

Program EVALPLOT
(Version 2021-1)

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

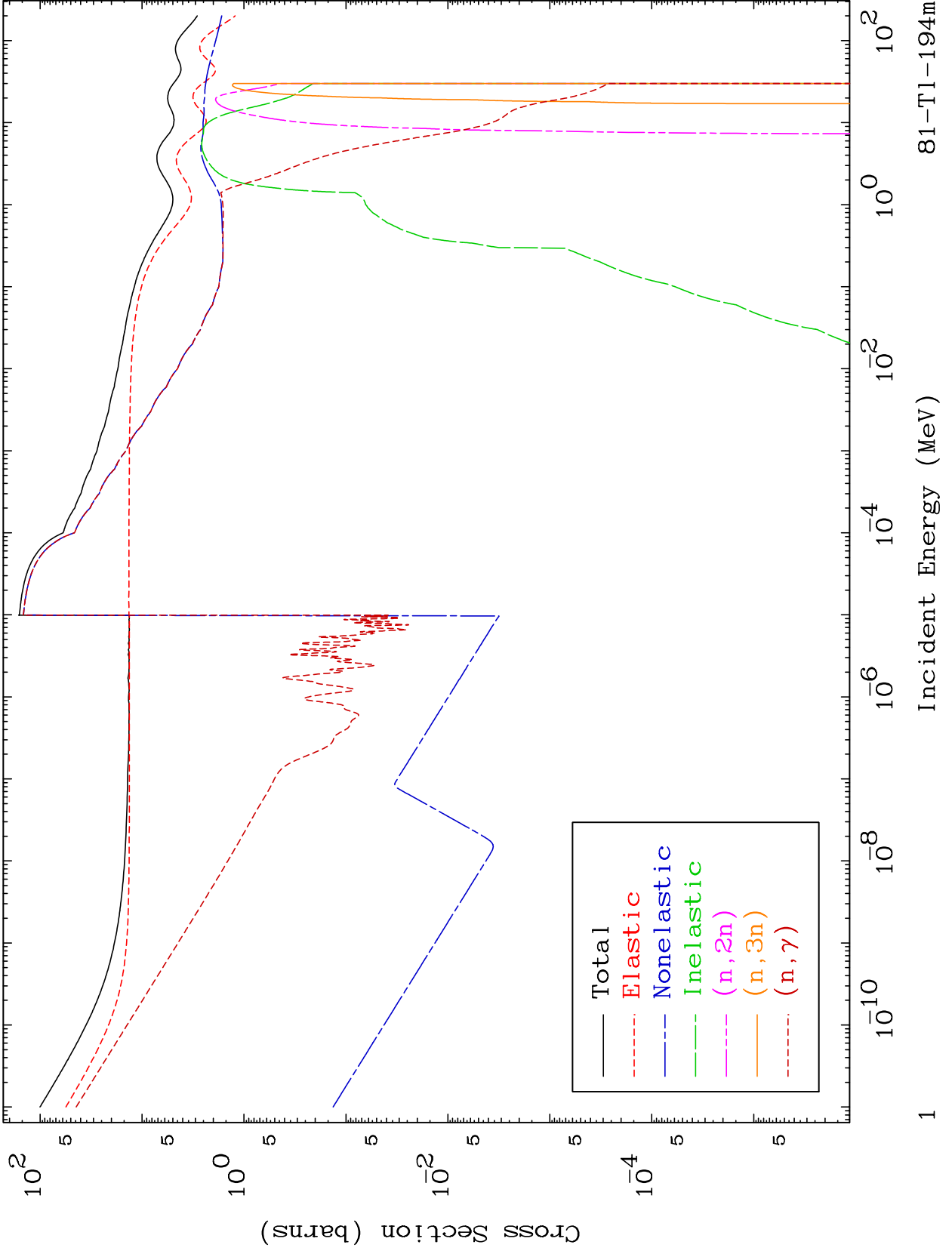
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8099

Neutron Major
293 Kelvin Cross Sections

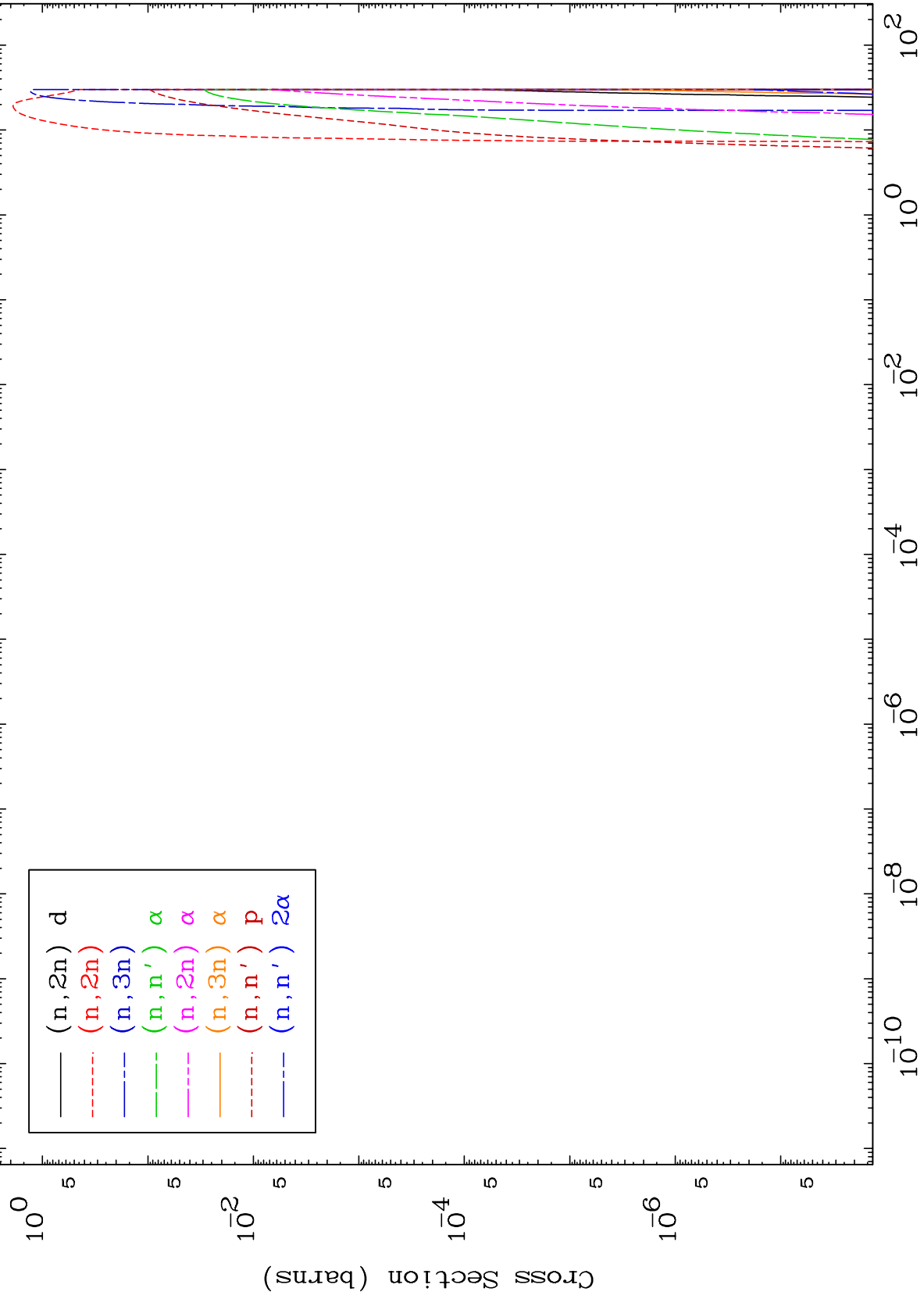
81-TI-194m



MAT 8099

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-194m



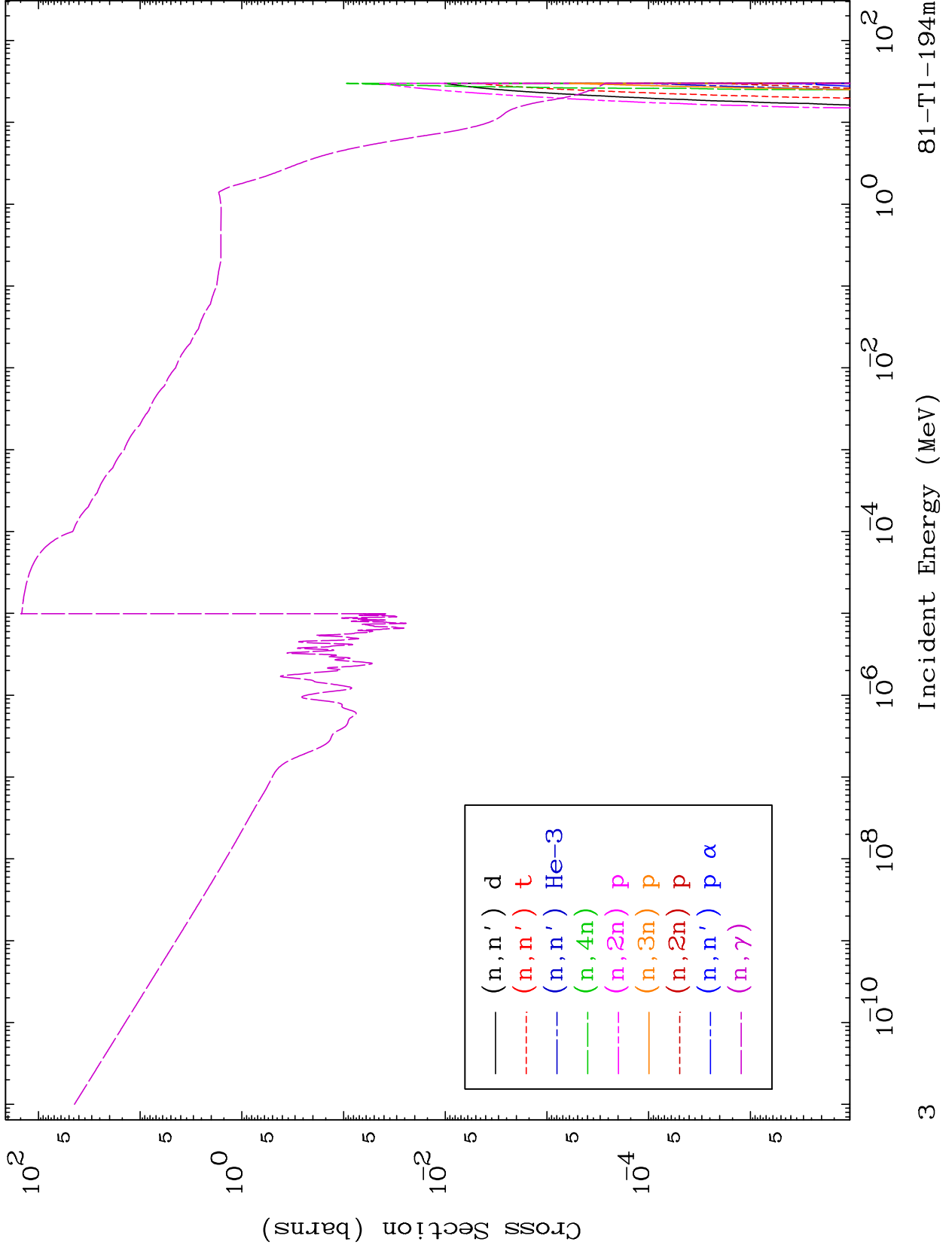
81-Tl-194m

Incident Energy (MeV)

