

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

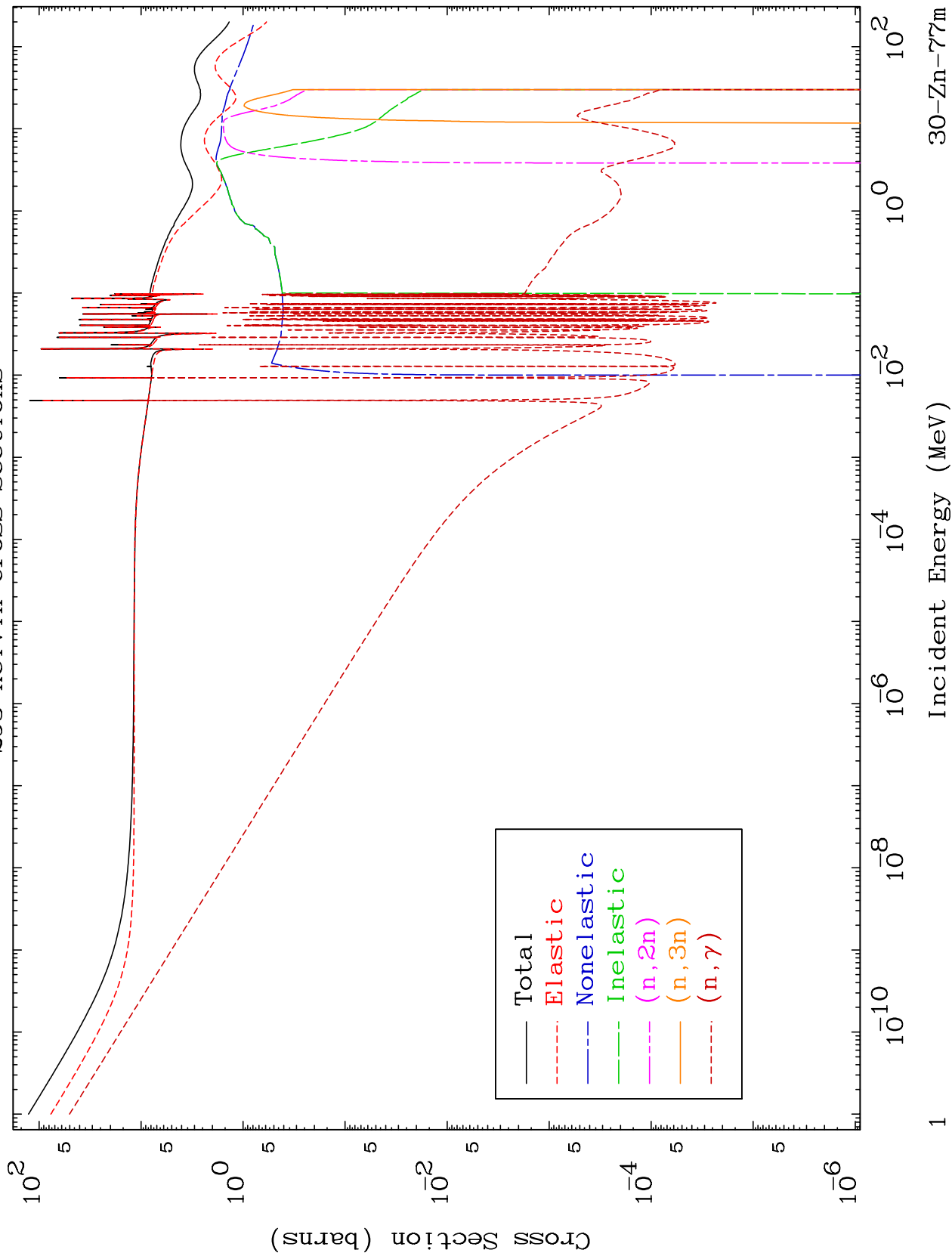
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3065

