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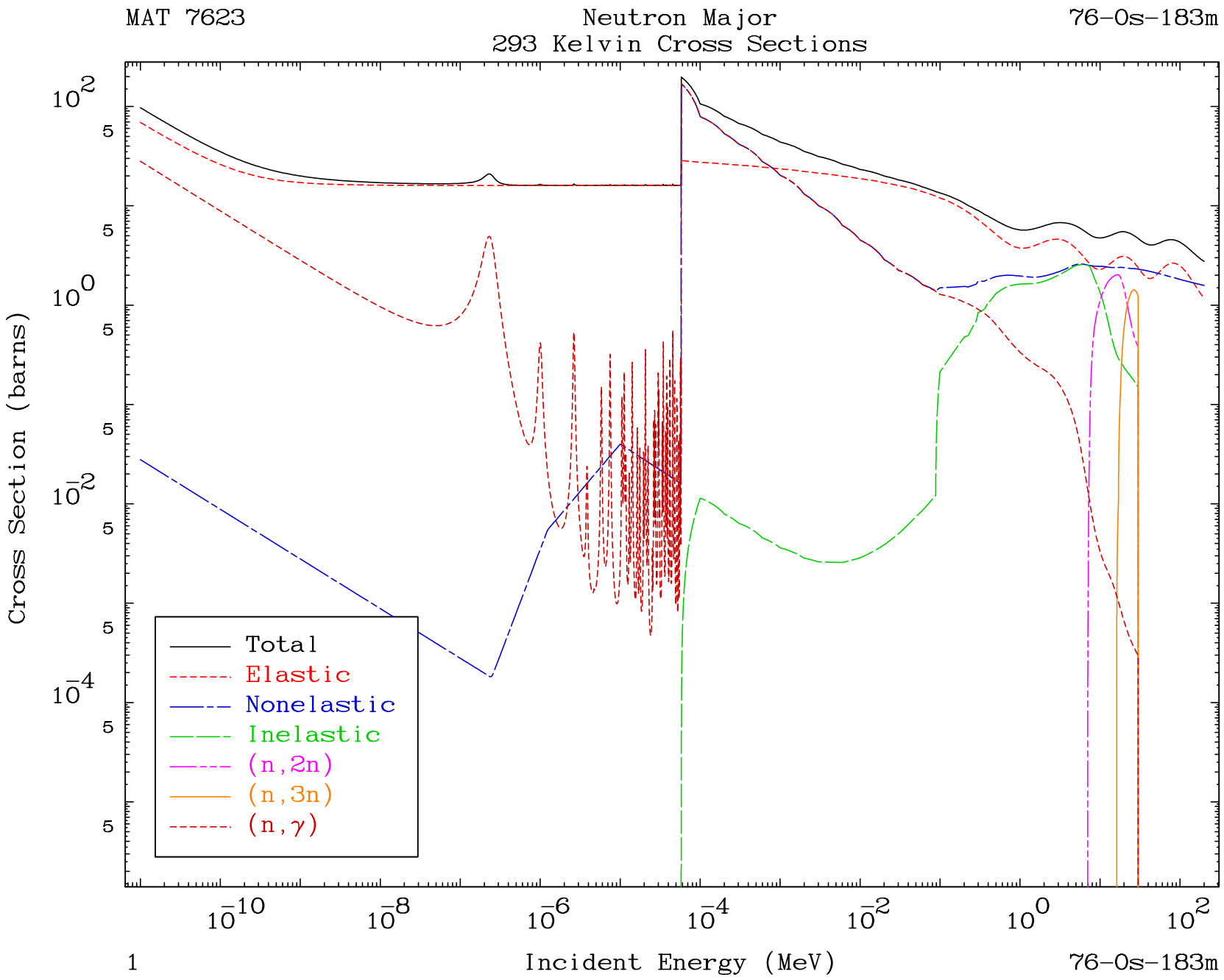
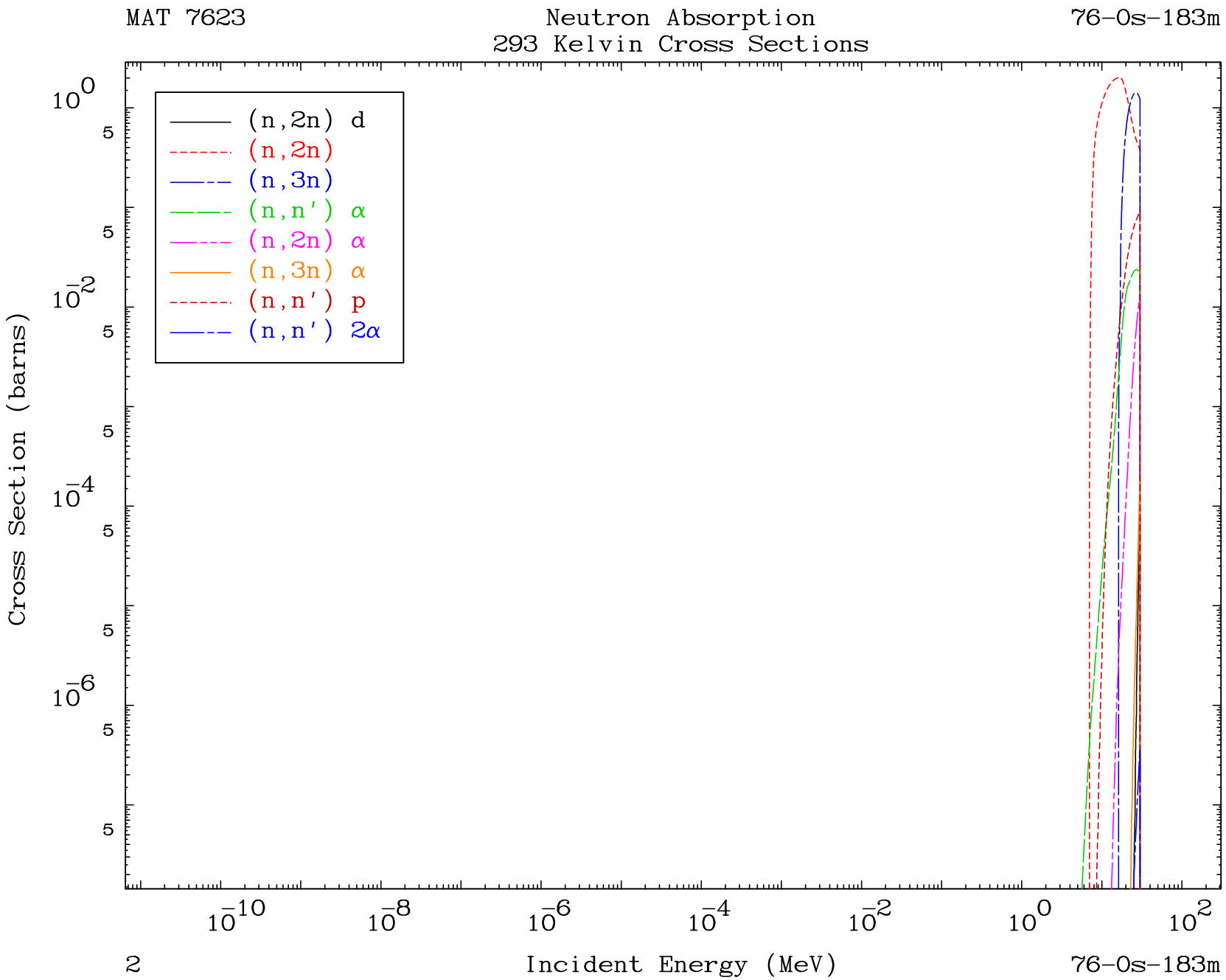
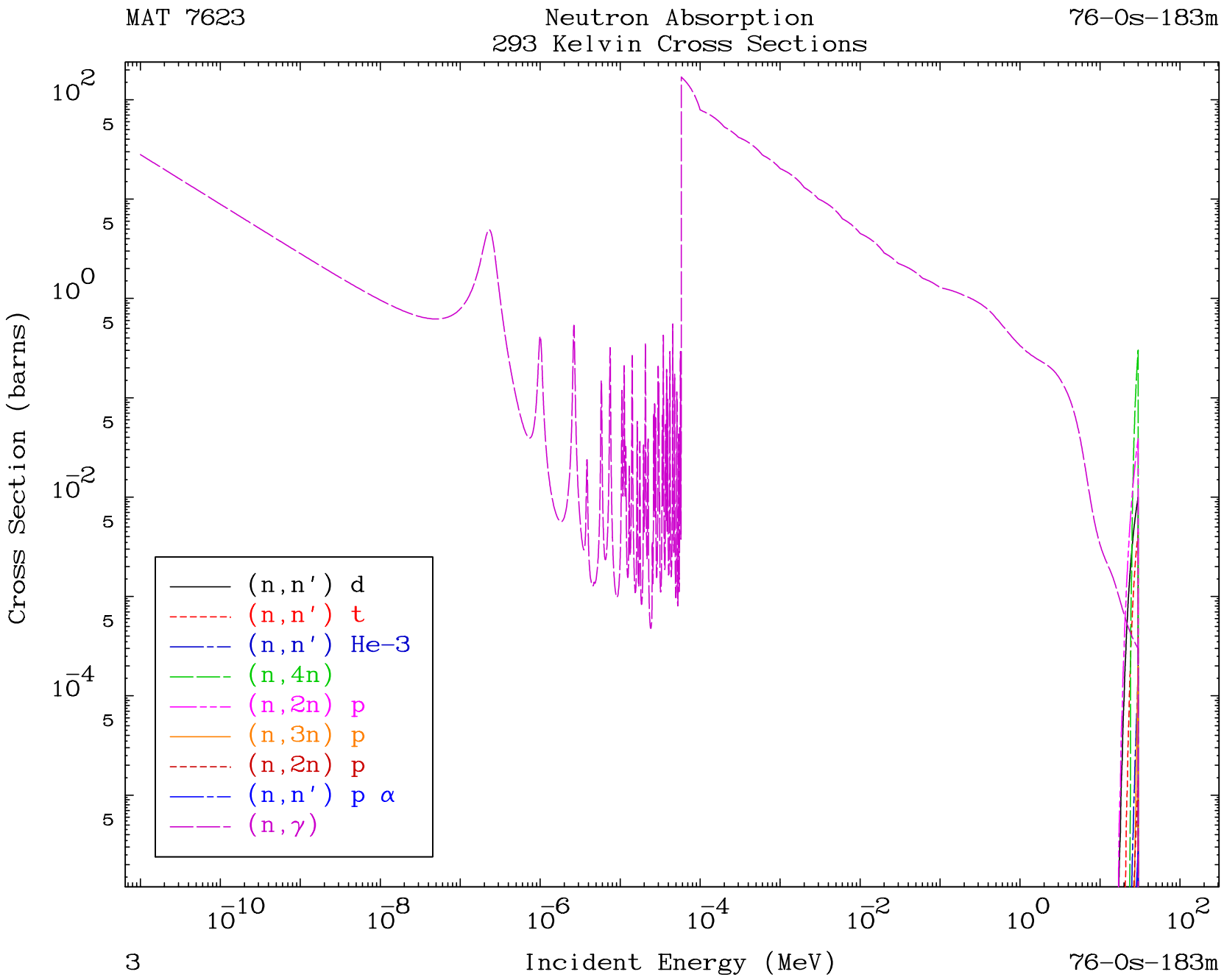
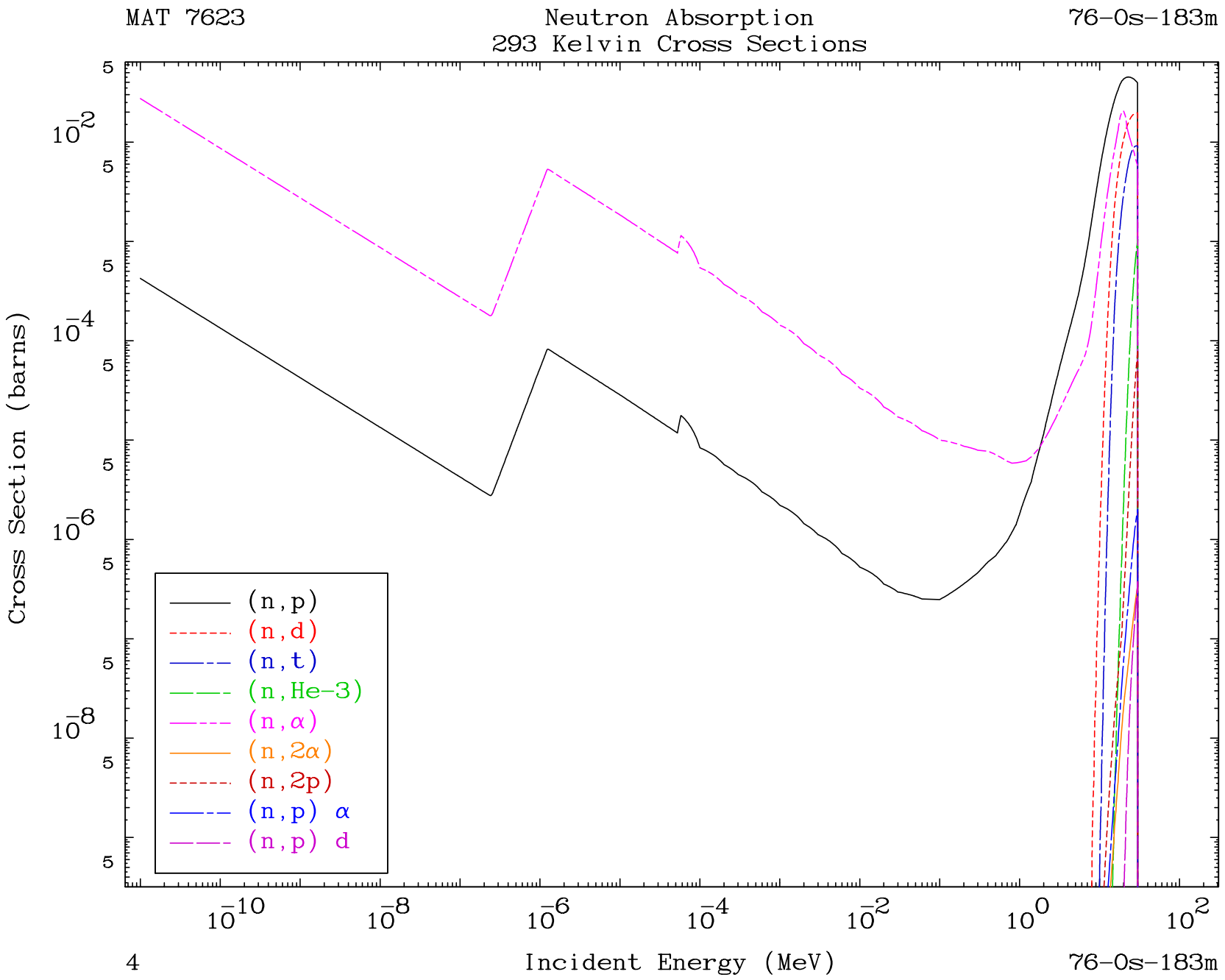
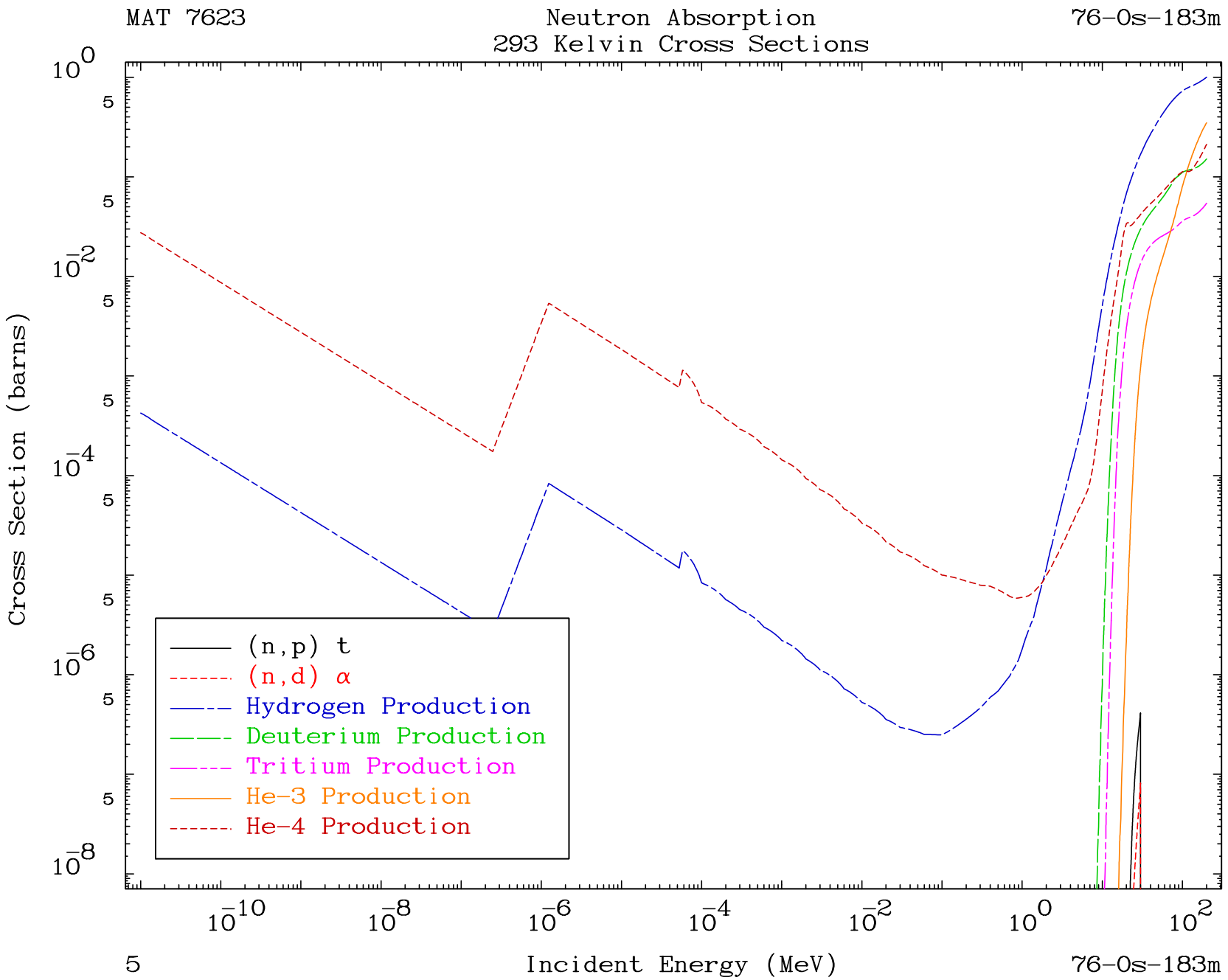
Press Mouse Button to Start

