

Program EVALPLOT
(Version 2018-1)

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

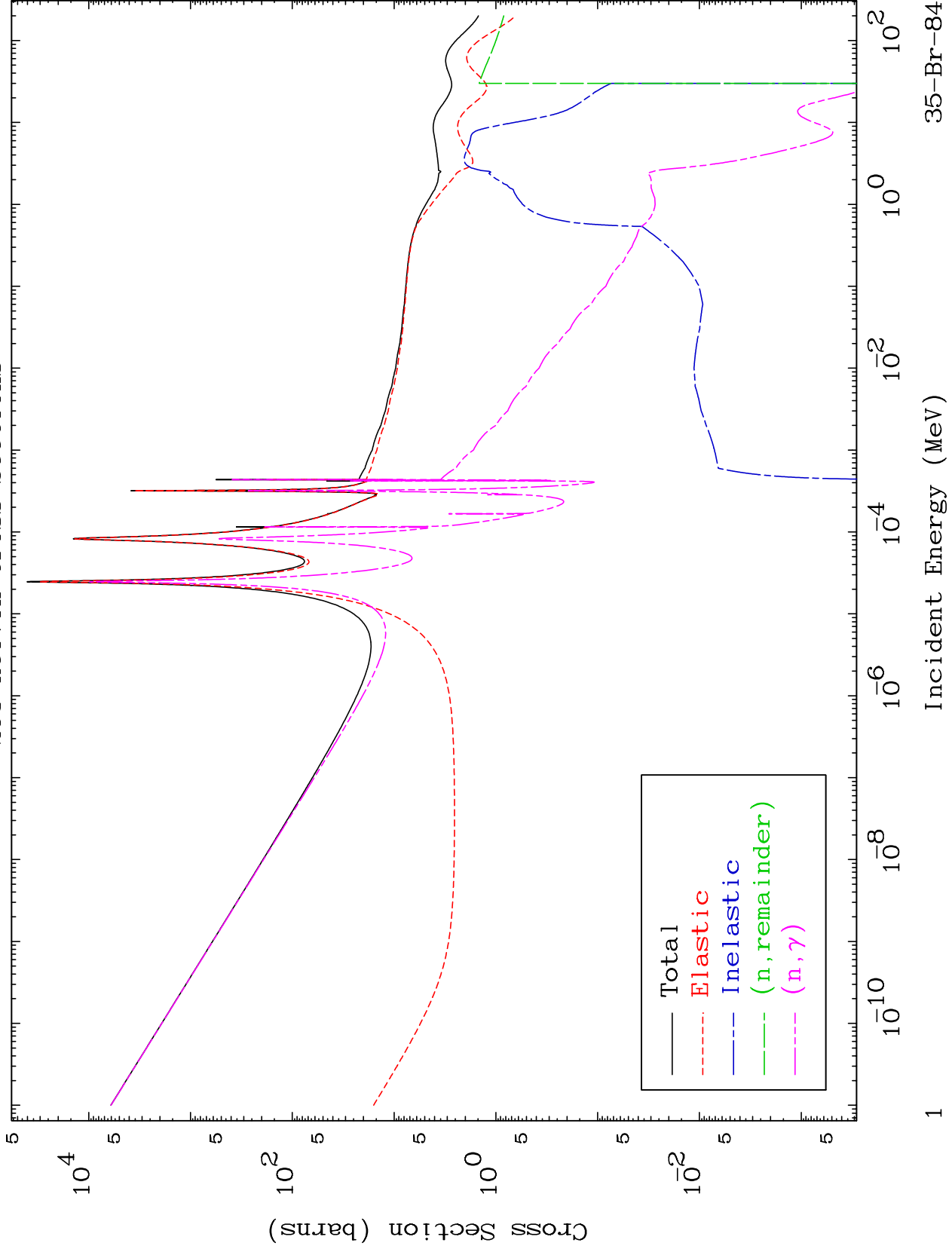
Web:redcullen1.net/HOMEPAGE.NEW

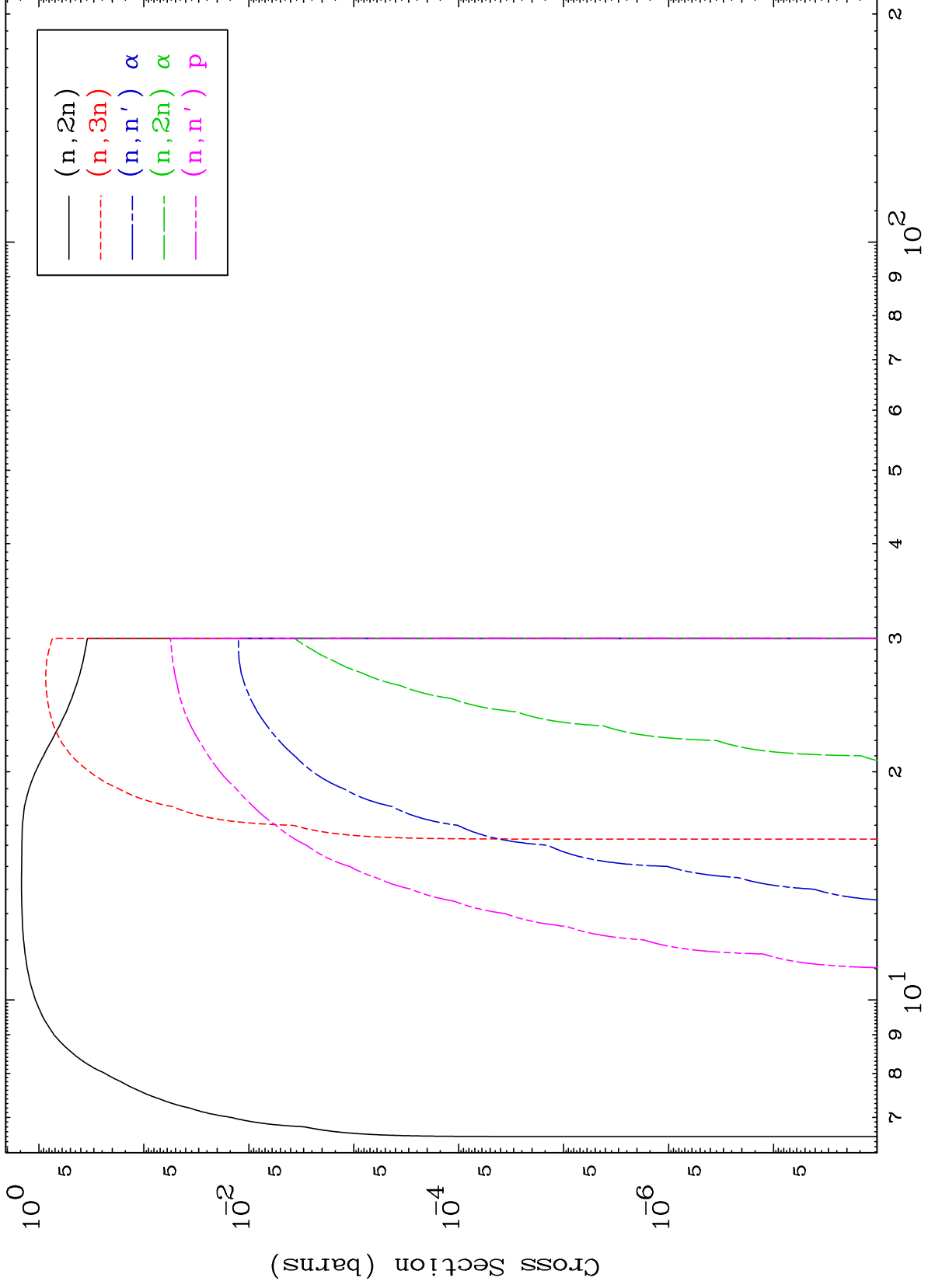
Press Mouse Button to Start

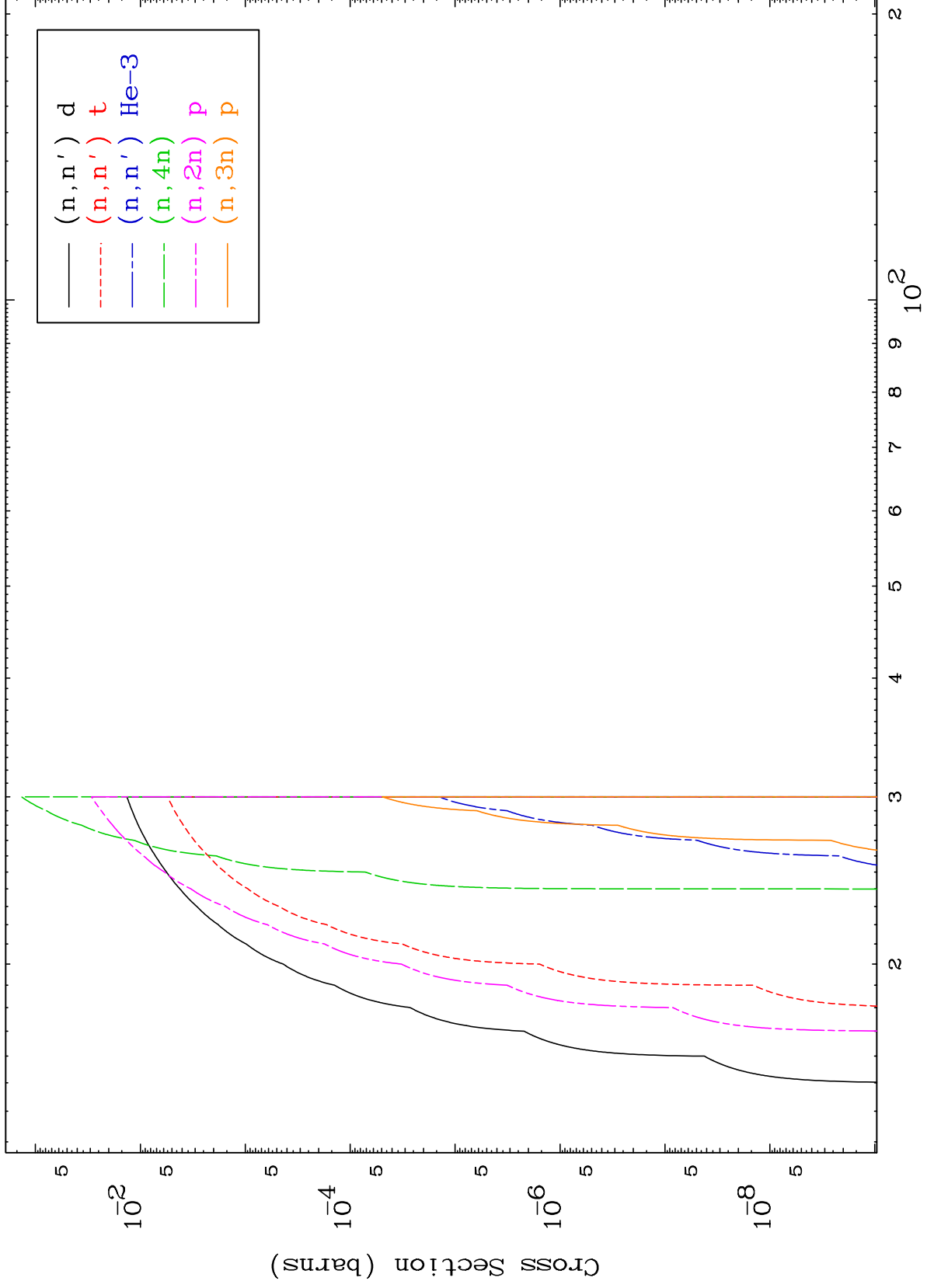
MAT 3541

Major
293 Kelvin Cross Sections

35-Br-84



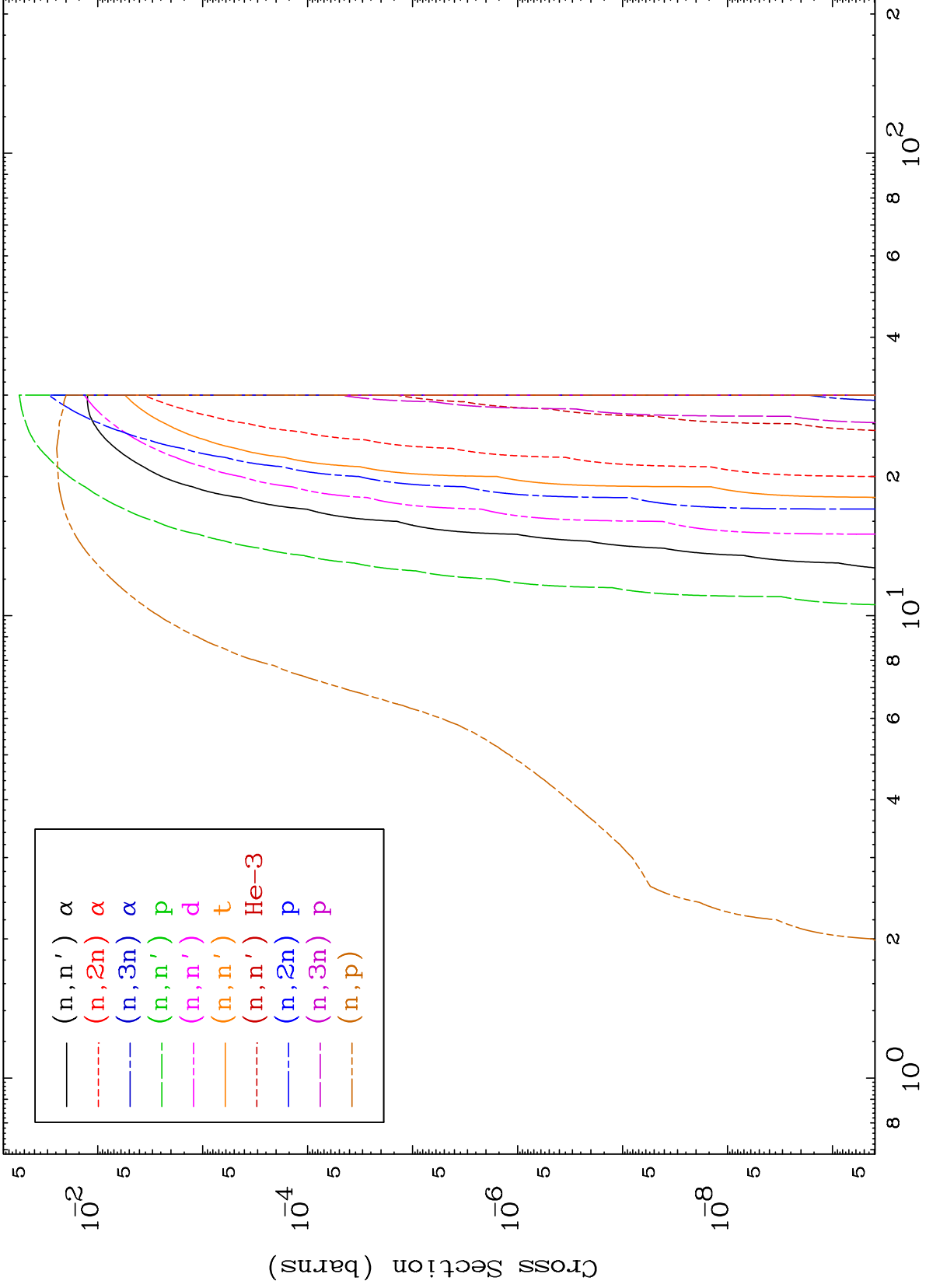




