

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

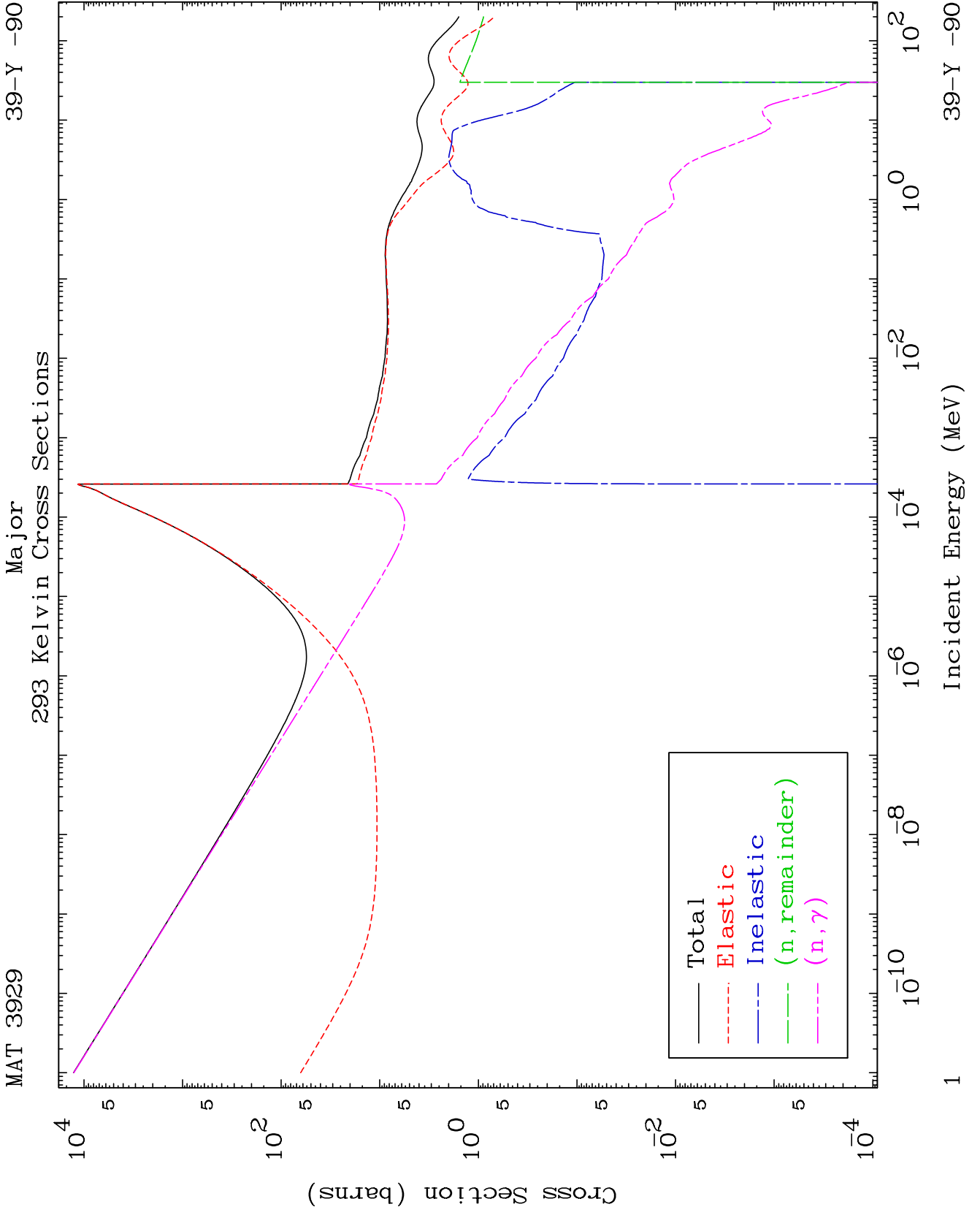
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