MAT 8099

Neutron Absorption
293 Kelvin Cross Sections

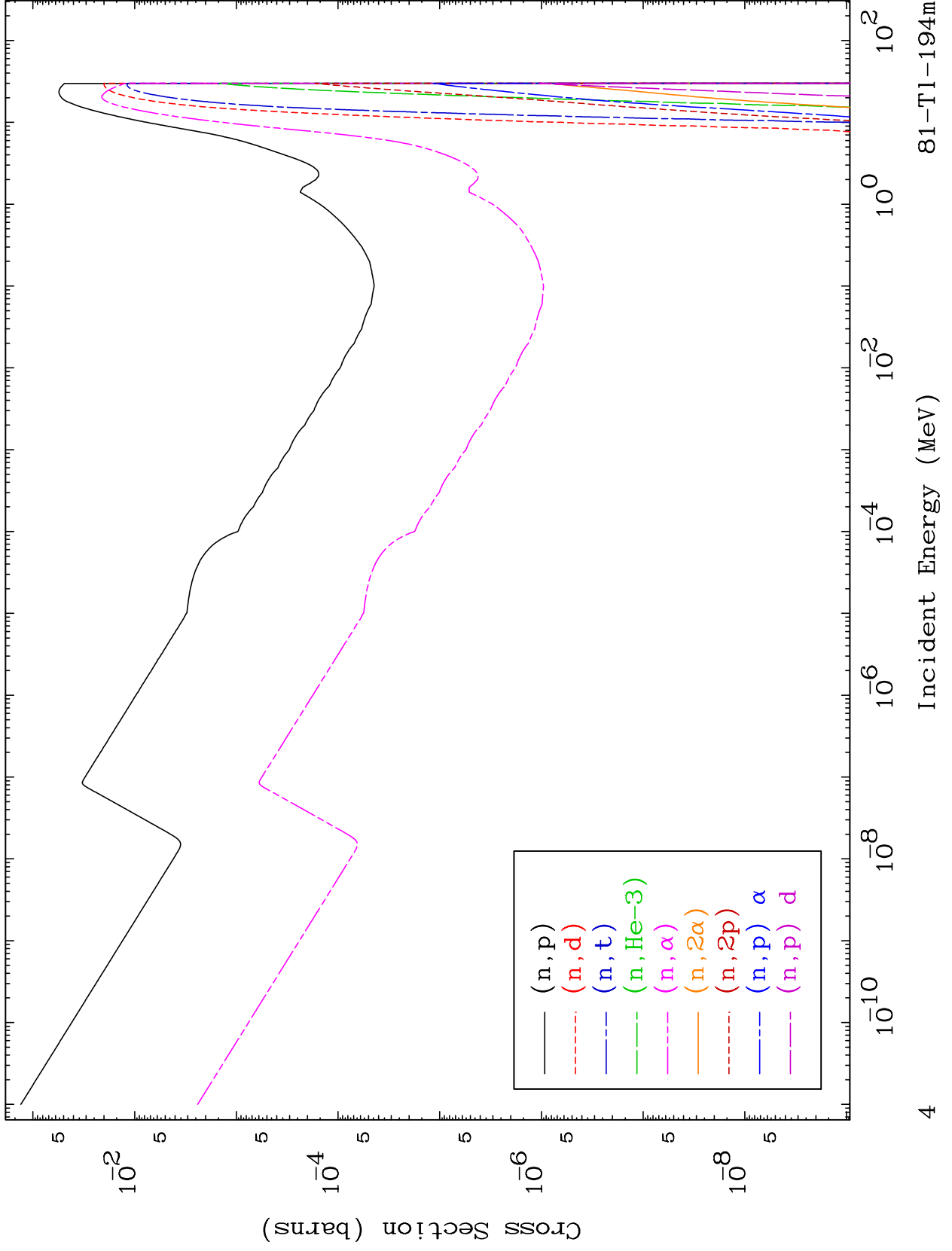
81-Tl-194m

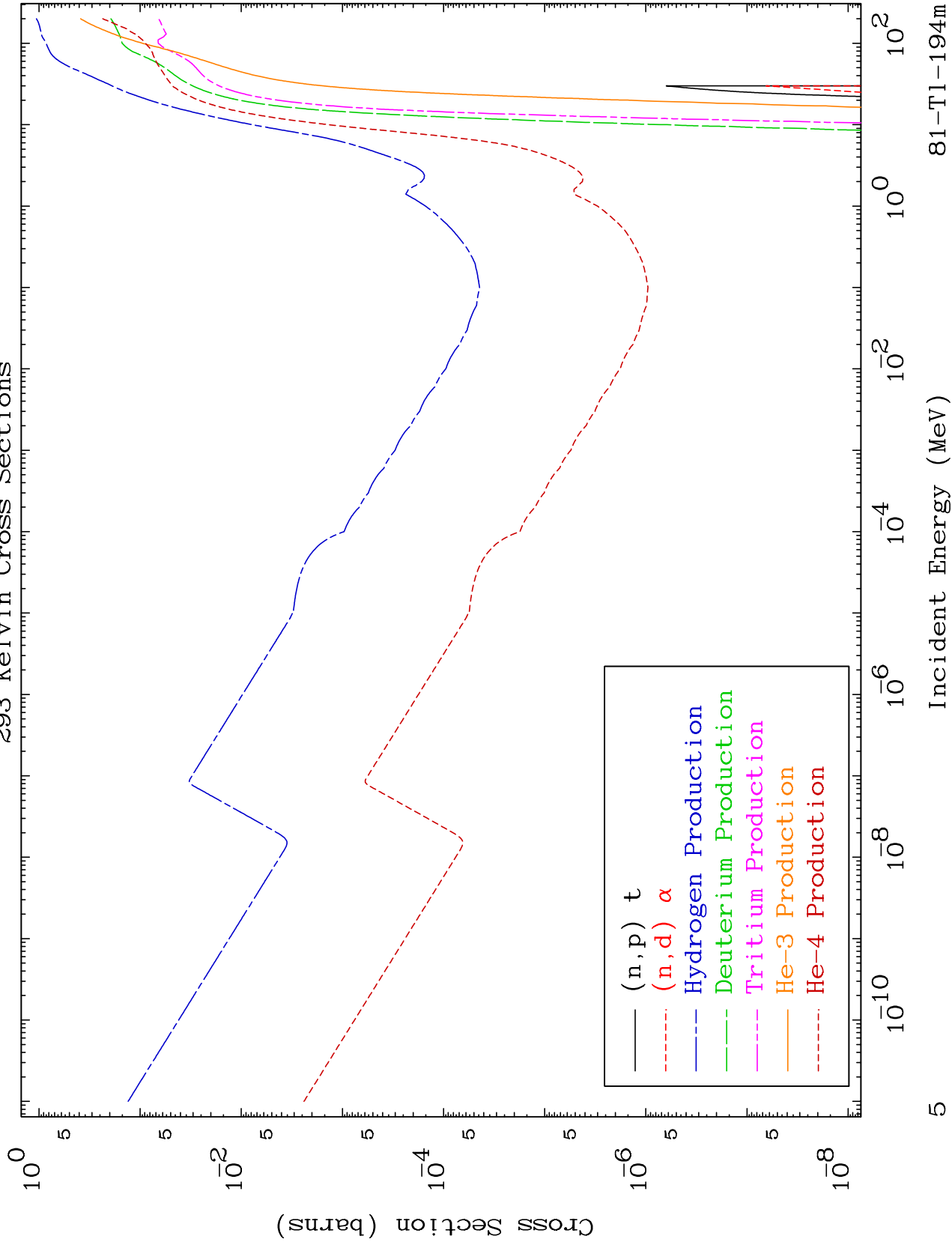


MAT 8099

Neutron Absorption
293 Kelvin Cross Sections

81-TI-194m

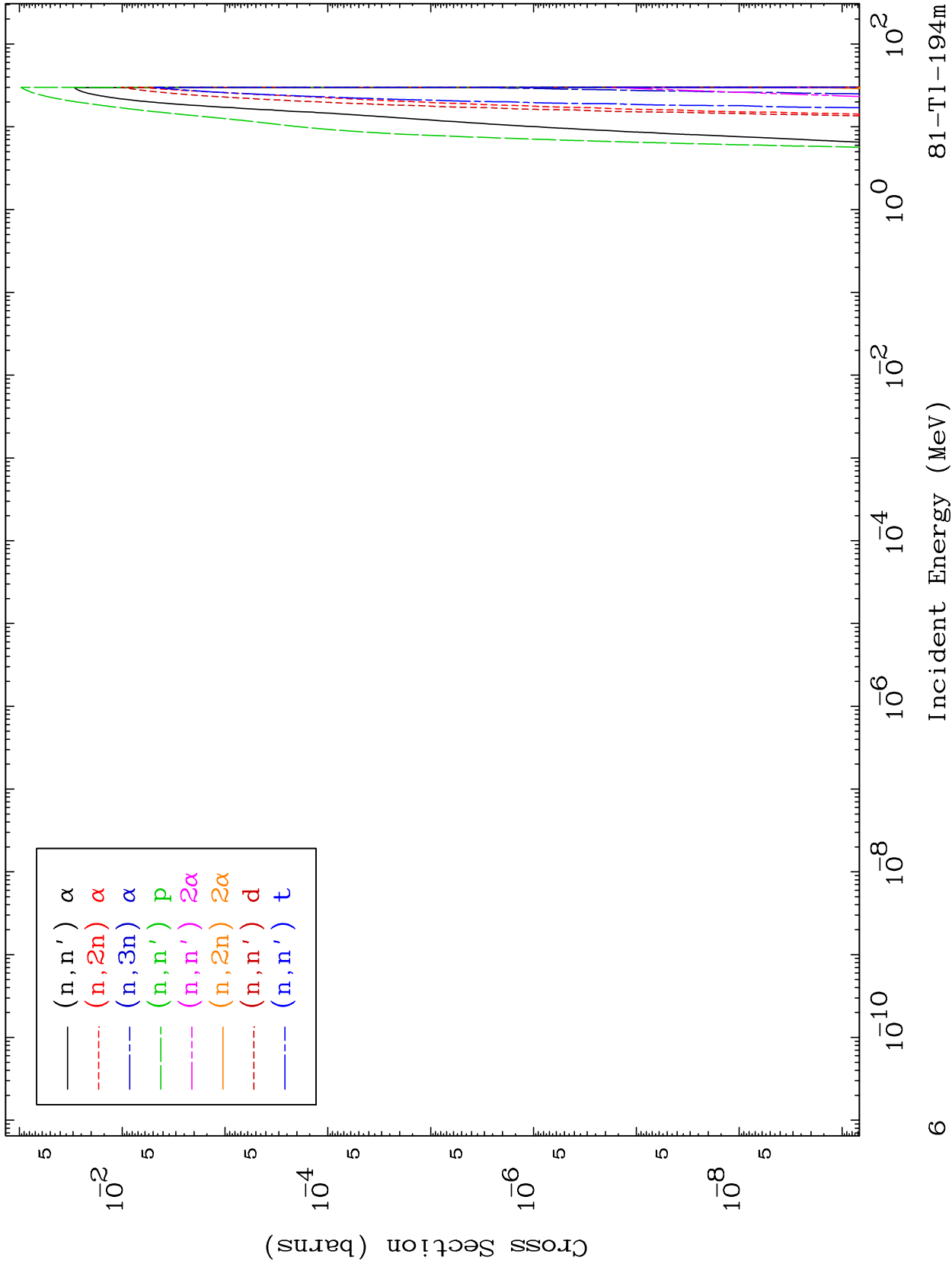




MAT 8099

Charged Particle
293 Kelvin Cross Sections

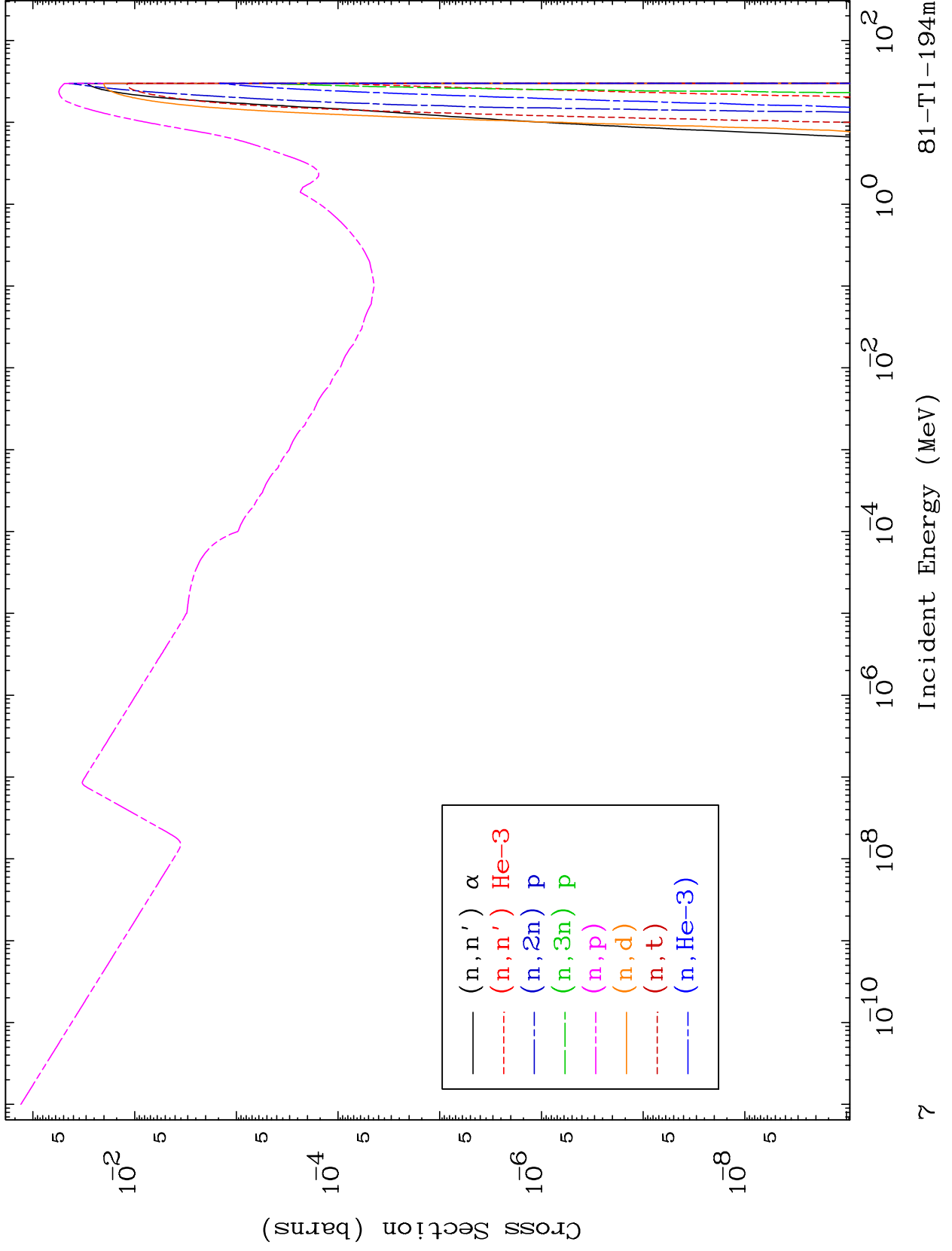
81-Tl-194m



MAT 8099

Charged Particle
293 Kelvin Cross Sections

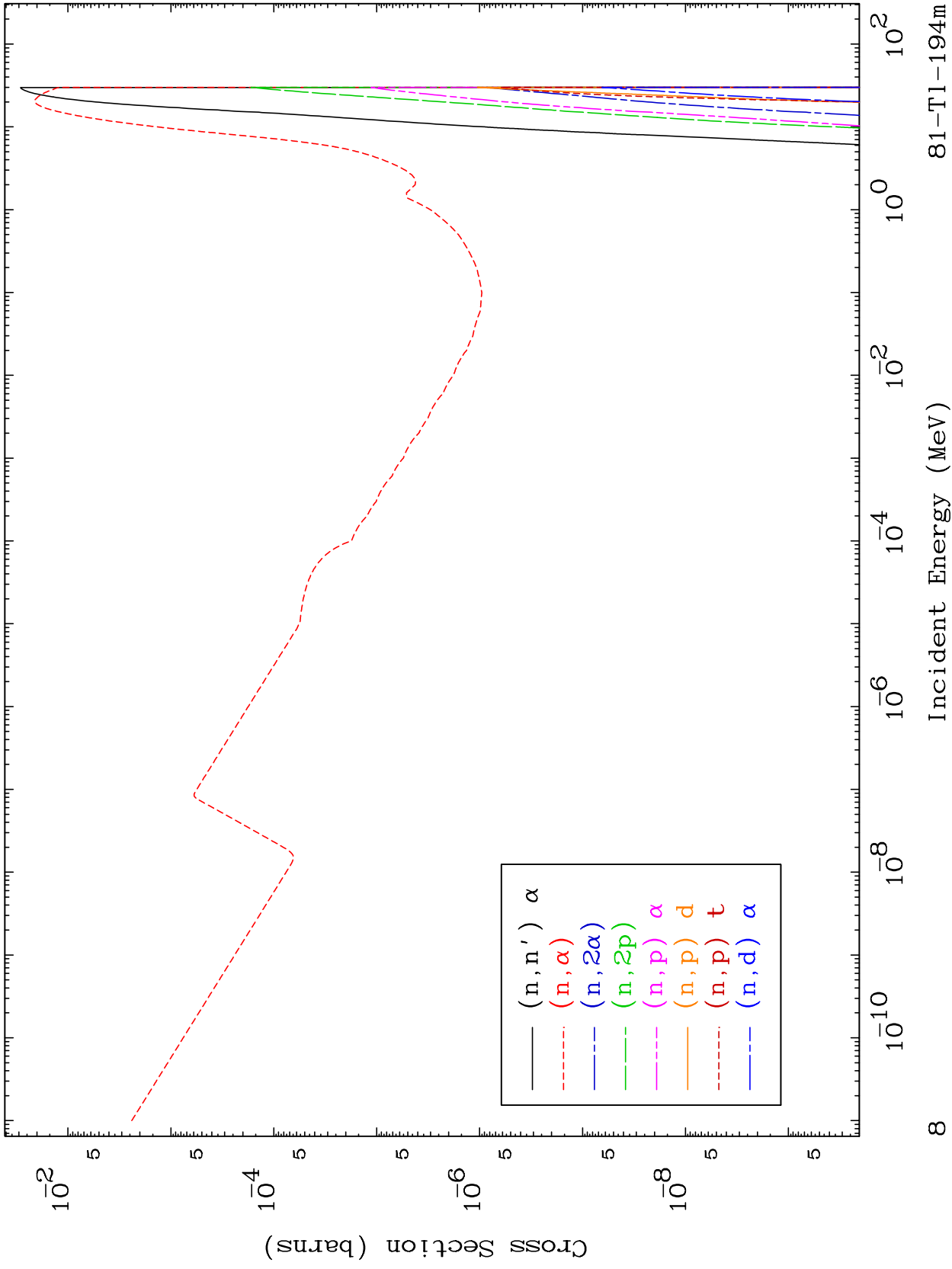
81-Tl-194m

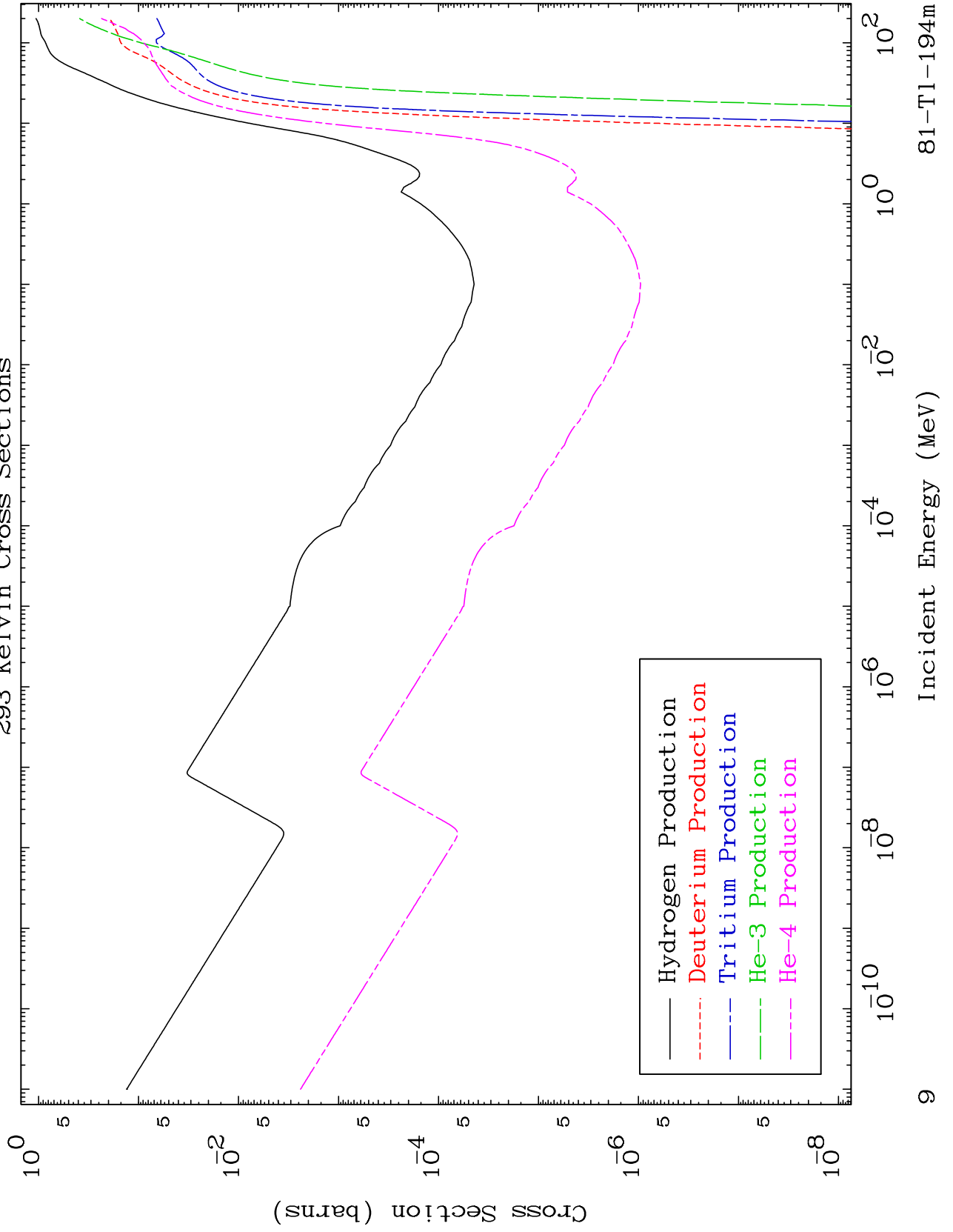


MAT 8099

Charged Particle
293 Kelvin Cross Sections