Neutron Major
293 Kelvin Cross Sections

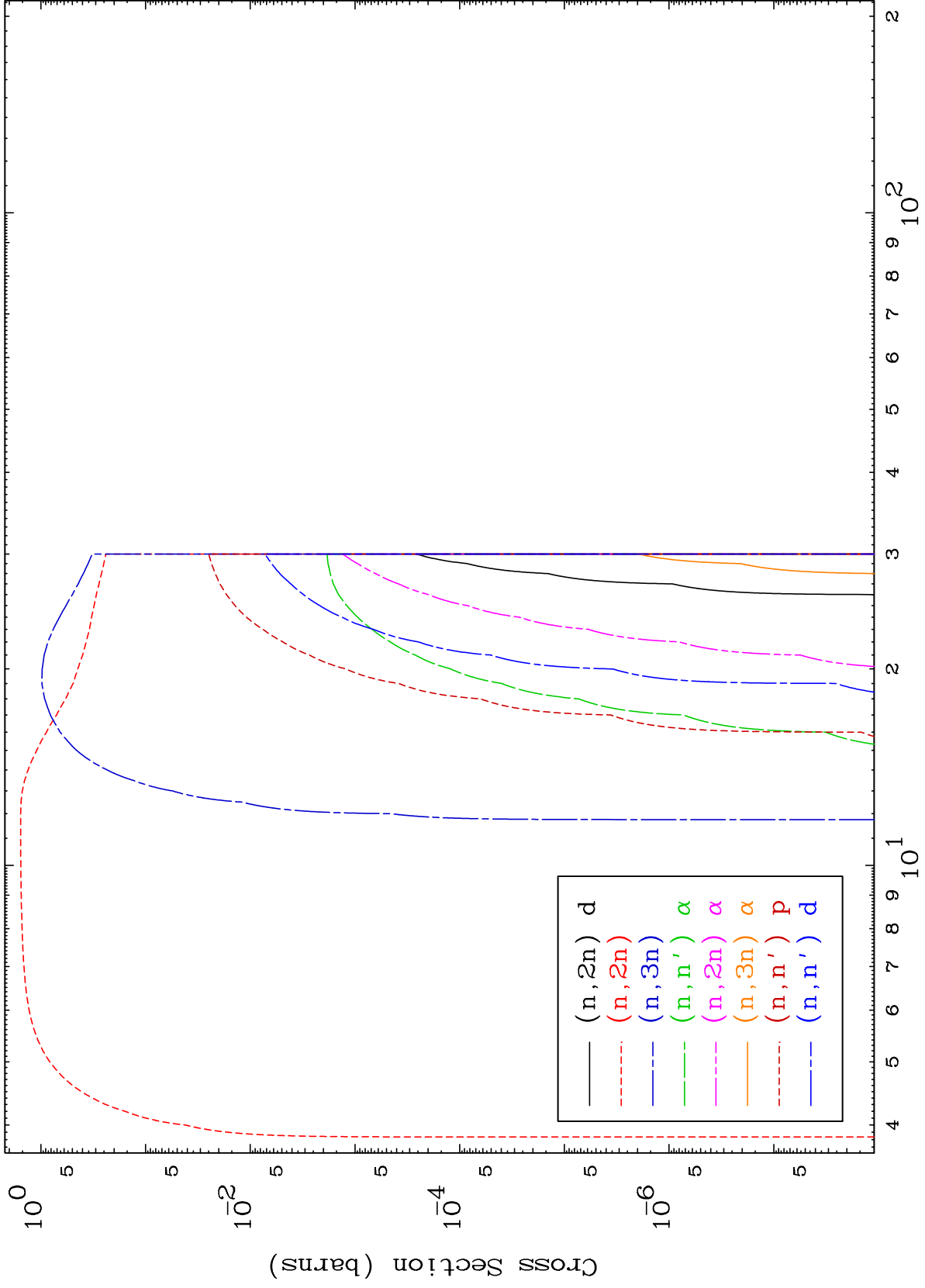
30-Zn-77m



MAT 3065

Neutron Absorption
293 Kelvin Cross Sections

30-Zn-77m



2

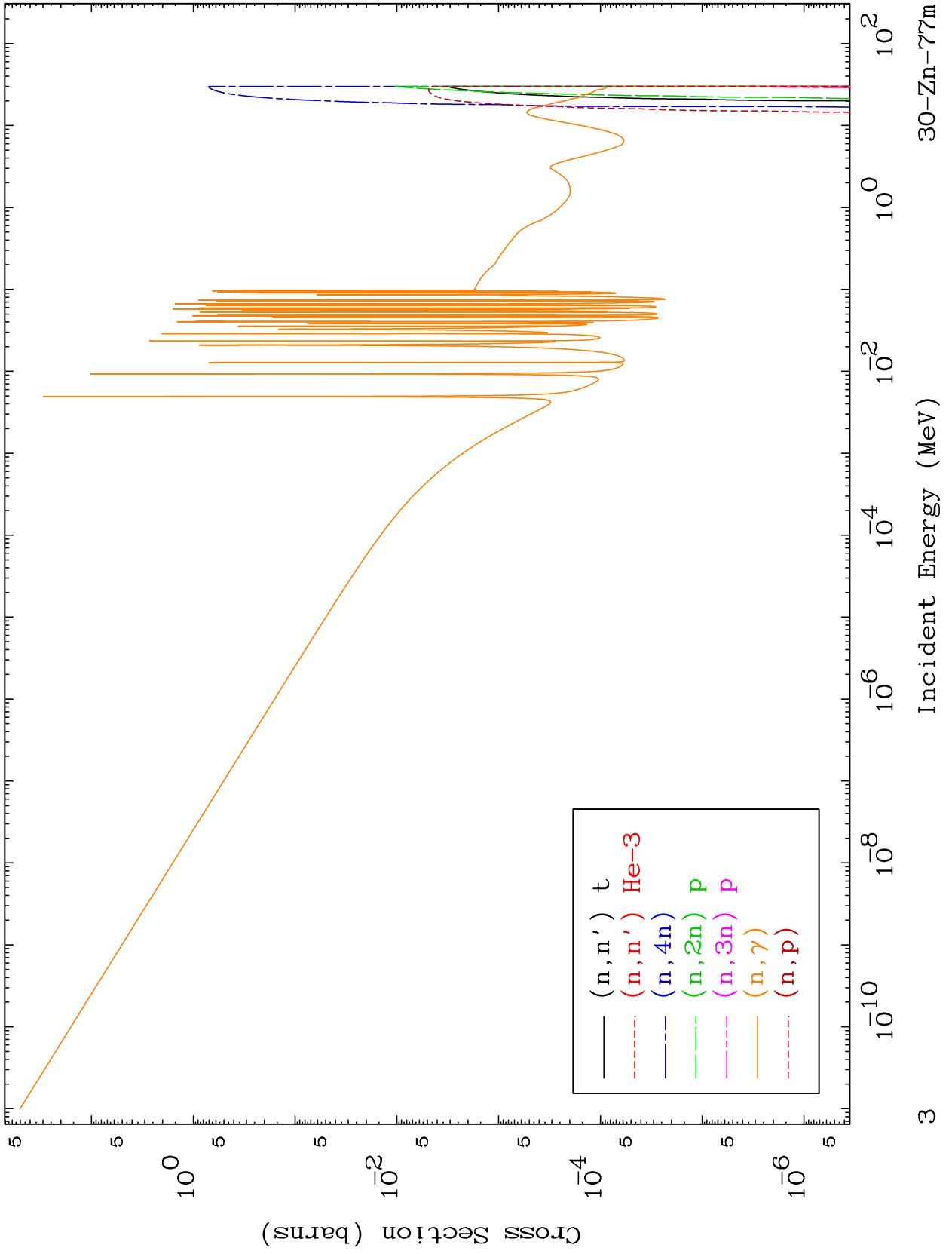
Incident Energy (MeV)

