

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

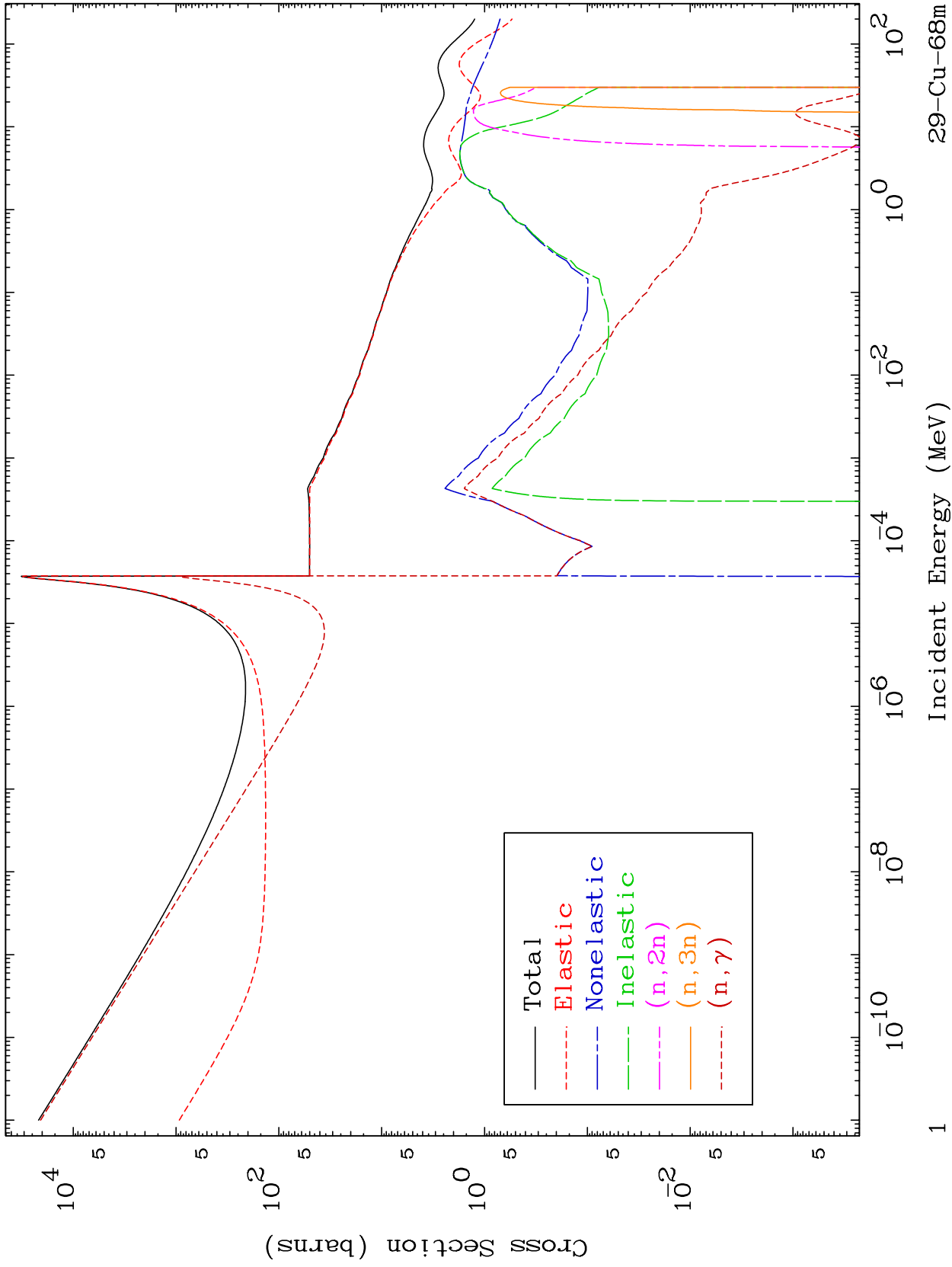
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2941

Neutron Major
293 Kelvin Cross Sections

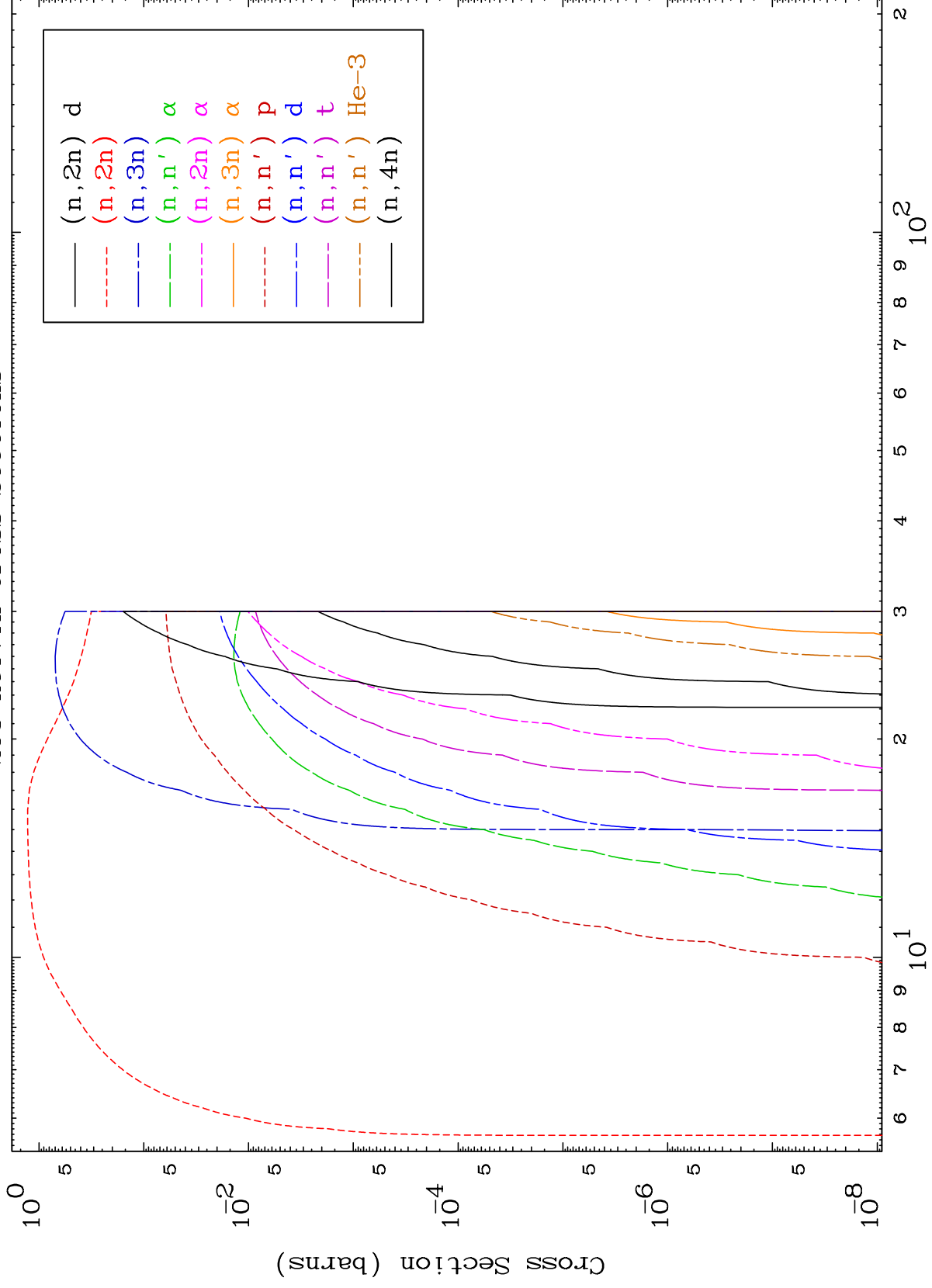
29-Cu-68m



MAT 2941

Neutron Absorption
293 Kelvin Cross Sections

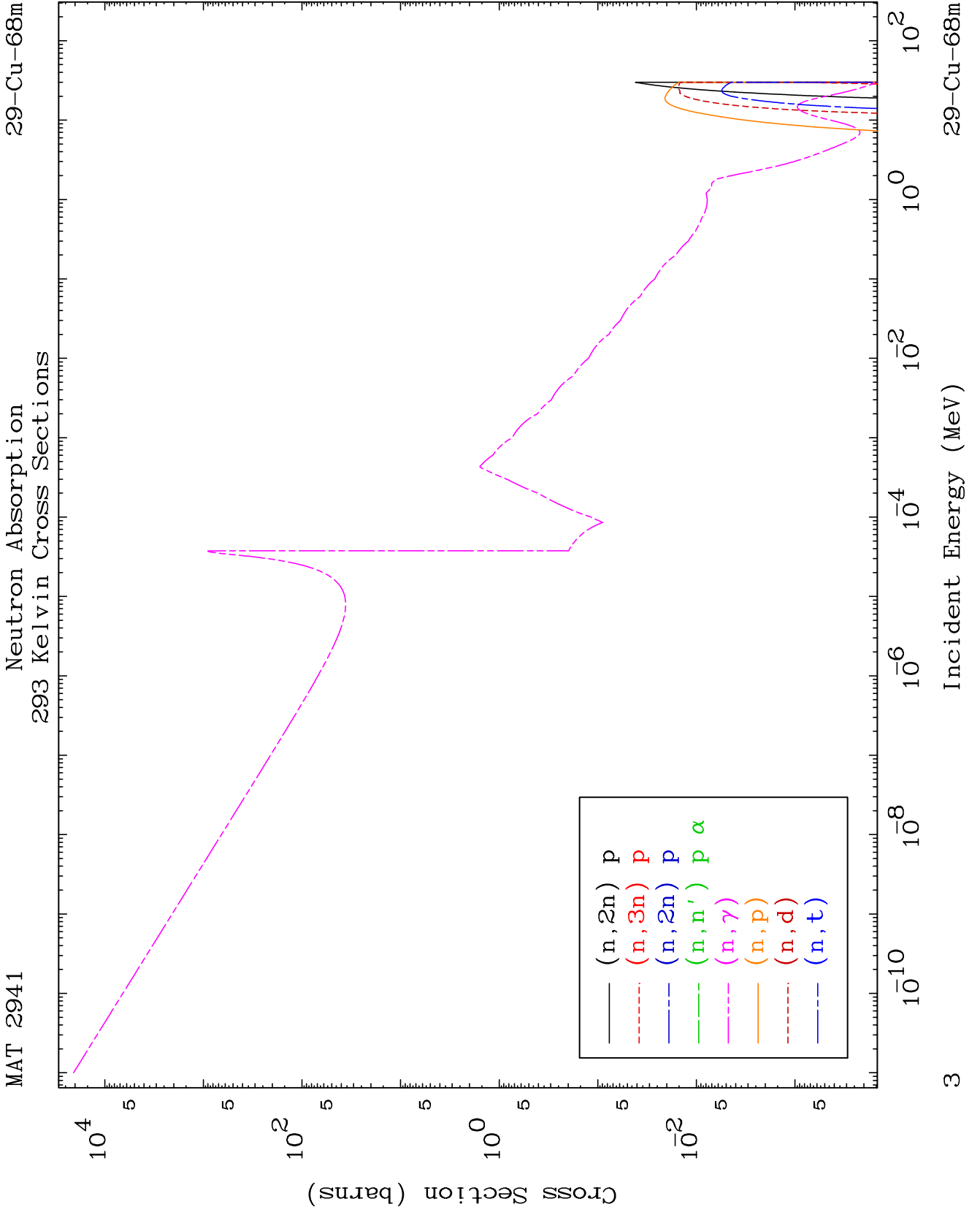
29-Cu-68m



2

Incident Energy (MeV)

