

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

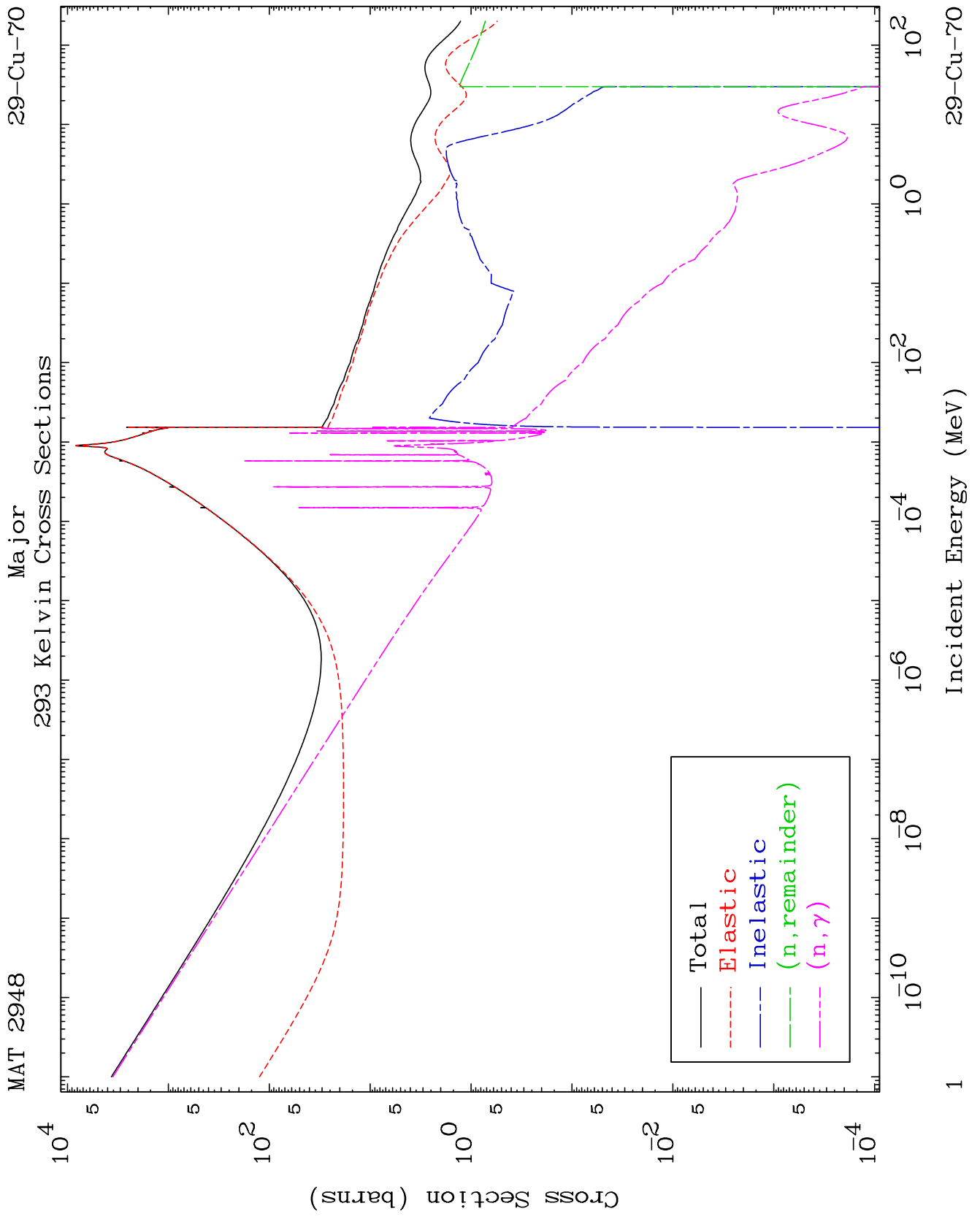
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Web: redcullen1.net/HOMEPAGE.NEW

