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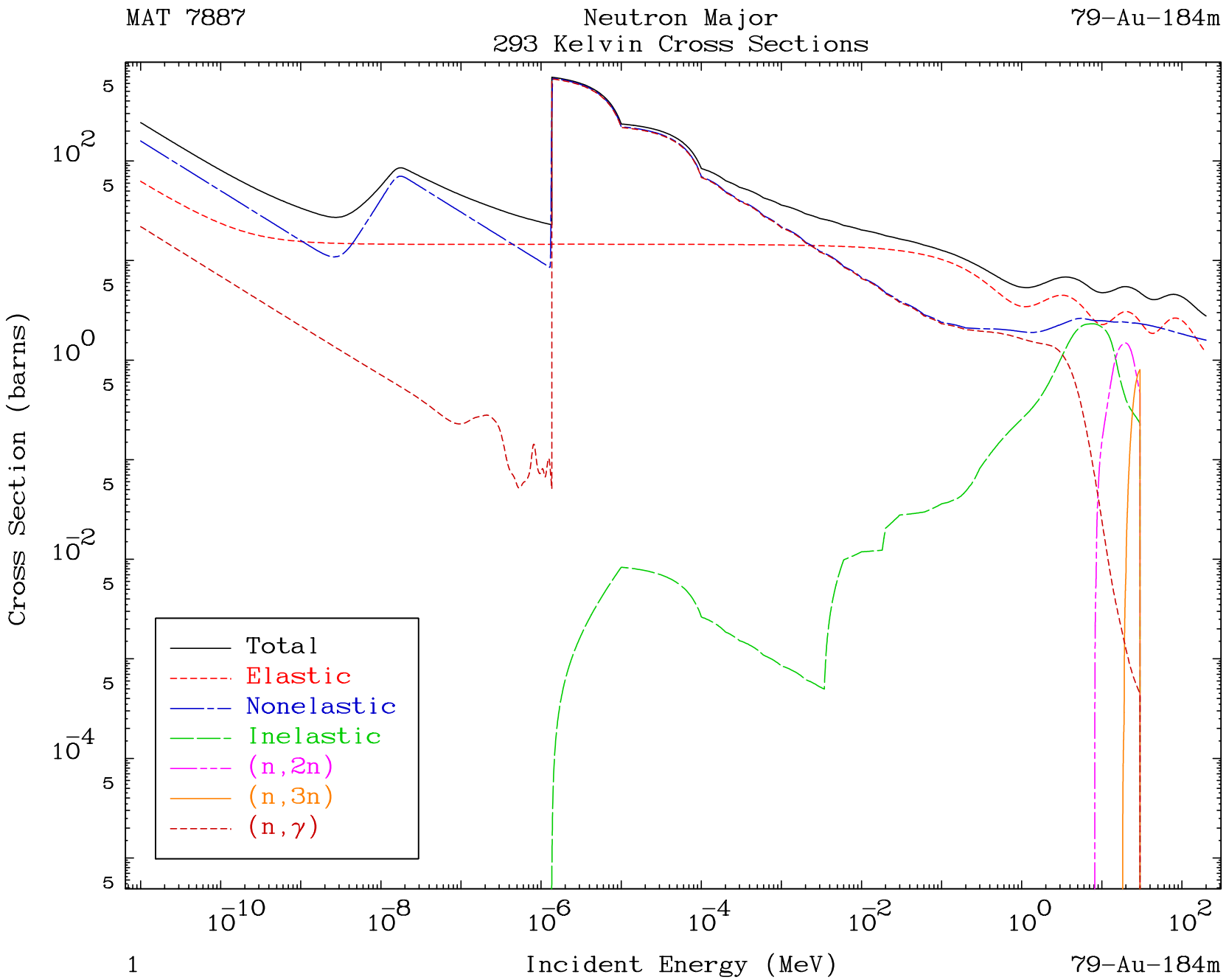
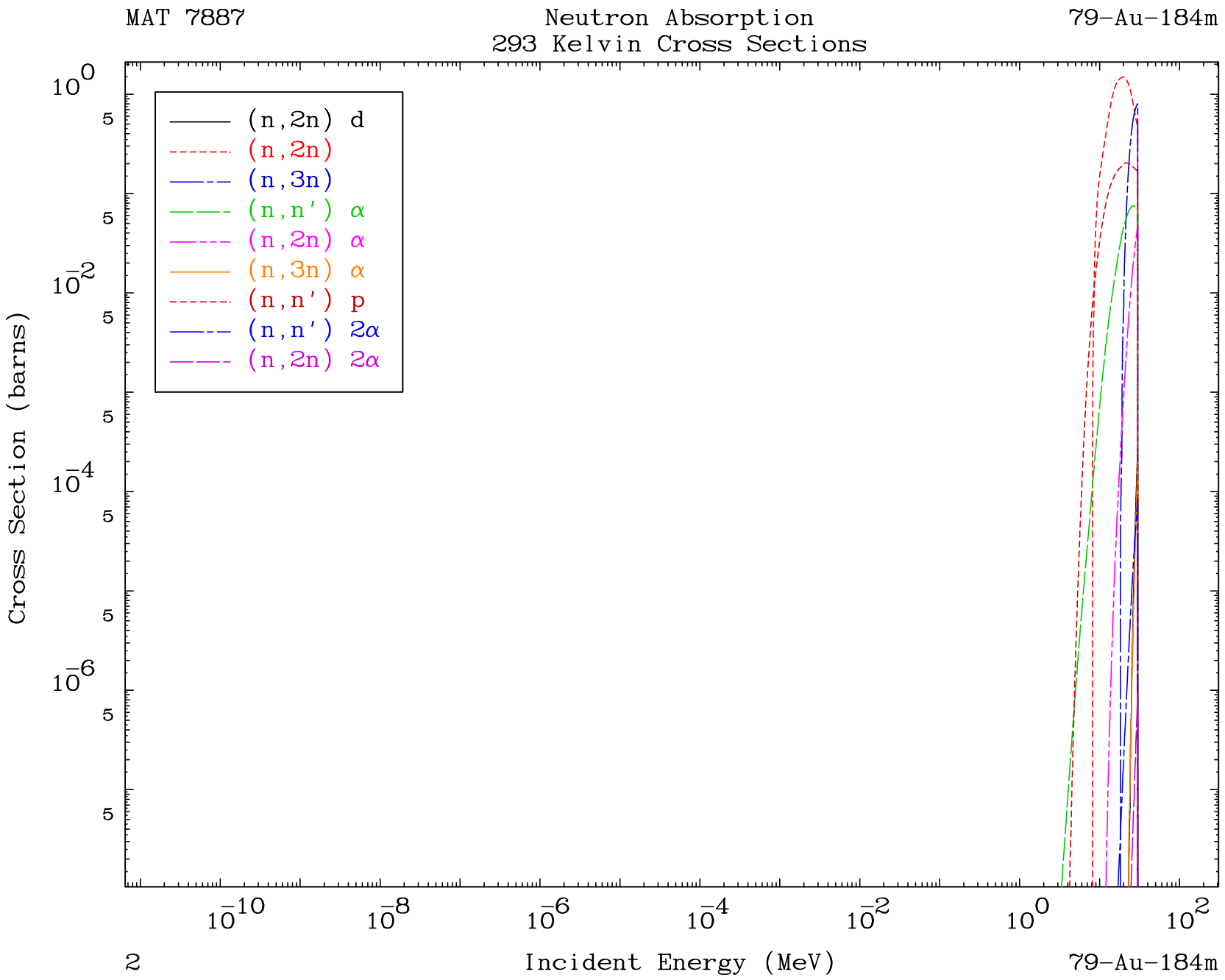
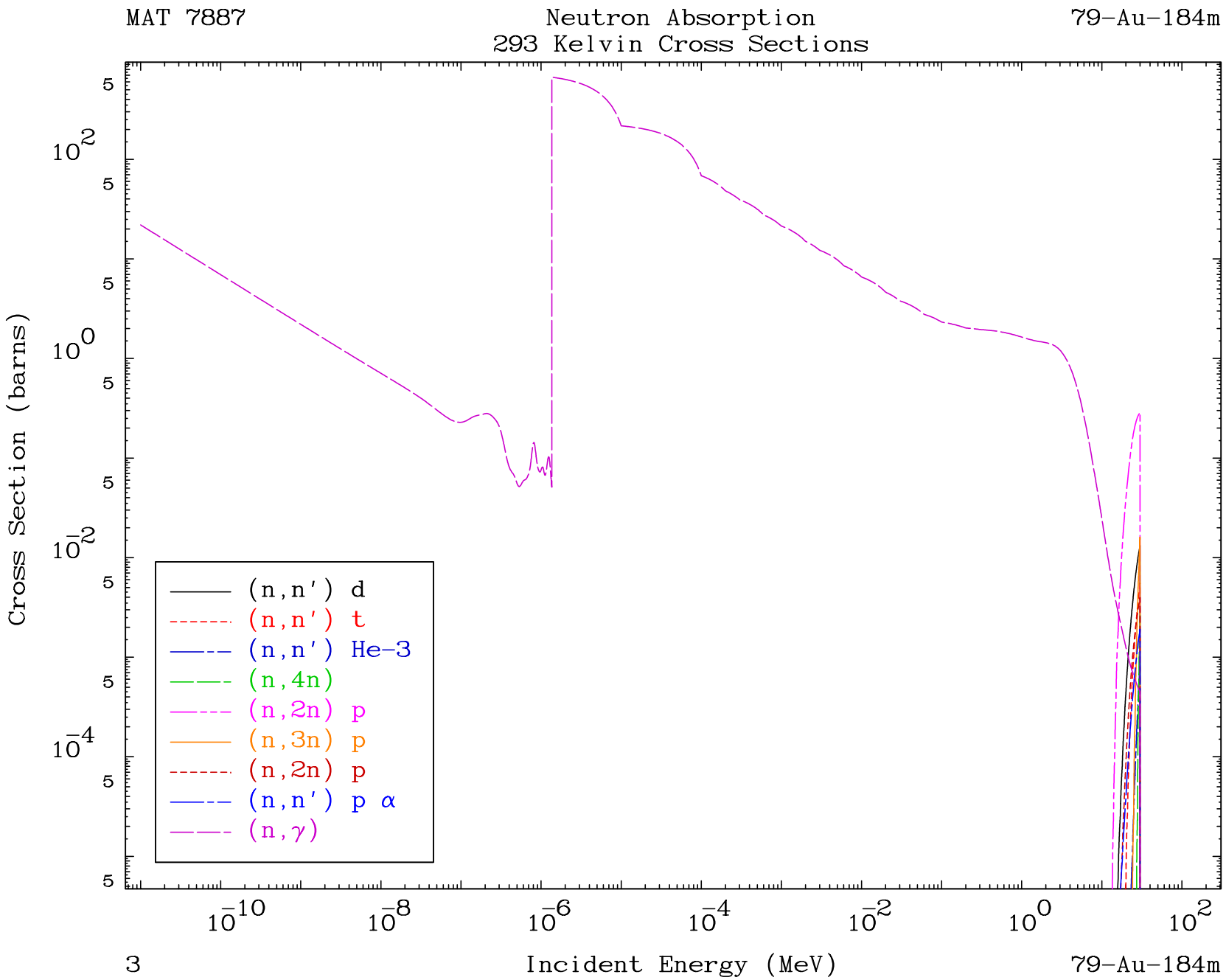
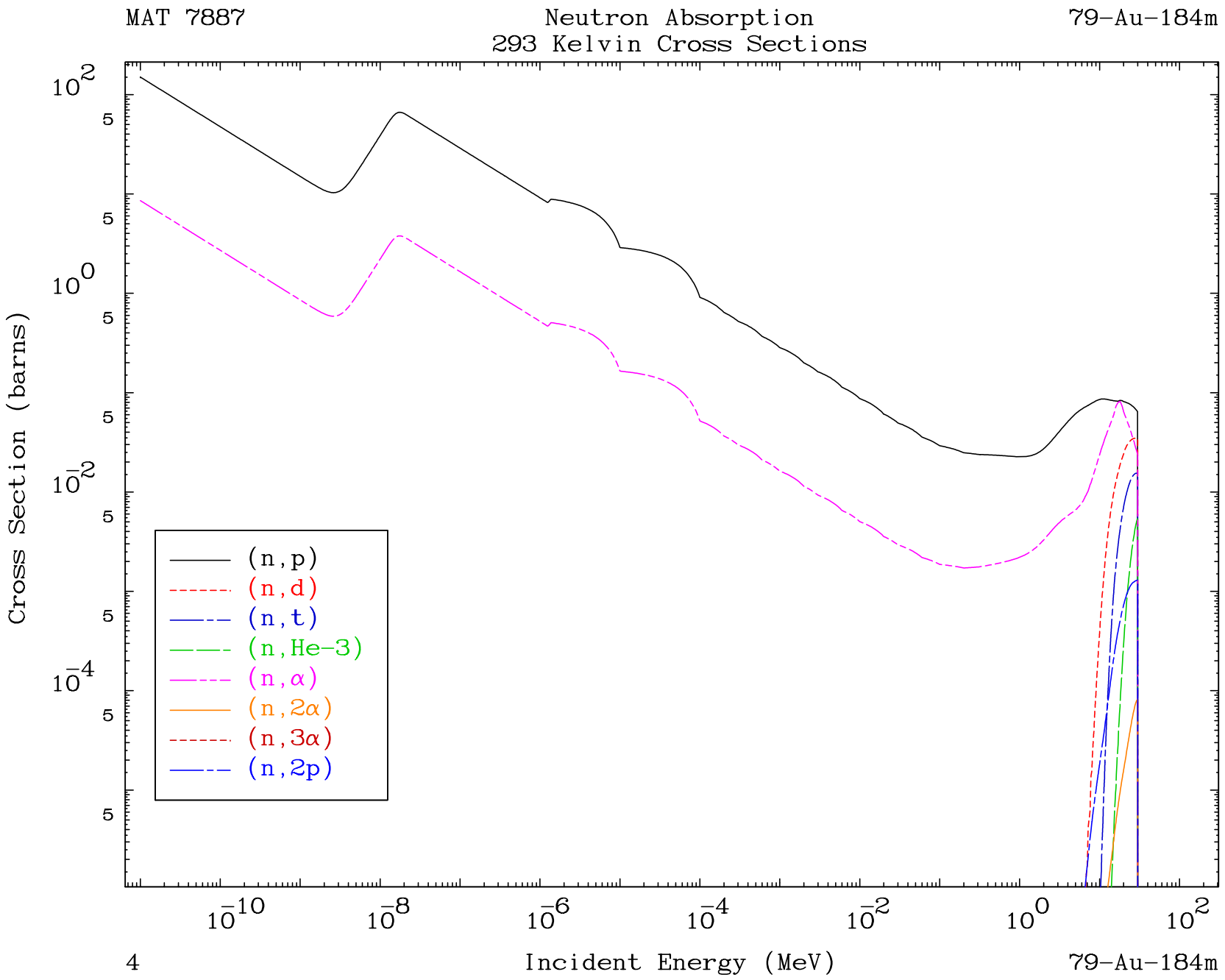
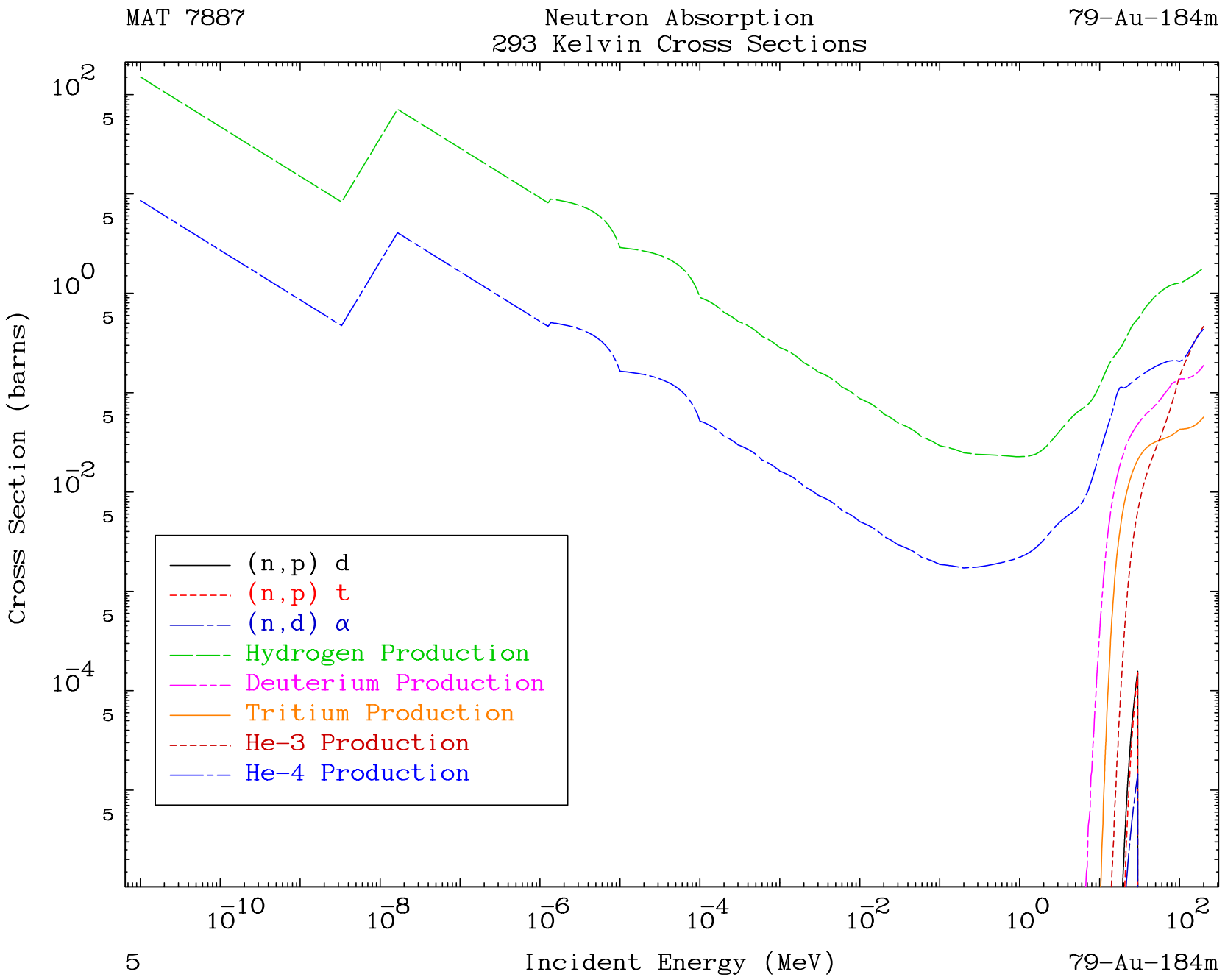
Press Mouse Button to Start

