

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

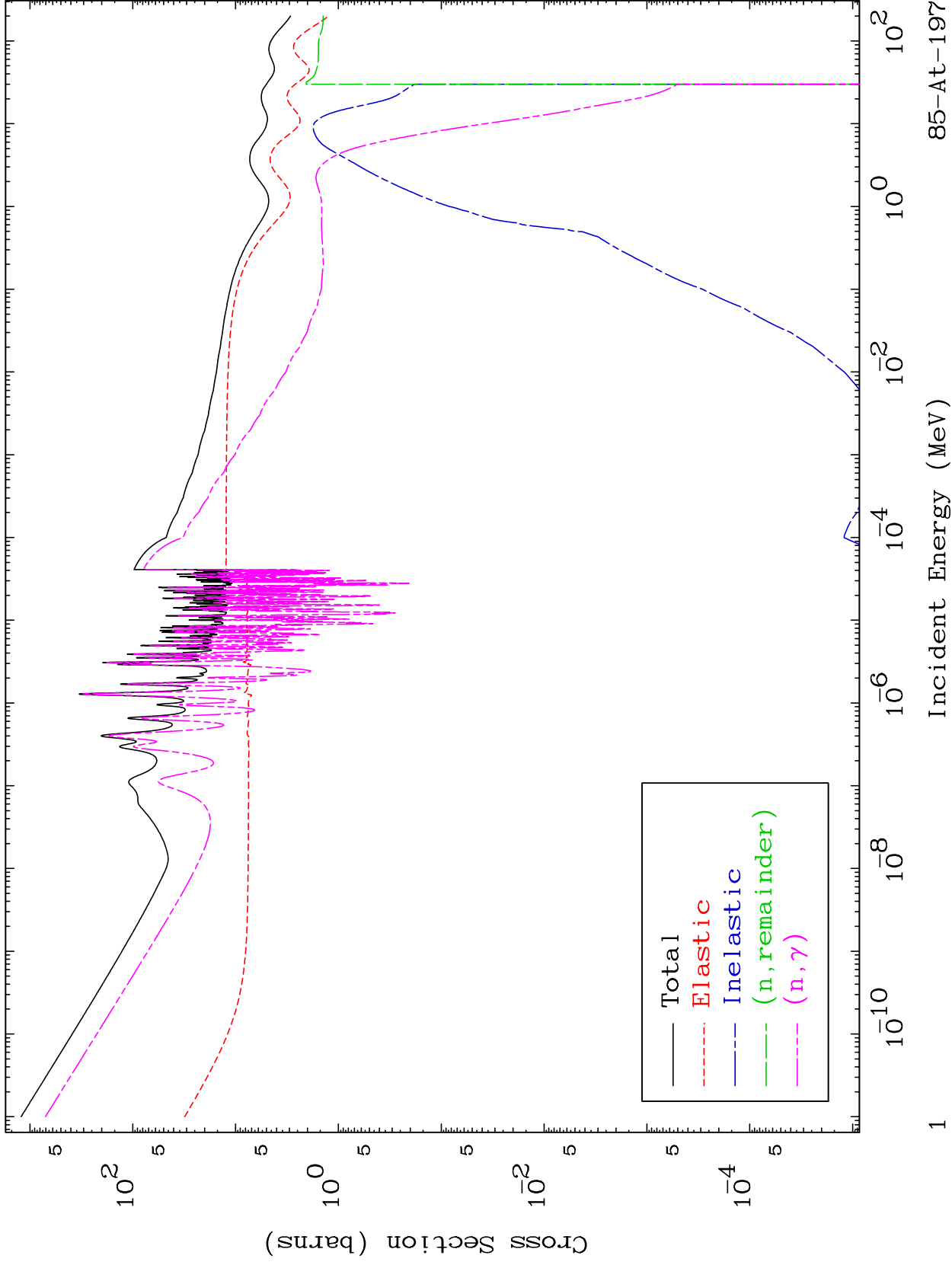
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8508

