Program EVALPLOT
(Version 2021-1)
by
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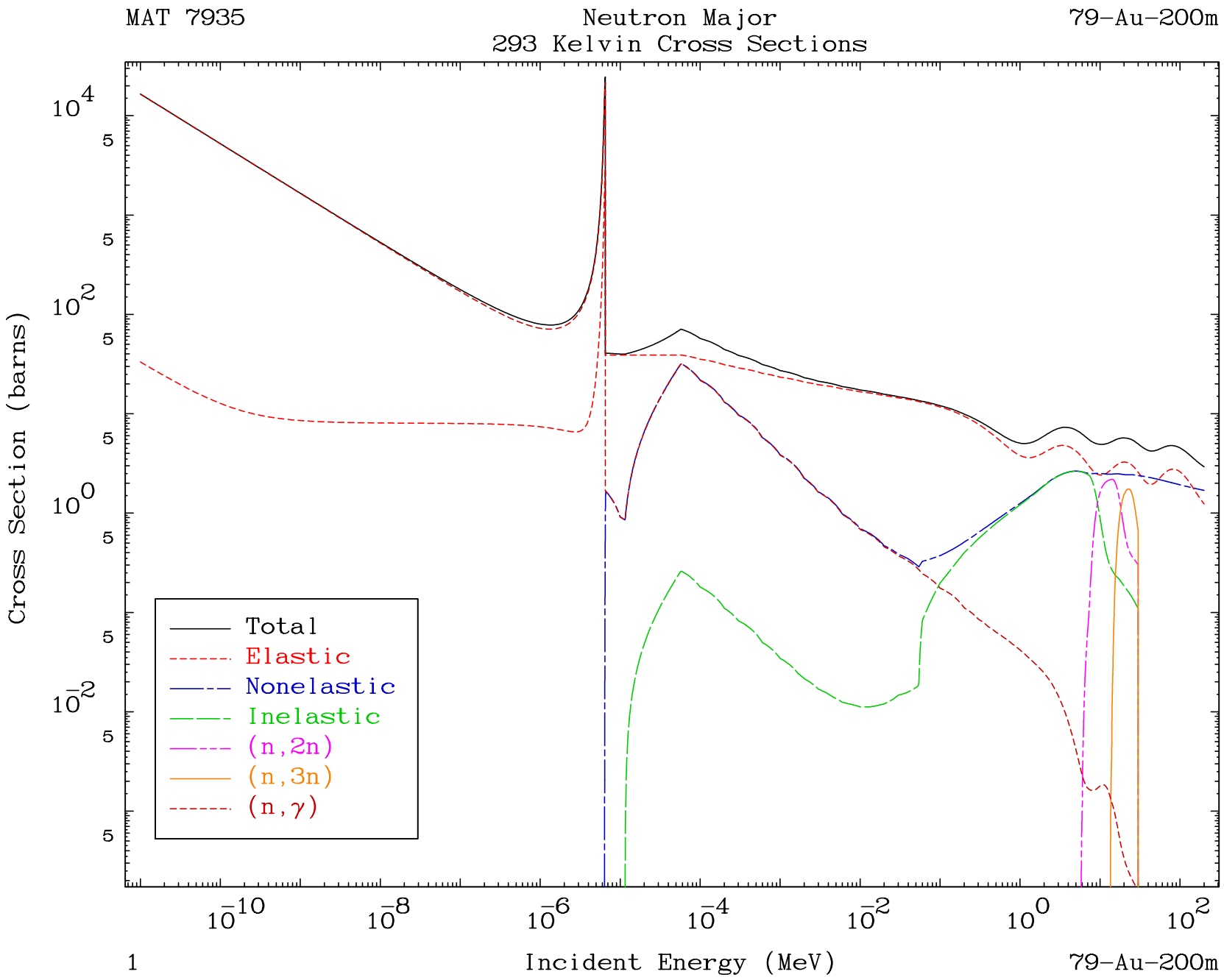
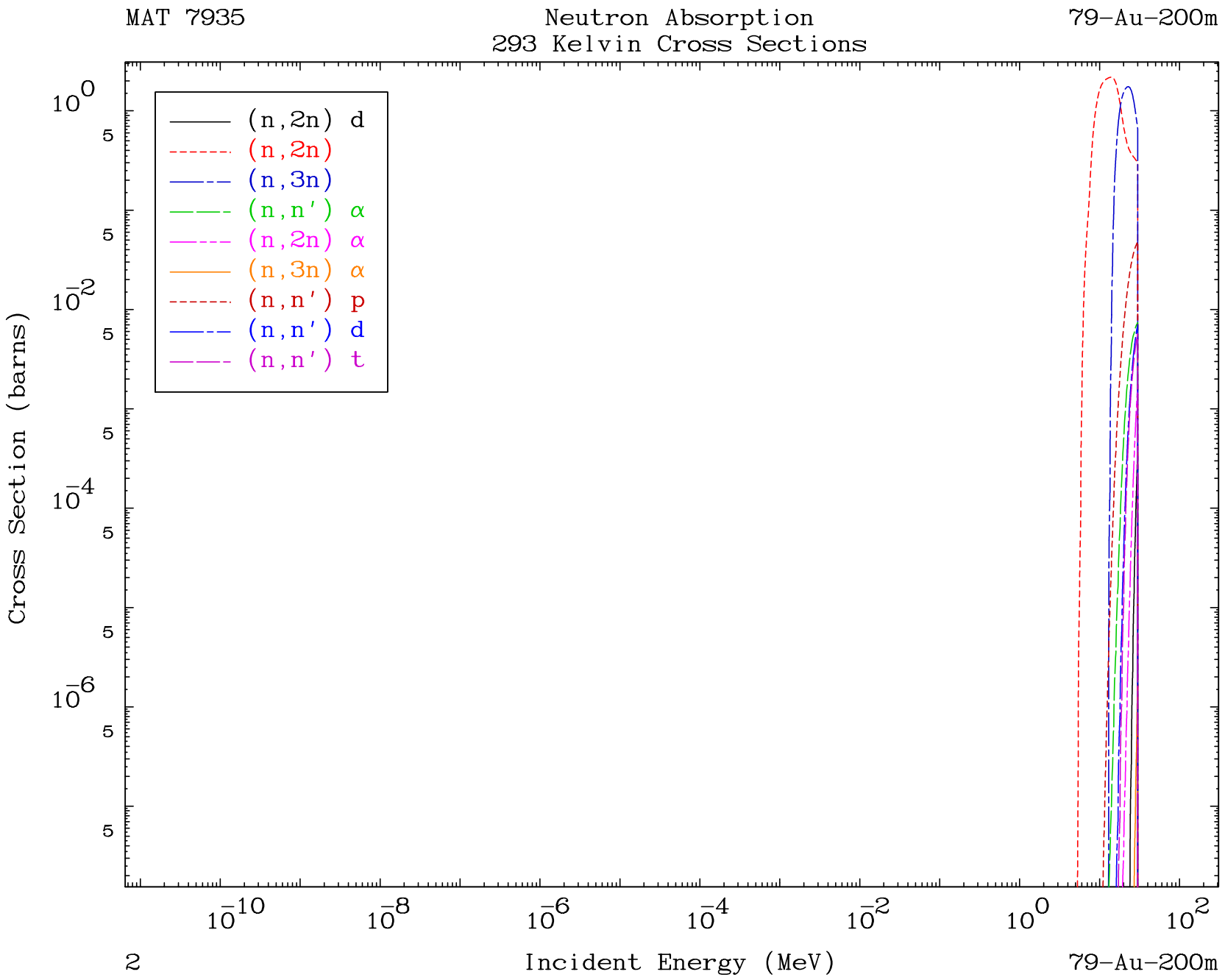
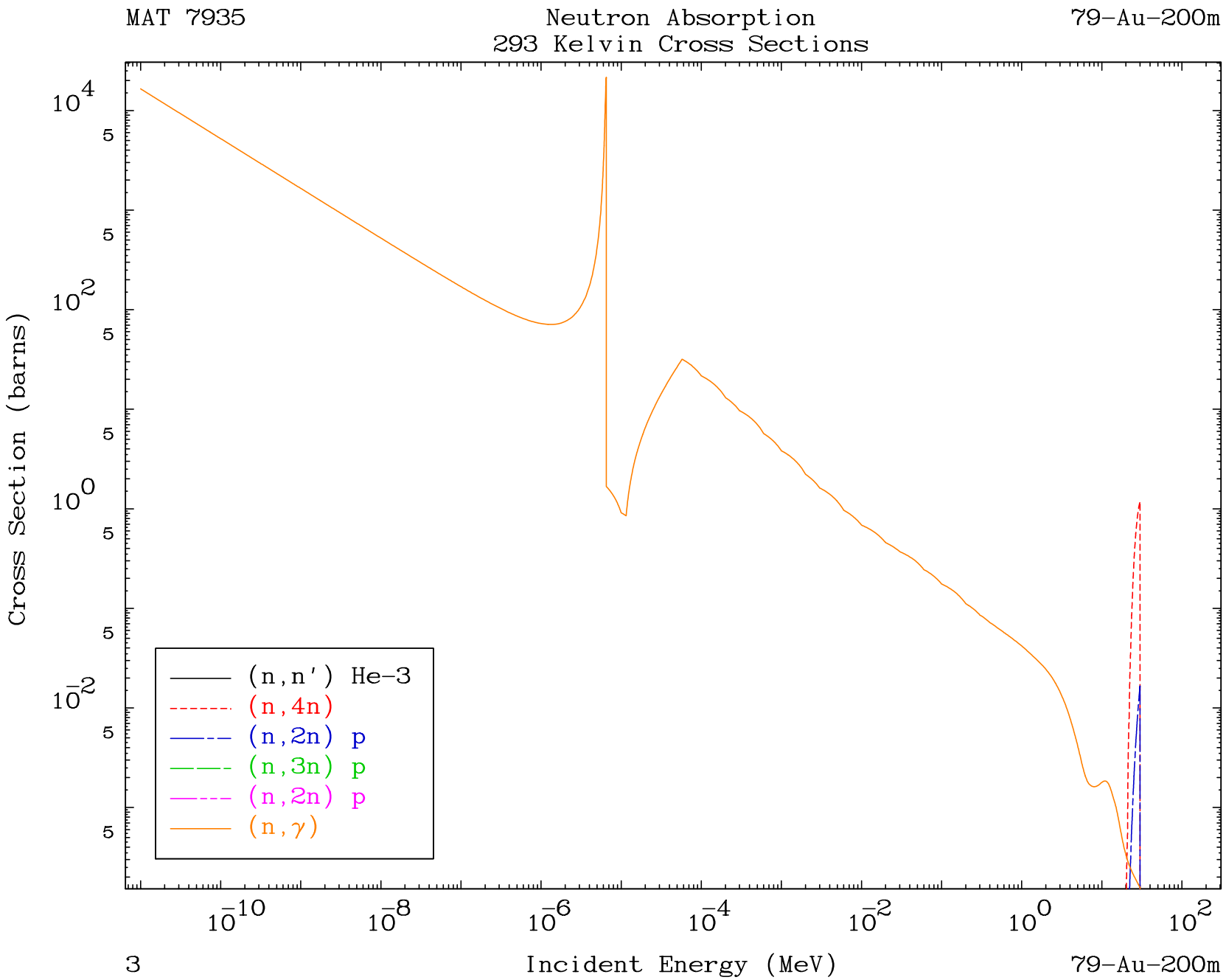
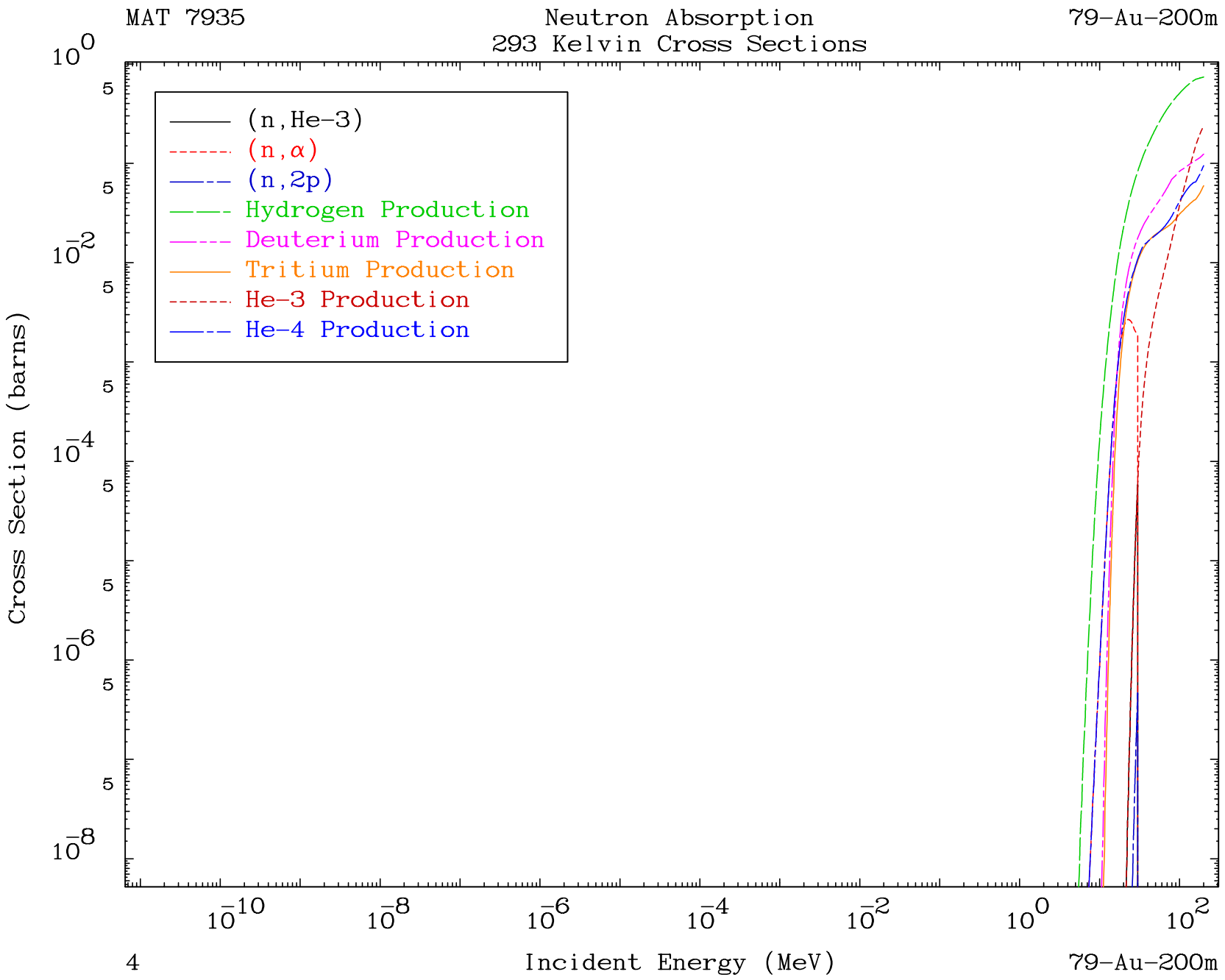
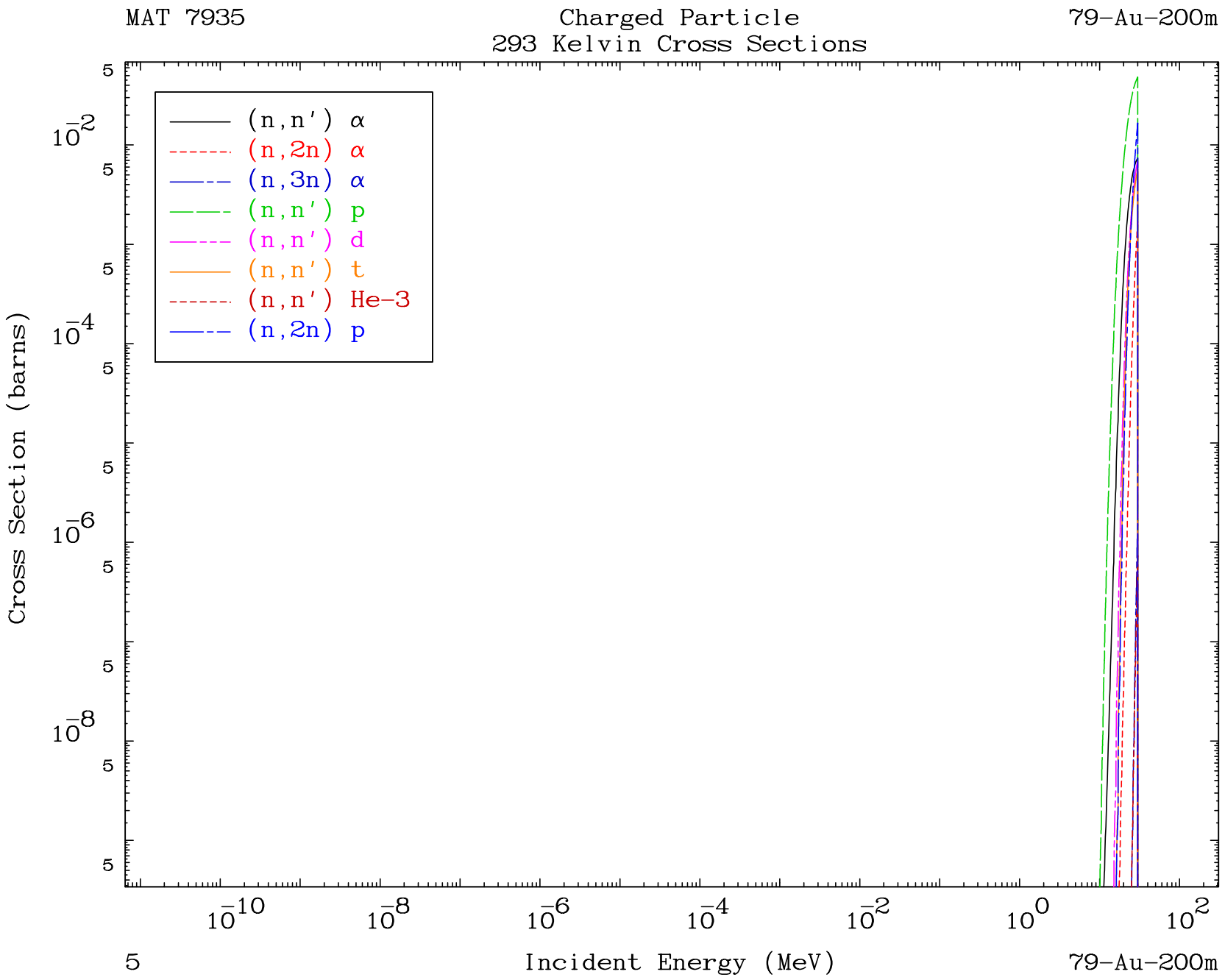
Press Mouse Button to Start

