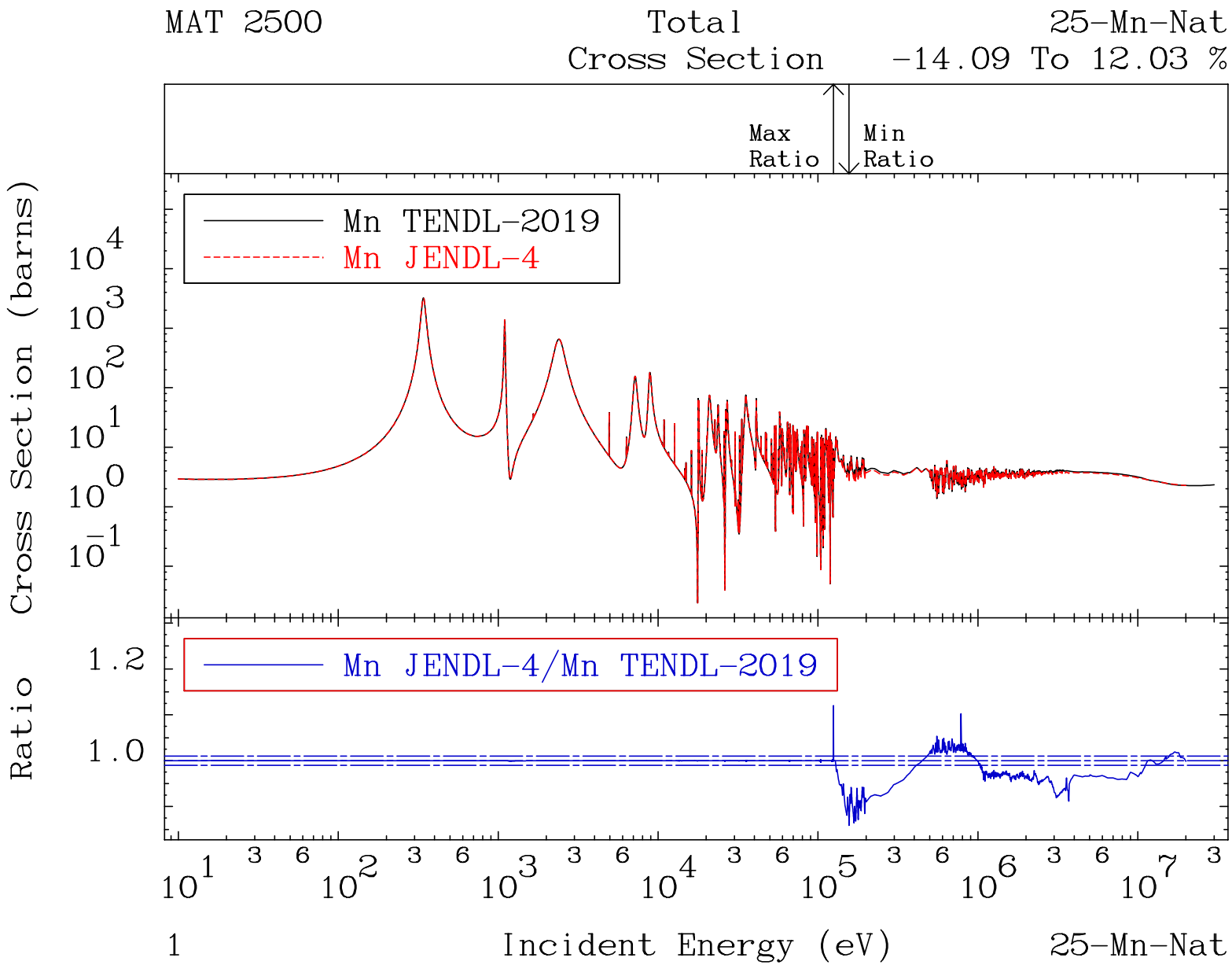
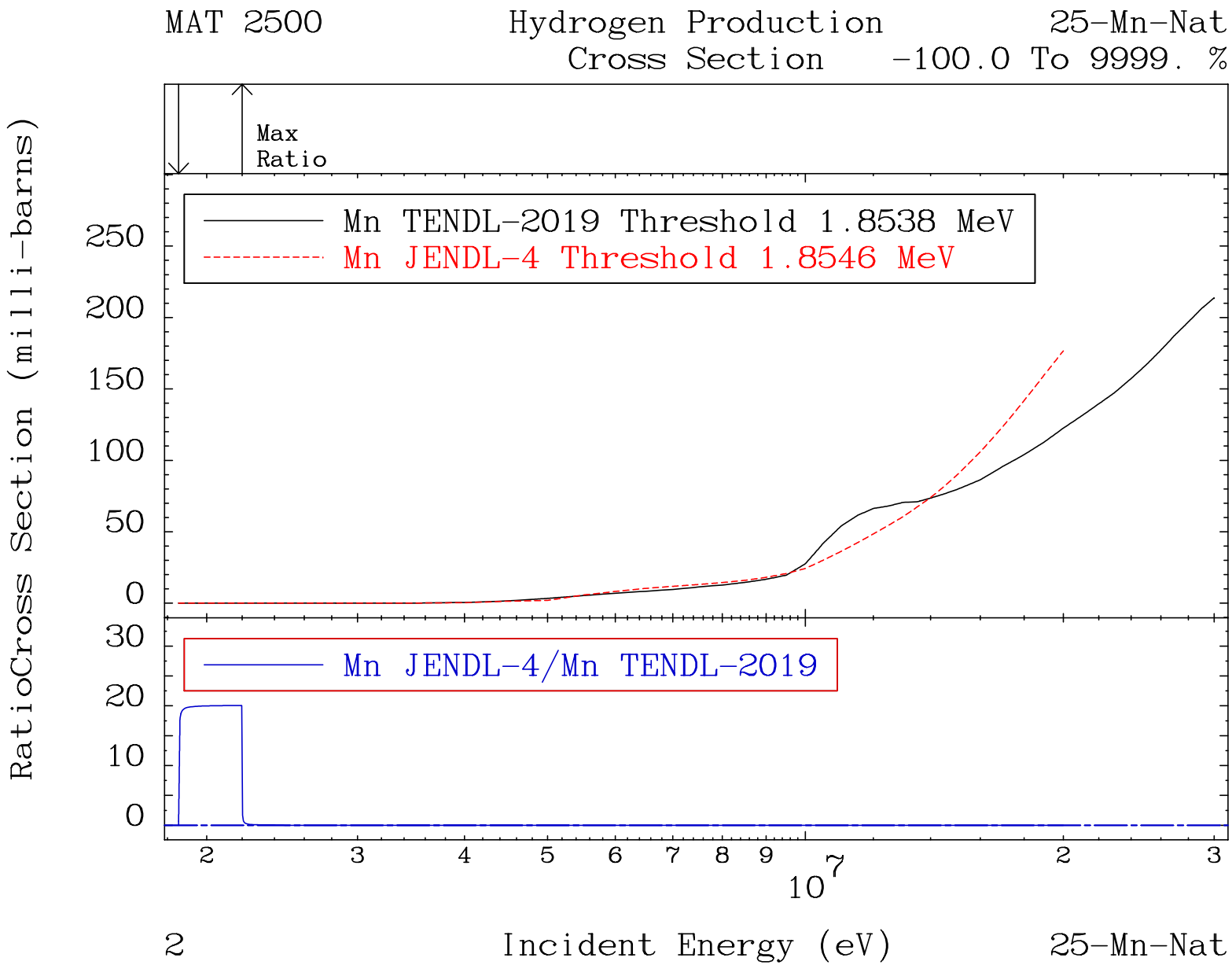