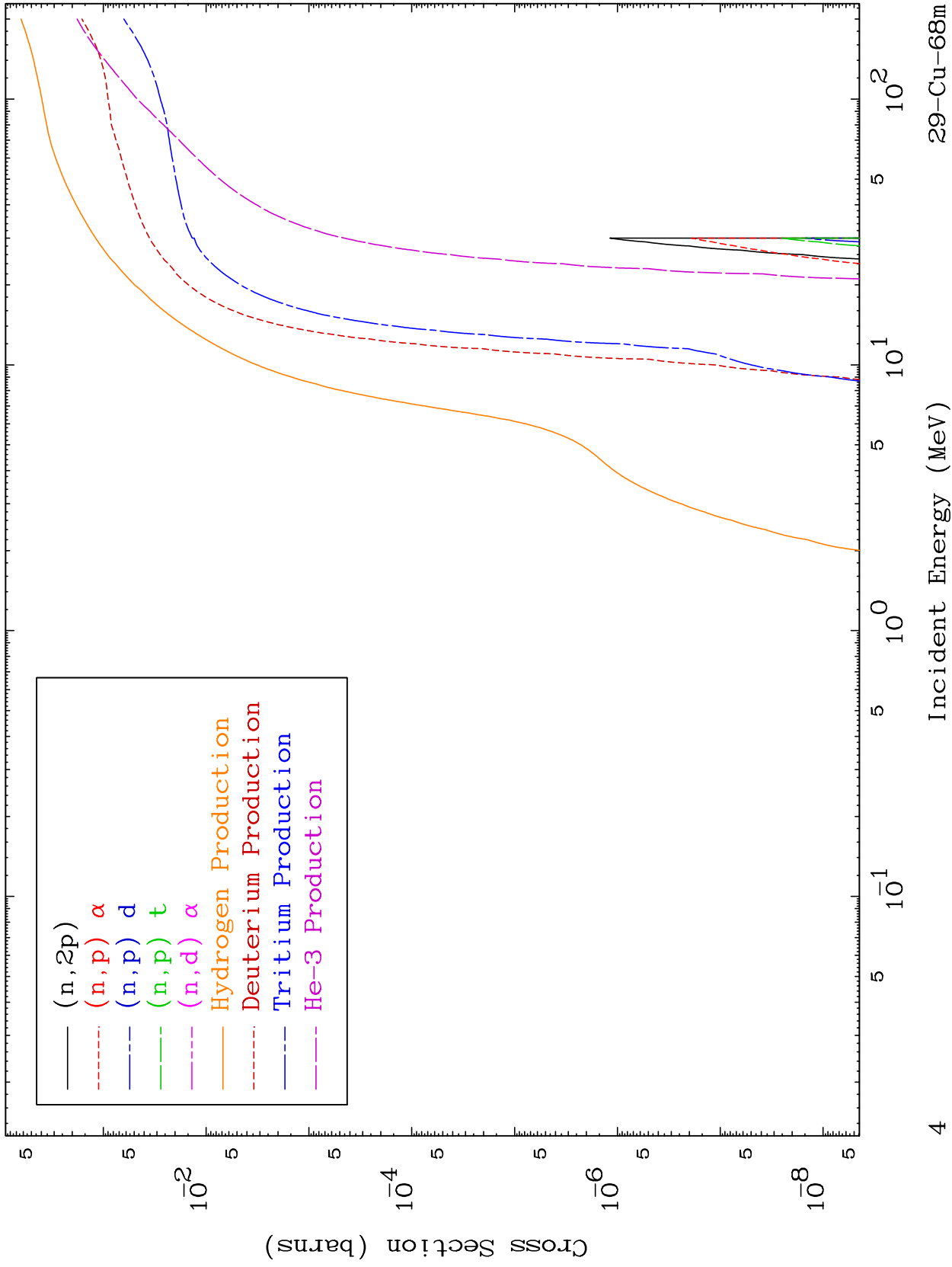
29-Cu-68m



MAT 2941

Neutron Absorption
293 Kelvin Cross Sections

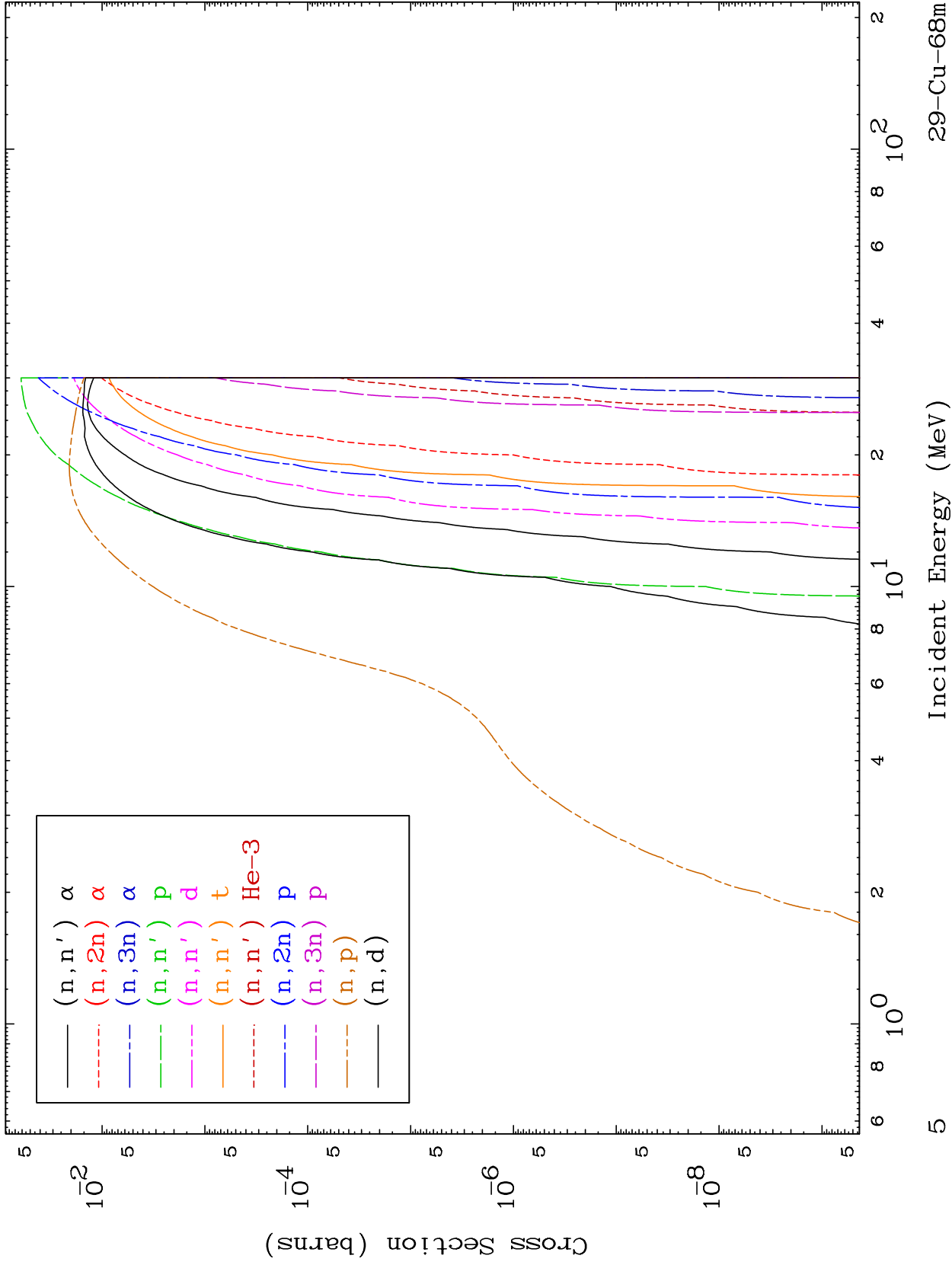
29-Cu-68m



MAT 2941

Charged Particle
293 Kelvin Cross Sections

29-Cu-68m



5

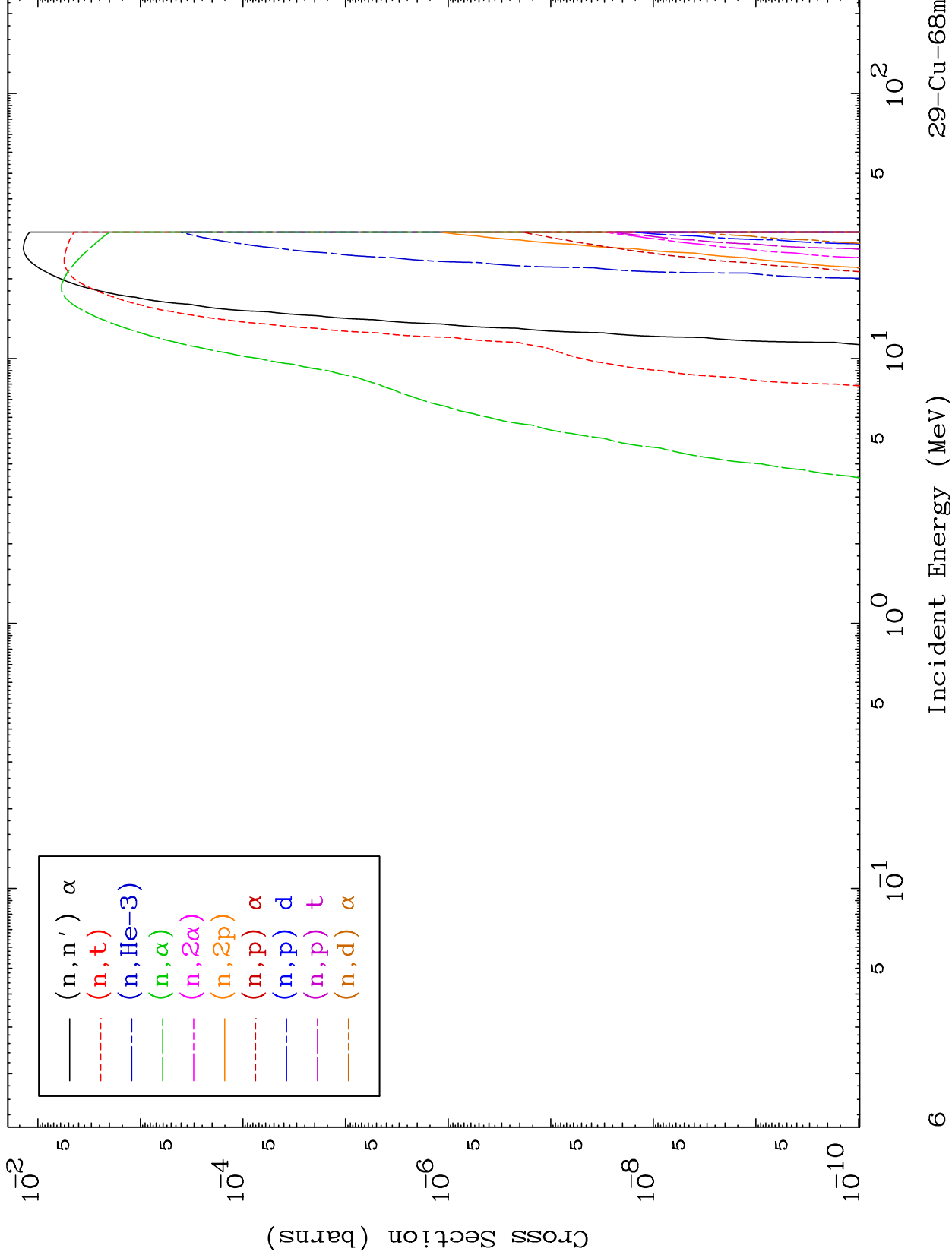
Incident Energy (MeV)