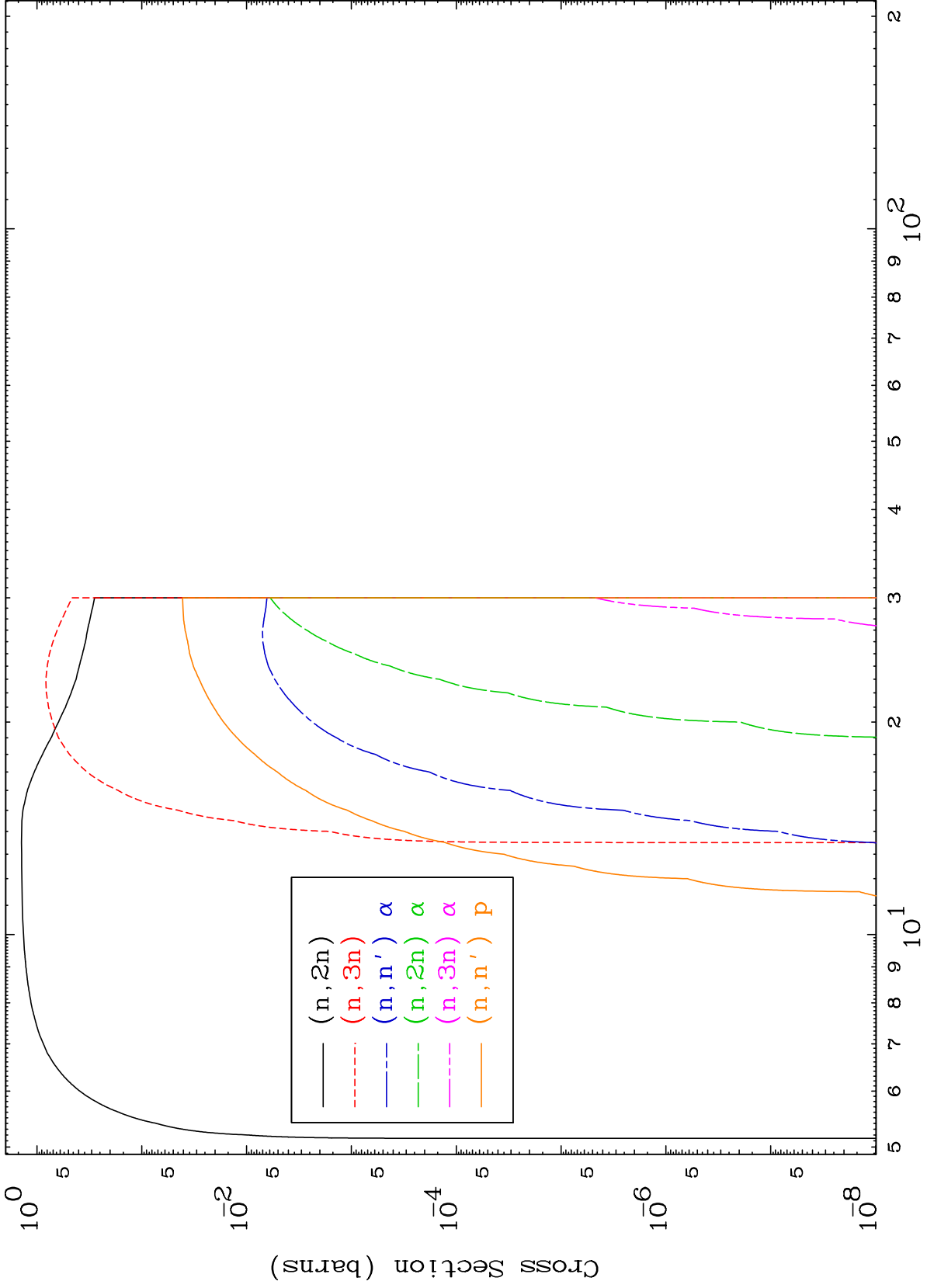
Press Mouse Button to Start



MAT 2948

Neutron Production
293 Kelvin Cross Sections

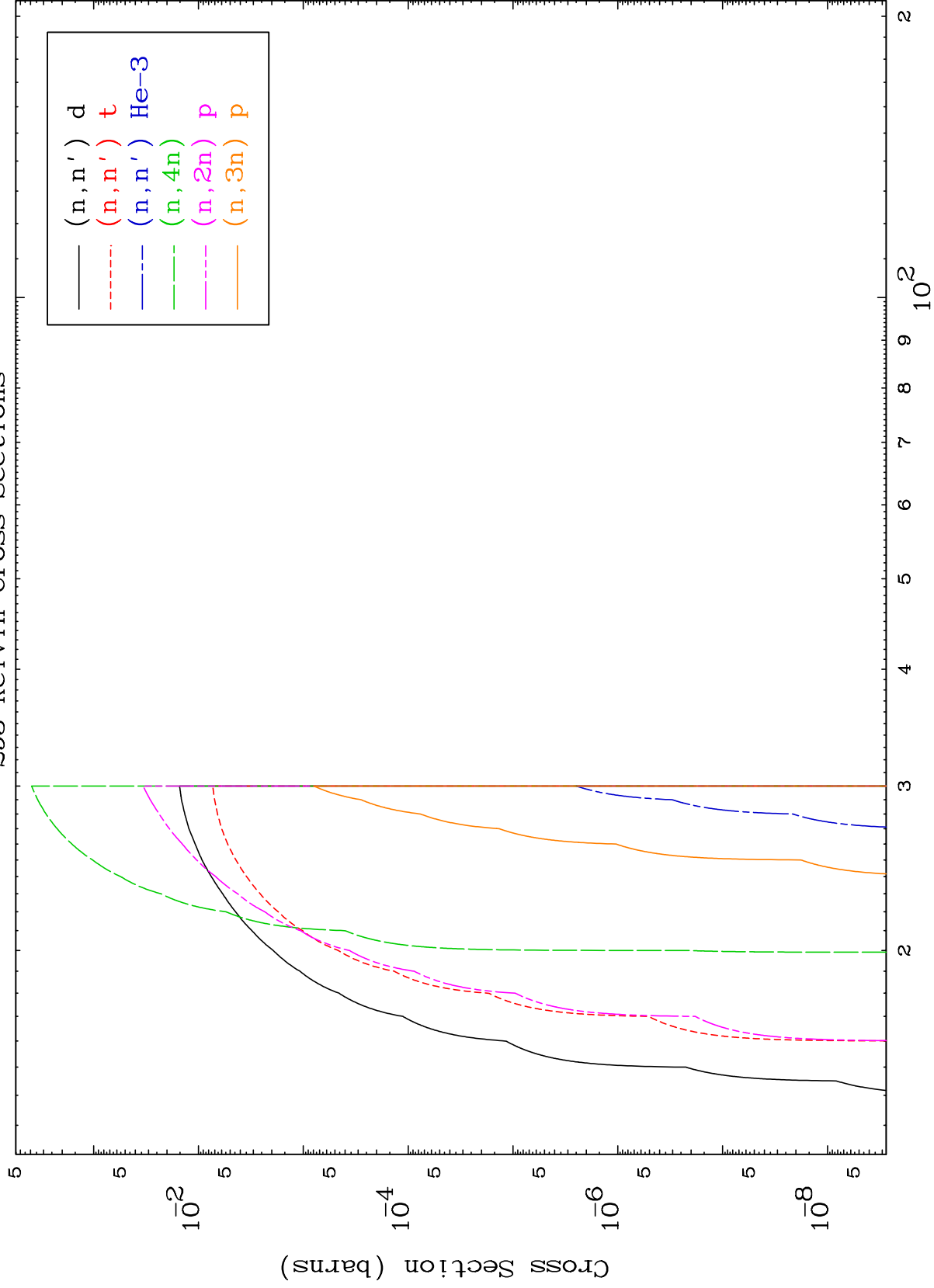
29-Cu-70



2

Incident Energy (MeV)

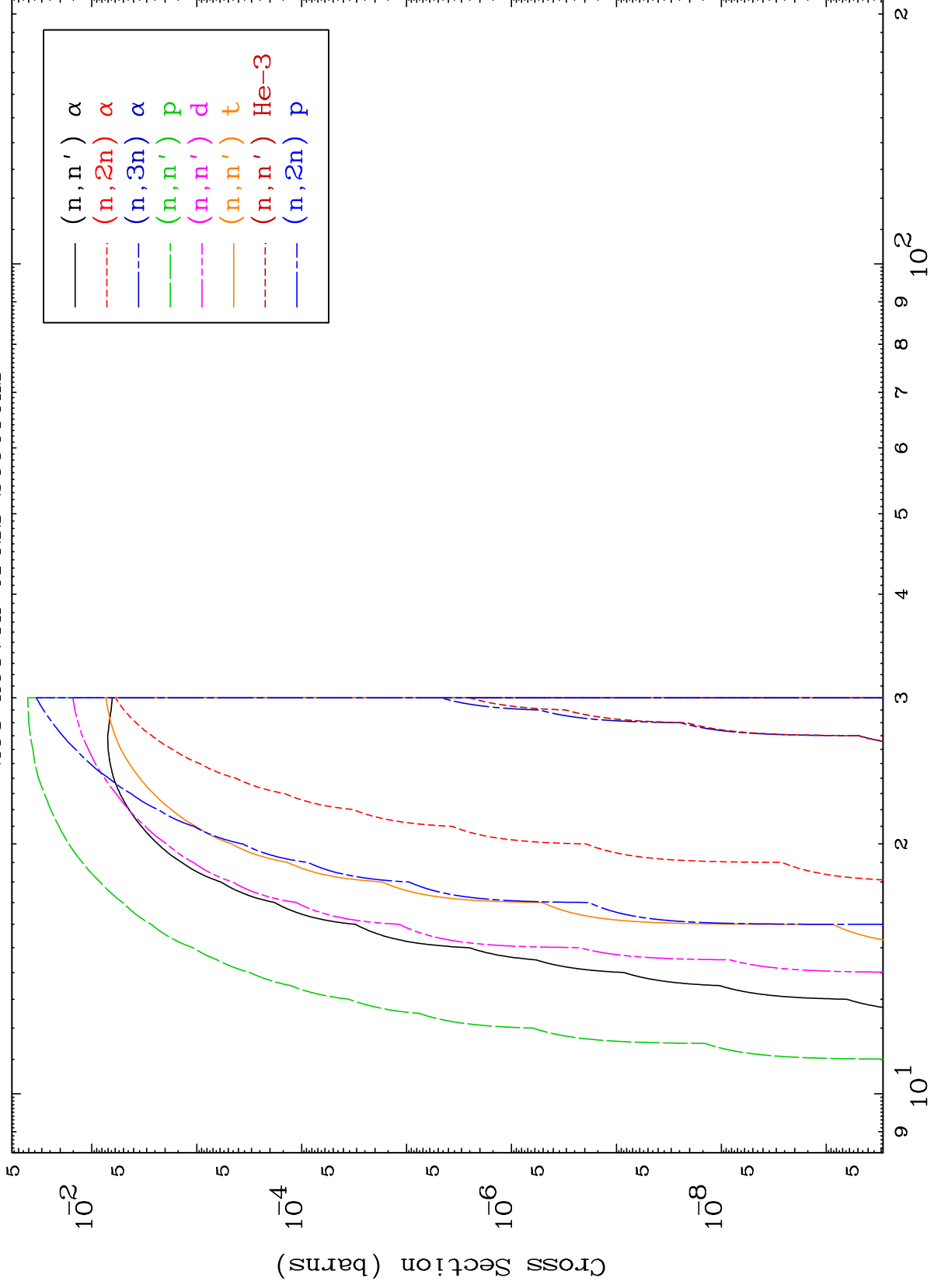
29-Cu-70



MAT 2948

Charged Particle
293 Kelvin Cross Sections

29-Cu-70



Incident Energy (MeV)

