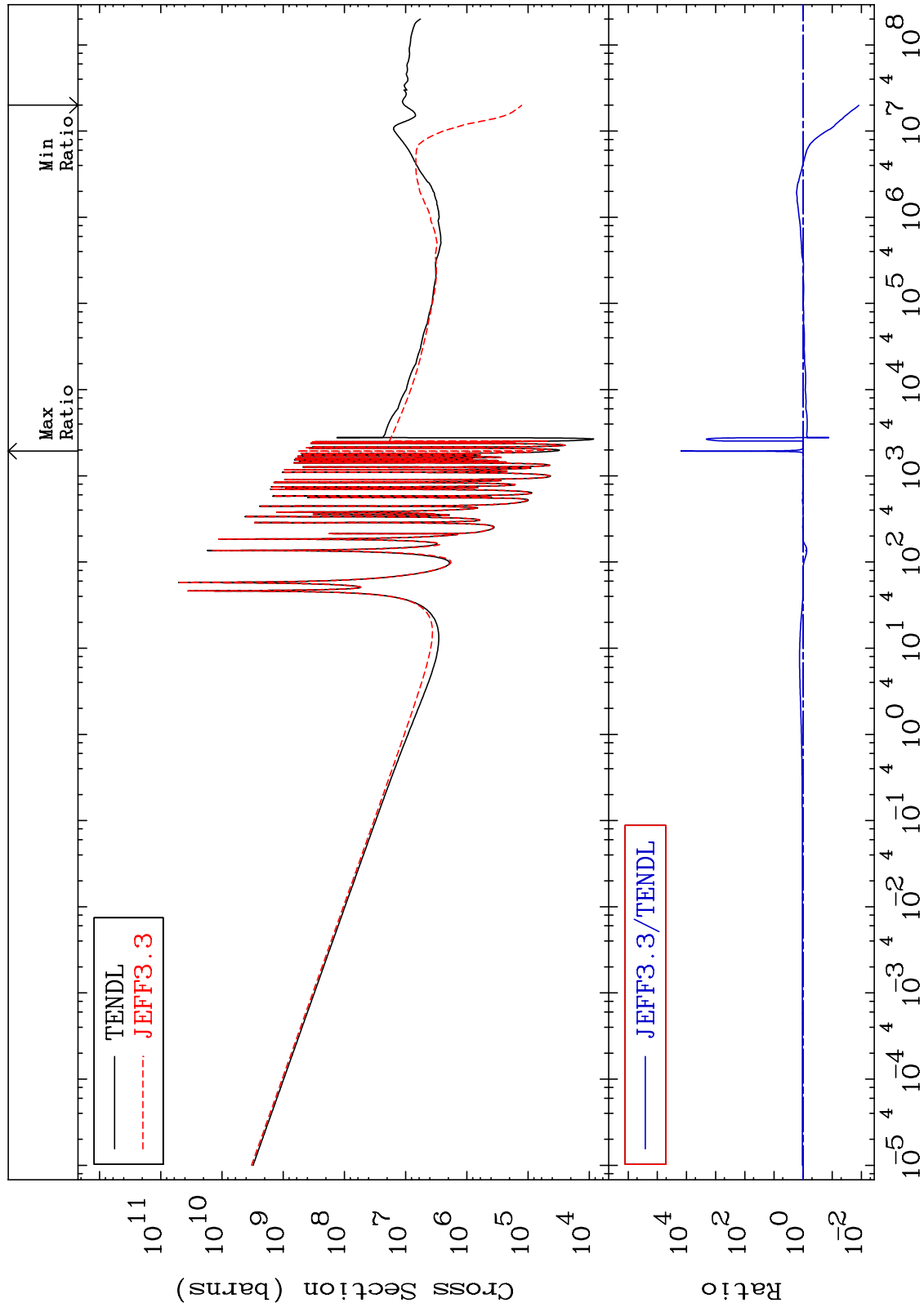
56-Ba-130
-86.95 To 9999. %



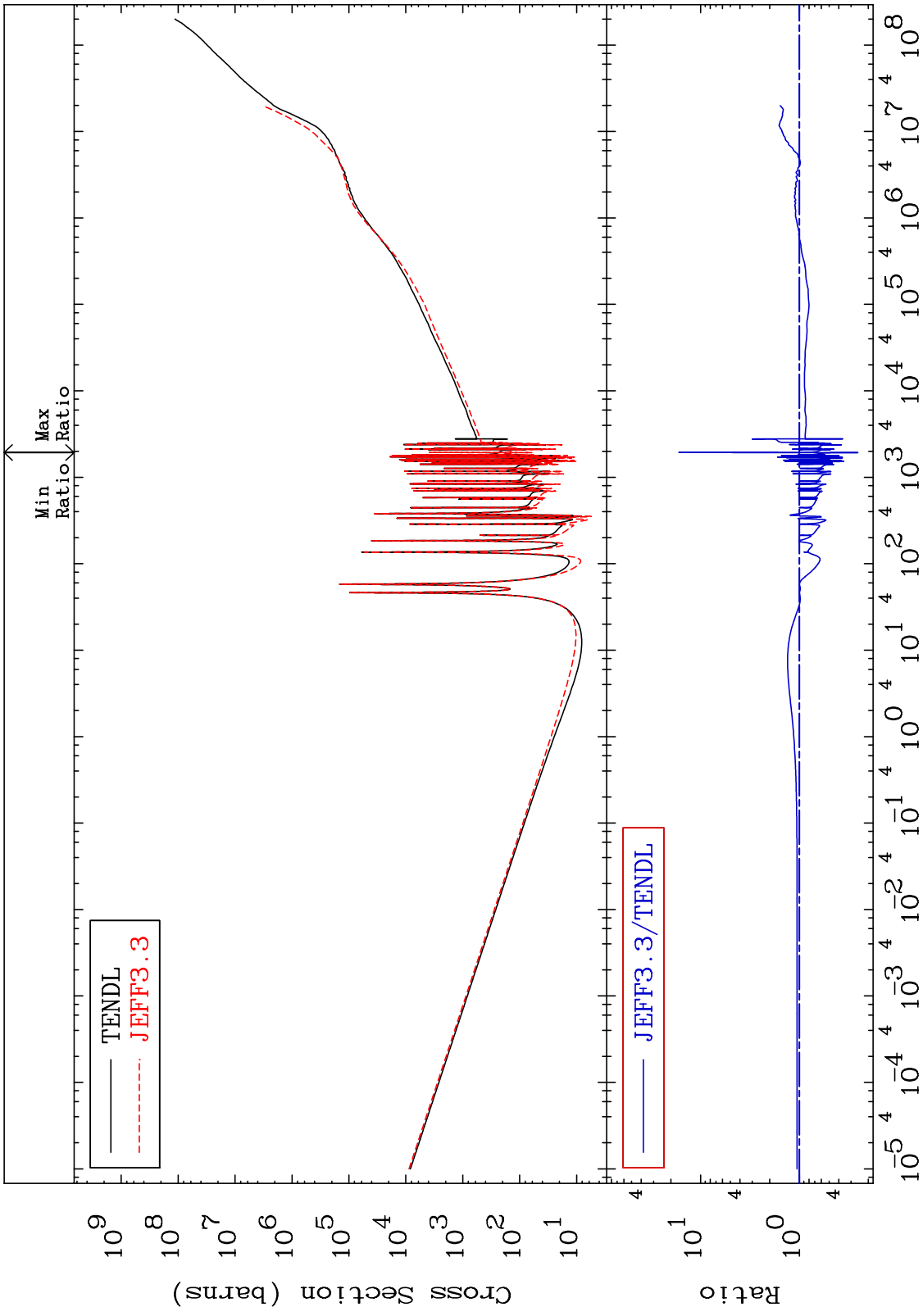
MAT 5625

Total photon (eV-barns)
Cross Section

56-Ba-130
-98.79 To 9999. %



MAT 5625 Total kinematic kerma (high limit) 56-Ba-130
 Cross Section -74.42 To 1555. %

