

Program Complot
(Version 2021-1)

by

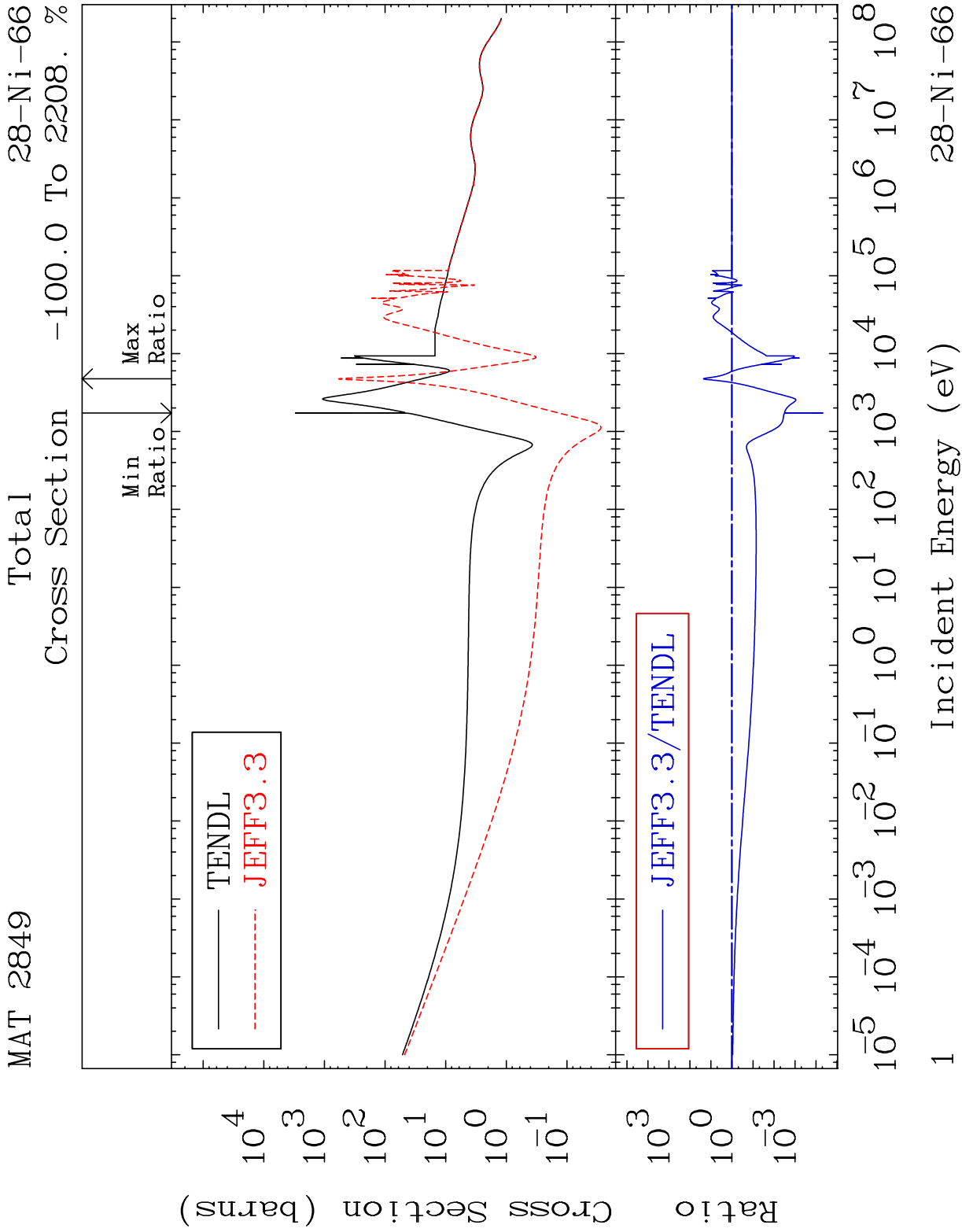
Dermott E. Cullen
(Present Contact Information)

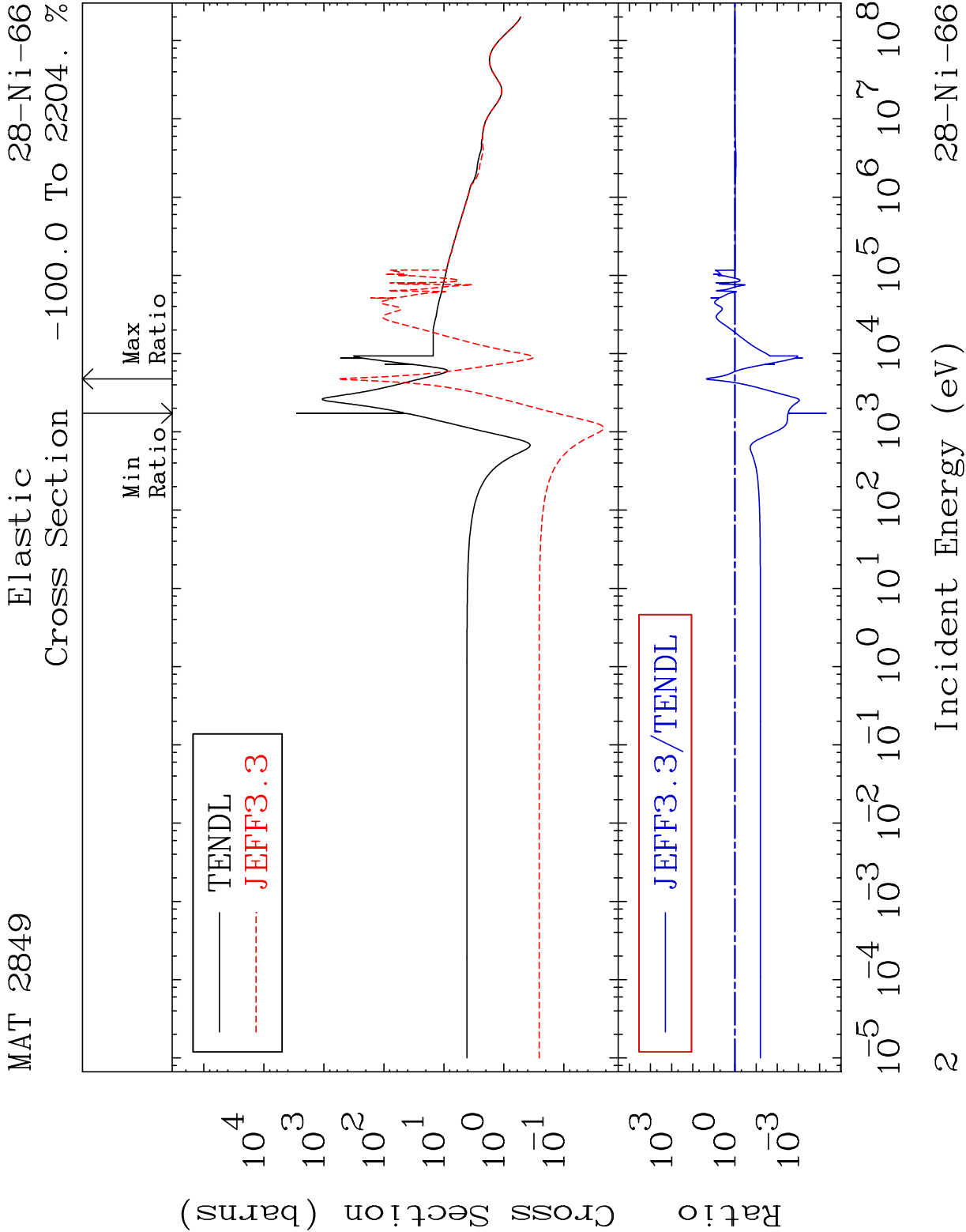
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

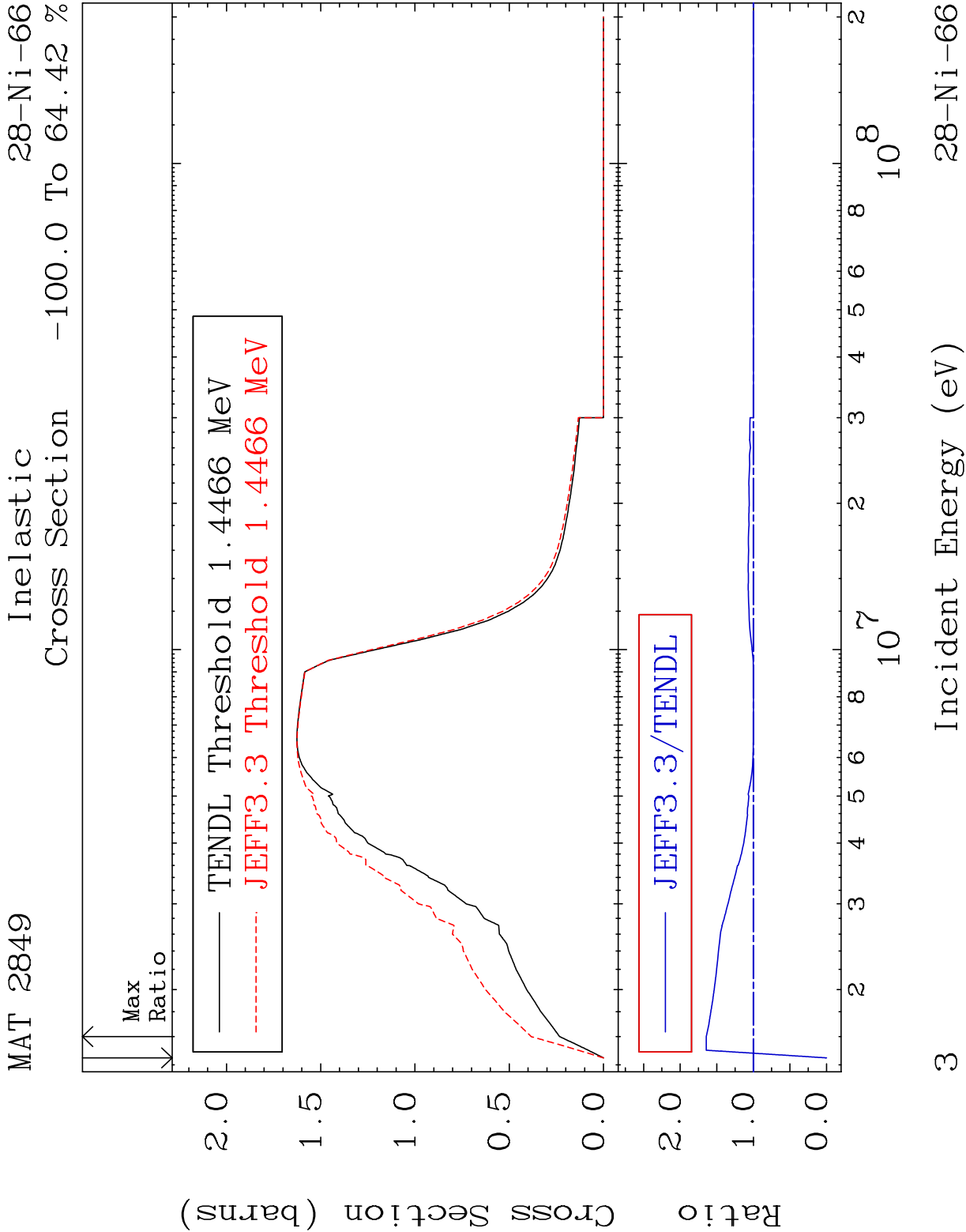
Tele: 925-443-1911

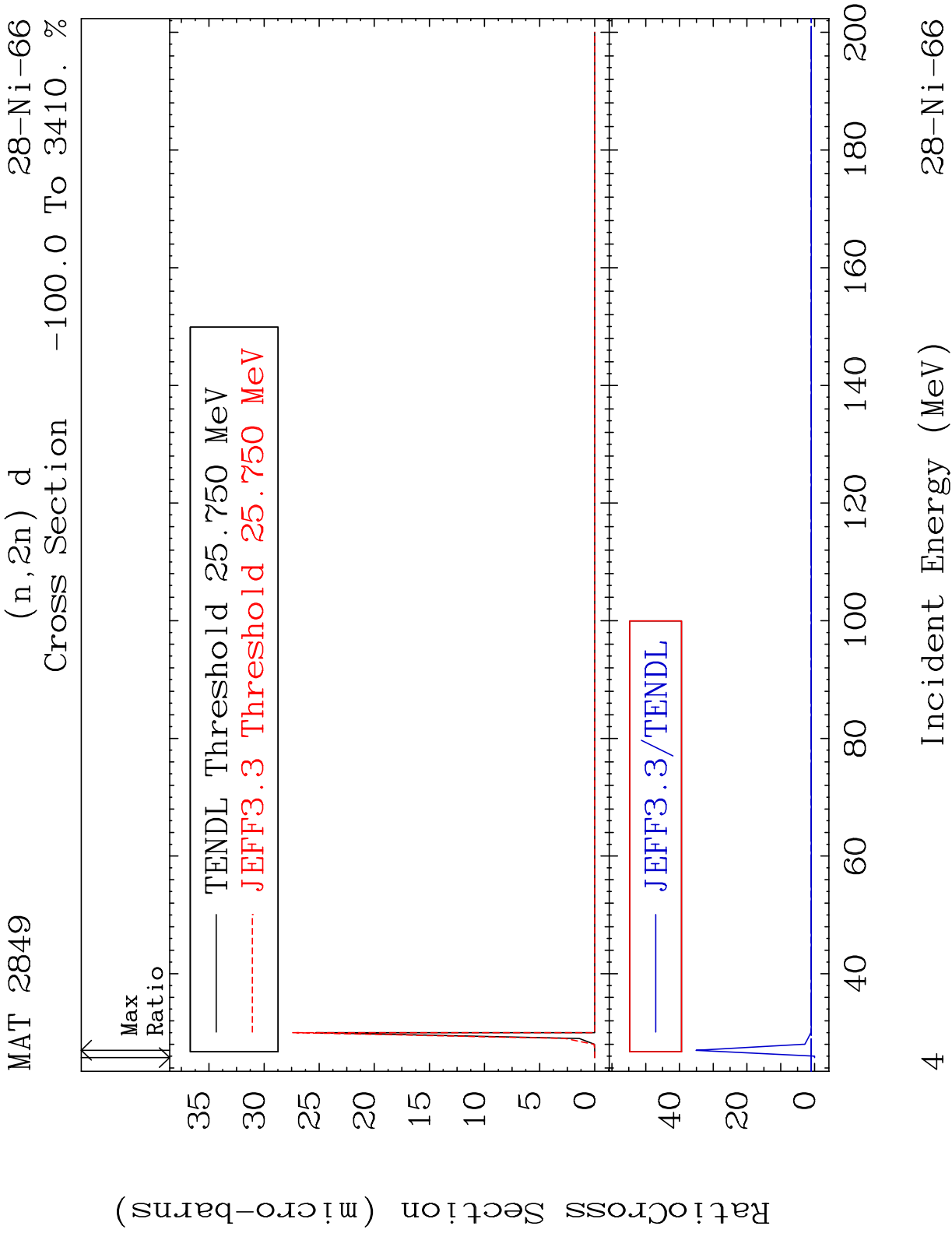
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





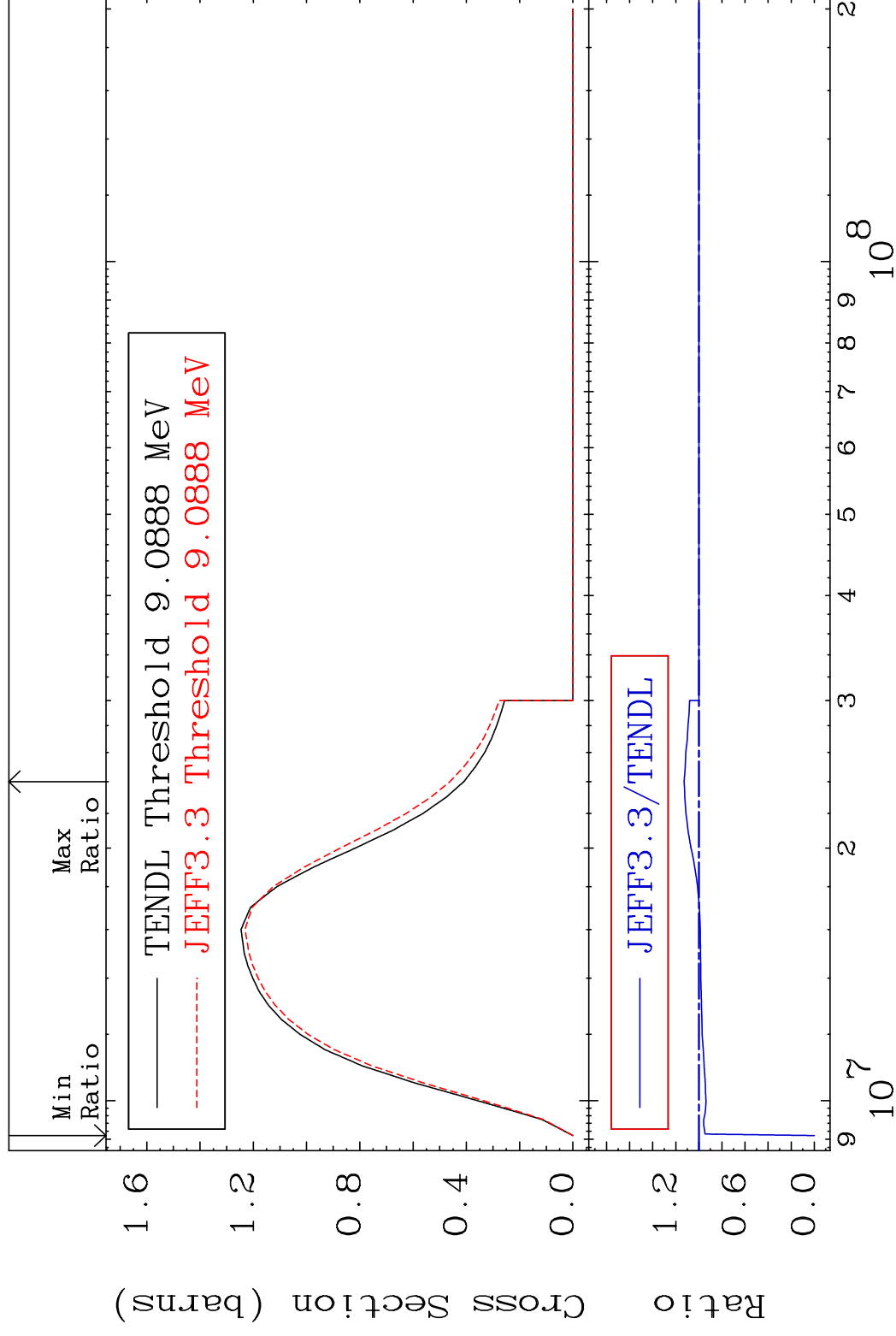




MAT 2849

$$(n, 2n)$$
 $^{28}\text{Ni}-66$

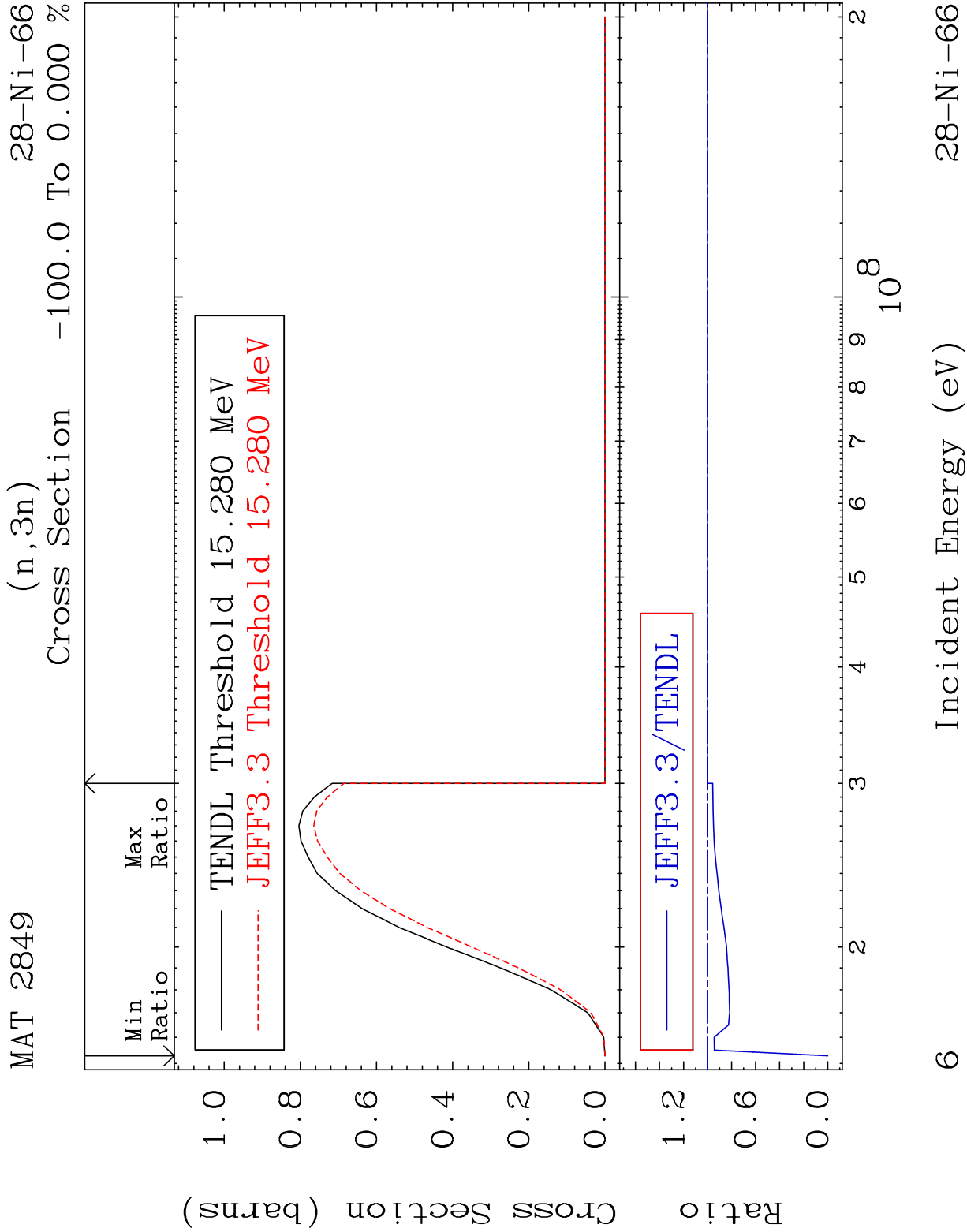
Cross Section	-100.0 To 12.84 %
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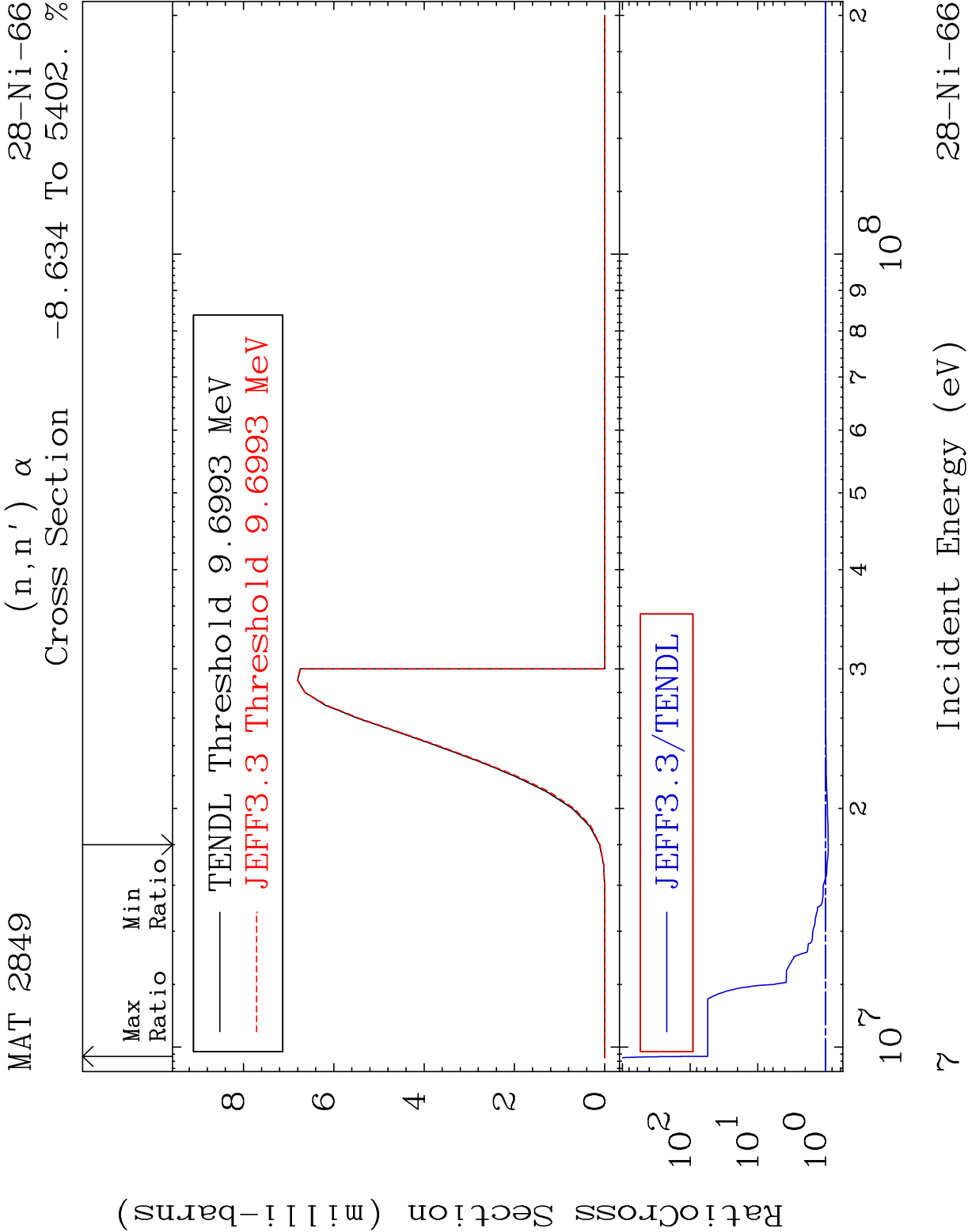


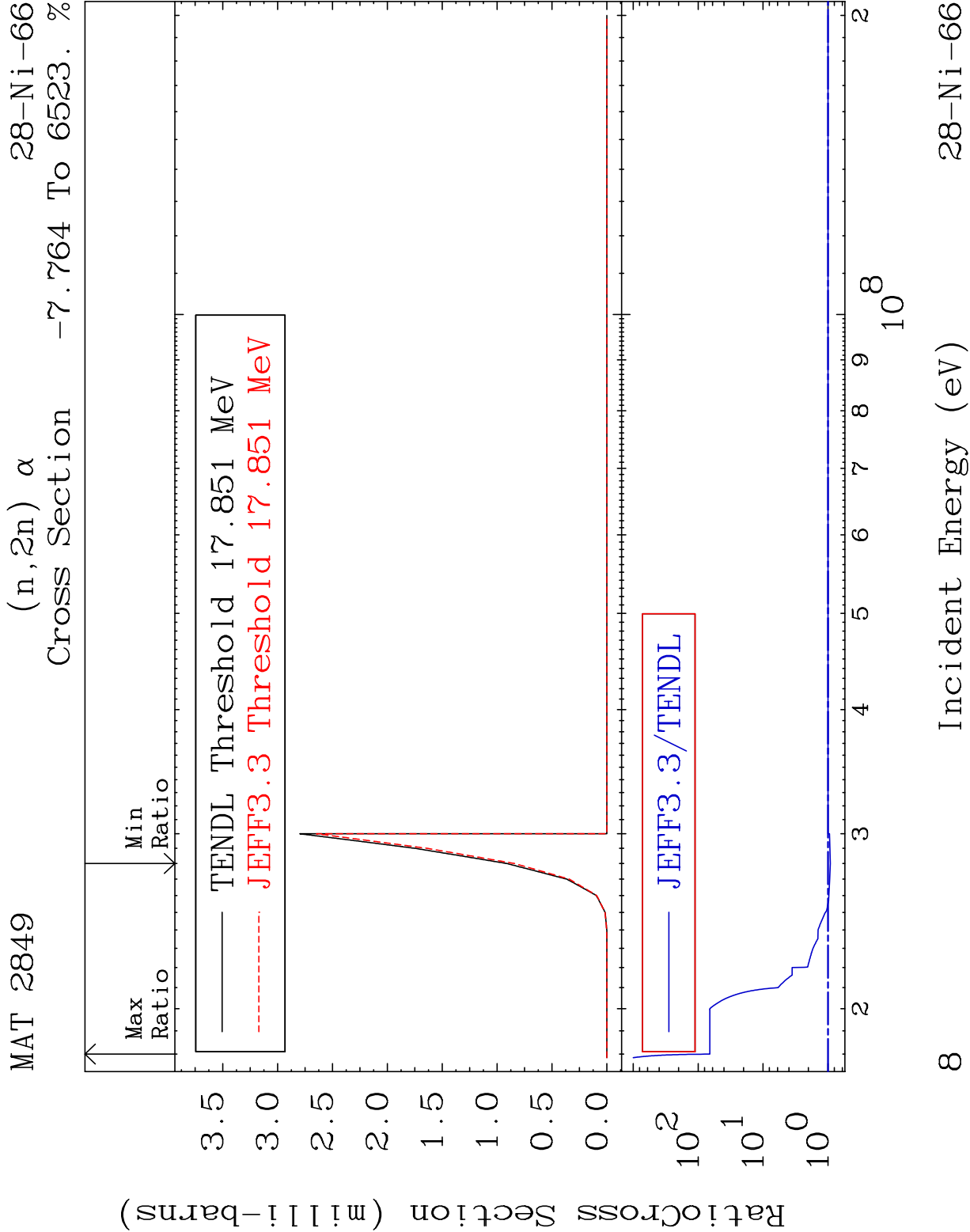
5

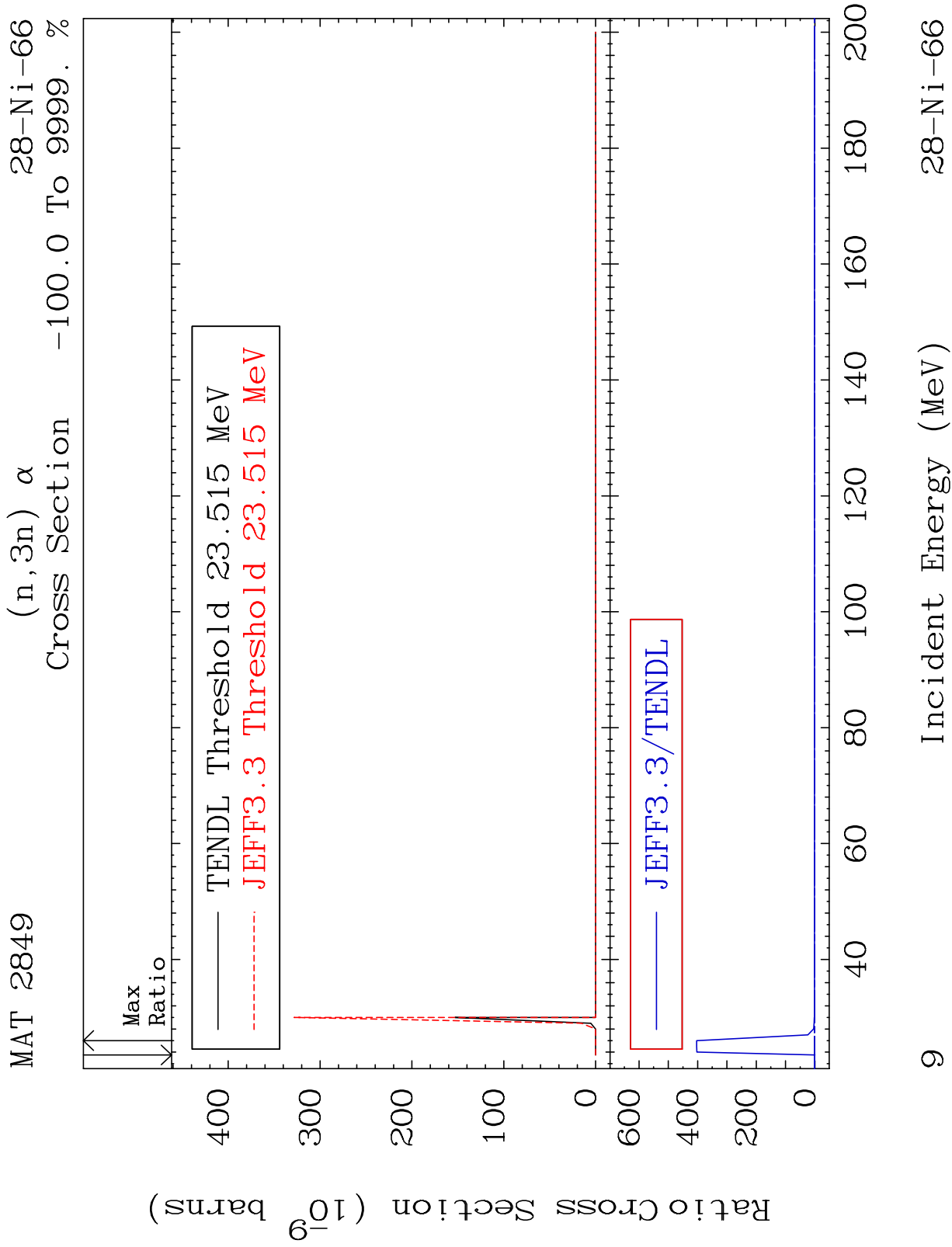
Incident Energy (eV)