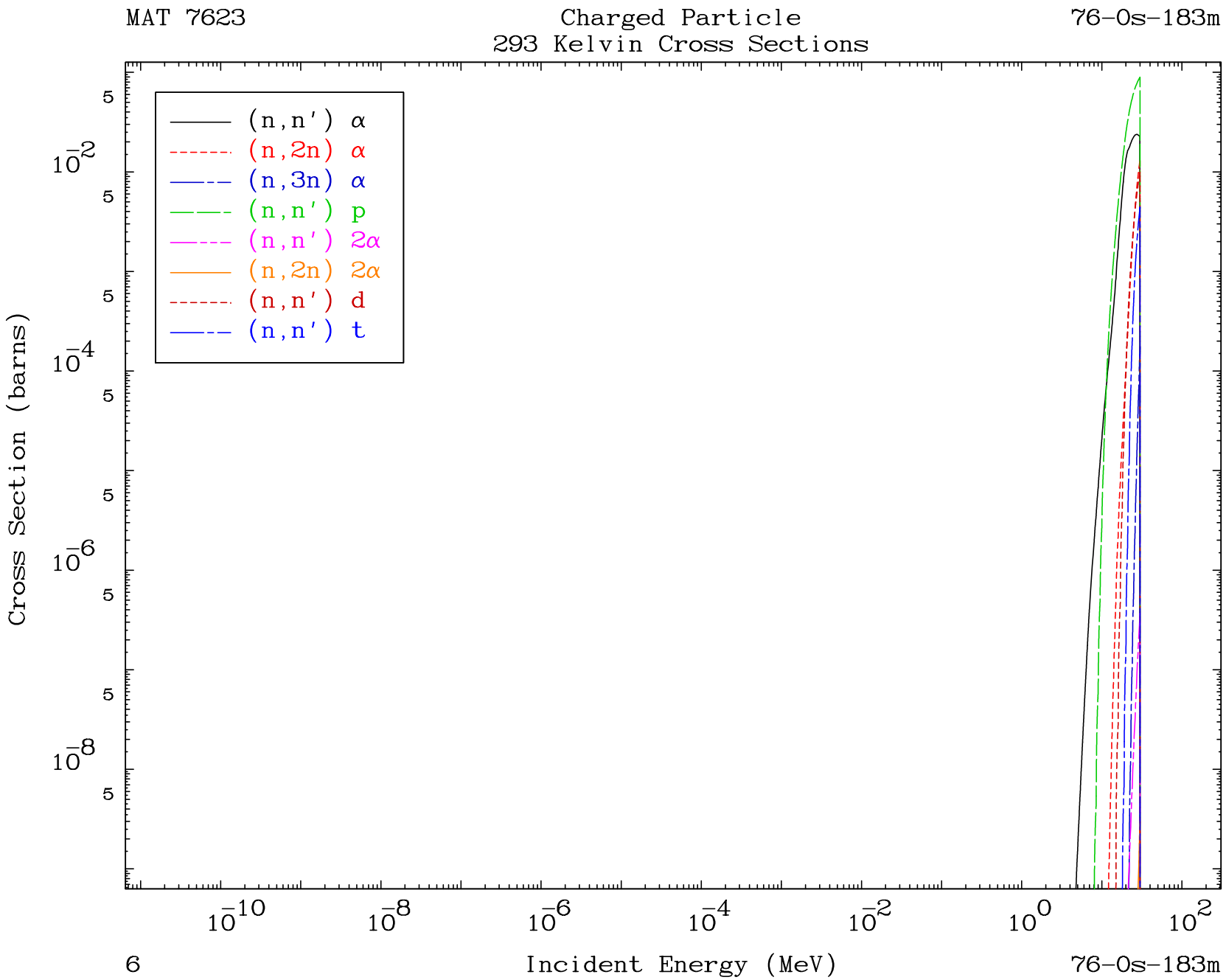

MAT 7623
Neutron Major
293 Kelvin Cross Sections
76-Os-183m
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
76-Os-183m