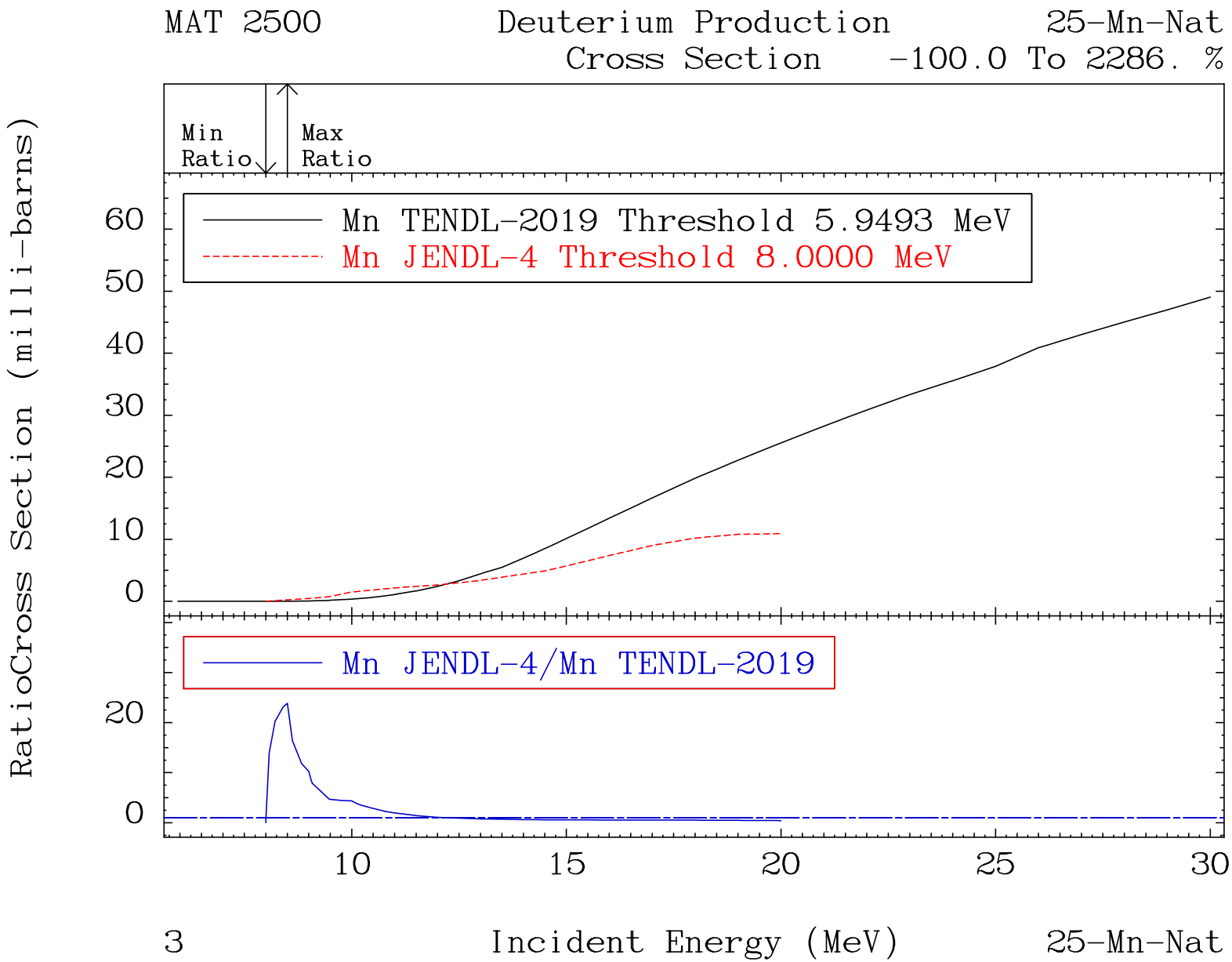
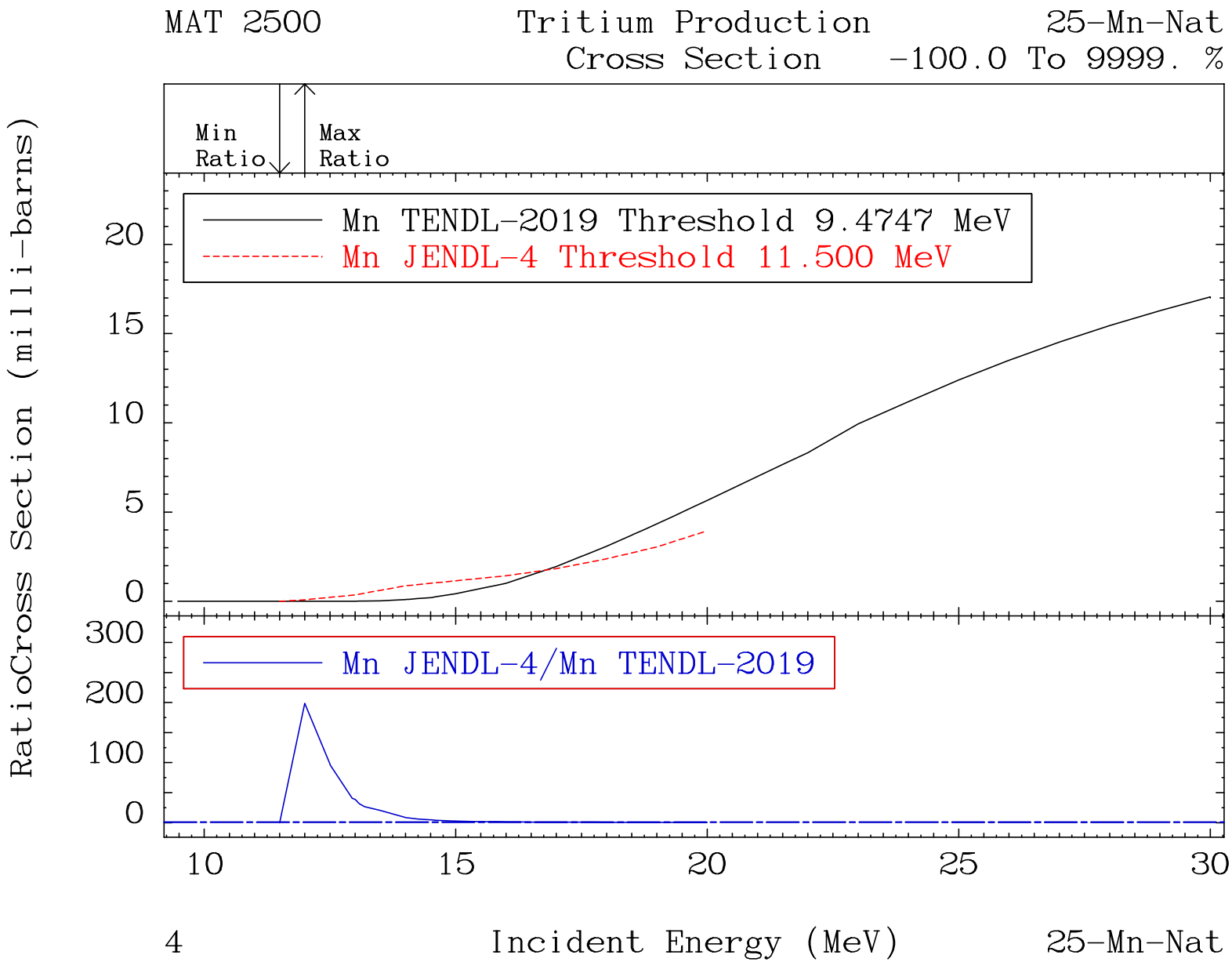
