

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

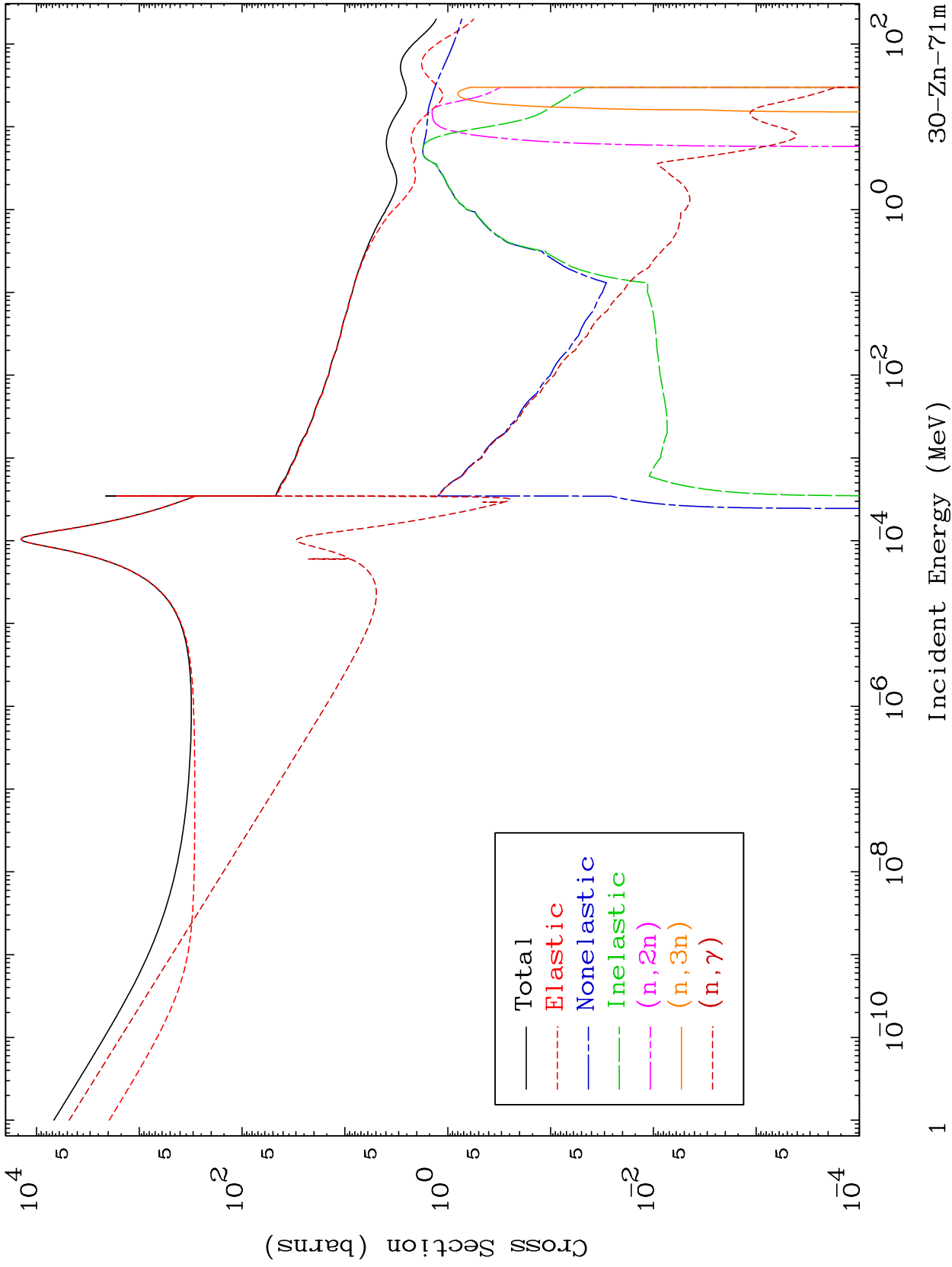
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3047

Neutron Major  
293 Kelvin Cross Sections

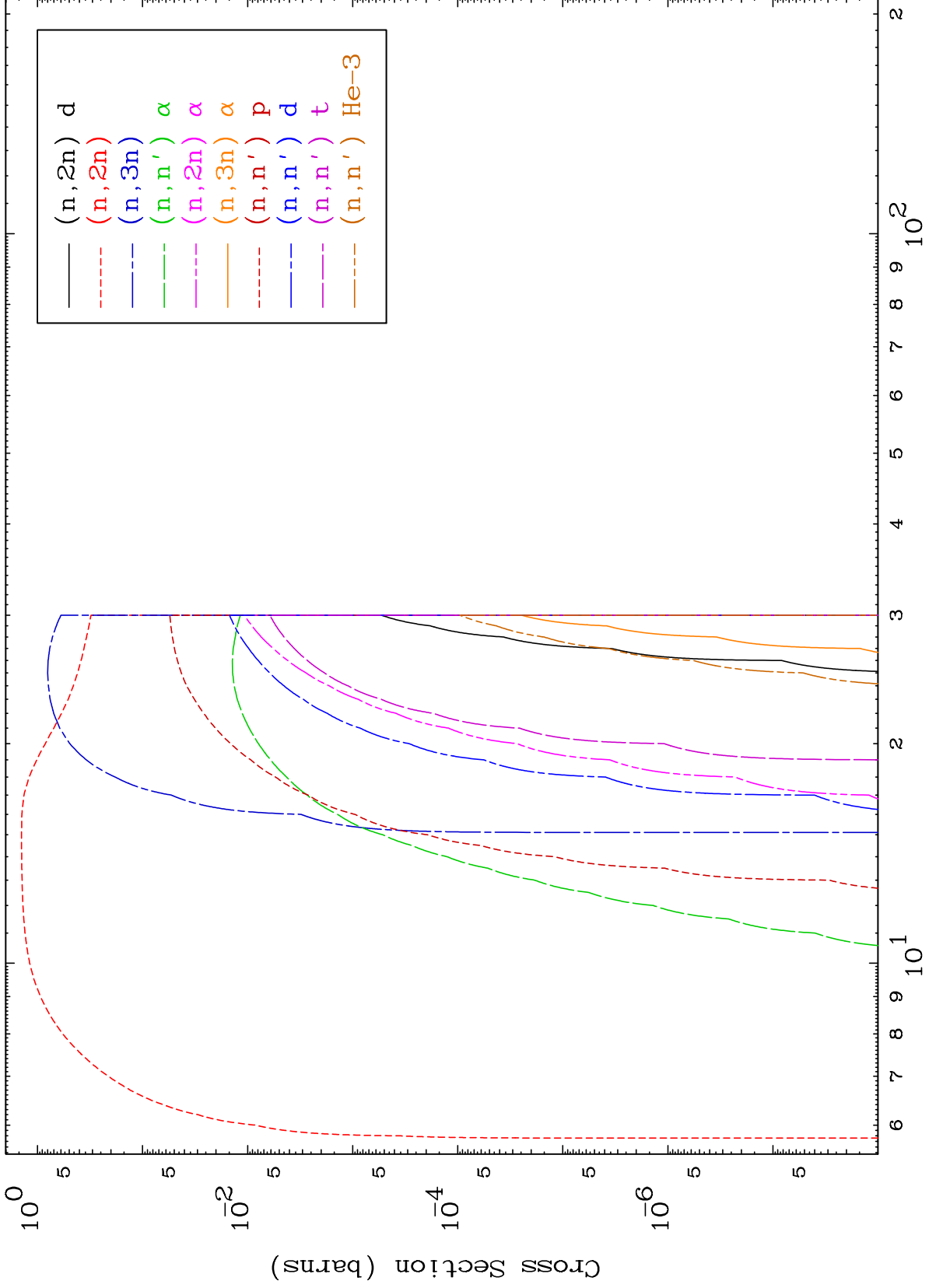
30-Zn-71m



MAT 3047

Neutron Absorption  
293 Kelvin Cross Sections

30-Zn-71m



2

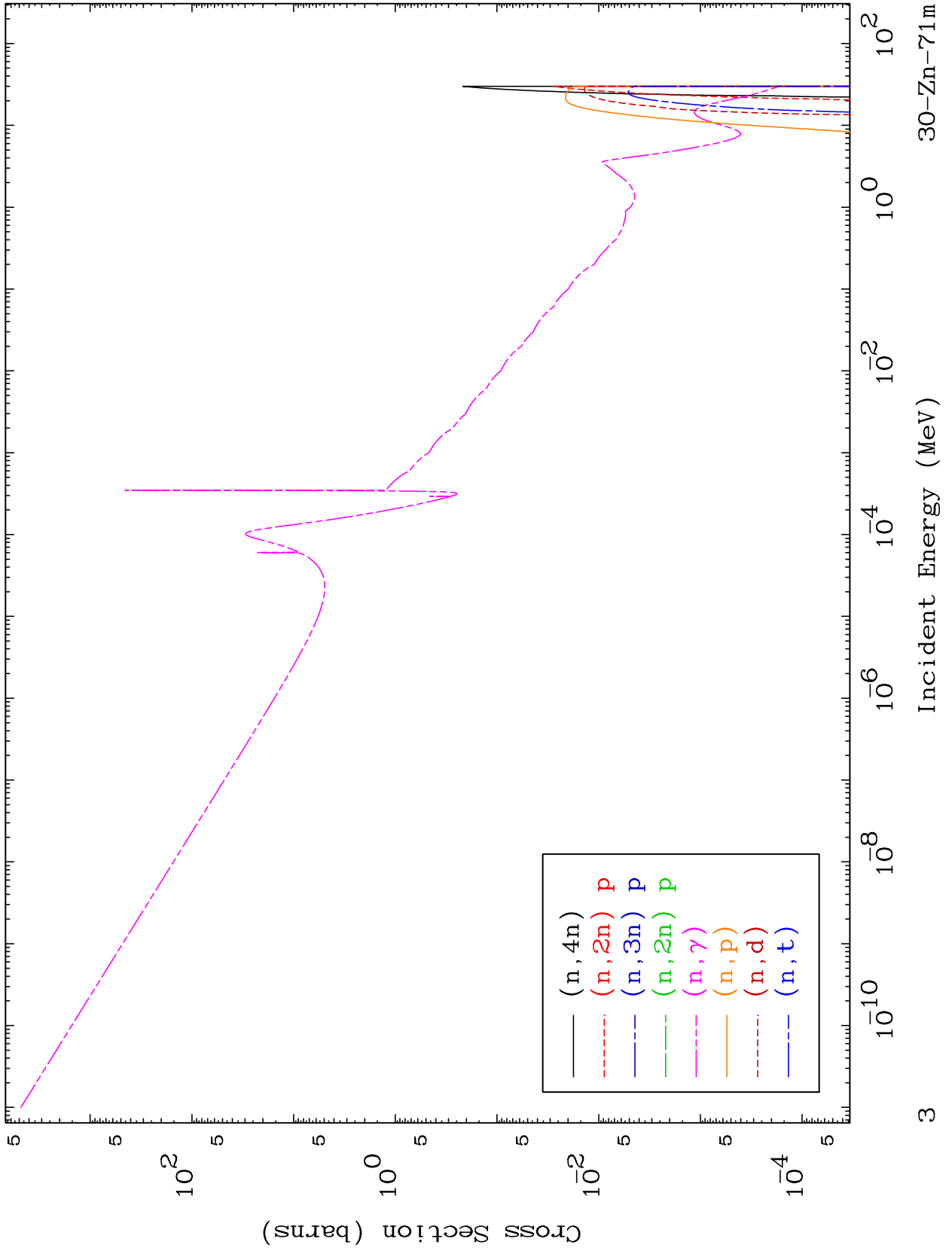
Incident Energy (MeV)