29-Cu-68m

MAT 2941

Charged Particle
293 Kelvin Cross Sections

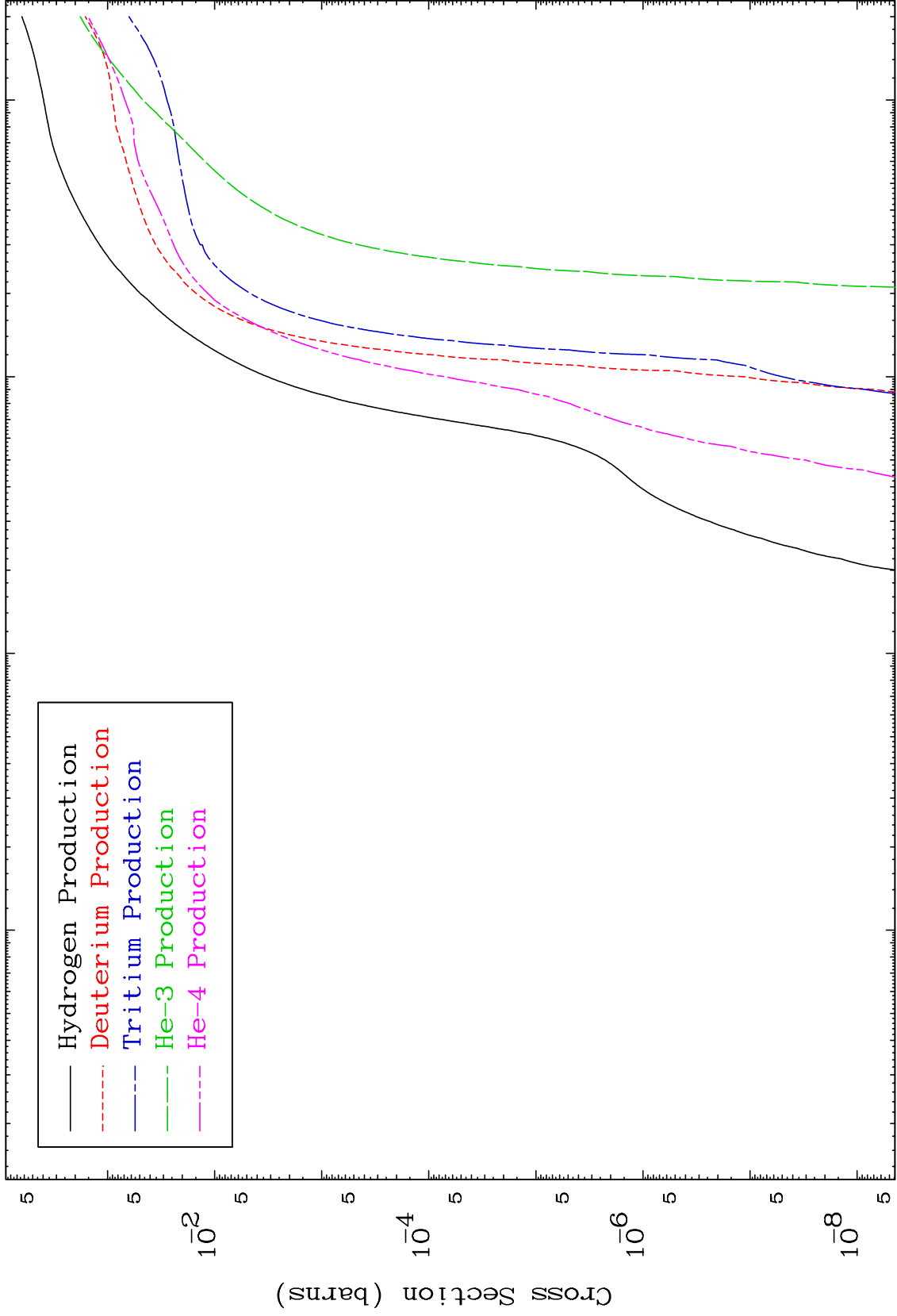
29-Cu-68m



MAT 2941

Particle Production
293 Kelvin Cross Sections

29-Cu-68m



29-Cu-68m

10¹

10⁰

10⁻¹

10⁻²

10⁻³

10⁻⁴

10⁻⁵

10⁻⁶

