

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

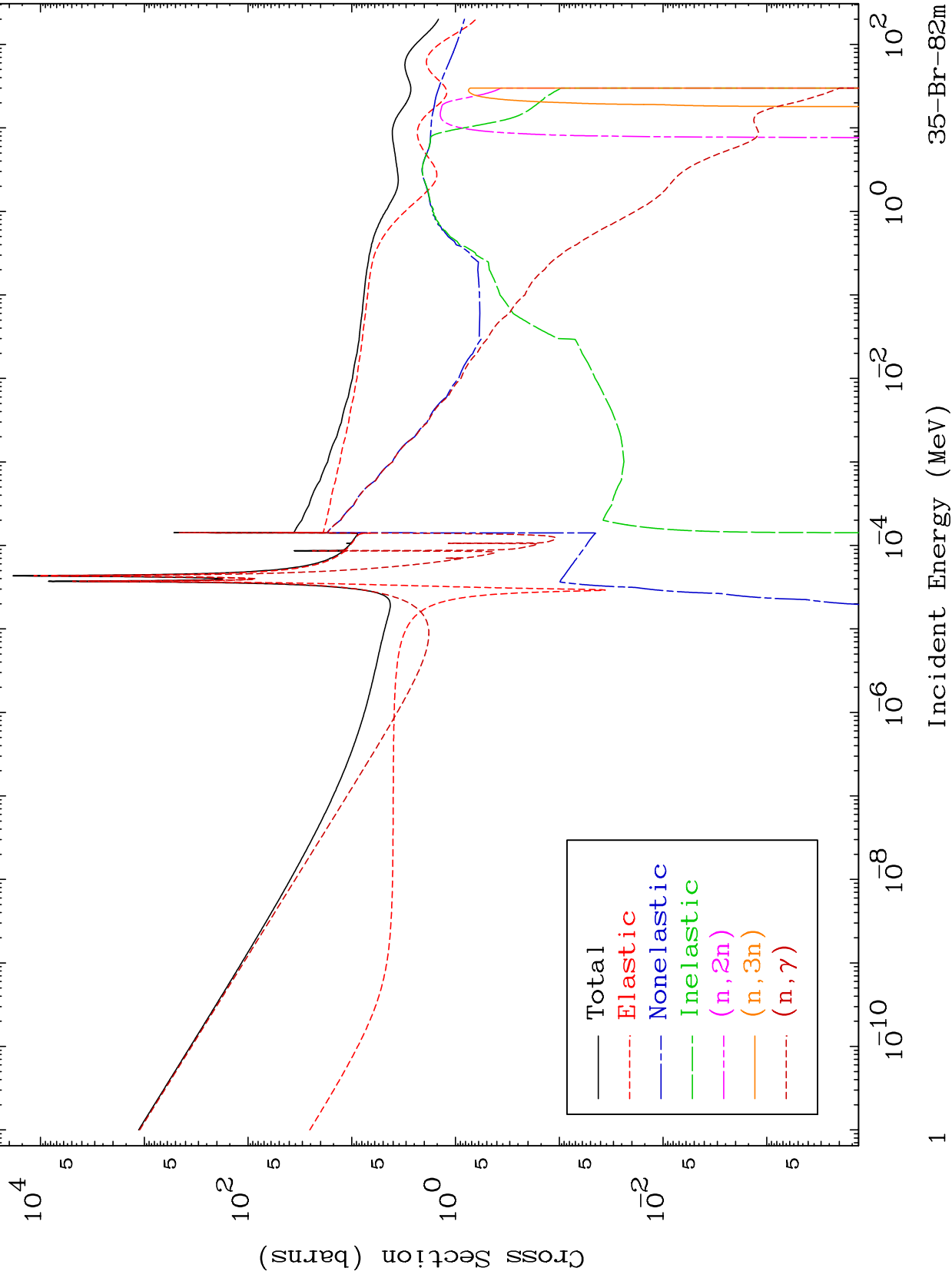
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3535

Neutron Major
293 Kelvin Cross Sections

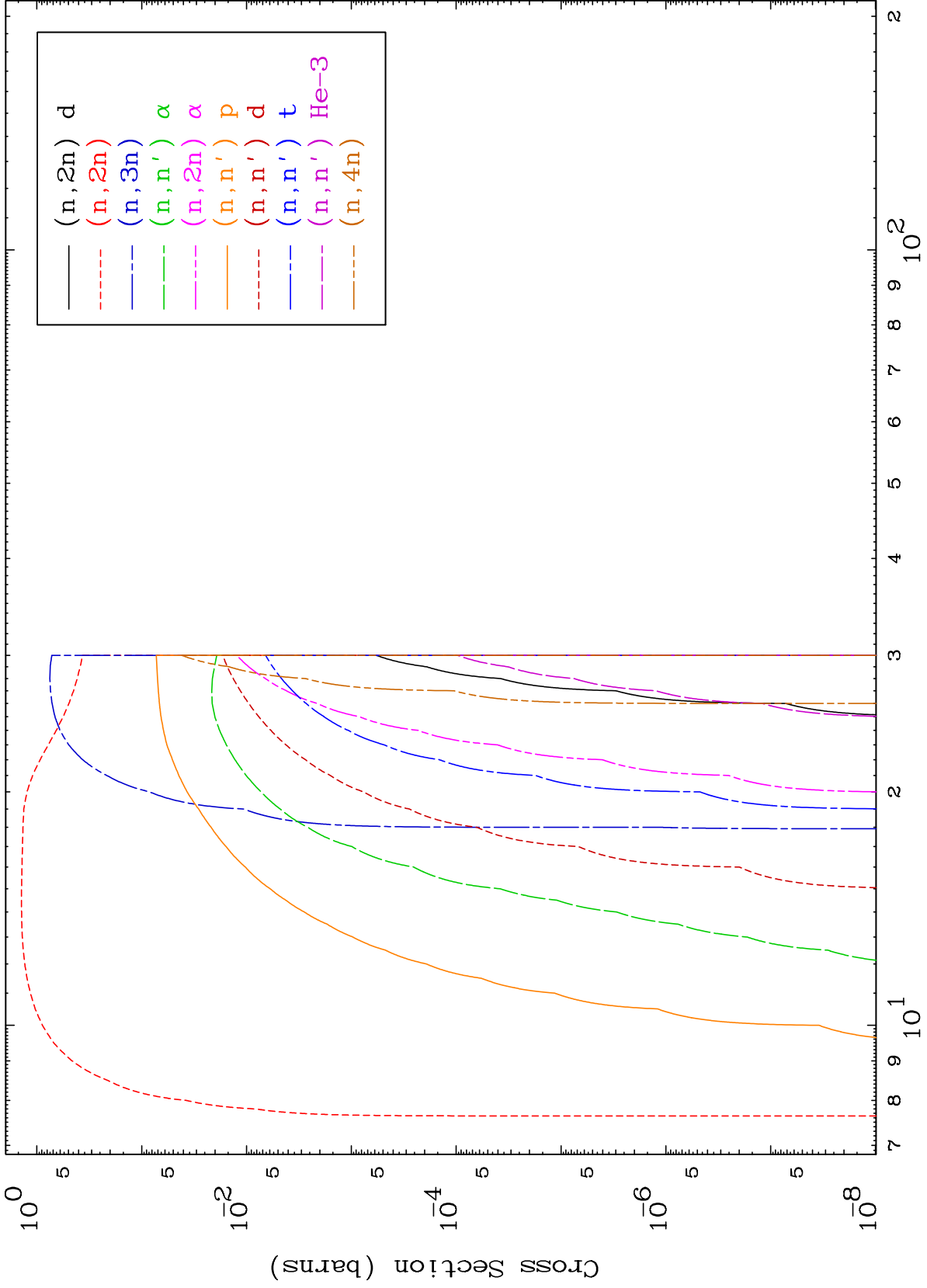
35-Br-82m



MAT 3535

Neutron Absorption
293 Kelvin Cross Sections

35-Br-82m



Incident Energy (MeV)