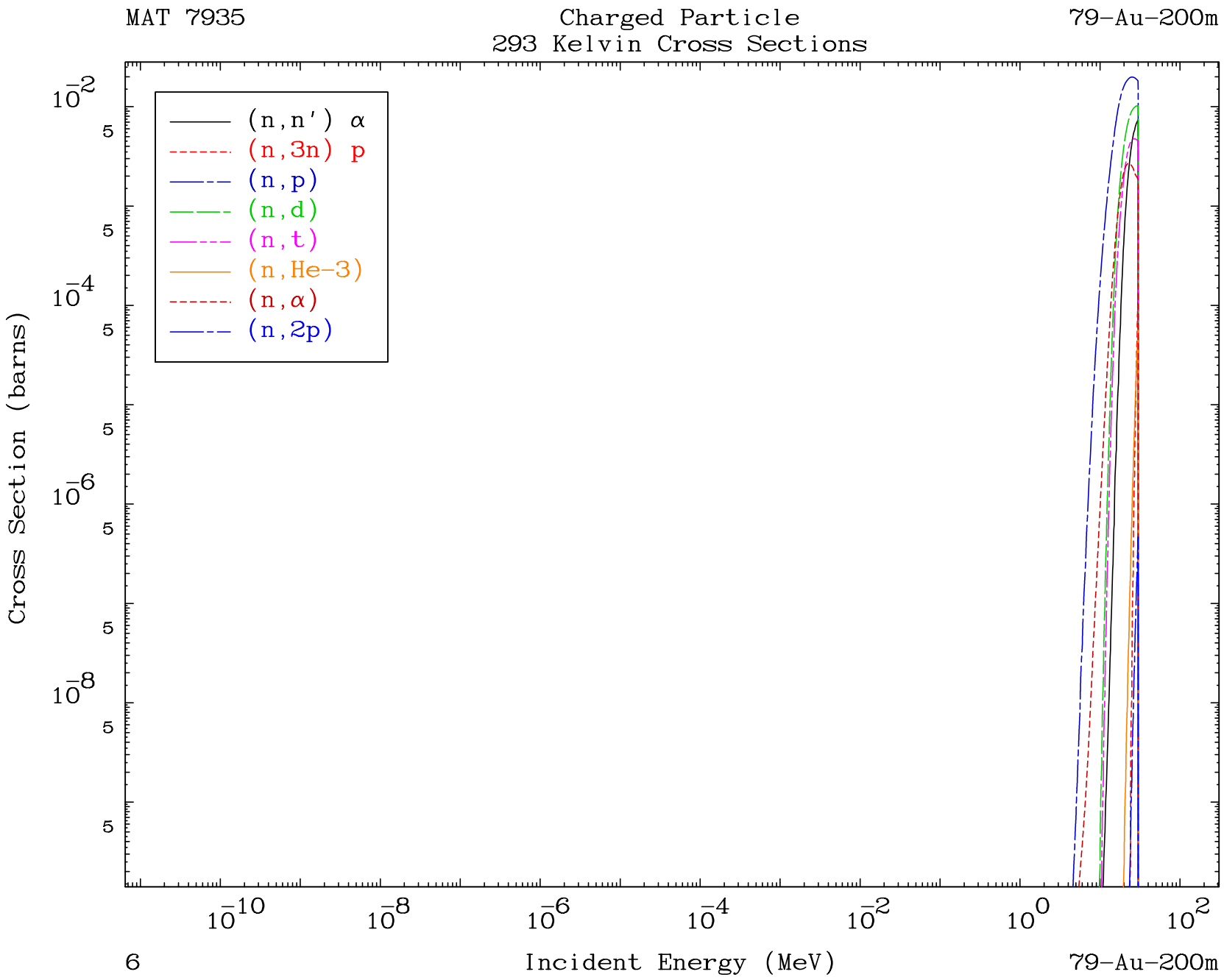

MAT 7935
Neutron Major
293 Kelvin Cross Sections
79-Au-200m
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
79-Au-200m
1

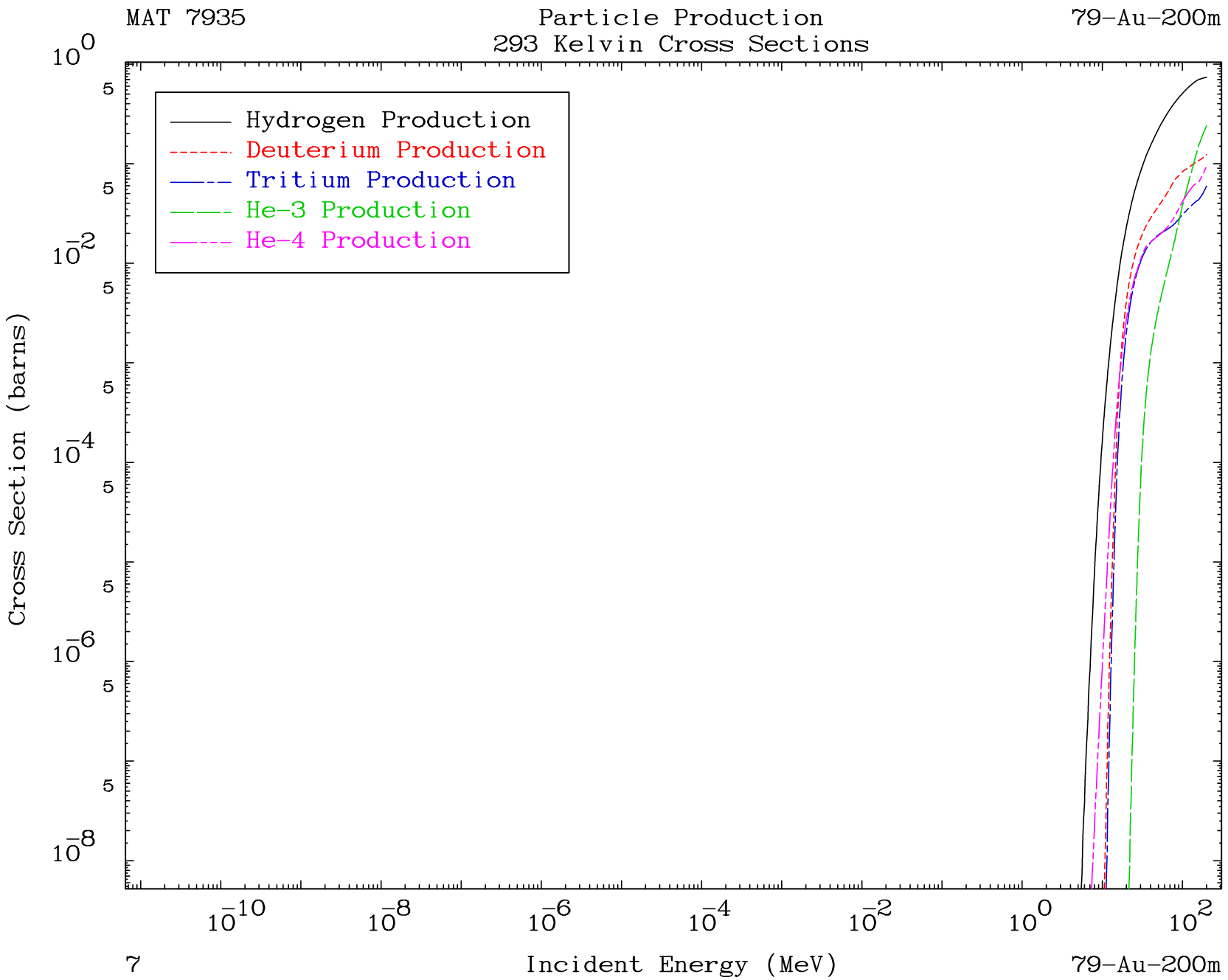

MAT 7935
Neutron Absorption
293 Kelvin Cross Sections
79-Au-200m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
79-Au-200m
2

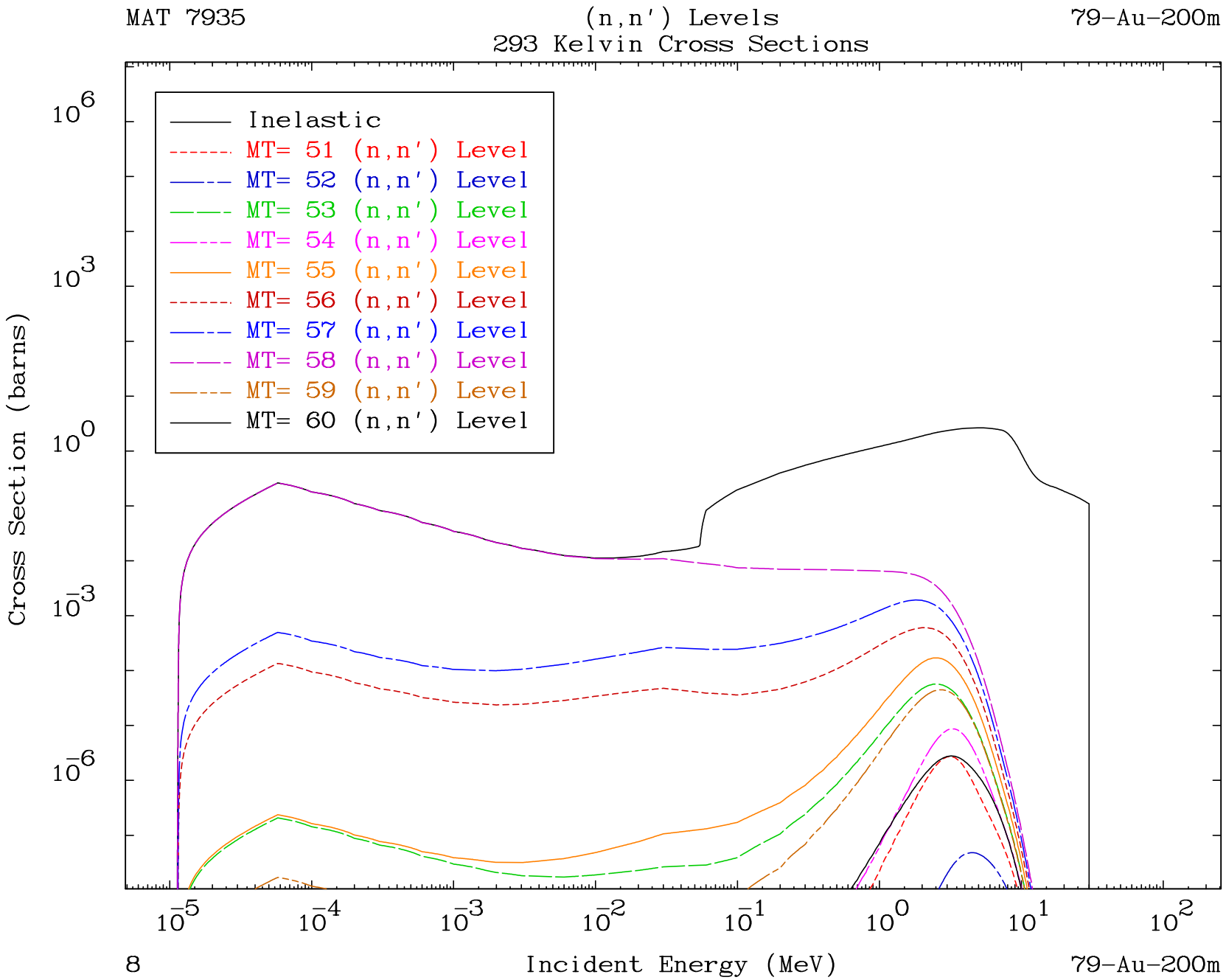

MAT 7935
Neutron Absorption
293 Kelvin Cross Sections
79-Au-200m
Cross Section (barns)
10^4
10^2
10^0
10^-2
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,γ)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
3
79-Au-200m