10⁻⁷

10⁻⁸

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

5

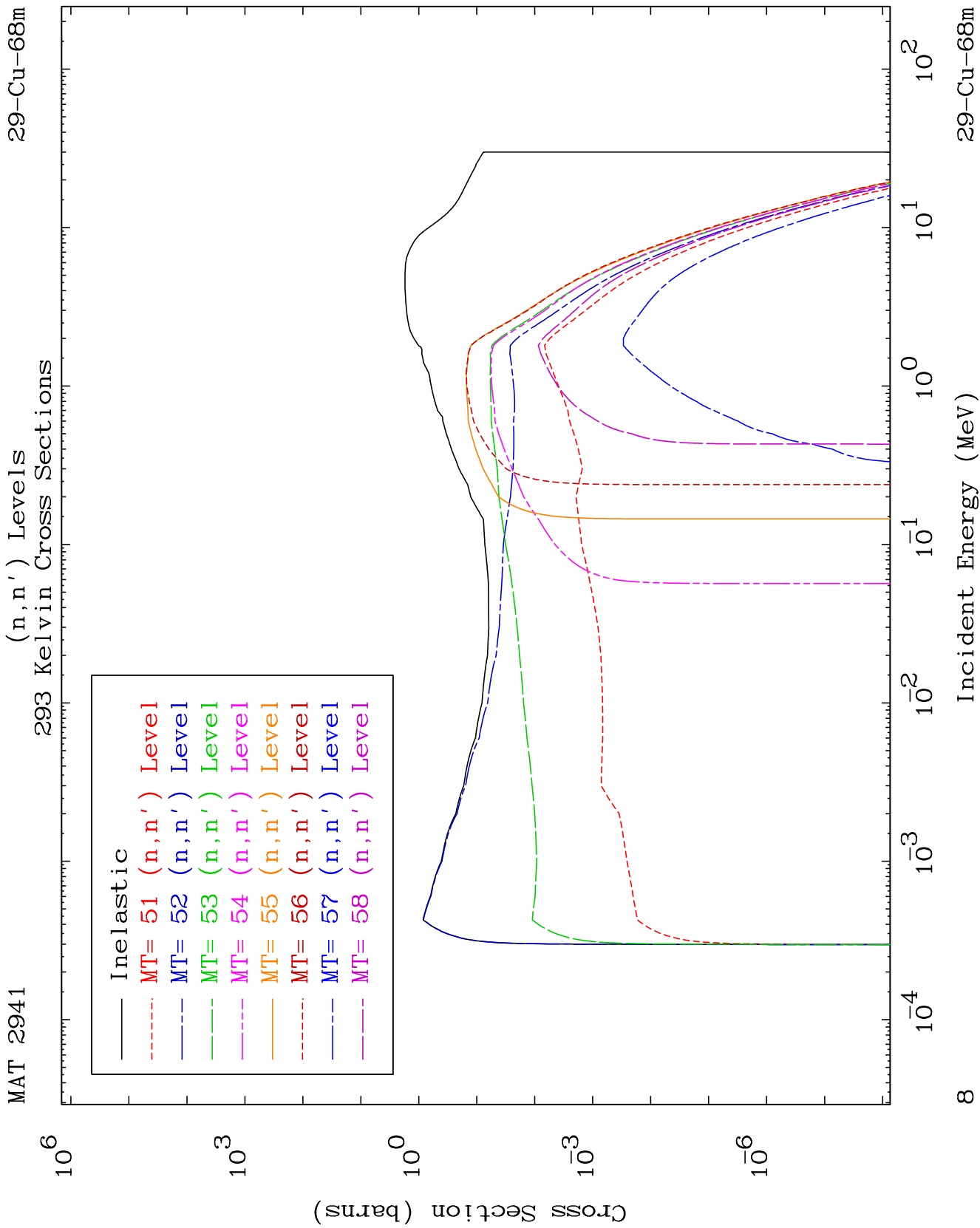
5

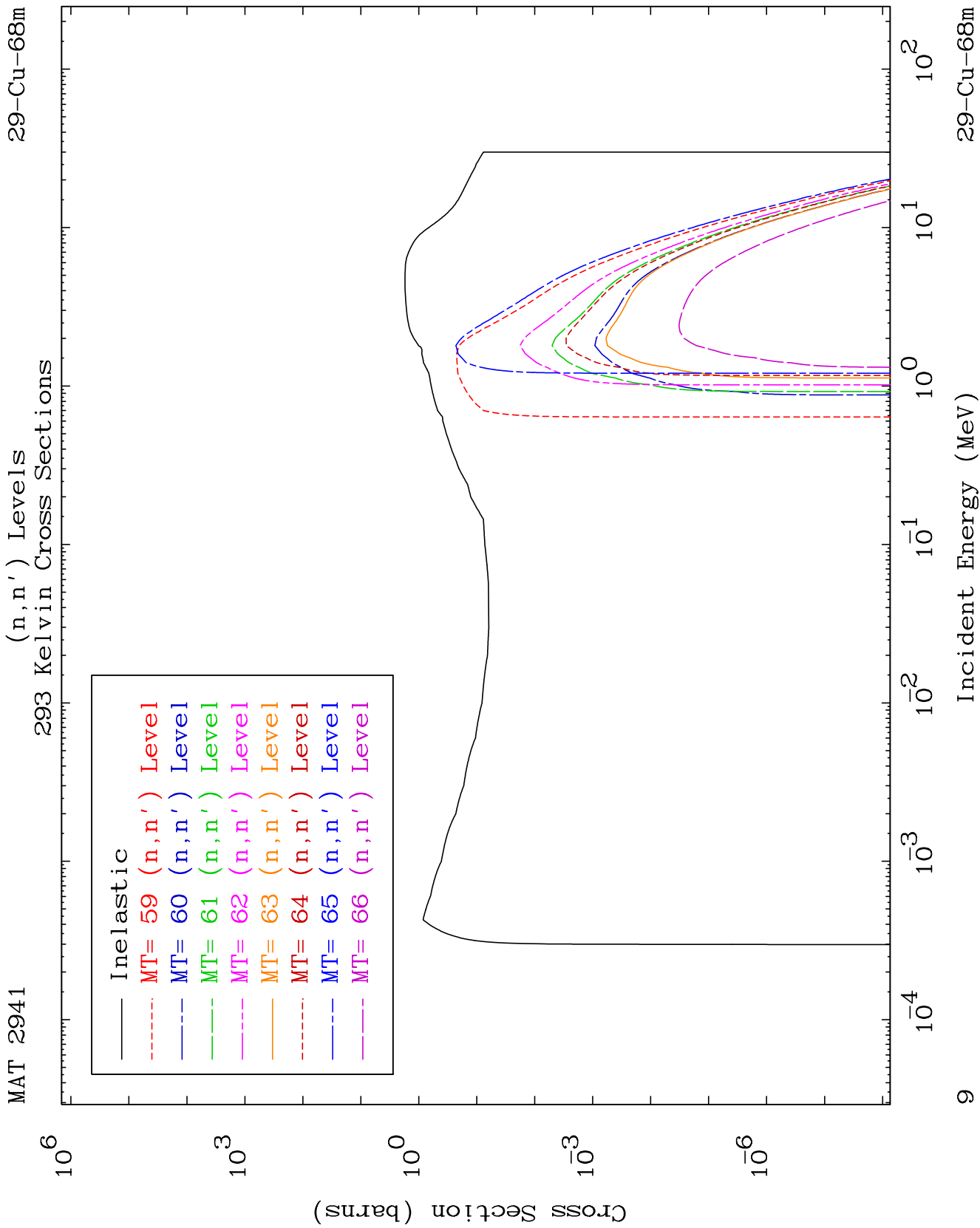
5

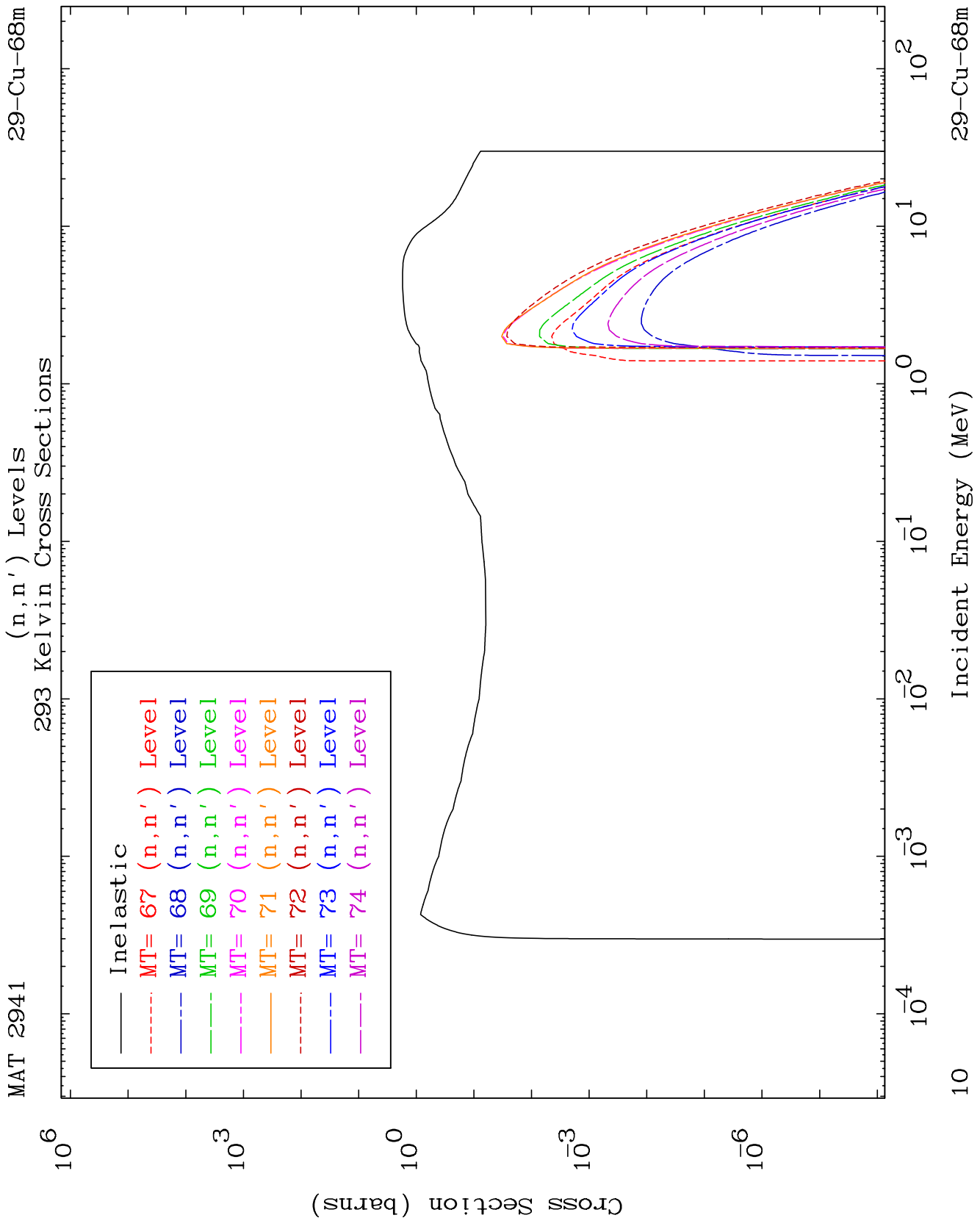
5

5

5



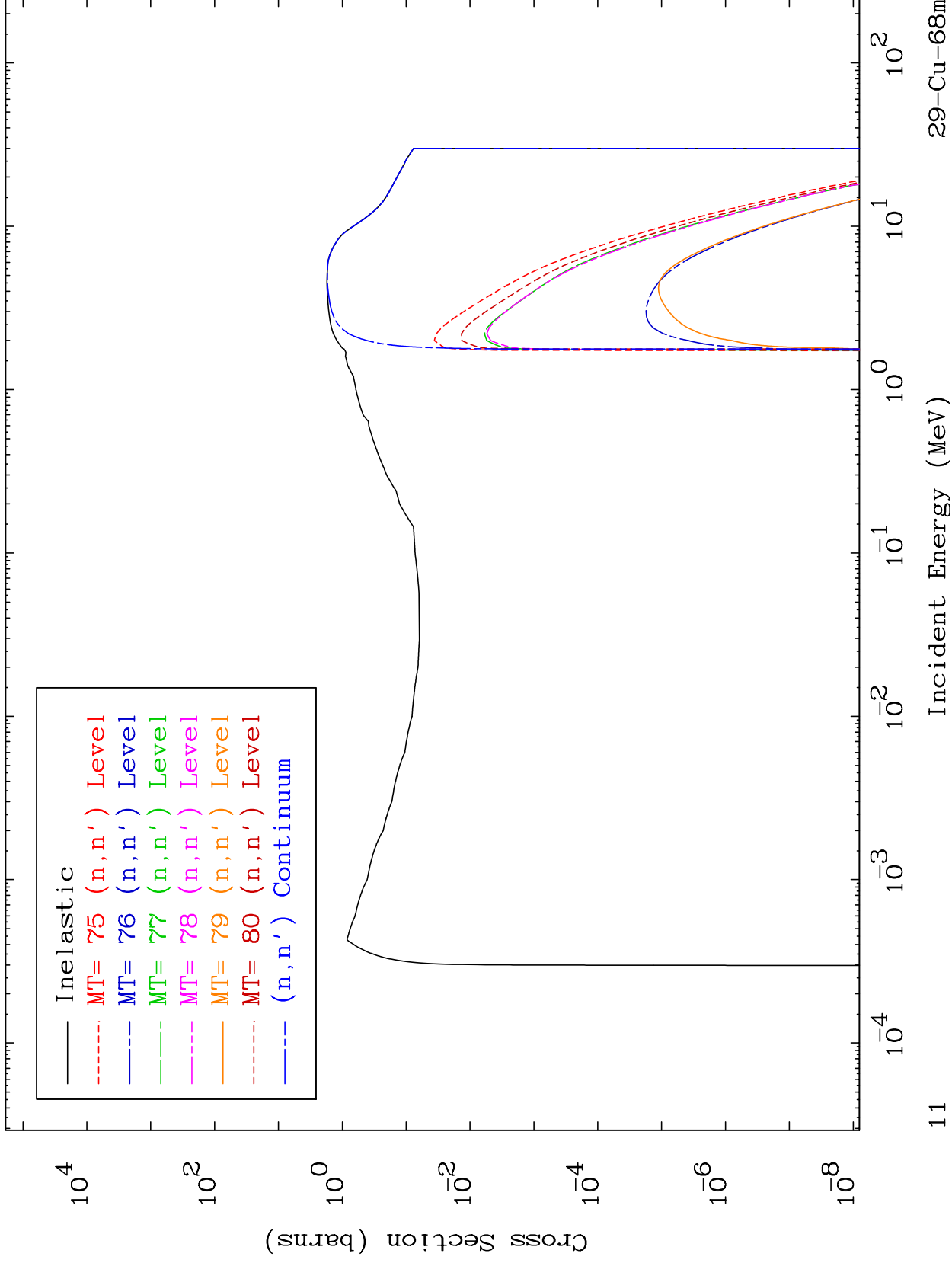