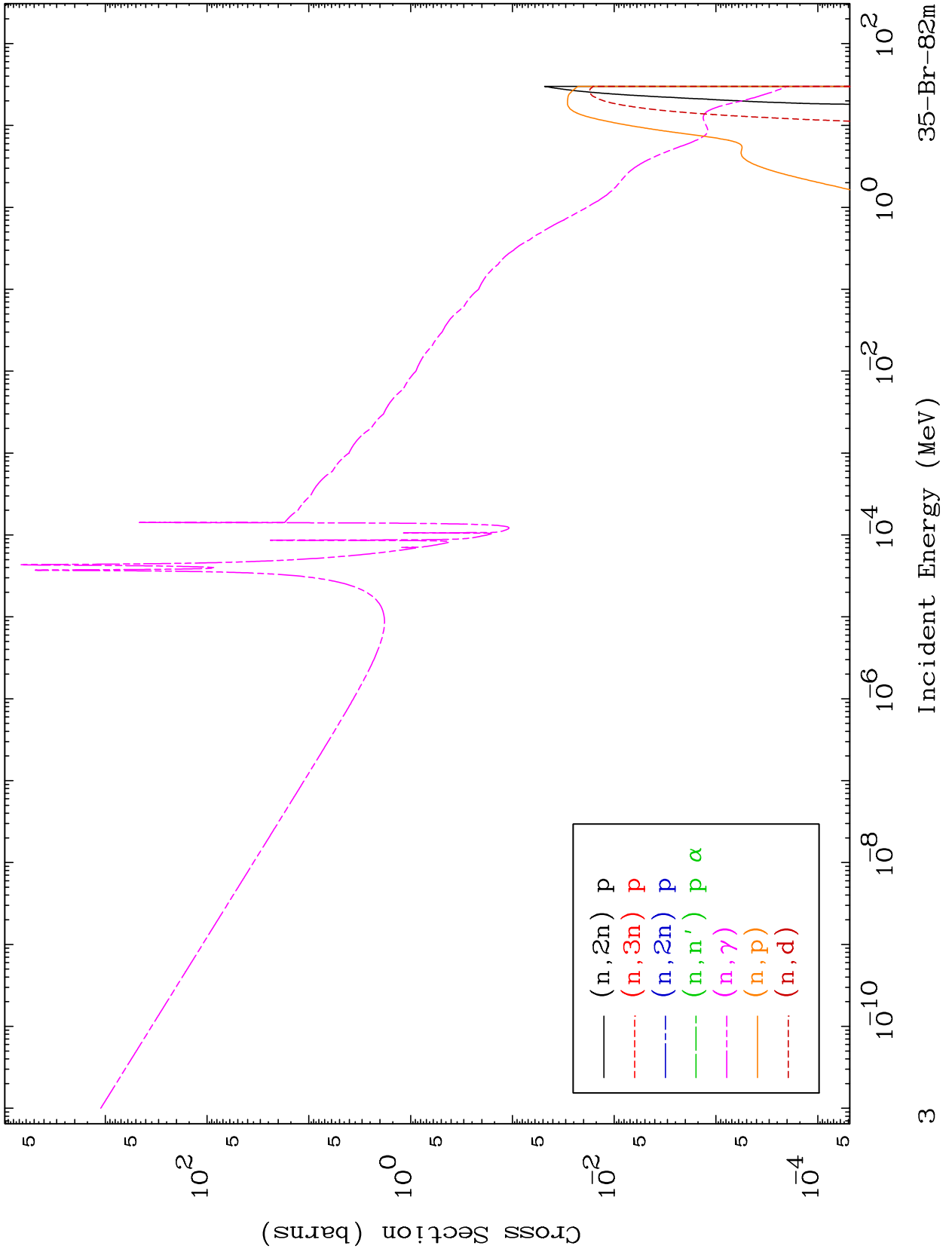
35-Br-82m

2

MAT 3535

Neutron Absorption
293 Kelvin Cross Sections

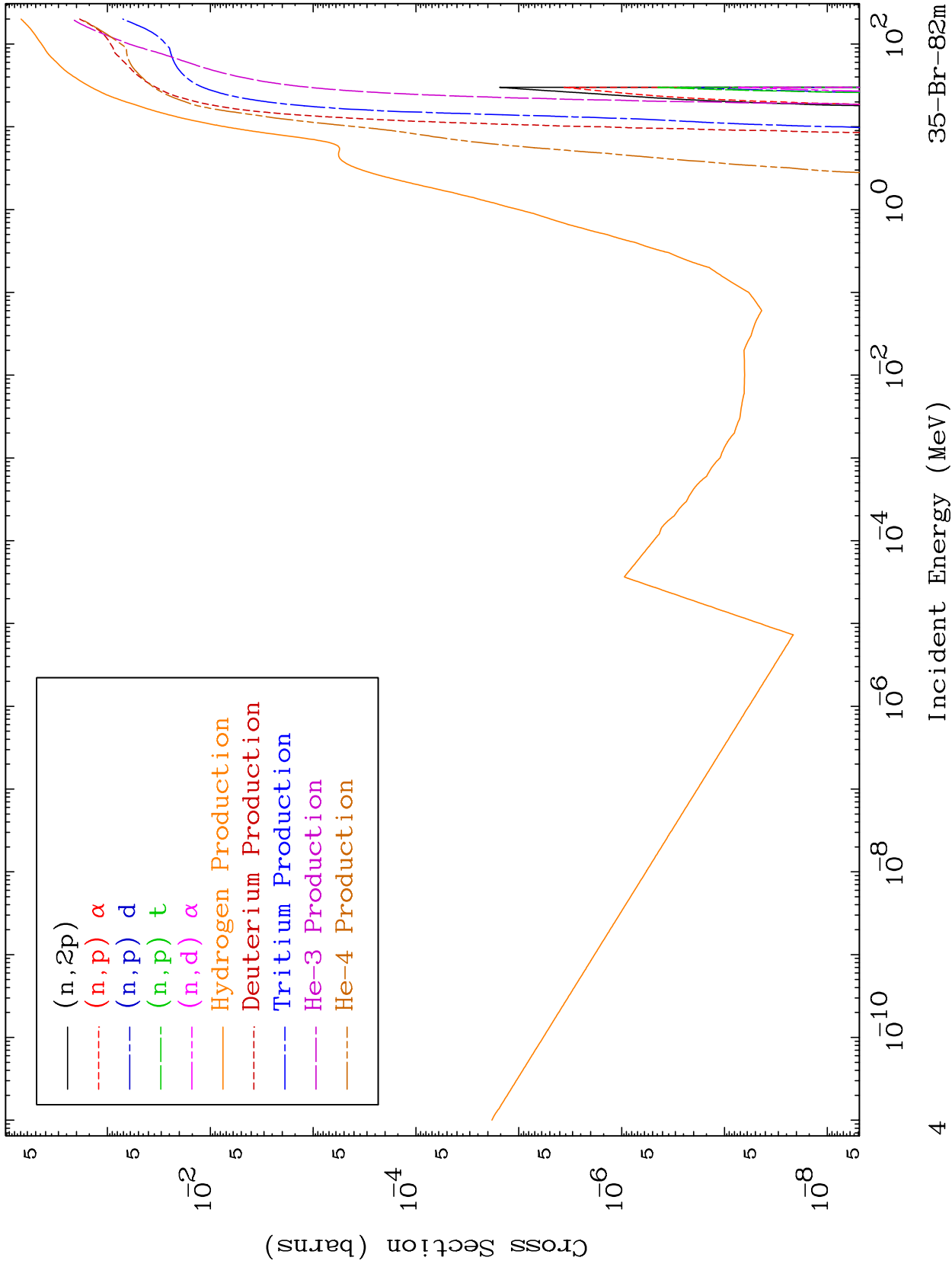
35-Br-82m



MAT 3535

Neutron Absorption
293 Kelvin Cross Sections

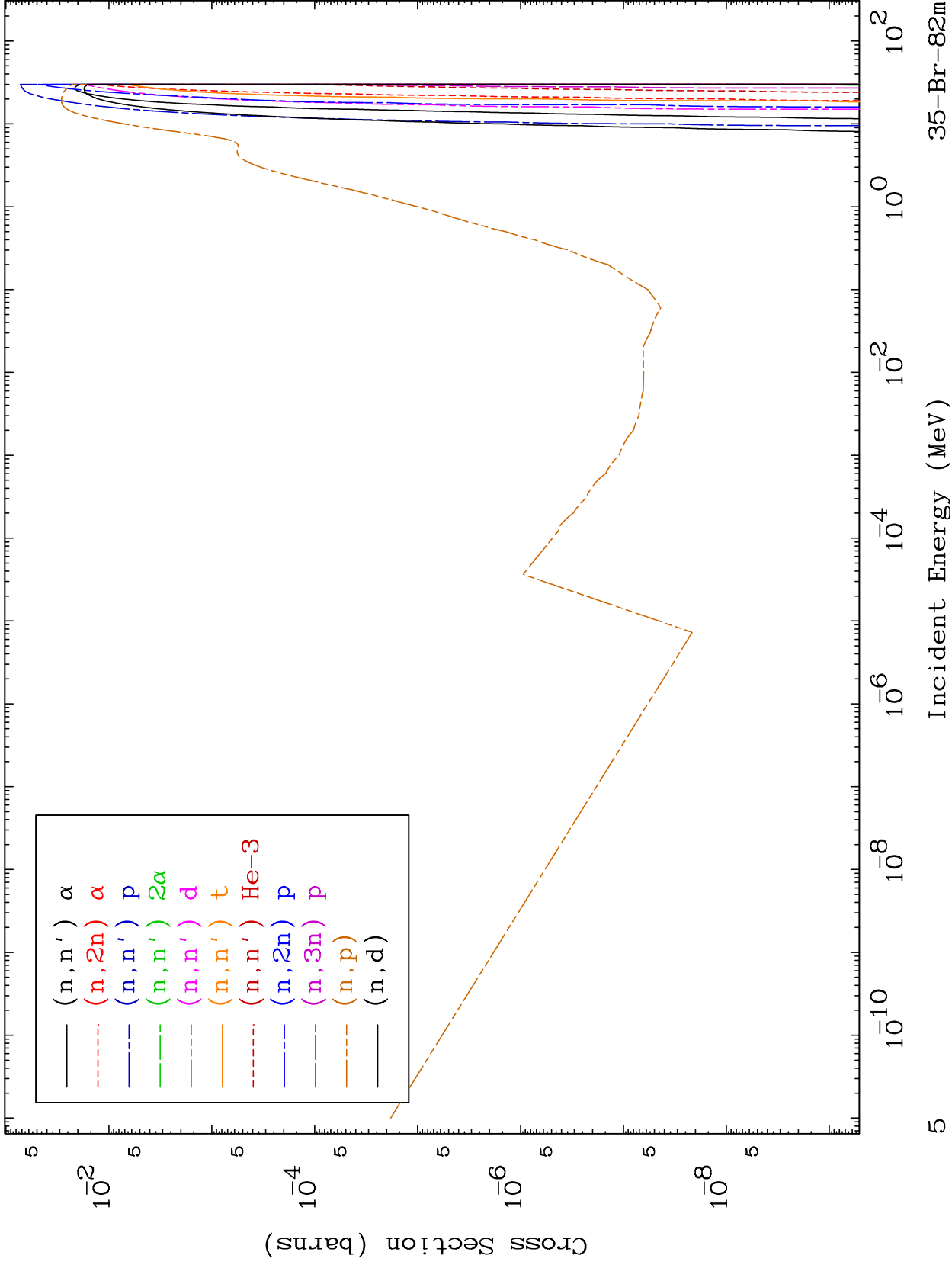
35-Br-82m



MAT 3535

Charged Particle
293 Kelvin Cross Sections

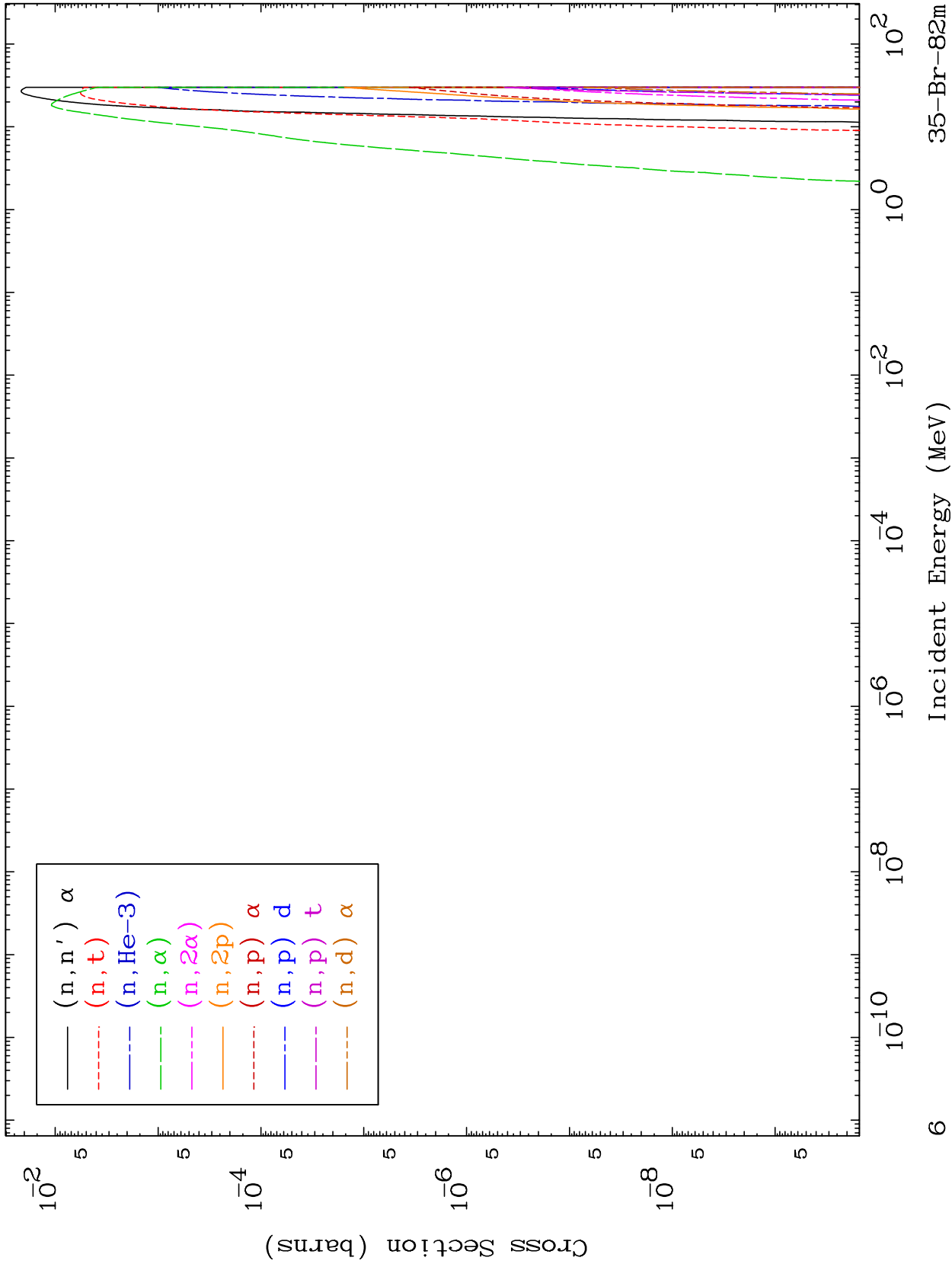
35-Br-82m



MAT 3535

Charged Particle
293 Kelvin Cross Sections

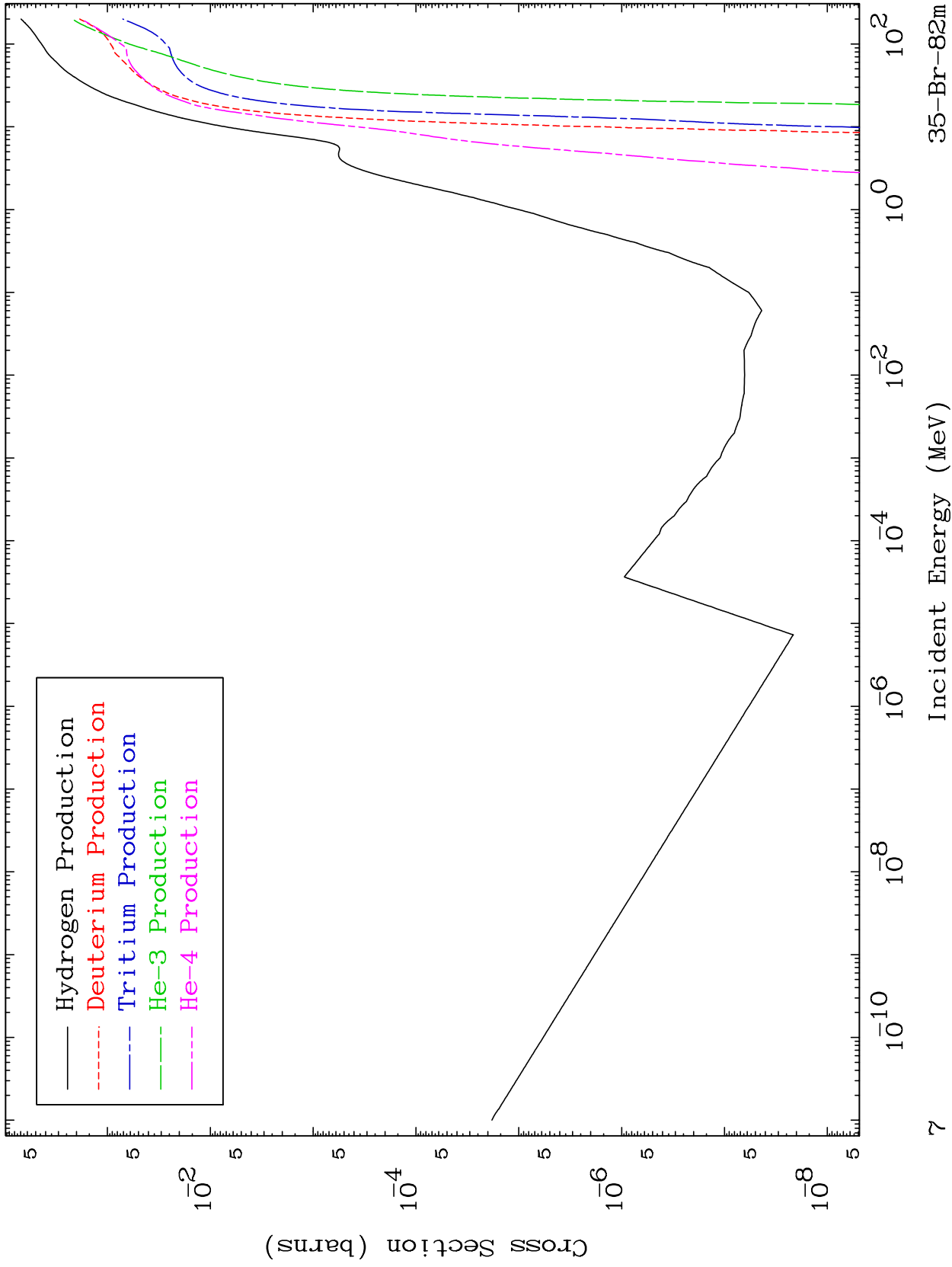