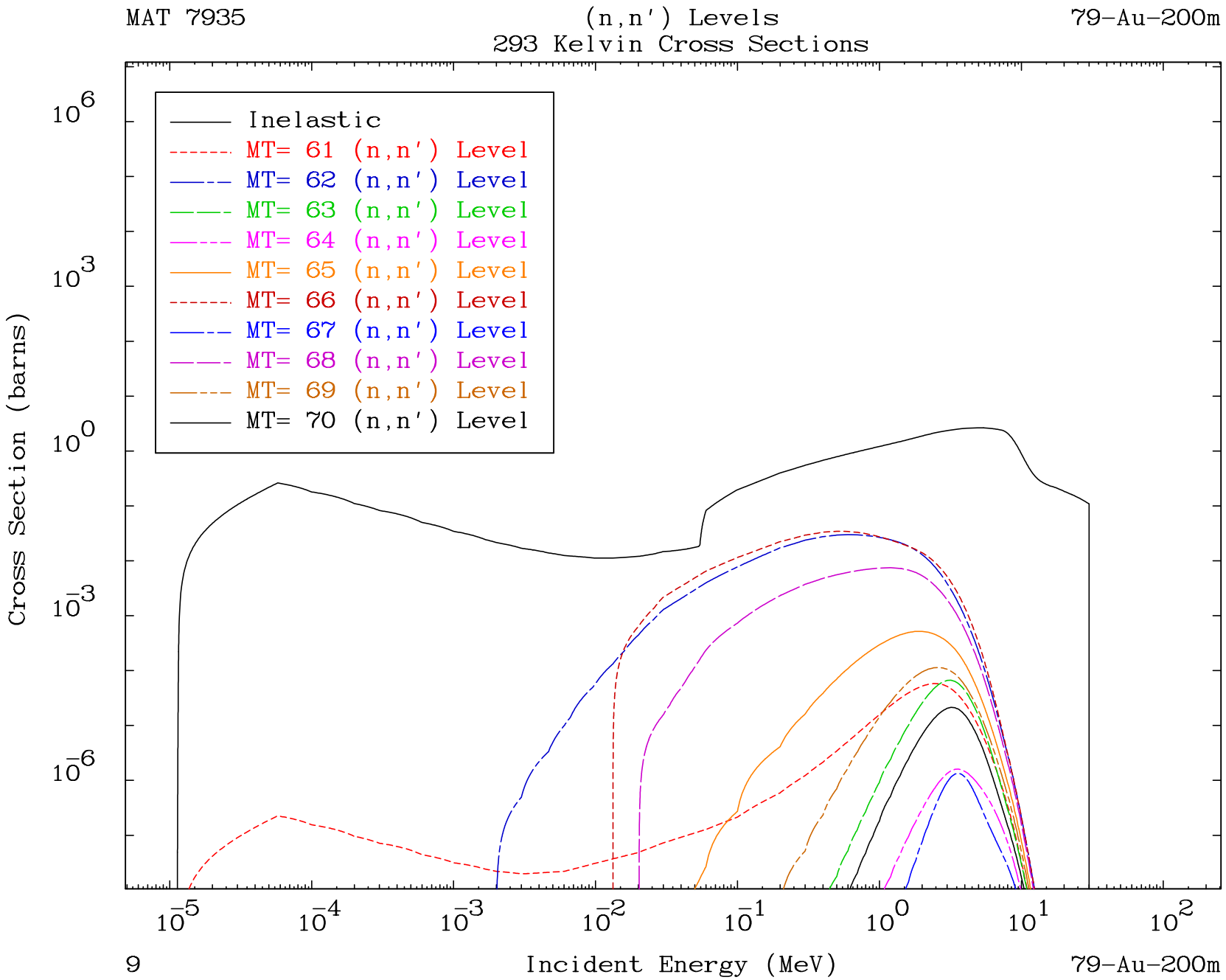

MAT 7935
Neutron Absorption
293 Kelvin Cross Sections
79-Au-200m
(n,He-3)
(n,α)
(n,2p)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
79-Au-200m
4

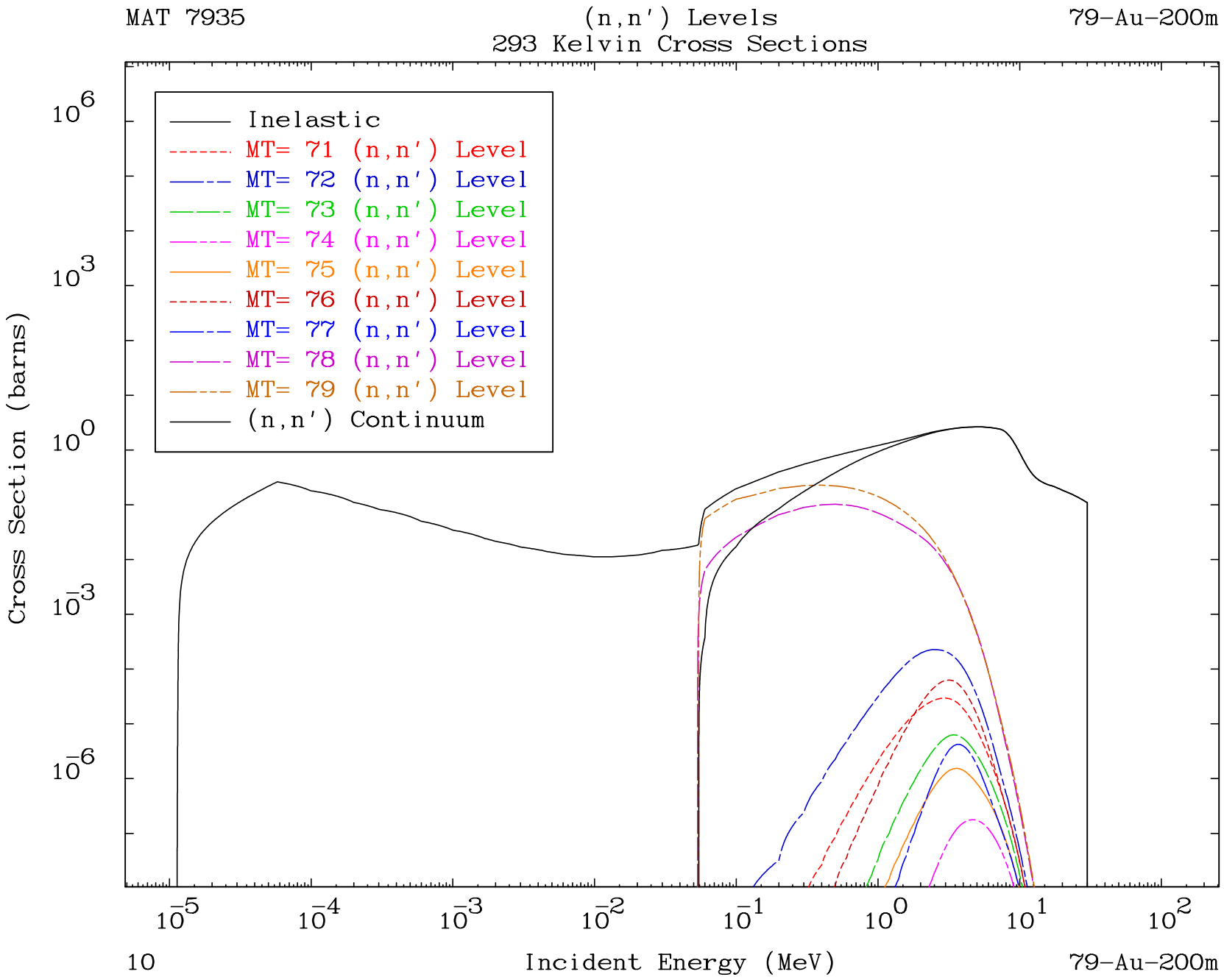

MAT 7935
Charged Particle
293 Kelvin Cross Sections
79-Au-200m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
Incident Energy (MeV)
79-Au-200m

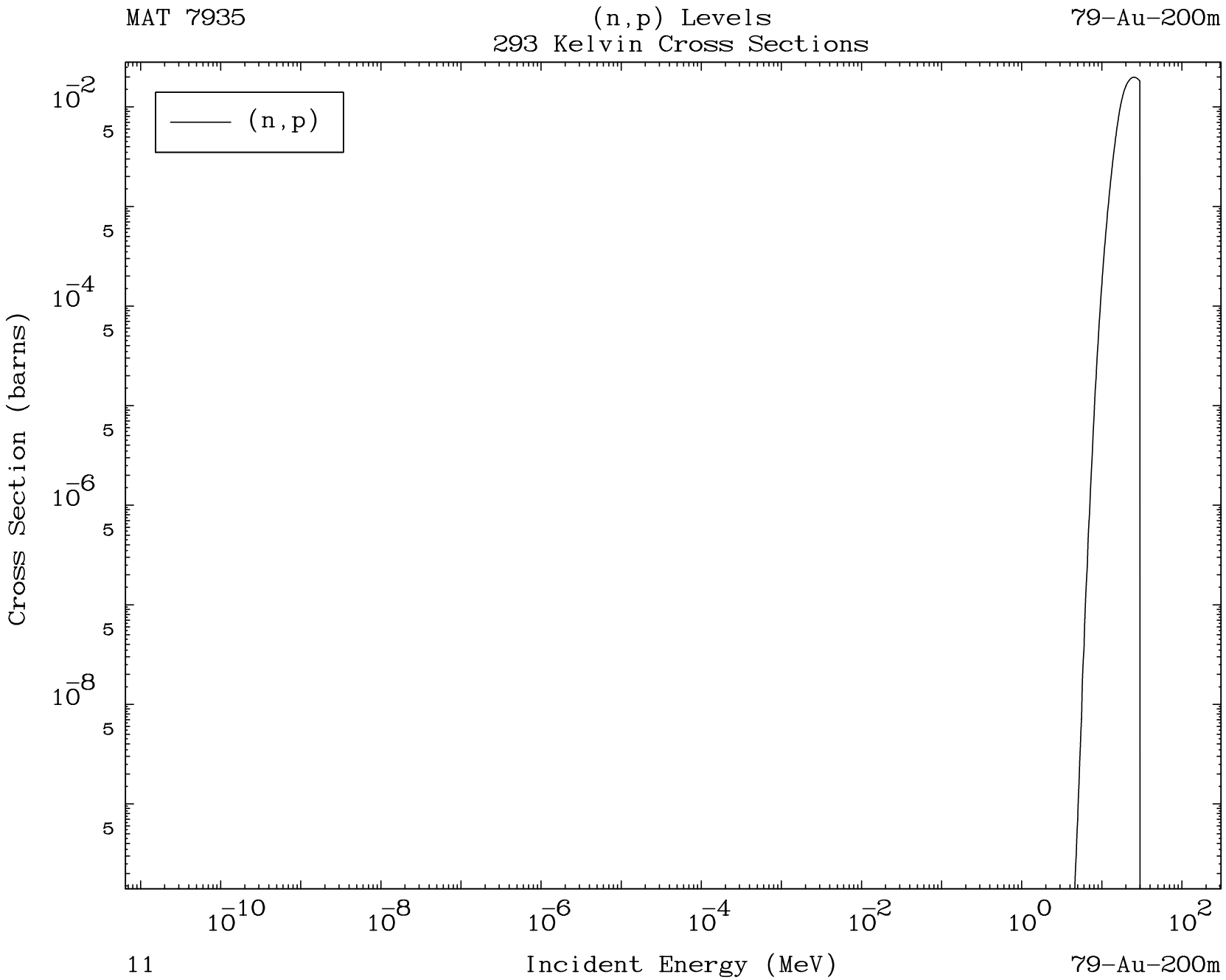

MAT 7935
Charged Particle
293 Kelvin Cross Sections
79-Au-200m
(n,n') α
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2p)
Cross Section (barns)
Incident Energy (MeV)
6
79-Au-200m

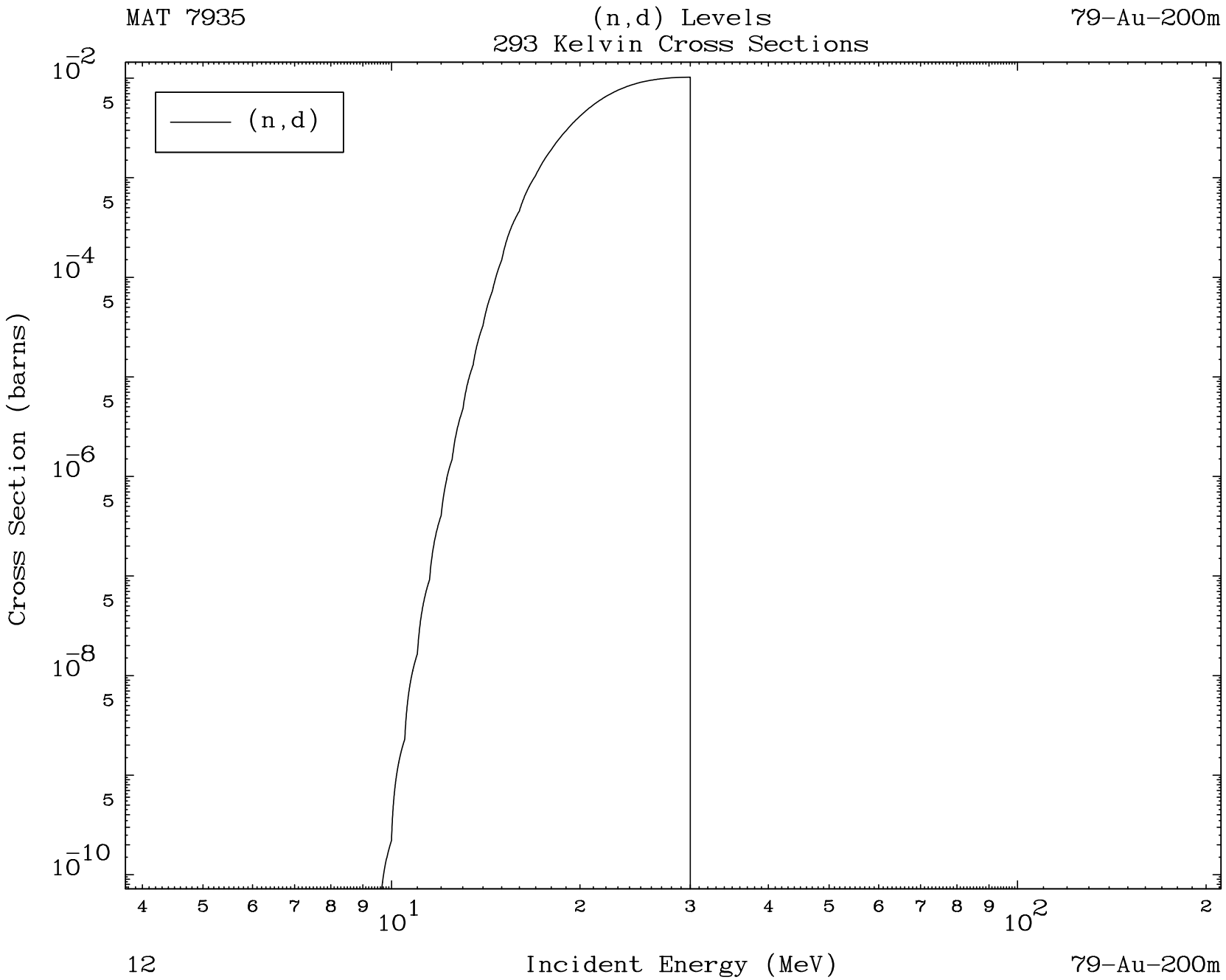

MAT 7935
Particle Production
293 Kelvin Cross Sections
79-Au-200m
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
Cross Section (barns)
Incident Energy (MeV)
7
79-Au-200m