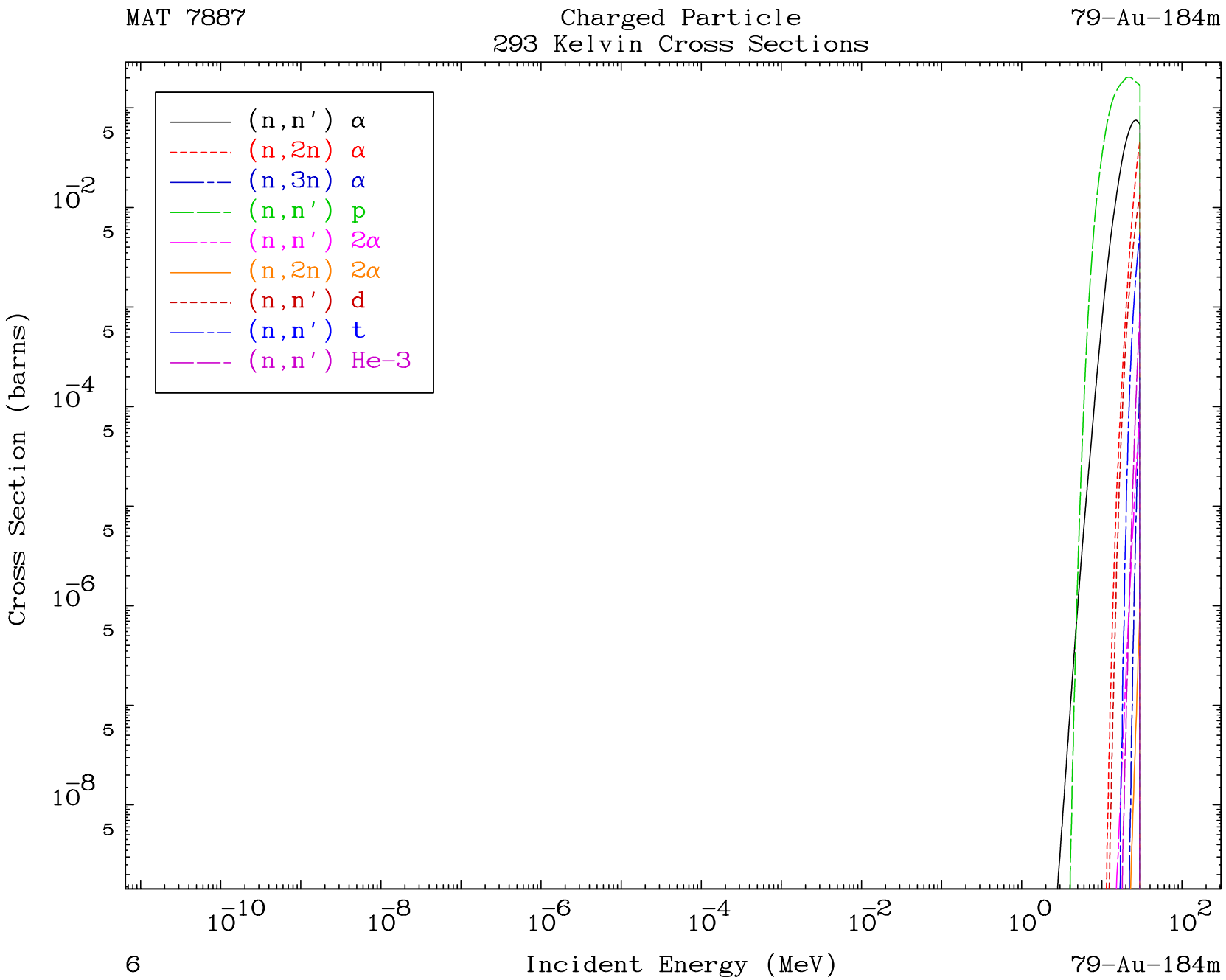

MAT 7887
Neutron Major
293 Kelvin Cross Sections
79-Au-184m
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
79-Au-184m