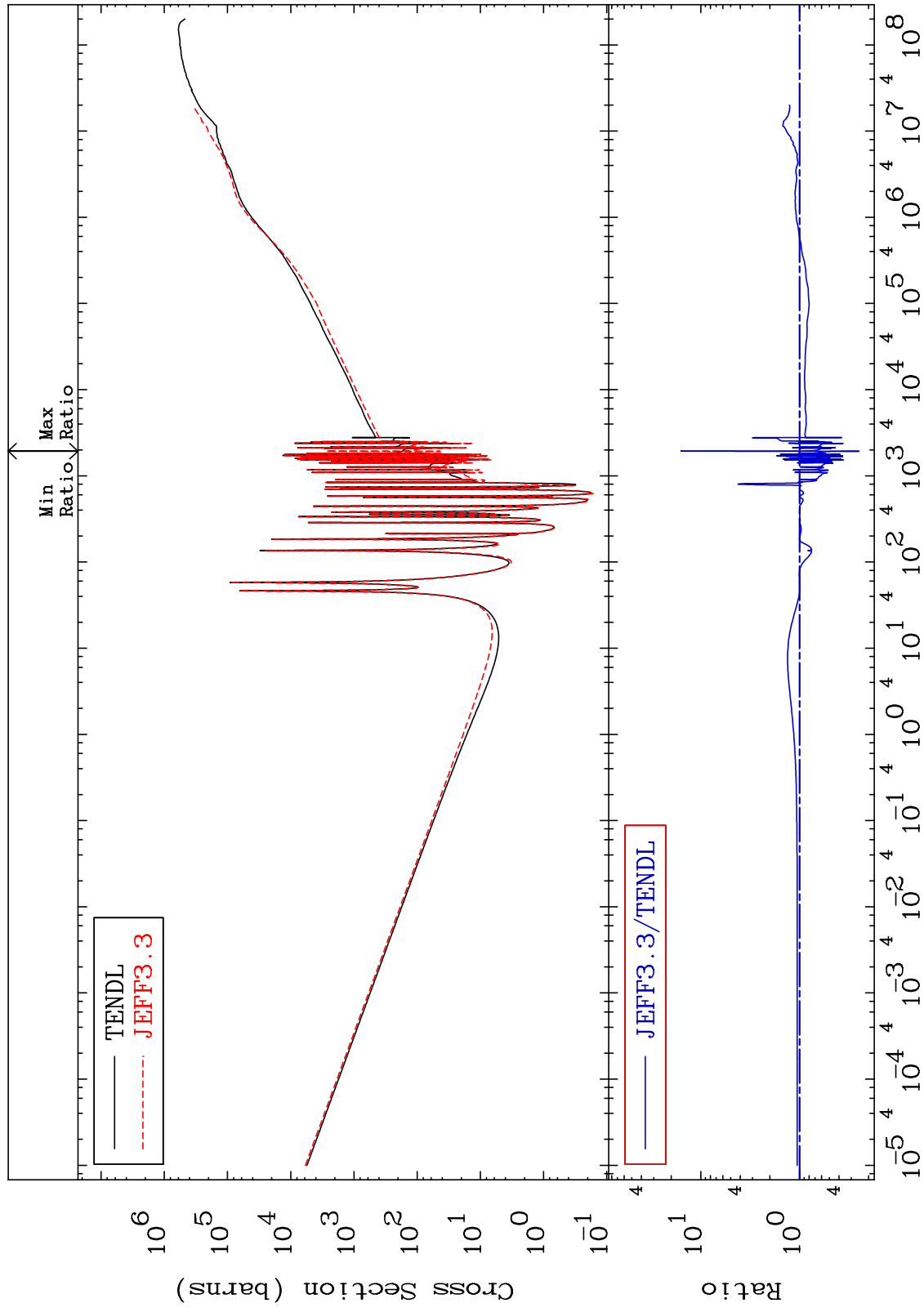


36 Incident Energy (eV) 56-Ba-130

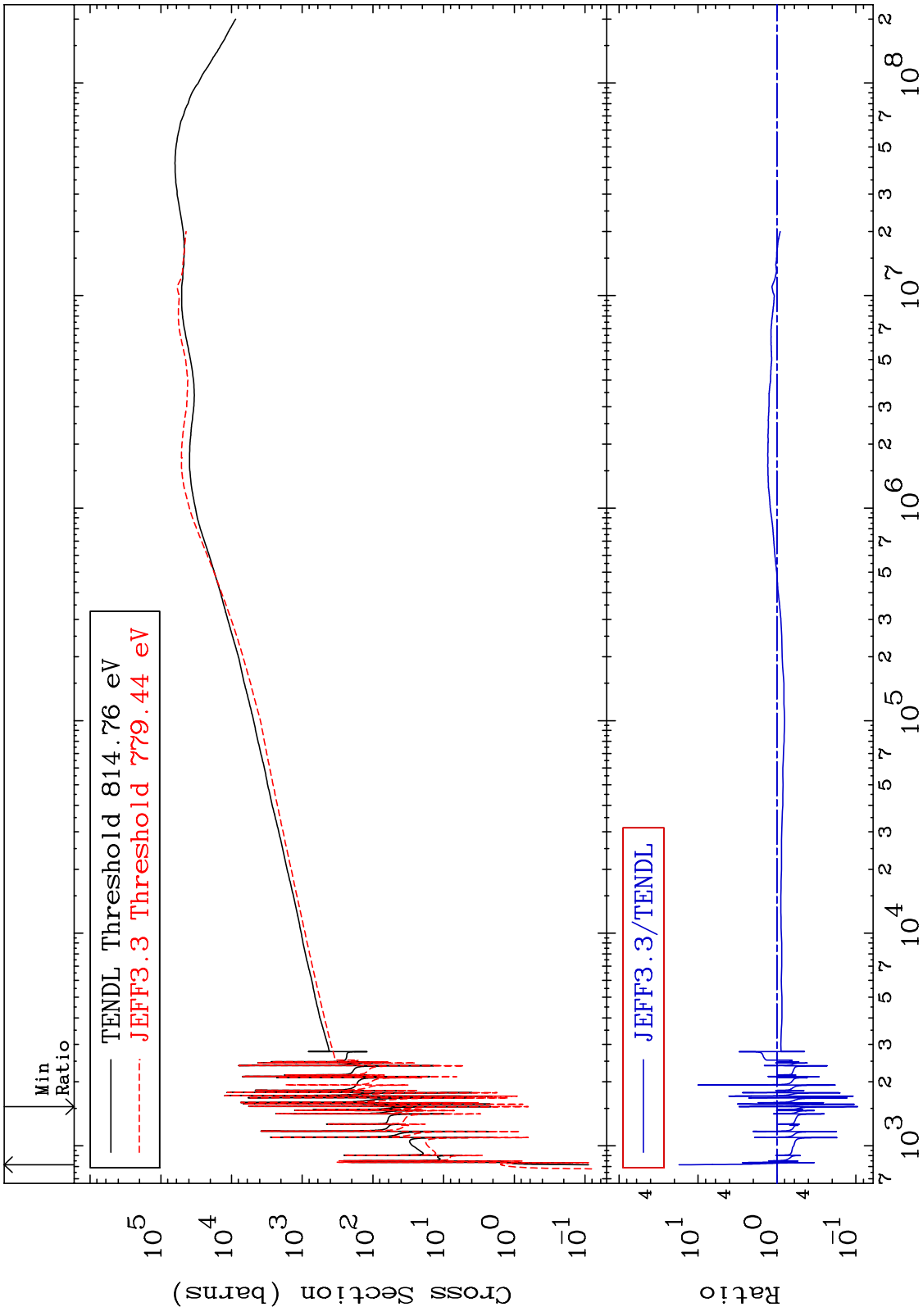
MAT 5625