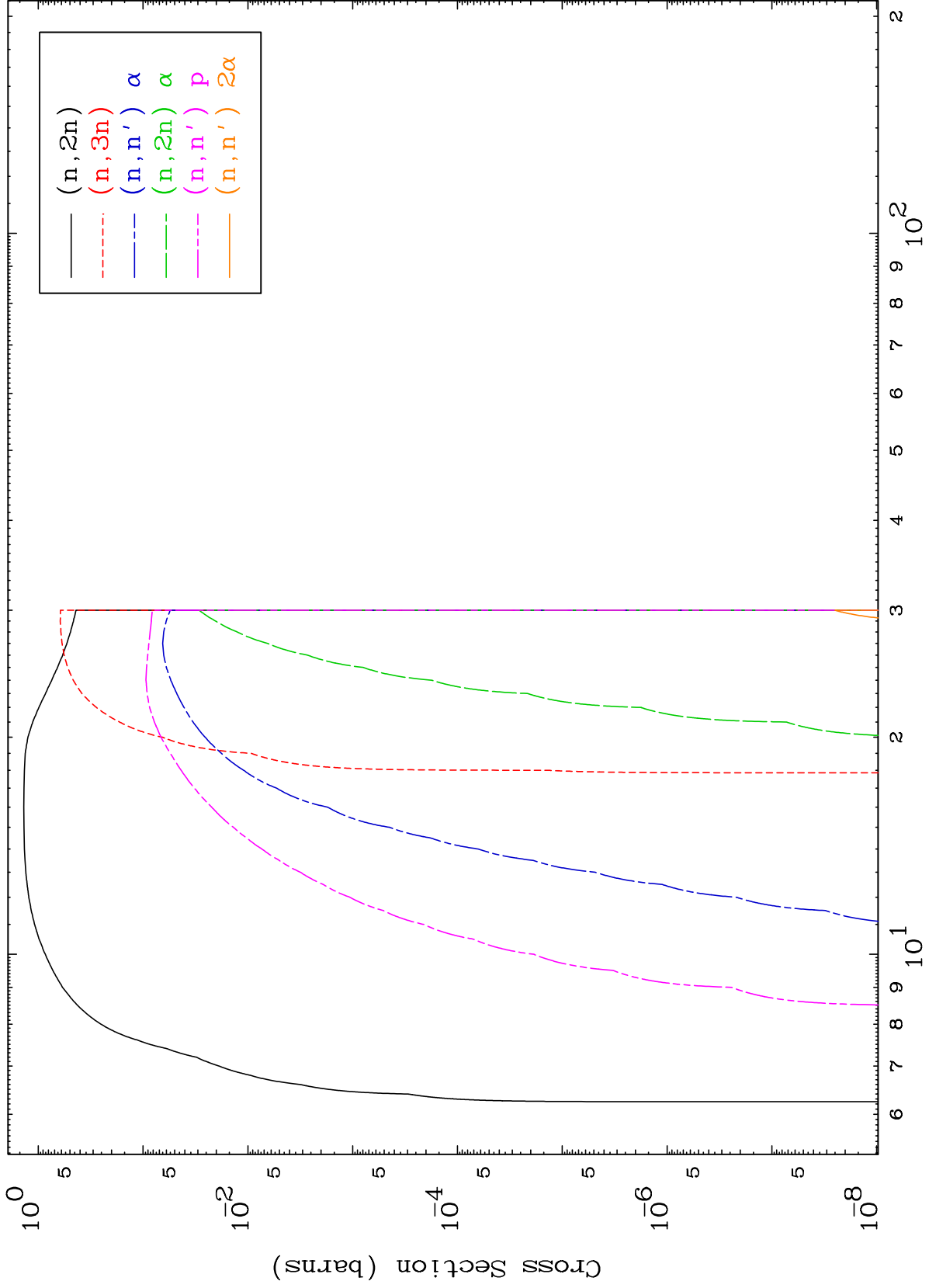
Press Mouse Button to Start



MAT 3929

Neutron Production
293 Kelvin Cross Sections

39-Y -90