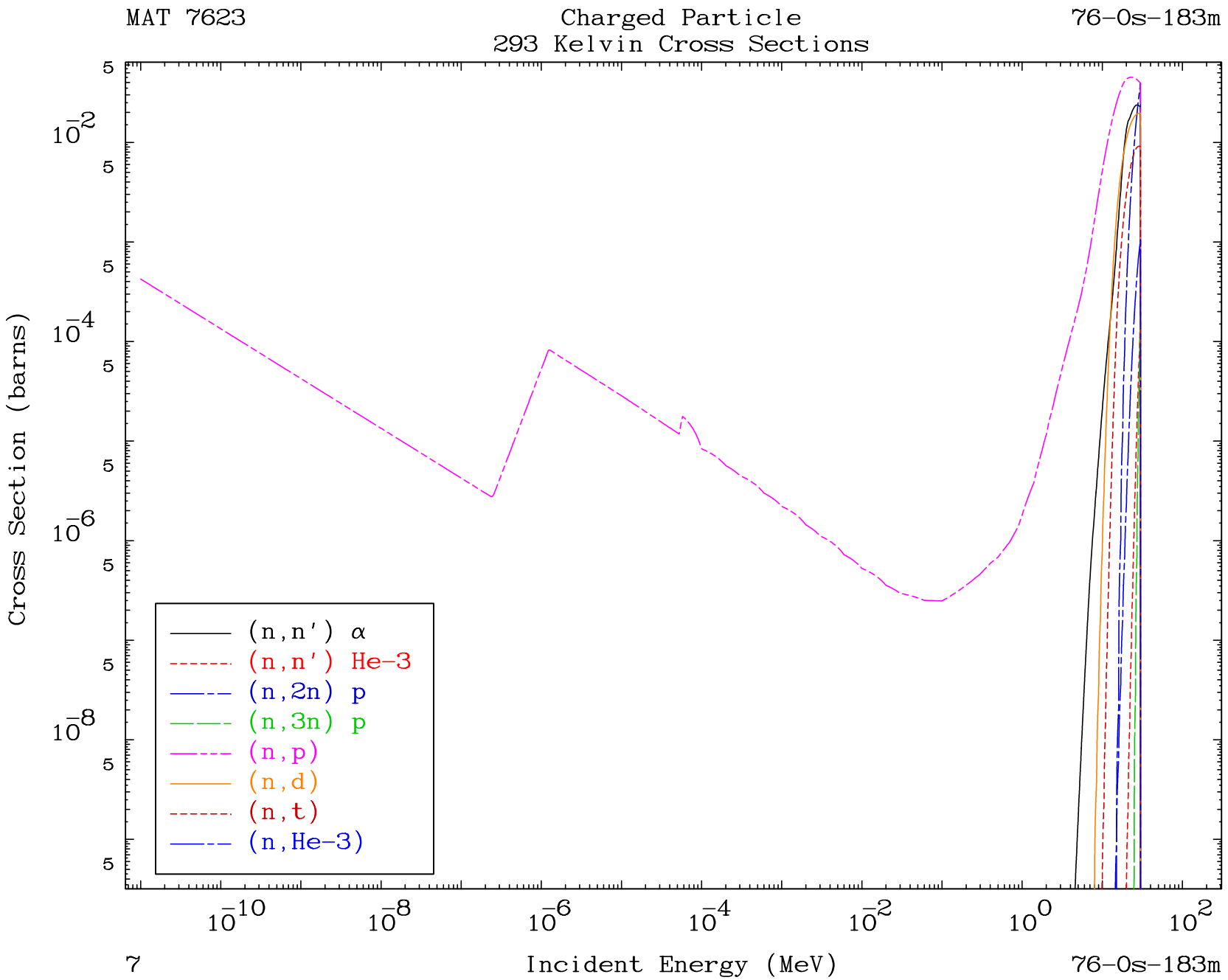

MAT 7623
Neutron Absorption
293 Kelvin Cross Sections
76-Os-183m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
Cross Section (barns)
Incident Energy (MeV)
2
76-Os-183m

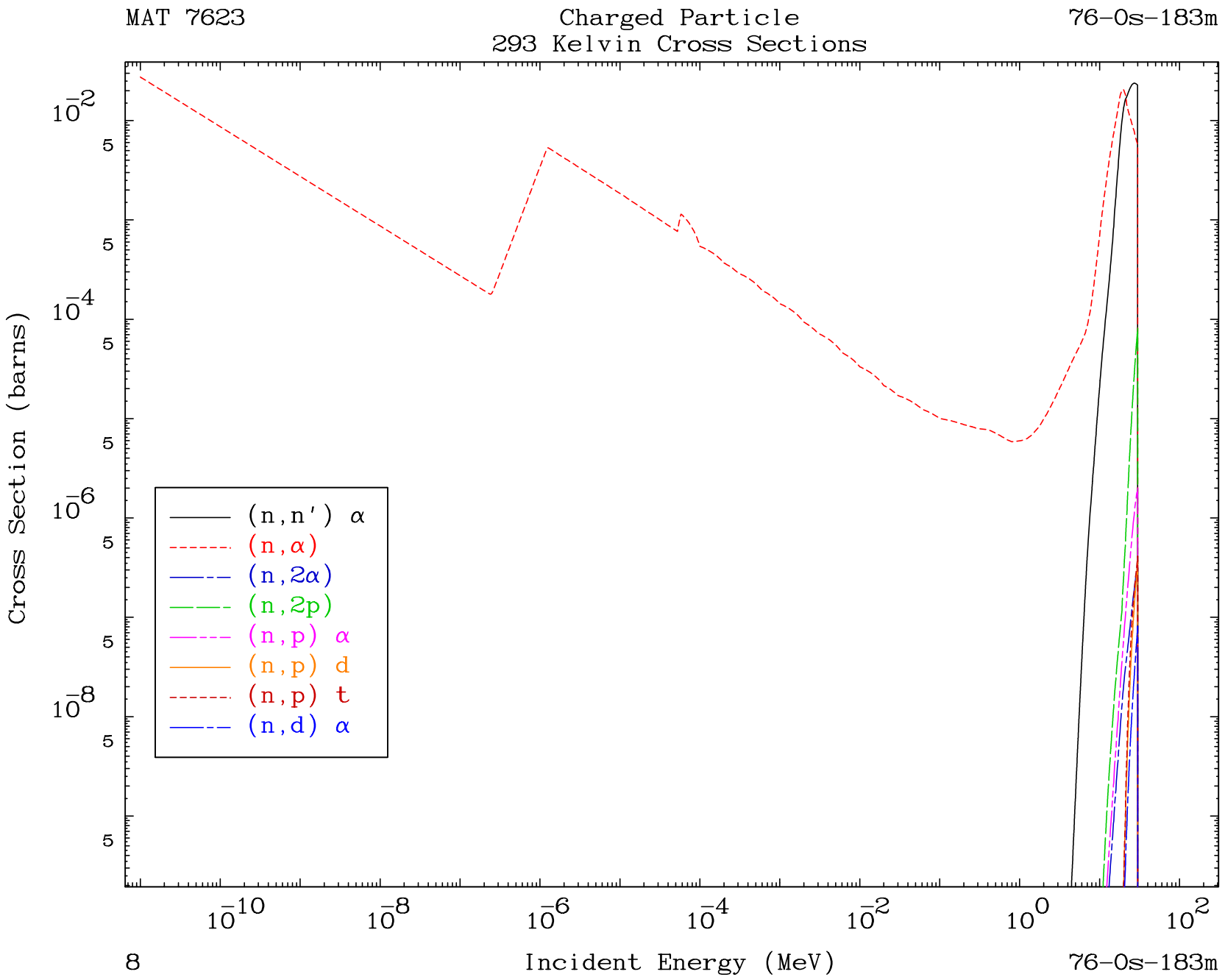

MAT 7623
Neutron Absorption
293 Kelvin Cross Sections
76-Os-183m
Cross Section (barns)
Incident Energy (MeV)
(n,n') d
(n,n') t
(n,n') He-3
(n,4n)
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
3
76-Os-183m

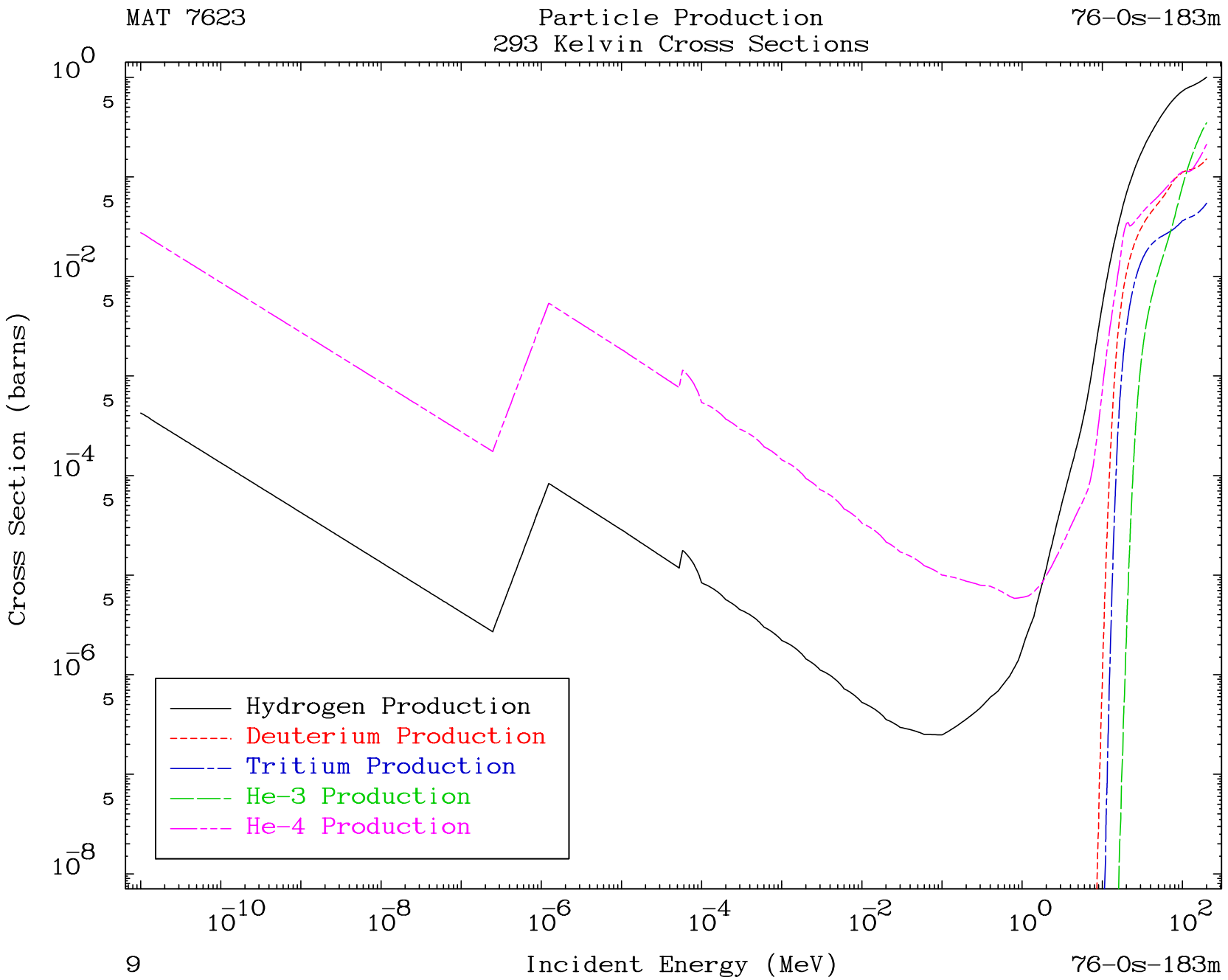

MAT 7623
Neutron Absorption
293 Kelvin Cross Sections
76-0s-183m
Cross Section (barns)
Incident Energy (MeV)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
4
76-0s-183m

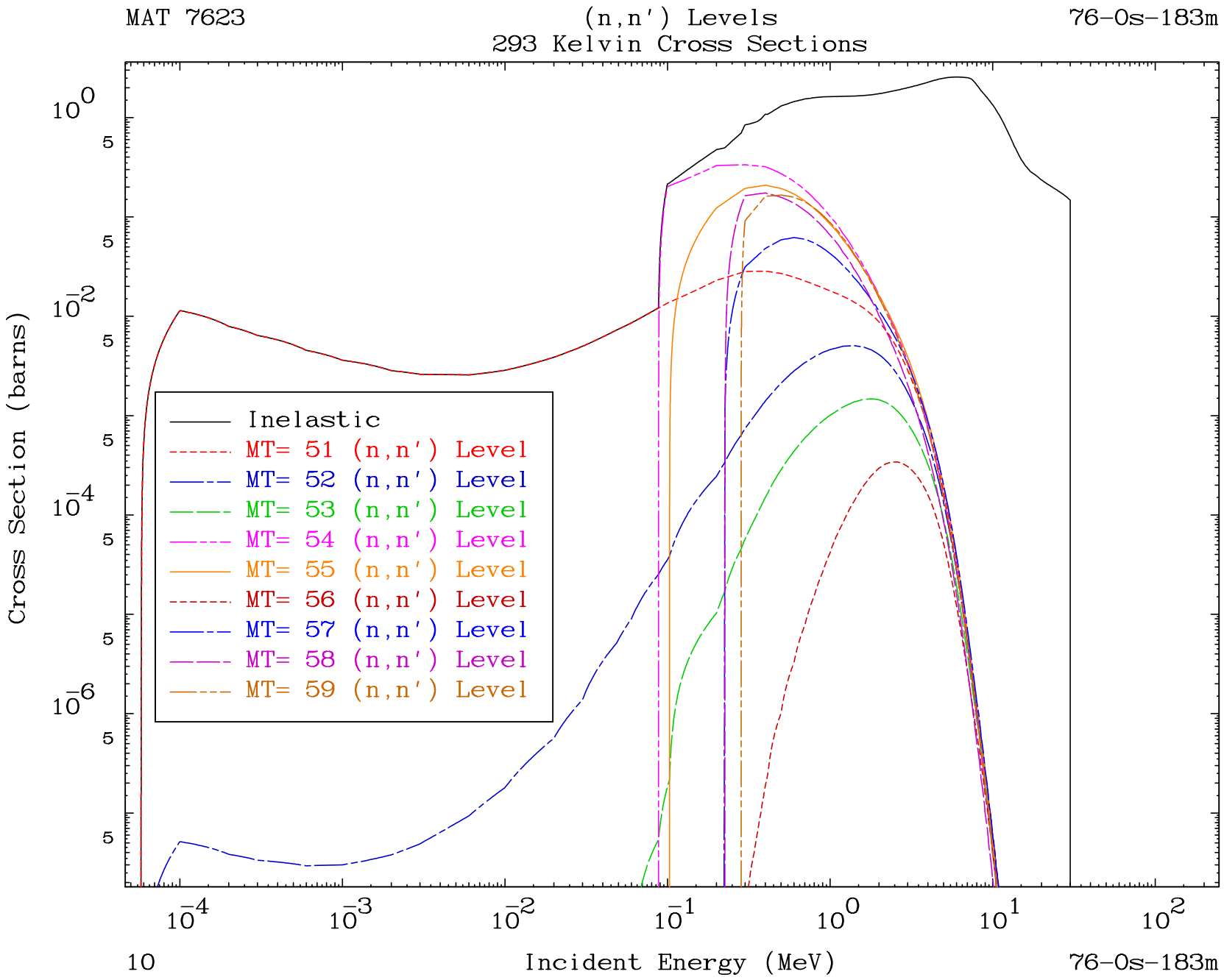

MAT 7623
Neutron Absorption
293 Kelvin Cross Sections
76-Os-183m
Cross Section (barns)
Incident Energy (MeV)
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