Major
293 Kelvin Cross Sections

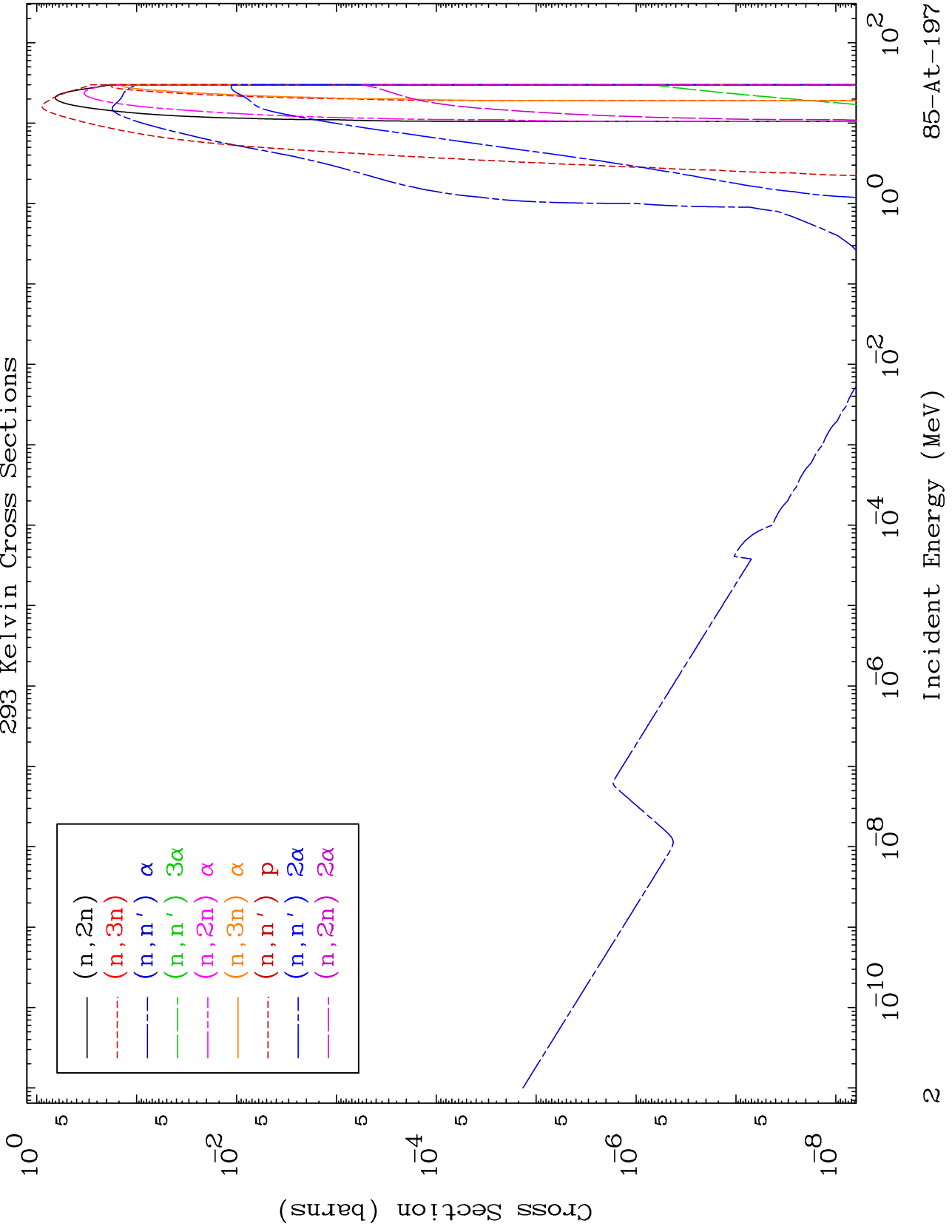
85-At-197



MAT 8508

Neutron Production
293 Kelvin Cross Sections

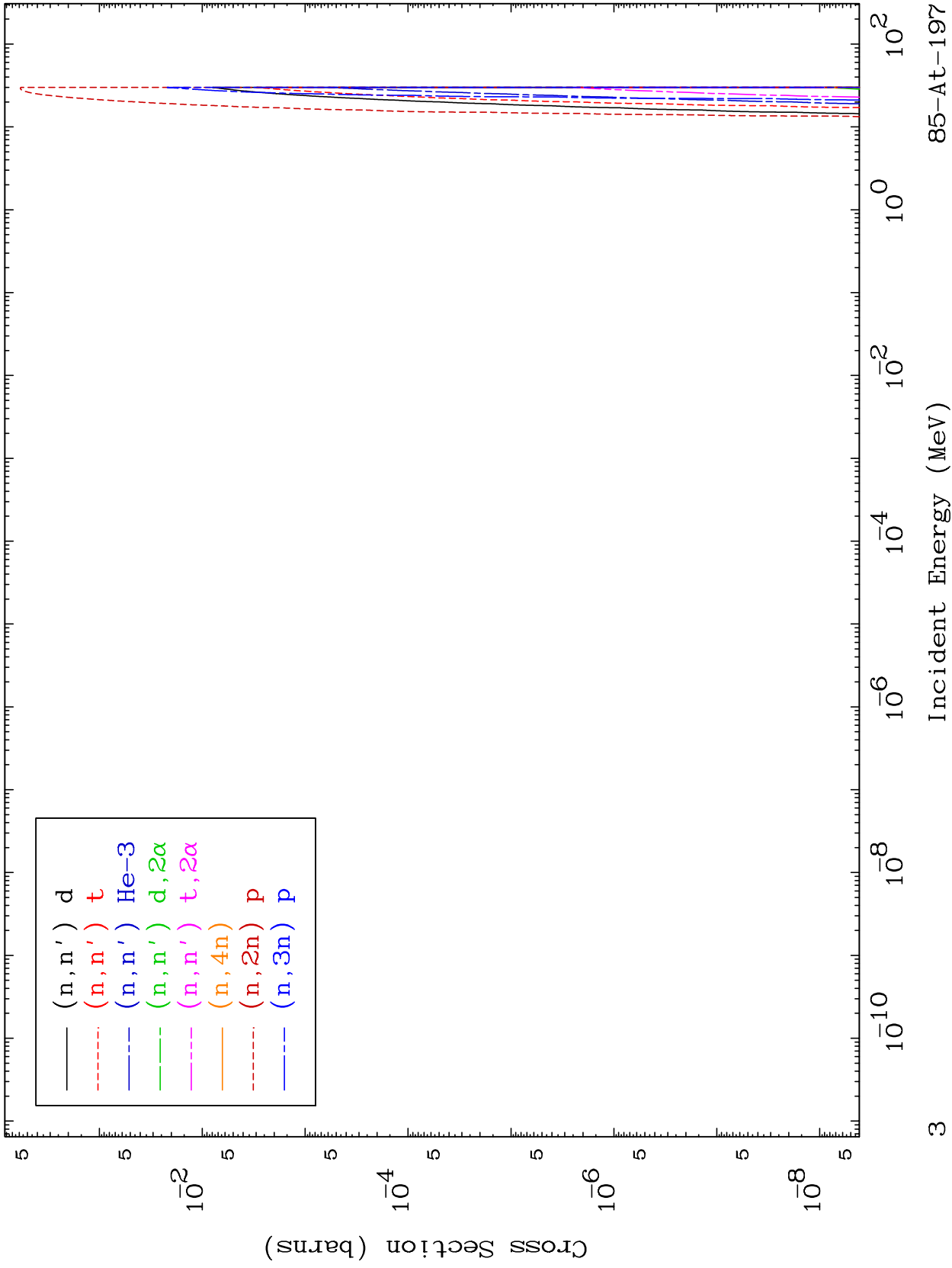
85-At-197



MAT 8508

Neutron Production
293 Kelvin Cross Sections

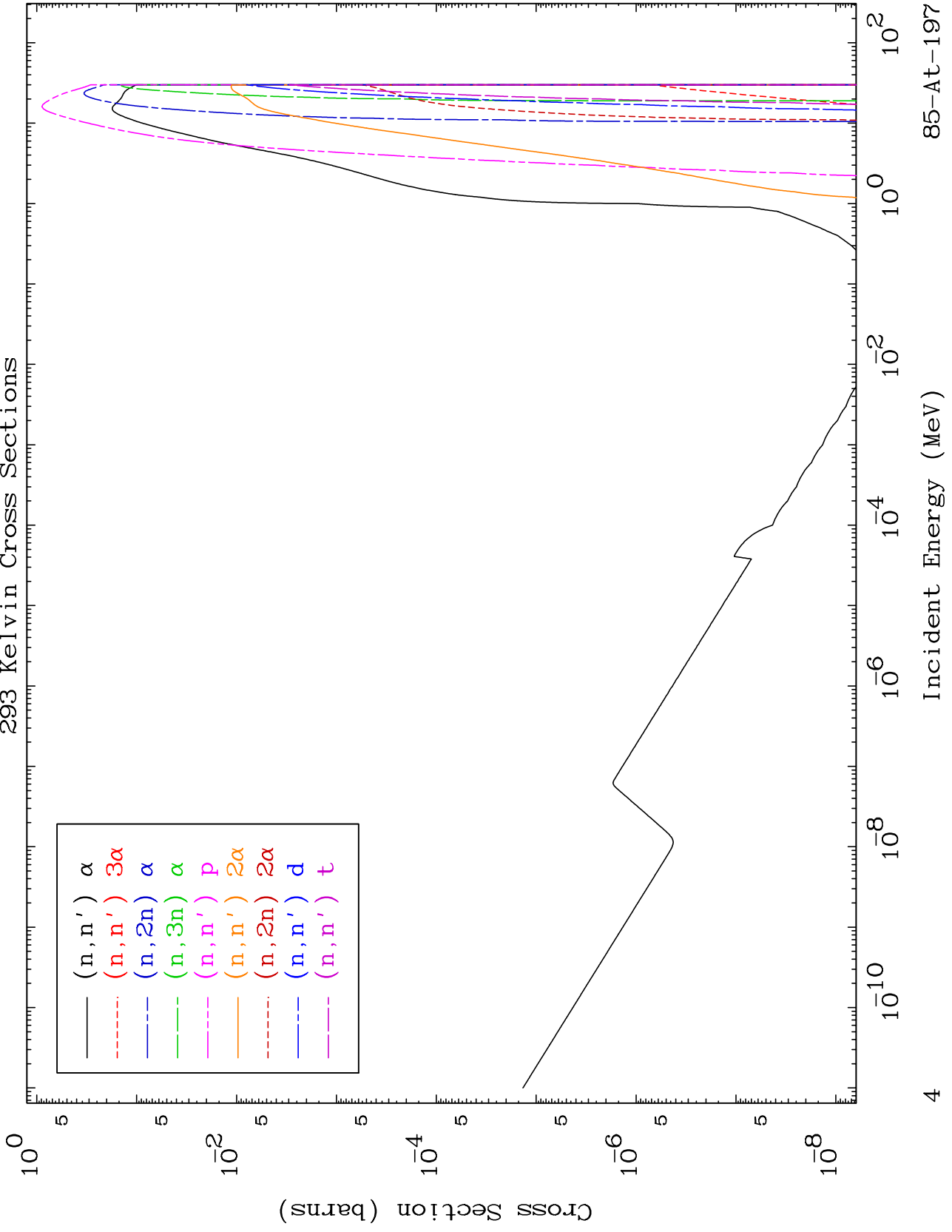
85-At-197



MAT 8508

Charged Particle
293 Kelvin Cross Sections

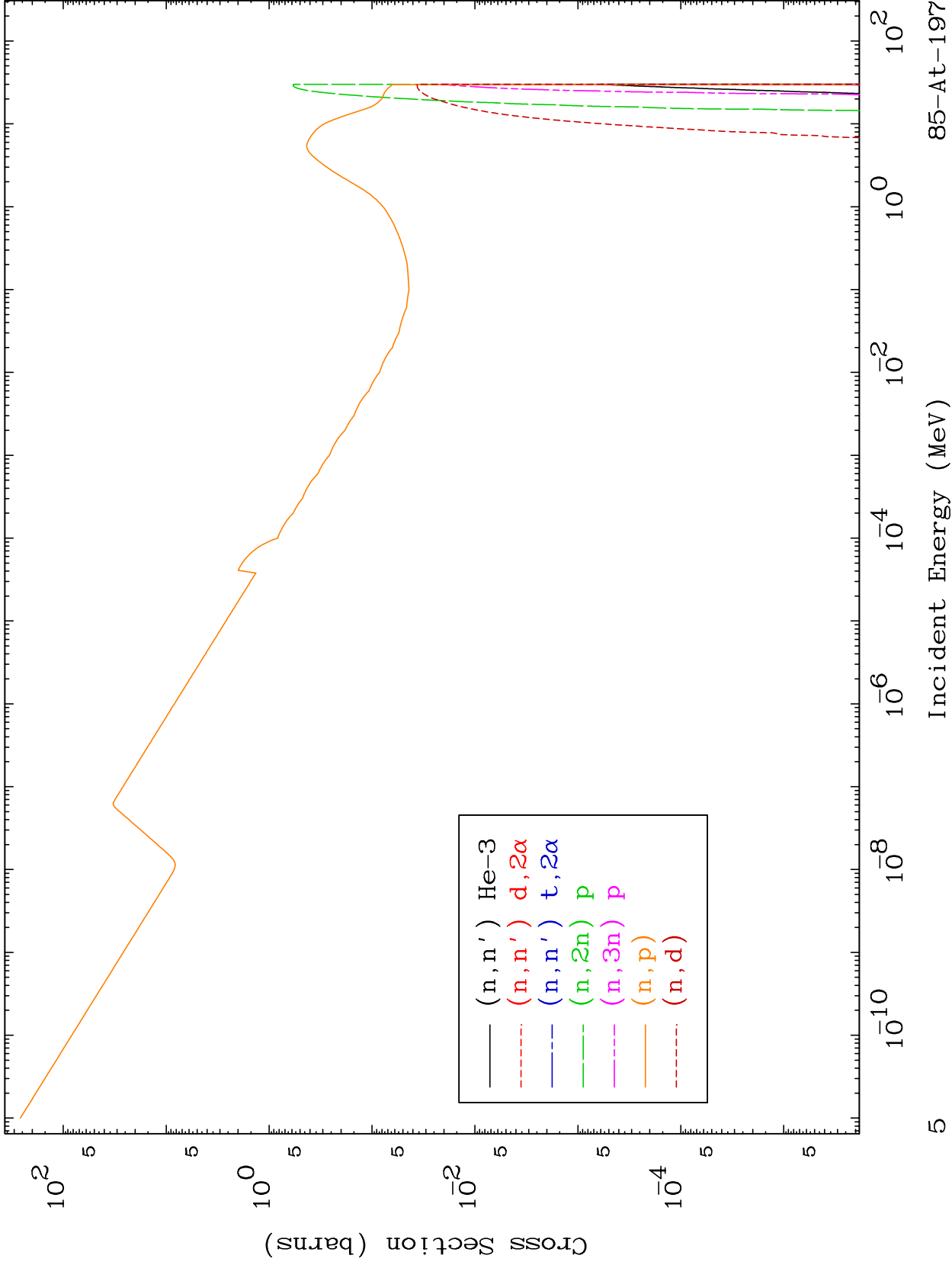
85-At-197



MAT 8508

Charged Particle
293 Kelvin Cross Sections

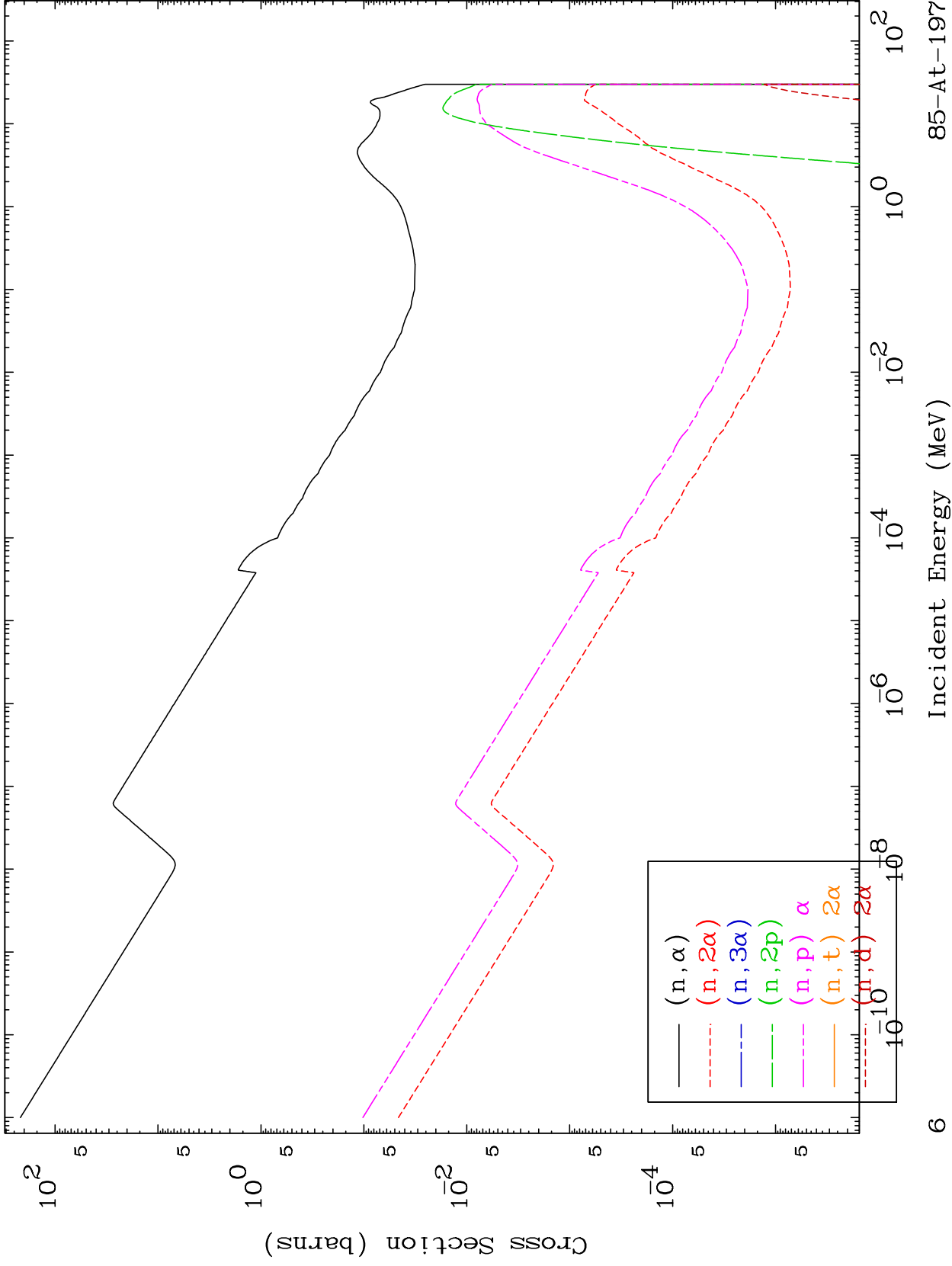
85-At-197



MAT 8508

Charged Particle
293 Kelvin Cross Sections

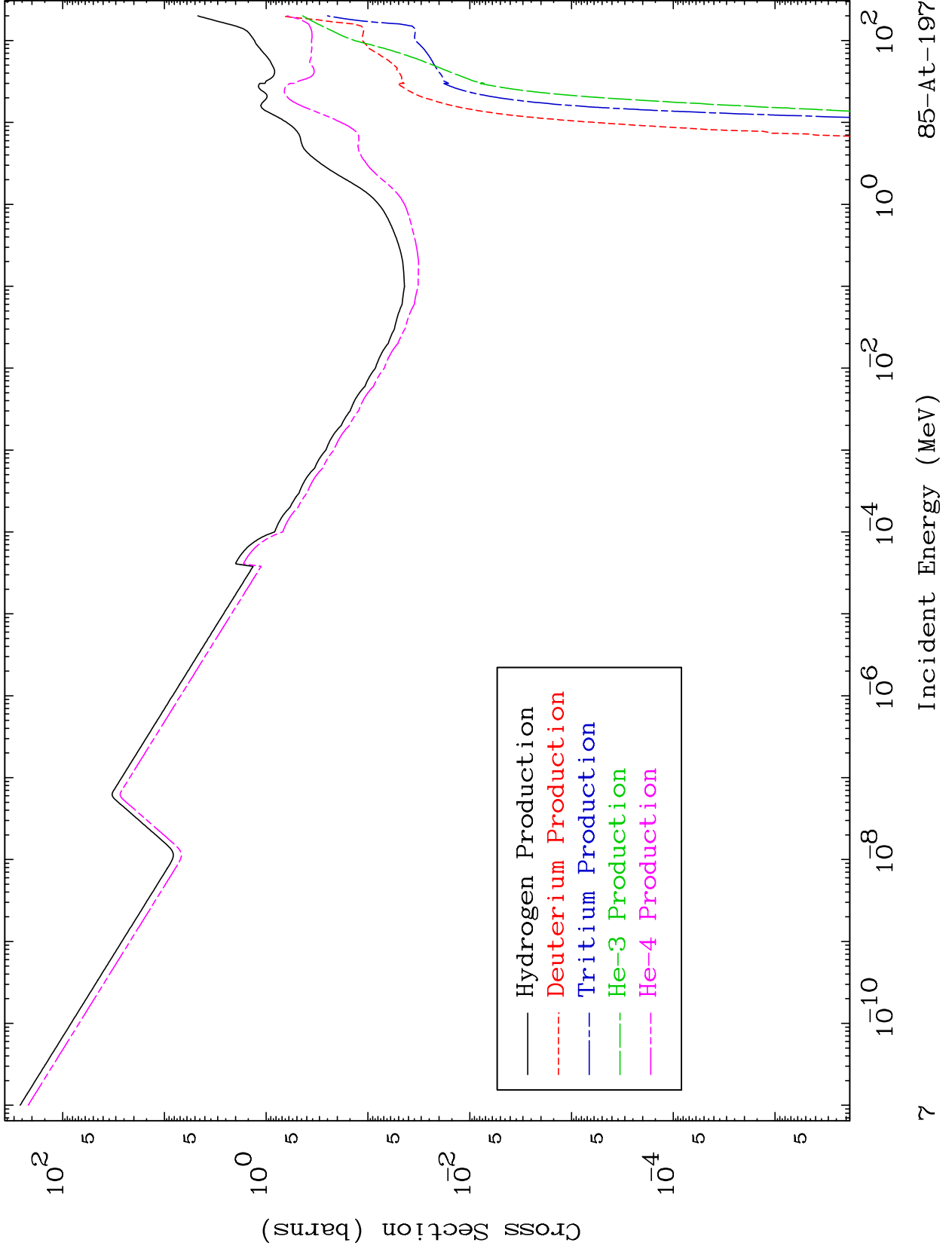
85-At-197



MAT 8508

Particle Production
293 Kelvin Cross Sections

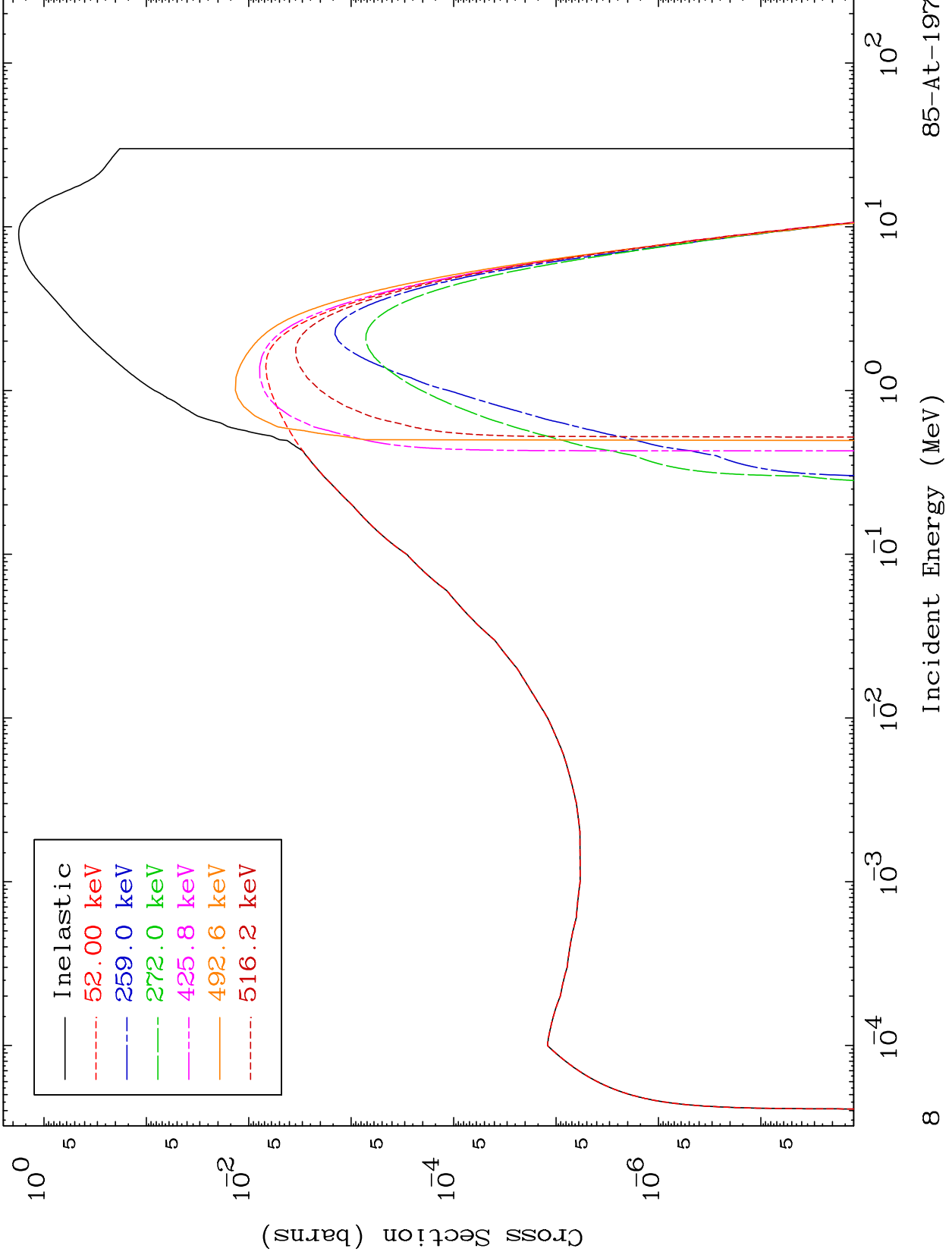
85-At-197



MAT 8508

(n,n') Level
293 Kelvin Cross Sections

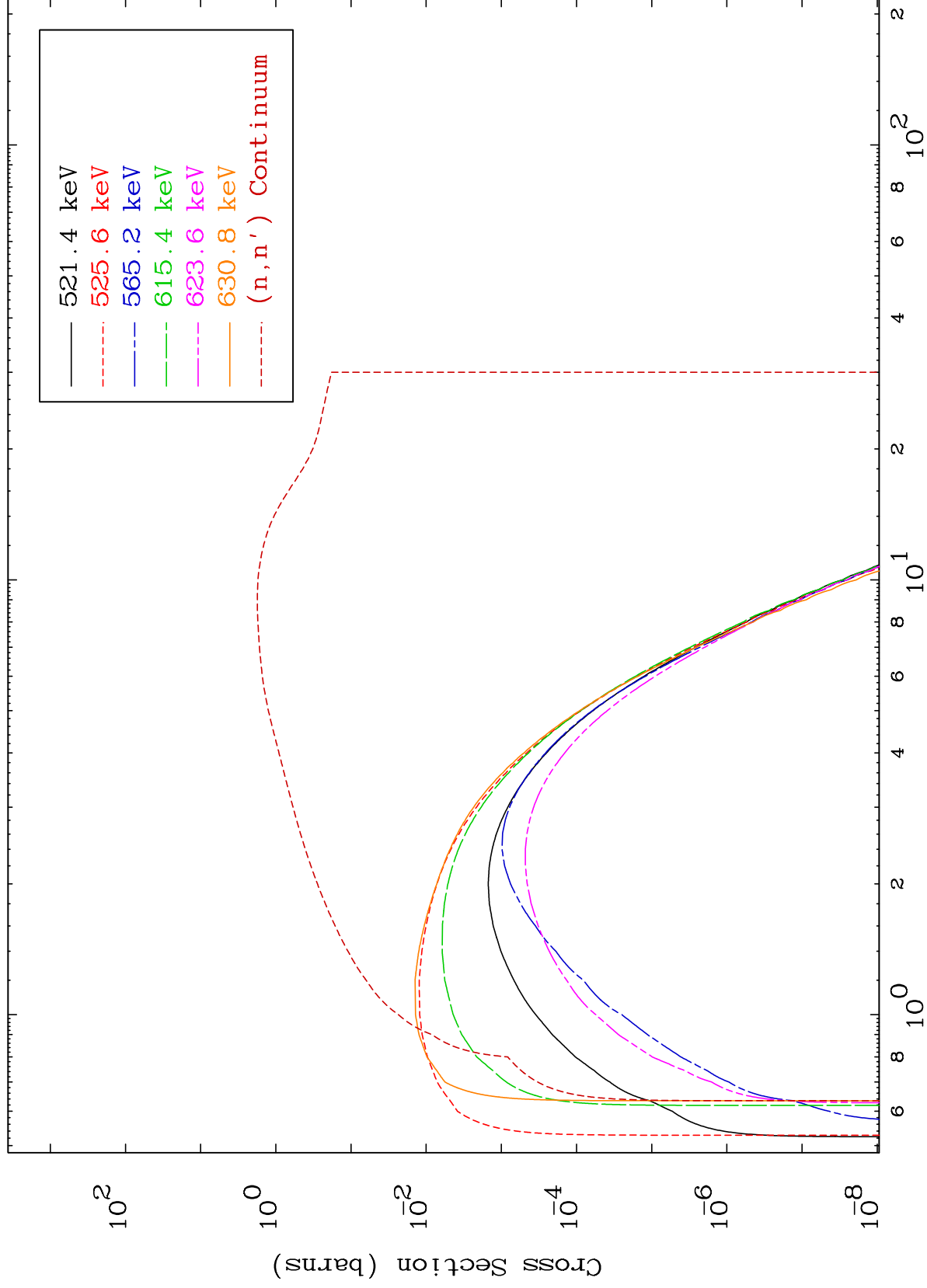
85-At-197



MAT 8508

(n,n') Level
293 Kelvin Cross Sections

85-At-197



9

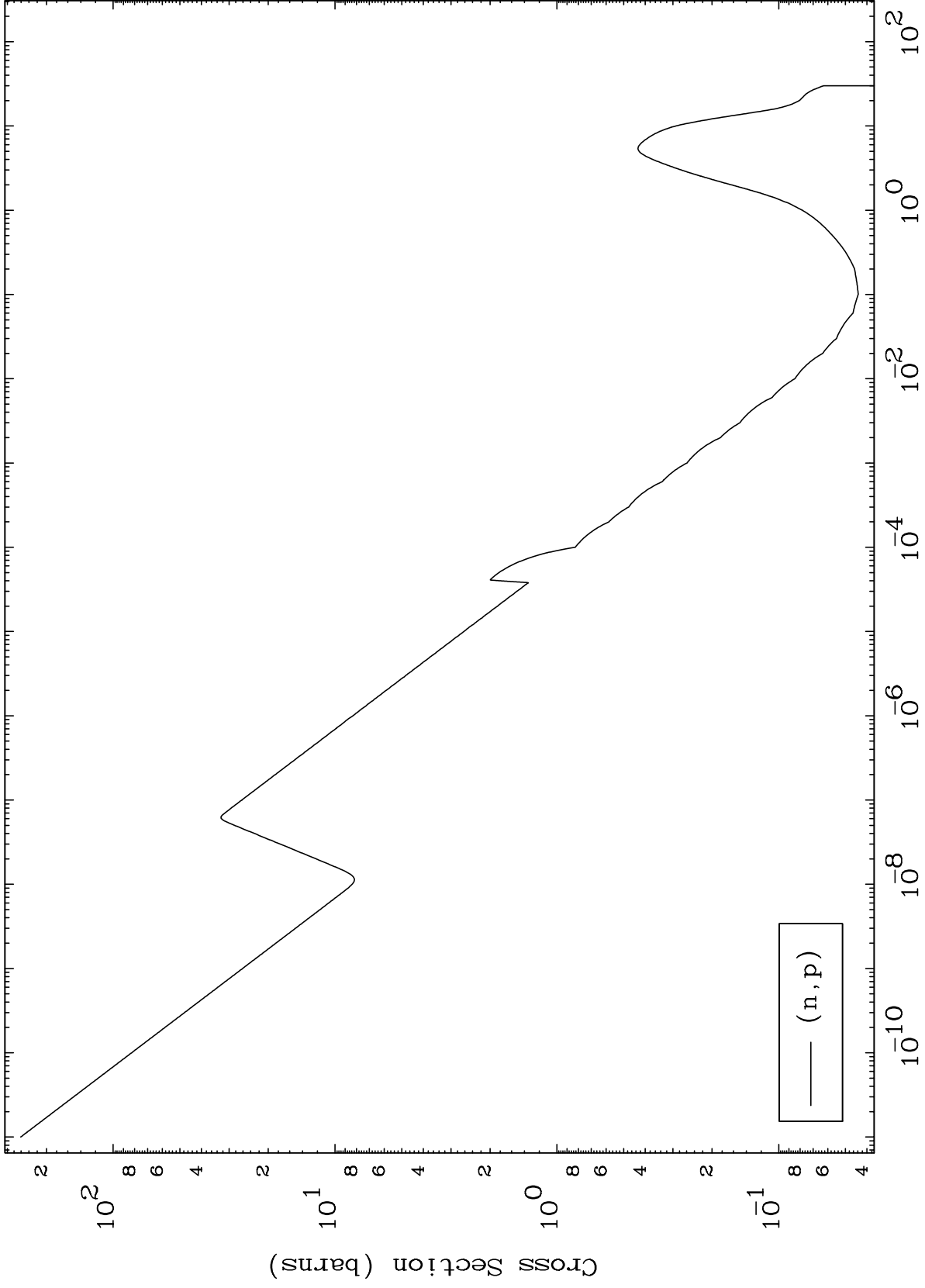
Incident Energy (MeV)