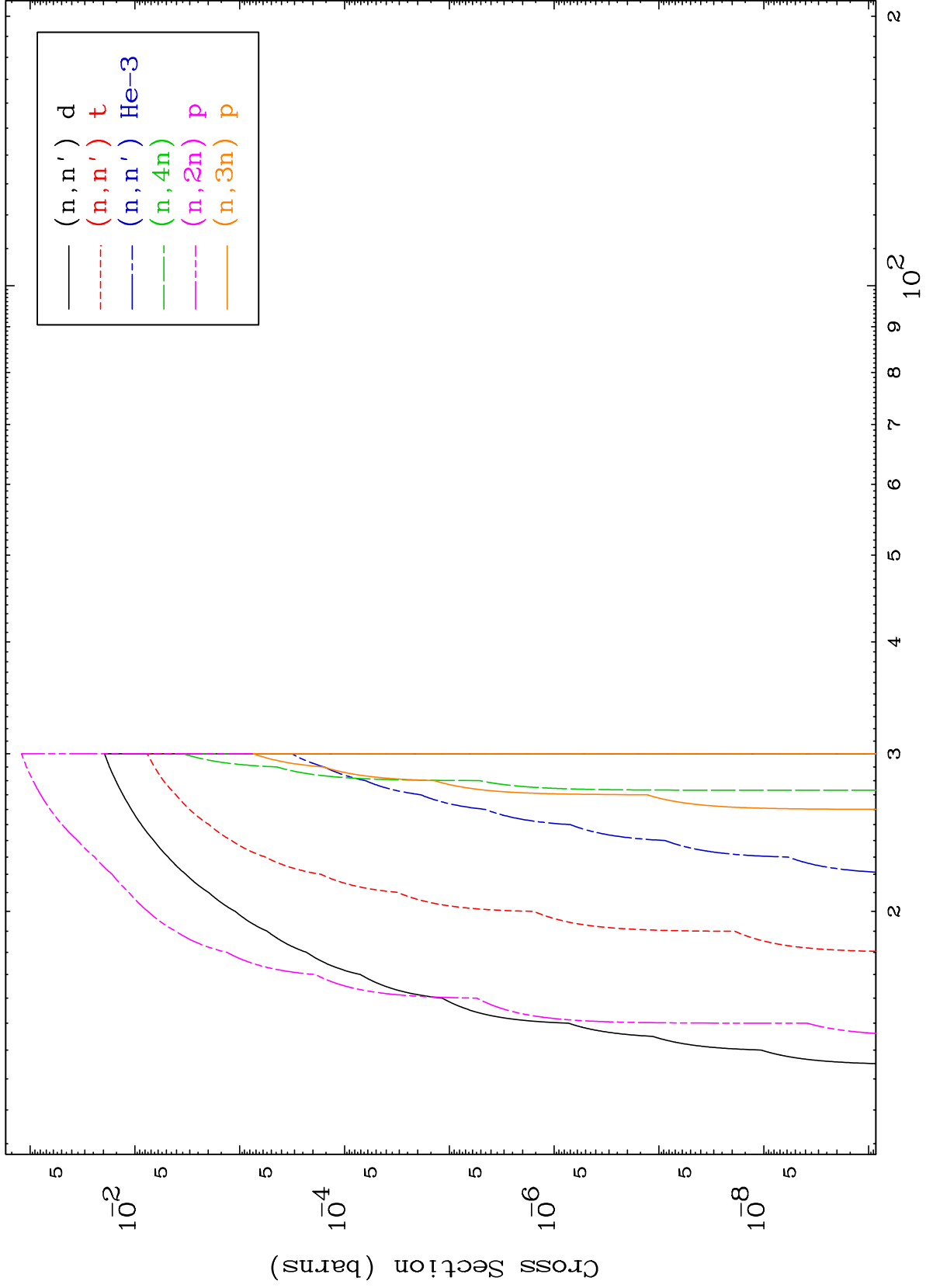


2

Incident Energy (MeV)

39-Y -90

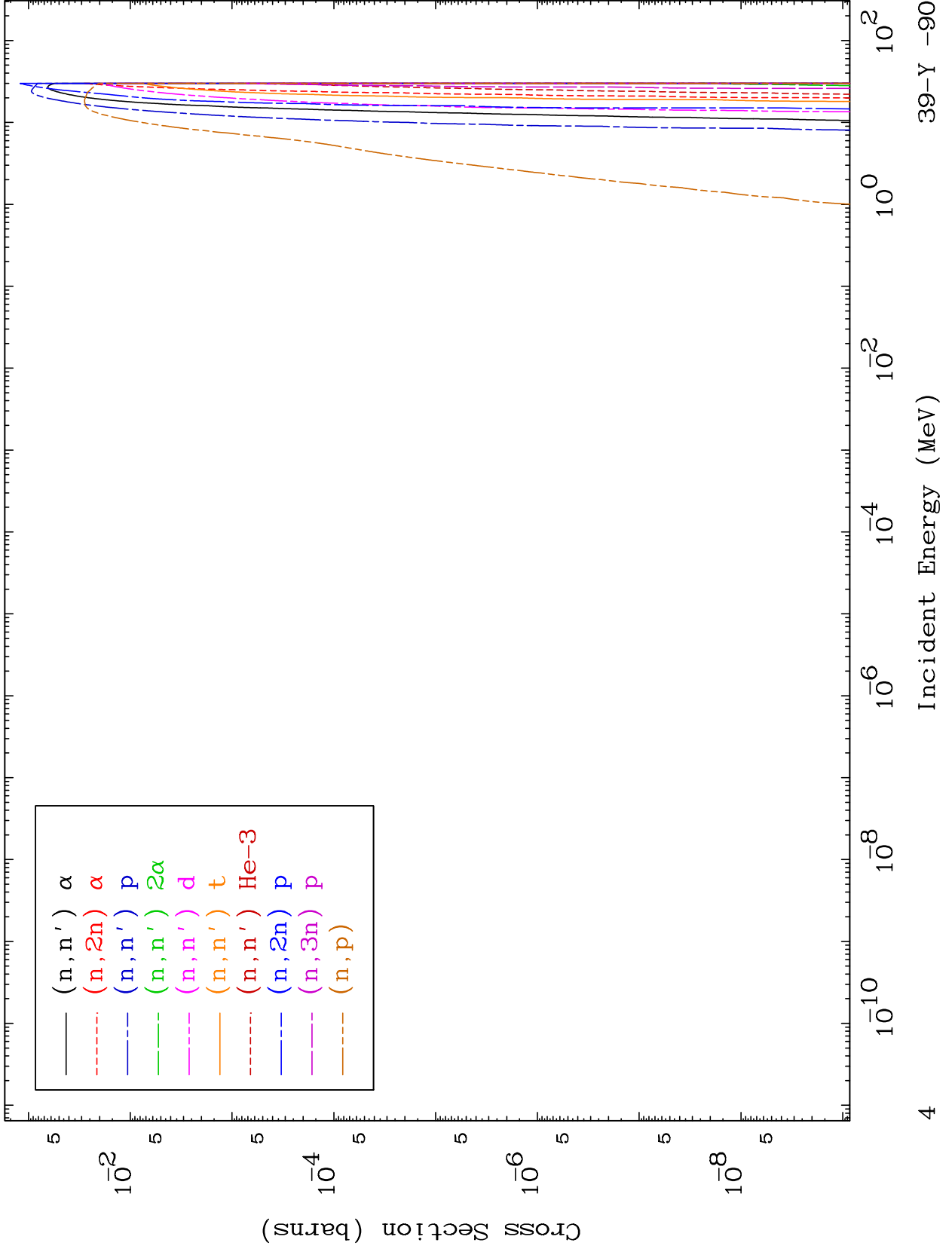
Neutron Production
293 Kelvin Cross Sections