81-Tl-194m

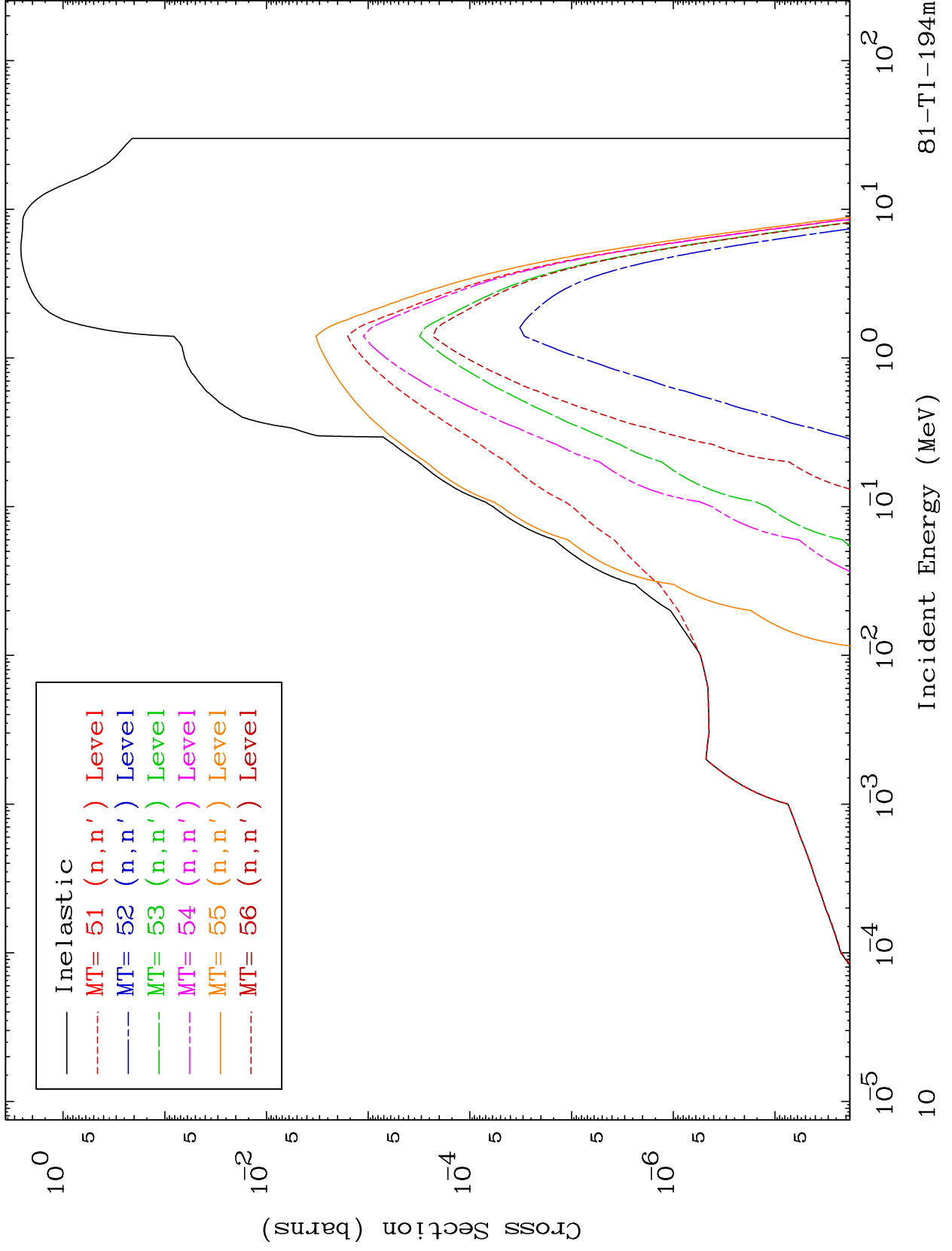




MAT 8099

(n,n') Levels
293 Kelvin Cross Sections

81-Tl-194m

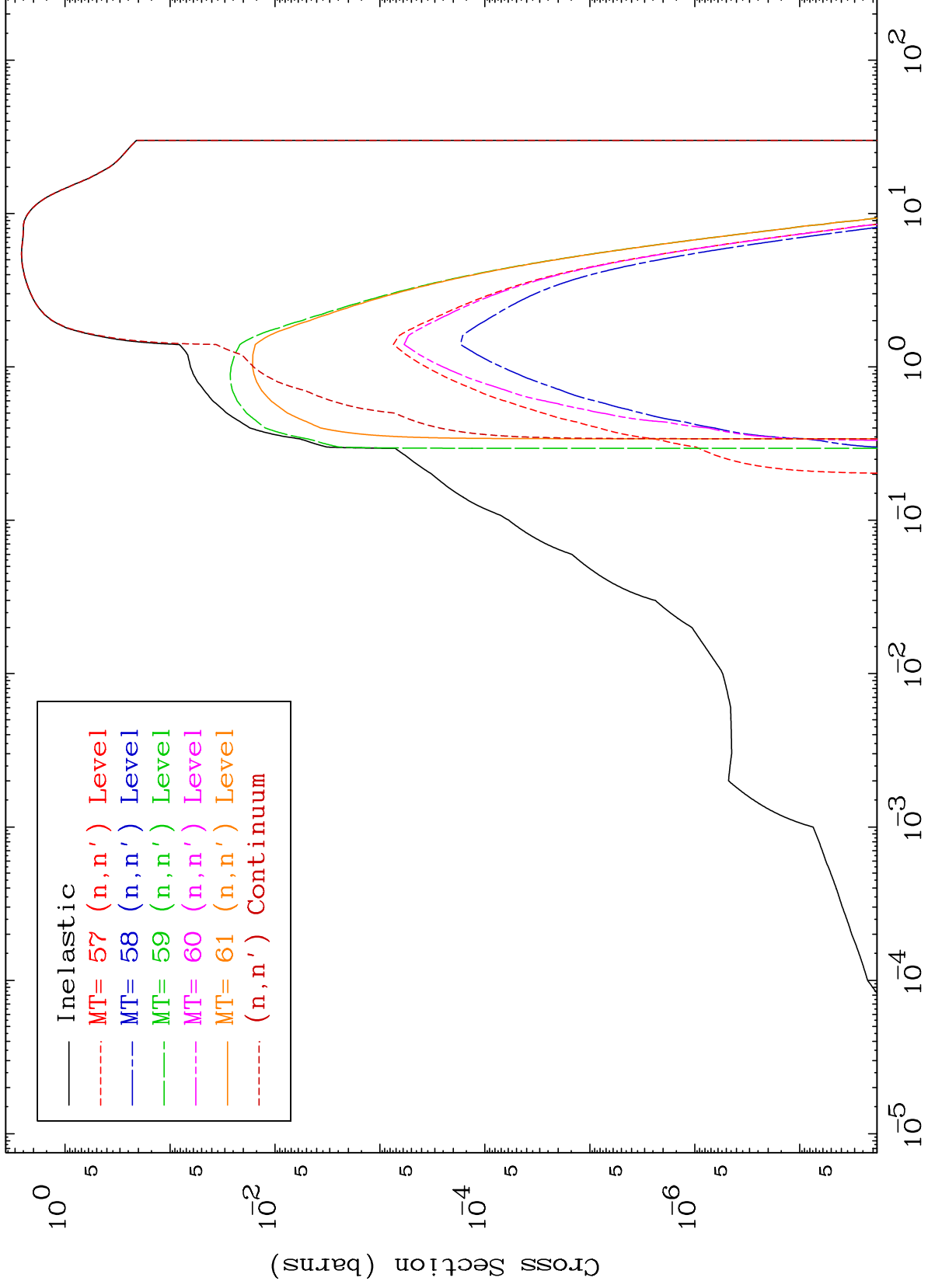


MAT 8099

(n,n') Levels

81-Tl-194m

293 Kelvin Cross Sections



11

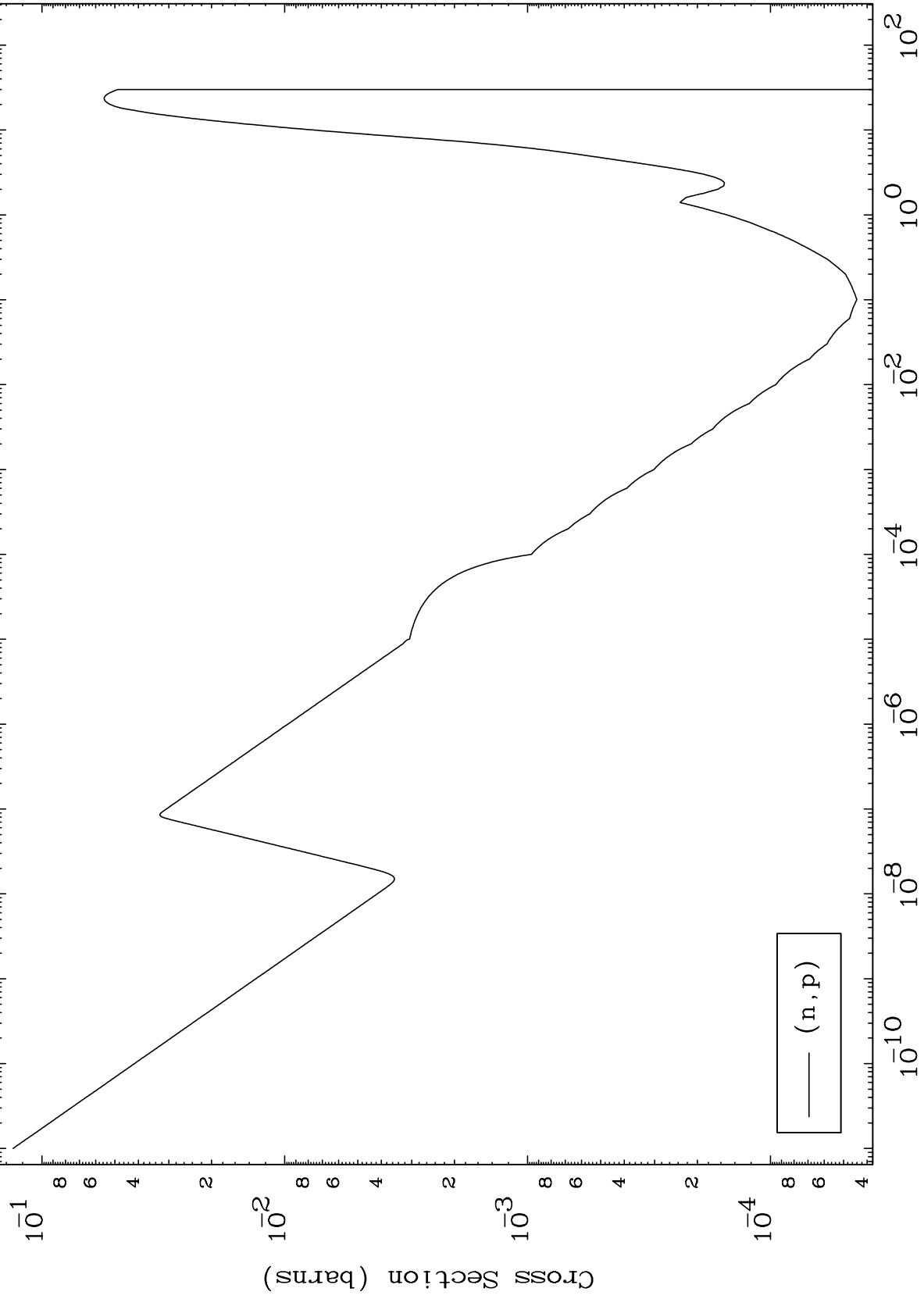
Incident Energy (MeV)

81-Tl-194m

MAT 8099

(n,p) Levels
293 Kelvin Cross Sections

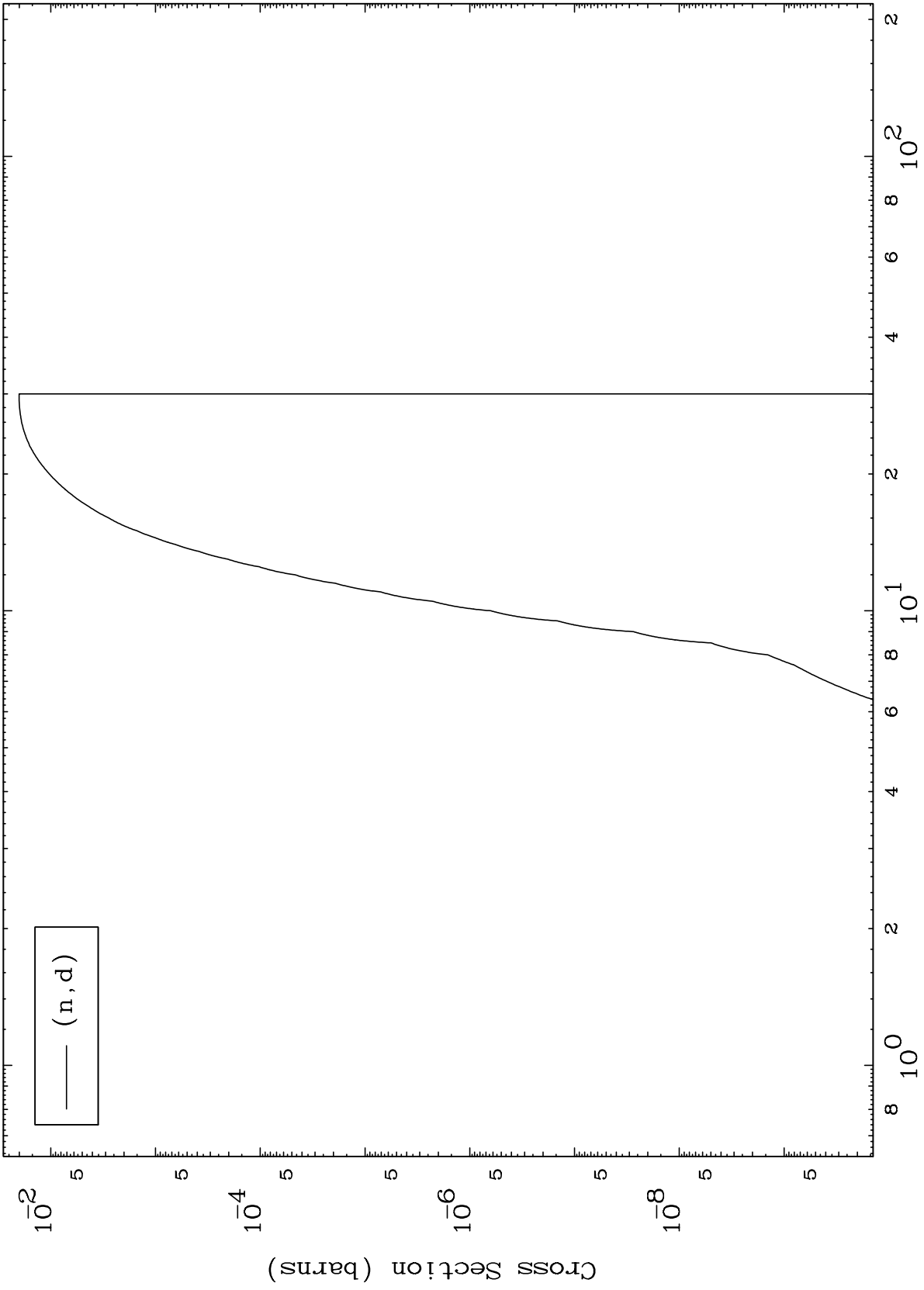
81-Tl-194m



MAT 8099

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-194m



13

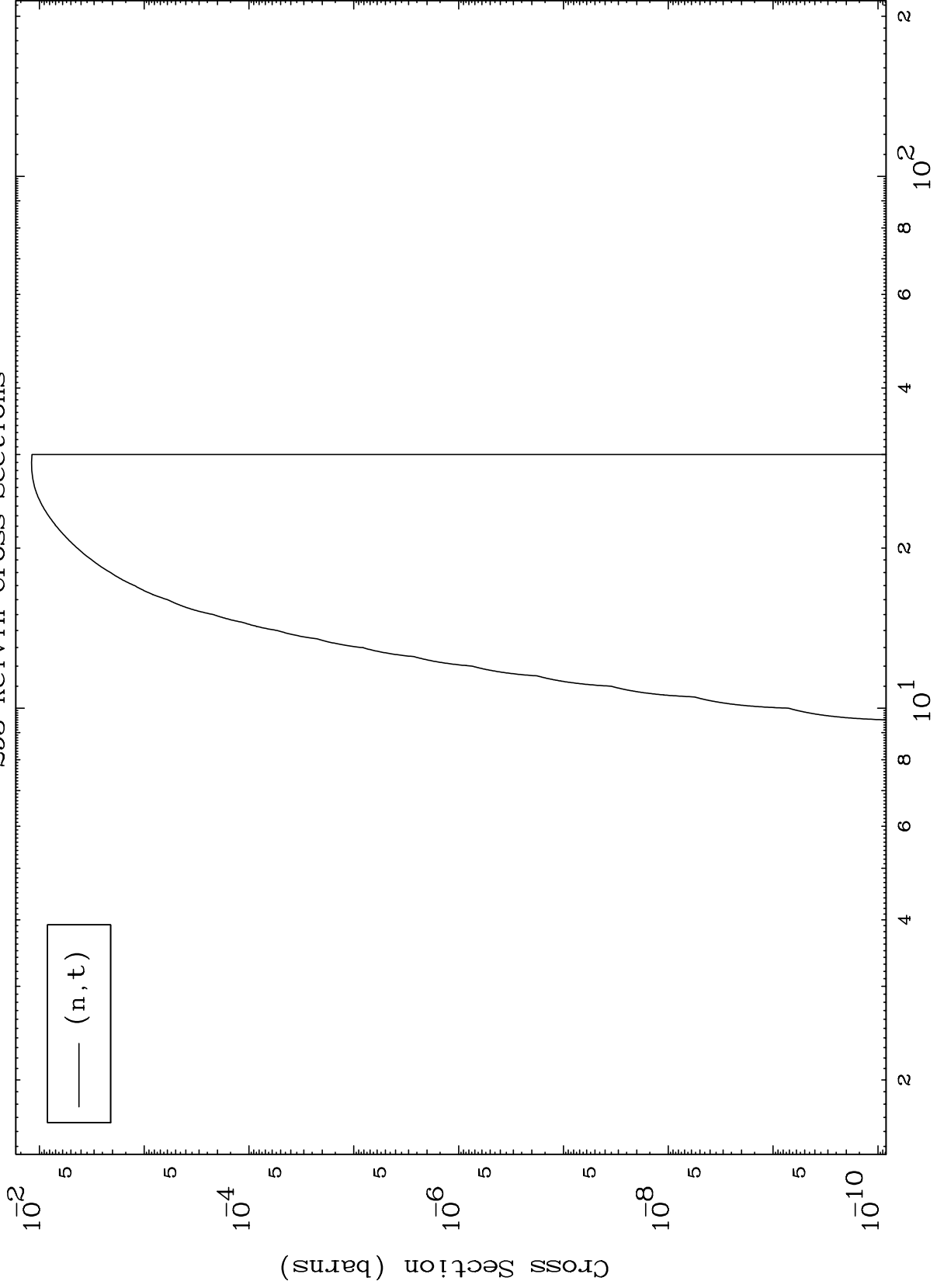
Incident Energy (MeV)

