

Program Complot
(Version 2021-1)

by

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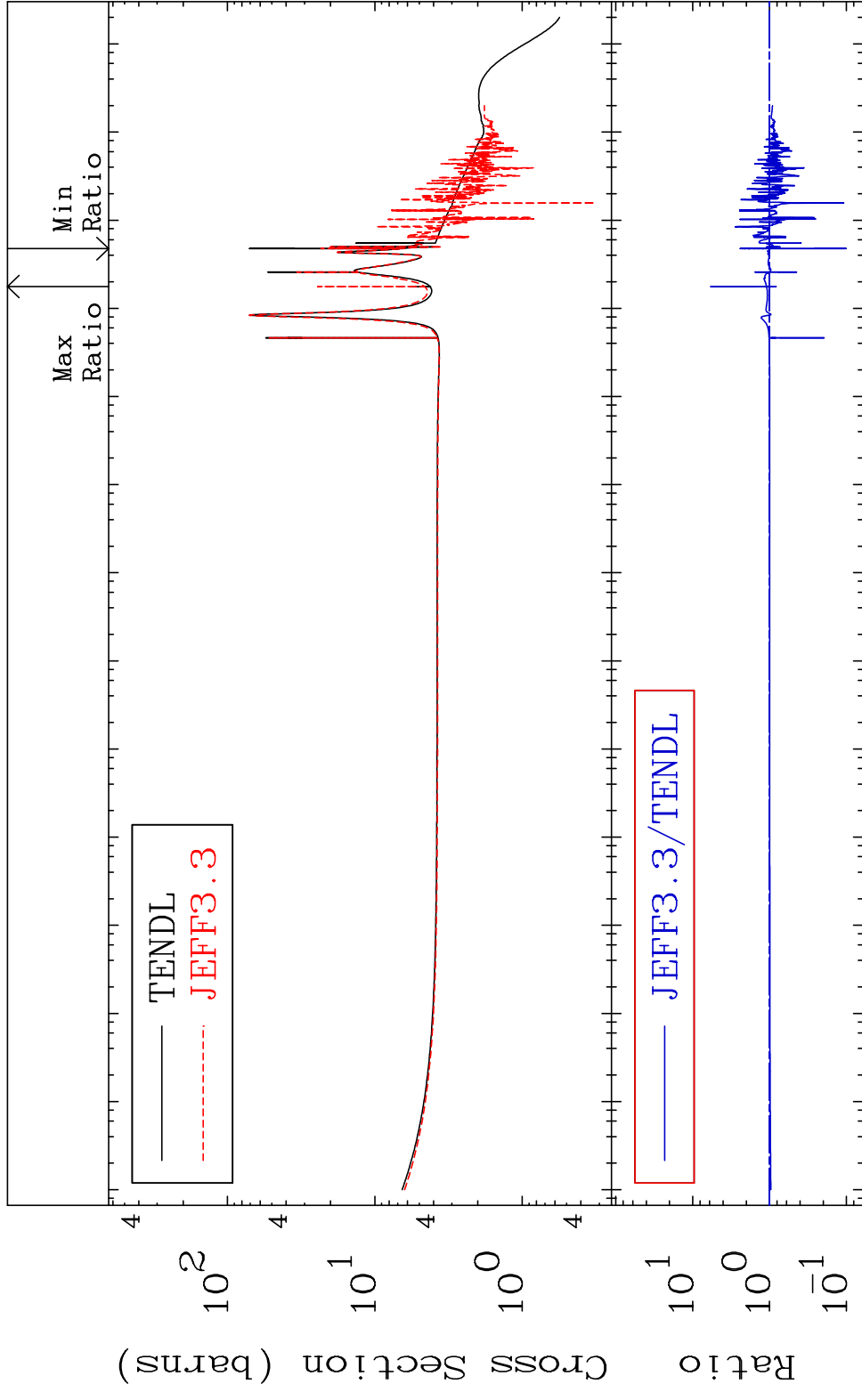
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Press Mouse Button to Start

MAT 1225 Total 12-Mg-24
 Cross Section -89.99 To 481.5 %



1 Incident Energy (eV) 12-Mg-24

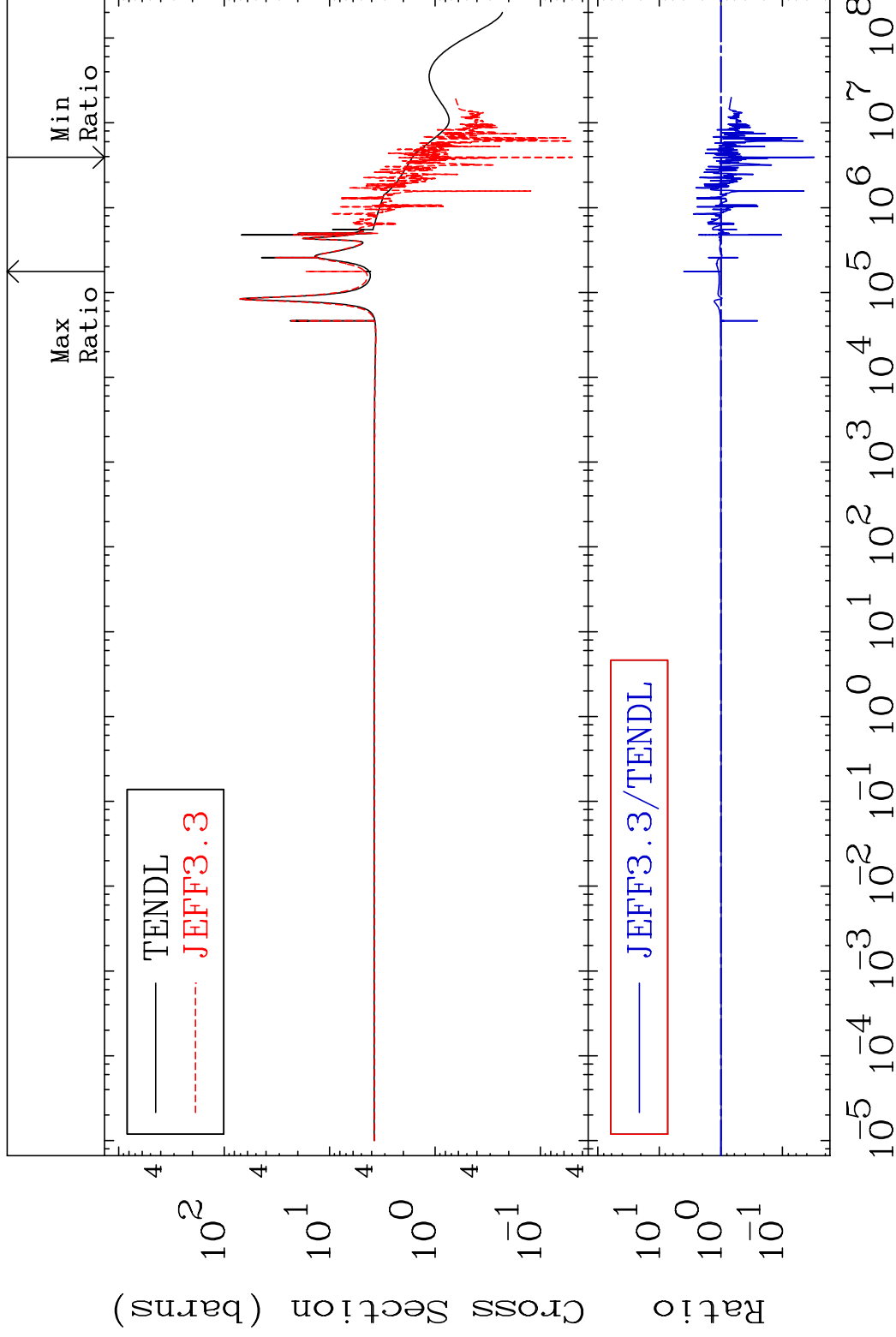
MAT 1225

Elastic

¹²Mg-24

Cross Section

-96.95 To 302.2 %



2

Incident Energy (eV)

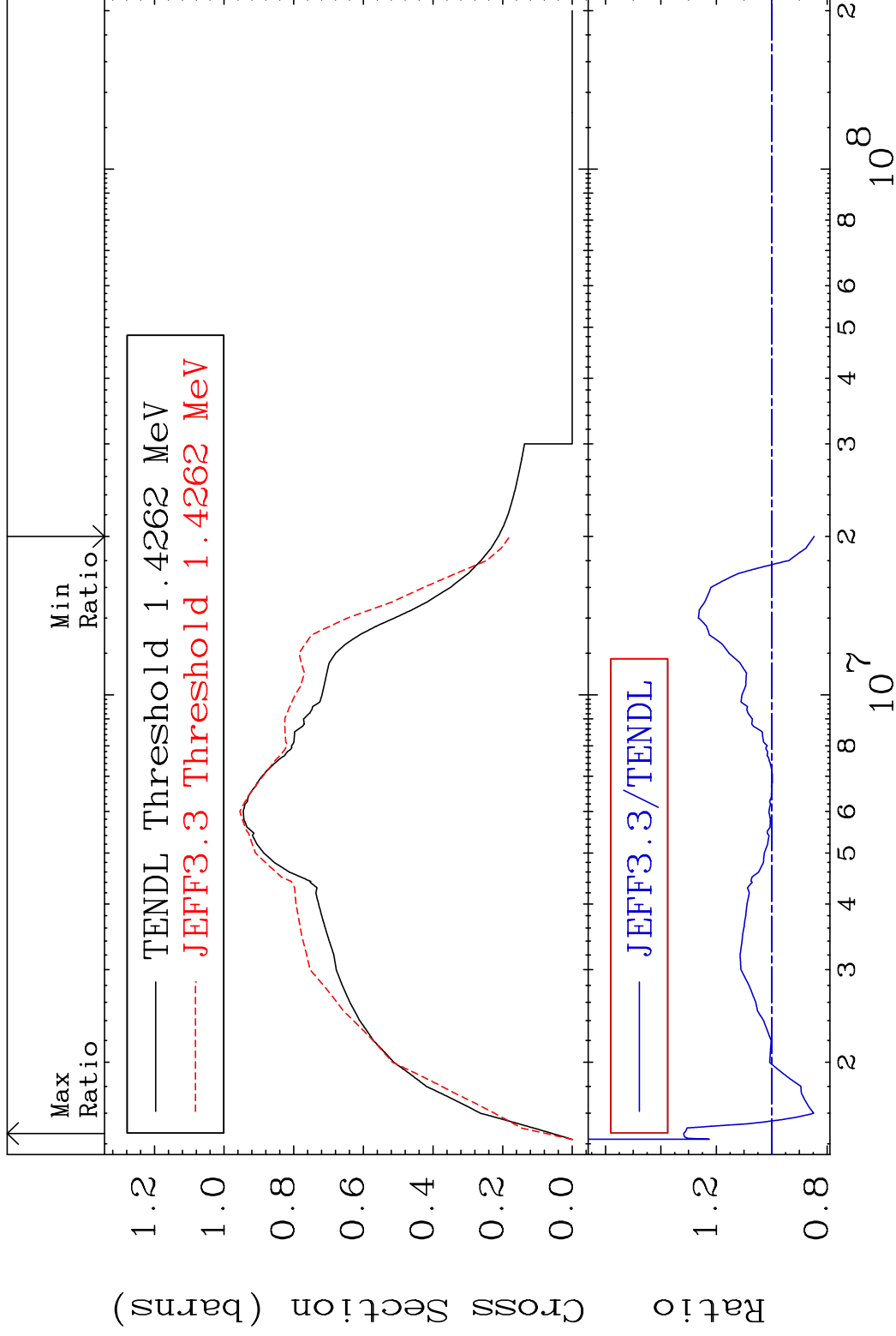
¹²Mg-24

MAT 1225

Inelastic

¹²Mg-24

Cross Section -15.32 To 31.78 %

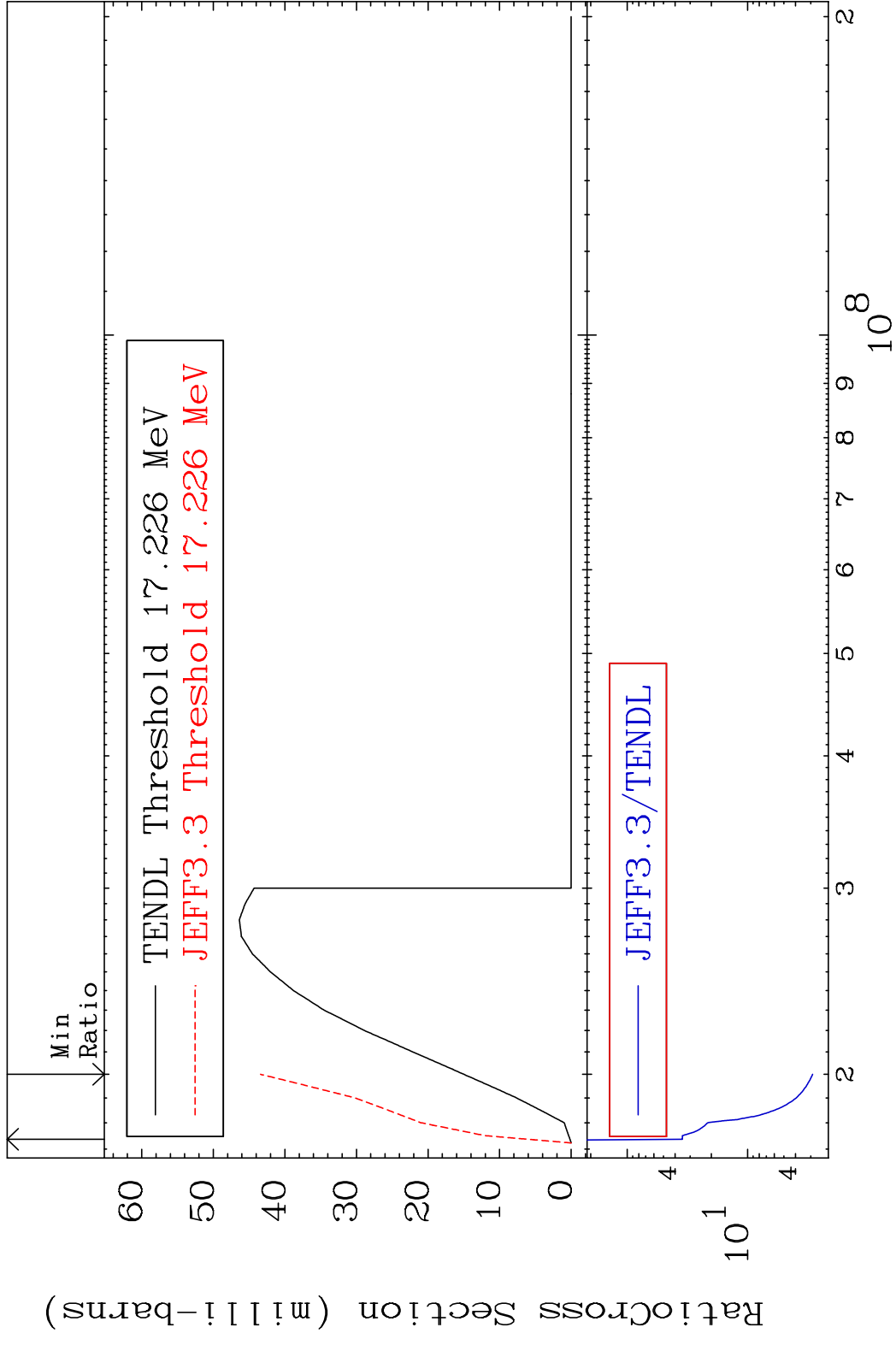


3

Incident Energy (eV)