Dpa total (eV-barns)
Cross Section

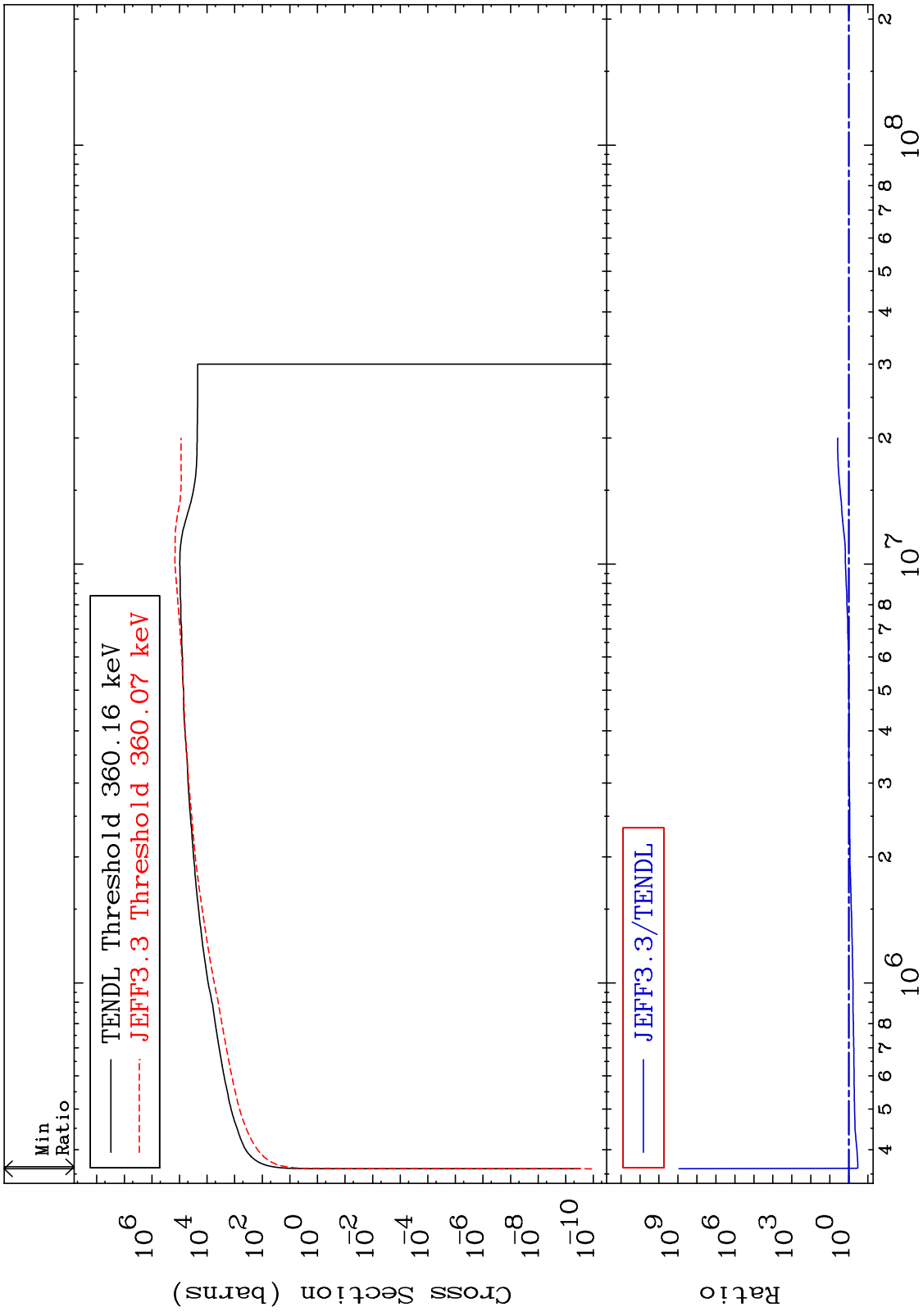
56-Ba-130
-74.99 To 1495. %



MAT 5625 Dpa elastic (mt2) 56-Ba-130