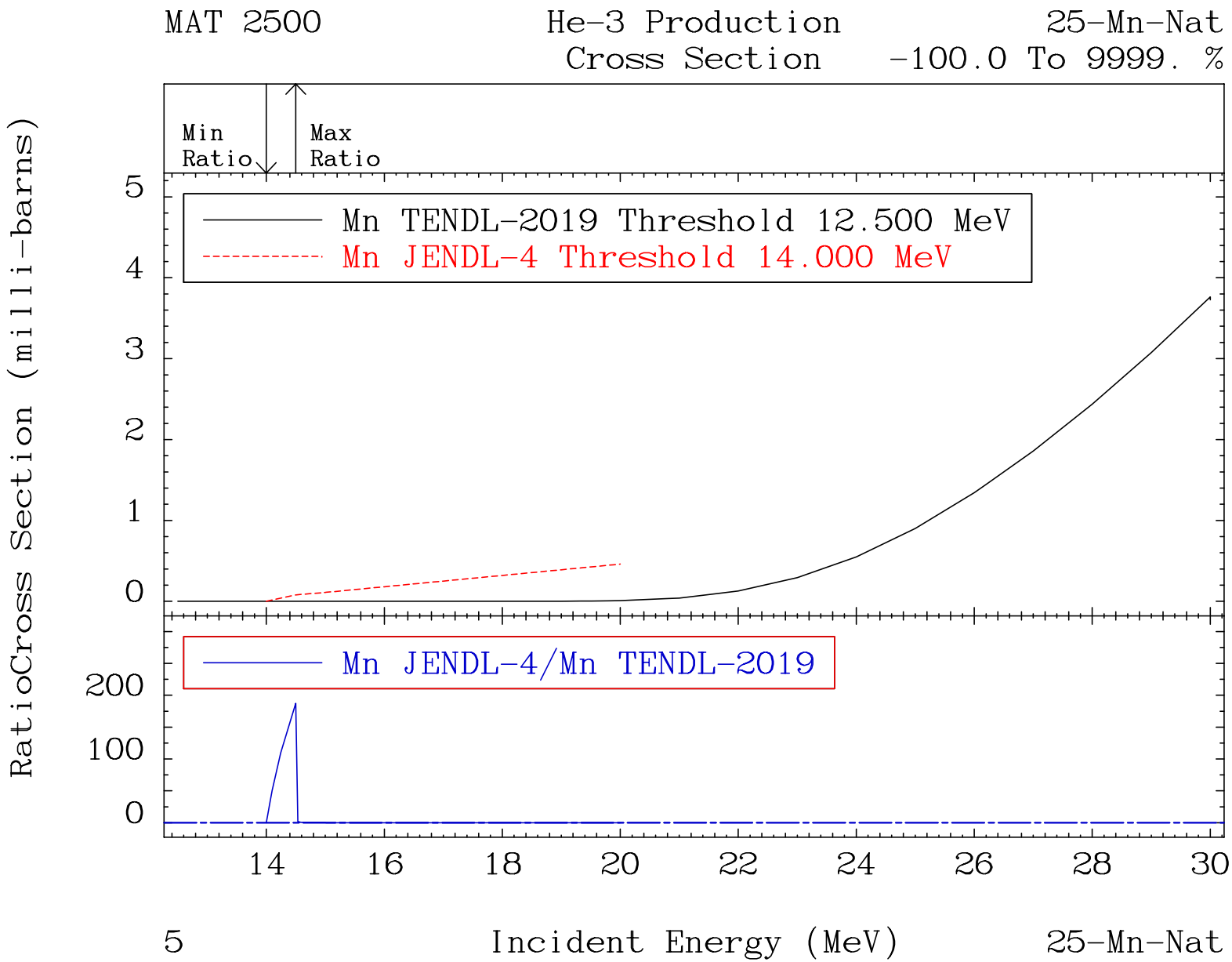
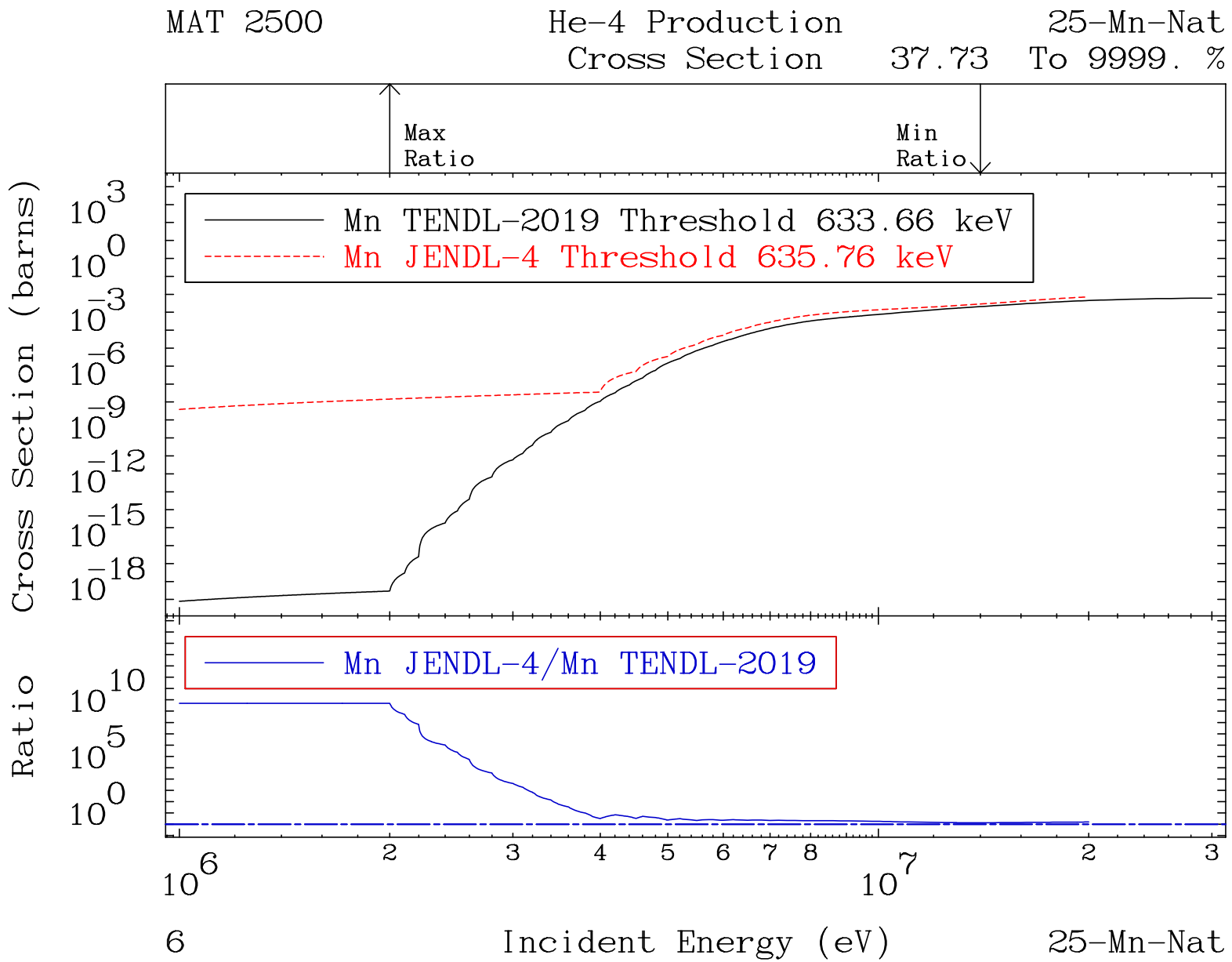