30-Zn-71m

MAT 3047

Neutron Absorption  
293 Kelvin Cross Sections

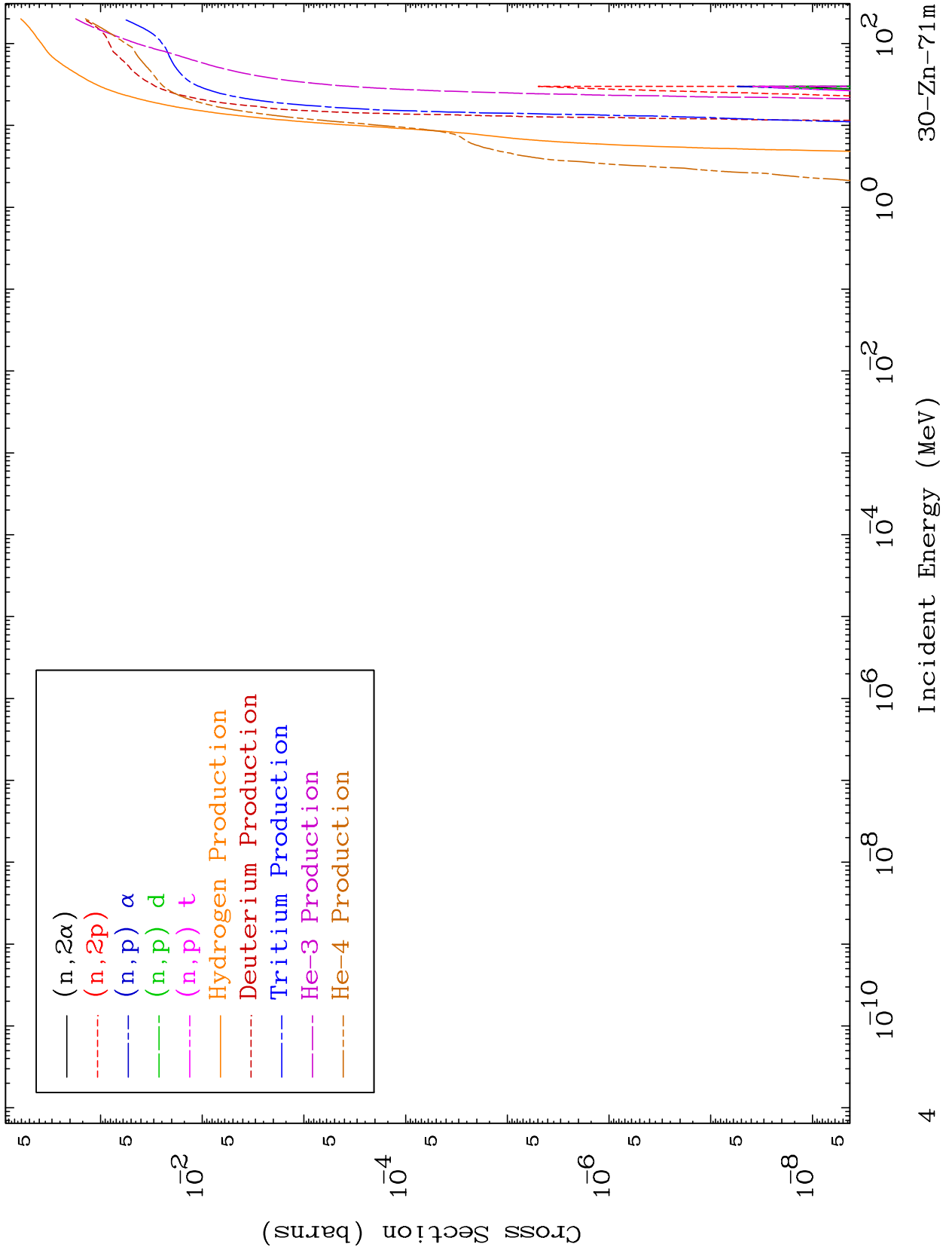
30-Zn-71m



MAT 3047

Neutron Absorption  
293 Kelvin Cross Sections

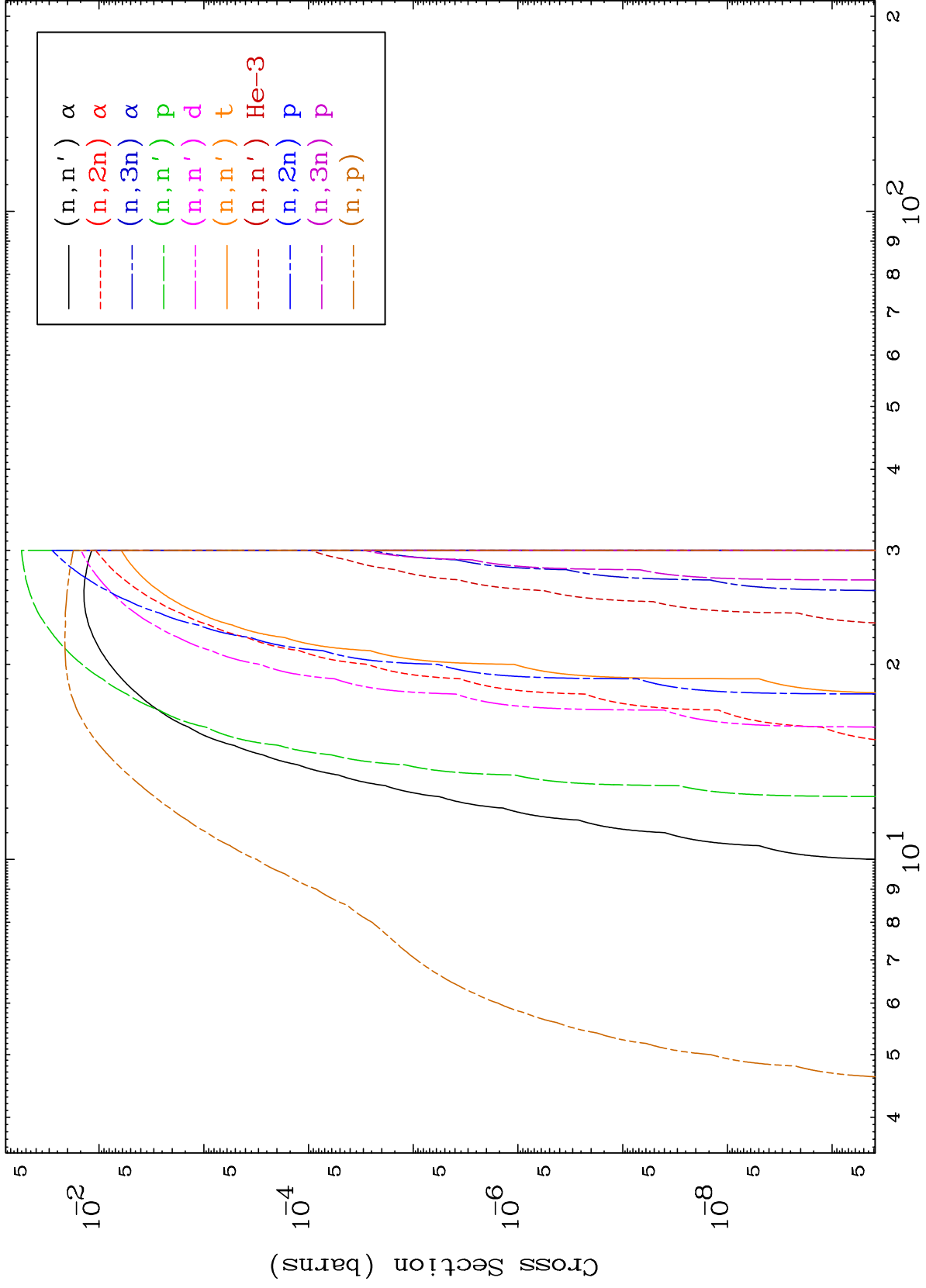
30-Zn-71m



MAT 3047

Charged Particle  
293 Kelvin Cross Sections

30-Zn-71m



5

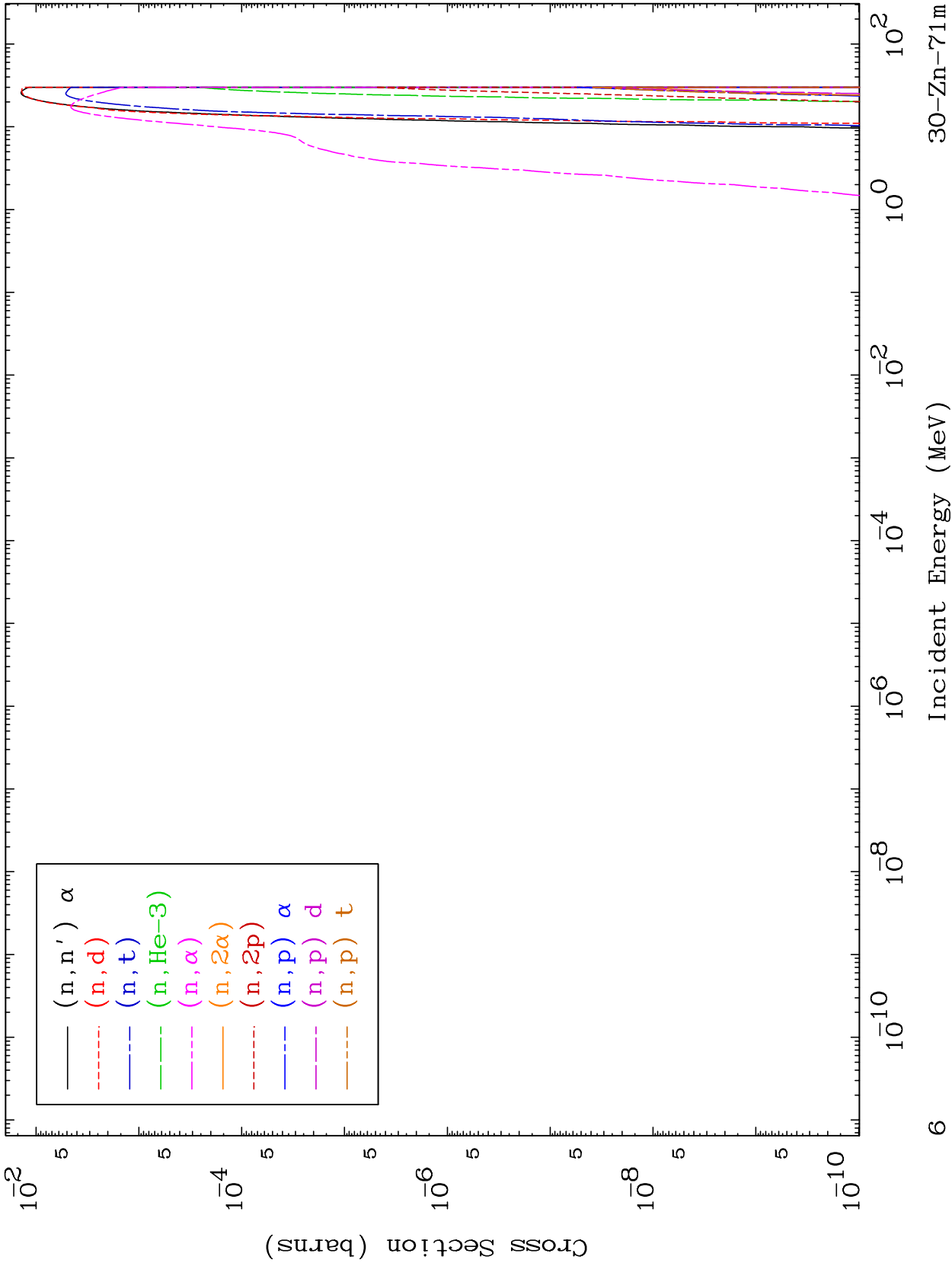
Incident Energy (MeV)