85-At-197

MAT 8508

(n,p) Levels
293 Kelvin Cross Sections

85-At-197



10

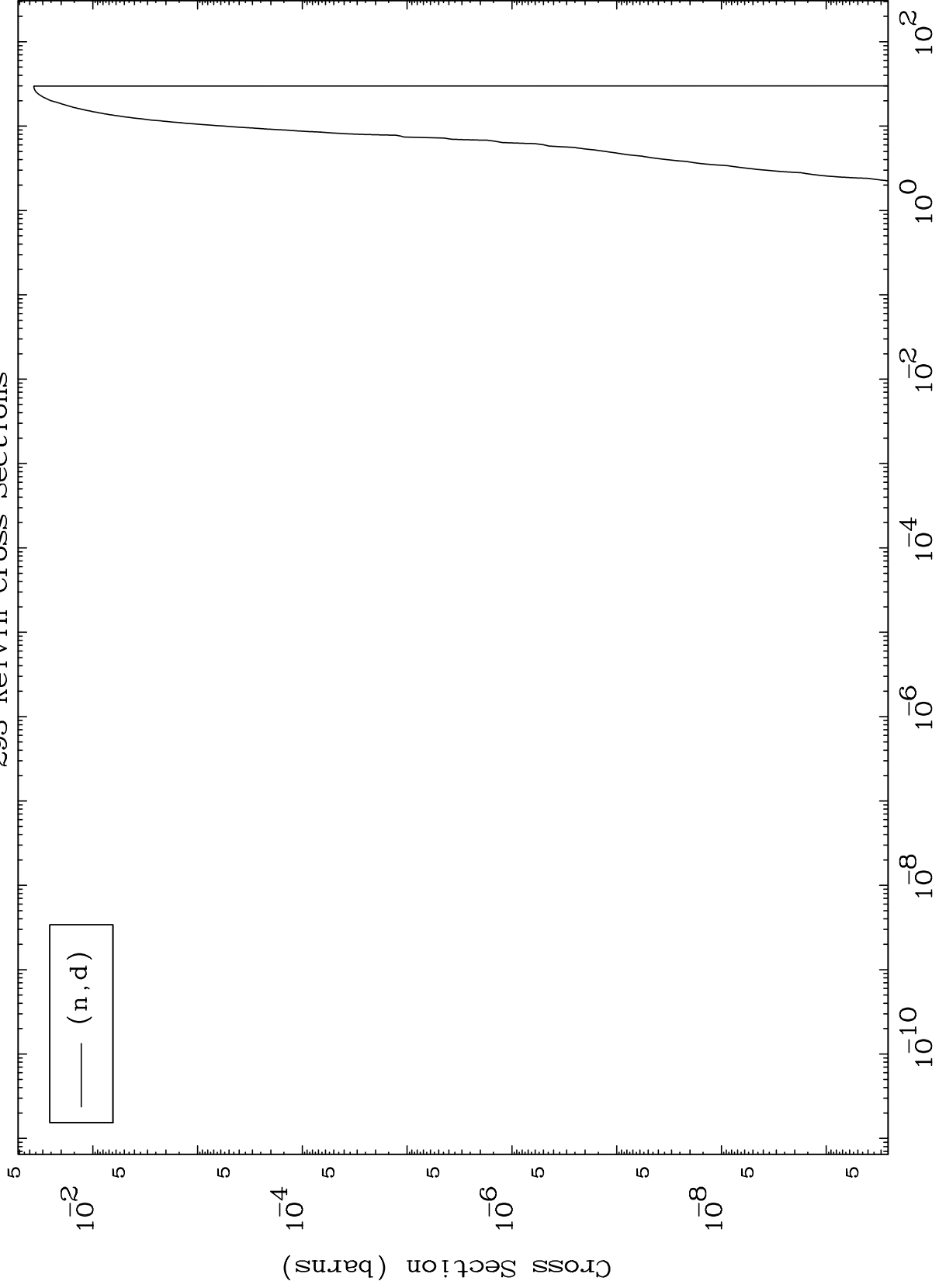
Incident Energy (MeV)

85-At-197

MAT 8508

(n,d) Levels
293 Kelvin Cross Sections

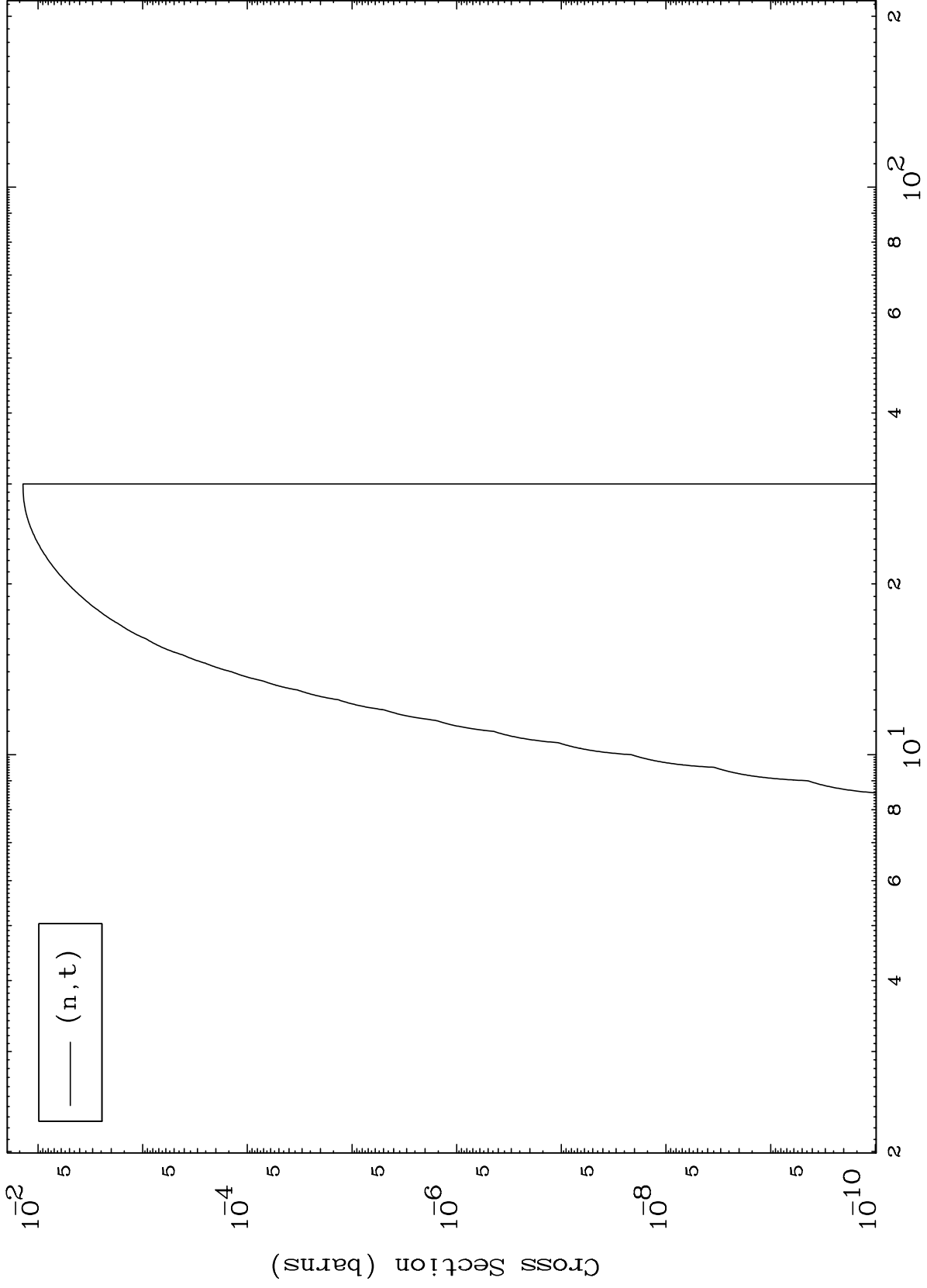
85-At-197



MAT 8508

(n,t) Levels
293 Kelvin Cross Sections

85-At-197



12

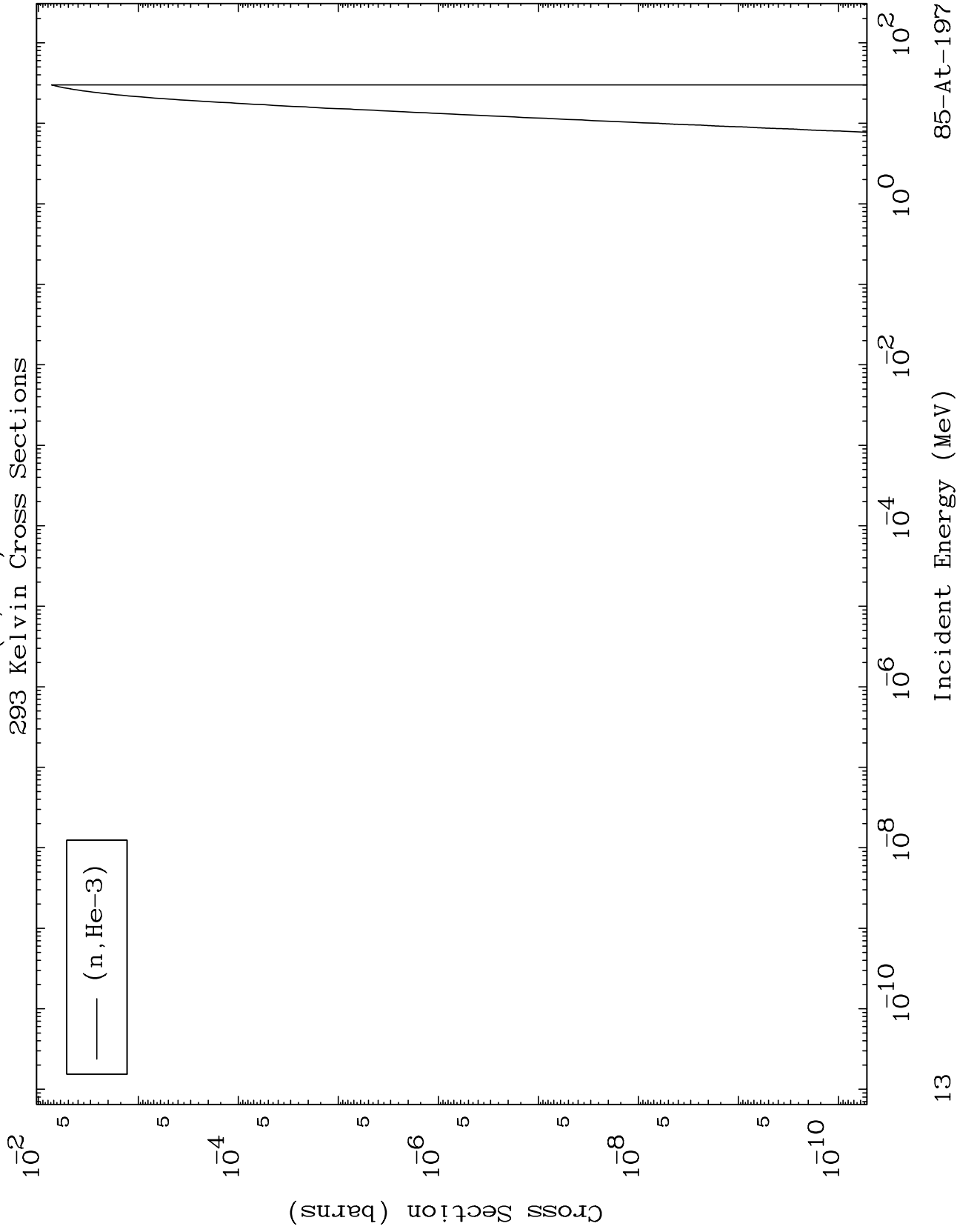
Incident Energy (MeV)

85-At-197

MAT 8508

(n,He3) Levels
293 Kelvin Cross Sections

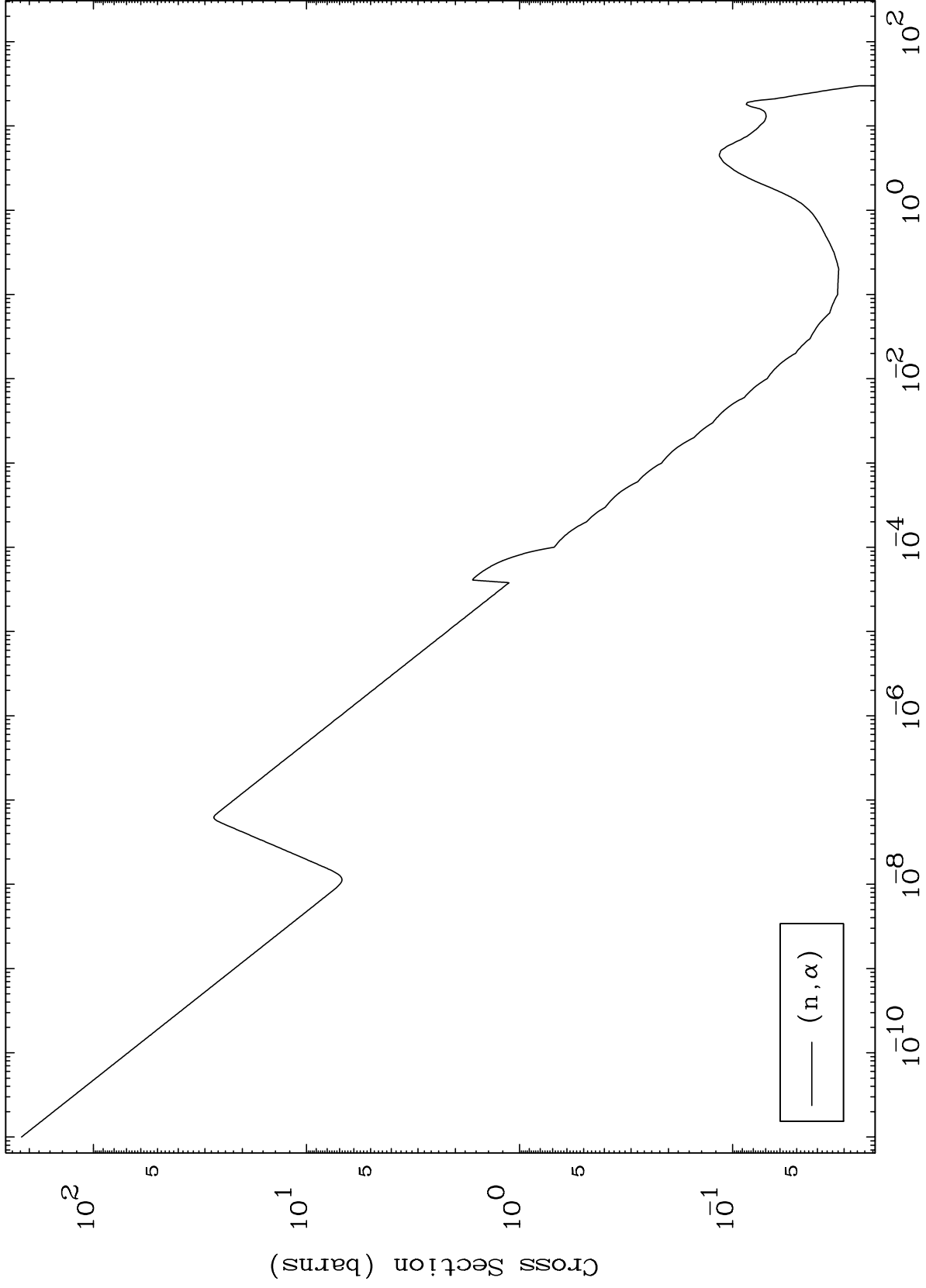
85-At-197



MAT 8508

(n,α) Levels
293 Kelvin Cross Sections

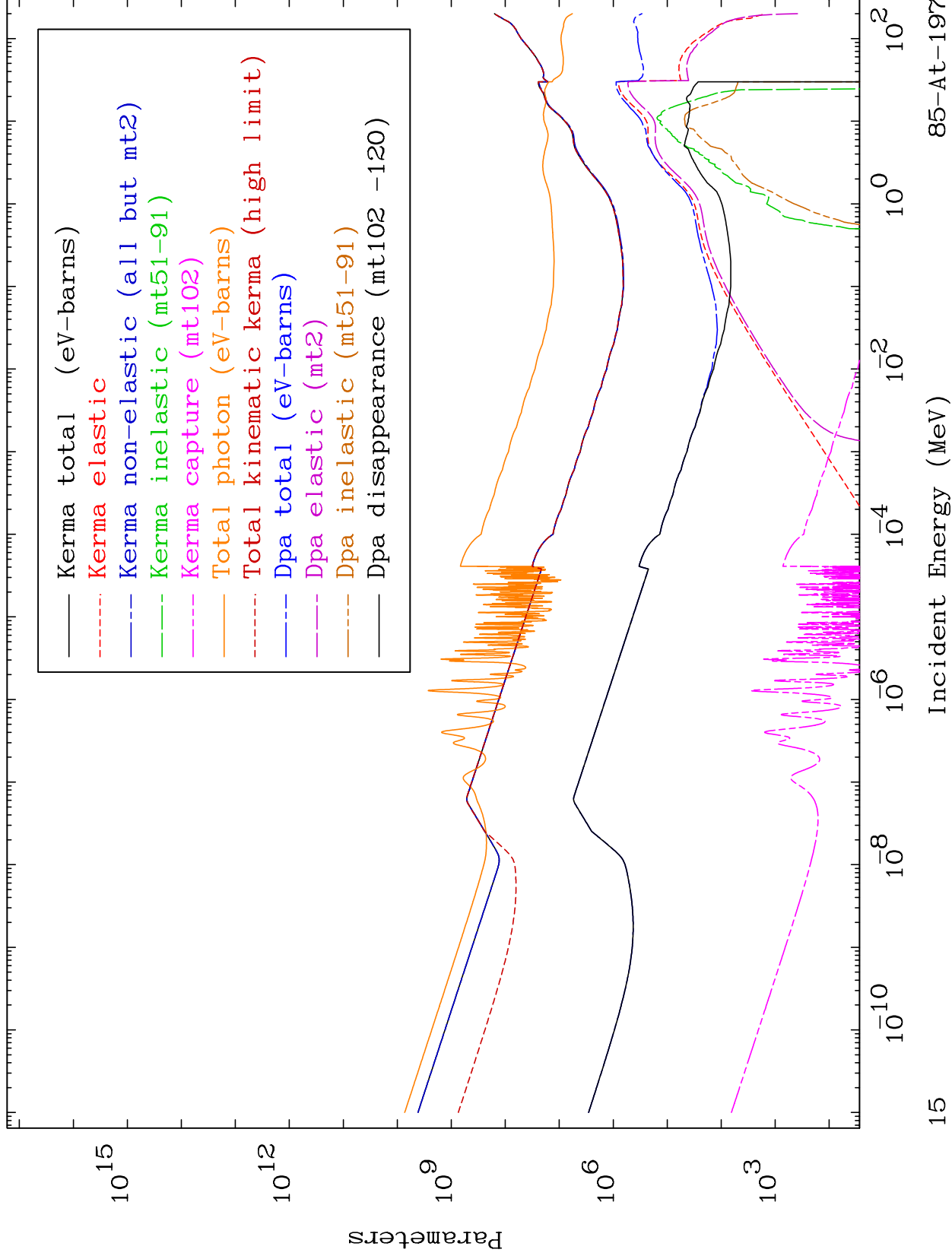
85-At-197

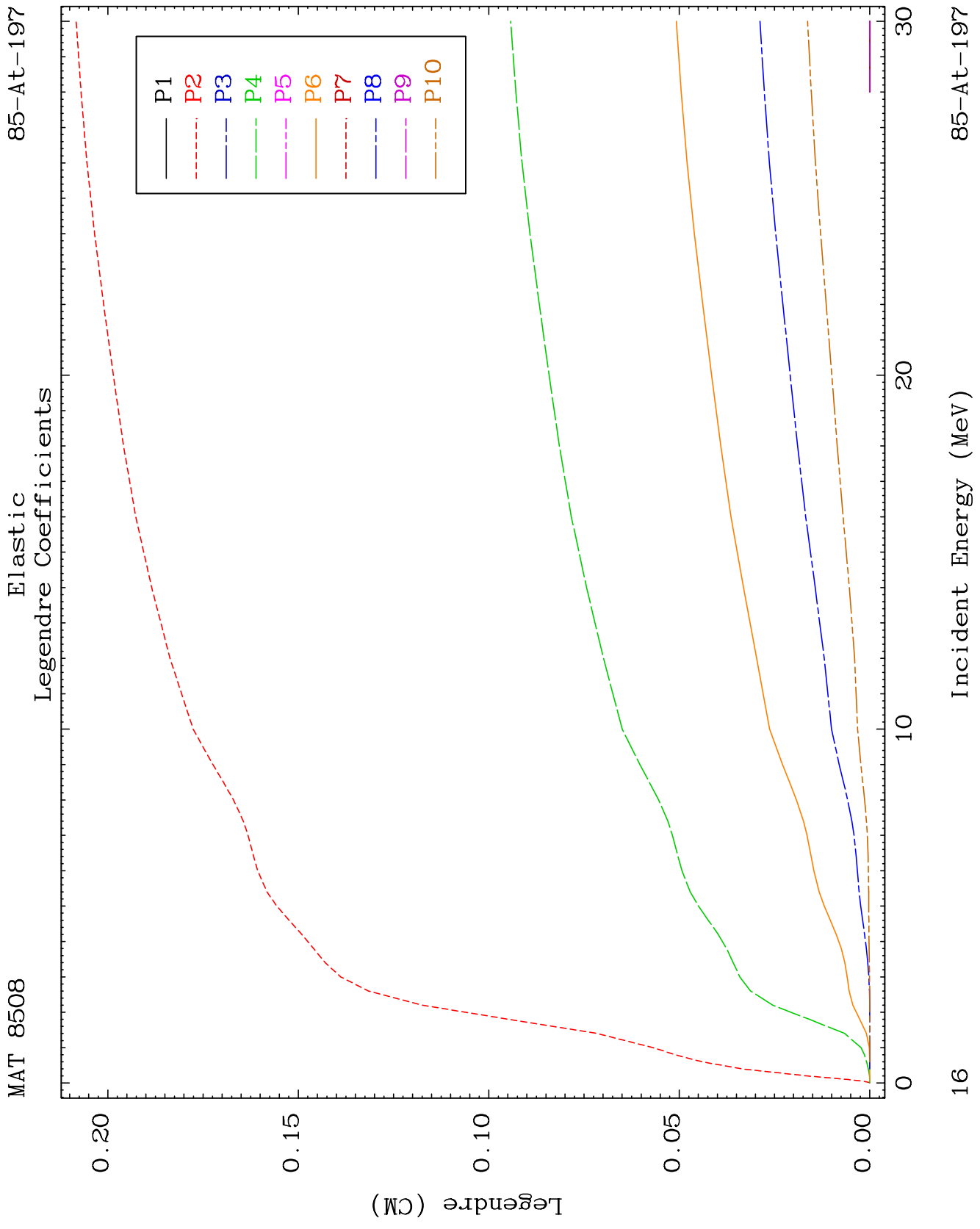


14

Incident Energy (MeV)