MAT 2500
Total
Cross Section
25-Mn-Nat
-14.09 To 12.03 %
Max
Ratio
Min
Ratio
Mn TENDL-2019
Mn JENDL-4
Cross Section (barns)
Mn JENDL-4/Mn TENDL-2019
Ratio
Incident Energy (eV)
25-Mn-Nat

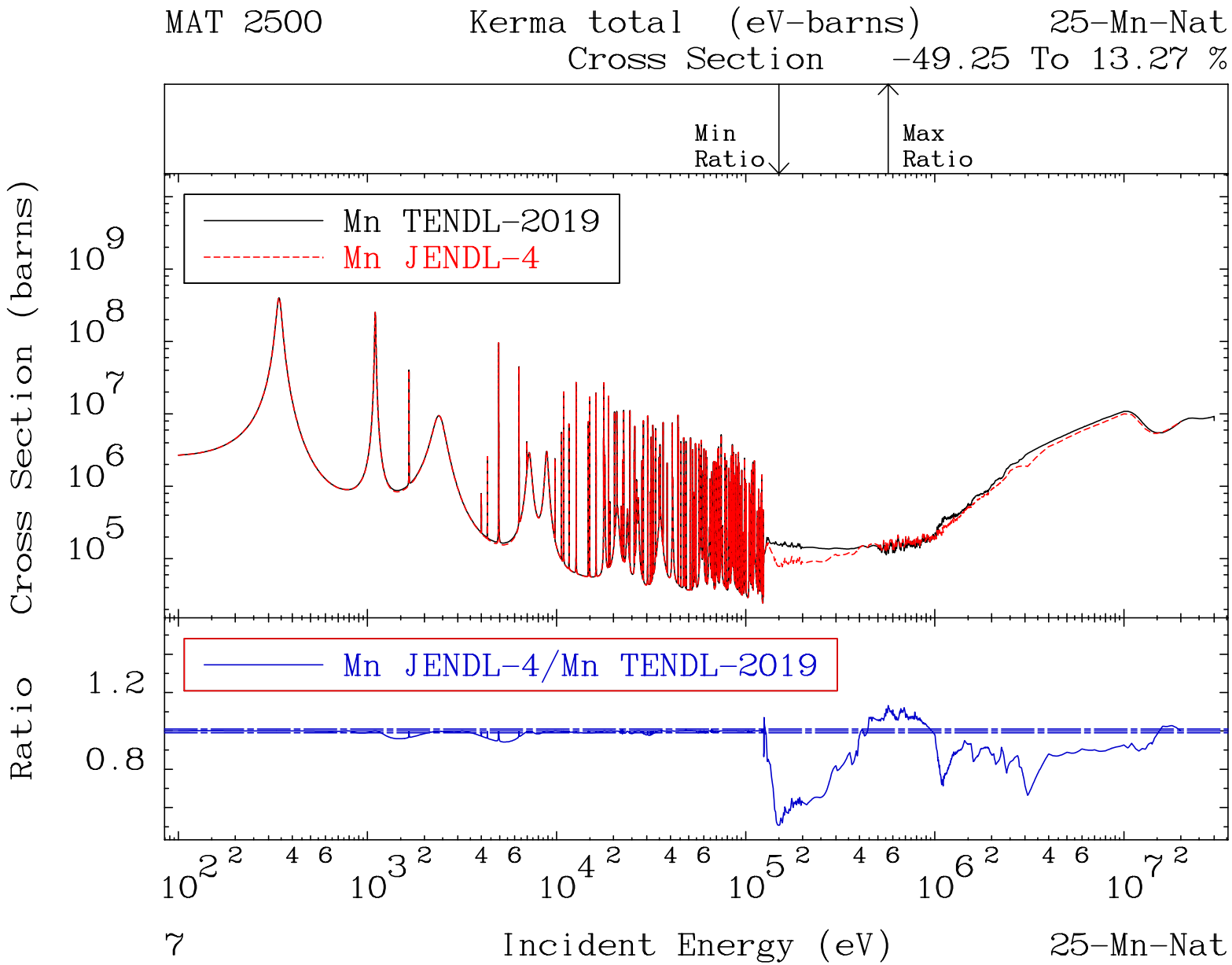

MAT 2500
Hydrogen Production
25-Mn-Nat
Cross Section -100.0 To 9999. %
Max
Ratio
Mn TENDL-2019 Threshold 1.8538 MeV
Mn JENDL-4 Threshold 1.8546 MeV
Mn JENDL-4/Mn TENDL-2019
RatioCross Section (milli-barns)
250
200
150
100
50
0
30
20
10
0
2
3
4
5
6
7
8
9
10^7
2
3
2
Incident Energy (eV)
25-Mn-Nat