MAT 3929

Charged Particle
293 Kelvin Cross Sections

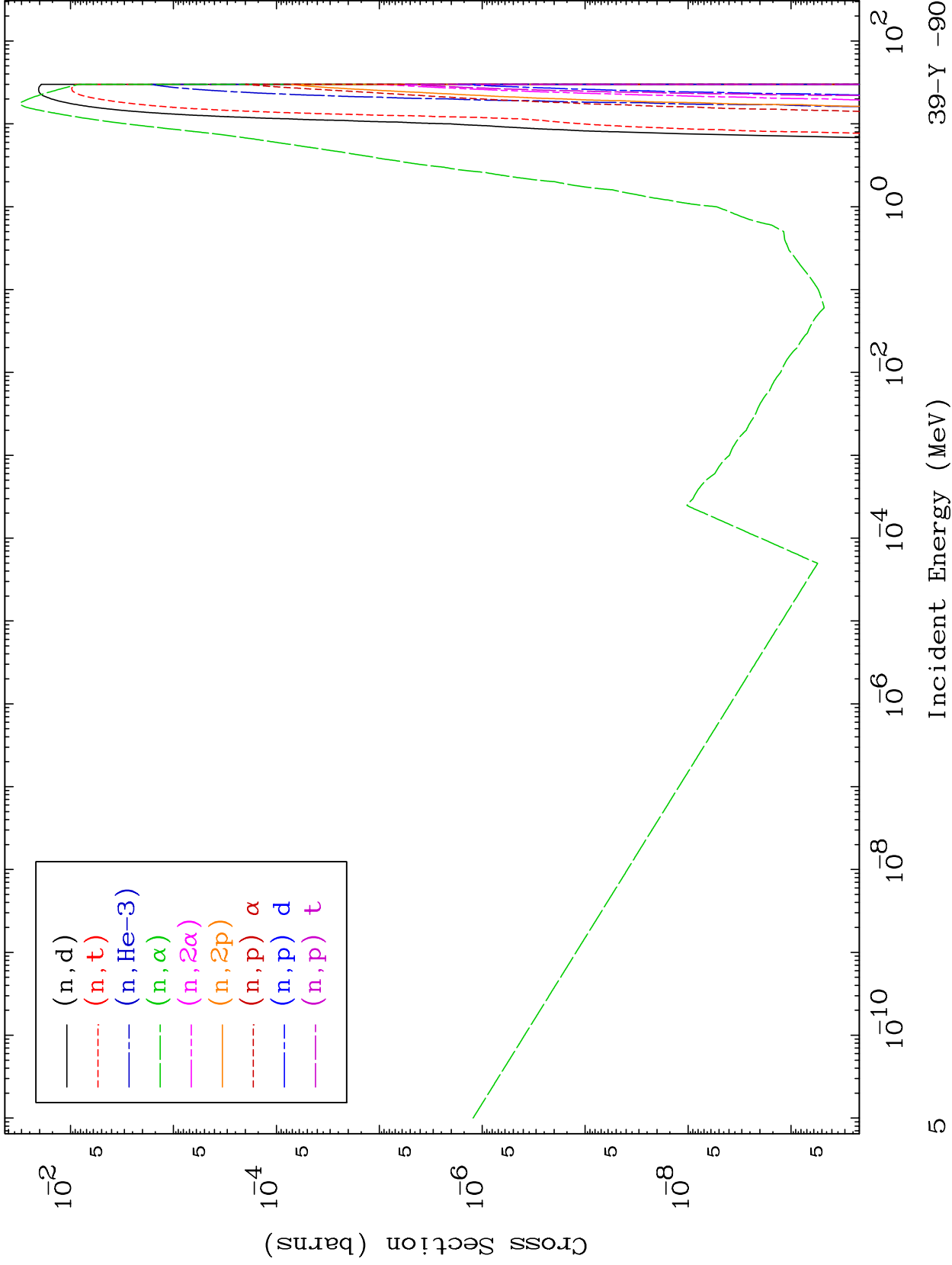
39-Y -90



MAT 3929

Charged Particle
293 Kelvin Cross Sections

39-Y -90