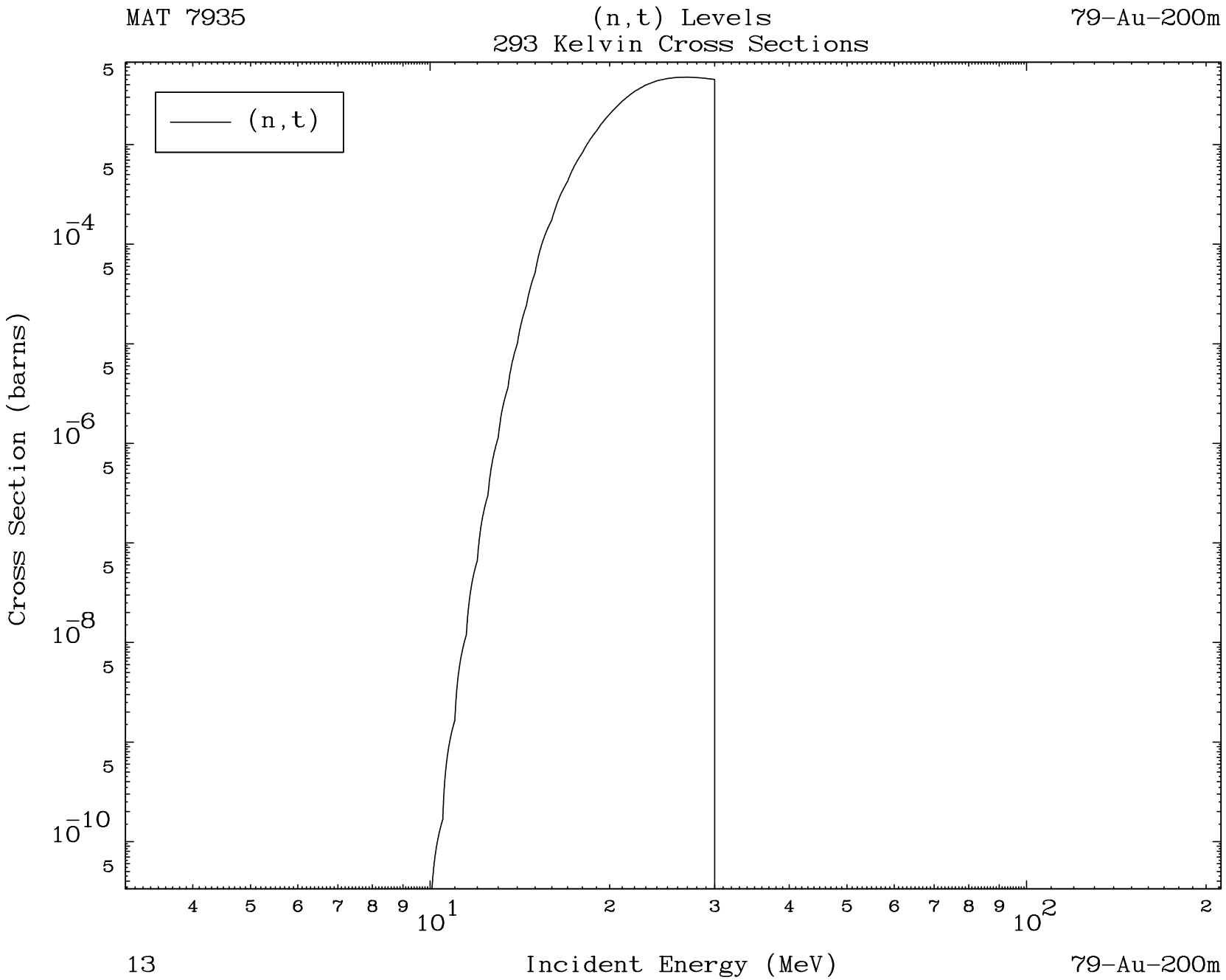

MAT 7935
(n,n') Levels
293 Kelvin Cross Sections
79-Au-200m
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
MT= 60 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
8
79-Au-200m

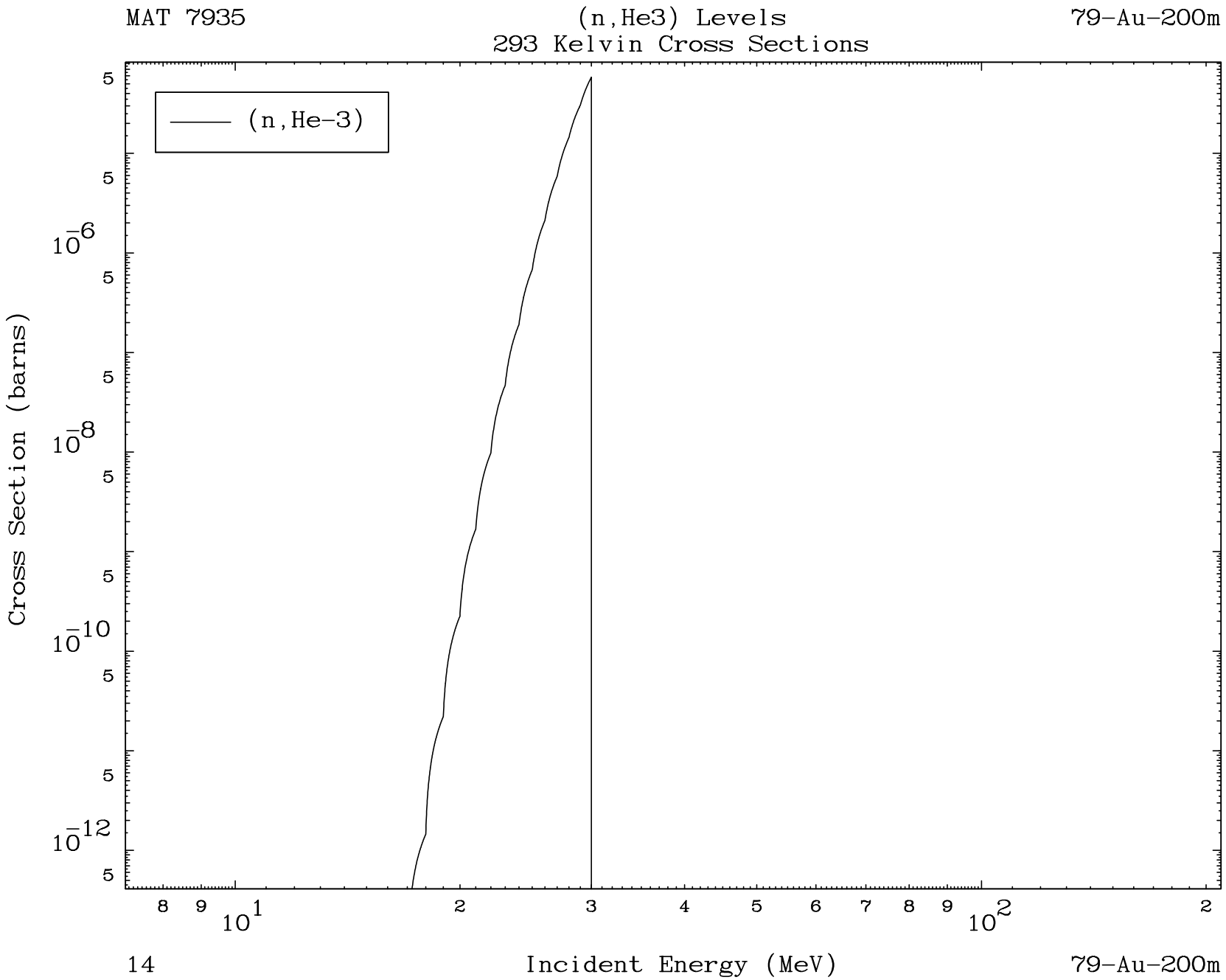

MAT 7935
(n,n') Levels
293 Kelvin Cross Sections
79-Au-200m
Inelastic
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
9
79-Au-200m

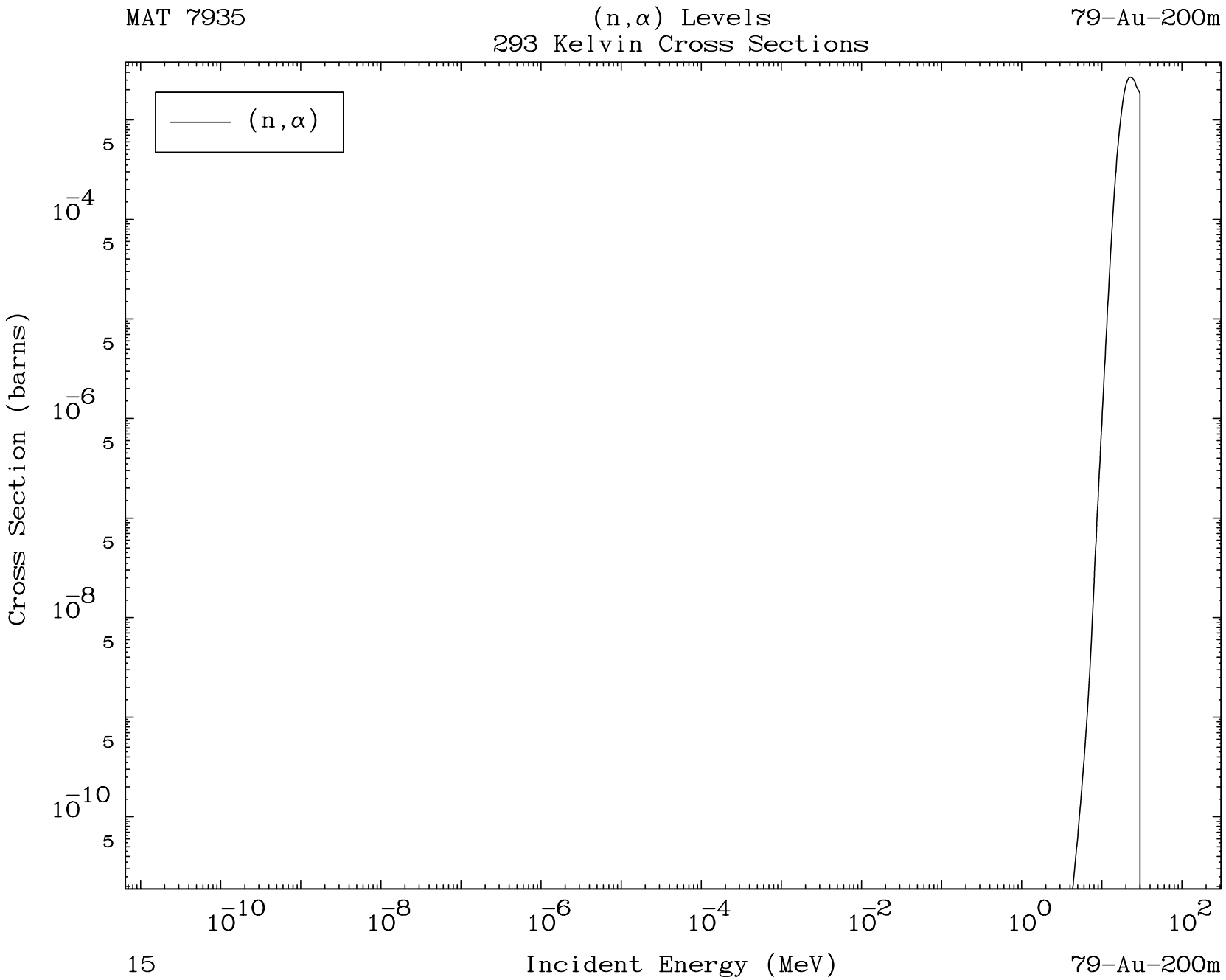

MAT 7935
(n,n') Levels
293 Kelvin Cross Sections
79-Au-200m
Inelastic
MT= 71 (n,n') Level
MT= 72 (n,n') Level
MT= 73 (n,n') Level
MT= 74 (n,n') Level
MT= 75 (n,n') Level
MT= 76 (n,n') Level
MT= 77 (n,n') Level
MT= 78 (n,n') Level
MT= 79 (n,n') Level
(n,n') Continuum
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
10^-5
10^-4
10^-3
10^-2
10^-1
10^0
10^1
10^2
10
Incident Energy (MeV)
79-Au-200m

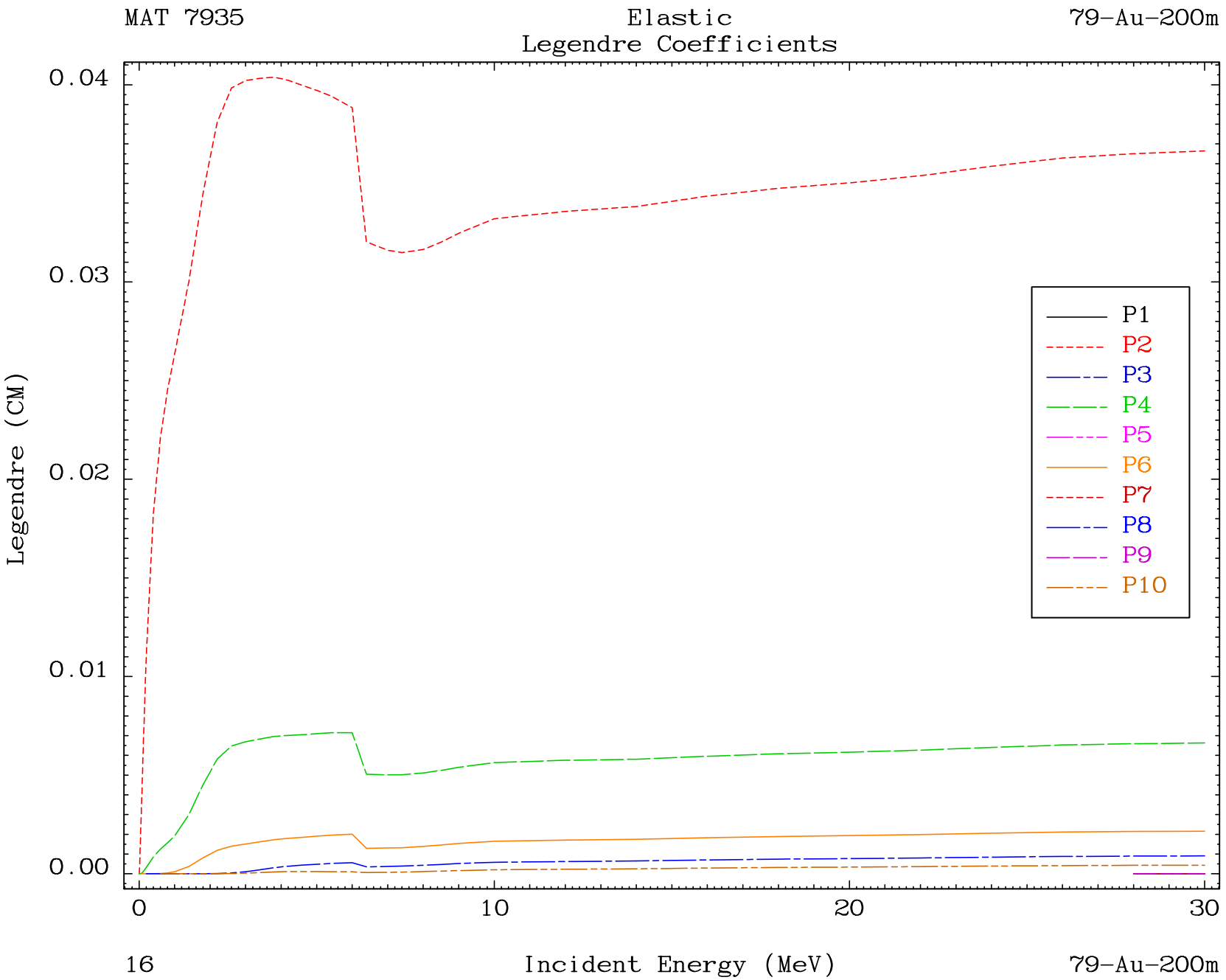

MAT 7935
(n,p) Levels
293 Kelvin Cross Sections
79-Au-200m
(n,p)
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
5
10-10
10-8
10-6
10-4
10-2
100
102
11
Incident Energy (MeV)
79-Au-200m