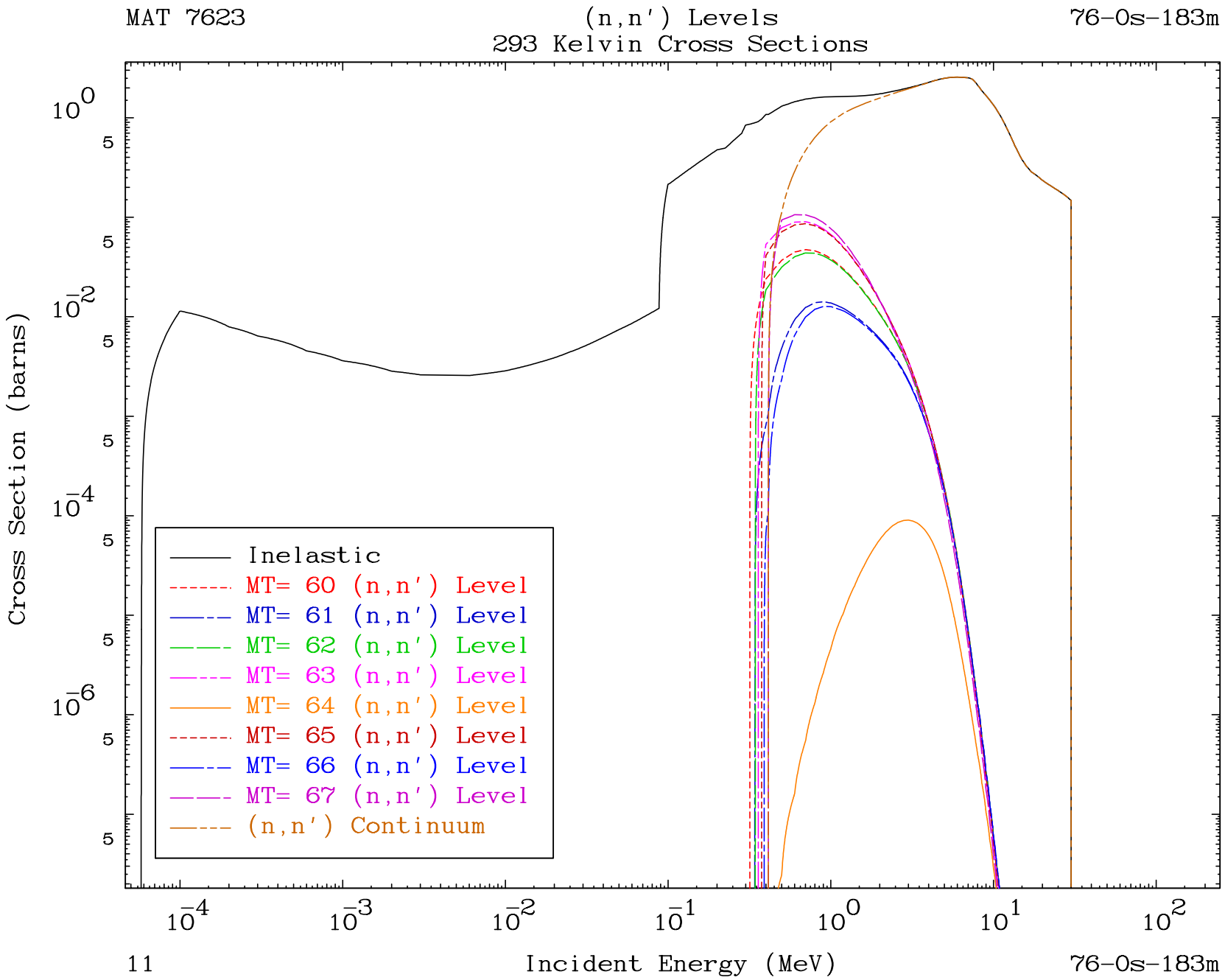

MAT 7623
Charged Particle
293 Kelvin Cross Sections
76-Os-183m
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
6
76-Os-183m

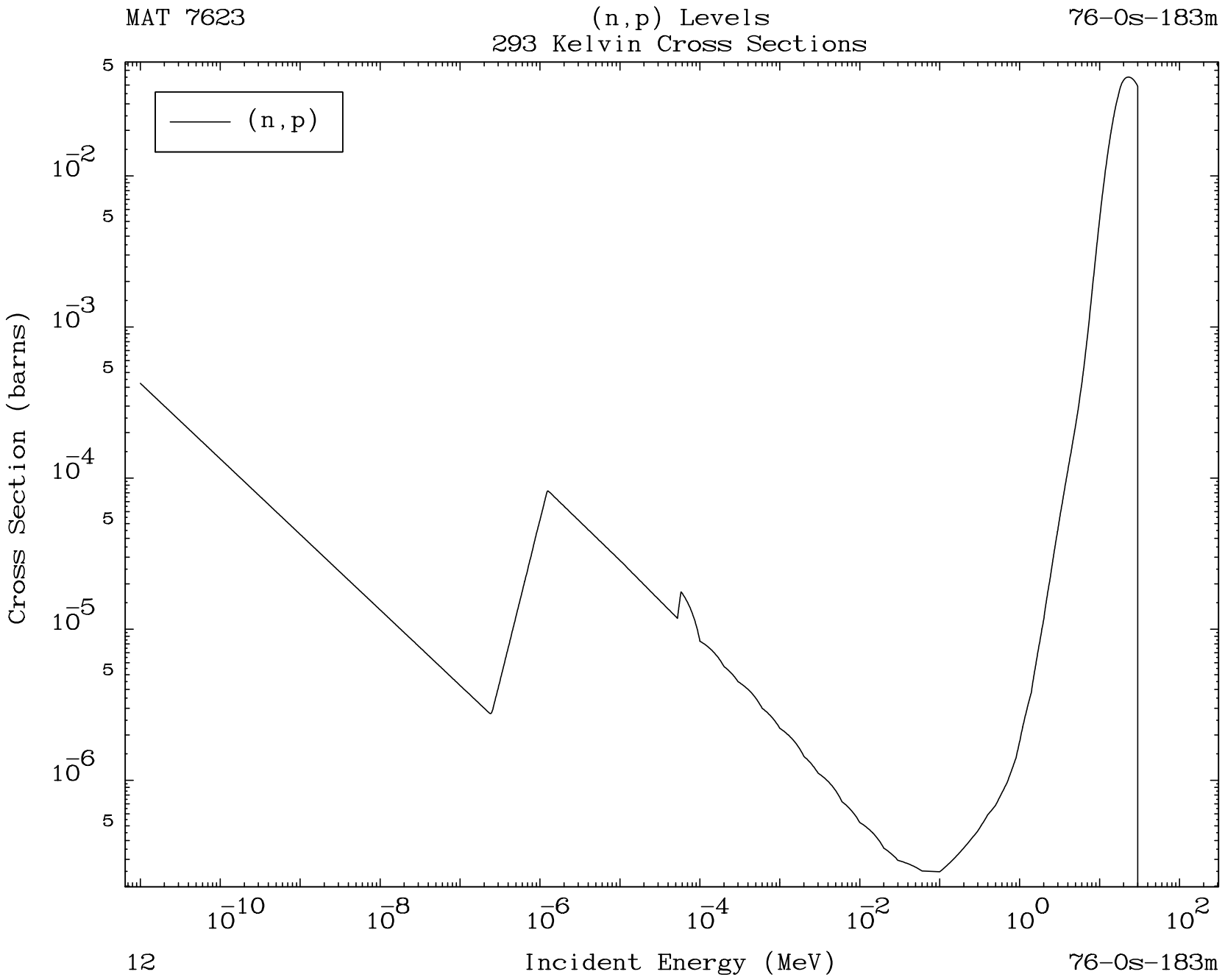

MAT 7623
Charged Particle
293 Kelvin Cross Sections
76-0s-183m
Cross Section (barns)
Incident Energy (MeV)
7
76-0s-183m
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)

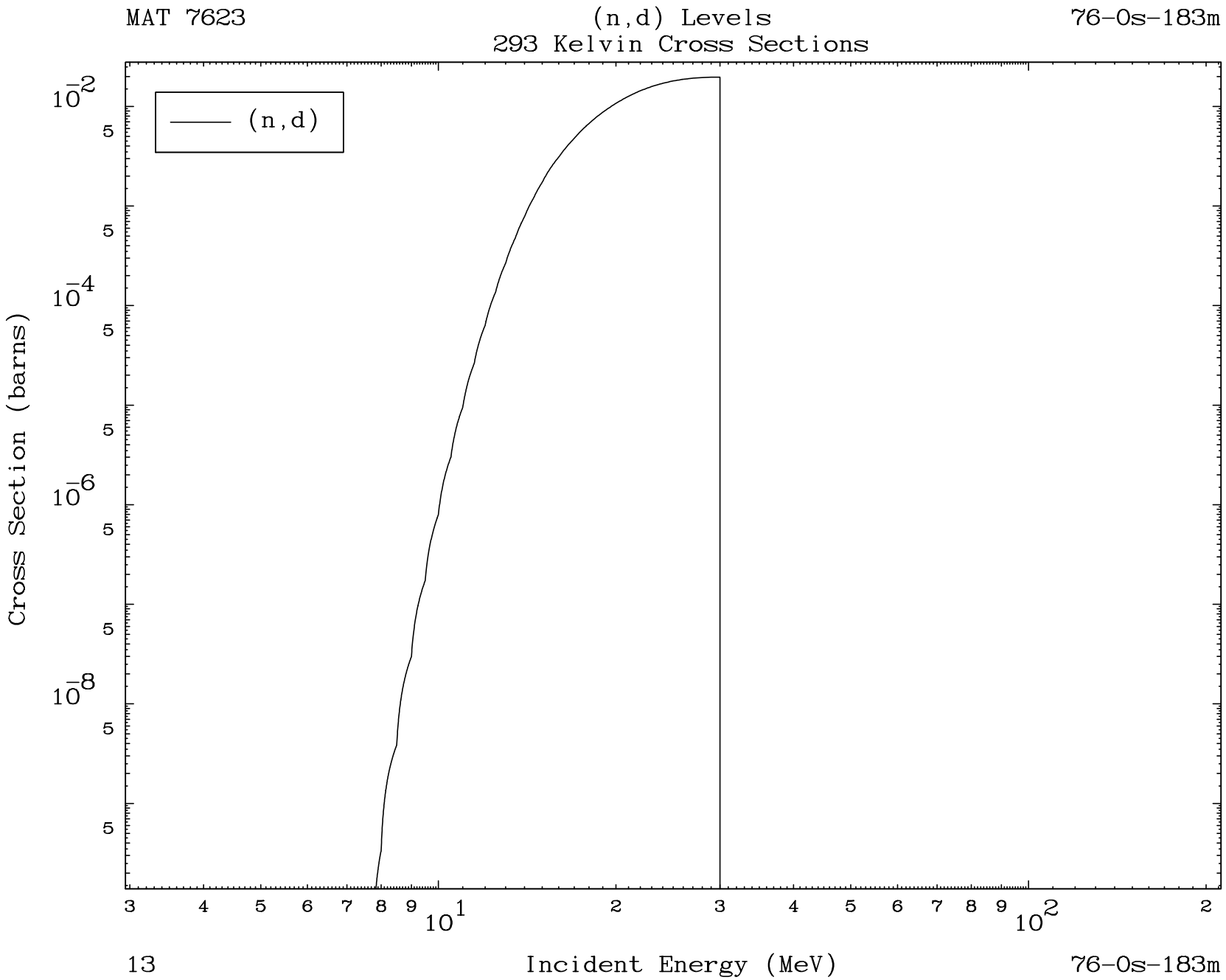

MAT 7623
Charged Particle
293 Kelvin Cross Sections
76-Os-183m
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,α)
(n,2α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
8
76-Os-183m