MAT 3541

Charged Particle
293 Kelvin Cross Sections

35-Br-84



4

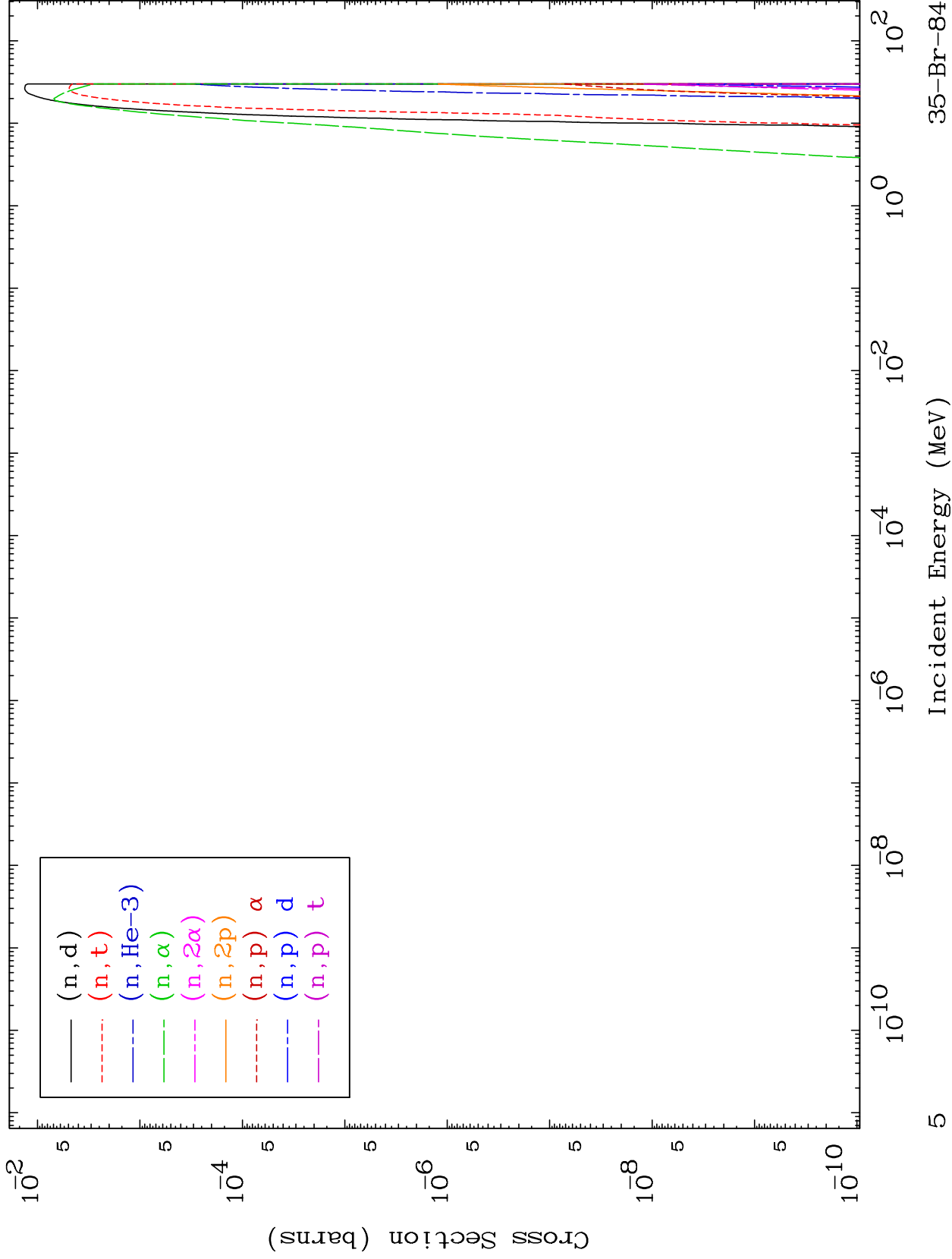
Incident Energy (MeV)

35-Br-84

MAT 3541

Charged Particle
293 Kelvin Cross Sections

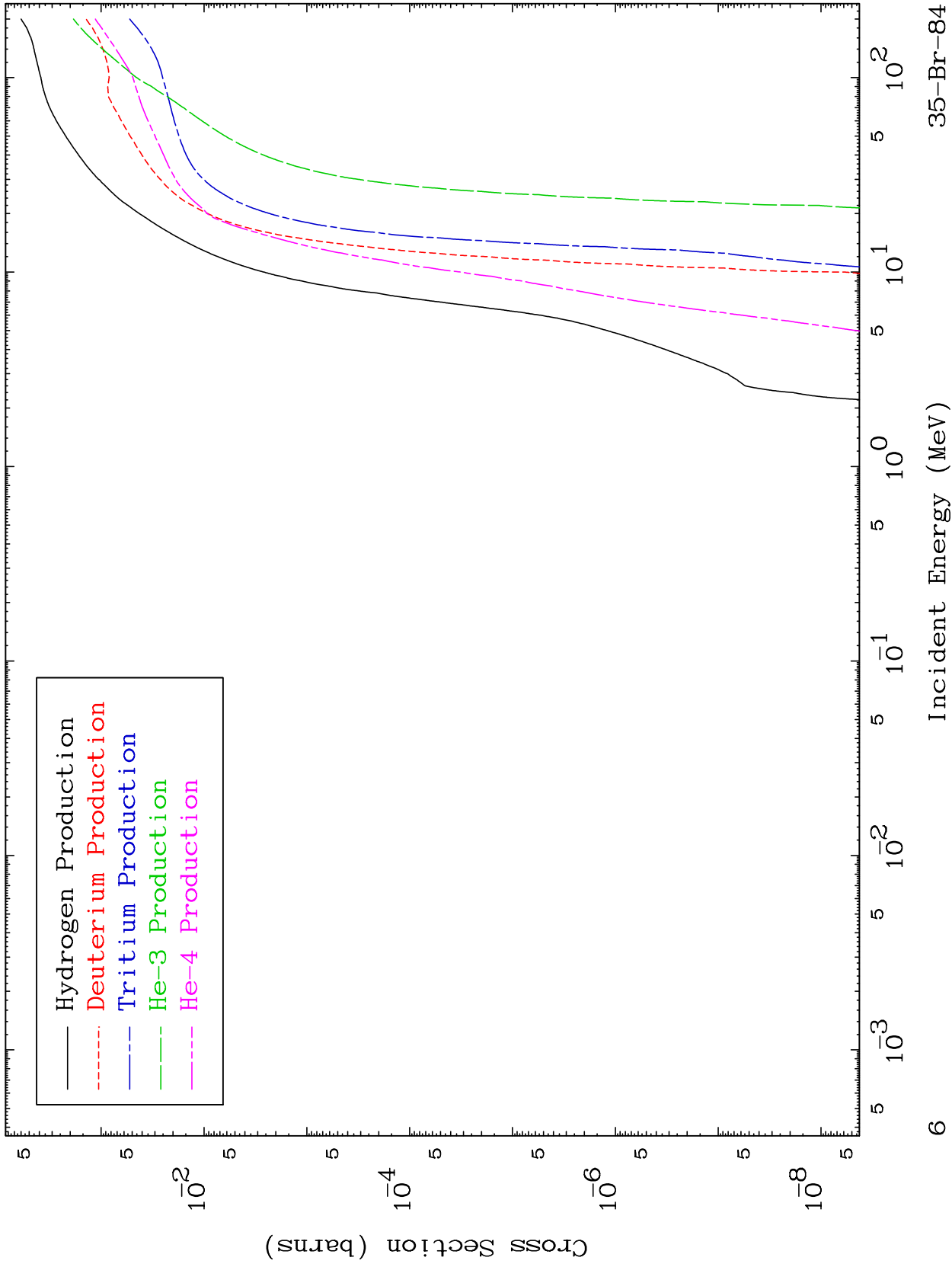
35-Br-84



MAT 3541

Particle Production
293 Kelvin Cross Sections

35-Br-84



6

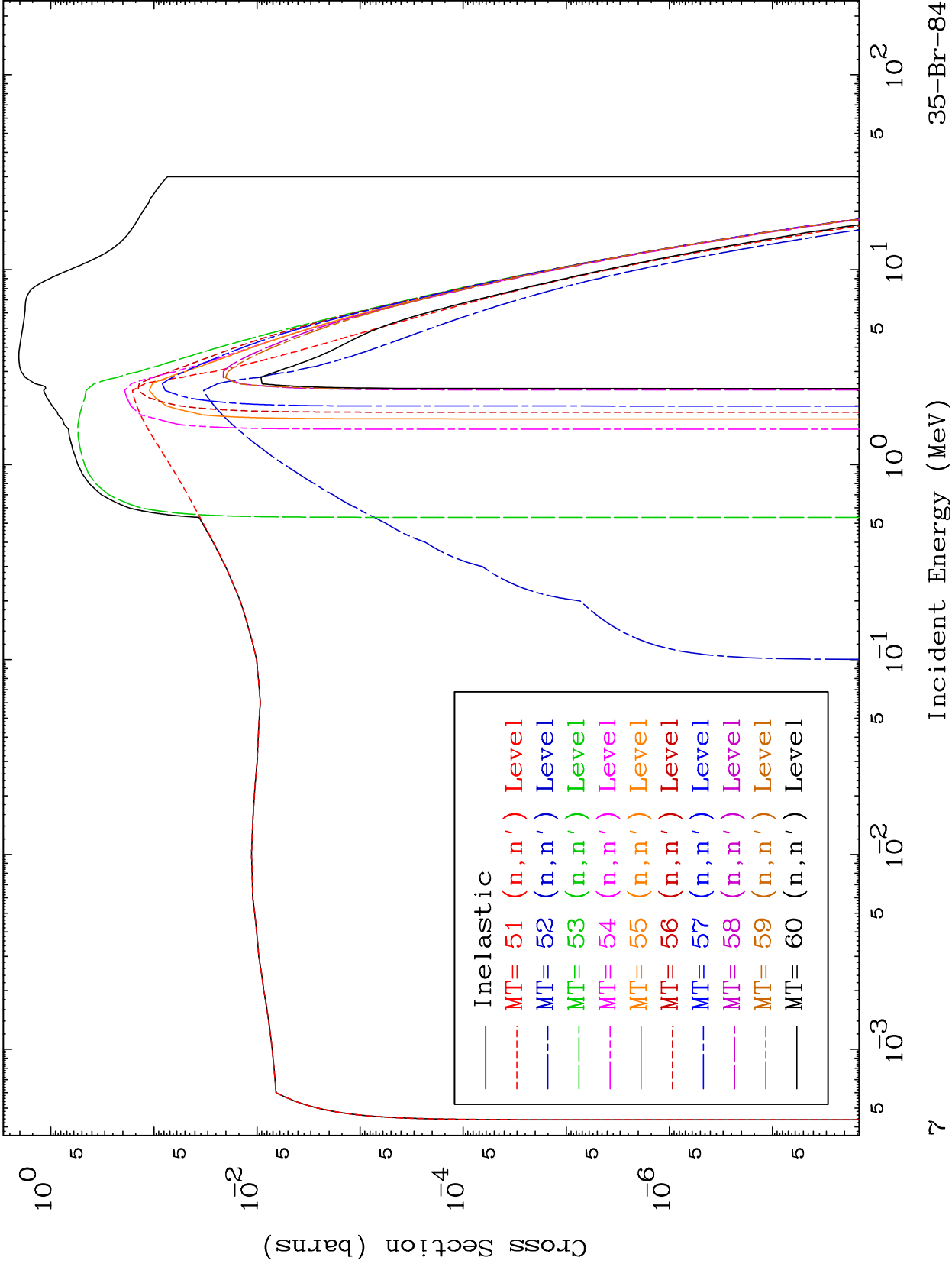
Incident Energy (MeV)