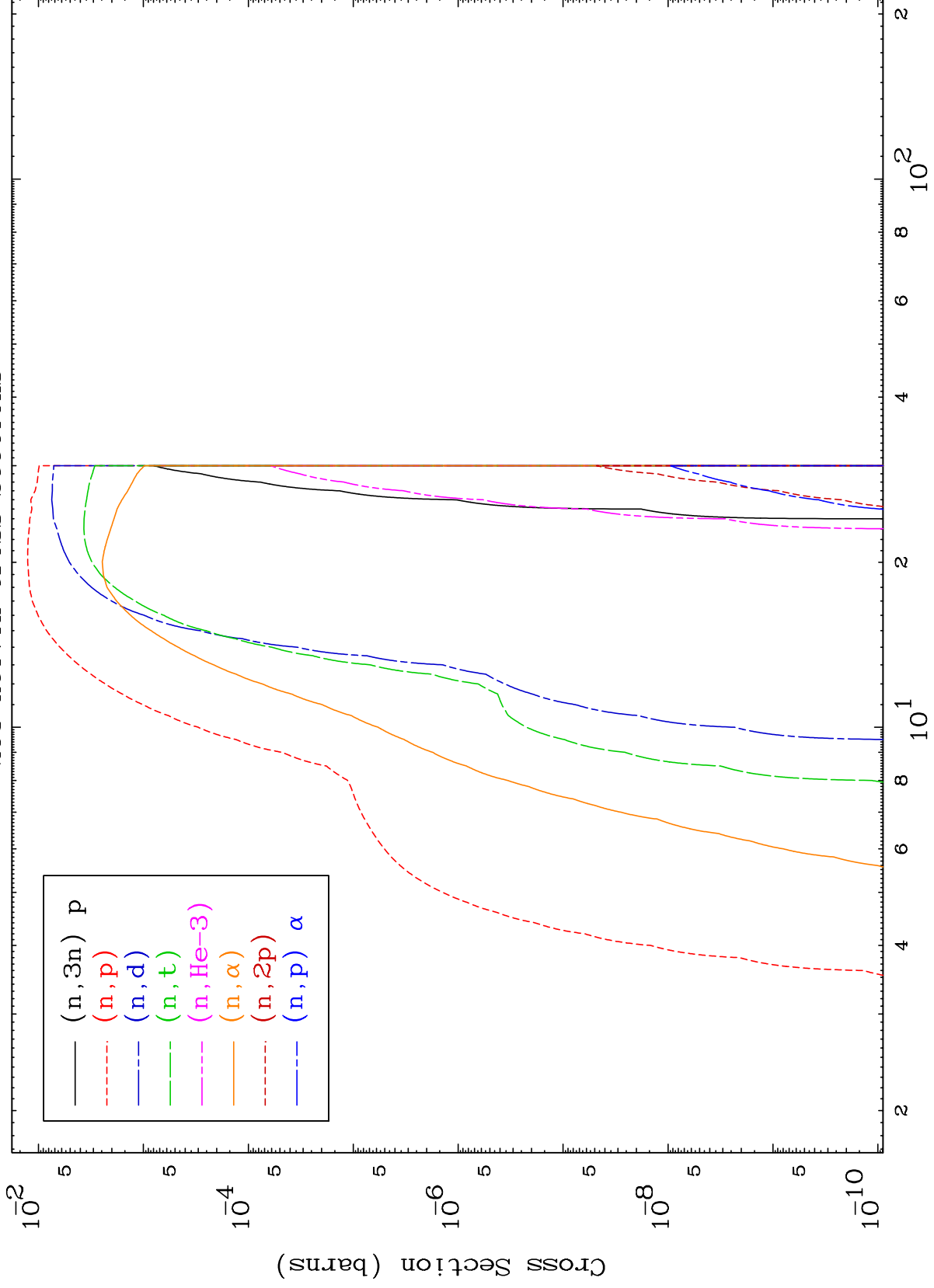
29-Cu-70

4

MAT 2948

Charged Particle
293 Kelvin Cross Sections

29-Cu-70



5

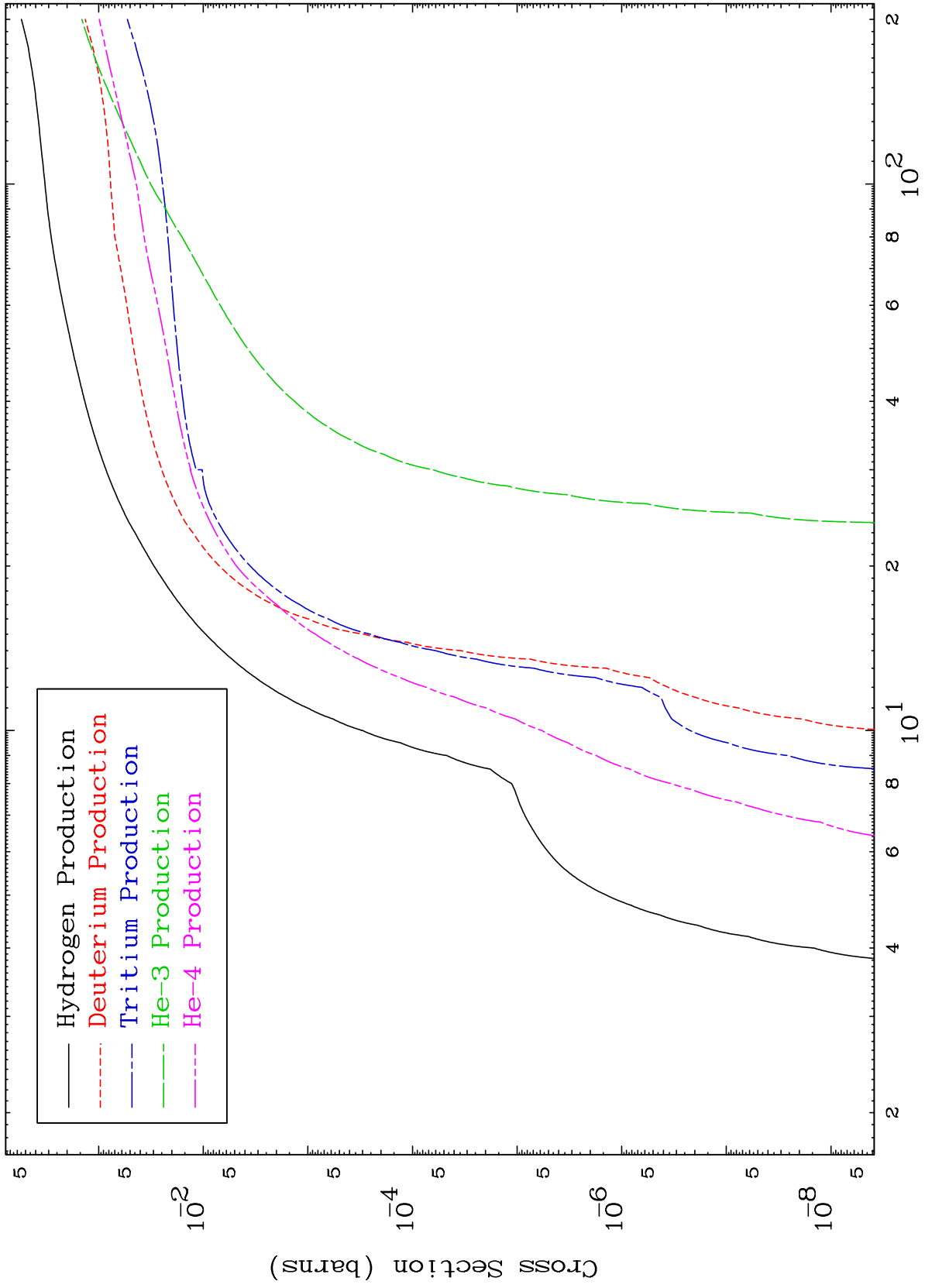
Incident Energy (MeV)

29-Cu-70

MAT 2948

Particle Production
293 Kelvin Cross Sections

29-Cu-70



6

Incident Energy (MeV)