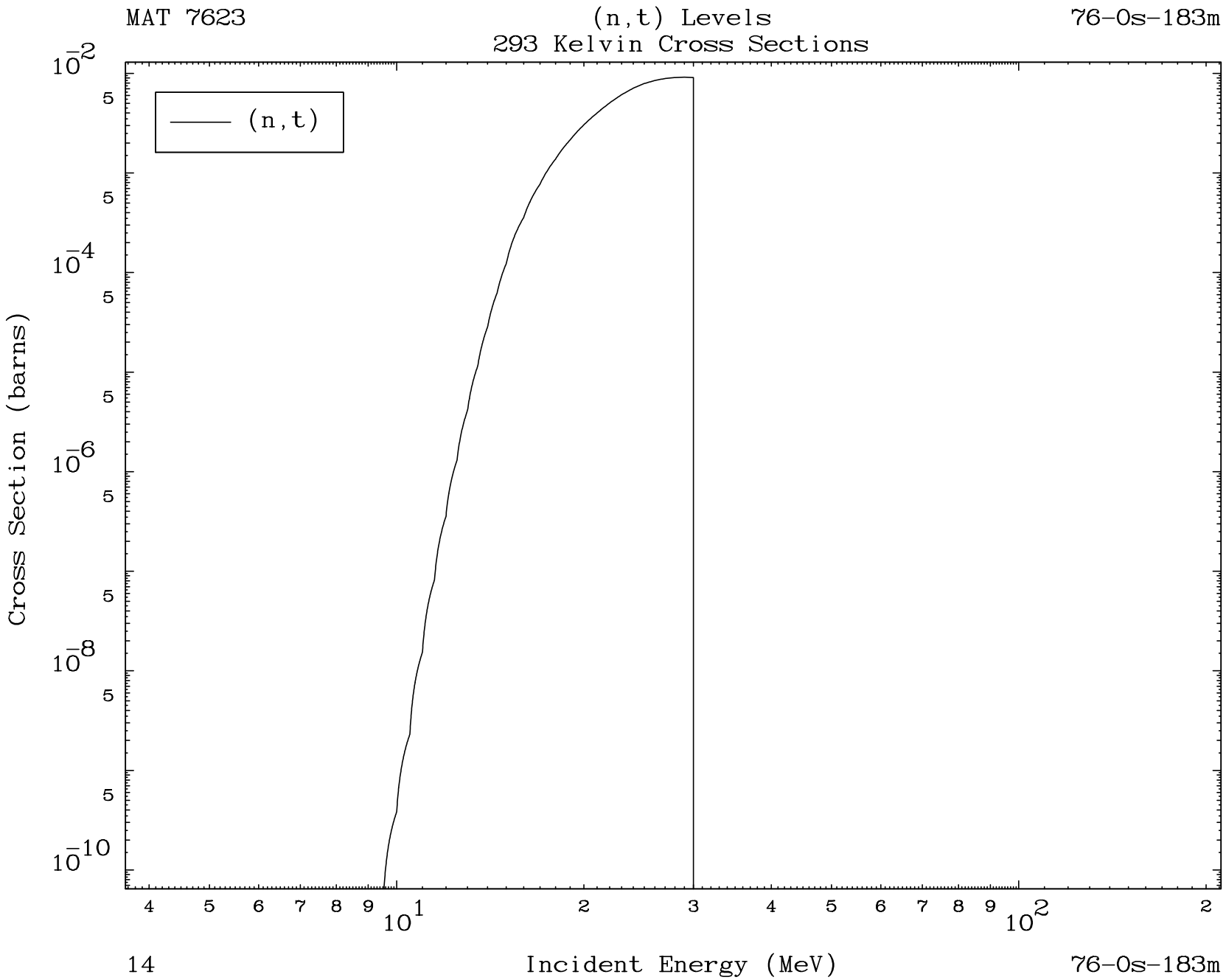

MAT 7623
Particle Production
293 Kelvin Cross Sections
76-0s-183m
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
9
76-0s-183m

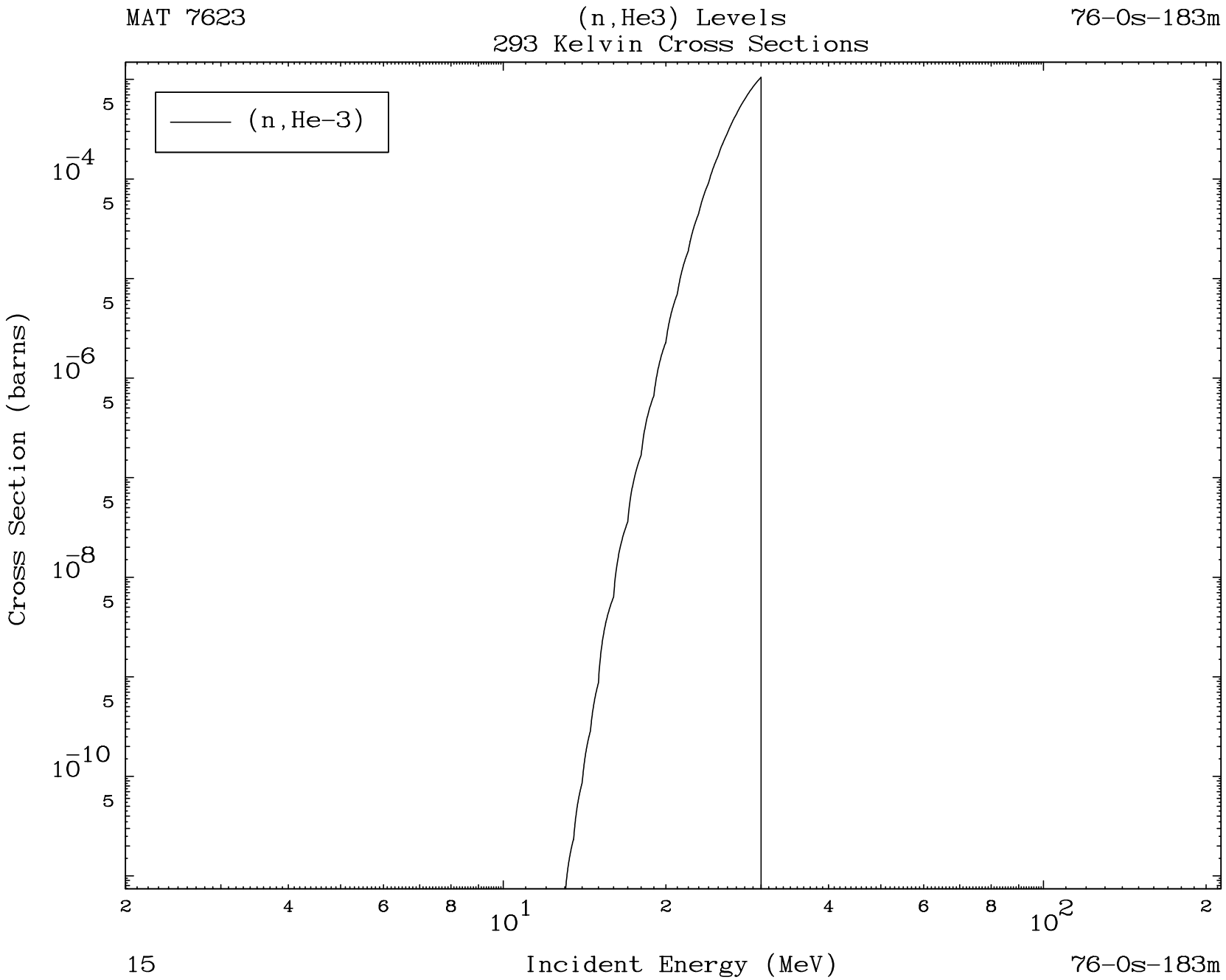

MAT 7623
(n,n') Levels
293 Kelvin Cross Sections
76-Os-183m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level

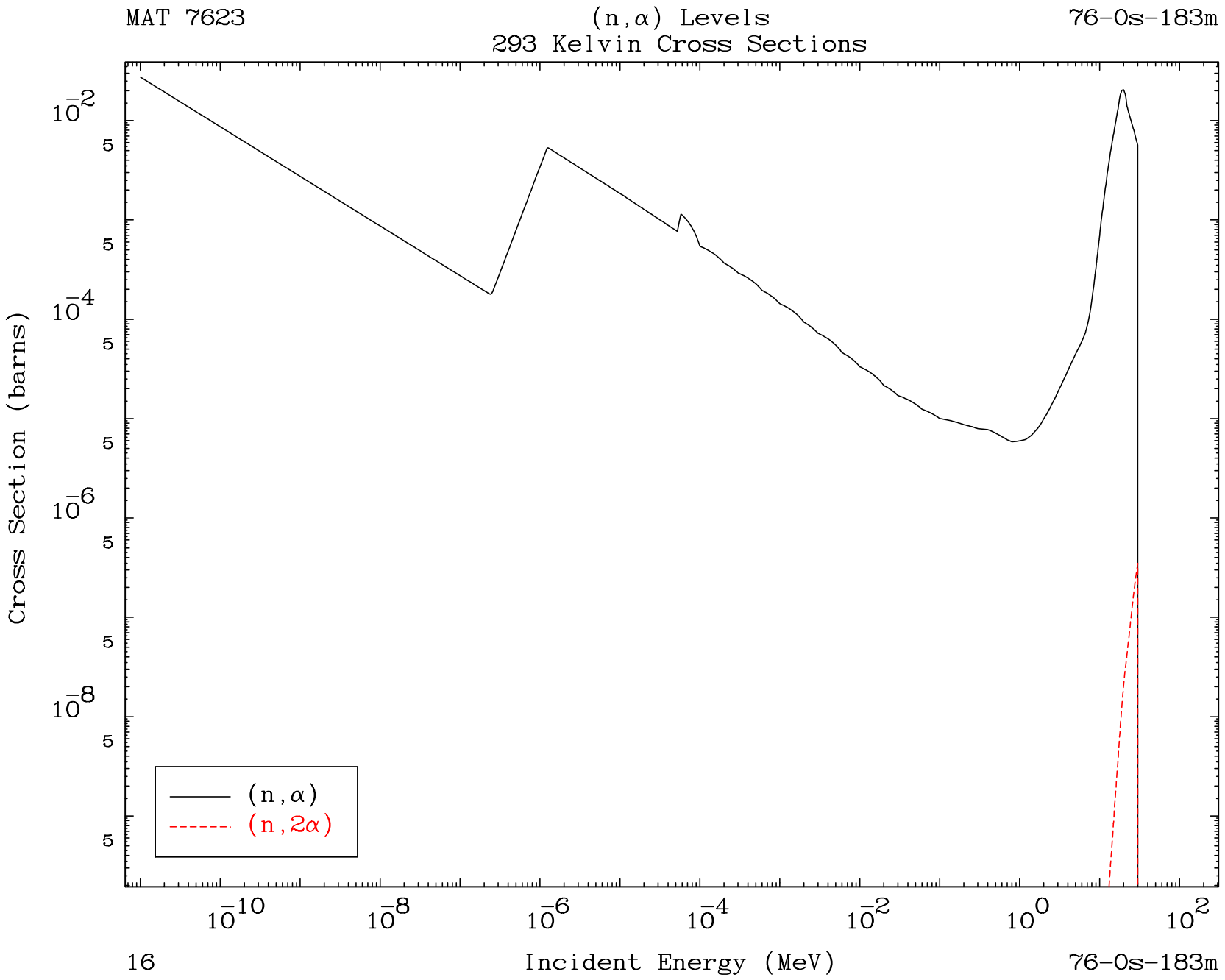

MAT 7623
(n,n') Levels
293 Kelvin Cross Sections
76-Os-183m
Cross Section (barns)
Incident Energy (MeV)
Inelastic
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
MT= 67 (n,n') Level
(n,n') Continuum
11
76-Os-183m