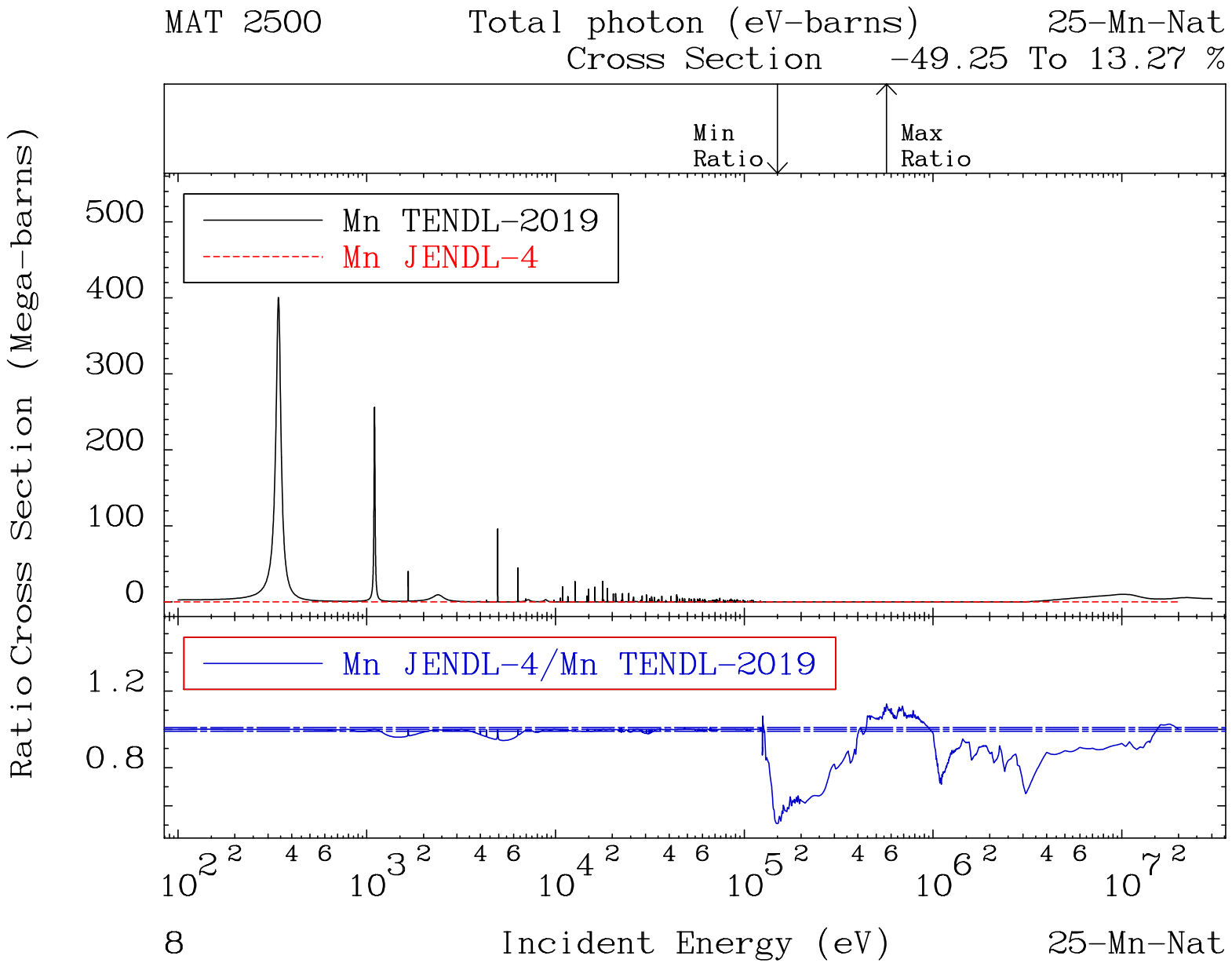

MAT 2500
Deuterium Production
25-Mn-Nat
Cross Section
-100.0 To 2286. %
Min Ratio
Max Ratio
Mn TENDL-2019 Threshold 5.9493 MeV
Mn JENDL-4 Threshold 8.0000 MeV
Mn JENDL-4/Mn TENDL-2019
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
20
0
10
15
20
25
30
3
Incident Energy (MeV)
25-Mn-Nat