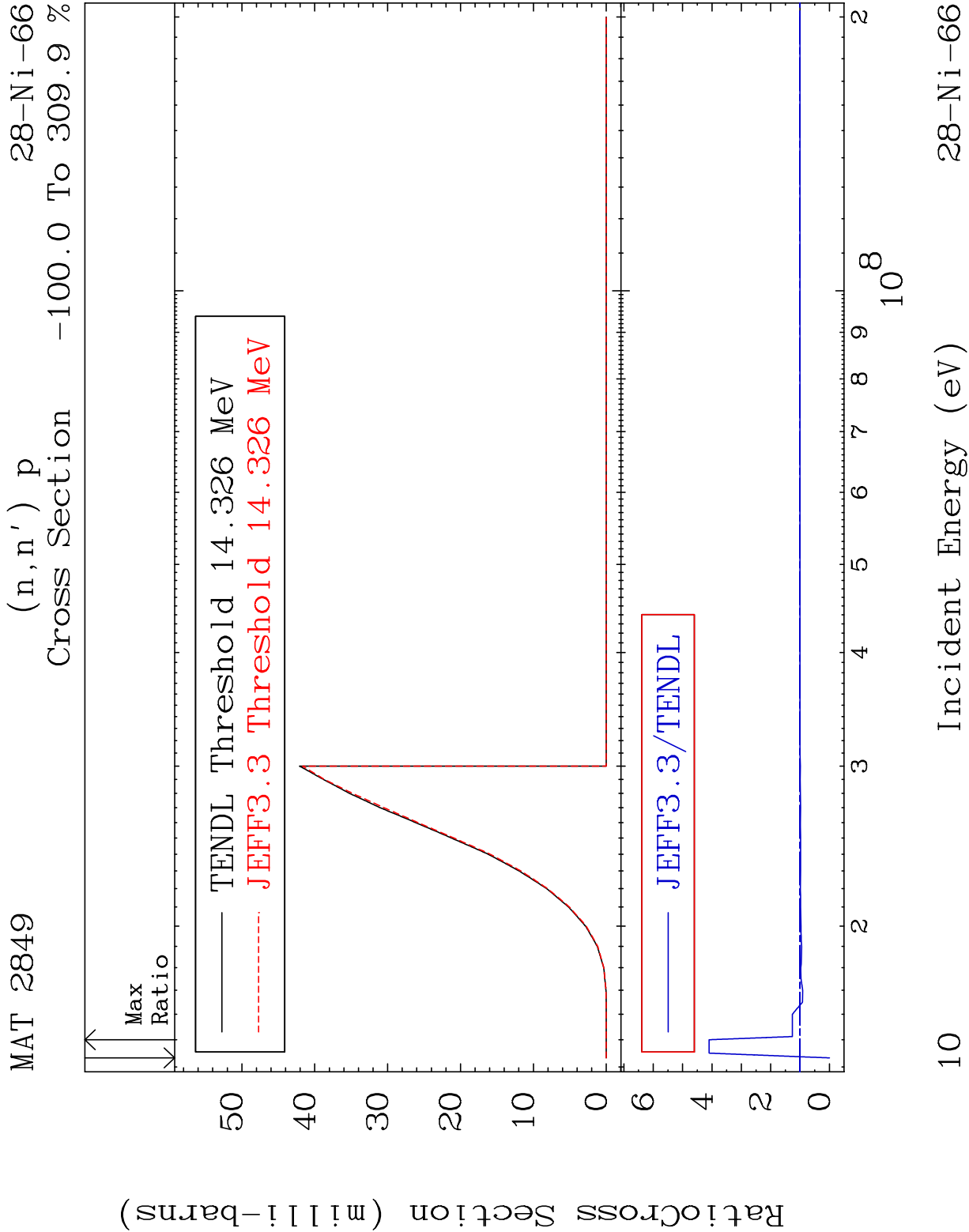
28-Ni-66









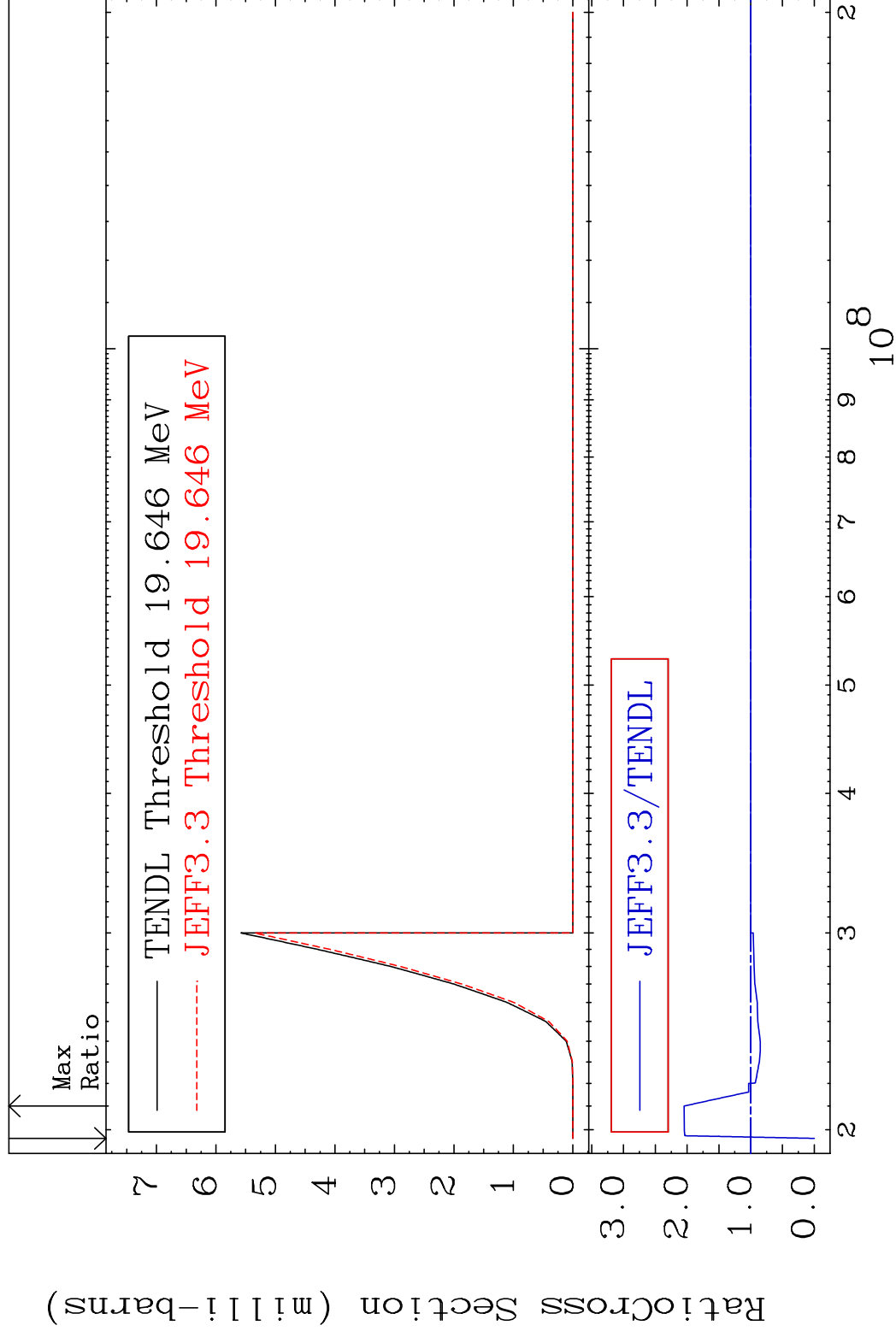


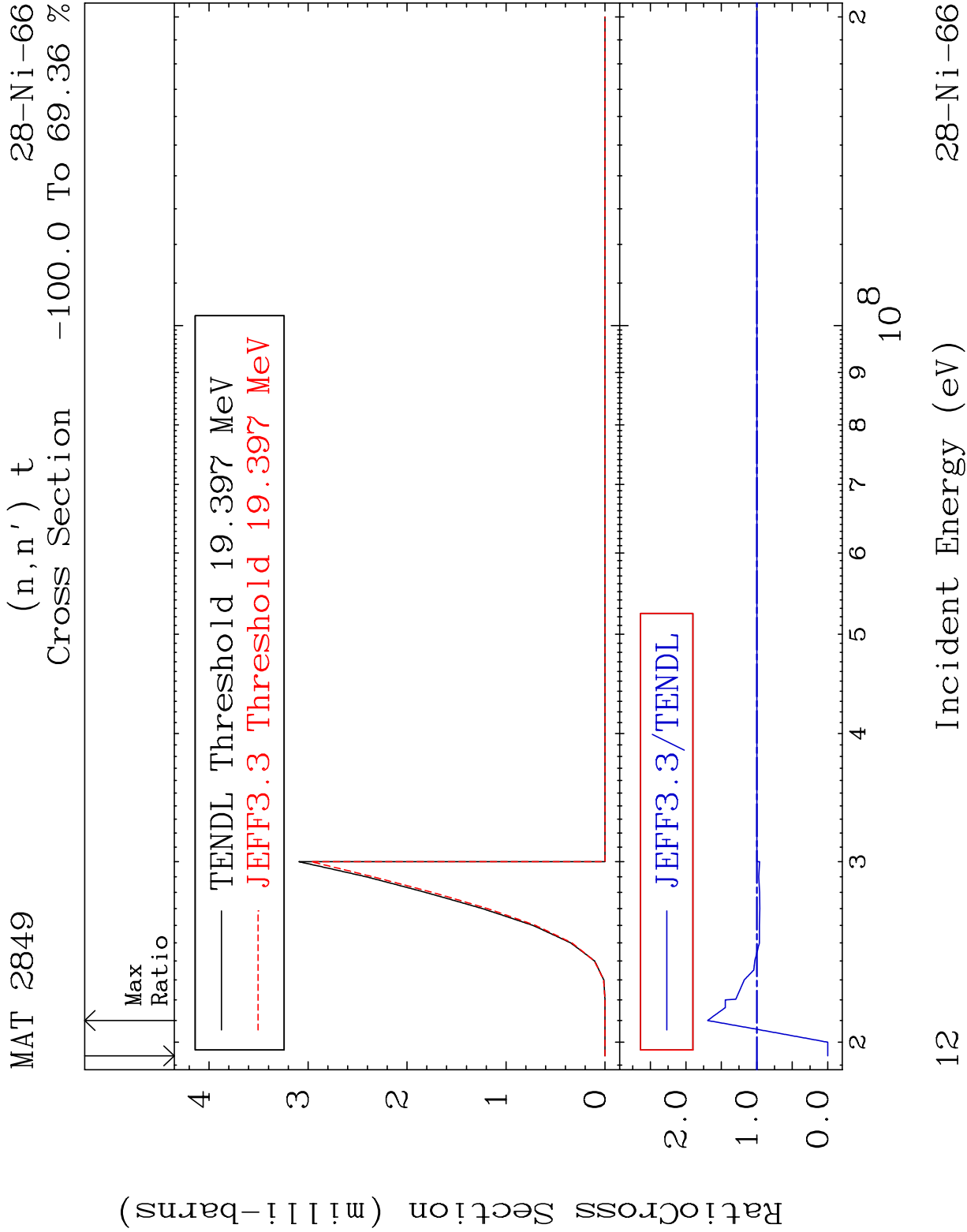
MAT 2849

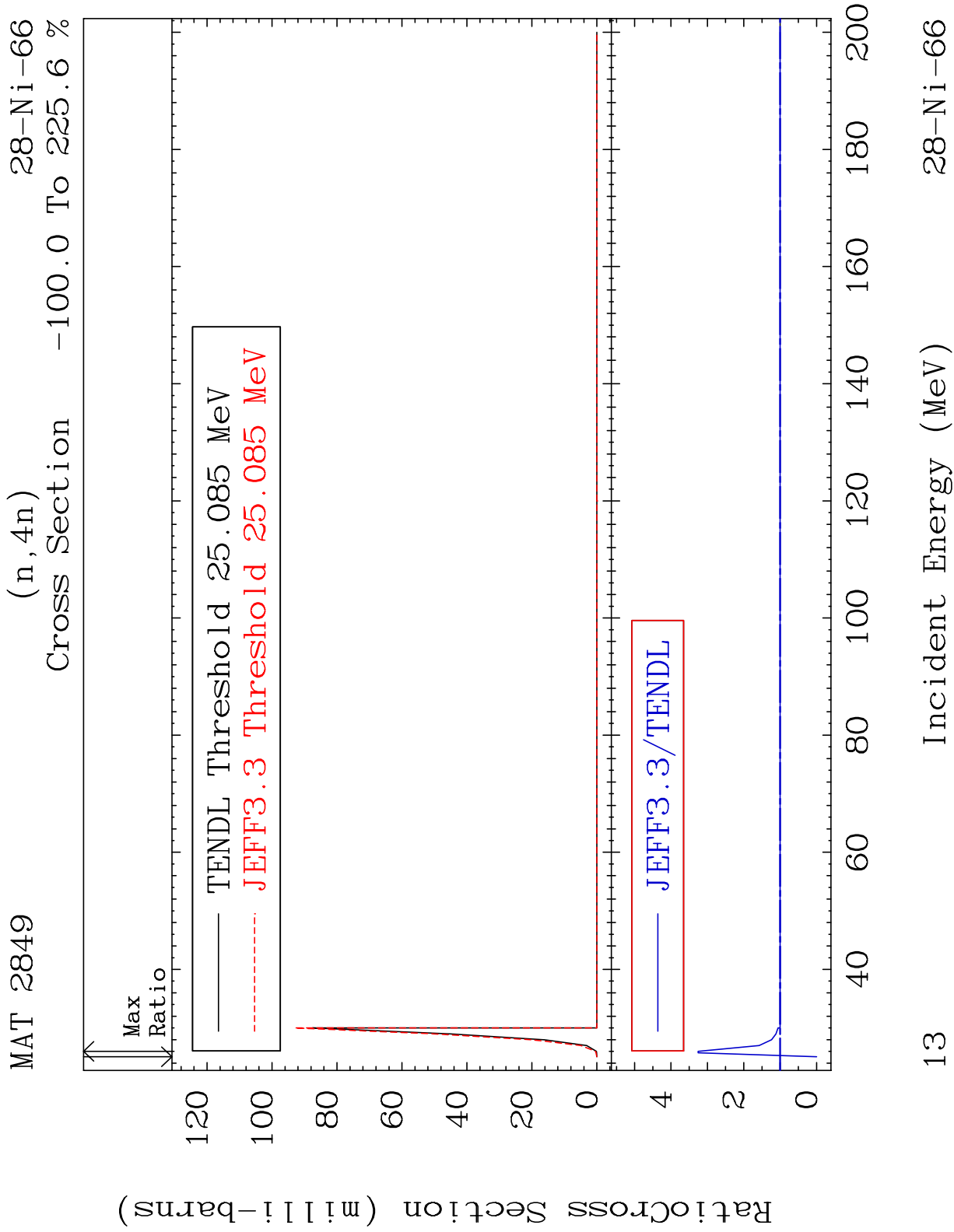
$$(n, n') \text{ d}$$

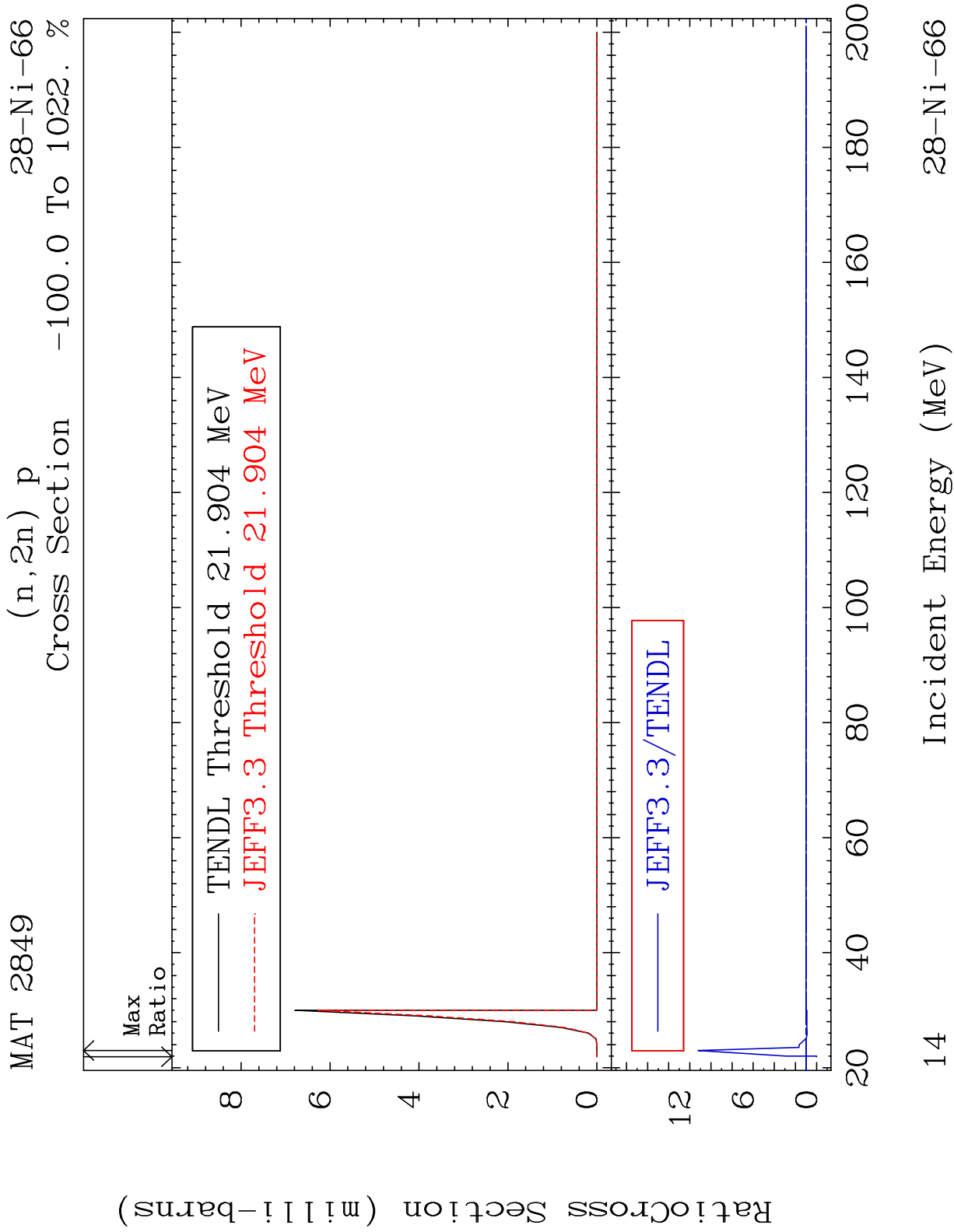
28-Ni-66

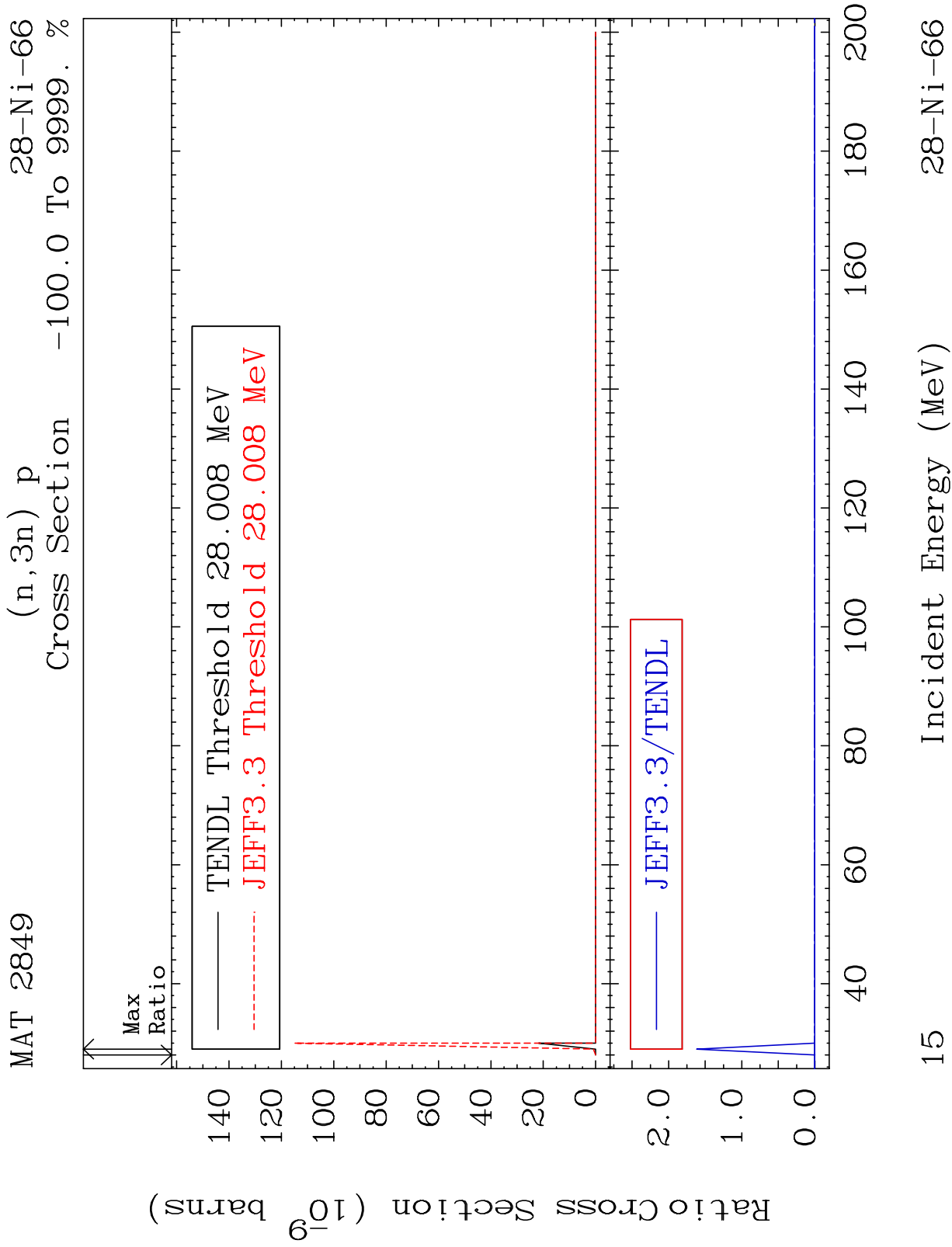
Cross Section	-100.0 To 104.8 %



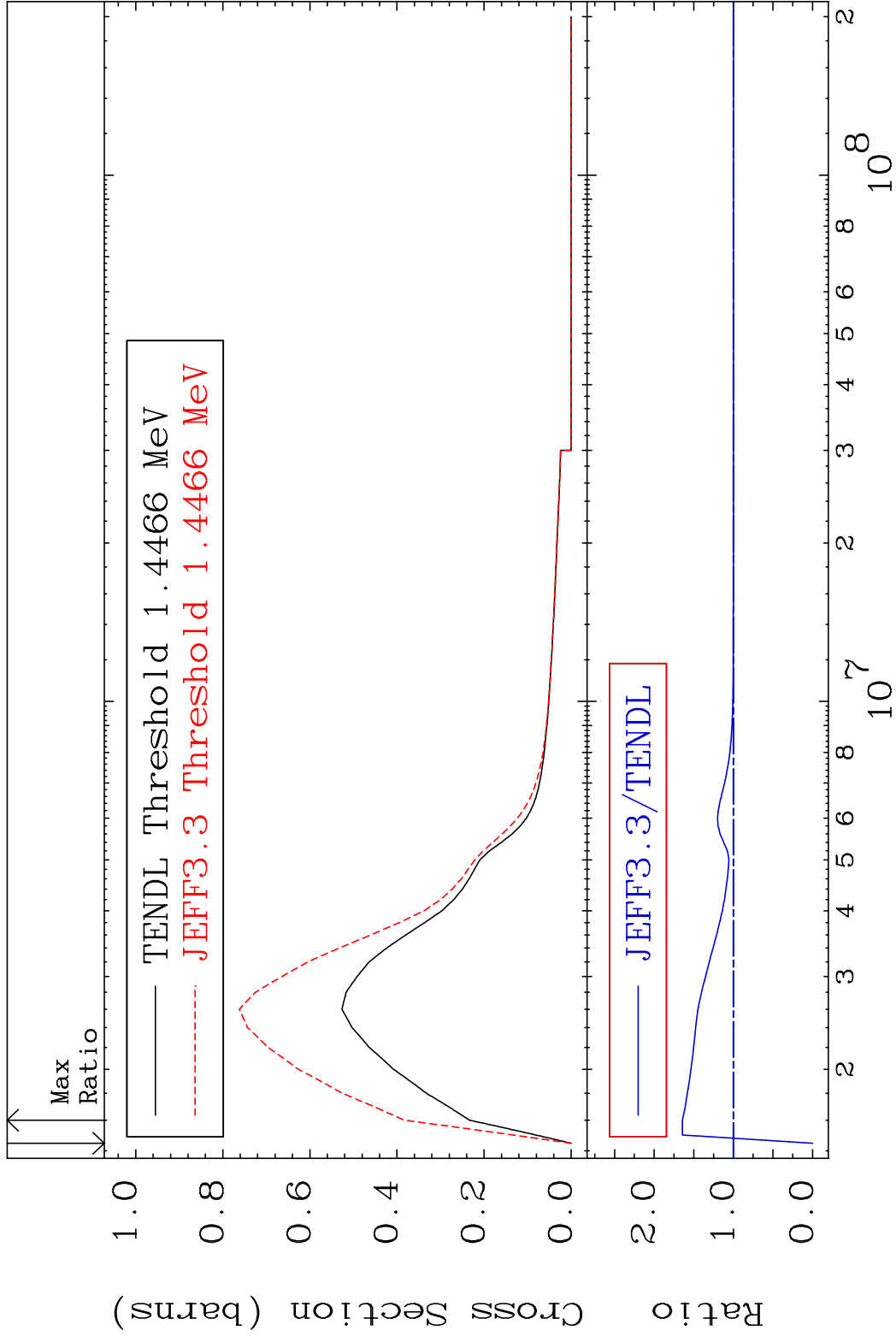




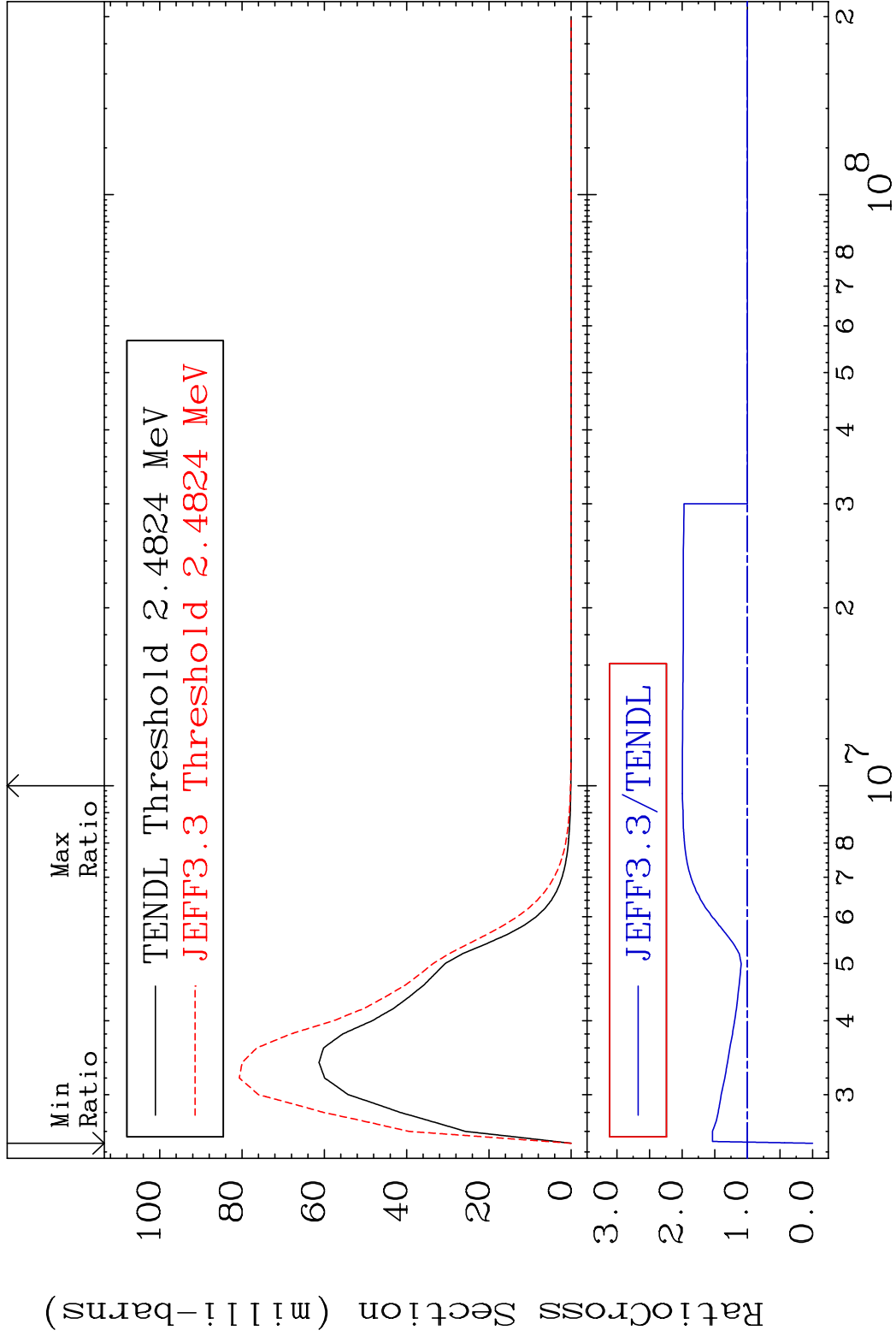




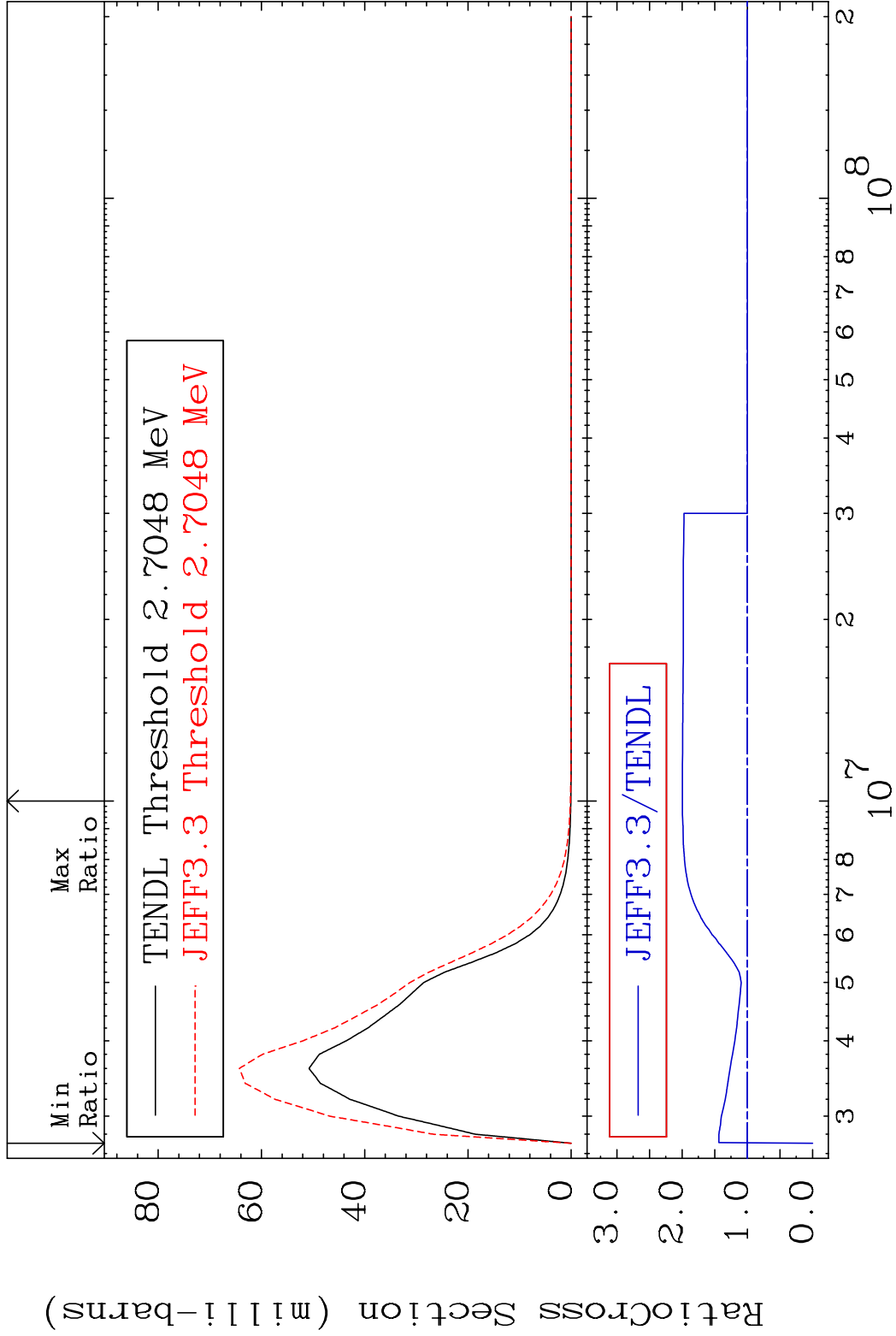
MAT 2849 MT= 51 (n,n') Level 28-Ni-66
 Cross Section -100.0 To 64.42 %