¹²Mg-24

MAT 1225 (n,2n) 12-Mg-24
 Cross Section 189.4 To 3380. %



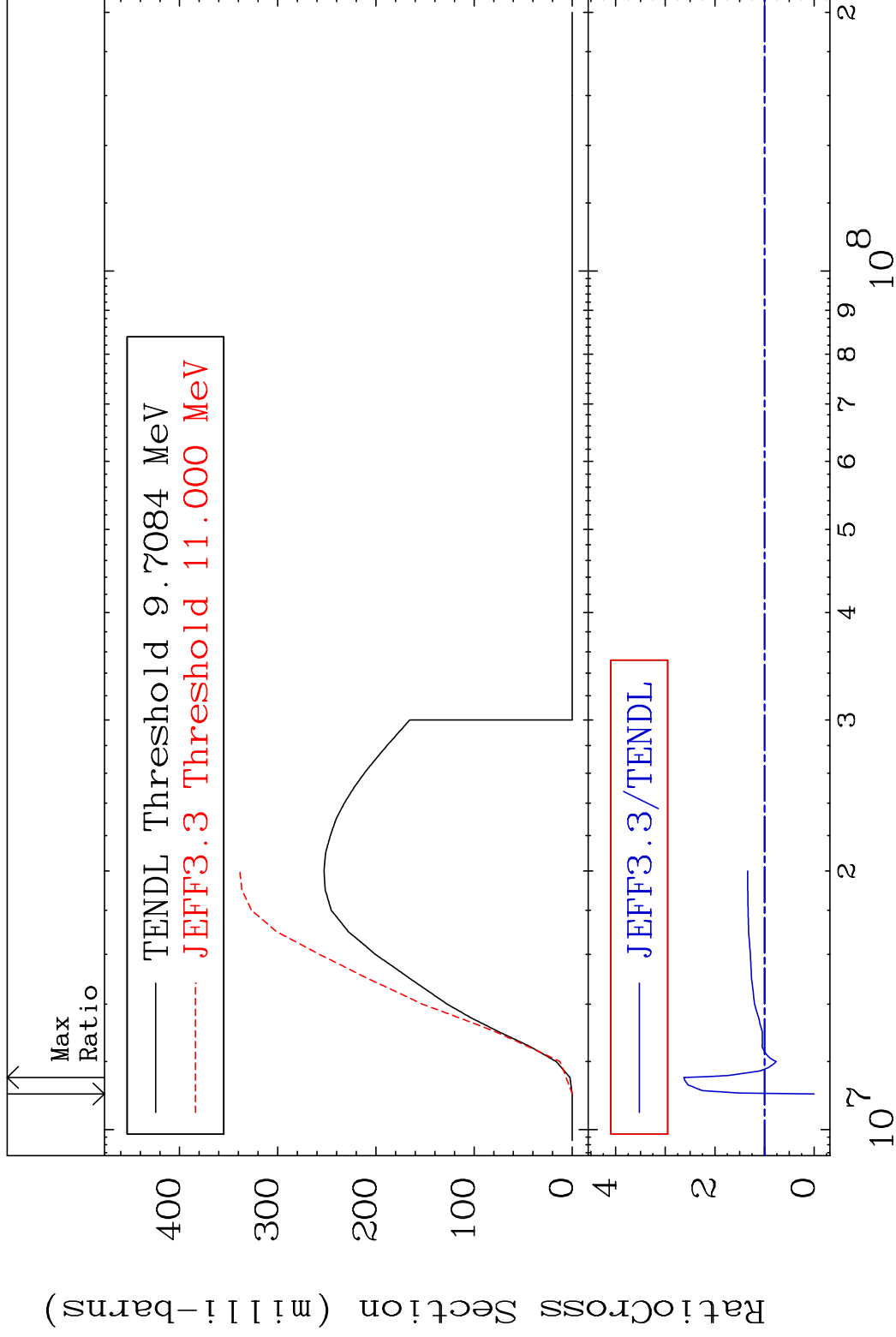
4 4 4 5 6 7 8 9 10⁸ 2 12-Mg-24

MAT 1225

(n, n') α

¹²Mg-24

Cross Section -100.0 To 163.0 %

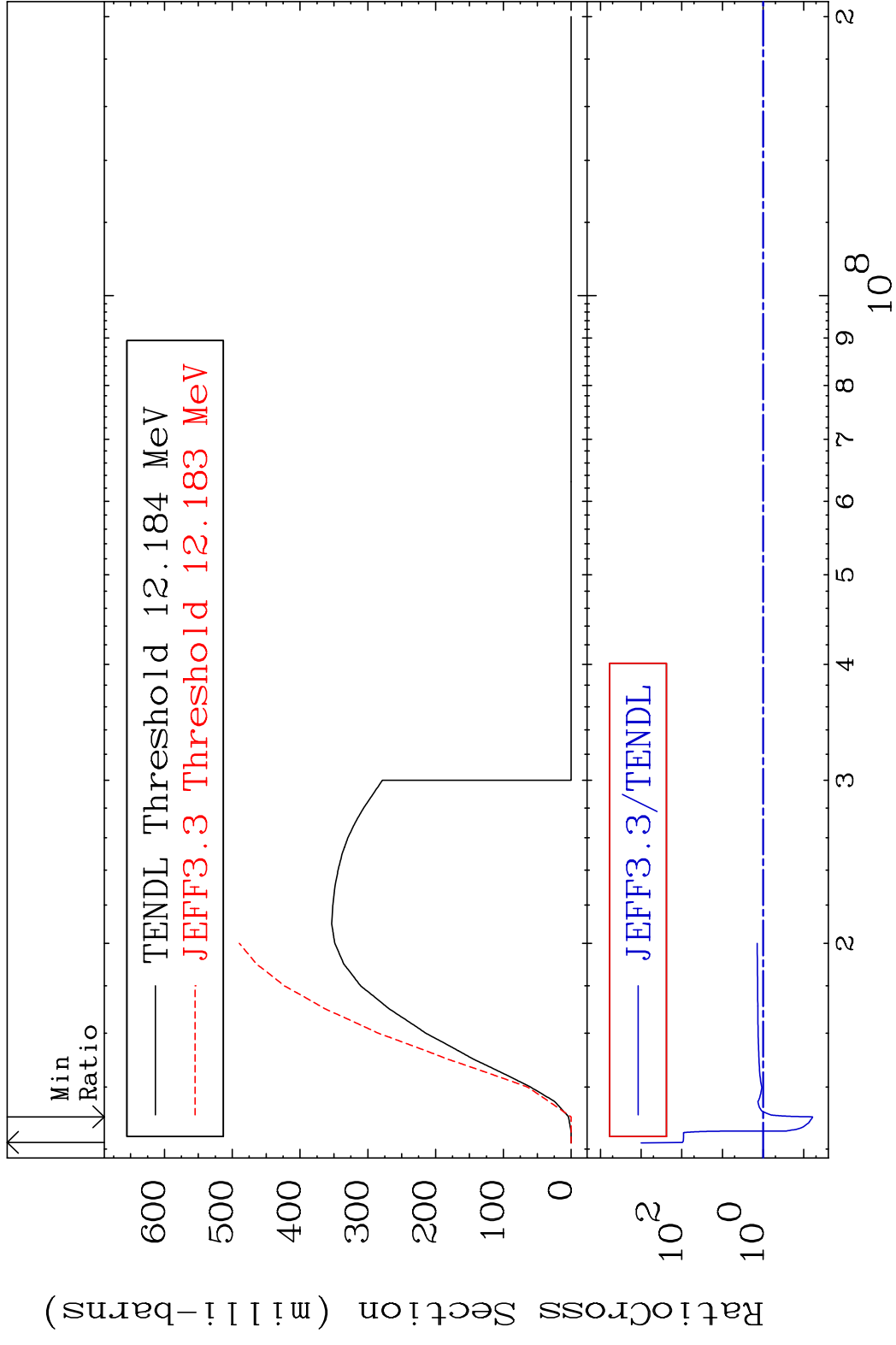


5

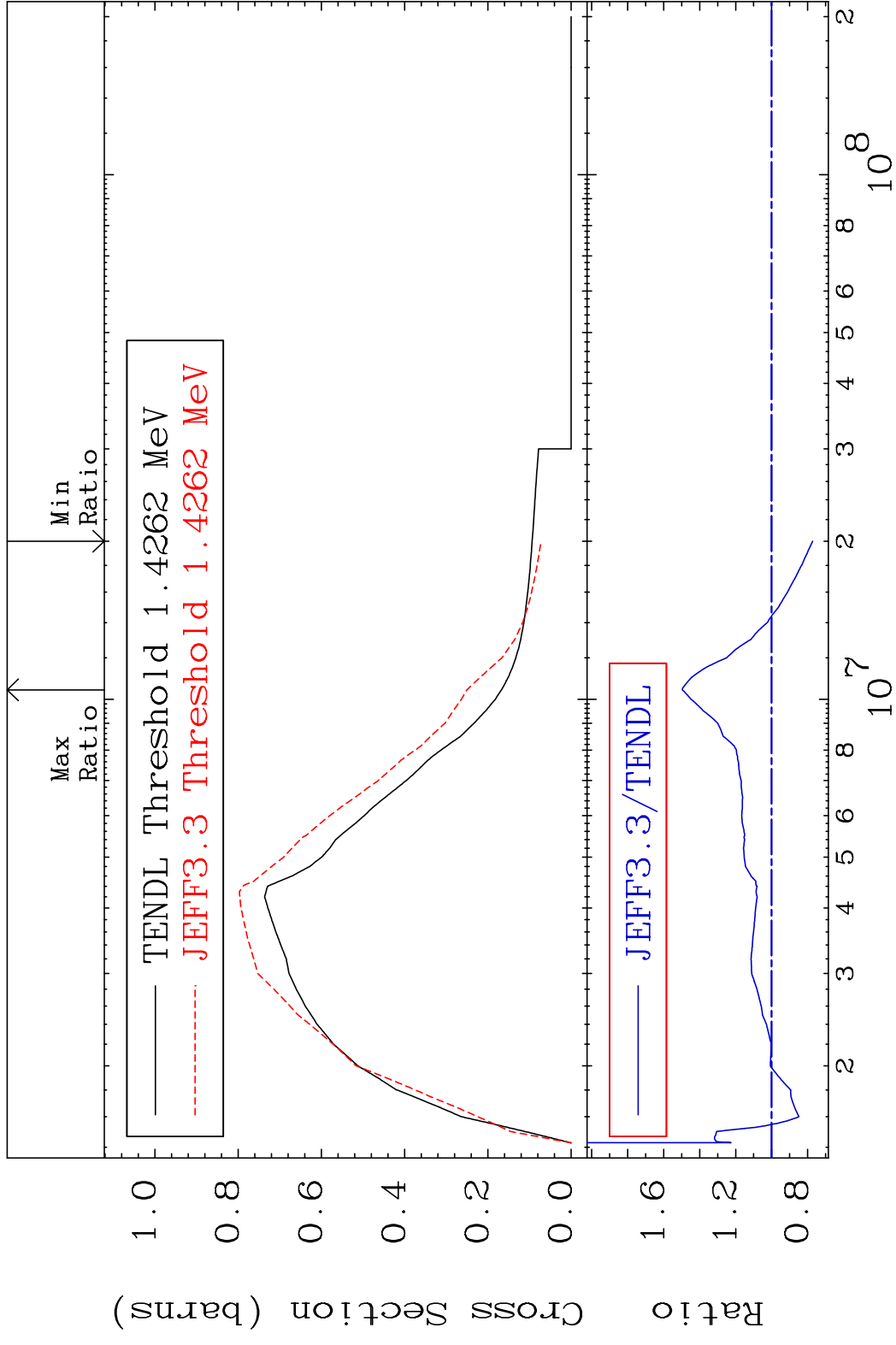
Incident Energy (eV)