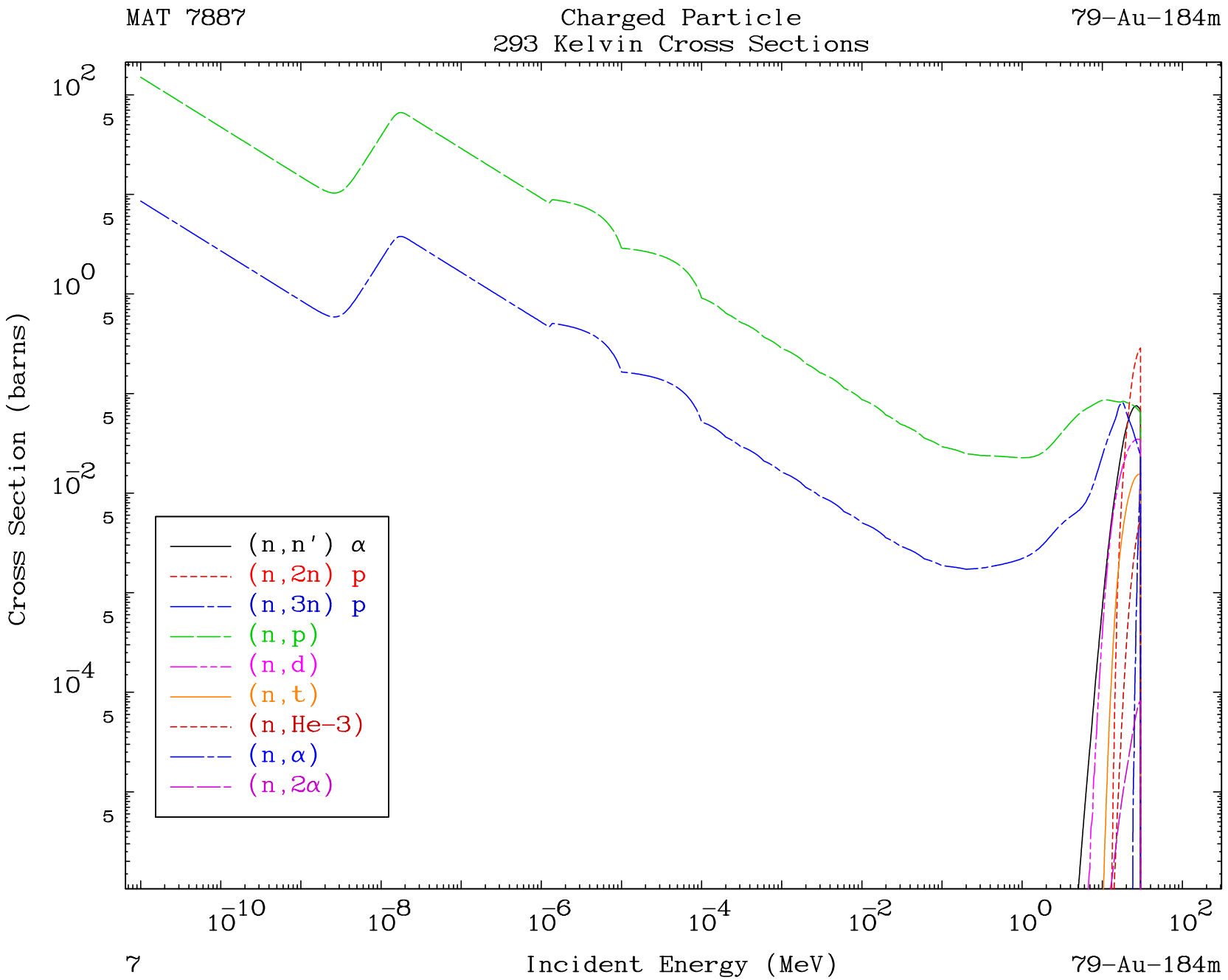

MAT 7887
Neutron Absorption
293 Kelvin Cross Sections
79-Au-184m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
Cross Section (barns)
Incident Energy (MeV)
2
79-Au-184m

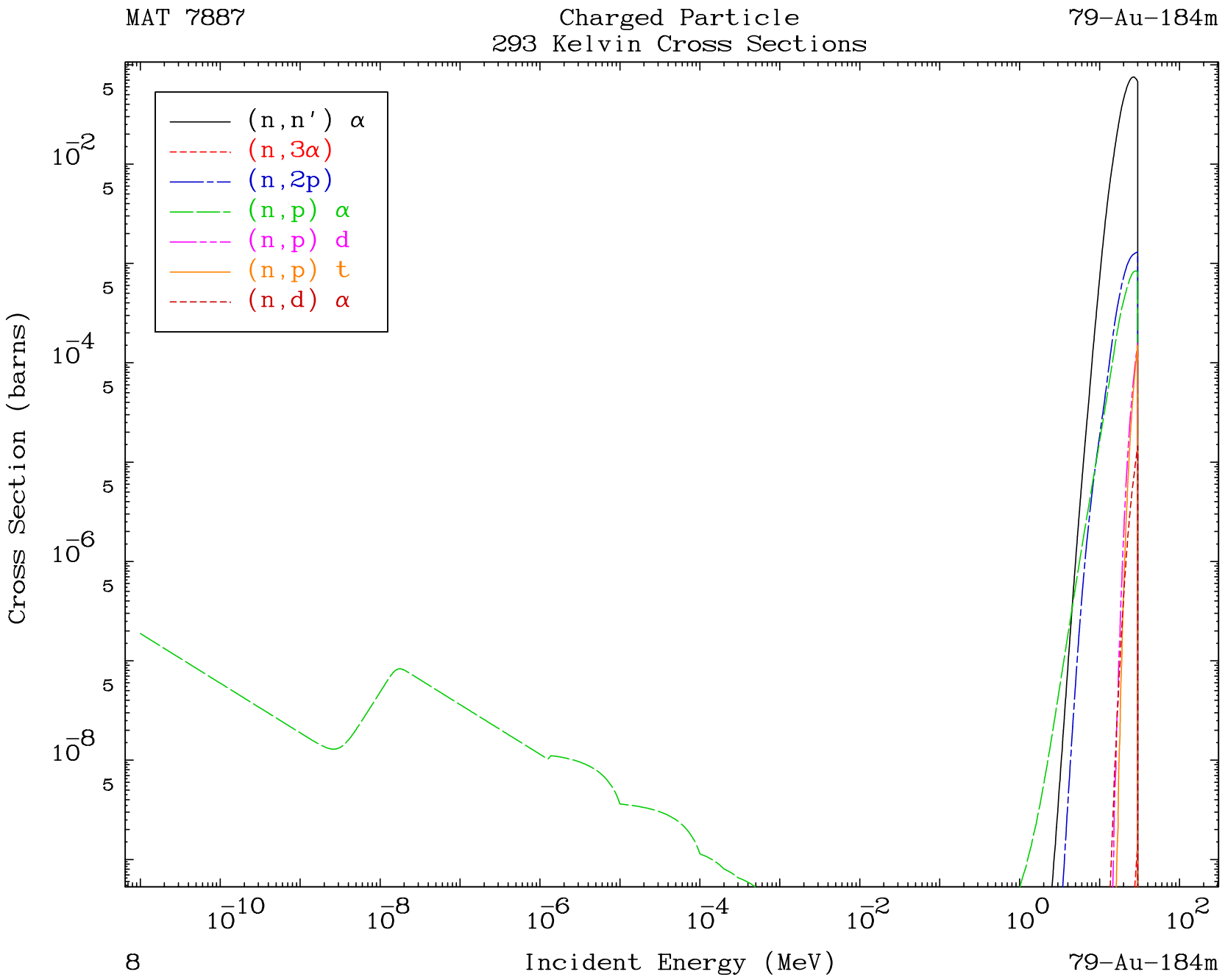

MAT 7887
Neutron Absorption
293 Kelvin Cross Sections
79-Au-184m
Cross Section (barns)
Incident Energy (MeV)
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
3
79-Au-184m

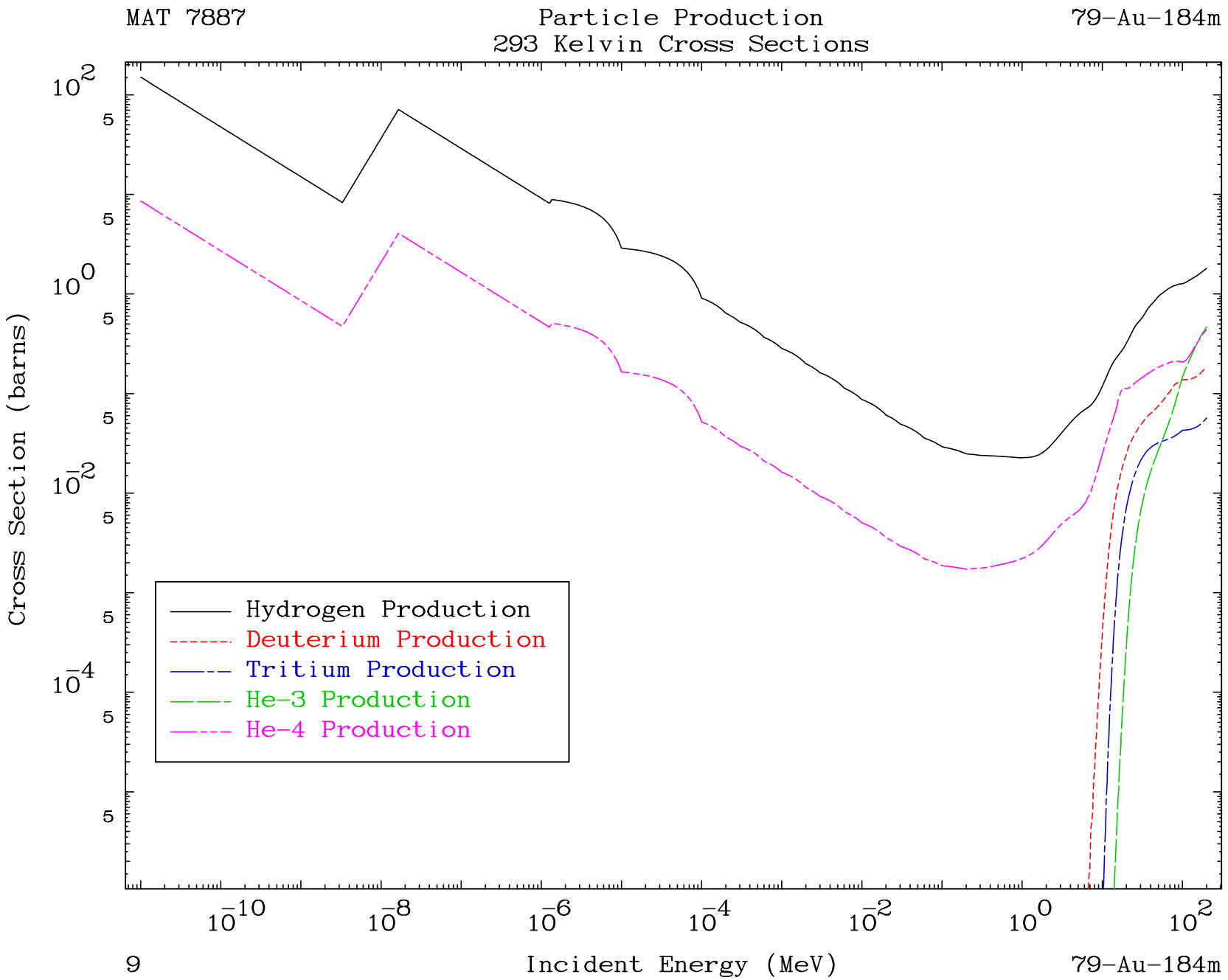

MAT 7887
Neutron Absorption
293 Kelvin Cross Sections
79-Au-184m
Cross Section (barns)
Incident Energy (MeV)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
4
79-Au-184m