30-Zn-71m

MAT 3047

Charged Particle  
293 Kelvin Cross Sections

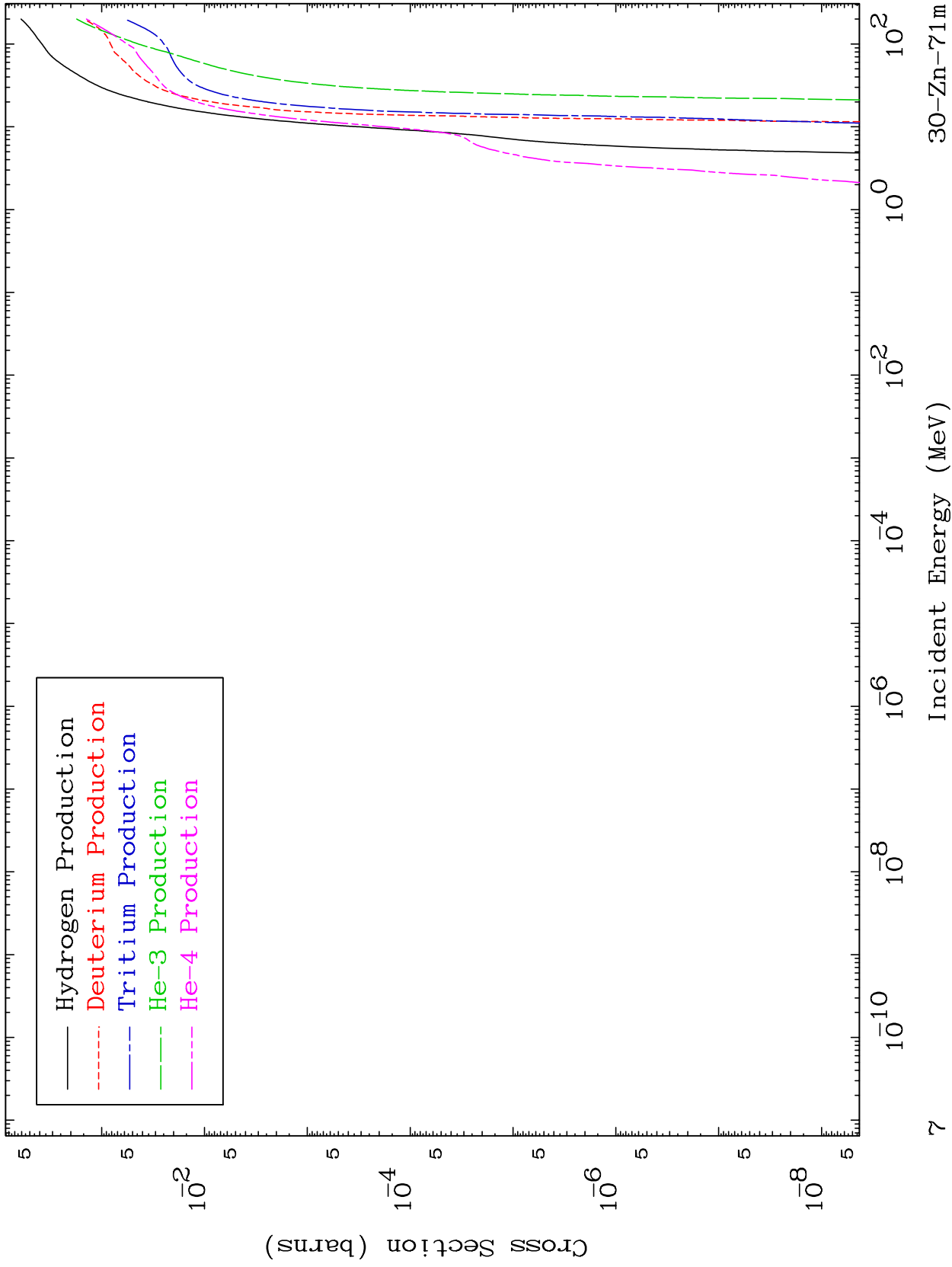
30-Zn-71m



MAT 3047

Particle Production  
293 Kelvin Cross Sections

30-Zn-71m

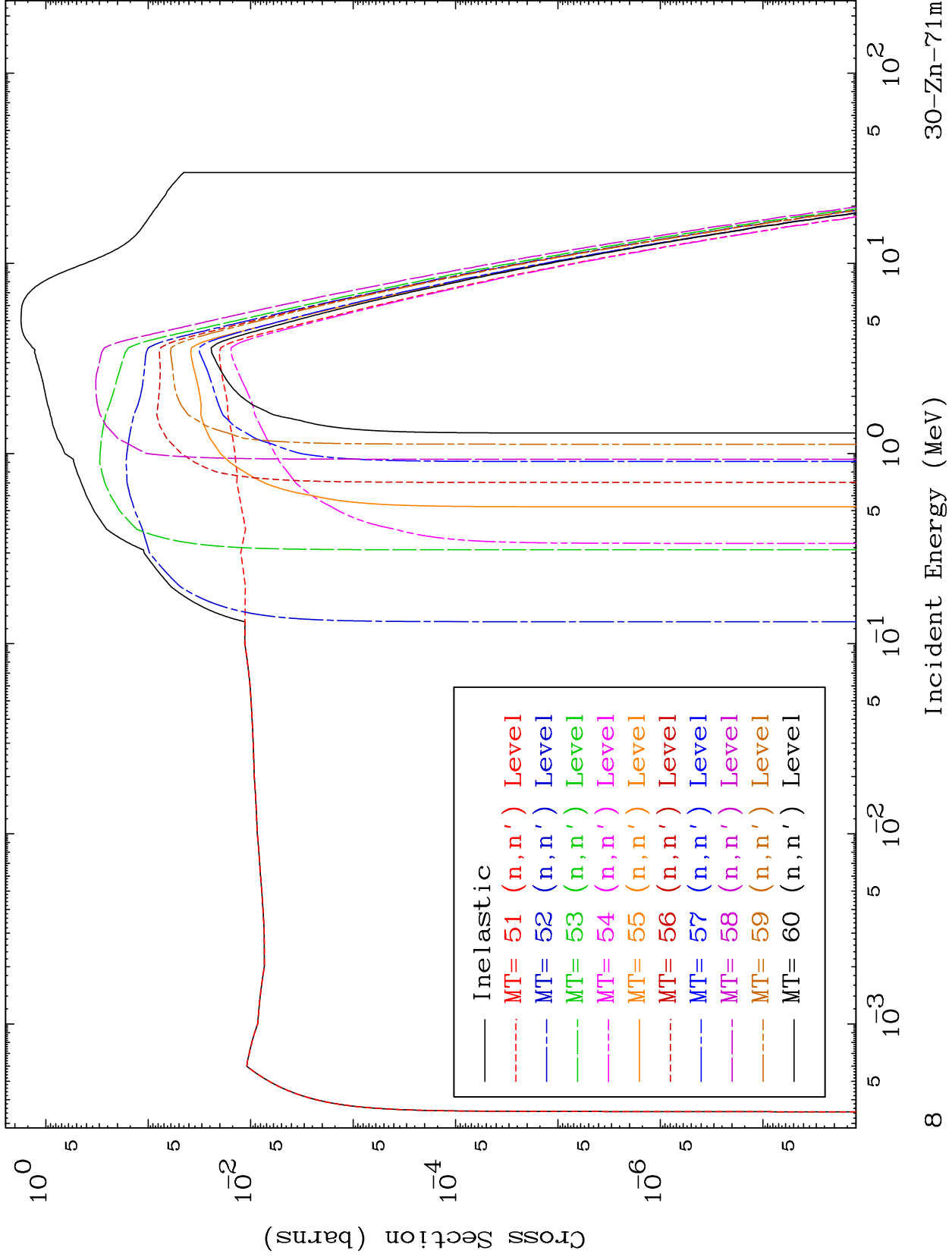




MAT 3047

293 Kelvin Cross Sections  
(n,n') Levels

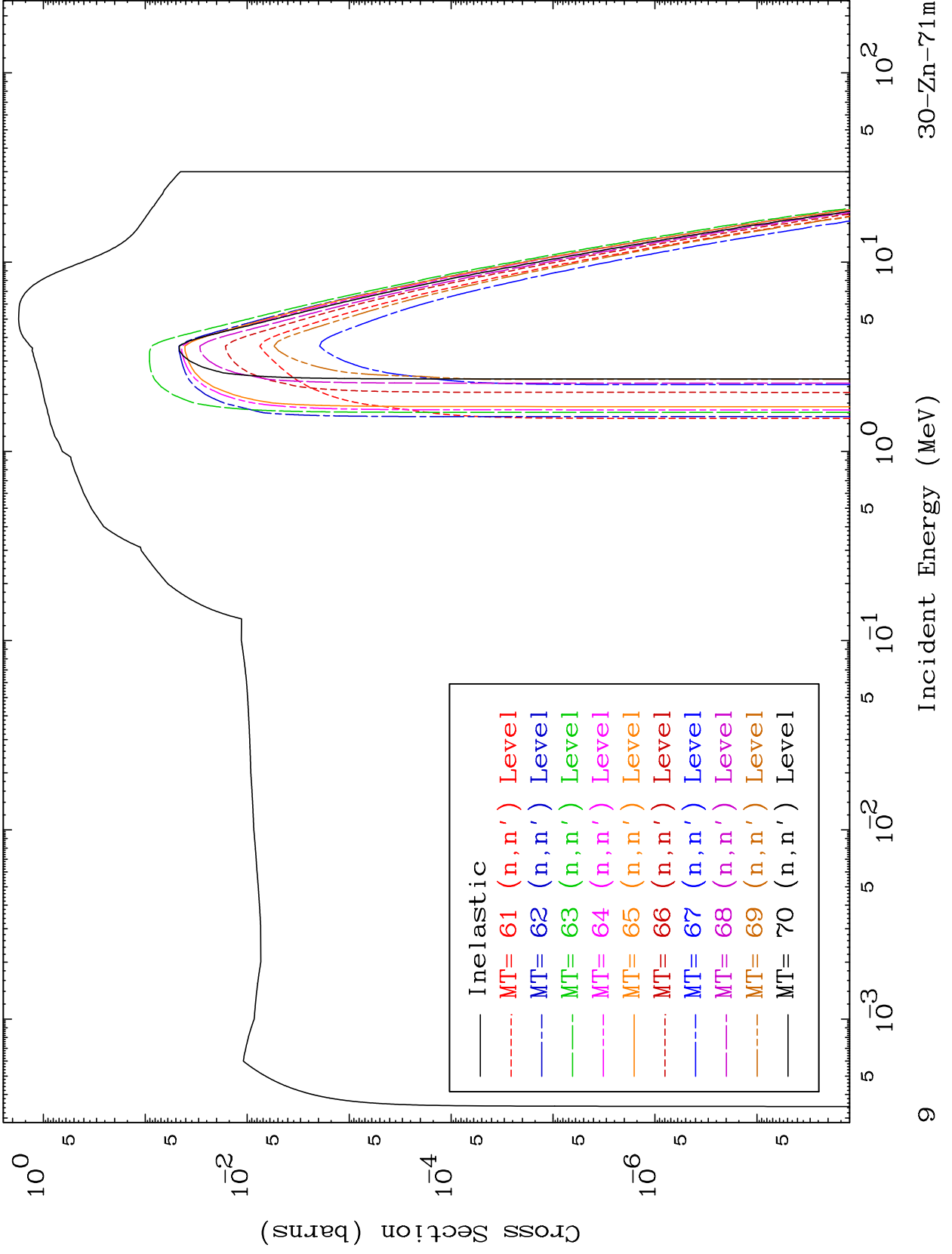
30-Zn-71m



MAT 3047

(n,n') Levels  
293 Kelvin Cross Sections

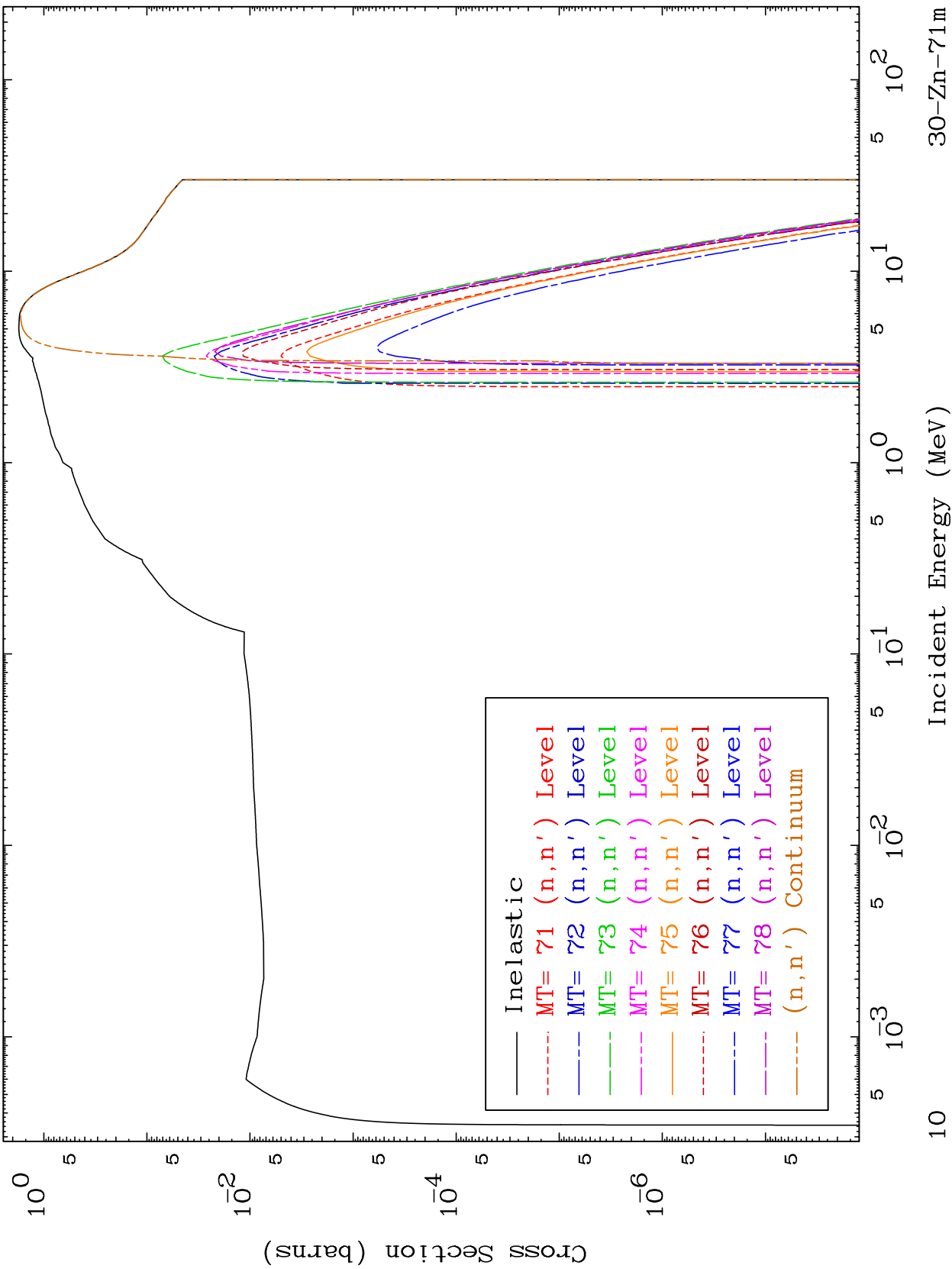
30-Zn-71m



MAT 3047

(n,n') Levels  