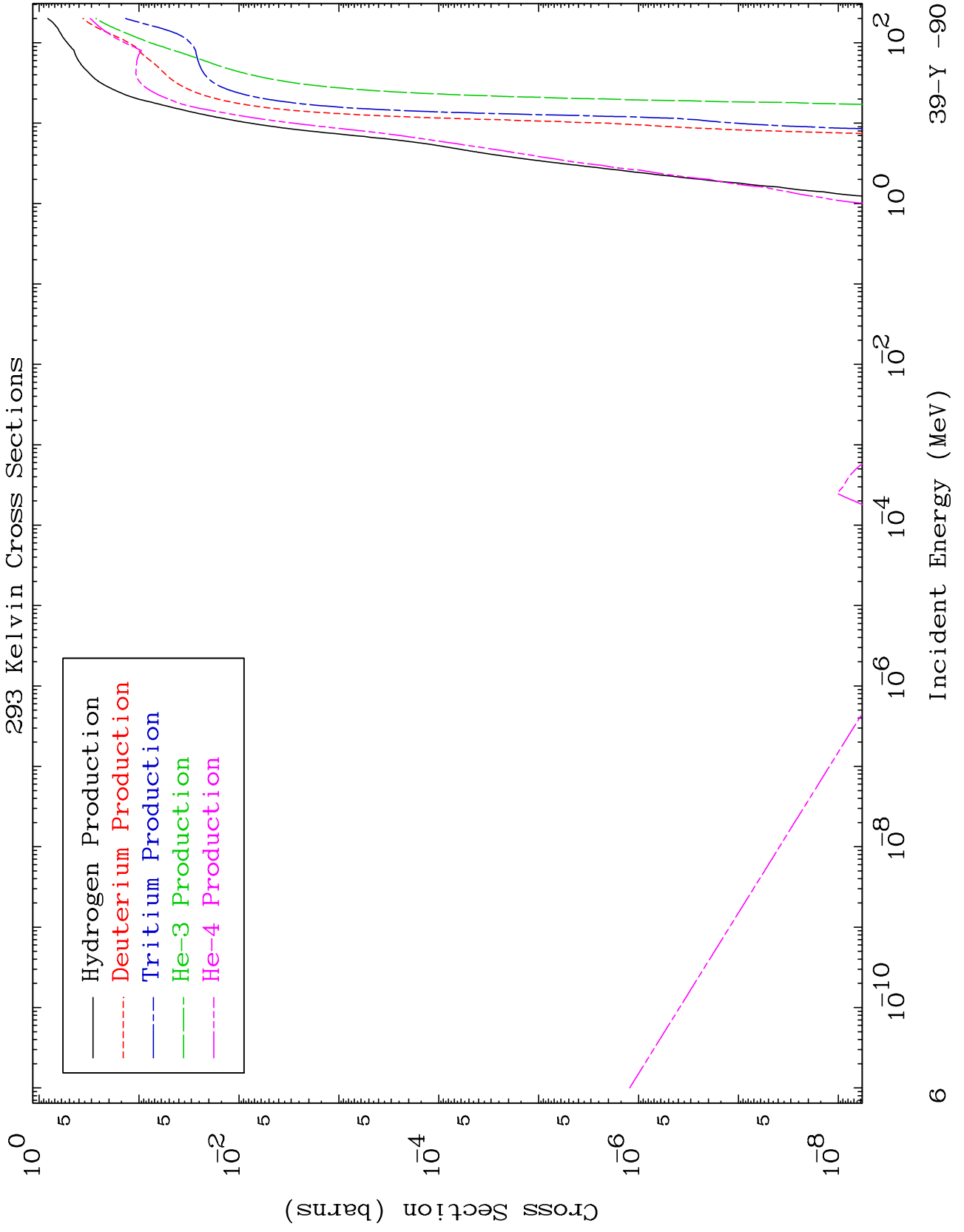


5

MAT 3929

Particle Production
293 Kelvin Cross Sections

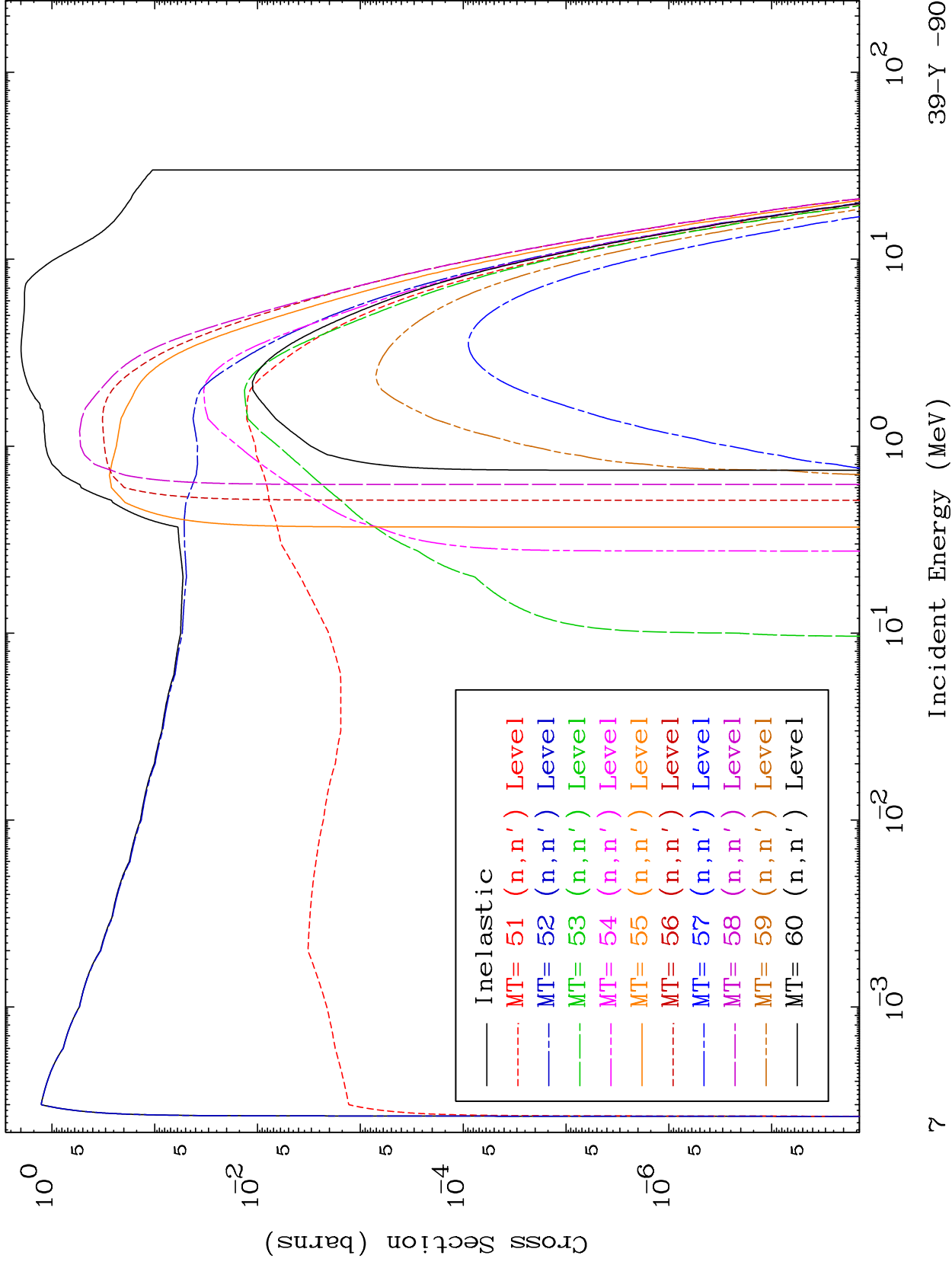
39-Y -90



MAT 3929

(n,n') Level
