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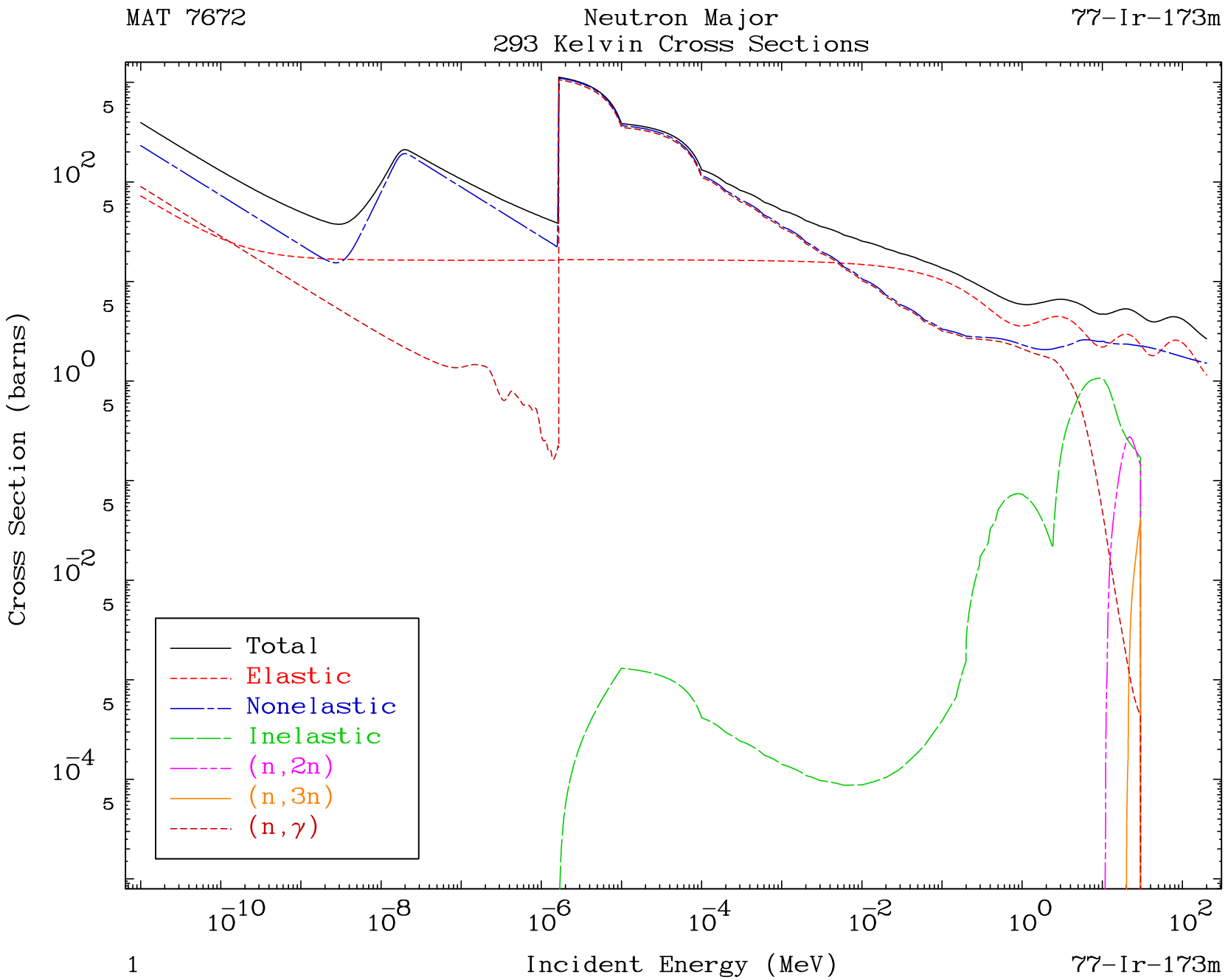
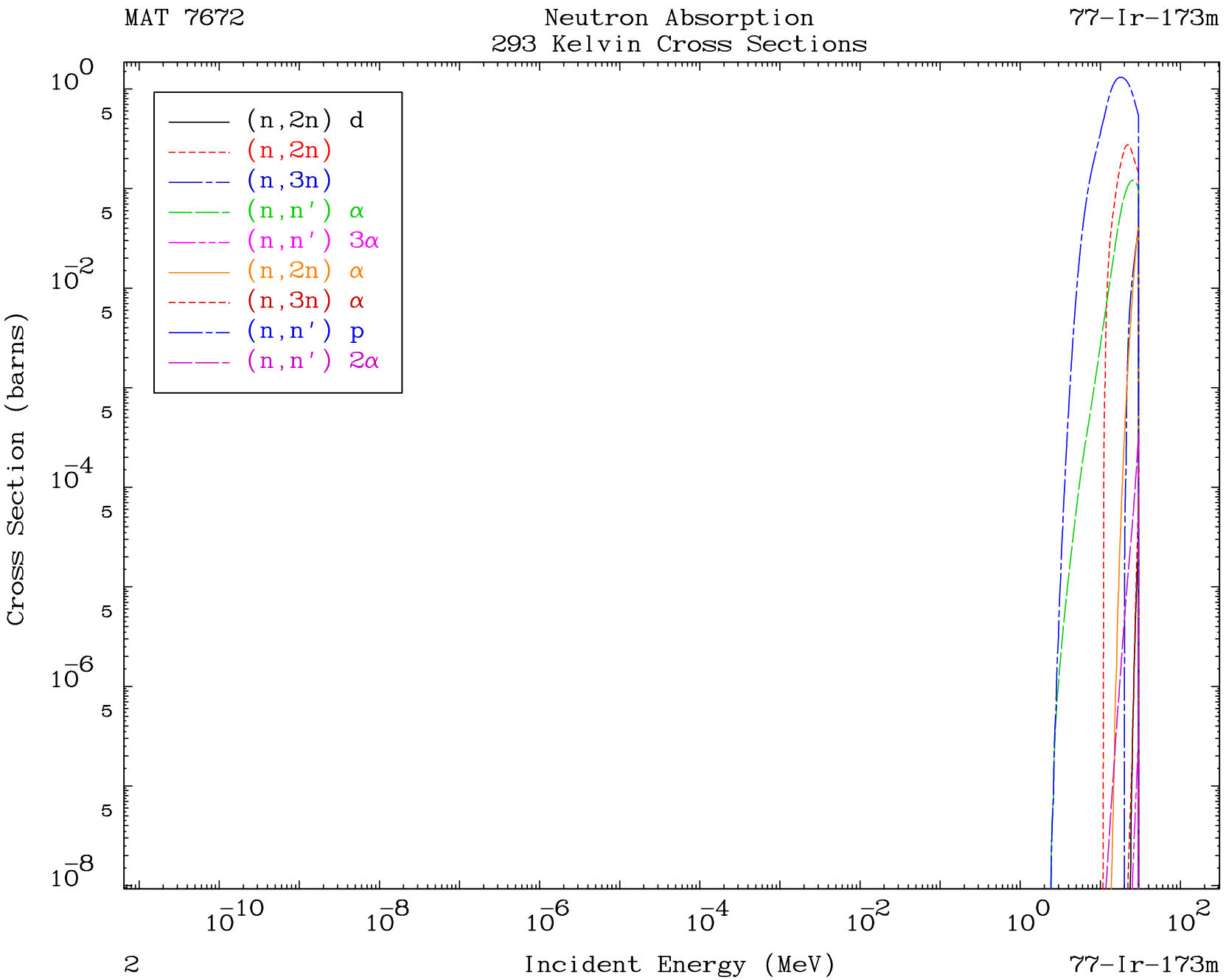
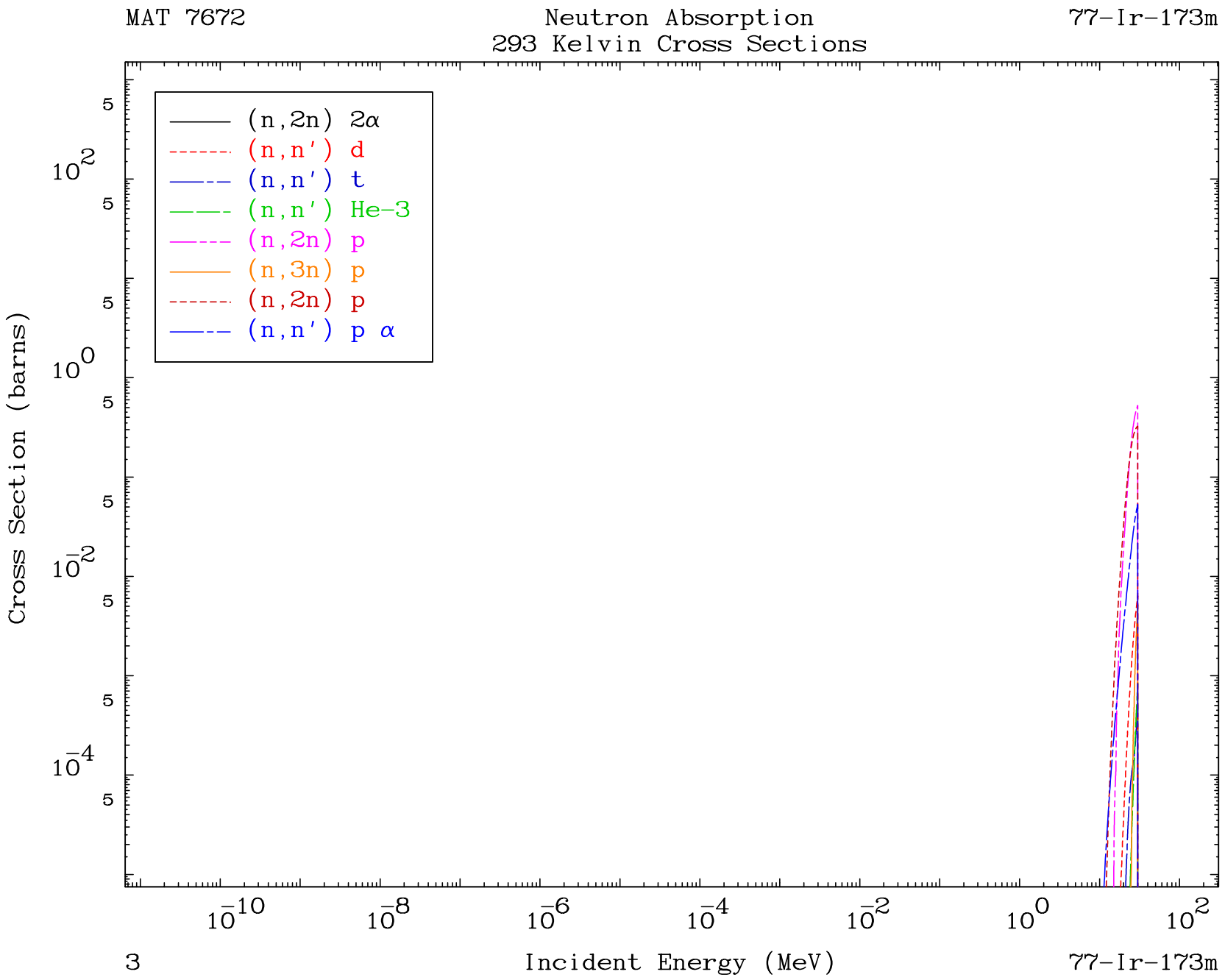
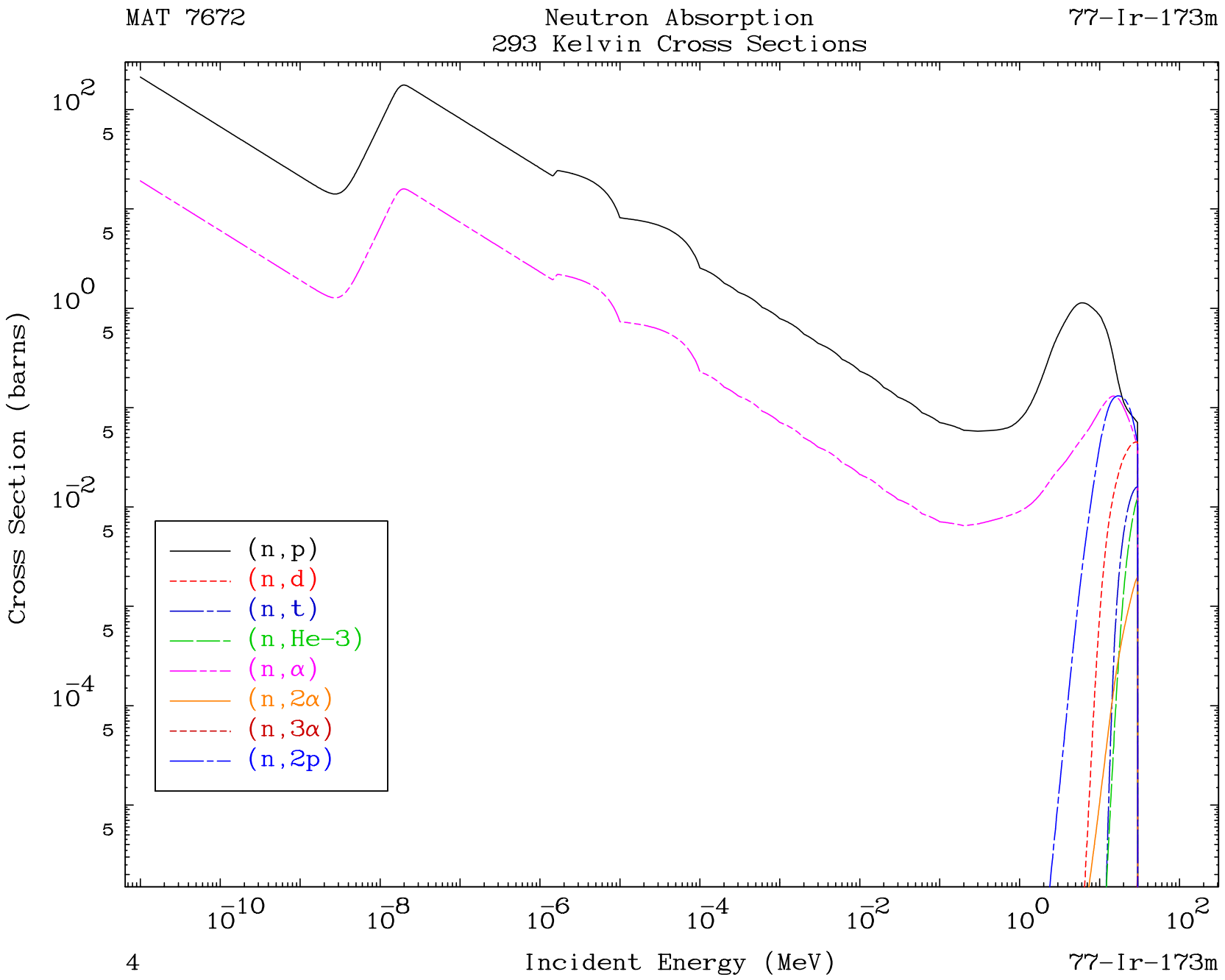
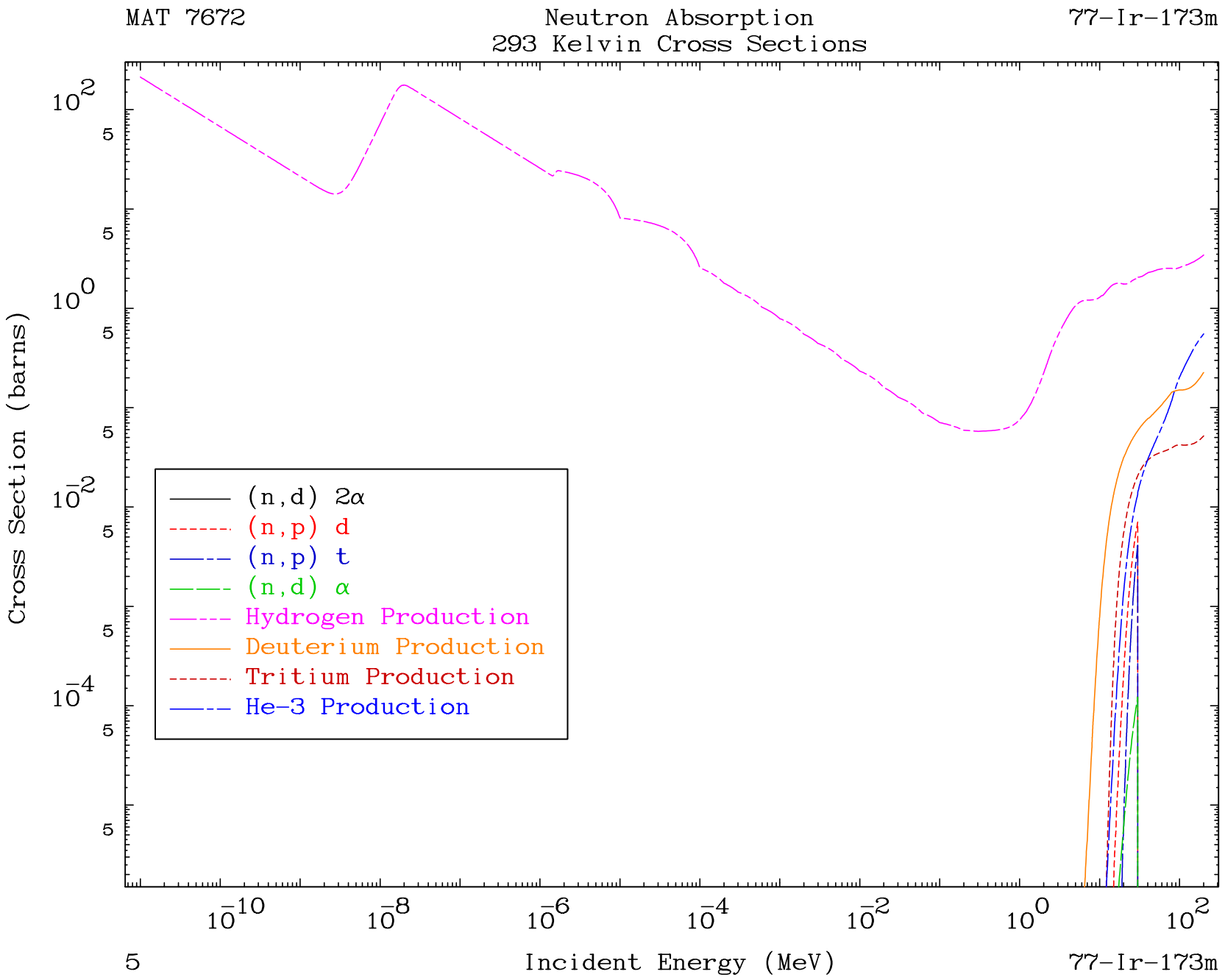
Press Mouse Button to Start