293 Kelvin Cross Sections

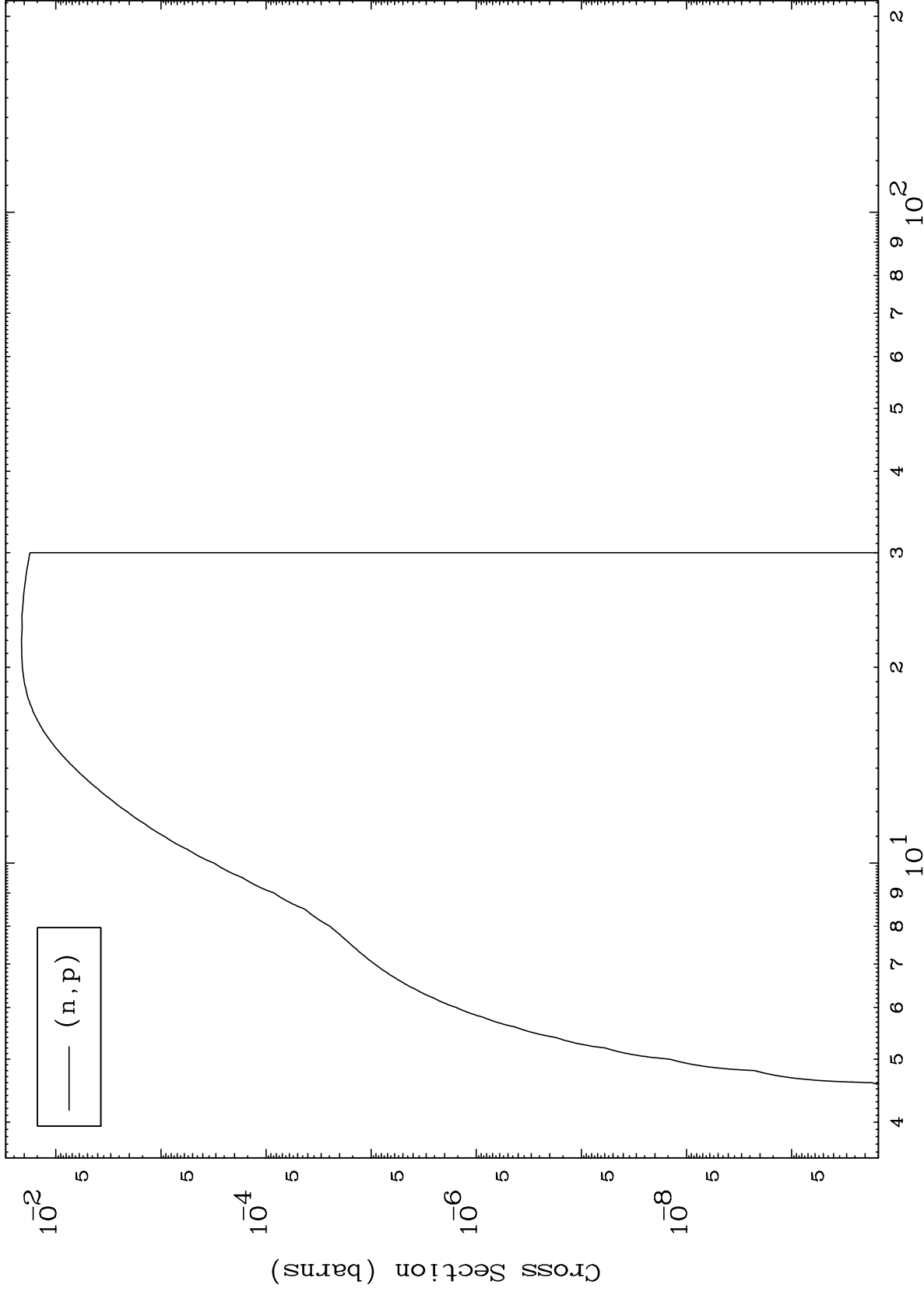
30-Zn-71m



MAT 3047

(n,p) Levels  
293 Kelvin Cross Sections

30-Zn-71m



11

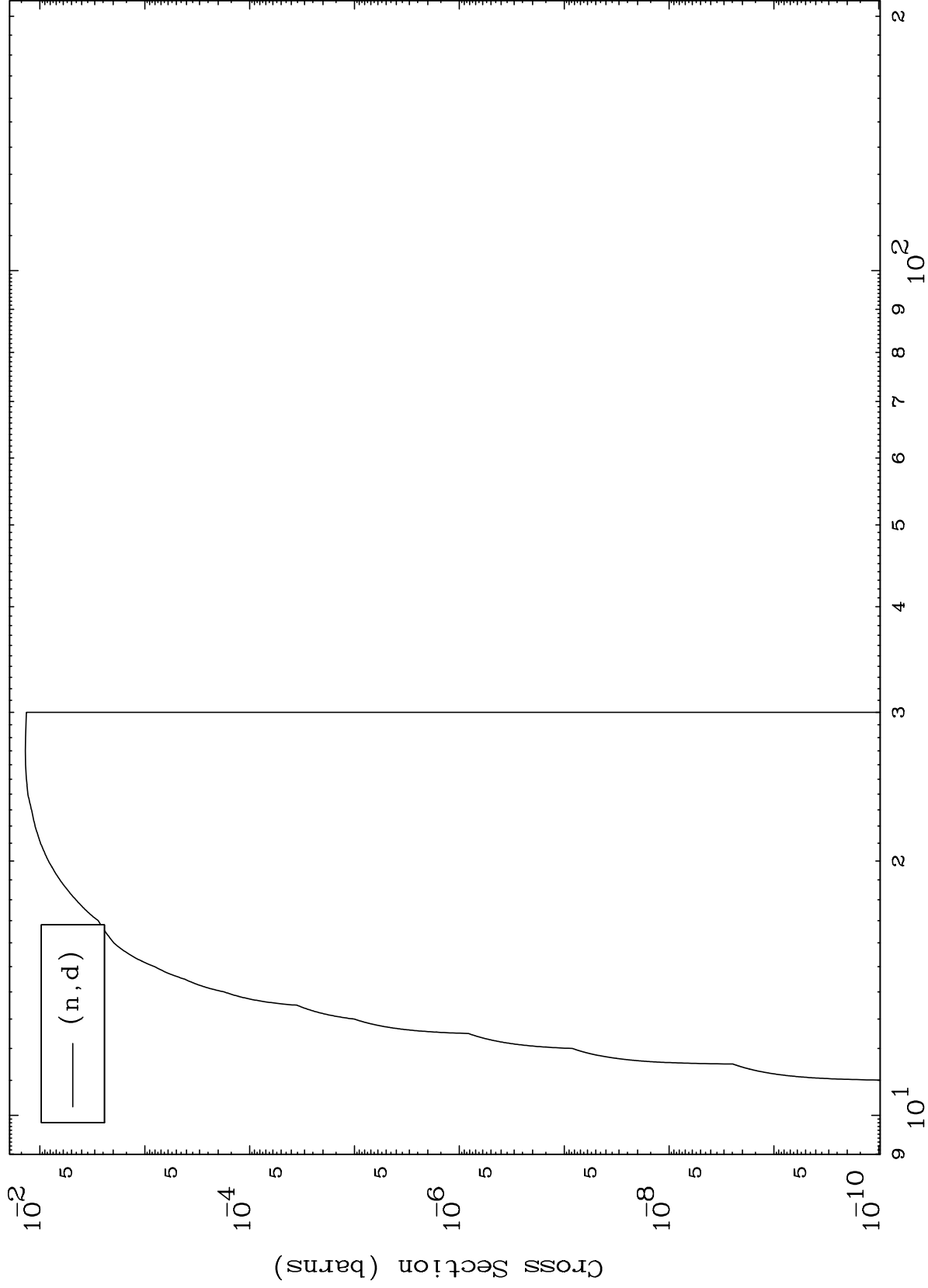
Incident Energy (MeV)

30-Zn-71m

MAT 3047

(n,d) Levels  
293 Kelvin Cross Sections

30-Zn-71m



12

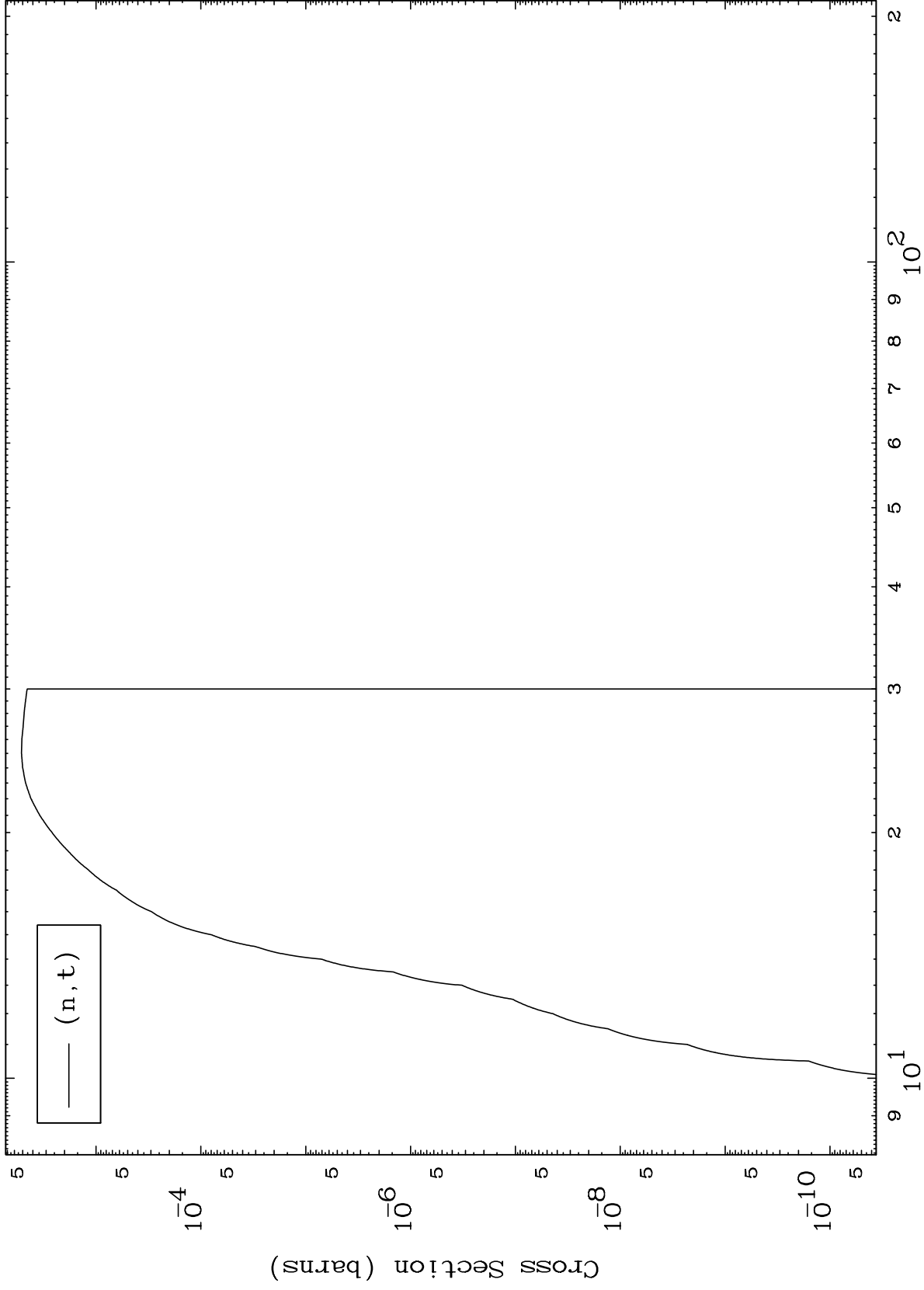
Incident Energy (MeV)

30-Zn-71m

MAT 3047

(n,t) Levels  
293 Kelvin Cross Sections

30-Zn-71m



13

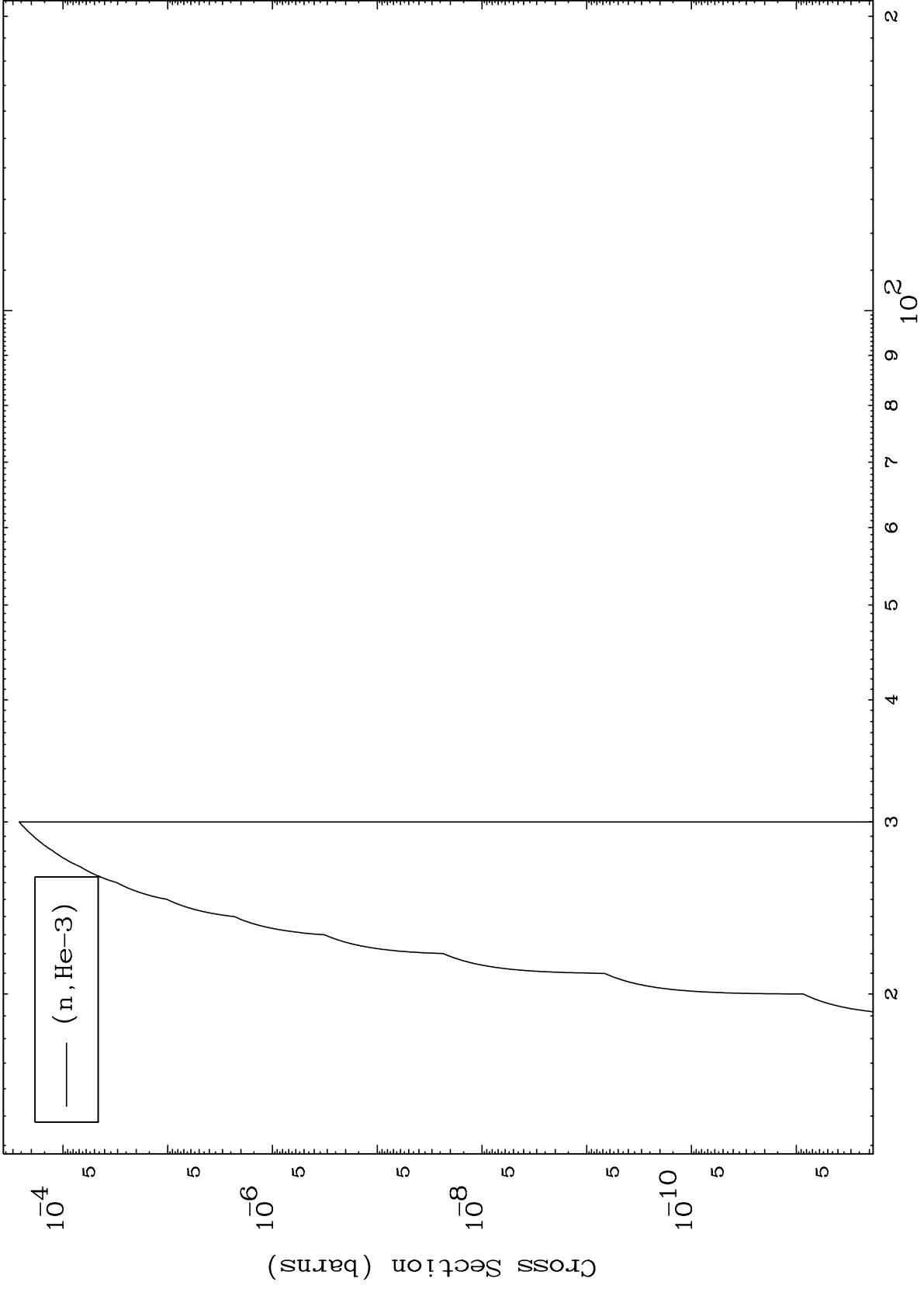
Incident Energy (MeV)