MAT 2941

(n,n') Levels
293 Kelvin Cross Sections

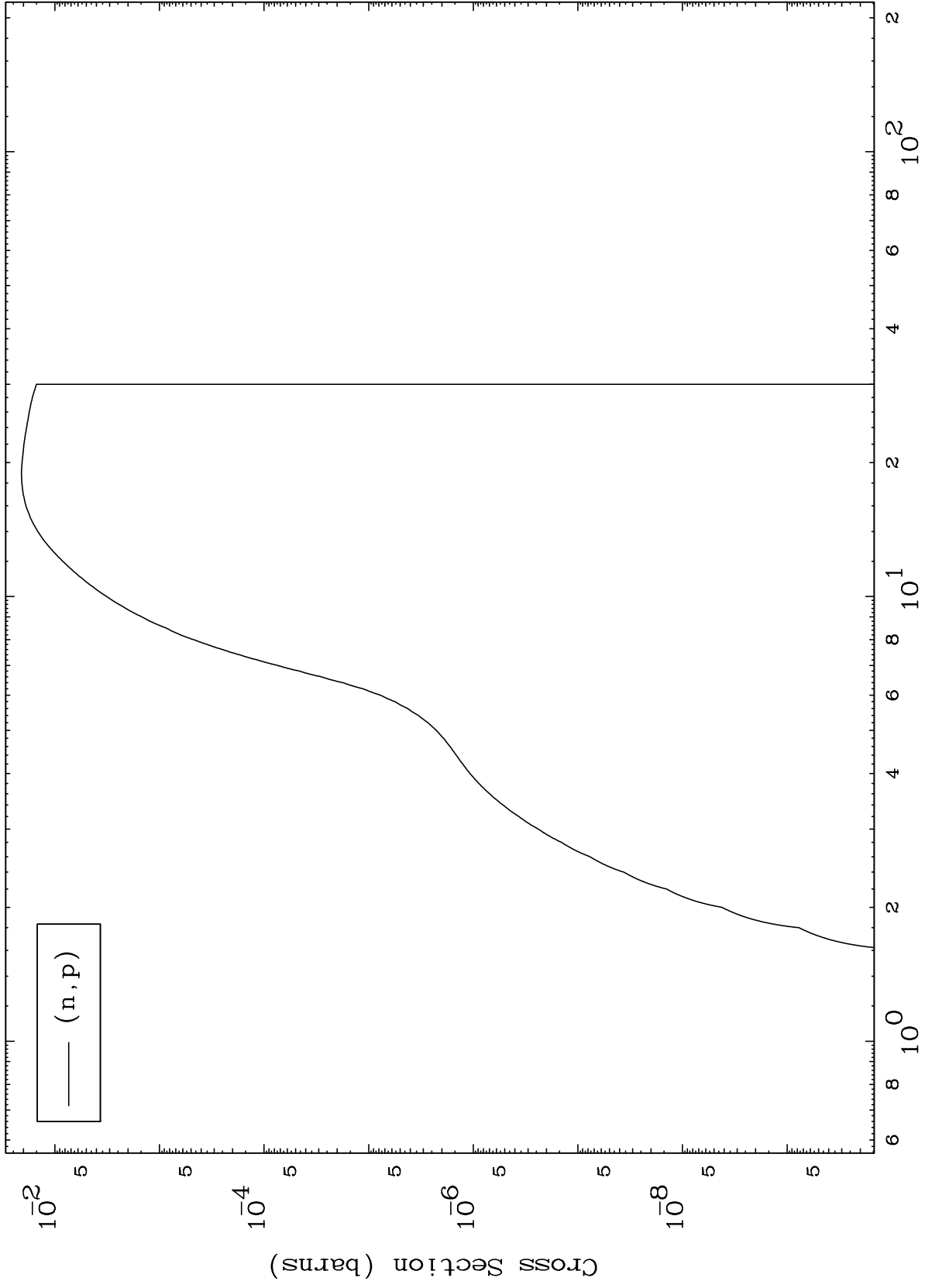
29-Cu-68m



MAT 2941

(n,p) Levels
293 Kelvin Cross Sections

29-Cu-68m



(n,p)

12

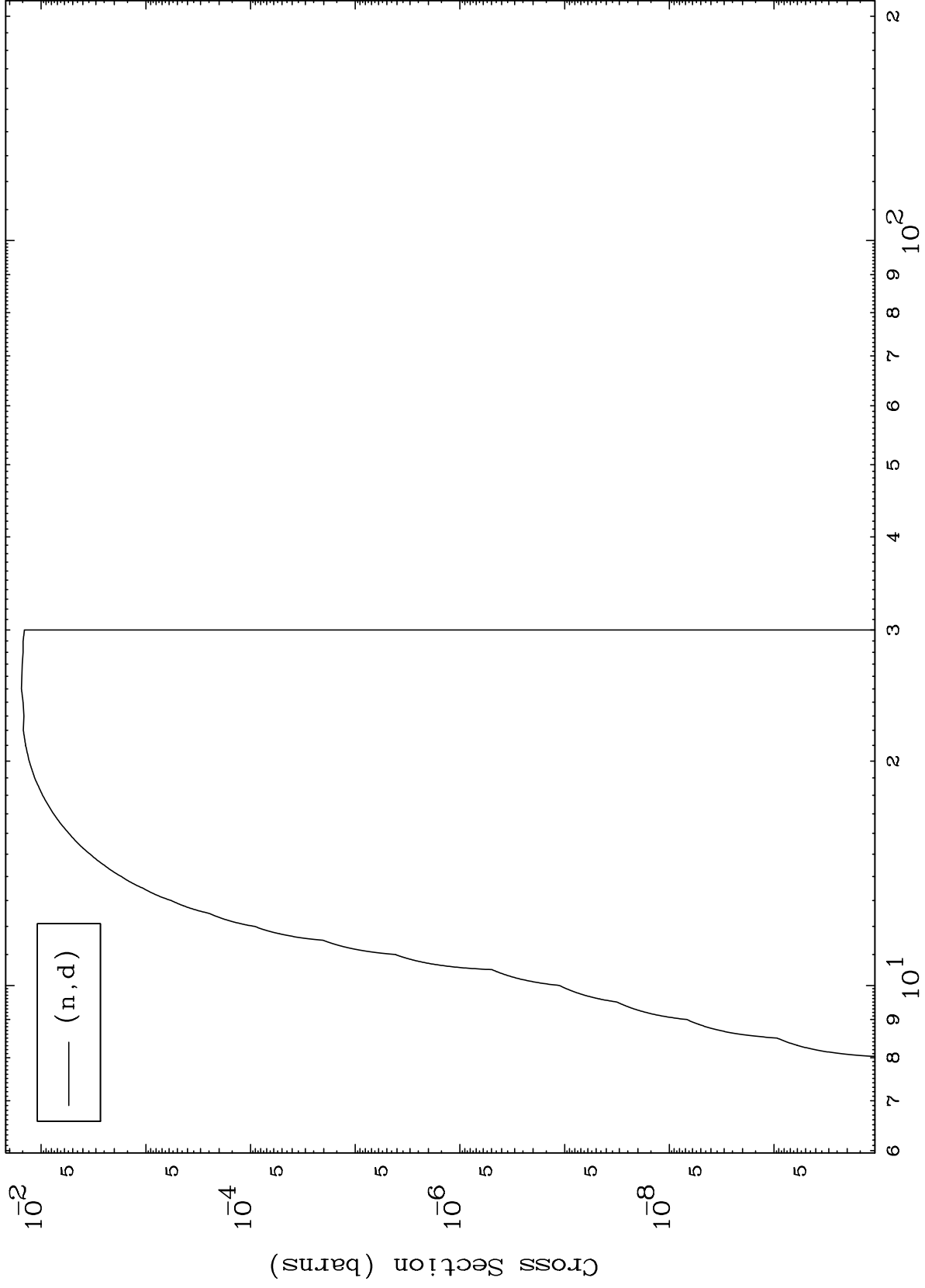
Incident Energy (MeV)