30-Zn-77m

MAT 3065

Neutron Absorption
293 Kelvin Cross Sections

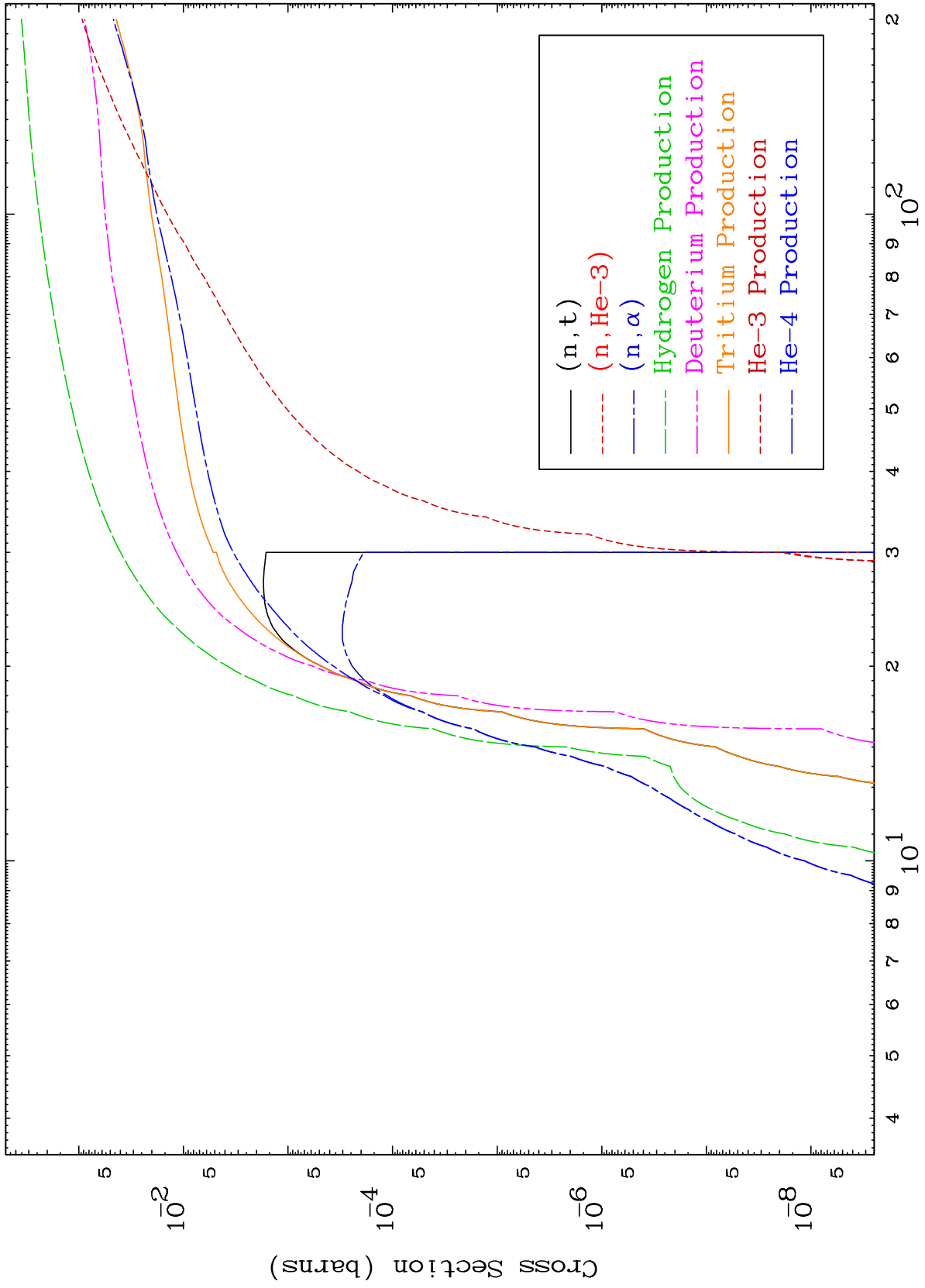
30-Zn-77m



MAT 3065

Neutron Absorption
293 Kelvin Cross Sections

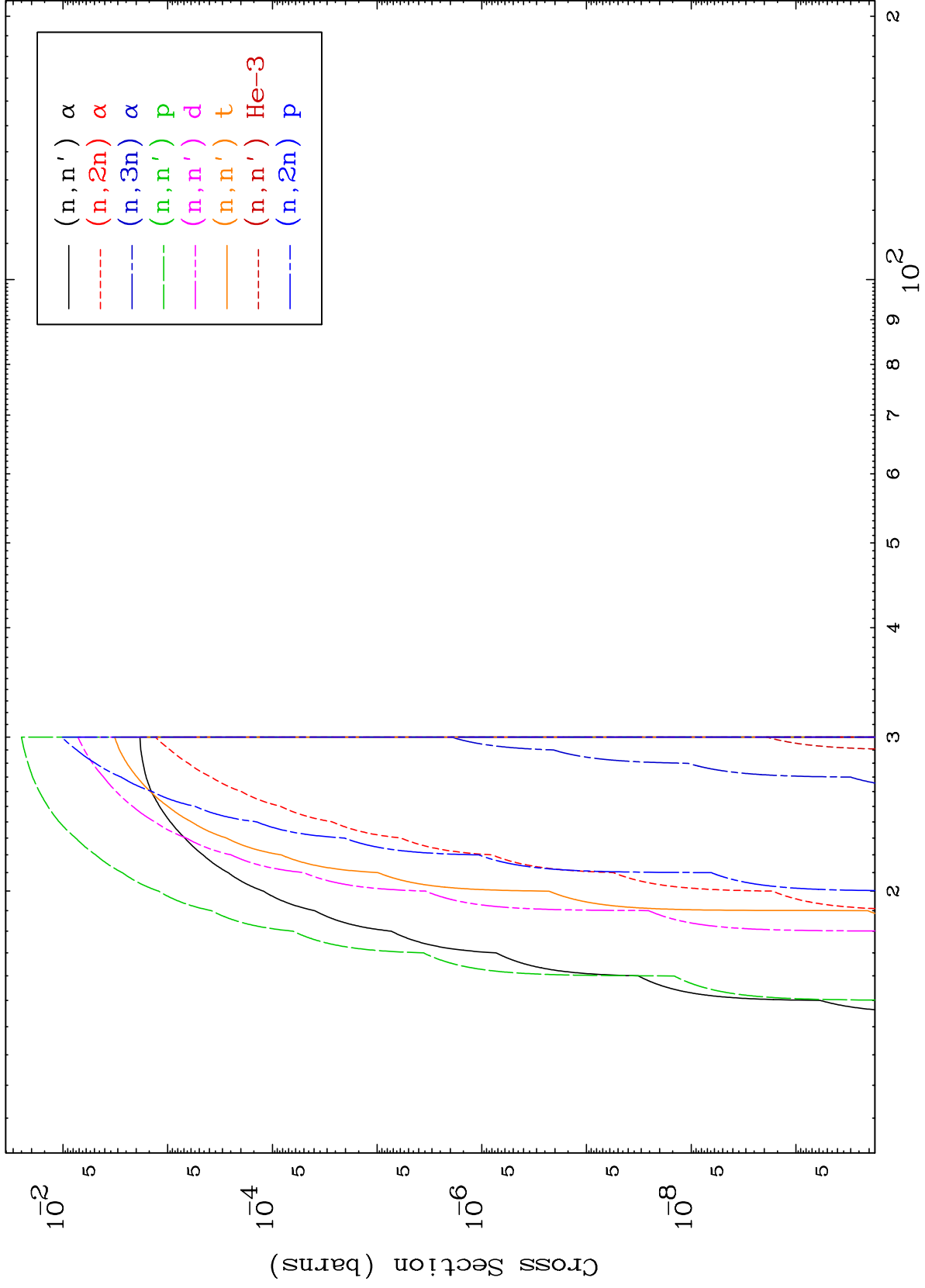
30-Zn-77m



MAT 3065

Charged Particle
293 Kelvin Cross Sections

30-Zn-77m



5

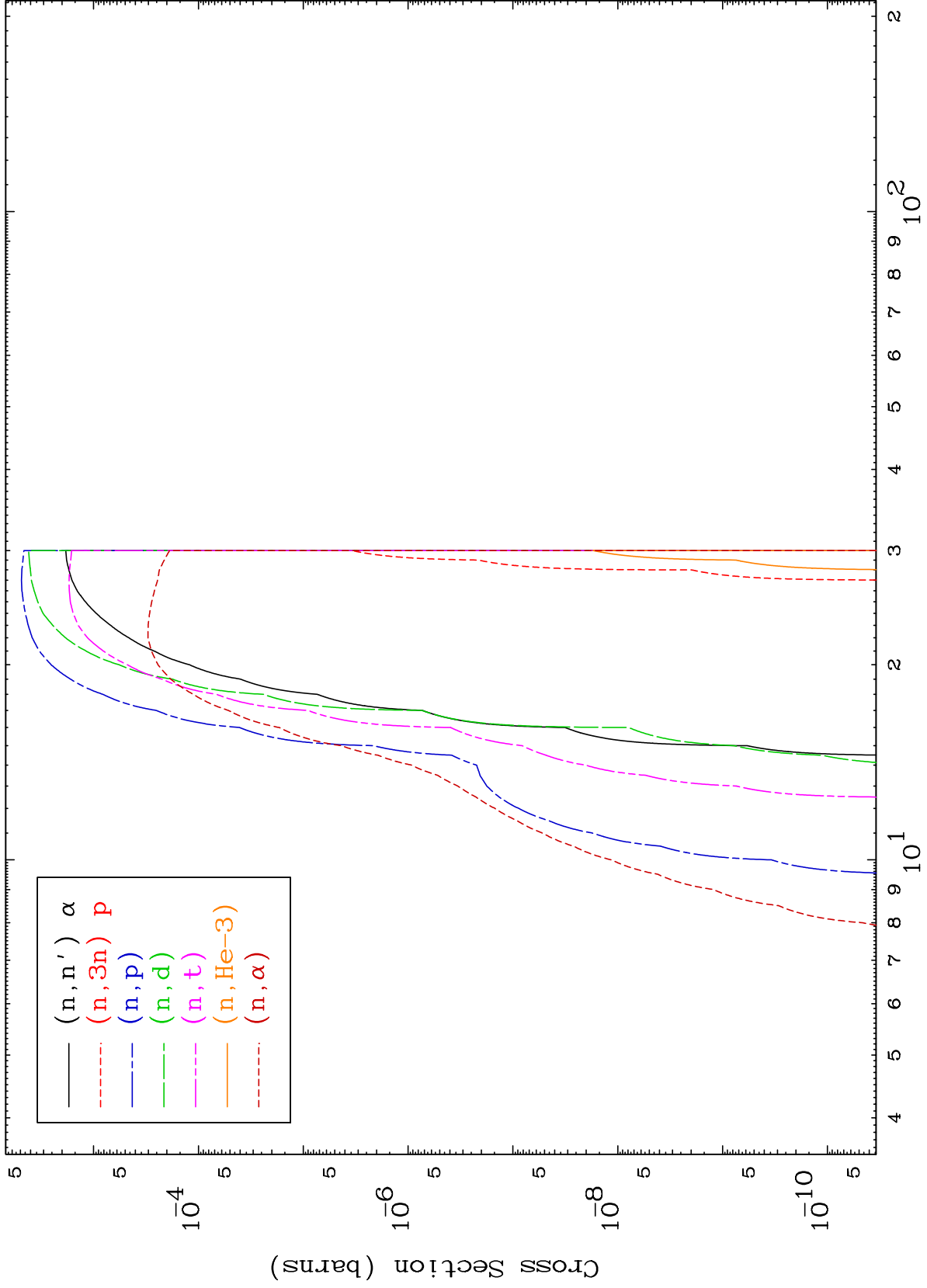
Incident Energy (MeV)

30-Zn-77m

MAT 3065

Charged Particle
293 Kelvin Cross Sections

30-Zn-77m



6

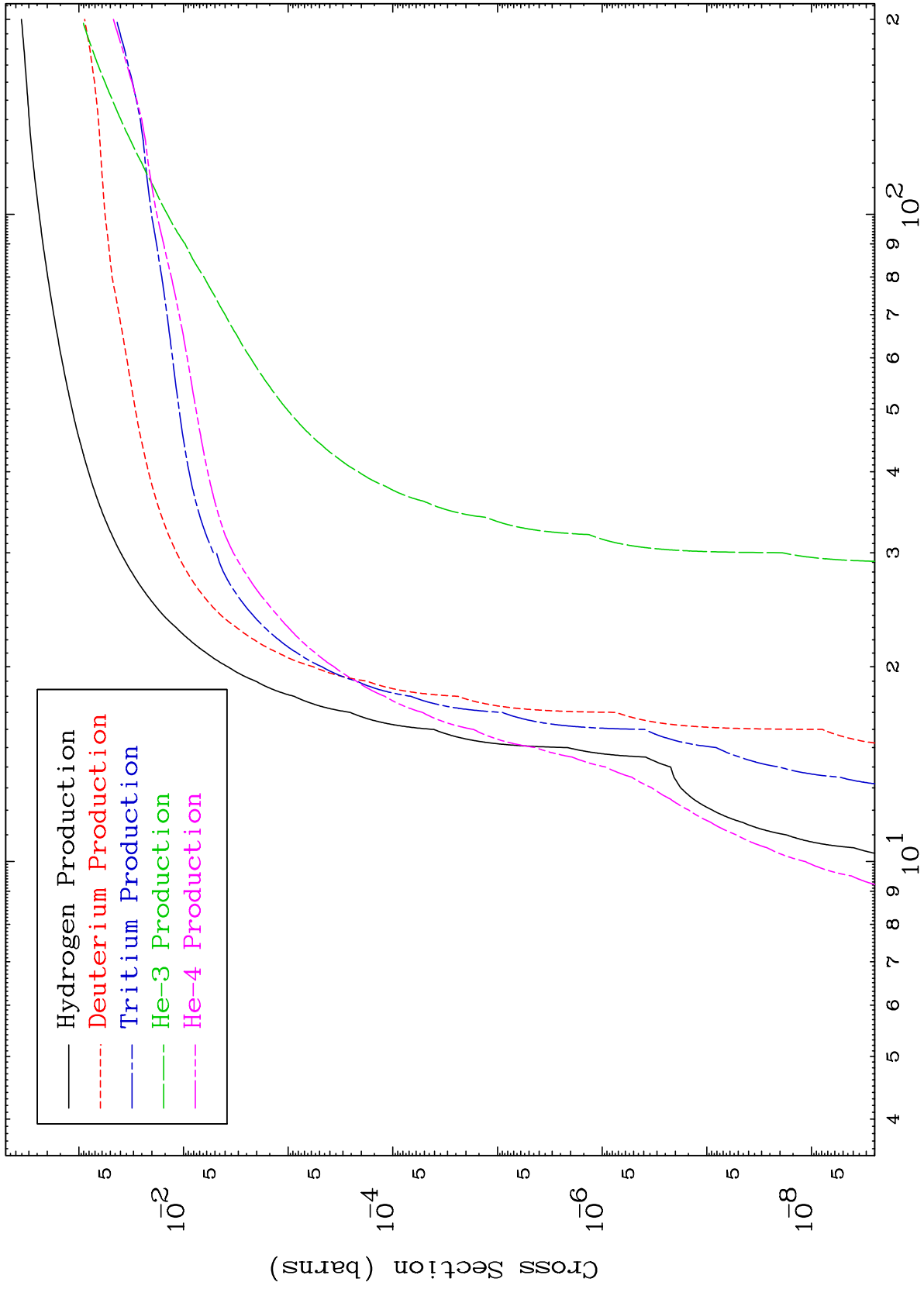
Incident Energy (MeV)