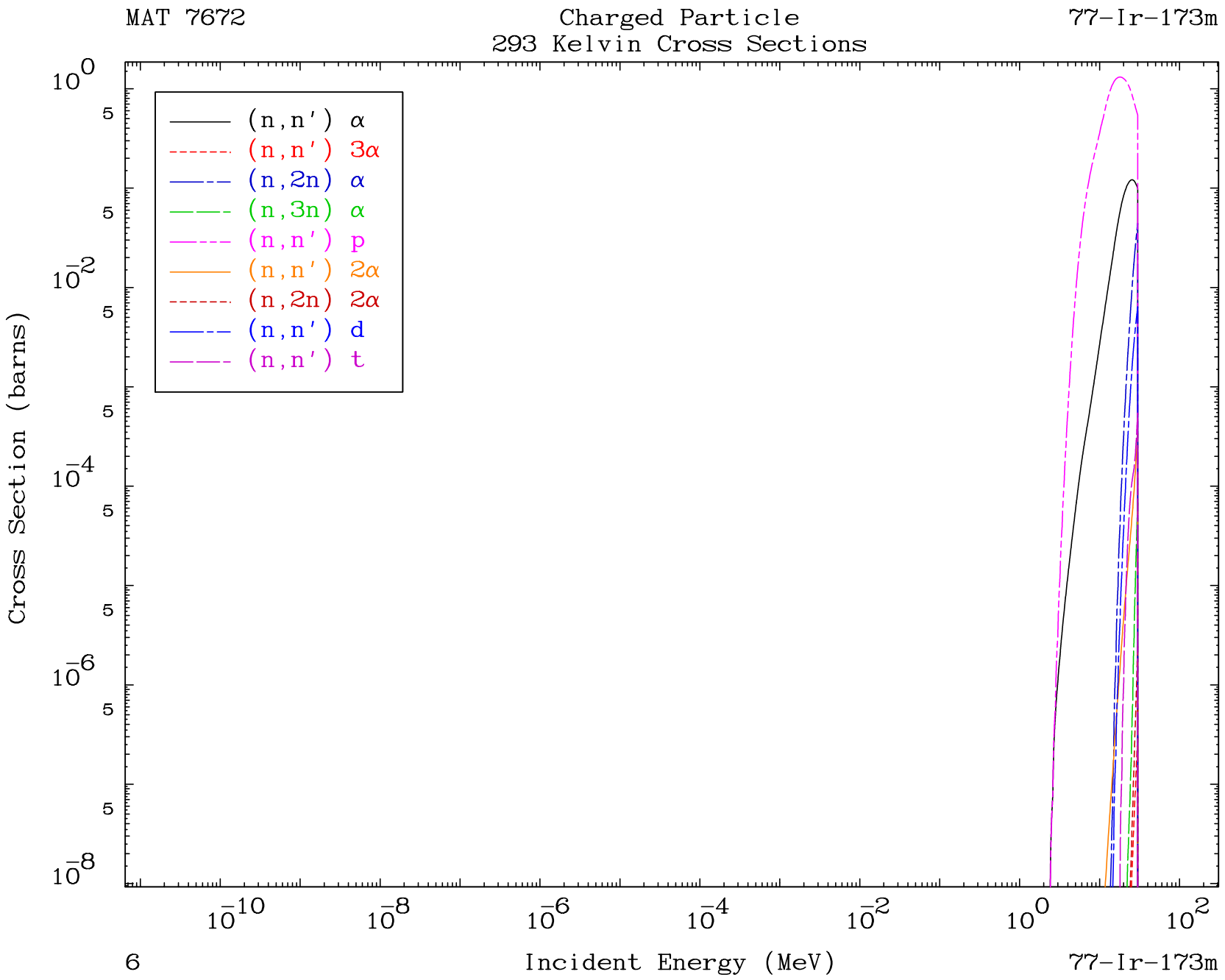

MAT 7672
Neutron Major
77-Ir-173m
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
77-Ir-173m