30-Zn-71m

MAT 3047

(n,He3) Levels  
293 Kelvin Cross Sections

30-Zn-71m



14

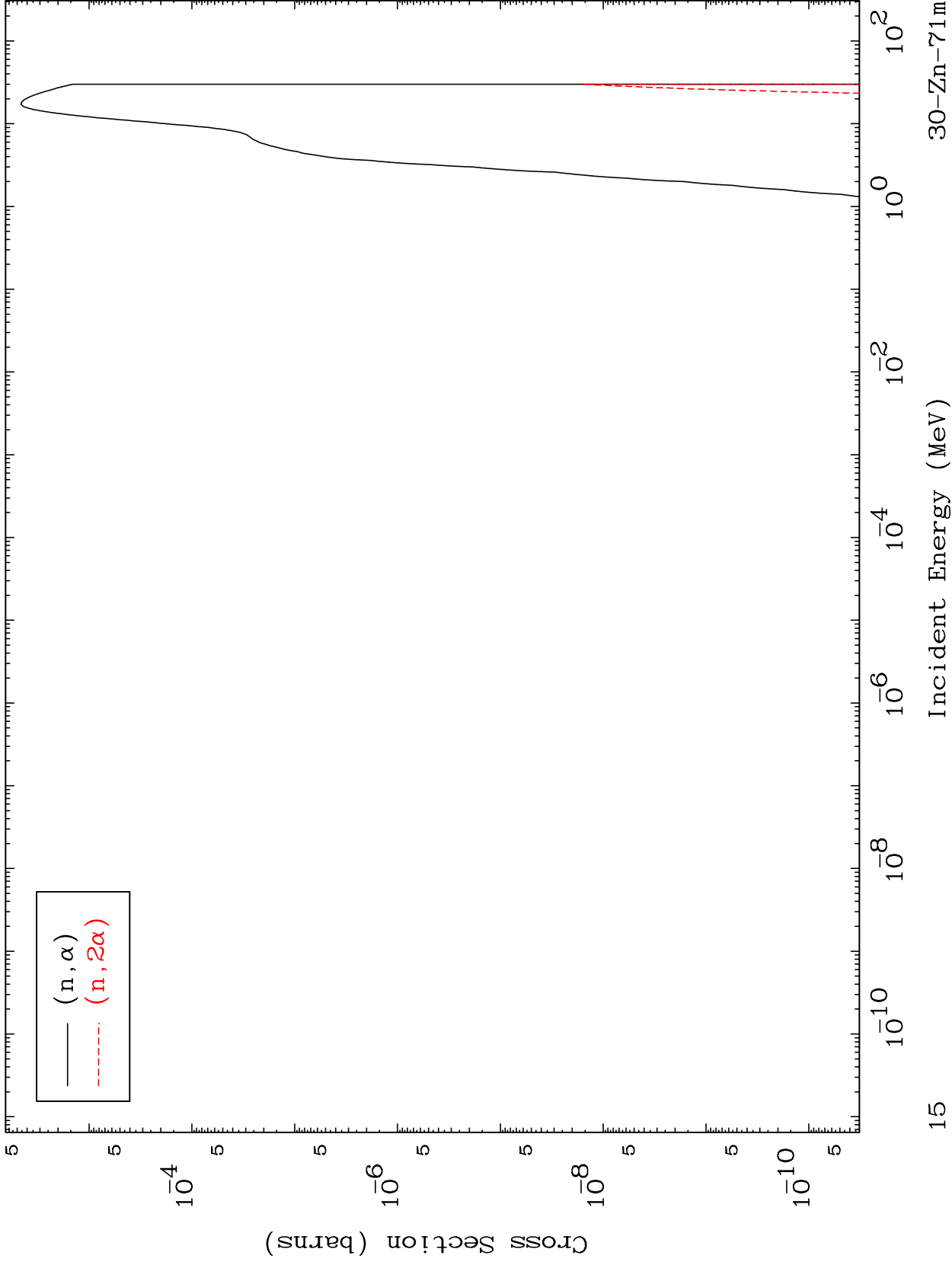
Incident Energy (MeV)

30-Zn-71m

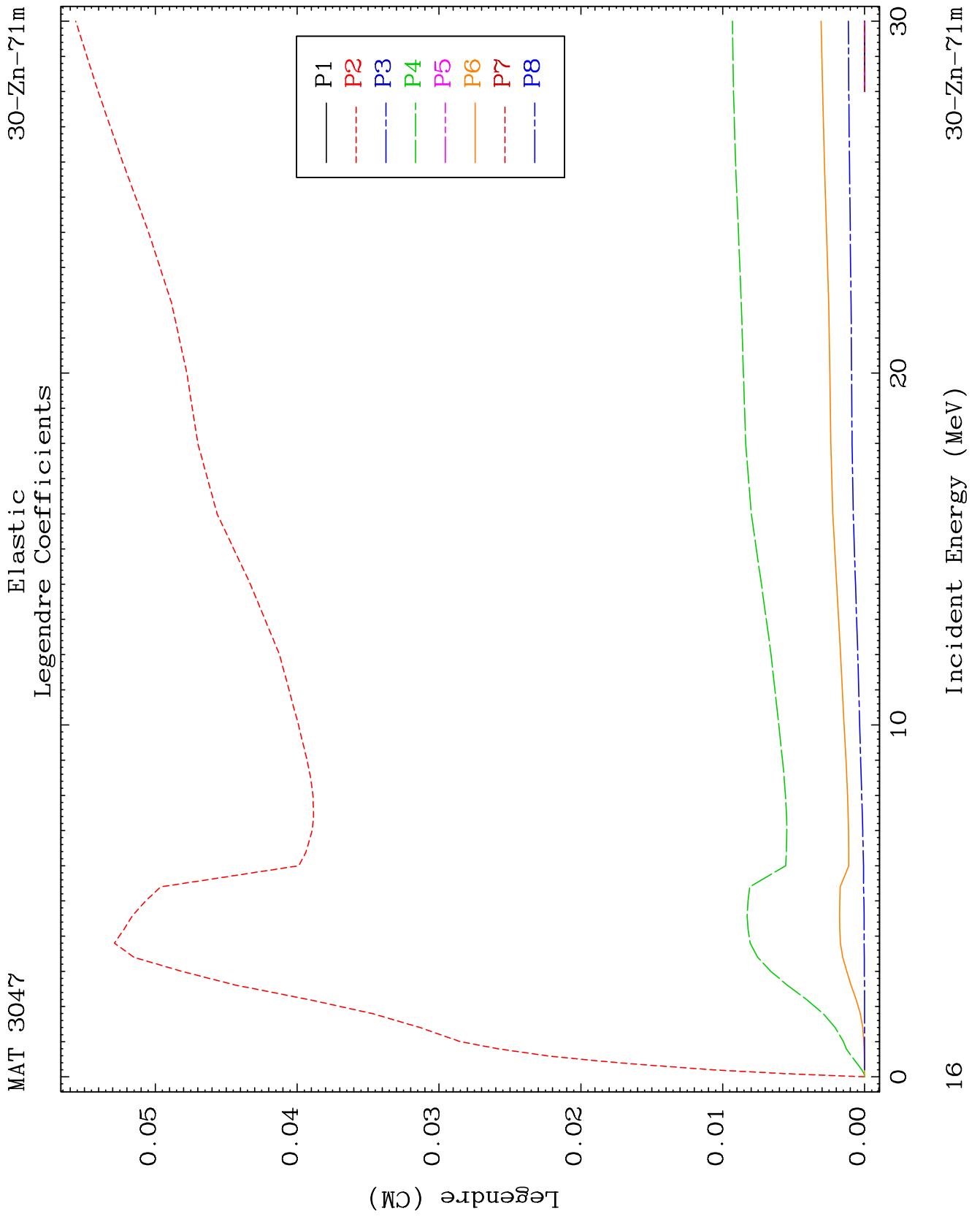
MAT 3047

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

30-Zn-71m



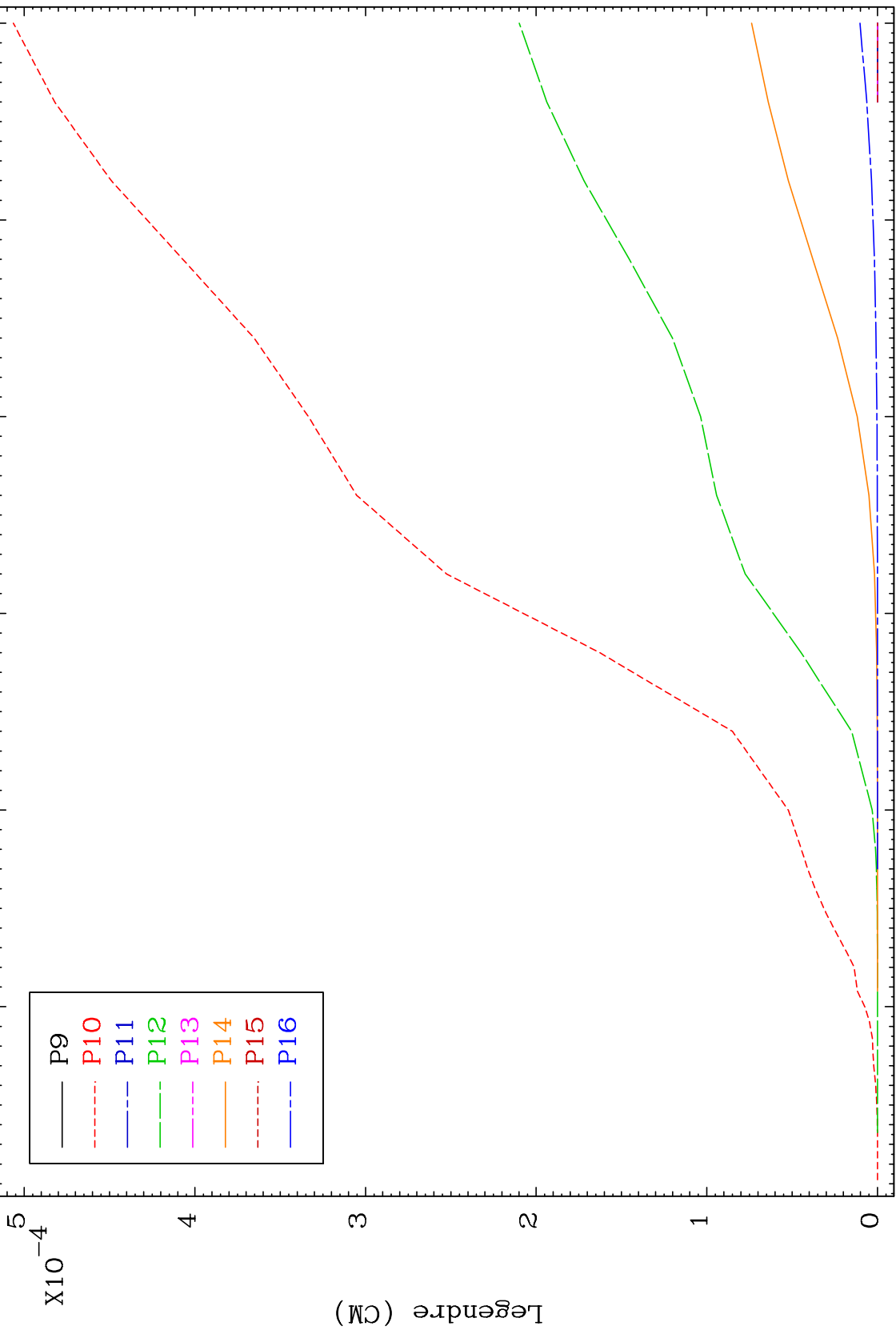




MAT 3047

Elastic Legendre Coefficients

30-Zn-71m



17

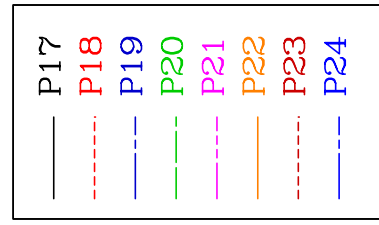
30-Zn-71m

Incident Energy (MeV)

MAT 3047

Elastic  
Legendre Coefficients

30-Zn-71m



$\times 10^{-7}$

6

4

2

0

Legendre (CM)