81-Tl-194m

MAT 8099

(n,t) Levels
293 Kelvin Cross Sections

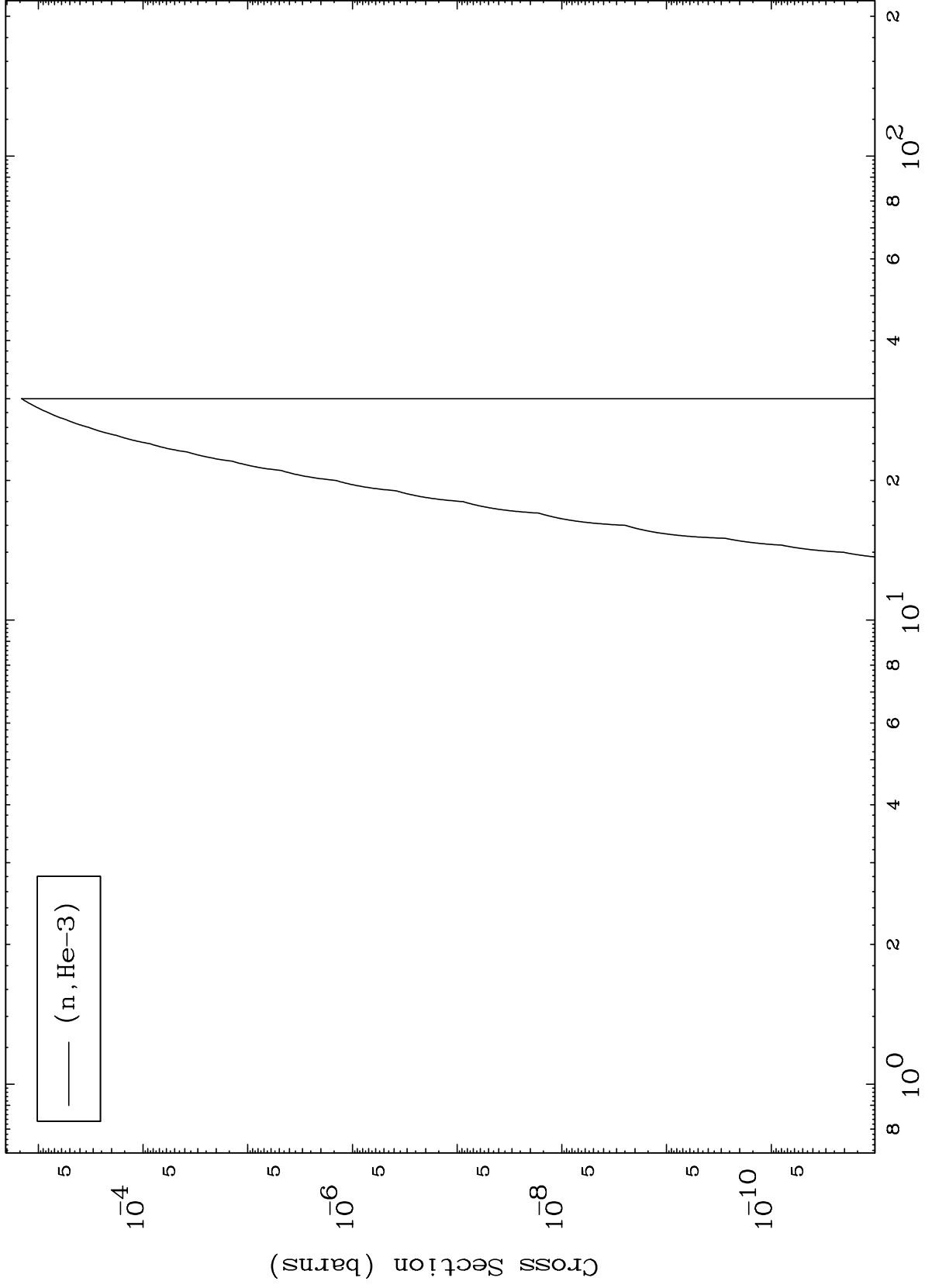
81-Tl-194m



MAT 8099

(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-194m



15

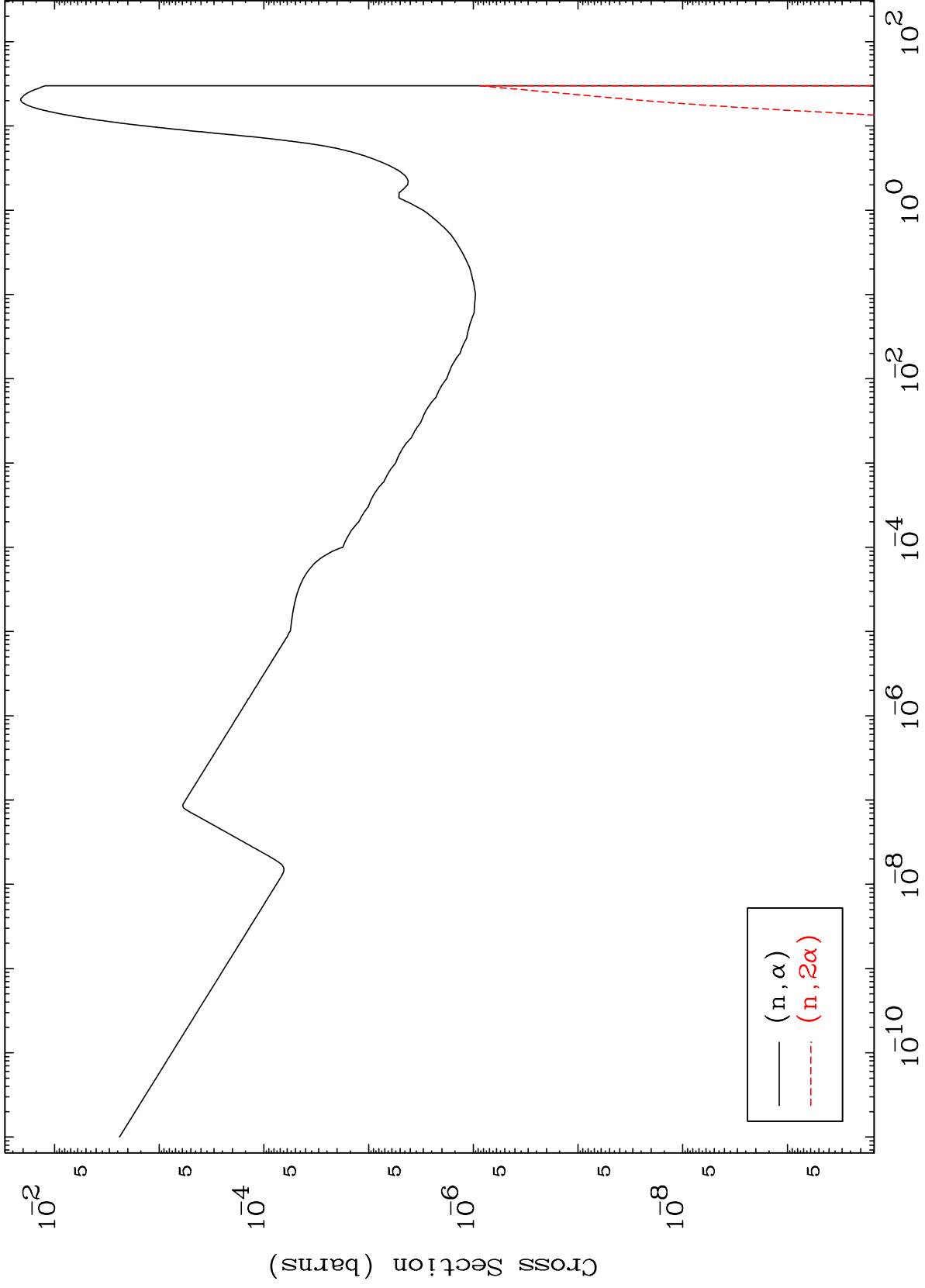
Incident Energy (MeV)

81-Tl-194m

MAT 8099

(n,α) Levels
293 Kelvin Cross Sections

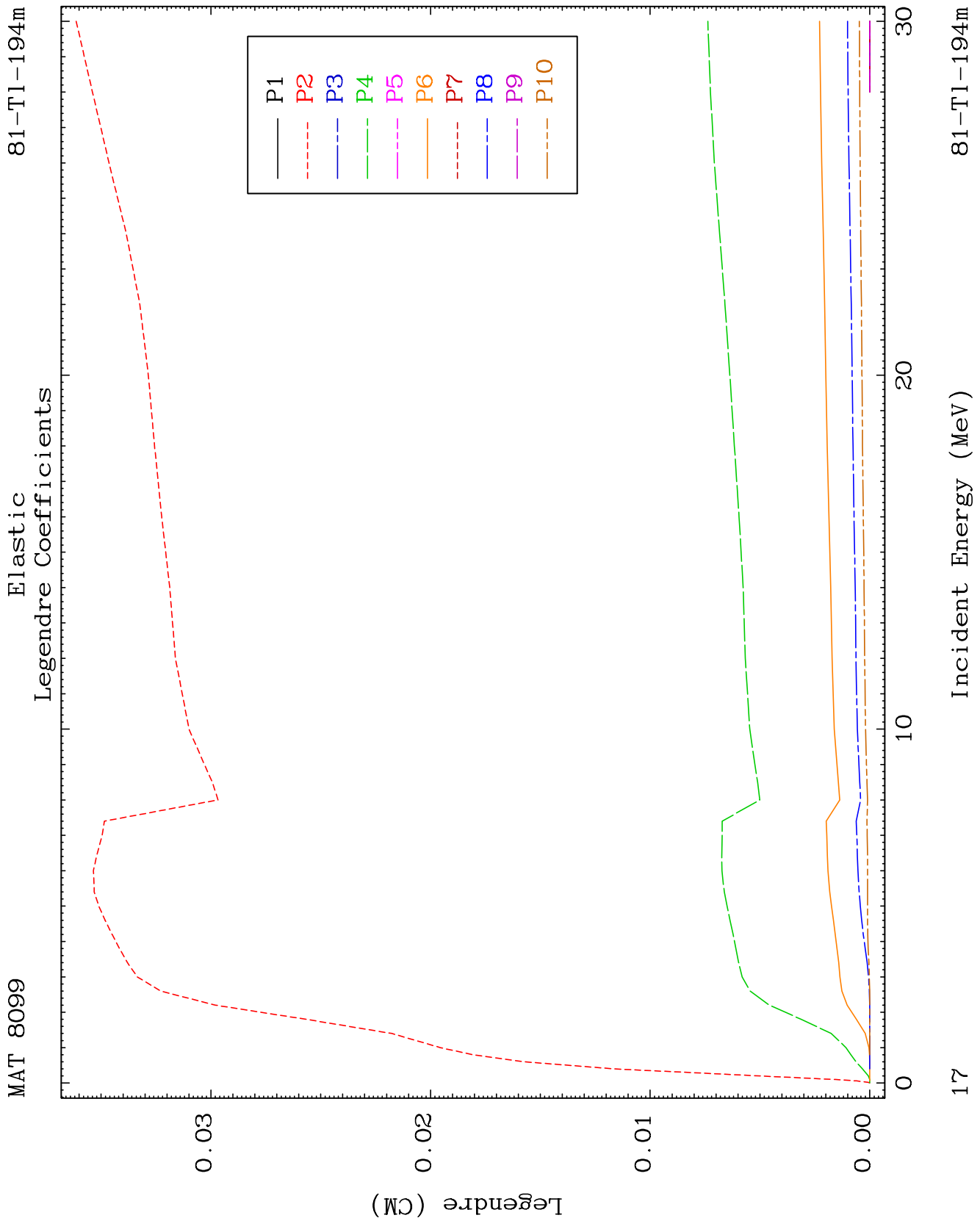
81-Tl-194m



16

Incident Energy (MeV)

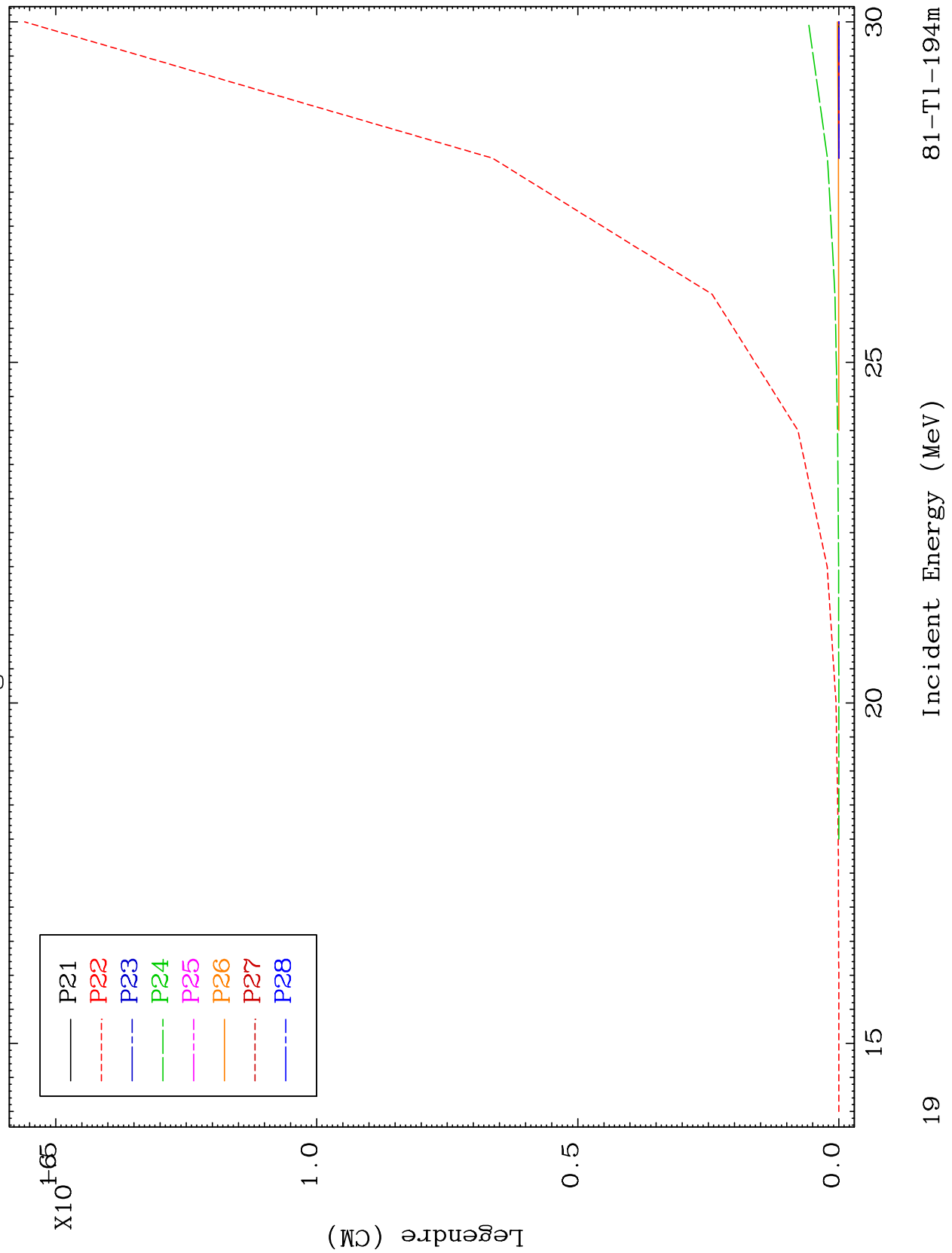
81-Tl-194m



MAT 8099

Elastic Legendre Coefficients

81-Tl-194m



19

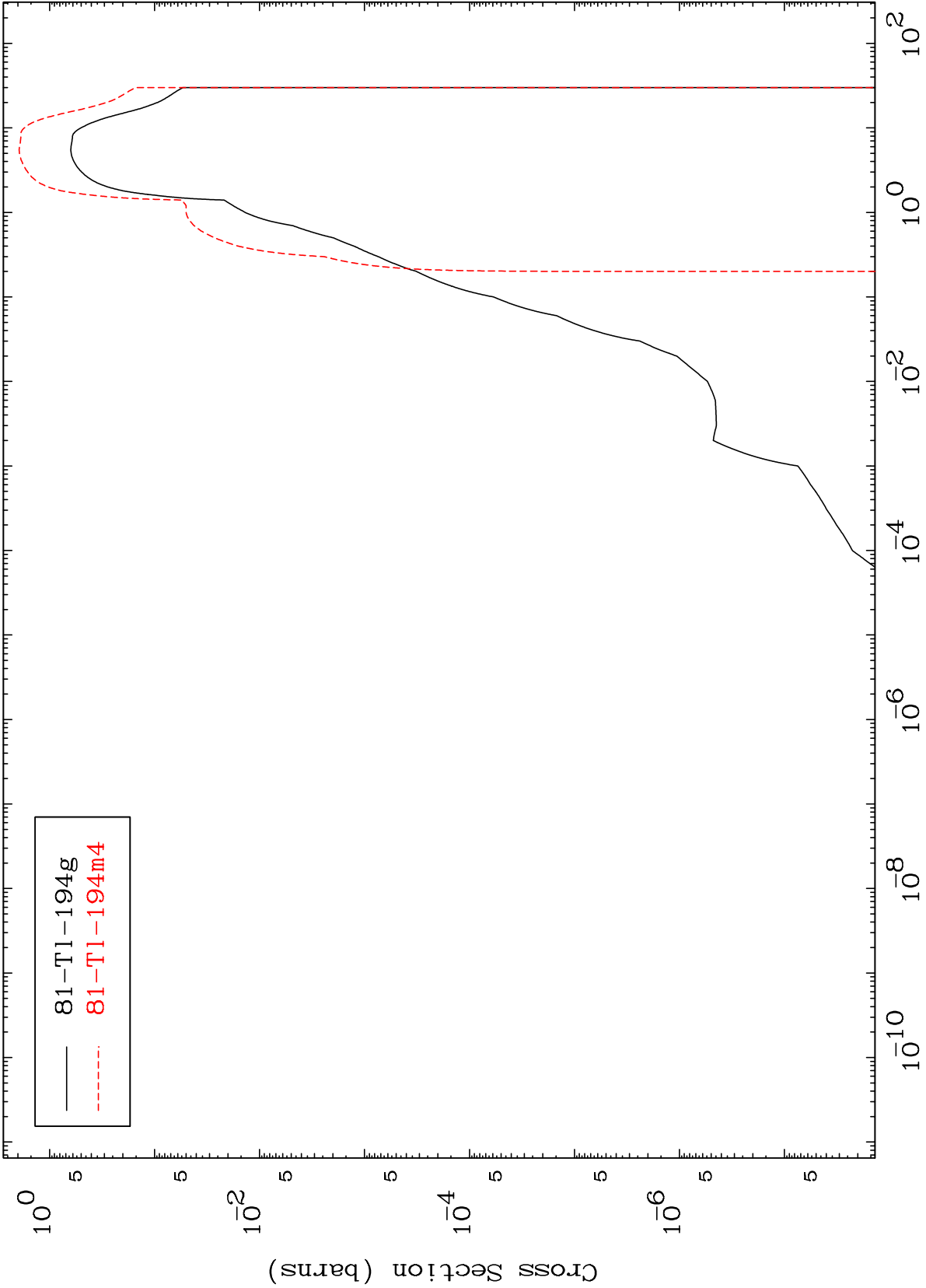
Incident Energy (MeV)