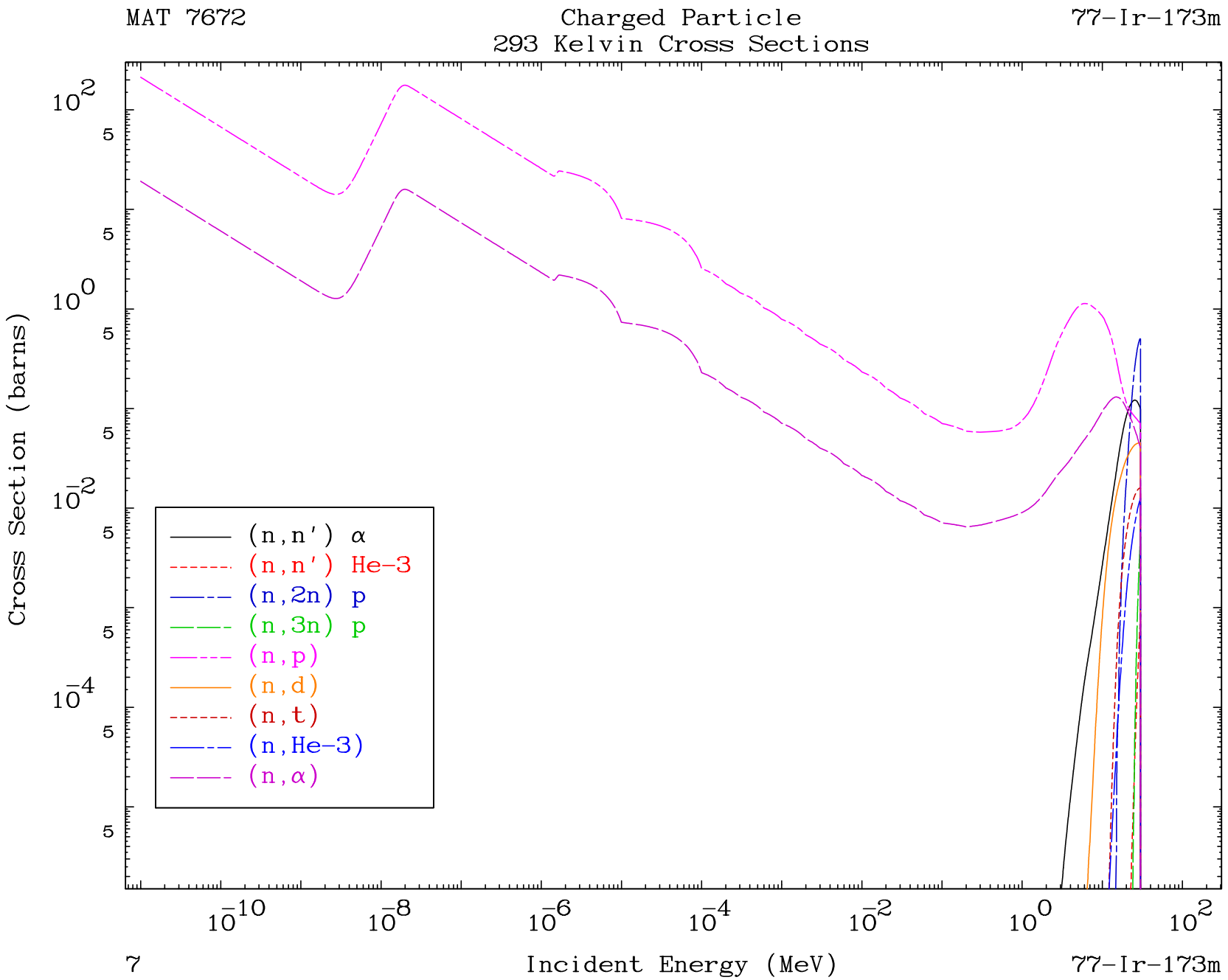

MAT 7672
Neutron Absorption
293 Kelvin Cross Sections
77-Ir-173m
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,n') 3α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
Cross Section (barns)
Incident Energy (MeV)
77-Ir-173m
2

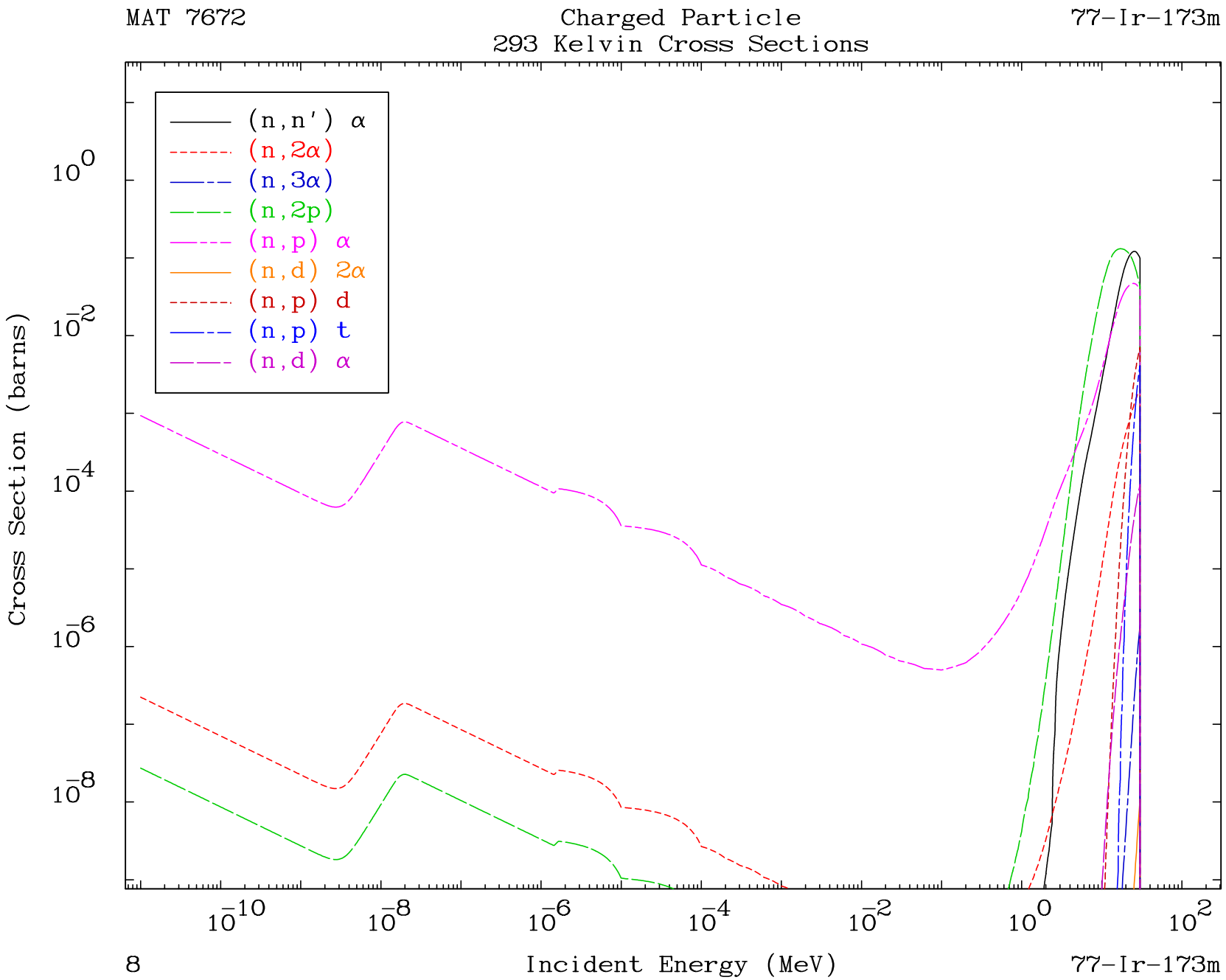

MAT 7672
Neutron Absorption
293 Kelvin Cross Sections
77-Ir-173m
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
3
77-Ir-173m

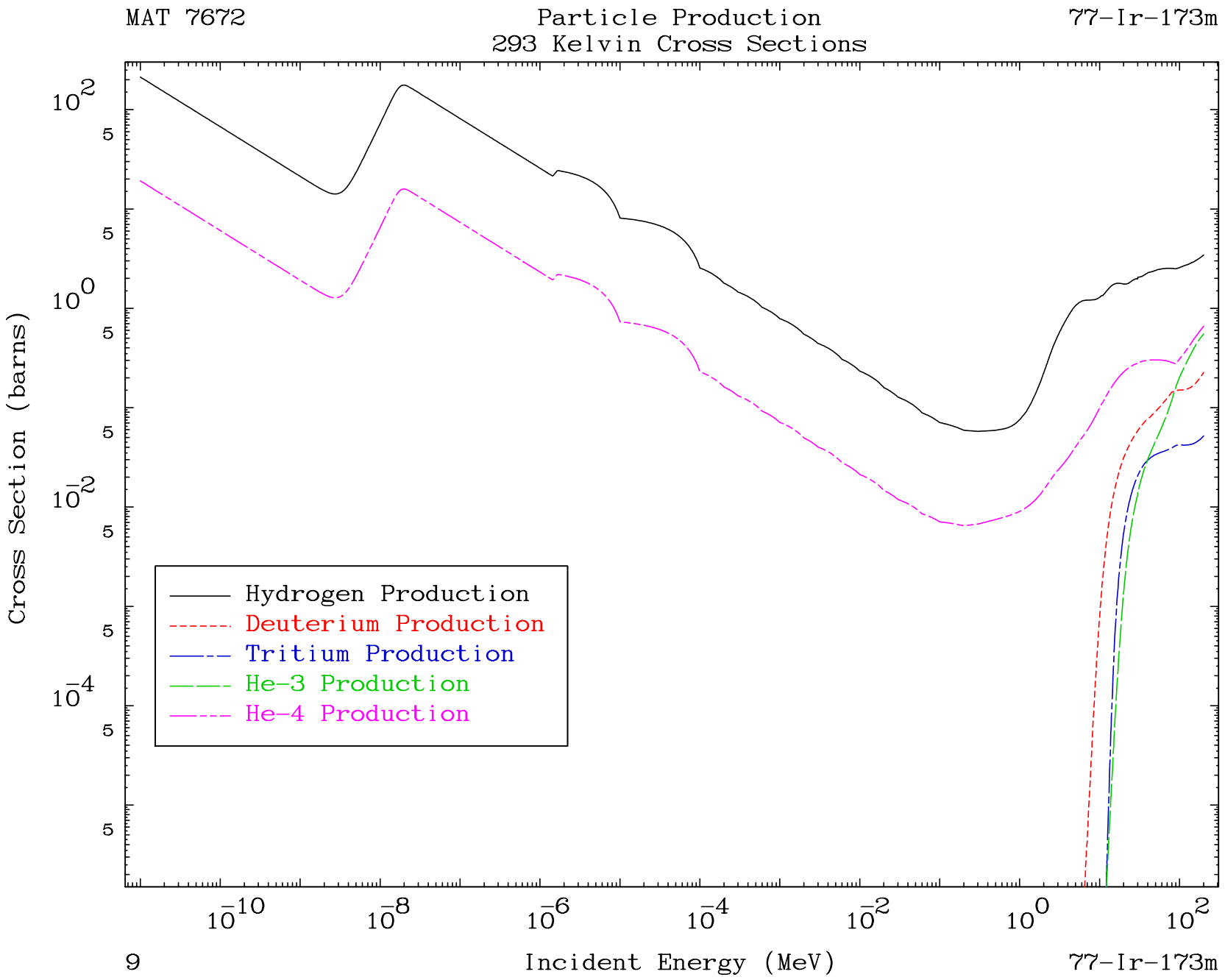

MAT 7672
Neutron Absorption
293 Kelvin Cross Sections
77-Ir-173m
Cross Section (barns)
Incident Energy (MeV)
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
4
77-Ir-173m

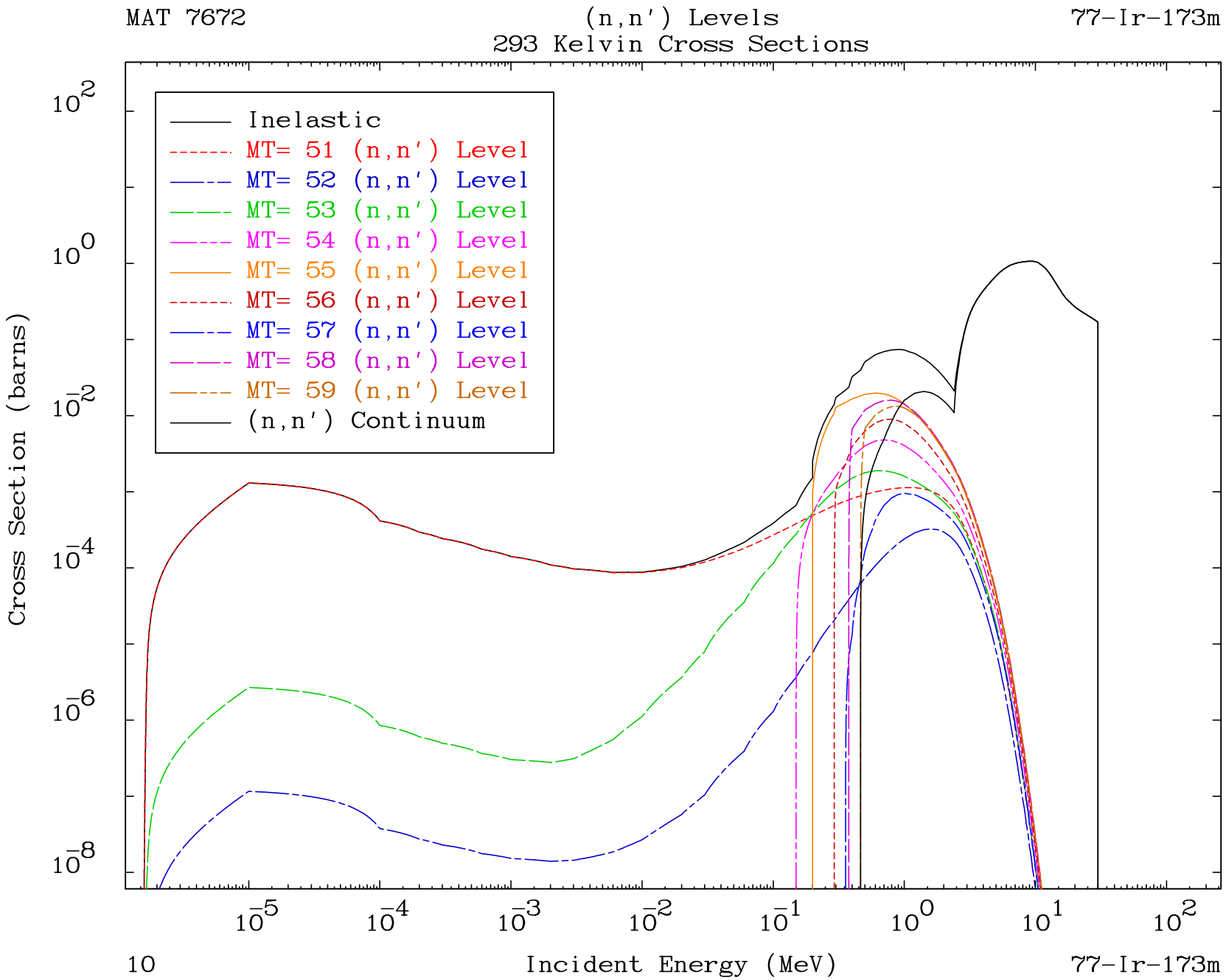

MAT 7672
Neutron Absorption
293 Kelvin Cross Sections
77-Ir-173m
Cross Section (barns)
Incident Energy (MeV)
77-Ir-173m
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production