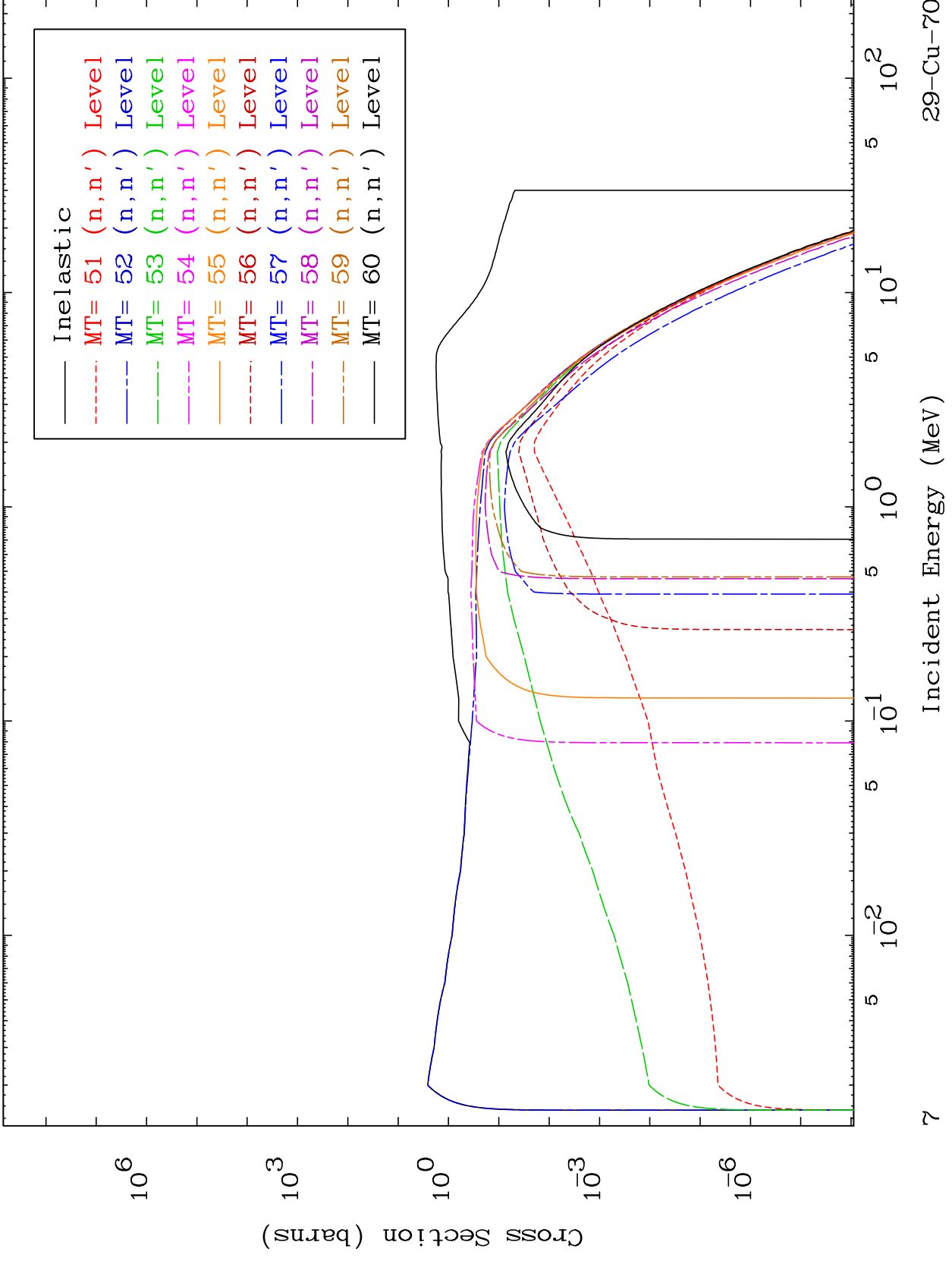
29-Cu-70

MAT 2948

(n,n') Level

29-Cu-70

293 Kelvin Cross Sections

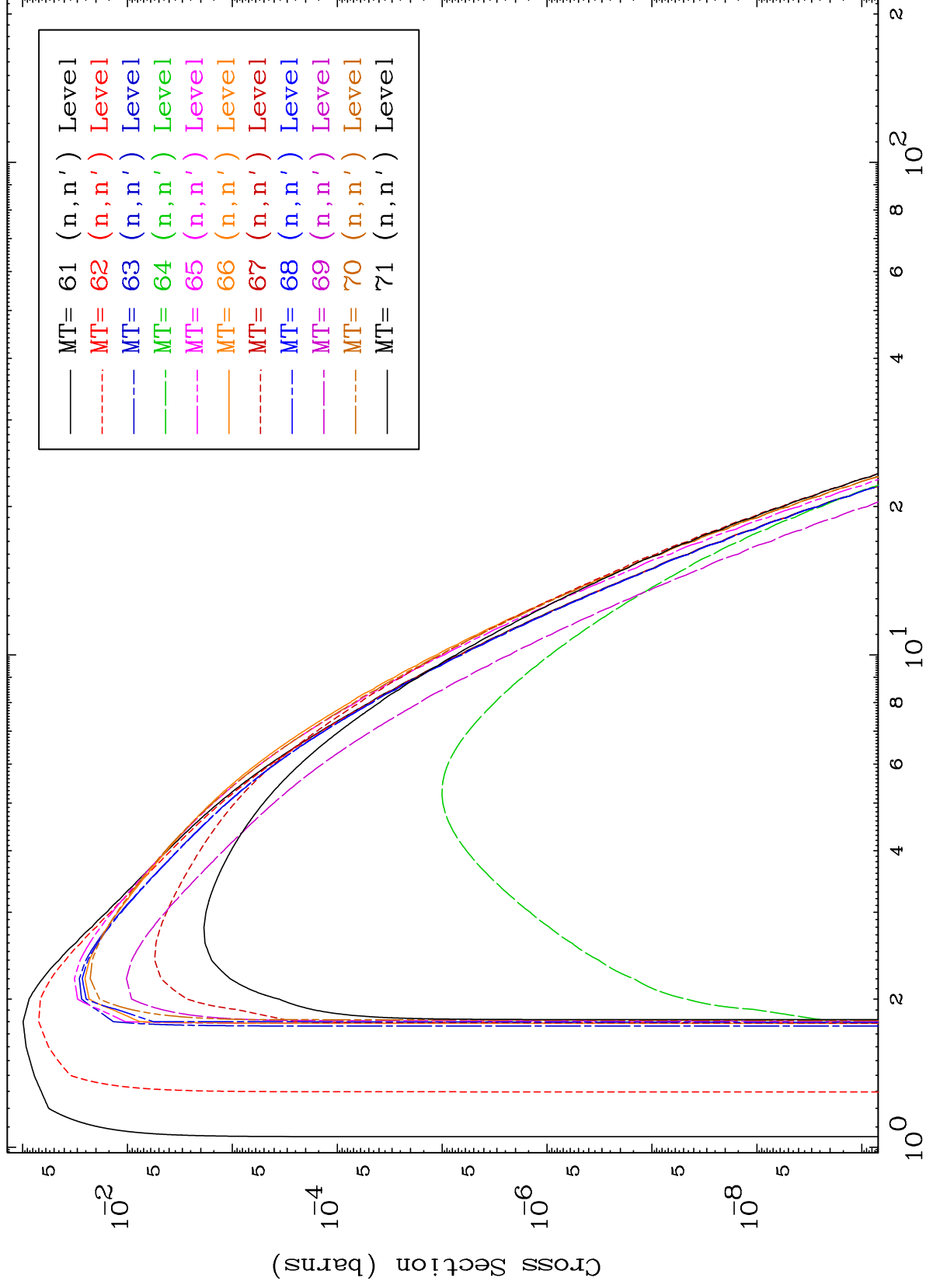


MAT 2948

(n,n') Level

29-Cu-70

293 Kelvin Cross Sections



Incident Energy (MeV)