85-At-197

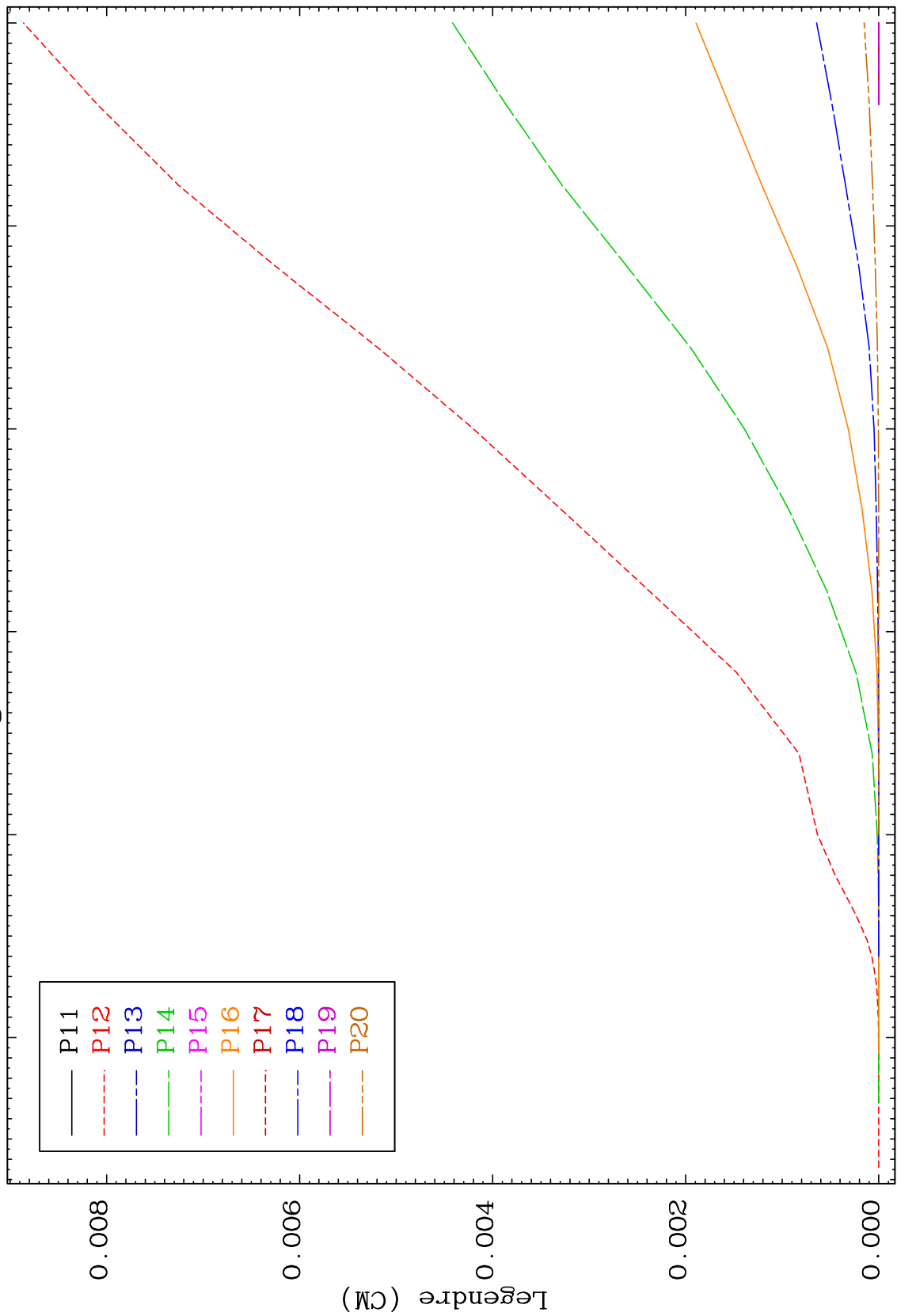




MAT 8508

Elastic Legendre Coefficients

85-At-197



17

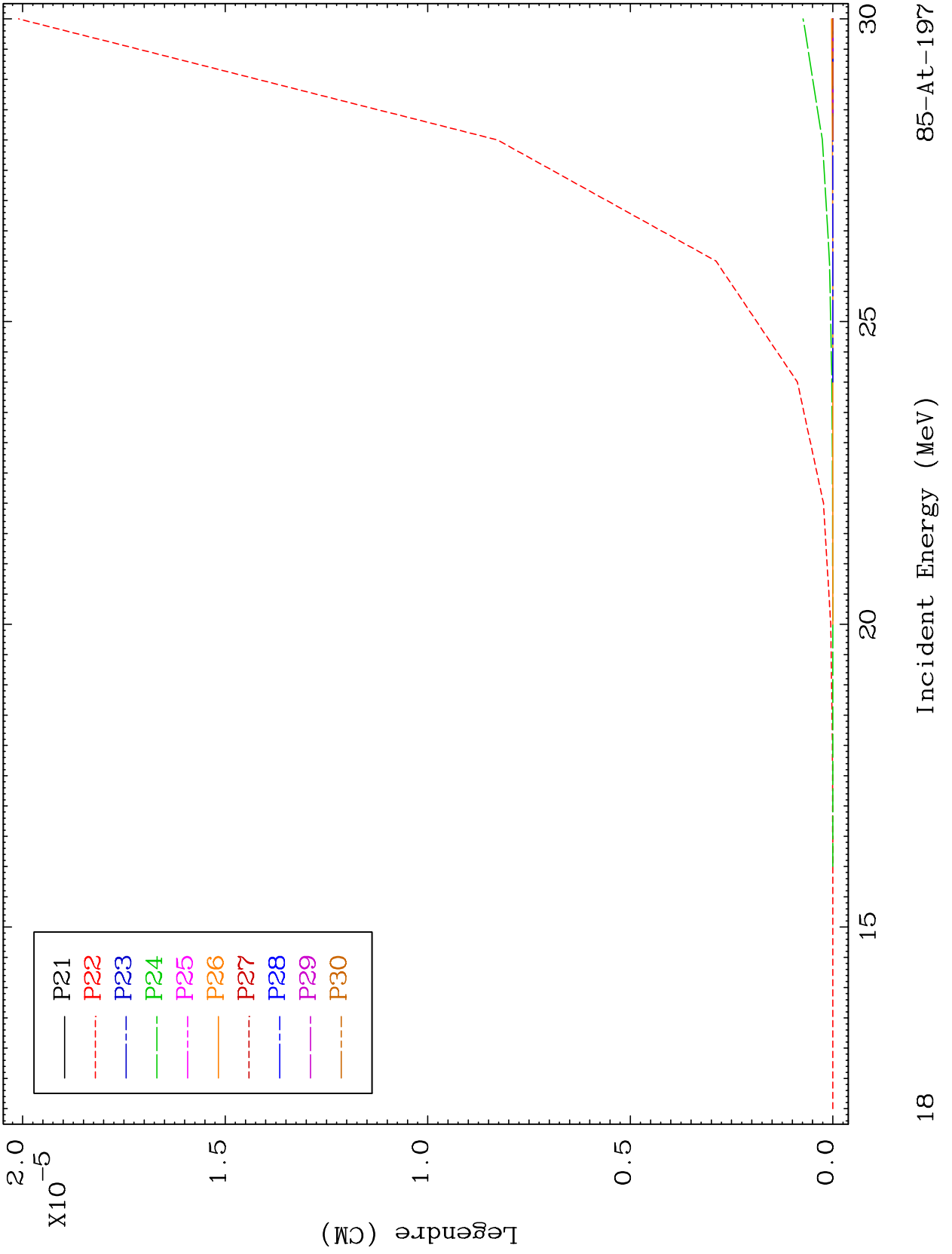
Incident Energy (MeV)

85-At-197

MAT 8508

Elastic Legendre Coefficients

85-At-197



18

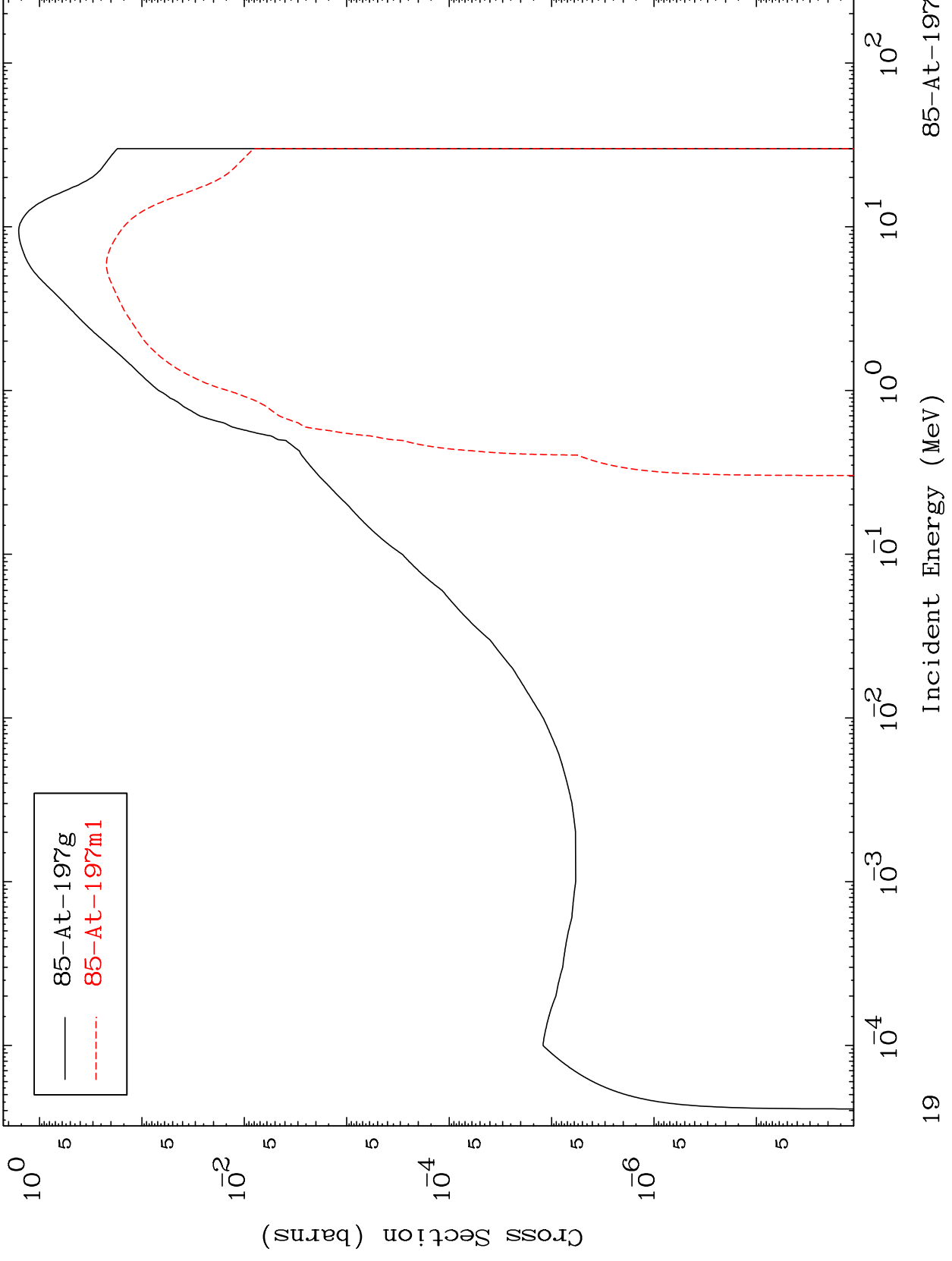
Incident Energy (MeV)

85-At-197

MAT 8508

Inelastic
Radionuclide Production Cross Section

85-At-197

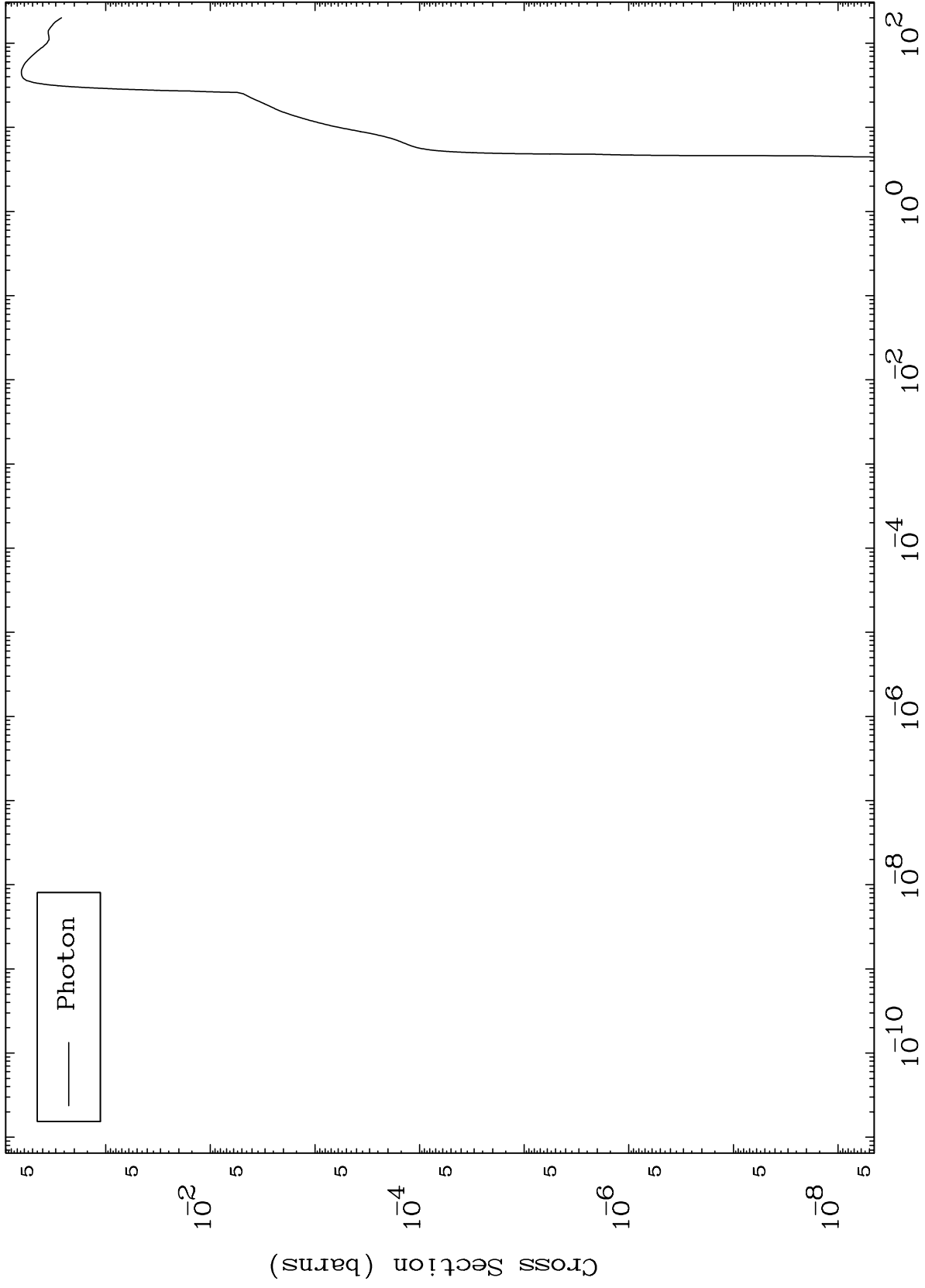


85-At-197g
85-At-197m1

MAT 8508

Fission
Radionuclide Production Cross Section

85-At-197



20

Incident Energy (MeV)