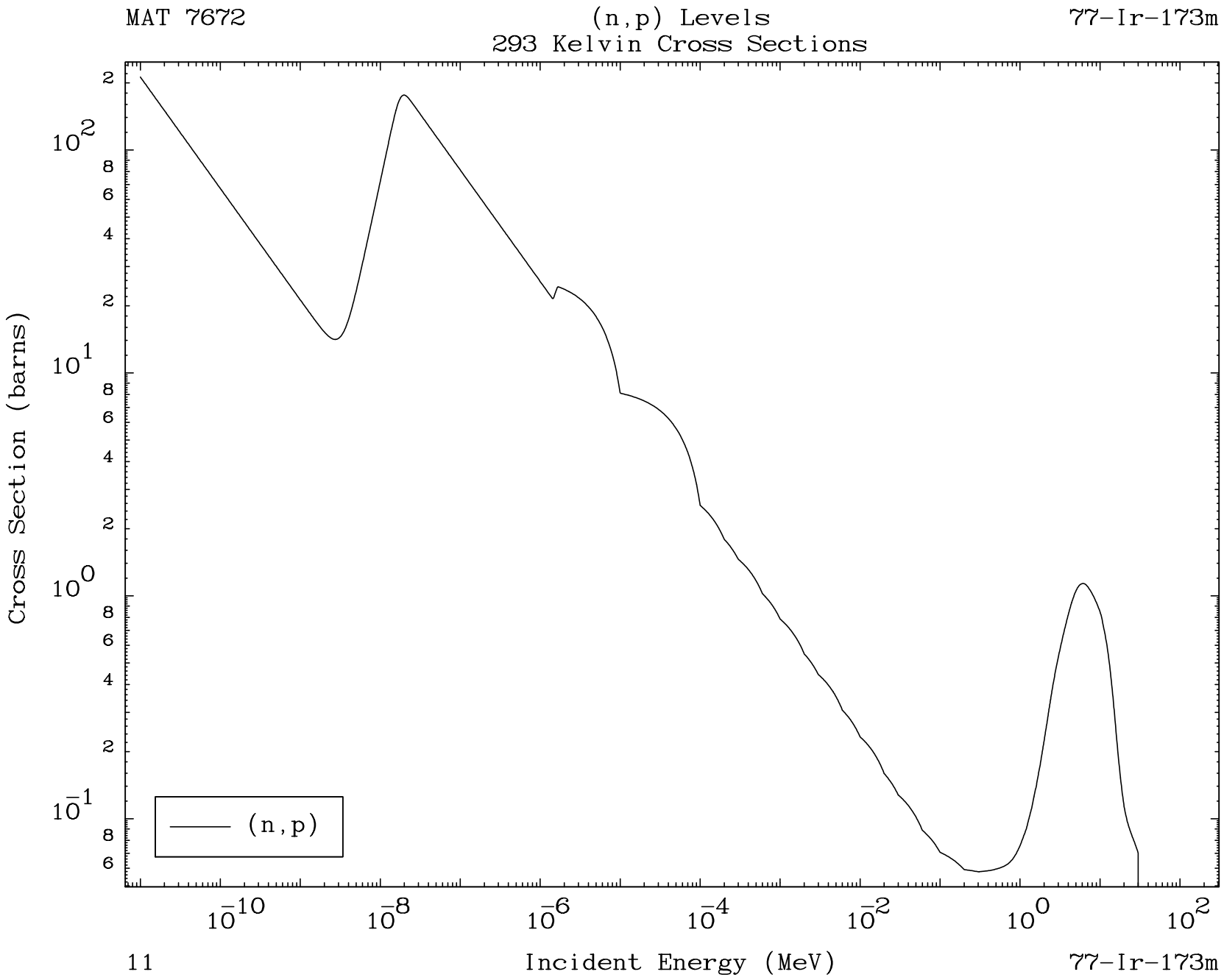

MAT 7672
Charged Particle
293 Kelvin Cross Sections
77-Ir-173m
(n,n') α
(n,n') 3α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,2n) 2α
(n,n') d
(n,n') t
Cross Section (barns)
Incident Energy (MeV)
77-Ir-173m
6

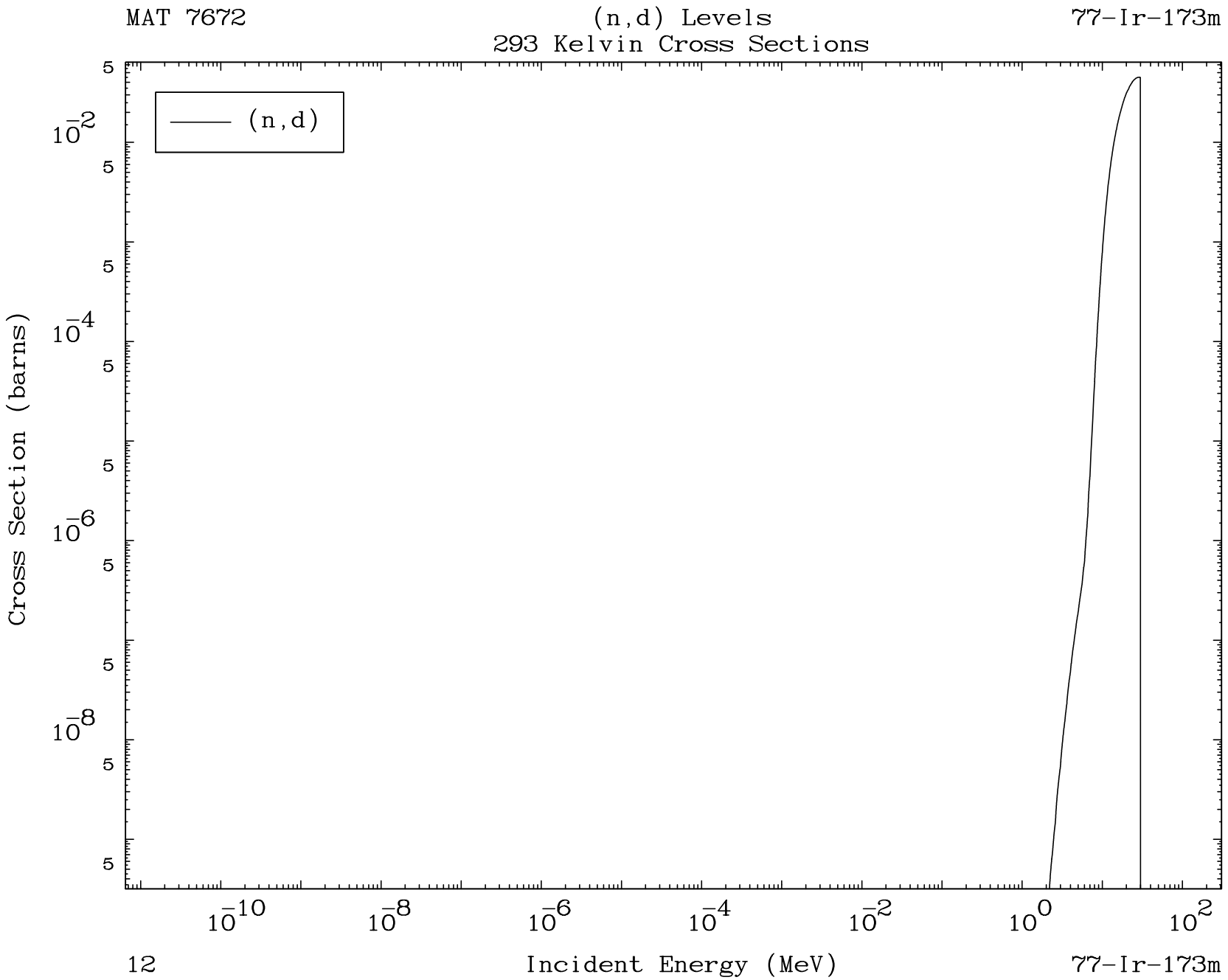

MAT 7672
Charged Particle
77-Ir-173m
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
(n,n') α
(n,n') He-3
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
7
77-Ir-173m

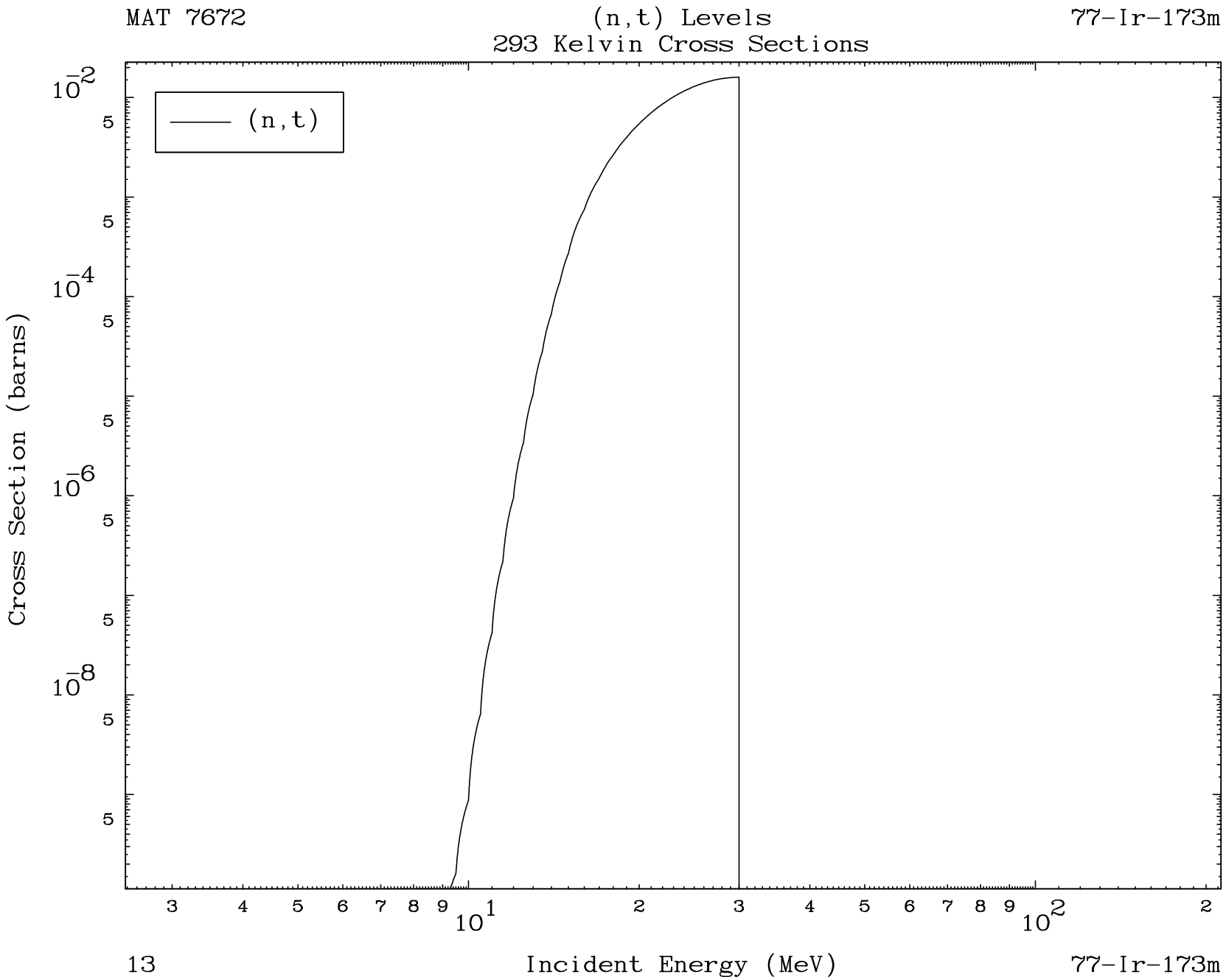

MAT 7672
Charged Particle
293 Kelvin Cross Sections
77-Ir-173m
(n,n') α
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,d) 2α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
8
77-Ir-173m