30-Zn-77m

MAT 3065

Particle Production
293 Kelvin Cross Sections

30-Zn-77m

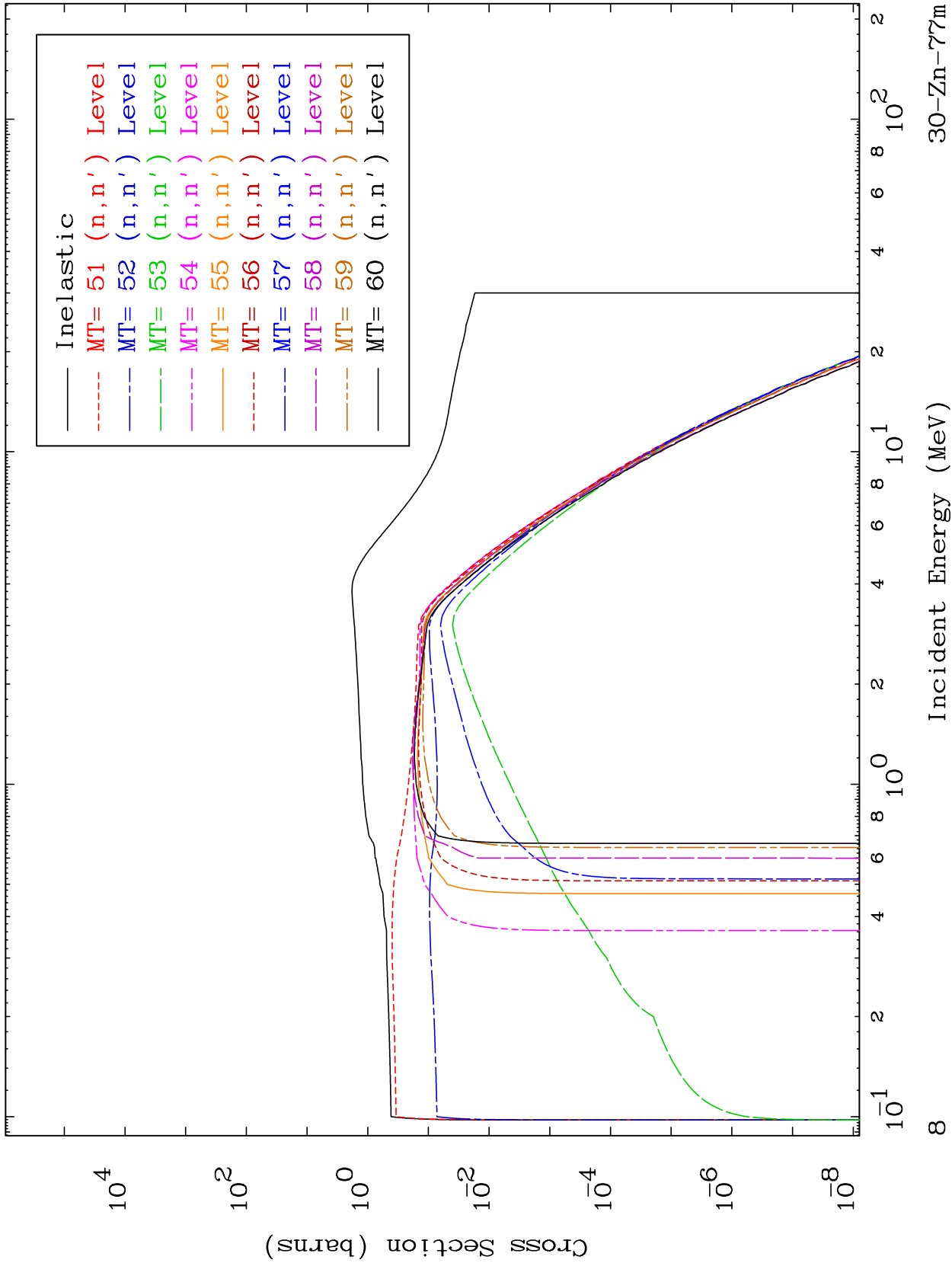


MAT 3065

(n,n') Levels

293 Kelvin Cross Sections

30-Zn-77m



30-Zn-77m

Incident Energy (MeV)