35-Br-82m



MAT 3535

Particle Production
293 Kelvin Cross Sections

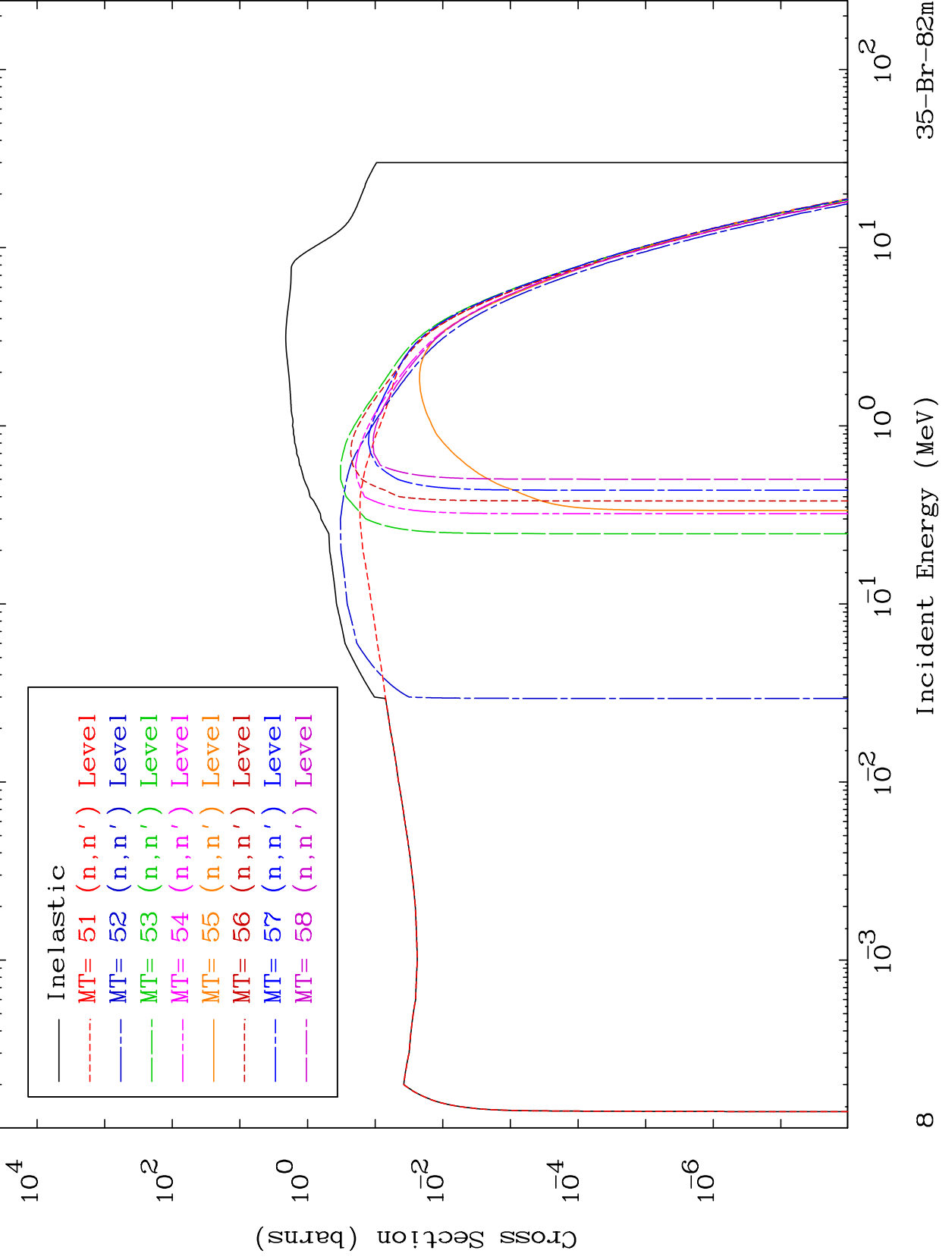
35-Br-82m



MAT 3535

(n,n') Levels
293 Kelvin Cross Sections

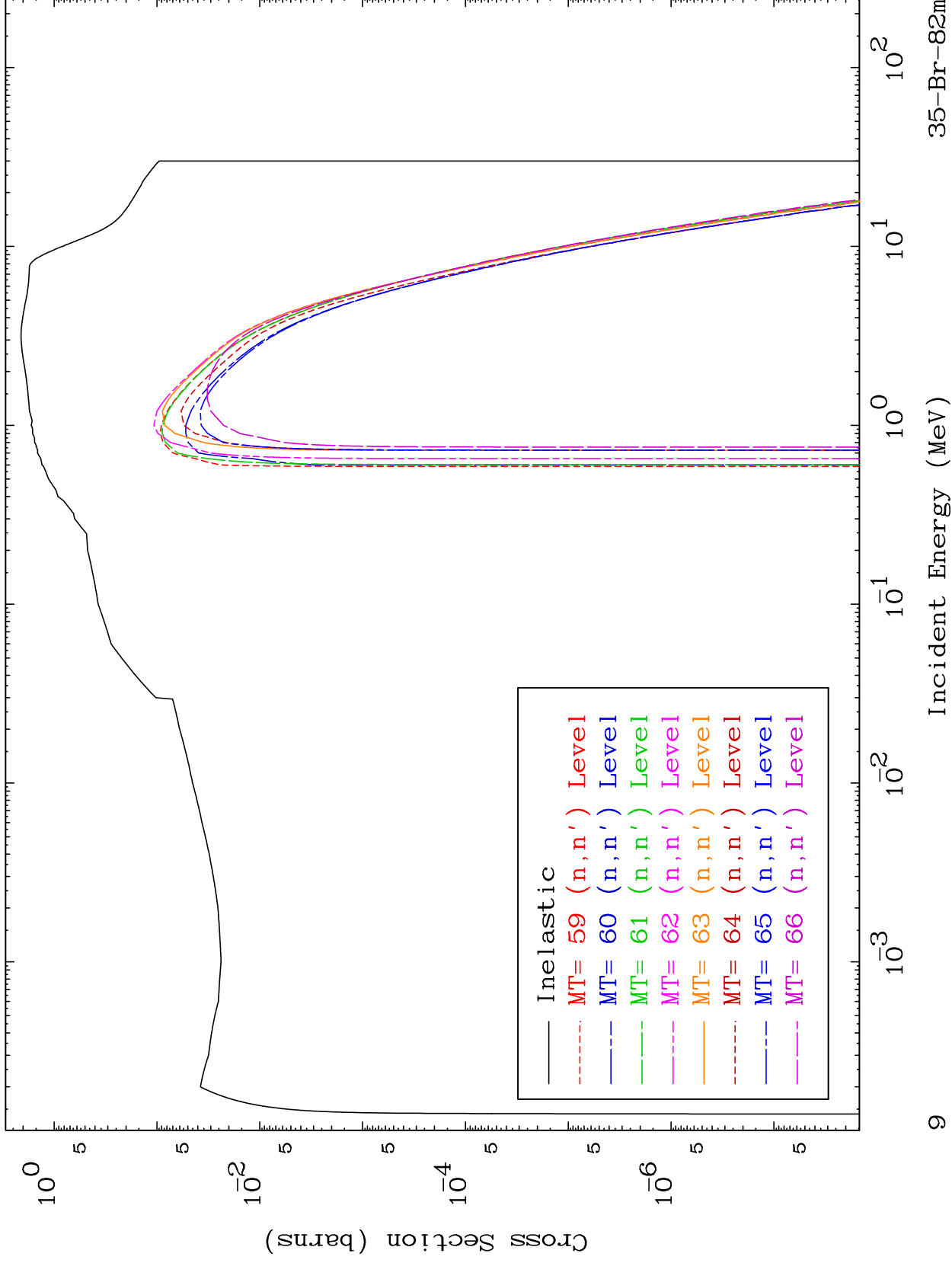
35-Br-82m



MAT 3535

(n,n') Levels
293 Kelvin Cross Sections

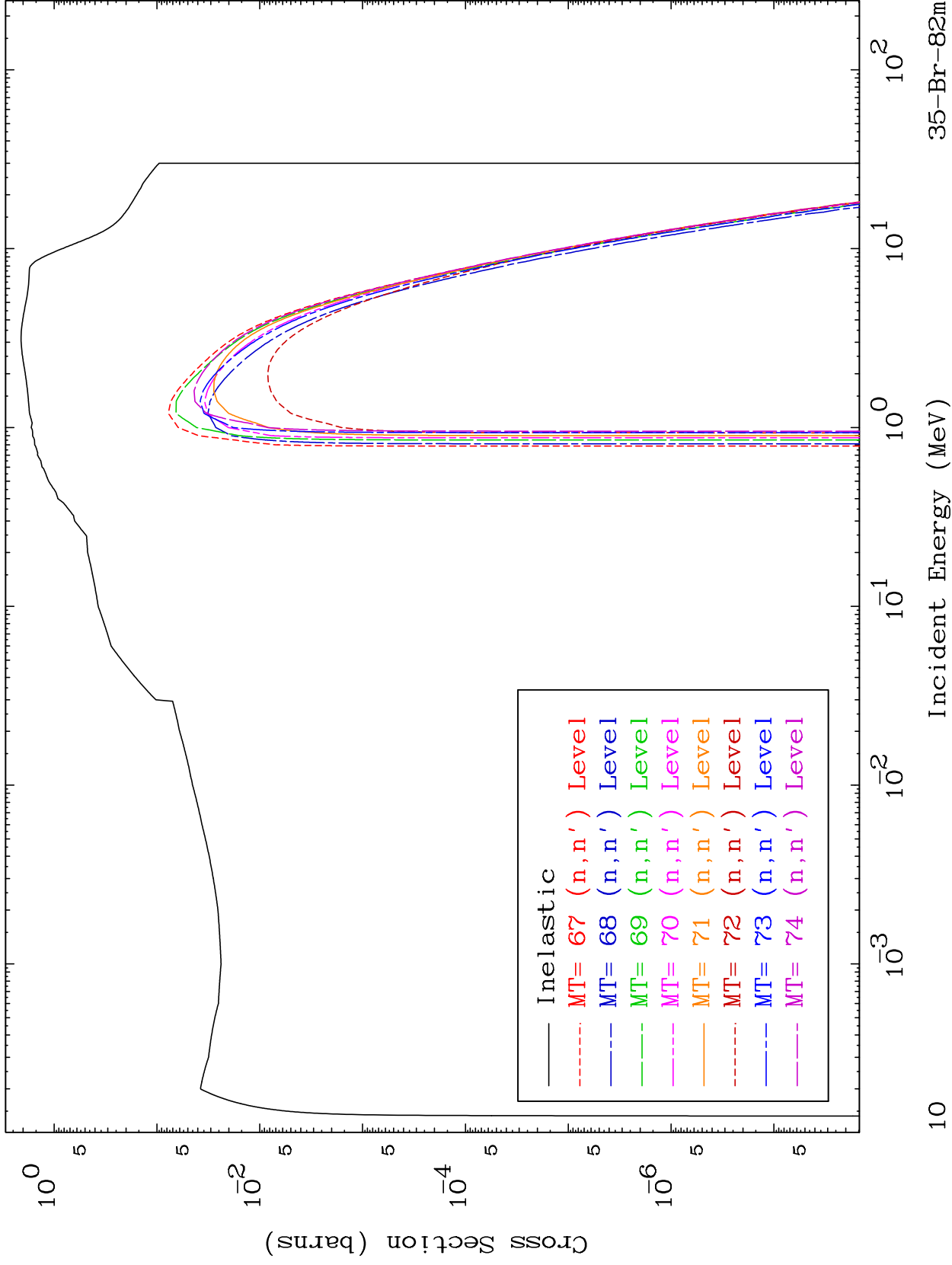
35-Br-82m



MAT 3535

(n,n') Levels
293 Kelvin Cross Sections

35-Br-82m



10

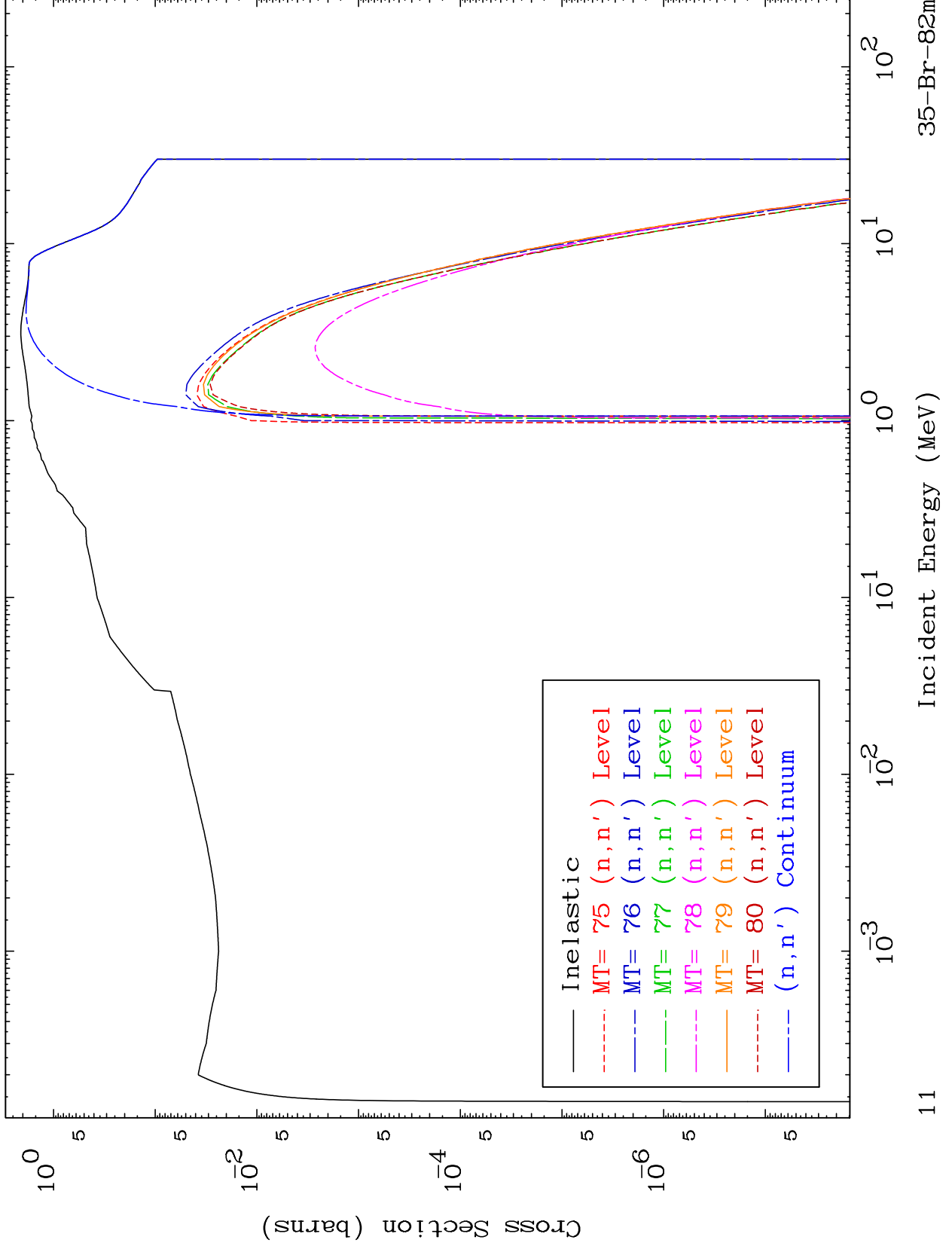
Incident Energy (MeV)