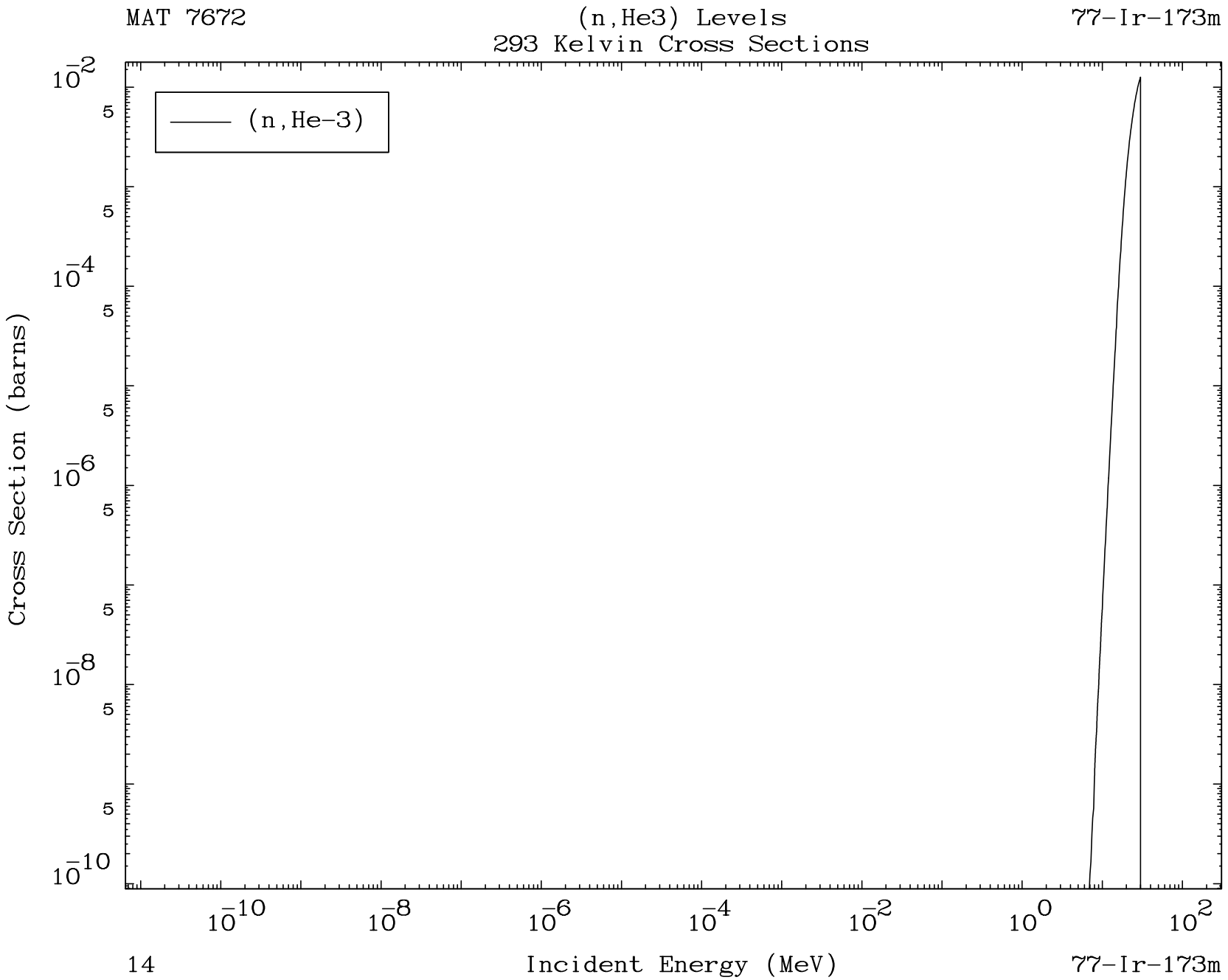

MAT 7672
Particle Production
293 Kelvin Cross Sections
77-Ir-173m
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
9
77-Ir-173m

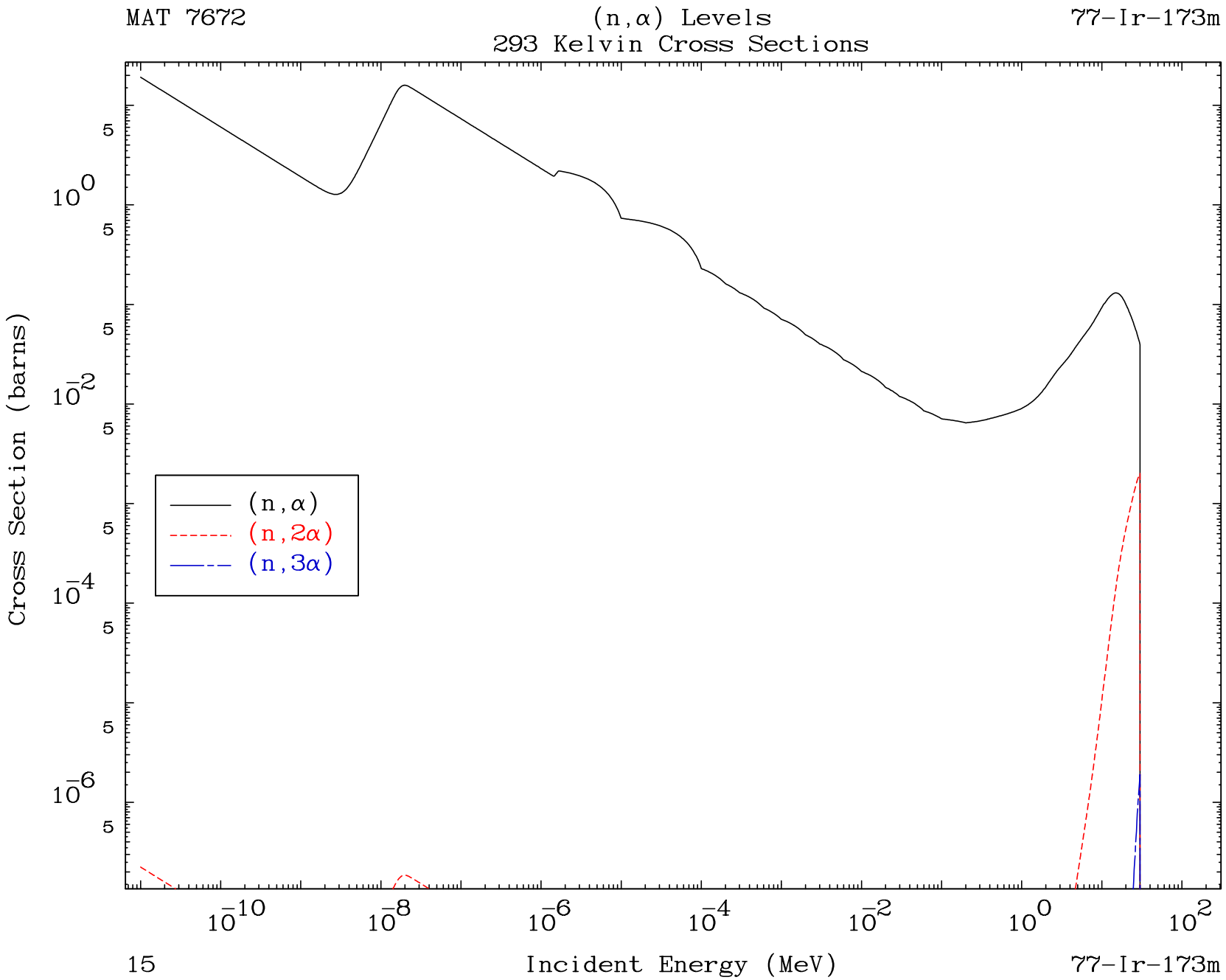

MAT 7672
(n,n') Levels
293 Kelvin Cross Sections
77-Ir-173m
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
MT= 59 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
10
77-Ir-173m

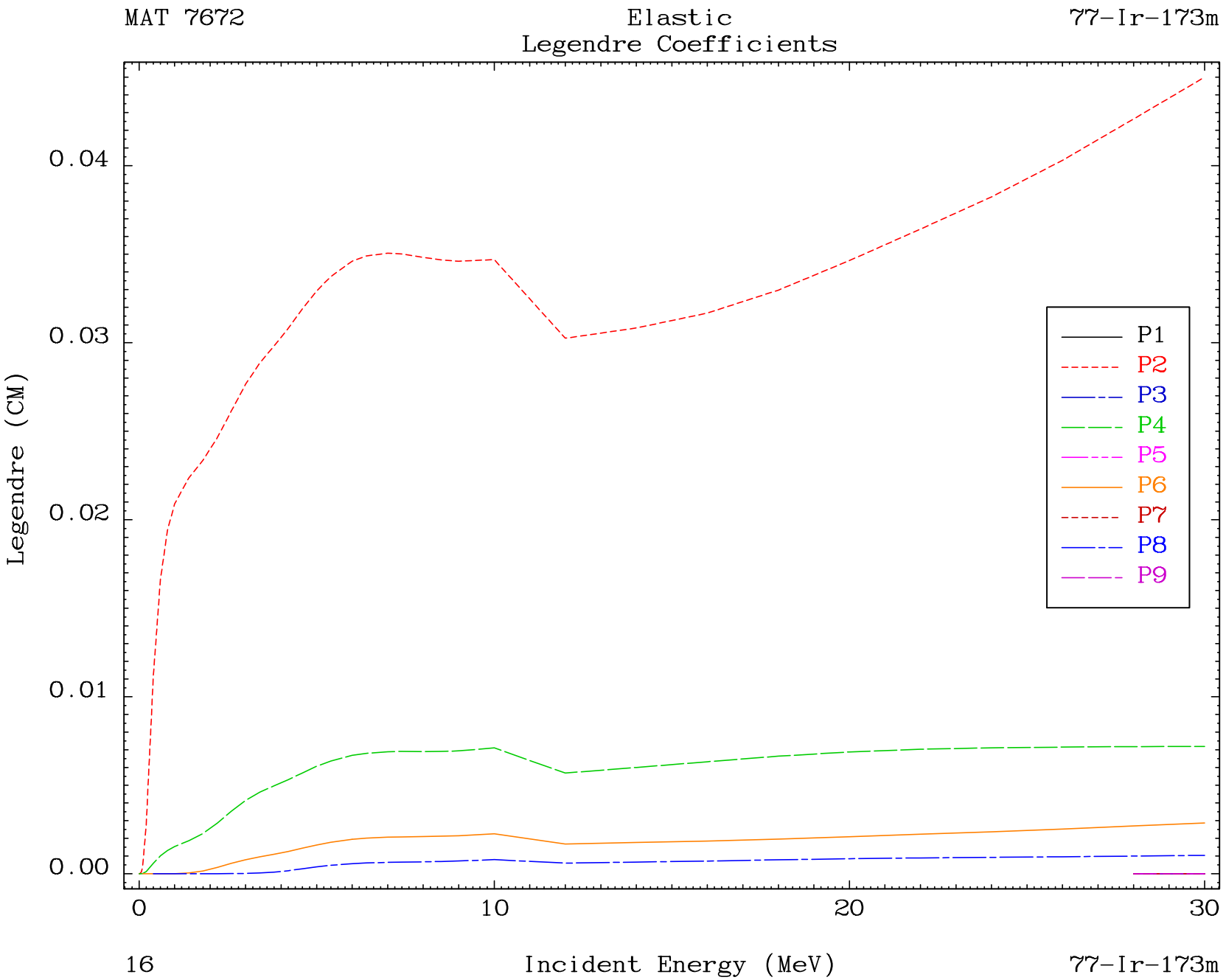

MAT 7672
(n,p) Levels
77-Ir-173m
293 Kelvin Cross Sections
Cross Section (barns)
(n,p)
Incident Energy (MeV)
11
77-Ir-173m