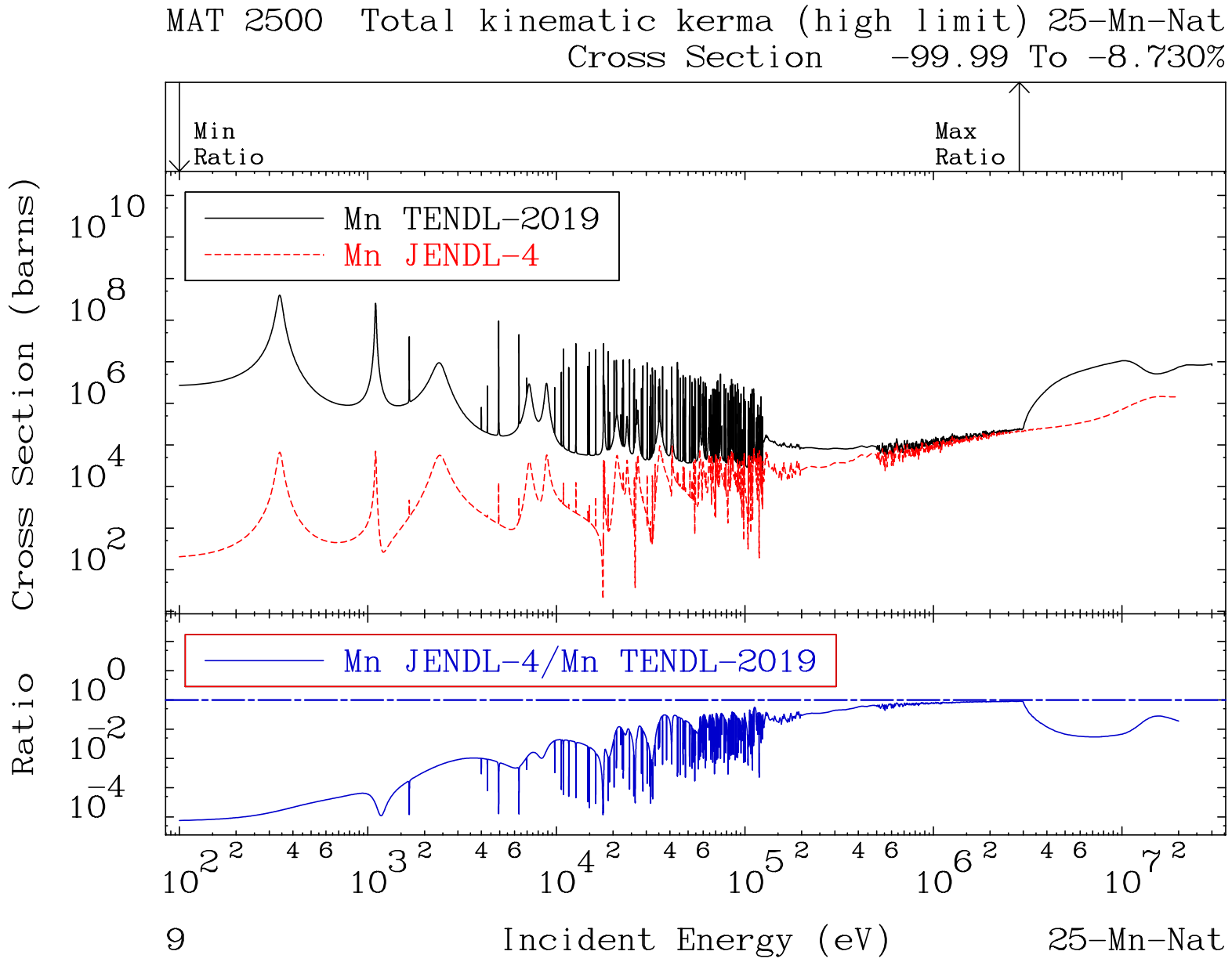

MAT 2500
Tritium Production
25-Mn-Nat
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
Mn TENDL-2019 Threshold 9.4747 MeV
Mn JENDL-4 Threshold 11.500 MeV
Mn JENDL-4/Mn TENDL-2019
RatioCross Section (milli-barns)
20
15
10
5
0
300
200
100
0
10
15
20
25
30
4
Incident Energy (MeV)
25-Mn-Nat

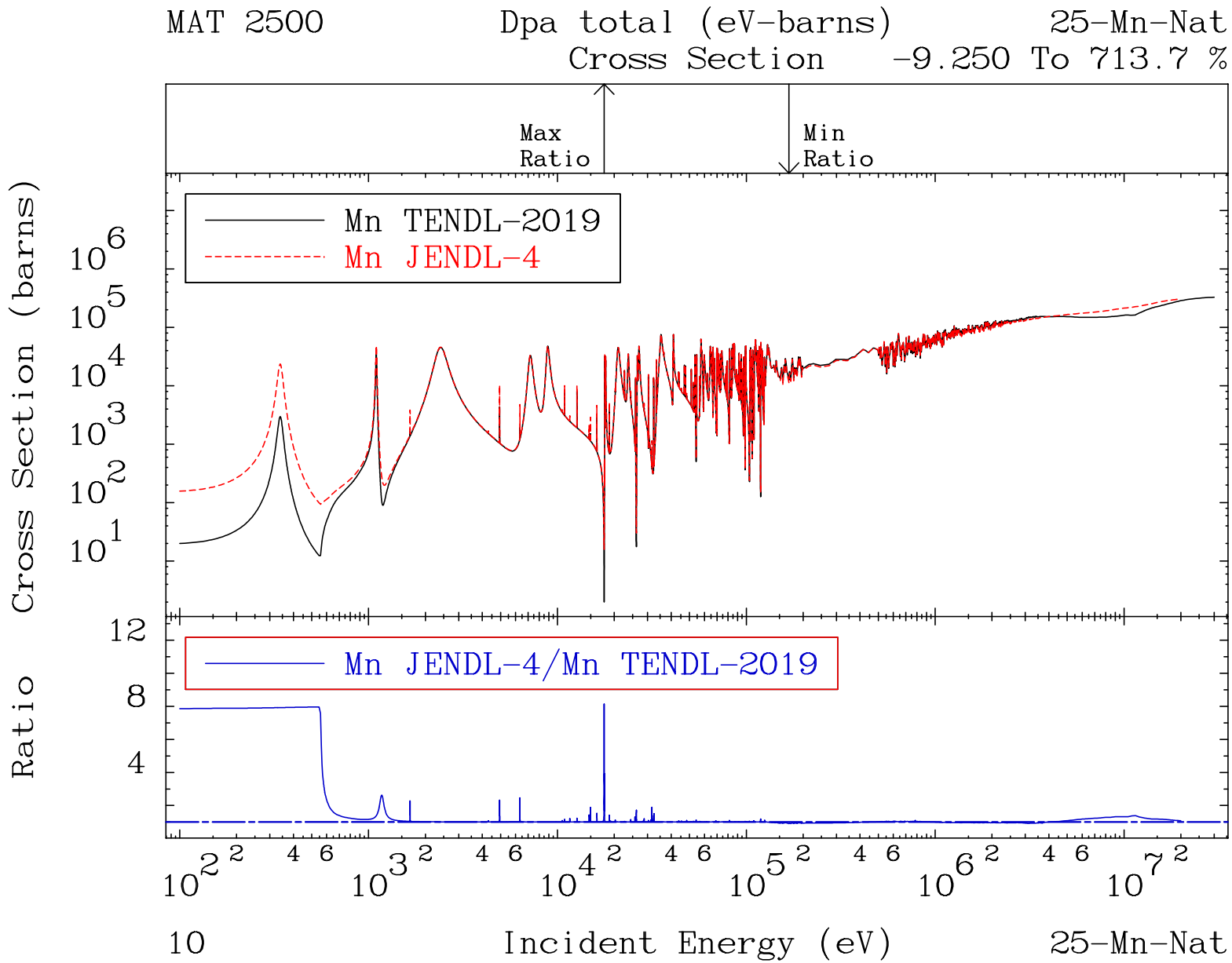

MAT 2500
He-3 Production
Cross Section
25-Mn-Nat
-100.0 To 9999. %
Min Ratio
Max Ratio
Mn TENDL-2019 Threshold 12.500 MeV
Mn JENDL-4 Threshold 14.000 MeV
Mn JENDL-4/Mn TENDL-2019
RatioCross Section (milli-barns)
0
1
2
3
4
5
100
200
14
16
18
20
22
24
26
28
30
Incident Energy (MeV)
5
25-Mn-Nat