 Cross Section -90.55 To 1640. %



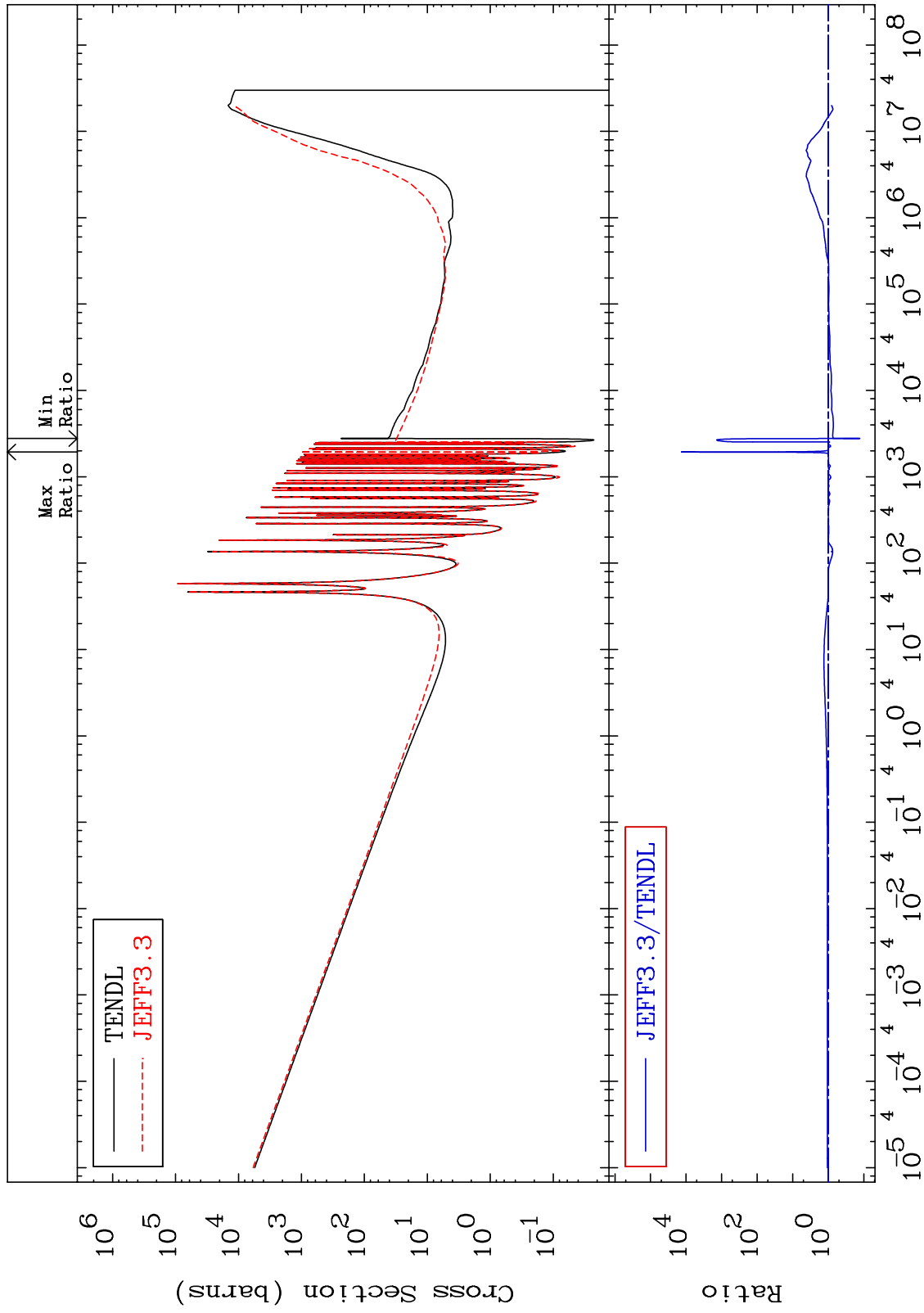
MAT 5625 Dpa inelastic (mt51-91) 56-Ba-130
 Cross Section -66.69 To 9999. %



MAT 5625

Dpa disappearance (mt102 -120)
Cross Section

56-Ba-130
-86.95 To 9999. %



40

Incident Energy (eV)

56-Ba-130