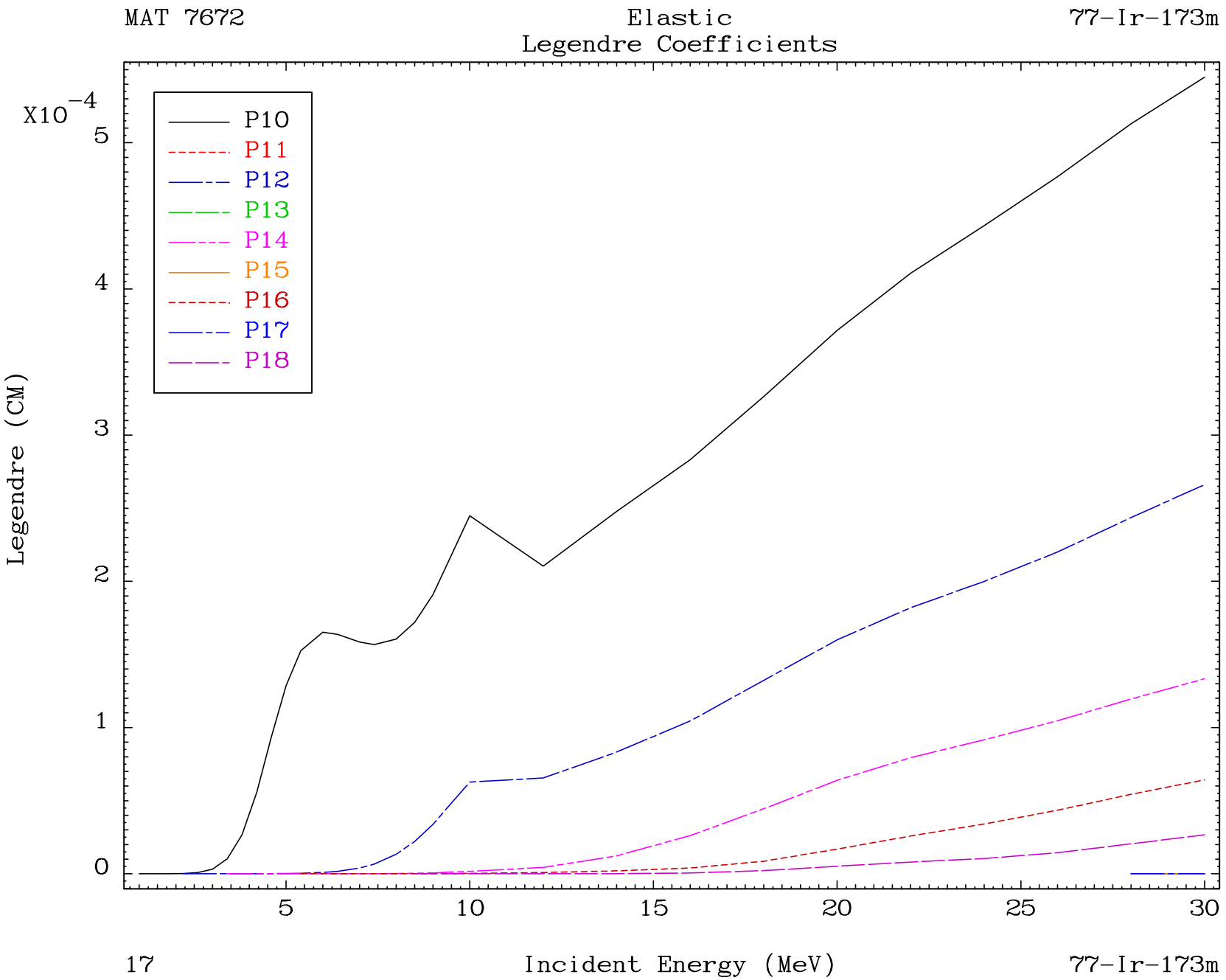

MAT 7672
(n,d) Levels
293 Kelvin Cross Sections
77-Ir-173m
(n,d)
Cross Section (barns)
Incident Energy (MeV)
12
77-Ir-173m

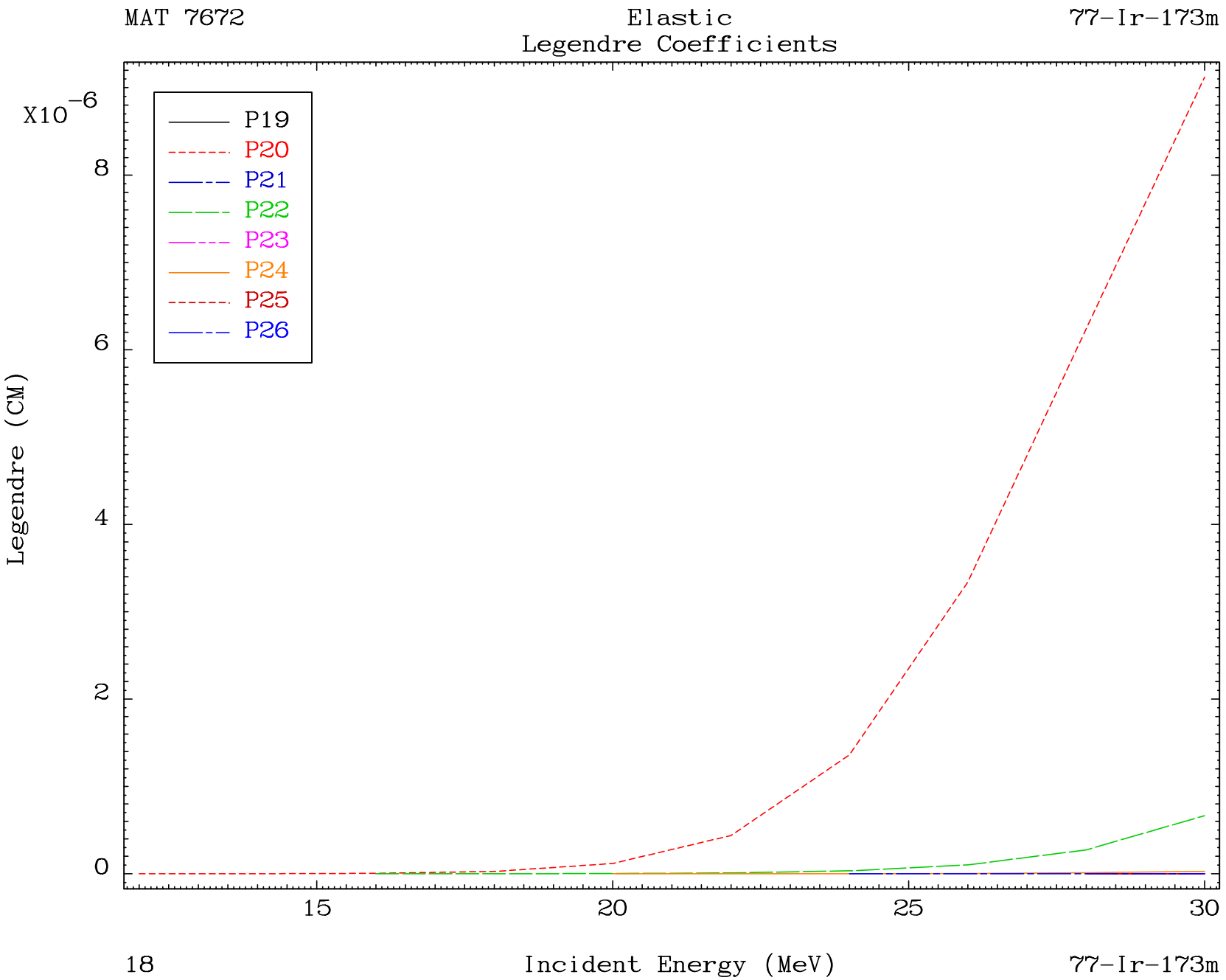

MAT 7672
(n,t) Levels
77-Ir-173m
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
13
77-Ir-173m

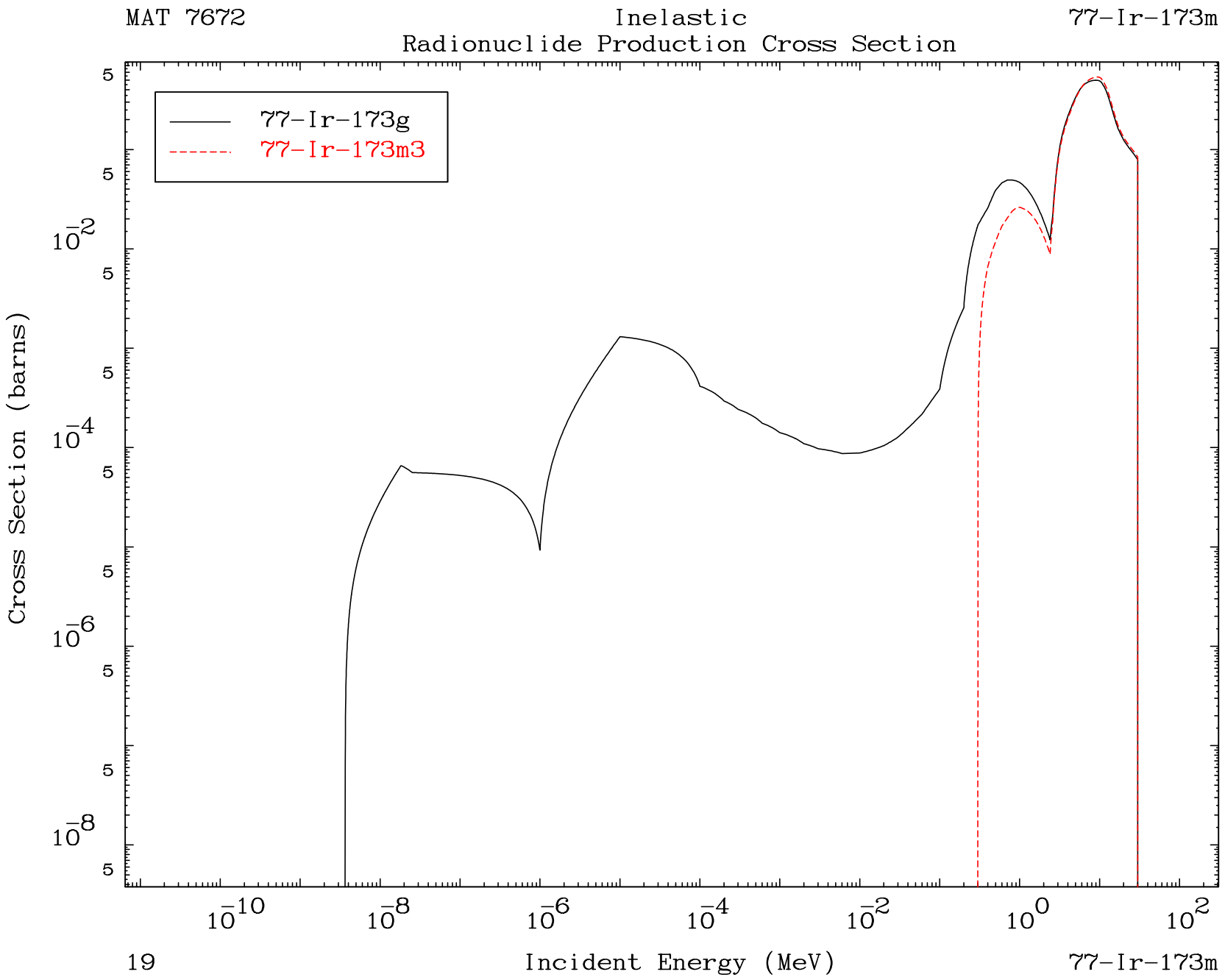

MAT 7672
(n,He3) Levels
77-Ir-173m
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
14
77-Ir-173m