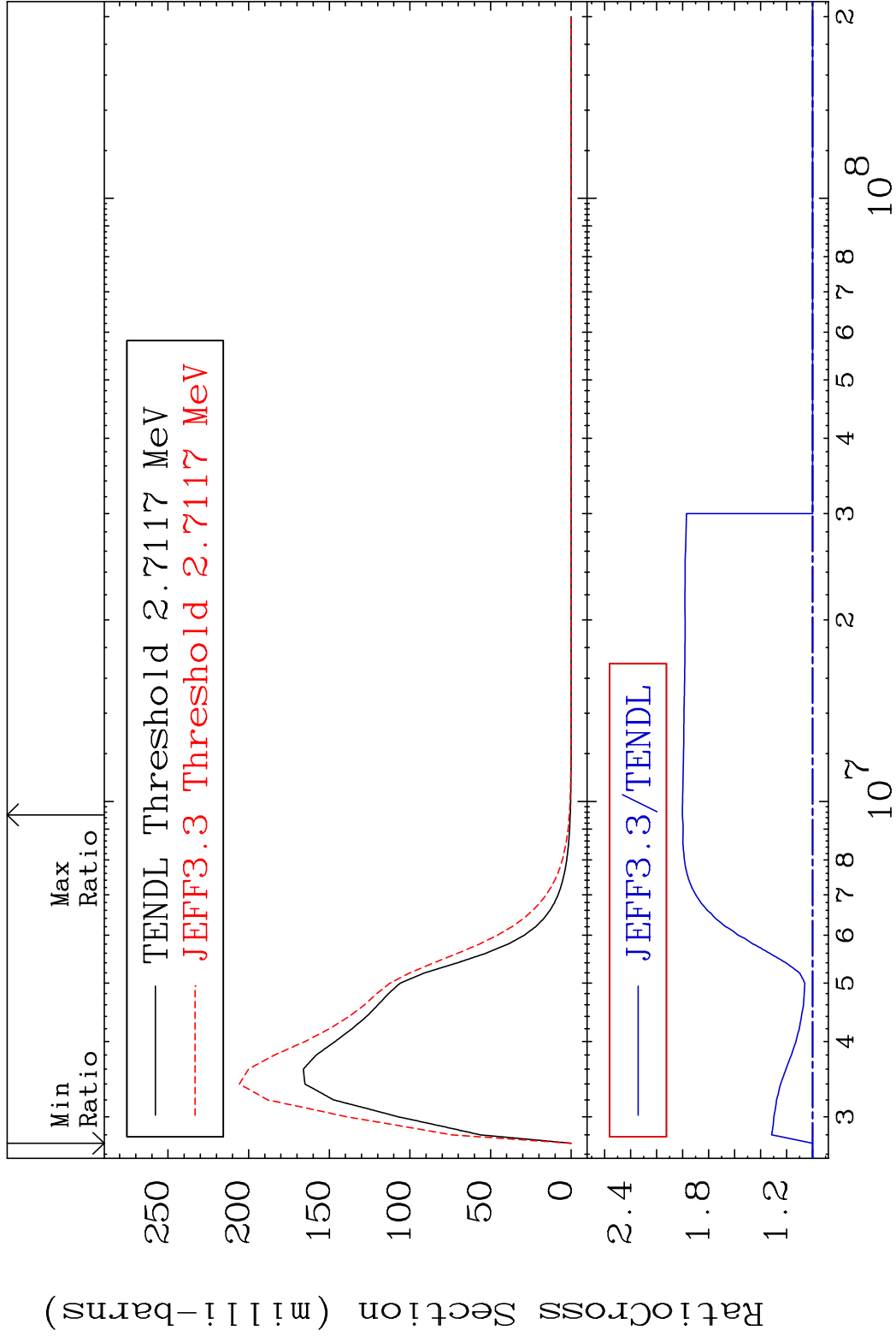
MAT 2849 MT= 52 (n,n') Level 28-Ni-66
Cross Section -100.0 To 99.64 %



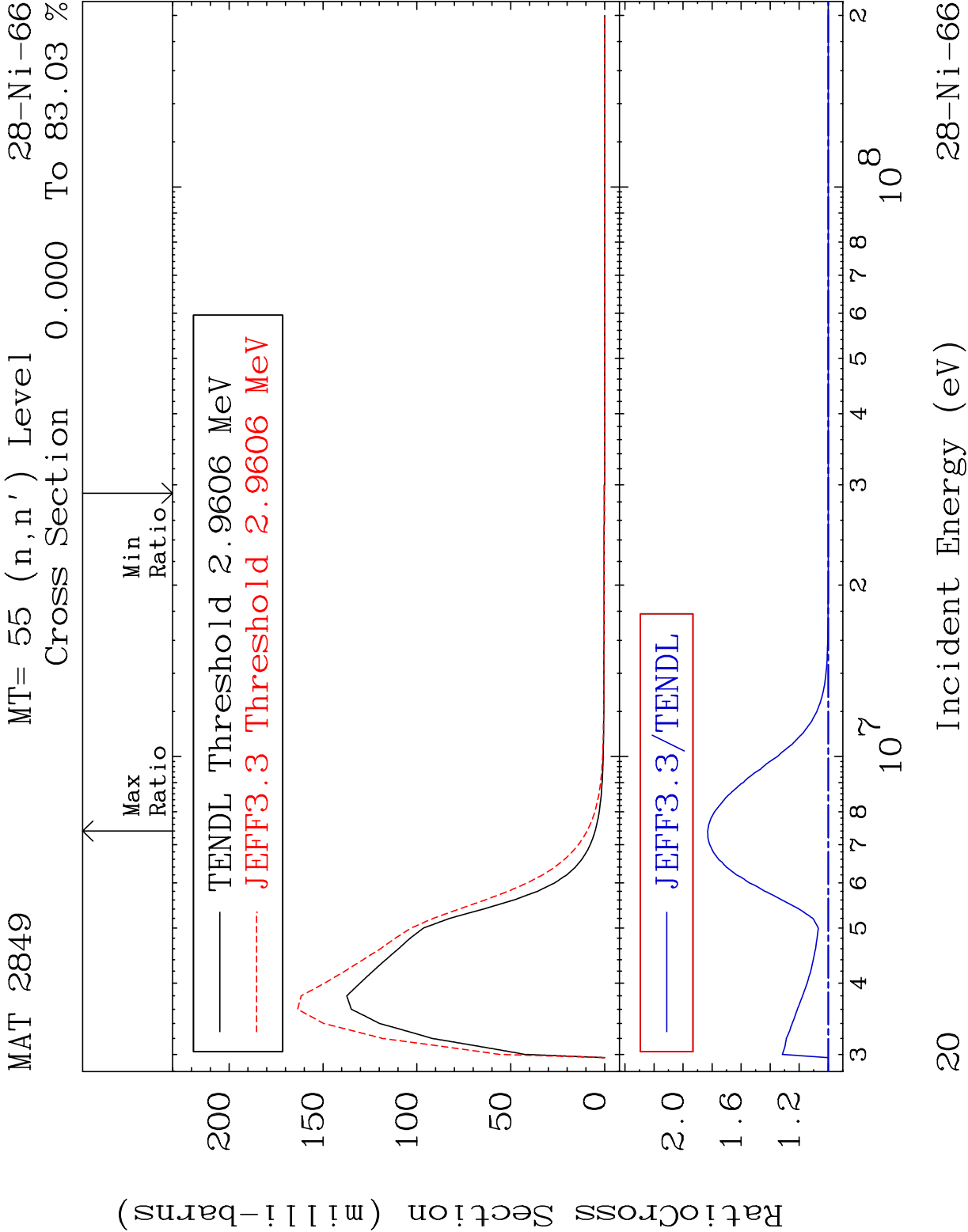
MAT 2849 MT= 53 (n,n') Level 28-Ni-66
Cross Section -100.0 To 99.62 %



MAT 2849 MT= 54 (n,n') Level 28-Ni-66
Cross Section 0.000 To 100.2 %

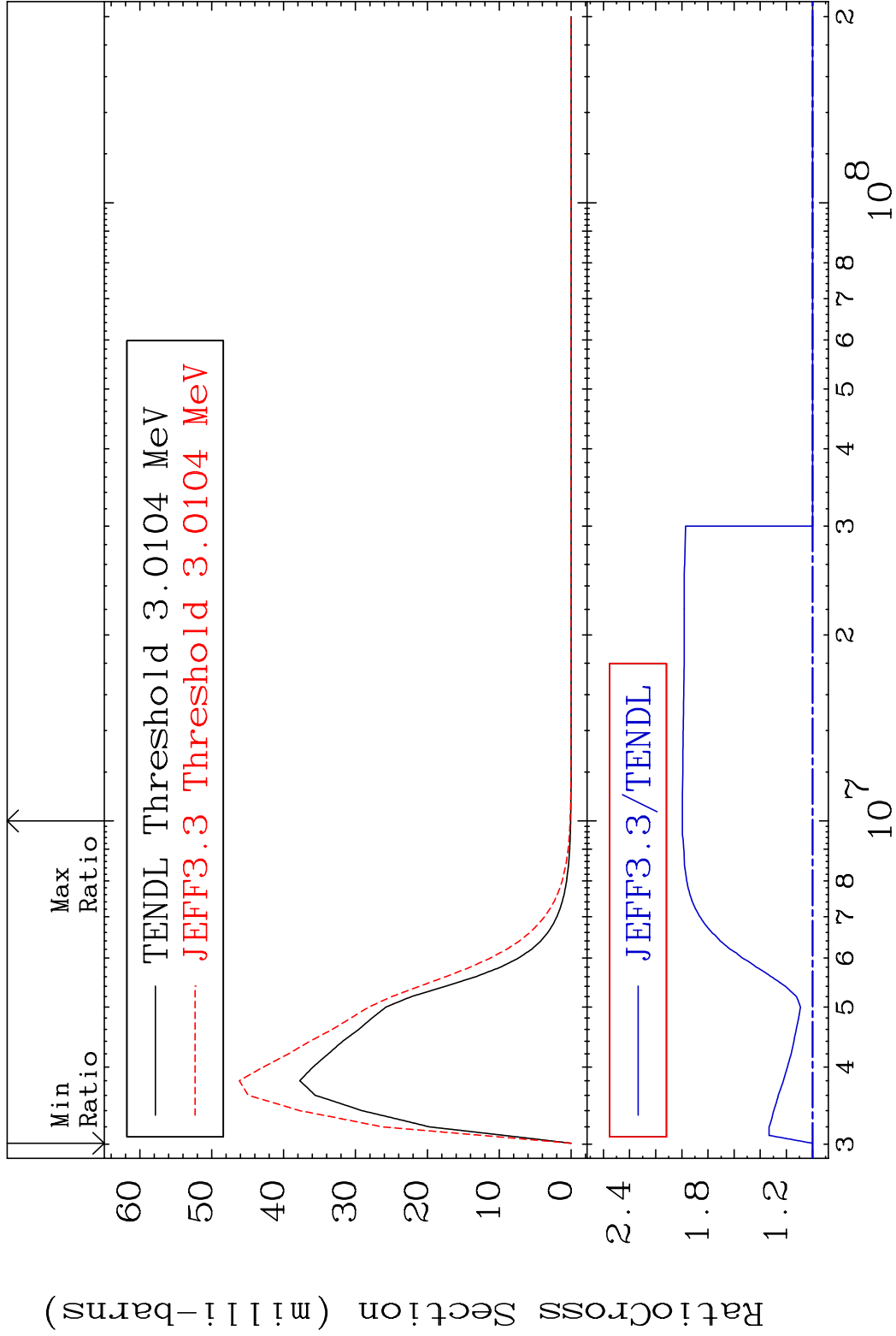


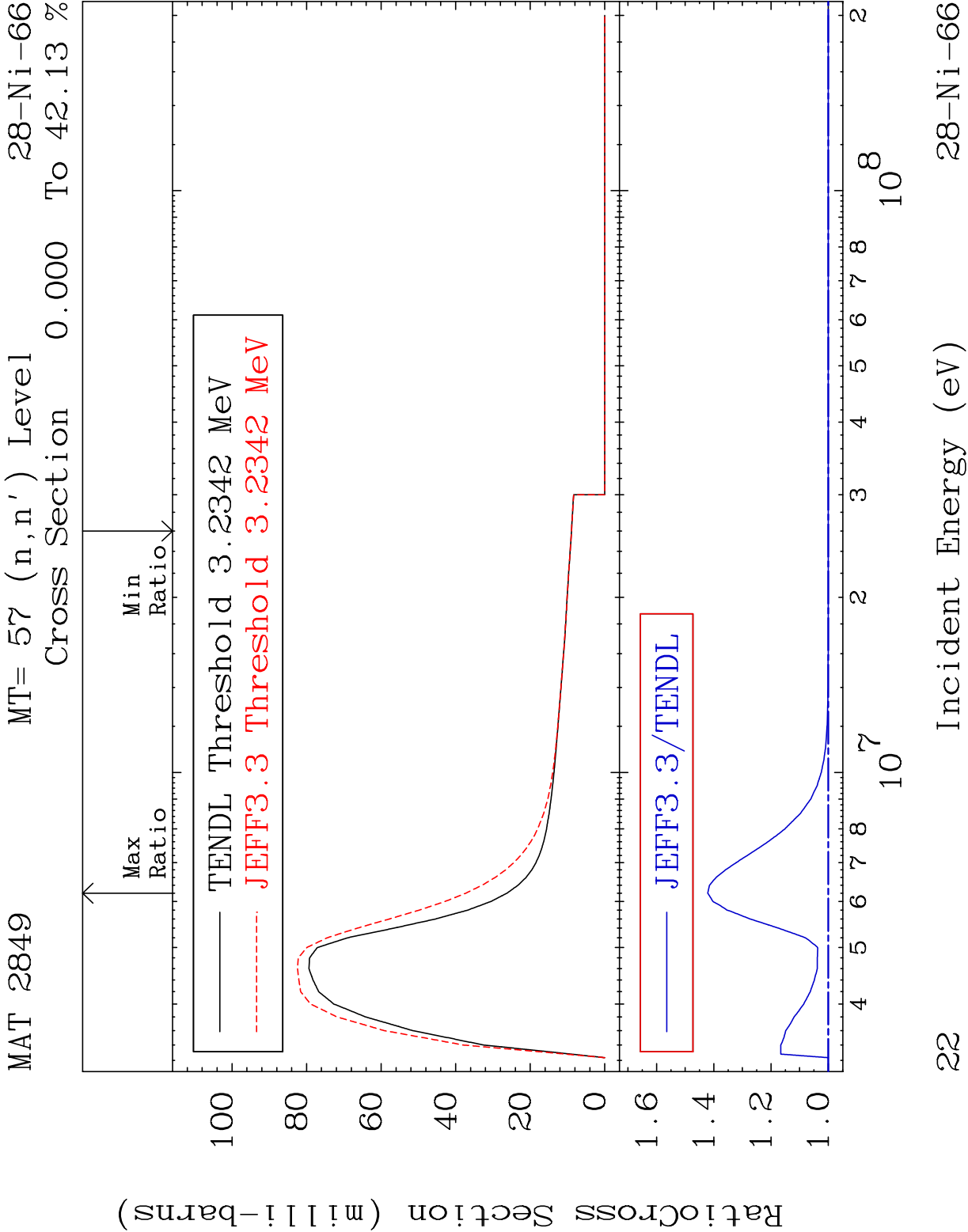
19 Incident Energy (eV) 28-Ni-66



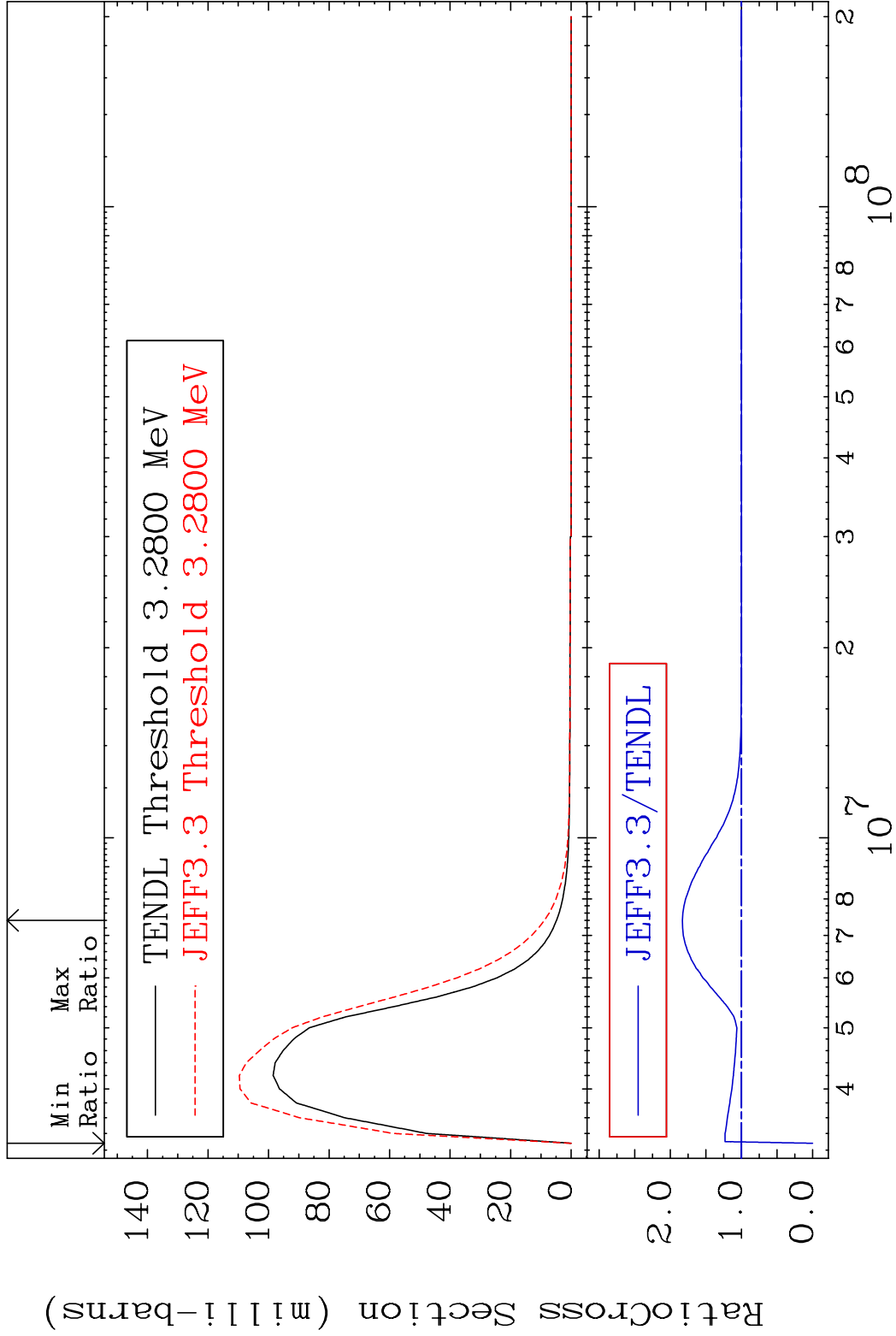
RatioCross Section (milli-barns)

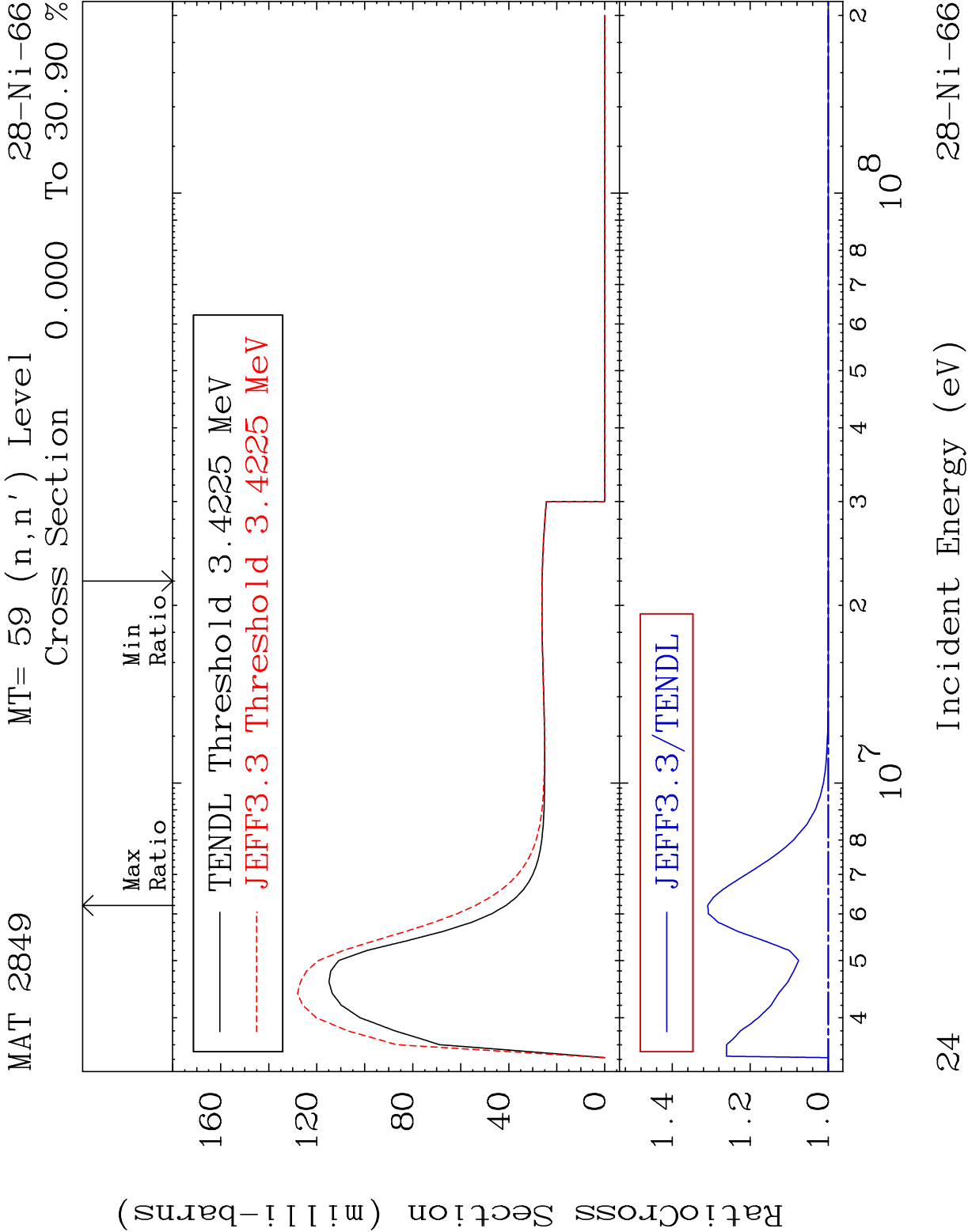
MAT 2849 MT= 56 (n,n') Level 28-Ni-66
Cross Section 0.000 To 99.60 %