29-Cu-68m

MAT 2941

(n,d) Levels
293 Kelvin Cross Sections

29-Cu-68m



13

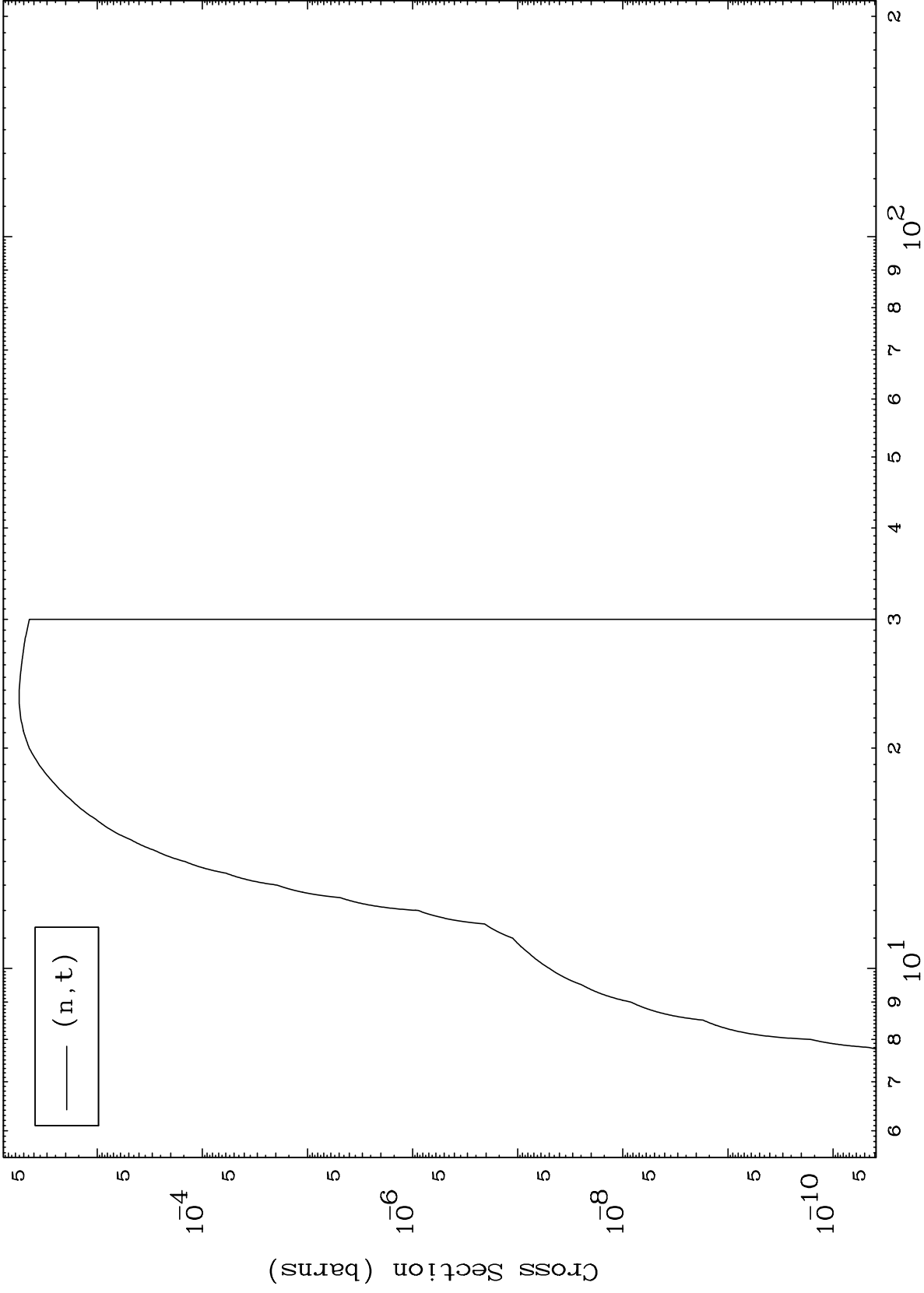
Incident Energy (MeV)

29-Cu-68m

MAT 2941

(n,t) Levels
293 Kelvin Cross Sections

29-Cu-68m



(n,t)

14

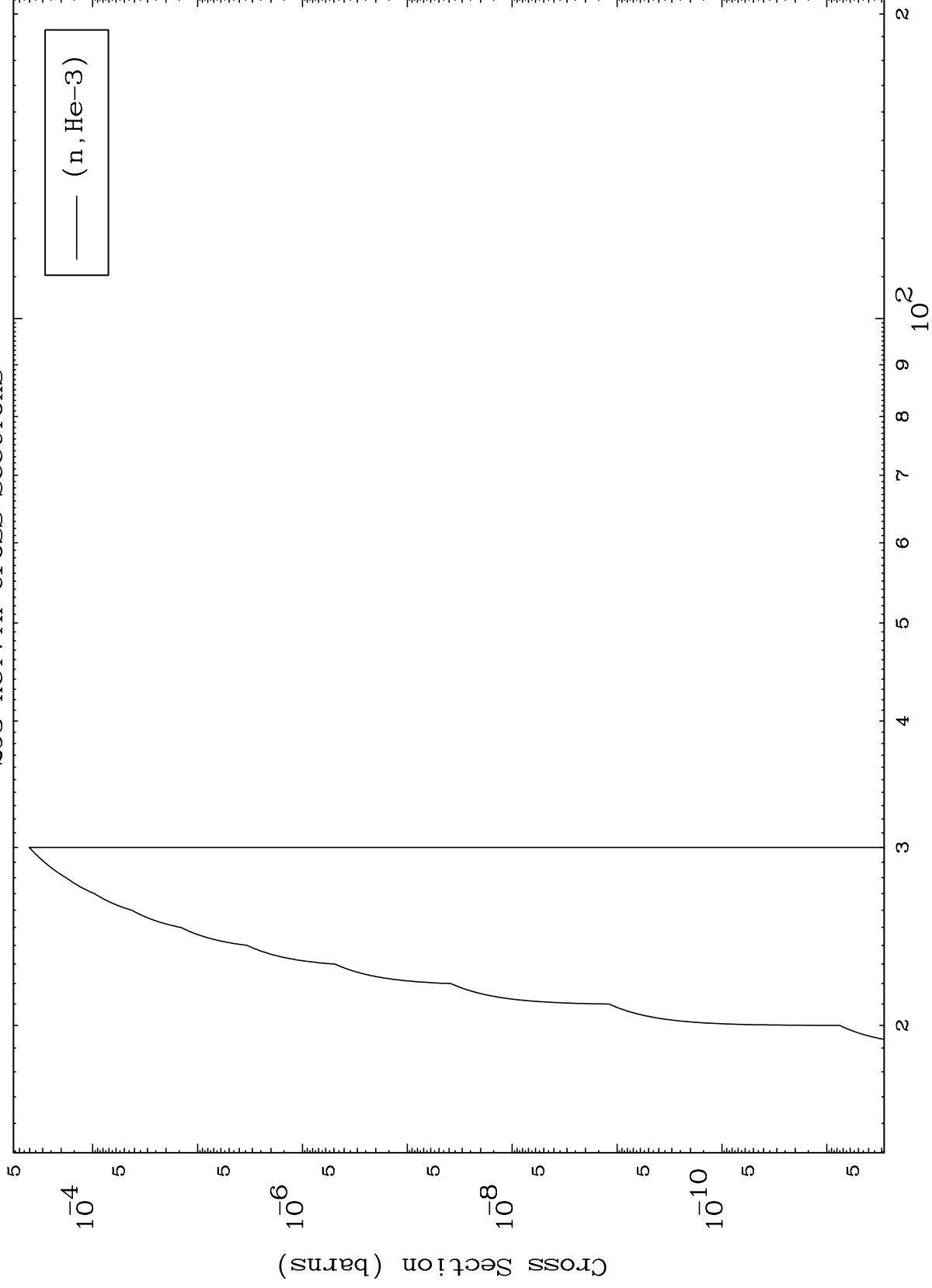
Incident Energy (MeV)

29-Cu-68m

MAT 2941

(n,He3) Levels
293 Kelvin Cross Sections

29-Cu-68m



15

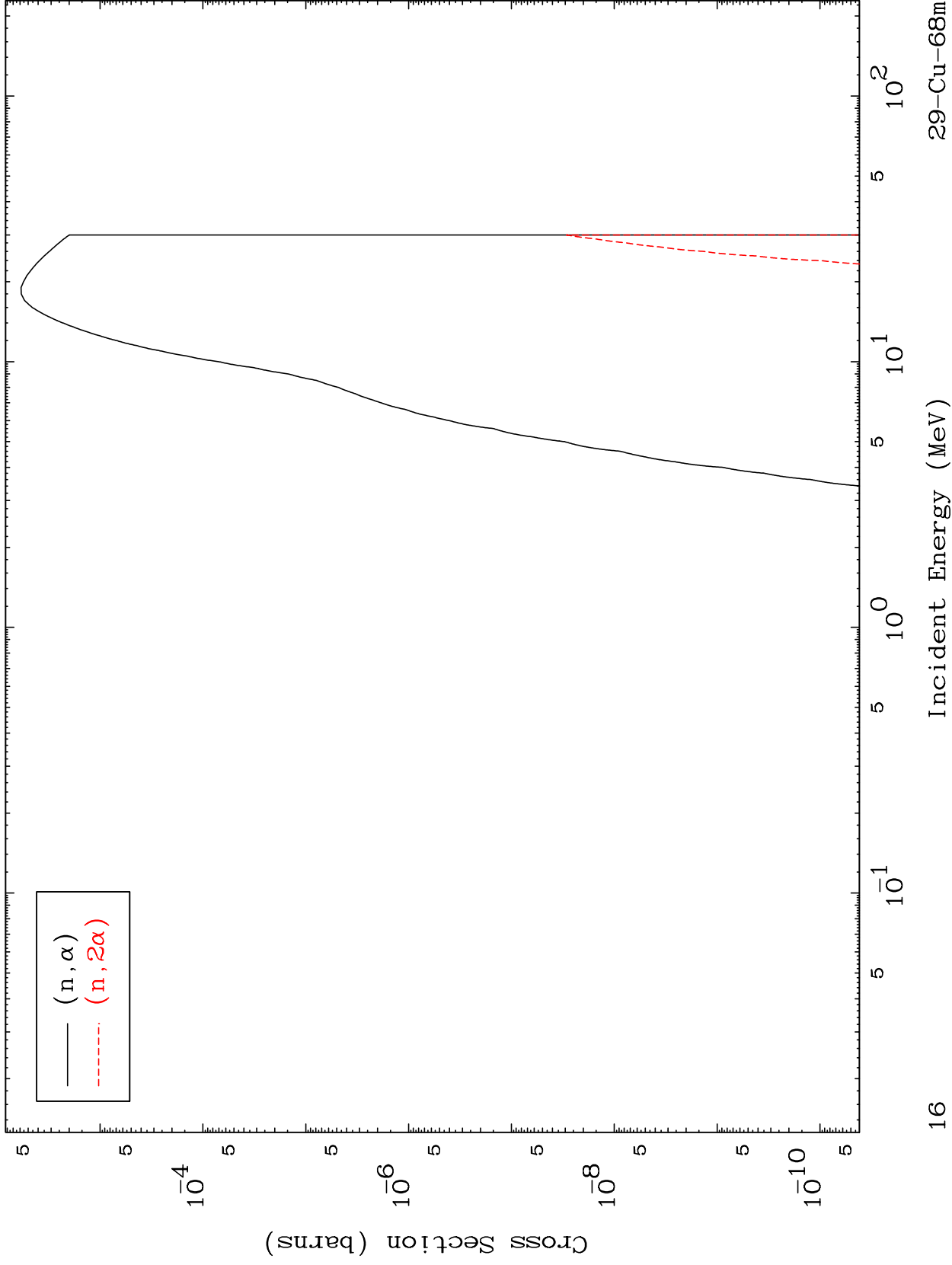
Incident Energy (MeV)