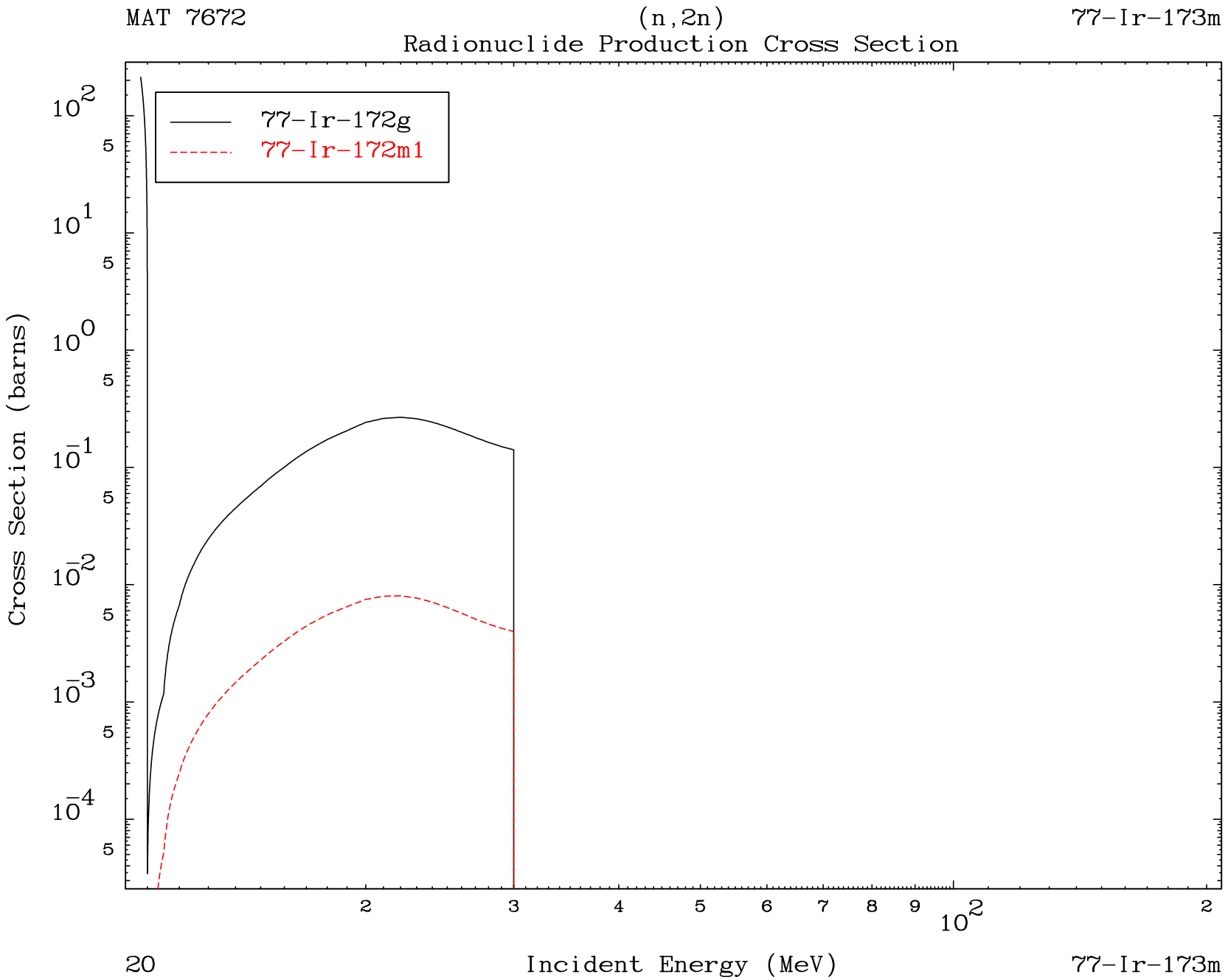

MAT 7672
(n,α) Levels
293 Kelvin Cross Sections
77-Ir-173m
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
(n,α)
(n,2α)
(n,3α)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
77-Ir-173m

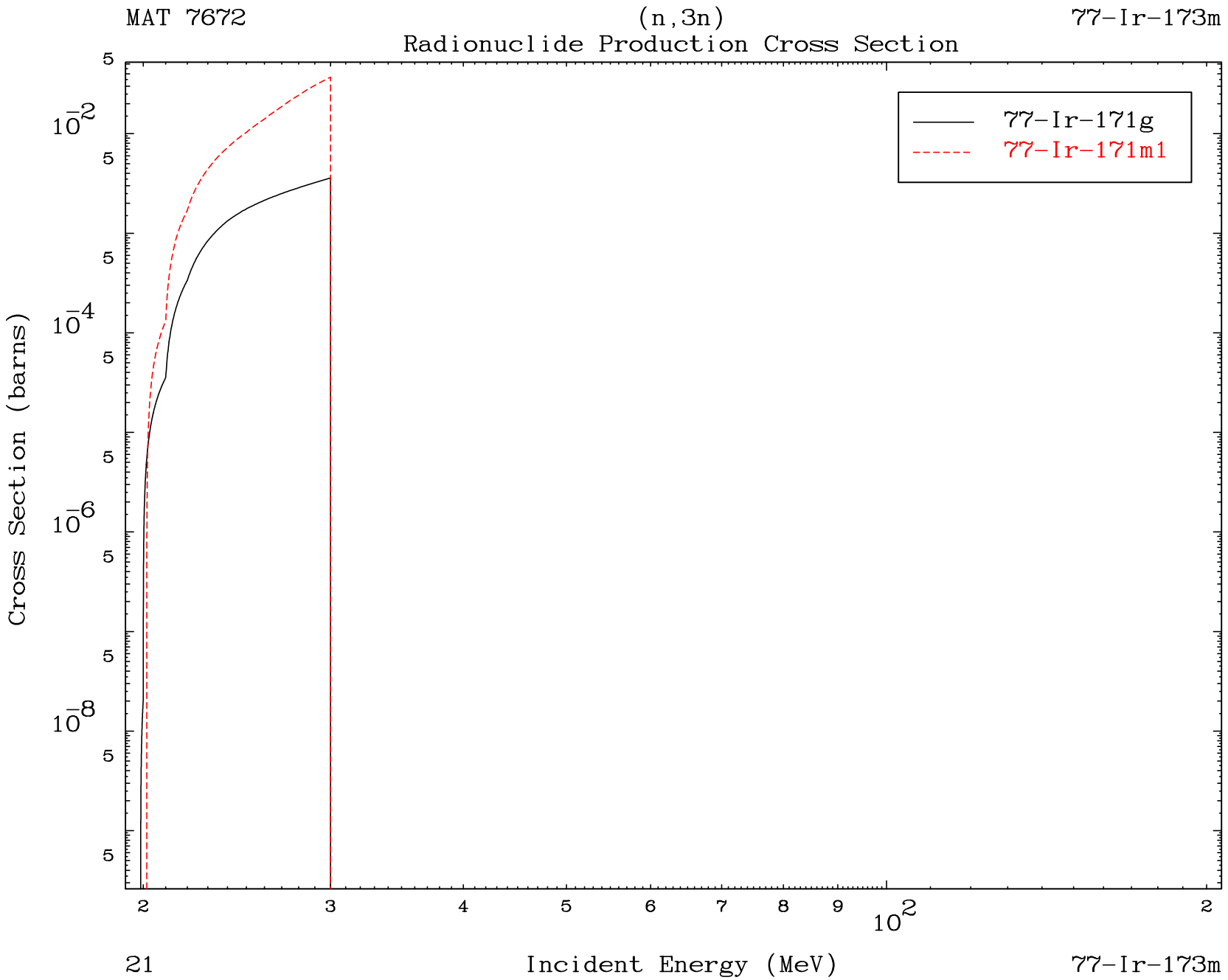

MAT 7672
Elastic
Legendre Coefficients
77-Ir-173m
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
10
20
30
16
Incident Energy (MeV)
77-Ir-173m

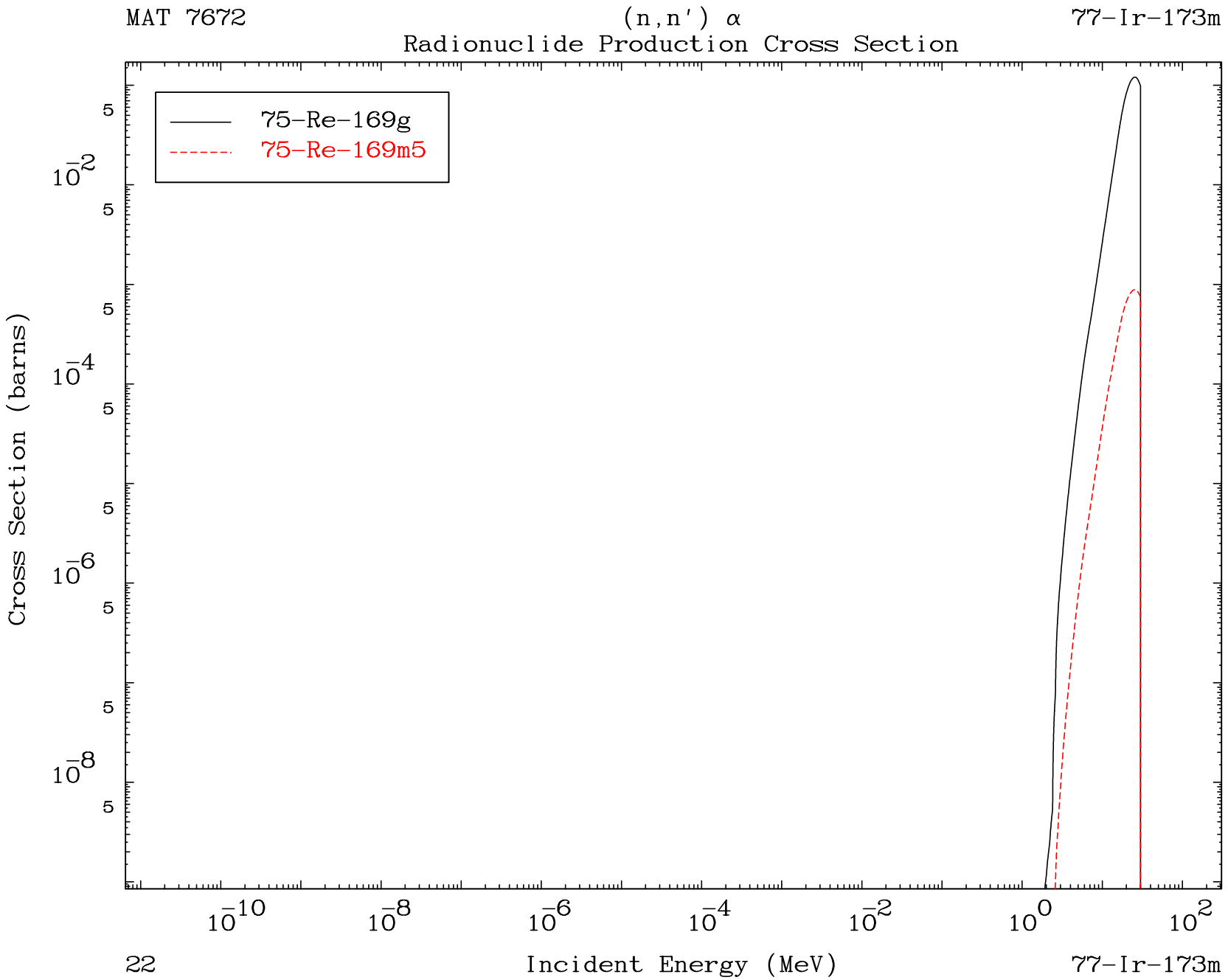

MAT 7672
Elastic
Legendre Coefficients
77-Ir-173m
X10^{-4}
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0
1
2
3
4
5
5
10
15
20
25
30
17
Incident Energy (MeV)
77-Ir-173m