35-Br-82m

MAT 3535

(n,n') Levels
293 Kelvin Cross Sections

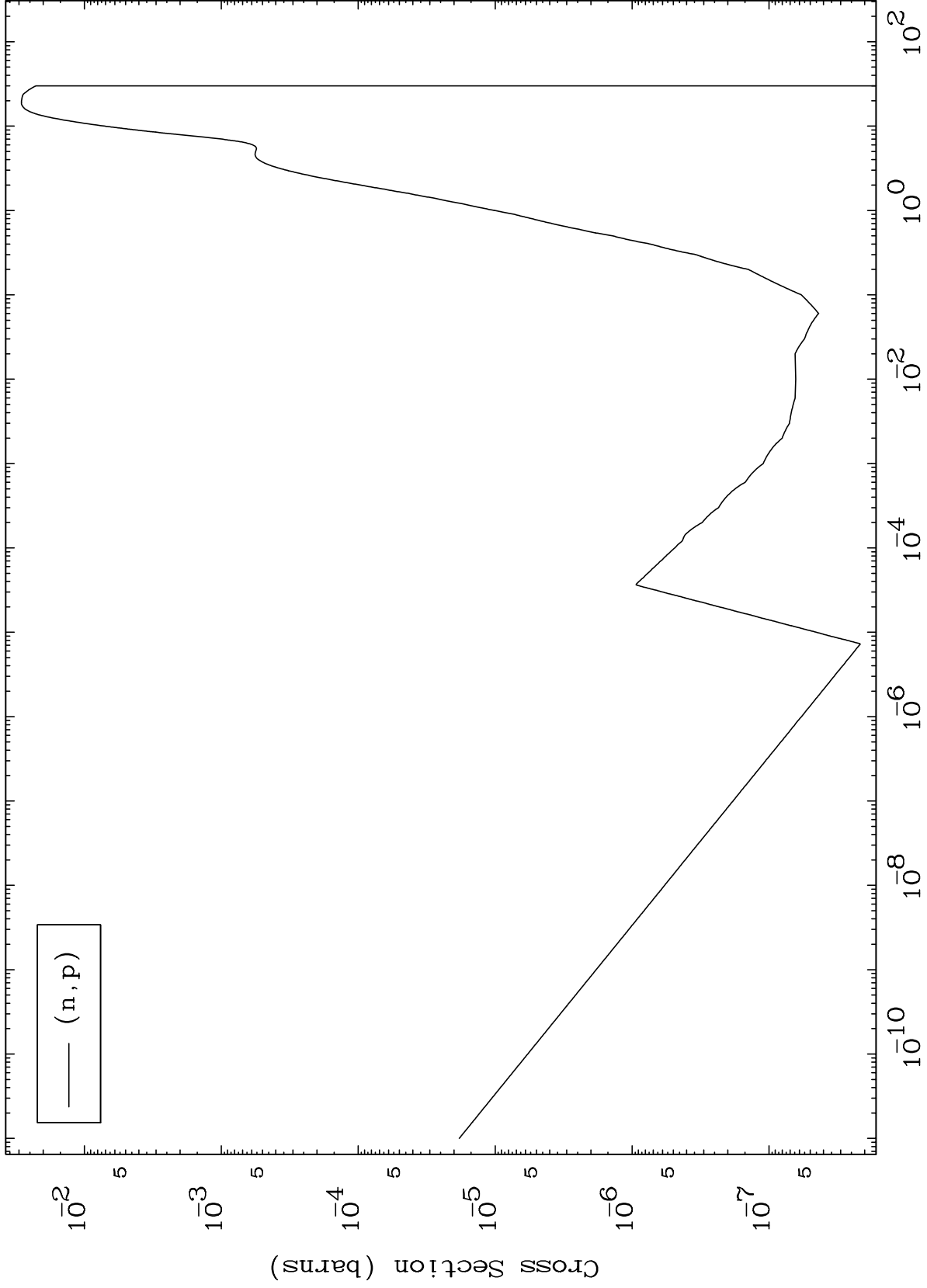
35-Br-82m



MAT 3535

(n,p) Levels
293 Kelvin Cross Sections

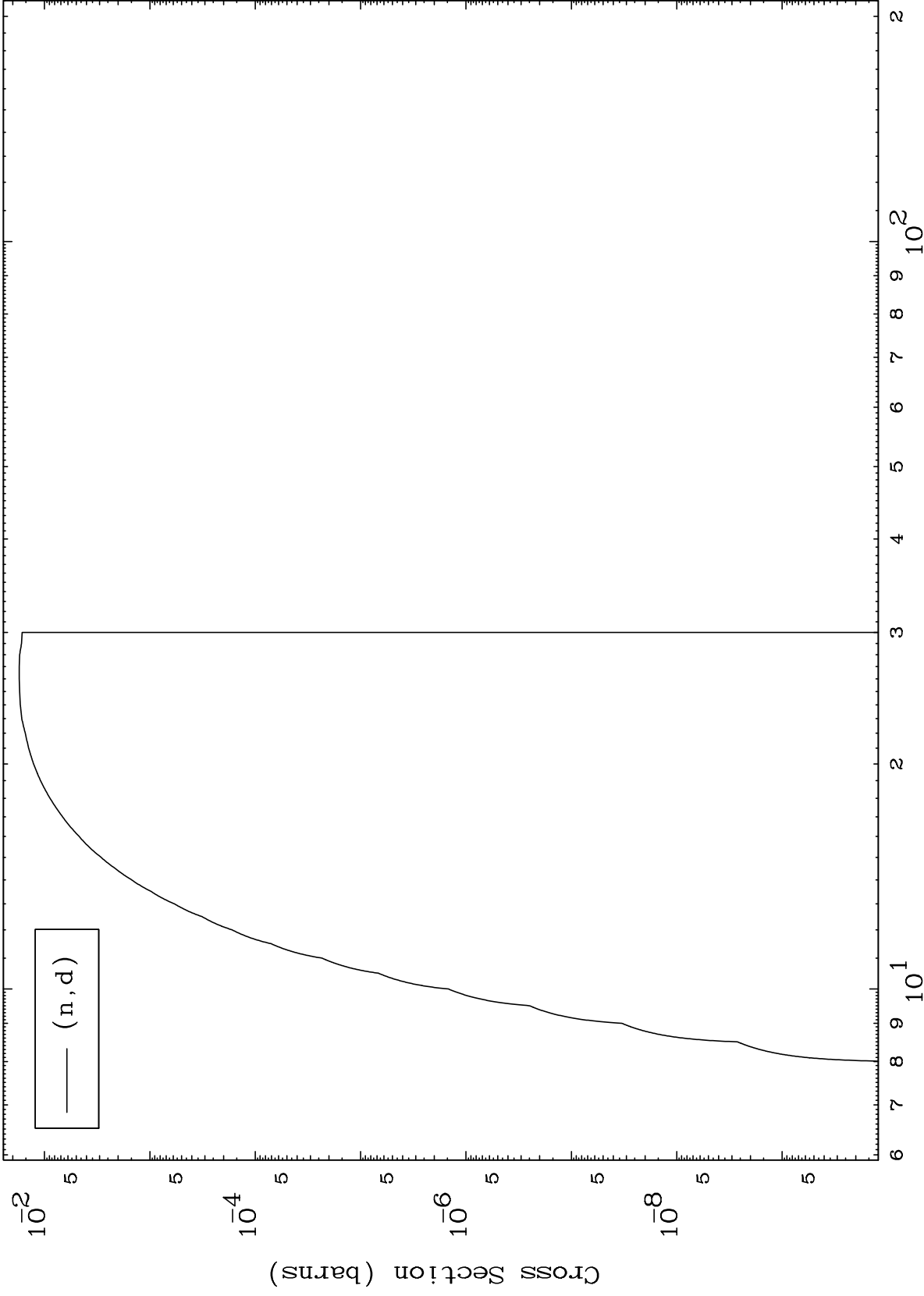
35-Br-82m



MAT 3535

(n,d) Levels
293 Kelvin Cross Sections

35-Br-82m



13

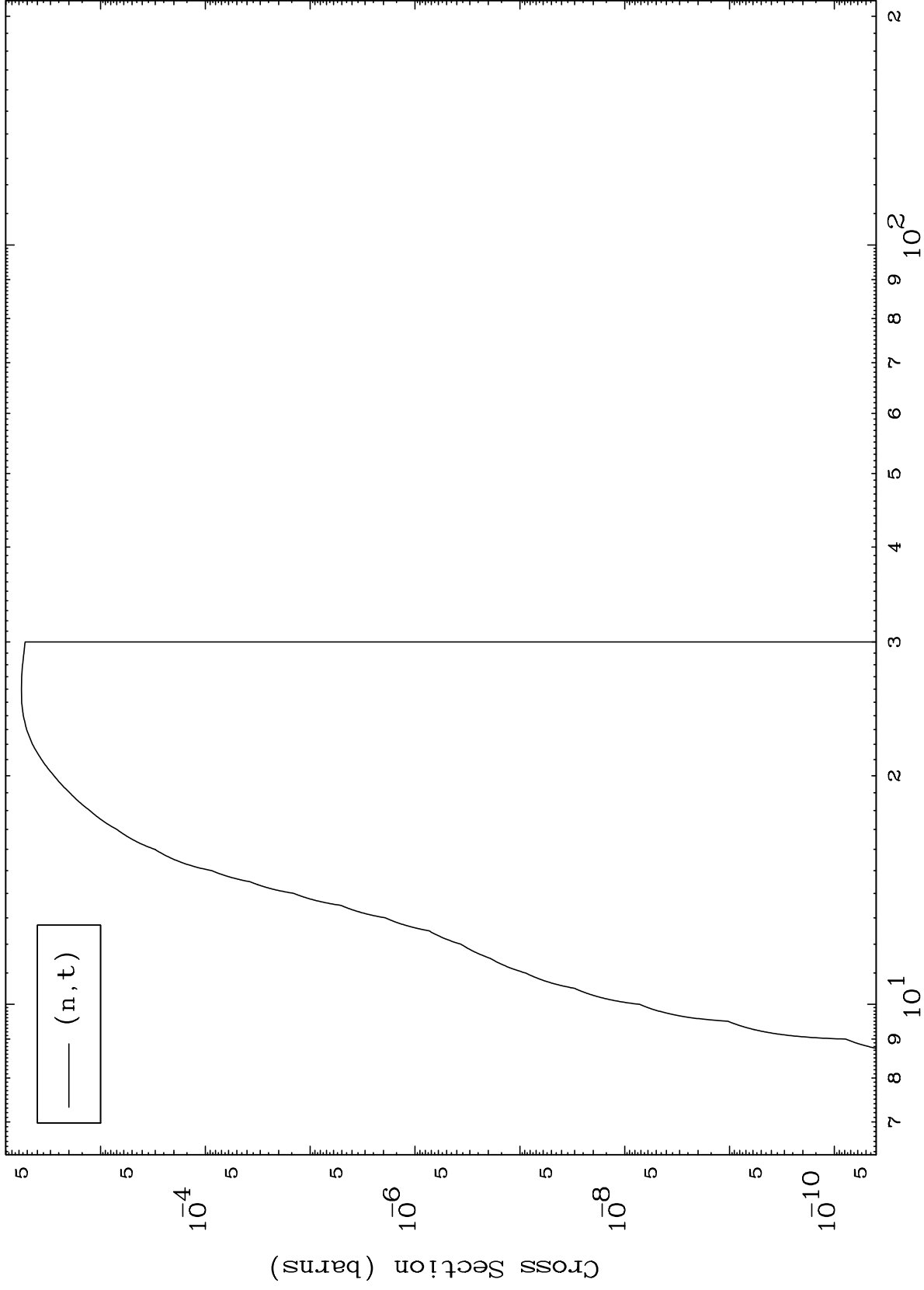
Incident Energy (MeV)

35-Br-82m

MAT 3535

(n,t) Levels
293 Kelvin Cross Sections

35-Br-82m



14

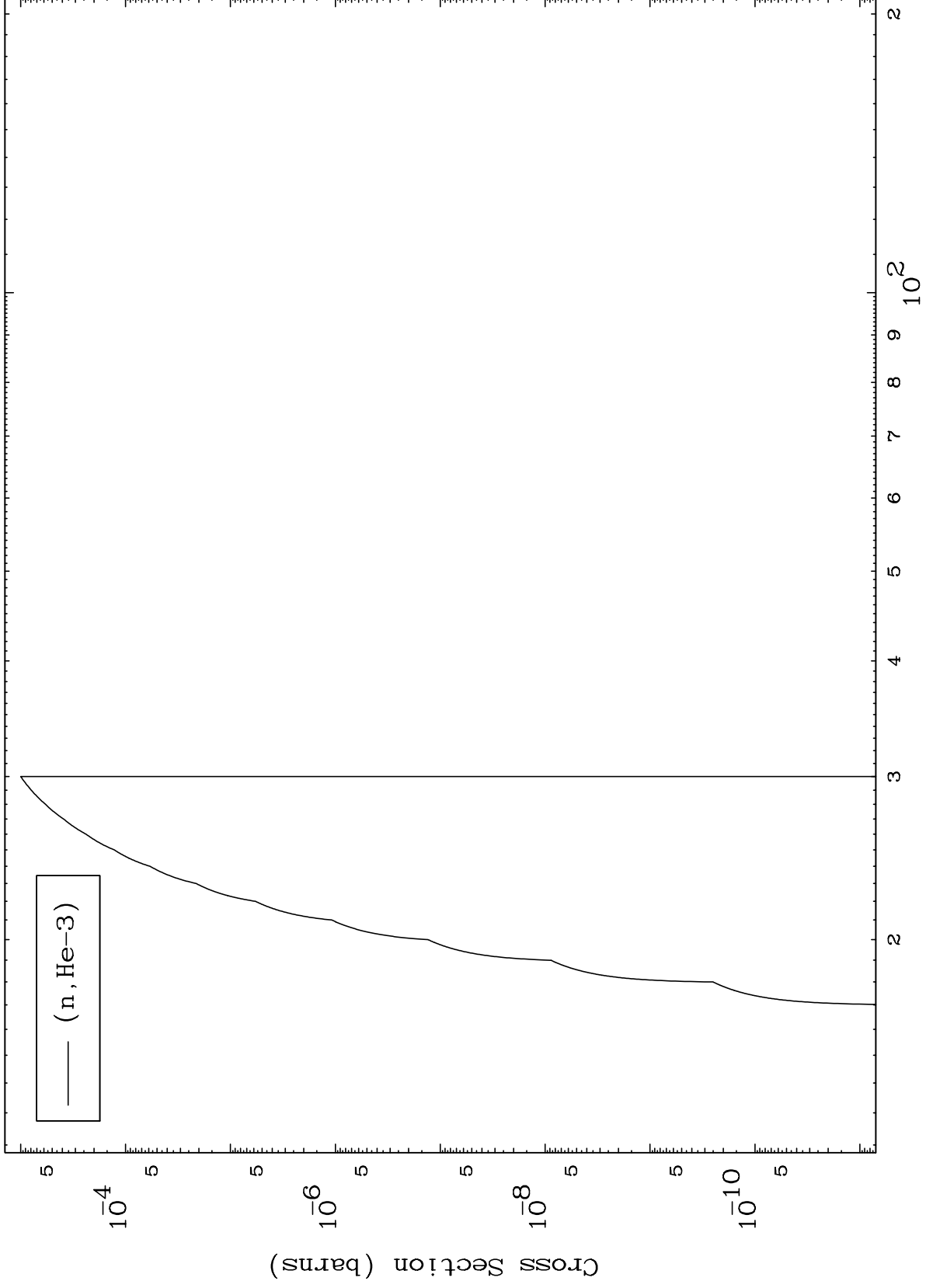
Incident Energy (MeV)