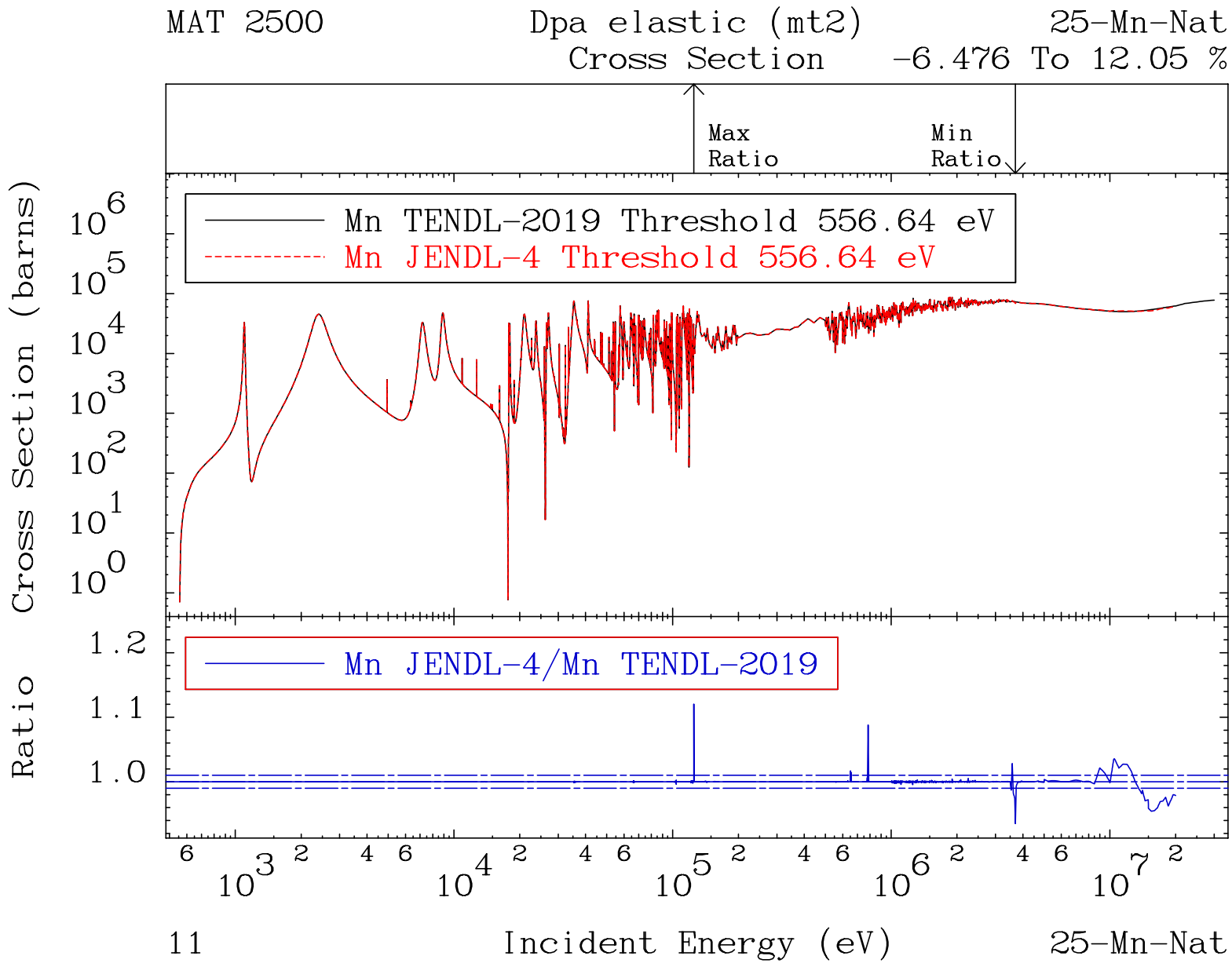

MAT 2500
He-4 Production
Cross Section
25-Mn-Nat
37.73 To 9999. %
Max Ratio
Min Ratio
Mn TENDL-2019 Threshold 633.66 keV
Mn JENDL-4 Threshold 635.76 keV
Cross Section (barns)
Mn JENDL-4/Mn TENDL-2019
Ratio
Incident Energy (eV)
6
25-Mn-Nat

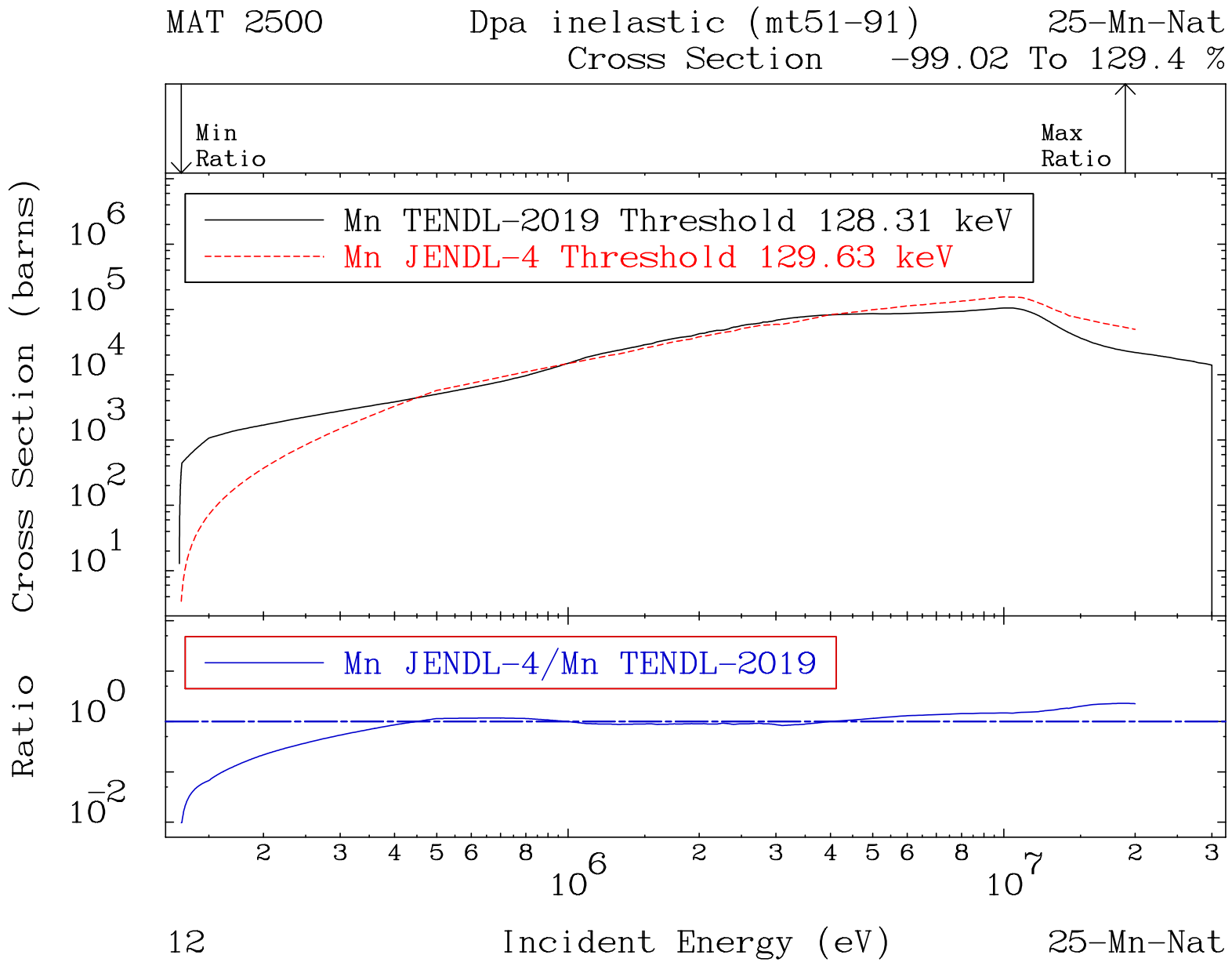

MAT 2500
Kerma total (eV-barns)
25-Mn-Nat
Cross Section -49.25 To 13.27 %
Min Ratio
Max Ratio
Mn TENDL-2019
Mn JENDL-4
Cross Section (barns)
Mn JENDL-4/Mn TENDL-2019
Ratio
Incident Energy (eV)
25-Mn-Nat