81-Tl-194m

MAT 8099

Inelastic
Radionuclide Production Cross Section

81-Tl-194m



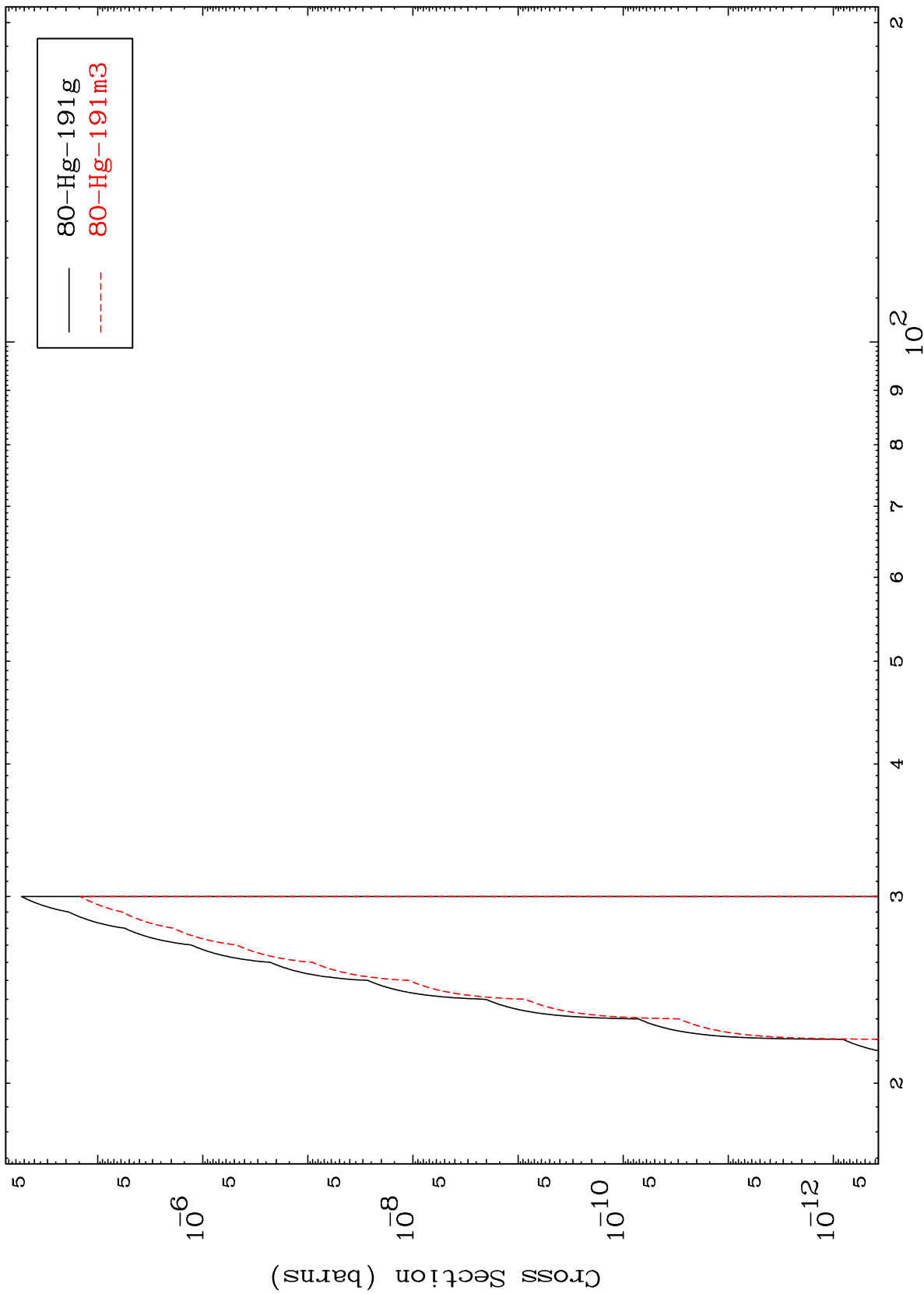
81-Tl-194m

MAT 8099

(n,2n) d

81-TI-194m

Radionuclide Production Cross Section



21

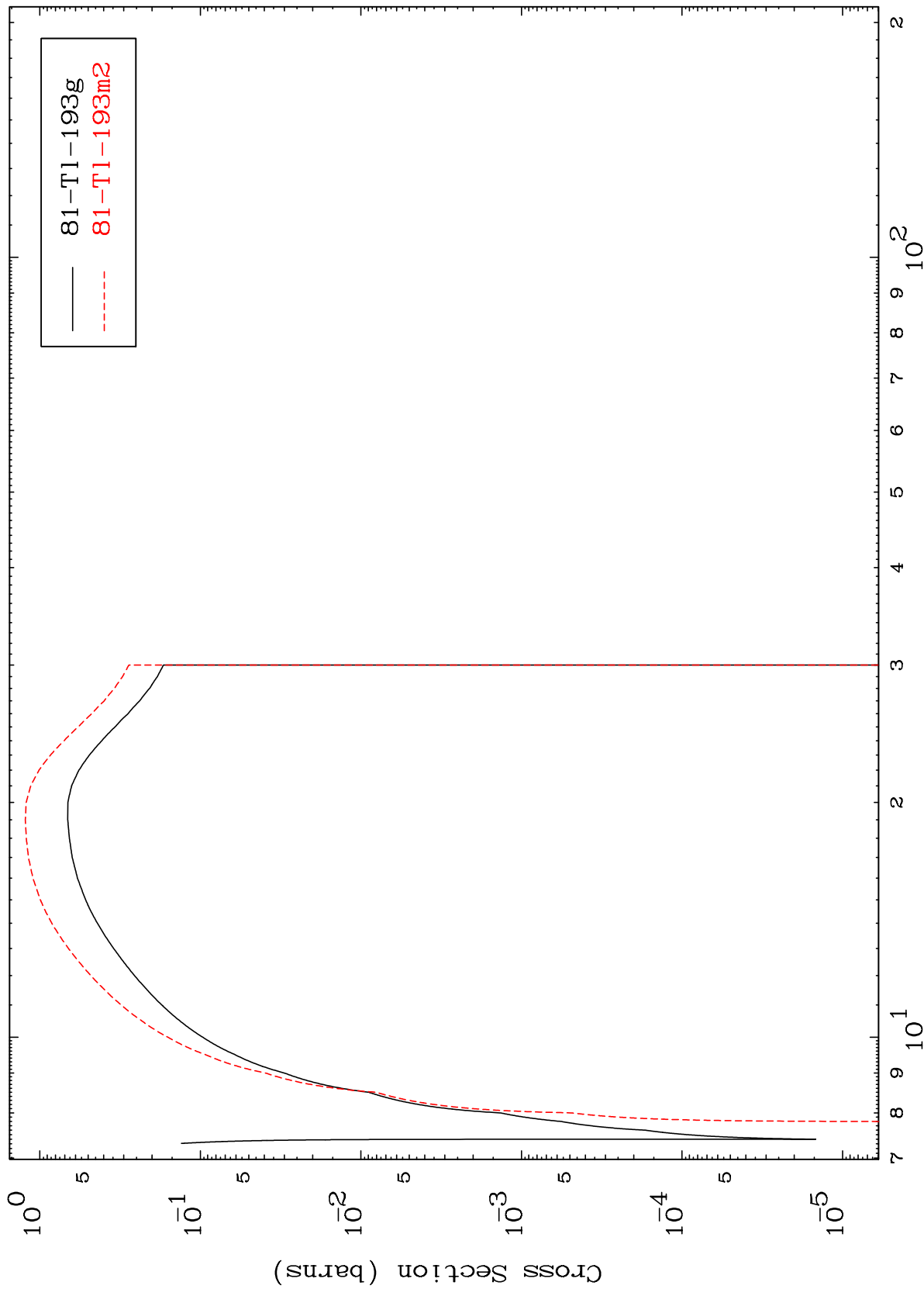
Incident Energy (MeV)

81-TI-194m

MAT 8099

81-Tl-194m

(n,2n)
Radionuclide Production Cross Section



81-Tl-194m

Incident Energy (MeV)

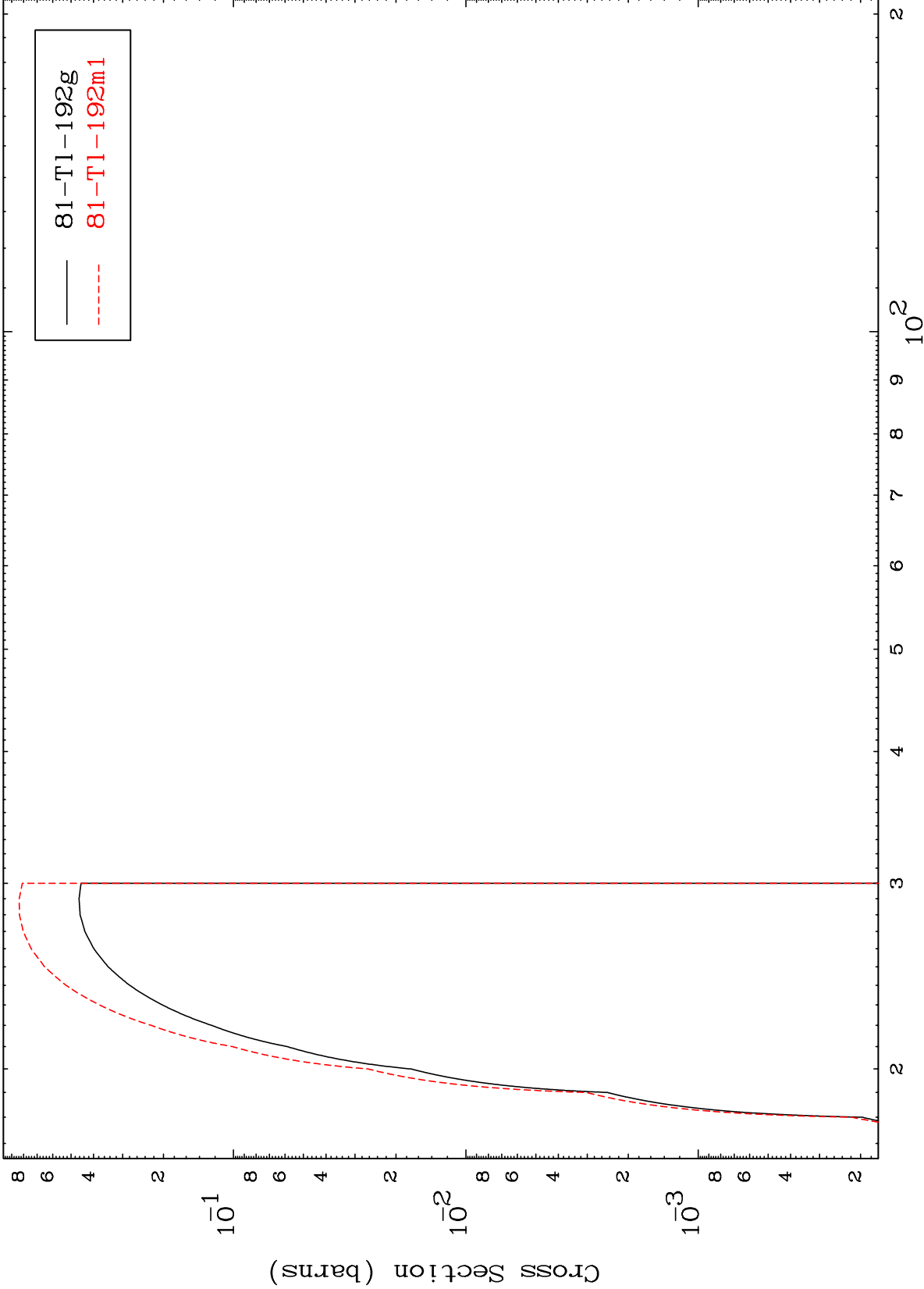
22

MAT 8099

(n,3n)