15

20

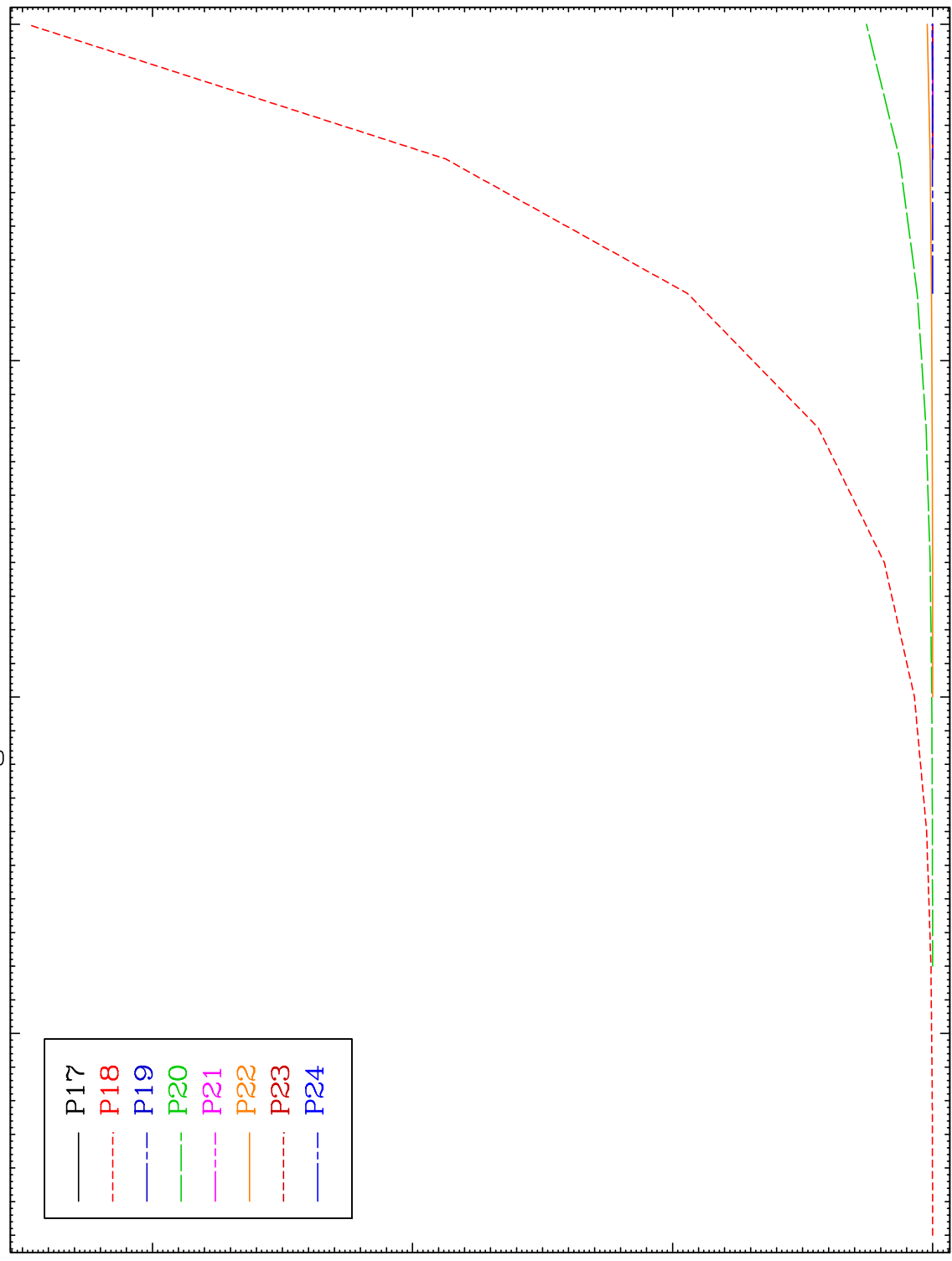
25

30

18

Incident Energy (MeV)

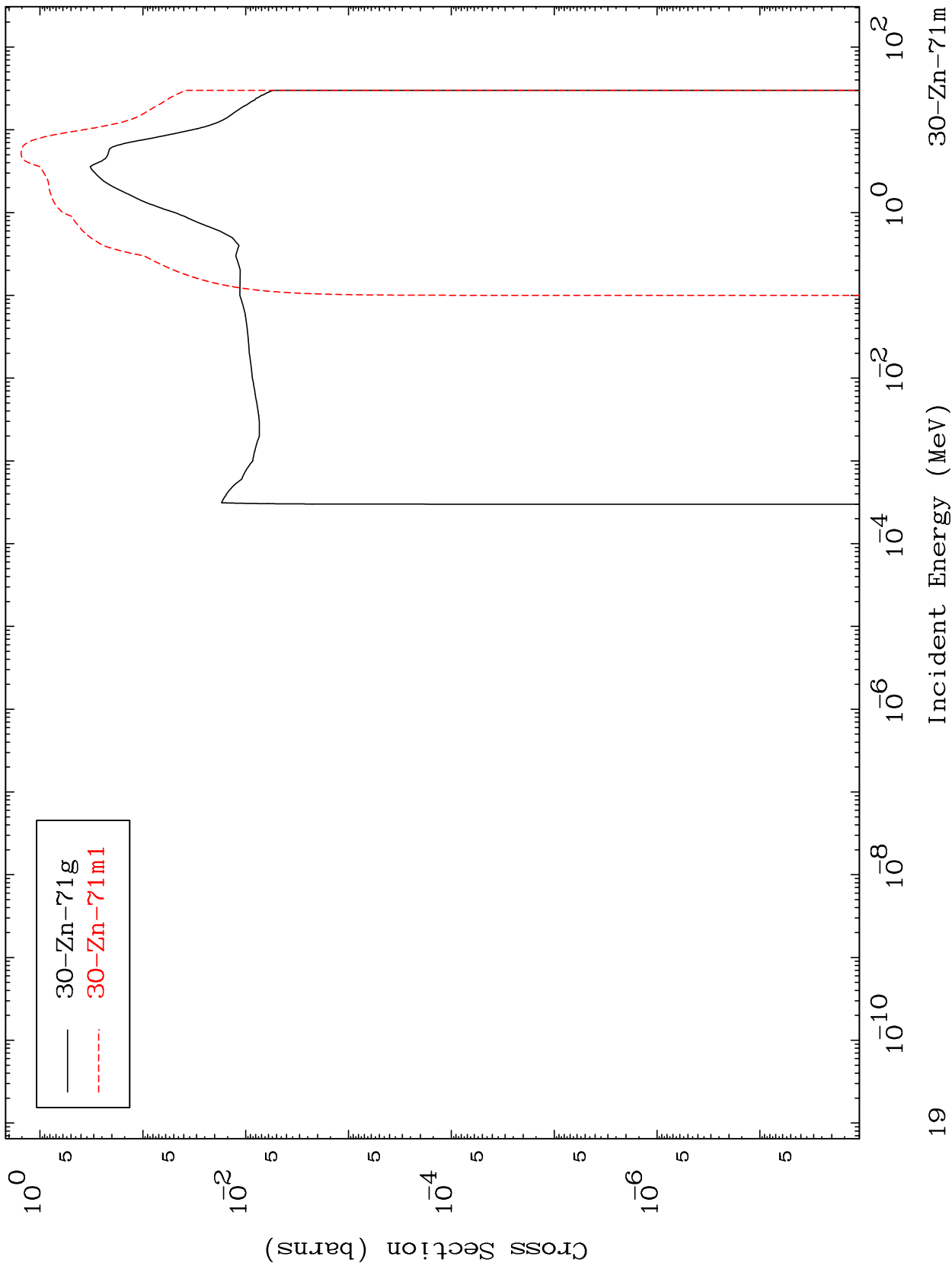
30-Zn-71m

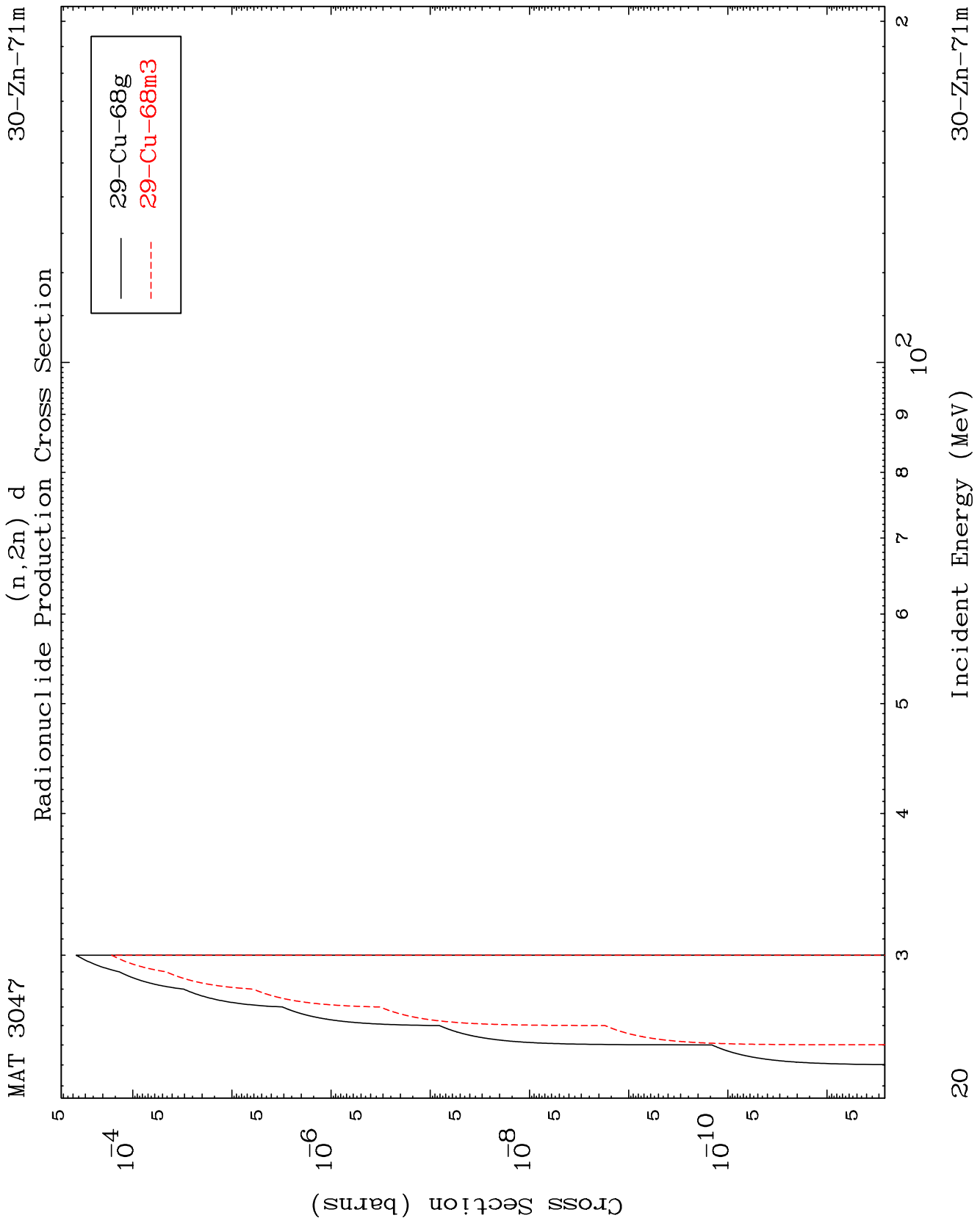


MAT 3047

30-Zn-71m

Inelastic  
Radionuclide Production Cross Section



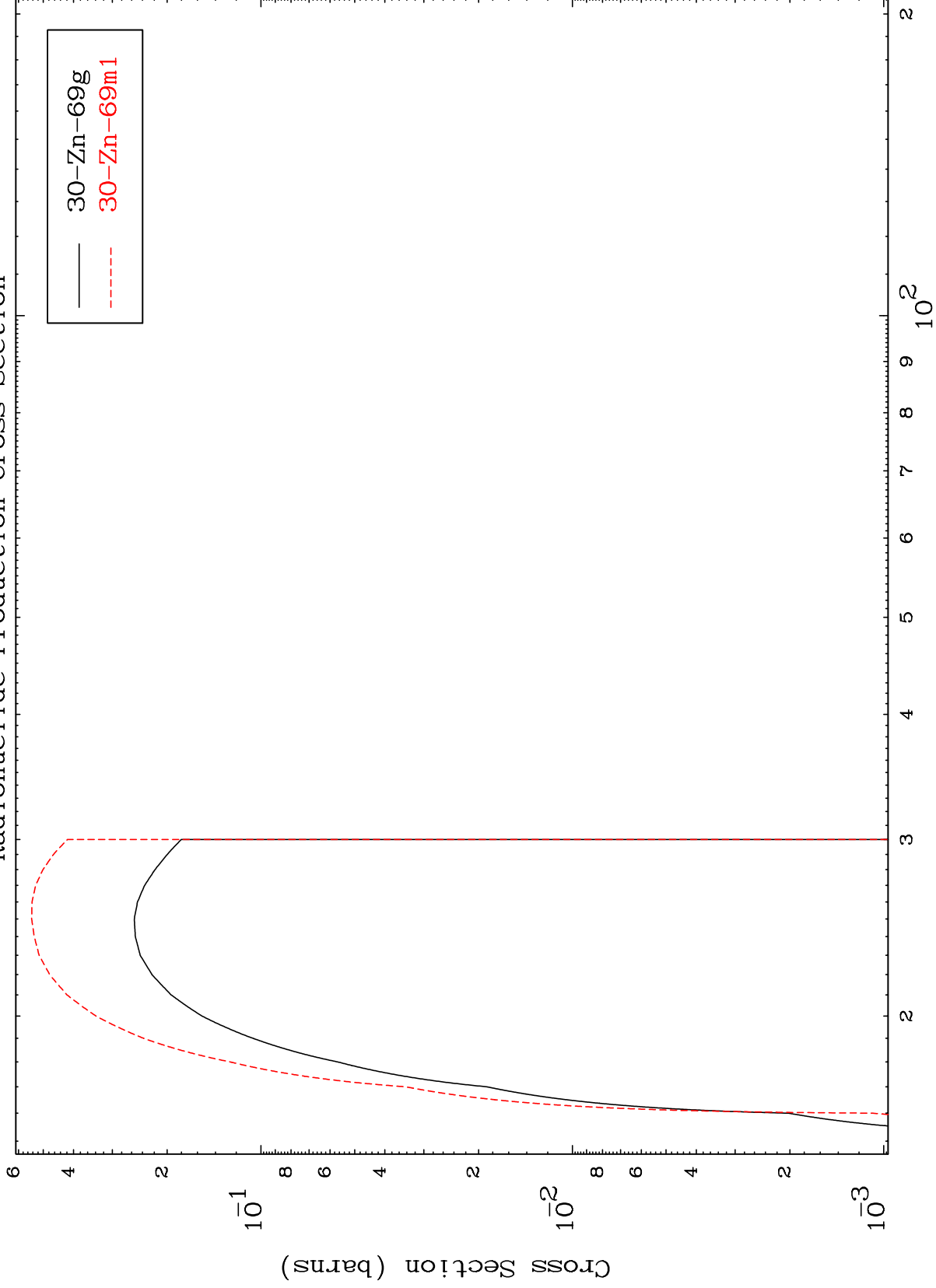


MAT 3047

(n,3n)