29-Cu-68m

MAT 2941

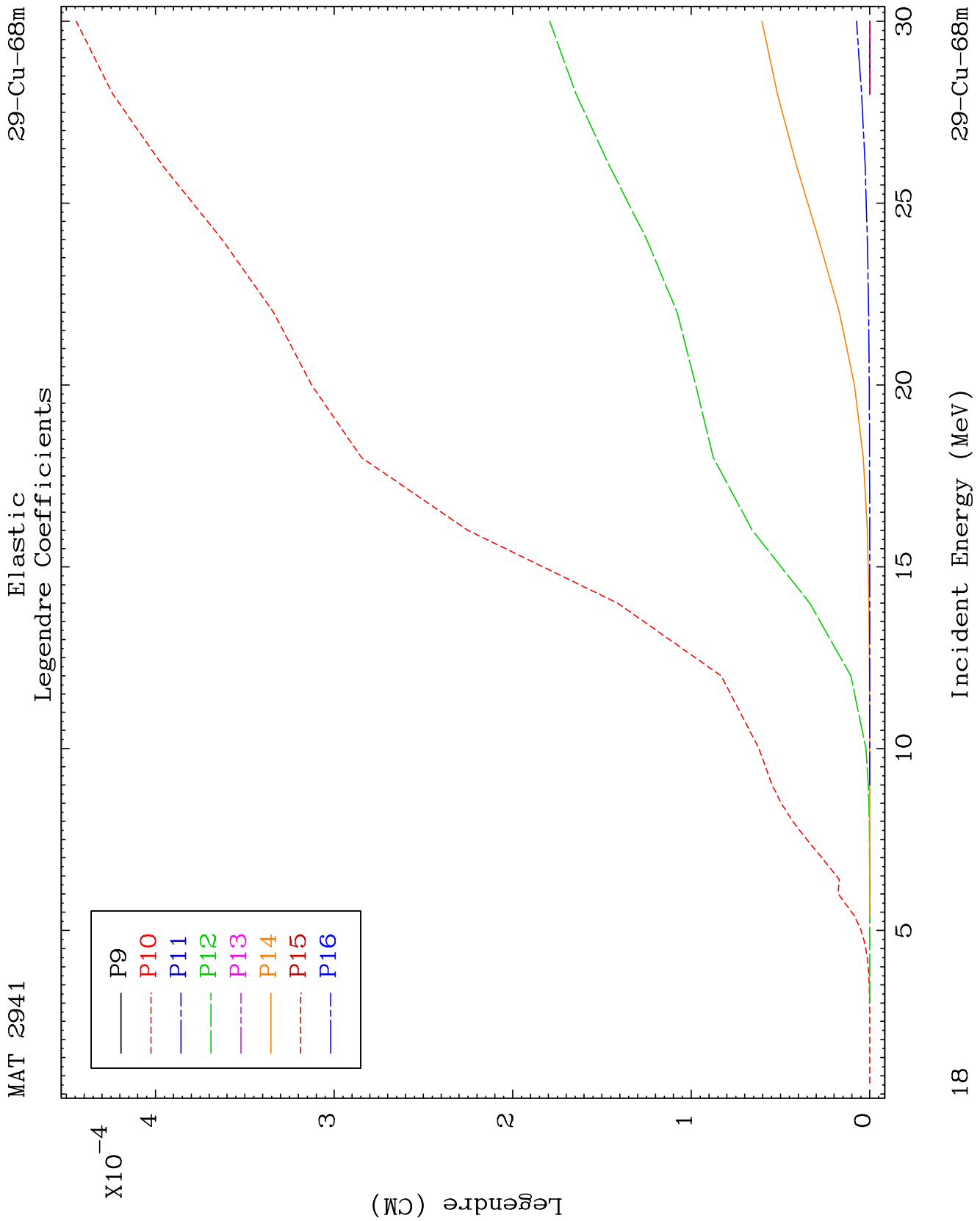
(n, α) Levels
293 Kelvin Cross Sections

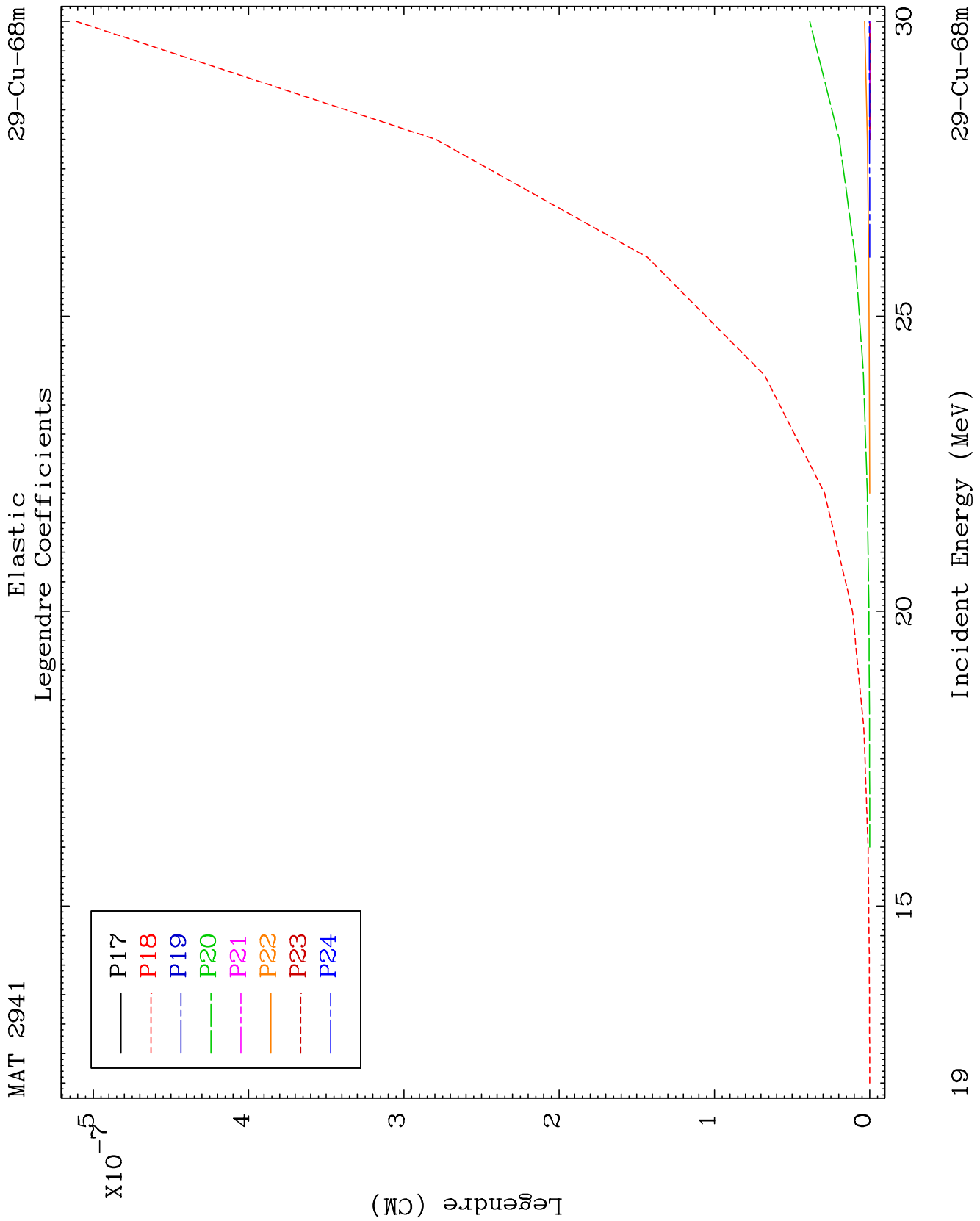
29-Cu-68m



16

29-Cu-68m

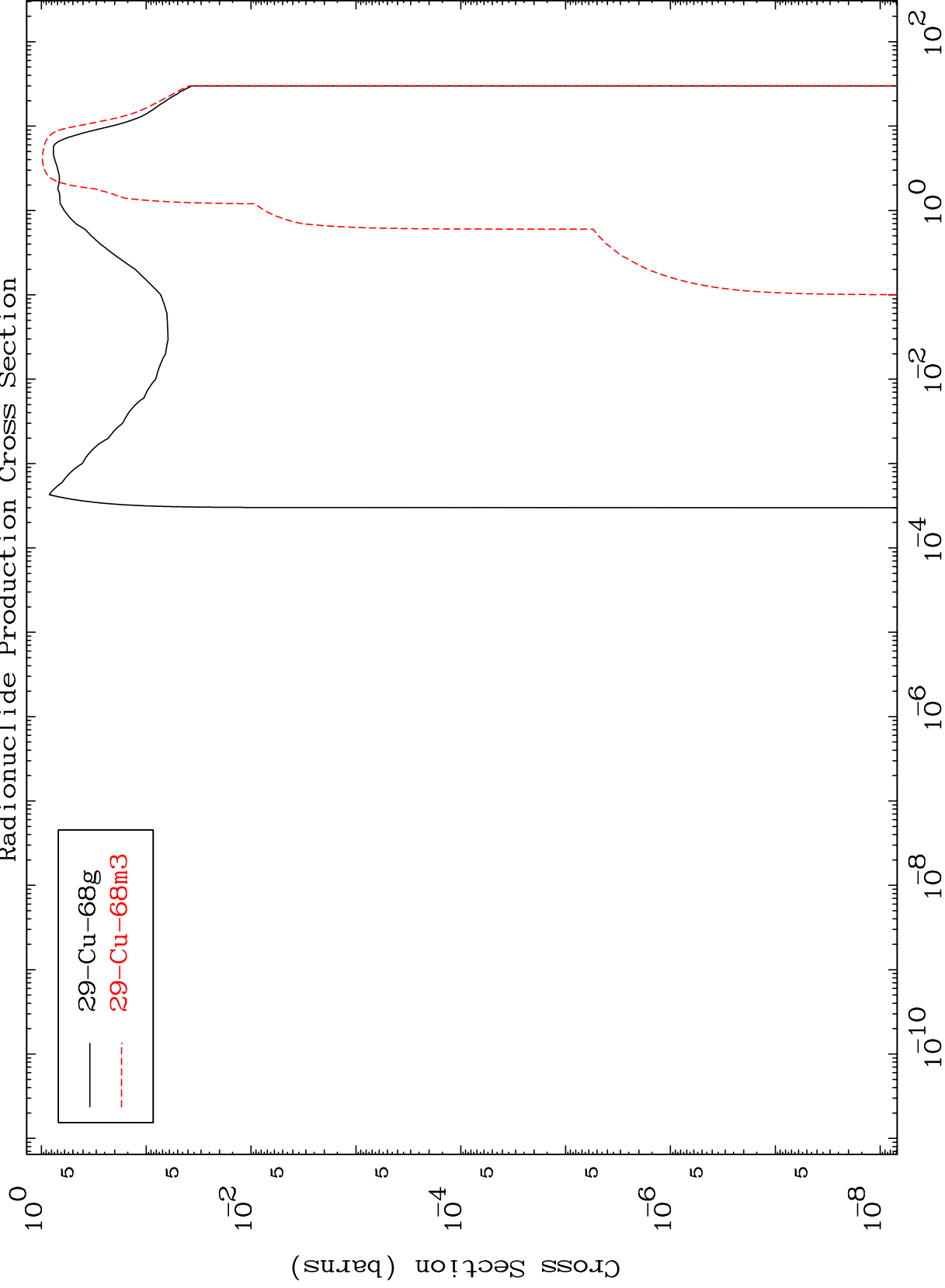




MAT 2941

29-Cu-68m

Inelastic
Radionuclide Production Cross Section



20

Incident Energy (MeV)