293 Kelvin Cross Sections

39-Y -90

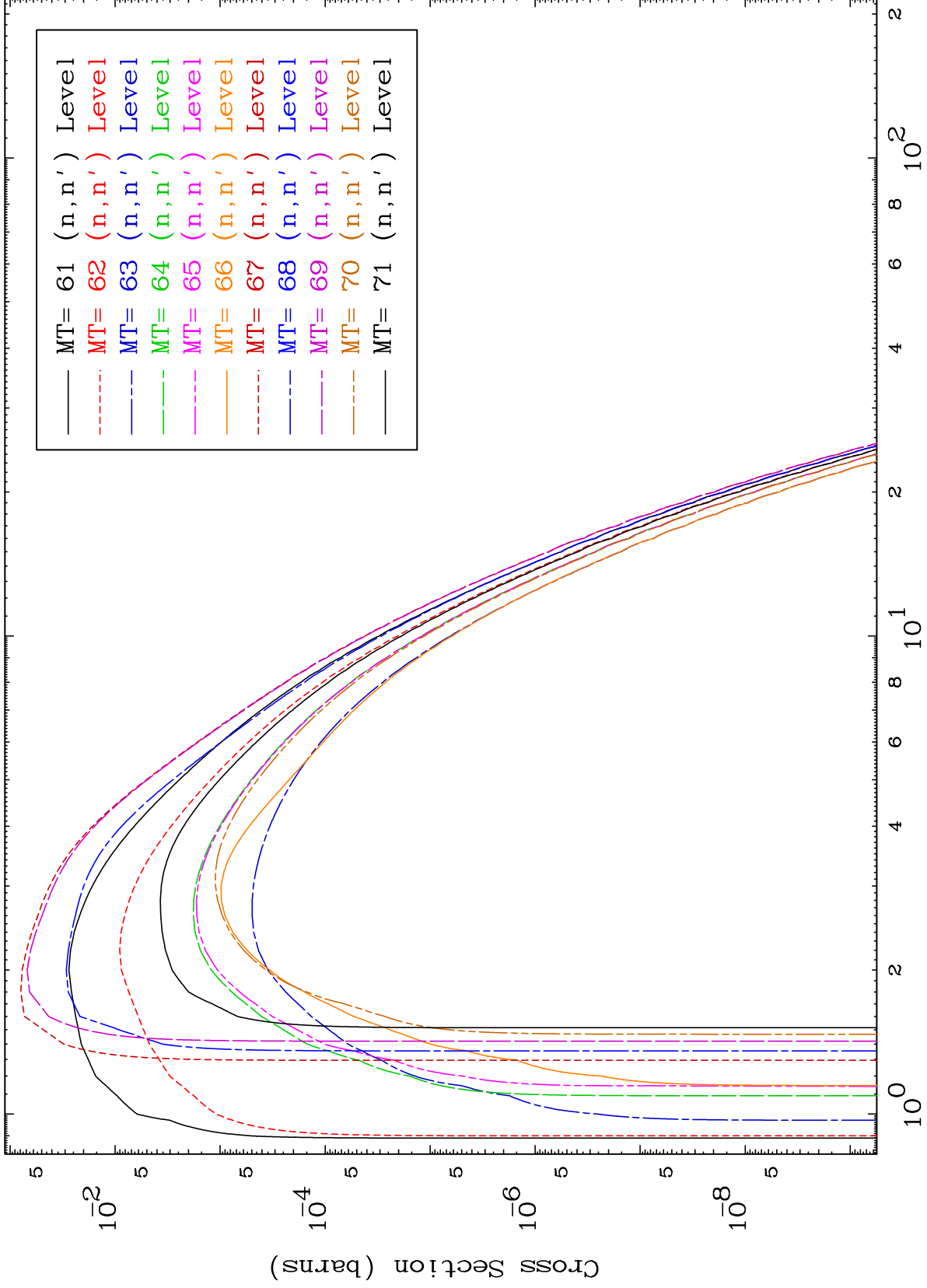


MAT 3929

(n,n') Level

39-Y -90

293 Kelvin Cross Sections



Incident Energy (MeV)