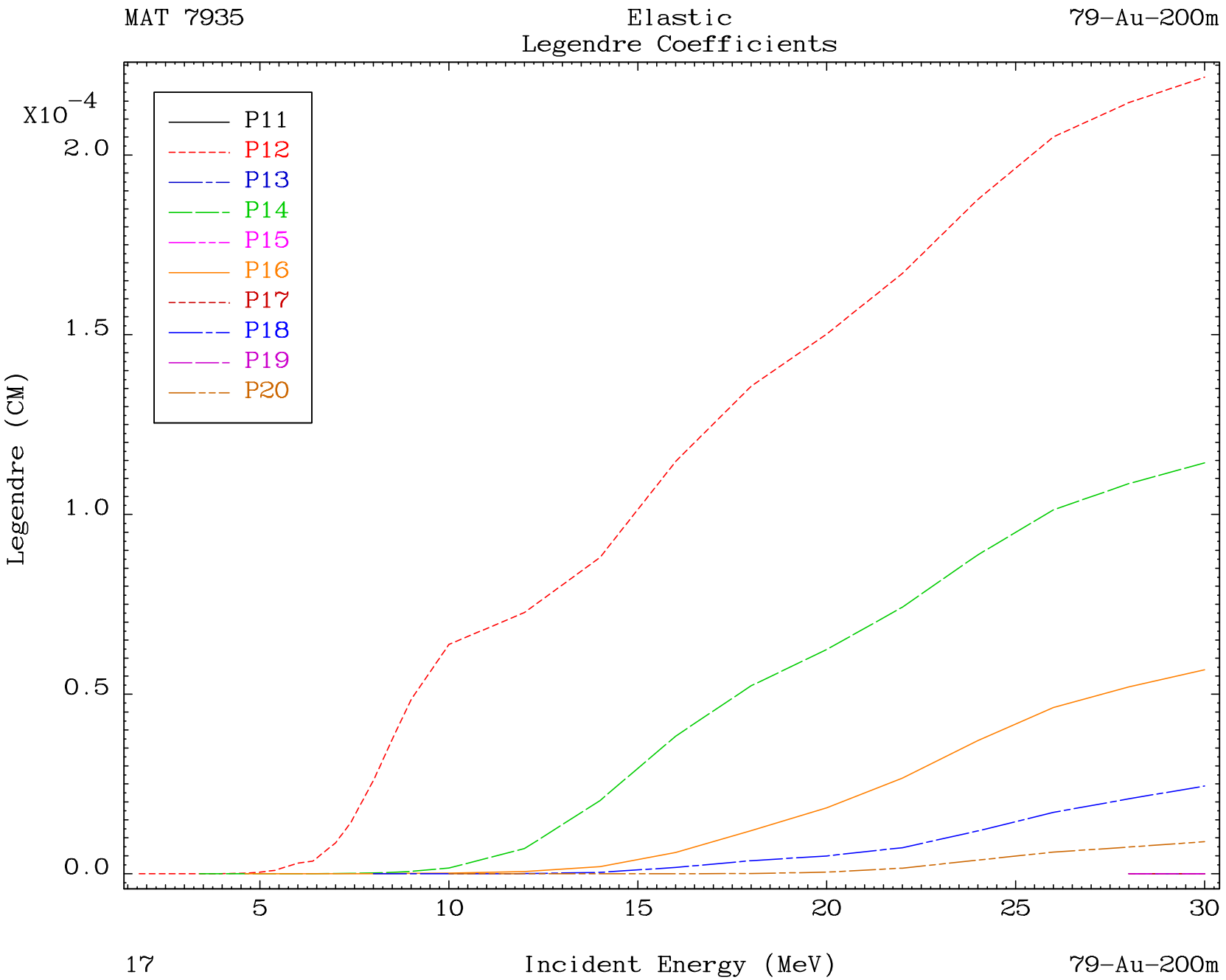

MAT 7935
(n,d) Levels
293 Kelvin Cross Sections
79-Au-200m
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12
79-Au-200m

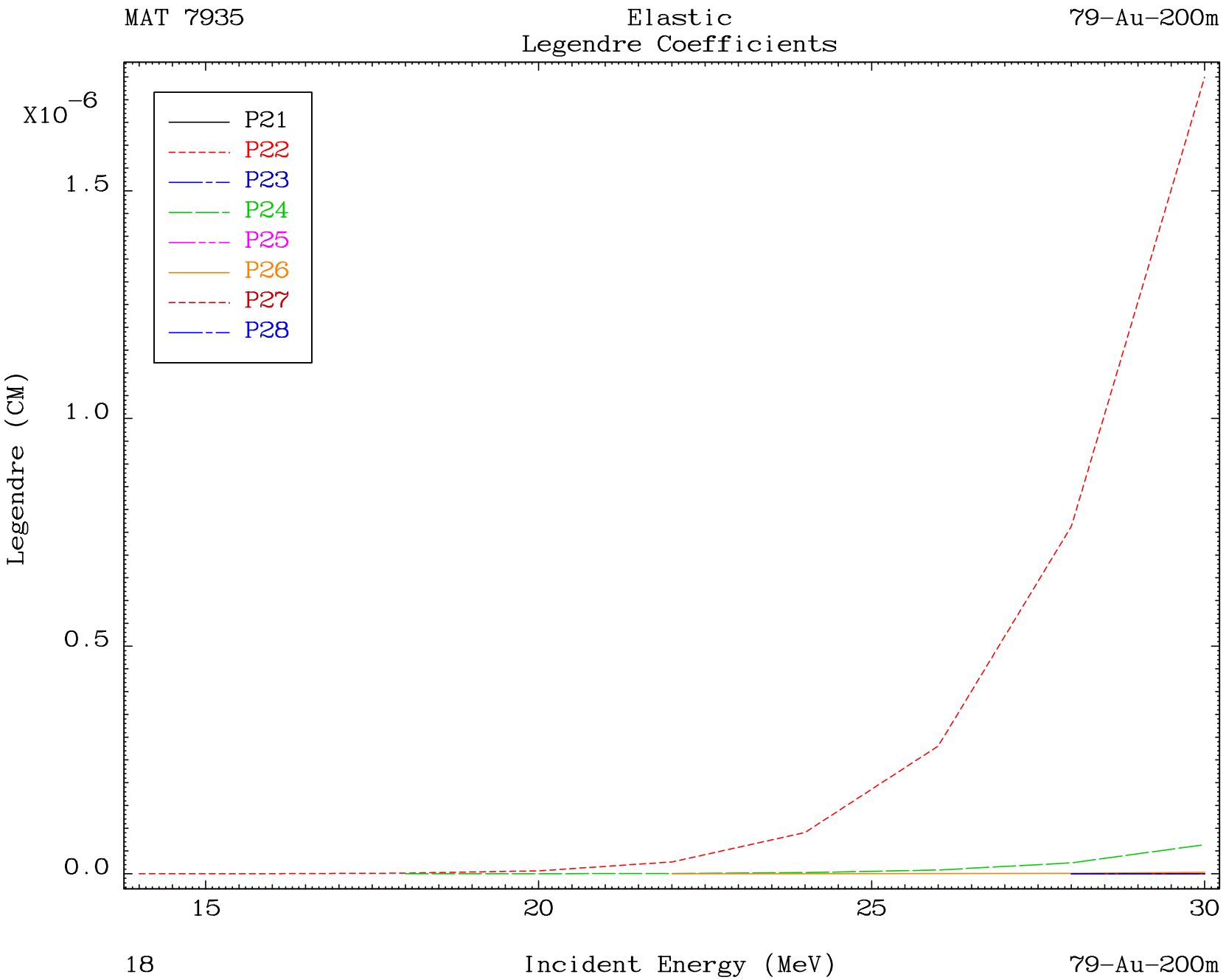

MAT 7935
(n,t) Levels
293 Kelvin Cross Sections
79-Au-200m
(n,t)
Cross Section (barns)
Incident Energy (MeV)
13
79-Au-200m

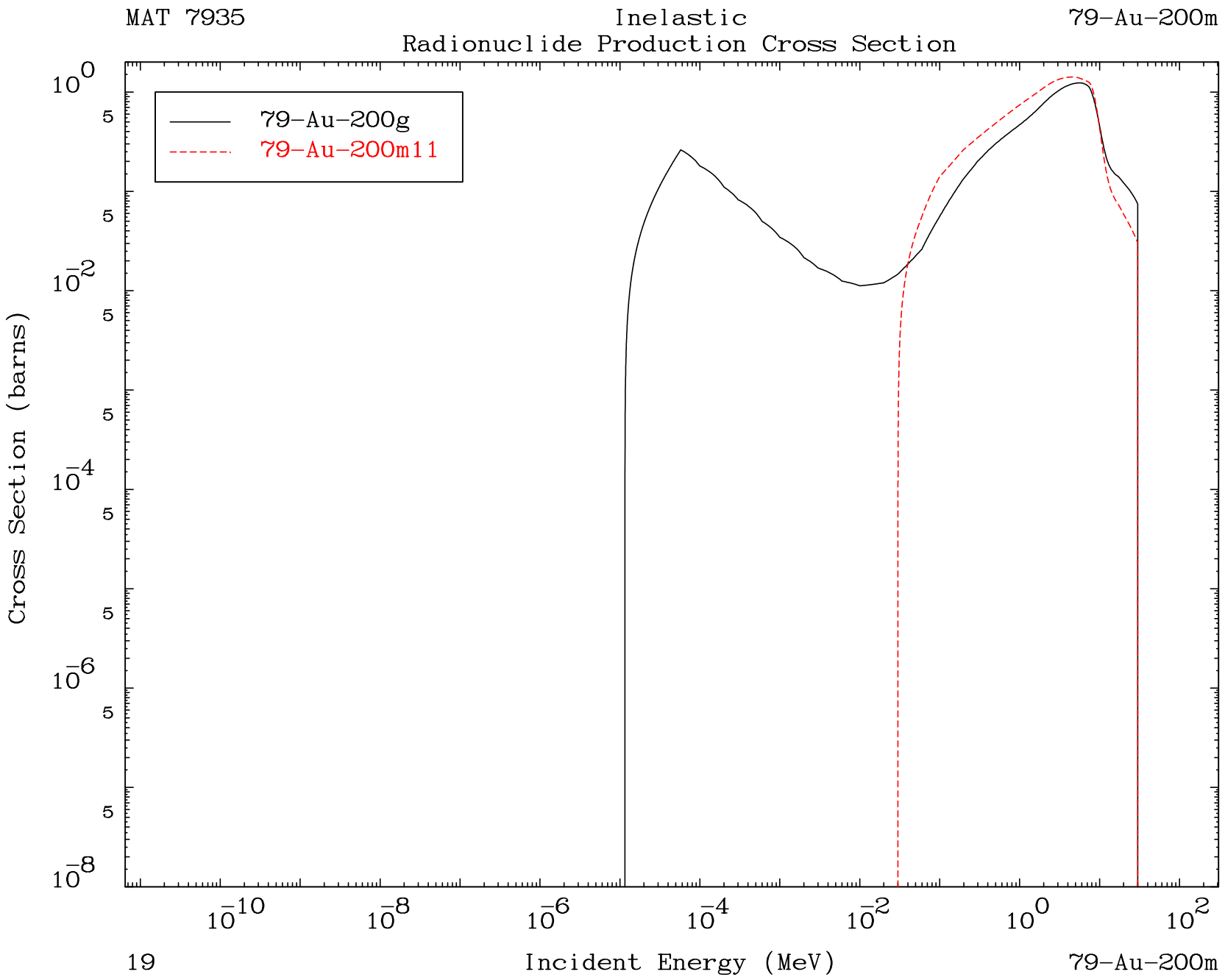

MAT 7935
(n,He3) Levels
79-Au-200m
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
14
79-Au-200m

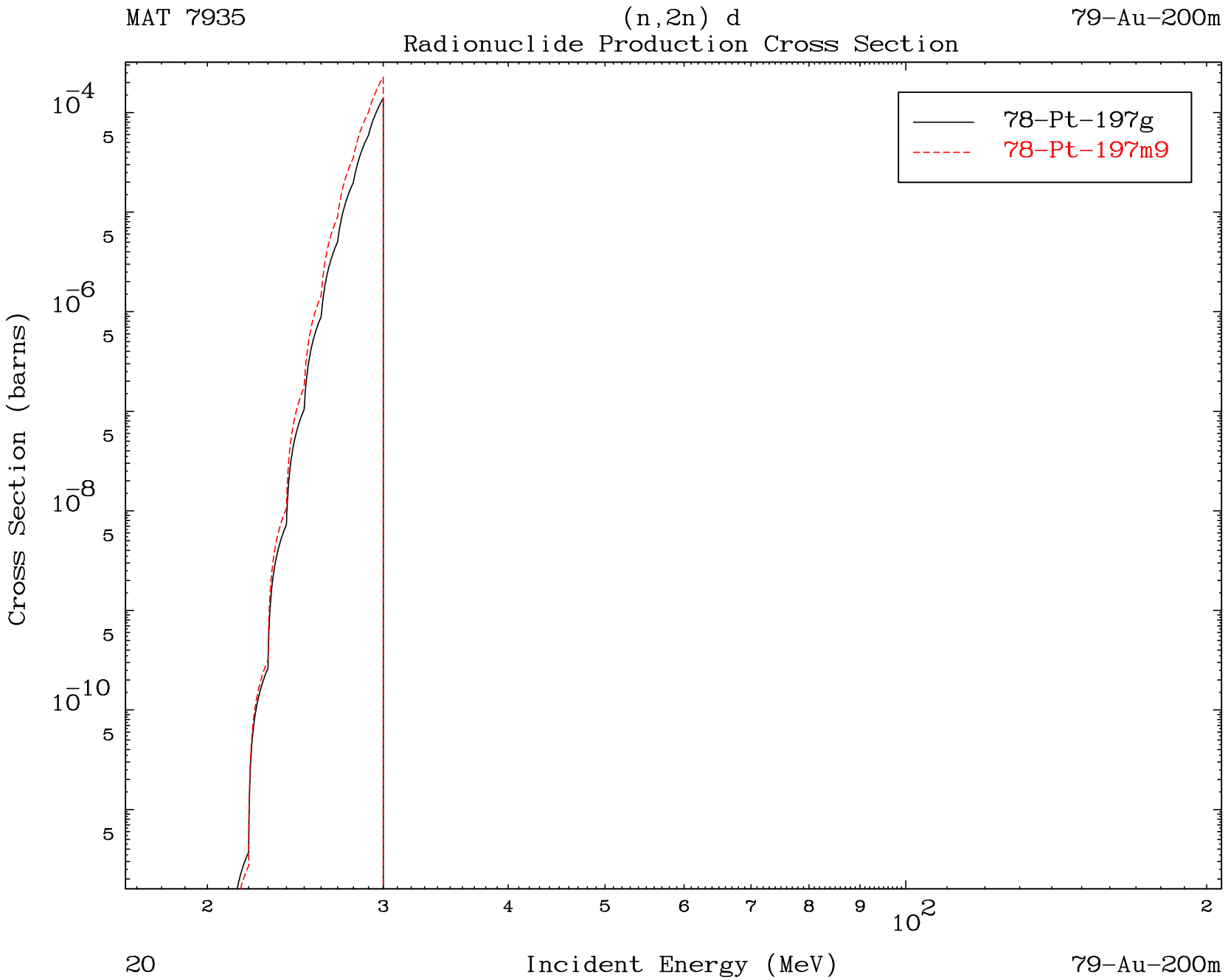

MAT 7935
(n,α) Levels
293 Kelvin Cross Sections
79-Au-200m
(n,α)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
10-10
10-8
10-6
10-4
10-2
100
102
15
Incident Energy (MeV)
79-Au-200m