81-Tl-194m

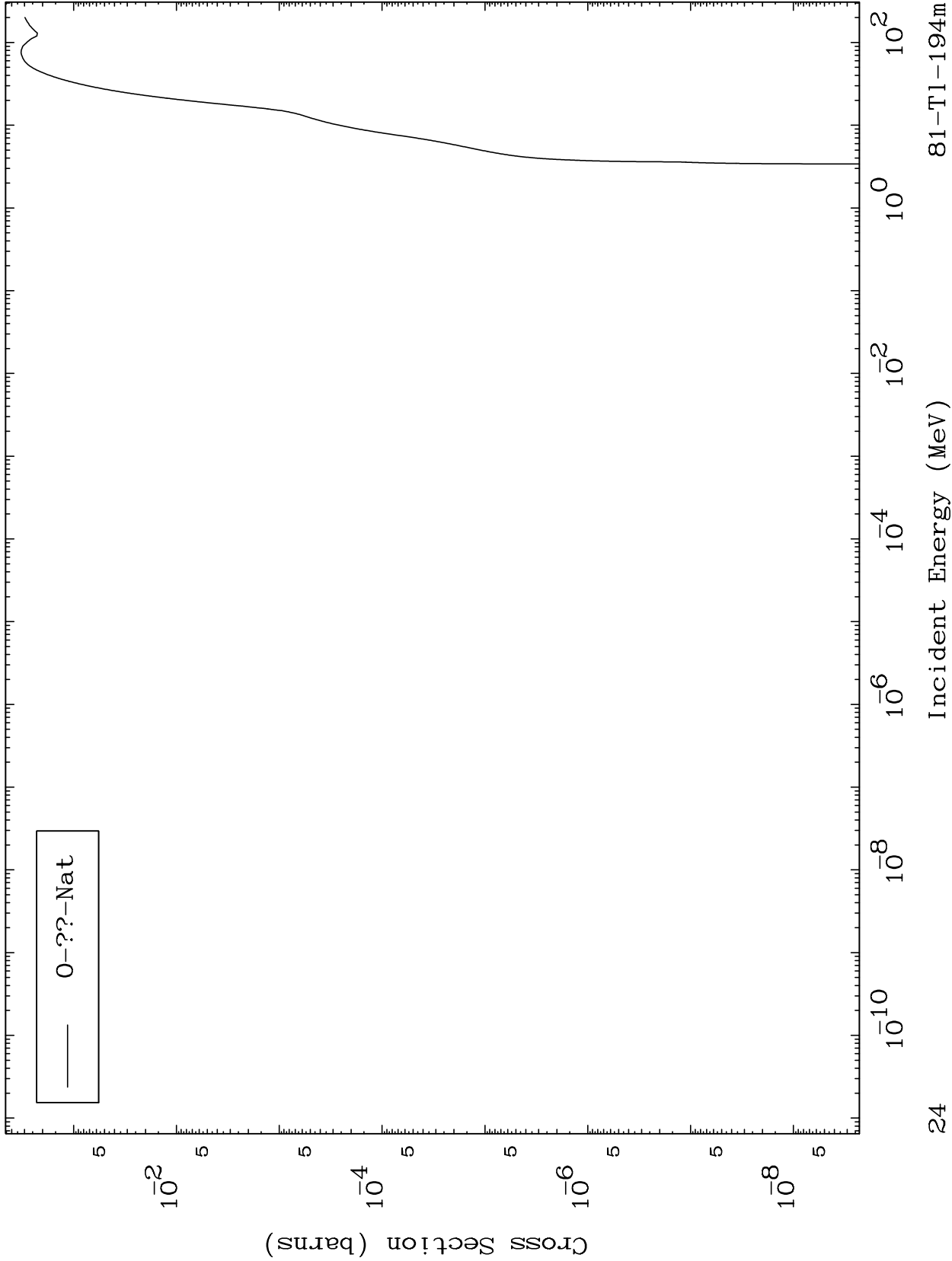
Radionuclide Production Cross Section



MAT 8099

Fission
Radionuclide Production Cross Section

81-Tl-194m



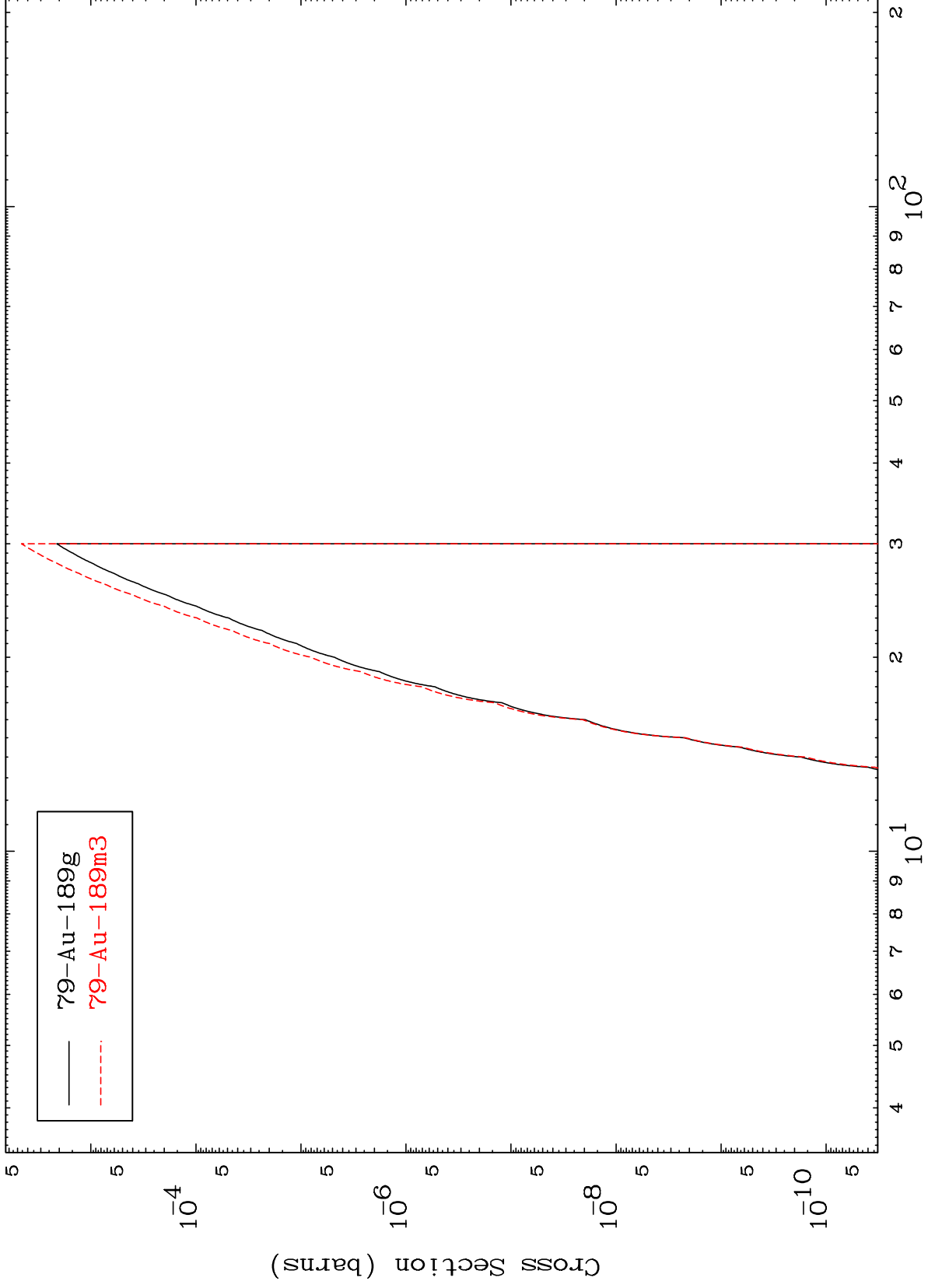
81-Tl-194m

MAT 8099

(n,2n) α

81-TI-194m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

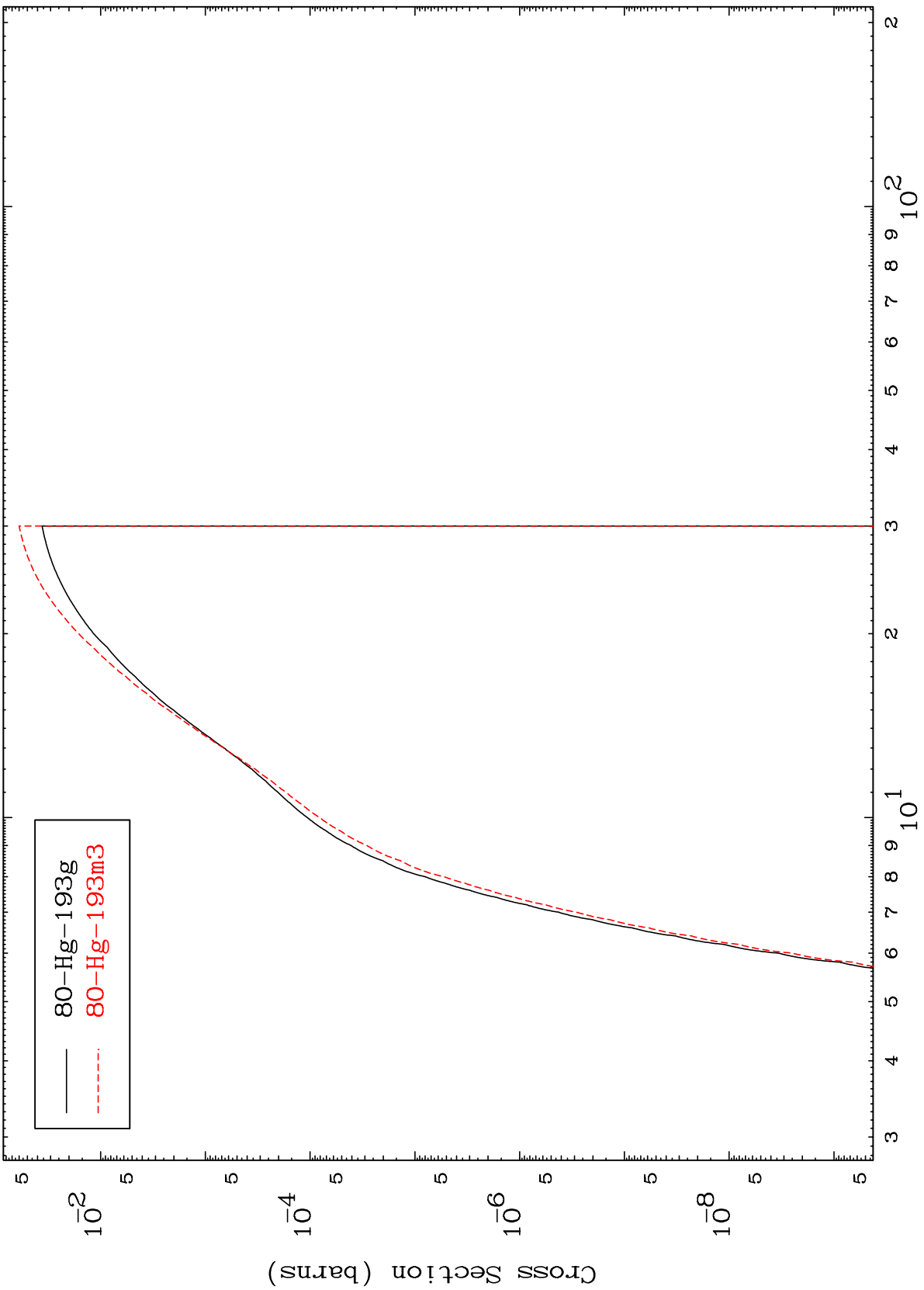
81-TI-194m

MAT 8099

(n,n') p

81-Tl-194m

Radionuclide Production Cross Section



80-Hg-193g
80-Hg-193m3

26

Incident Energy (MeV)

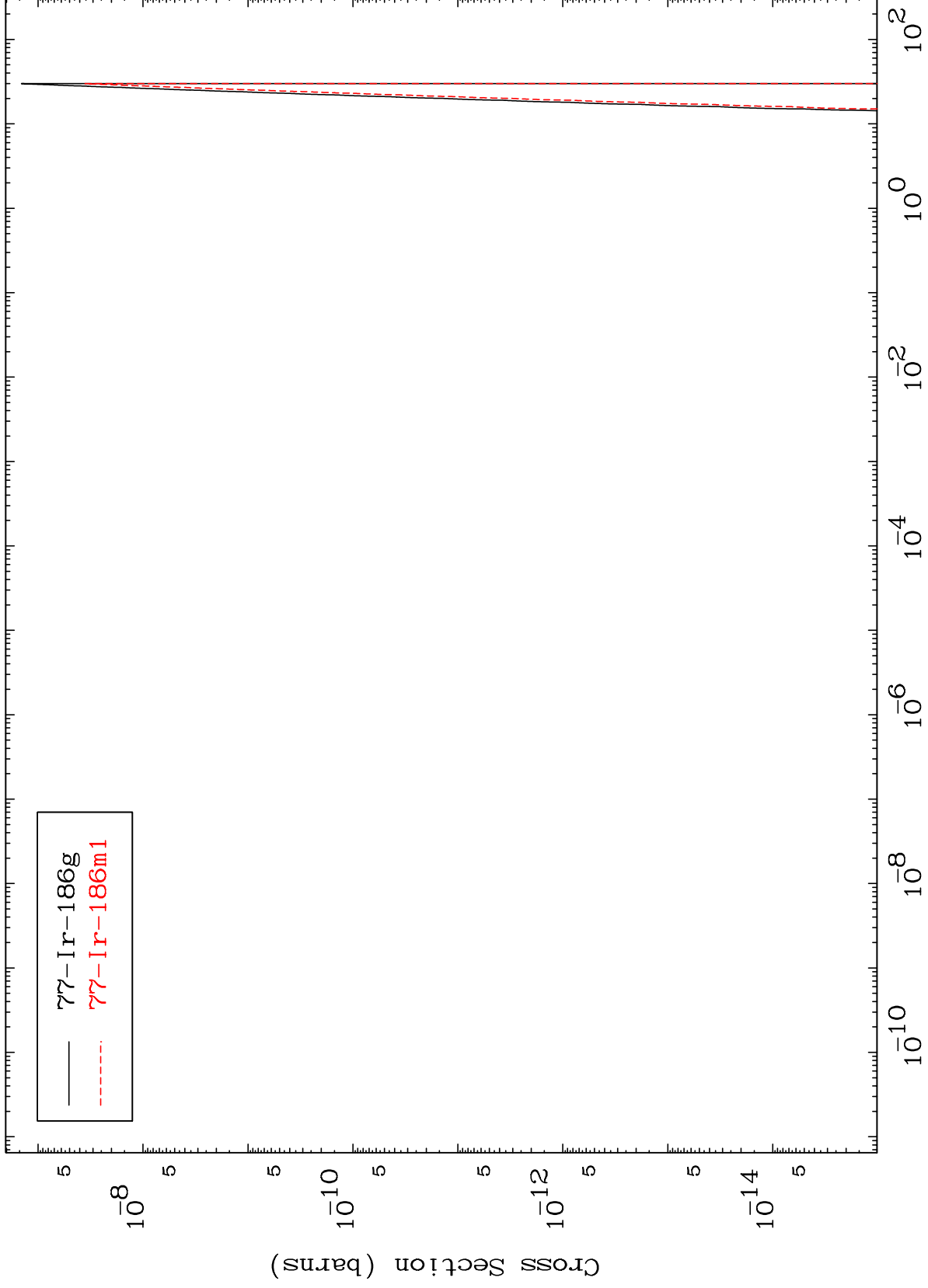
81-Tl-194m

MAT 8099

(n,n') 2 α

81-Tl-194m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

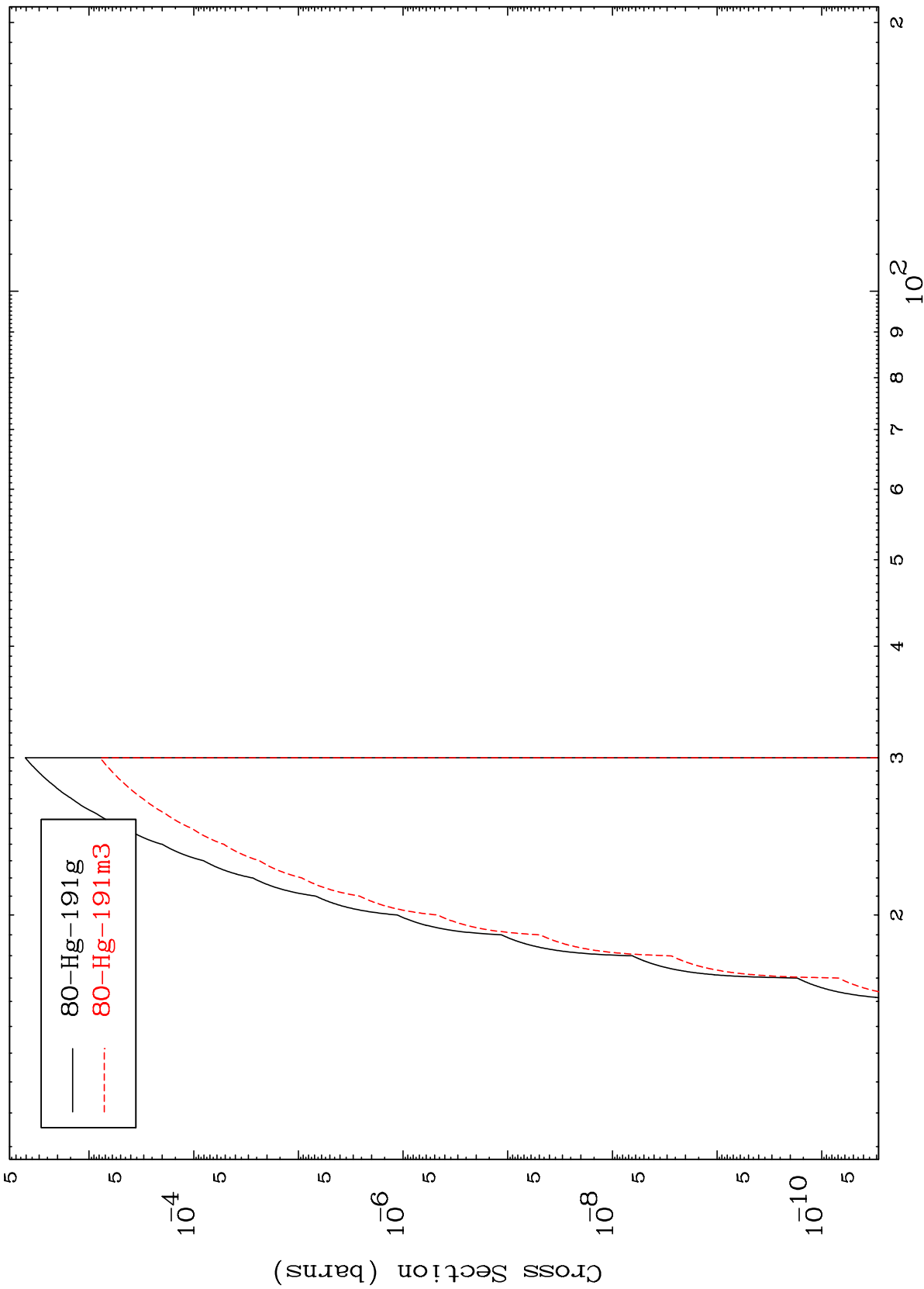
81-Tl-194m

MAT 8099

(n,n') t

81-TI-194m

Radionuclide Production Cross Section



Incident Energy (MeV)