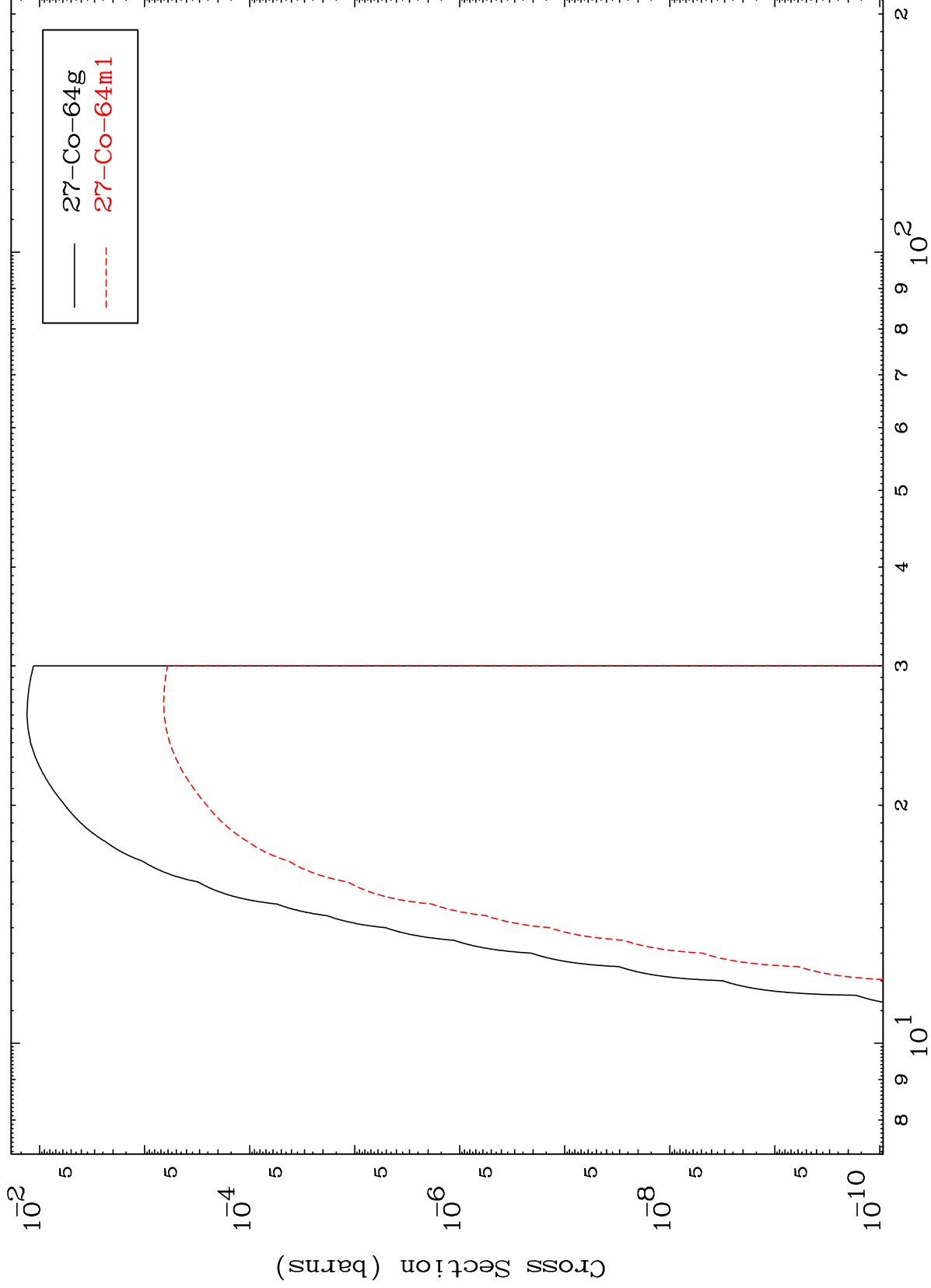
29-Cu-68m

MAT 2941

$(n, n') \alpha$

29-Cu-68m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

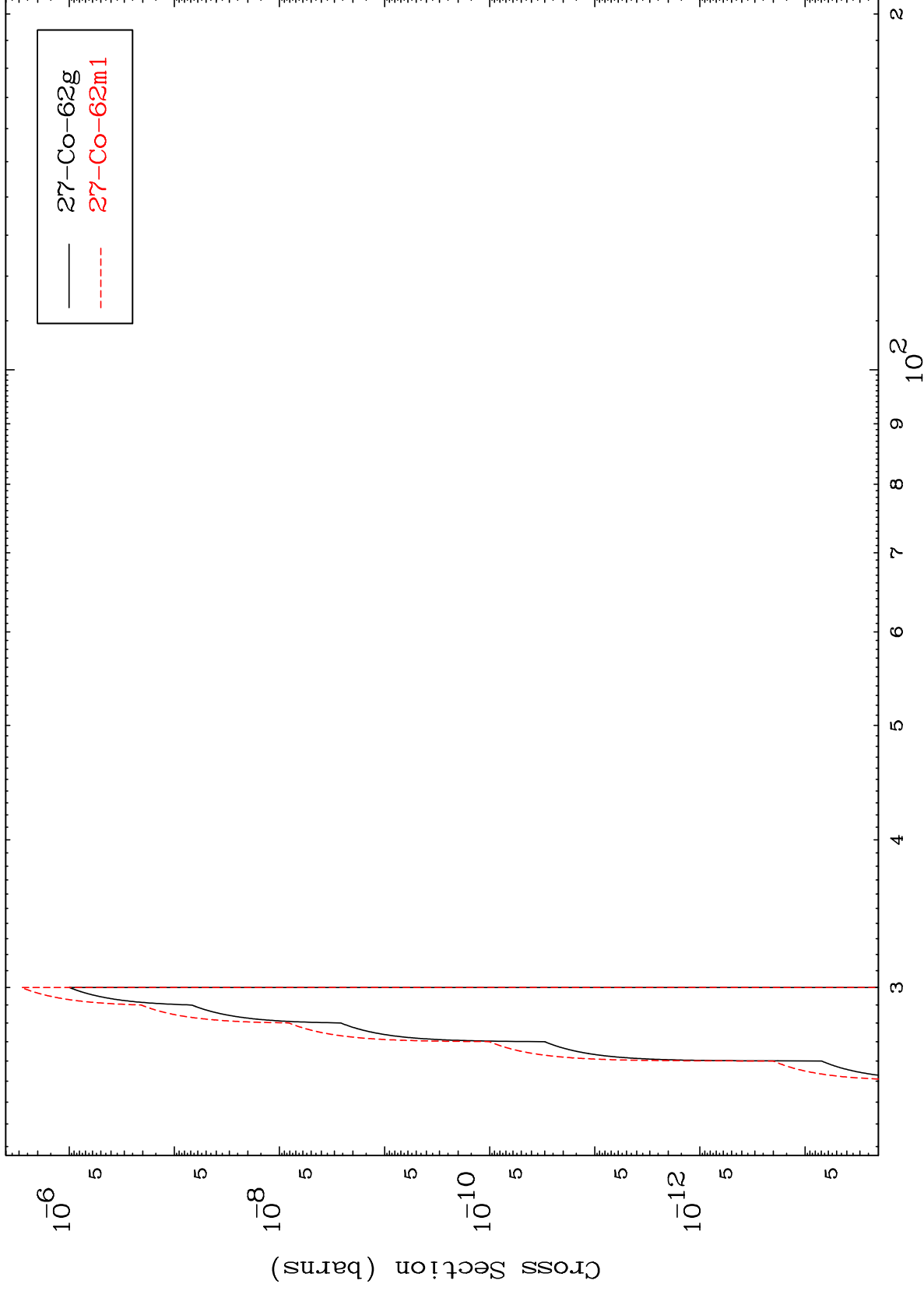
29-Cu-68m

MAT 2941

$(n,3n) \alpha$

29-Cu-68m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

29-Cu-68m