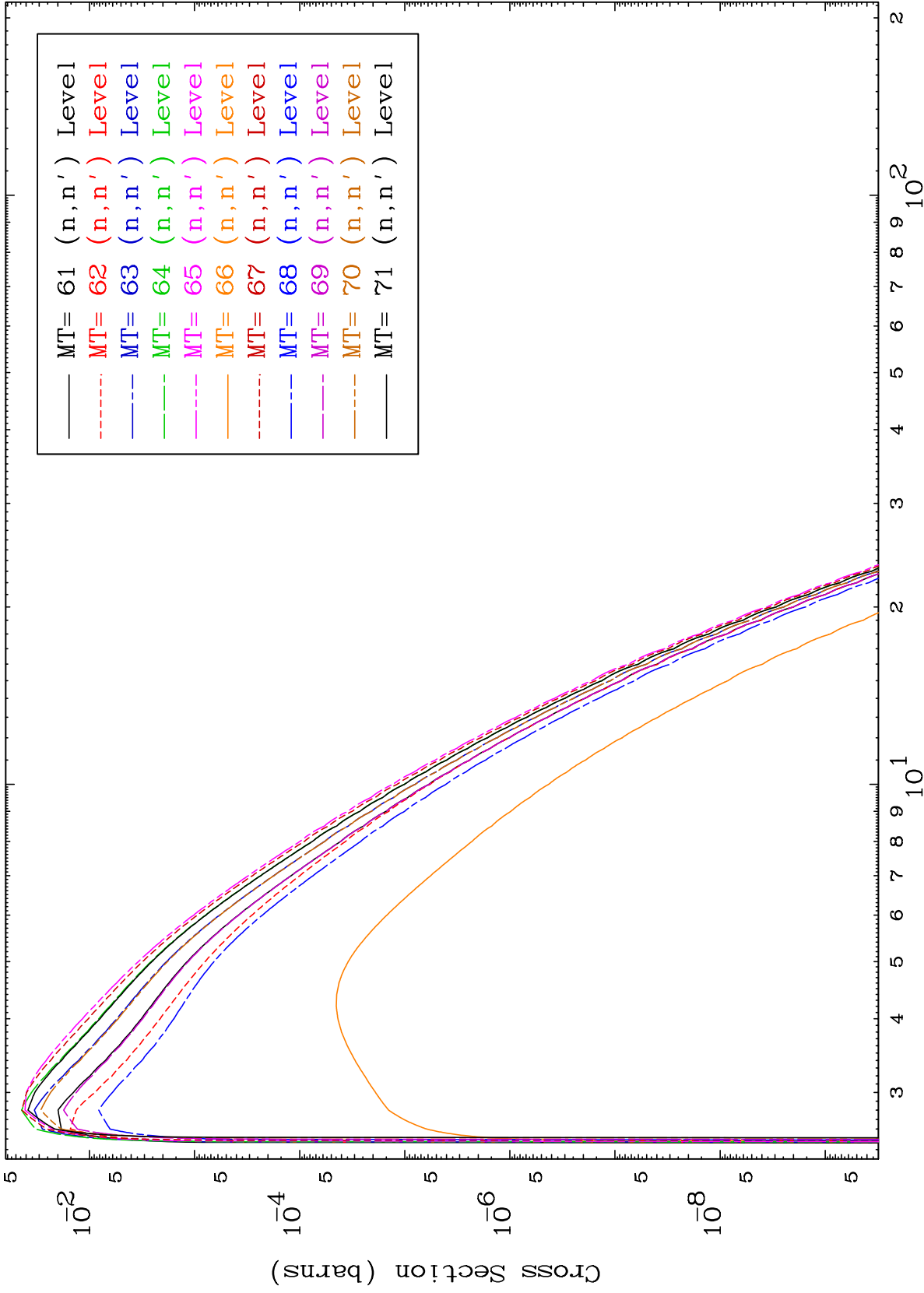
35-Br-84

MAT 3541

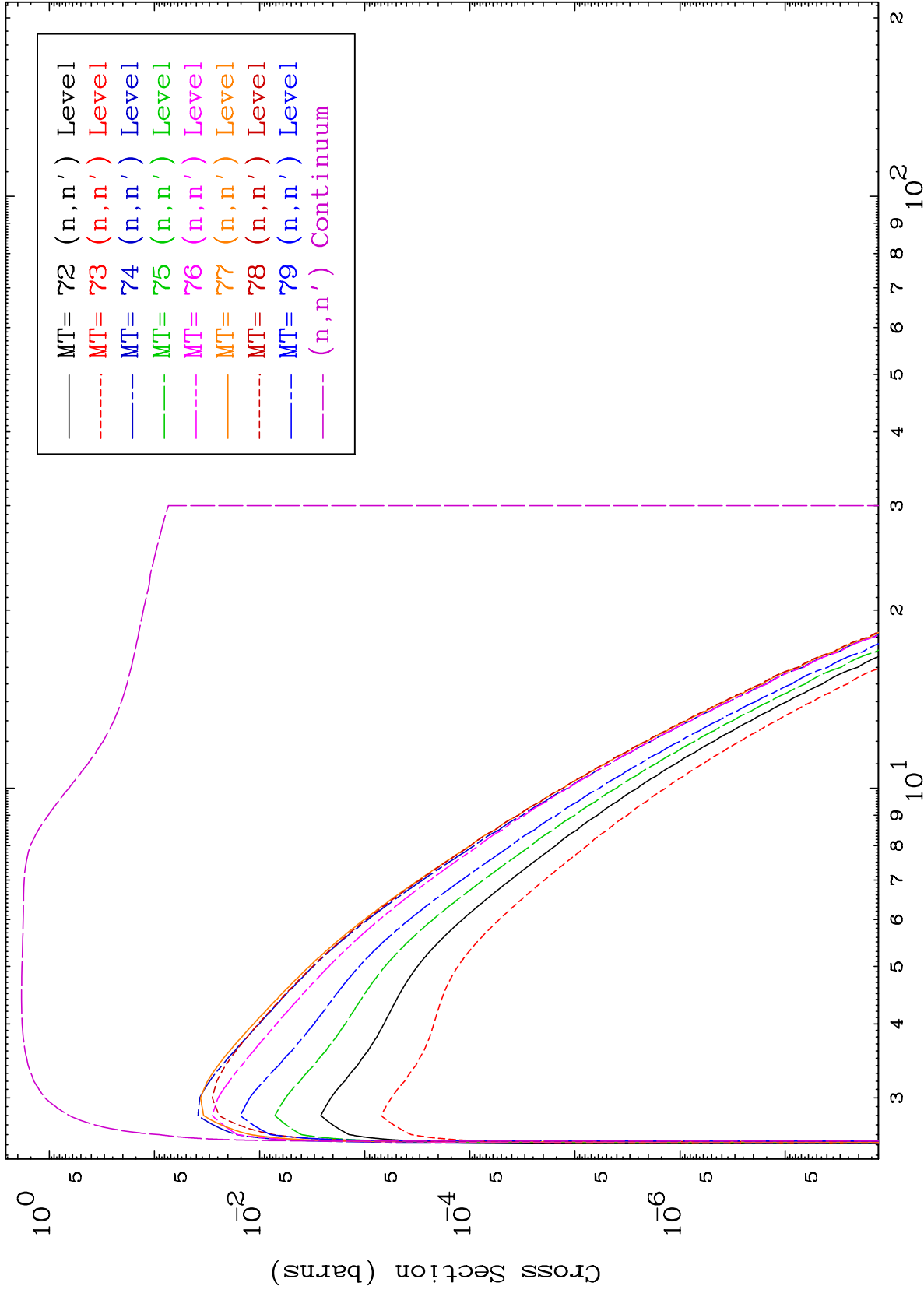
293 Kelvin Cross Sections
(n,n') Level

35-Br-84





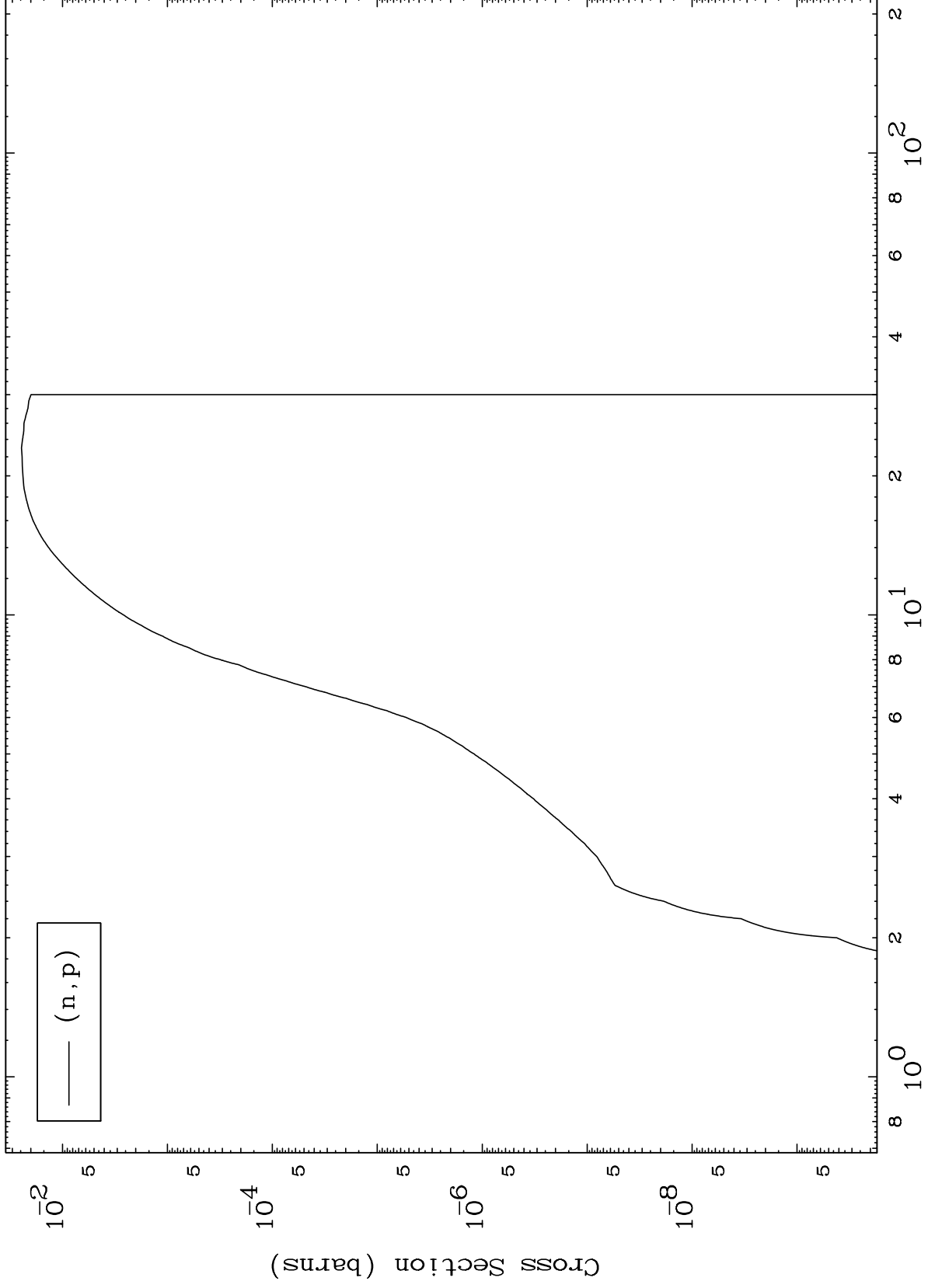
293 Kelvin Cross Sections



MAT 3541

(n,p) Levels
293 Kelvin Cross Sections

35-Br-84



10

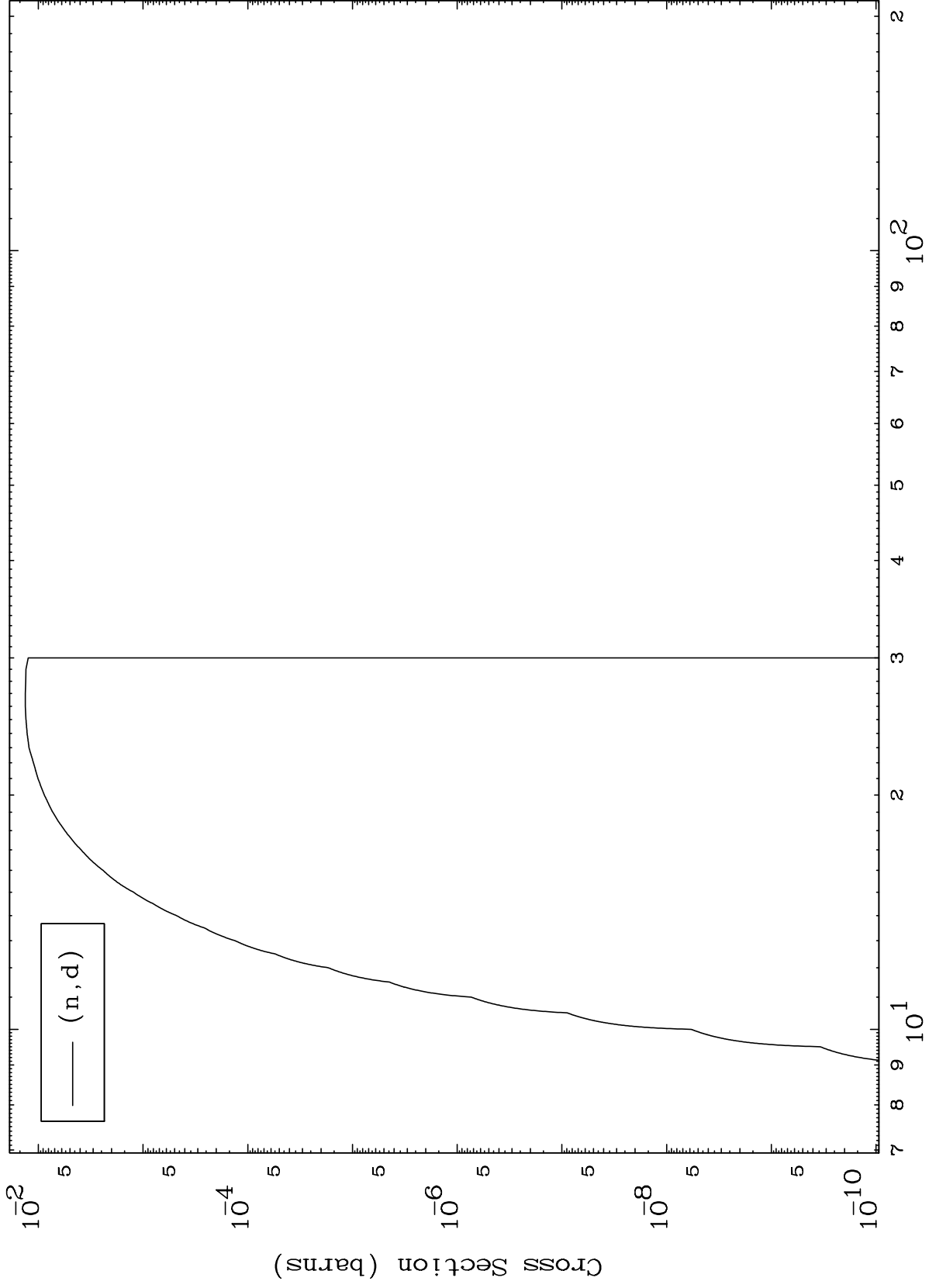
Incident Energy (MeV)