30-Zn-71m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

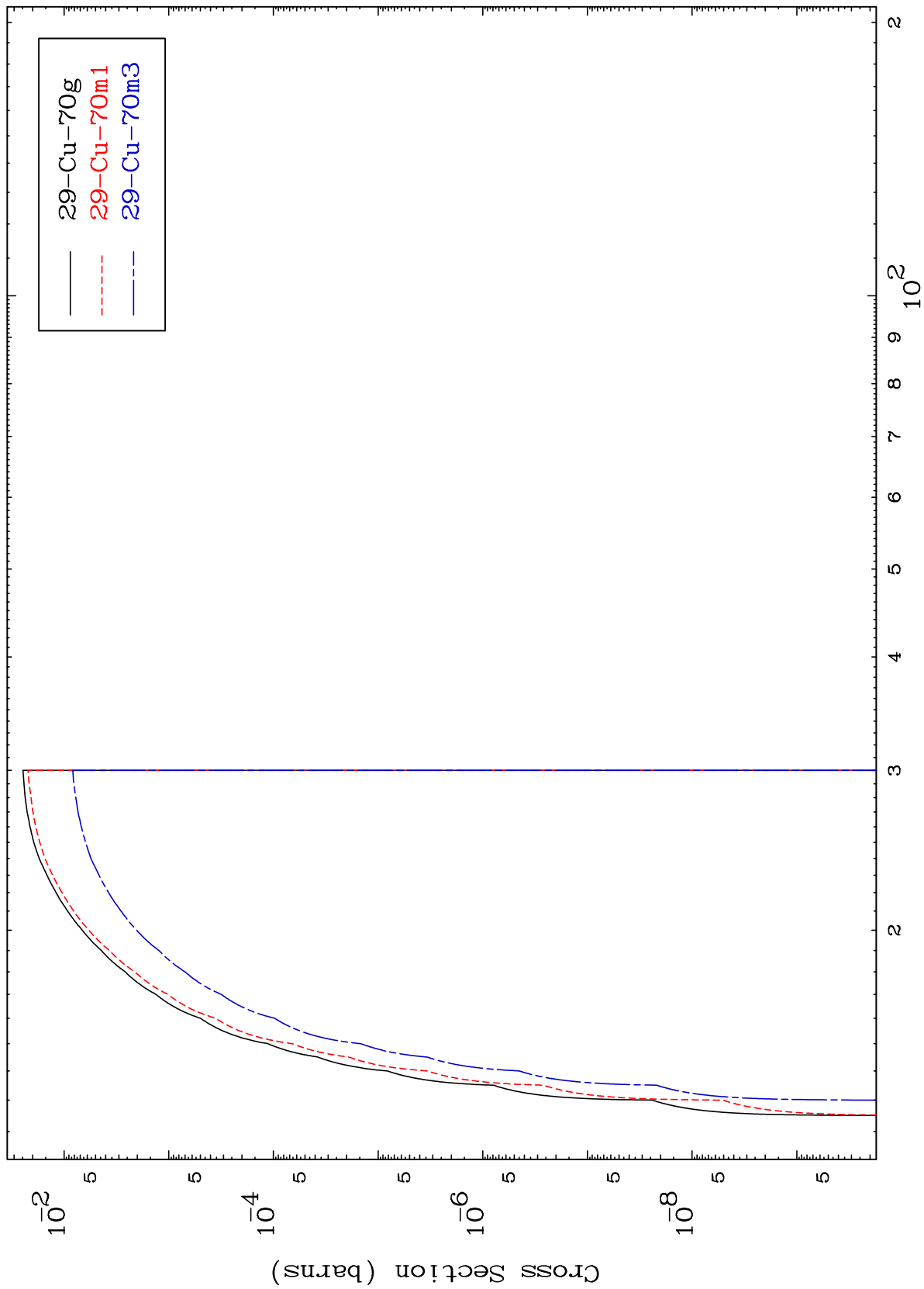
30-Zn-71m

MAT 3047

$(n, n')$  p

30-Zn-71m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

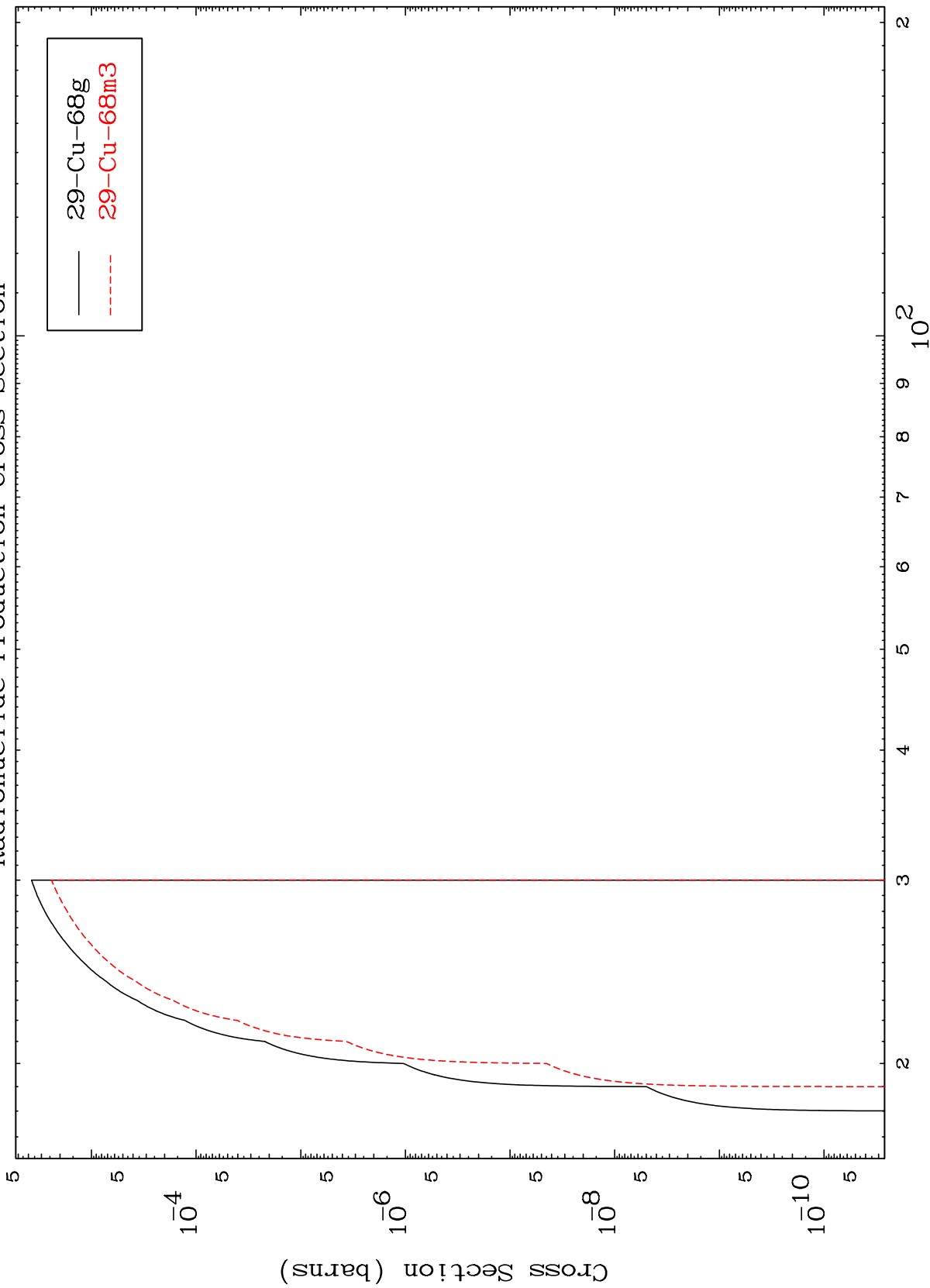
30-Zn-71m

MAT 3047

(n,n') t

30-Zn-71m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

30-Zn-71m

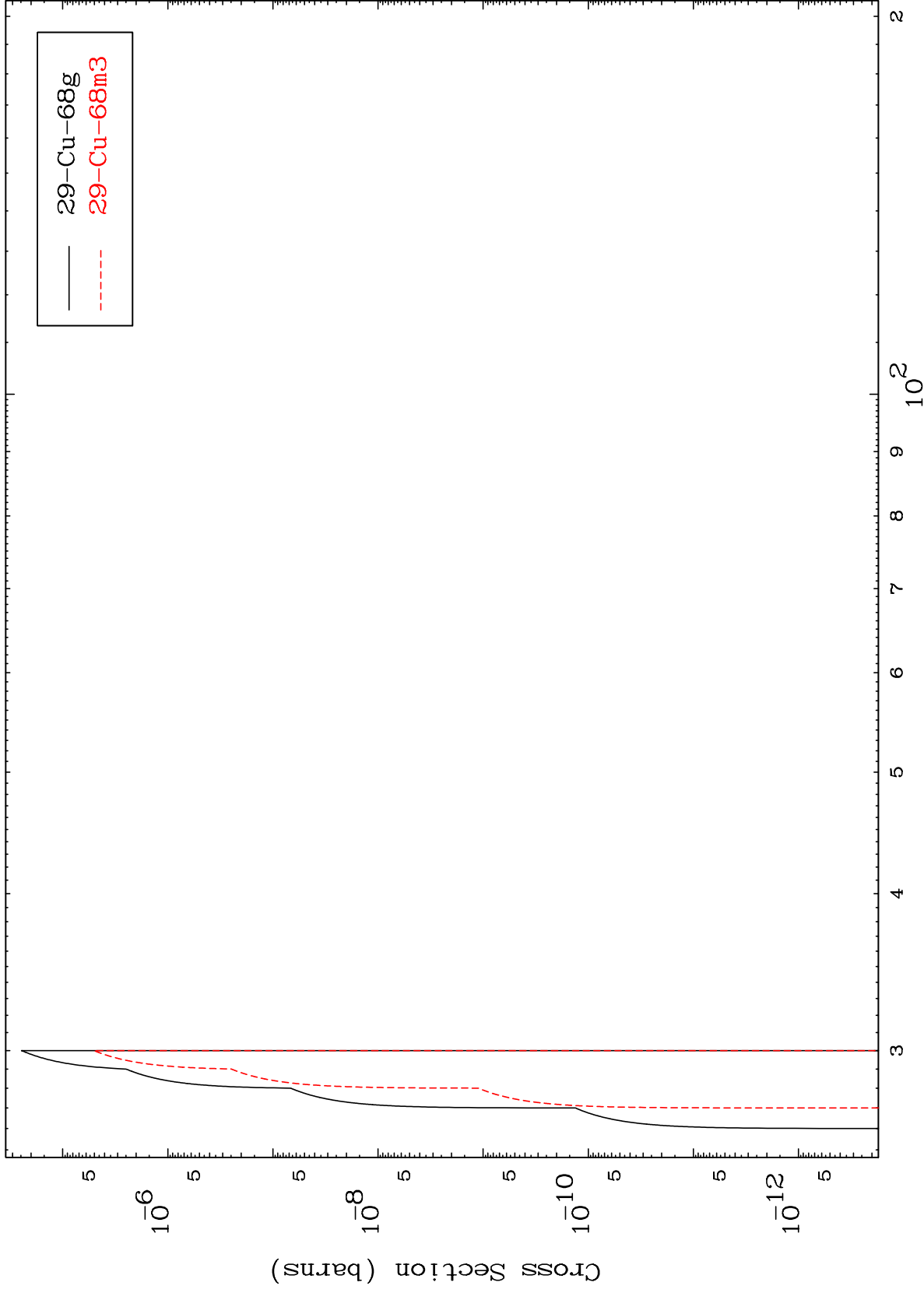


MAT 3047

(n,3n) p

30-Zn-71m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

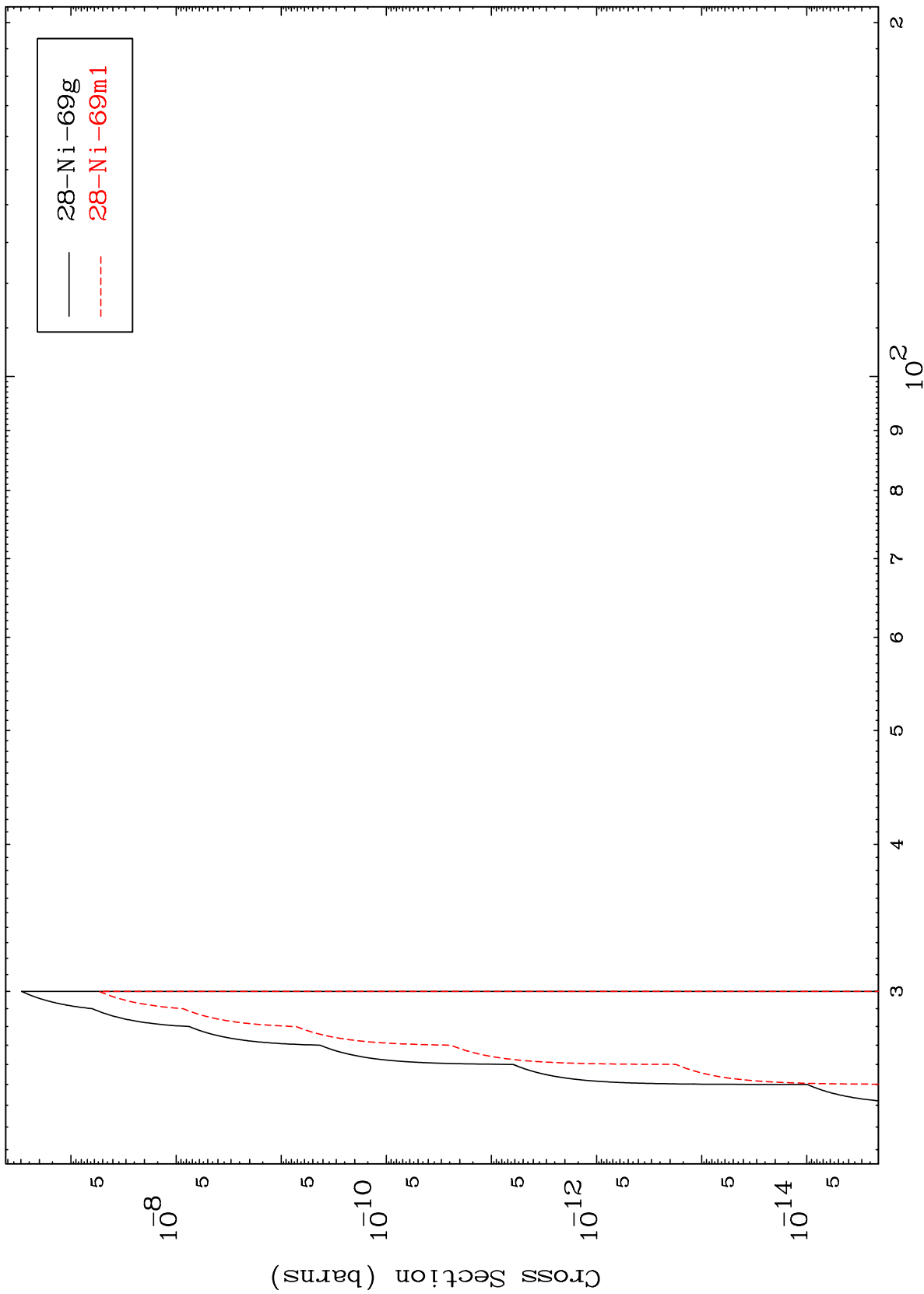