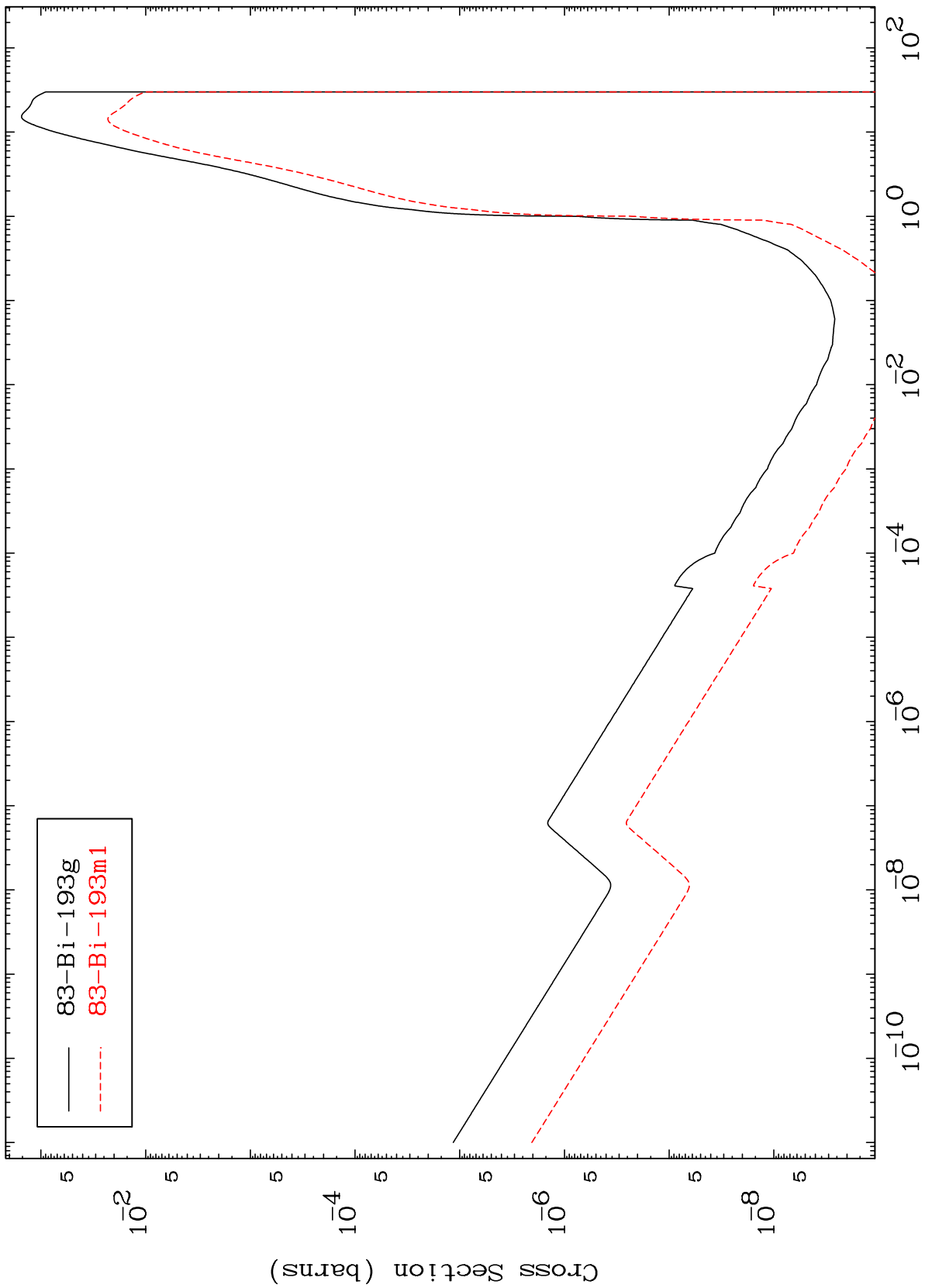
85-At-197

MAT 8508

$(n, n') \alpha$

85-At-197

Radionuclide Production Cross Section



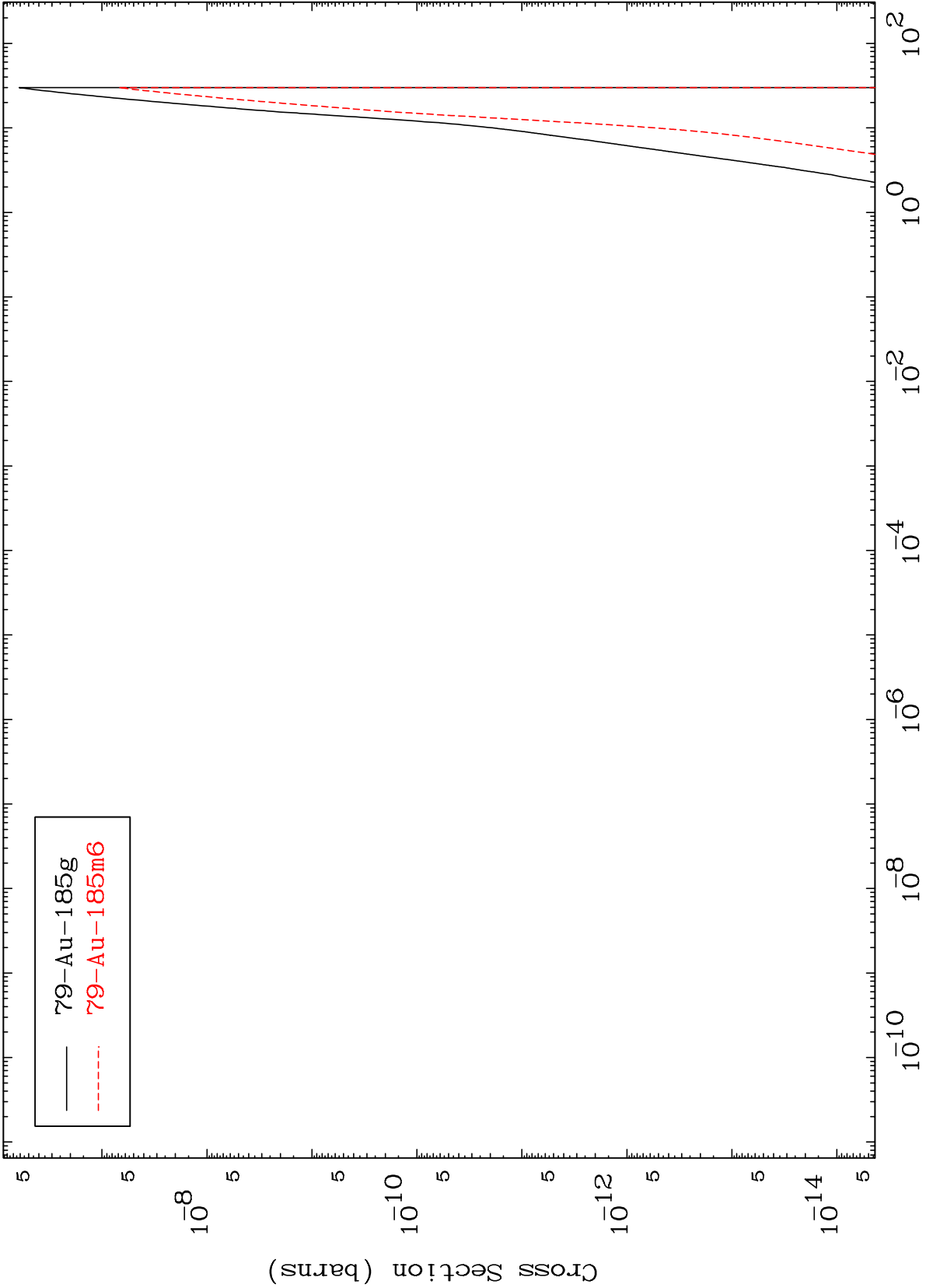
— 83-Bi-193g
- - - 83-Bi-193m1

MAT 8508

(n,n') 3 α

85-At-197

Radionuclide Production Cross Section



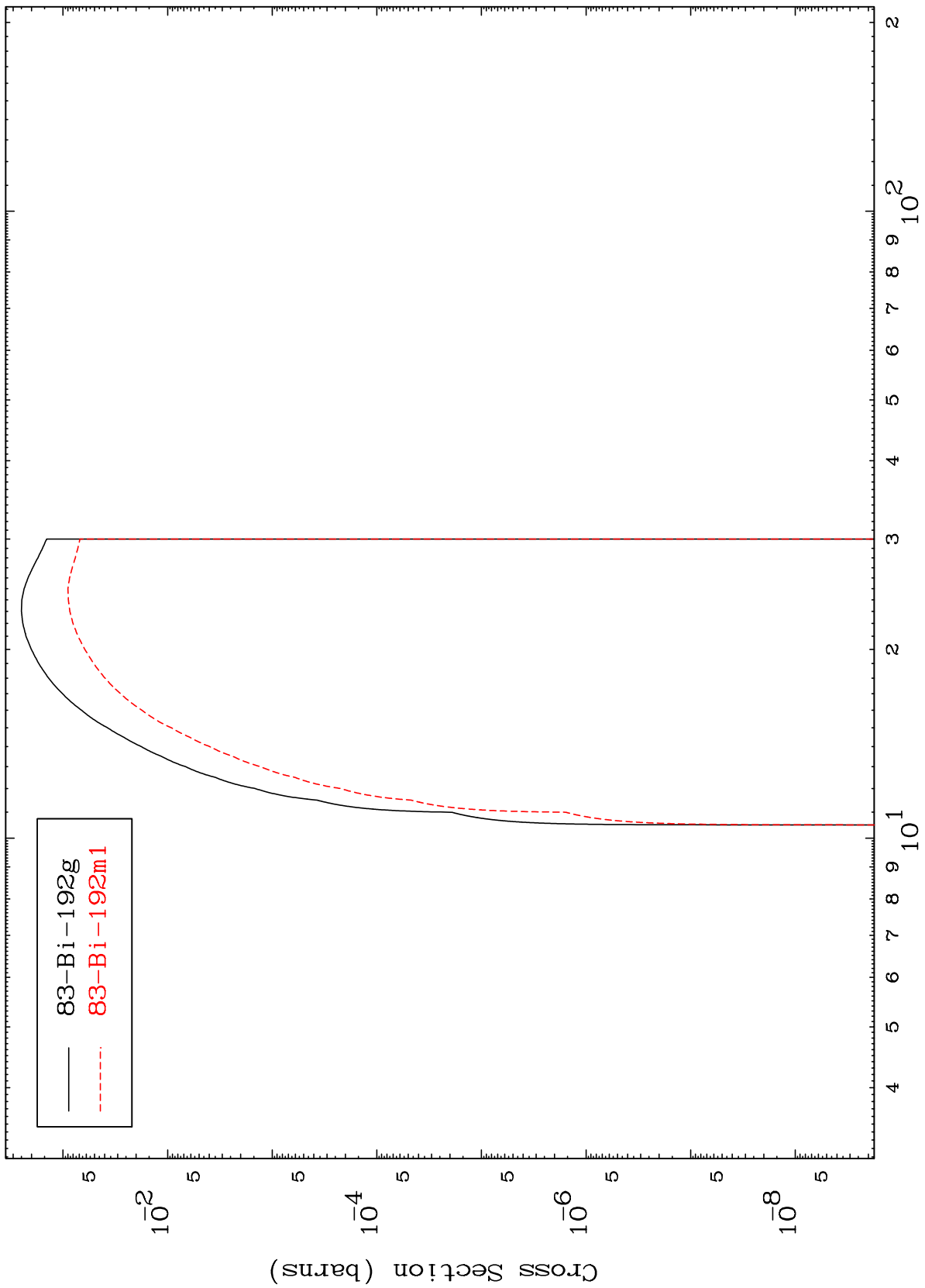
— 79-Au-185g
- - - 79-Au-185m6

MAT 8508

(n,2n) α

85-At-197

Radionuclide Production Cross Section

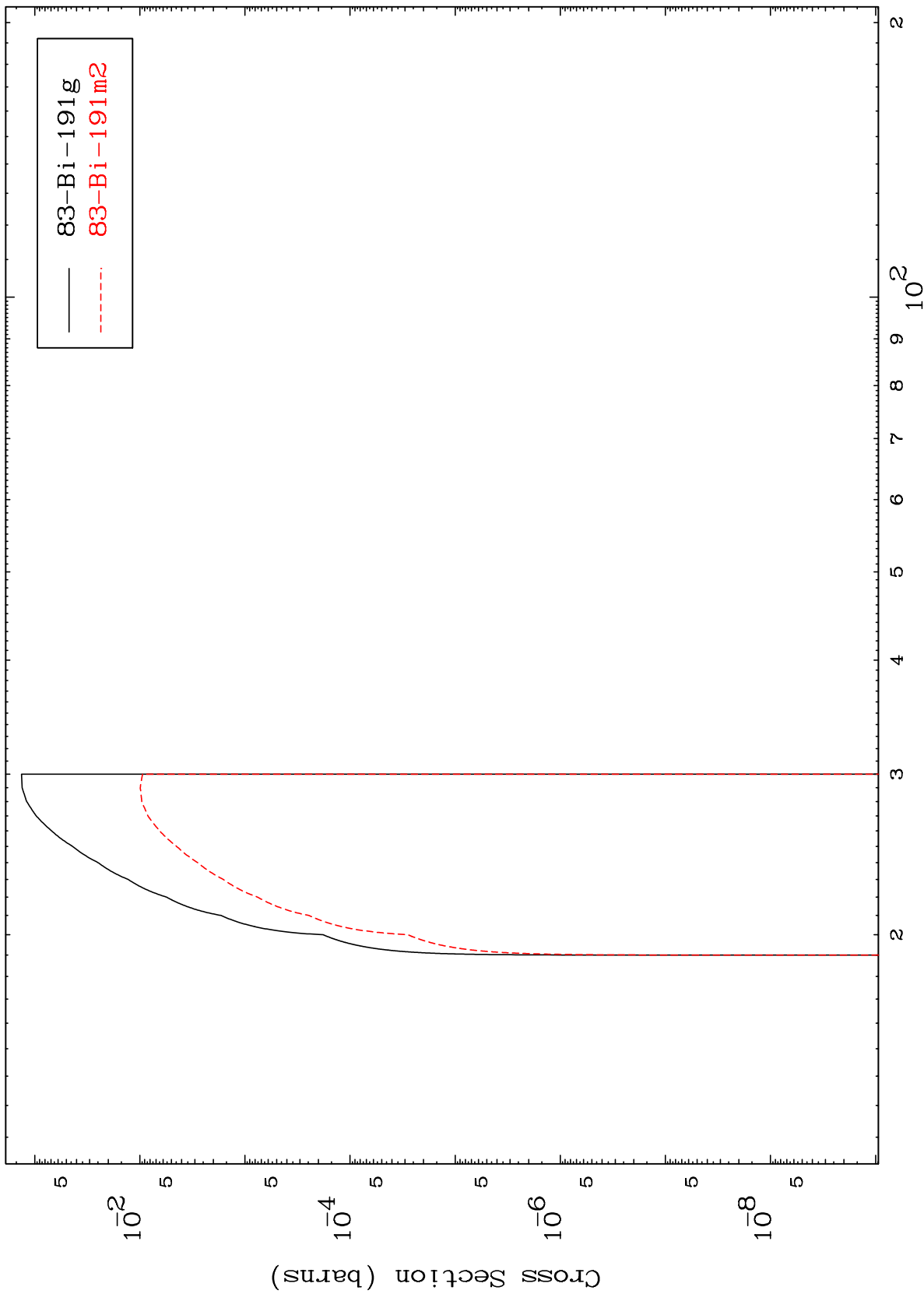


MAT 8508

(n,3n) α

85-At-197

Radionuclide Production Cross Section



24

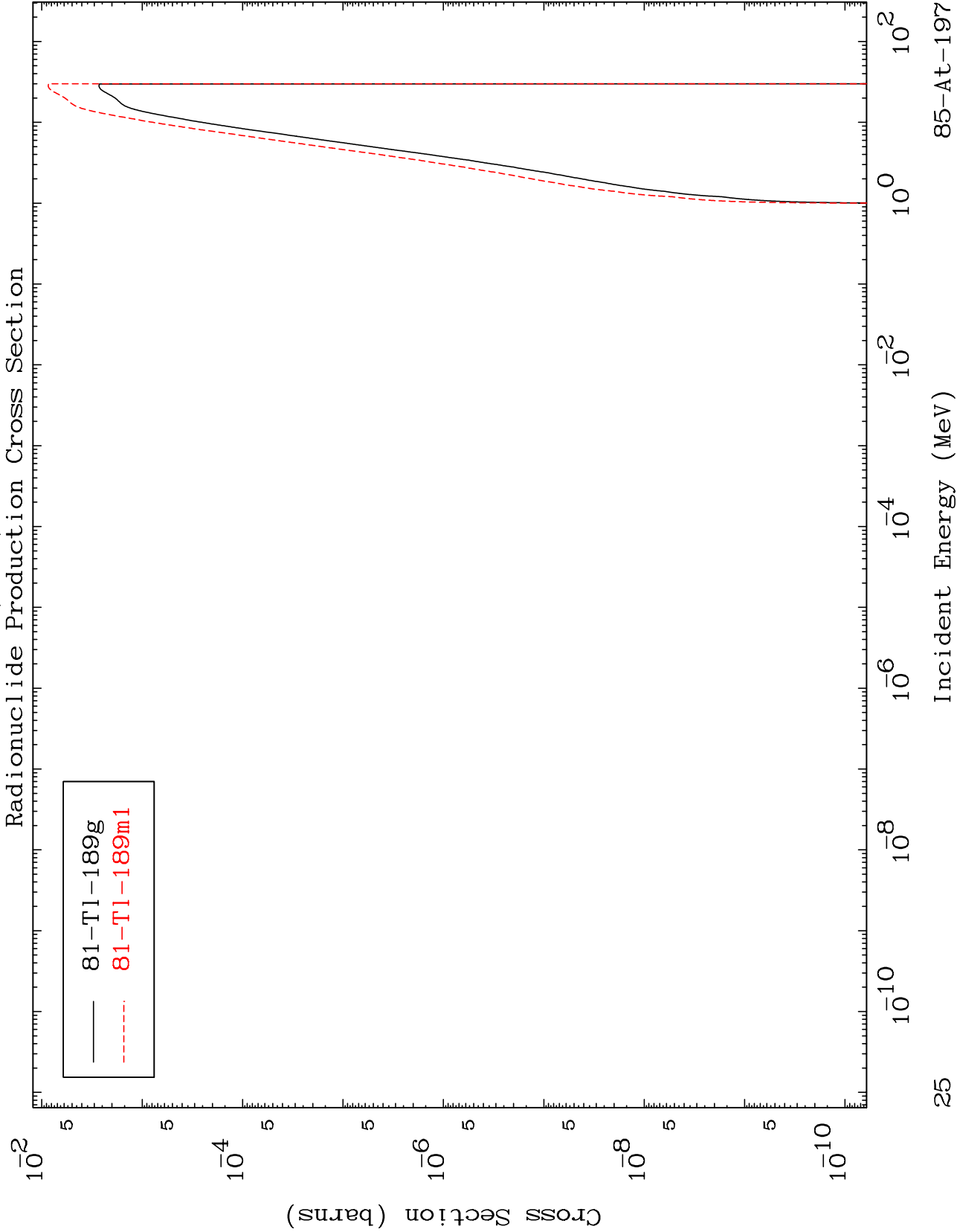
Incident Energy (MeV)

85-At-197

MAT 8508

(n,n') 2α

85-At-197

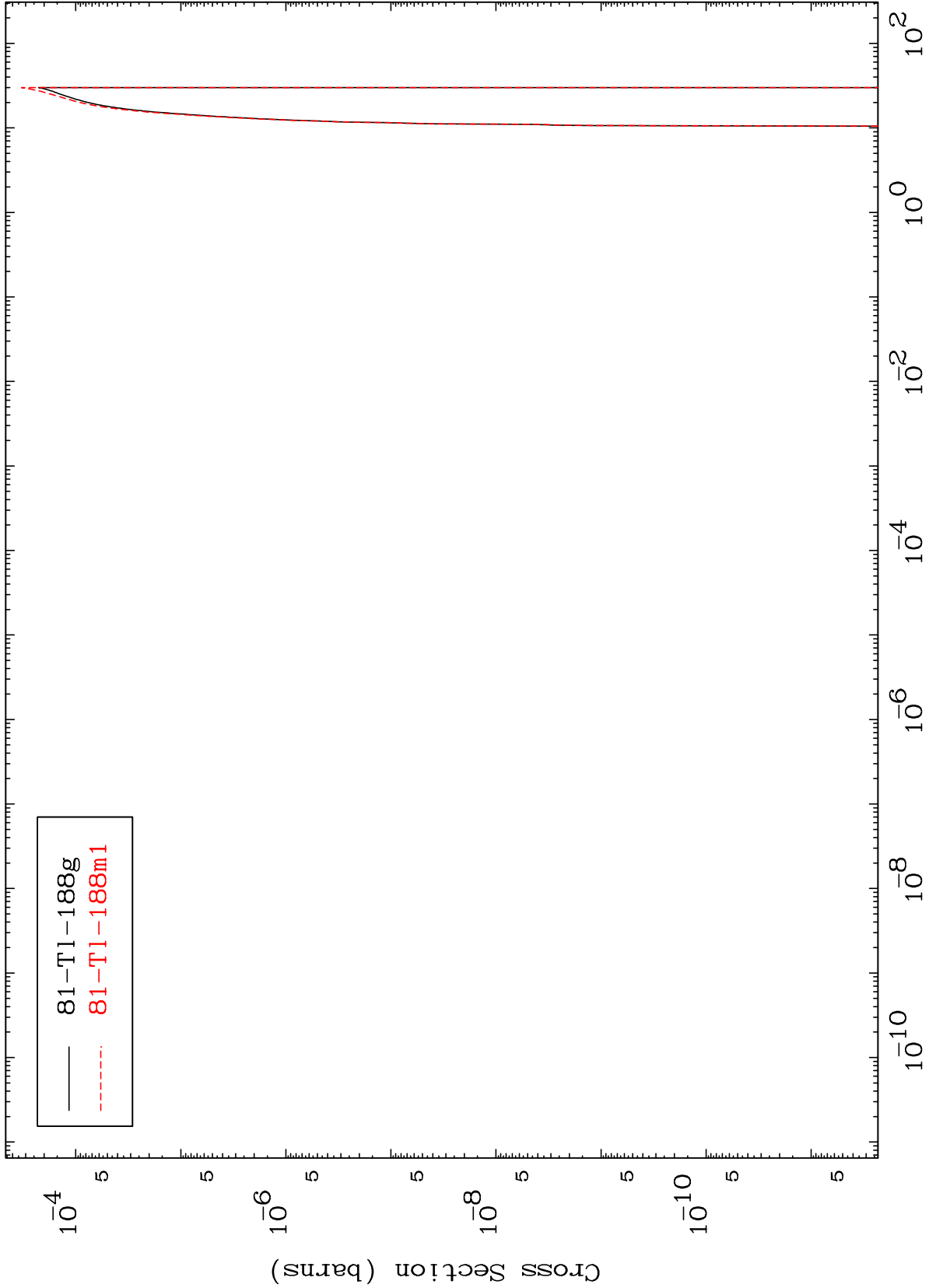


MAT 8508

(n,2n) 2 α

85-At-197

Radionuclide Production Cross Section



26

Incident Energy (MeV)