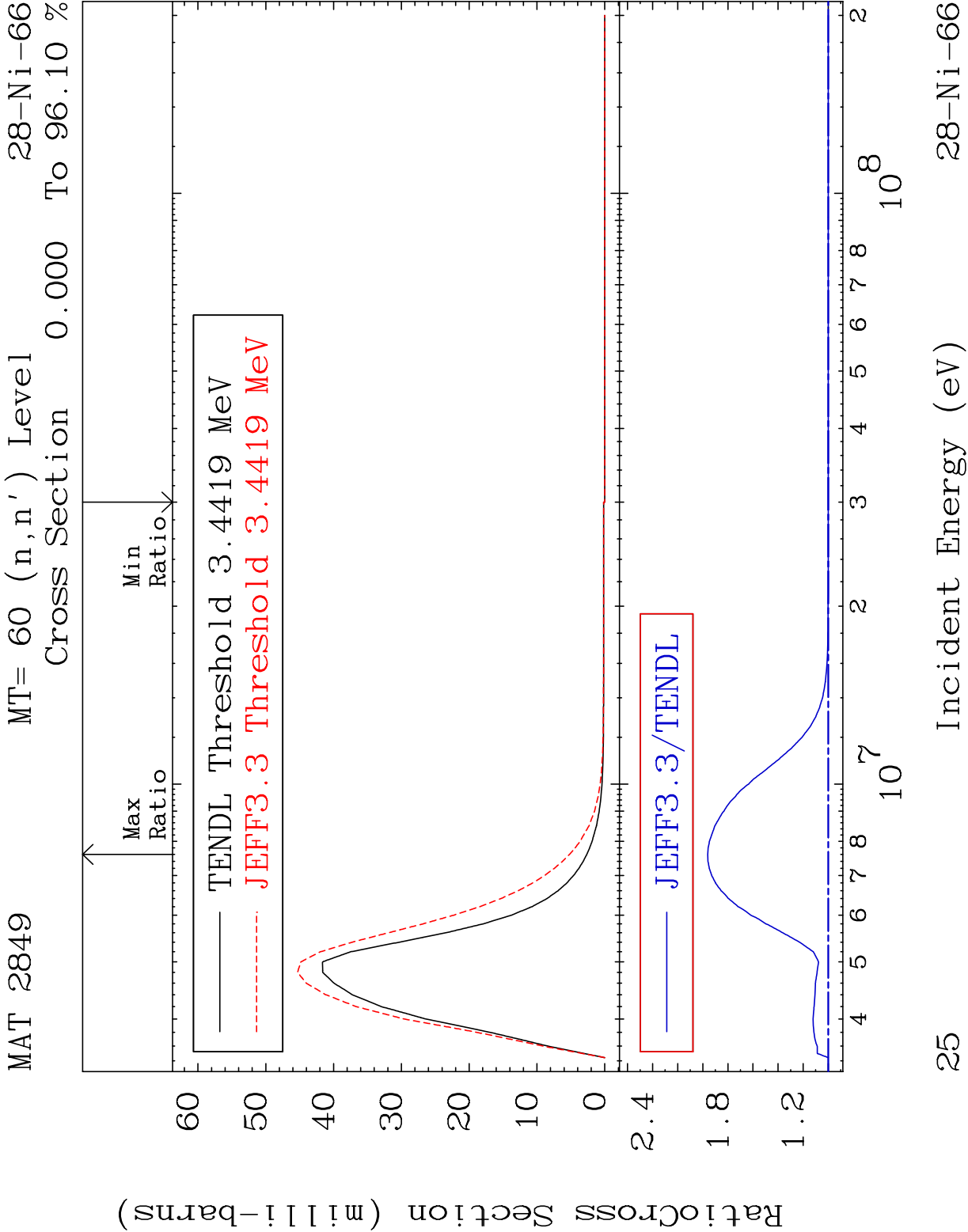


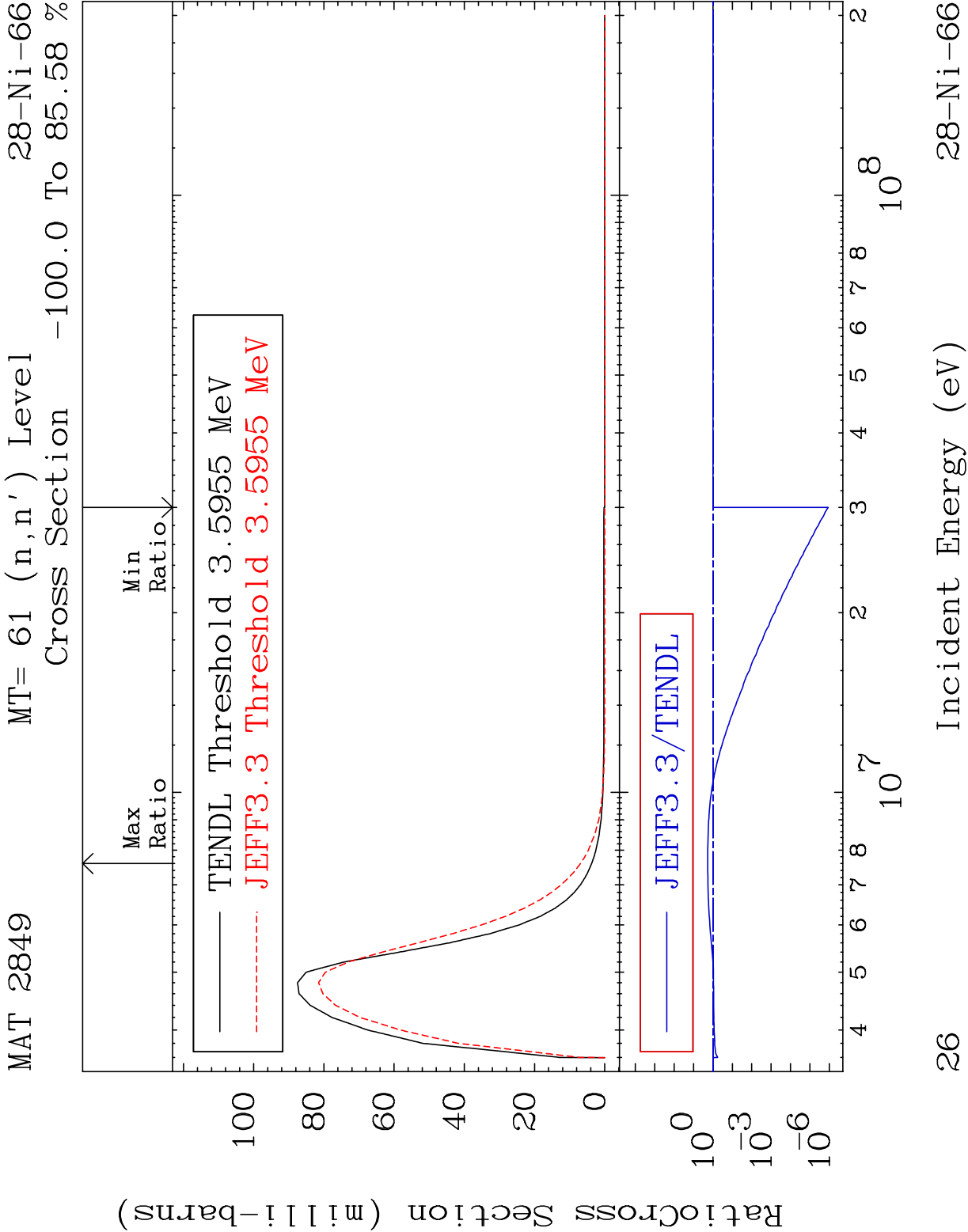


MAT 2849 MT= 58 (n,n') Level 28-Ni-66
Cross Section -100.0 To 83.10 %

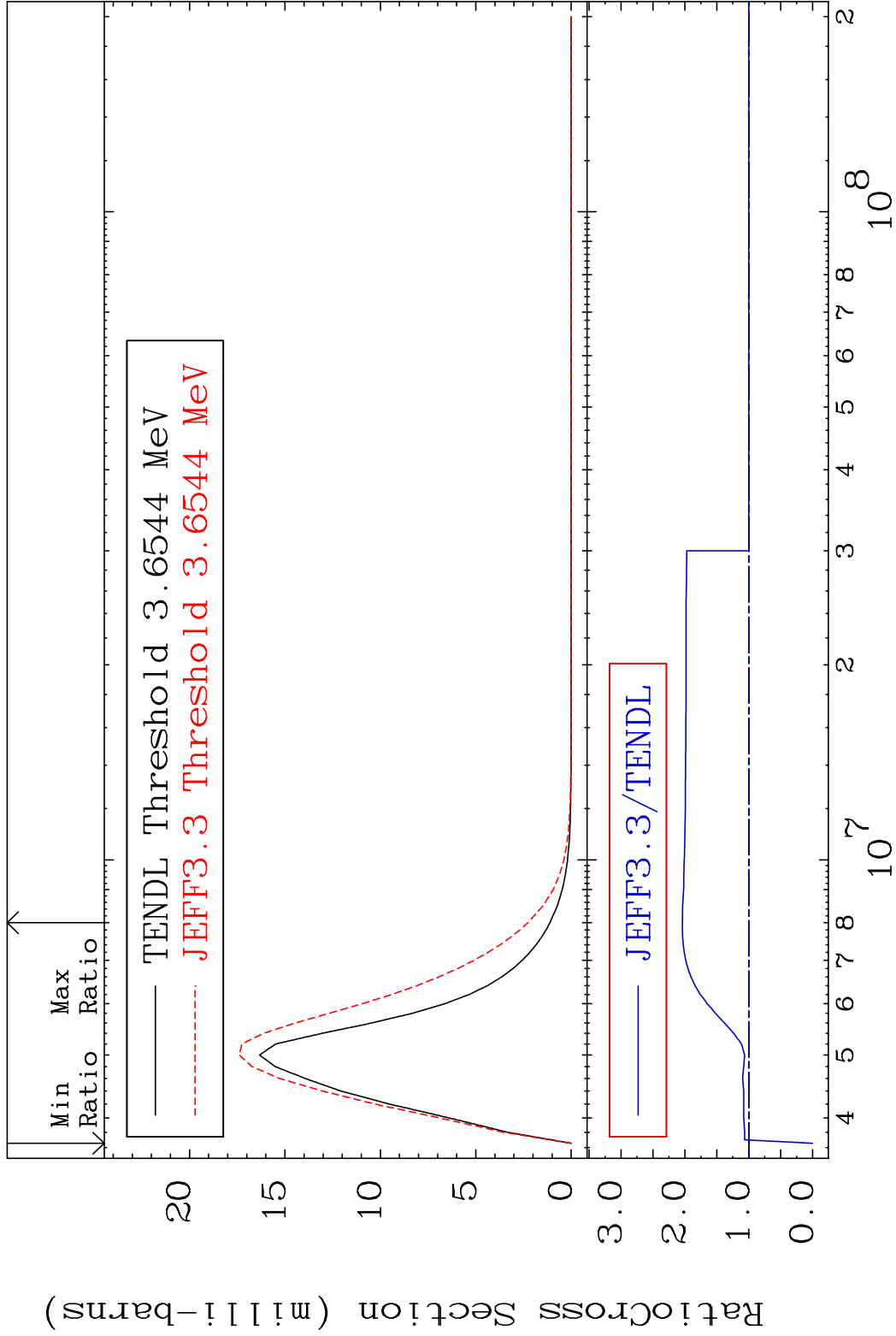




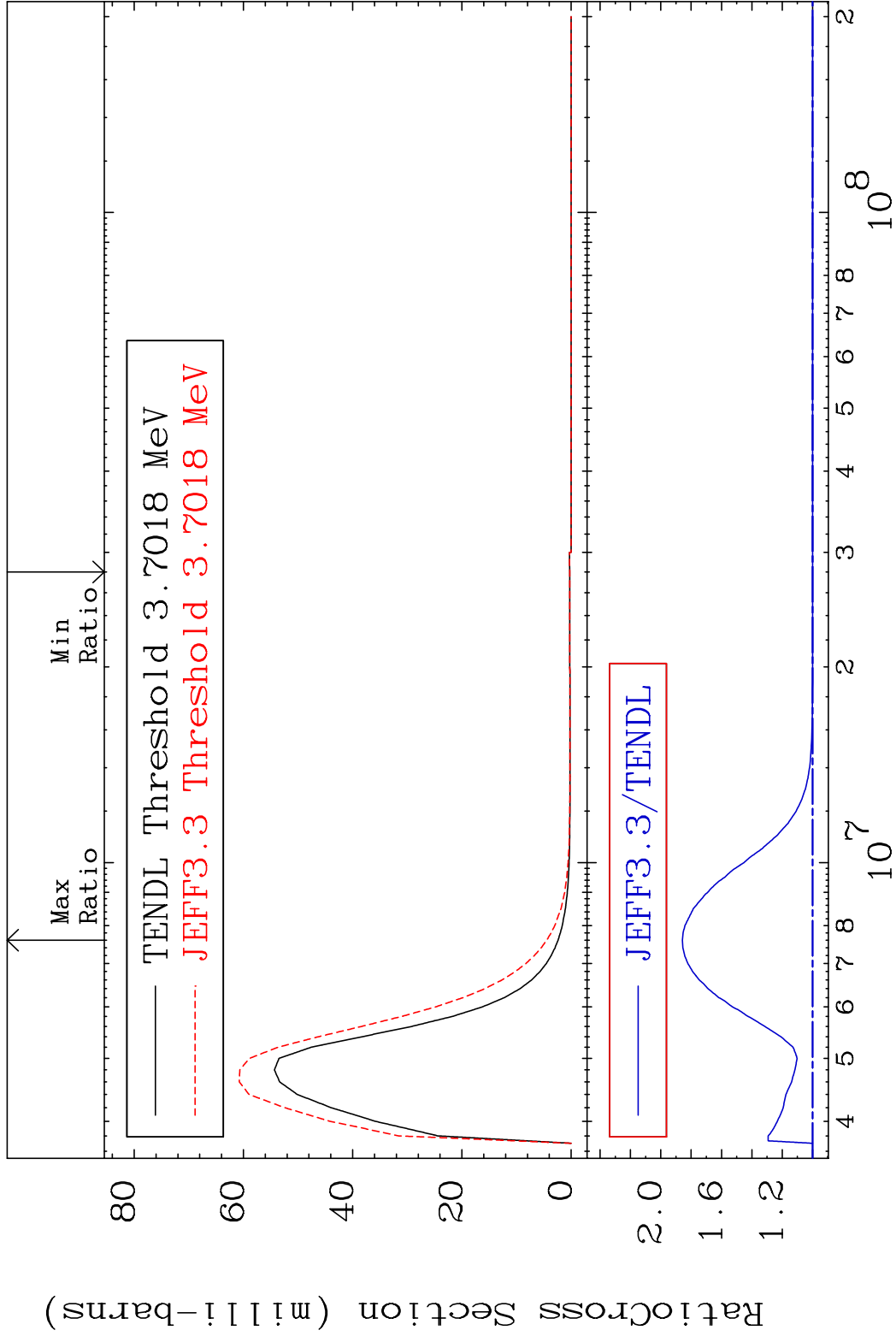




MAT 2849 MT= 62 (n,n') Level 28-Ni-66
Cross Section -100.0 To 104.0 %



MAT 2849 MT= 63 (n,n') Level 28-Ni-66
Cross Section 0.000 To 85.81 %



MAT 2849

MT= 64 (n,n')

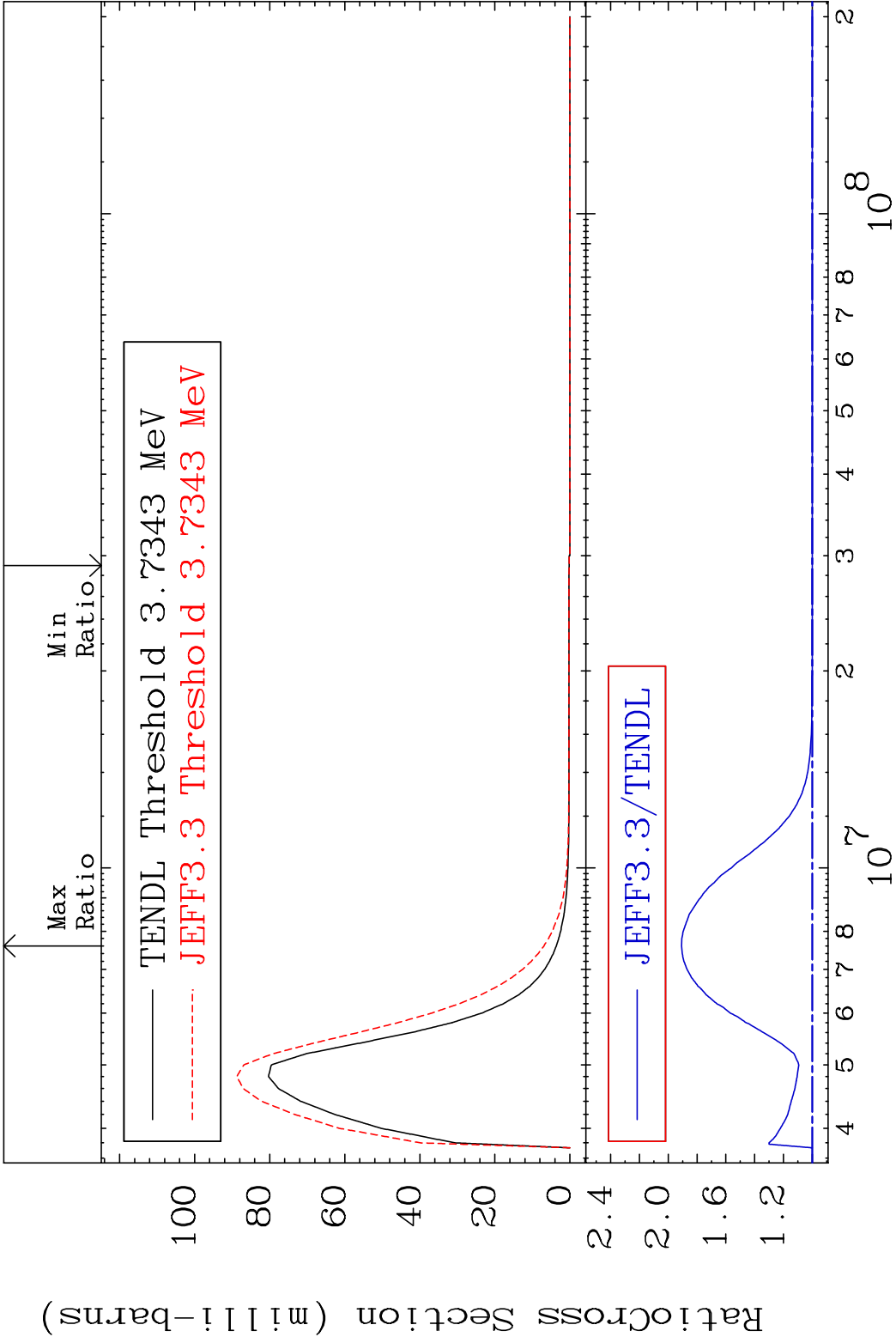
Level

28-Ni-66

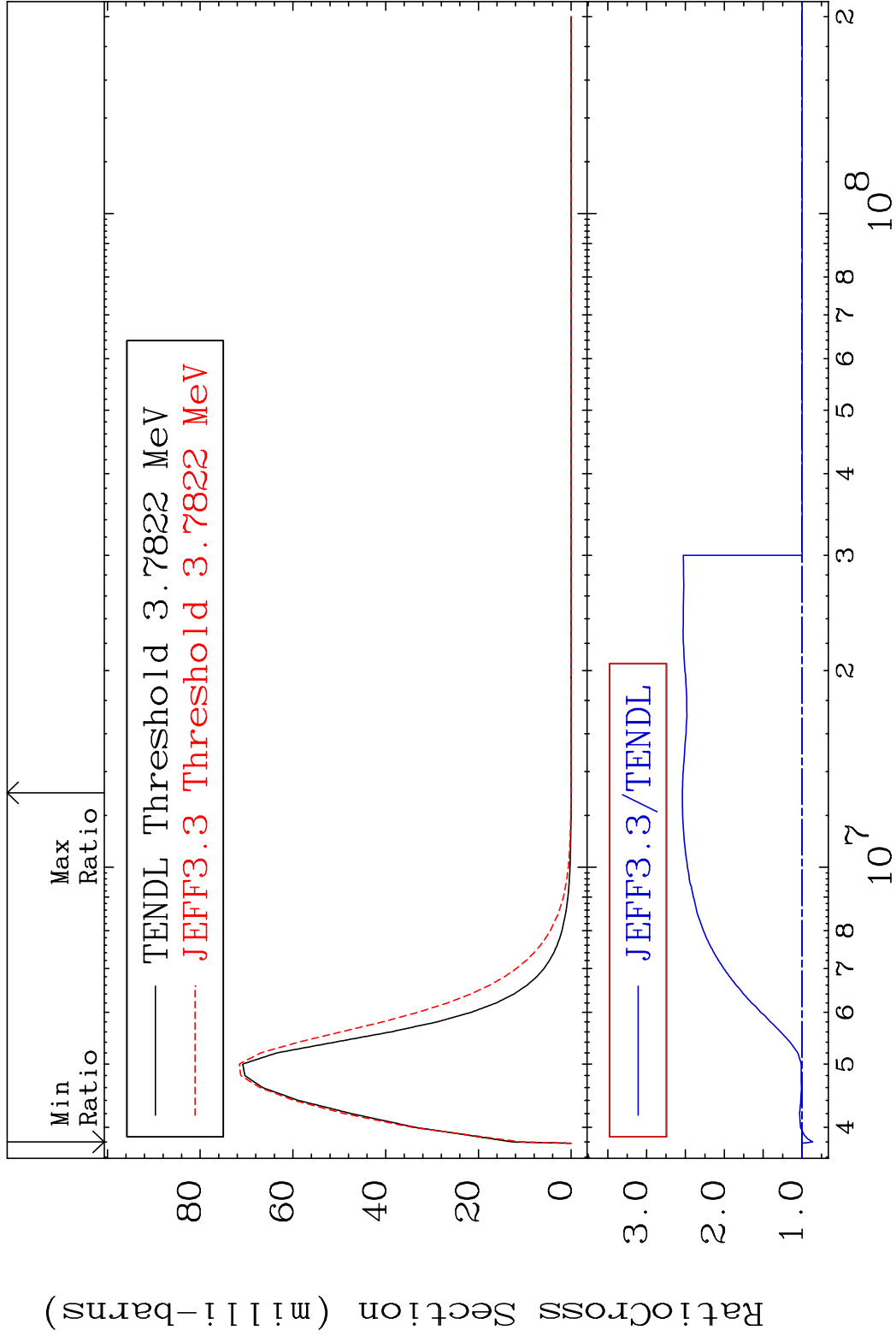
Cross Section

0.000

To 90.78 %

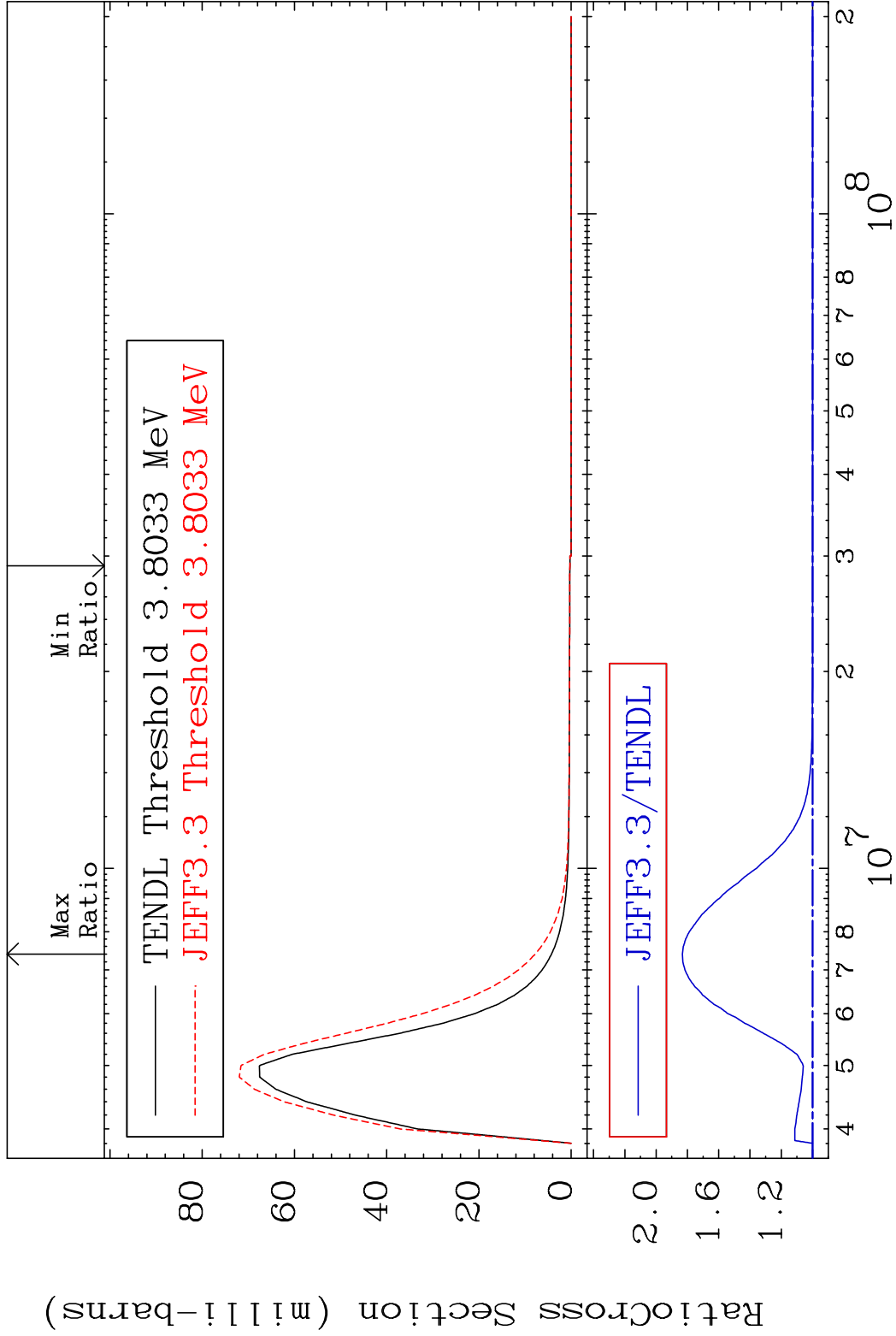


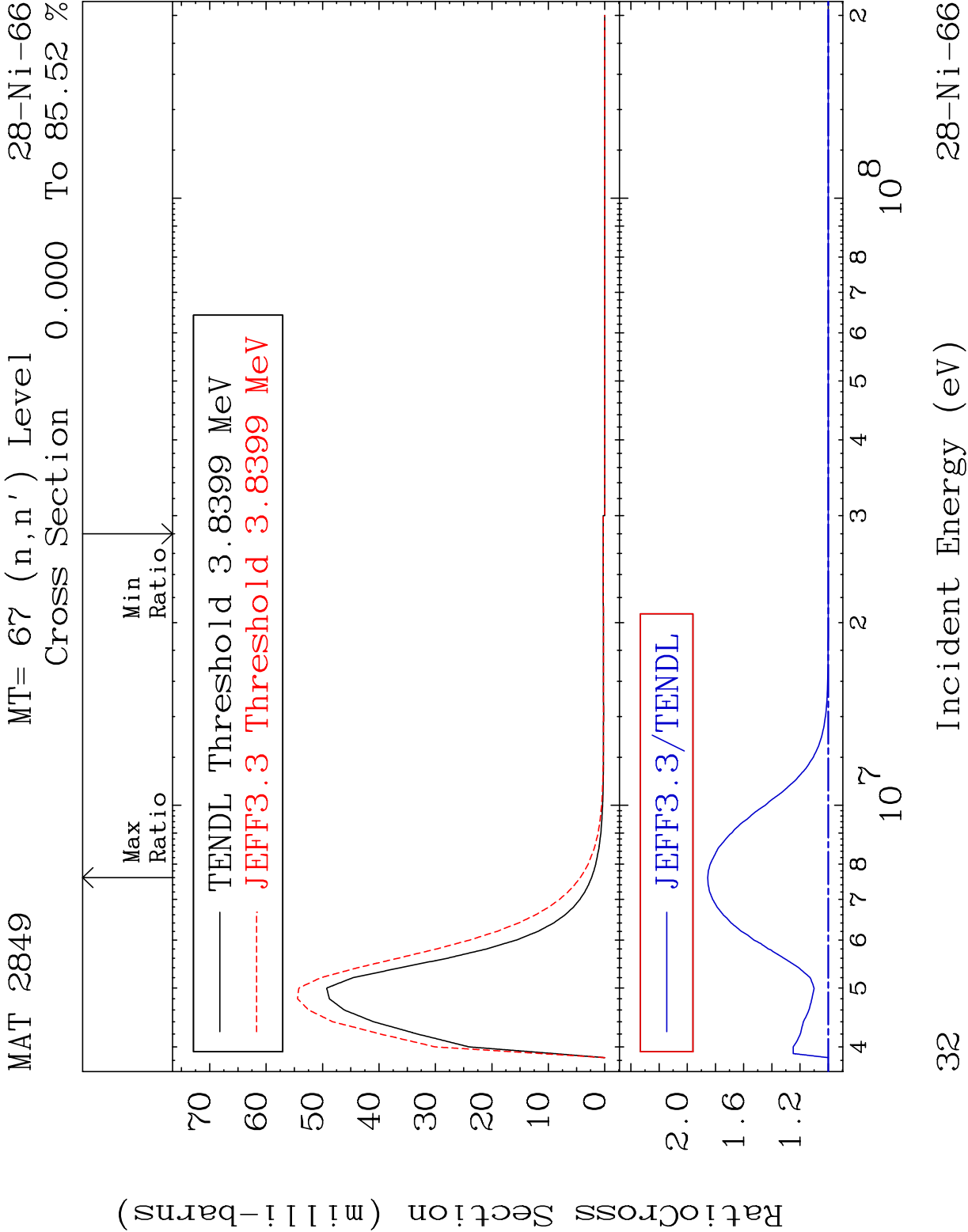
MAT 2849 MT= 65 (n,n') Level 28-Ni-66
Cross Section -13.48 To 154.0 %



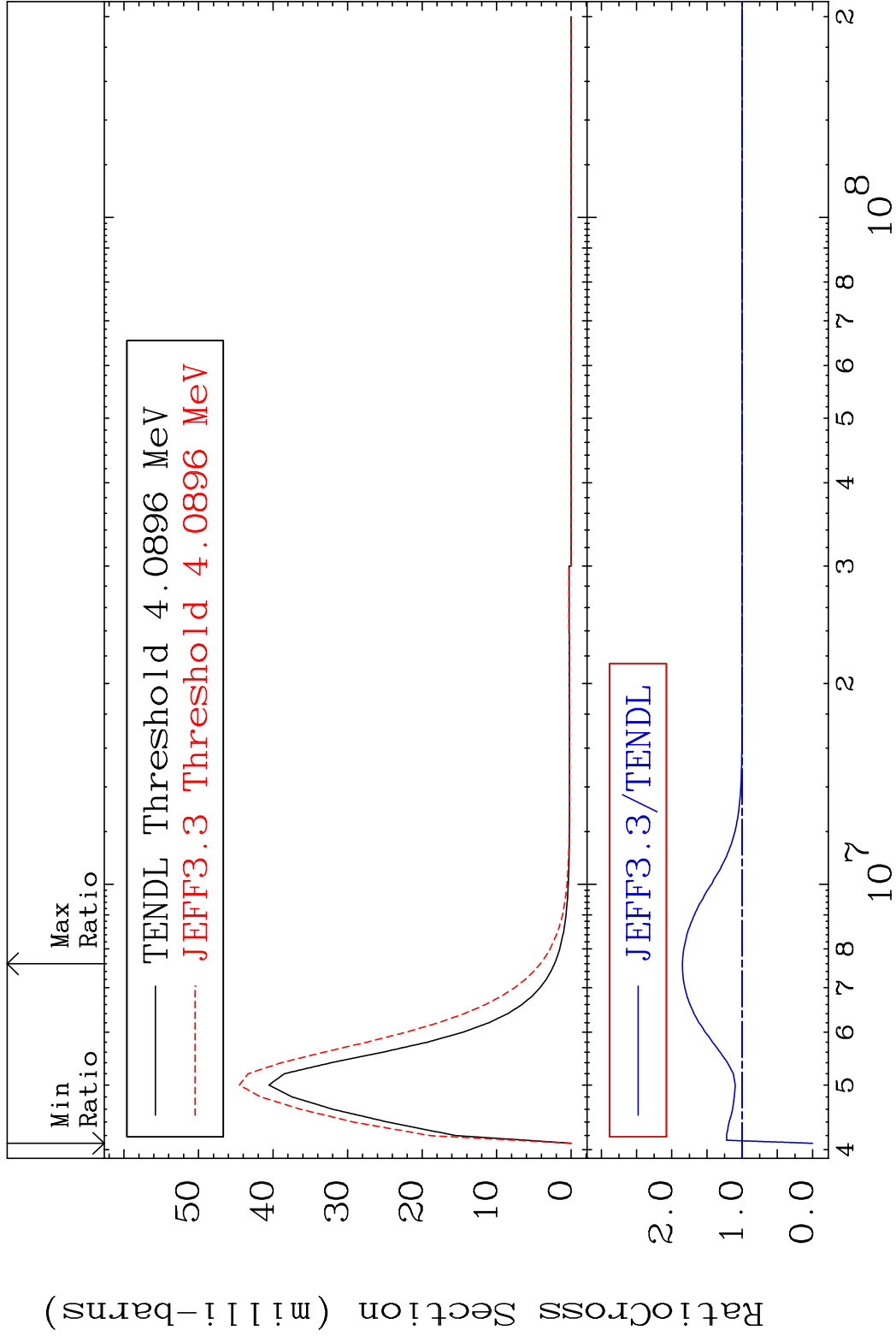
30 Incident Energy (eV) 28-Ni-66

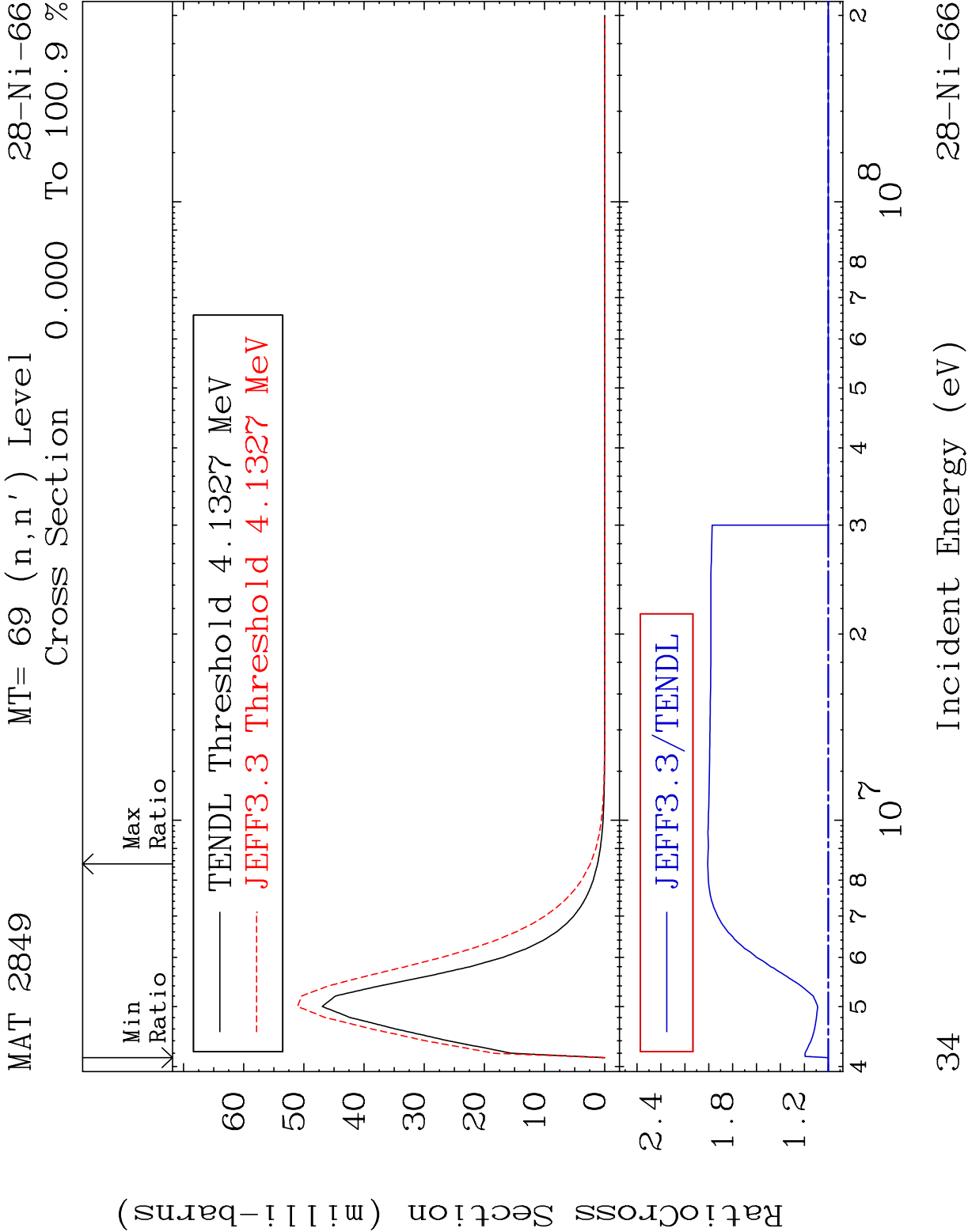
MAT 2849 MT= 66 (n,n') Level 28-Ni-66
Cross Section 0.000 To 83.23 %