¹²Mg-24

MAT 1225 (n, n') p 12-Mg-24
 Cross Section -93.91 To 9573. %

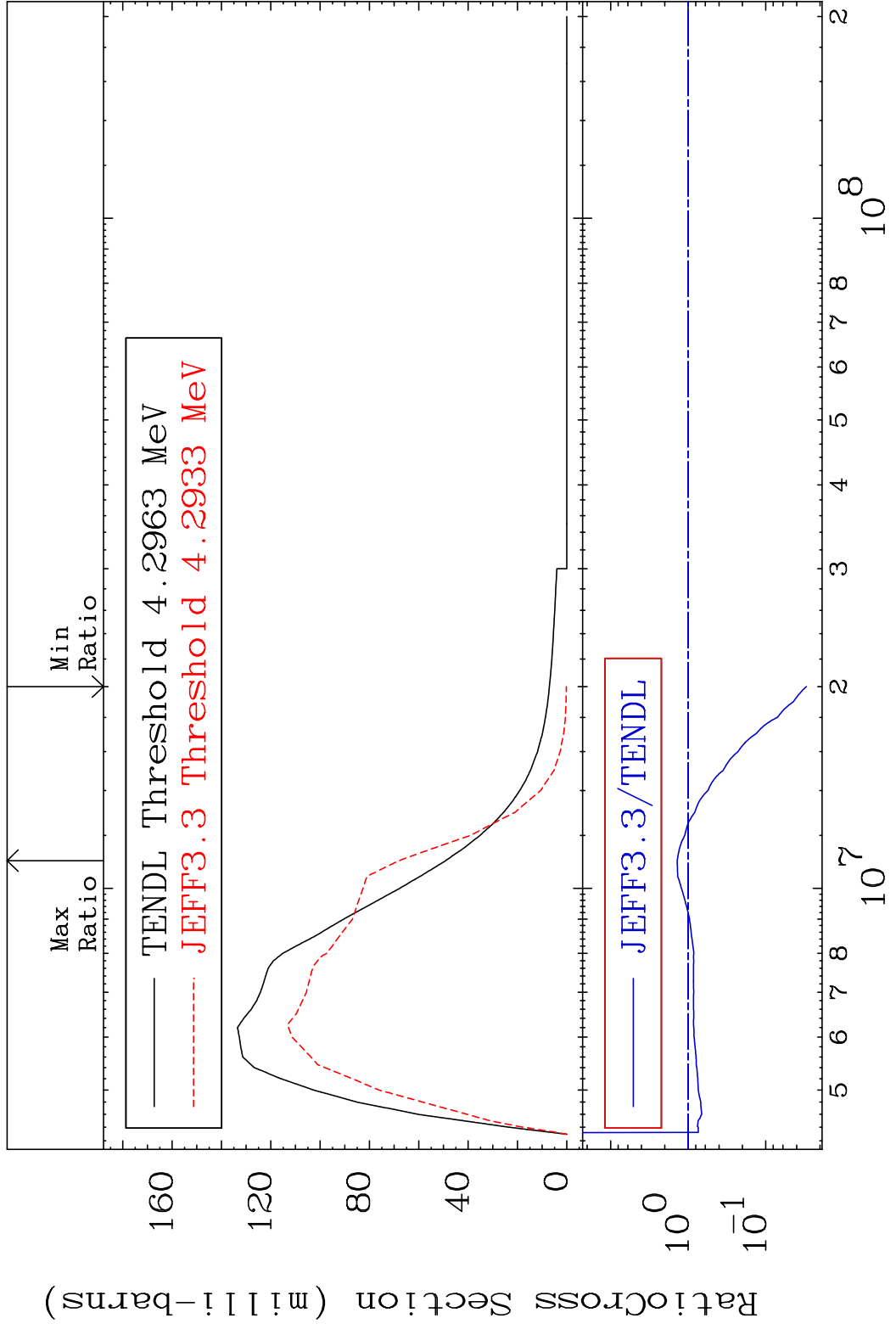


MAT 1225 MT= 51 (n, n') Level 12-Mg-24
 Cross Section -22.74 To 49.62 %

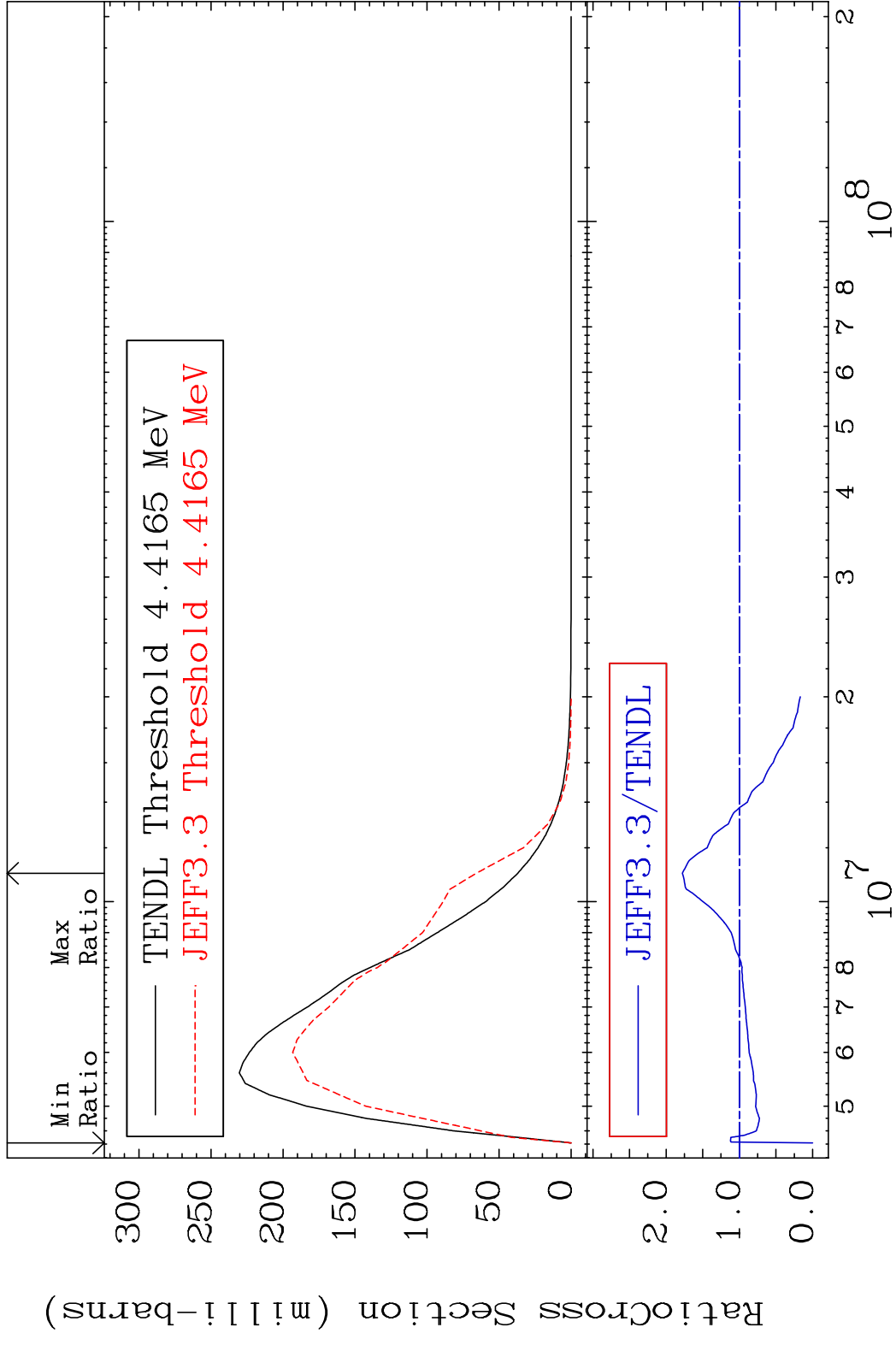


7 Incident Energy (eV) 12-Mg-24

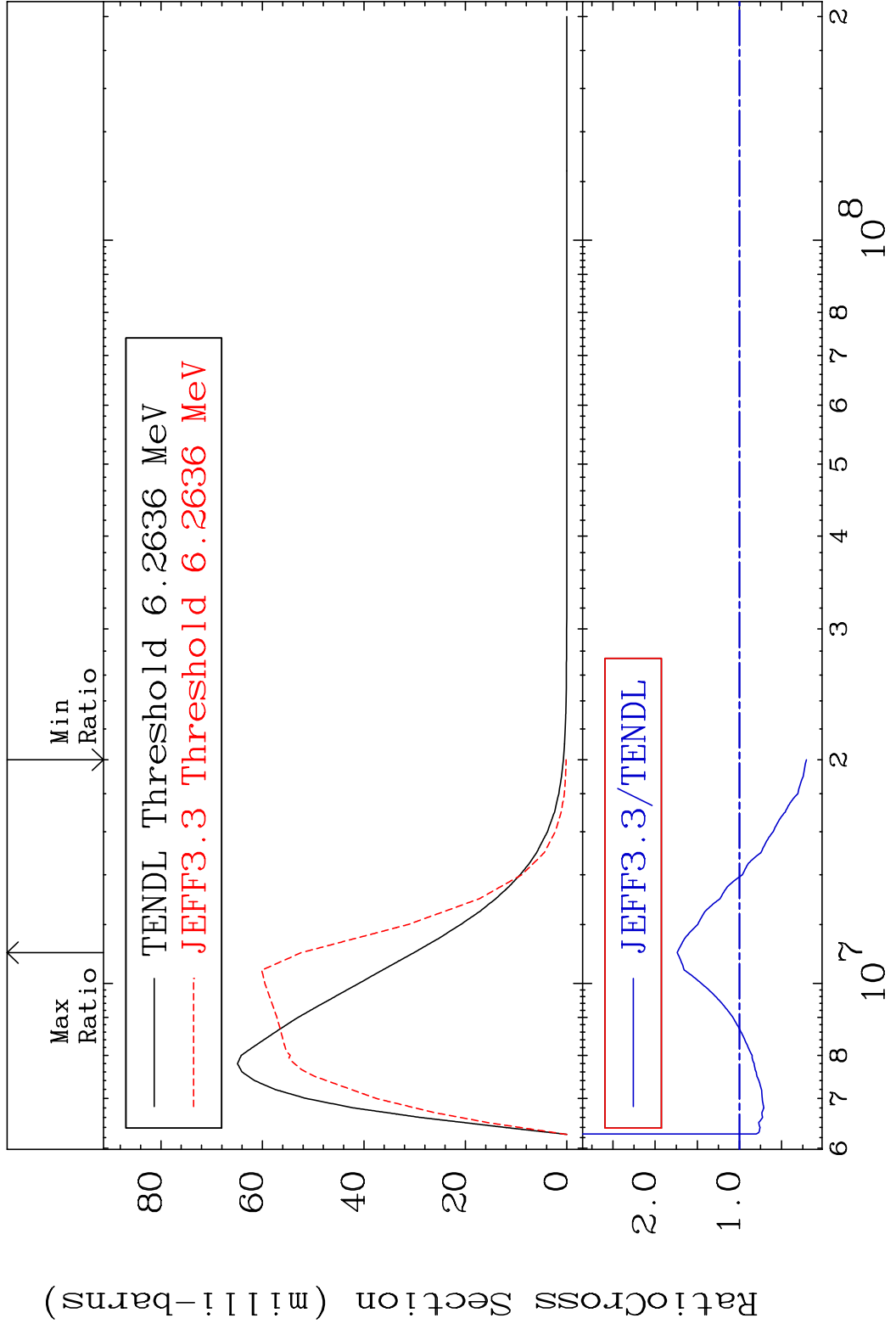
MAT 1225 MT= 52 (n, n') Level 12-Mg-24
 Cross Section -97.01 To 38.50 %