35-Br-82m

MAT 3535

(n,He3) Levels
293 Kelvin Cross Sections

35-Br-82m



15

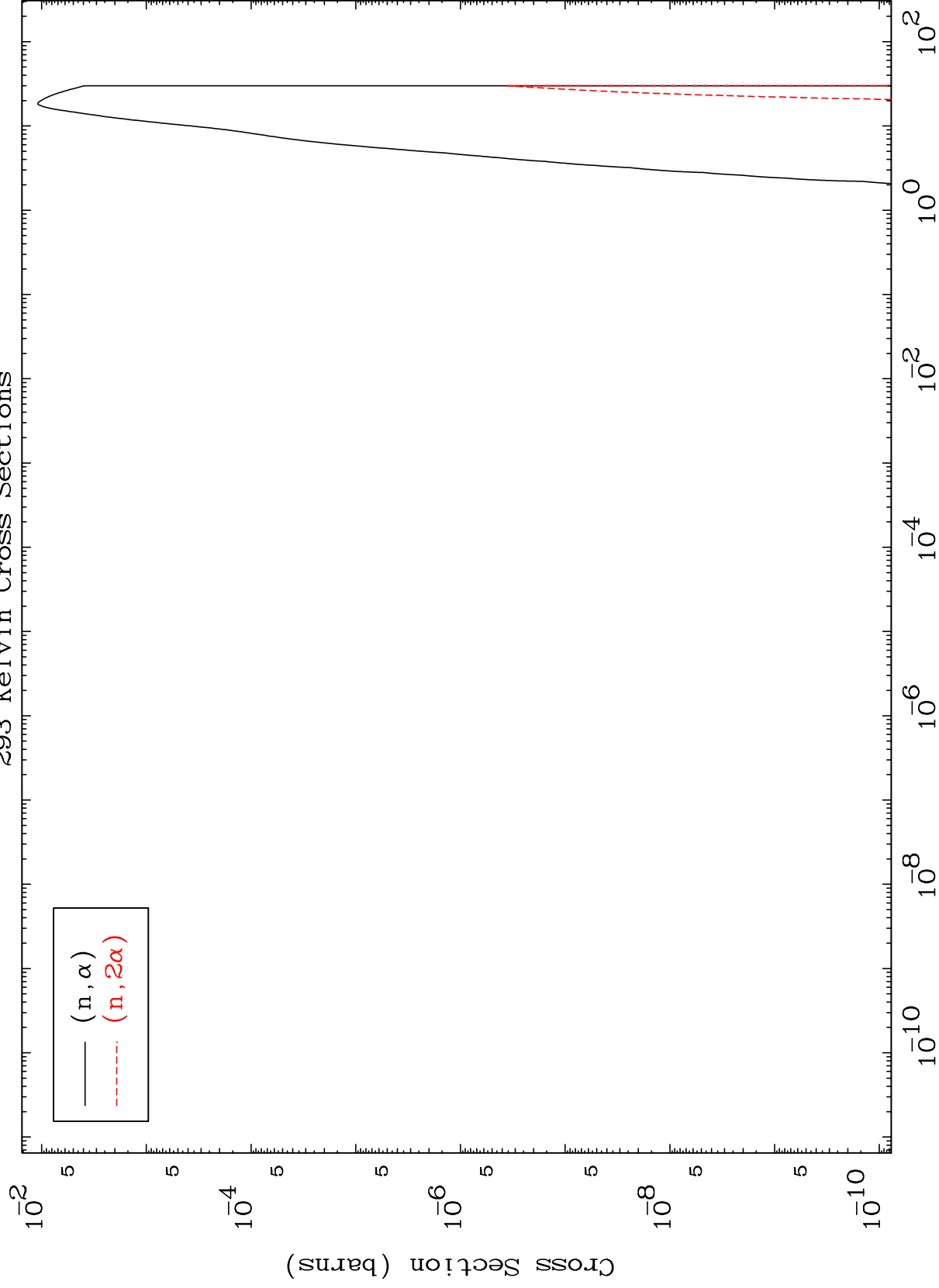
Incident Energy (MeV)

35-Br-82m

MAT 3535

(n, α) Levels
293 Kelvin Cross Sections

35-Br-82m



16

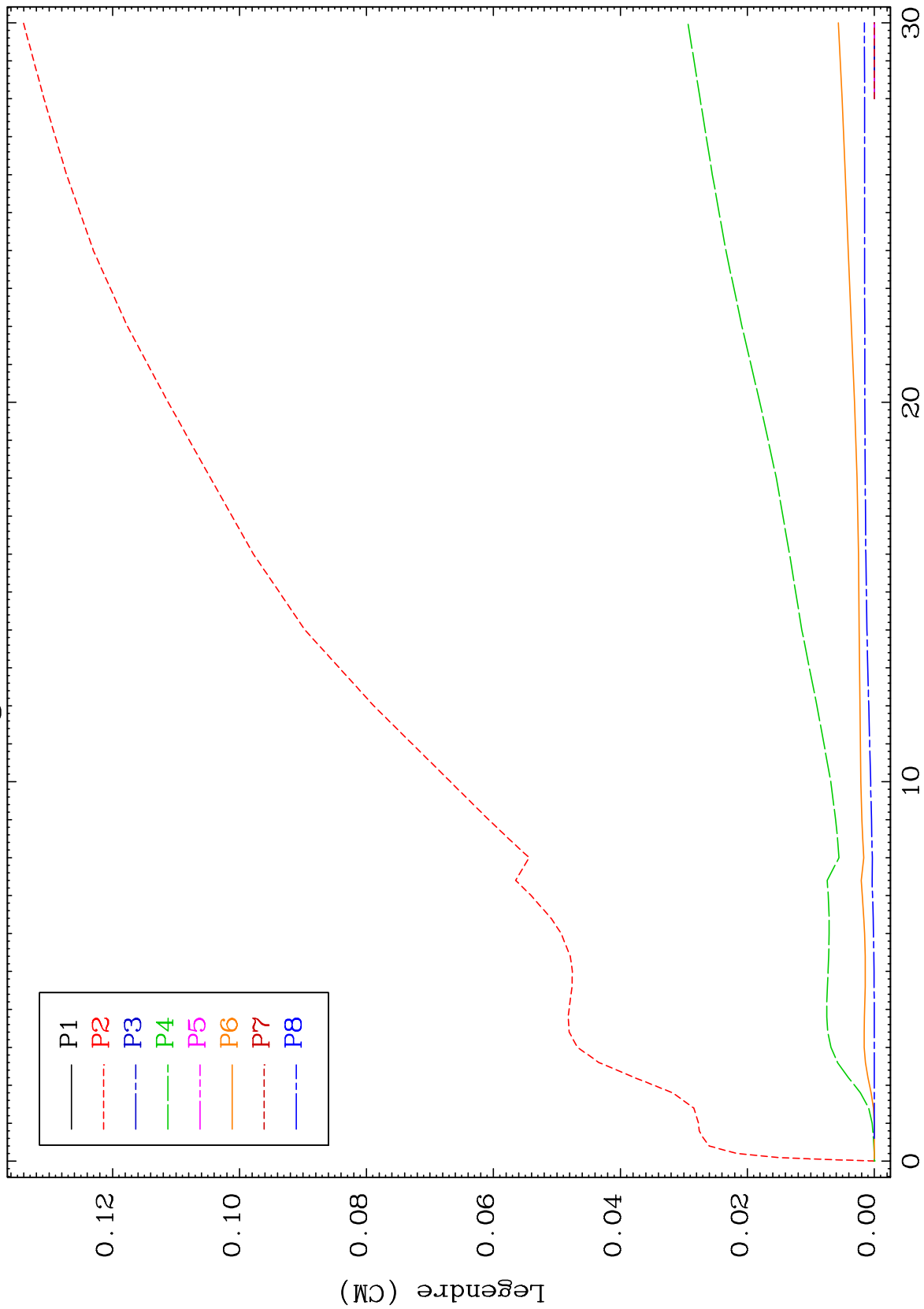
Incident Energy (MeV)

35-Br-82m

MAT 3535

Elastic Legendre Coefficients

35-Br-82m



35-Br-82m

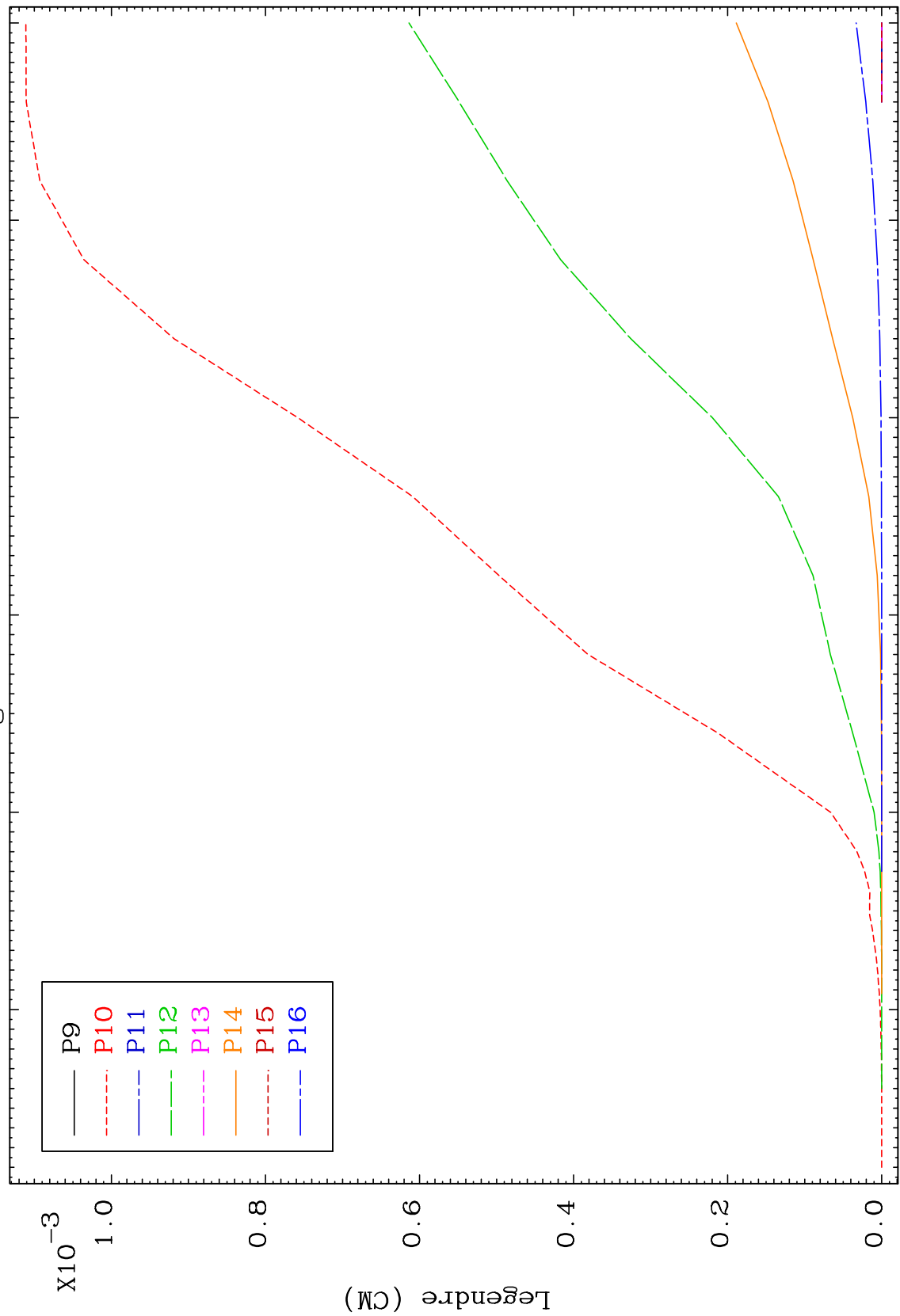
Incident Energy (MeV)

17

MAT 3535

Elastic Legendre Coefficients

35-Br-82m



18

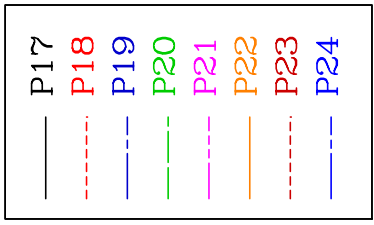
Incident Energy (MeV)

35-Br-82m

MAT 3535

Elastic Legendre Coefficients

35-Br-82m



$\times 10^{-6}$
2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

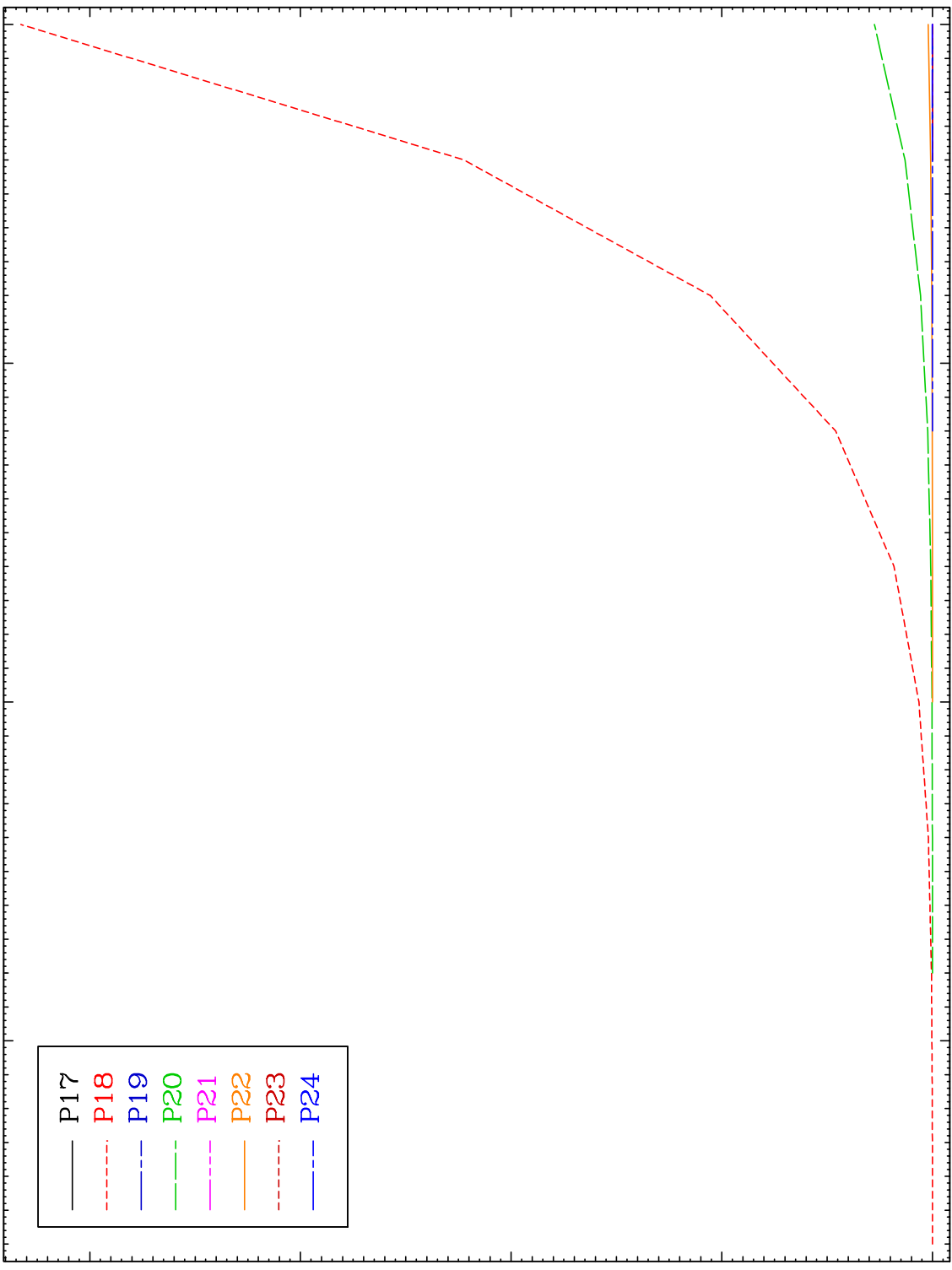
25

30

19

Incident Energy (MeV)