35-Br-84

MAT 3541

(n,d) Levels
293 Kelvin Cross Sections

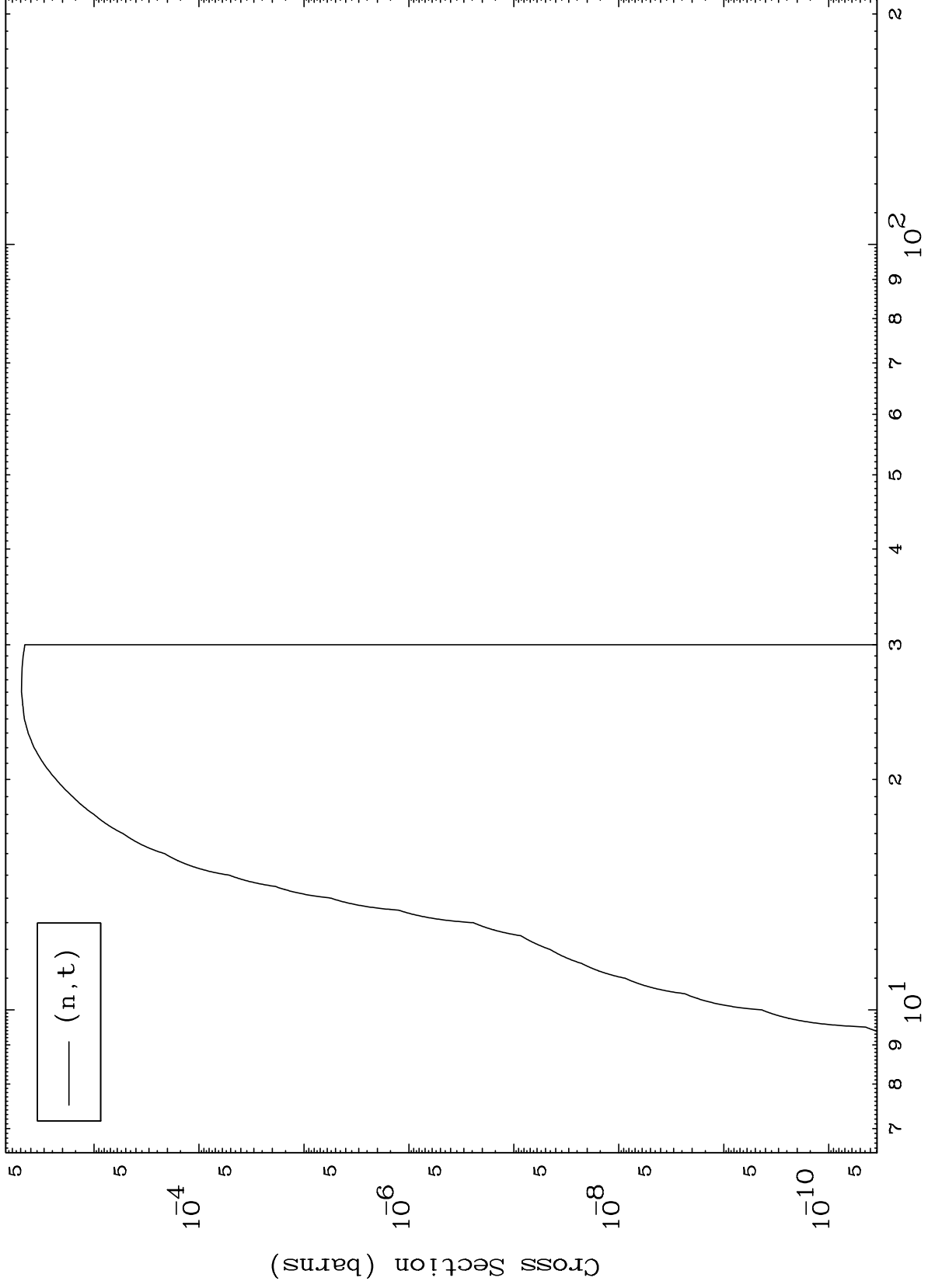
35-Br-84



MAT 3541

(n,t) Levels
293 Kelvin Cross Sections

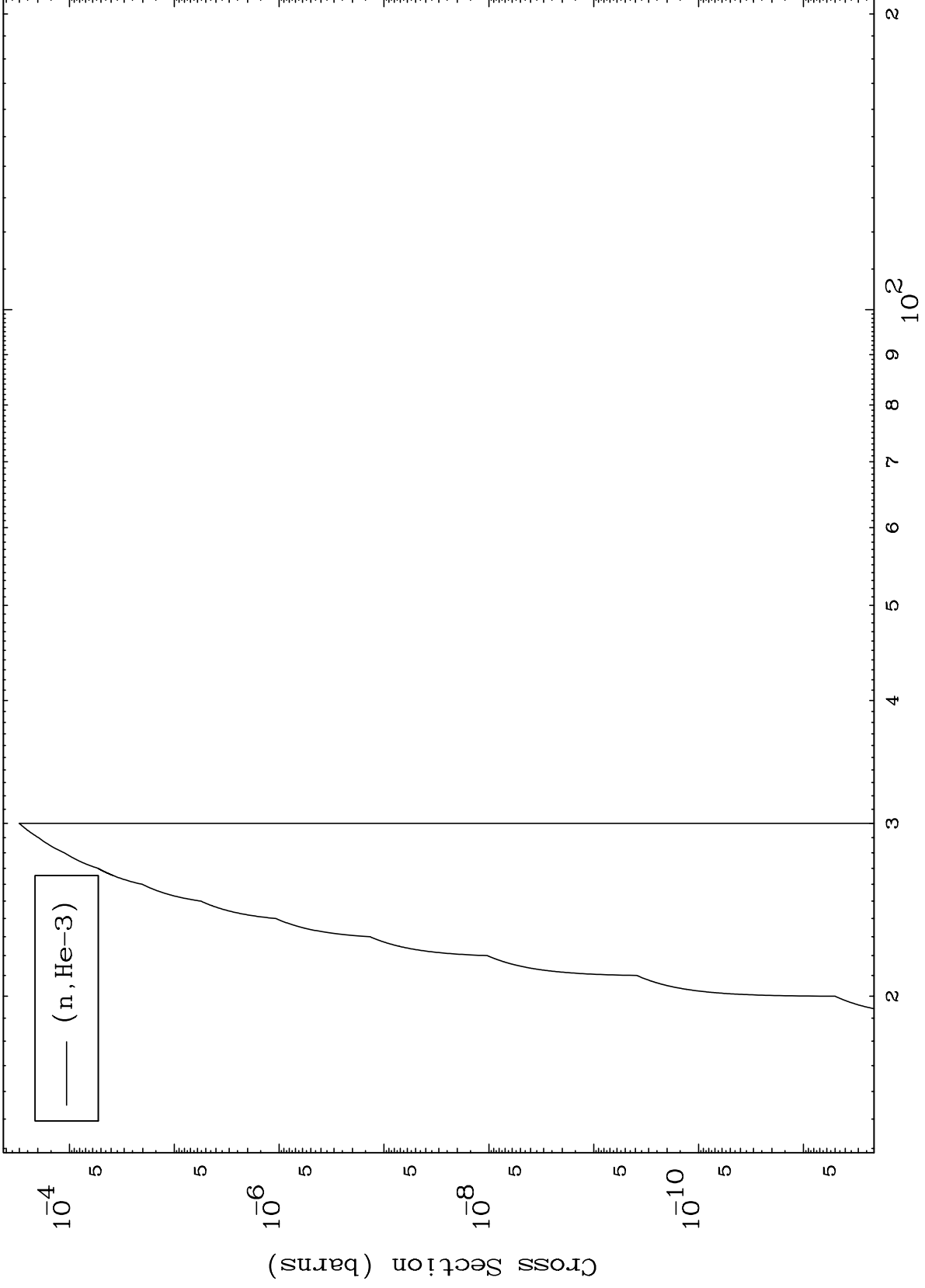
35-Br-84



12

Incident Energy (MeV)