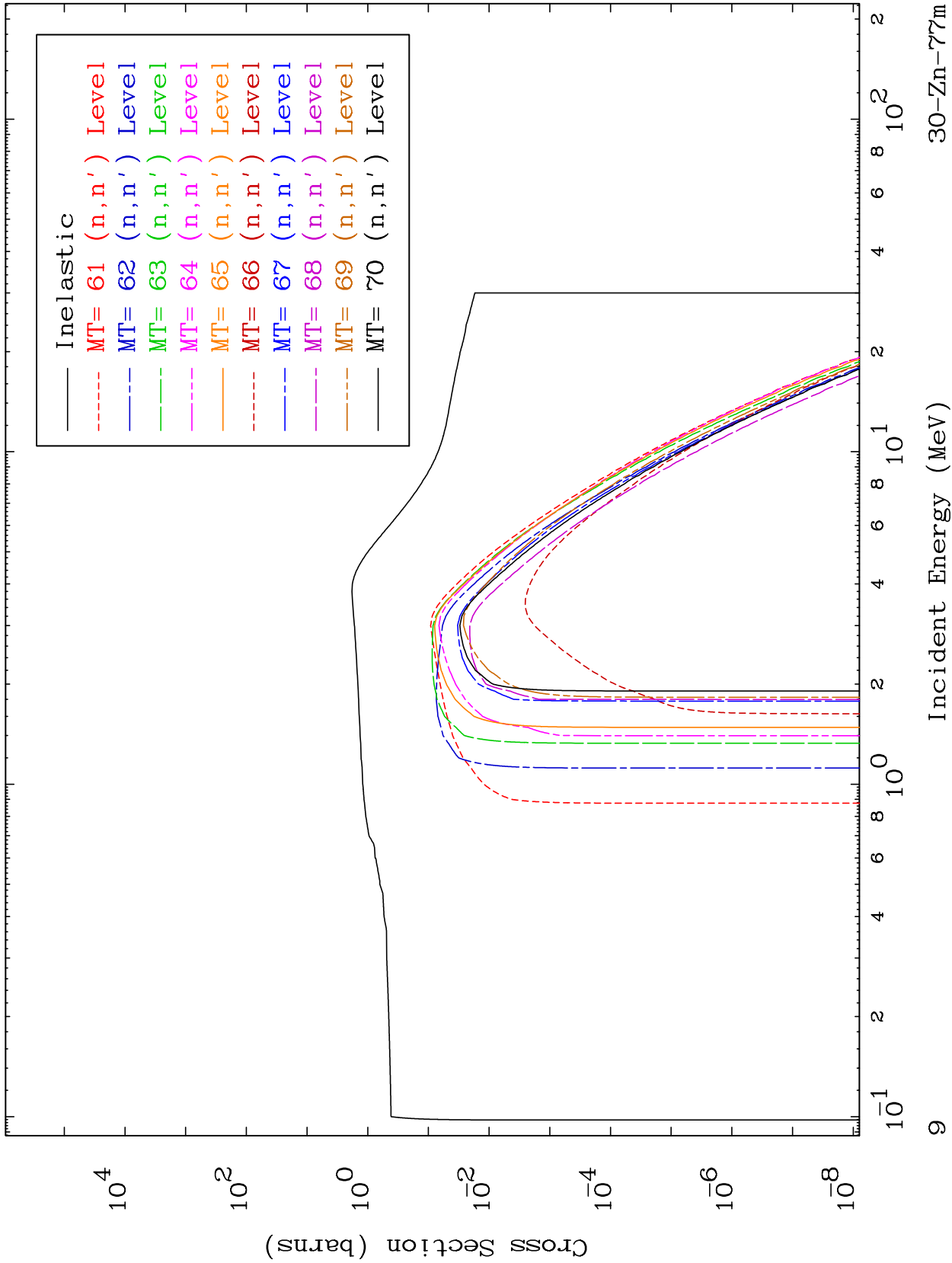
8

MAT 3065

(n,n') Levels

293 Kelvin Cross Sections

30-Zn-77m



30-Zn-77m

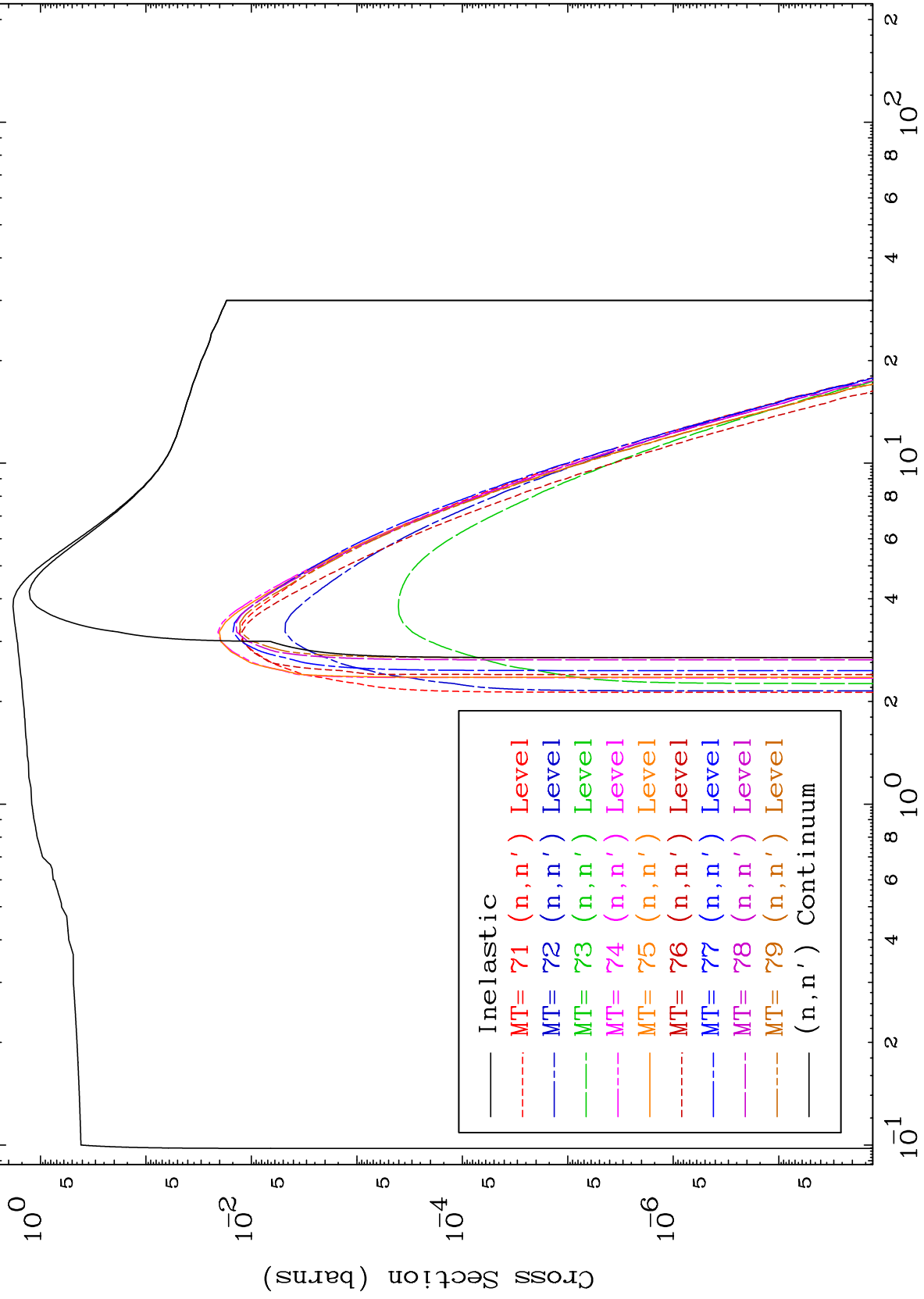
Incident Energy (MeV)

9

MAT 3065

(n,n') Levels
293 Kelvin Cross Sections

30-Zn-77m



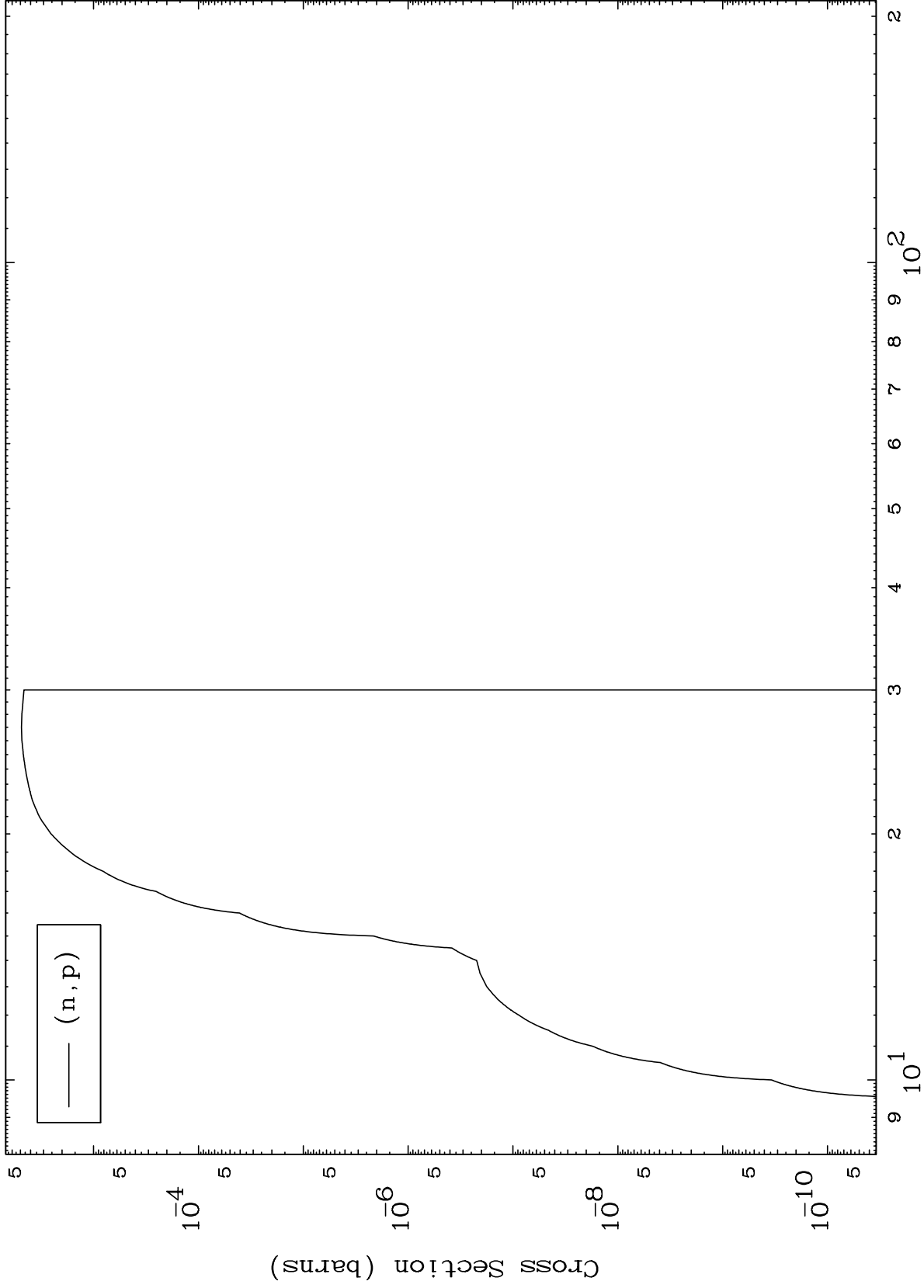
Incident Energy (MeV)