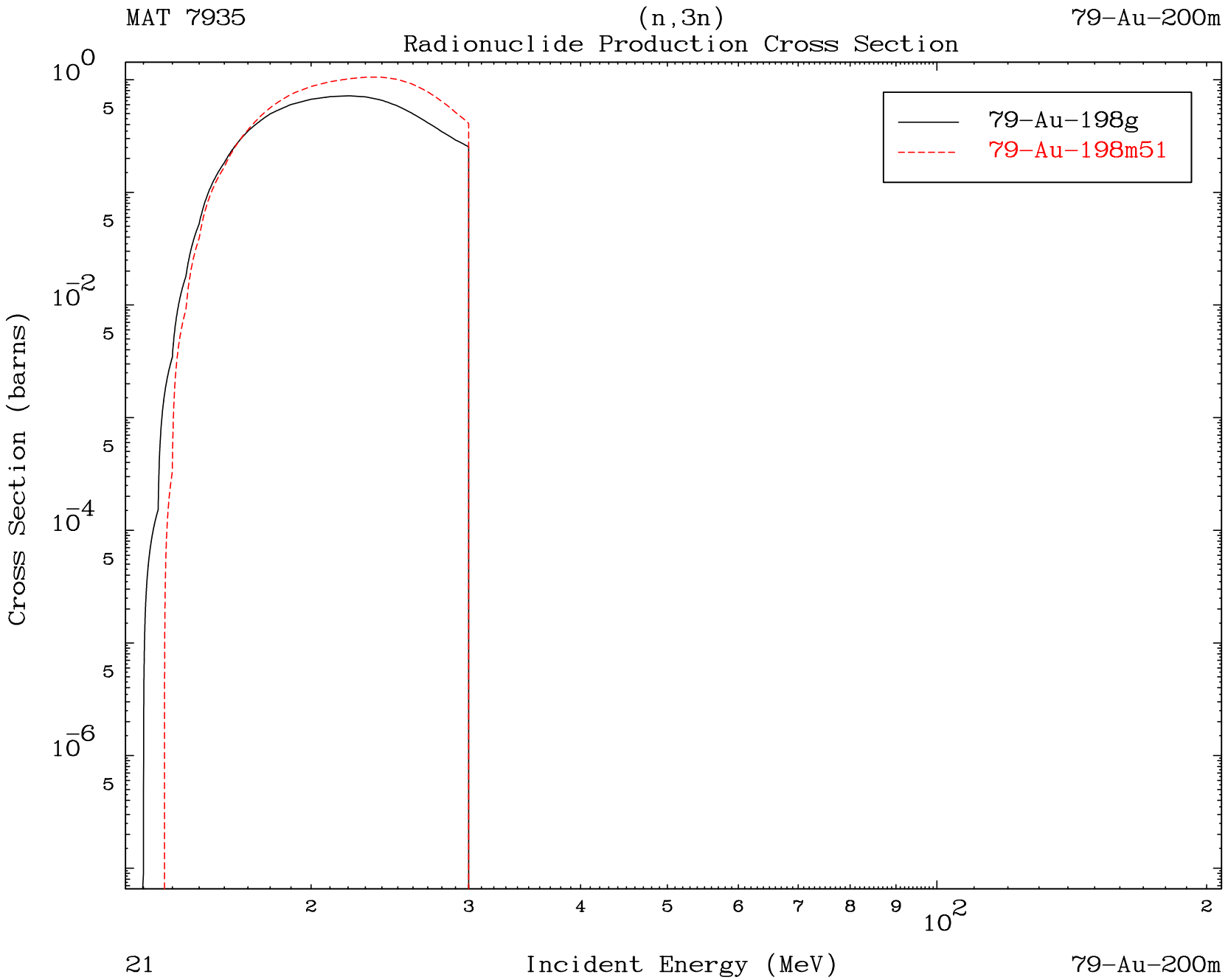

MAT 7935
Elastic
Legendre Coefficients
79-Au-200m
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
10
20
30
16
Incident Energy (MeV)
79-Au-200m

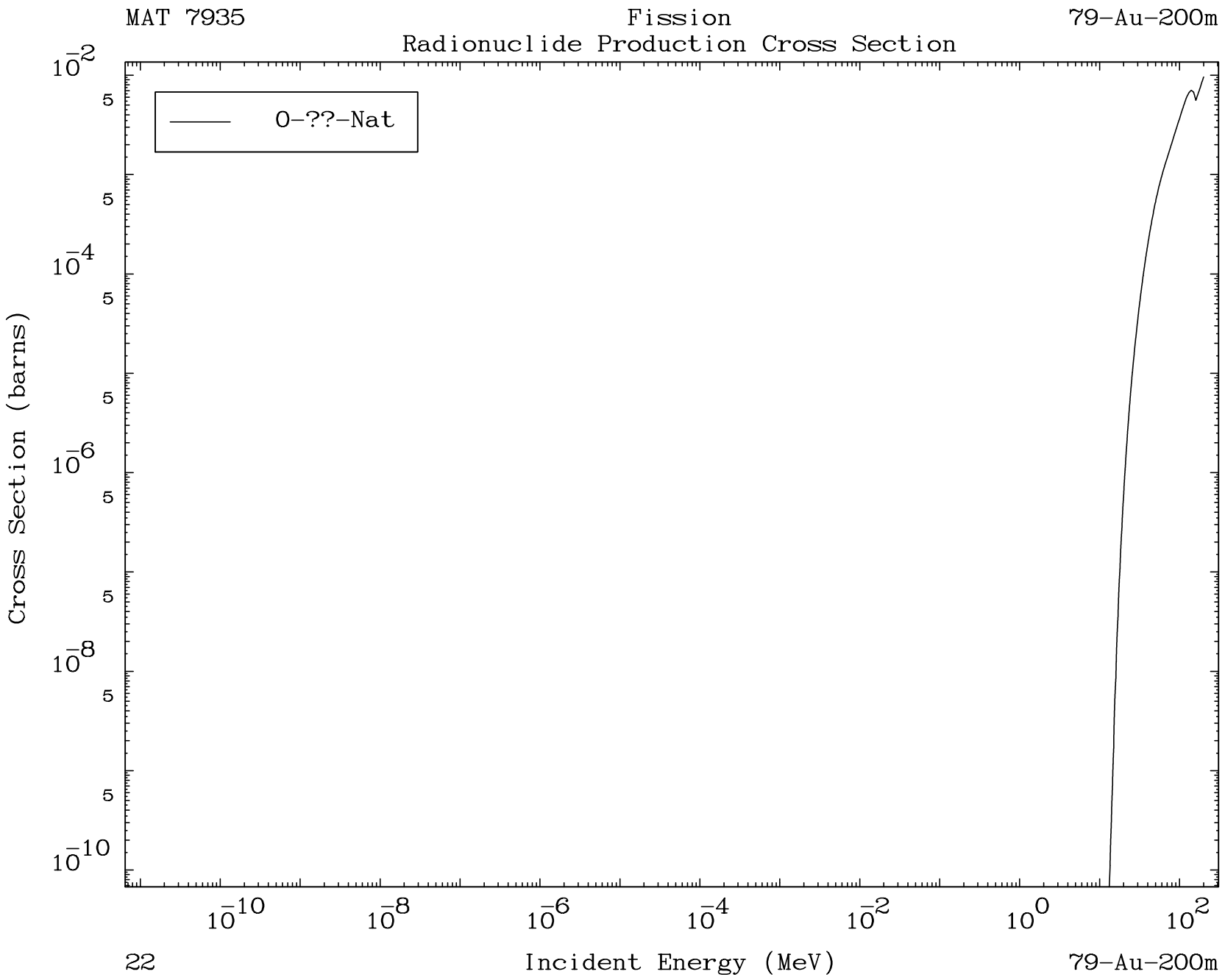

MAT 7935
Elastic
Legendre Coefficients
79-Au-200m
X10^-4
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
5
10
15
20
25
30
17
Incident Energy (MeV)
79-Au-200m

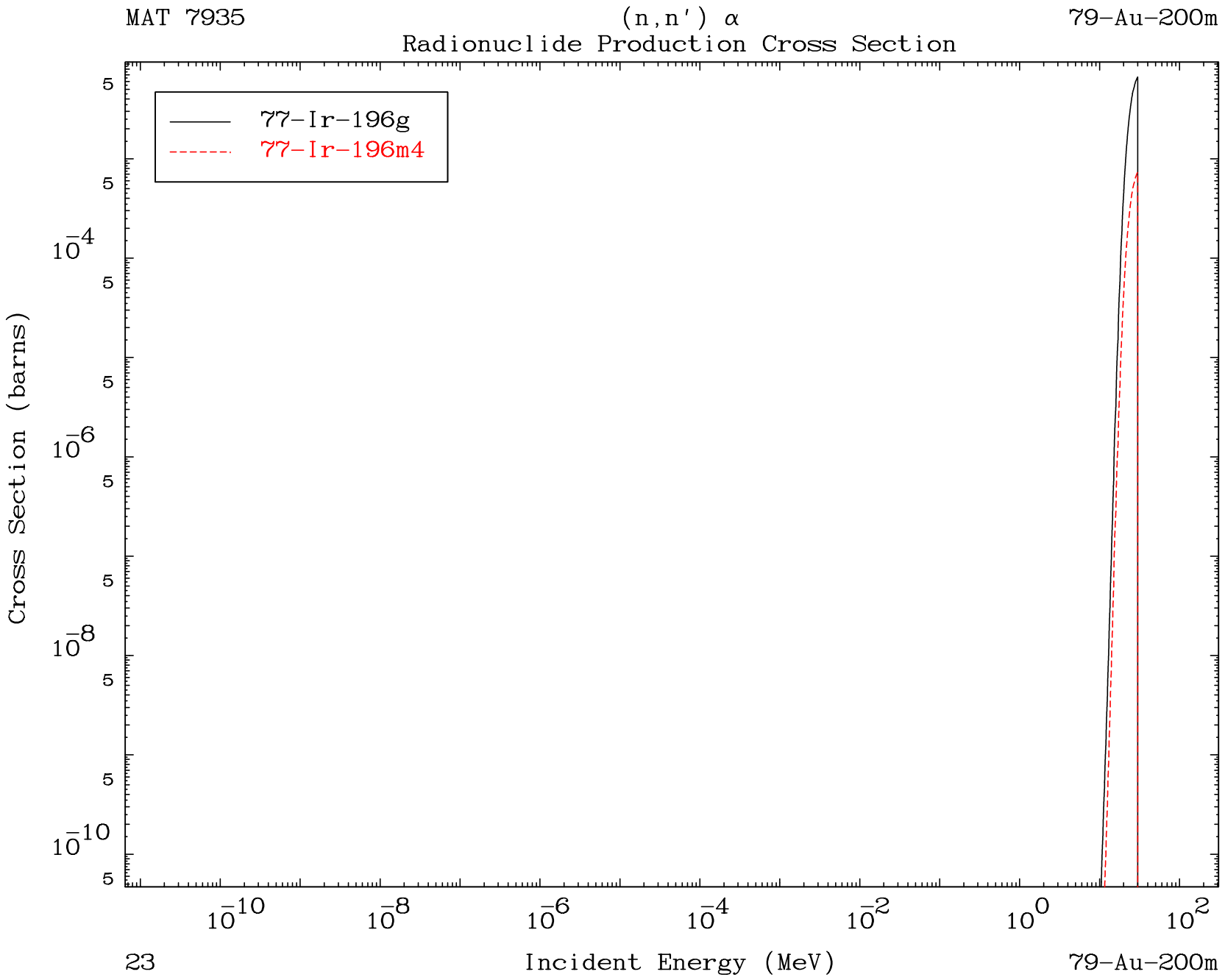

MAT 7935
Elastic
Legendre Coefficients
79-Au-200m
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
15
20
25
30
18
Incident Energy (MeV)
79-Au-200m

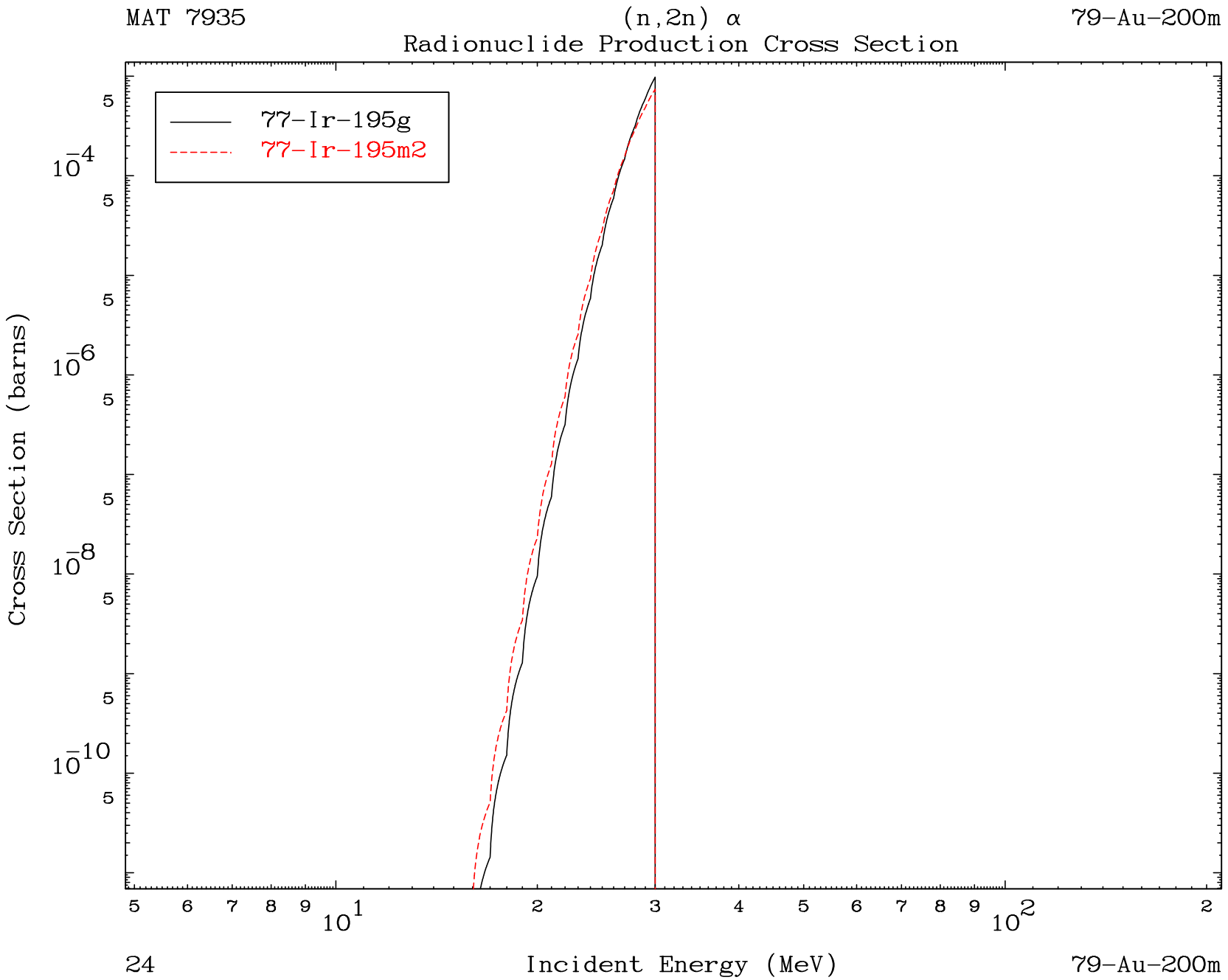

MAT 7935
Inelastic
79-Au-200m
Radionuclide Production Cross Section
79-Au-200g
79-Au-200m11
Cross Section (barns)
Incident Energy (MeV)
19
79-Au-200m