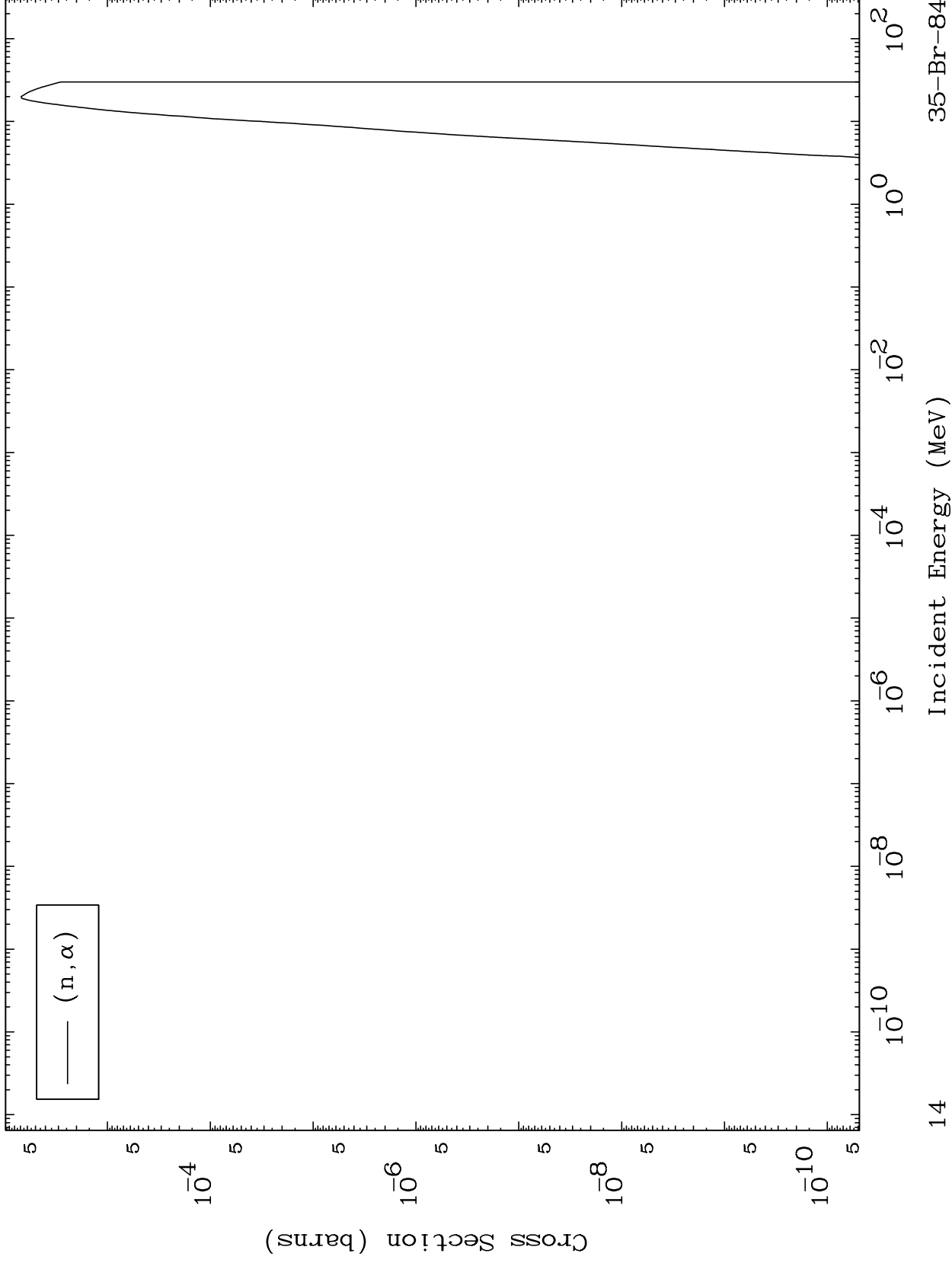
35-Br-84

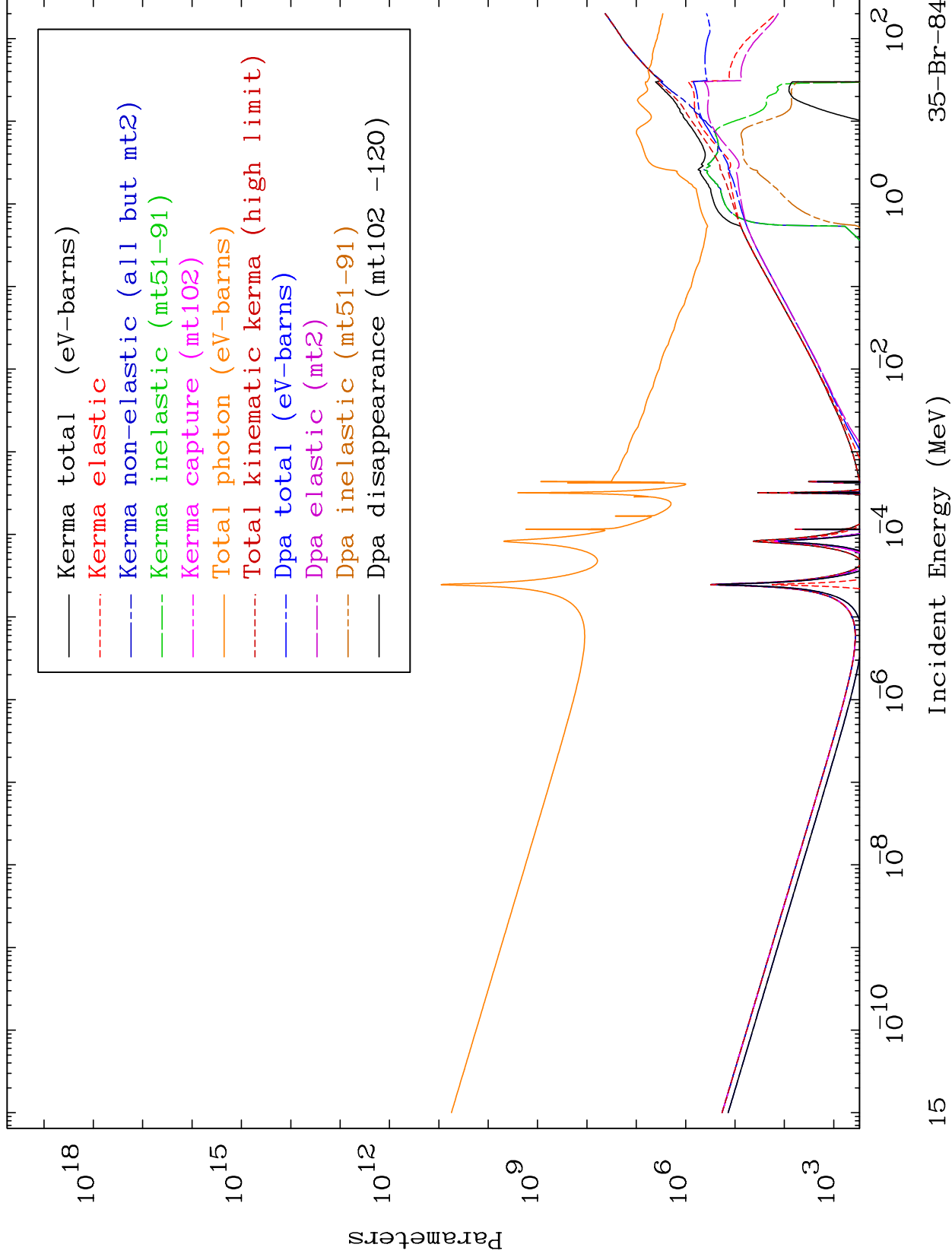


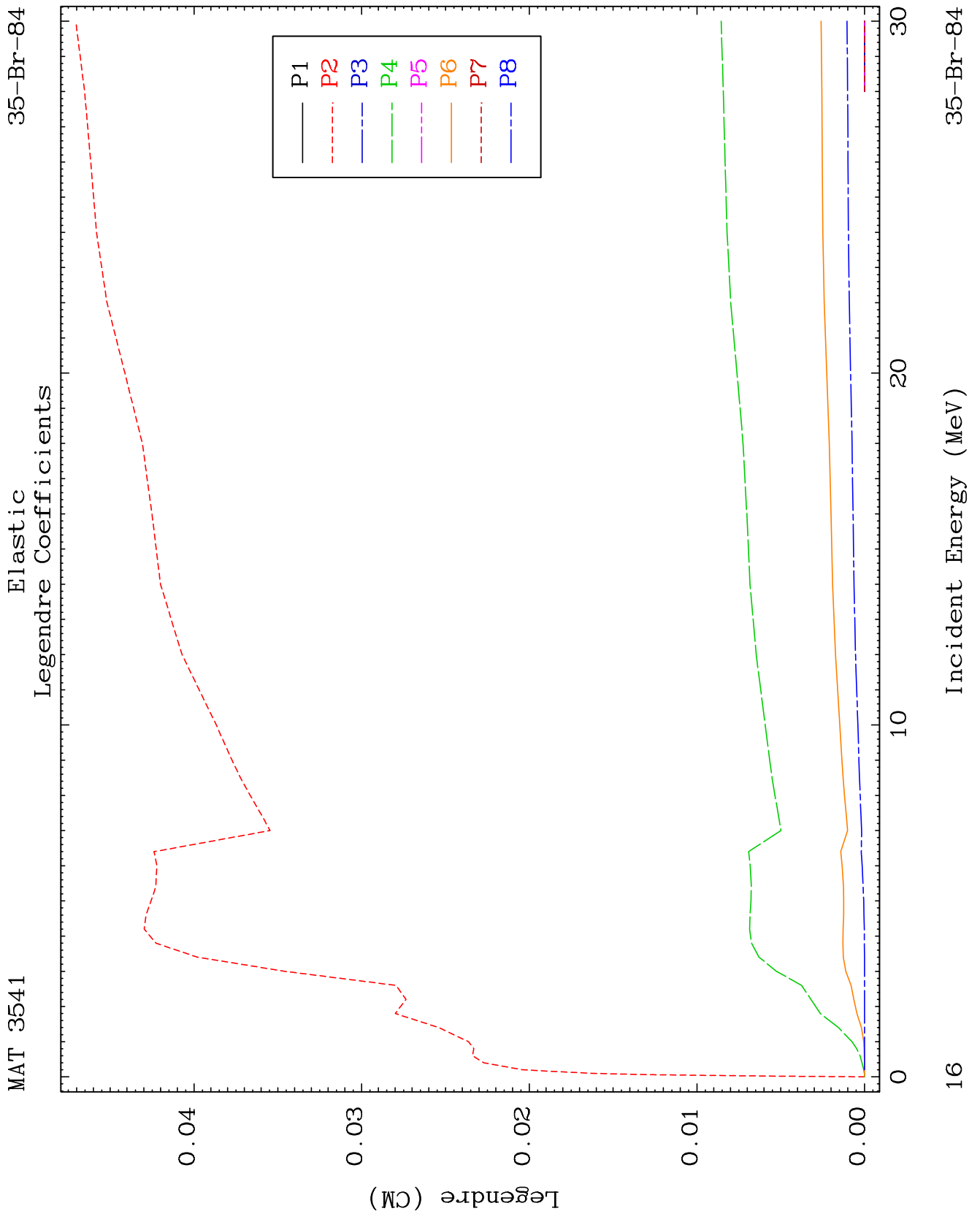
MAT 3541

(n, α) Levels
293 Kelvin Cross Sections

35-Br-84



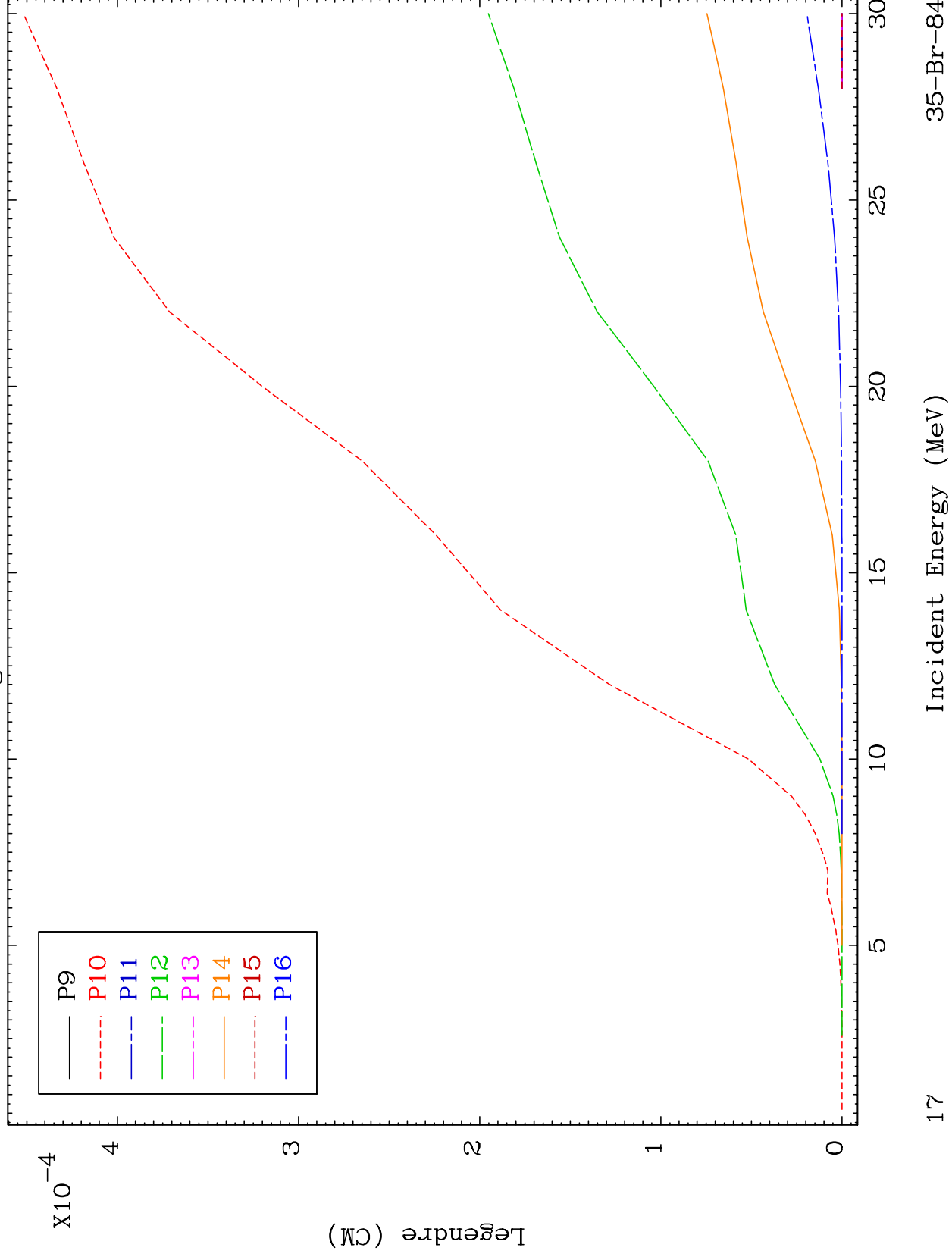




MAT 3541

Elastic Legendre Coefficients

³⁵Br-84



17

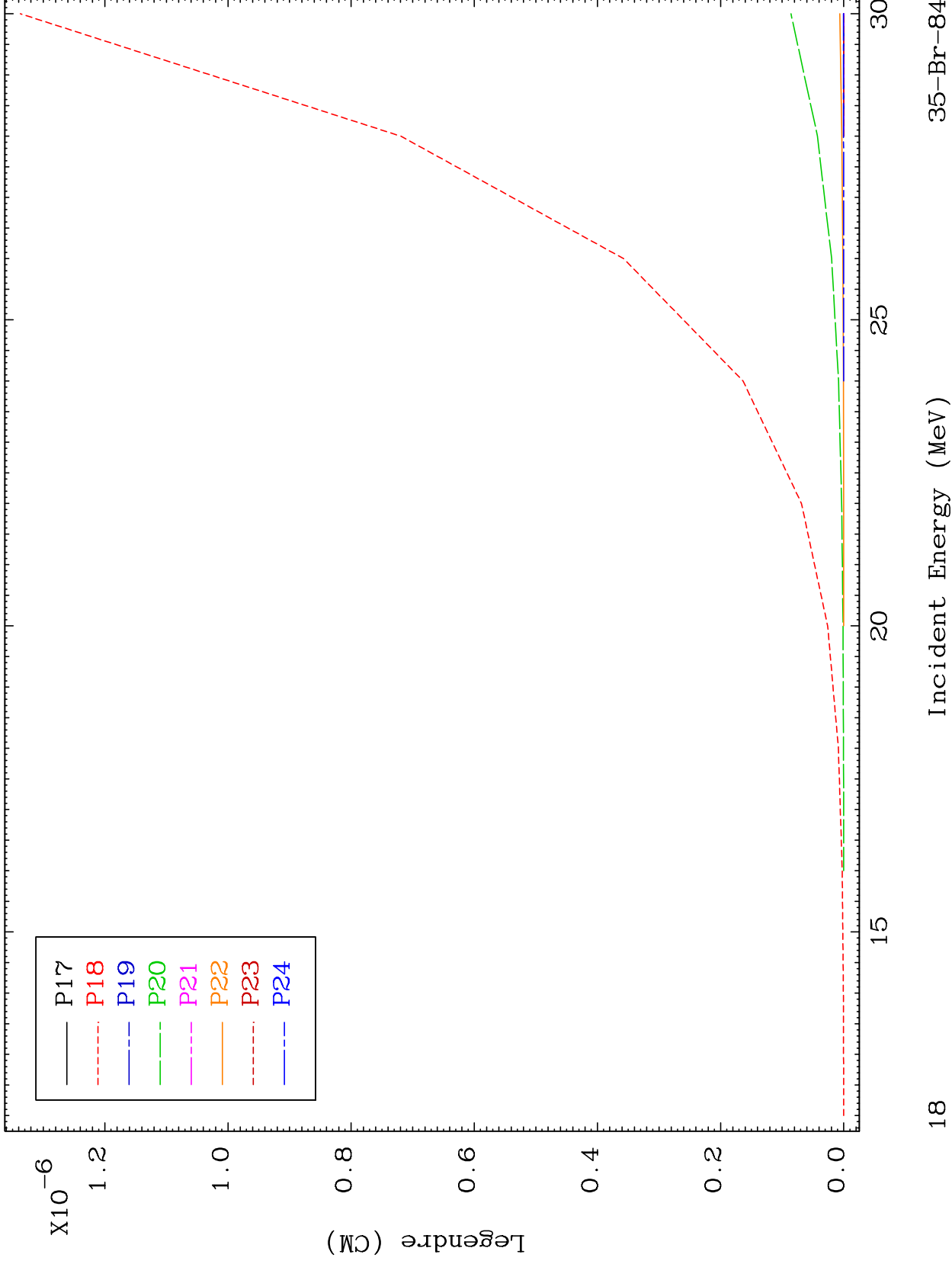
Incident Energy (MeV)

³⁵Br-84

MAT 3541

Elastic Legendre Coefficients

35-Br-84



18

Incident Energy (MeV)