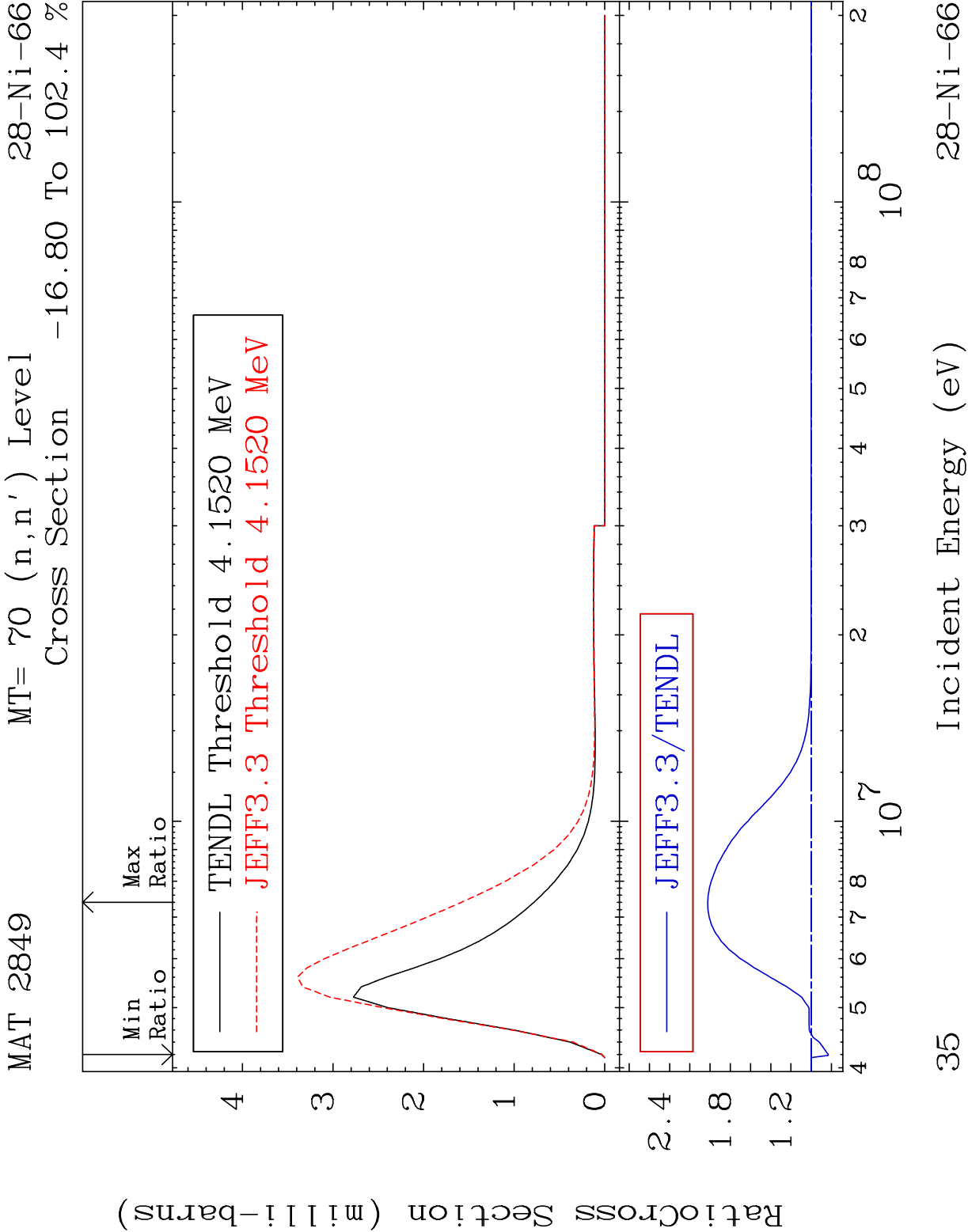




MAT 2849 MT= 68 (n,n') Level 28-Ni-66
Cross Section -100.0 To 84.95 %





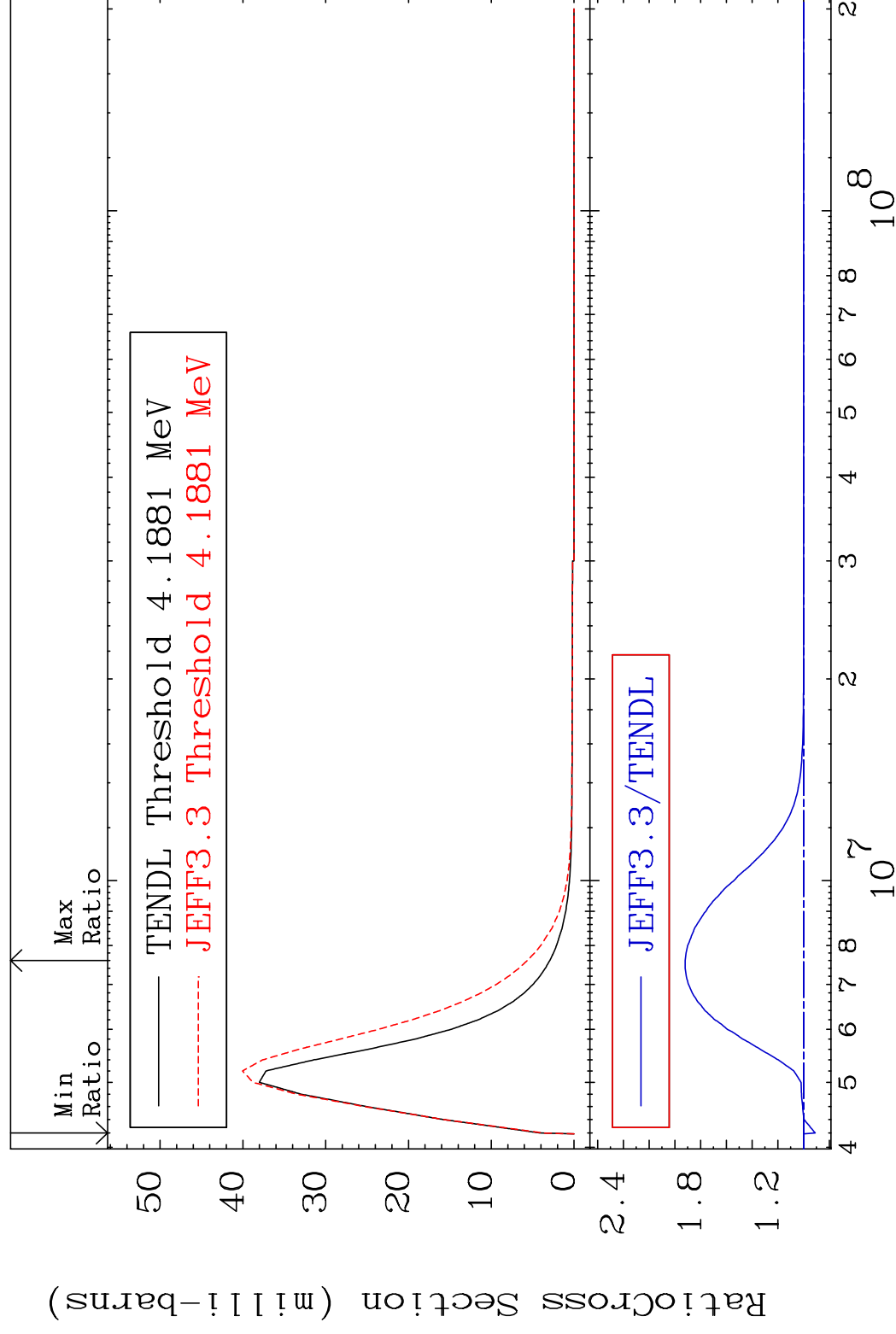


MAT 2849

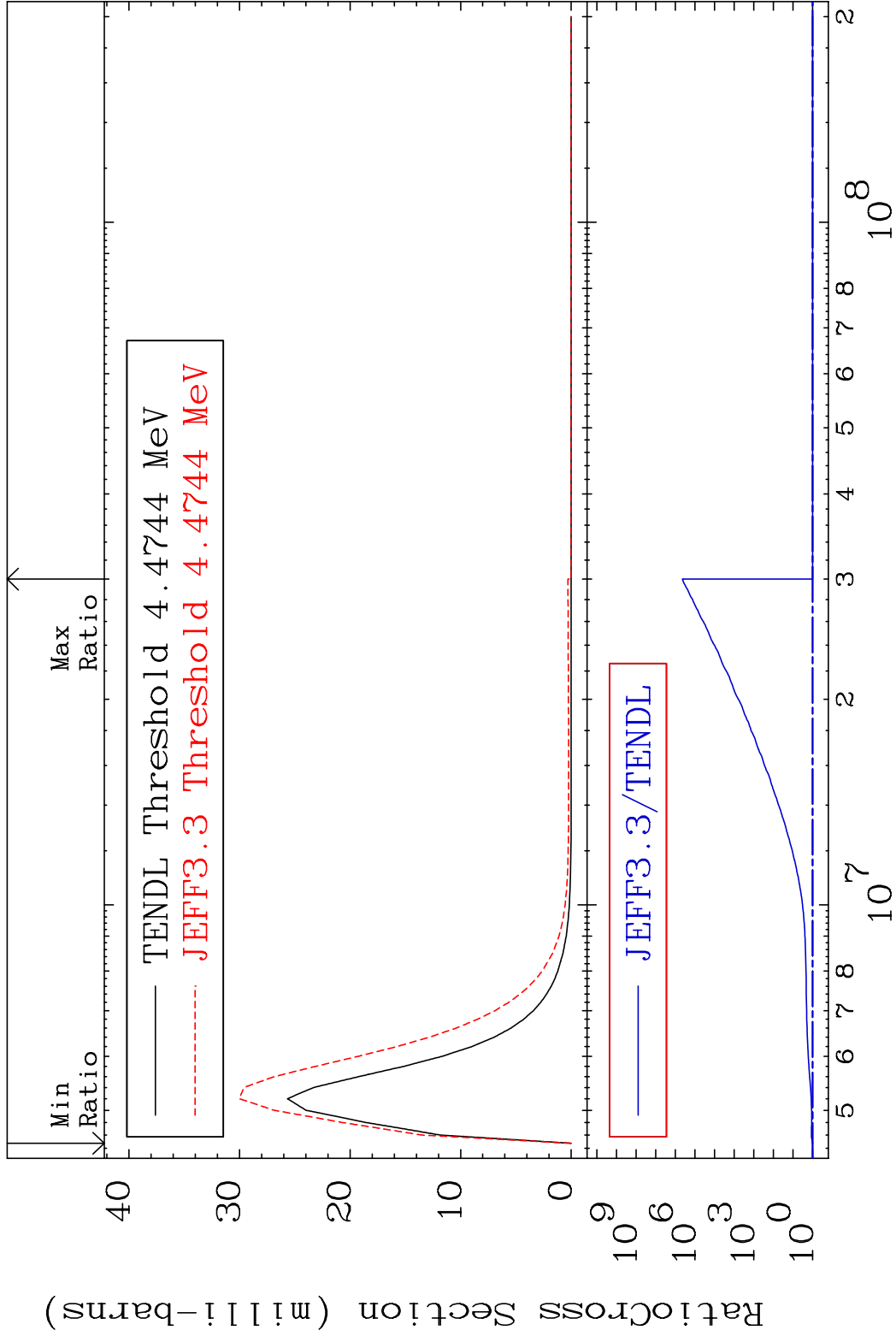
MT= $\gamma_1(n, n')$ Level

²⁸Ni-66

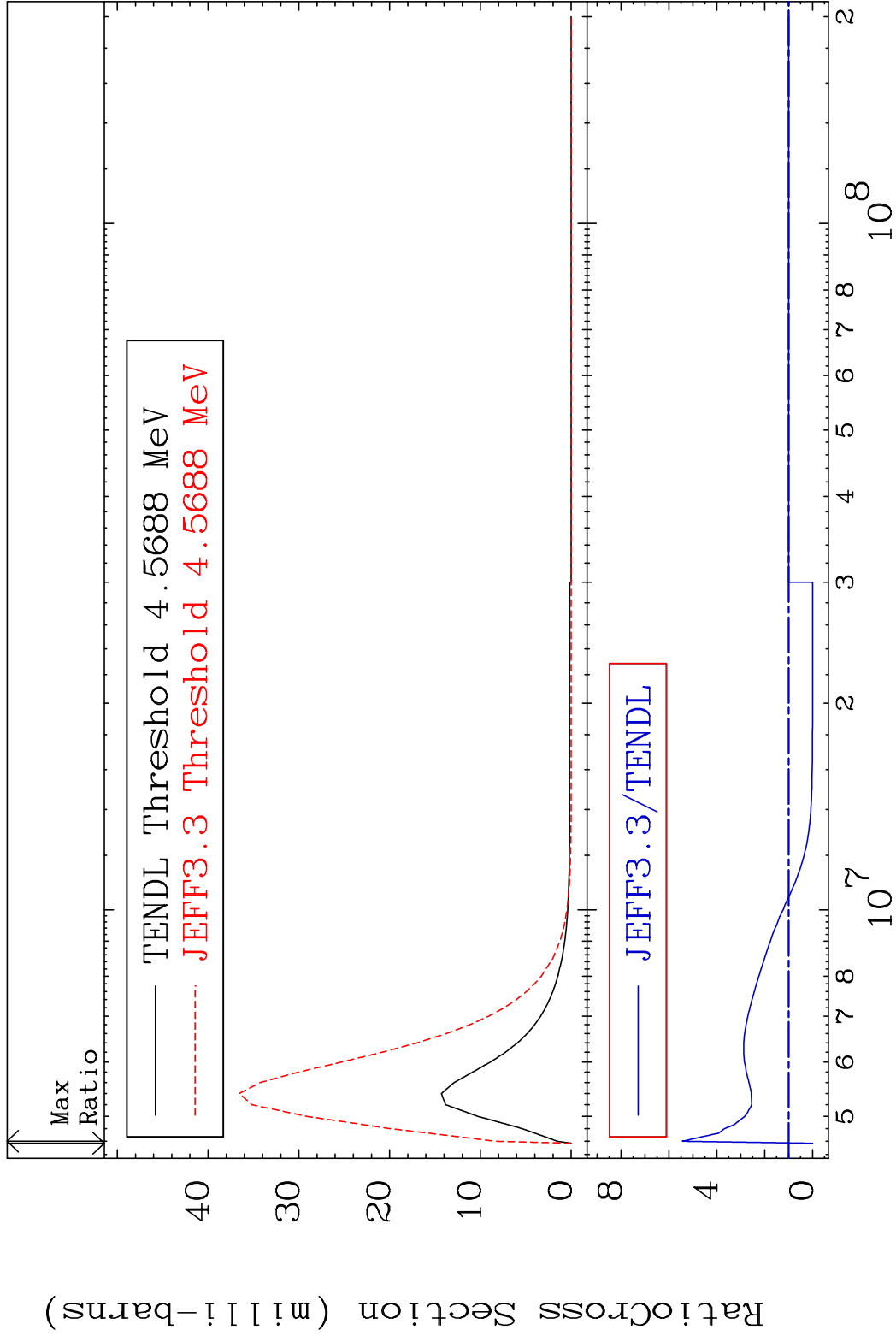
Cross Section -8.995 To 92.02 %

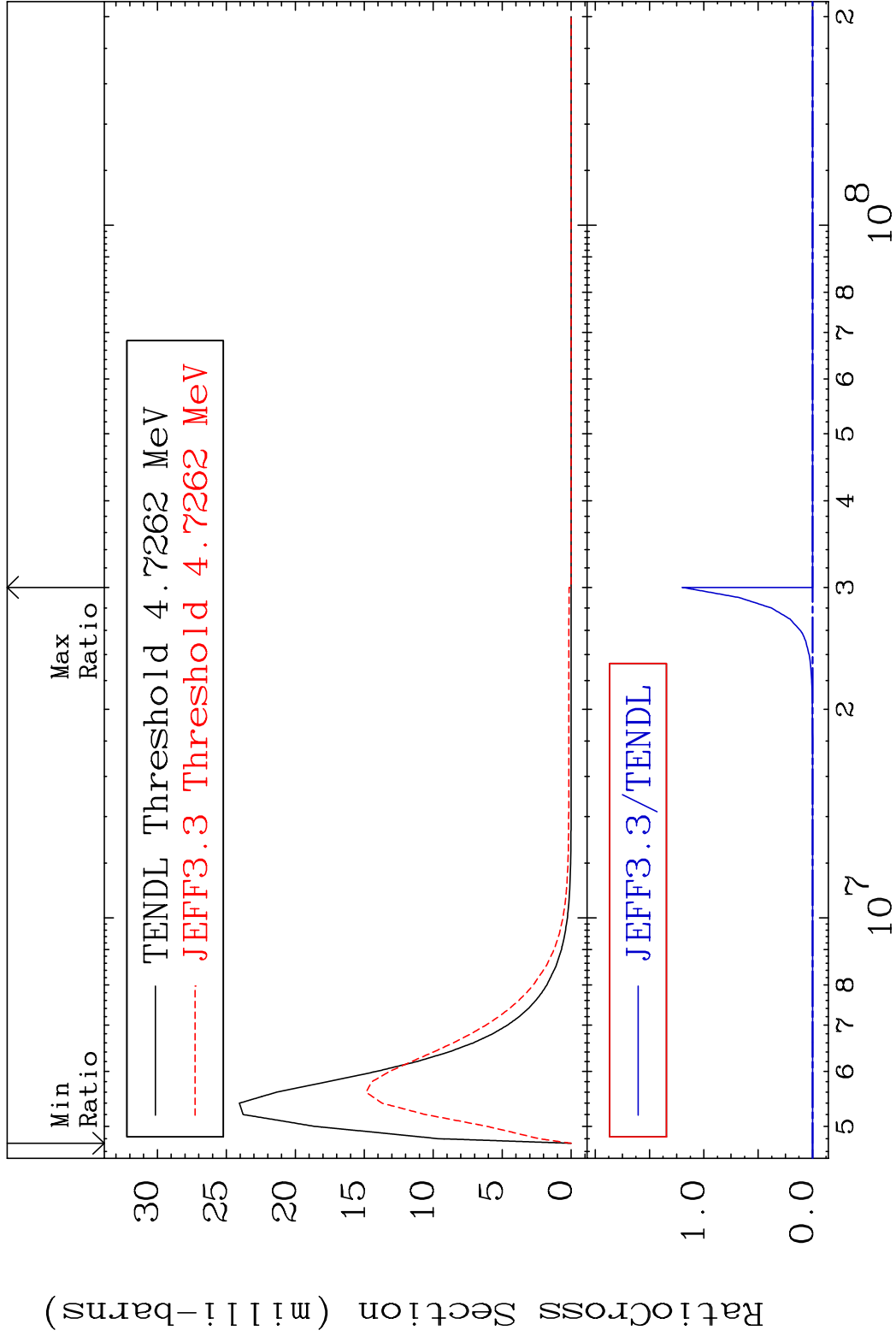


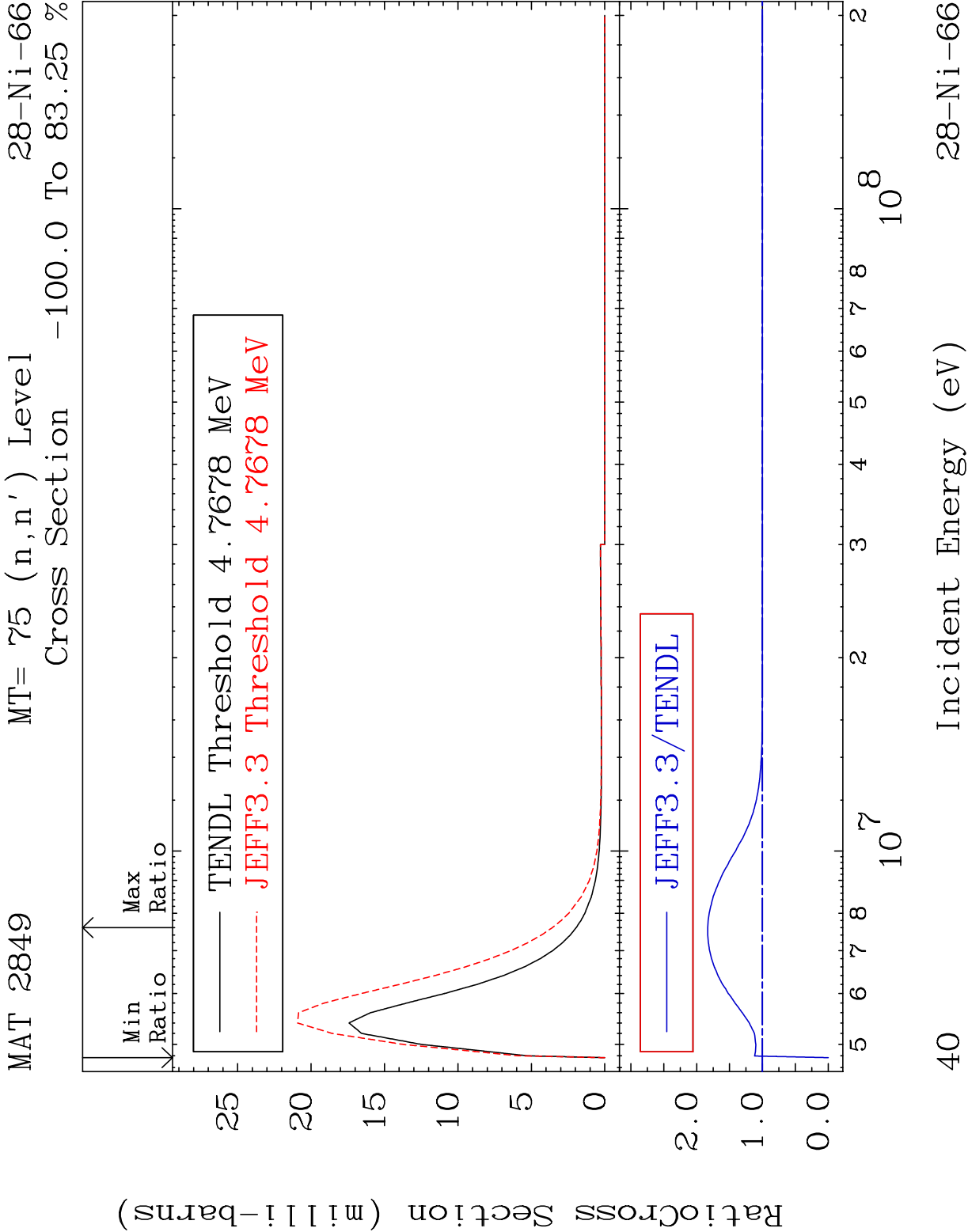
MAT 2849 MT= 72 (n,n') Level 28-Ni-66
Cross Section 0.000 To 9999. %



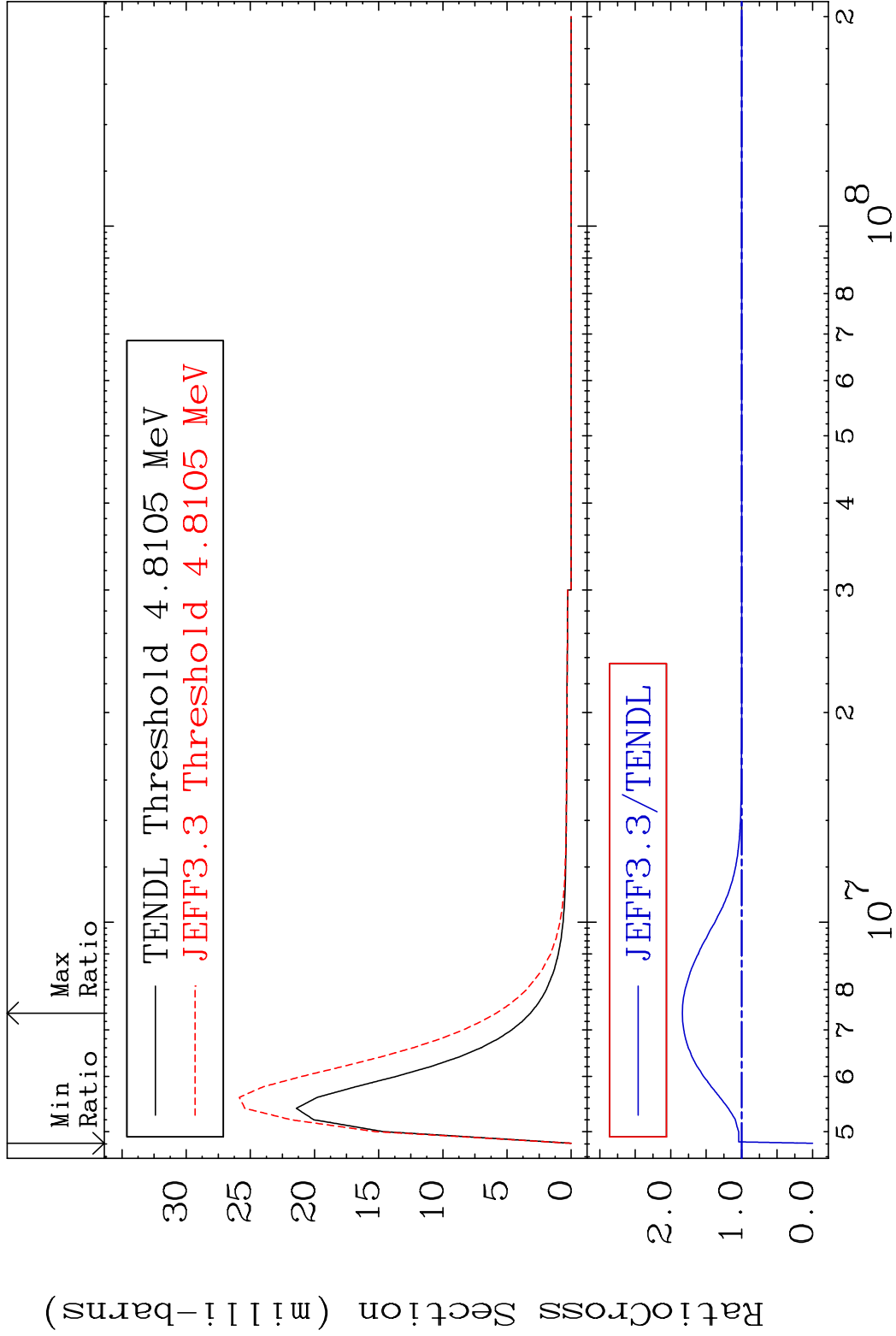
MAT 2849 MT= 73 (n,n') Level 28-Ni-66
Cross Section -100.0 To 444.0 %

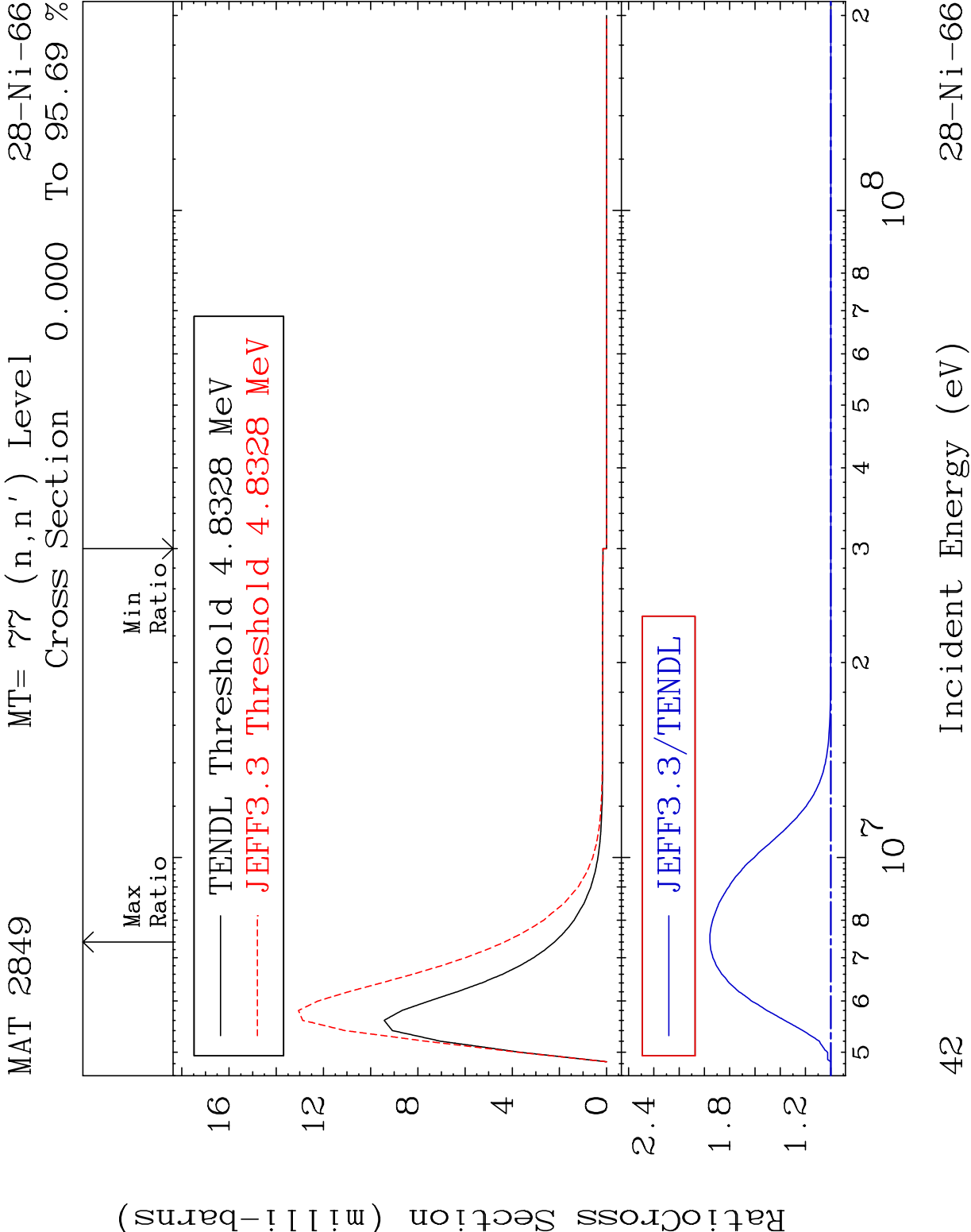






MAT 2849 MT= 76 (n,n') Level 28-Ni-66
Cross Section -100.0 To 83.61 %





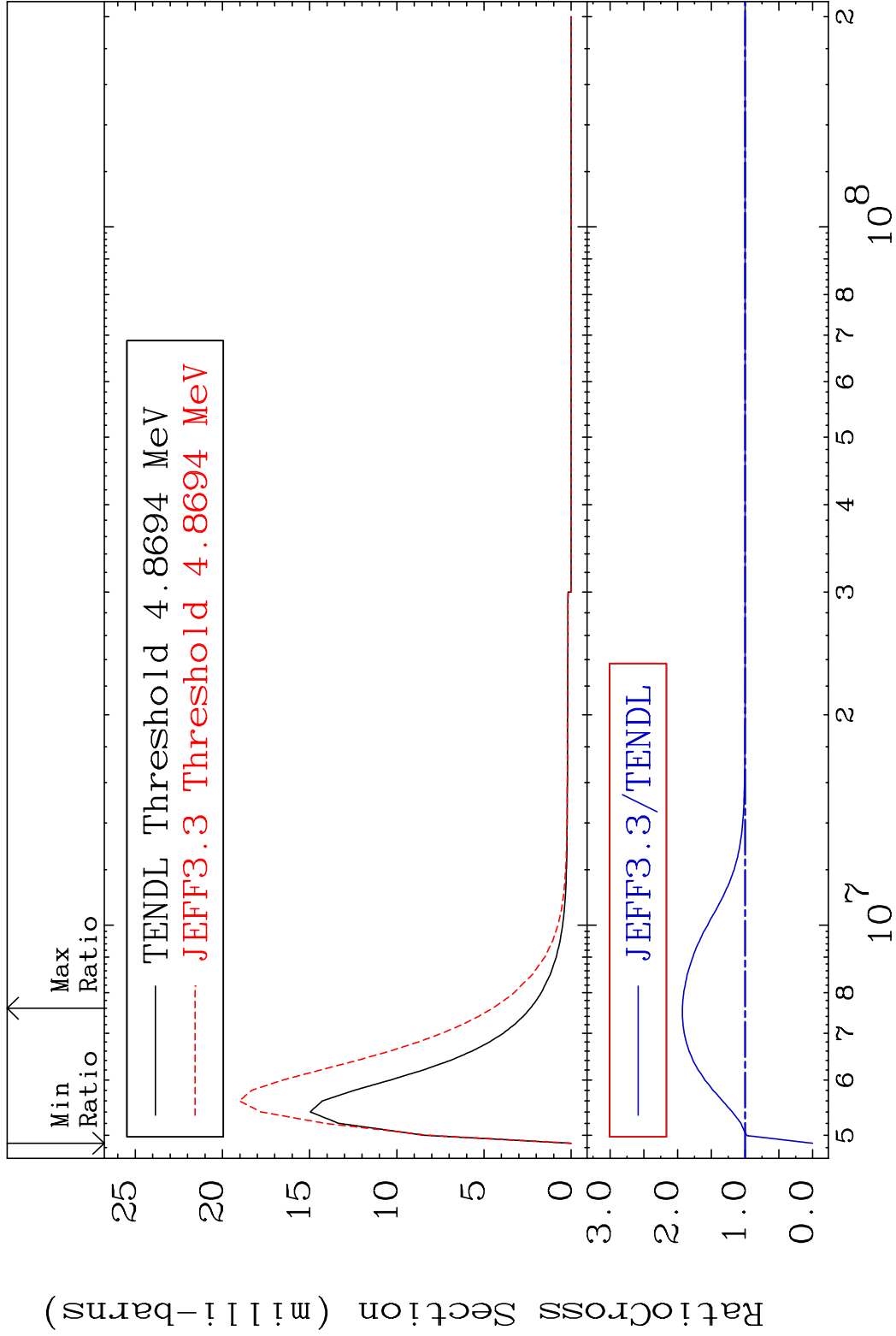
RatioCross Section (milli-barns)

TENDL Threshold 4.8328 MeV

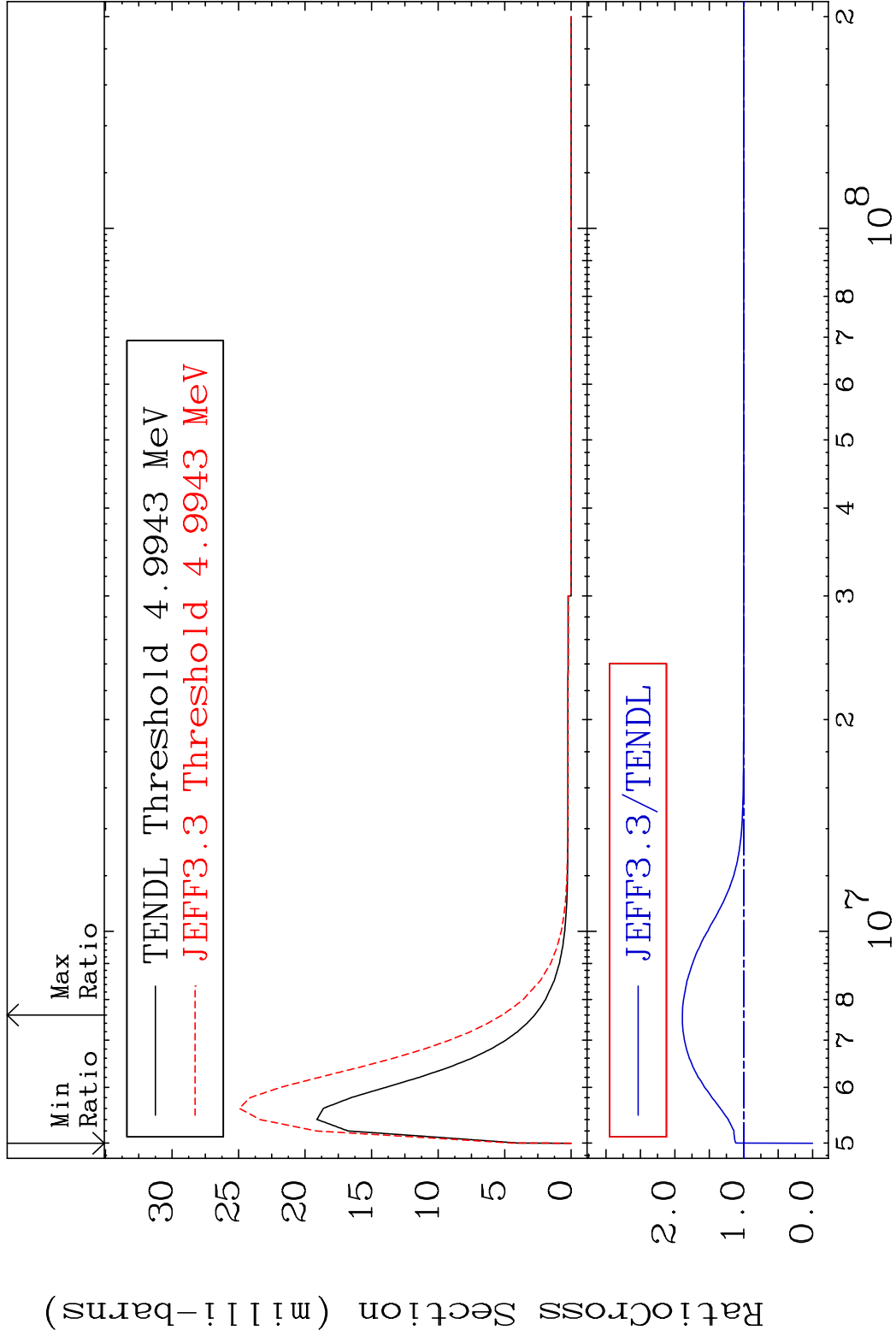
JEFF3.3 Threshold 4.8328 MeV

JEFF3.3/TENDL

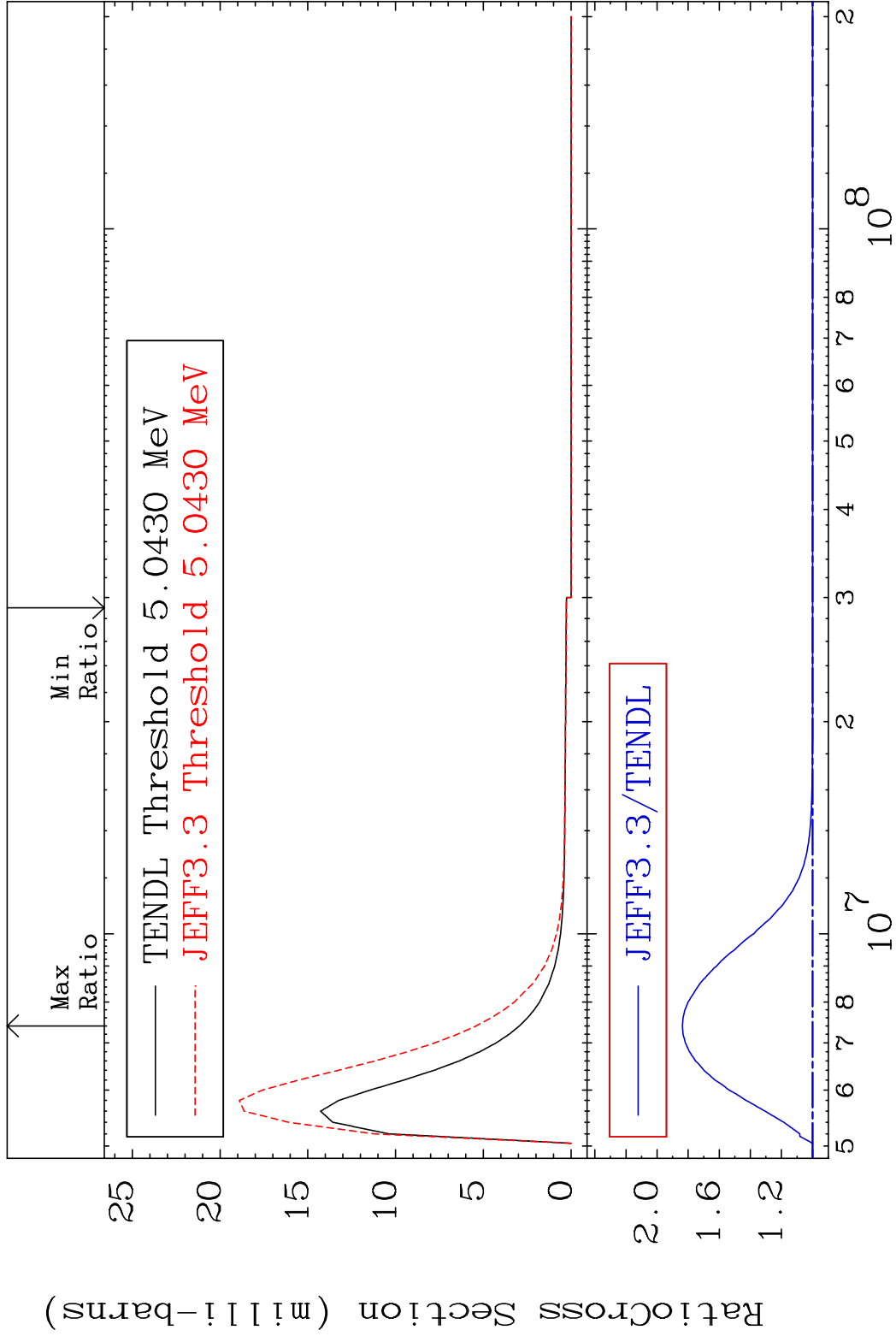
MAT 2849 MT= 78 (n,n') Level 28-Ni-66
Cross Section -100.0 To 92.82 %