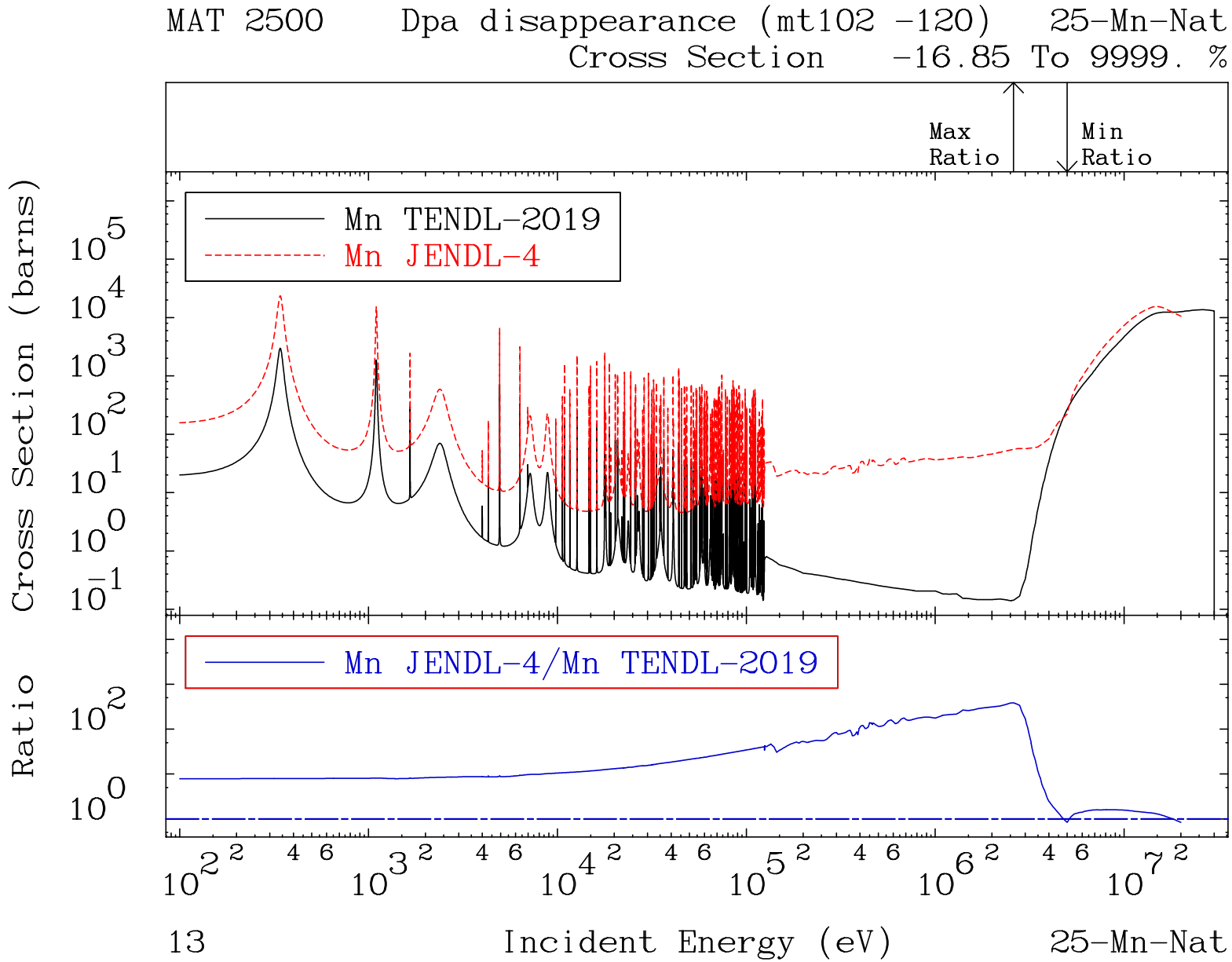

MAT 2500
Total photon (eV-barns)
25-Mn-Nat
Cross Section -49.25 To 13.27 %
Min Ratio
Max Ratio
Mn TENDL-2019
Mn JENDL-4
Mn JENDL-4/Mn TENDL-2019
Ratio Cross Section (Mega-barns)
500
400
300
200
100
0
1.2
0.8
10^2 2 4 6 10^3 2 4 6 10^4 2 4 6 10^5 2 4 6 10^6 2 4 6 10^7 2
8
Incident Energy (eV)
25-Mn-Nat


MAT 2500 Total kinematic kerma (high limit) 25-Mn-Nat
Cross Section -99.99 To -8.730%
Min Ratio
Max Ratio
Mn TENDL-2019
Mn JENDL-4
Mn JENDL-4/Mn TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
9
25-Mn-Nat


MAT 2500
Dpa total (eV-barns)
25-Mn-Nat
Cross Section
-9.250 To 713.7 %
Max Ratio
Min Ratio
Mn TENDL-2019
Mn JENDL-4
Cross Section (barns)
Mn JENDL-4/Mn TENDL-2019
Ratio
Incident Energy (eV)
10
25-Mn-Nat


MAT 2500
Dpa elastic (mt2)
Cross Section
25-Mn-Nat
-6.476 To 12.05 %
Max
Ratio
Min
Ratio
Mn TENDL-2019 Threshold 556.64 eV
Mn JENDL-4 Threshold 556.64 eV
Cross Section (barns)
Mn JENDL-4/Mn TENDL-2019
Ratio
Incident Energy (eV)
11
25-Mn-Nat


MAT 2500
Dpa inelastic (mt51-91)
25-Mn-Nat
Cross Section
-99.02 To 129.4 %
Min Ratio
Max Ratio
Mn TENDL-2019 Threshold 128.31 keV
Mn JENDL-4 Threshold 129.63 keV
Mn JENDL-4/Mn TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
12
25-Mn-Nat


MAT 2500 Dpa disappearance (mt102 -120) 25-Mn-Nat
Cross Section -16.85 To 9999. %
Max Ratio
Min Ratio
Mn TENDL-2019
Mn JENDL-4
Cross Section (barns)
Mn JENDL-4/Mn TENDL-2019
Ratio
Incident Energy (eV)
13
25-Mn-Nat