35-Br-84

30

25

20

15

$\times 10^{-6}$

1.2

1.0

0.8

0.6

0.4

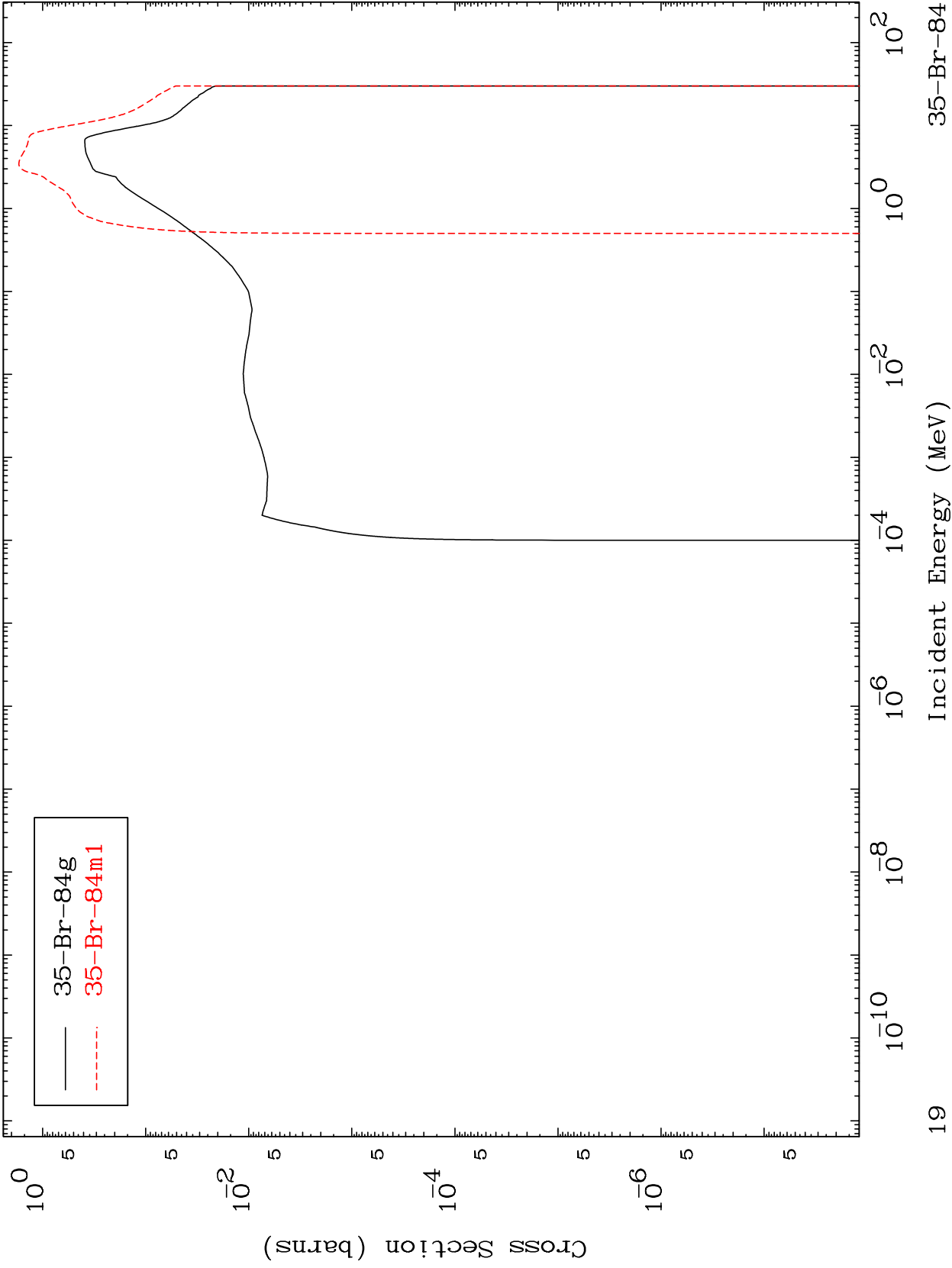
0.2

0.0

MAT 3541

35-Br-84

Inelastic
Radionuclide Production Cross Section

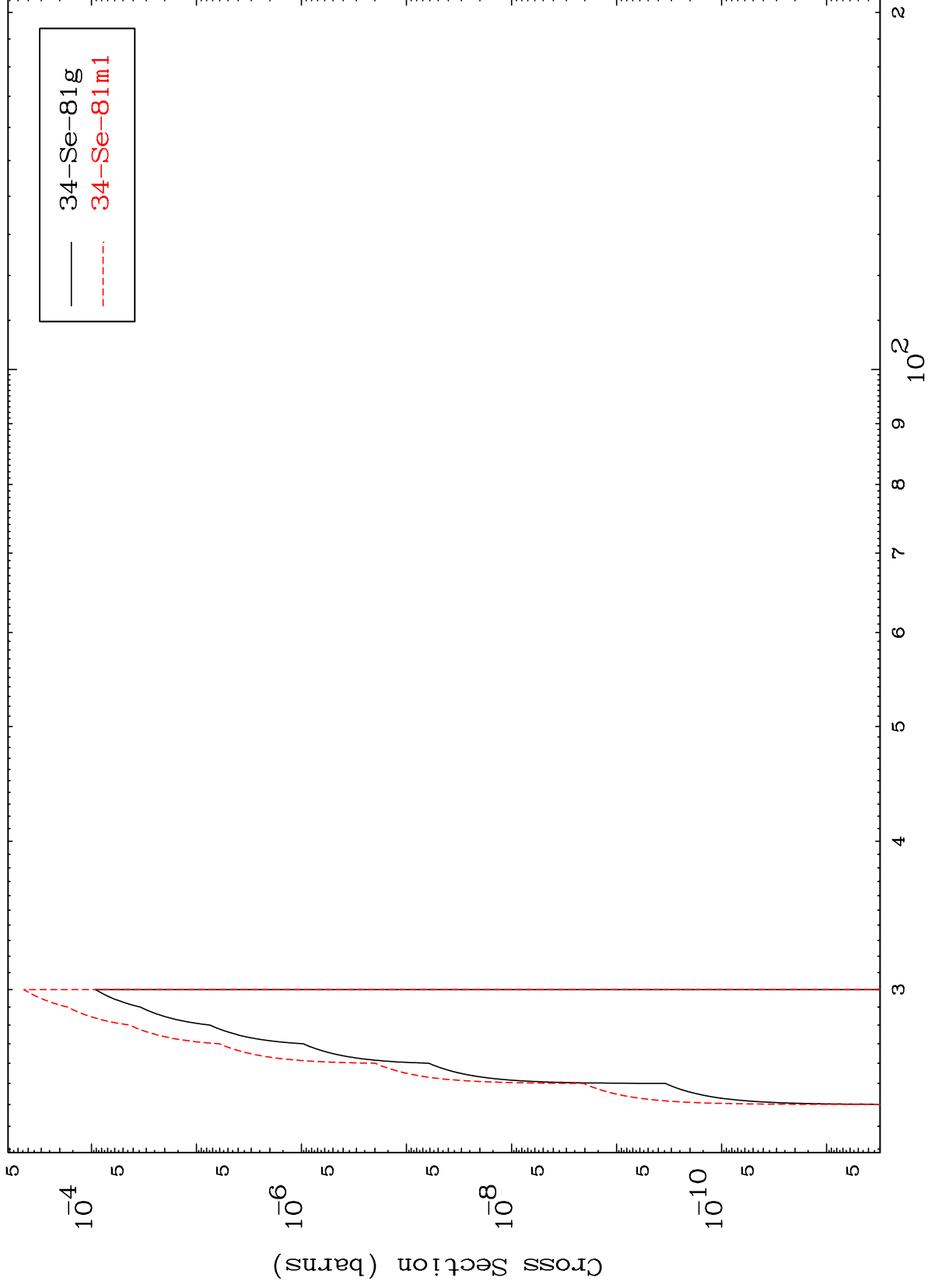


MAT 3541

(n,2n) d

35-Br-84

Radionuclide Production Cross Section



20

Incident Energy (MeV)

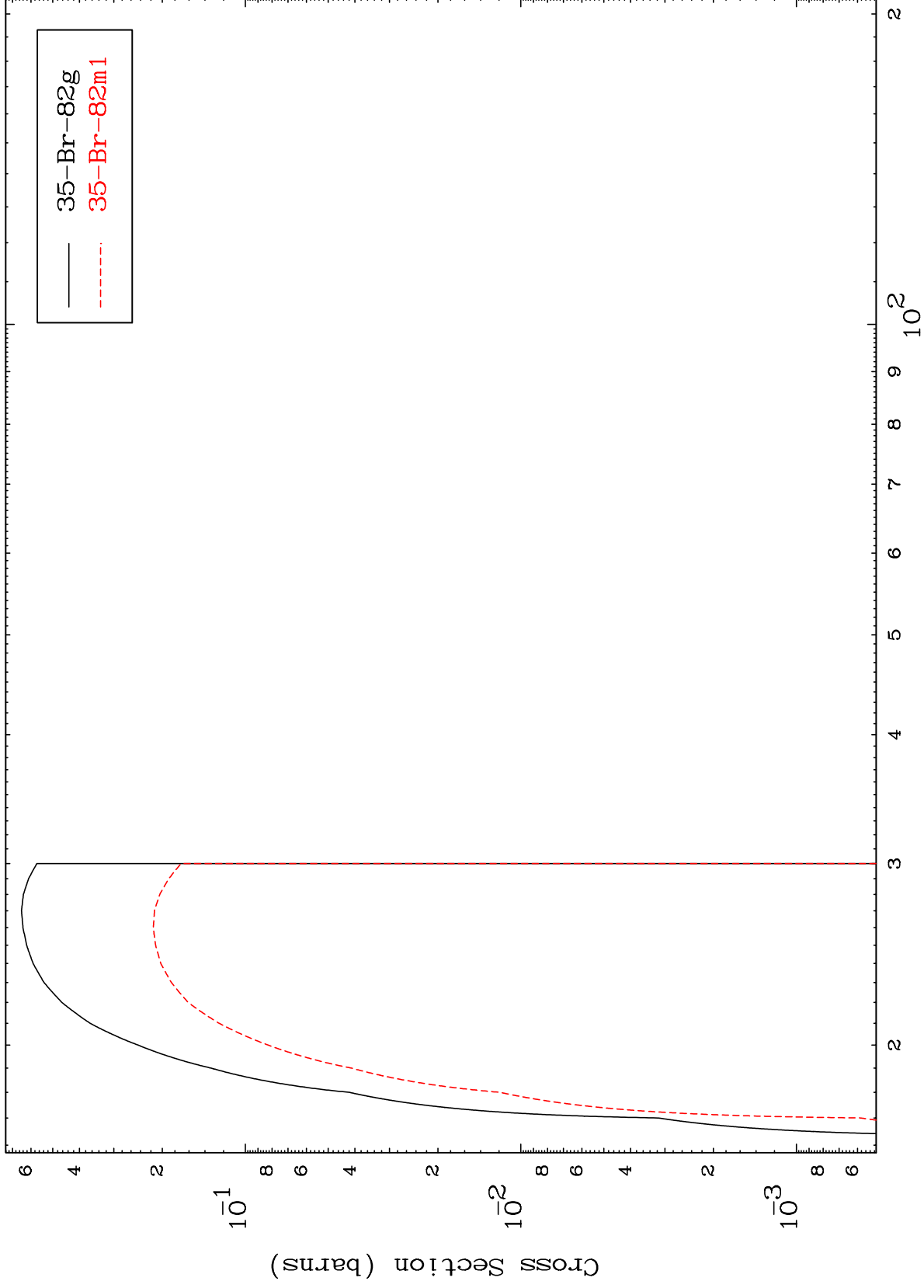
35-Br-84

MAT 3541

(n,3n)

35-Br-84

Radionuclide Production Cross Section



21

Incident Energy (MeV)

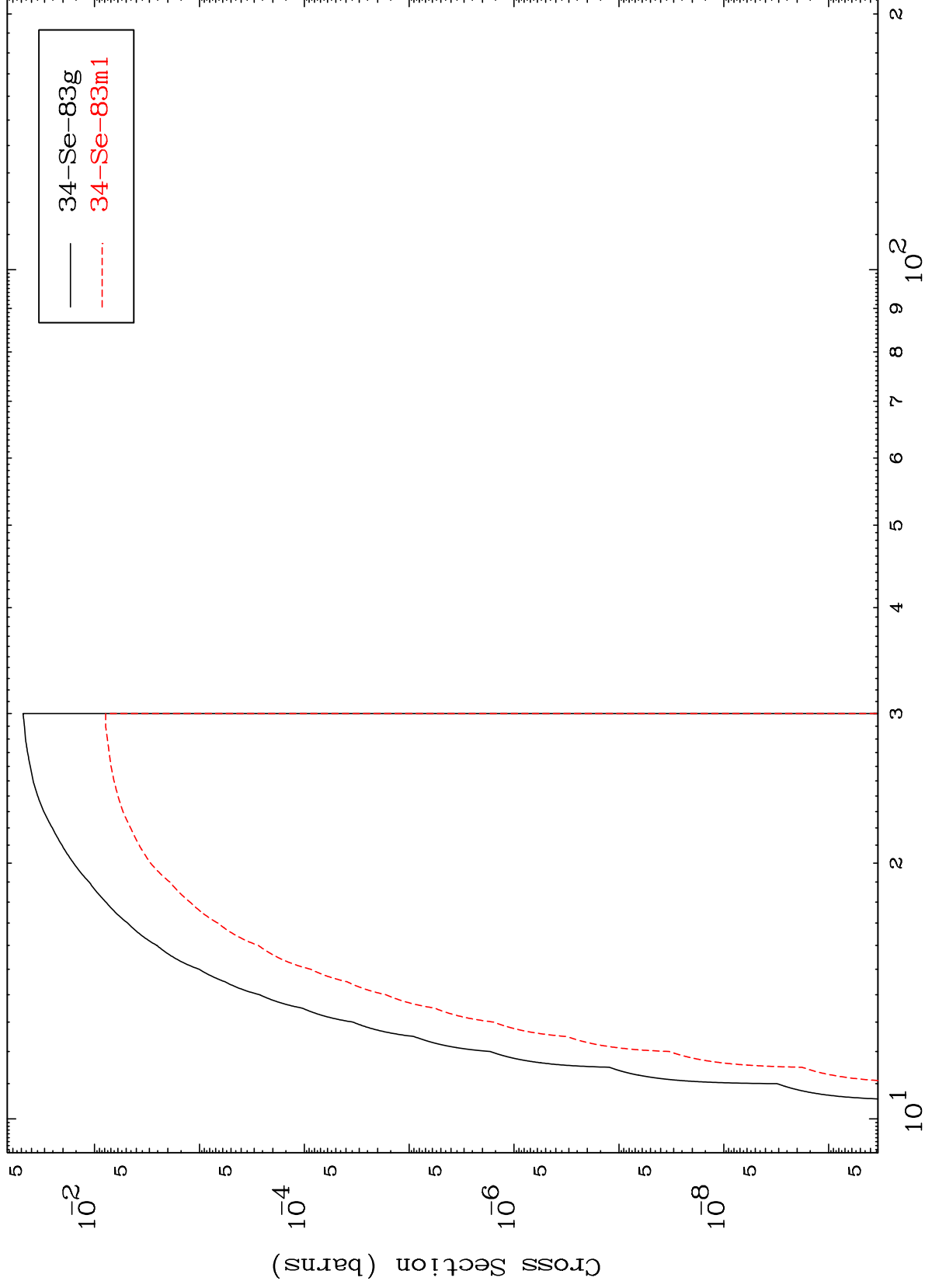
35-Br-84

MAT 3541

(n,n') p

35-Br-84

Radionuclide Production Cross Section



Incident Energy (MeV)