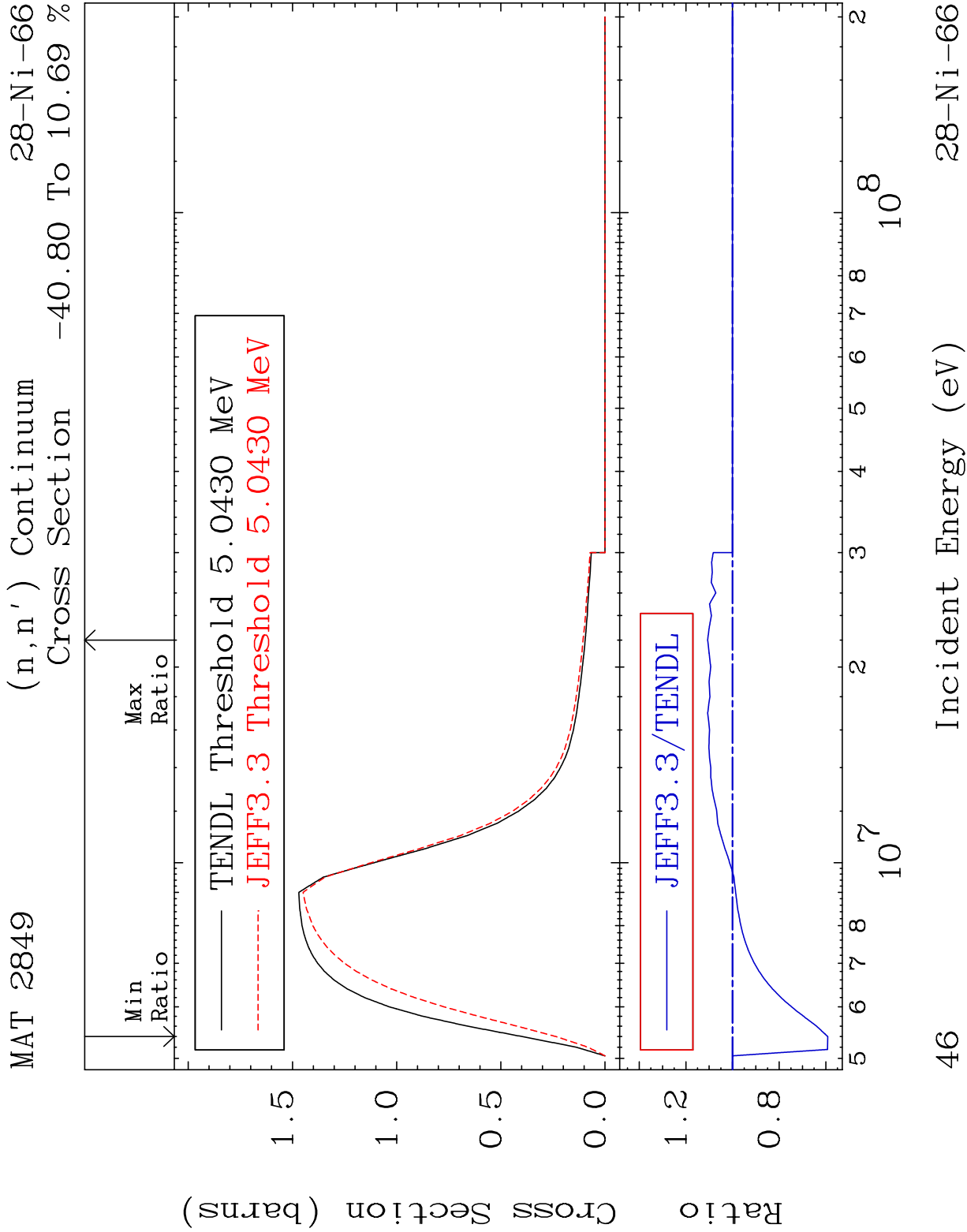


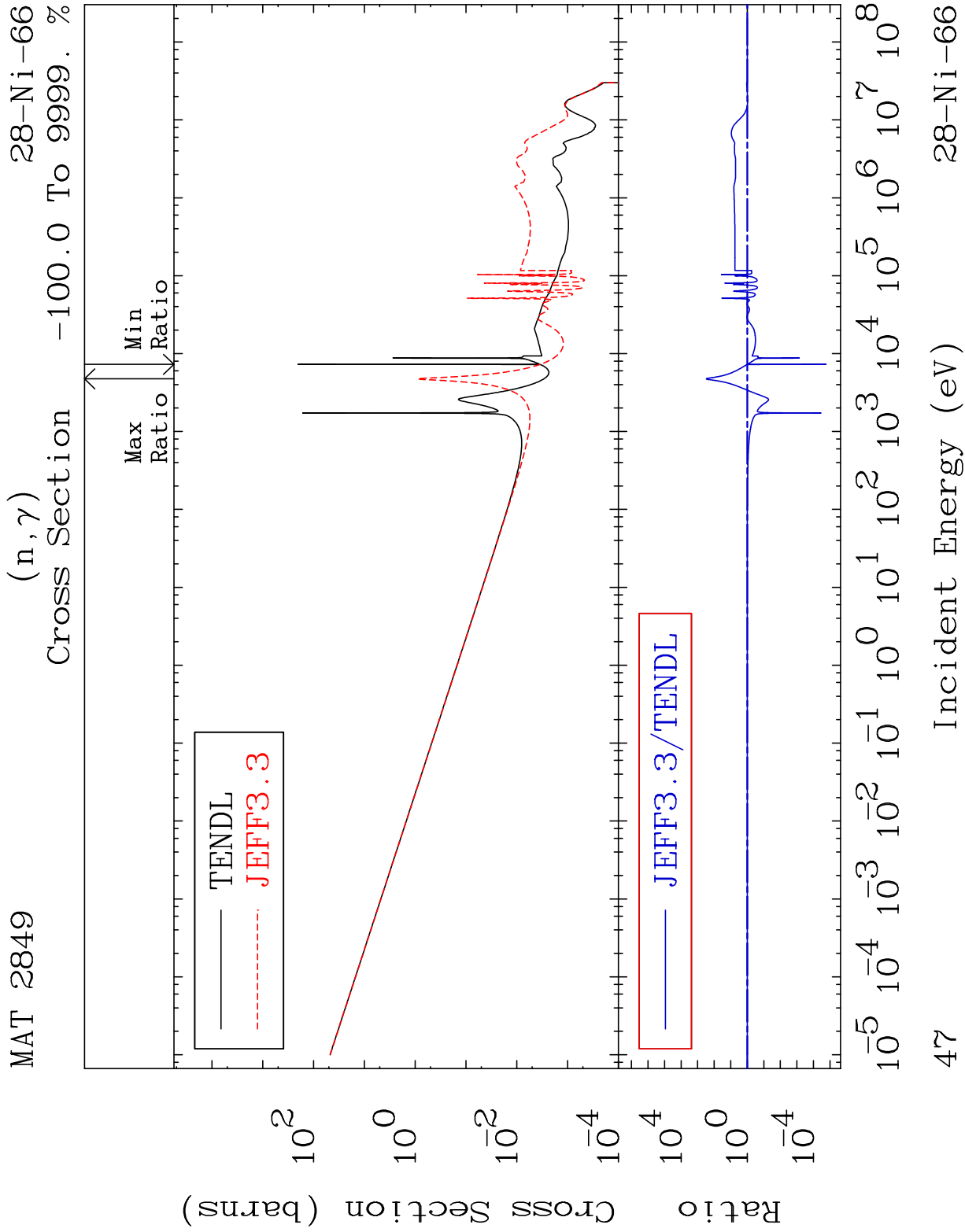
MAT 2849 MT= 79 (n,n') Level 28-Ni-66
Cross Section -100.0 To 89.05 %

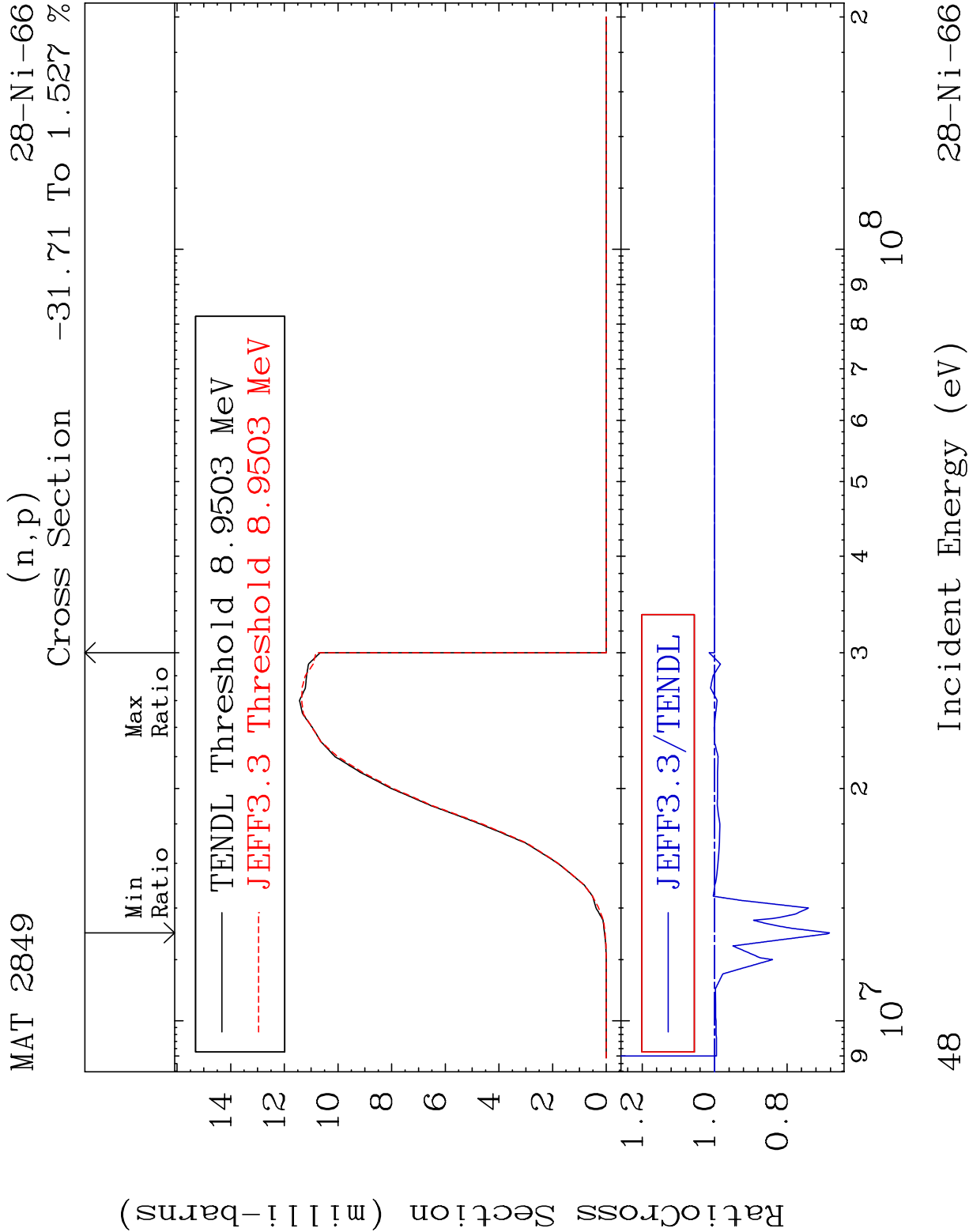


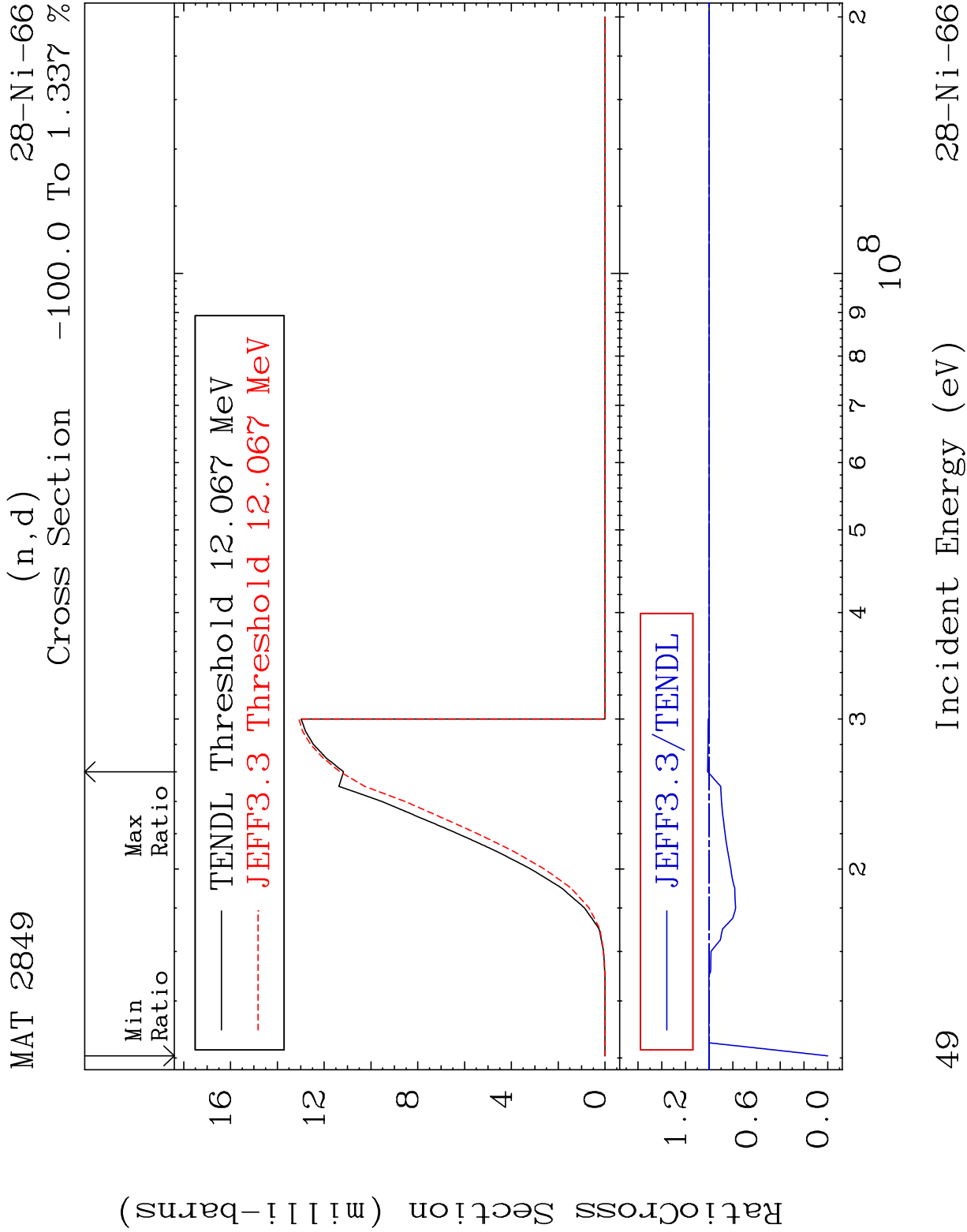
MAT 2849 MT= 80 (n,n') Level 28-Ni-66
Cross Section 0.000 To 83.74 %