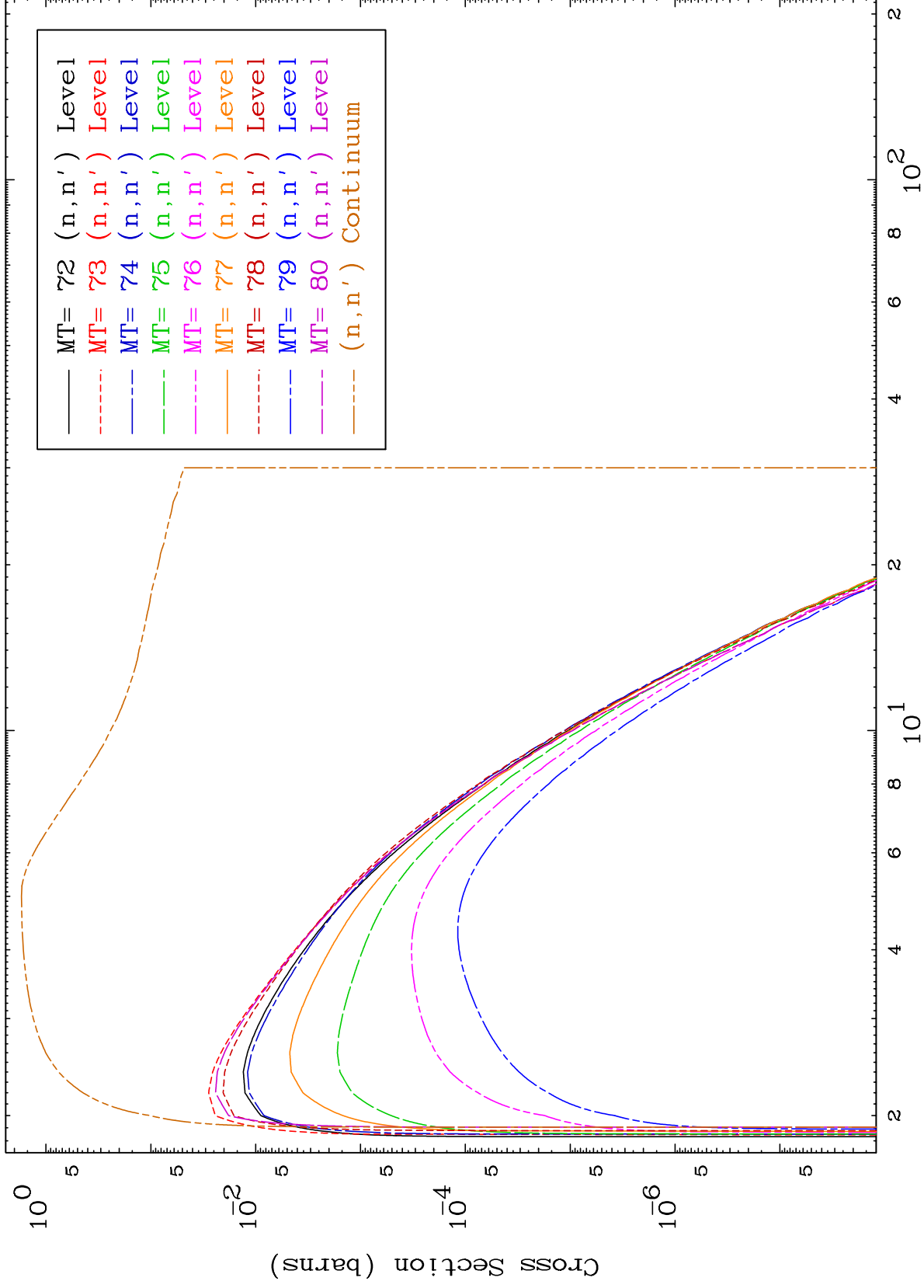
29-Cu-70

MAT 2948

(n,n') Level

29-Cu-70

293 Kelvin Cross Sections



9

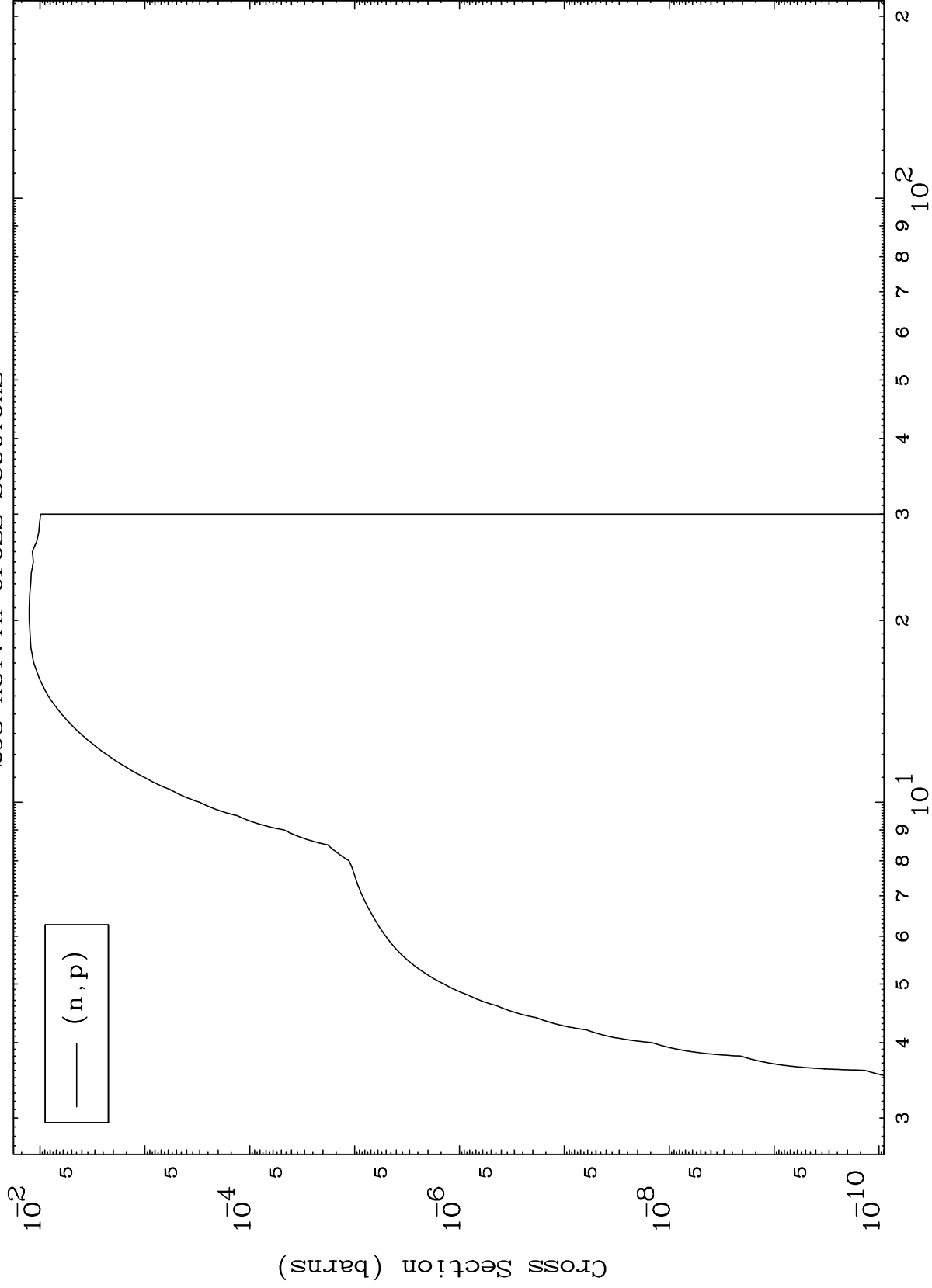
Incident Energy (MeV)

29-Cu-70

MAT 2948

(n,p) Levels
293 Kelvin Cross Sections

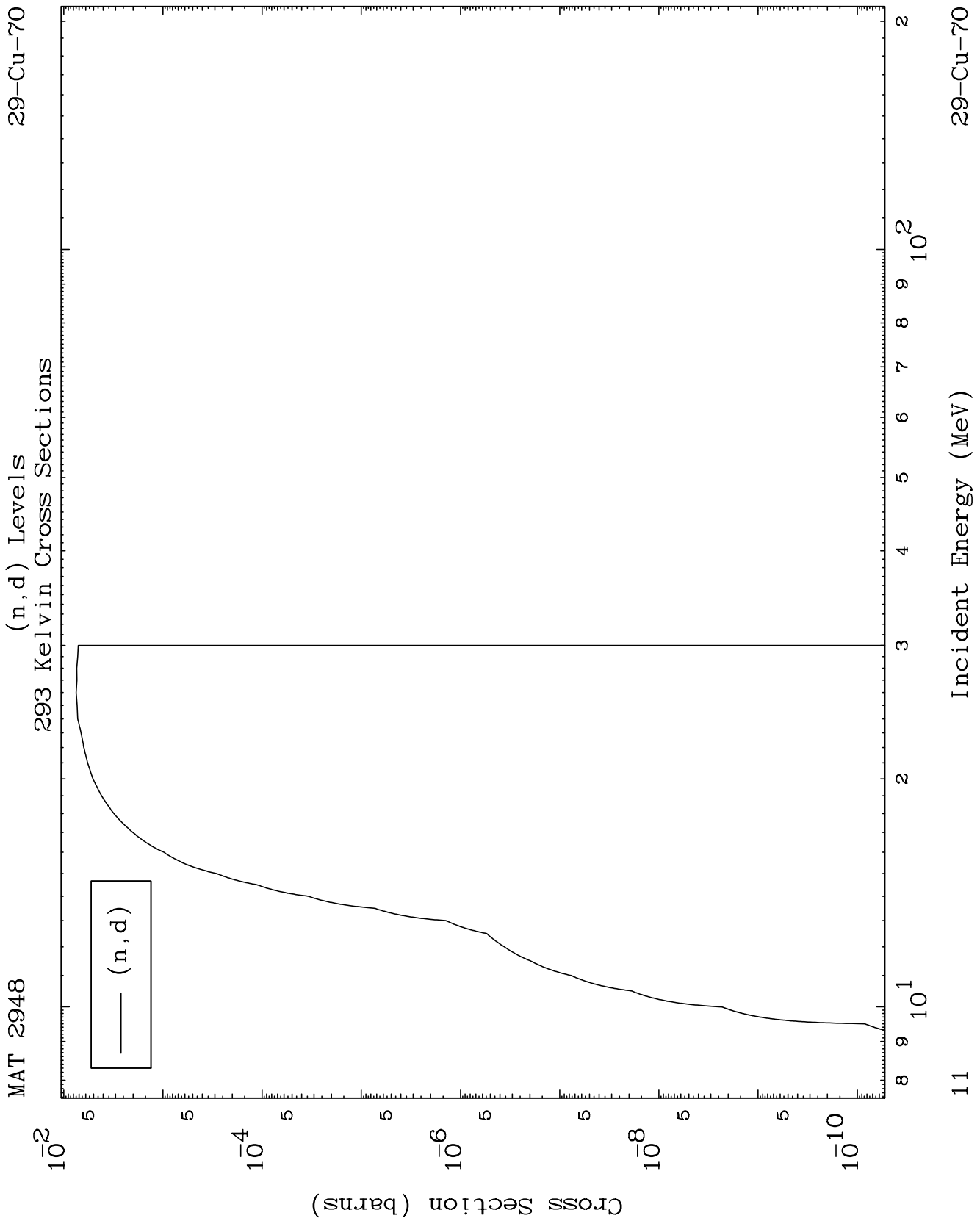
29-Cu-70



10

Incident Energy (MeV)