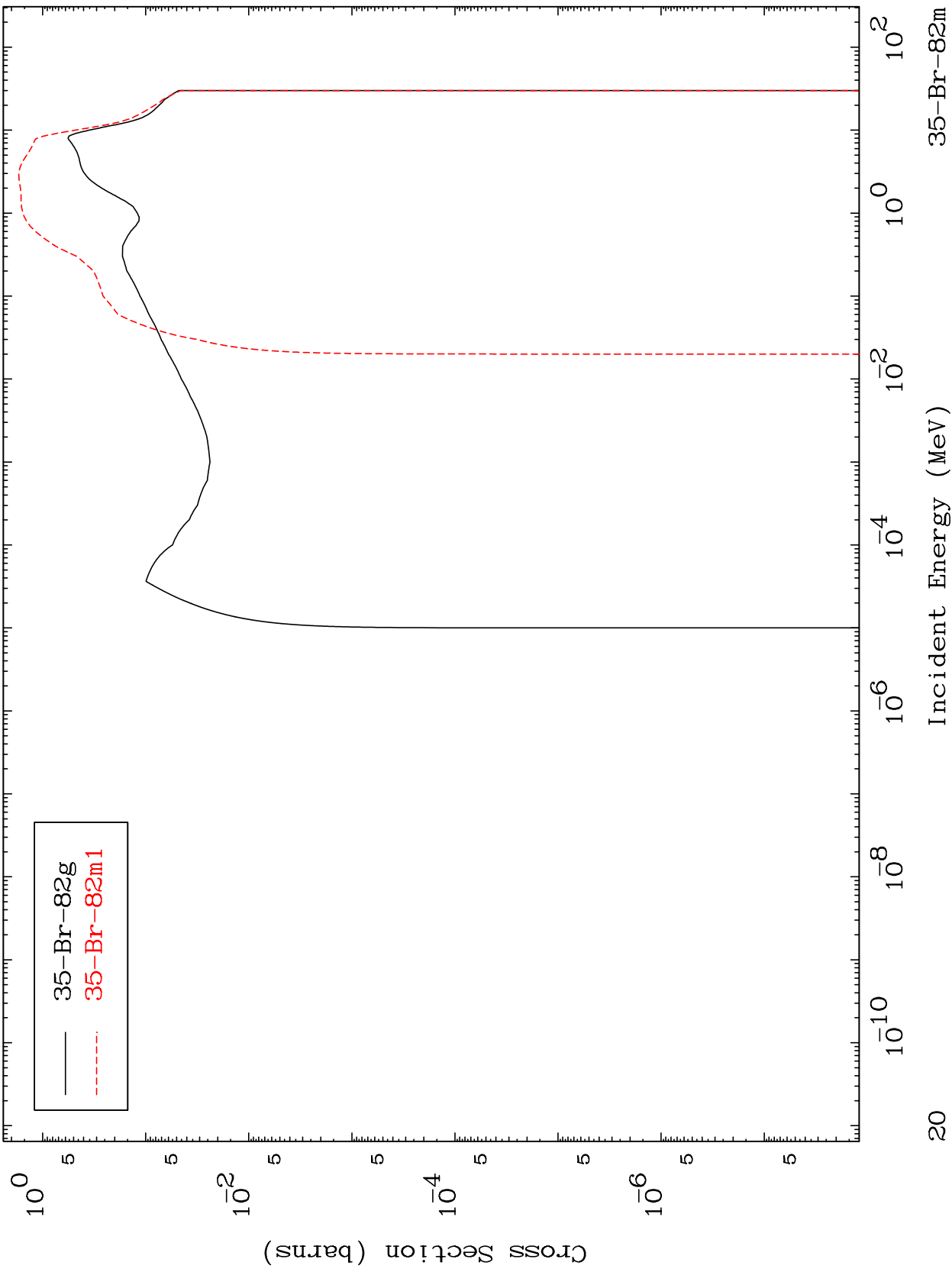
35-Br-82m



MAT 3535

35-Br-82m

Inelastic
Radionuclide Production Cross Section

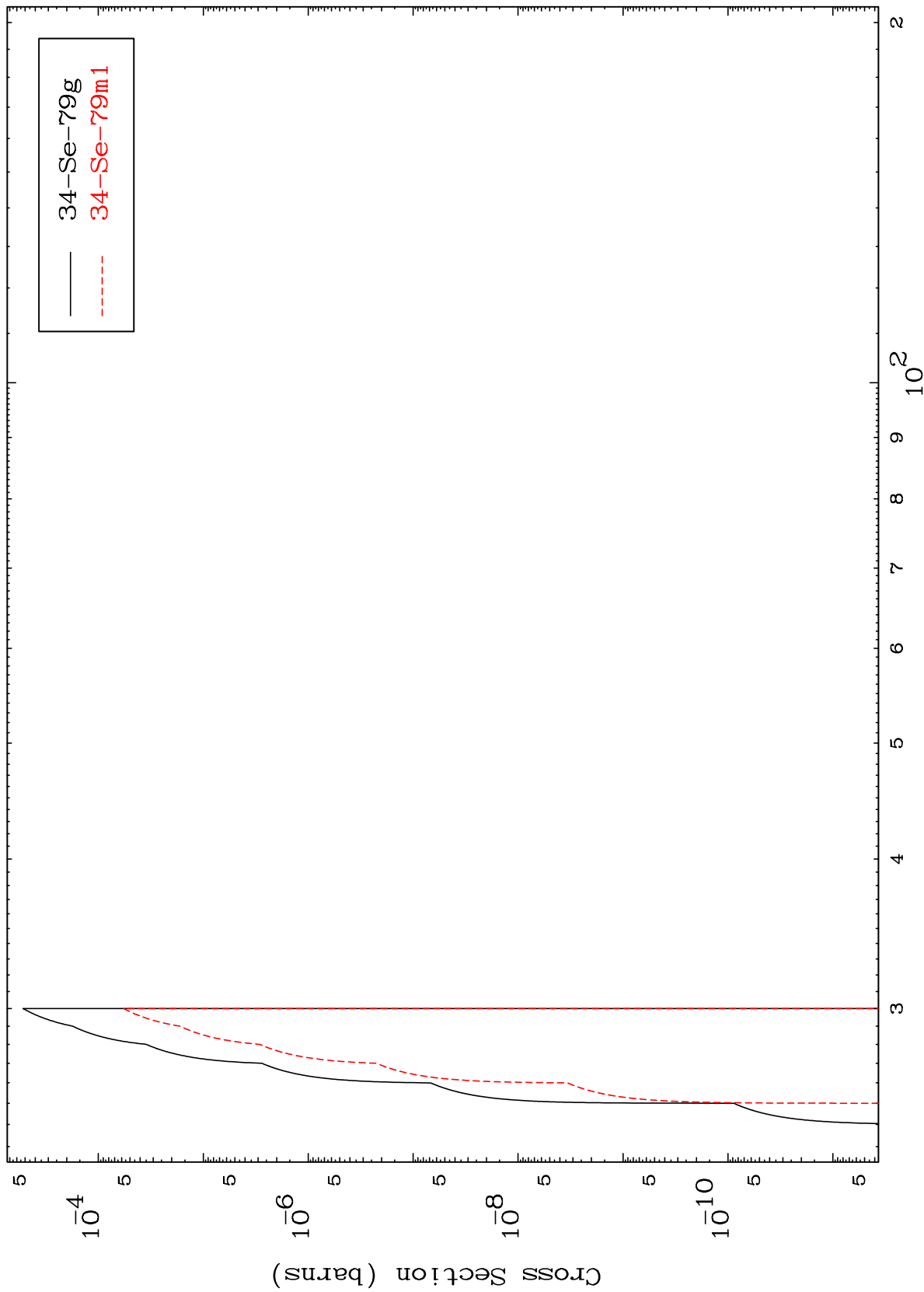


MAT 3535

(n,2n) d

35-Br-82m

Radionuclide Production Cross Section



21

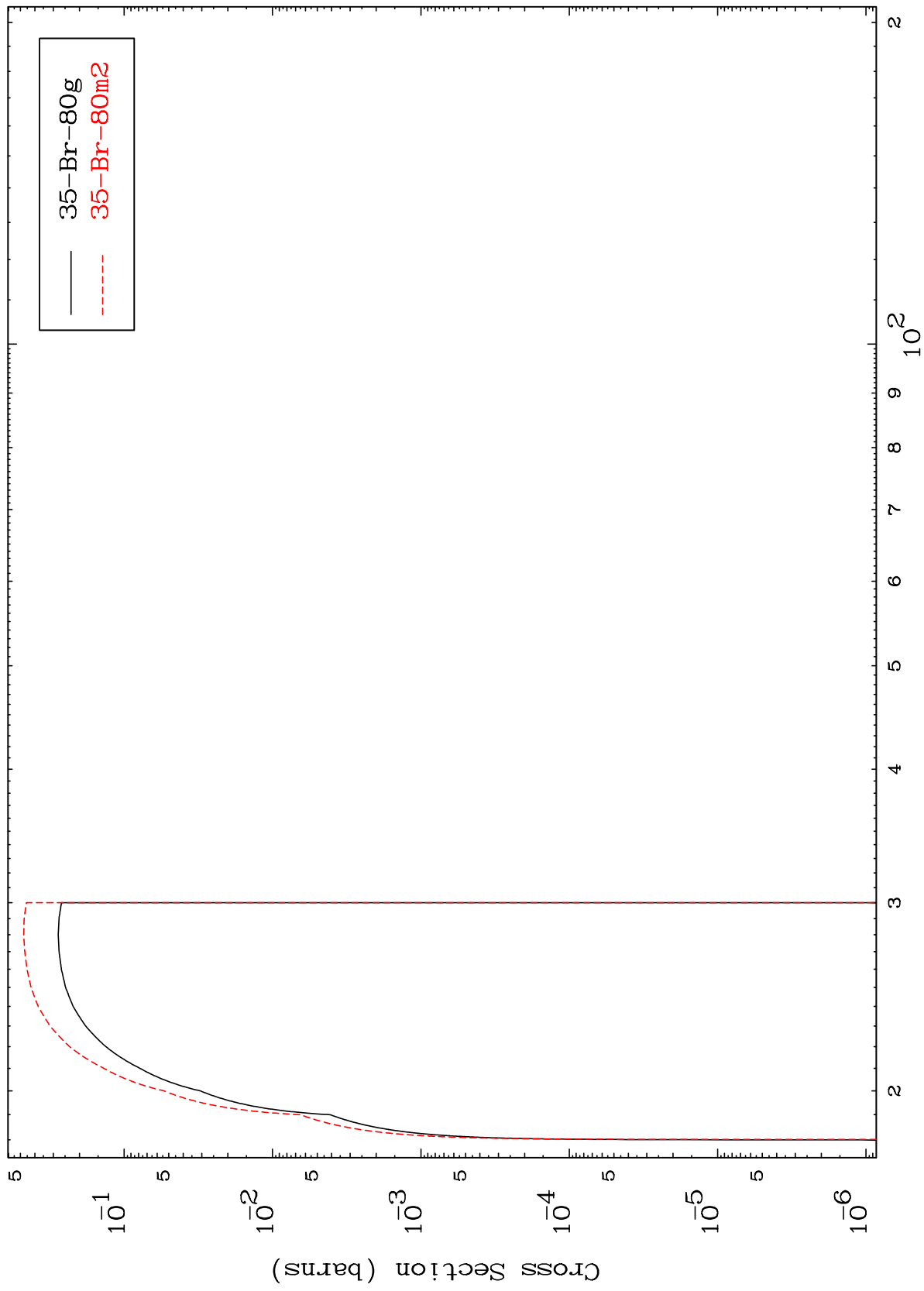
Incident Energy (MeV)

35-Br-82m

MAT 3535

35-Br-82m

(n,3n)
Radionuclide Production Cross Section



22

Incident Energy (MeV)