30-Zn-71m

MAT 3047

(n,2n) p

30-Zn-71m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

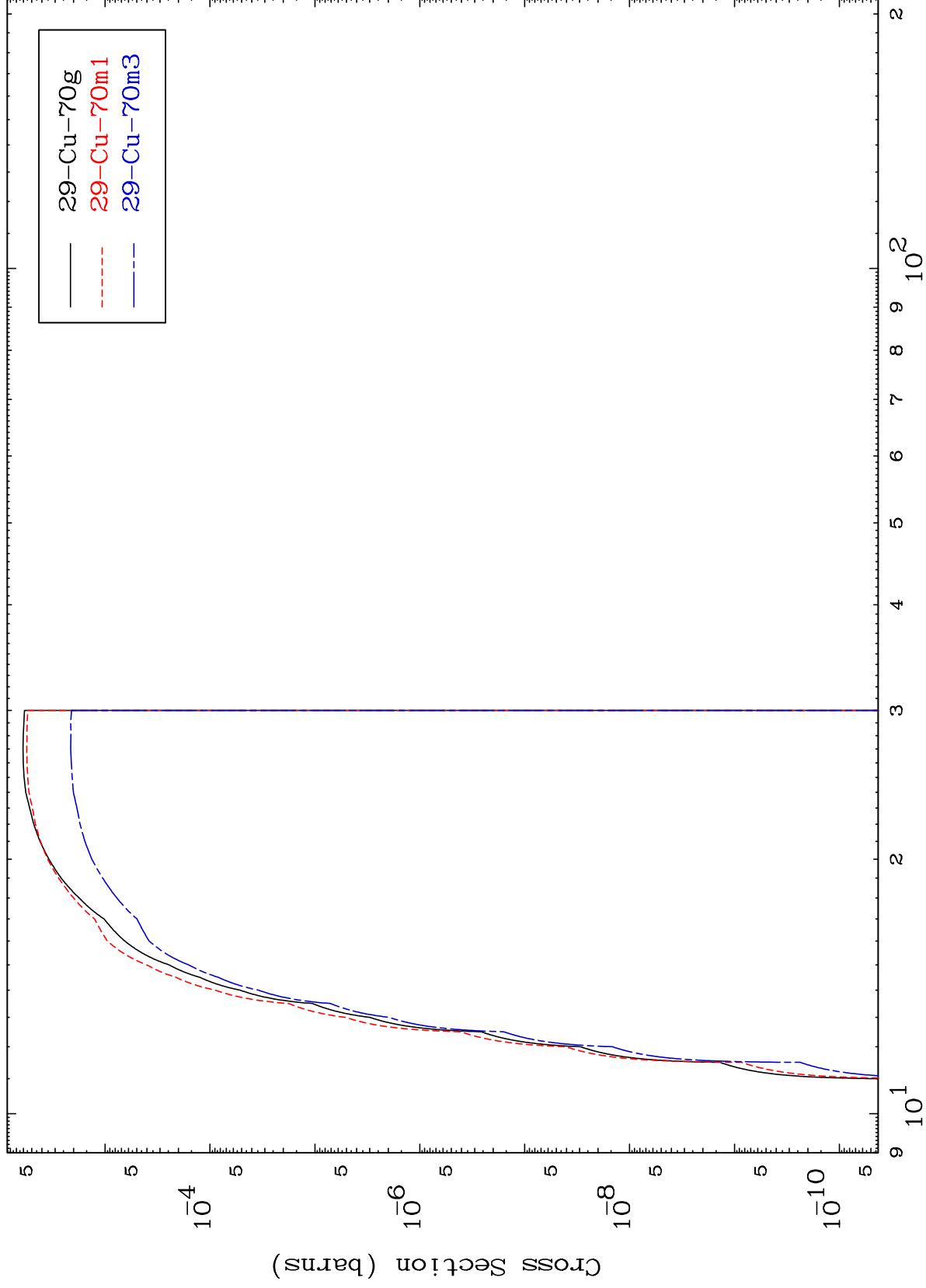
30-Zn-71m

MAT 3047

(n,d)

30-Zn-71m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

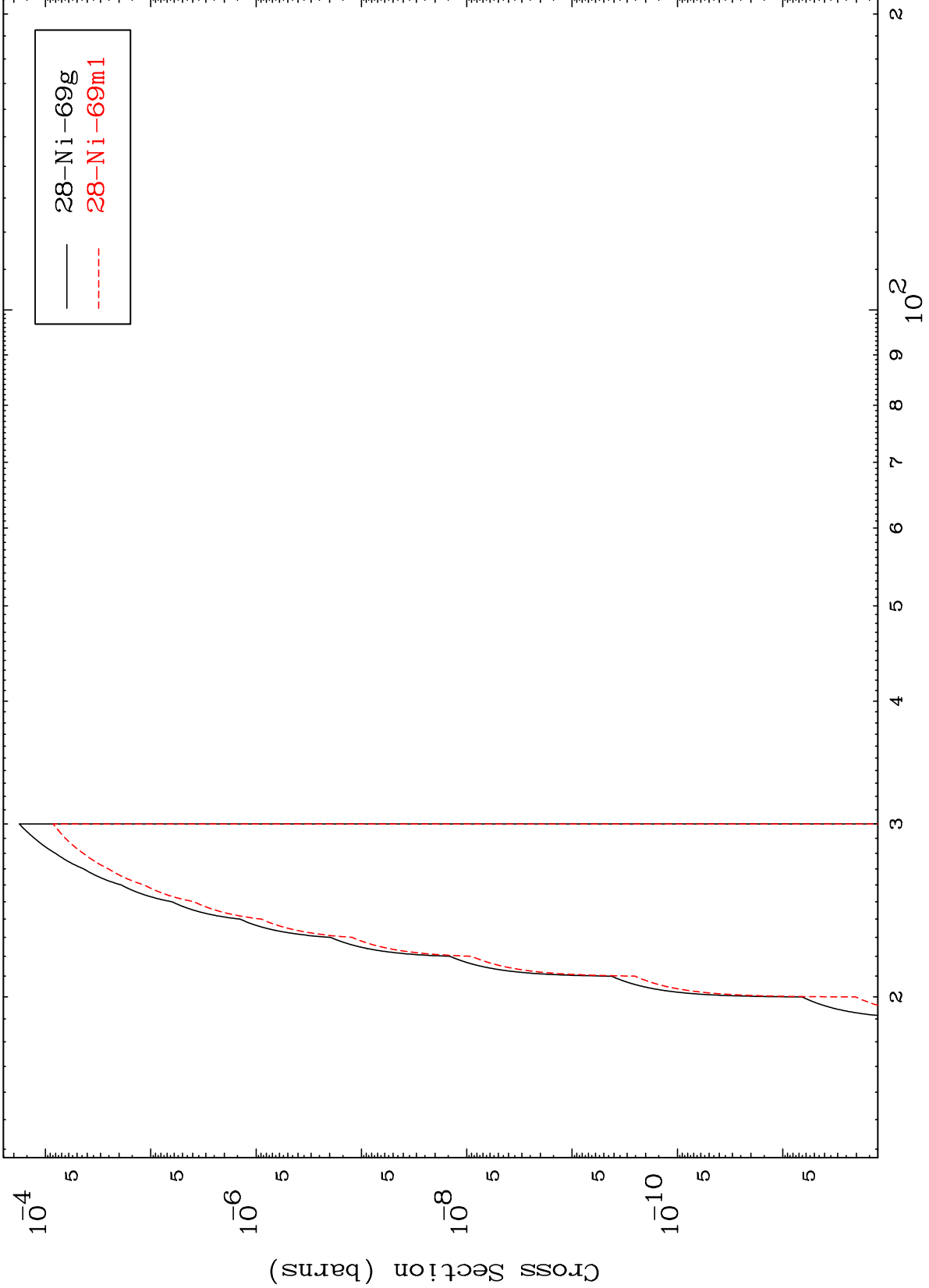
30-Zn-71m

MAT 3047

(n,He-3)

30-Zn-71m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

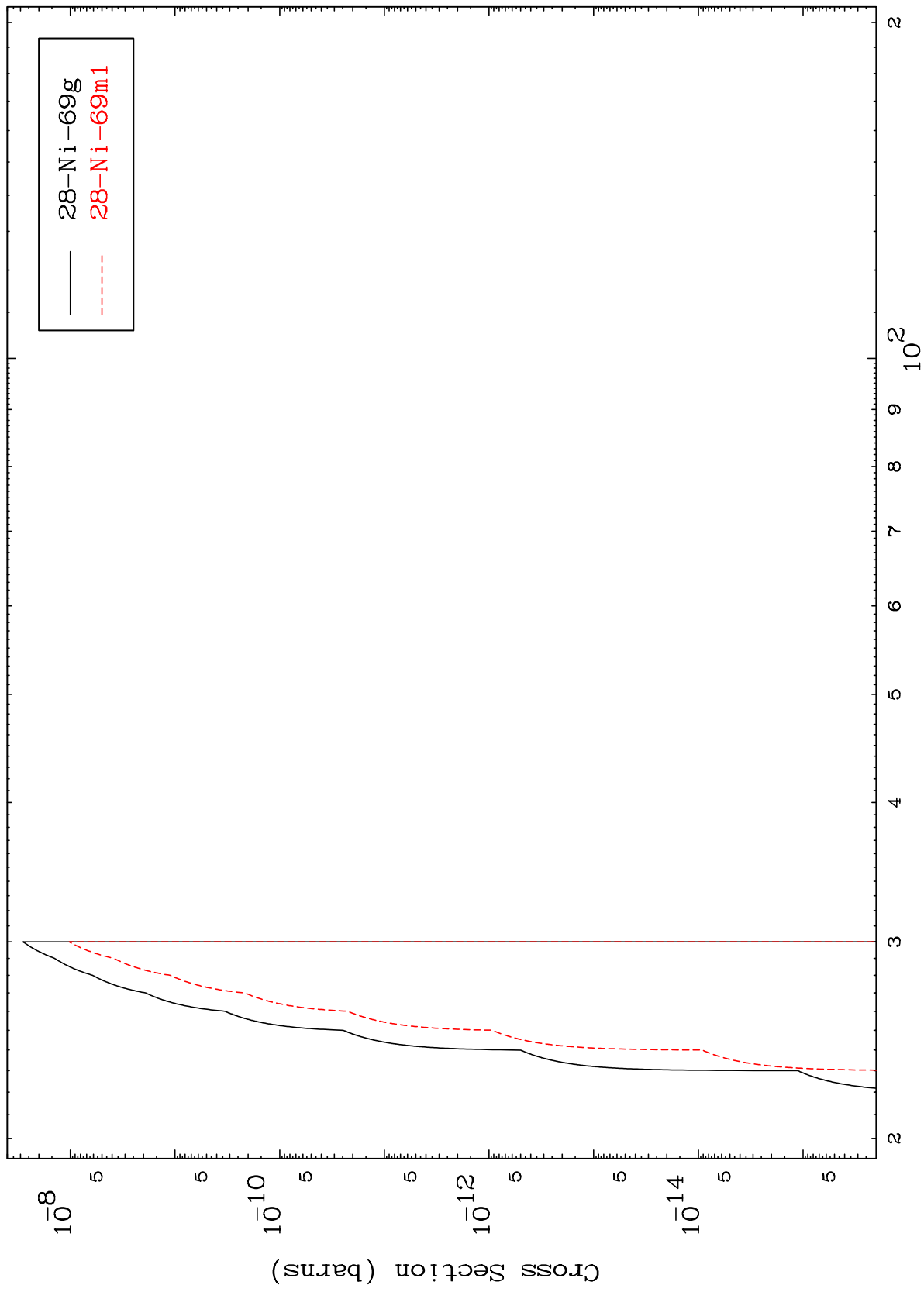
30-Zn-71m

MAT 3047

(n,p) d

30-Zn-71m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

30-Zn-71m