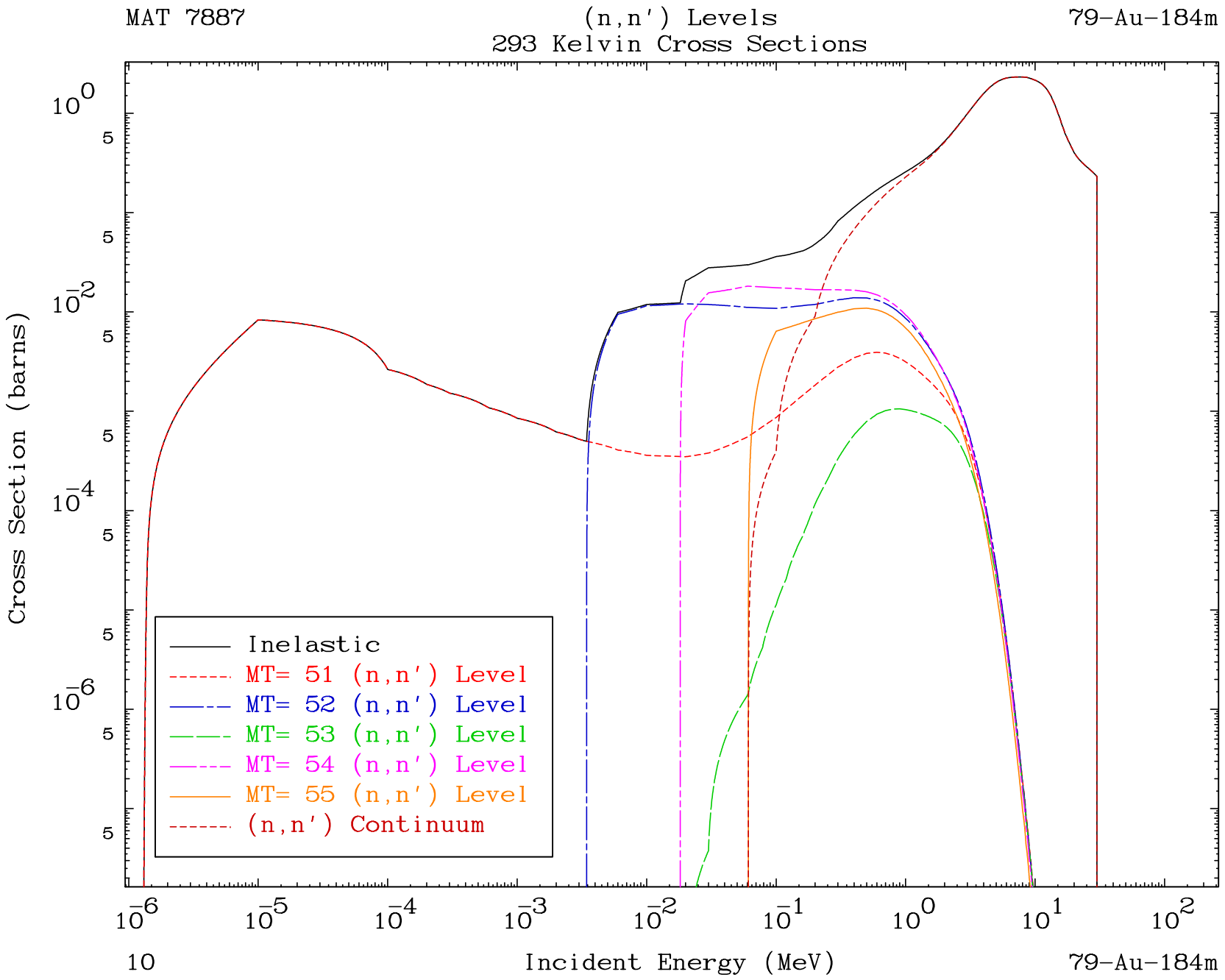

MAT 7887
Neutron Absorption
293 Kelvin Cross Sections
79-Au-184m
Cross Section (barns)
Incident Energy (MeV)
79-Au-184m
5
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

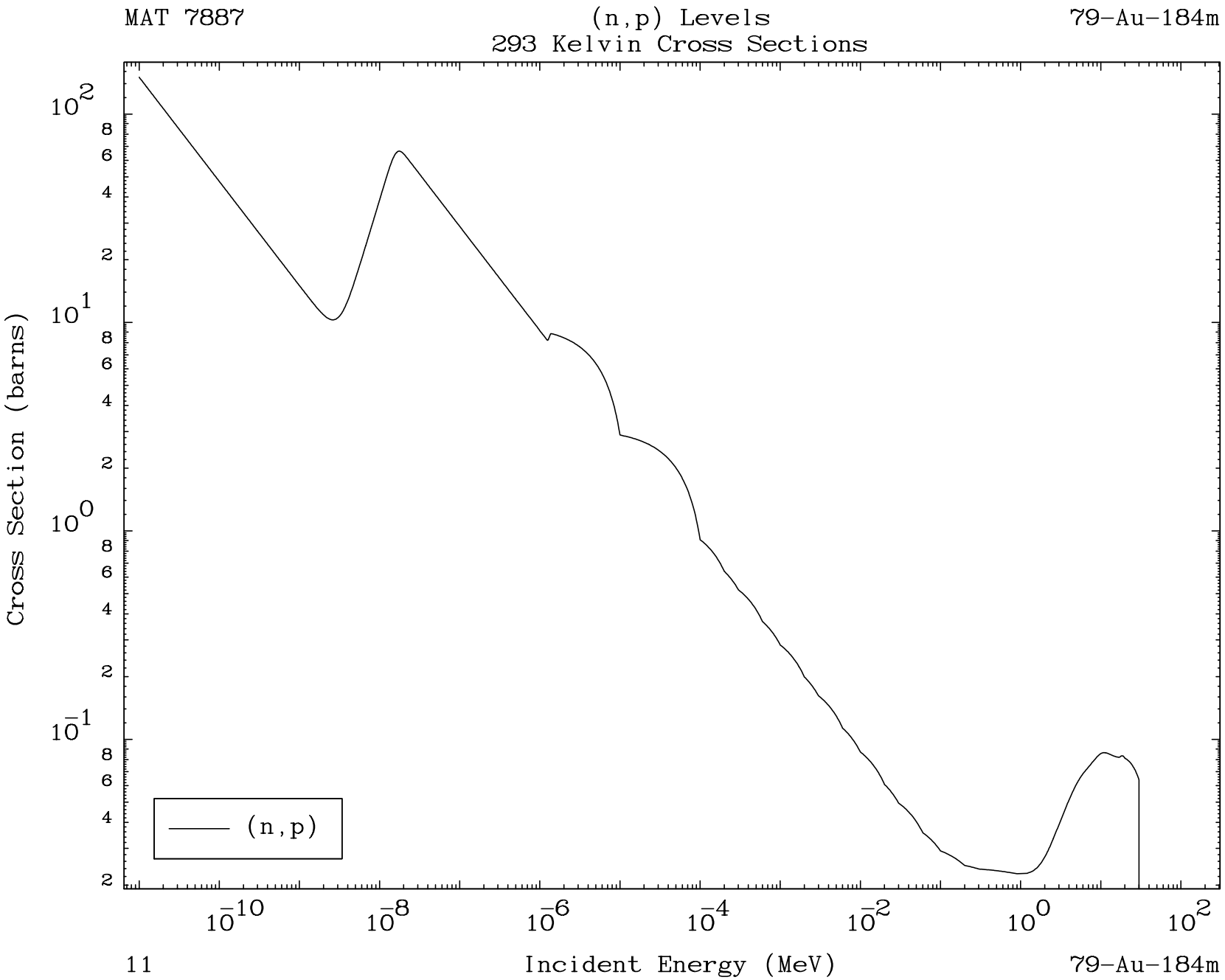

MAT 7887
Charged Particle
293 Kelvin Cross Sections
79-Au-184m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
79-Au-184m
6

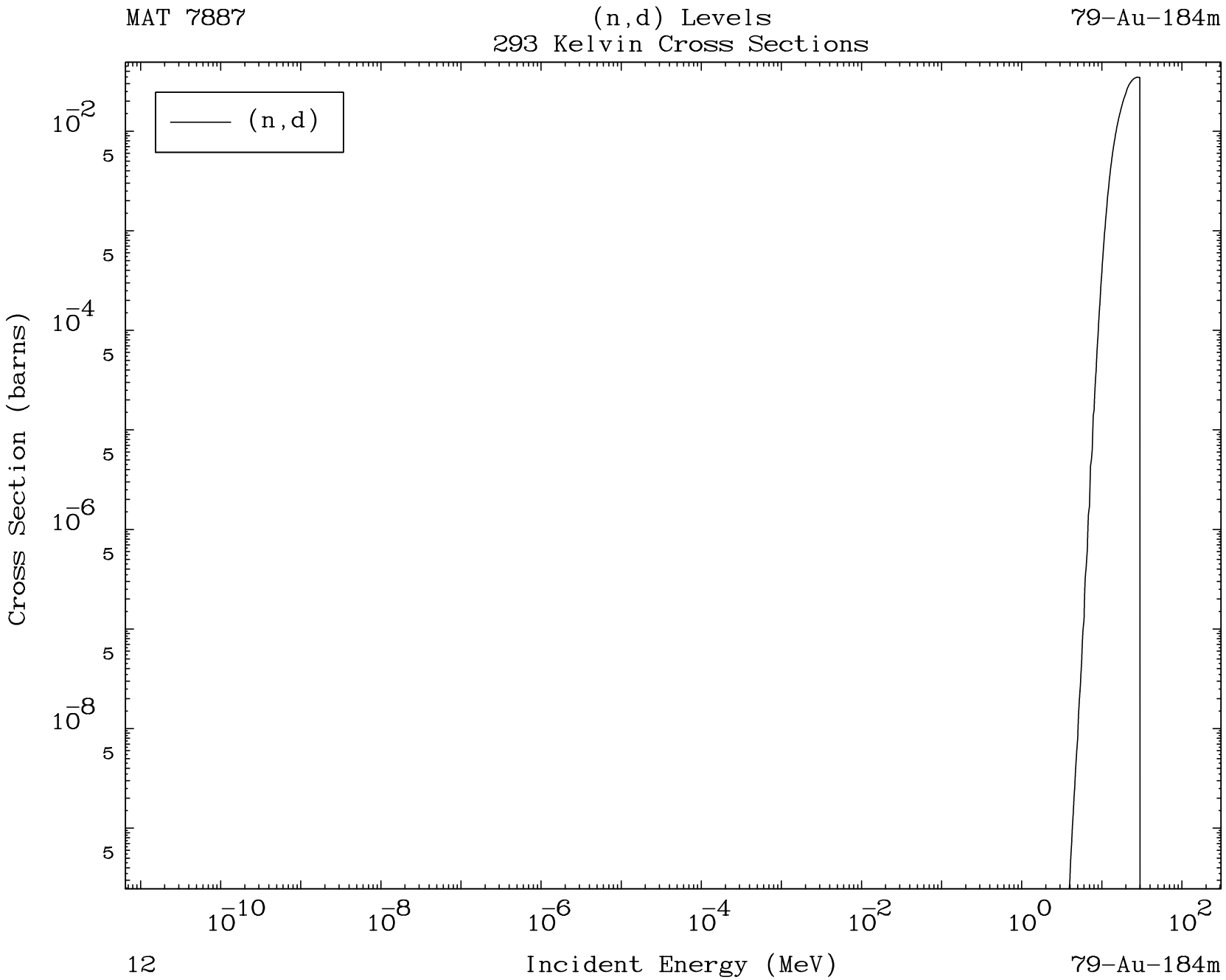

MAT 7887
Charged Particle
293 Kelvin Cross Sections
79-Au-184m
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
7
79-Au-184m