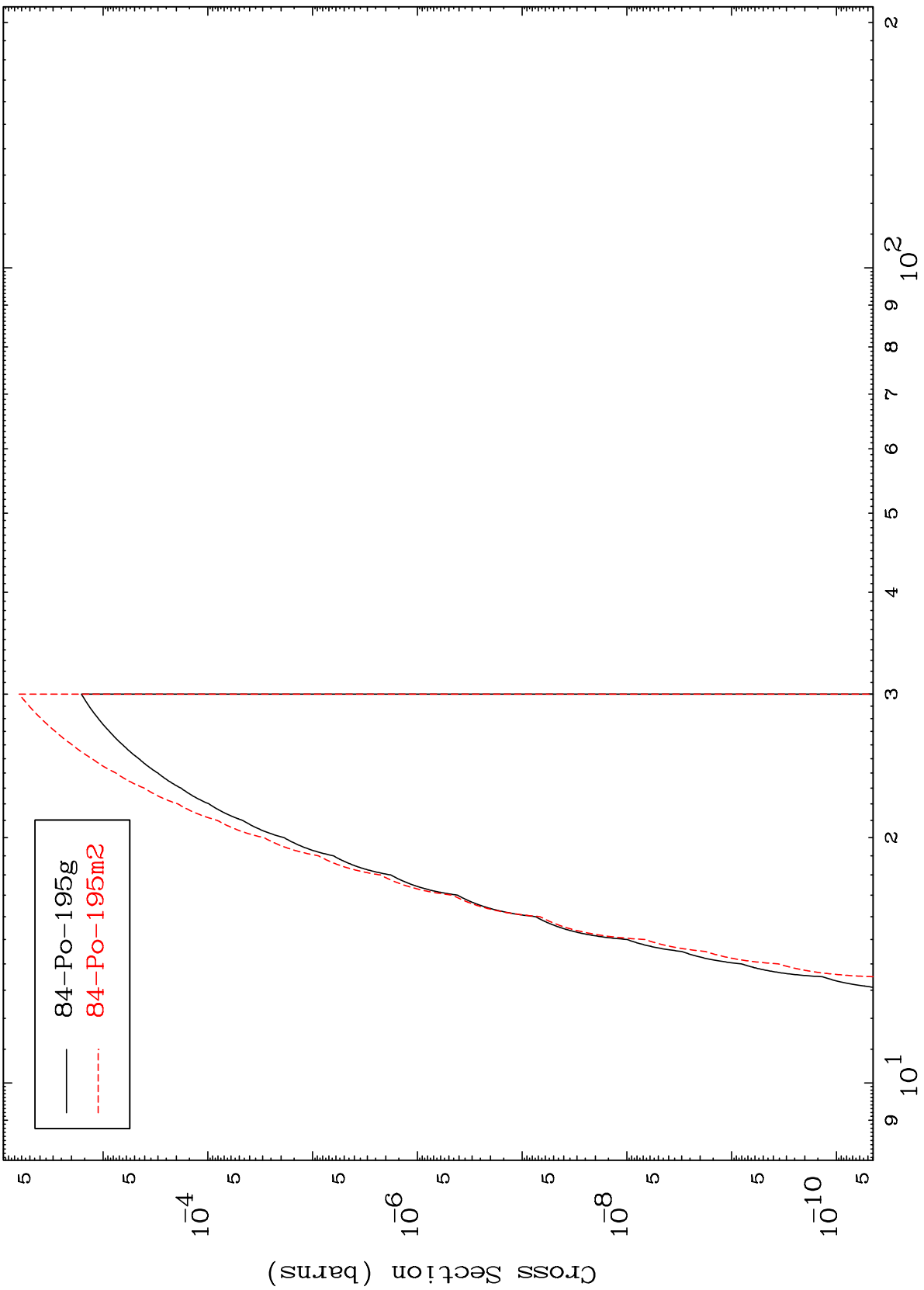
85-At-197

MAT 8508

(n,n') d

85-At-197

Radionuclide Production Cross Section

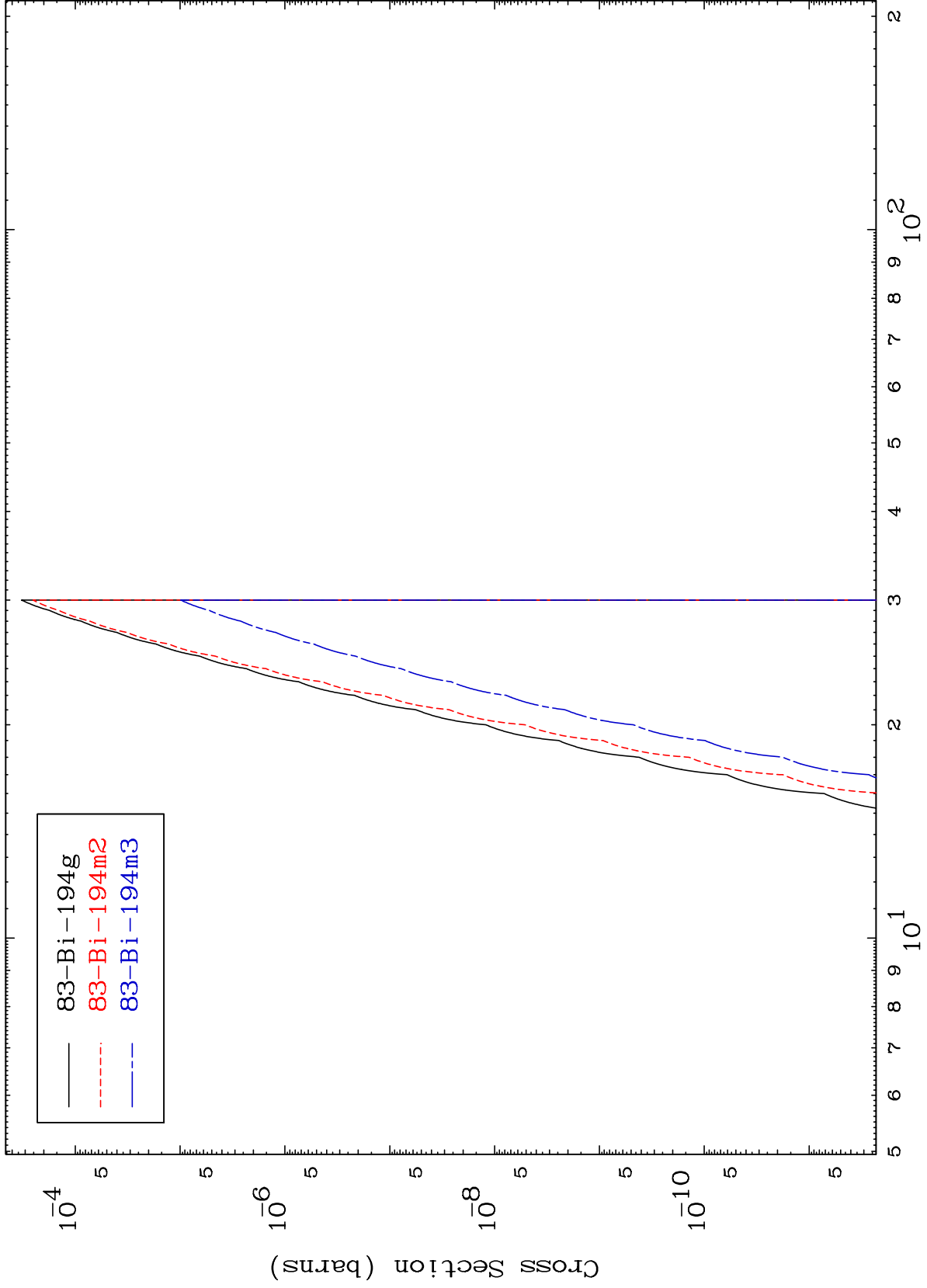


27

Incident Energy (MeV)