30-Zn-77m

MAT 3065

(n,p) Levels
293 Kelvin Cross Sections

30-Zn-77m



11

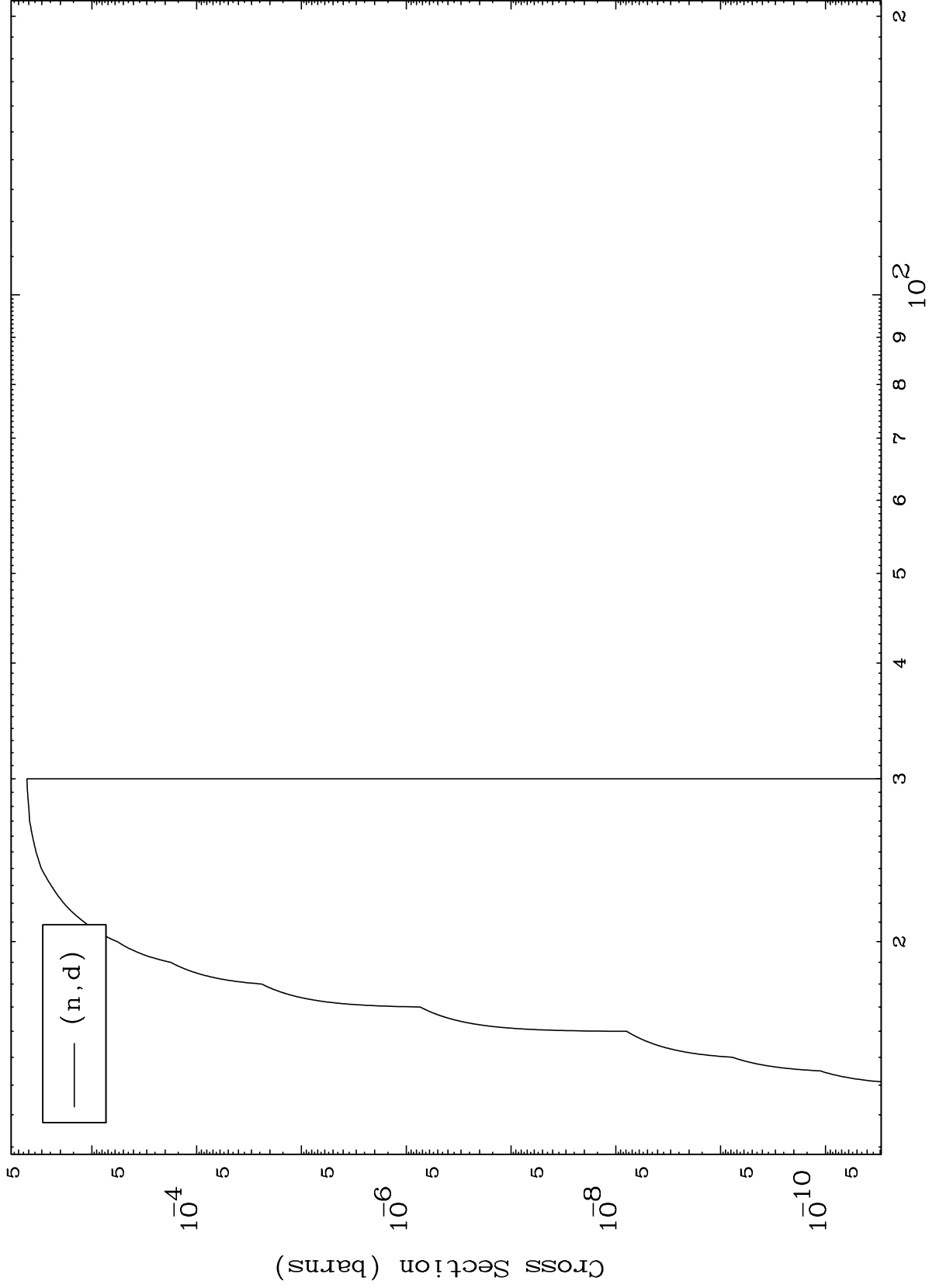
Incident Energy (MeV)

30-Zn-77m

MAT 3065

(n,d) Levels
293 Kelvin Cross Sections

30-Zn-77m



12

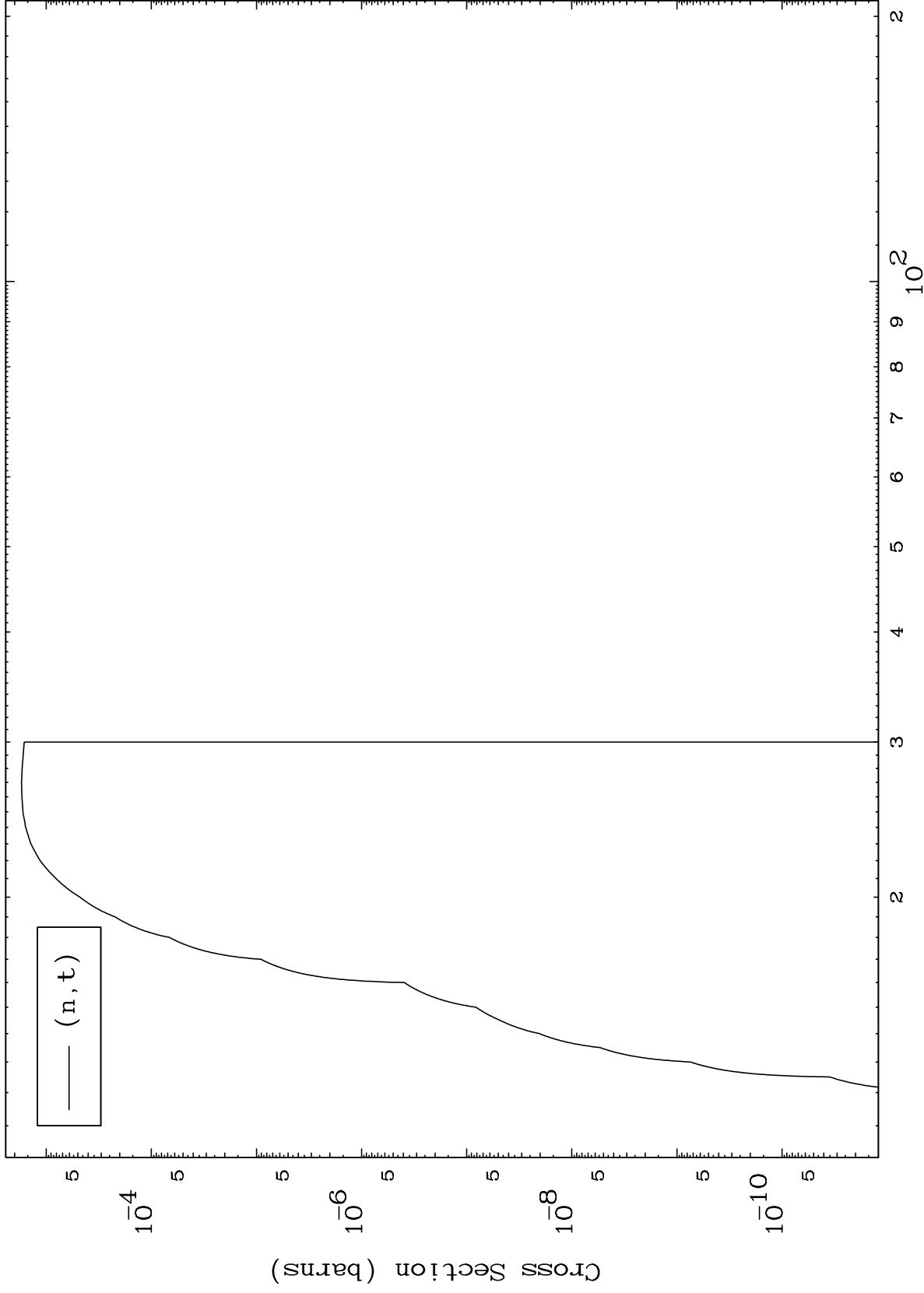
Incident Energy (MeV)

30-Zn-77m

MAT 3065

(n,t) Levels
293 Kelvin Cross Sections

30-Zn-77m



13

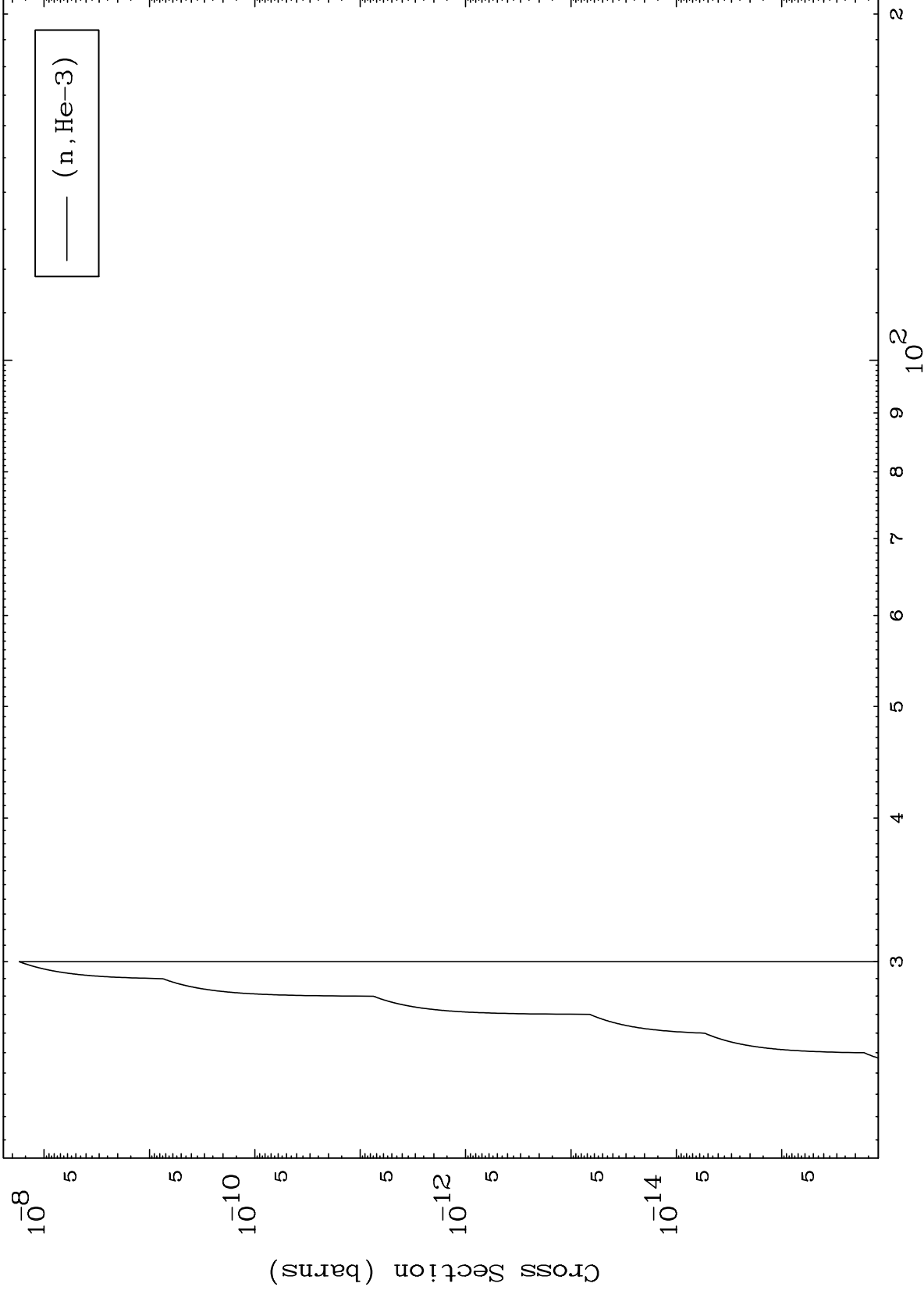
Incident Energy (MeV)