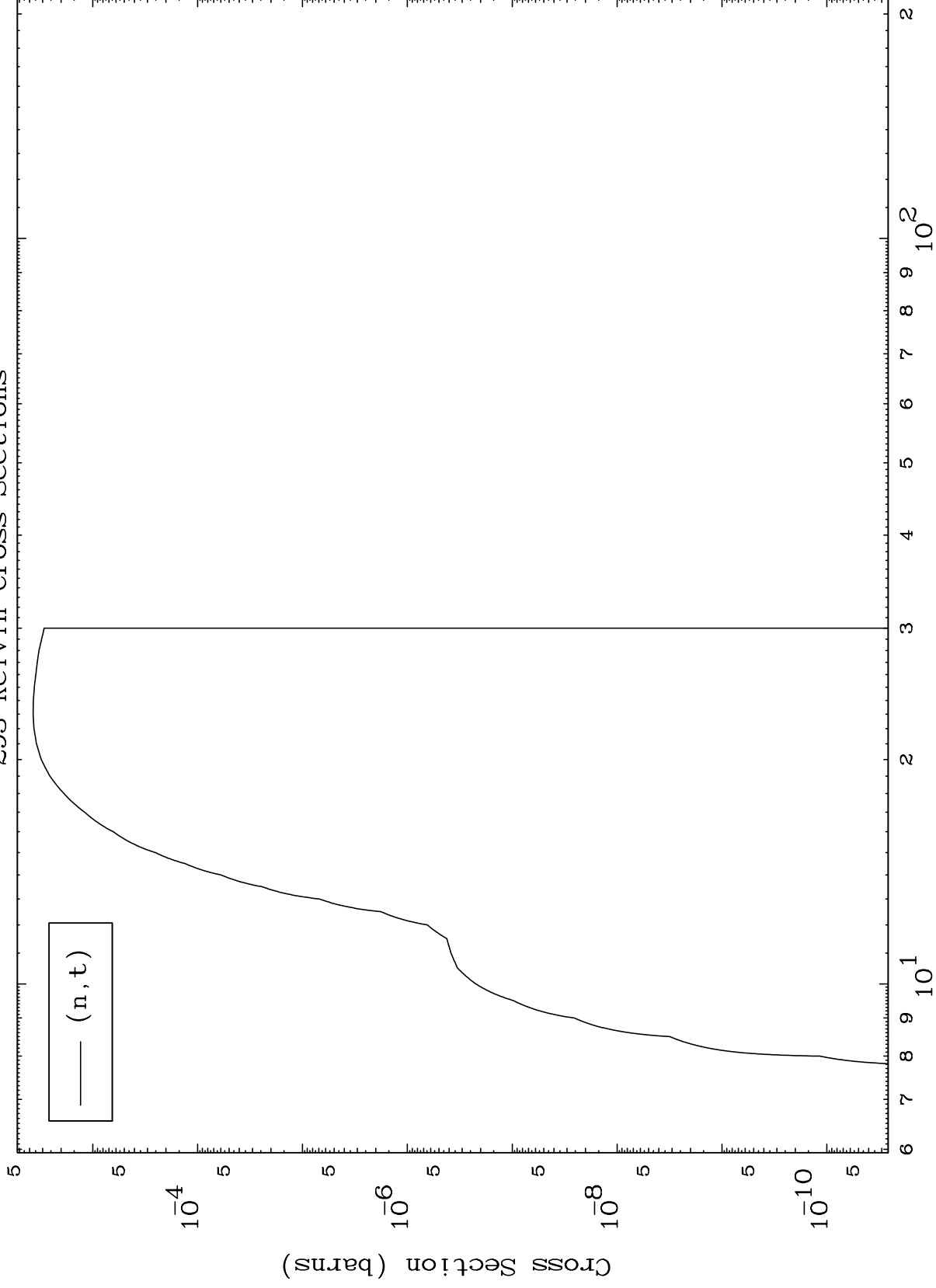
29-Cu-70



MAT 2948

(n,t) Levels
293 Kelvin Cross Sections

29-Cu-70



12

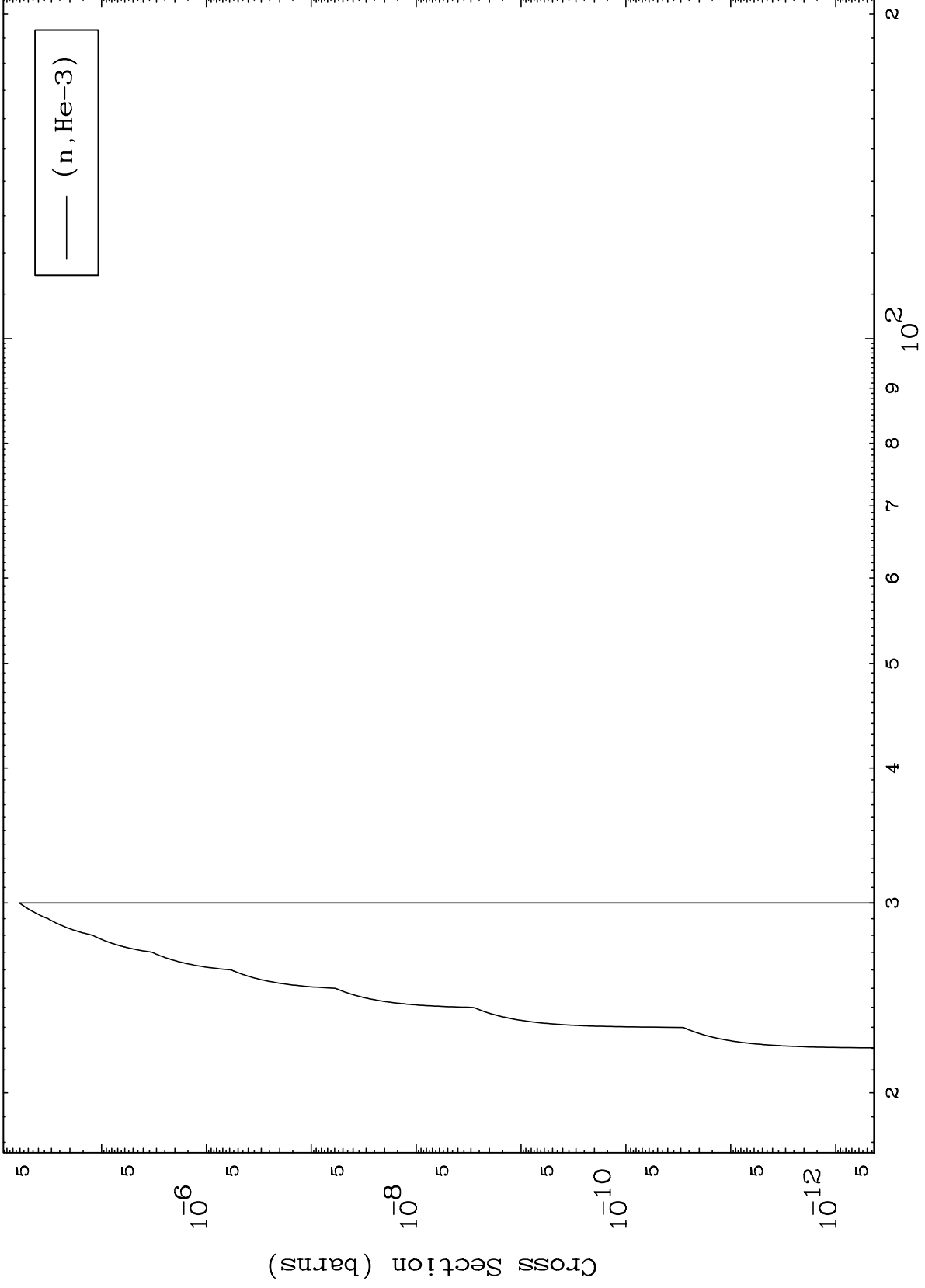
Incident Energy (MeV)

29-Cu-70

MAT 2948

(n,He3) Levels
293 Kelvin Cross Sections

29-Cu-70



13

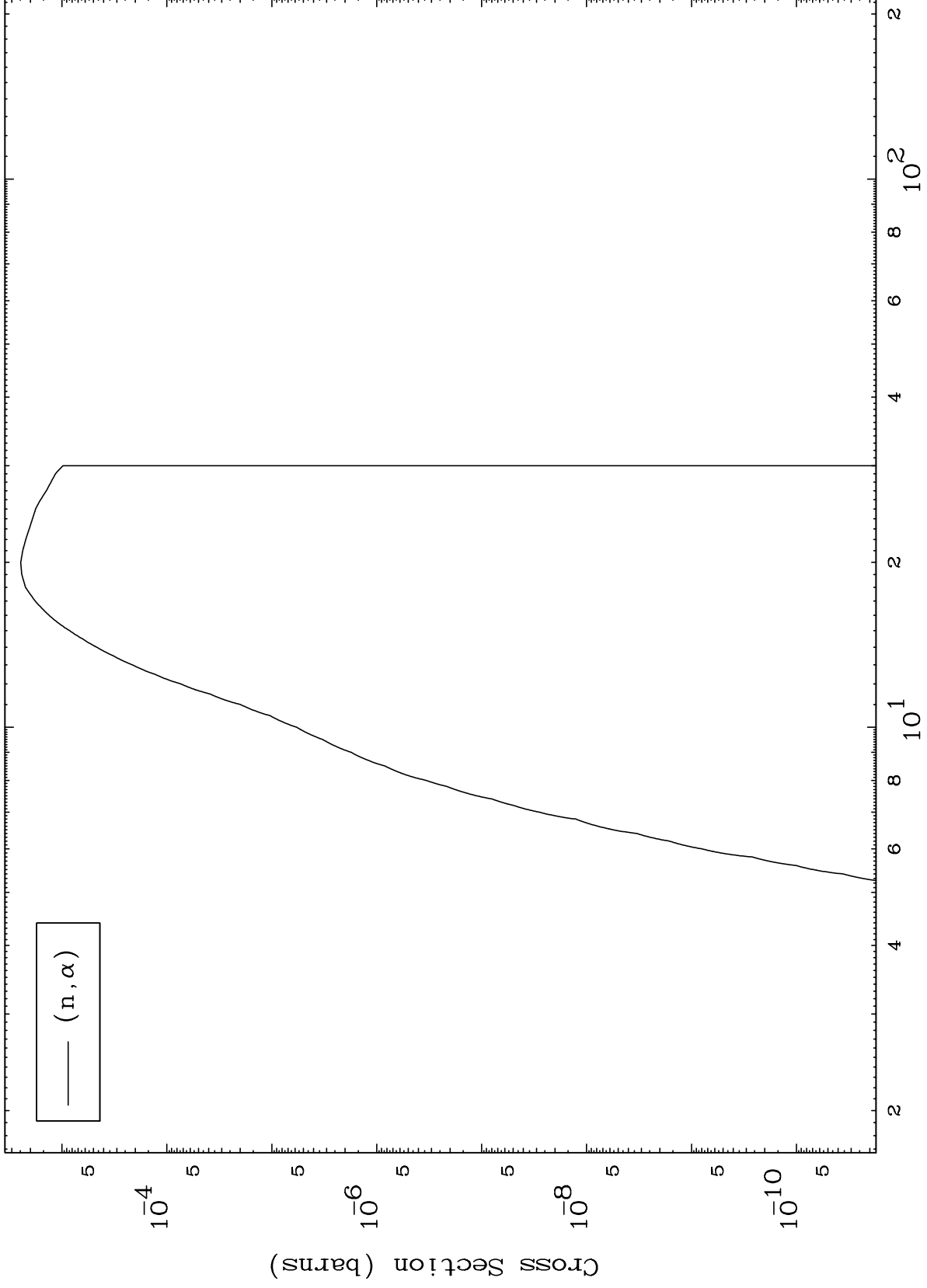
Incident Energy (MeV)