35-Br-84

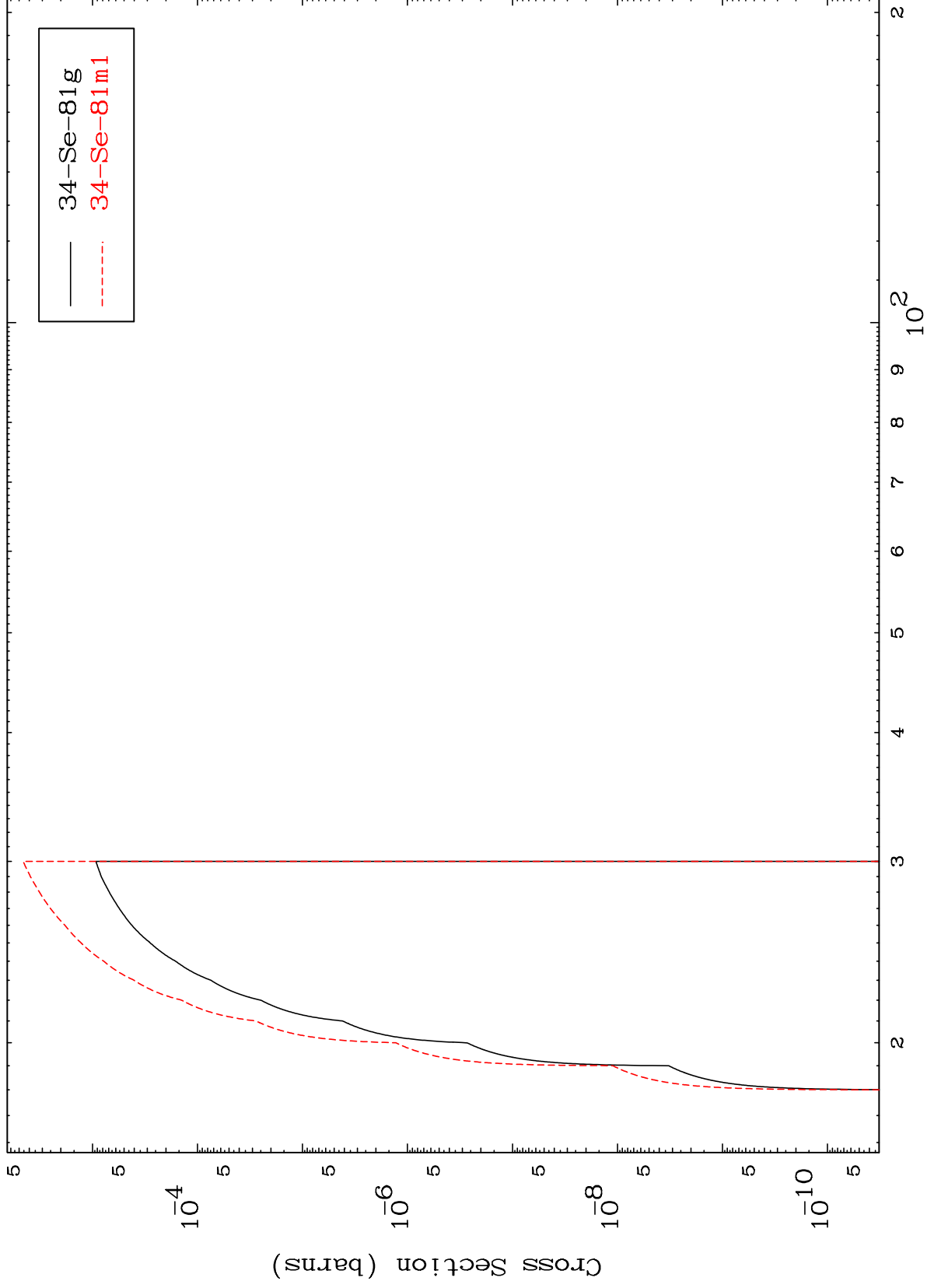
22

MAT 3541

(n,n') t

35-Br-84

Radionuclide Production Cross Section



23

Incident Energy (MeV)

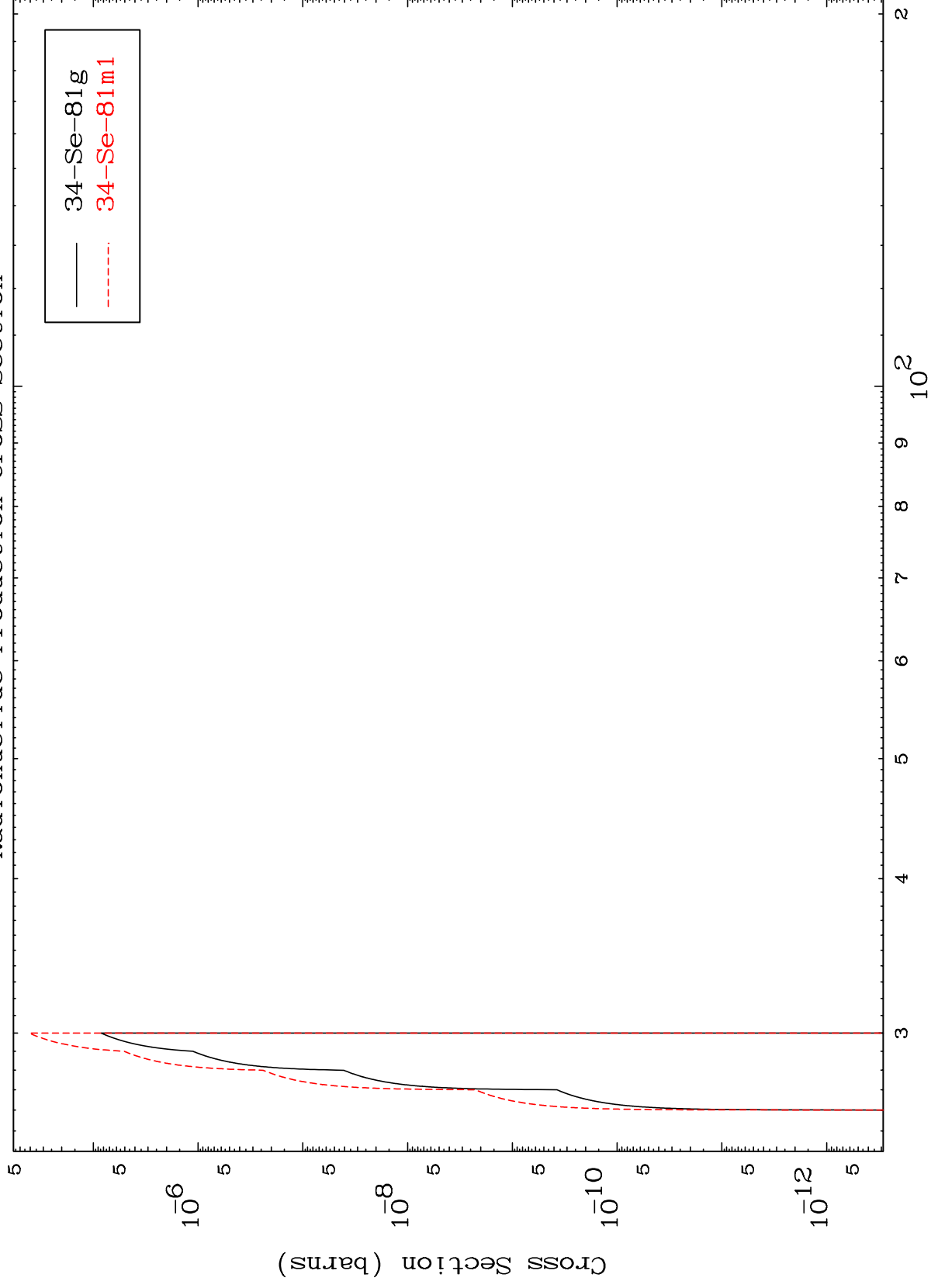
35-Br-84

MAT 3541

(n,3n) p

35-Br-84

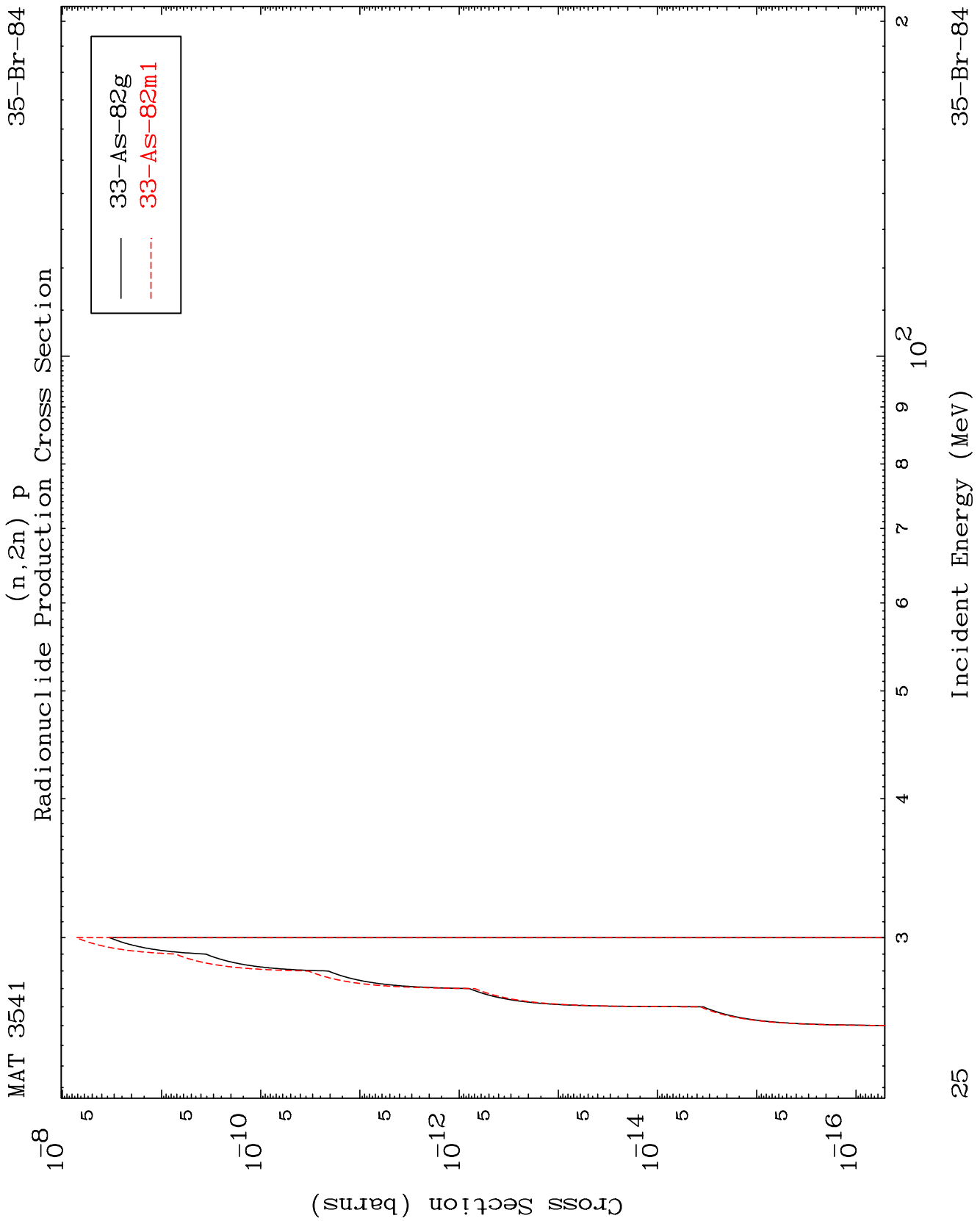
Radionuclide Production Cross Section



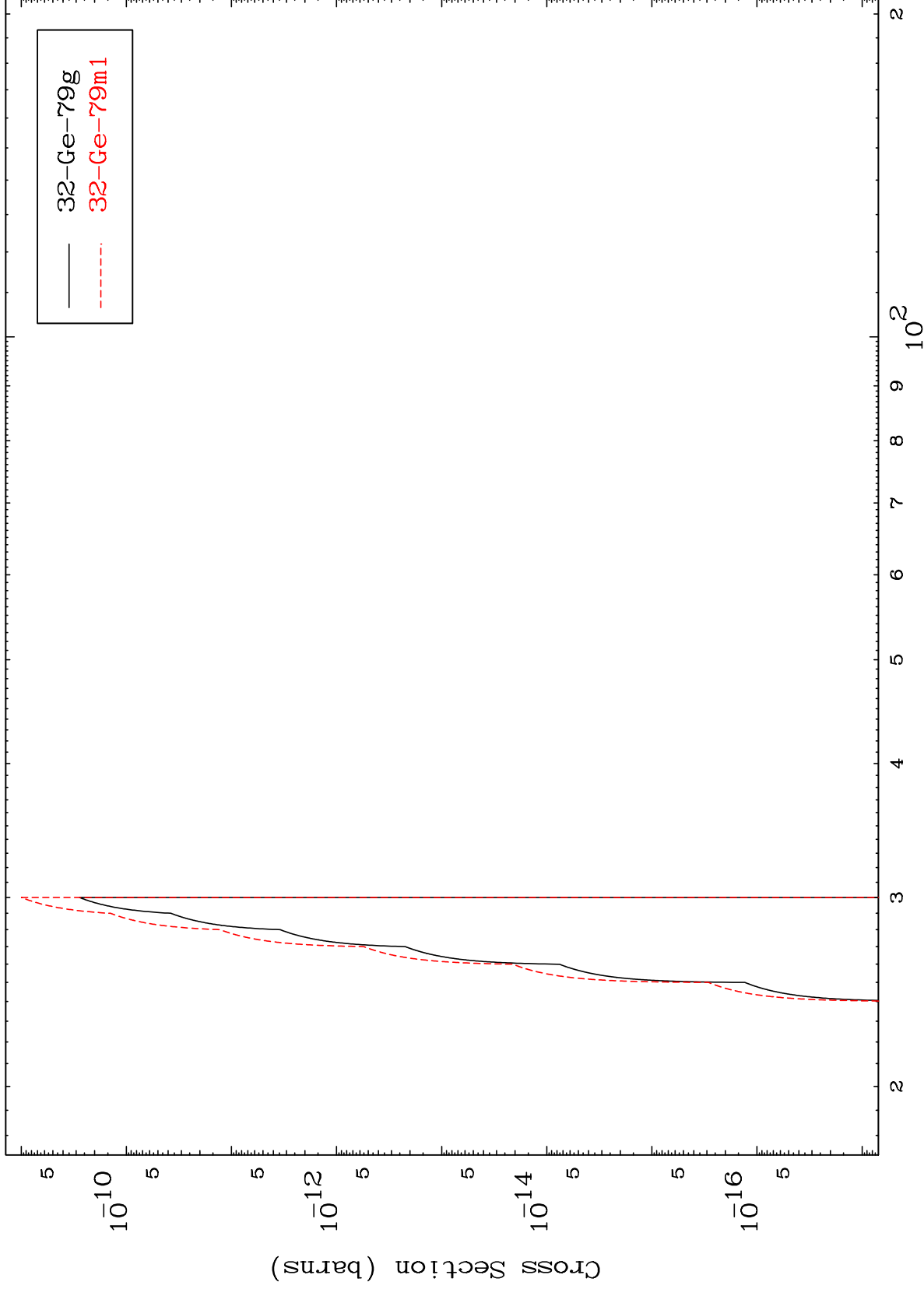
24

Incident Energy (MeV)