30-Zn-77m

MAT 3065

(n,He3) Levels
293 Kelvin Cross Sections

30-Zn-77m



14

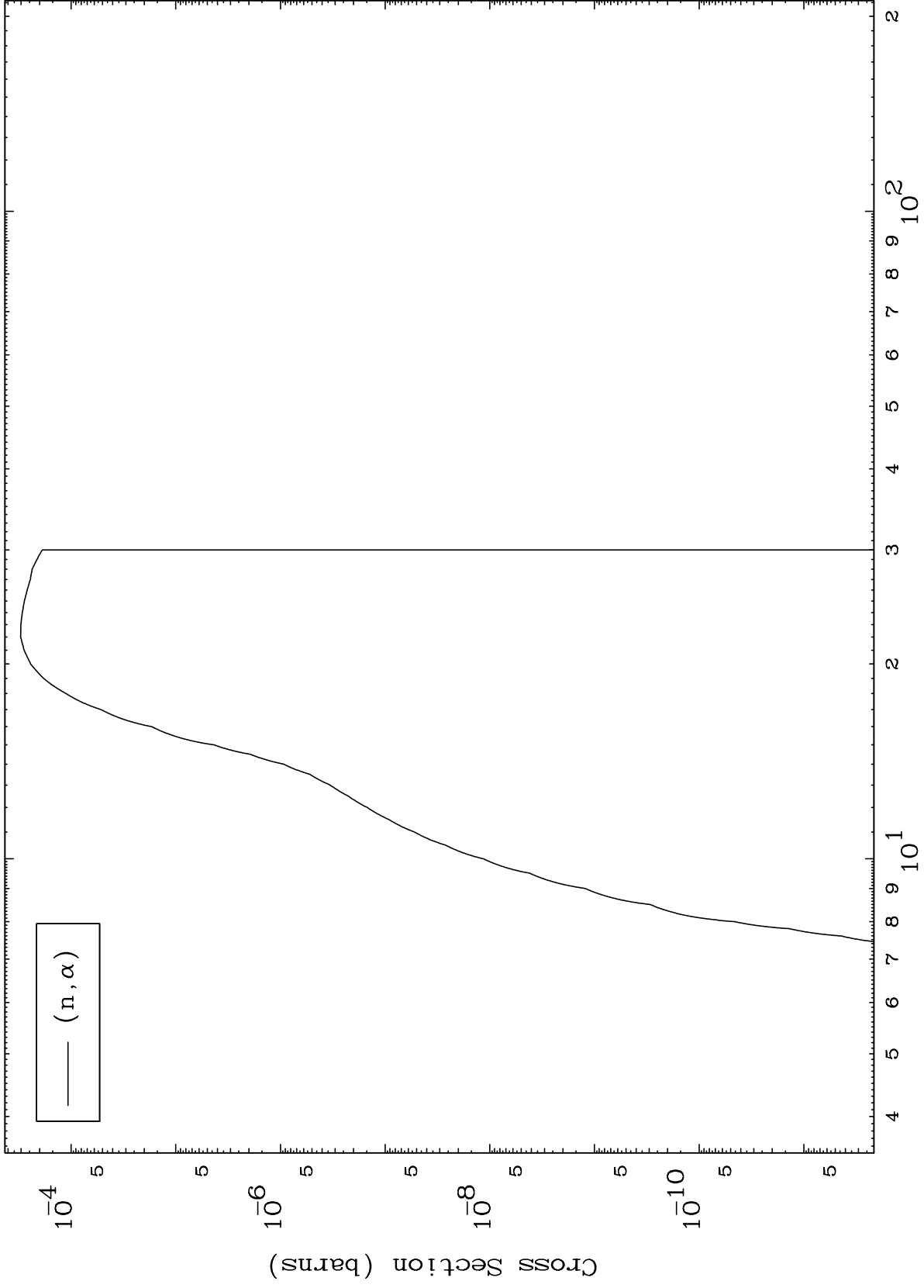
Incident Energy (MeV)

30-Zn-77m

MAT 3065

(n, α) Levels
293 Kelvin Cross Sections

30-Zn-77m



15

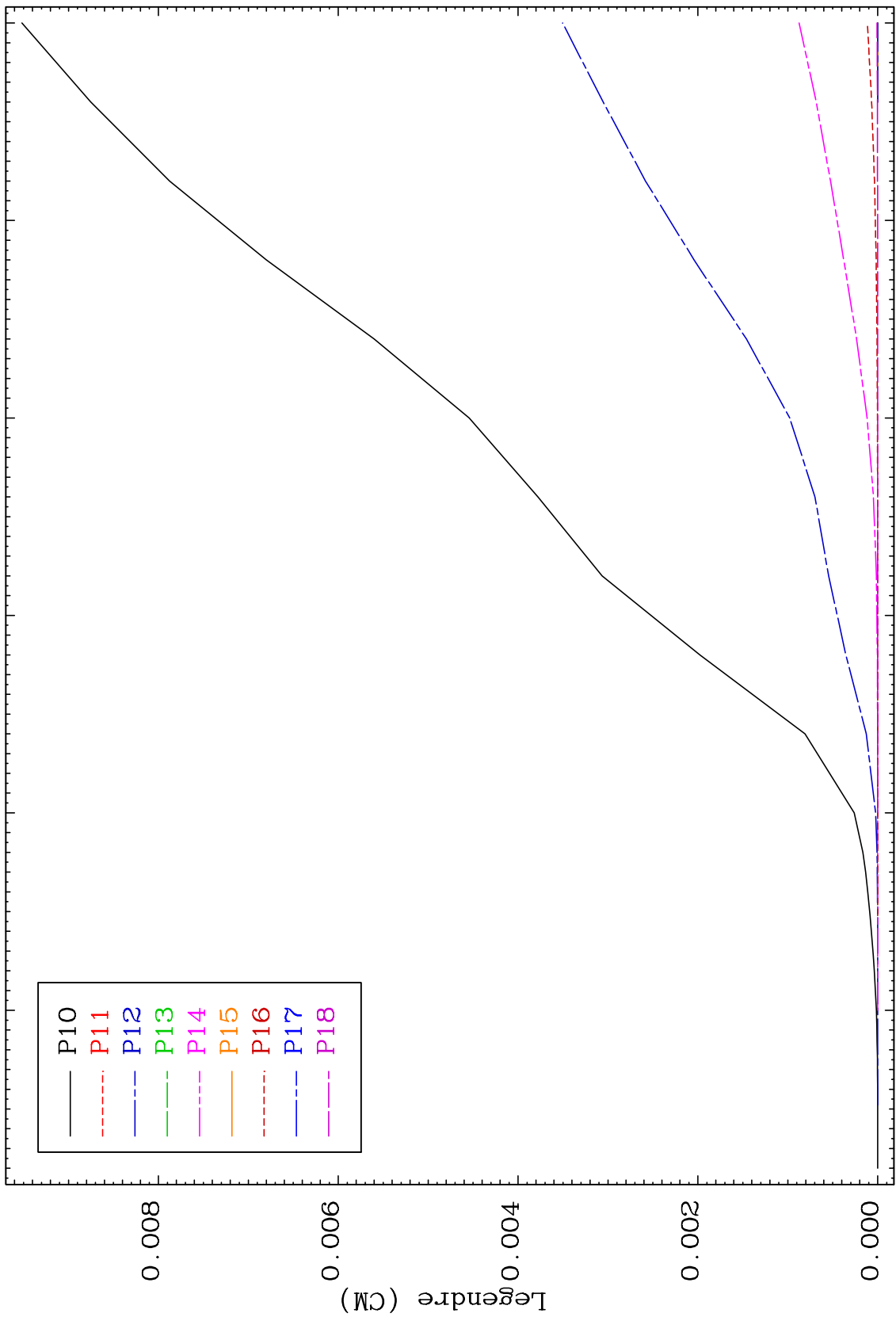
Incident Energy (MeV)