MAT 1225 MT= 53 (n, n') Level 12-Mg-24
 Cross Section -100.0 To 77.82 %

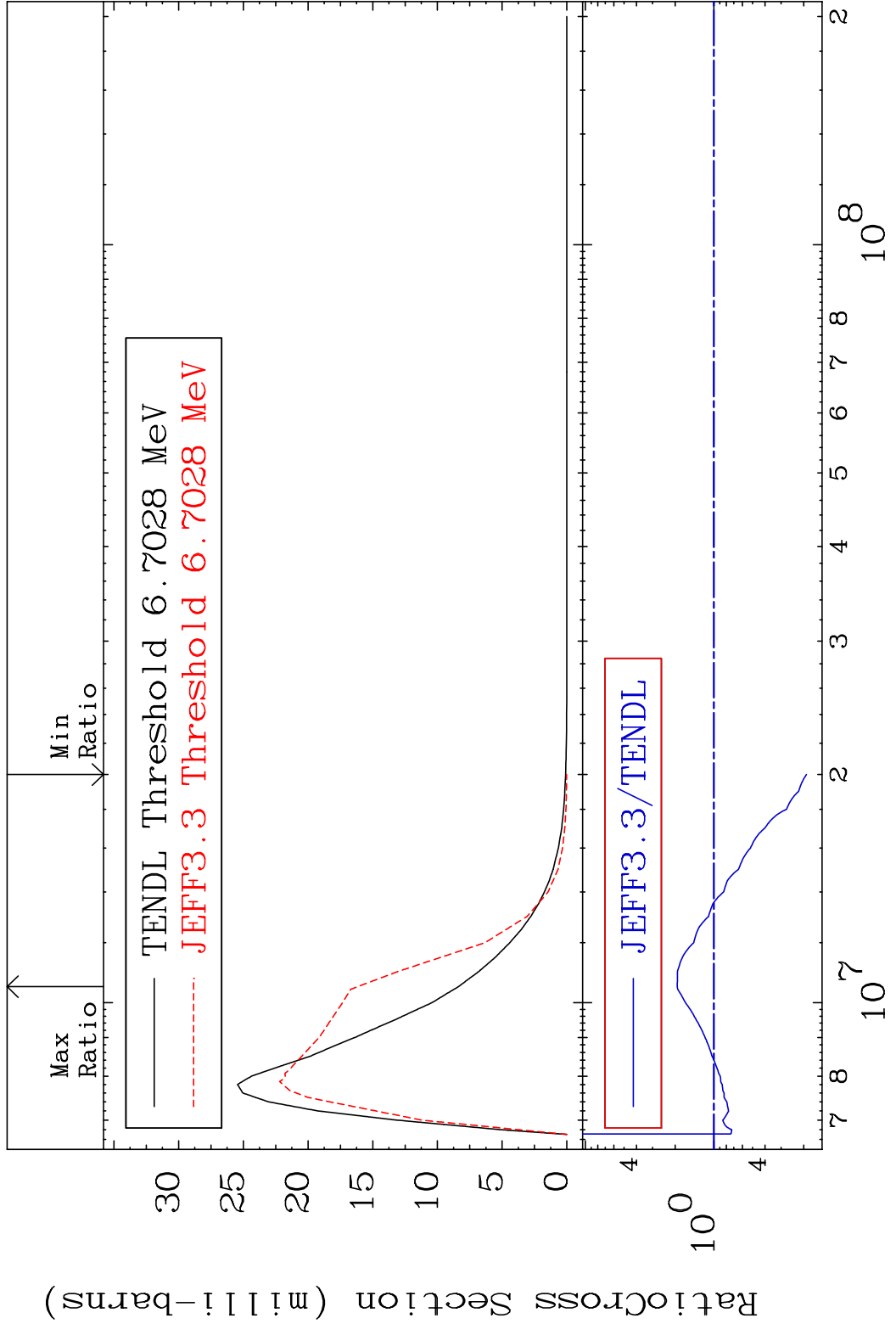


MAT 1225 MT= 55 (n,n') Level 12-Mg-24
 Cross Section -79.35 To 73.84 %



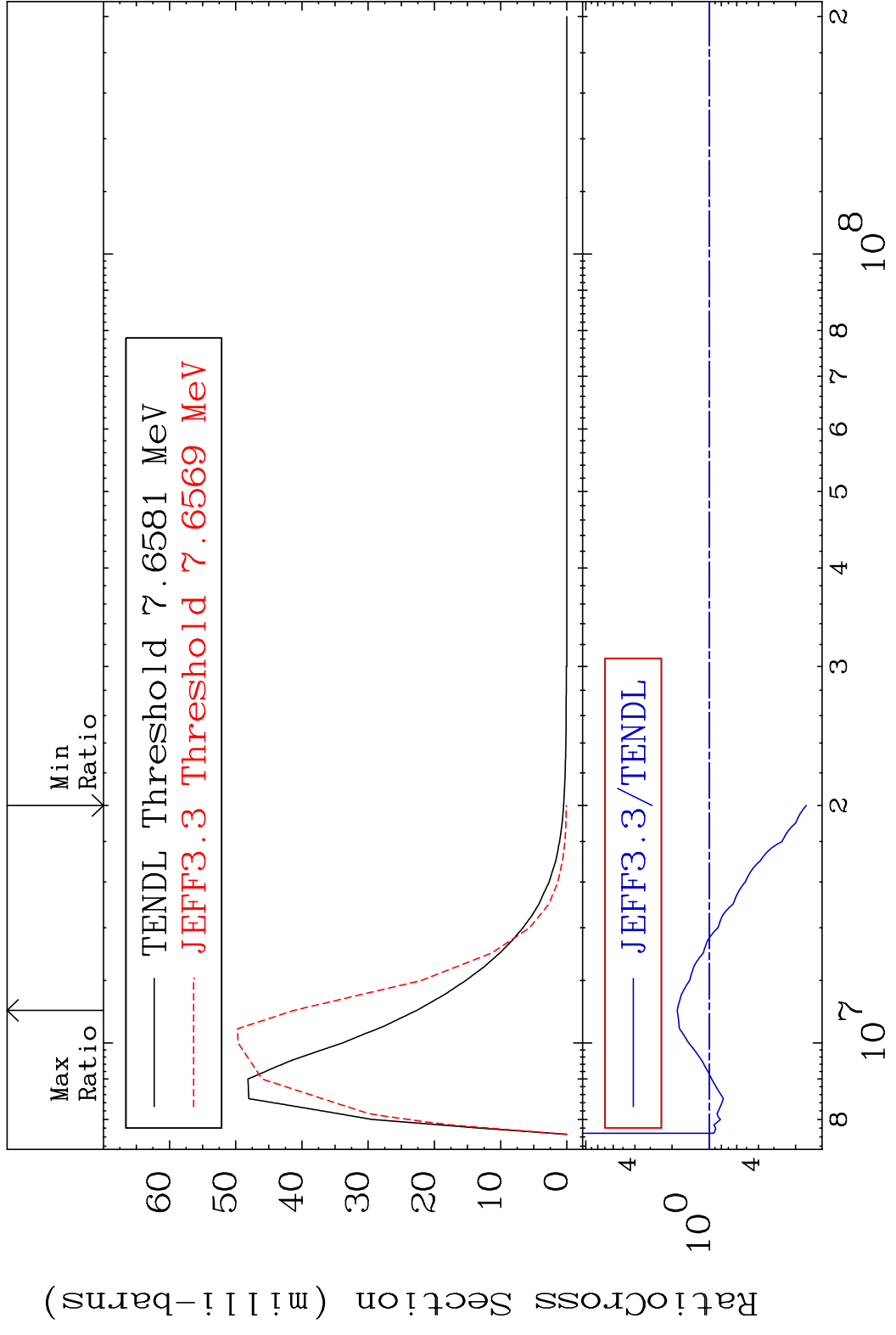
11 Incident Energy (eV) 12-Mg-24

MAT 1225 MT= 56 (n,n') Level 12-Mg-24
 Cross Section -80.95 To 93.05 %

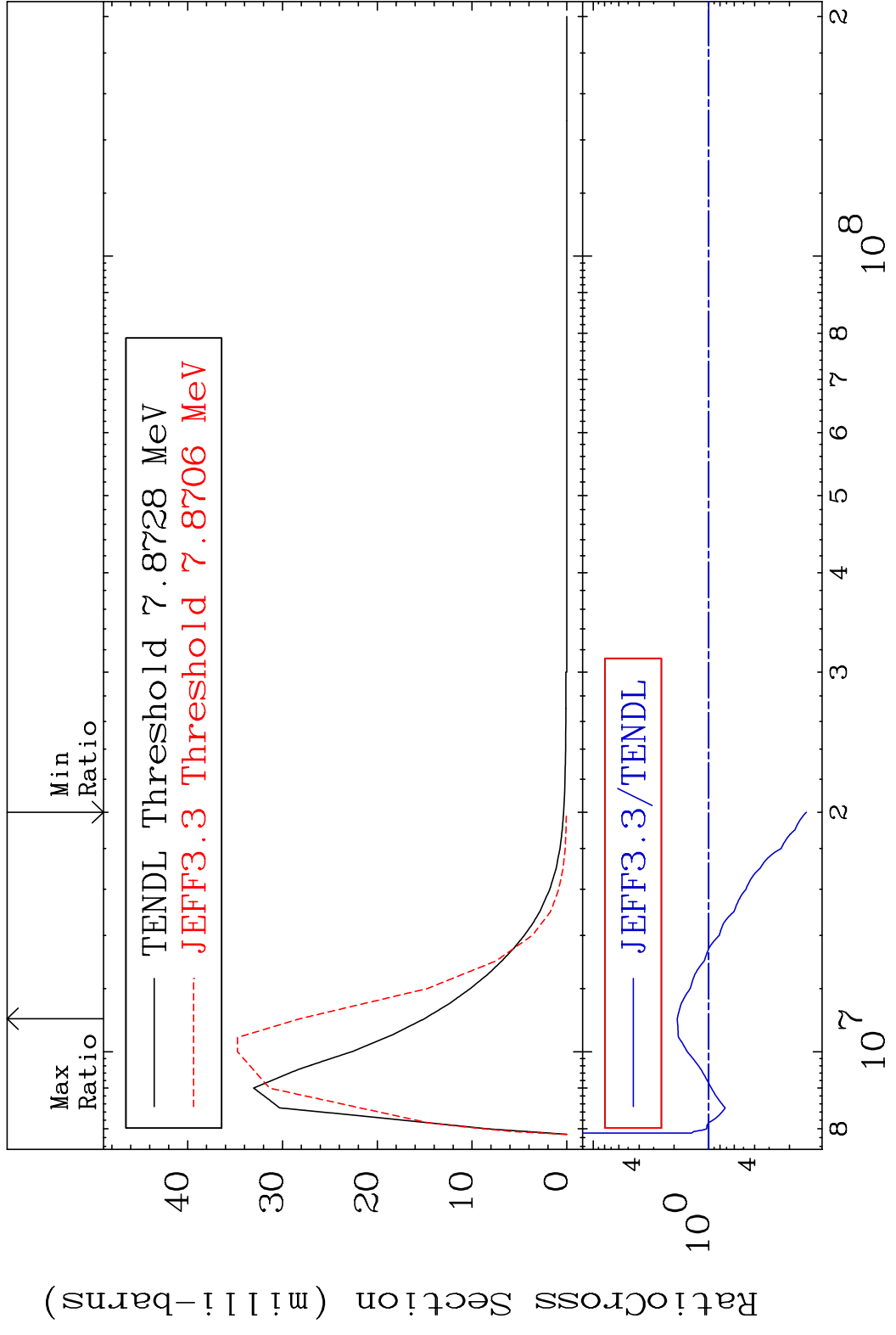


12 12-Mg-24

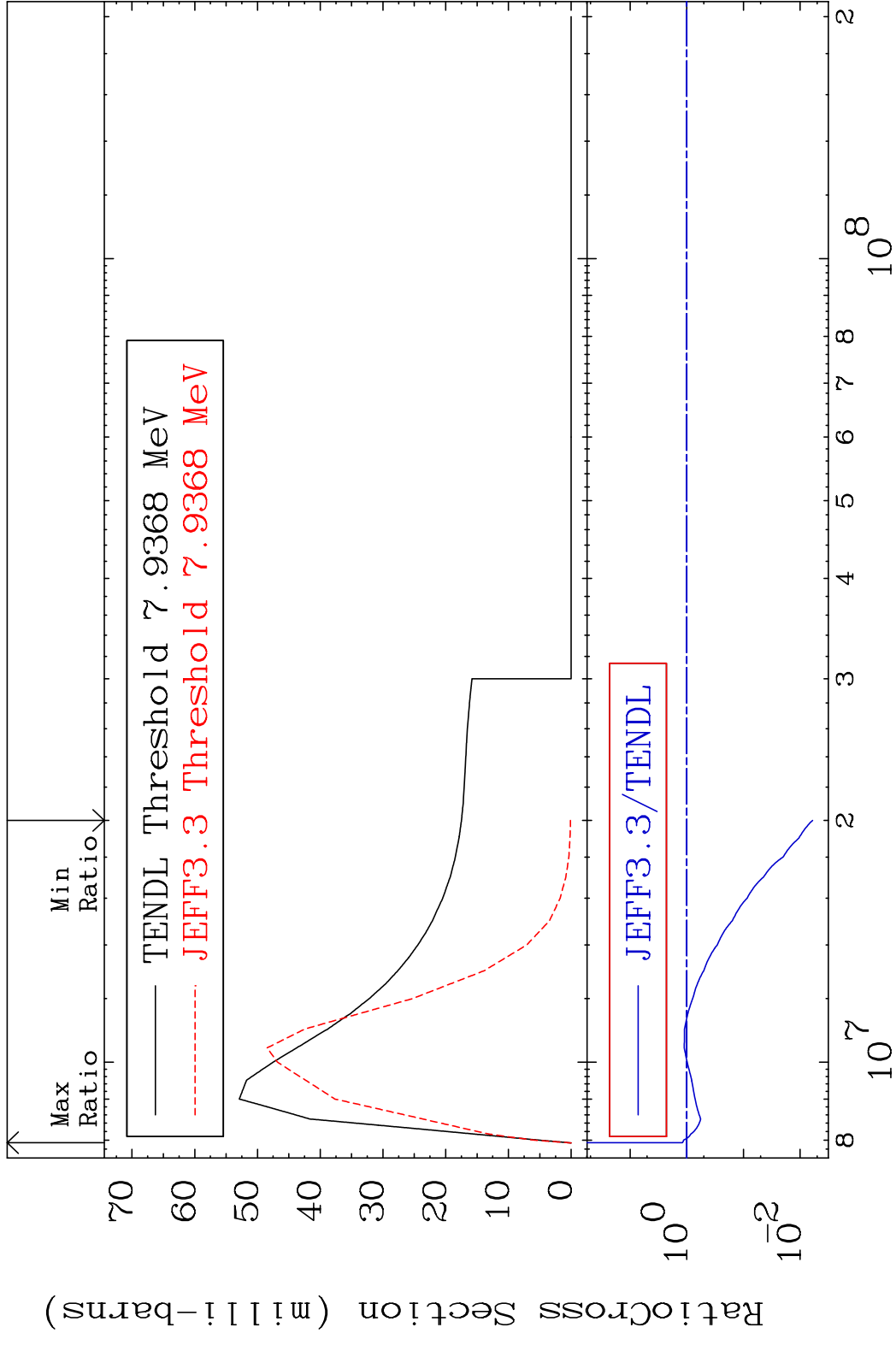
MAT 1225 MT= 57 (n, n') Level 12-Mg-24
 Cross Section -83.63 To 81.87 %



MAT 1225 MT= 58 (n, n') Level 12-Mg-24
 Cross Section -85.74 To 87.61 %

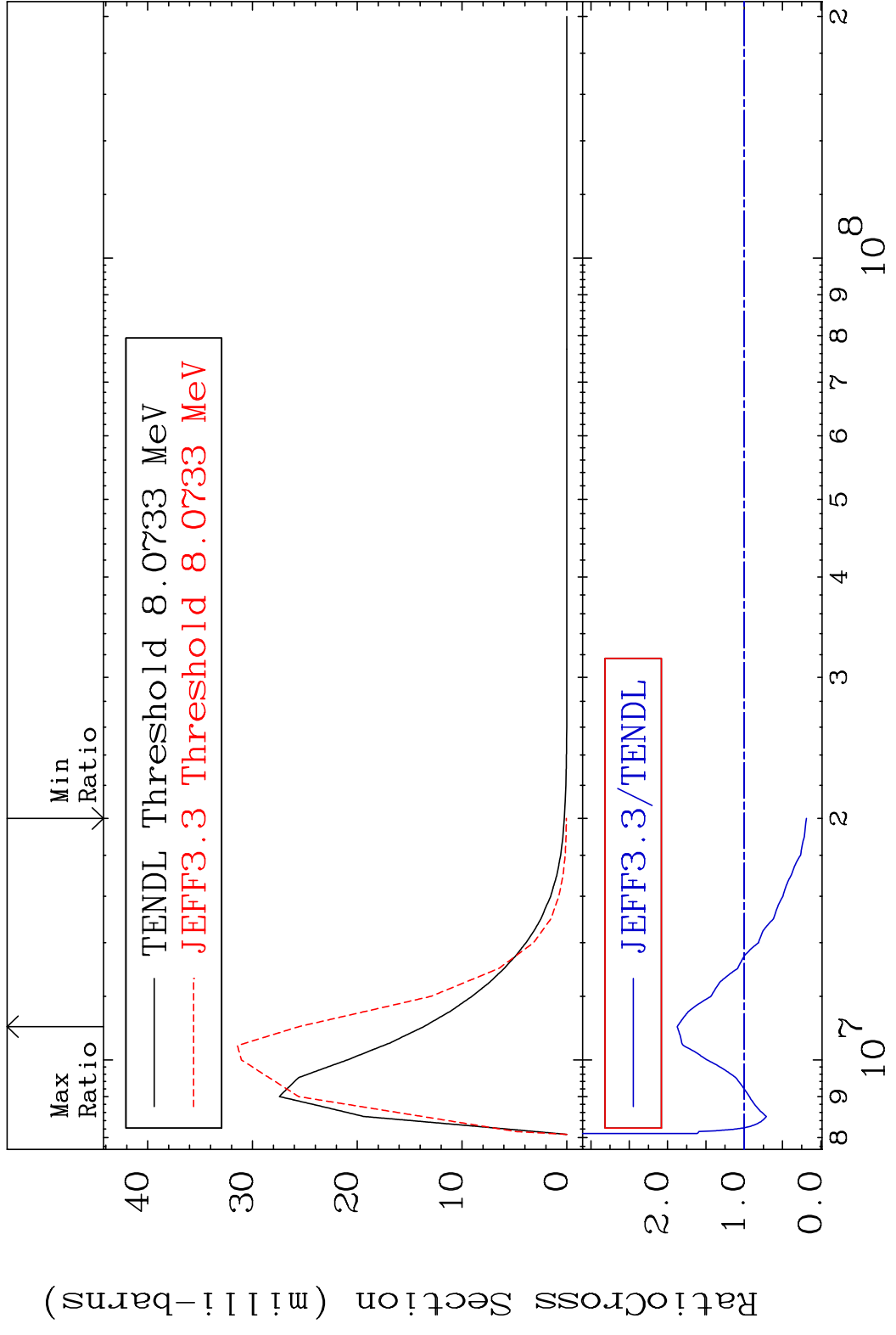


MAT 1225 MT= 59 (n, n') Level 12-Mg-24
 Cross Section -99.40 To 19.56 %

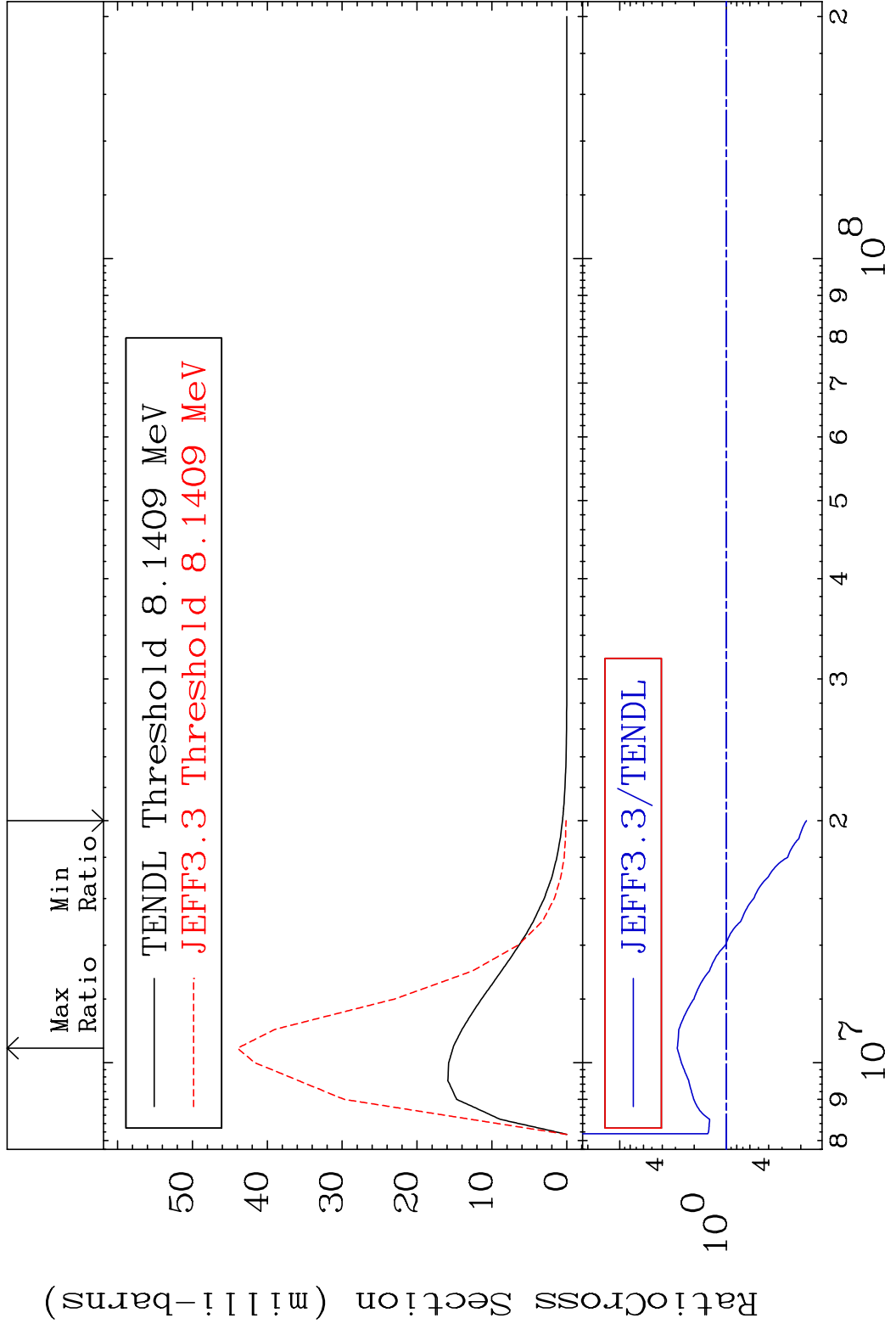


15 Incident Energy (eV) 12-Mg-24

MAT 1225 MT= 60 (n, n') Level 12-Mg-24
 Cross Section -81.13 To 87.45 %



MAT 1225 MT= 61 (n, n') Level 12-Mg-24
 Cross Section -82.30 To 189.2 %



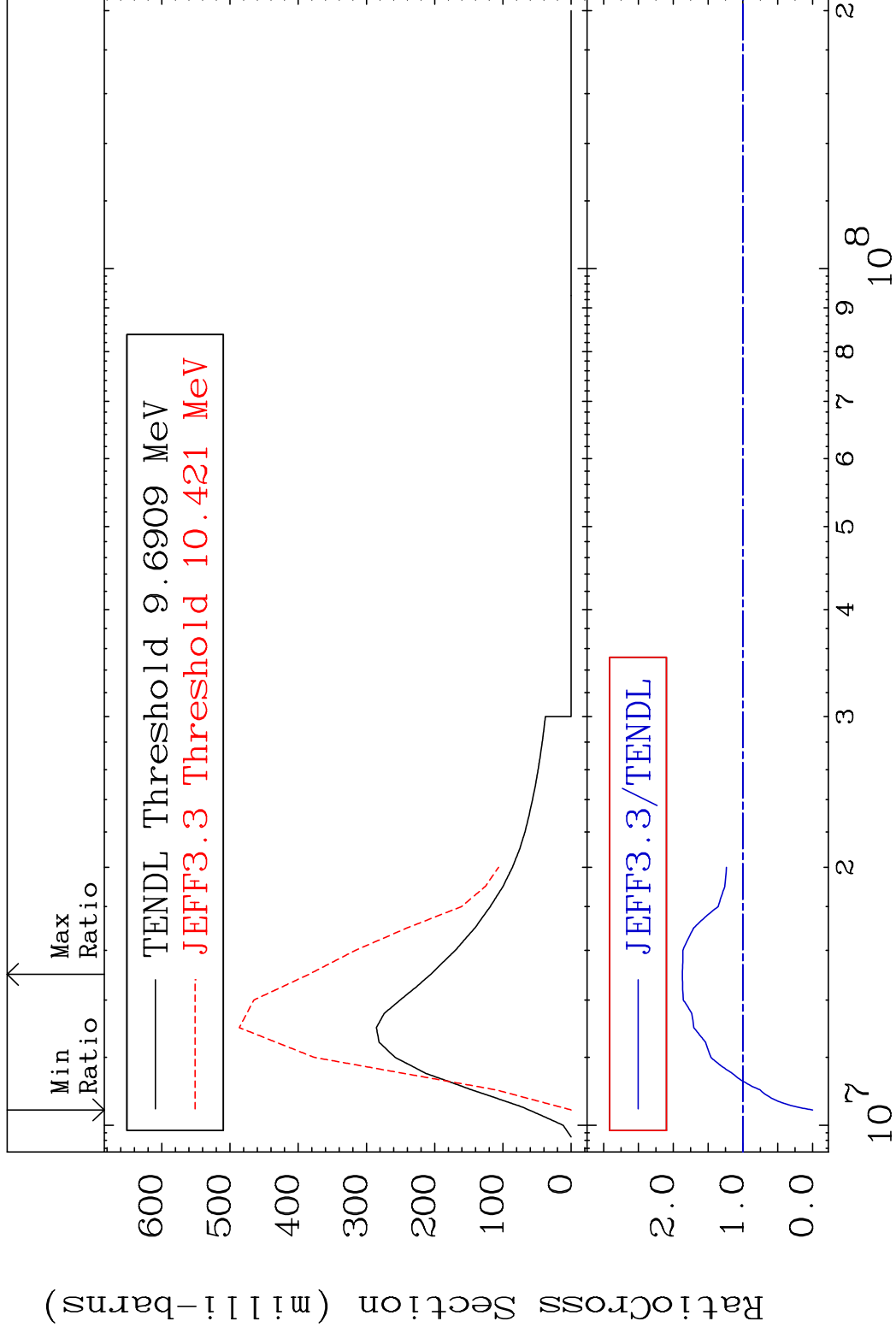
17 12-Mg-24

MAT 1225

(n,n') Continuum

¹²Mg-24

Cross Section -100.0 To 86.96 %



18

Incident Energy (eV)