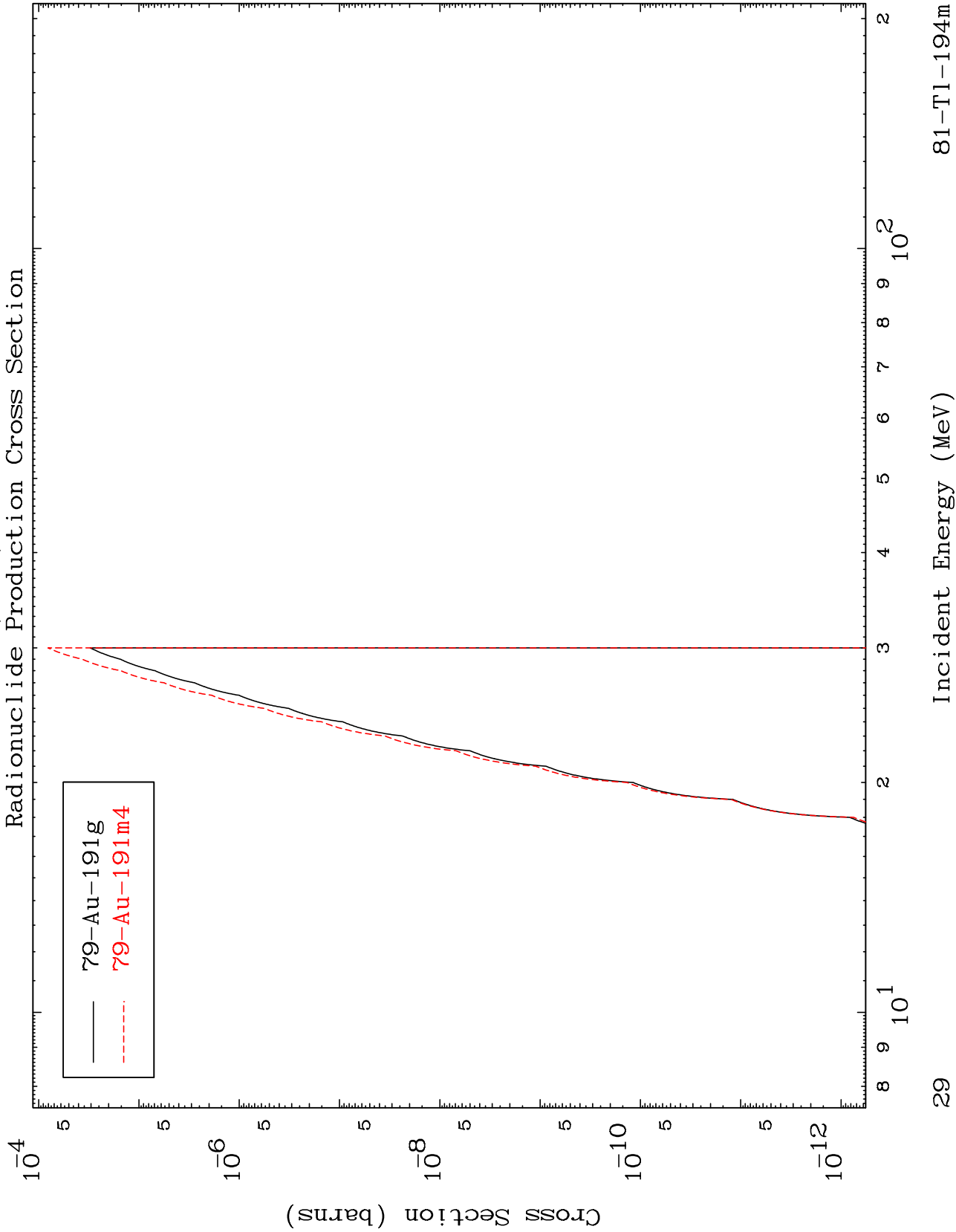
81-TI-194m

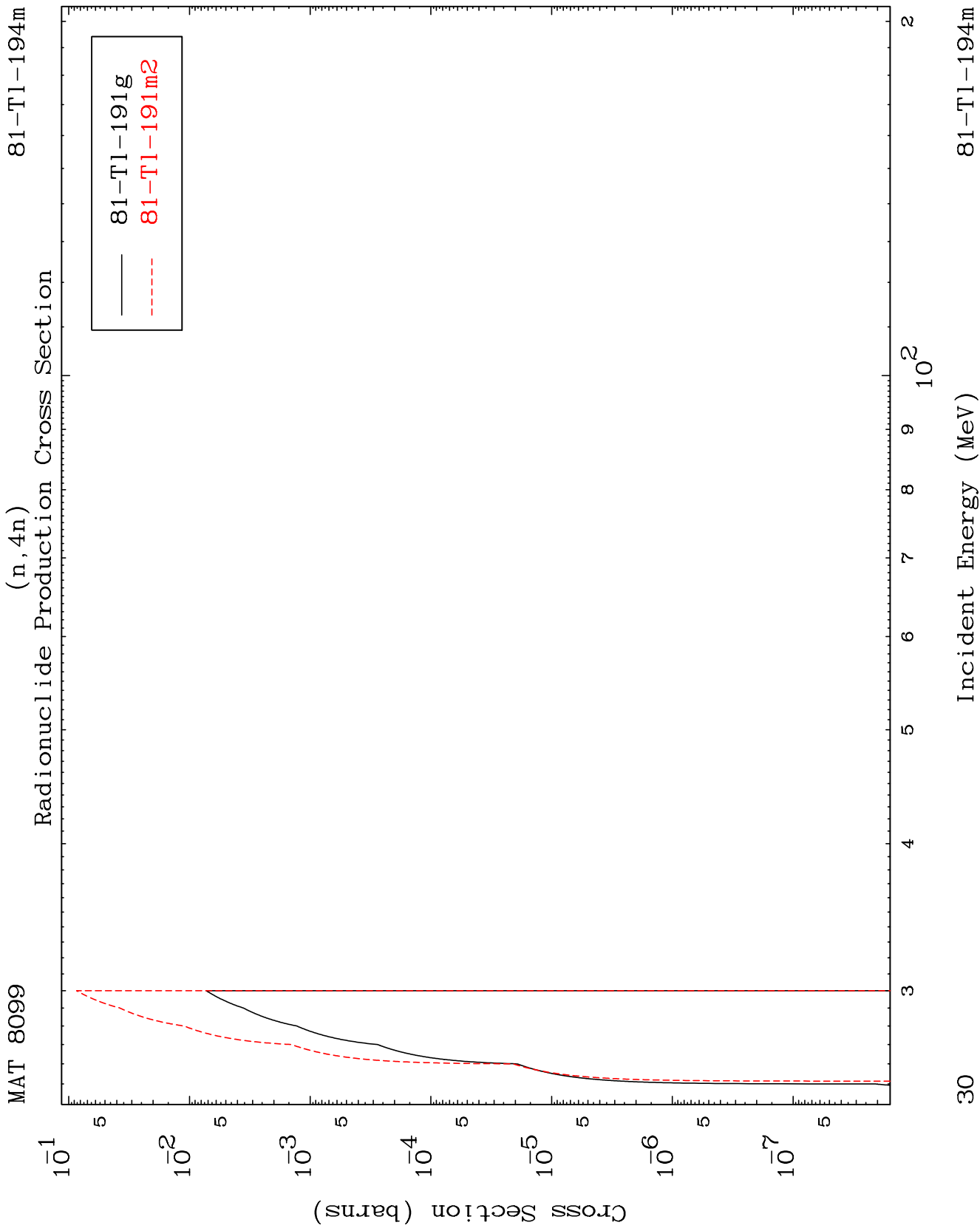
28

MAT 8099

(n,n') He-3

81-Tl-194m



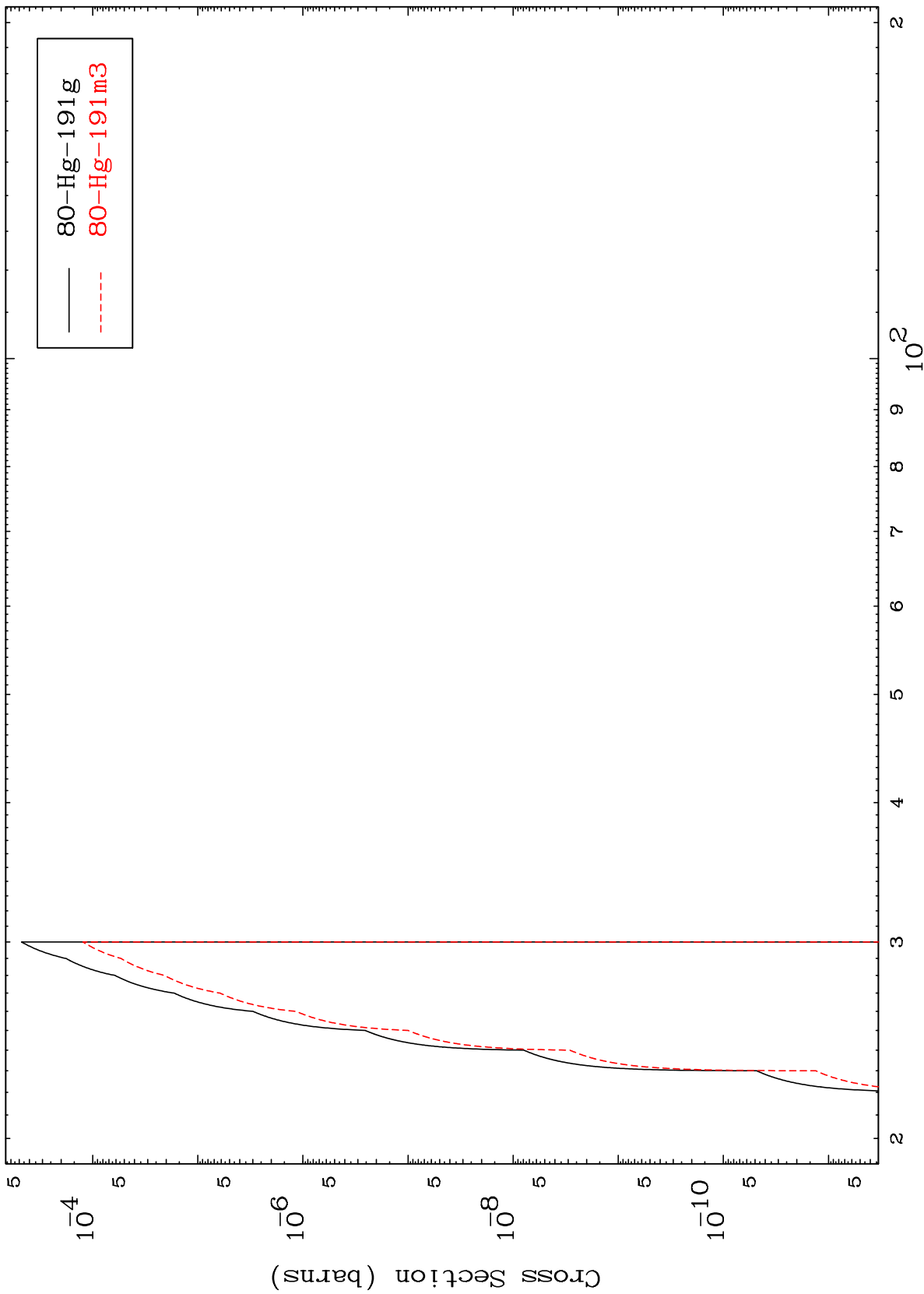


MAT 8099

(n,3n) p

81-TI-194m

Radionuclide Production Cross Section



31

Incident Energy (MeV)

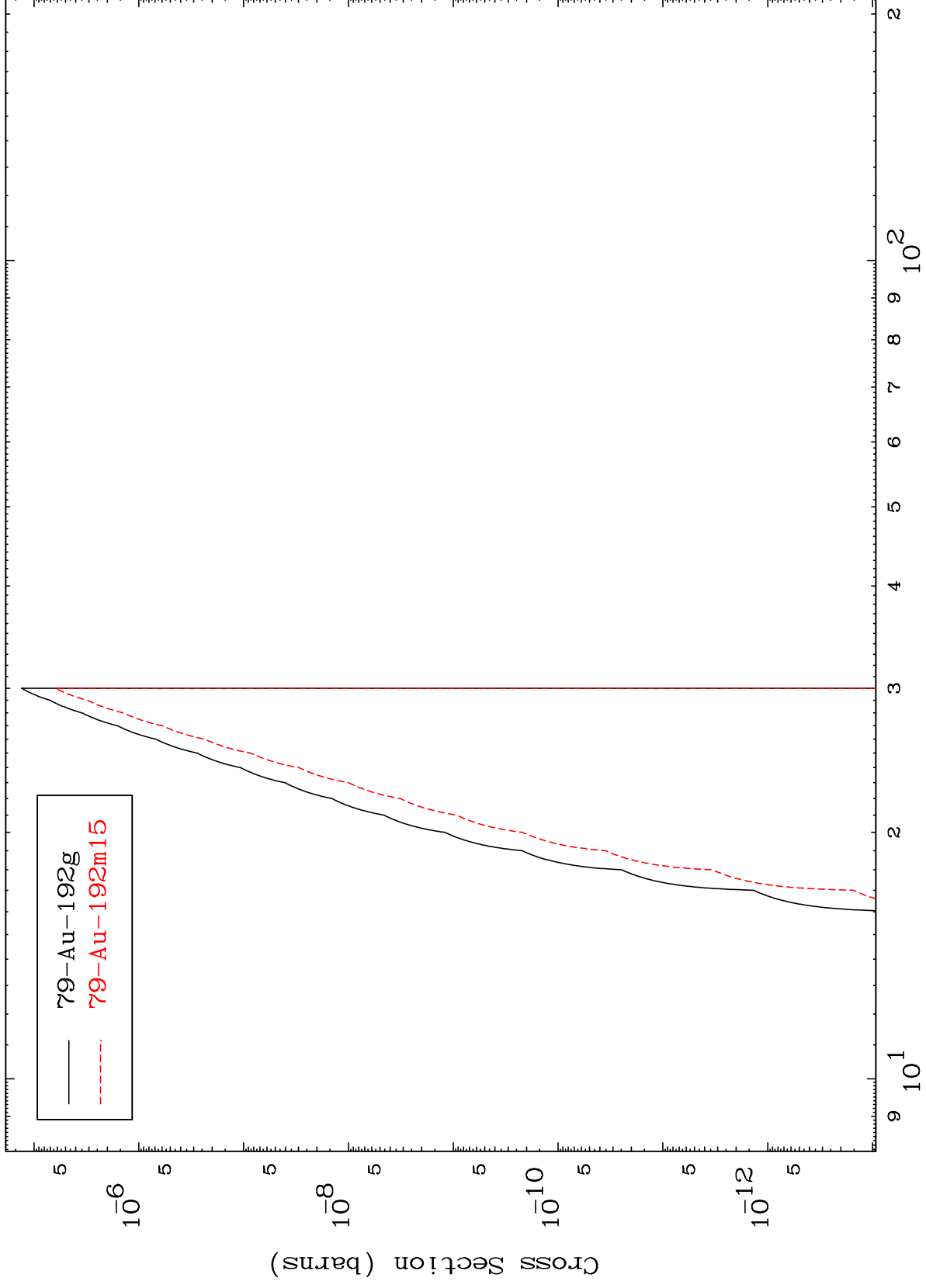
81-TI-194m

MAT 8099

(n,2n) p

81-Tl-194m

Radionuclide Production Cross Section

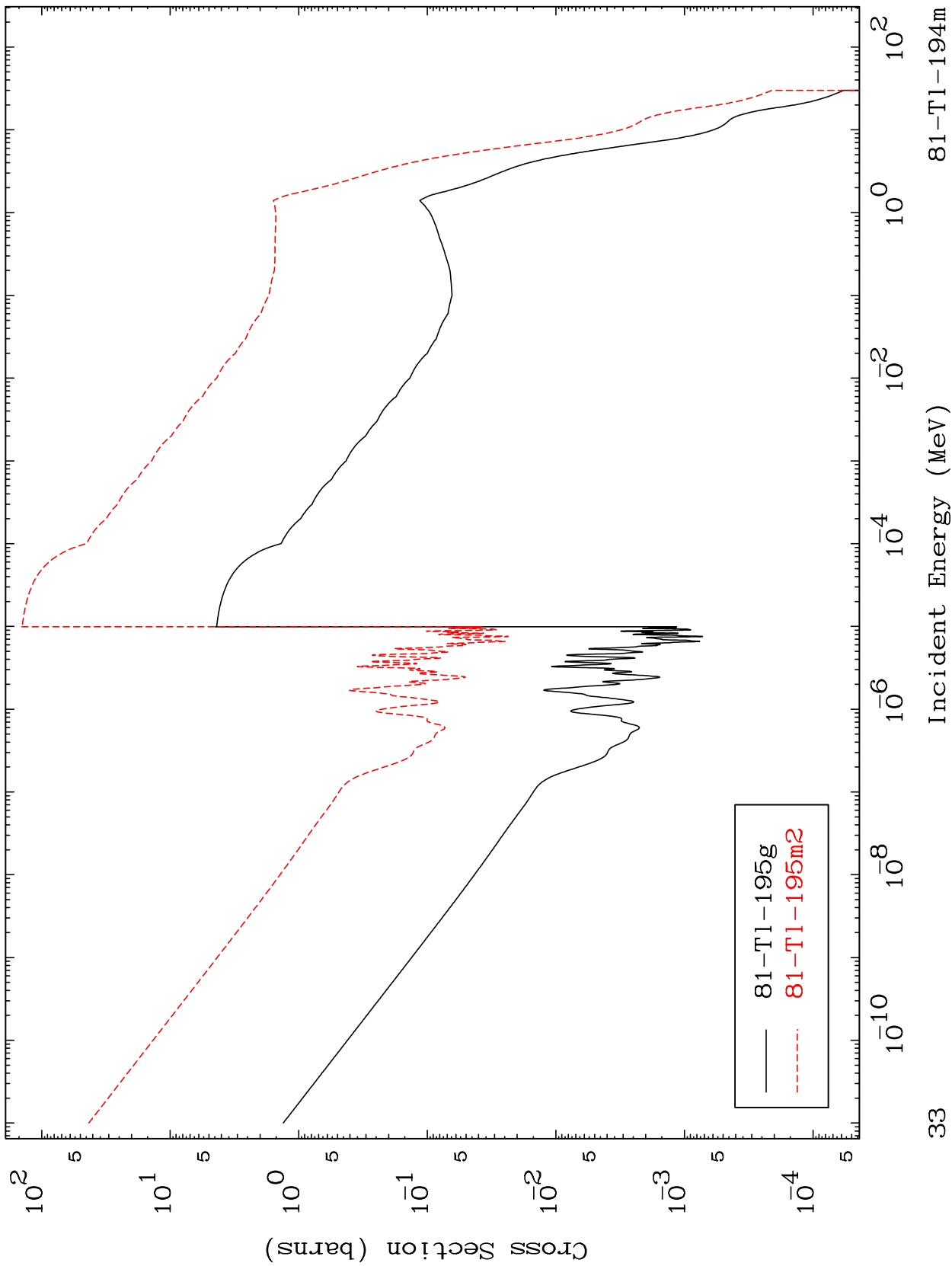


32

Incident Energy (MeV)

81-Tl-194m

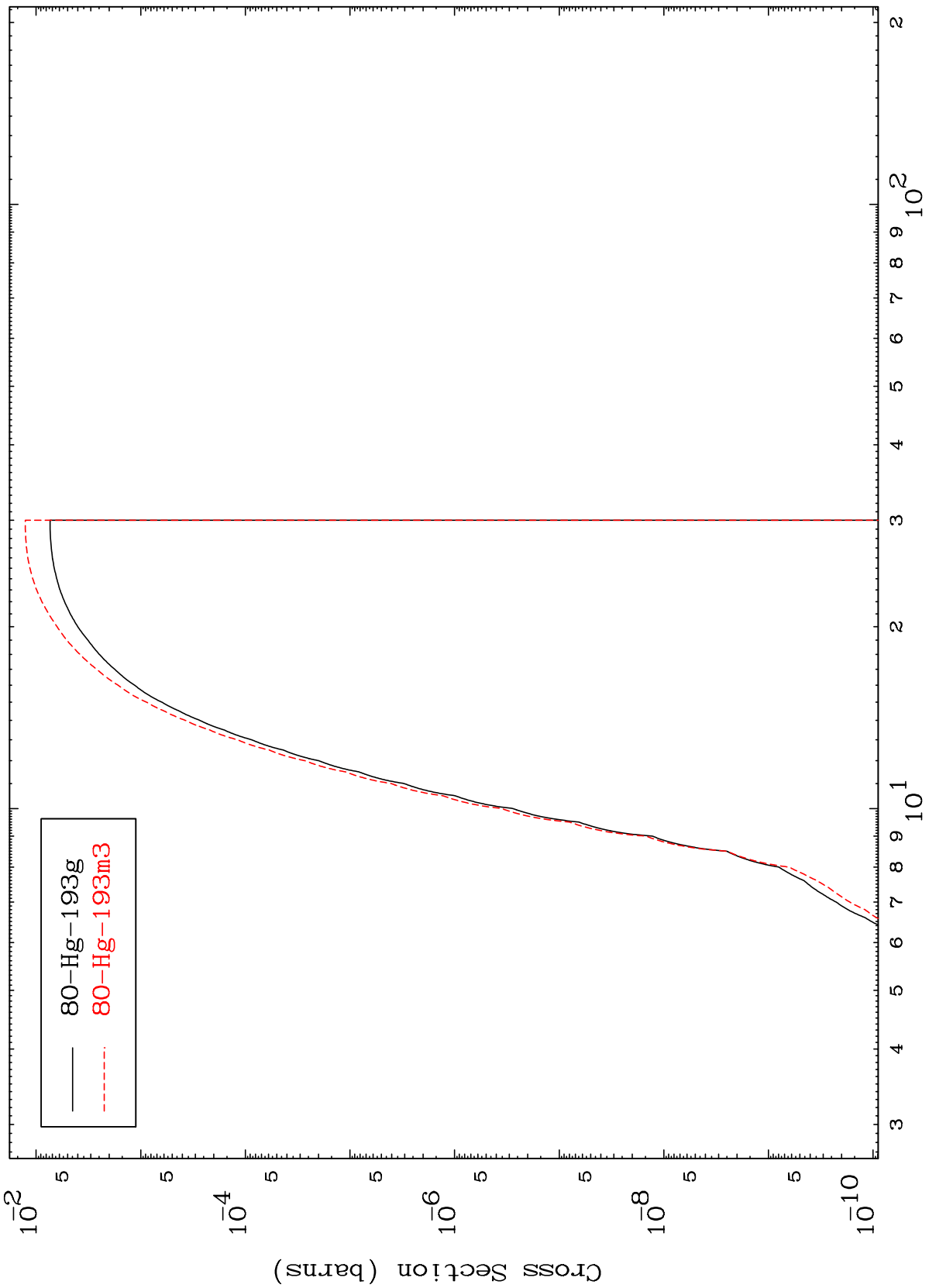
Radionuclide Production Cross Section



MAT 8099

81-Tl-194m

(n,d)
Radionuclide Production Cross Section



— 80-Hg-193g
- - - 80-Hg-193m3

81-Tl-194m

Incident Energy (MeV)