30-Zn-77m

MAT 3065

Elastic Legendre Coefficients

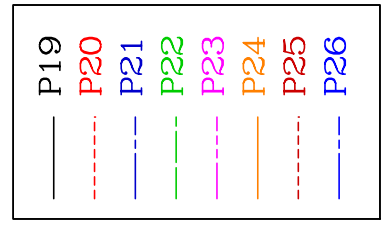
30-Zn-77m



MAT 3065

Elastic Legendre Coefficients

30-Zn-77m



$\times 10^{-7}$

Legendre (CM)

4

3

2

1

0

15

20

25

30

18

Incident Energy (MeV)

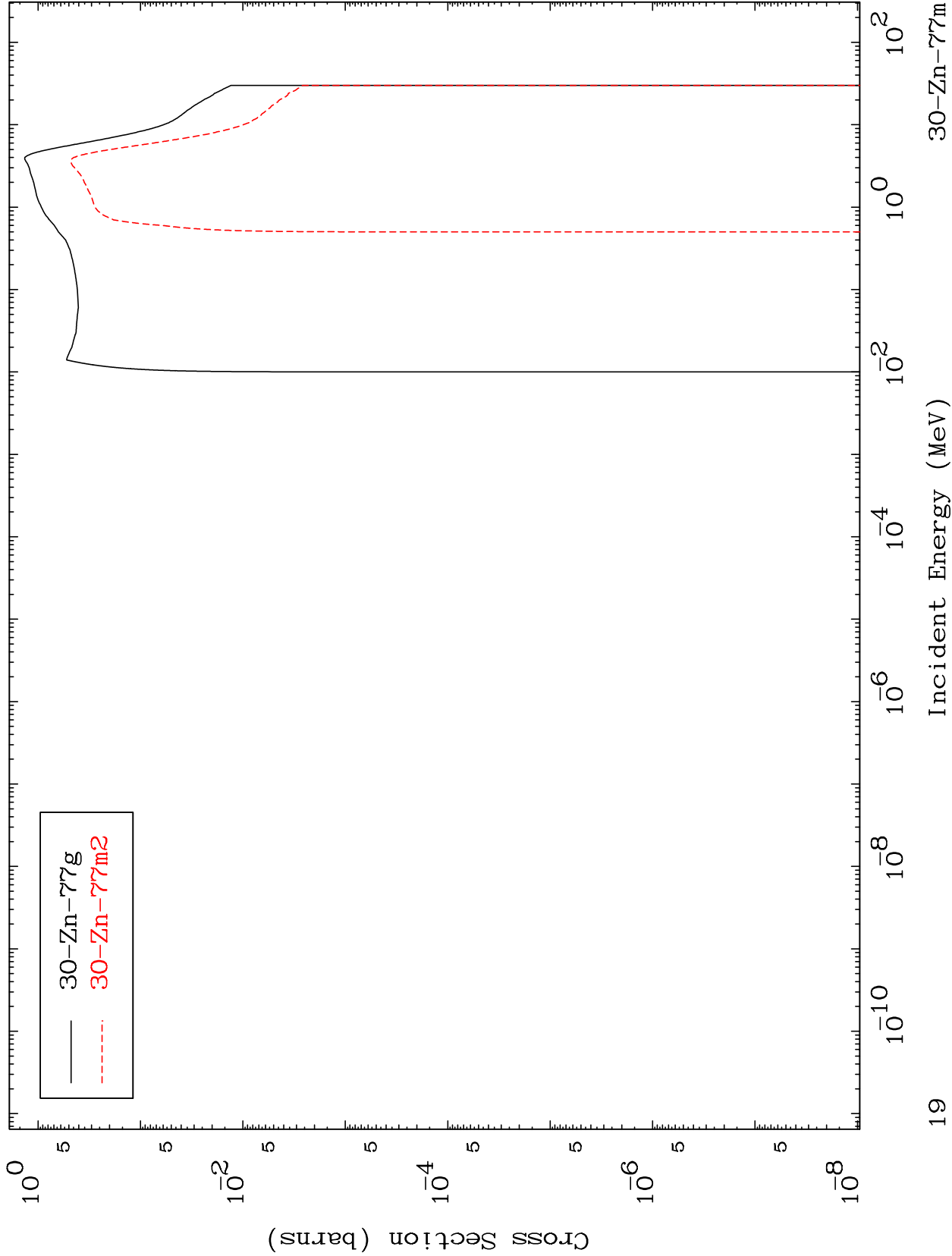
30-Zn-77m



MAT 3065

Inelastic
Radionuclide Production Cross Section

30-Zn-77m

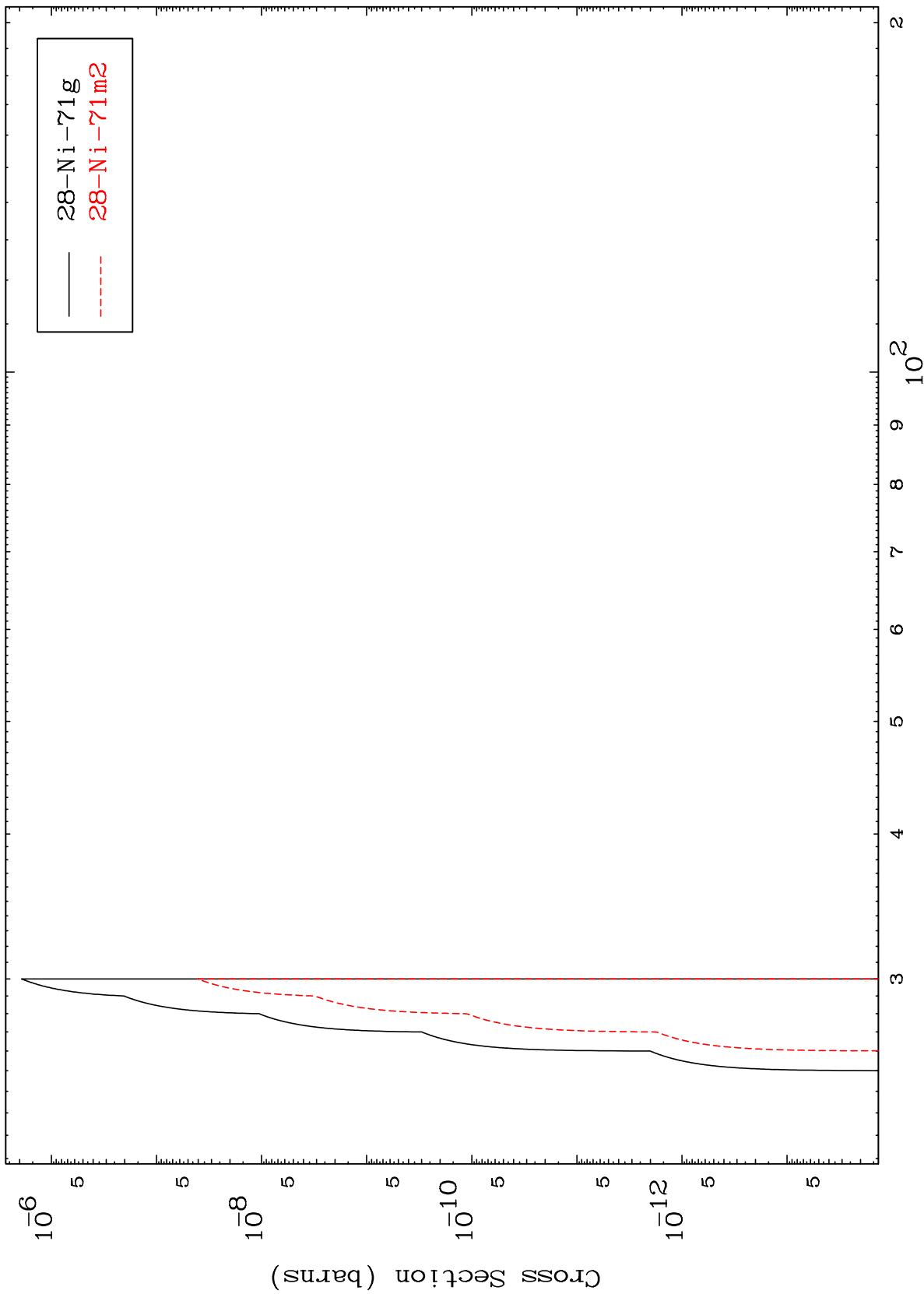


MAT 3065

(n,3n) α

30-Zn-77m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

30-Zn-77m