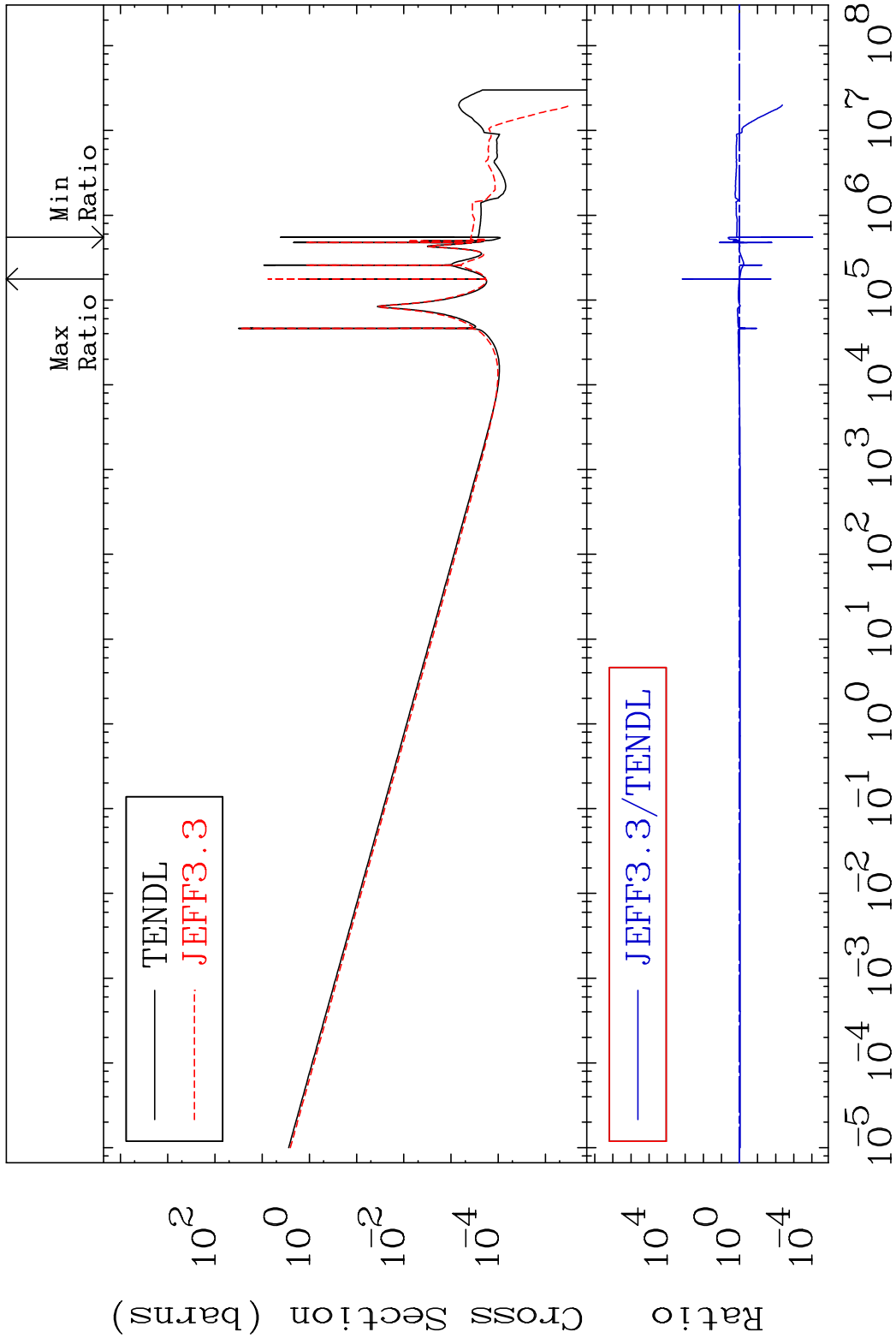
¹²Mg-24

MAT 1225

(n, γ)

12-Mg-24

Cross Section -99.99 To 9999. %



19

Incident Energy (eV)

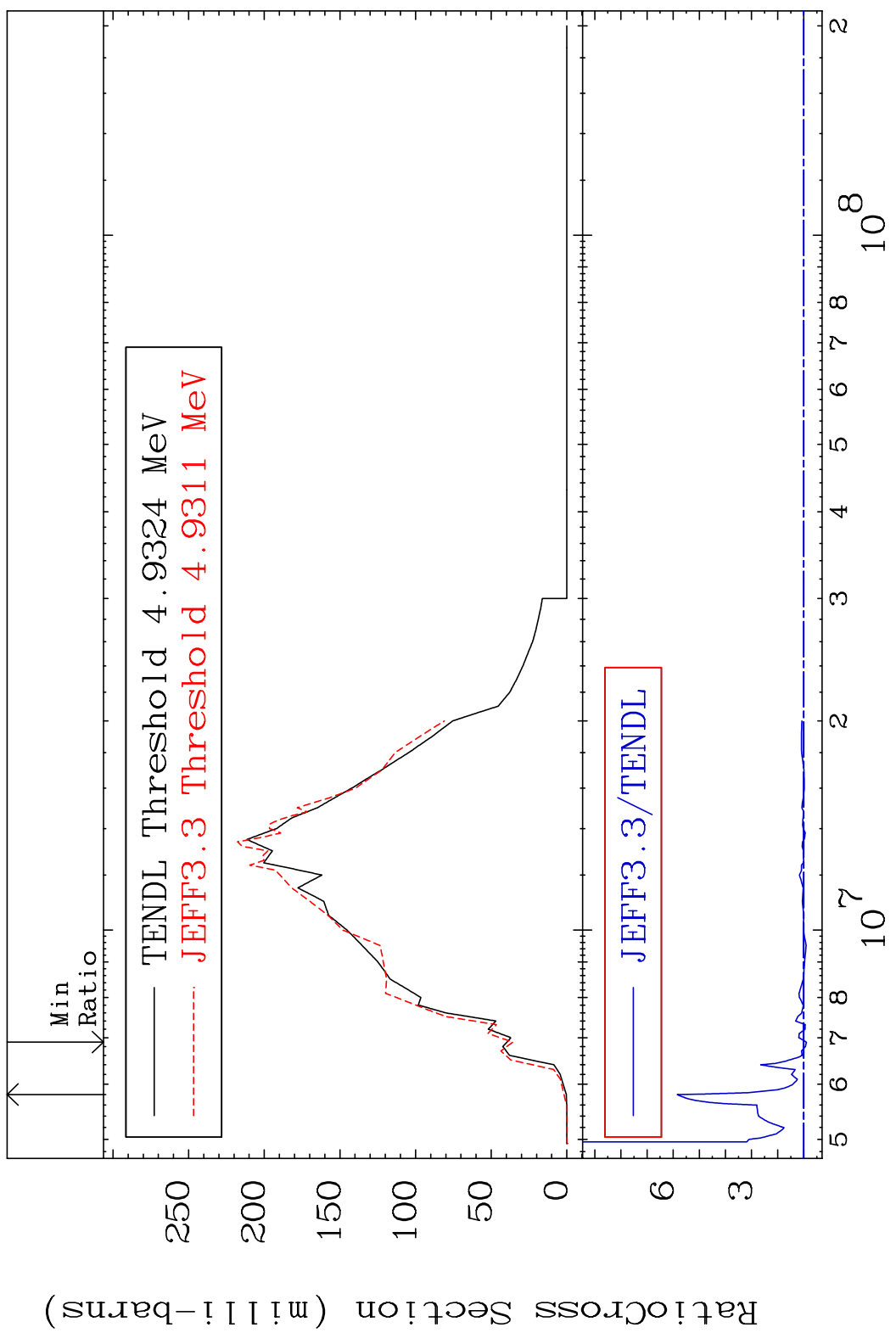
12-Mg-24

MAT 1225

(n, p)

¹²Mg-24

Cross Section -9.858 To 484.6 %



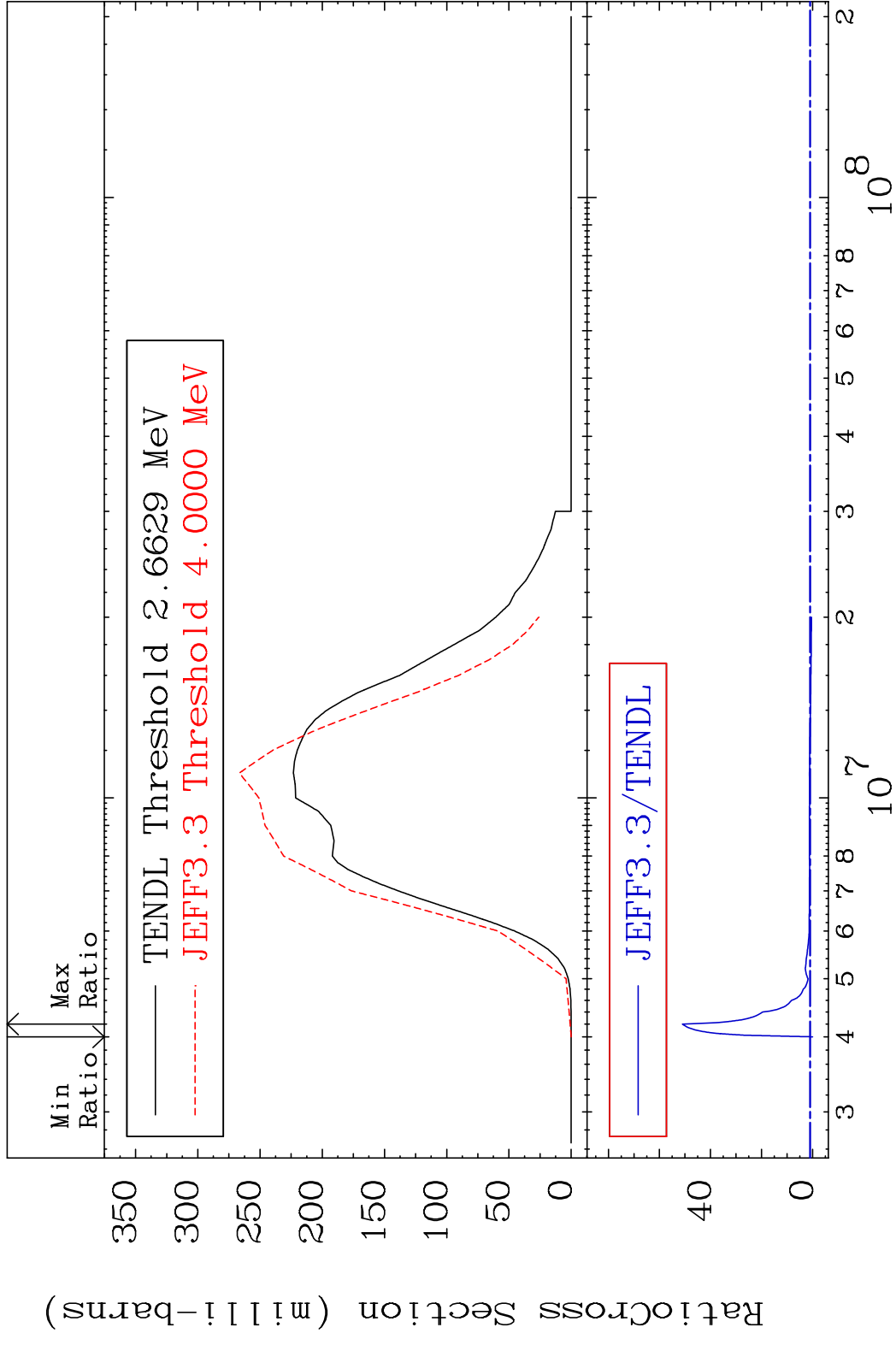
Ratio Cross Section (milli-barns)

20

Incident Energy (eV)