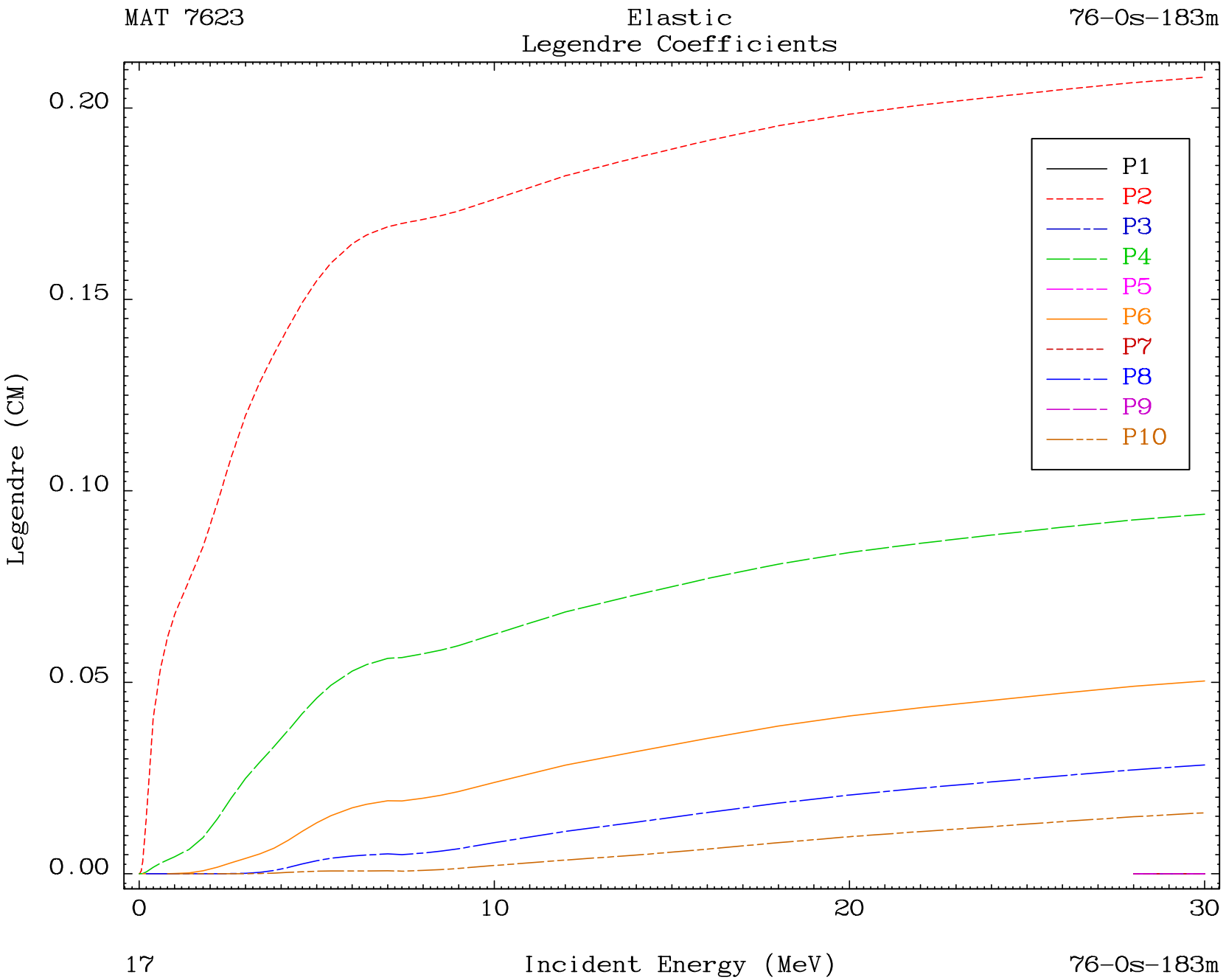

MAT 7623
(n,p) Levels
293 Kelvin Cross Sections
76-0s-183m
(n,p)
Cross Section (barns)
Incident Energy (MeV)
12
76-0s-183m

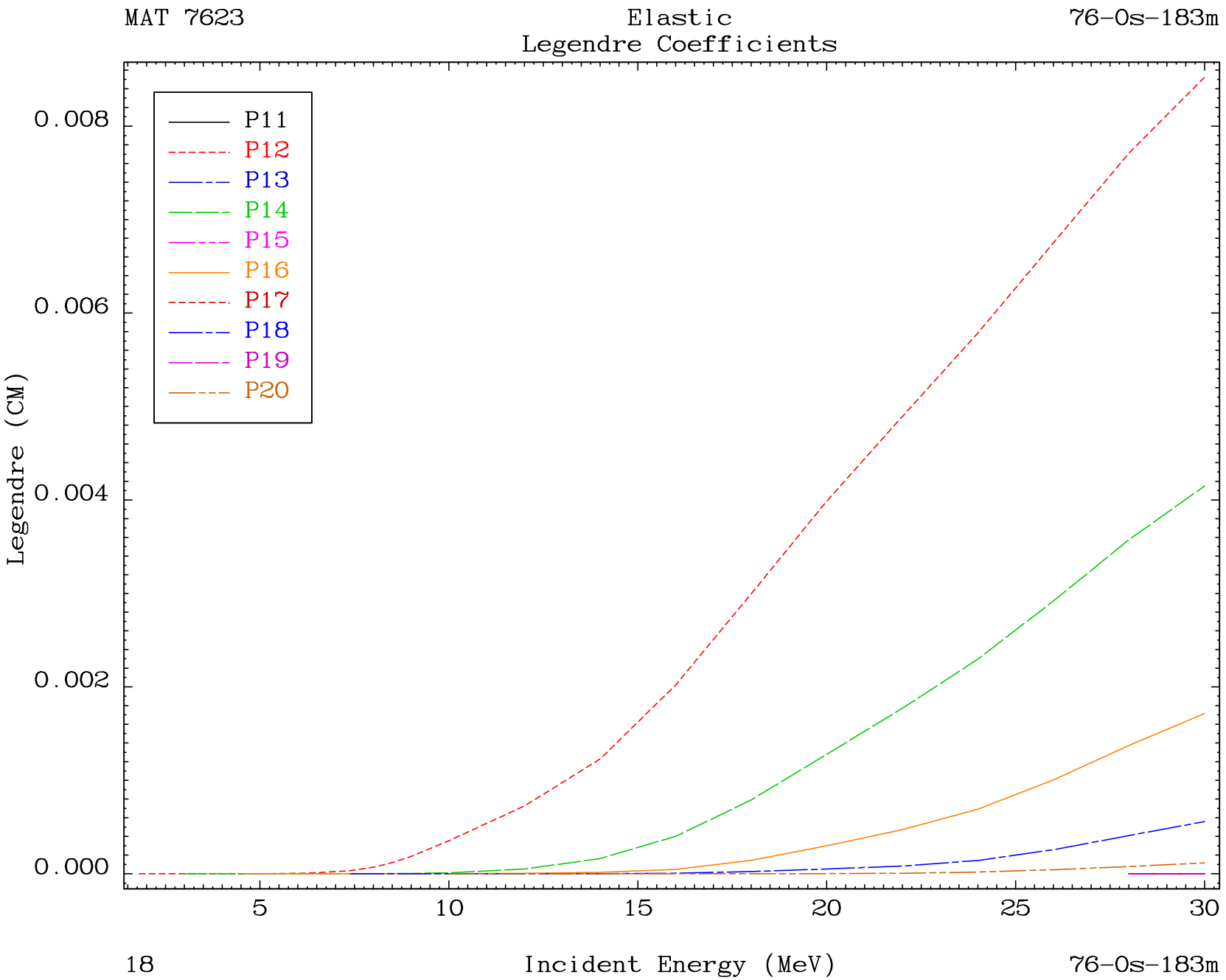

MAT 7623
(n,d) Levels
76-Os-183m
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10-2
10-4
10-6
10-8
3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 2 2
Incident Energy (MeV)
13
76-Os-183m

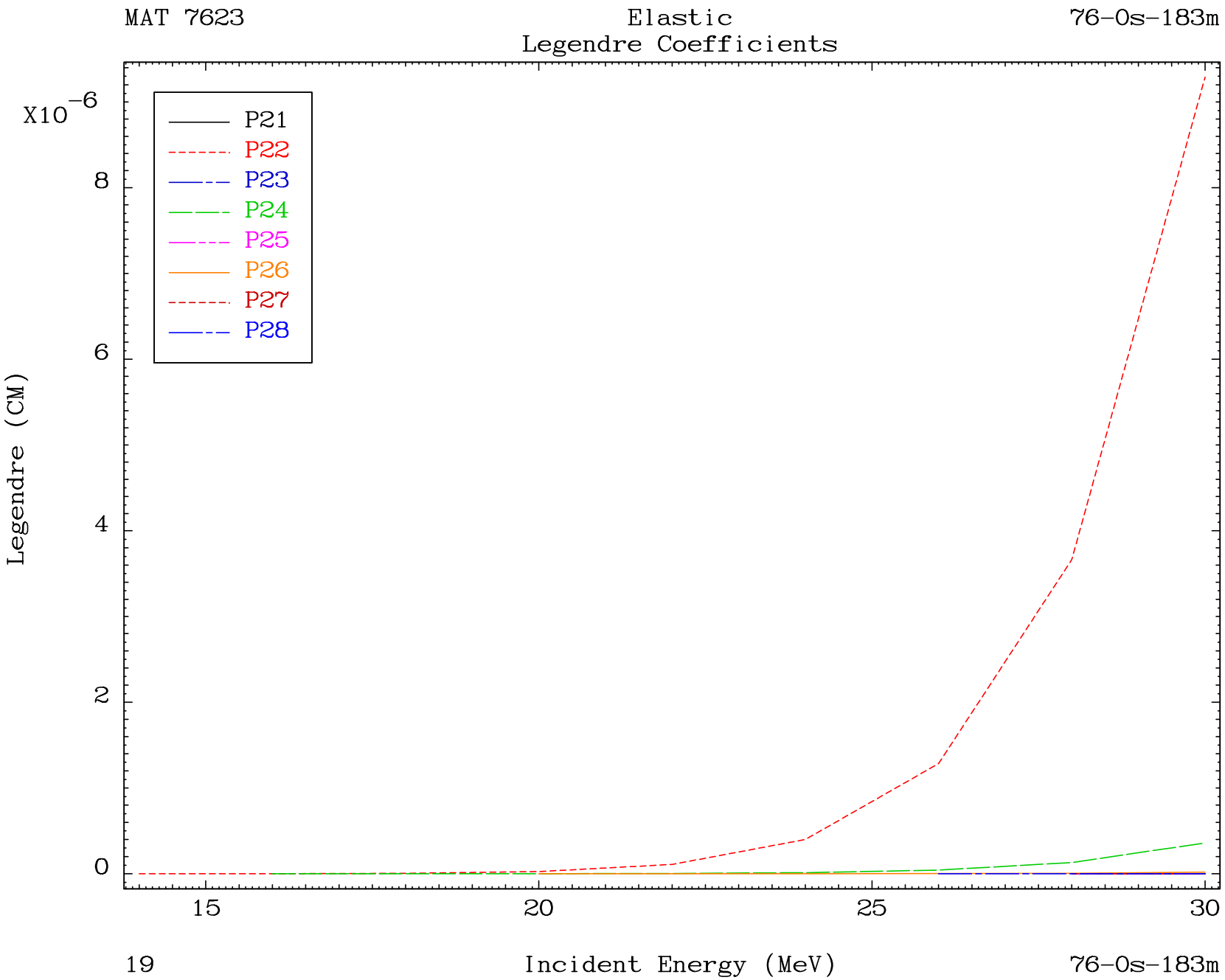

MAT 7623
(n,t) Levels
293 Kelvin Cross Sections
76-0s-183m
(n,t)
Cross Section (barns)
Incident Energy (MeV)
14
76-0s-183m