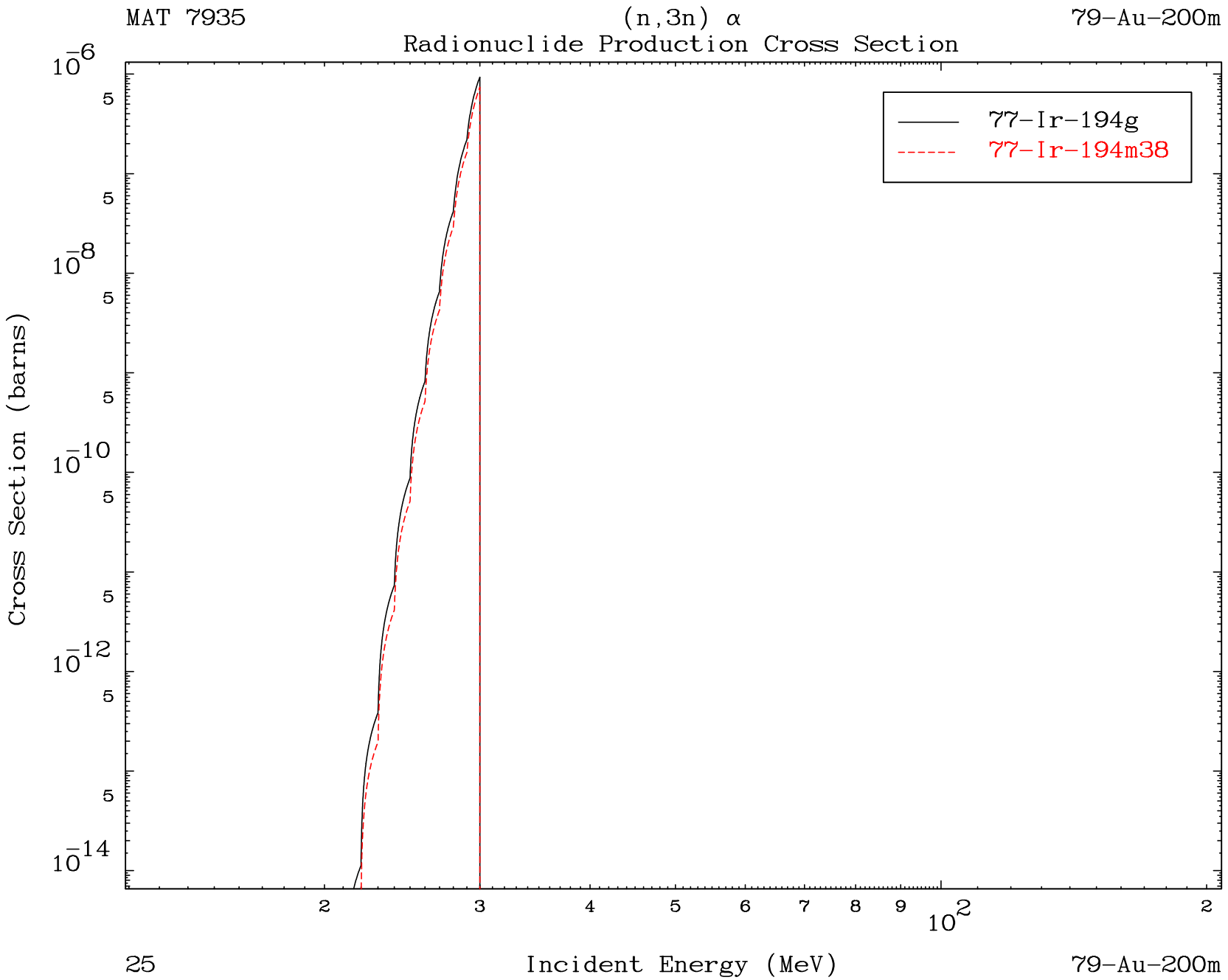

MAT 7935
(n,2n) d
79-Au-200m
Radionuclide Production Cross Section
78-Pt-197g
78-Pt-197m9
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
20
Incident Energy (MeV)
79-Au-200m

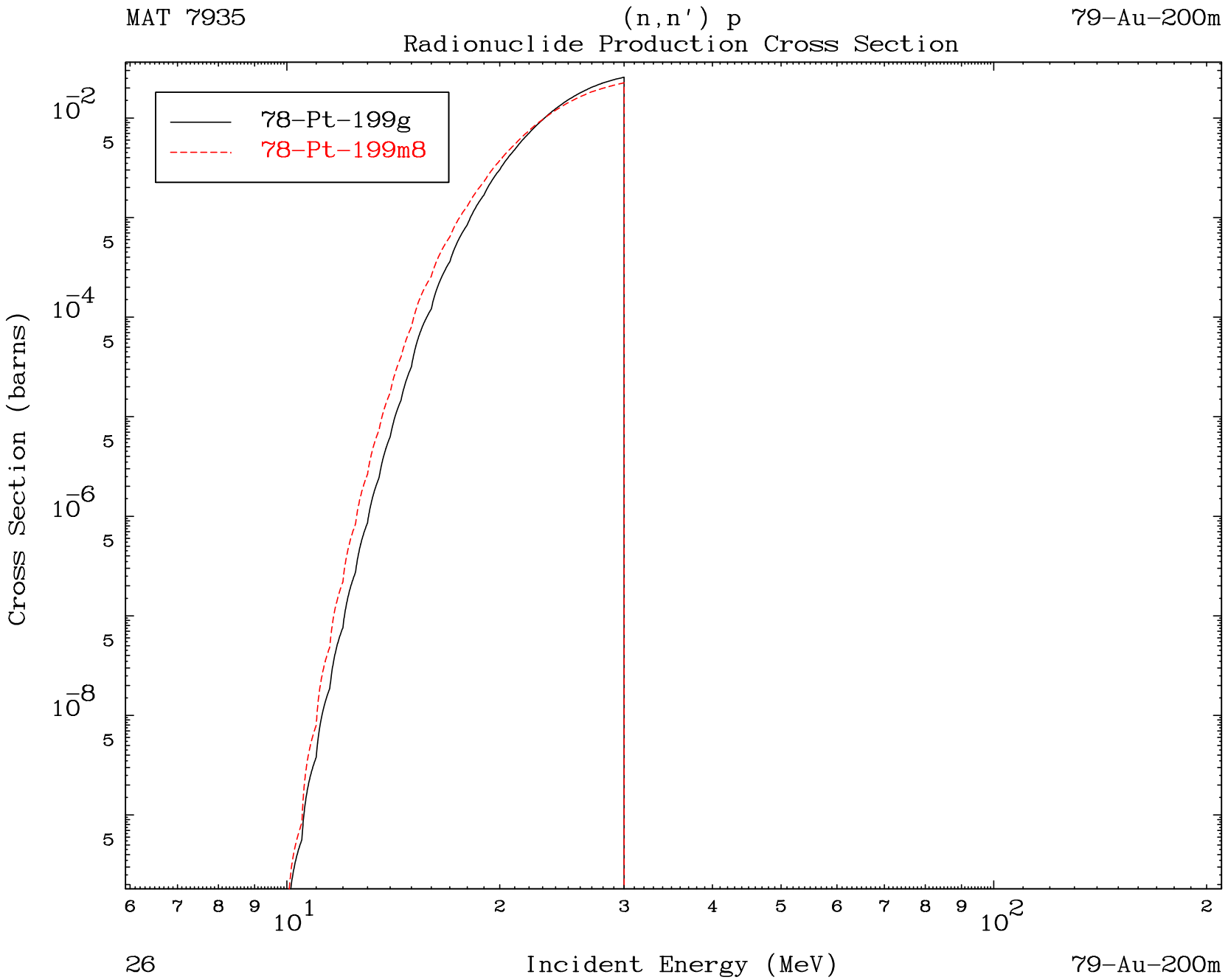

MAT 7935
(n,3n)
79-Au-200m
Radionuclide Production Cross Section
79-Au-198g
79-Au-198m51
Cross Section (barns)
Incident Energy (MeV)
21
79-Au-200m

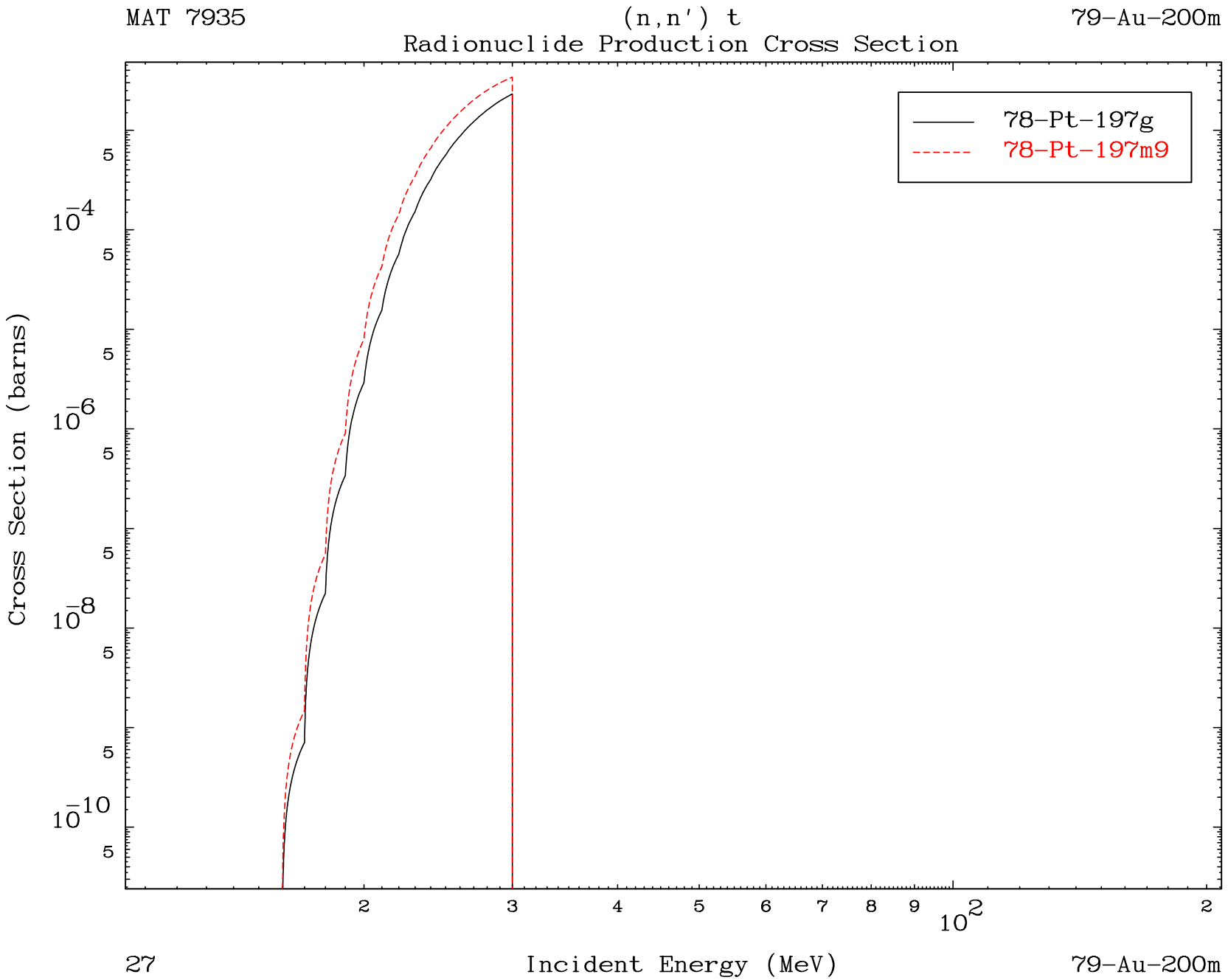

MAT 7935
Fission
79-Au-200m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
22
79-Au-200m

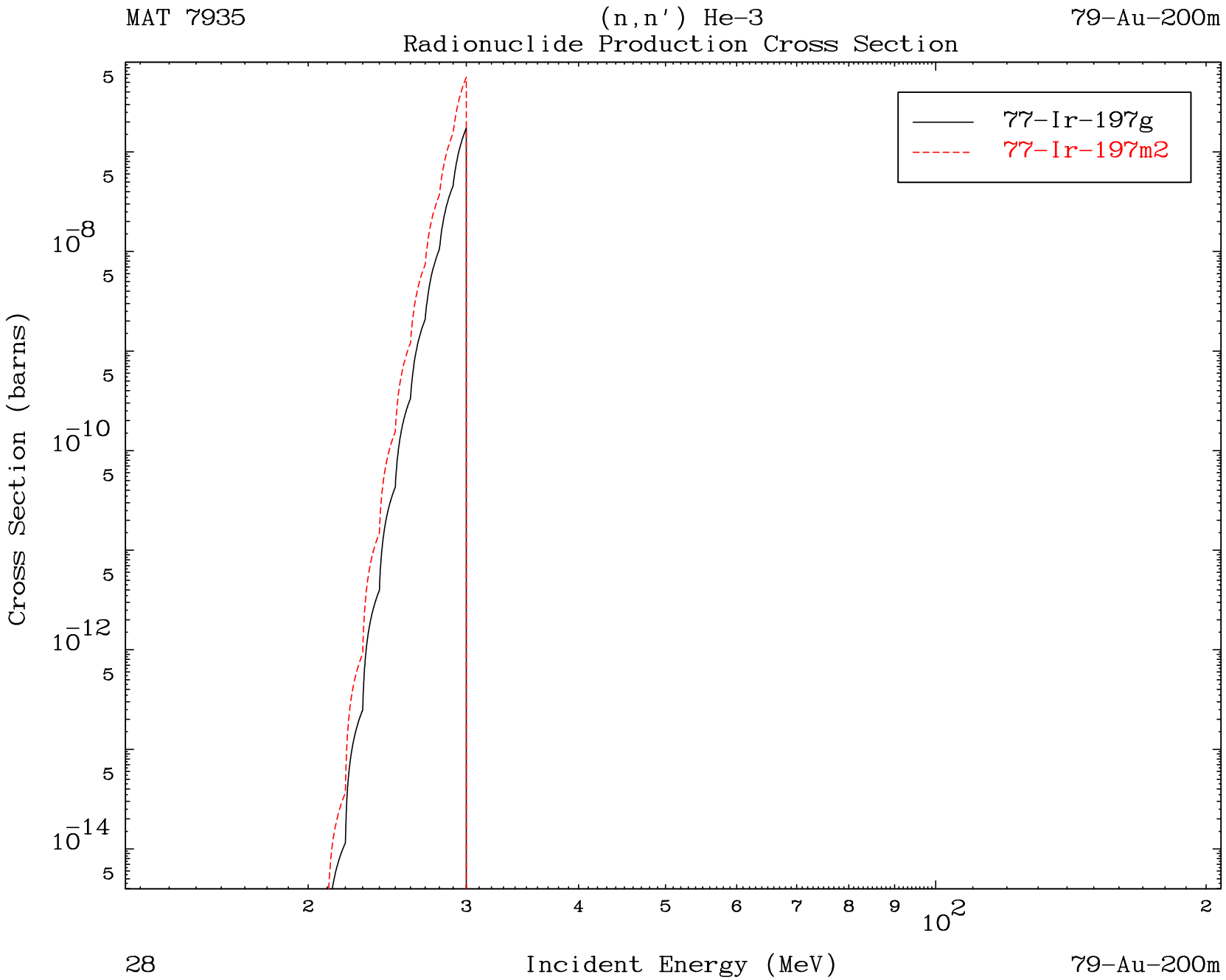

MAT 7935
(n,n') α
79-Au-200m
Radionuclide Production Cross Section
77-Ir-196g
77-Ir-196m4
Cross Section (barns)
Incident Energy (MeV)
23
79-Au-200m