35-Br-84



Radionuclide Production Cross Section

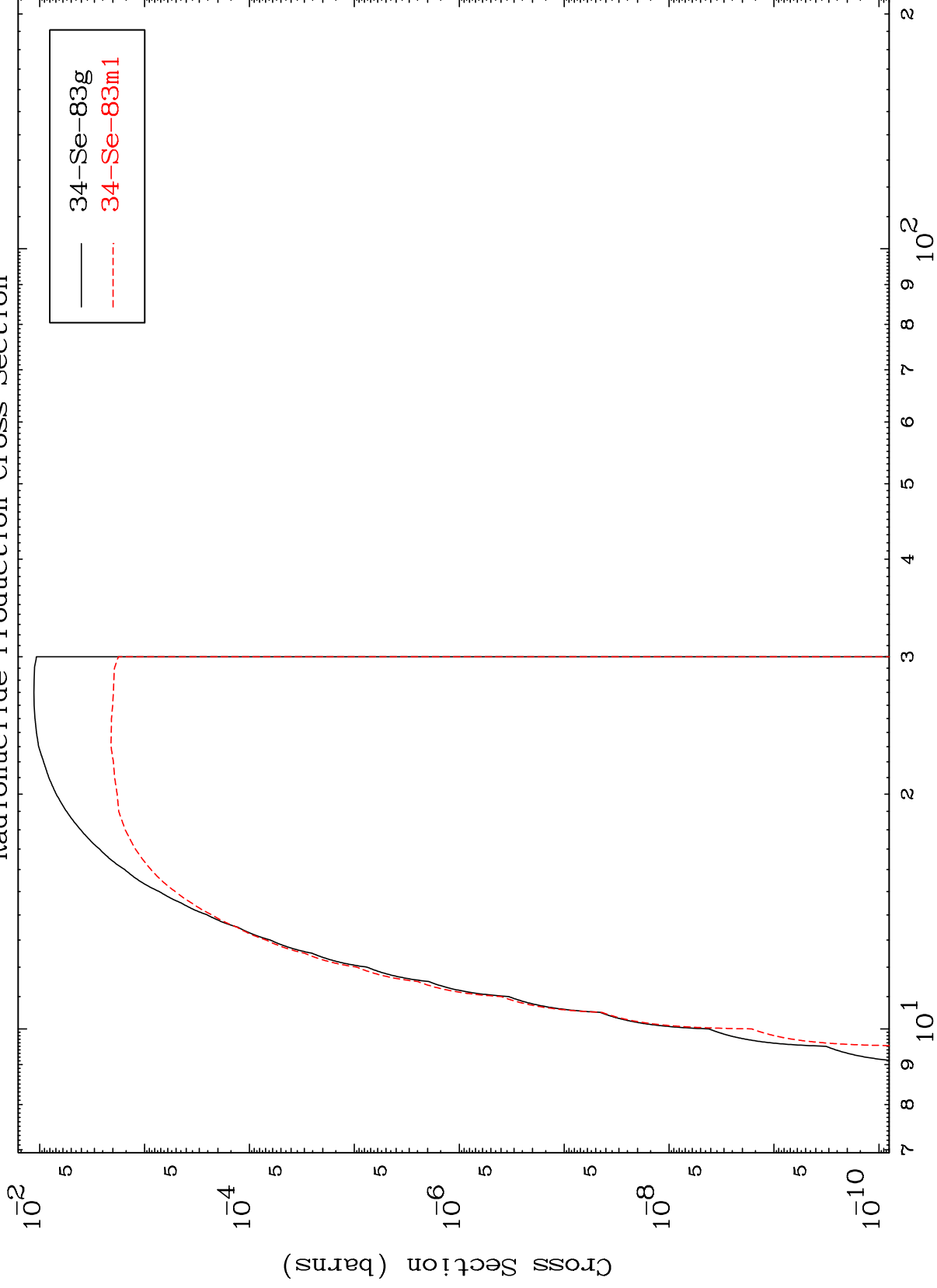


MAT 3541

(n,d)

35-Br-84

Radionuclide Production Cross Section

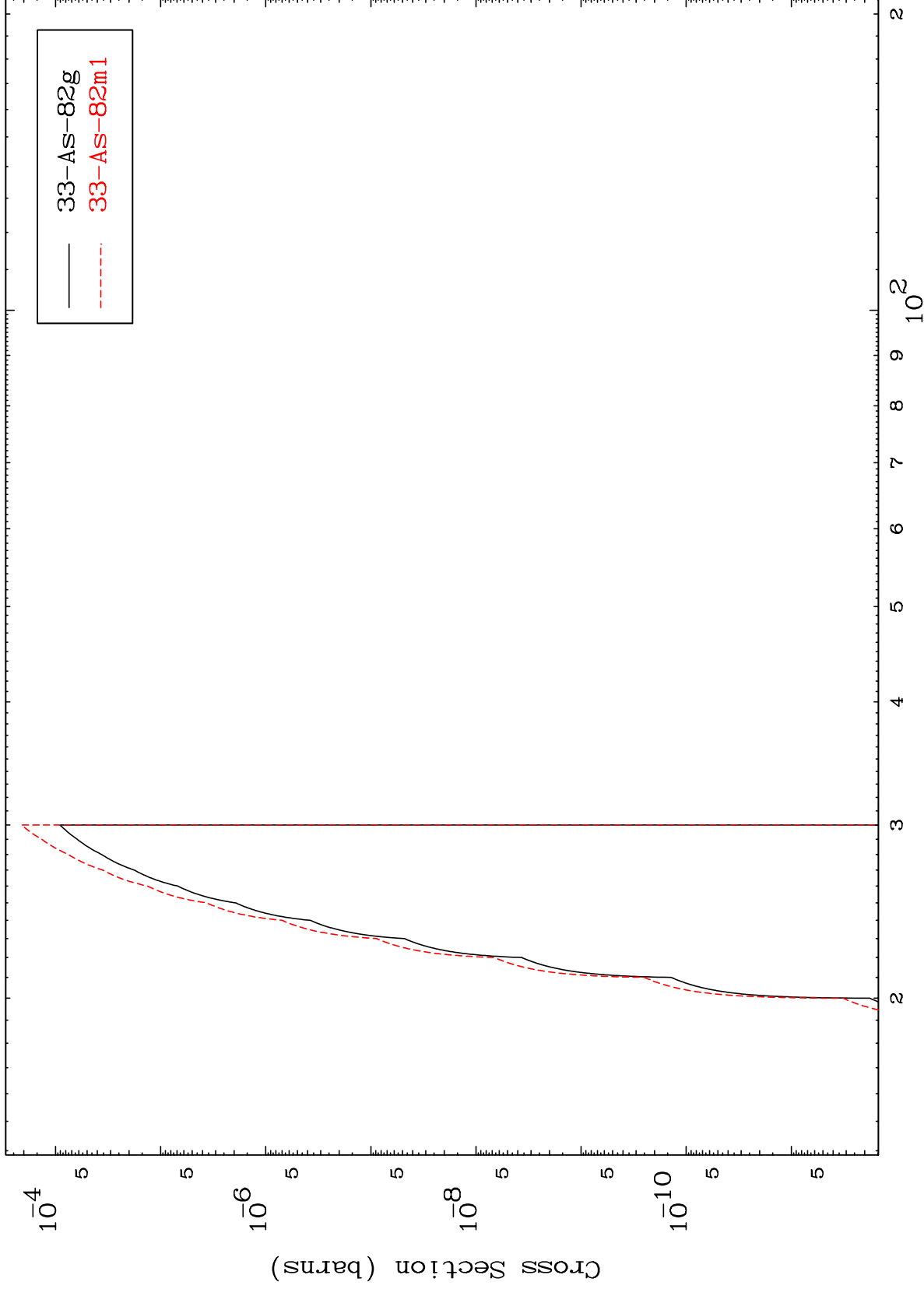


27

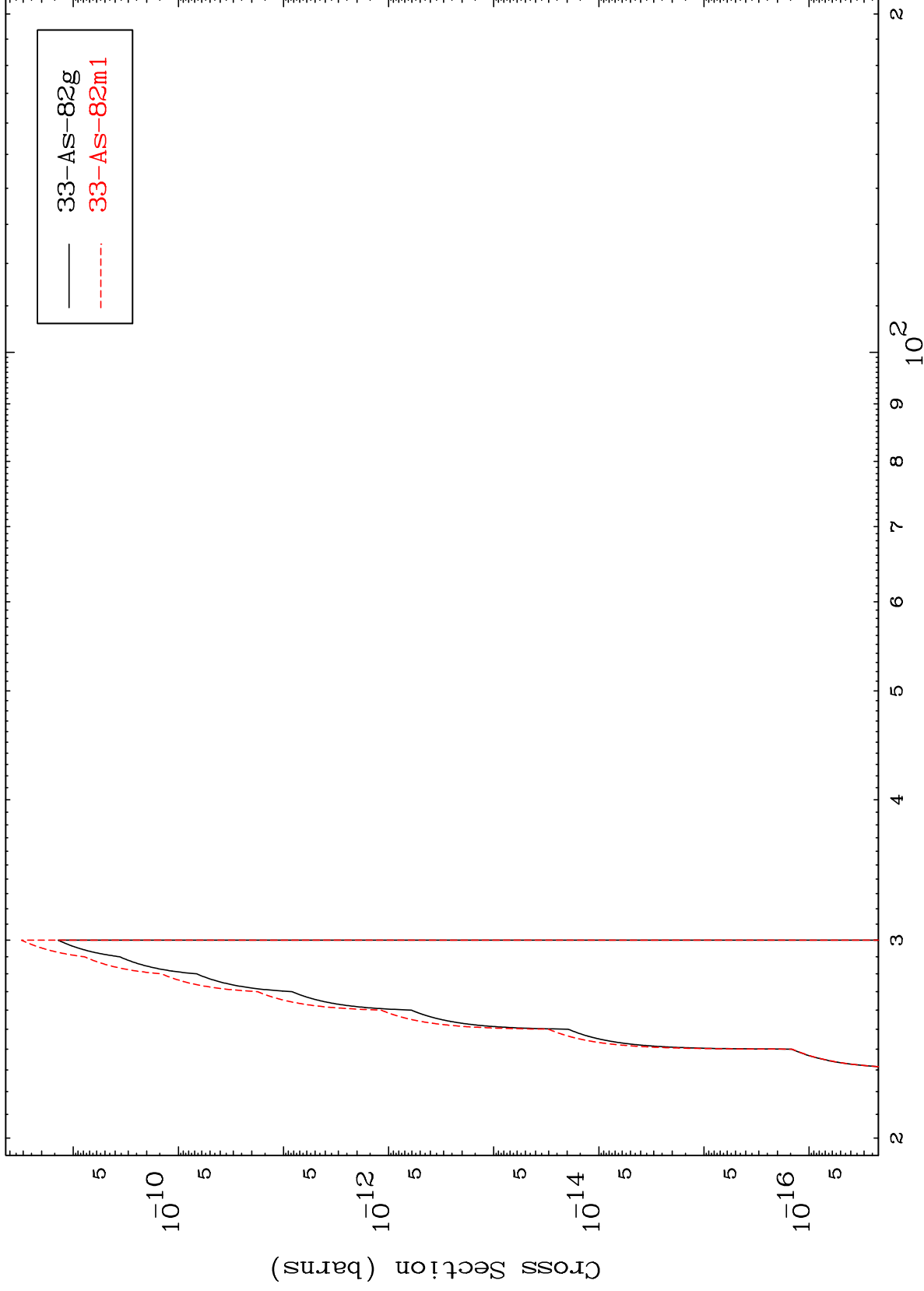
Incident Energy (MeV)

35-Br-84

Radionuclide Production Cross Section



Radionuclide Production Cross Section



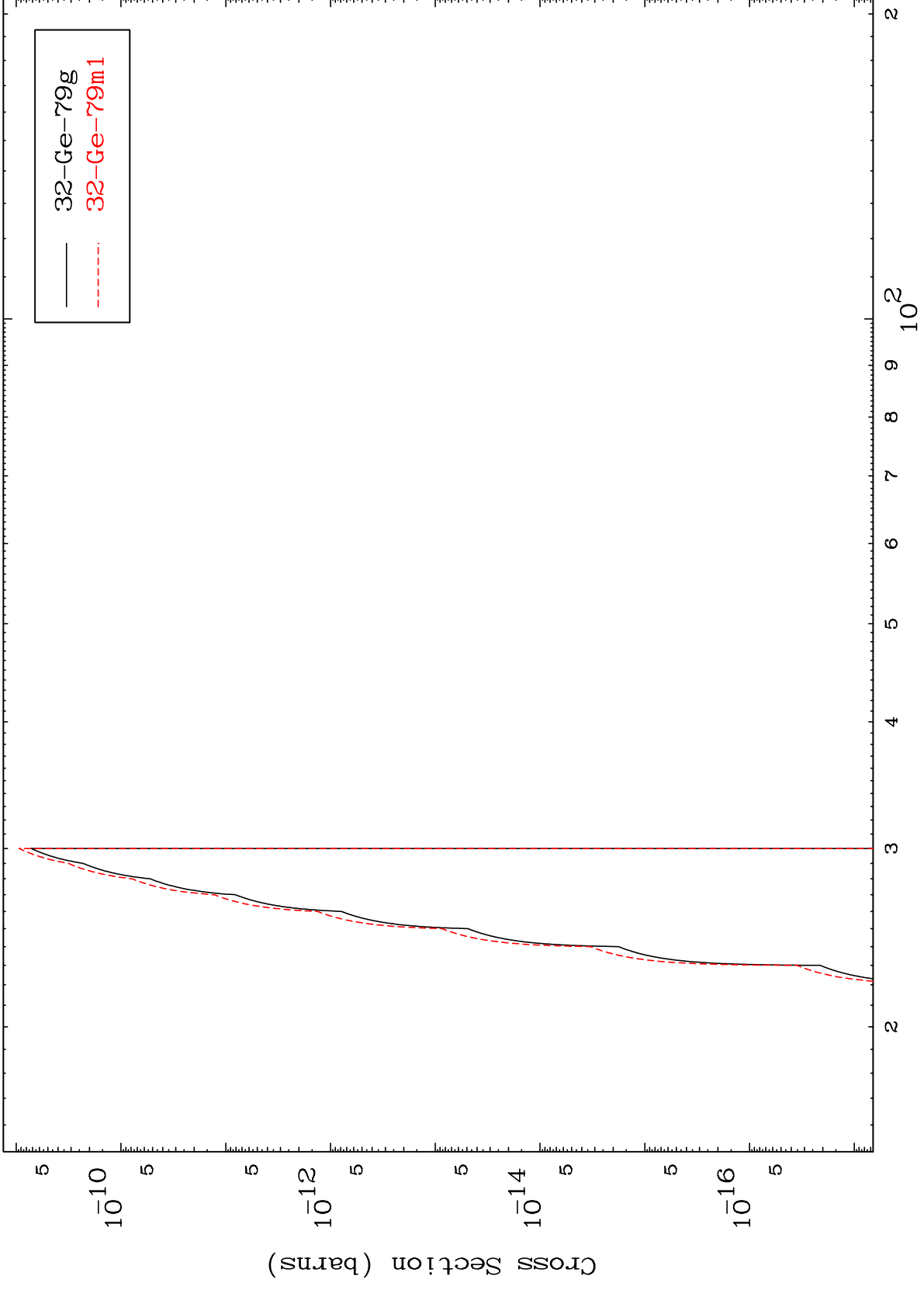
33-As-82g
33-As-82m1

MAT 3541

(n,d) α

35-Br-84

Radionuclide Production Cross Section



30

Incident Energy (MeV)

35-Br-84