29-Cu-70

MAT 2948

(n, α) Levels
293 Kelvin Cross Sections

29-Cu-70

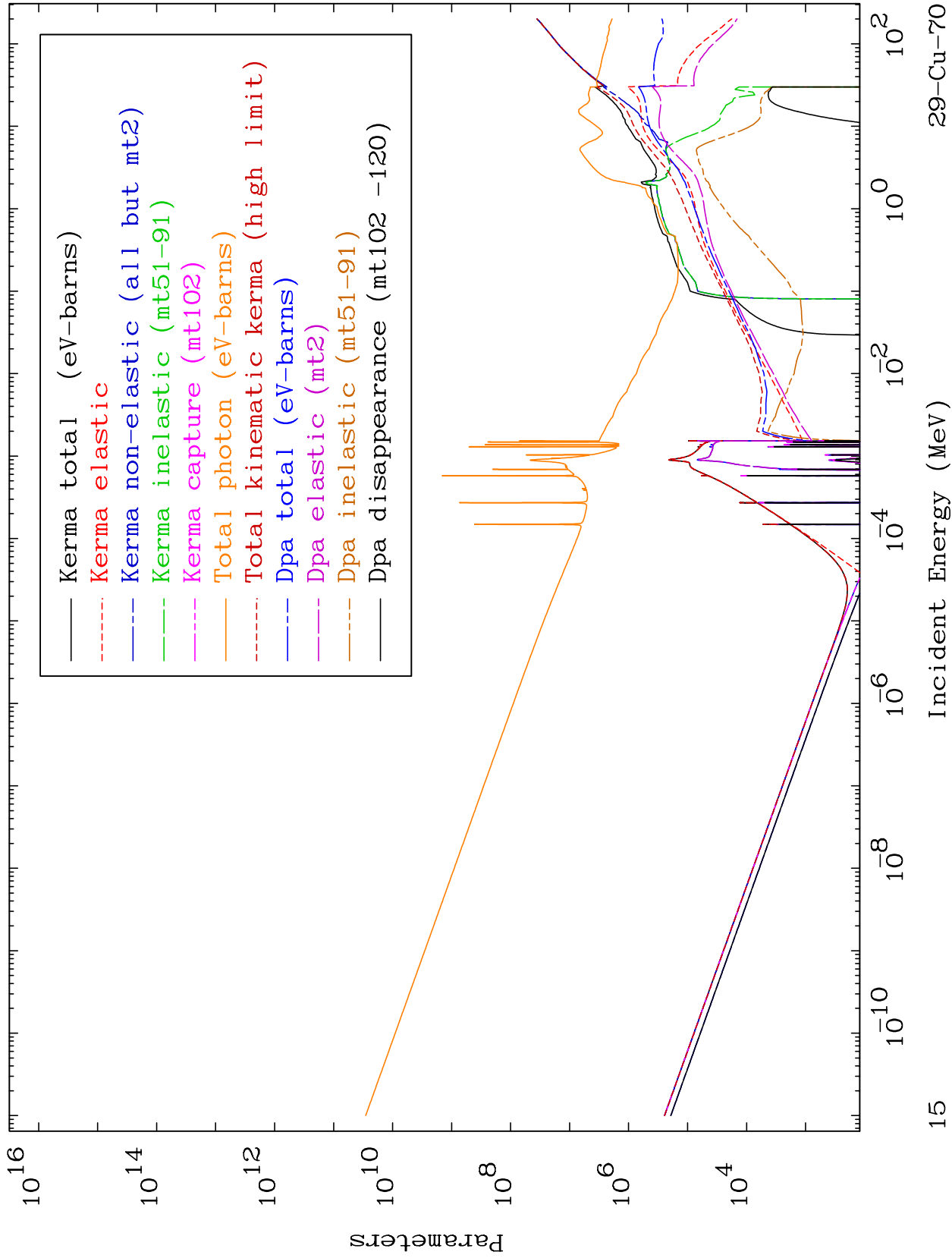


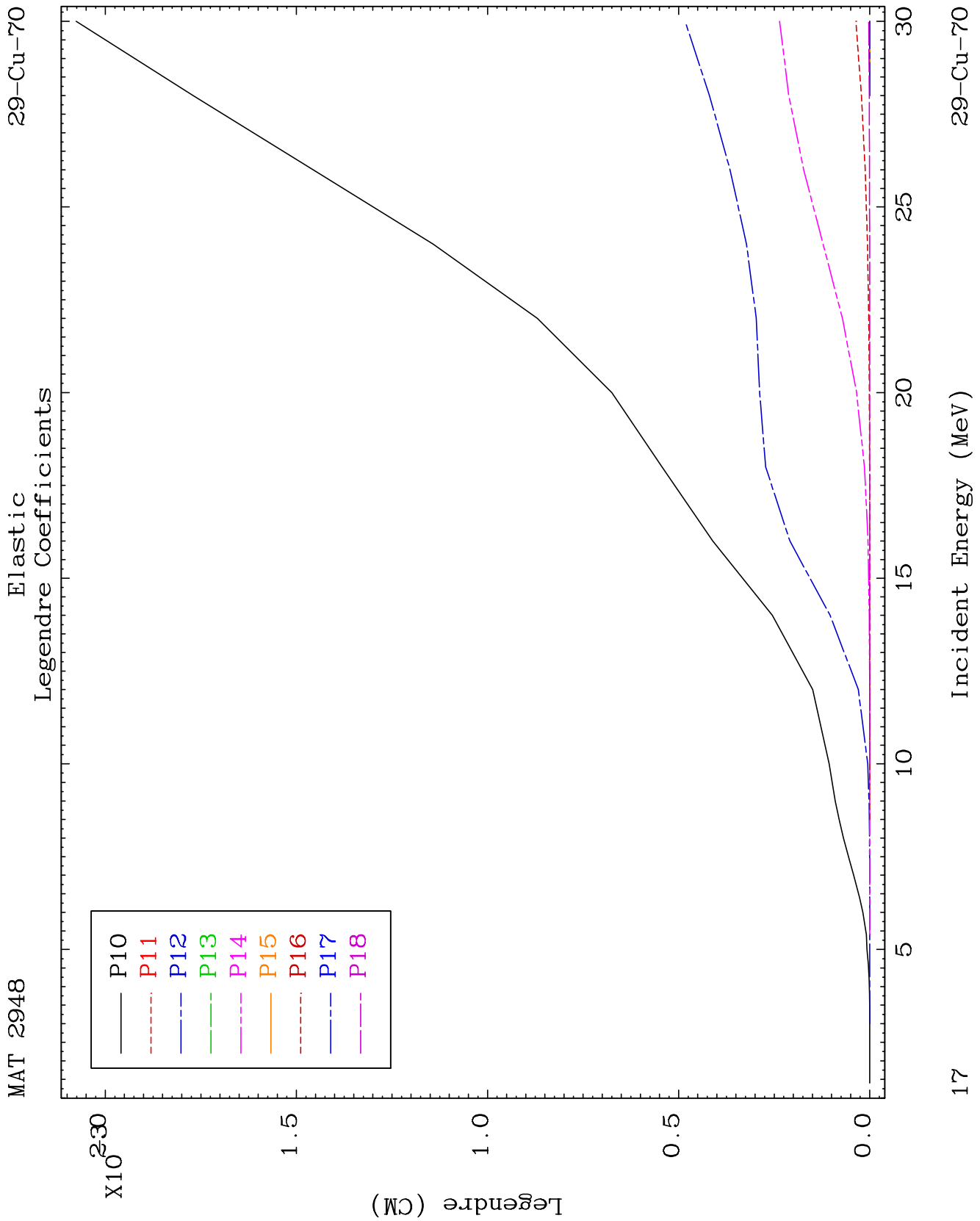
(n, α)