85-At-197

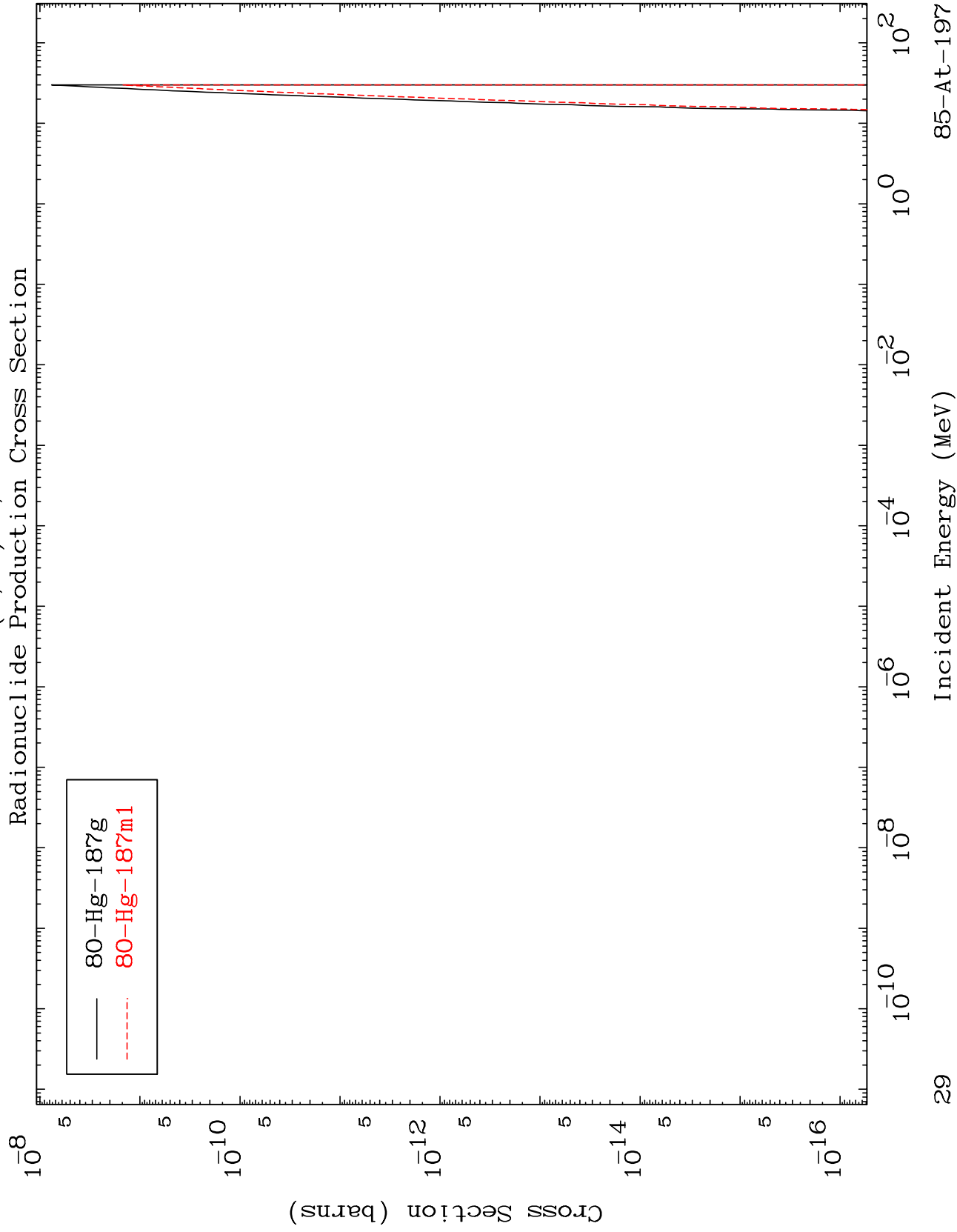
Radionuclide Production Cross Section



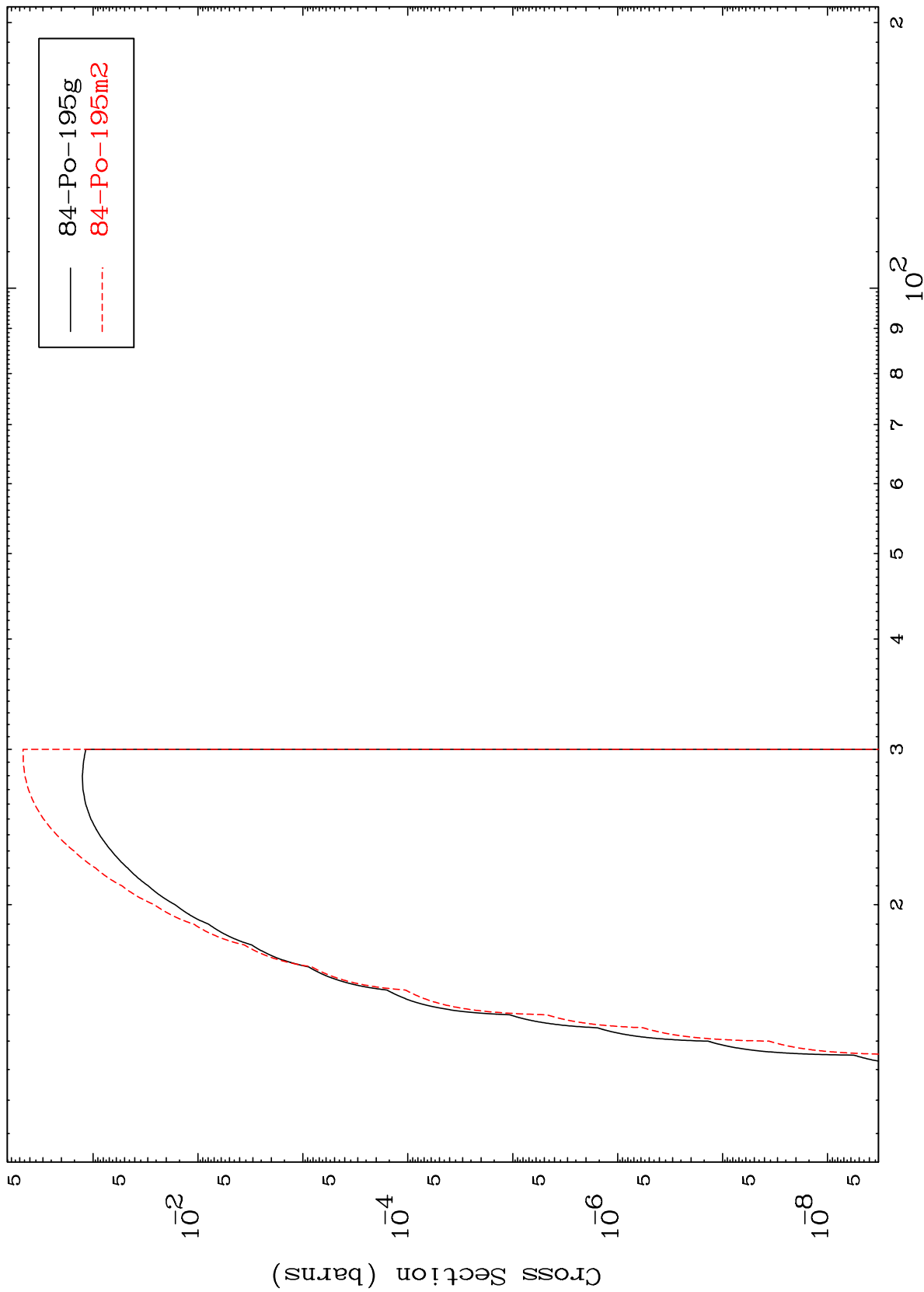
MAT 8508

(n,n') d,2α

85-At-197



Radionuclide Production Cross Section

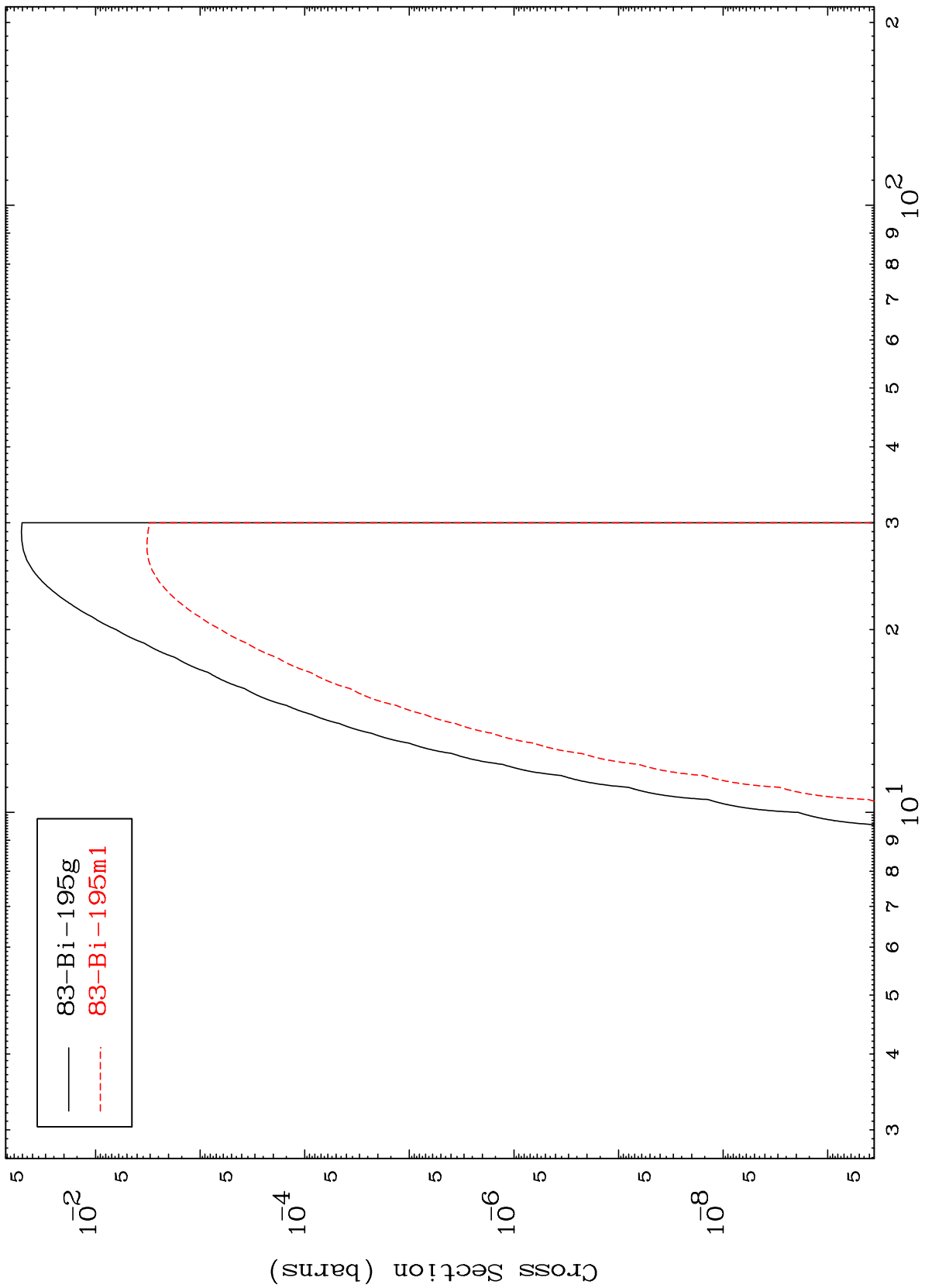


MAT 8508

(n,2n) p

85-At-197

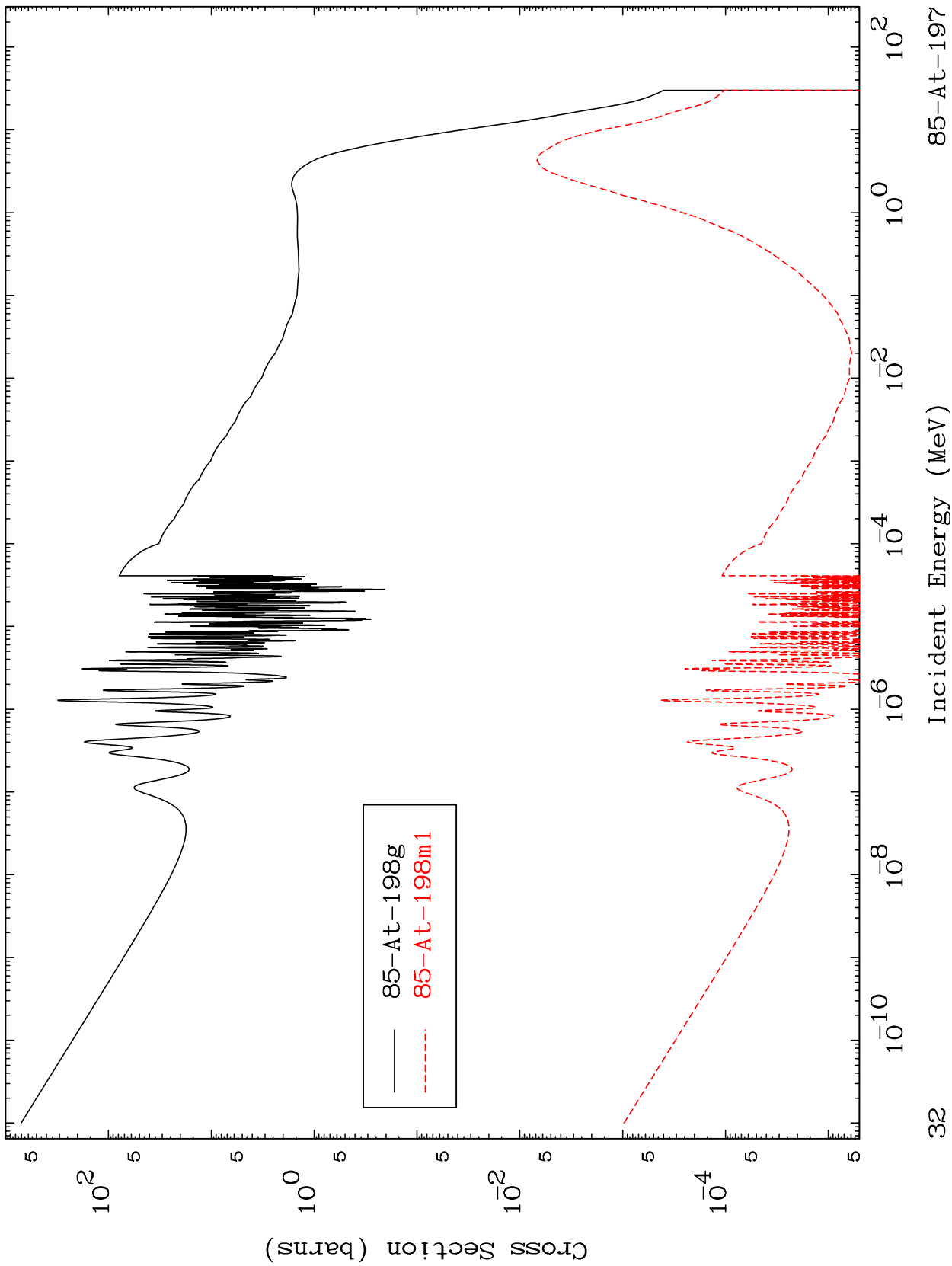
Radionuclide Production Cross Section



MAT 8508

85-At-197

(n,γ)
Radionuclide Production Cross Section



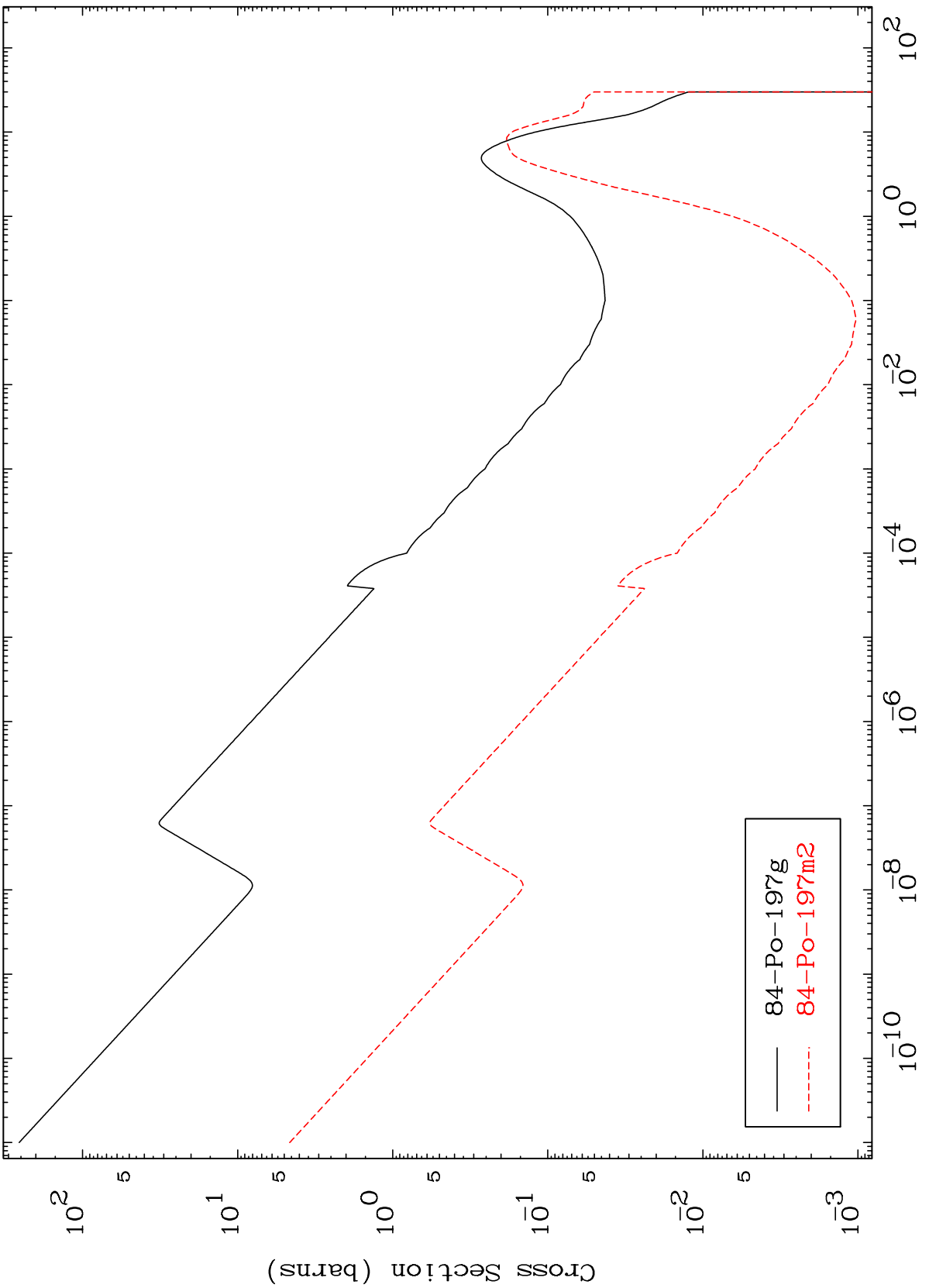
32

85-At-197

MAT 8508

85-At-197

Radionuclide Production Cross Section (n,p)



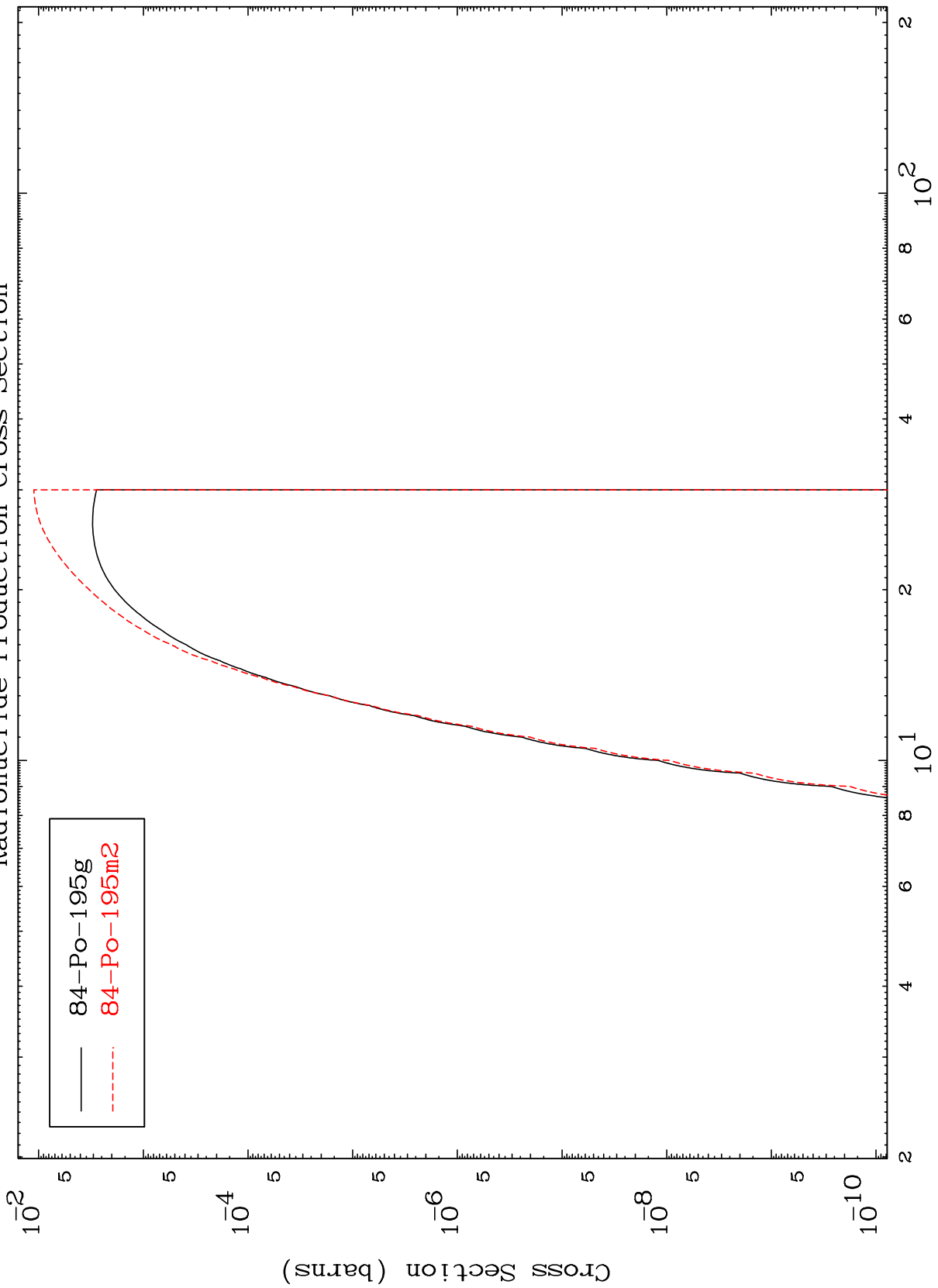
85-At-197

Incident Energy (MeV)

MAT 8508

85-At-197

(n, t)
Radionuclide Production Cross Section



34

Incident Energy (MeV)

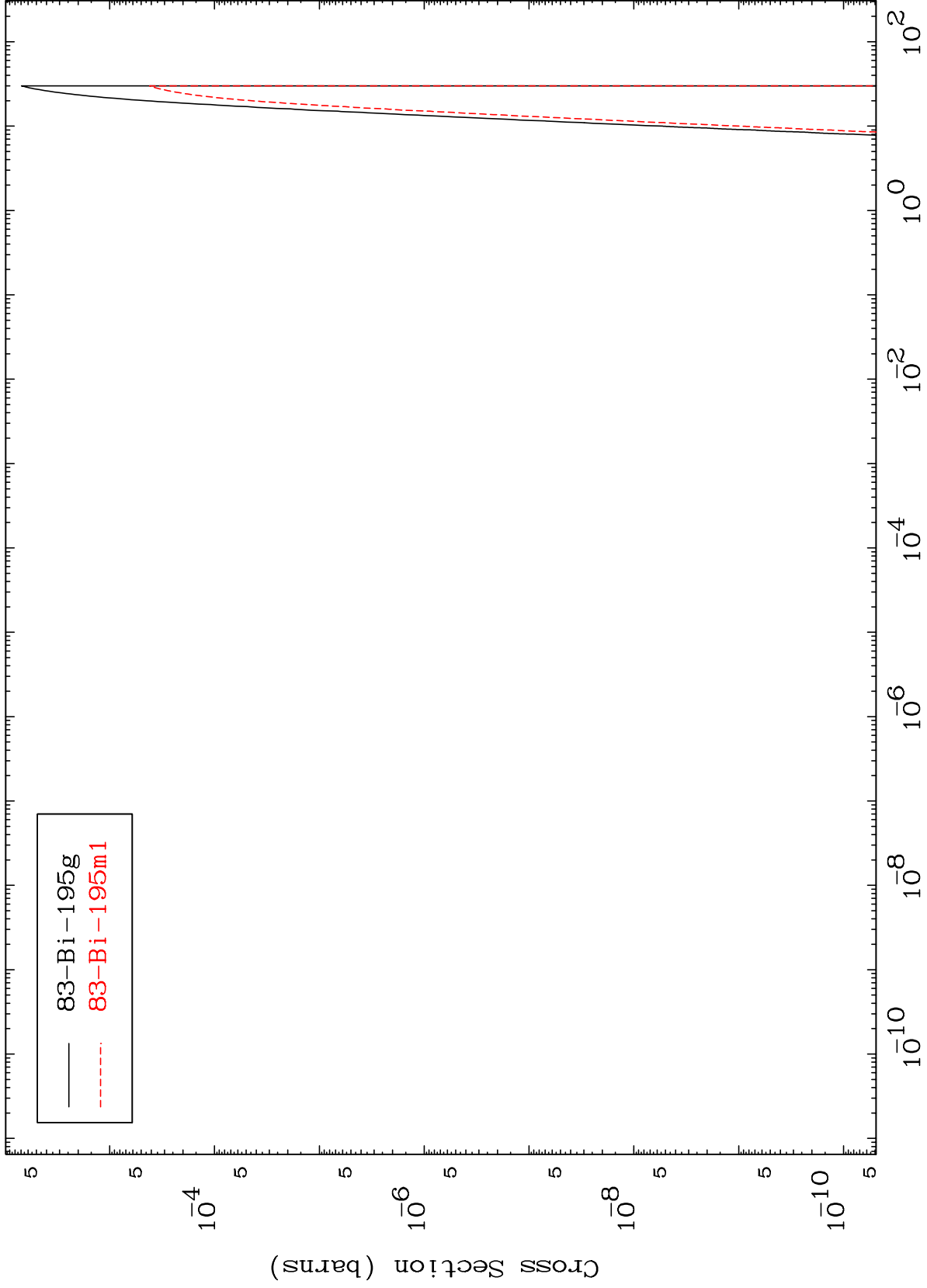
85-At-197

MAT 8508

(n,He-3)

85-At-197

Radionuclide Production Cross Section

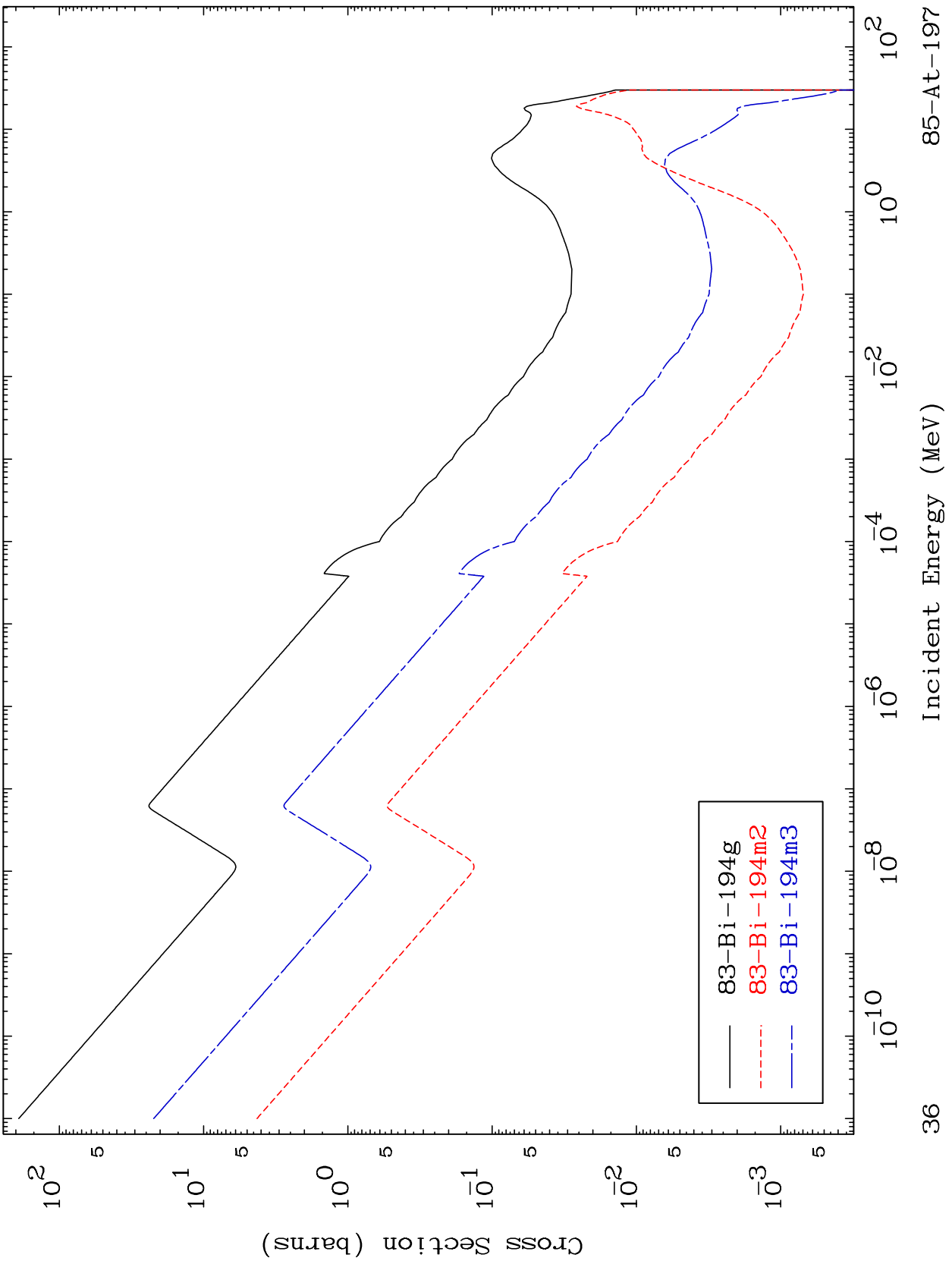


35

Incident Energy (MeV)