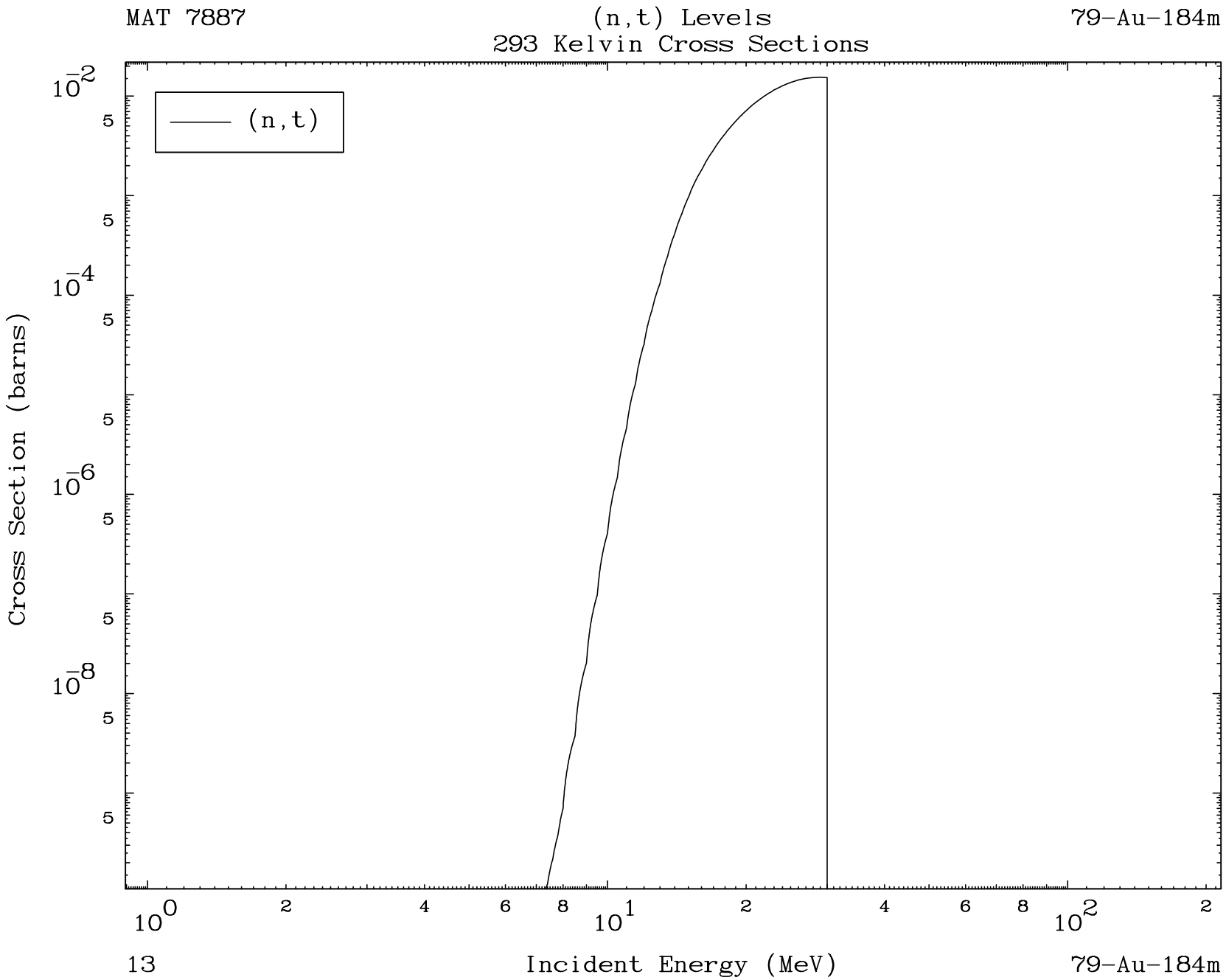

MAT 7887
Charged Particle
293 Kelvin Cross Sections
79-Au-184m
(n,n') α
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
8
79-Au-184m

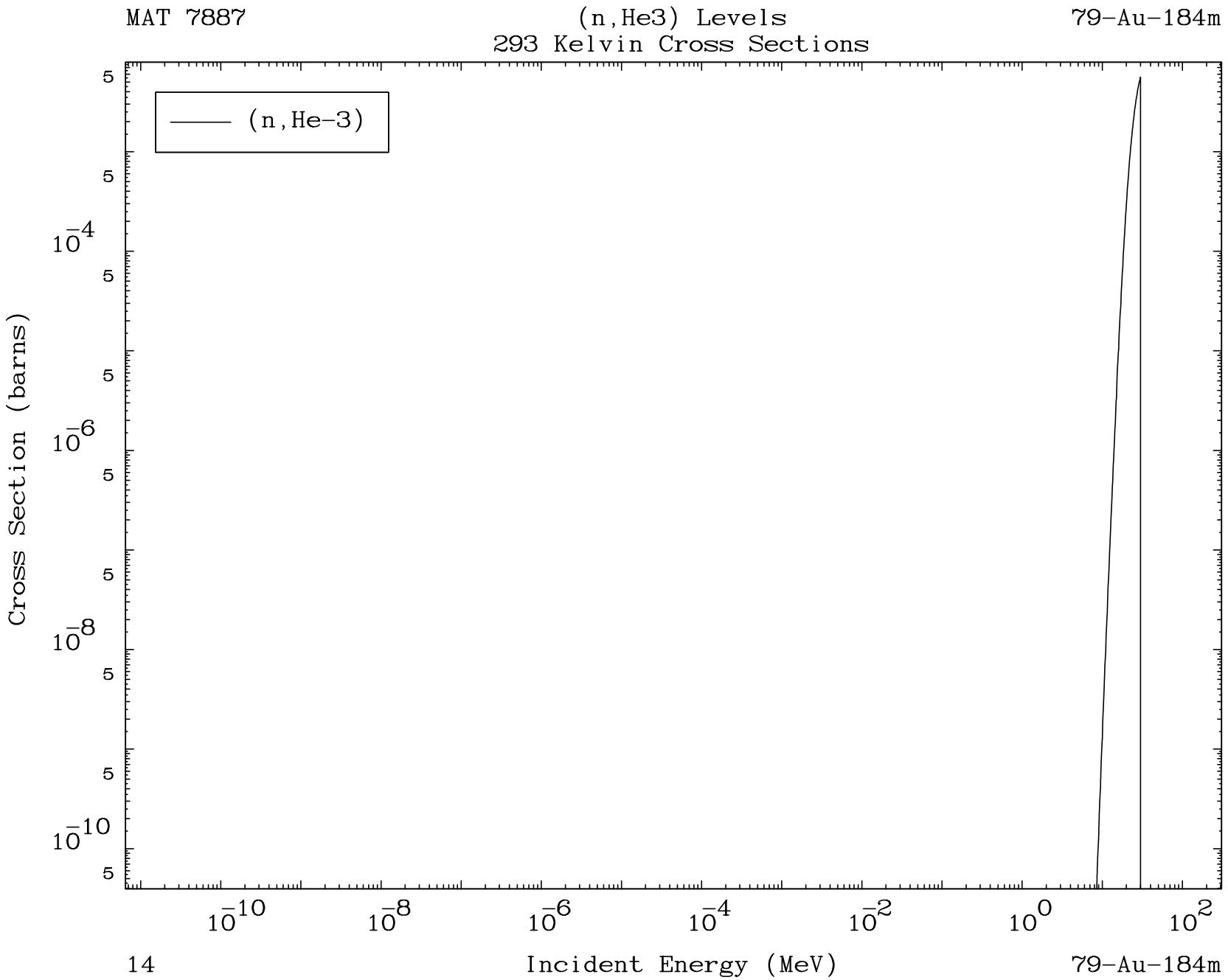

MAT 7887
Particle Production
293 Kelvin Cross Sections
79-Au-184m
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
9
79-Au-184m