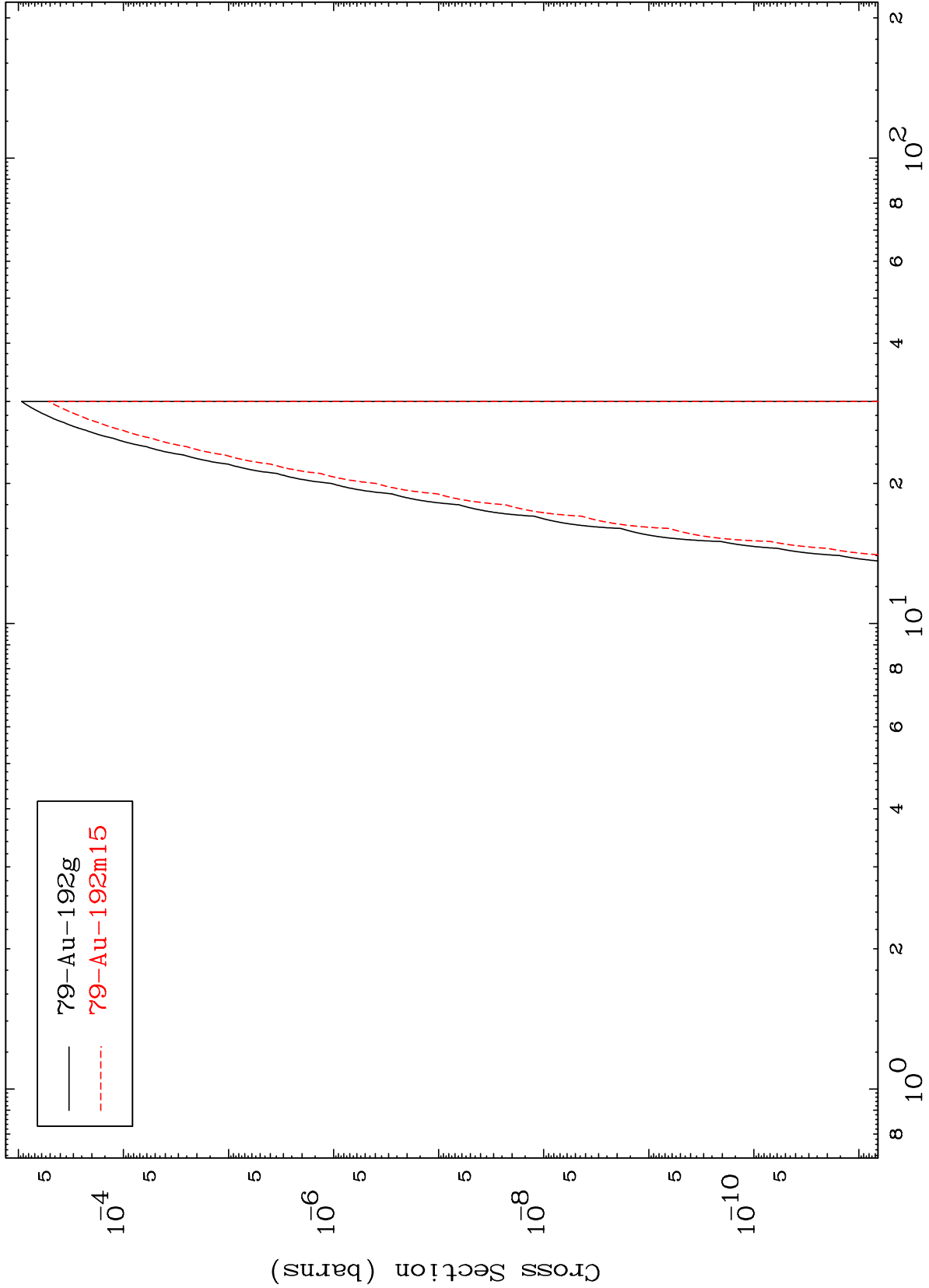
34

MAT 8099

(n,He-3)

81-Tl-194m

Radionuclide Production Cross Section



35

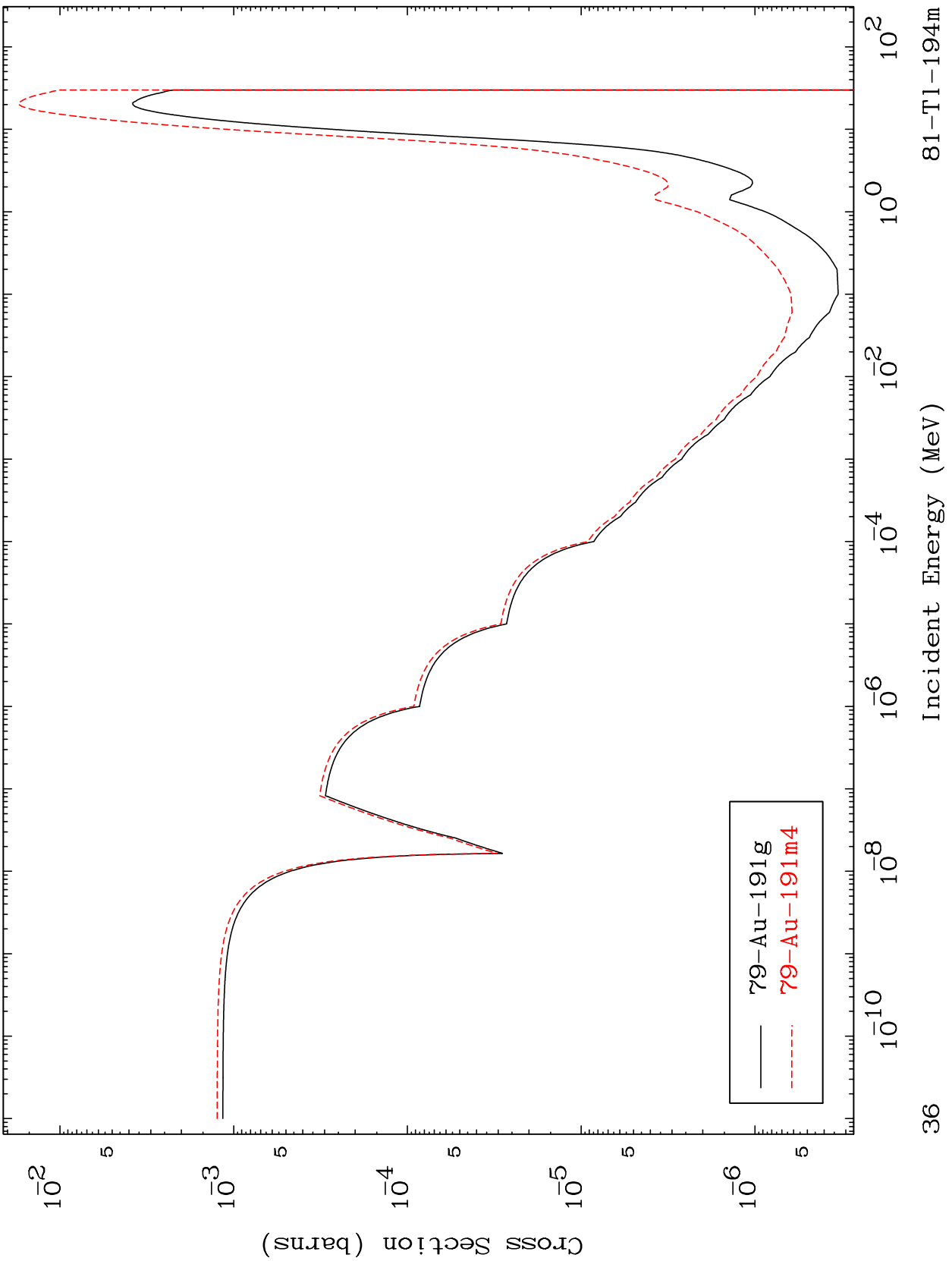
Incident Energy (MeV)

81-Tl-194m

MAT 8099

81-Tl-194m

Radionuclide Production Cross Section

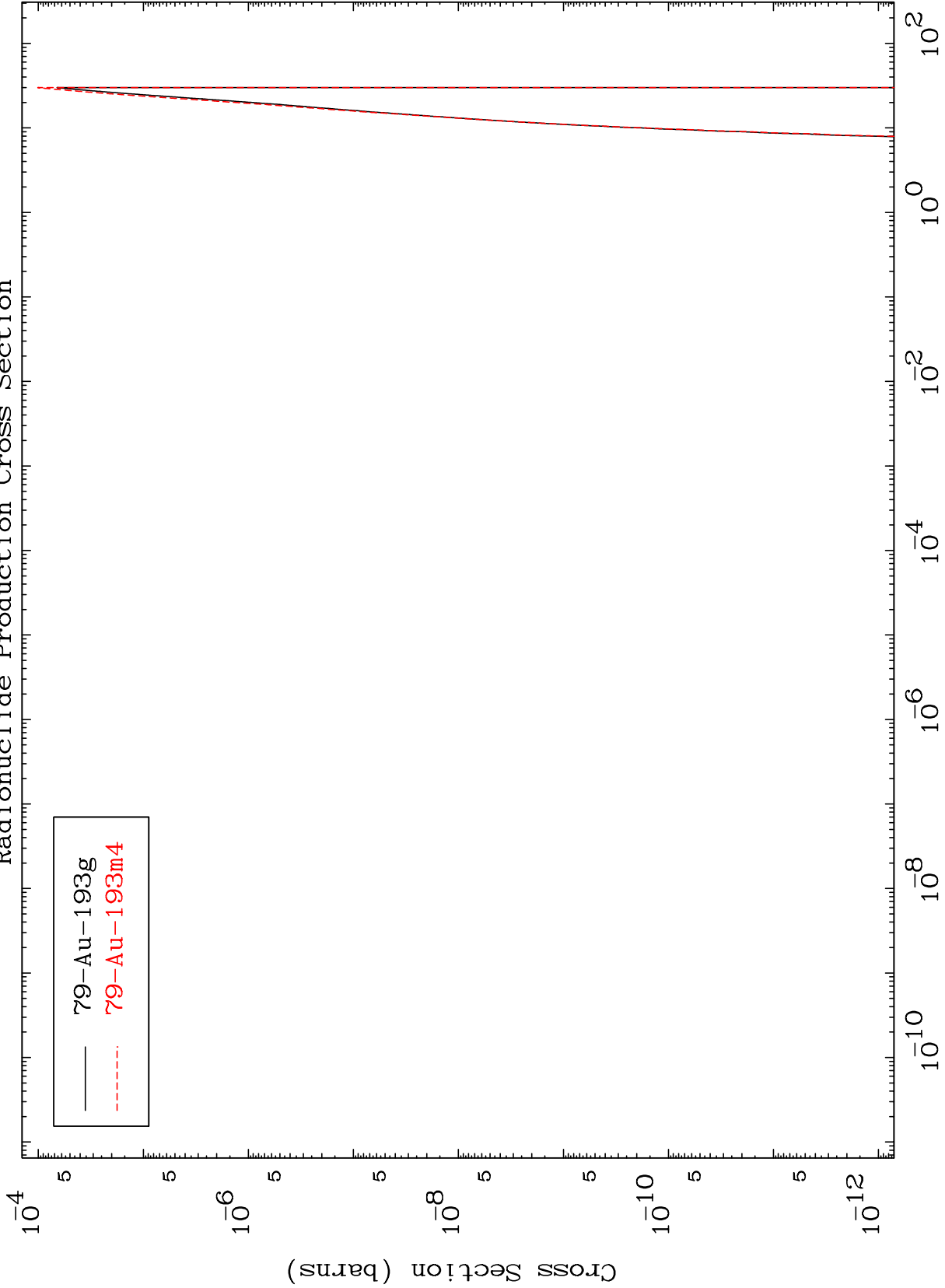


MAT 8099

(n,2p)

81-Tl-194m

Radionuclide Production Cross Section



79-Au-193g
79-Au-193m4

Incident Energy (MeV)

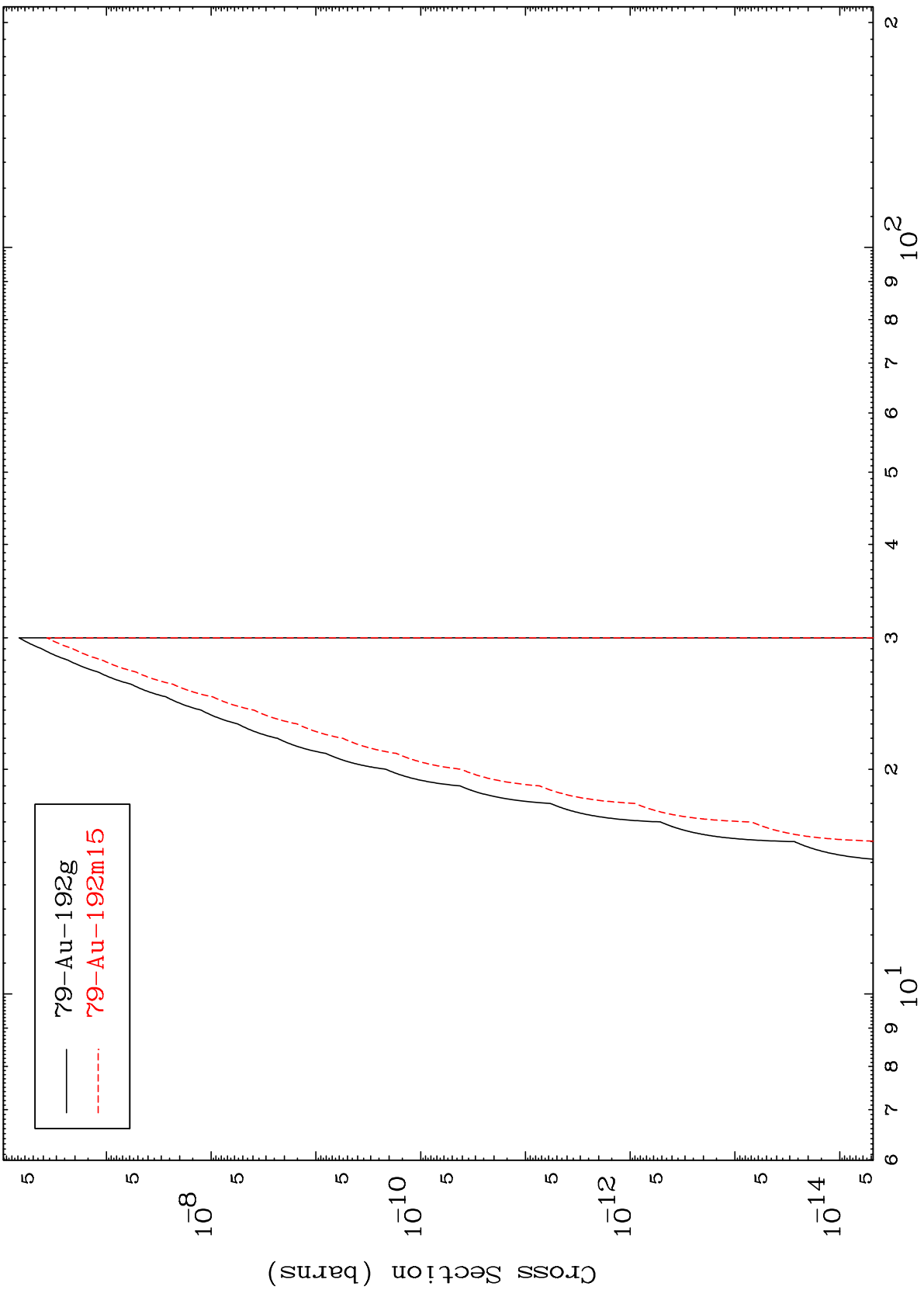
81-Tl-194m

MAT 8099

(n,p) d

81-Tl-194m

Radionuclide Production Cross Section



— $^{79}\text{Au-192g}$
- - - $^{79}\text{Au-192m15}$

38

Incident Energy (MeV)

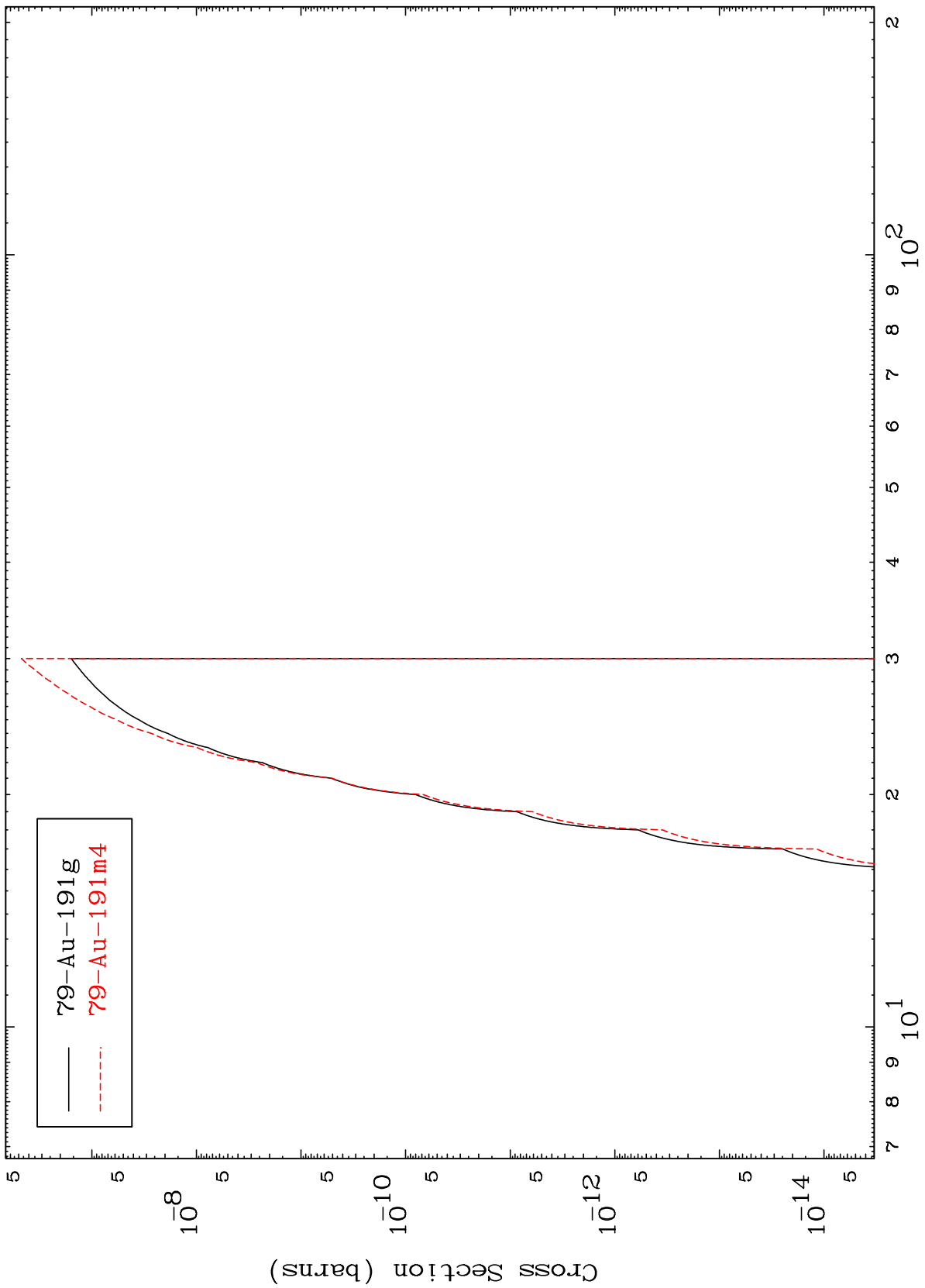
81-Tl-194m

MAT 8099

(n,p) t

81-TI-194m

Radionuclide Production Cross Section



79-Au-191g
79-Au-191m4

39

Incident Energy (MeV)

81-TI-194m