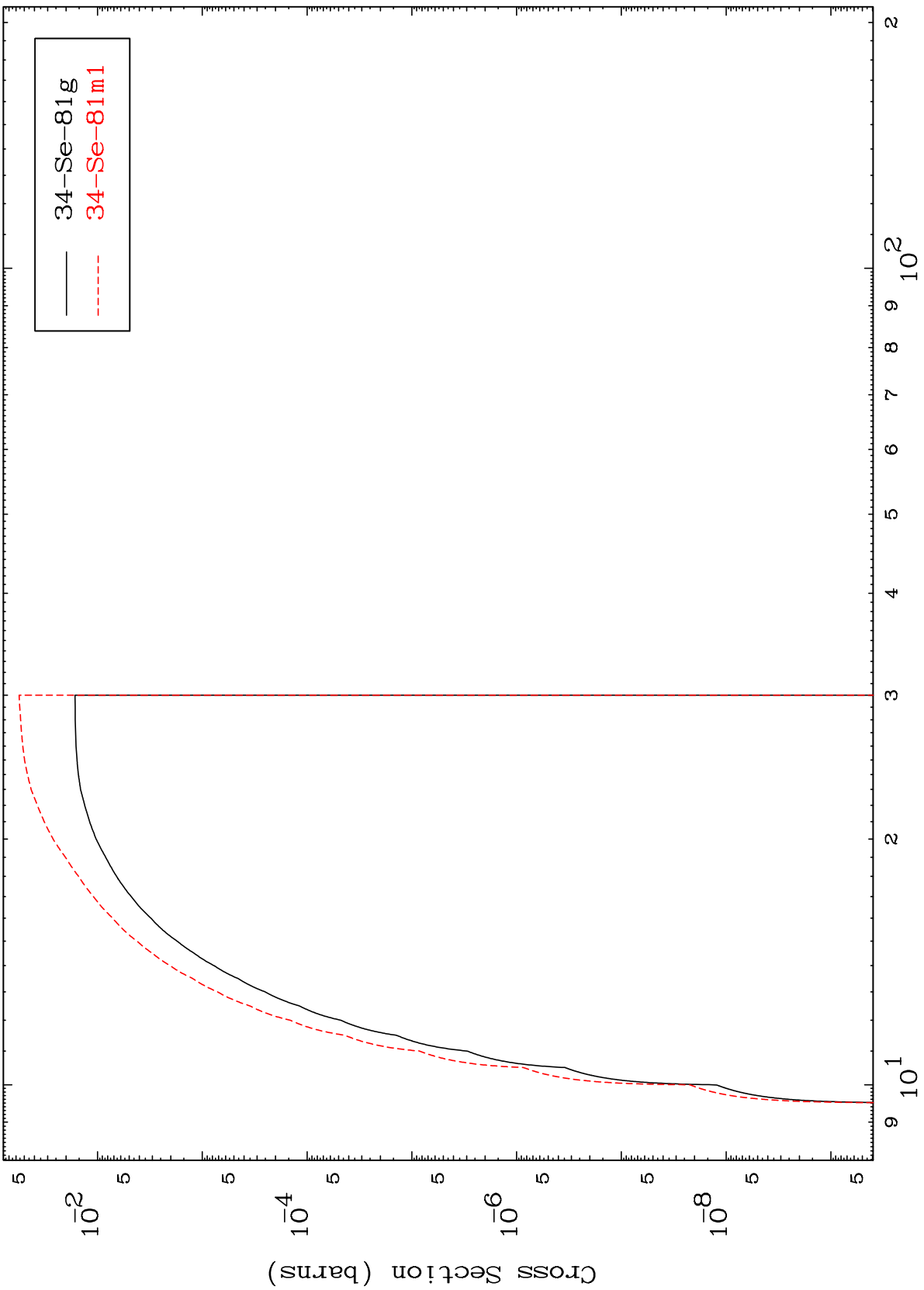
35-Br-82m

MAT 3535

(n,n') p

35-Br-82m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

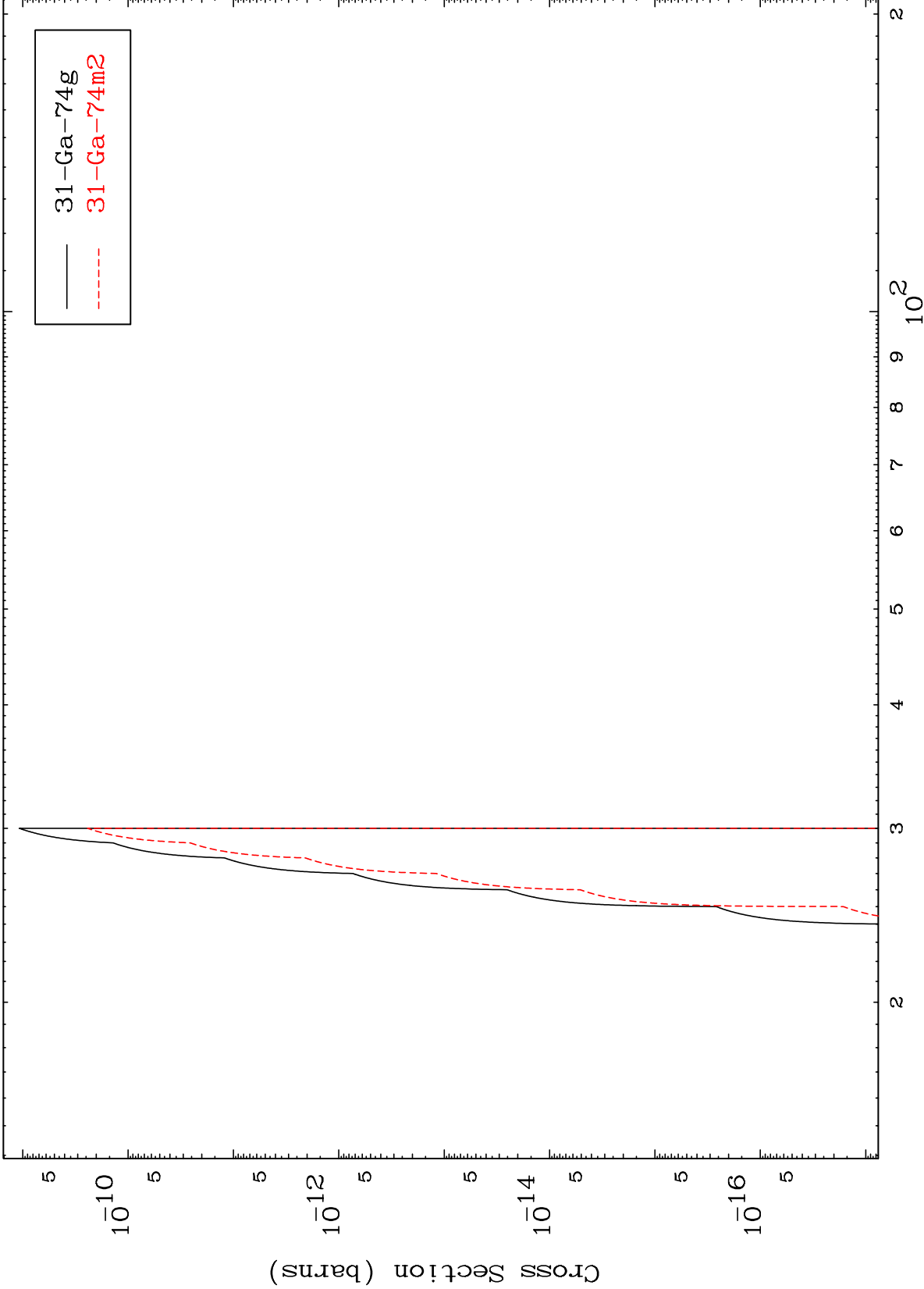
35-Br-82m

MAT 3535

(n,n') 2α

35-Br-82m

Radionuclide Production Cross Section



31-Ga-74g
31-Ga-74m2

24

Incident Energy (MeV)

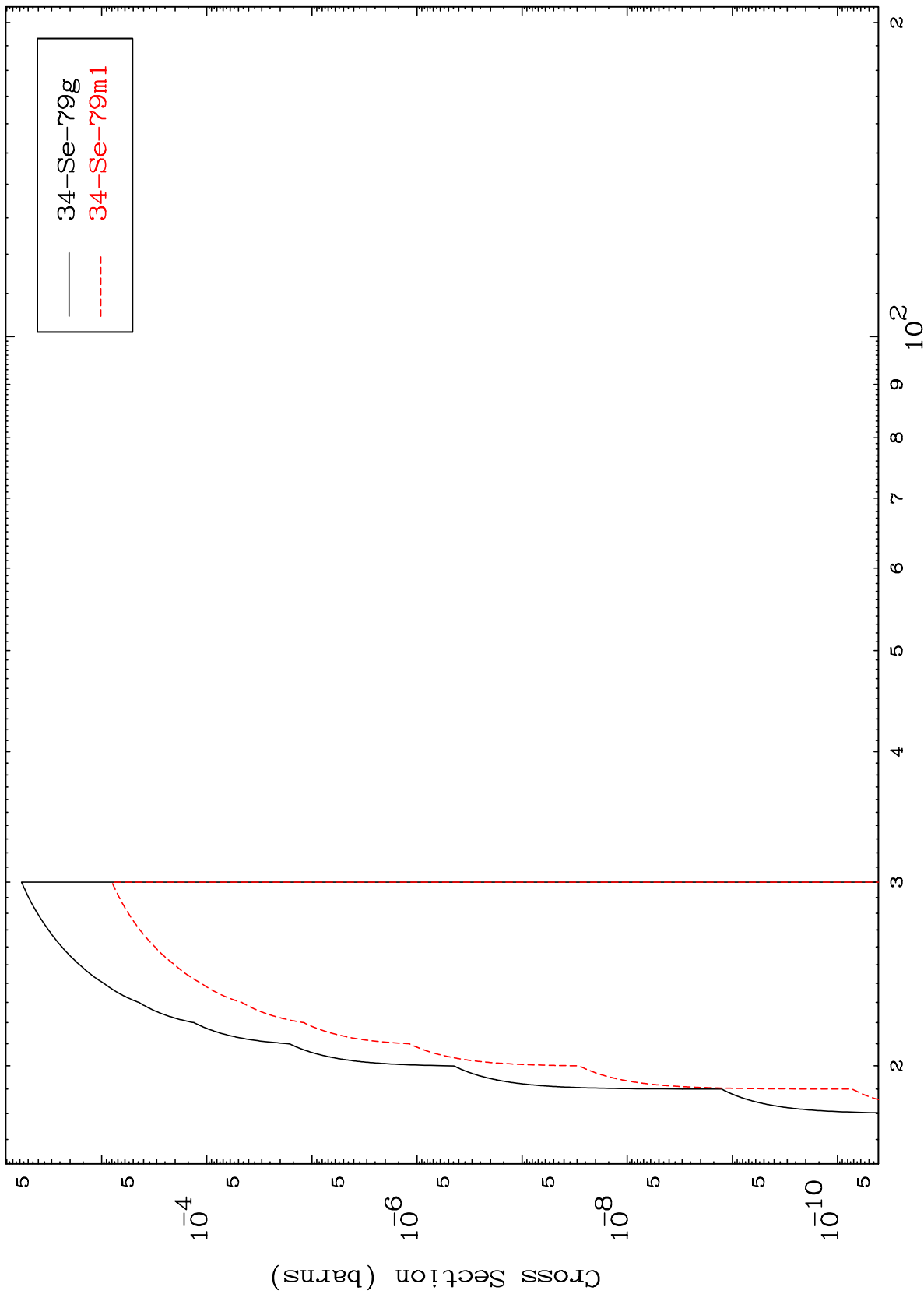
35-Br-82m

MAT 3535

(n,n') t

35-Br-82m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

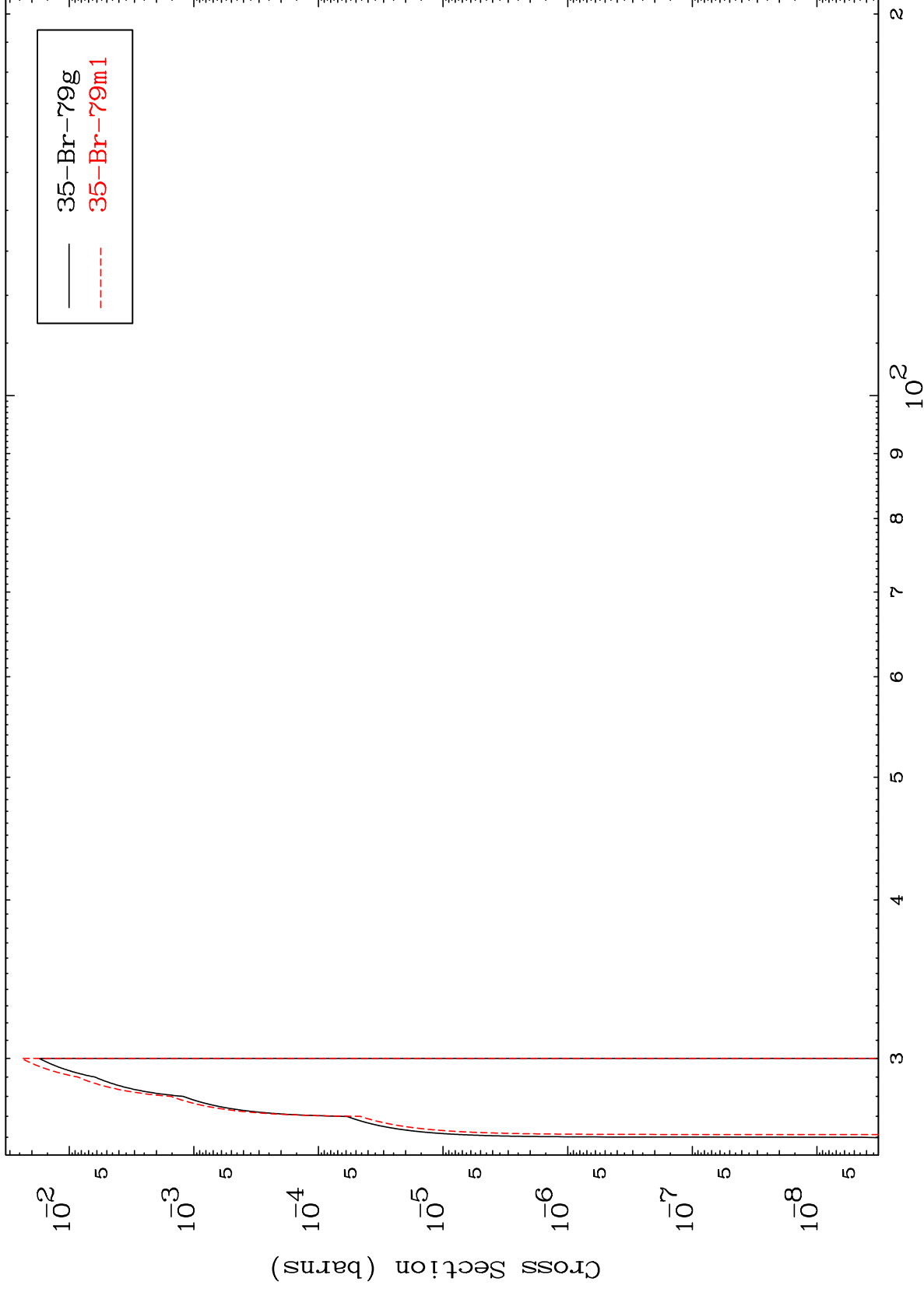
35-Br-82m

MAT 3535

(n,4n)