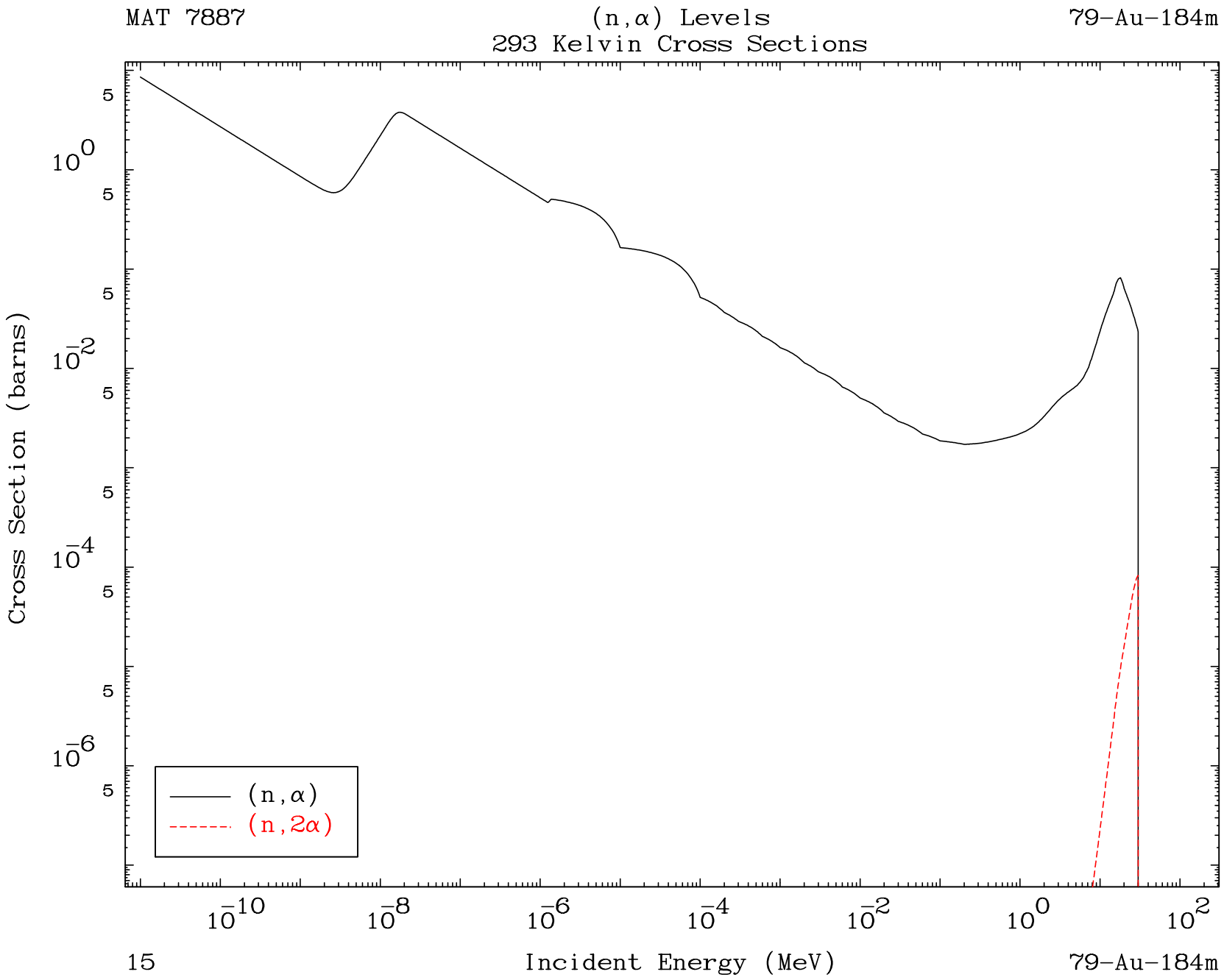

MAT 7887
(n,n') Levels
293 Kelvin Cross Sections
79-Au-184m
Cross Section (barns)
Incident Energy (MeV)
79-Au-184m
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
(n,n') Continuum

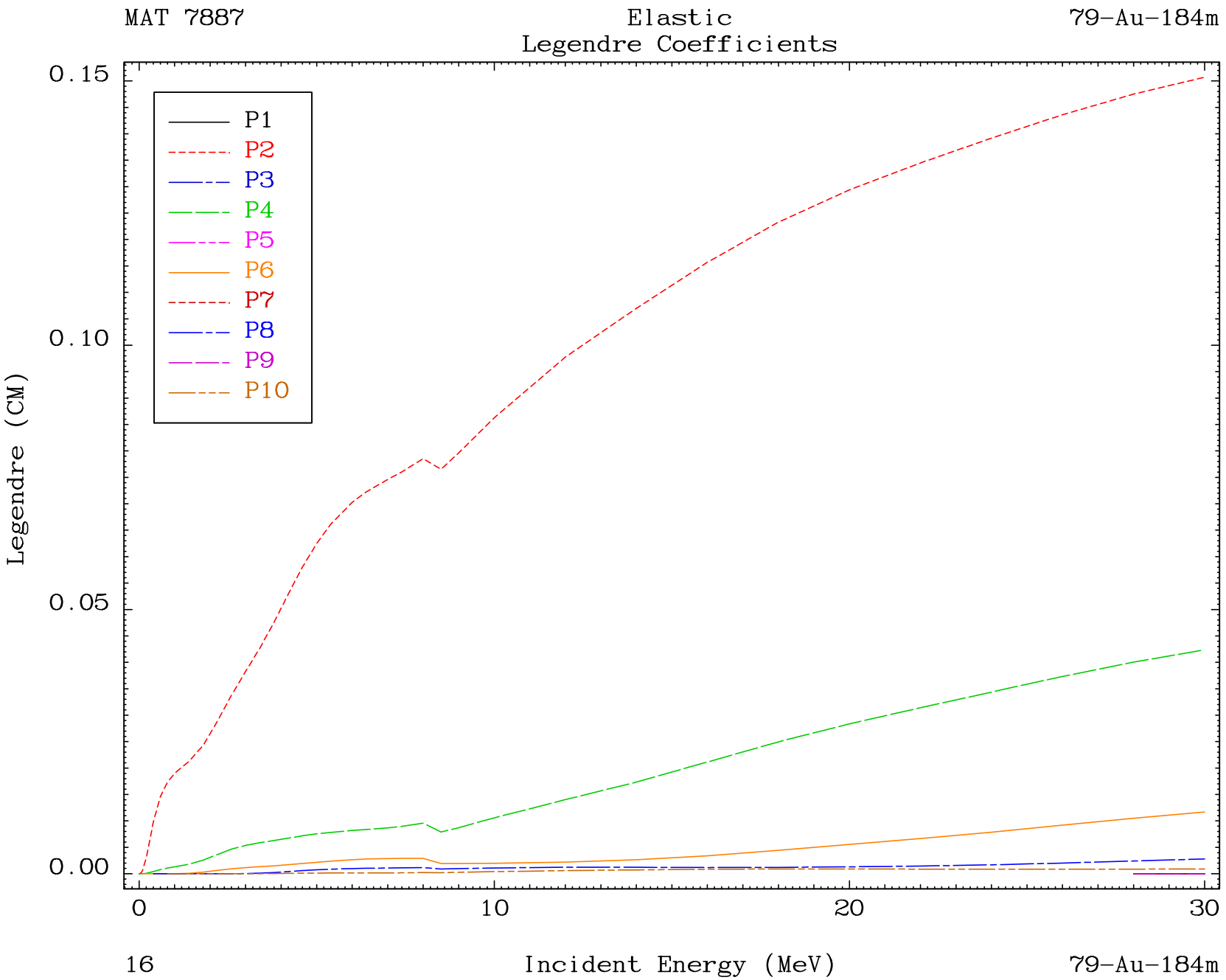

MAT 7887
(n,p) Levels
79-Au-184m
293 Kelvin Cross Sections
Cross Section (barns)
(n,p)
Incident Energy (MeV)
11
79-Au-184m

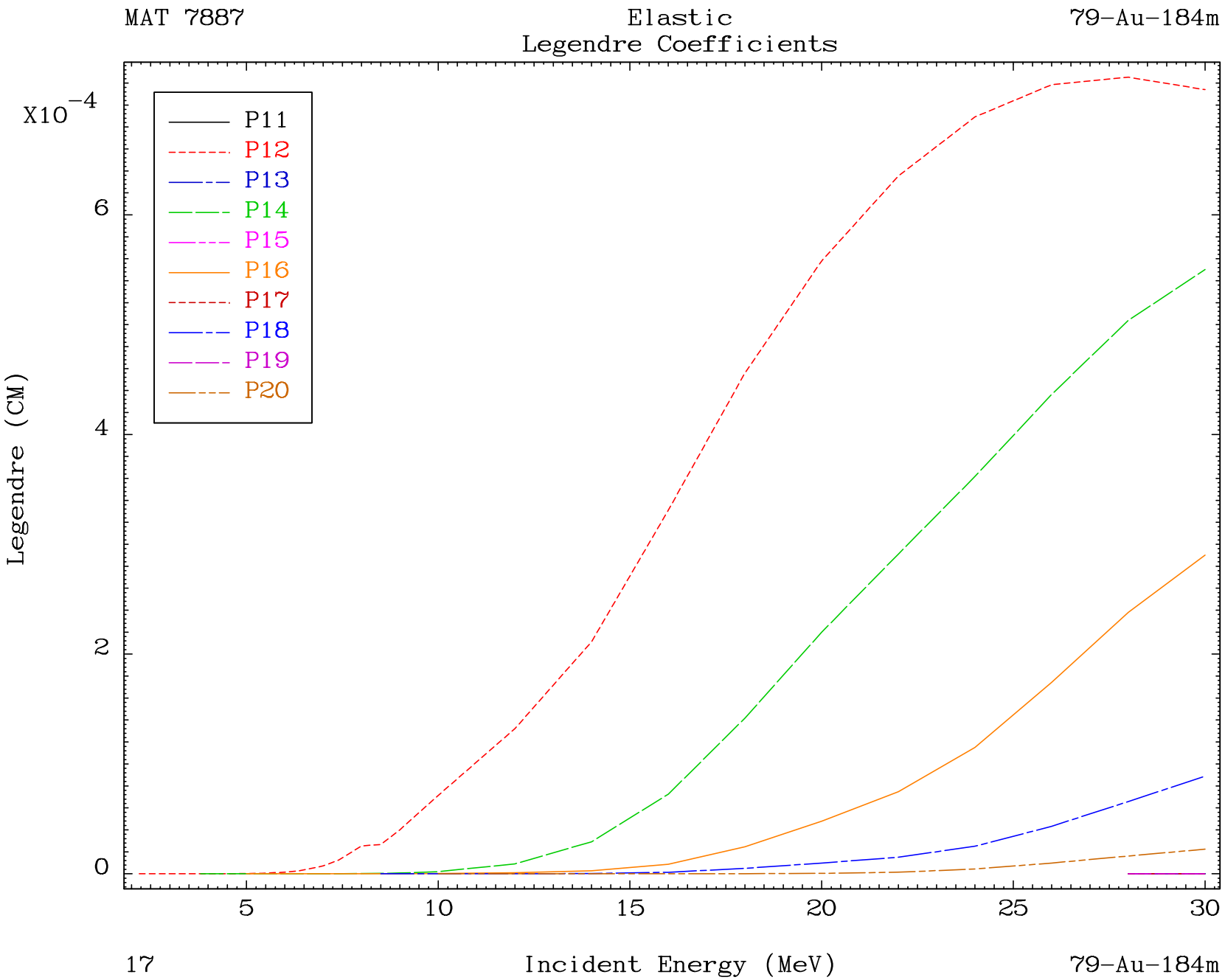

MAT 7887
(n,d) Levels
293 Kelvin Cross Sections
79-Au-184m
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12
79-Au-184m