14

Incident Energy (MeV)

29-Cu-70

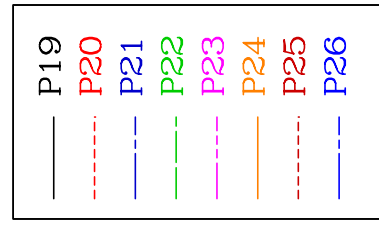




MAT 2948

Elastic
Legendre Coefficients

29-Cu-70



$\times 10^{-7}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

25

30

18

Incident Energy (MeV)

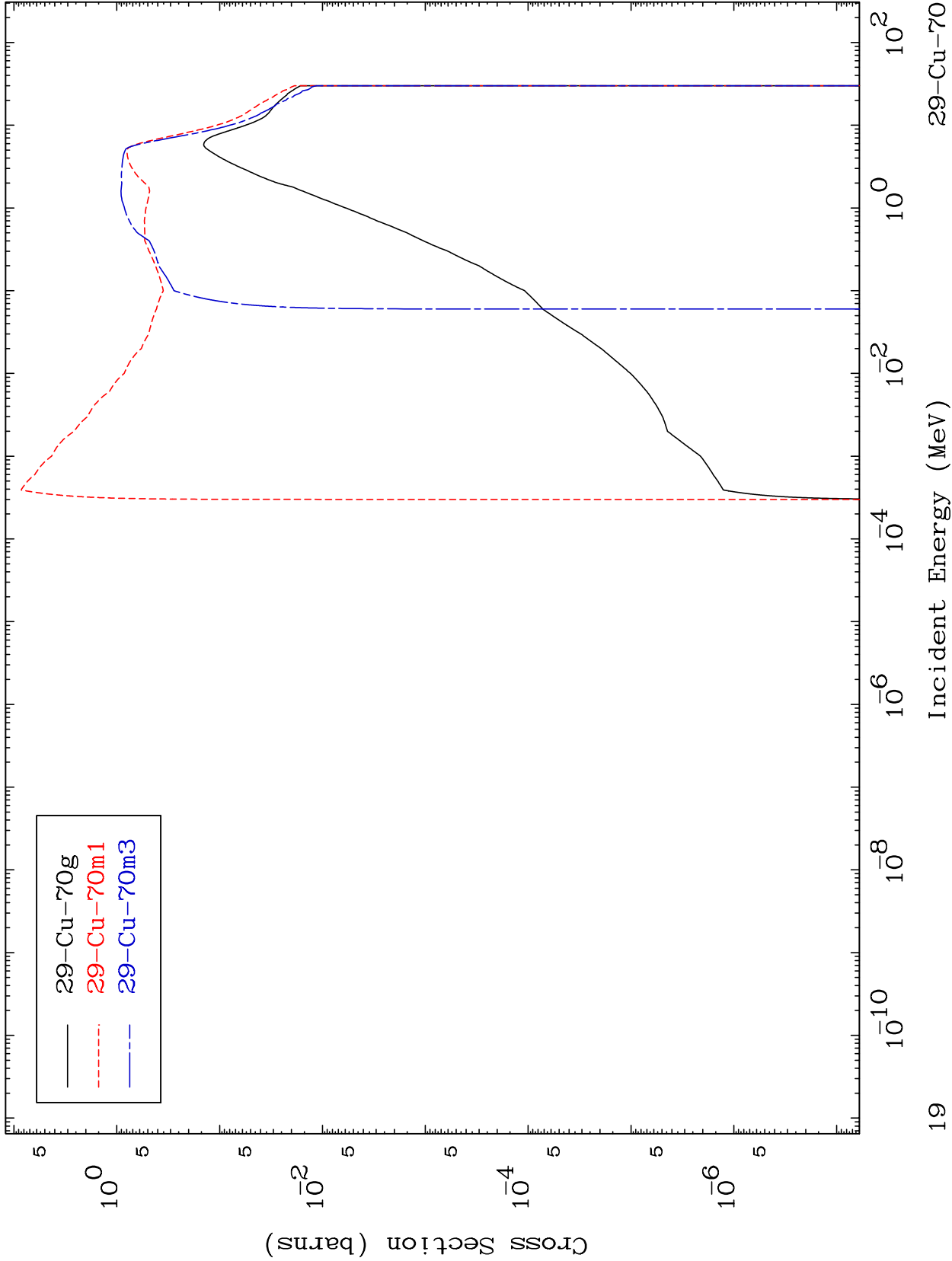
29-Cu-70



MAT 2948

Radionuclide Production Cross Section

²⁹Cu-70



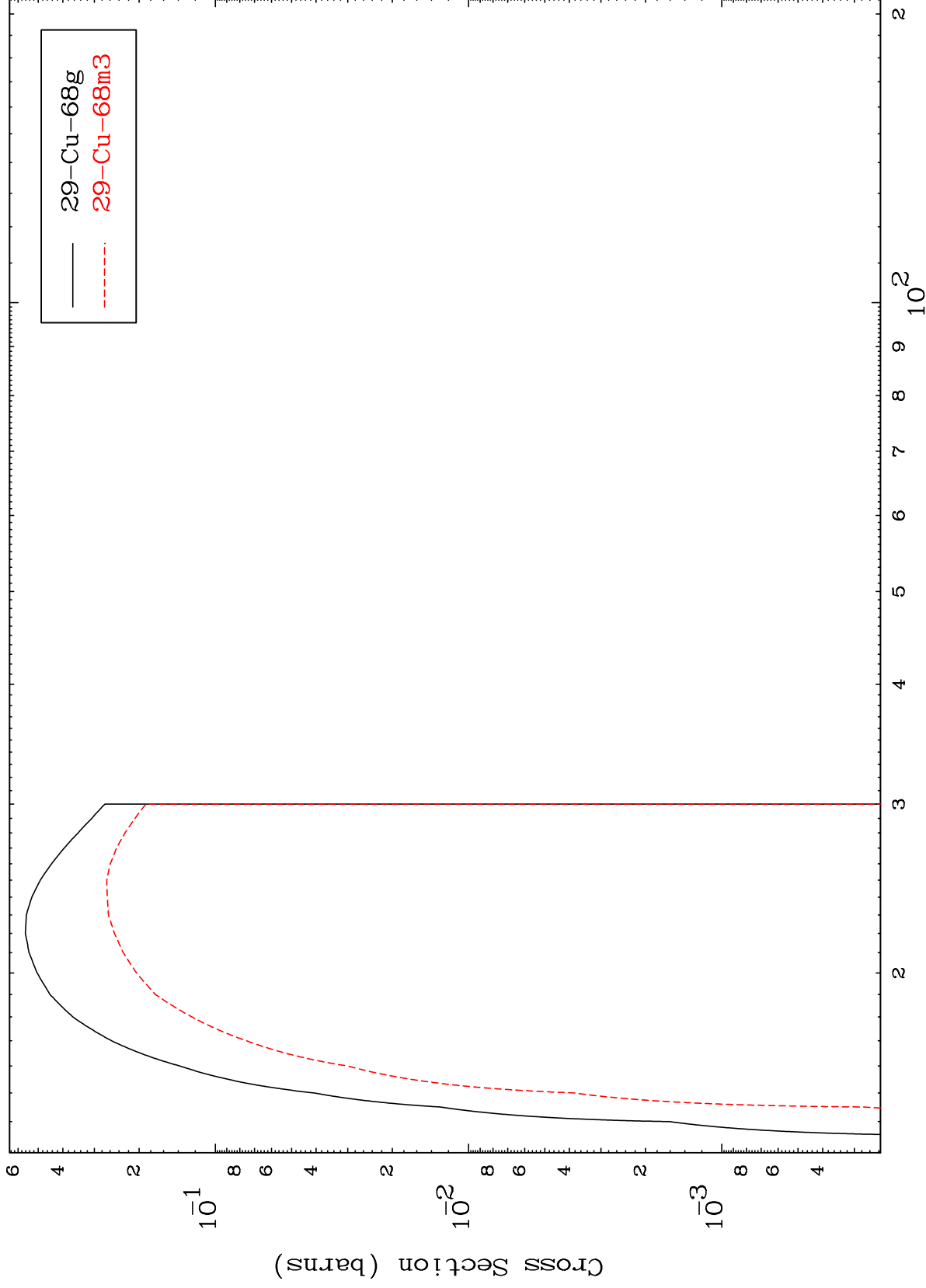
Legend:
— 29-Cu-70g
- - - 29-Cu-70m1
- · - 29-Cu-70m3

MAT 2948

(n,3n)

29-Cu-70

Radionuclide Production Cross Section



20

Incident Energy (MeV)

29-Cu-70

Radionuclide Production Cross Section