¹²Mg-24

MAT 1225 (n, α) 12-Mg-24
 Cross Section -100.0 To 5003. %

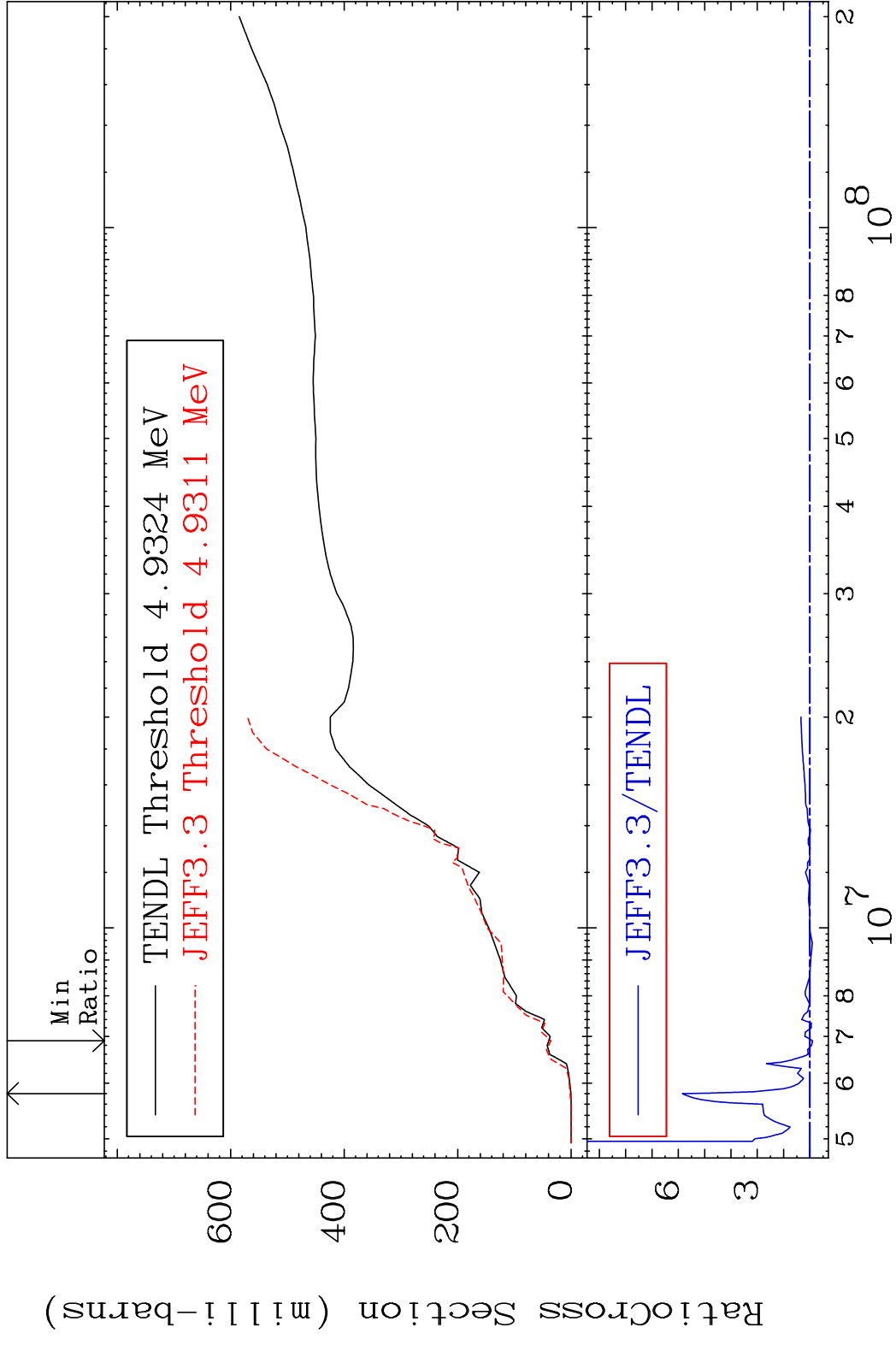


MAT 1225

Hydrogen Production

12-Mg-24

Cross Section -9.858 To 484.6 %

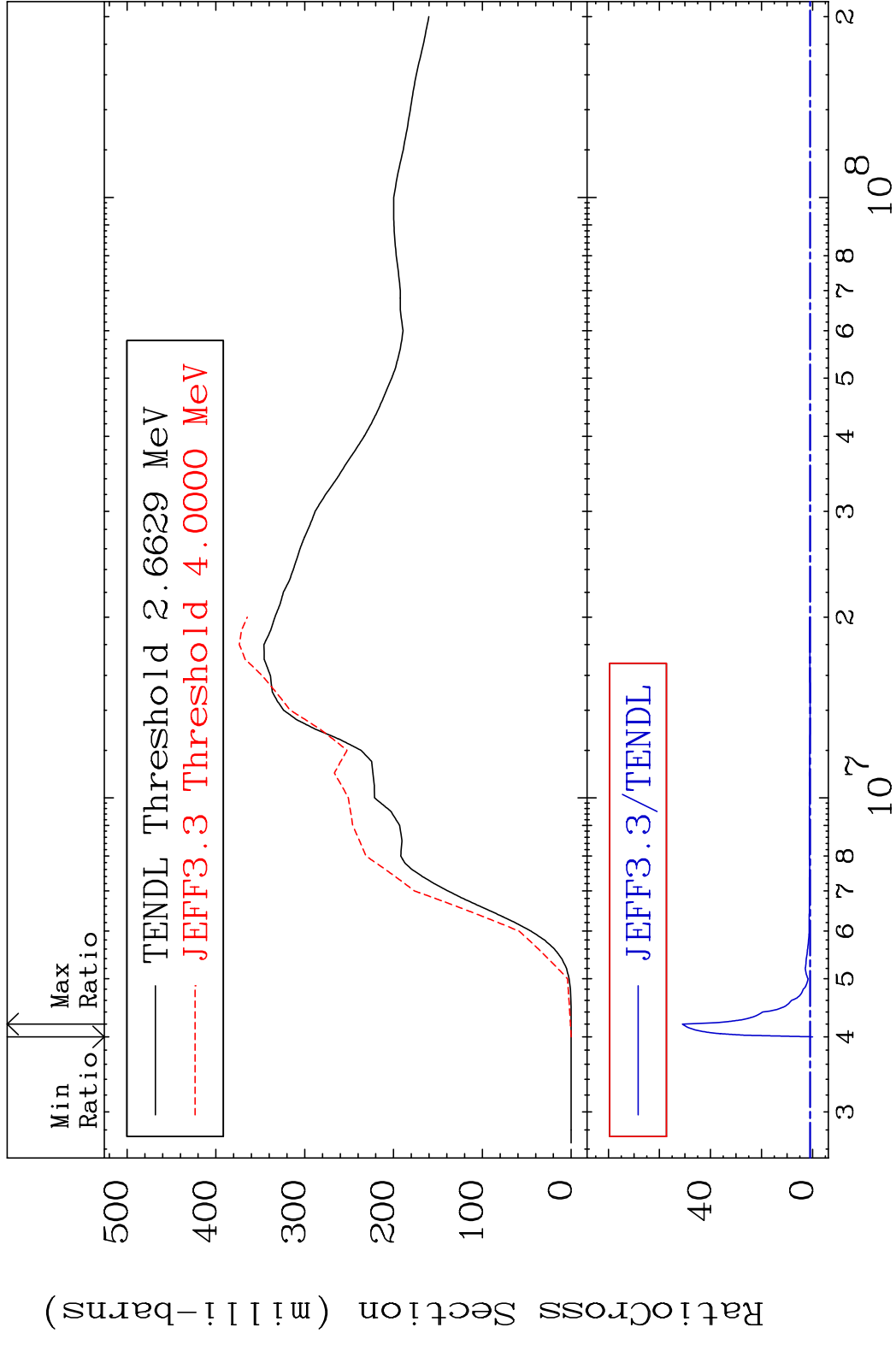


MAT 1225

He-4 Production

¹²Mg-24

Cross Section -100.0 To 5003. %

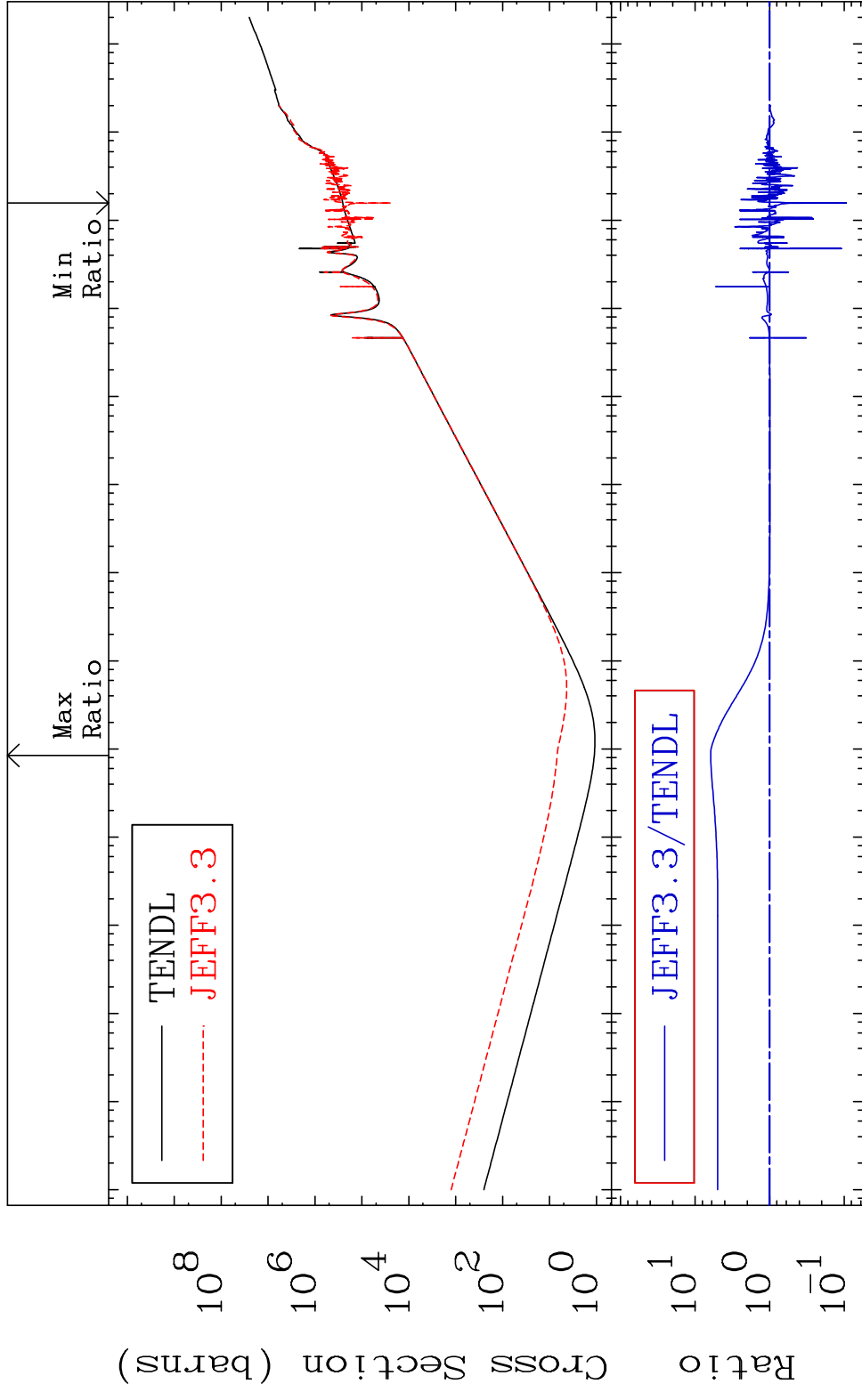


23

Incident Energy (eV)