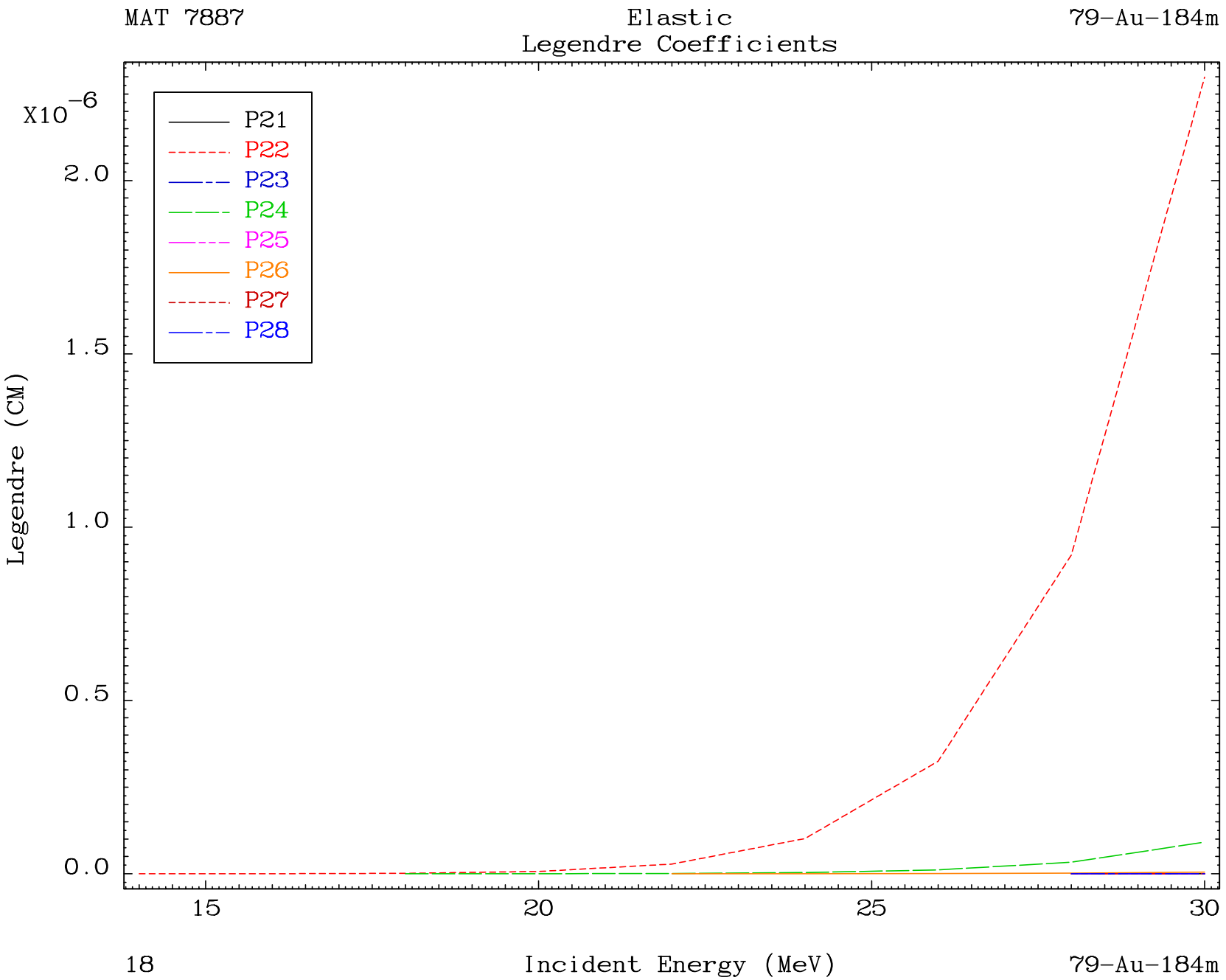

MAT 7887
(n,t) Levels
79-Au-184m
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
13
79-Au-184m

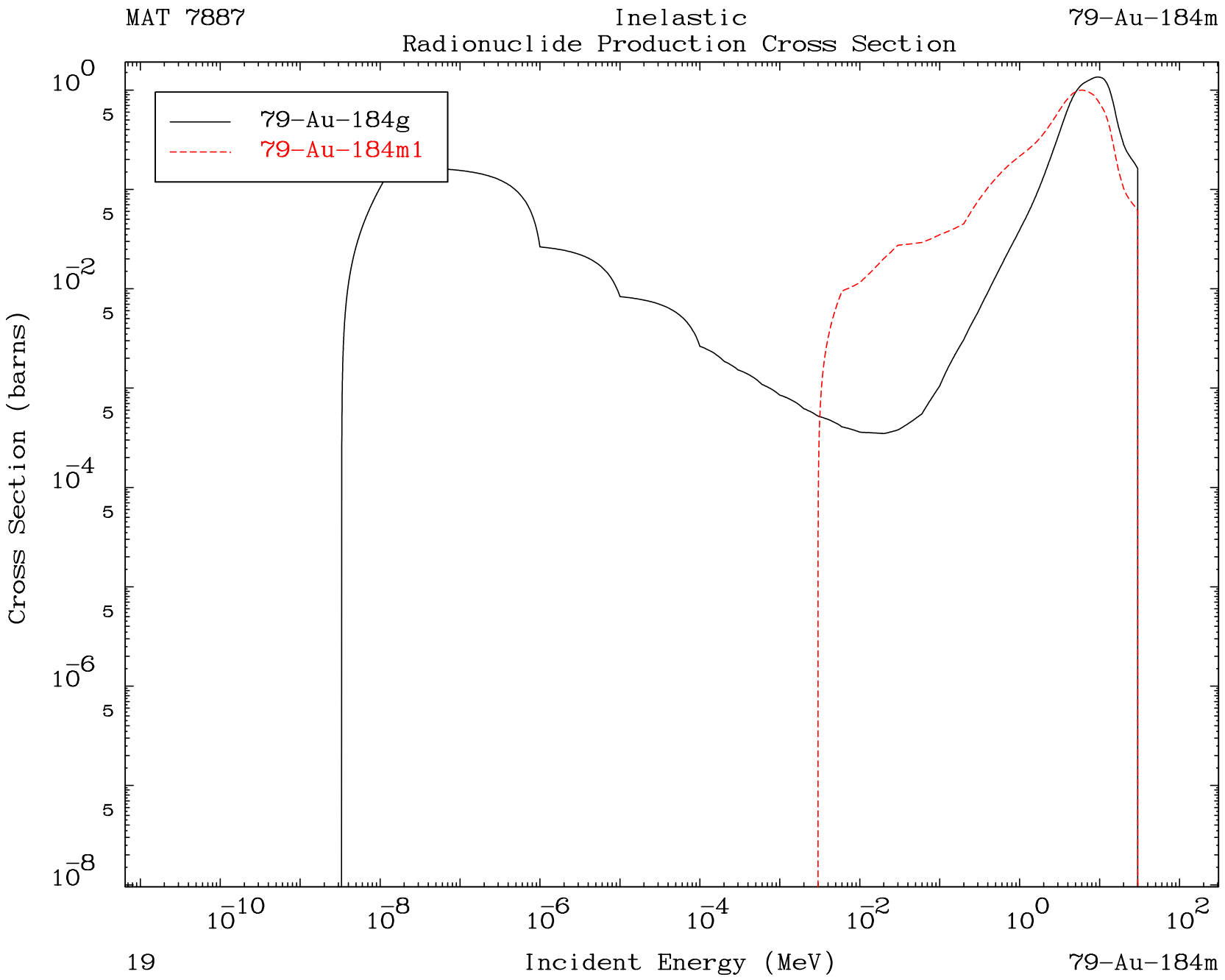

MAT 7887
(n,He3) Levels
293 Kelvin Cross Sections
79-Au-184m
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
14
79-Au-184m

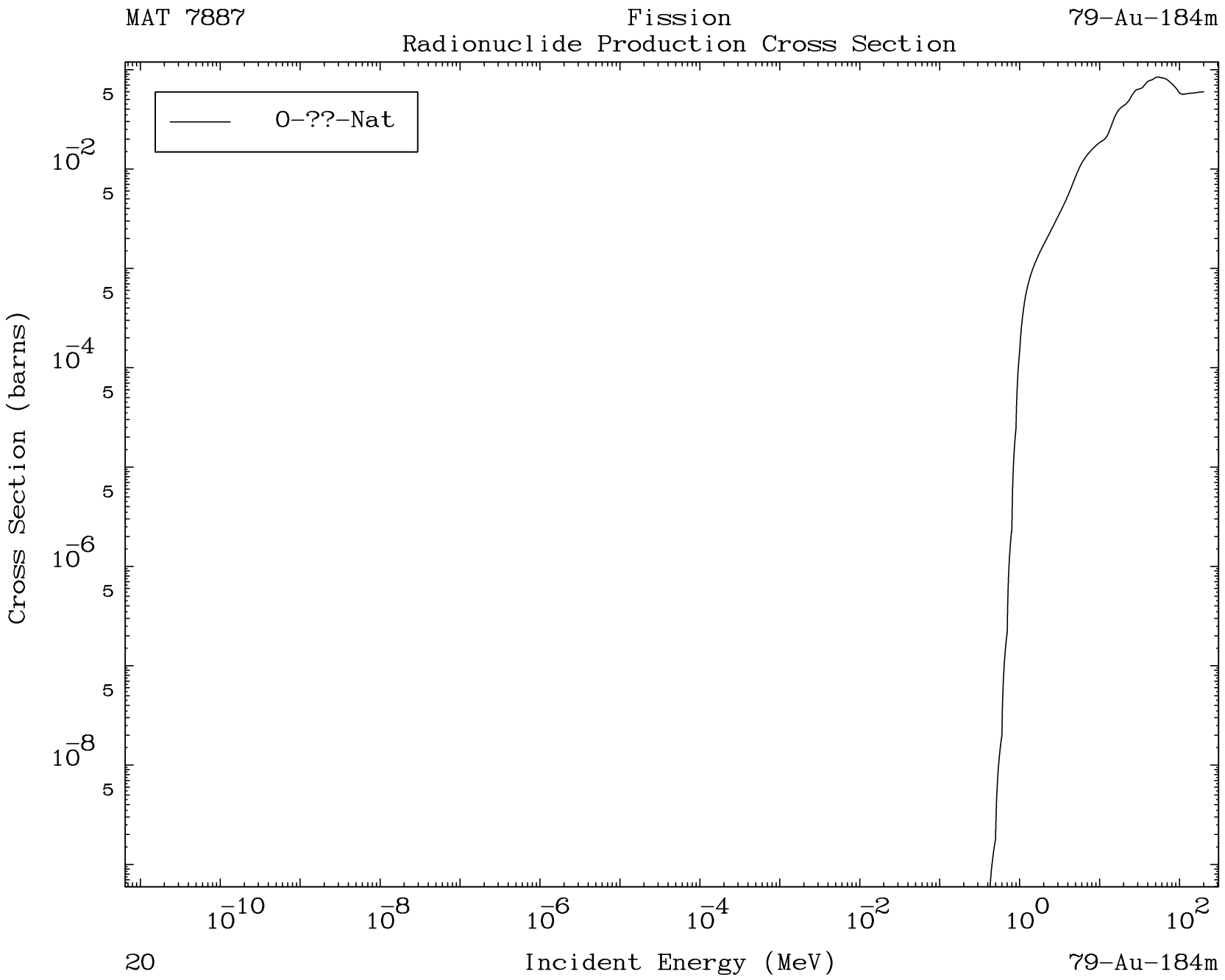

MAT 7887
(n,α) Levels
293 Kelvin Cross Sections
79-Au-184m
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
(n,α)
(n,2α)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
15
79-Au-184m