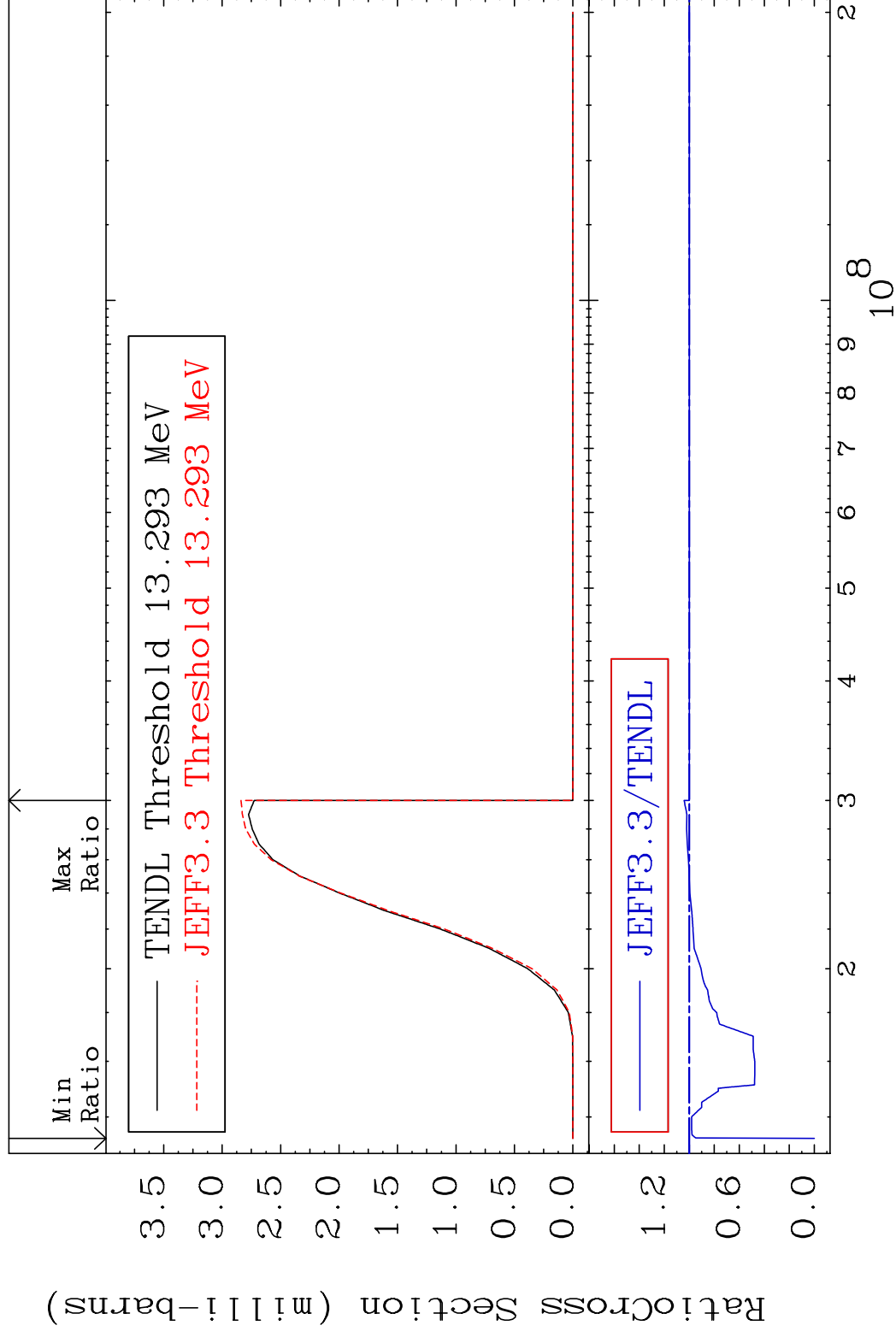


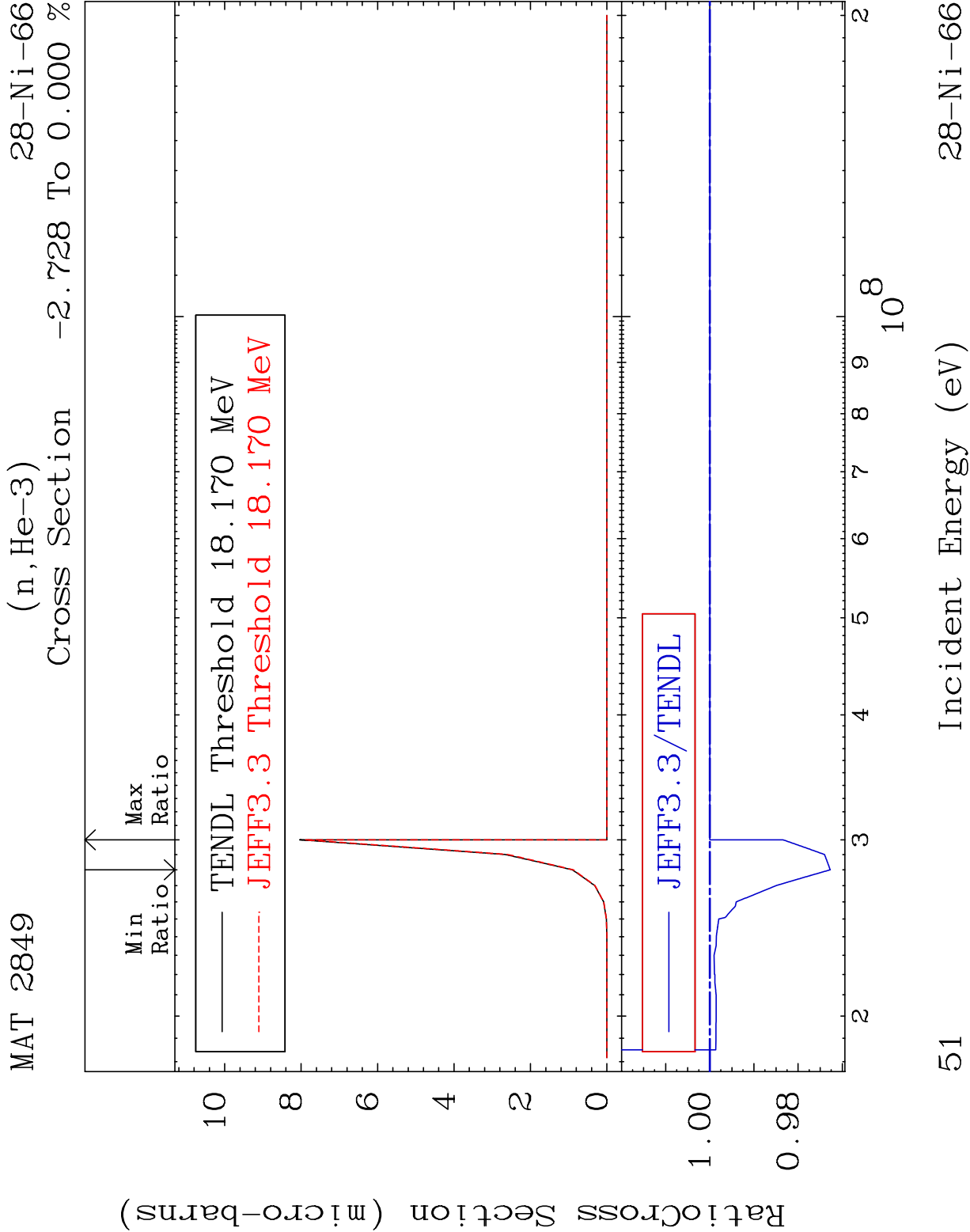


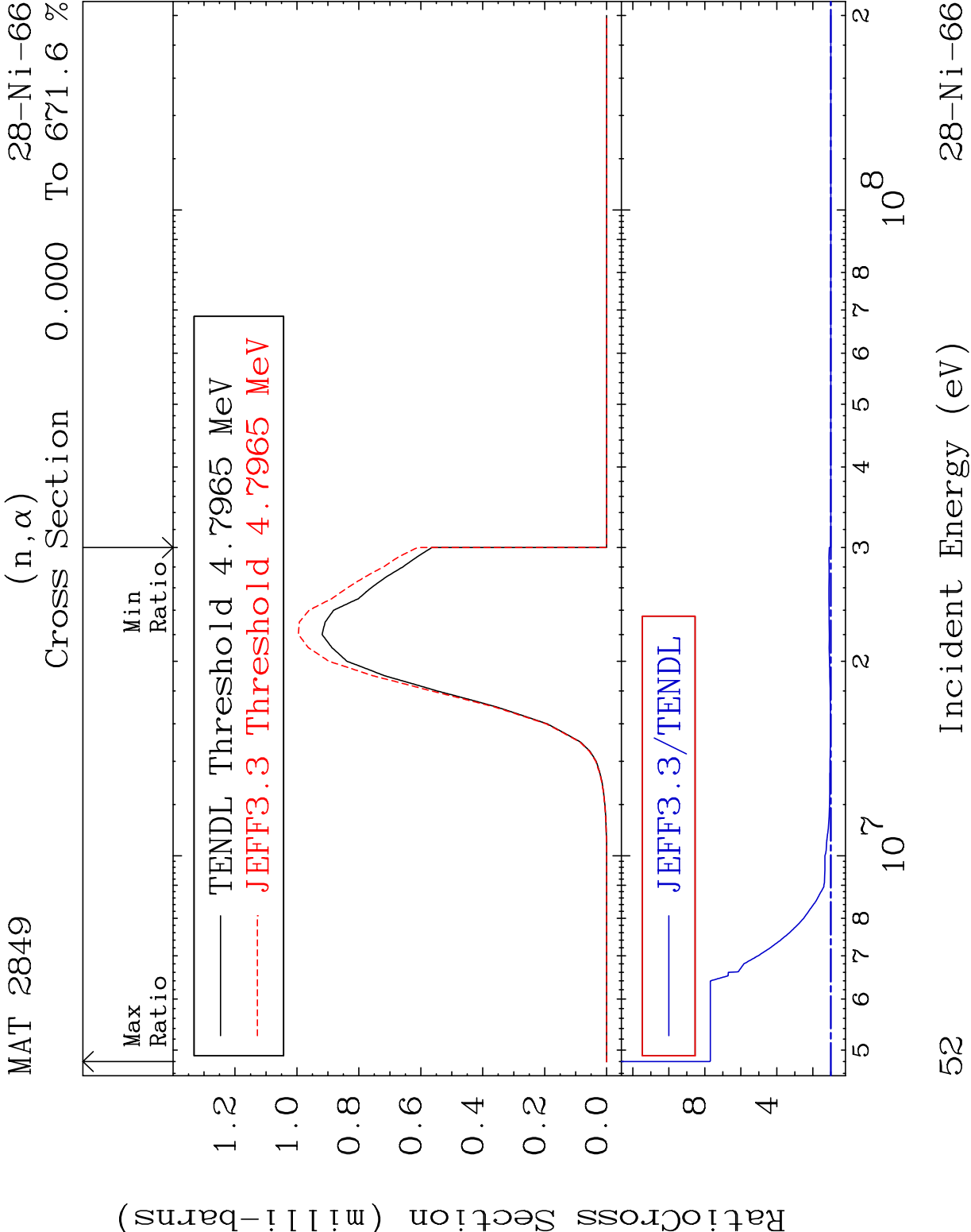


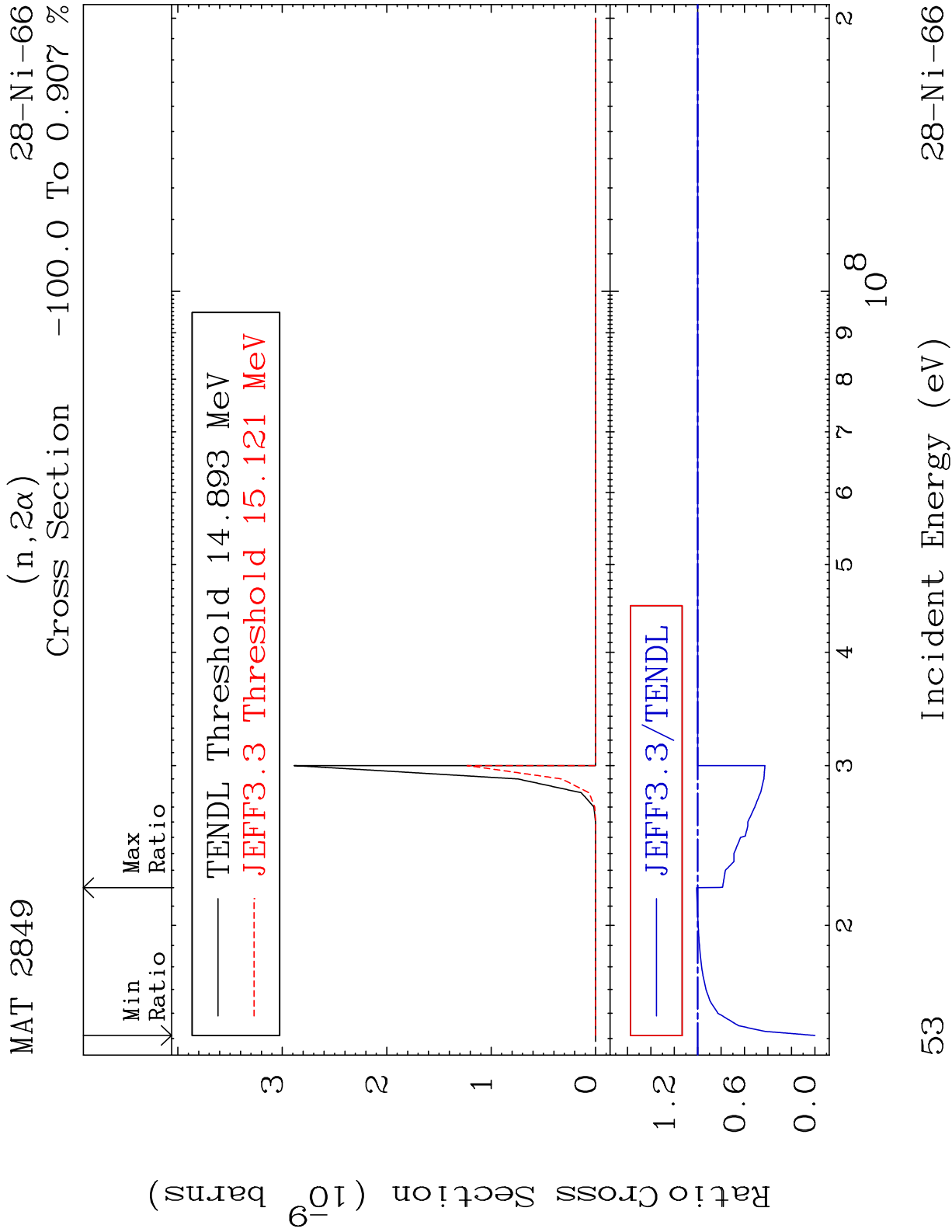


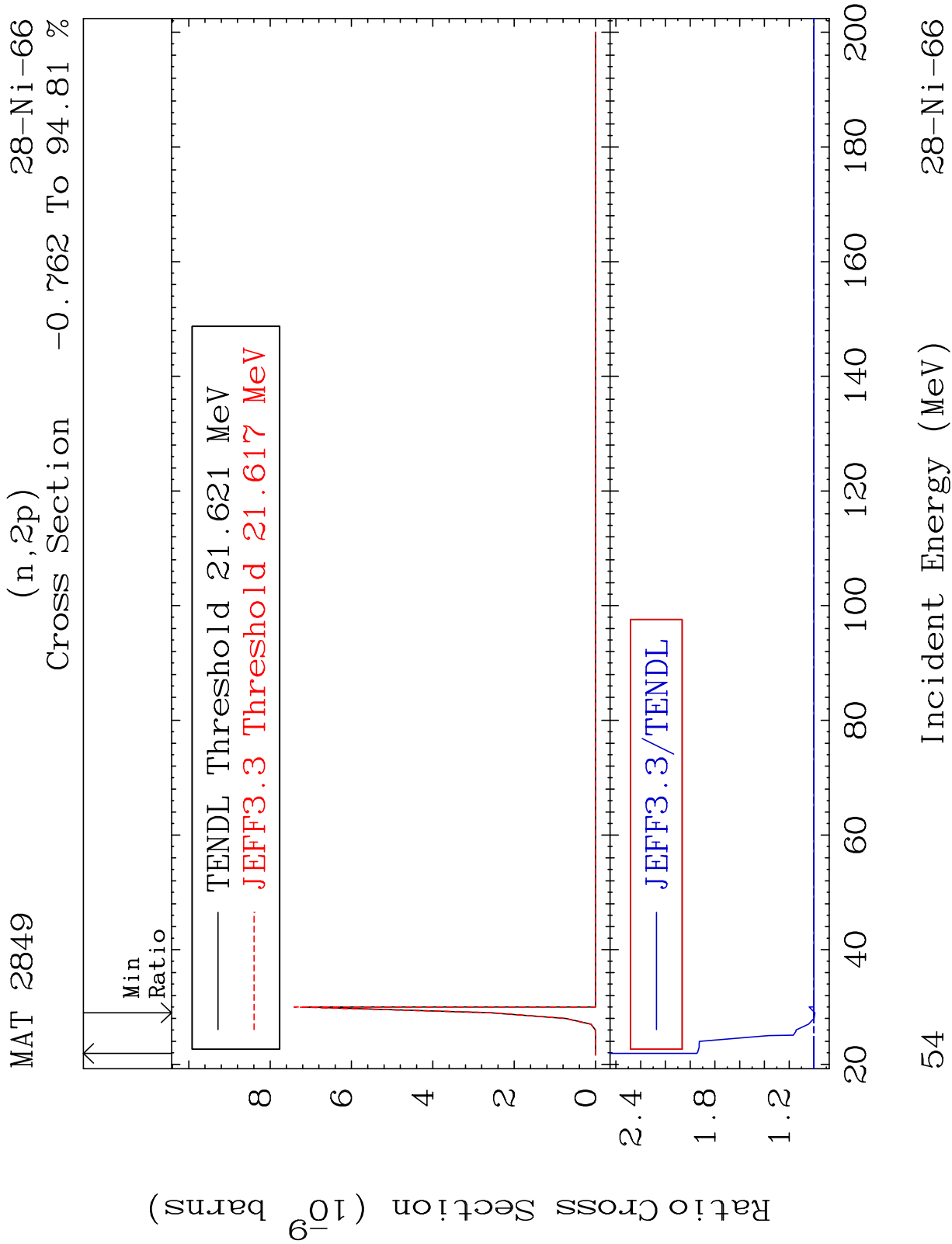






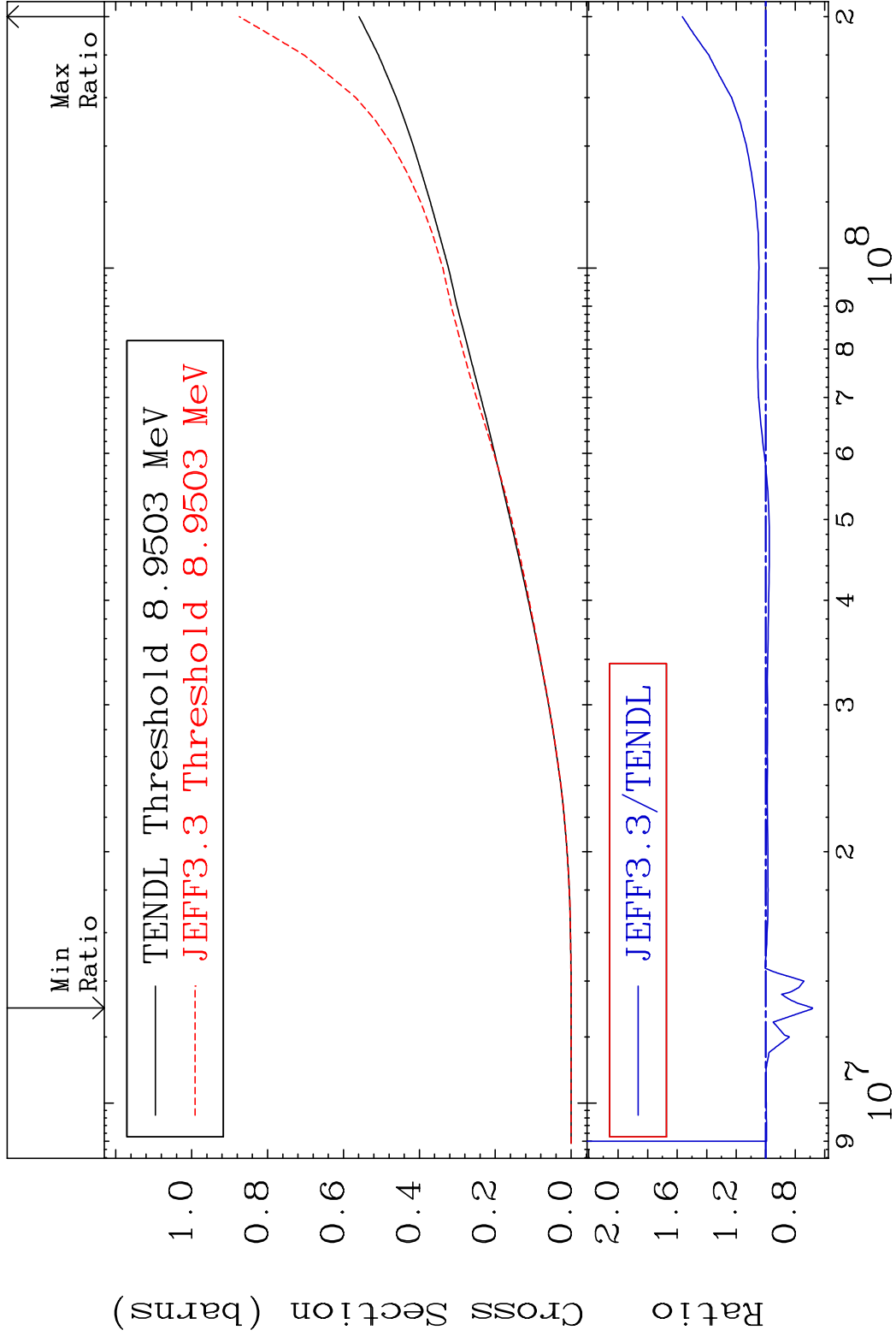


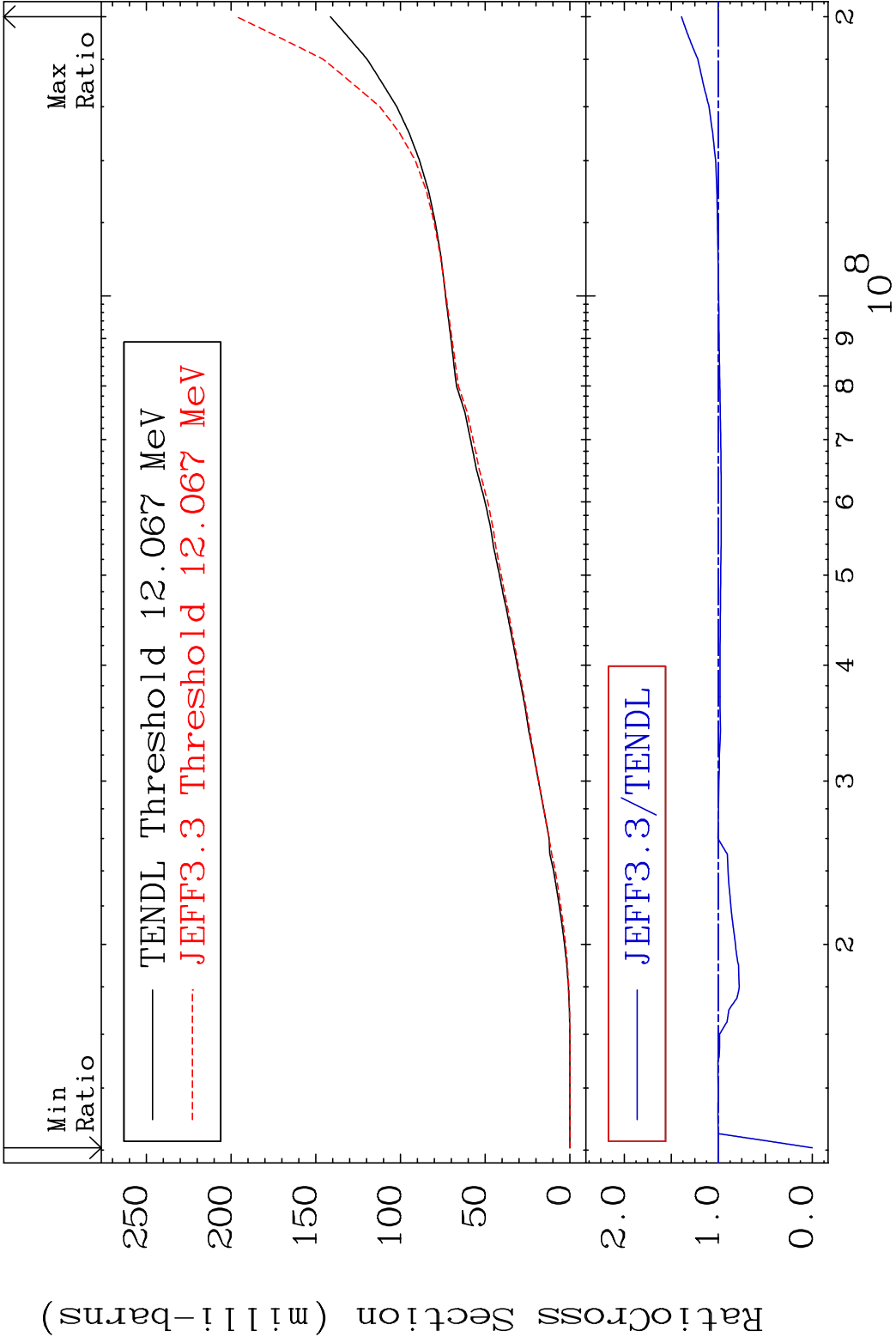


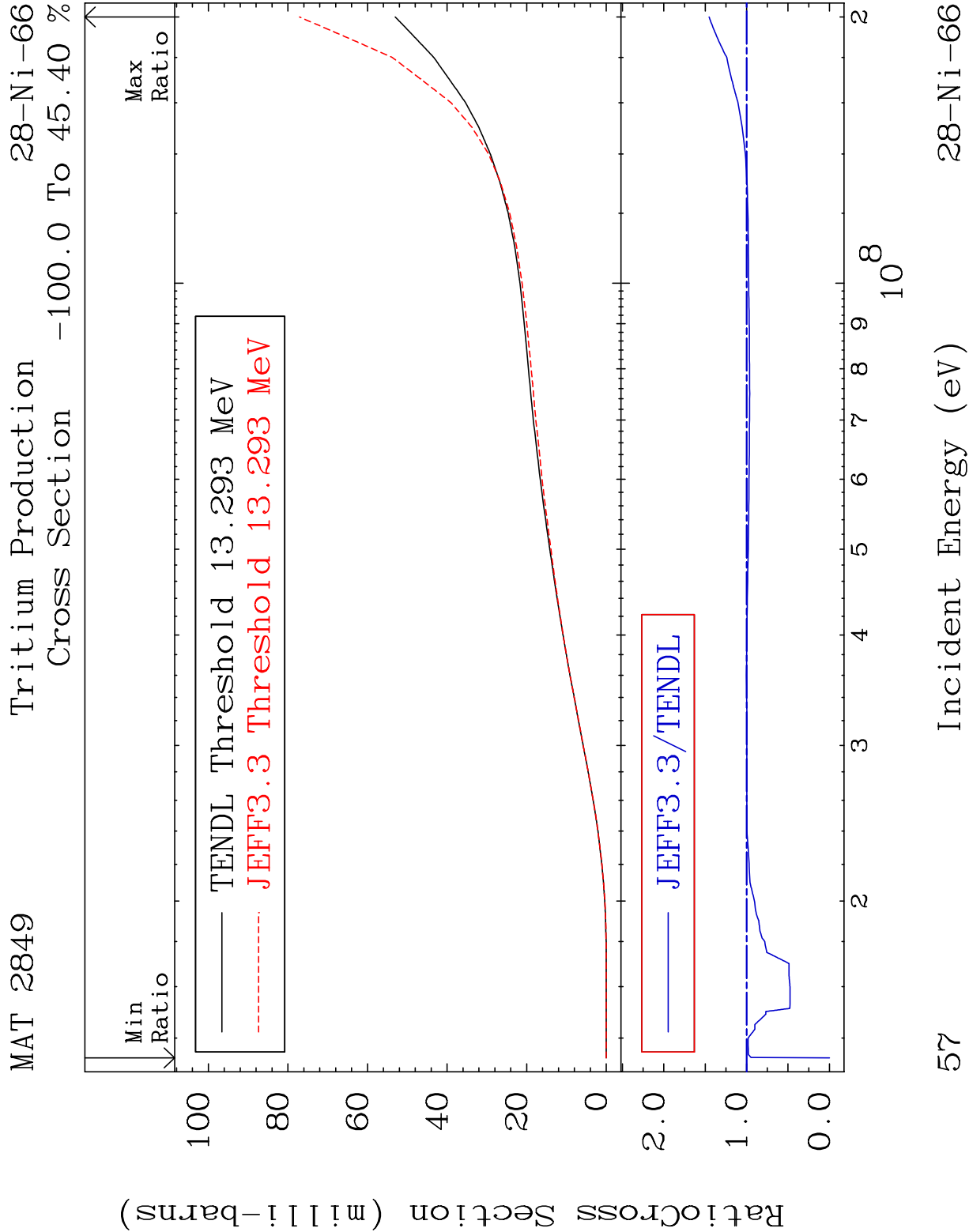


MAT 2849 Hydrogen Production ²⁸Ni-66

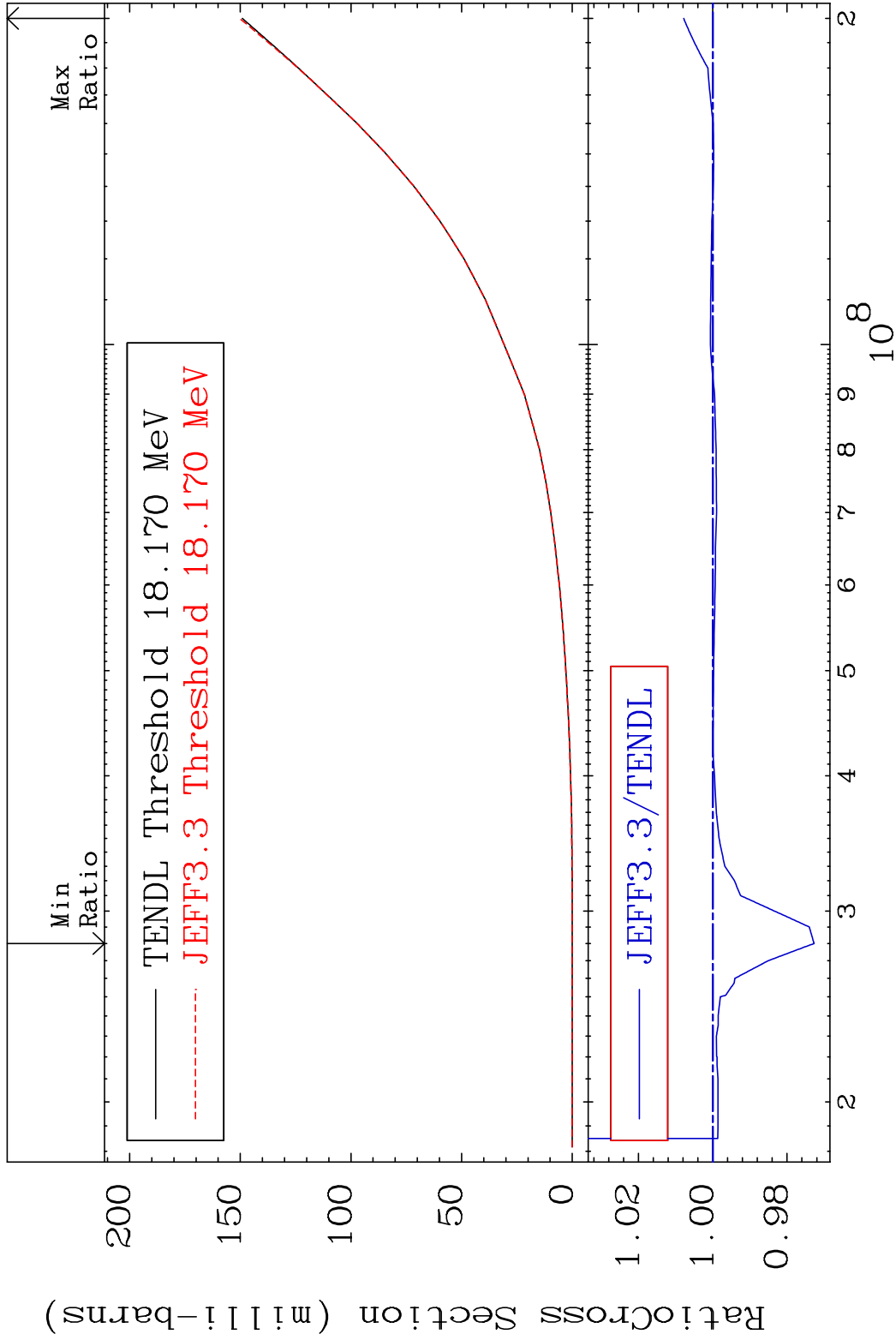
Cross Section -31.71 To 56.48 %



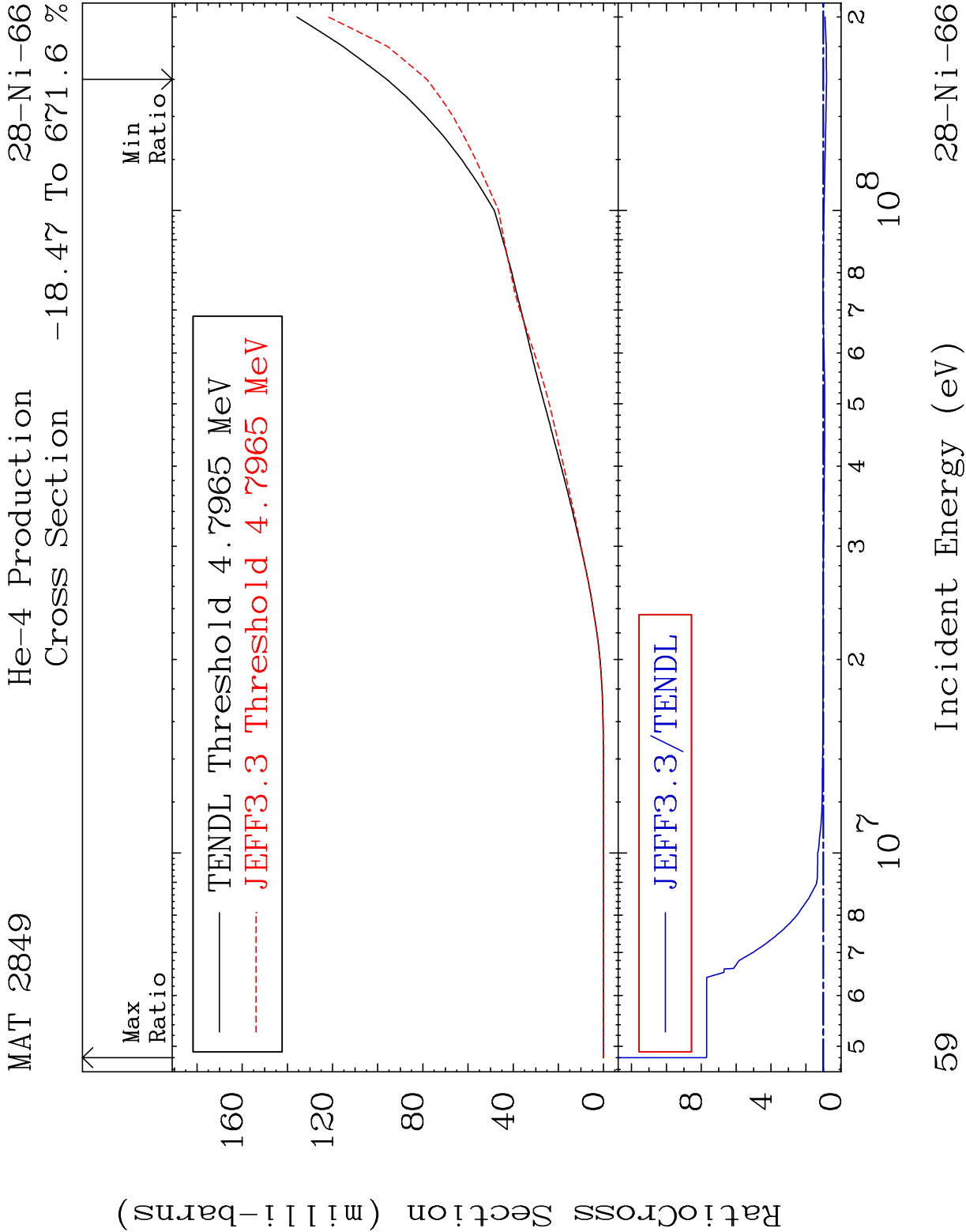


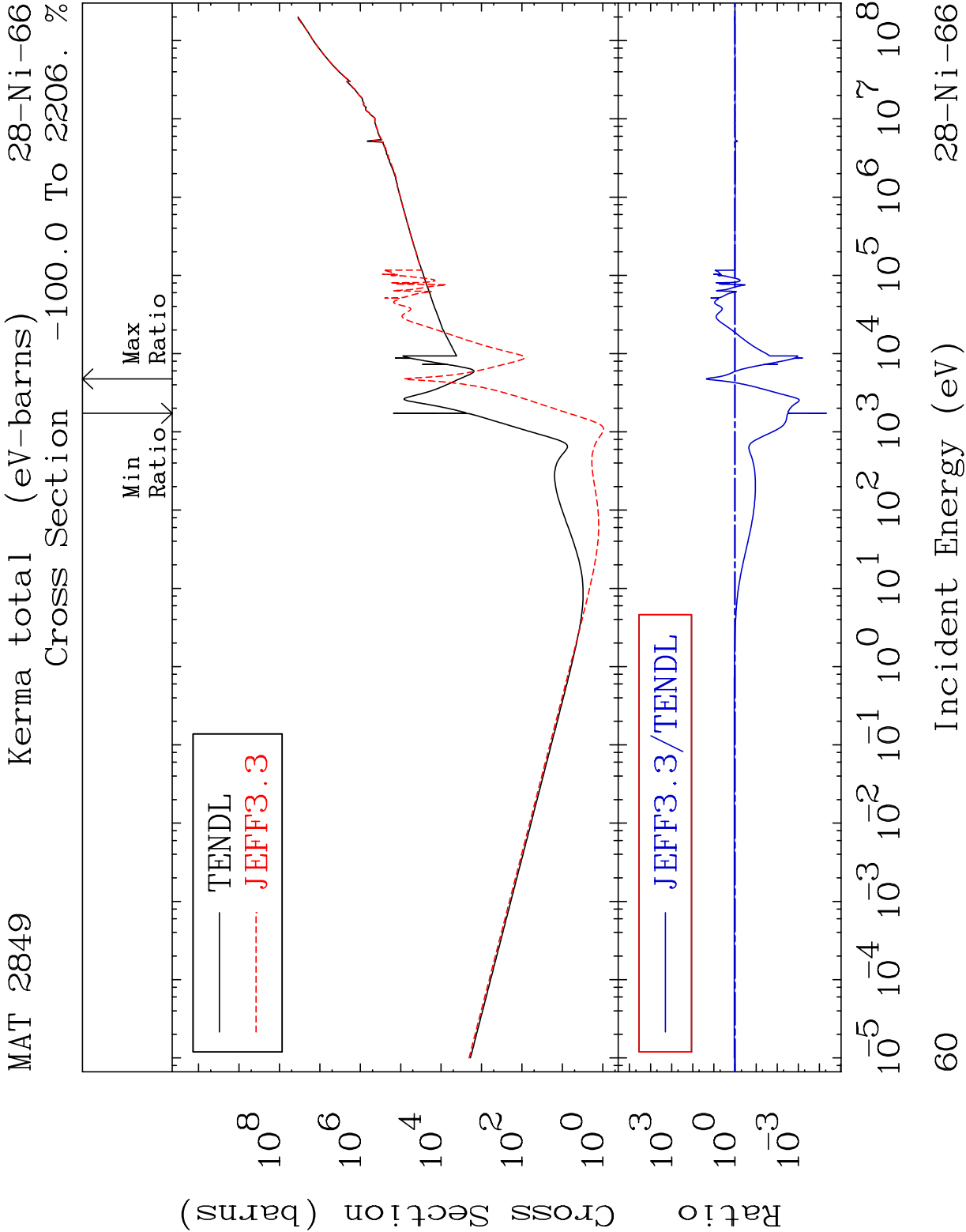


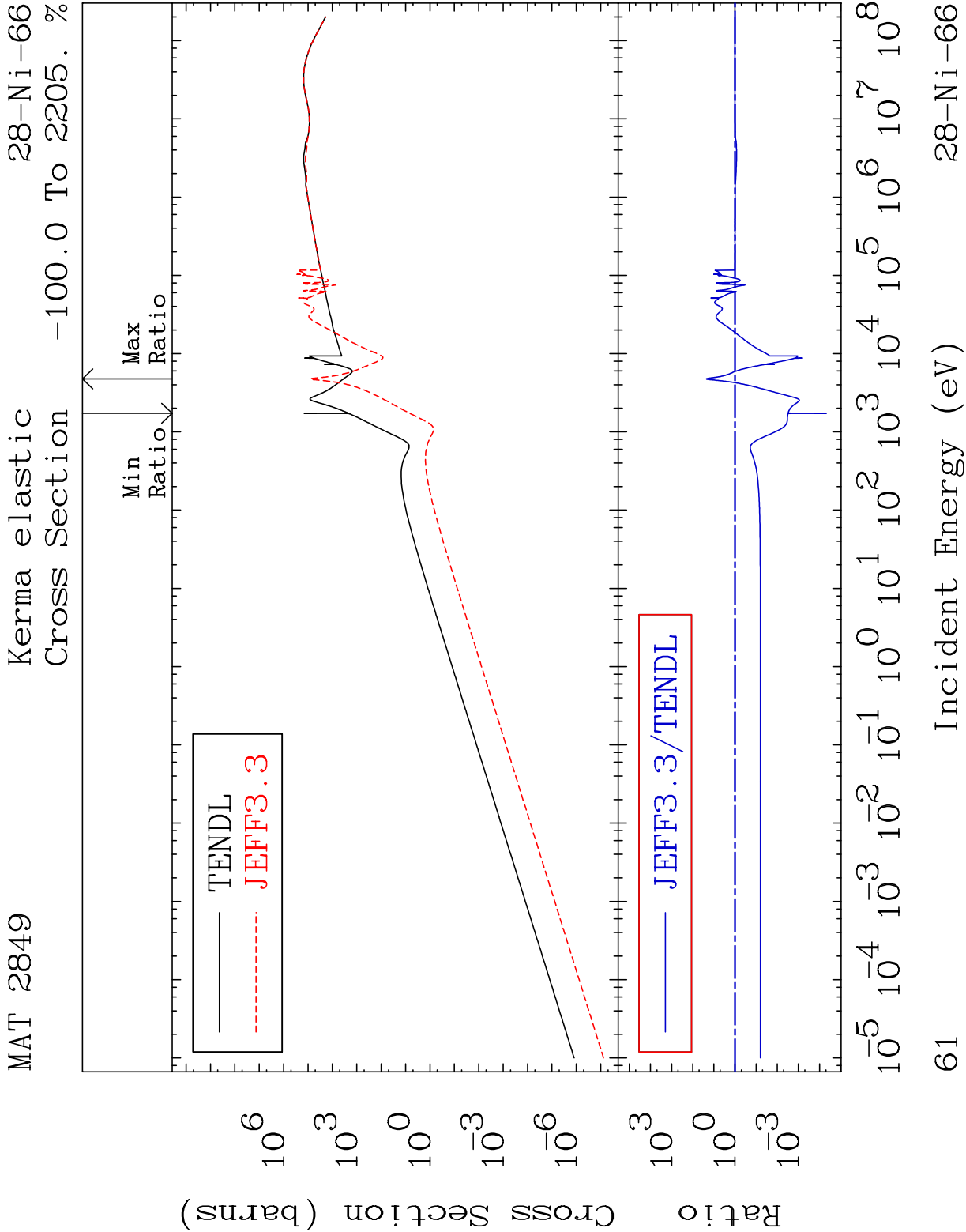
MAT 2849 He-3 Production 28-Ni-66
Cross Section -2.728 To 0.783 %