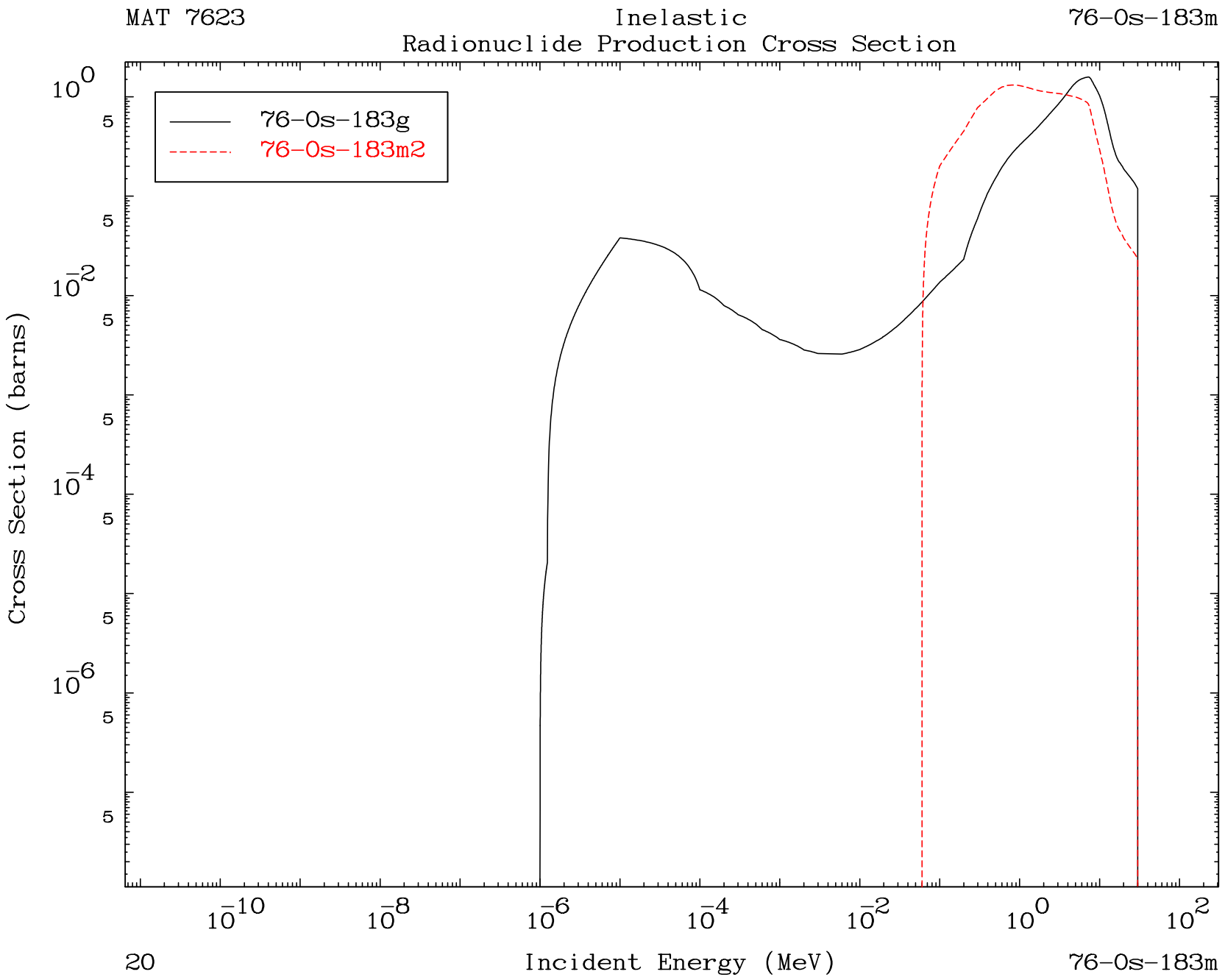

MAT 7623
(n,He3) Levels
76-0s-183m
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
4
6
8
10 1
10 2
Incident Energy (MeV)
15
76-0s-183m

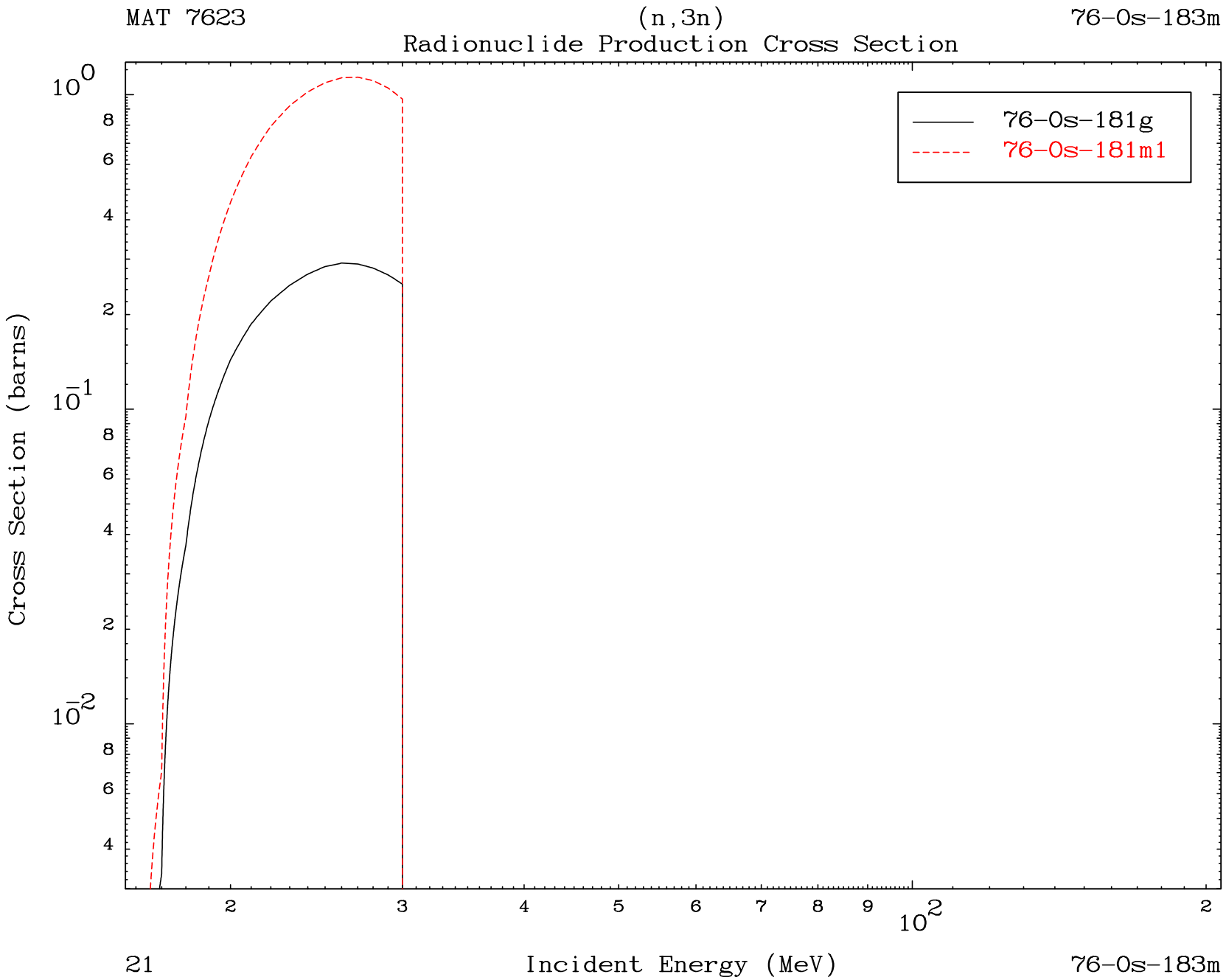

MAT 7623
(n,α) Levels
293 Kelvin Cross Sections
76-0s-183m
Cross Section (barns)
10-2
5
10-4
5
10-6
5
10-8
5
(n,α)
(n,2α)
10-10
10-8
10-6
10-4
10-2
100
102
16
Incident Energy (MeV)
76-0s-183m

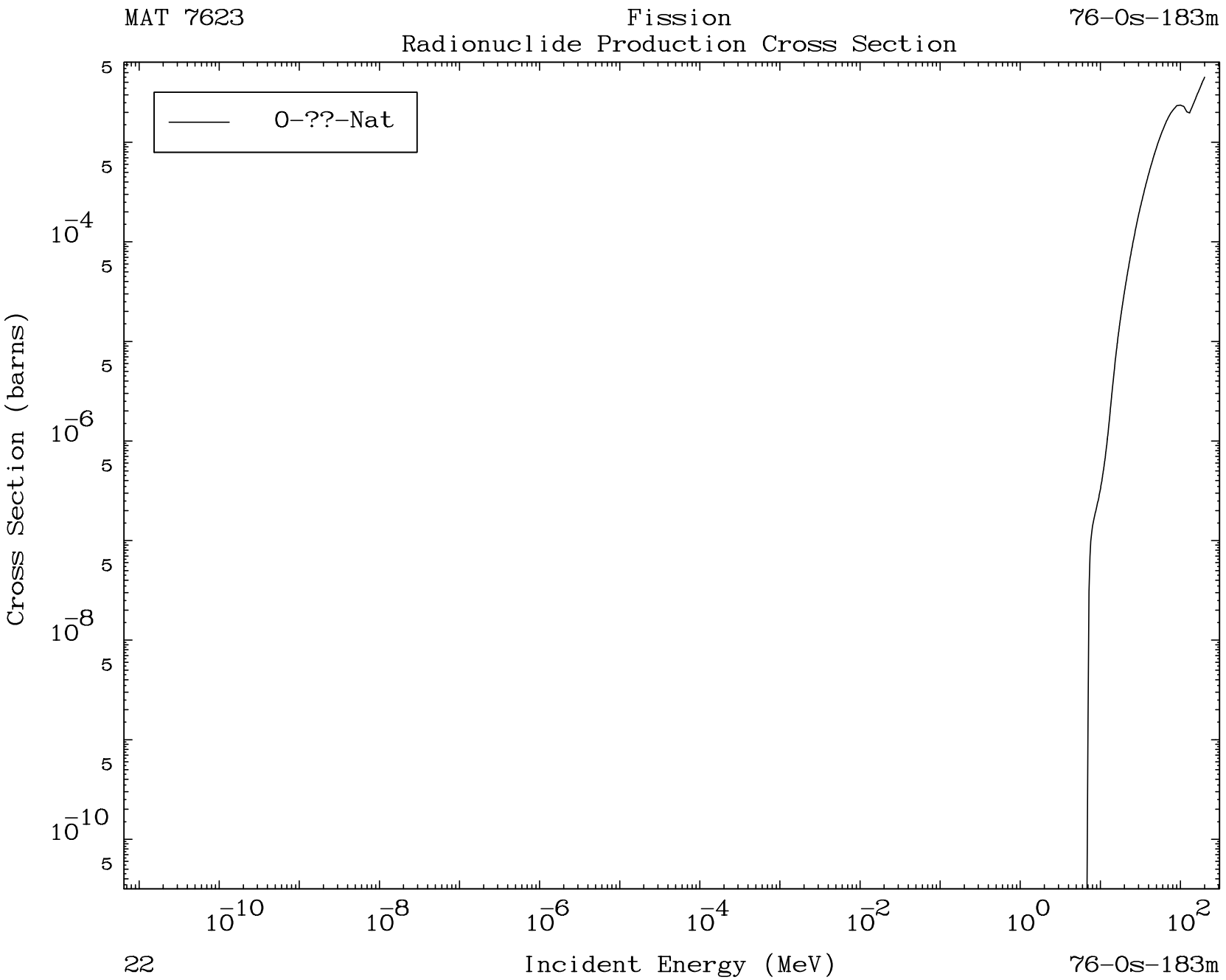

MAT 7623
Elastic
Legendre Coefficients
76-Os-183m
0.20
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
0
10
20
30
17
Incident Energy (MeV)
76-Os-183m