35-Br-82m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

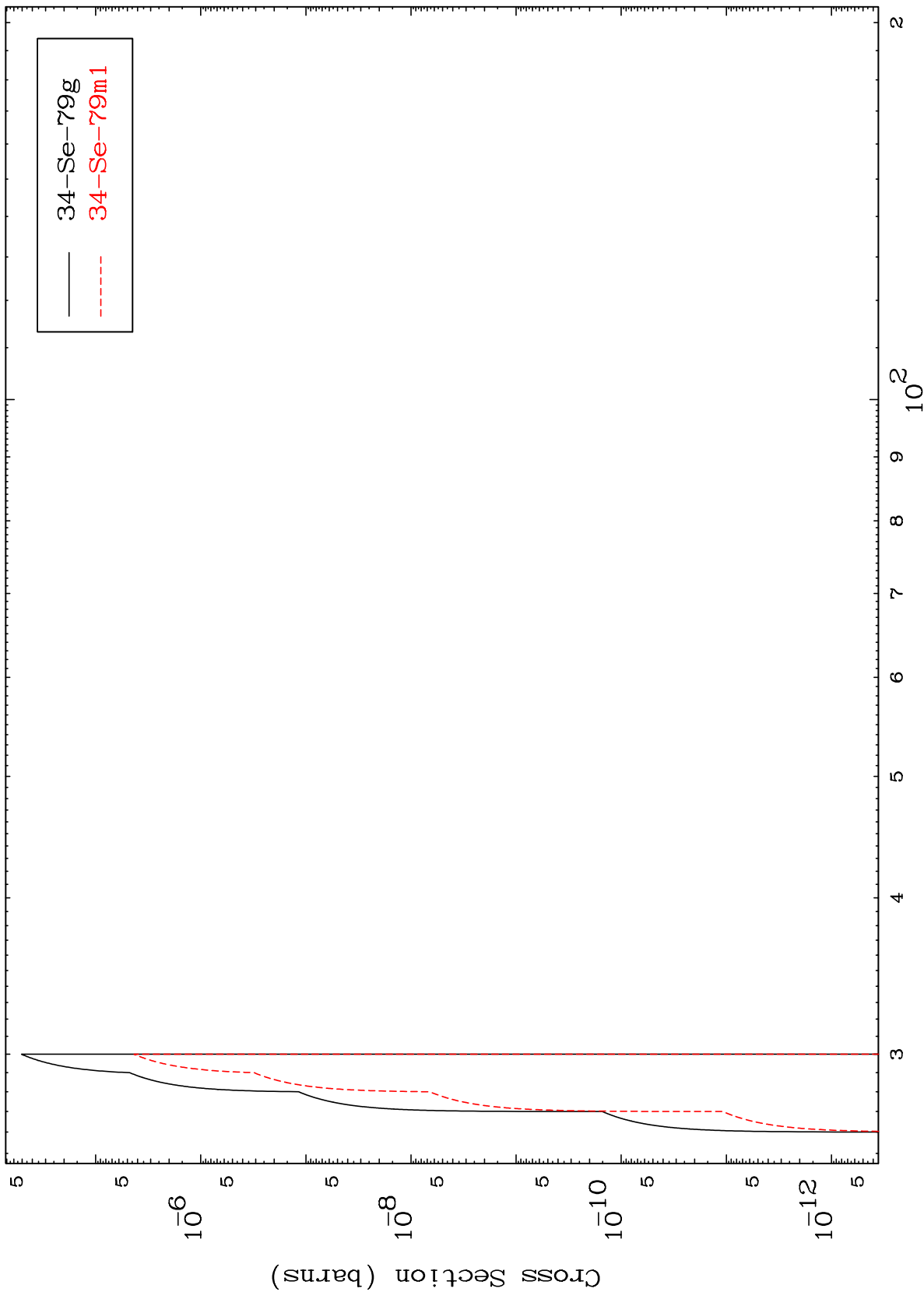
35-Br-82m

MAT 3535

(n,3n) p

35-Br-82m

Radionuclide Production Cross Section



27

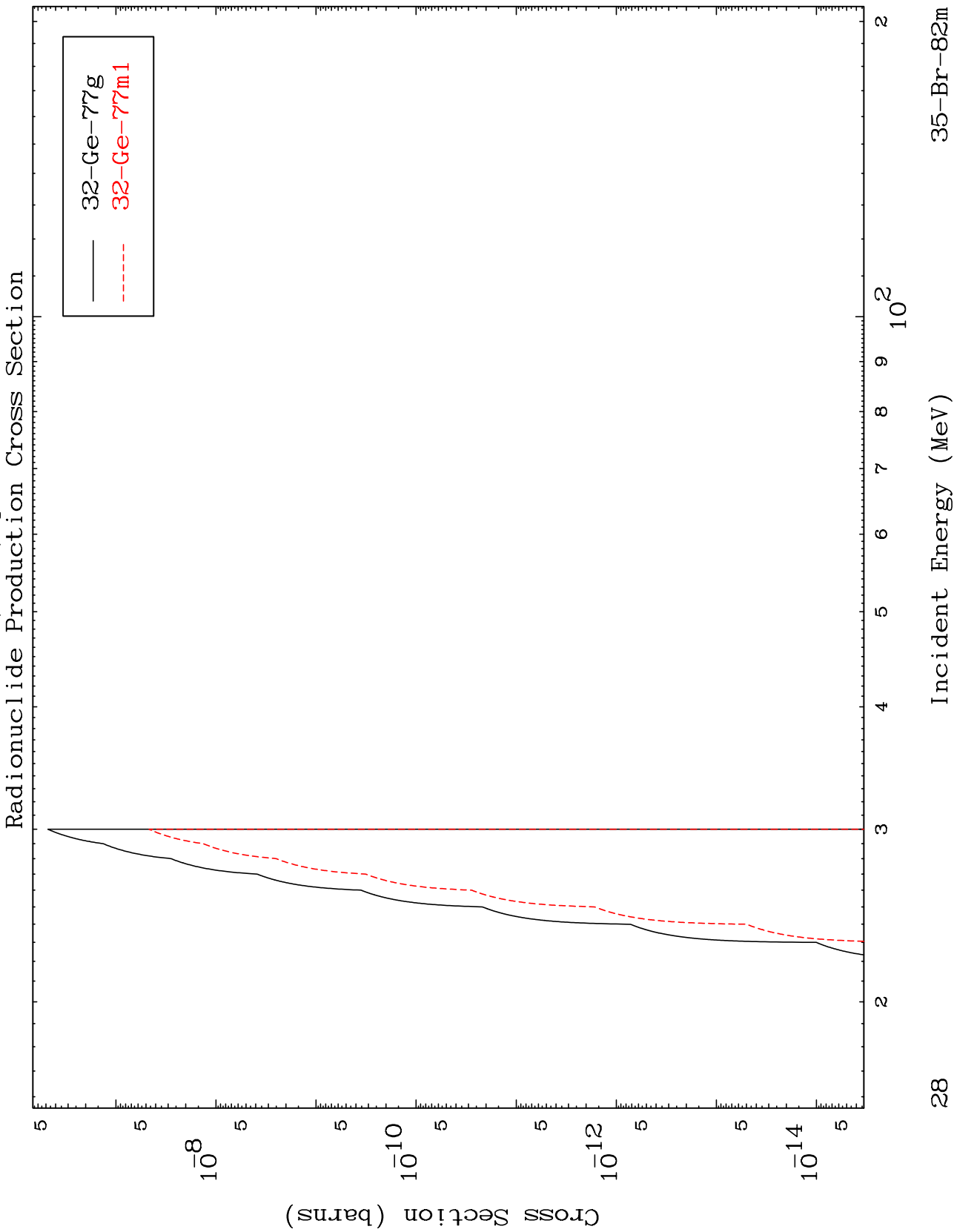
Incident Energy (MeV)

35-Br-82m

MAT 3535

(n,n') p α

35-Br-82m



28

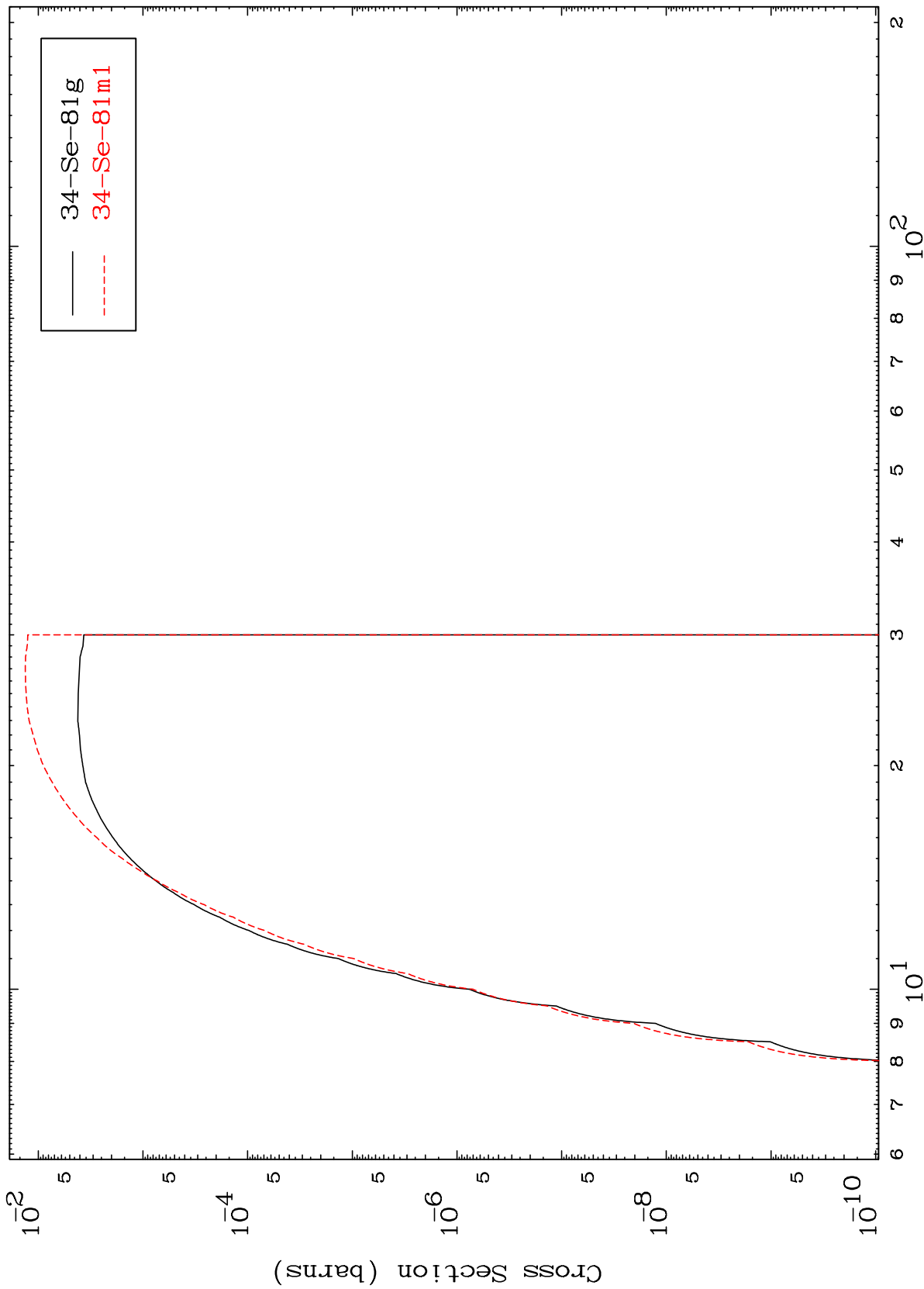
35-Br-82m

MAT 3535

(n,d)

35-Br-82m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

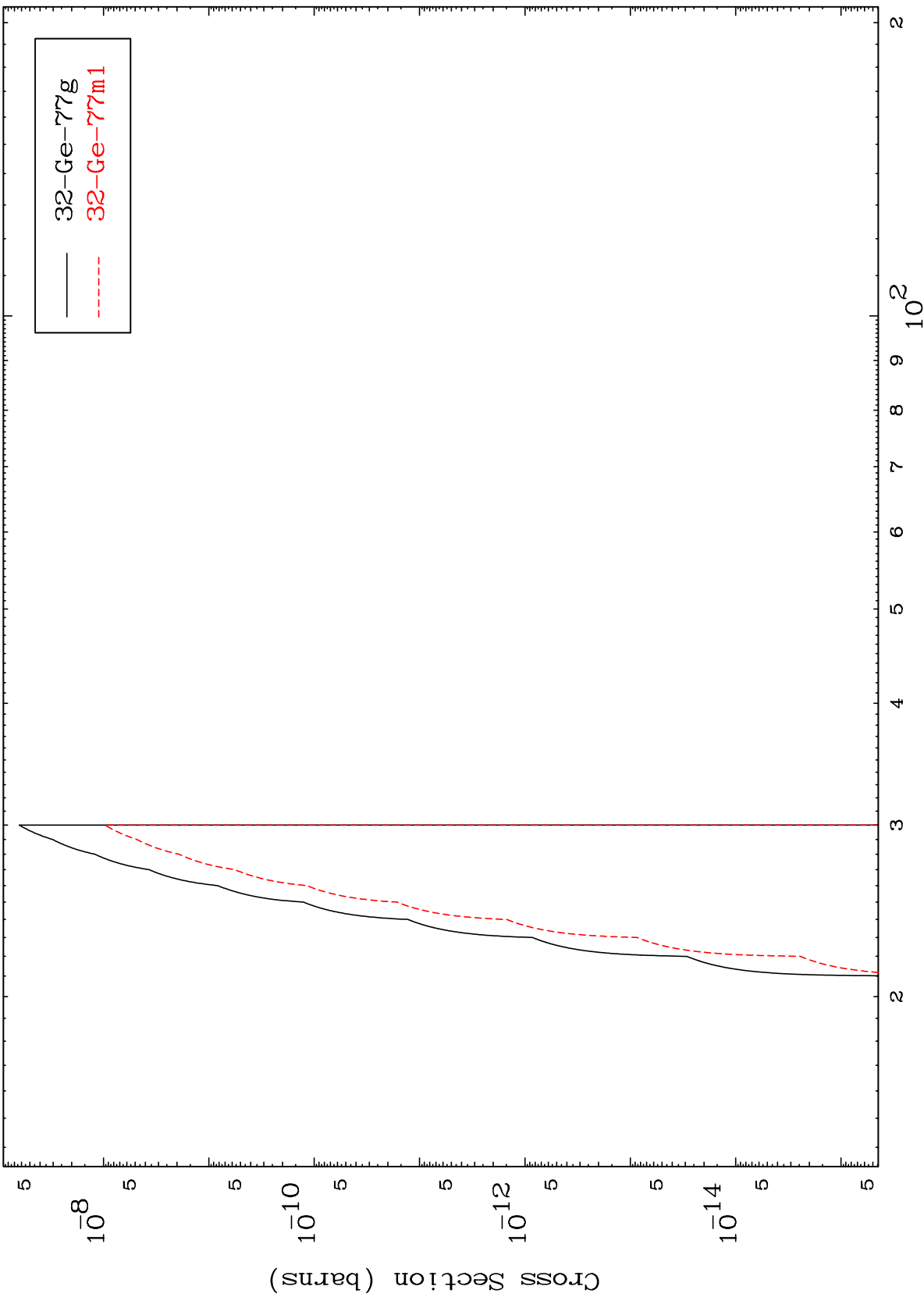
35-Br-82m

MAT 3535

(n,d) α

35-Br-82m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

35-Br-82m