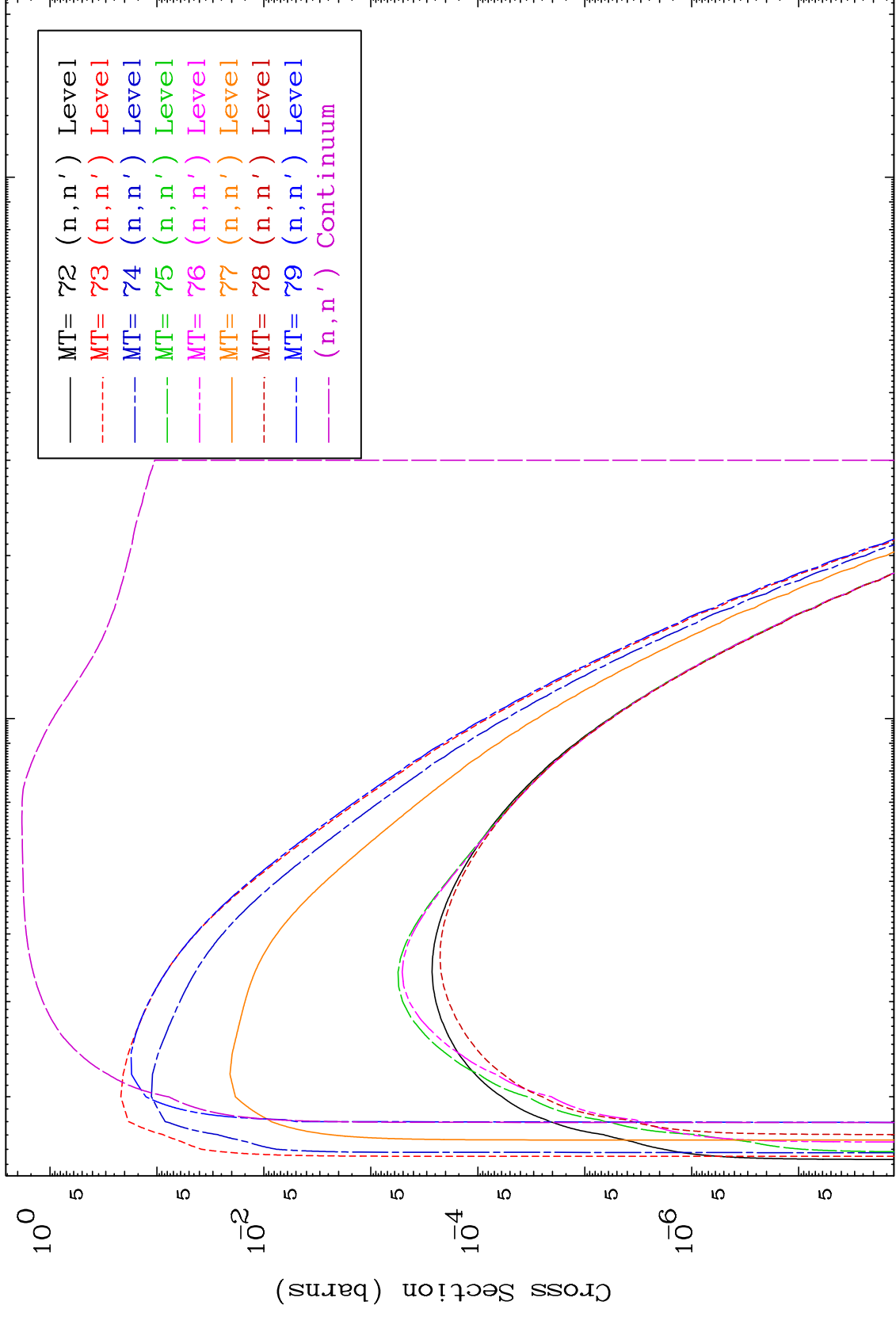
39-Y -90

MAT 3929

(n,n') Level

39-Y -90

293 Kelvin Cross Sections



39-Y -90

Incident Energy (MeV)