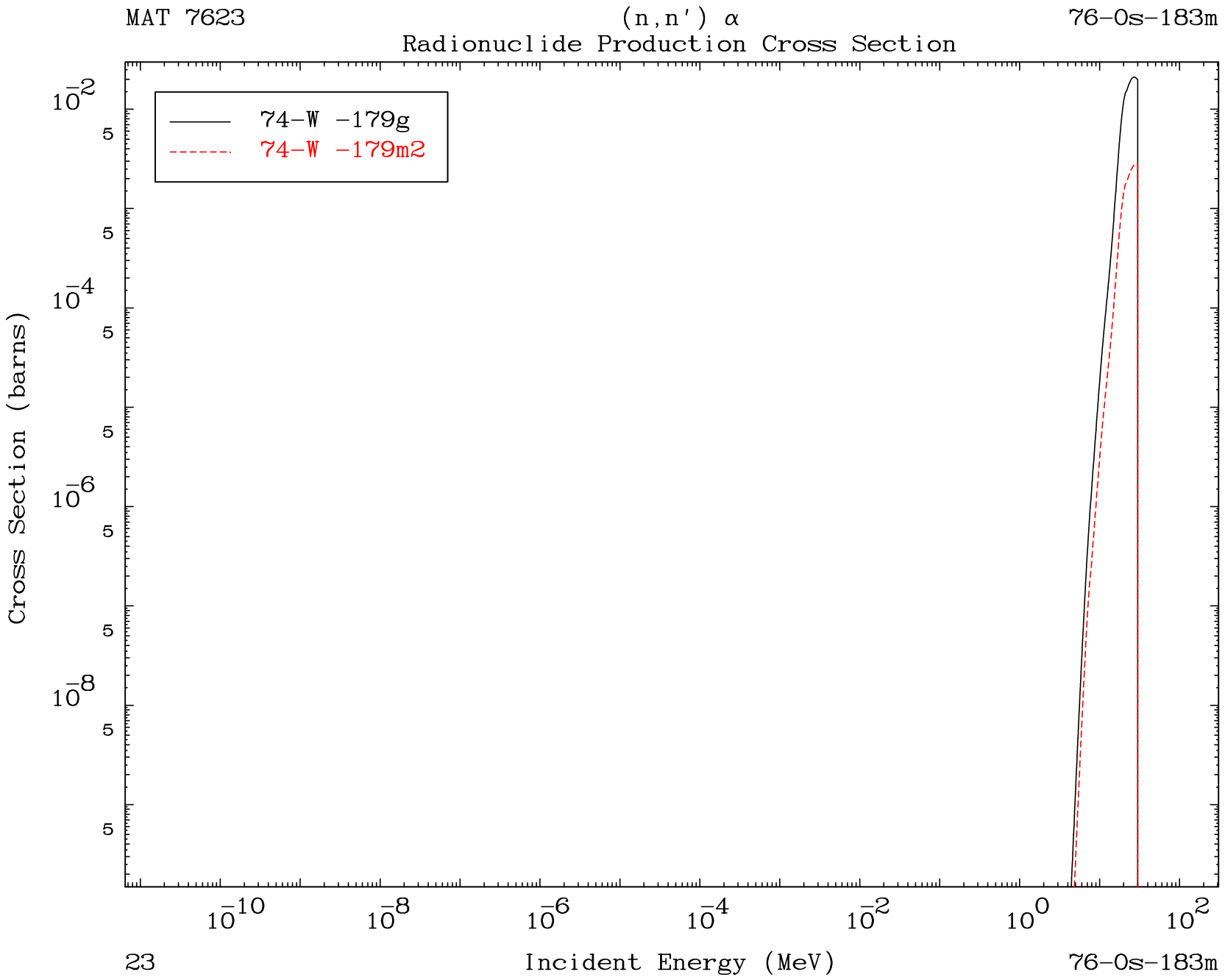

MAT 7623
Elastic
Legendre Coefficients
76-Os-183m
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
5
10
15
20
25
30
18
Incident Energy (MeV)
76-Os-183m

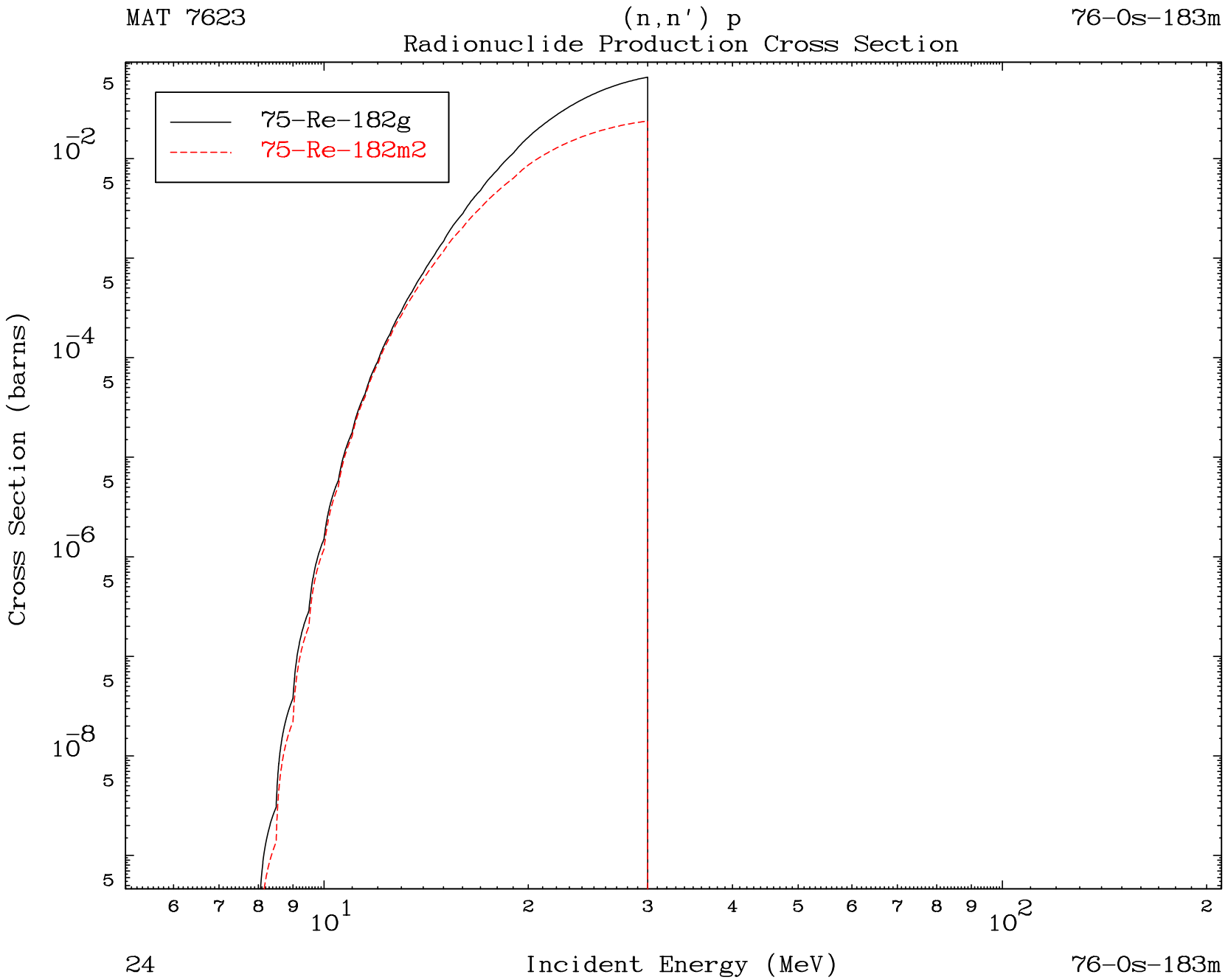

MAT 7623
Elastic
Legendre Coefficients
76-Os-183m
X10 −6
8
6
4
2
0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
15
20
25
30
19
Incident Energy (MeV)
76-Os-183m

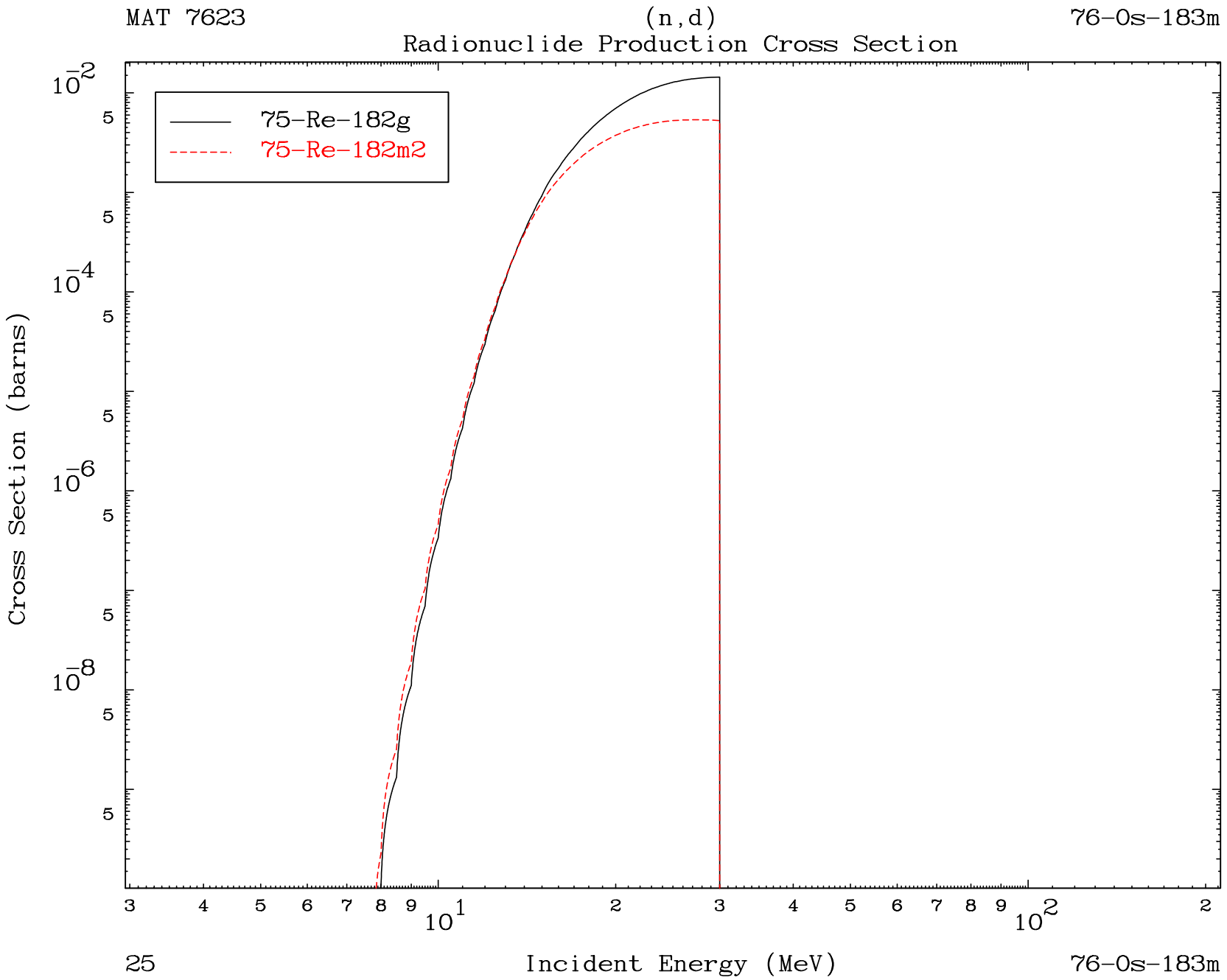

MAT 7623
Inelastic
76-Os-183m
Radionuclide Production Cross Section
76-Os-183g
76-Os-183m2
Cross Section (barns)
Incident Energy (MeV)
20
76-Os-183m


MAT 7623
(n,3n)
76-Os-183m
Radionuclide Production Cross Section
76-Os-181g
76-Os-181m1
Cross Section (barns)
Incident Energy (MeV)
21
76-Os-183m


MAT 7623
Fission
76-0s-183m
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
22
76-0s-183m


MAT 7623
(n,n') α
76-Os-183m
Radionuclide Production Cross Section
74-W -179g
74-W -179m2
Cross Section (barns)
Incident Energy (MeV)
23
76-Os-183m


MAT 7623
(n,n') p
76-Os-183m
Radionuclide Production Cross Section
75-Re-182g
75-Re-182m2
Cross Section (barns)
Incident Energy (MeV)
24
76-Os-183m


MAT 7623
(n,d)
76-Os-183m
Radionuclide Production Cross Section
75-Re-182g
75-Re-182m2
Cross Section (barns)
Incident Energy (MeV)
25
76-Os-183m