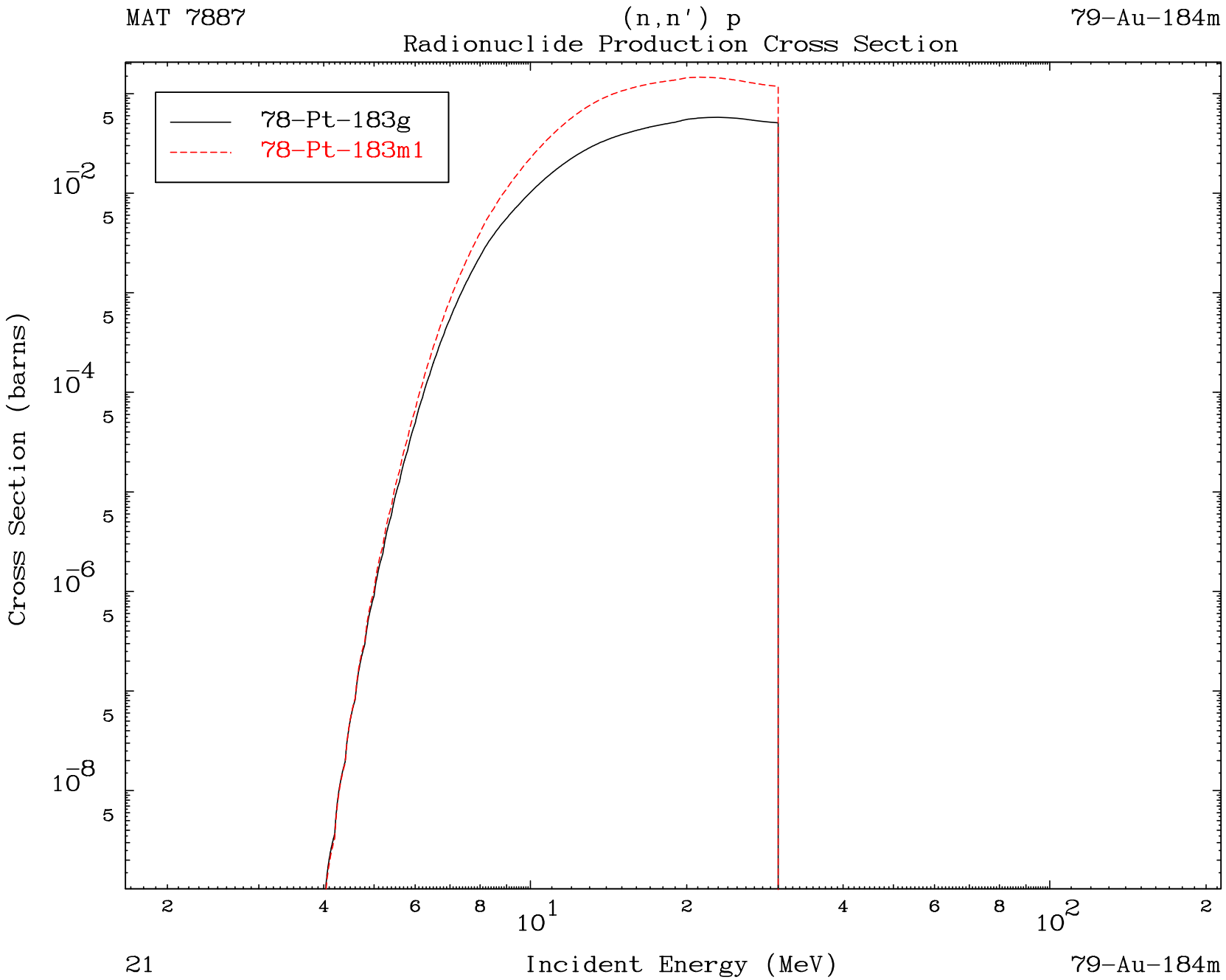

MAT 7887
Elastic
Legendre Coefficients
79-Au-184m
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
10
20
30
16
Incident Energy (MeV)
79-Au-184m

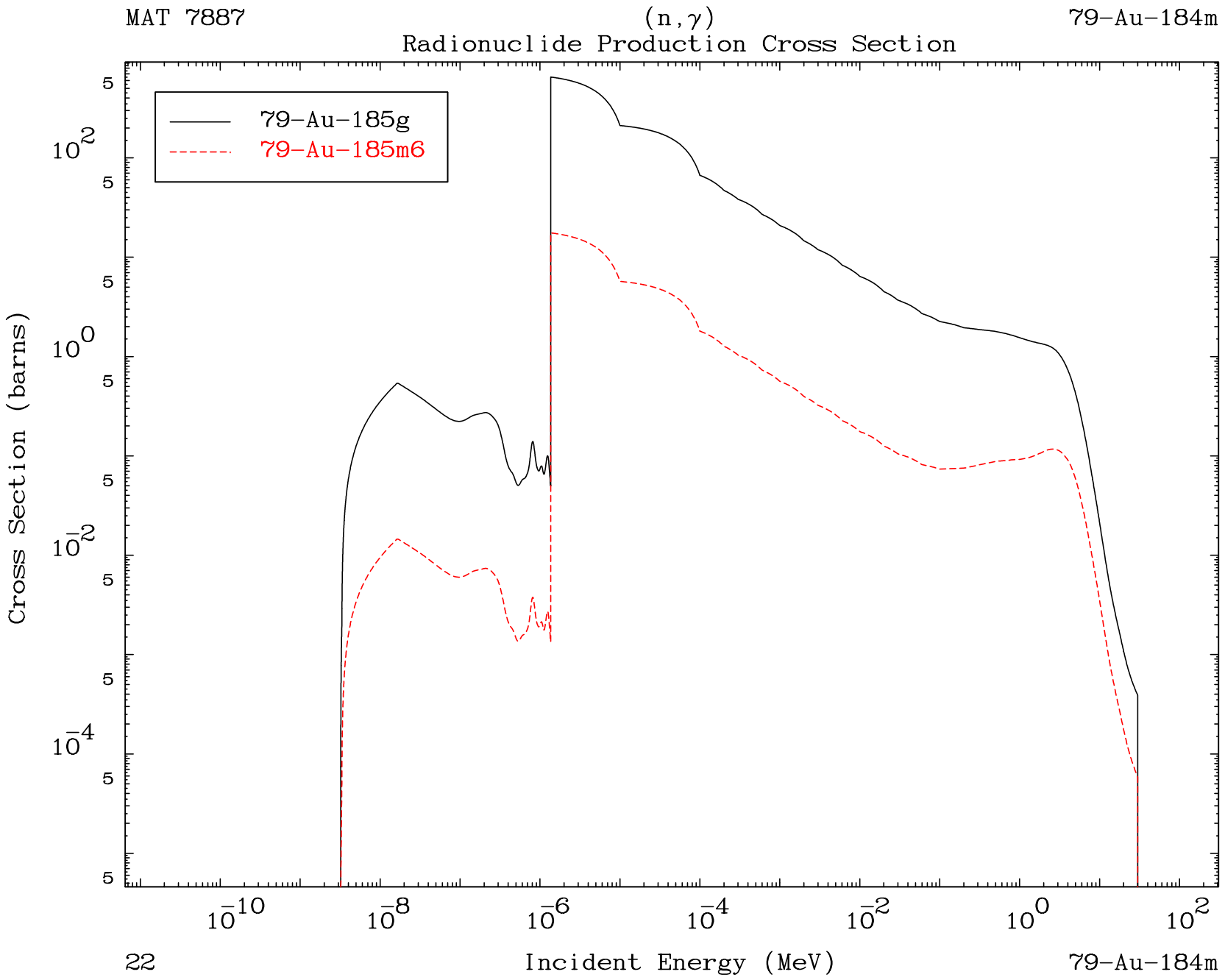

MAT 7887
Elastic
Legendre Coefficients
79-Au-184m
X10^-4
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
Legendre (CM)
0
2
4
6
5
10
15
20
25
30
17
Incident Energy (MeV)
79-Au-184m

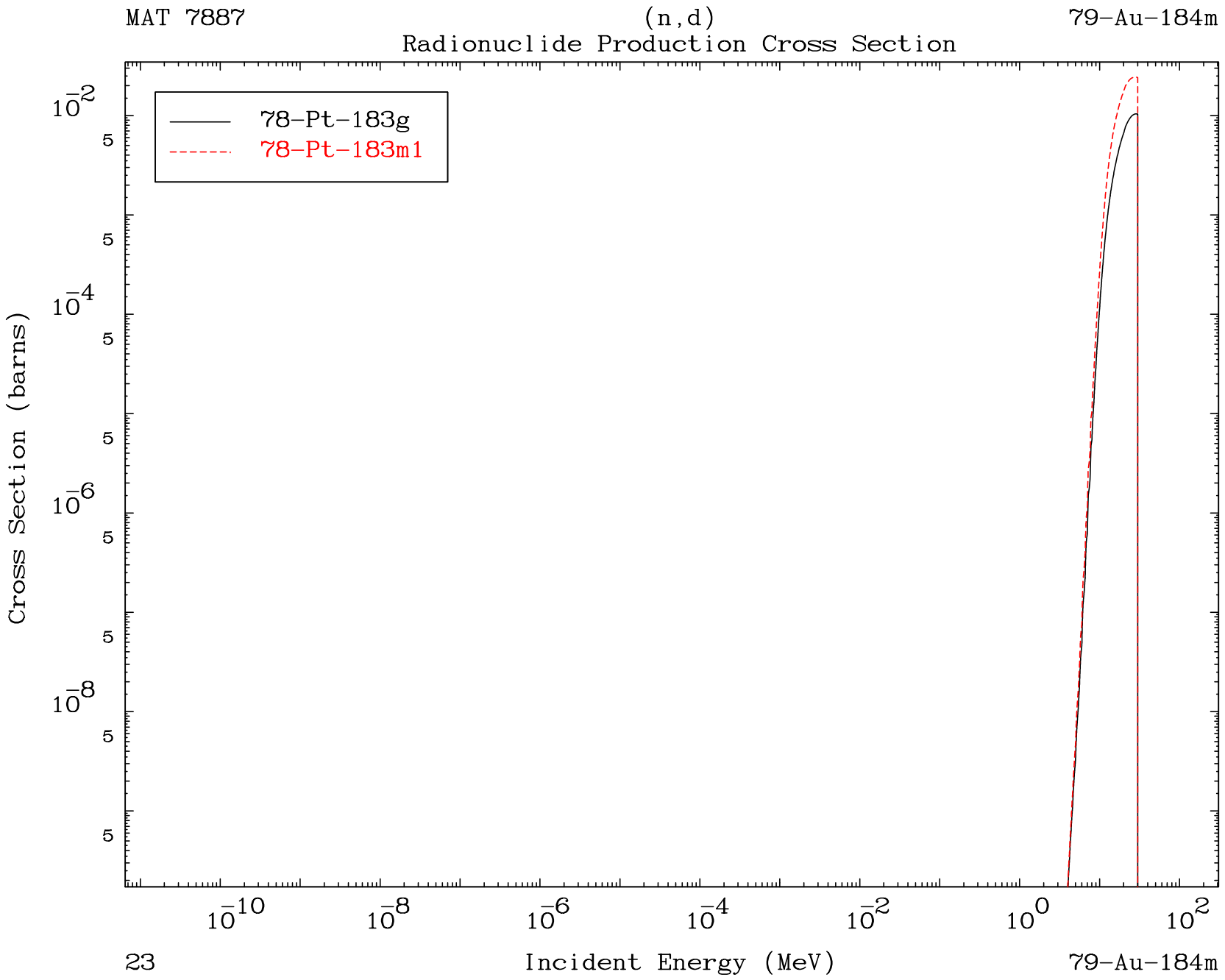

MAT 7887
Elastic
Legendre Coefficients
79-Au-184m
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
15
20
25
30
18
Incident Energy (MeV)
79-Au-184m


MAT 7887
Inelastic
79-Au-184m
Radionuclide Production Cross Section
79-Au-184g
79-Au-184m1
Cross Section (barns)
Incident Energy (MeV)
19
79-Au-184m


MAT 7887
Fission
79-Au-184m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
20
79-Au-184m


MAT 7887
(n,n') p
79-Au-184m
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
4
6
8
101
2
4
6
8
102
2
21
Incident Energy (MeV)
79-Au-184m


MAT 7887
(n,γ)
79-Au-184m
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
Incident Energy (MeV)
22
79-Au-184m


MAT 7887
(n,d)
79-Au-184m
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
Incident Energy (MeV)
23
79-Au-184m