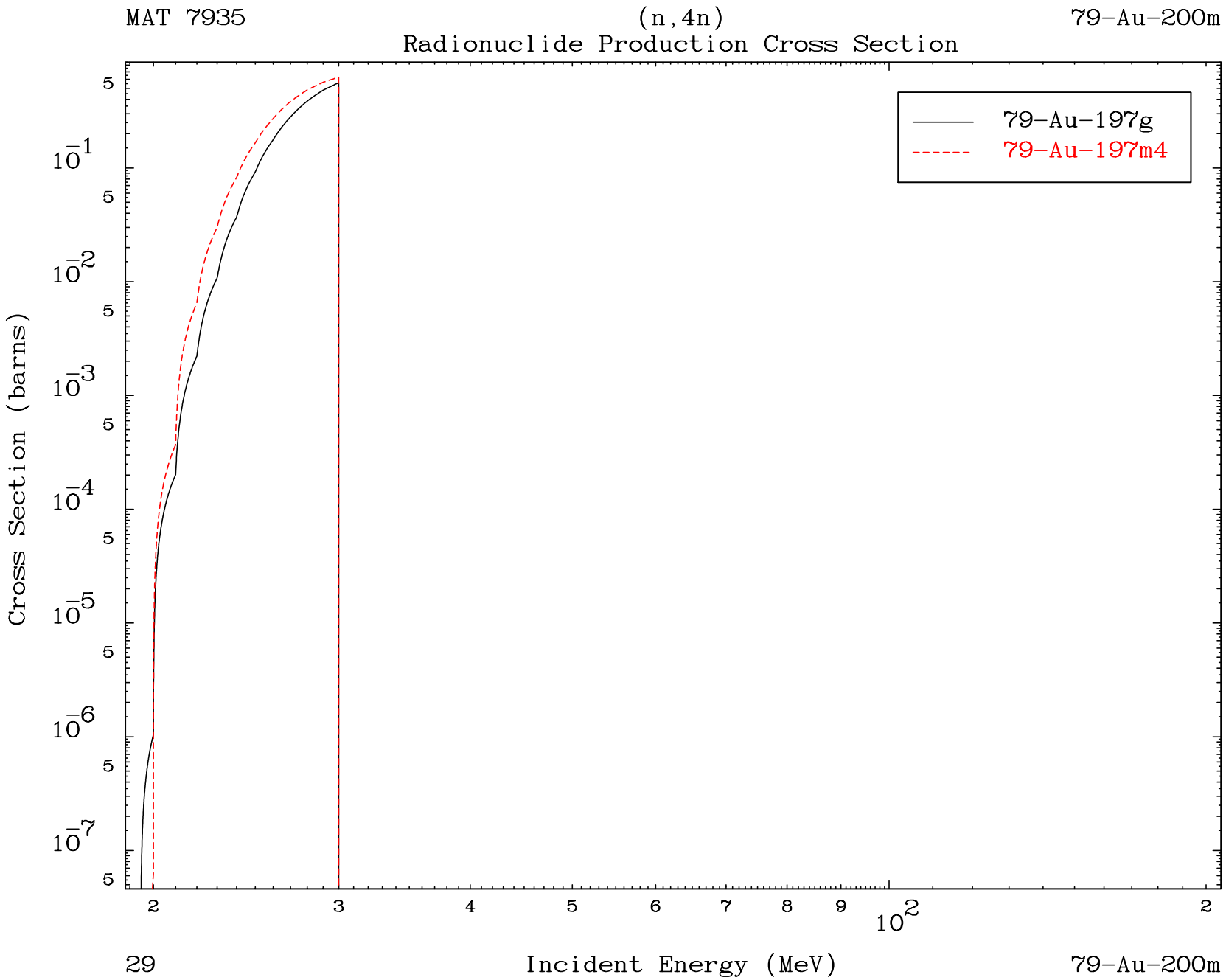

MAT 7935
(n,2n) α
79-Au-200m
Radionuclide Production Cross Section
77-Ir-195g
77-Ir-195m2
Cross Section (barns)
Incident Energy (MeV)
24
79-Au-200m

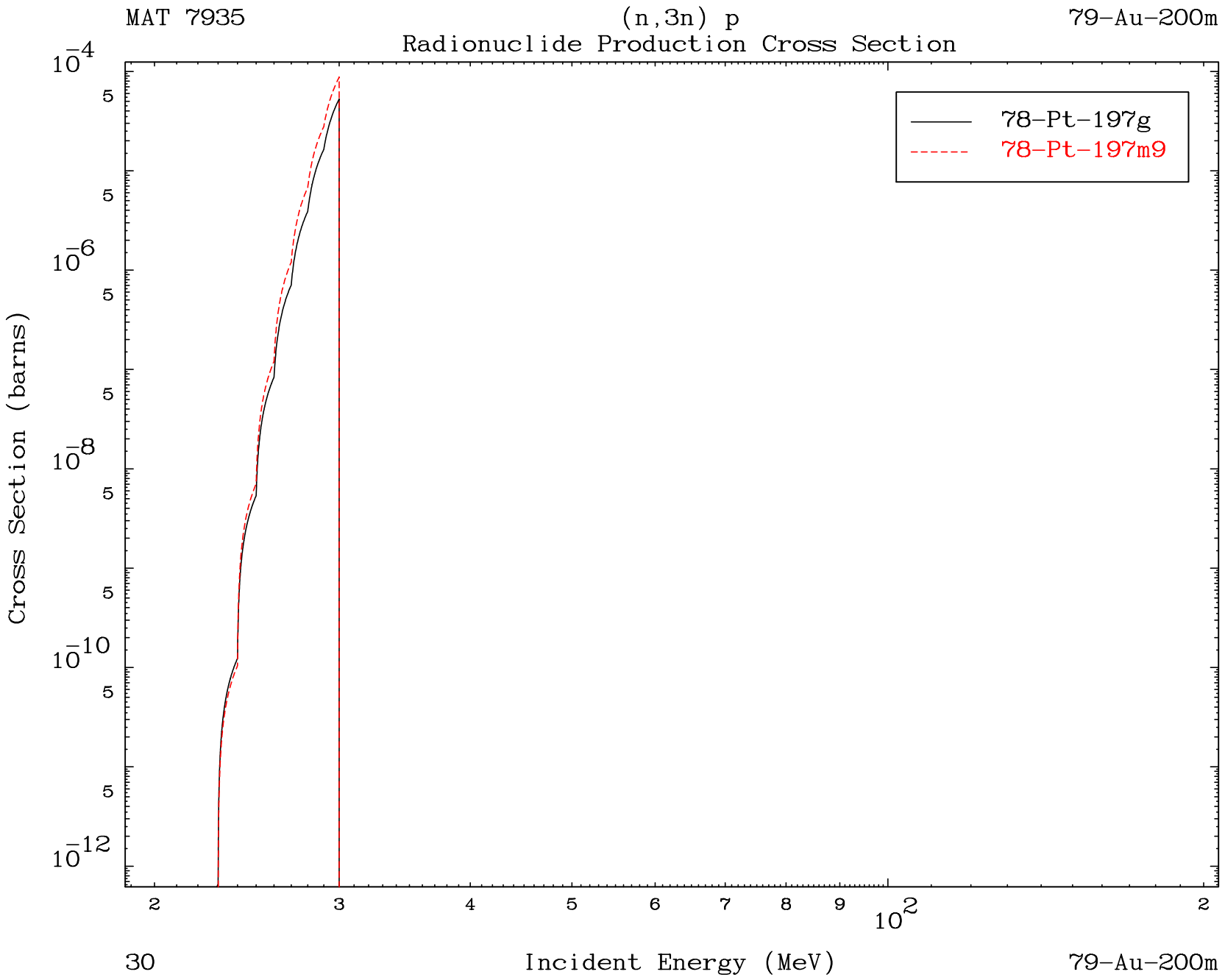

MAT 7935
(n,3n) α
79-Au-200m
Radionuclide Production Cross Section
77-Ir-194g
77-Ir-194m38
Cross Section (barns)
Incident Energy (MeV)
25
79-Au-200m

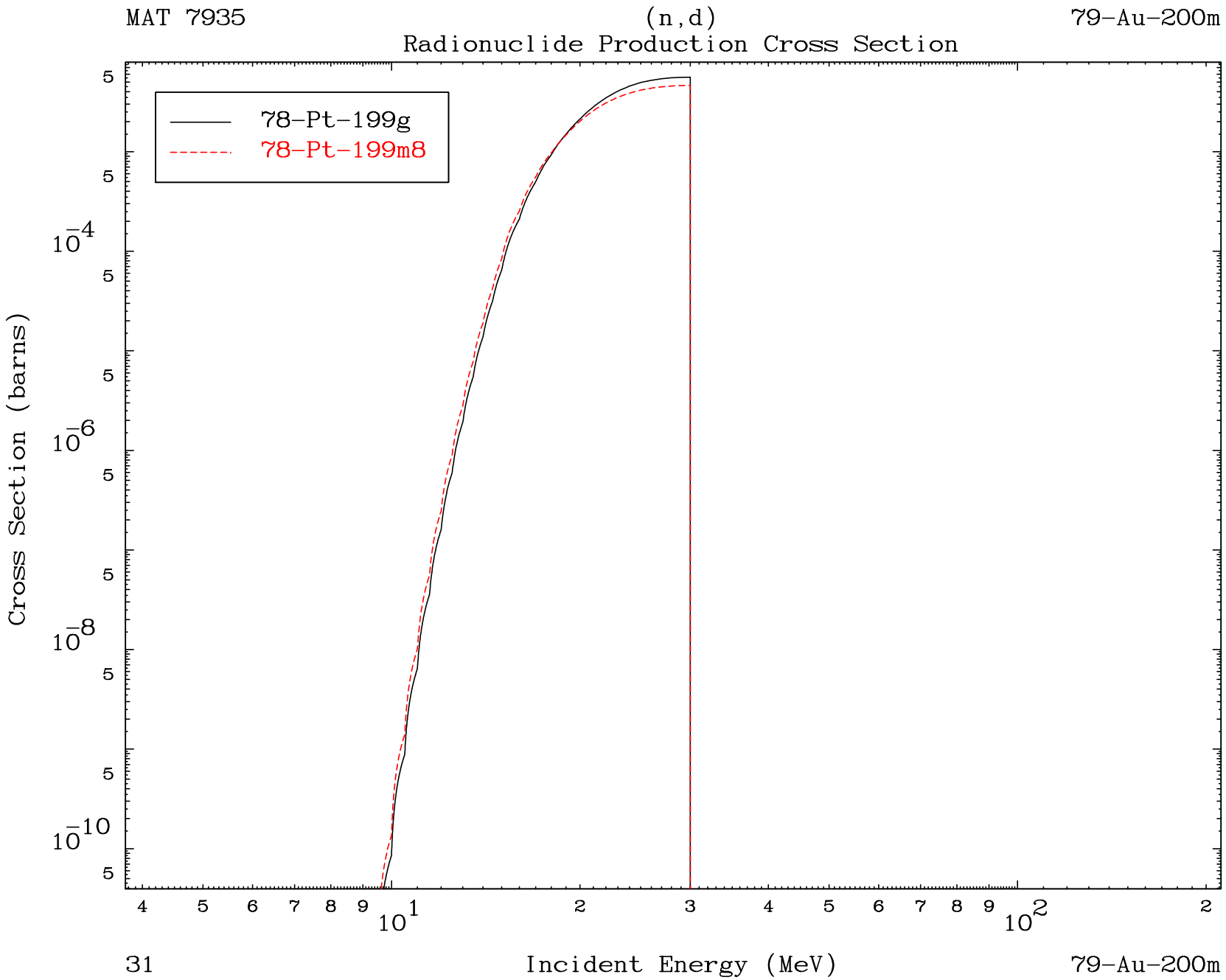

MAT 7935
(n,n') p
79-Au-200m
Radionuclide Production Cross Section
78-Pt-199g
78-Pt-199m8
Cross Section (barns)
Incident Energy (MeV)
26
79-Au-200m

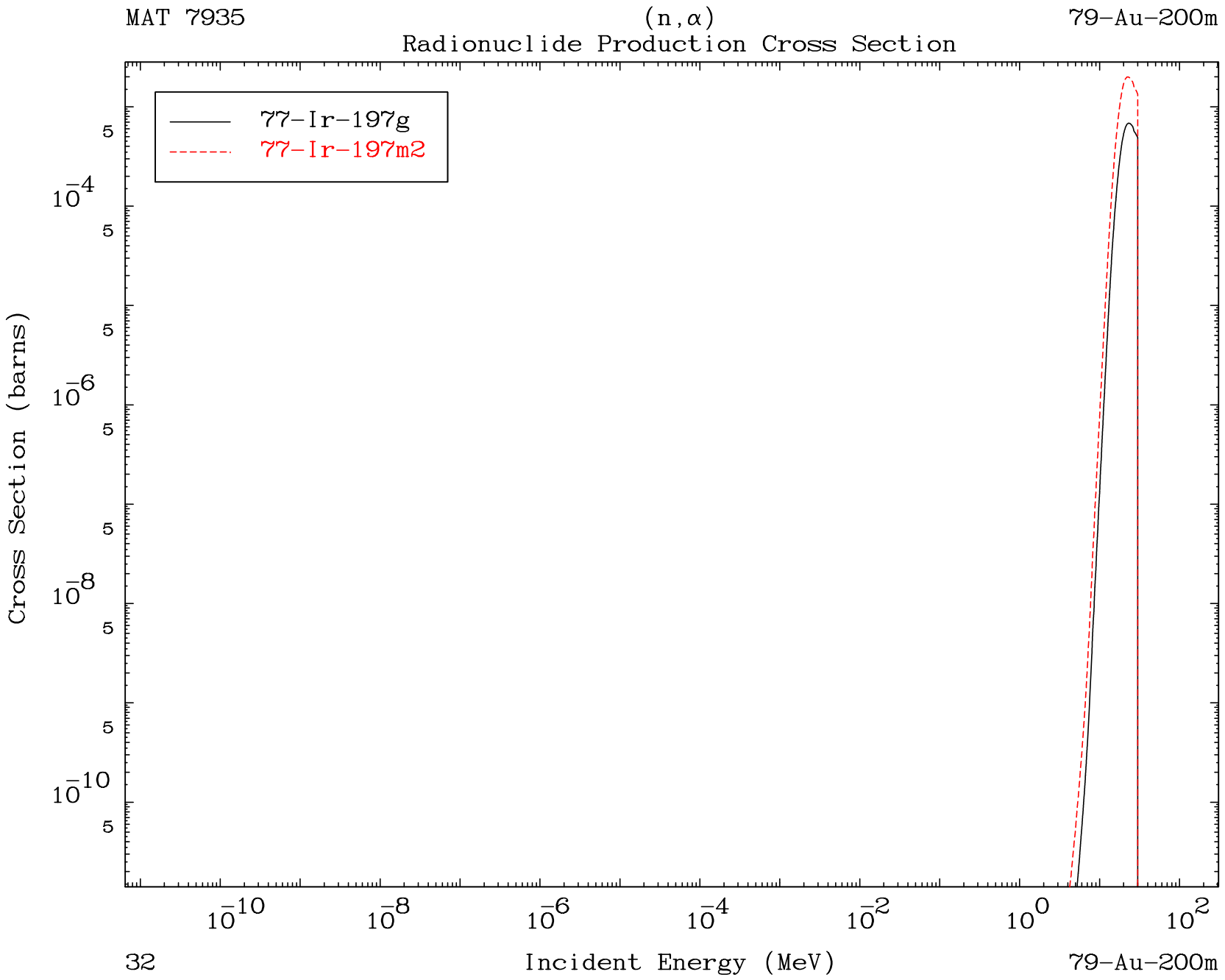

MAT 7935
(n,n') t
79-Au-200m
Radionuclide Production Cross Section
78-Pt-197g
78-Pt-197m9
Cross Section (barns)
10-4
10-6
10-8
10-10
2
3
4
5
6
7
8
9
10 2
2
27
Incident Energy (MeV)
79-Au-200m


MAT 7935
(n,n') He-3
79-Au-200m
Radionuclide Production Cross Section
77-Ir-197g
77-Ir-197m2
Cross Section (barns)
Incident Energy (MeV)
28
79-Au-200m


MAT 7935
(n,4n)
79-Au-200m
Radionuclide Production Cross Section
79-Au-197g
79-Au-197m4
Cross Section (barns)
Incident Energy (MeV)
29
79-Au-200m


MAT 7935
(n,3n) p
79-Au-200m
Radionuclide Production Cross Section
78-Pt-197g
78-Pt-197m9
Cross Section (barns)
Incident Energy (MeV)
30
79-Au-200m


MAT 7935
(n,d)
79-Au-200m
Radionuclide Production Cross Section
78-Pt-199g
78-Pt-199m8
Cross Section (barns)
Incident Energy (MeV)
31
79-Au-200m


MAT 7935
(n,α)
79-Au-200m
Radionuclide Production Cross Section
77-Ir-197g
77-Ir-197m2
Cross Section (barns)
Incident Energy (MeV)
32
79-Au-200m