85-At-197

Radionuclide Production Cross Section

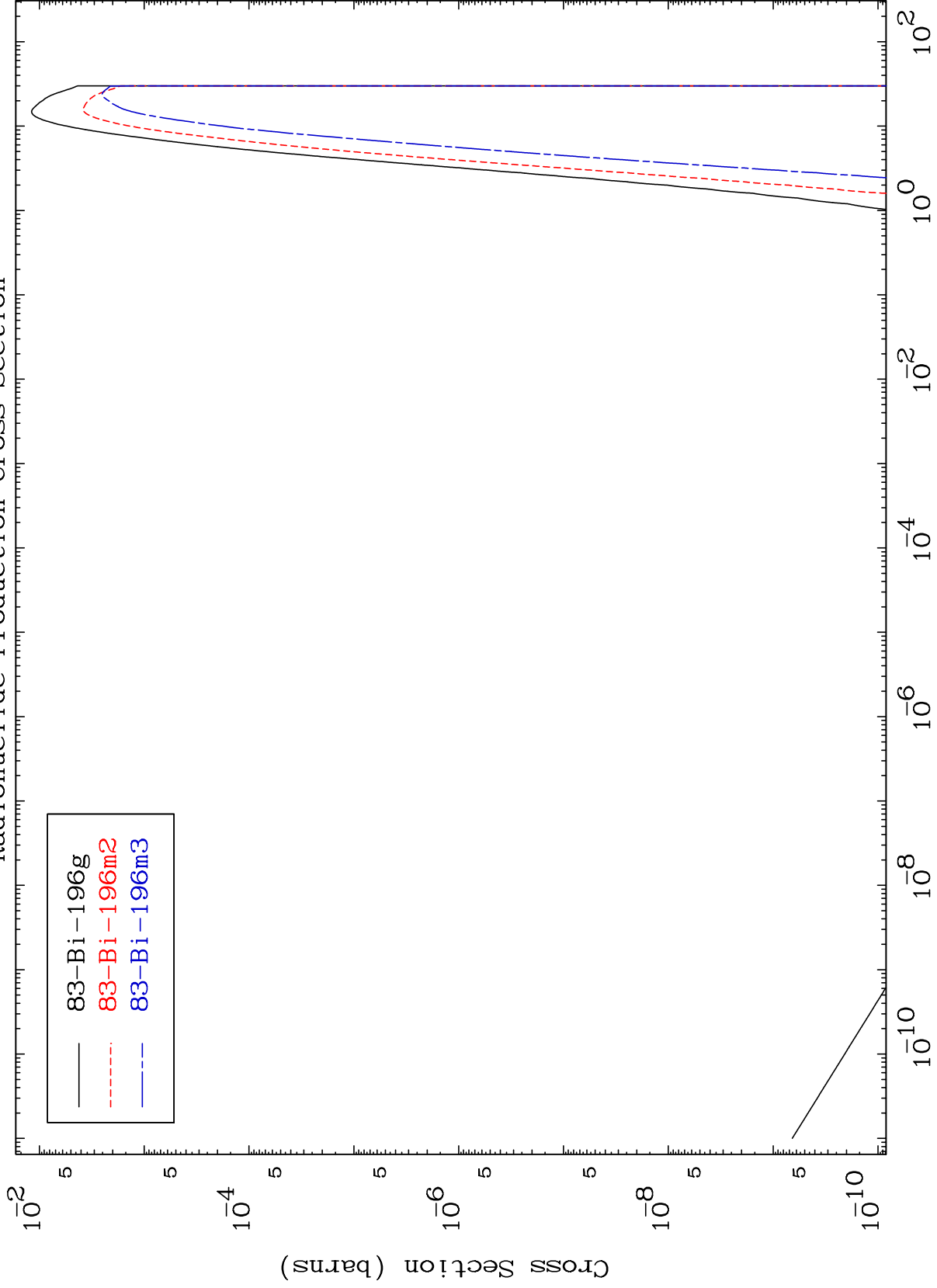


MAT 8508

(n,2p)

85-At-197

Radionuclide Production Cross Section



37

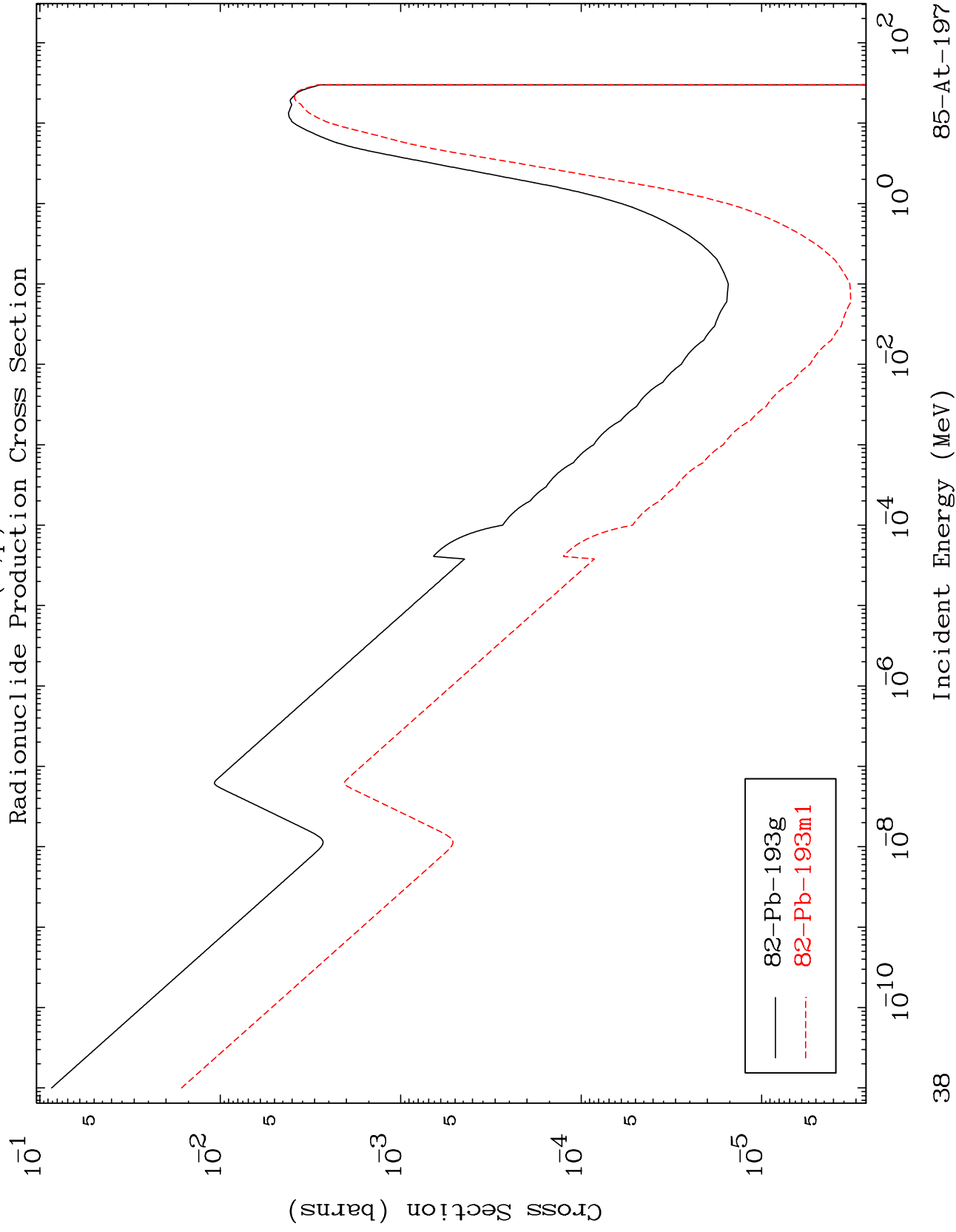
Incident Energy (MeV)

85-At-197

MAT 8508

(n,p) α

85-At-197

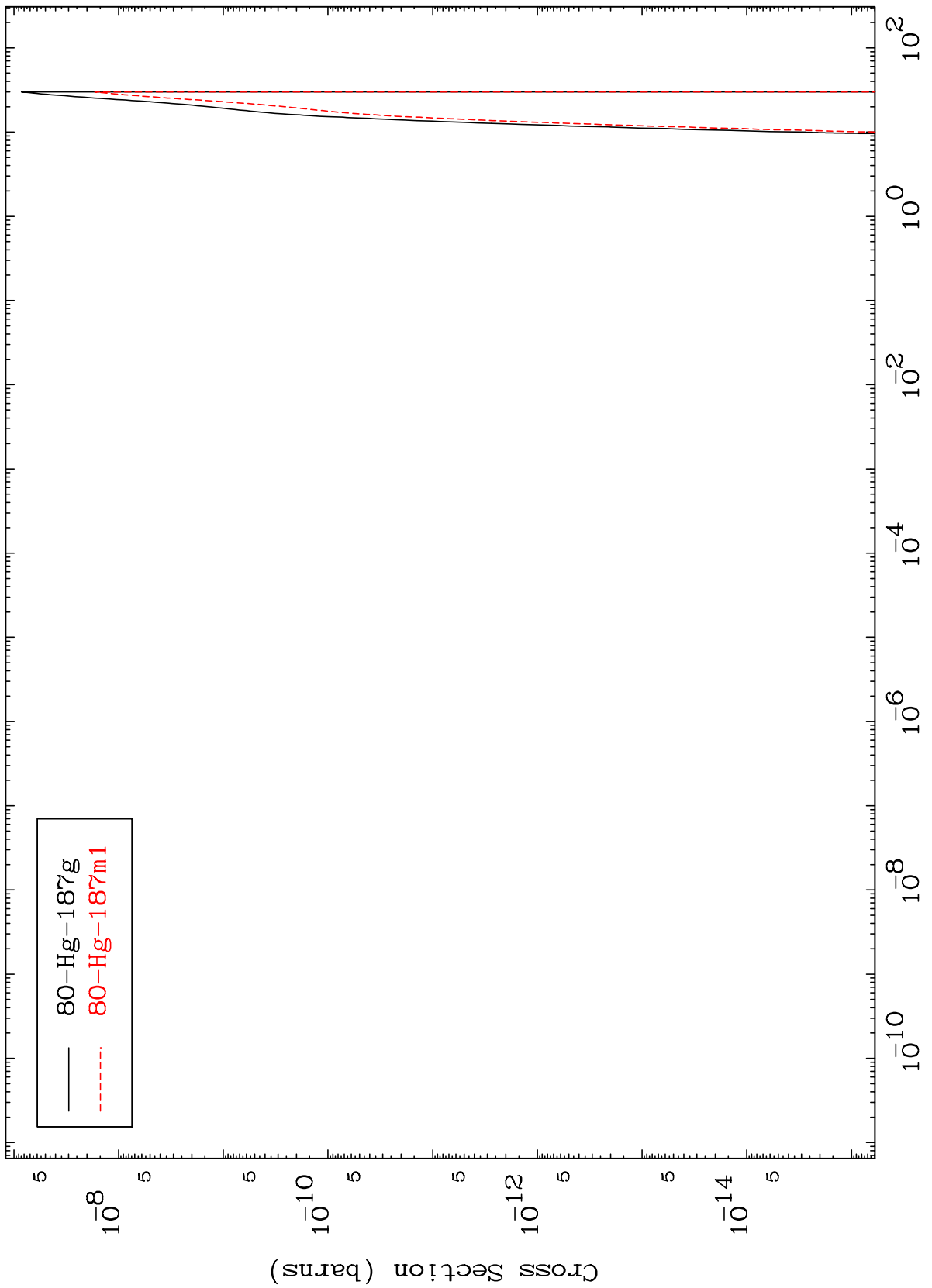


MAT 8508

(n,t) 2 α

85-At-197

Radionuclide Production Cross Section



80-Hg-187g
80-Hg-187m1

39

Incident Energy (MeV)

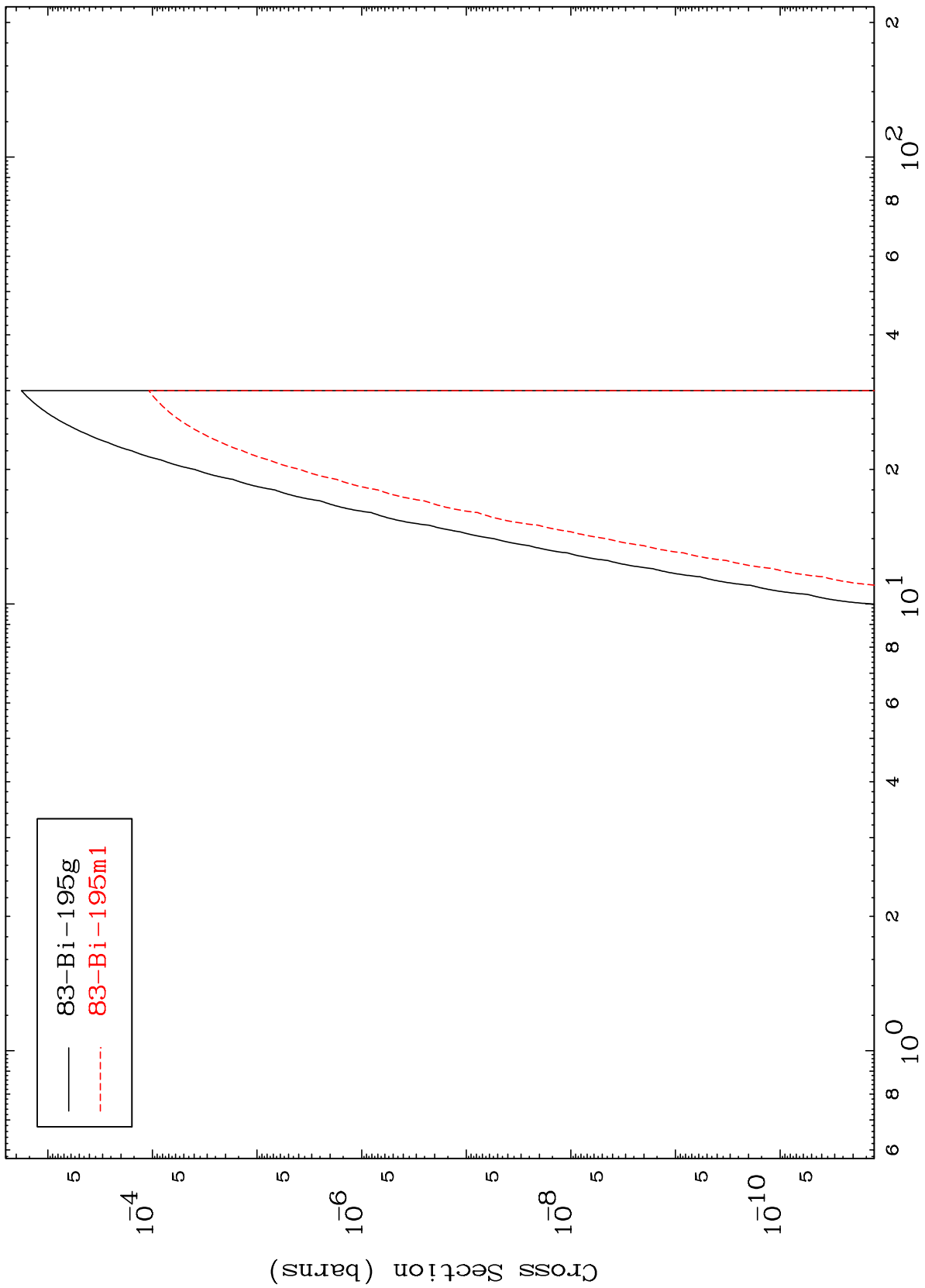
85-At-197

MAT 8508

(n,p) d

85-At-197

Radionuclide Production Cross Section



83-Bi-195g
83-Bi-195m1

40

Incident Energy (MeV)

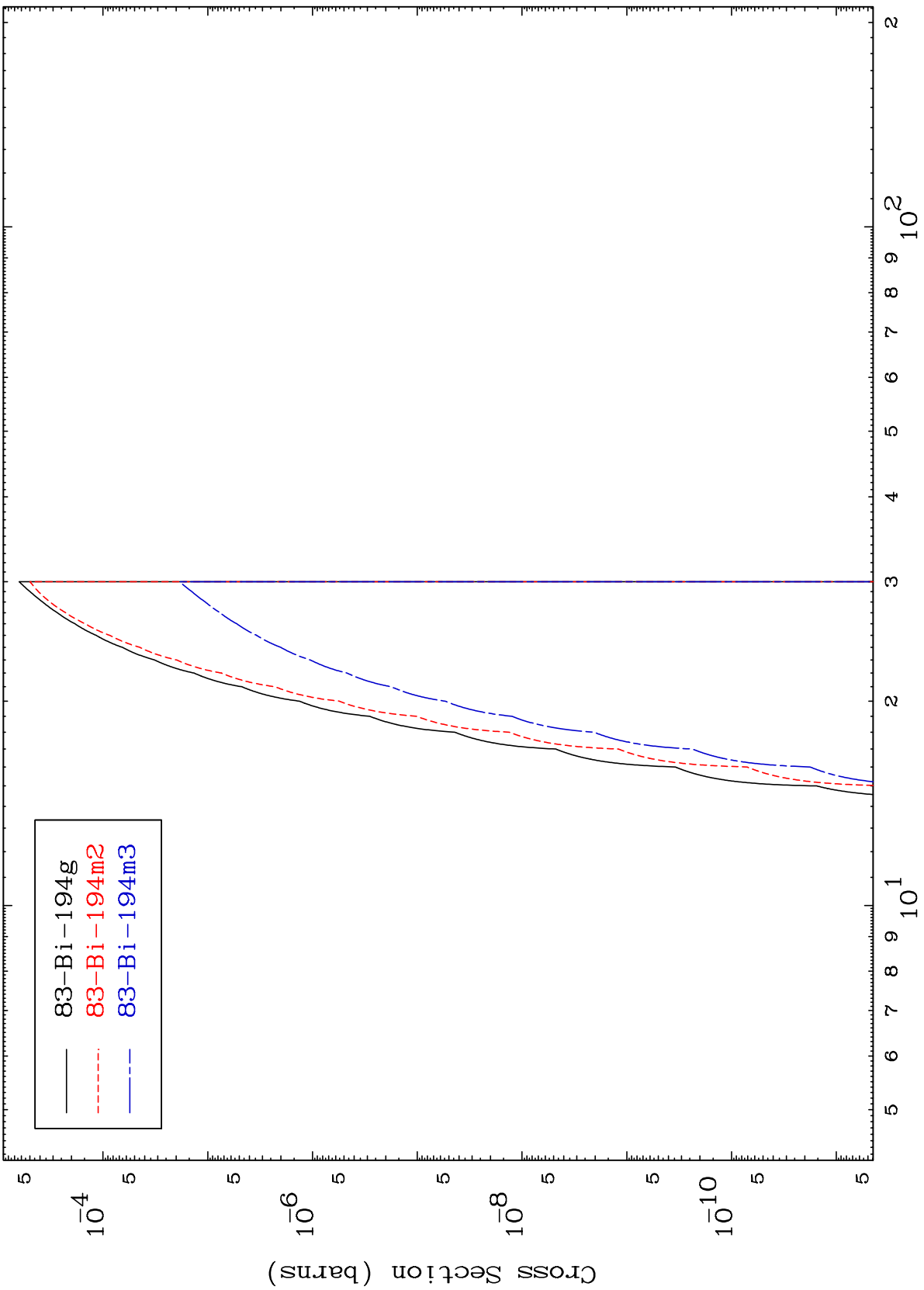
85-At-197

MAT 8508

(n,p) t

85-At-197

Radionuclide Production Cross Section



41

Incident Energy (MeV)

85-At-197