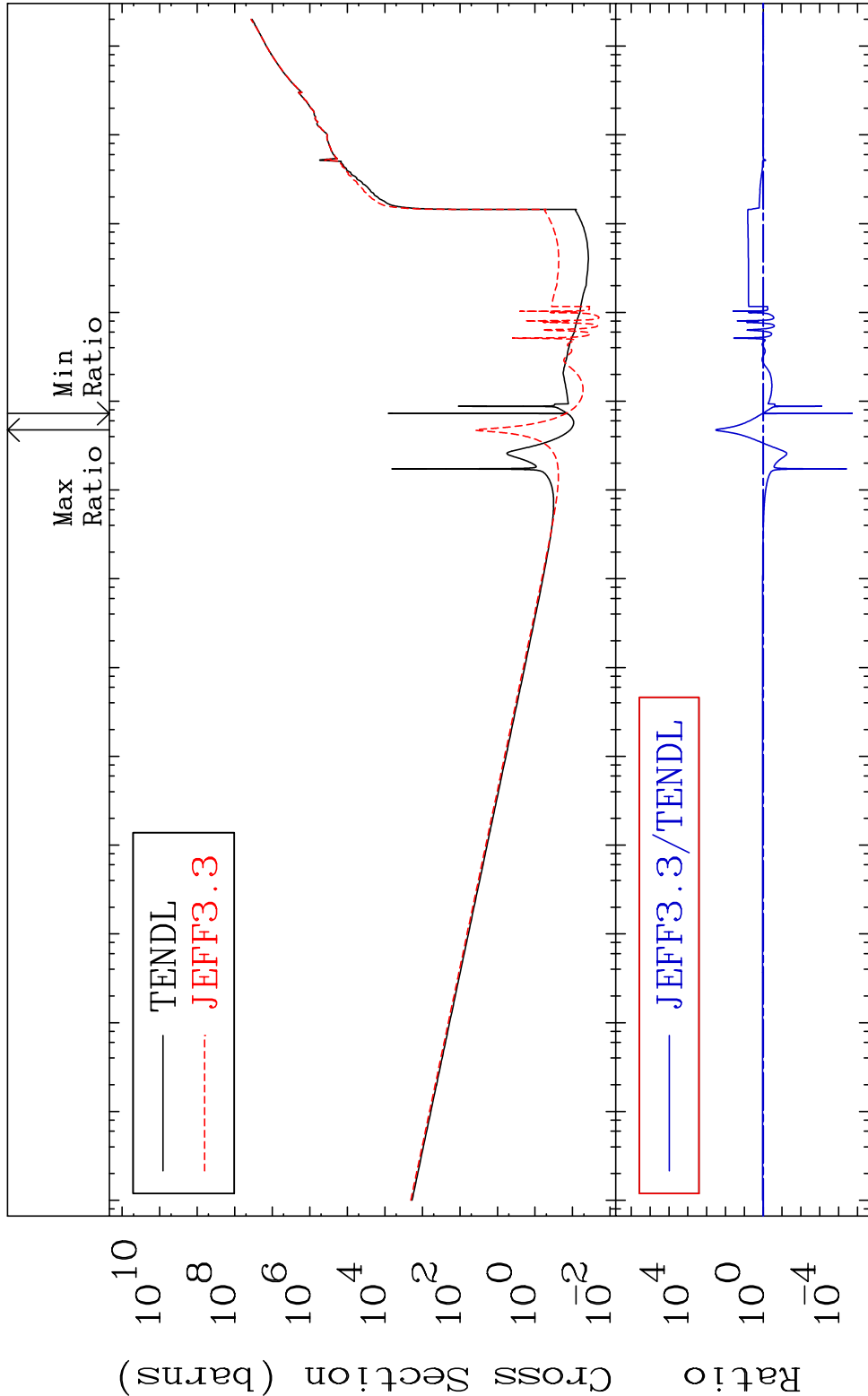
58 Incident Energy (eV) 28-Ni-66



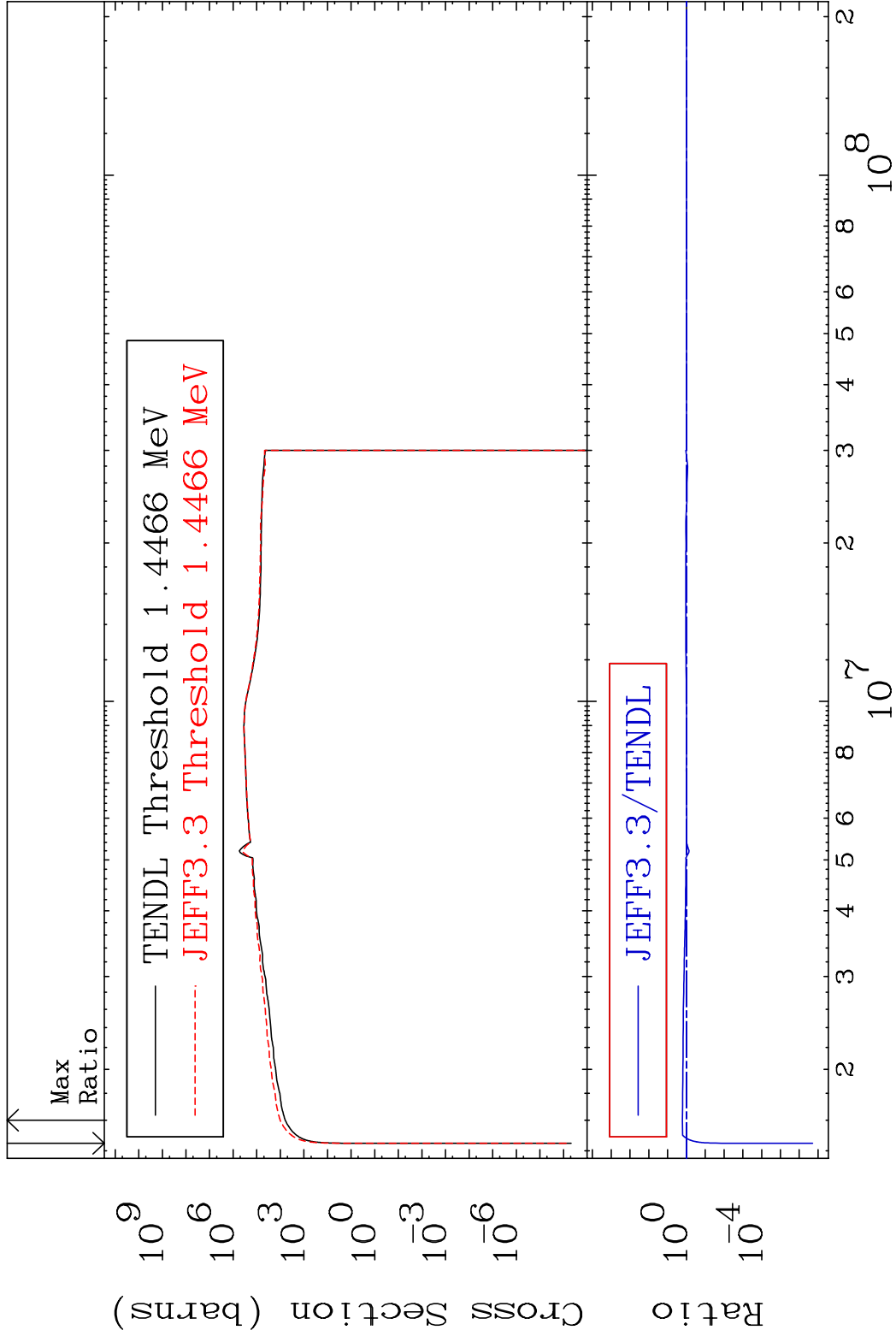




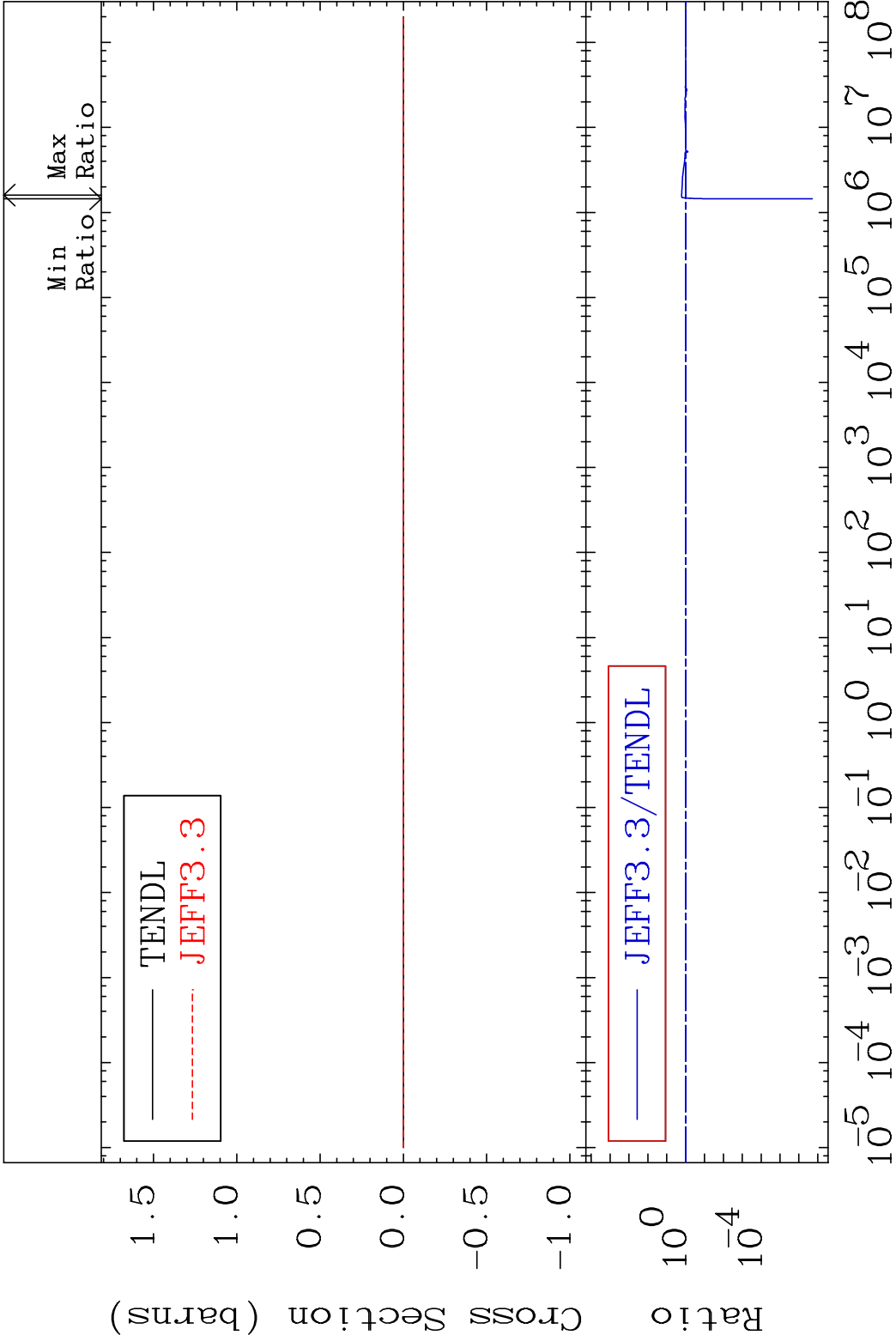
Cross Section -100.0 To 9999. %



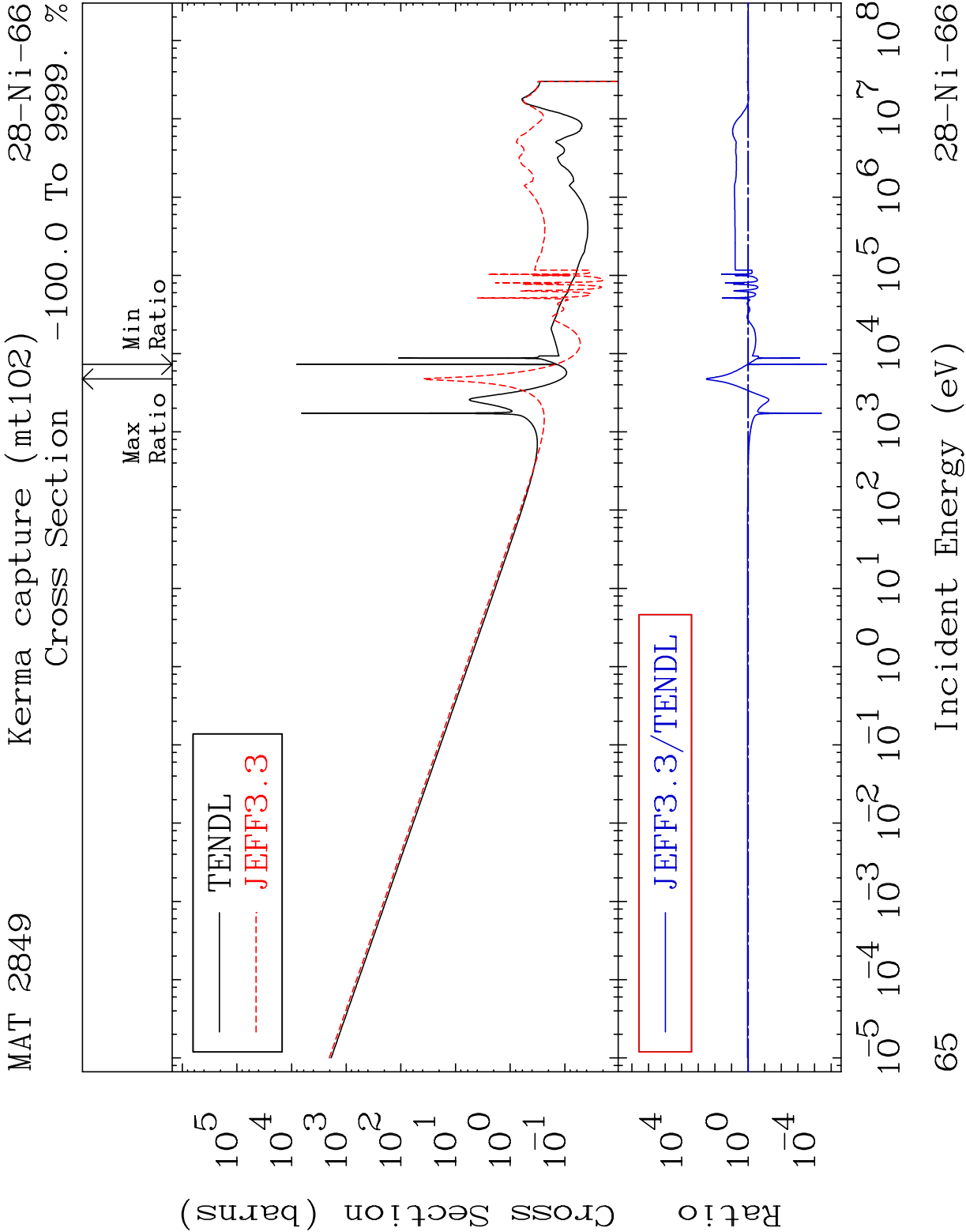
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

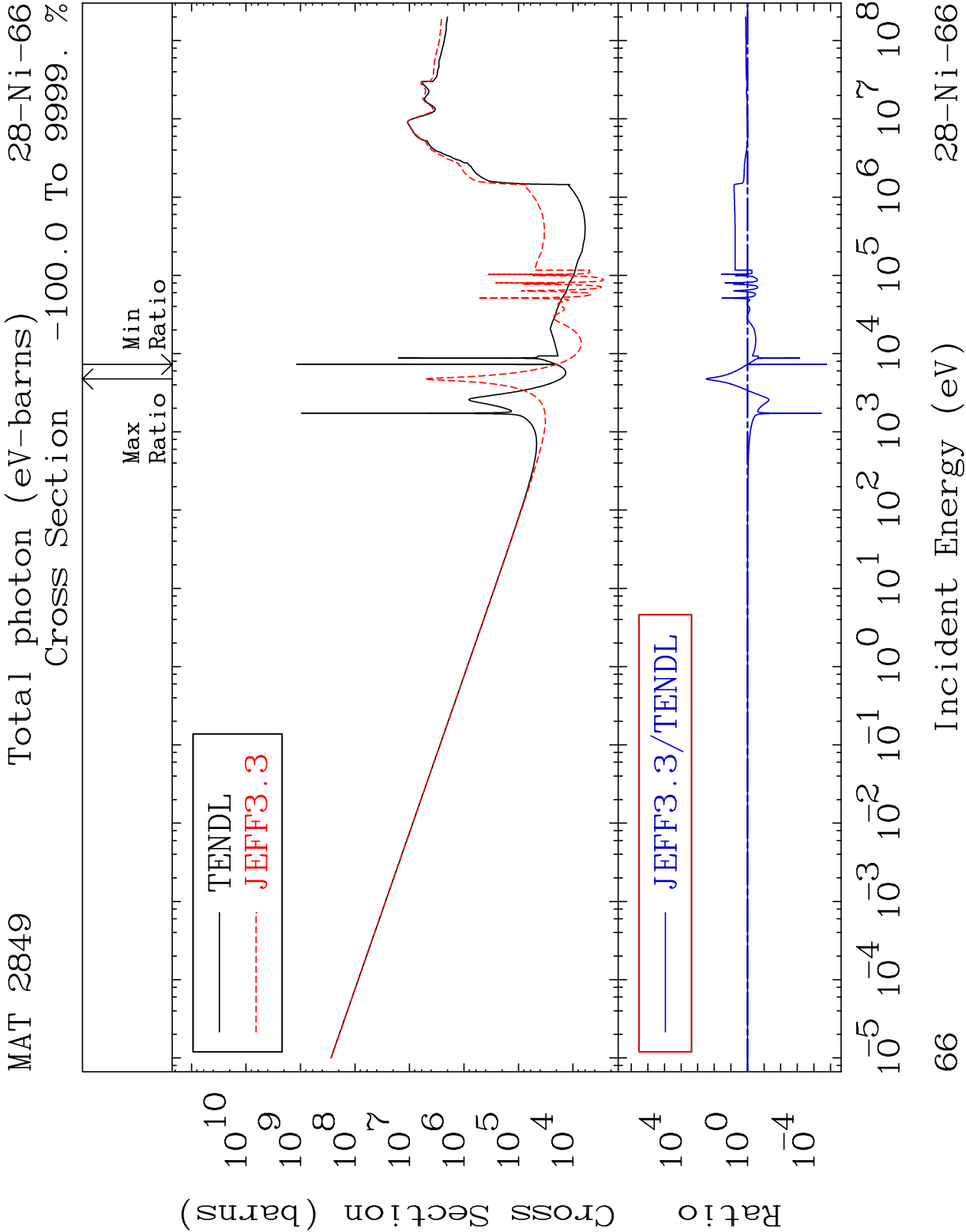


MAT 2849Kerma fission (mt18 or mt19-20-21-38) 28-Ni-66
Cross Section -100.0 To 64.60 %

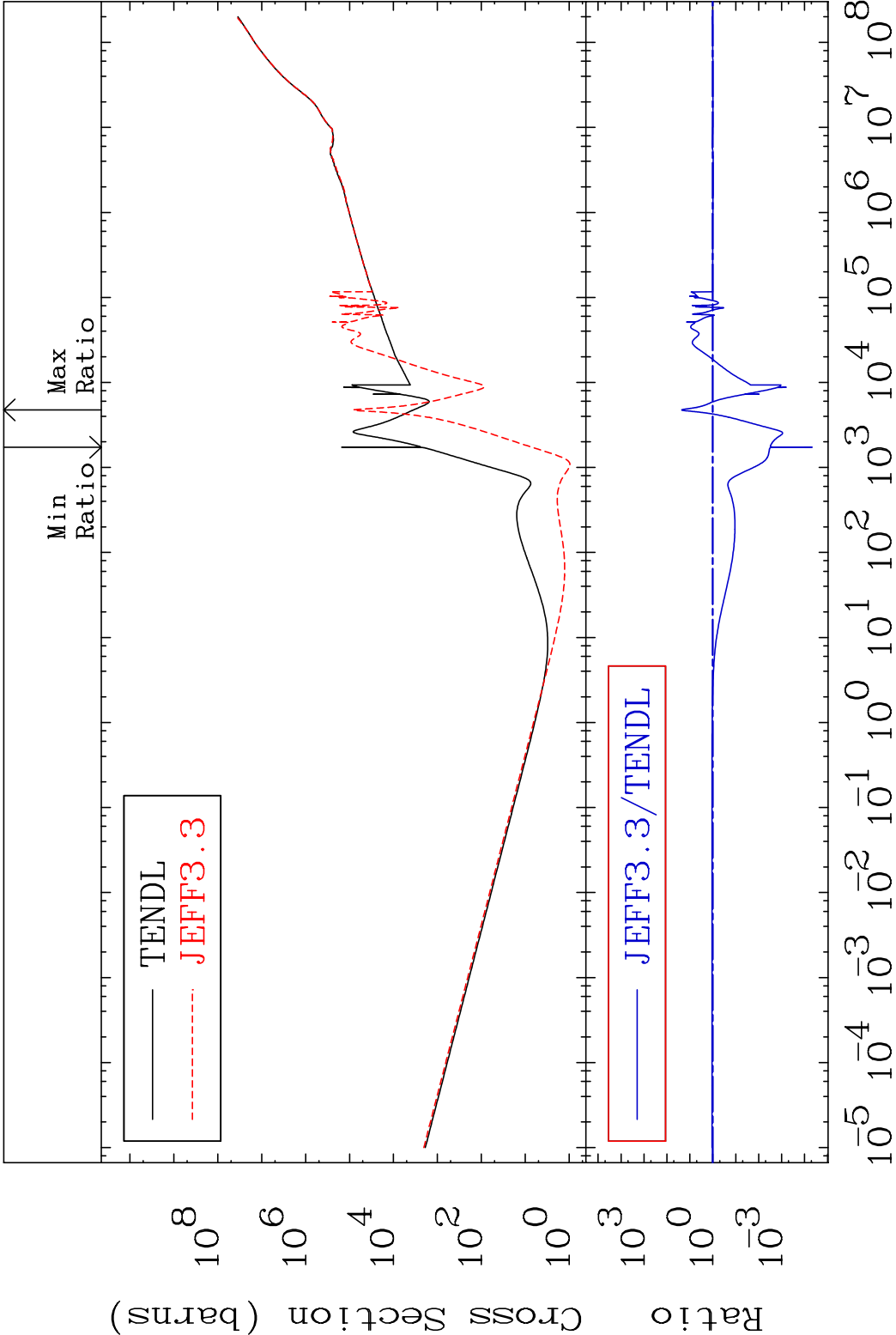


64 Incident Energy (eV) 28-Ni-66

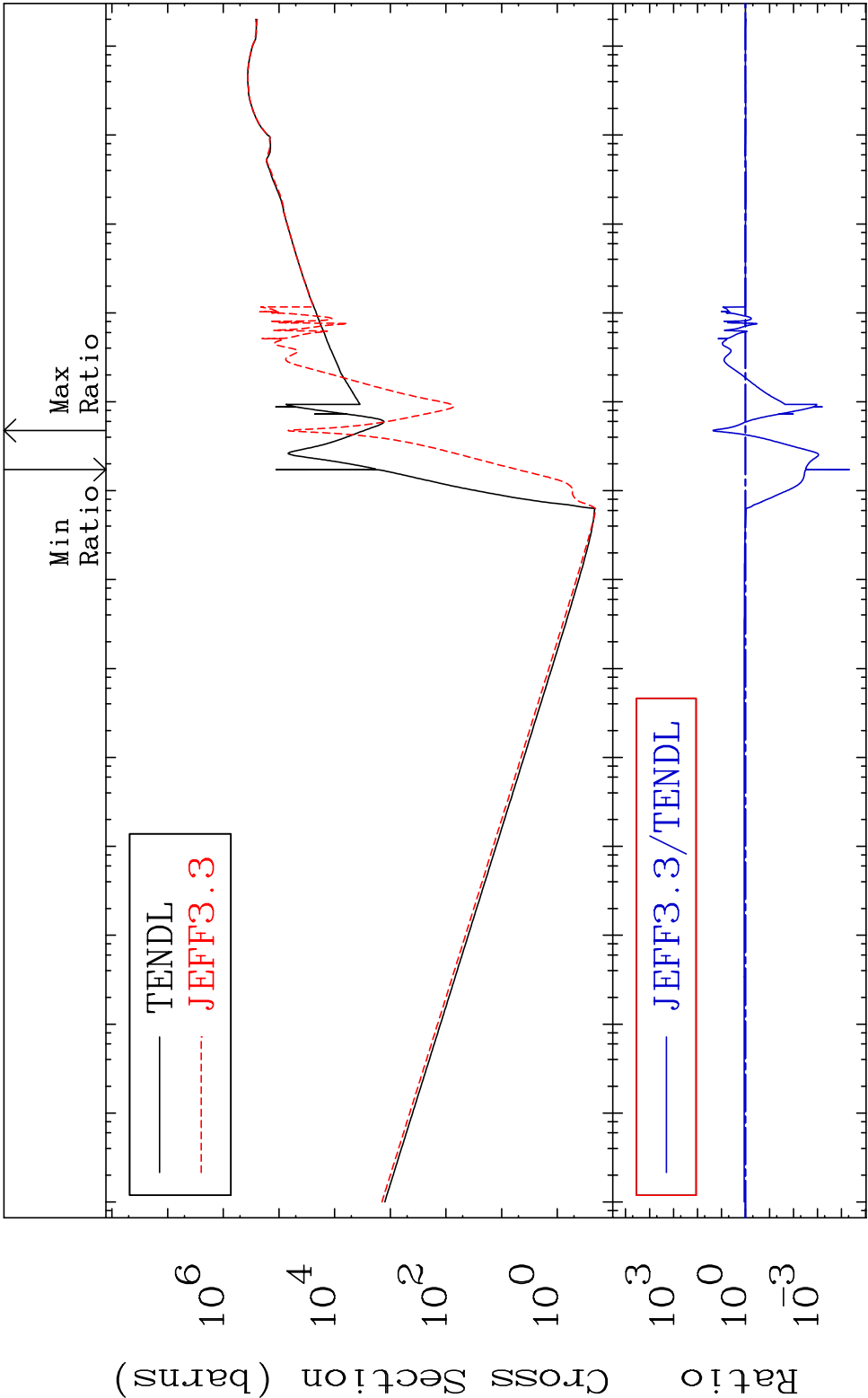




MAT 2849 Total kinematic kerma (high limit) 28-Ni-66
Cross Section -100.0 To 2206. %

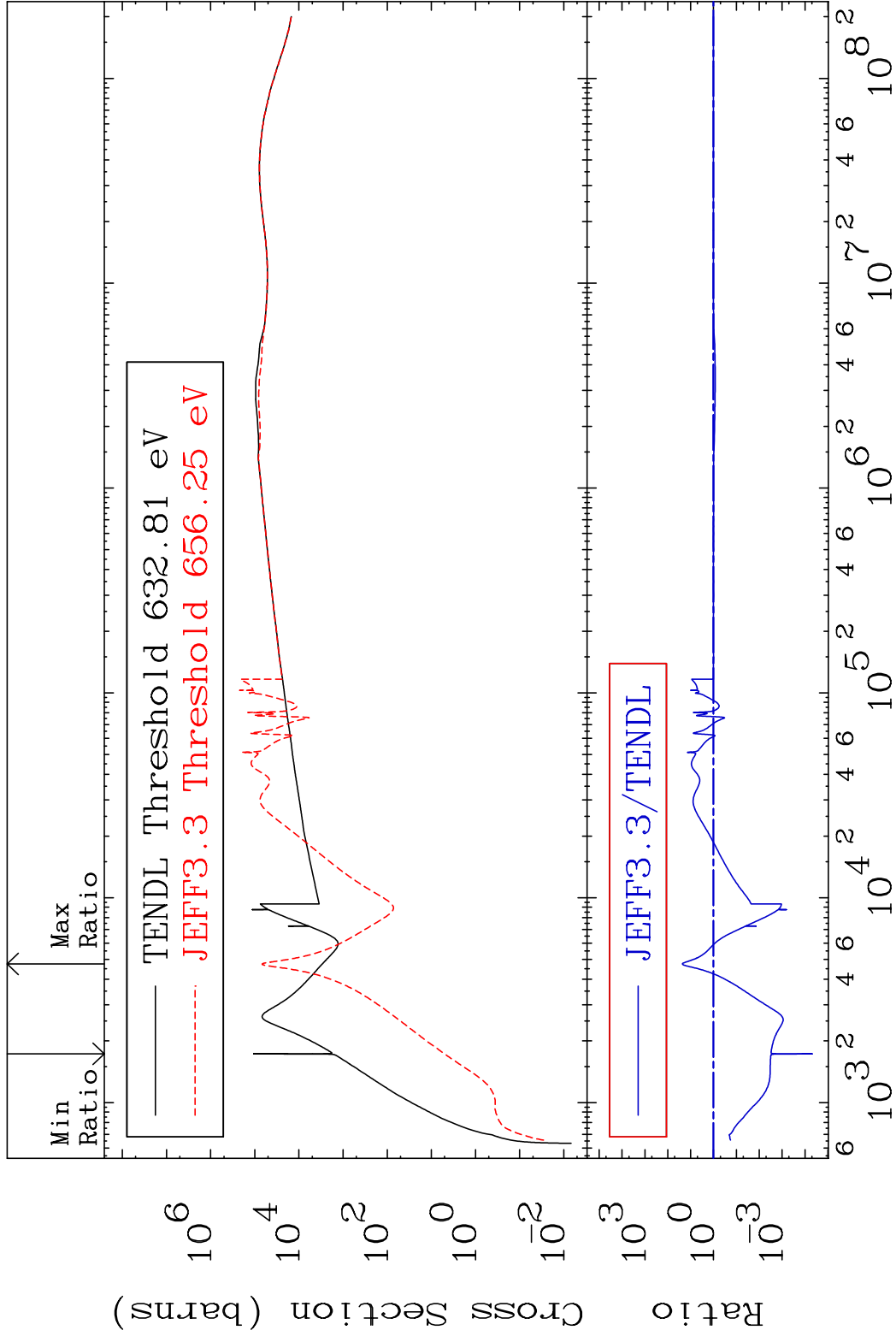


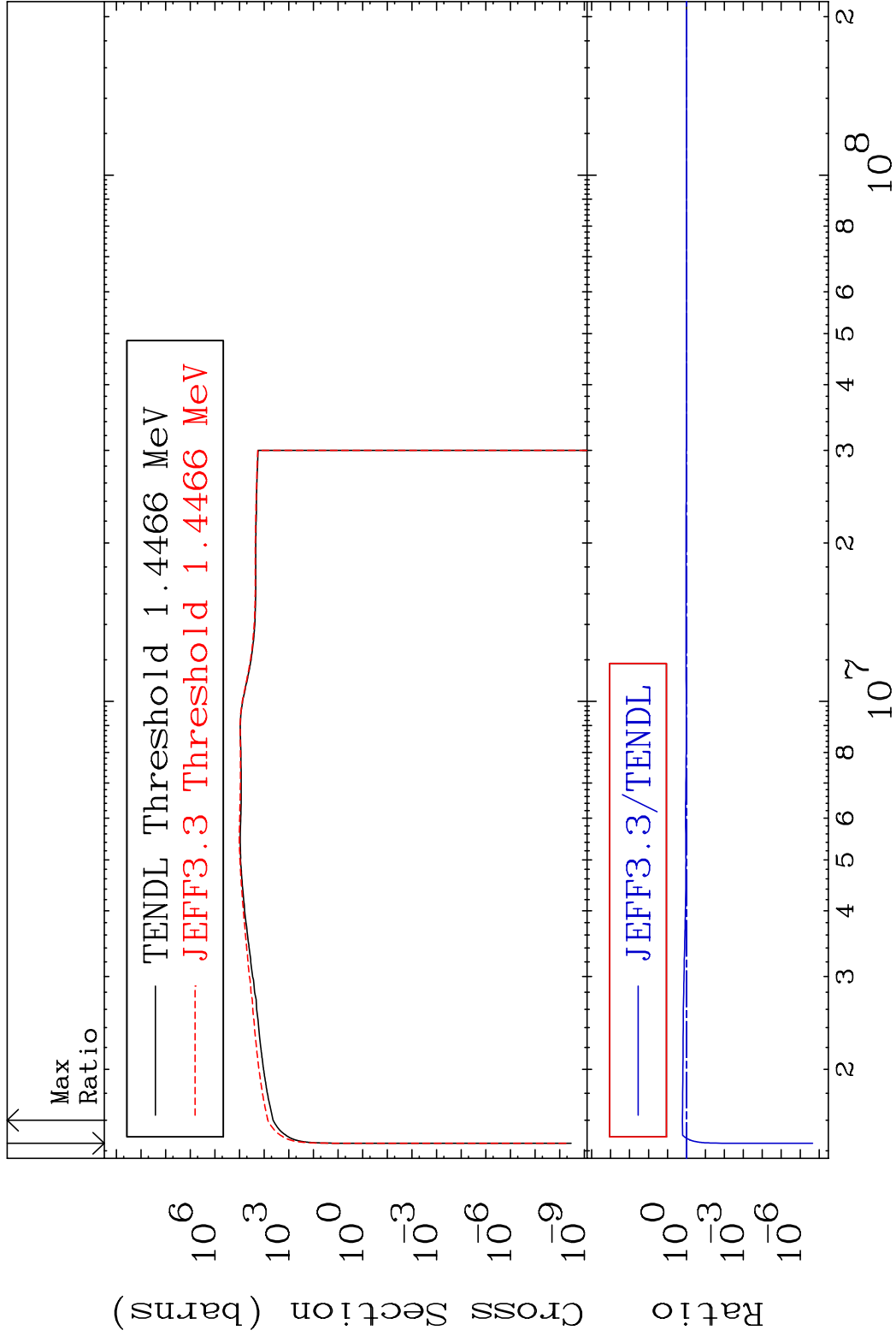
MAT 2849 Dpa total (eV-barns) 28-Ni-66
 Cross Section -100.0 To 2204. %



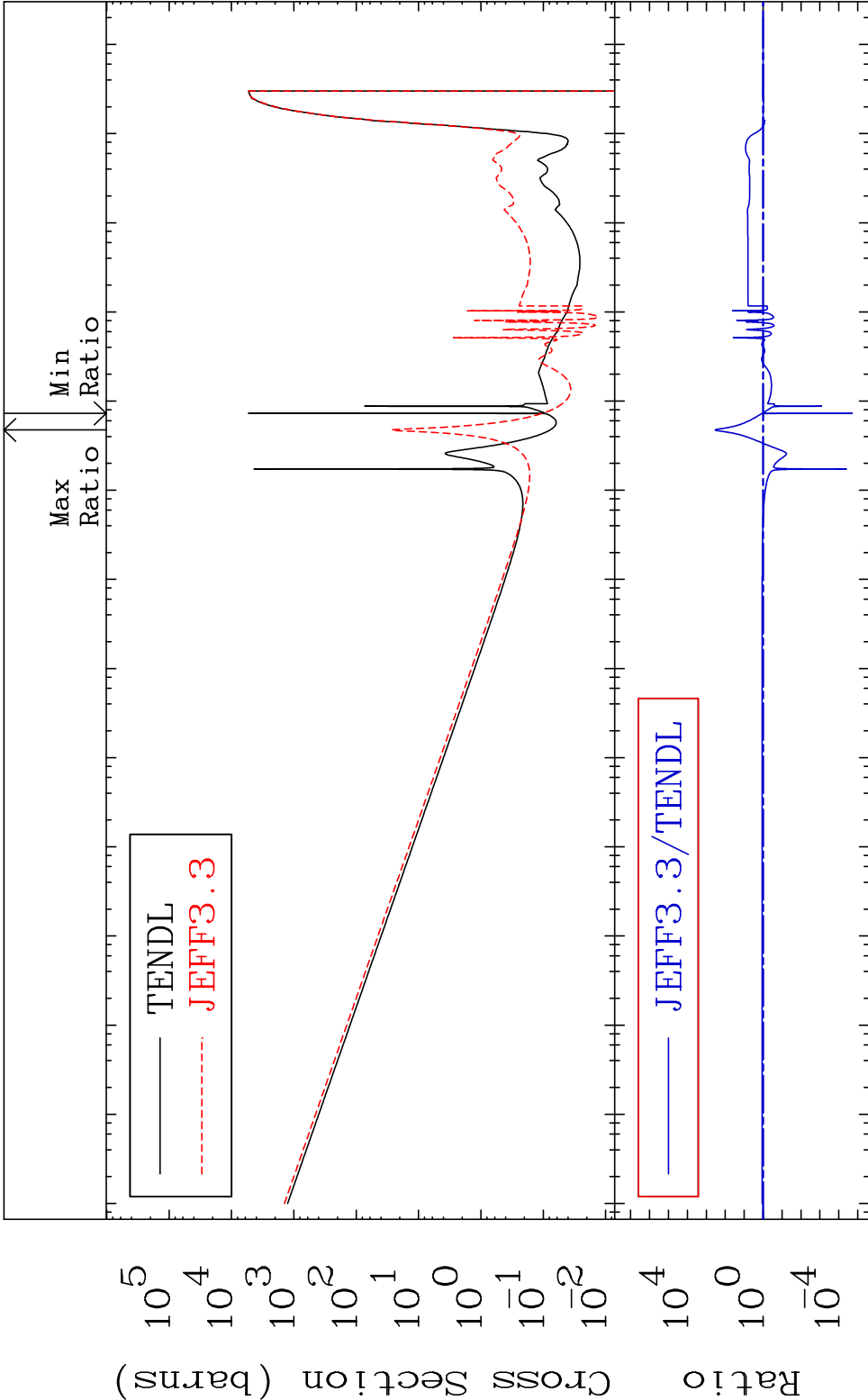
68 Incident Energy (eV) 28-Ni-66

MAT 2849 Dpa elastic (mt2) 28-Ni-66
Cross Section -100.0 To 2204. %





MAT 2849 Dpa disappearance (mt102 -120) 28-Ni-66
Cross Section -100.0 To 9999. %



71 Incident Energy (eV) 28-Ni-66