¹²Mg-24

MAT 1225 Kerma total (eV-barns) 12-Mg-24
 Cross Section -90.63 To 517.9 %

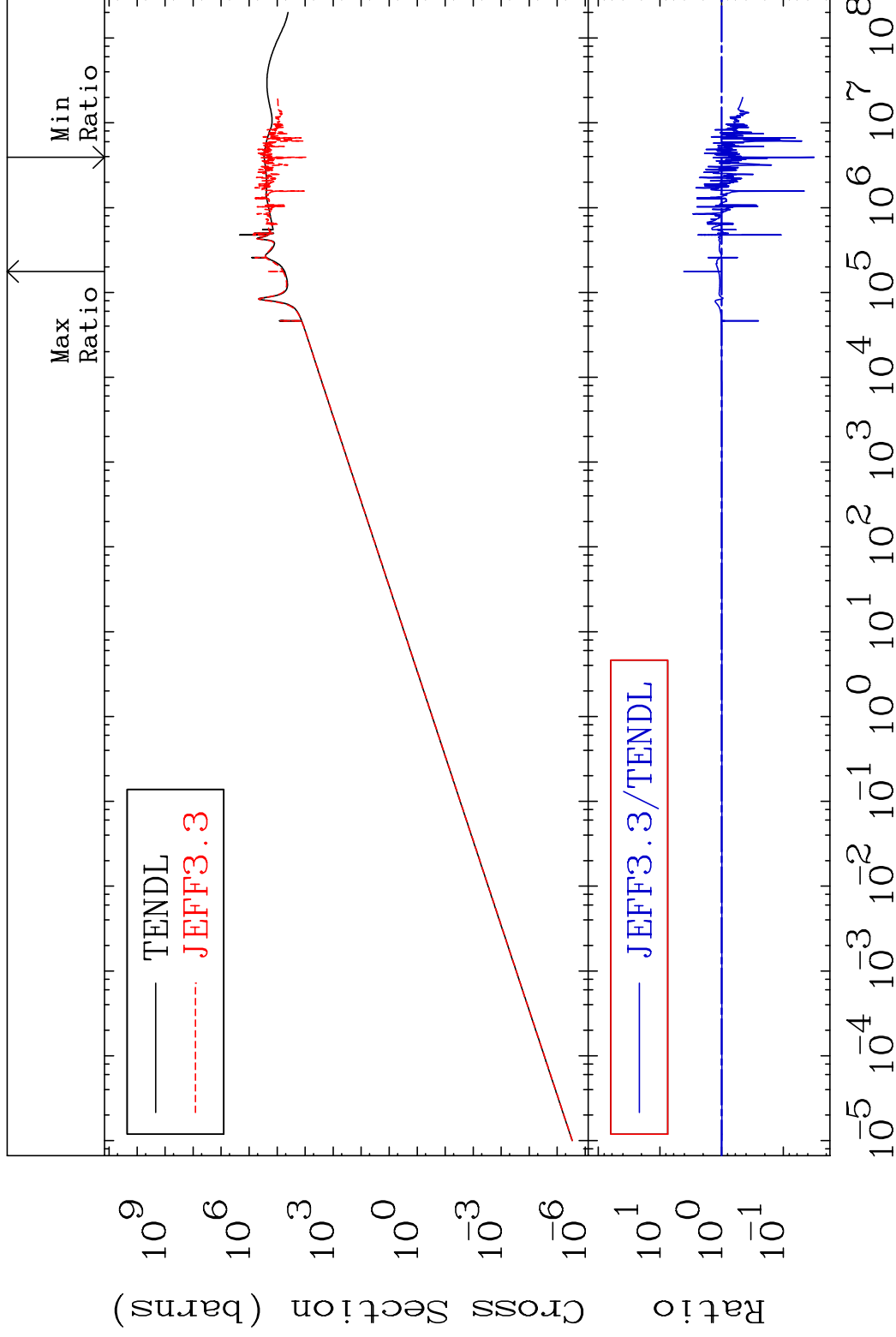


24 Incident Energy (eV) 12-Mg-24

MAT 1225

Kerma elastic
Cross Section

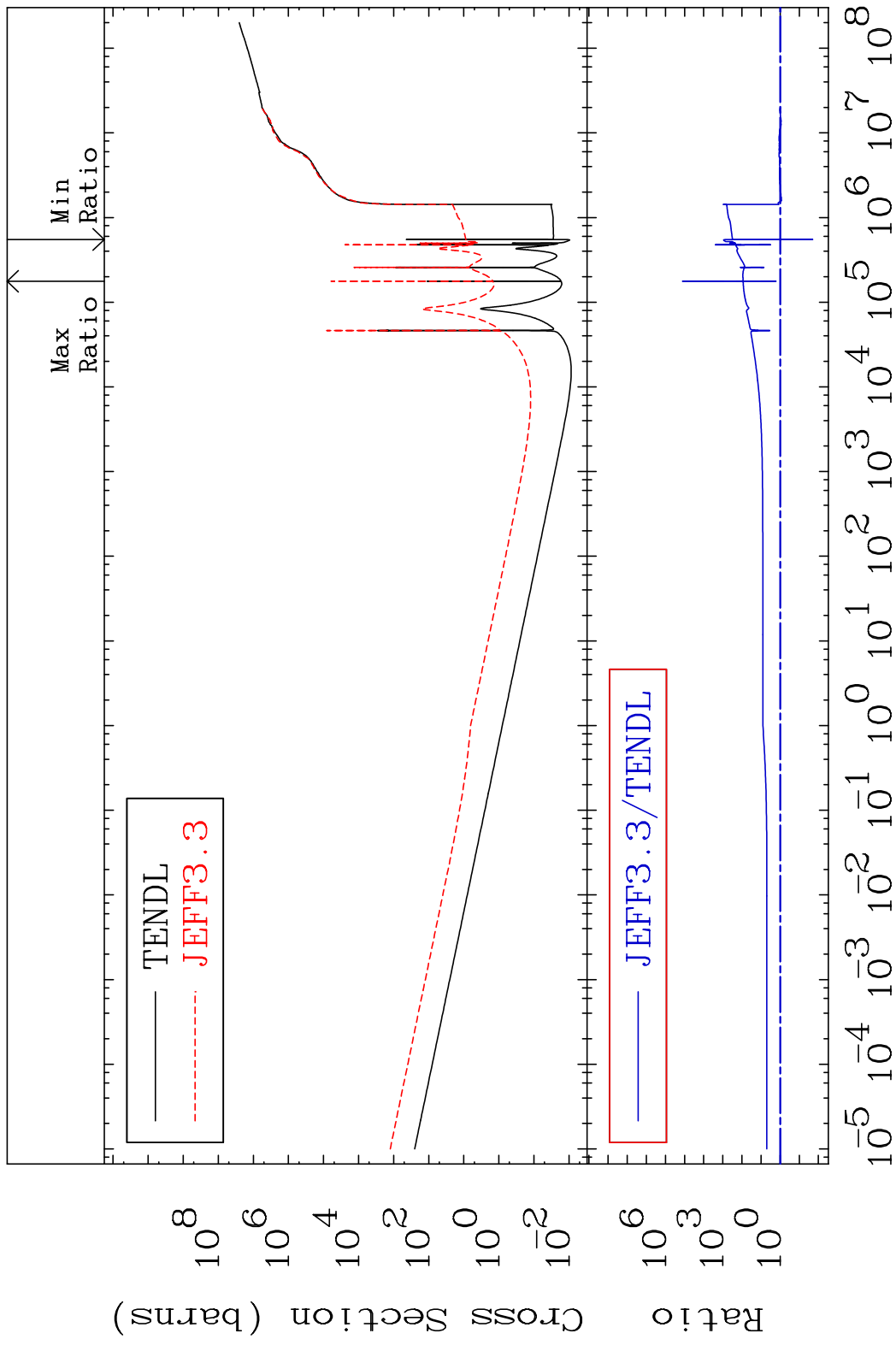
12-Mg-24
-96.84 To 312.4 %



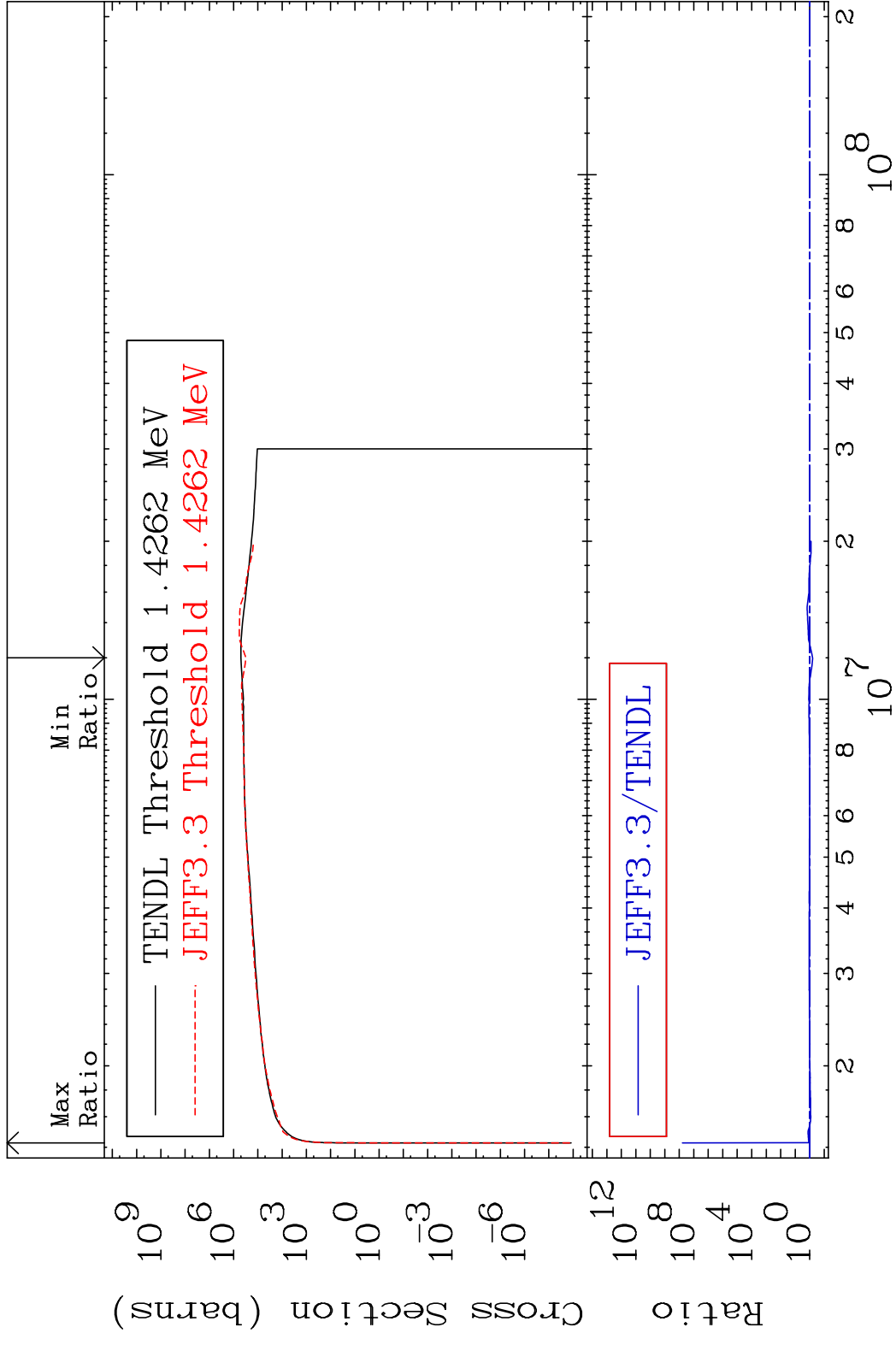
25

12-Mg-24

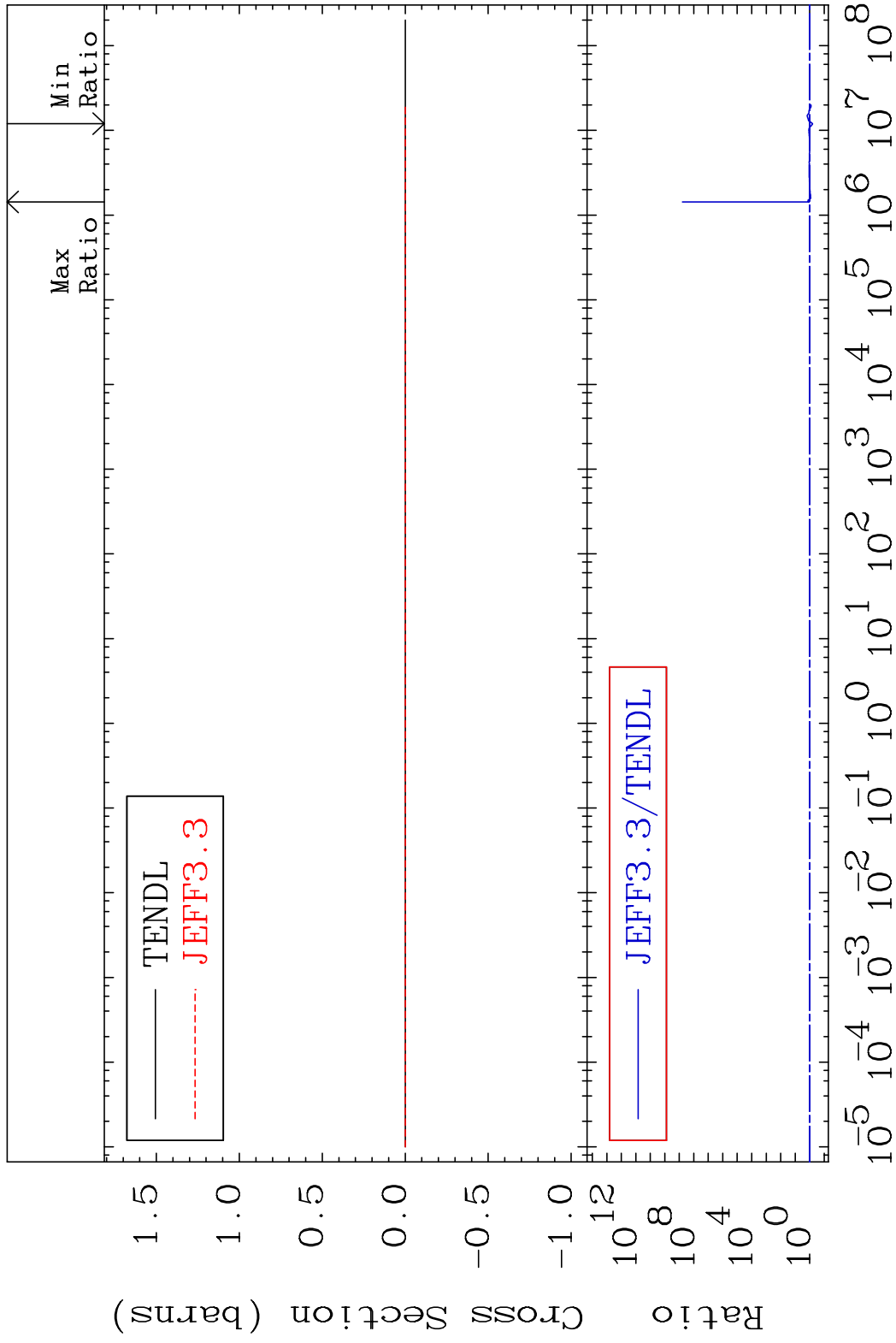
MAT 1225 Kerma non-elastic (all but mt2) 12-Mg-24
 Cross Section -97.97 To 9999. %



MAT 1225 Kerma inelastic (mt51-91) 12-Mg-24
 Cross Section -36.84 To 9999. %

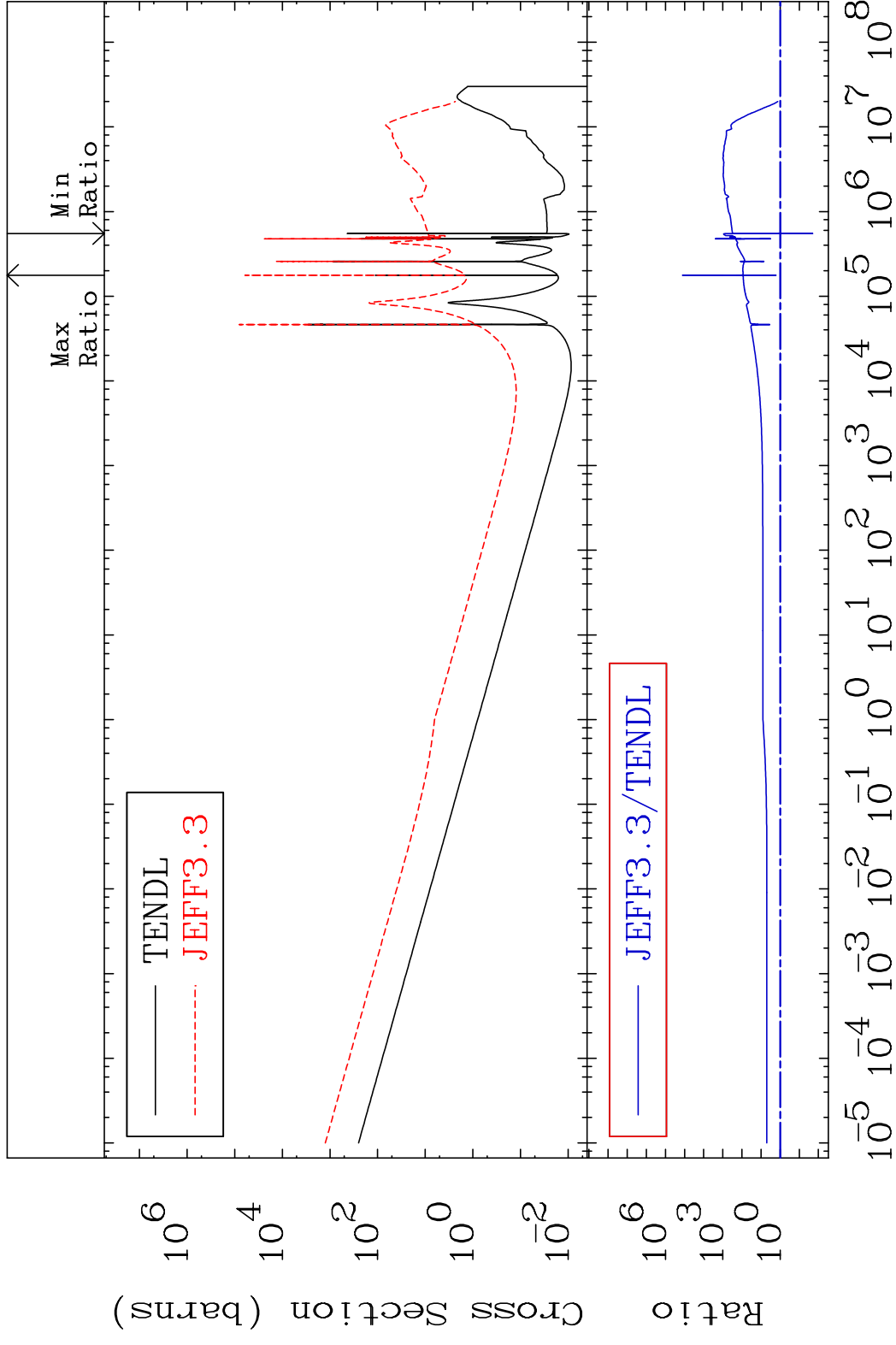


MAT 1225 Kerma fission (mt18 or mt19-20-21-38) 12-Mg-24
 Cross Section -36.84 To 9999. %



MAT 1225

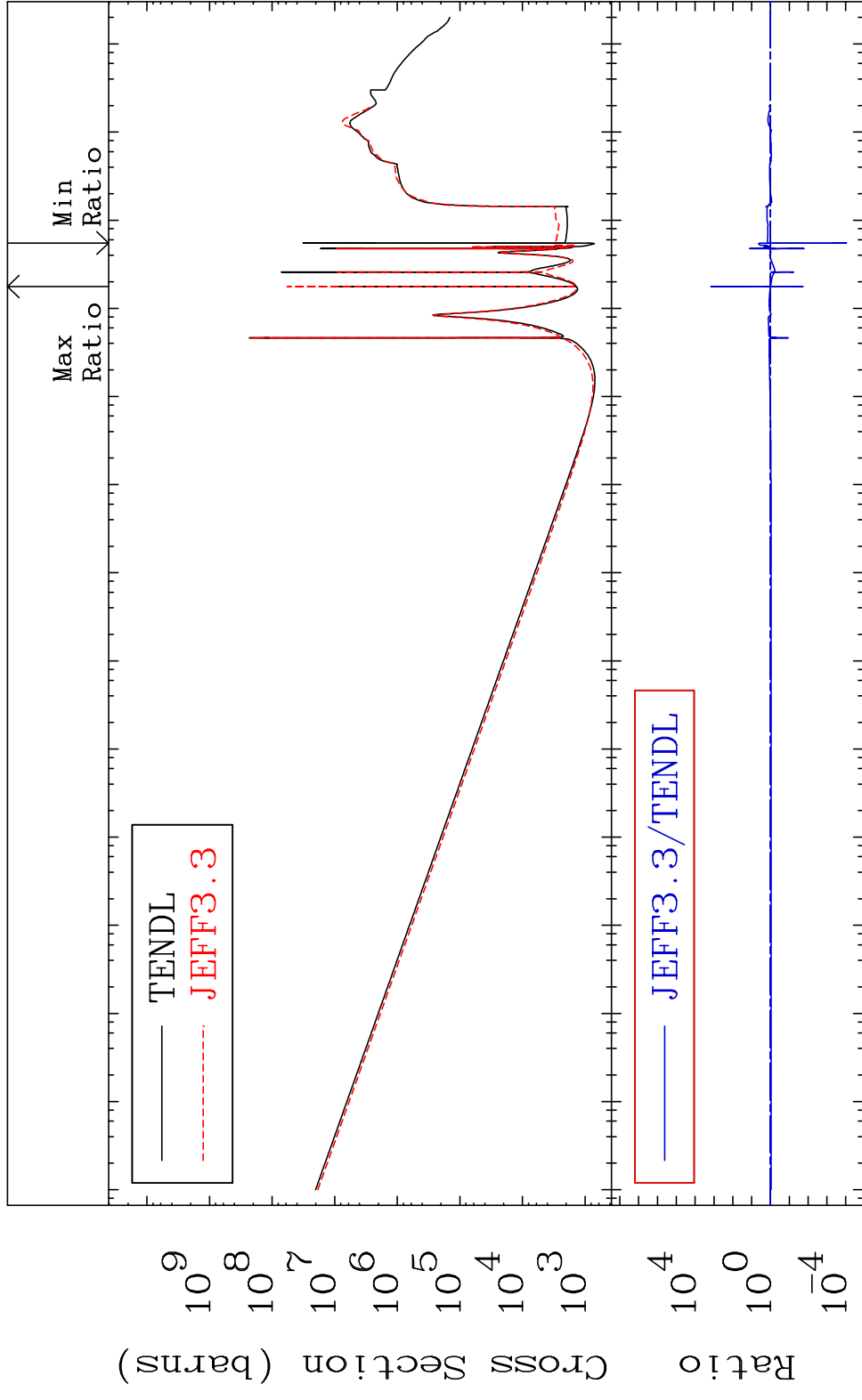
Kerma capture (mt102) 12-Mg-24
Cross Section -97.97 To 9999. %