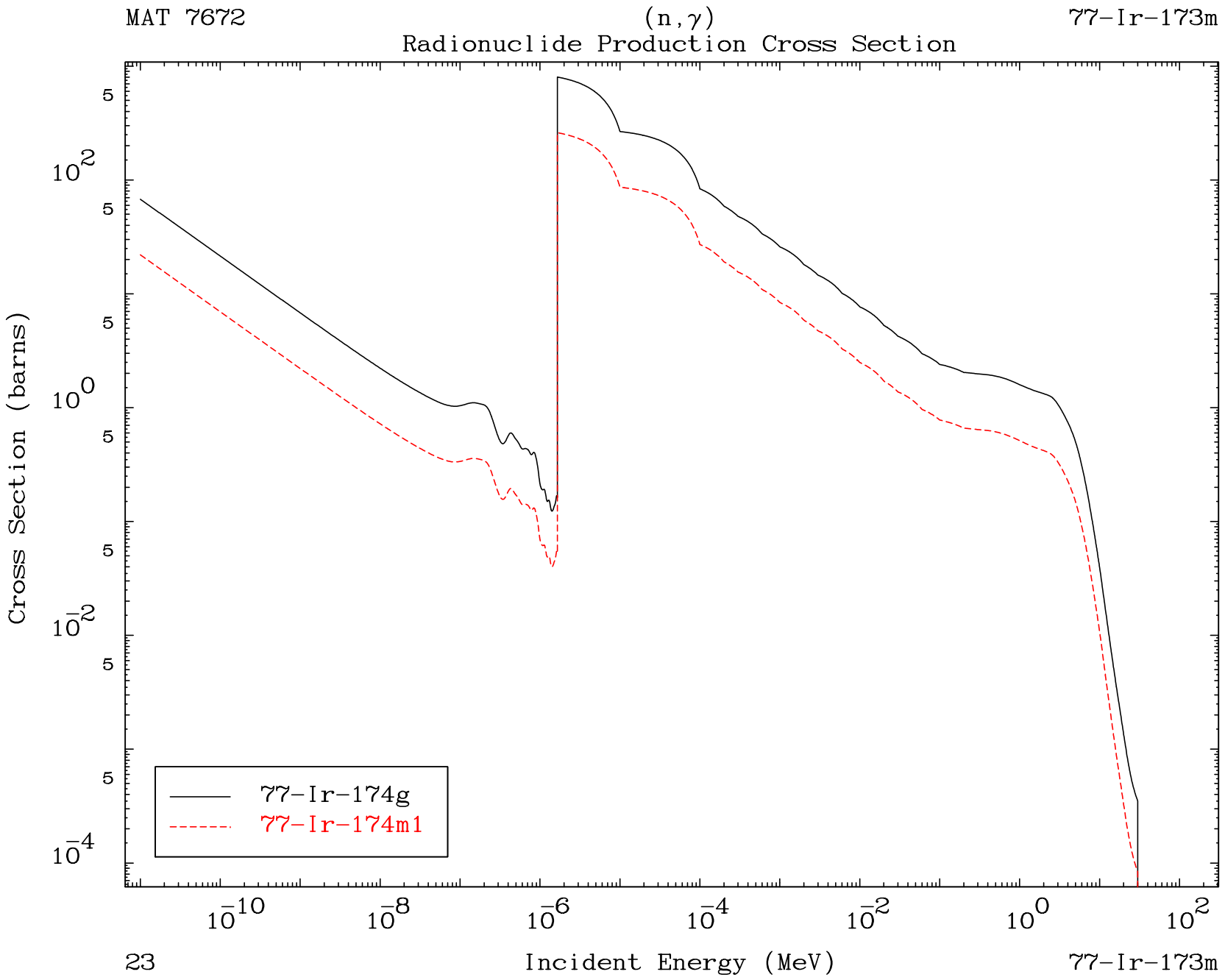

MAT 7672
Elastic
Legendre Coefficients
77-Ir-173m
X10^-6
8
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
15
20
25
30
18
Incident Energy (MeV)
77-Ir-173m

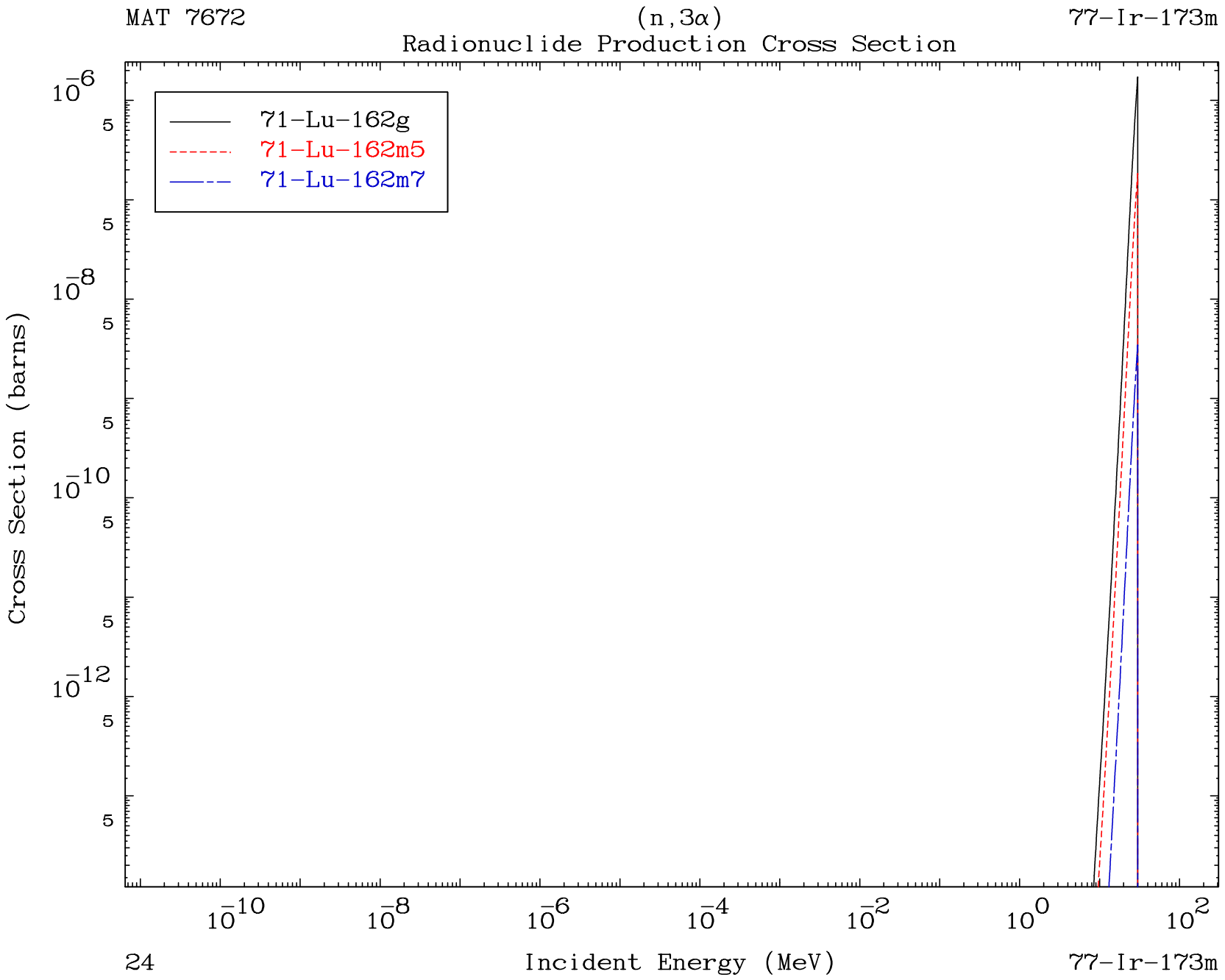

MAT 7672
Inelastic
77-Ir-173m
Radionuclide Production Cross Section
77-Ir-173g
77-Ir-173m3
Cross Section (barns)
Incident Energy (MeV)
19
77-Ir-173m

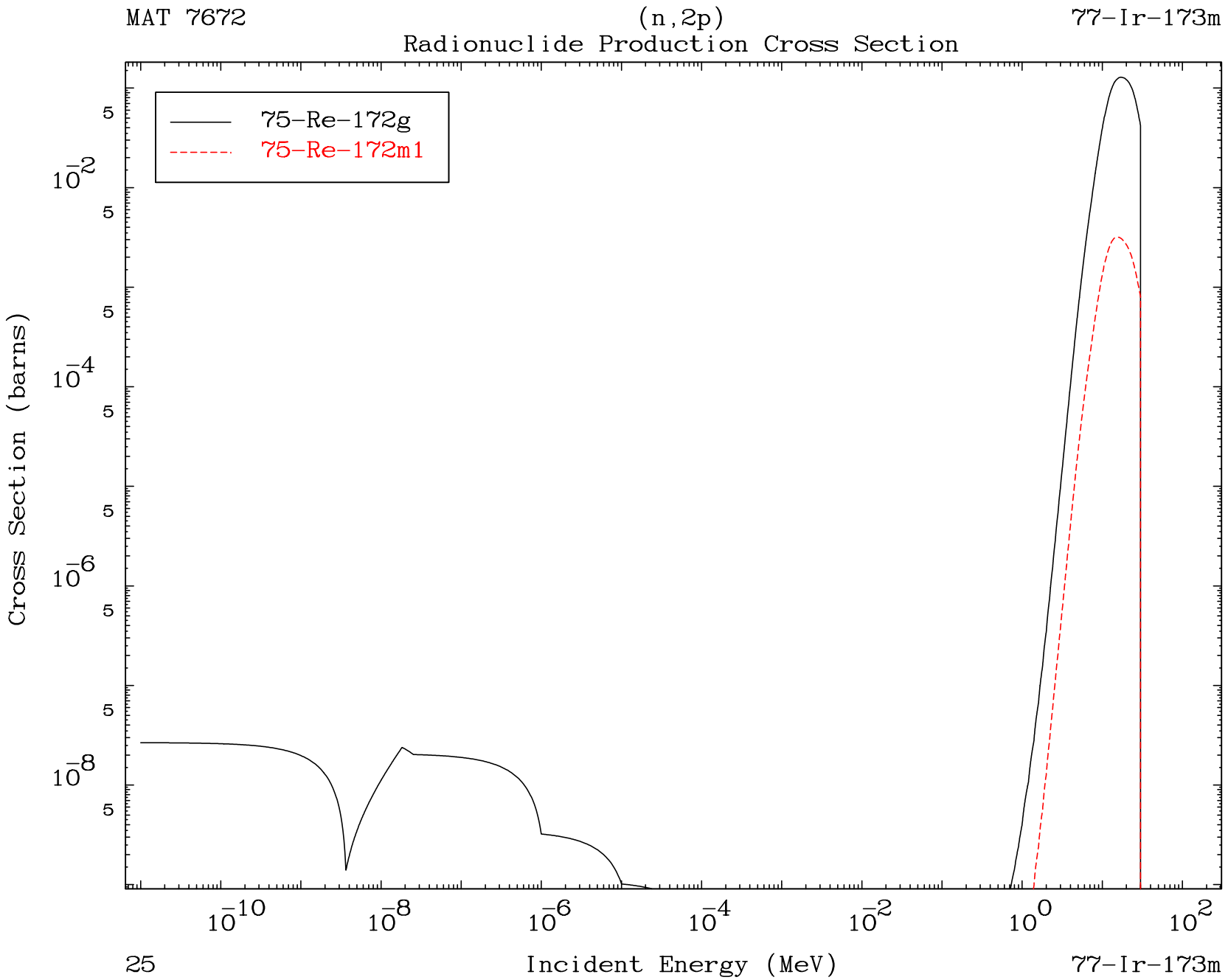

MAT 7672
(n,2n)
77-Ir-173m
Radionuclide Production Cross Section
77-Ir-172g
77-Ir-172m1
Cross Section (barns)
Incident Energy (MeV)
20
77-Ir-173m


MAT 7672
(n,3n)
77-Ir-173m
Radionuclide Production Cross Section
77-Ir-171g
77-Ir-171m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
77-Ir-173m


MAT 7672
(n,n') α
77-Ir-173m
Radionuclide Production Cross Section
75-Re-169g
75-Re-169m5
Cross Section (barns)
Incident Energy (MeV)
22
77-Ir-173m


MAT 7672
(n,γ)
77-Ir-173m
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
77-Ir-174g
77-Ir-174m1
23
Incident Energy (MeV)
77-Ir-173m


MAT 7672
(n,3α)
77-Ir-173m
Radionuclide Production Cross Section
71-Lu-162g
71-Lu-162m5
71-Lu-162m7
Cross Section (barns)
Incident Energy (MeV)
24
77-Ir-173m


MAT 7672
(n,2p)
77-Ir-173m
Radionuclide Production Cross Section
75-Re-172g
75-Re-172m1
Cross Section (barns)
Incident Energy (MeV)
25
77-Ir-173m