29

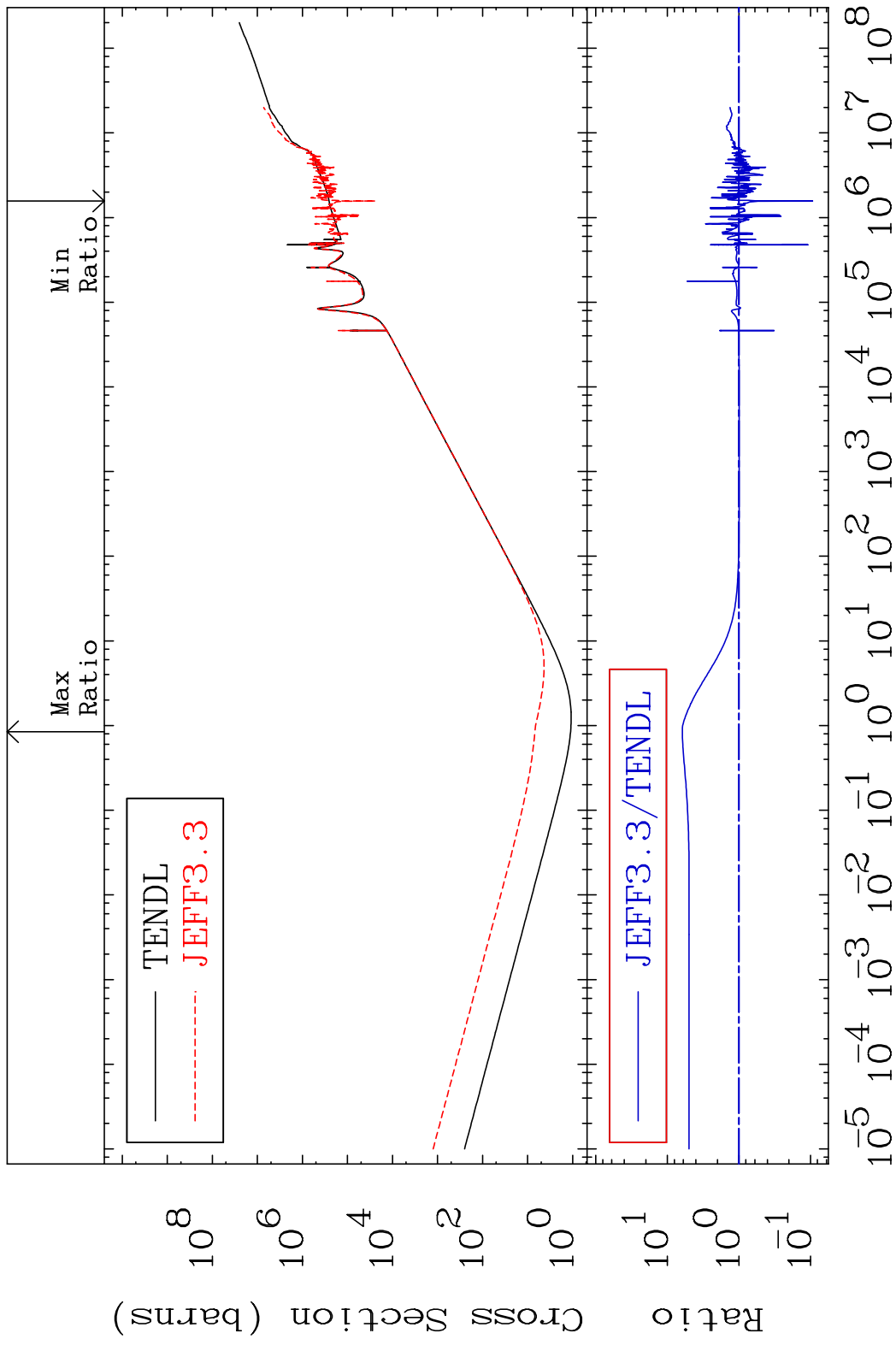
Incident Energy (eV) 12-Mg-24

MAT 1225 Total photon (eV-barns) 12-Mg-24
 Cross Section -99.99 To 9999. %

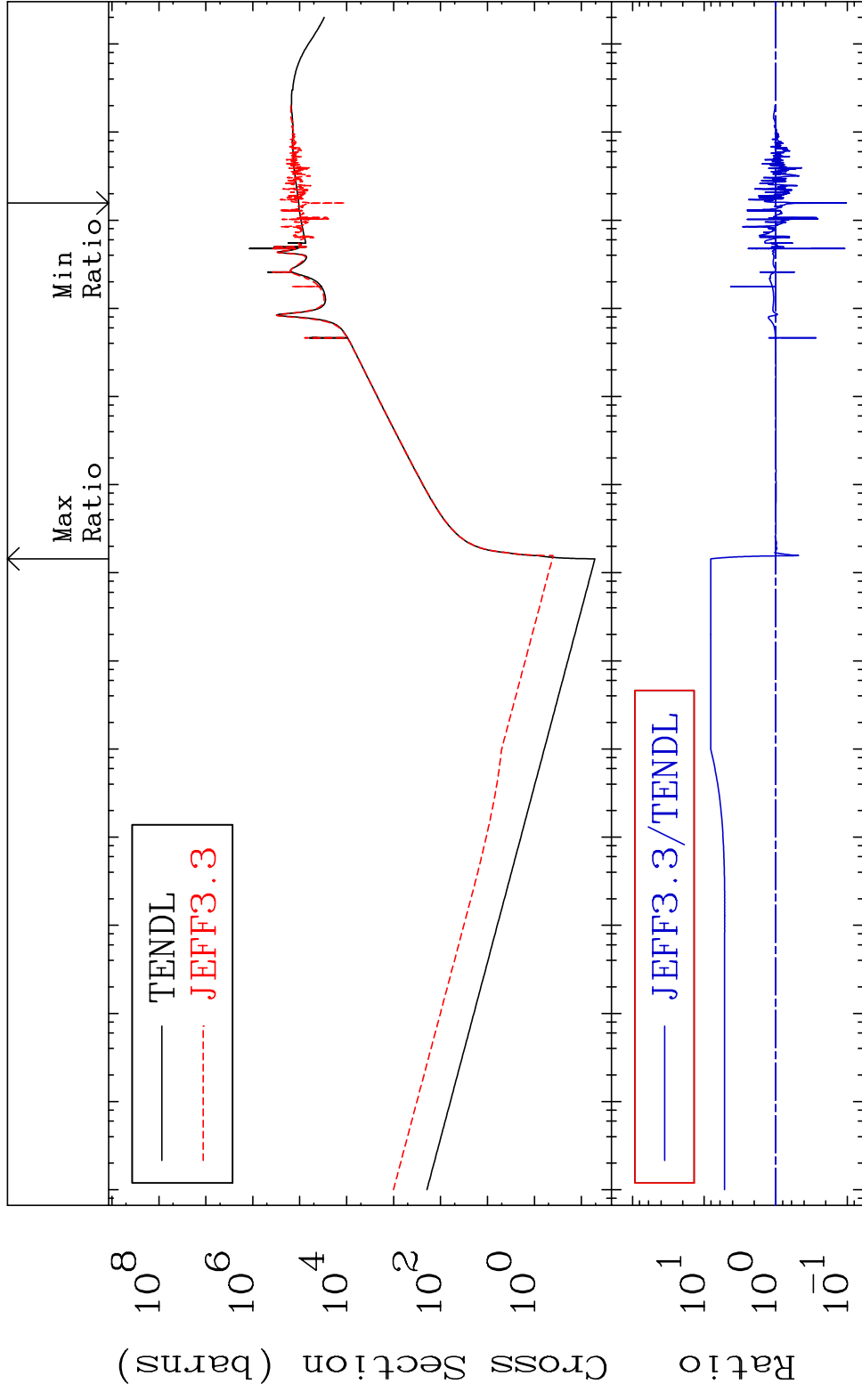


30 Incident Energy (eV) 12-Mg-24

MAT 1225 Total kinematic kerma (high limit) 12-Mg-24
 Cross Section -90.63 To 517.9 %



MAT 1225 Dpa total (eV-barns) 12-Mg-24
 Cross Section -89.71 To 710.0 %



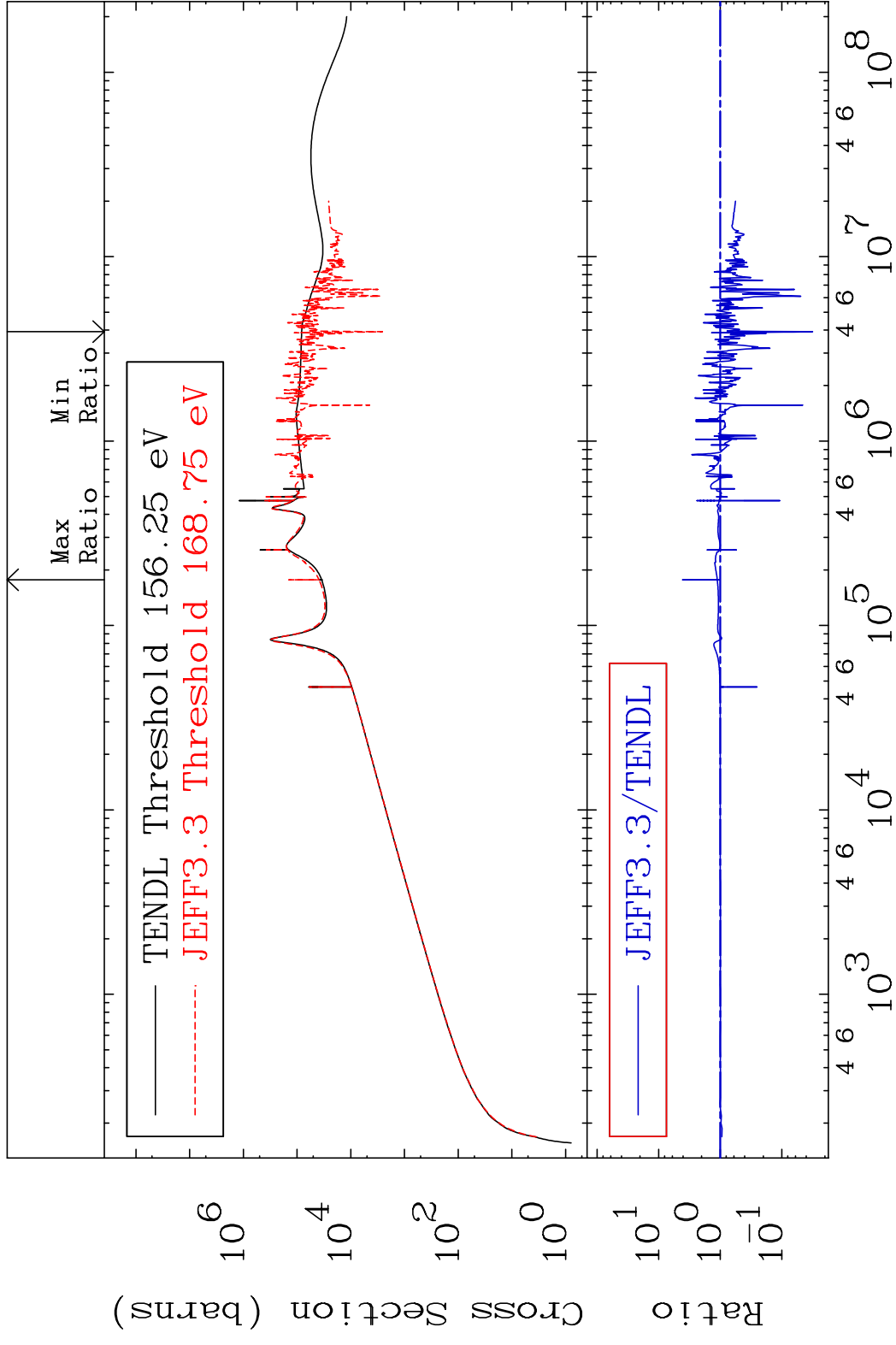
32 Incident Energy (eV) 12-Mg-24

MAT 1225

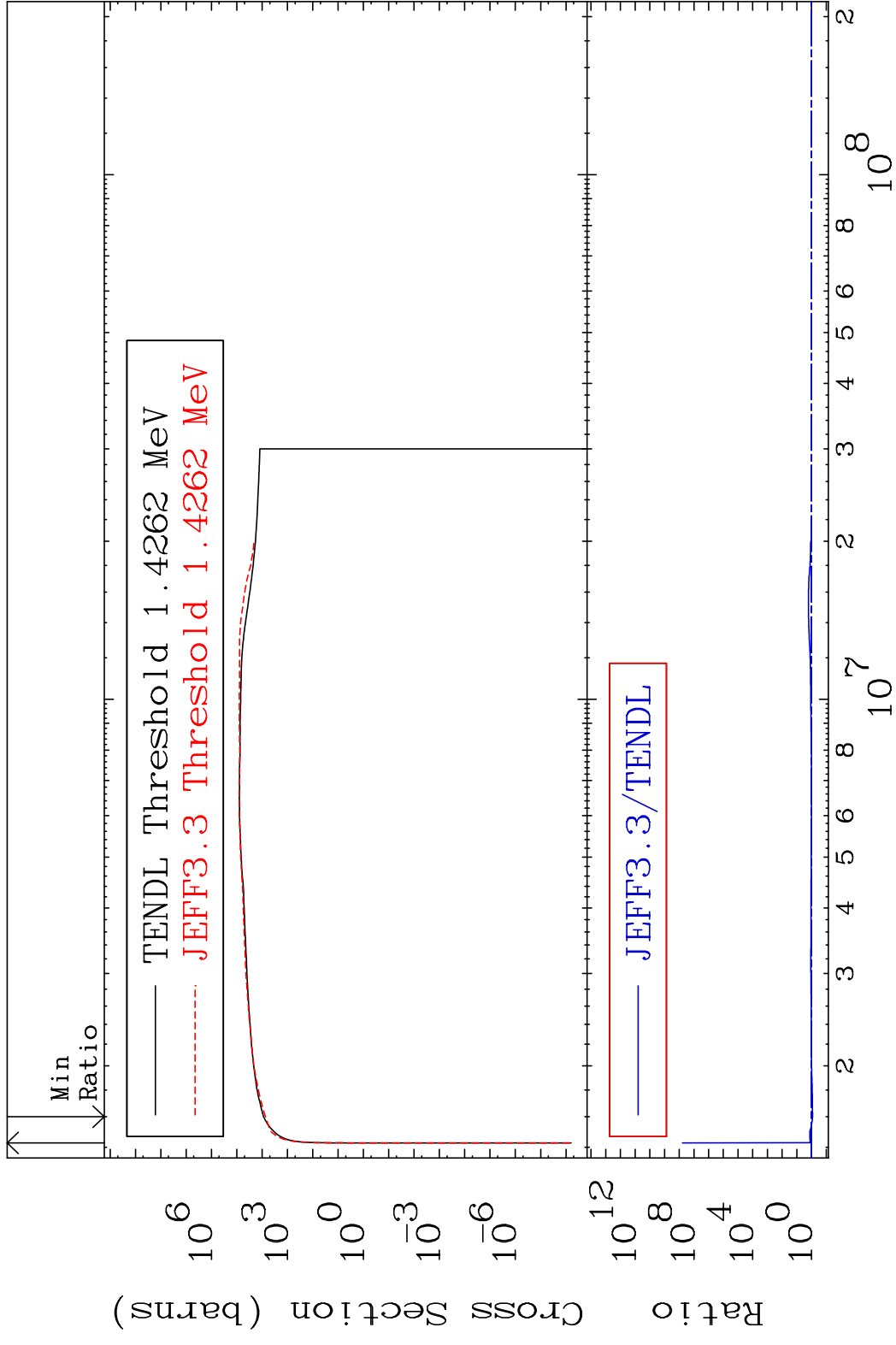
Dpa elastic (mt2)

¹²Mg-24

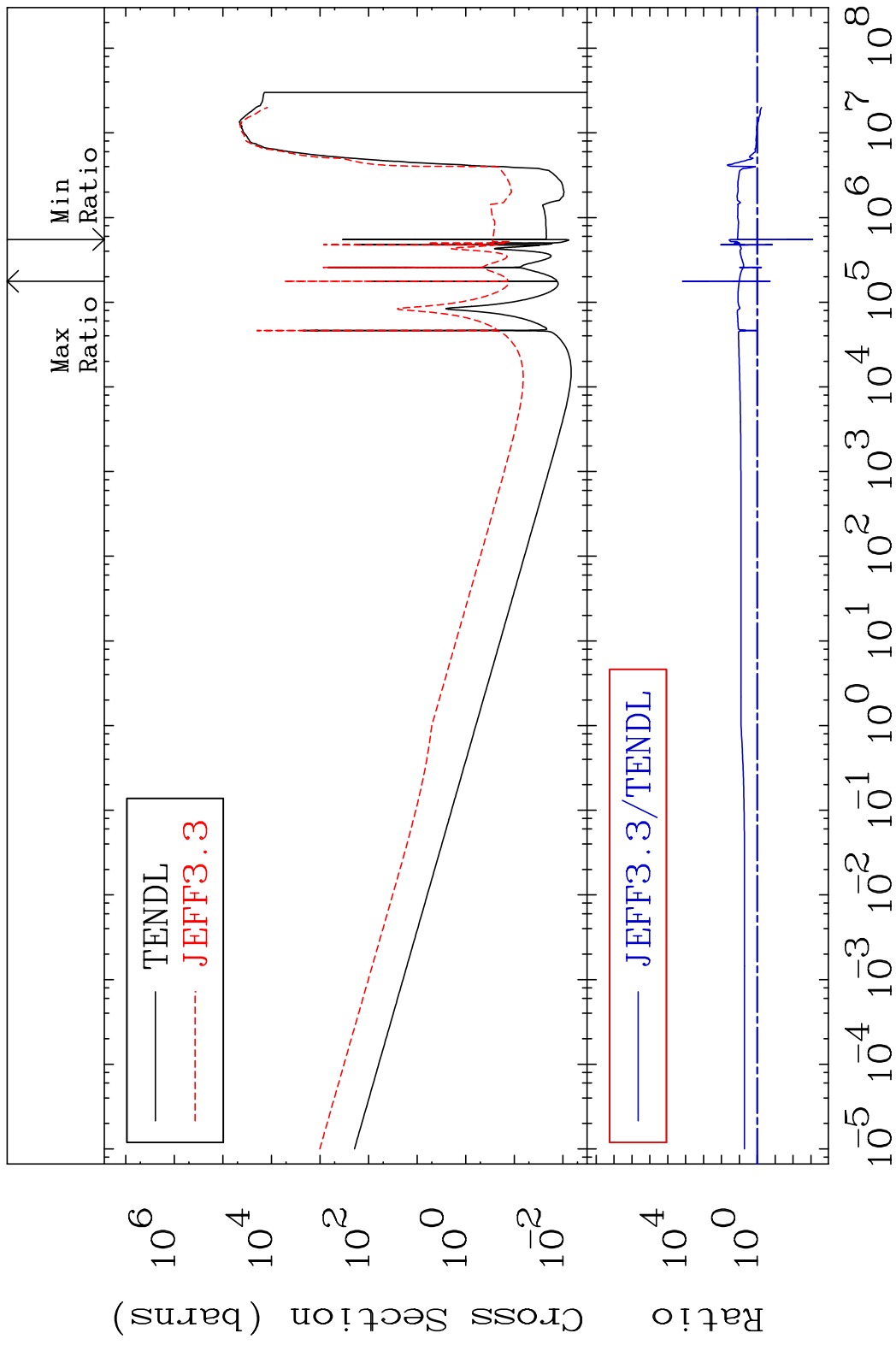
Cross Section -96.83 To 311.5 %



MAT 1225 Dpa inelastic (mt51-91) 12-Mg-24
 Cross Section -15.43 To 9999. %



MAT 1225 Dpa disappearance (mt102 -120) 12-Mg-24
 Cross Section -99.92 To 9999. %



35 Incident Energy (eV) 12-Mg-24