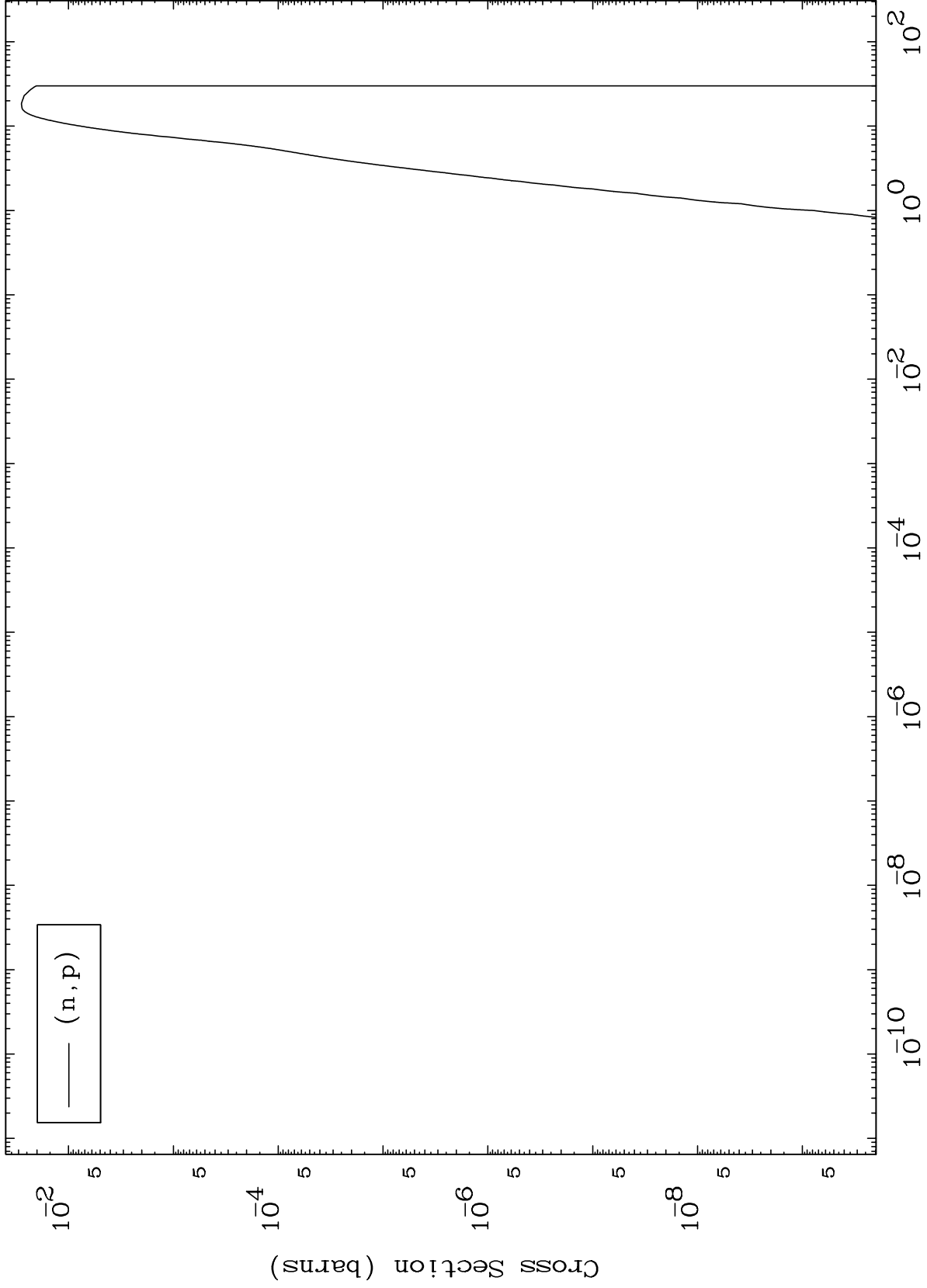
39-Y -90

9

MAT 3929

(n,p) Levels
293 Kelvin Cross Sections

39-Y -90



10

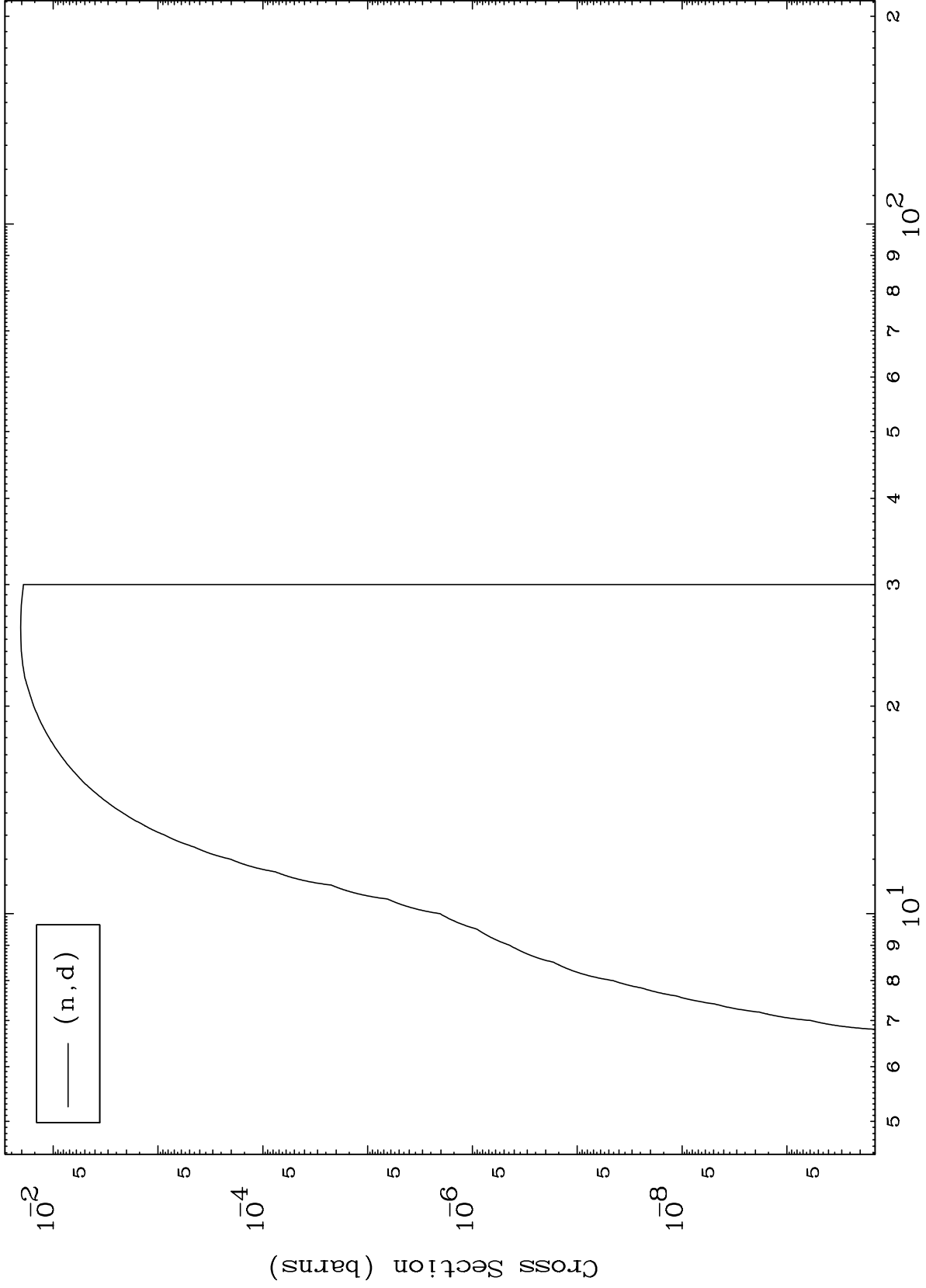
Incident Energy (MeV)

39-Y -90

MAT 3929

(n,d) Levels
293 Kelvin Cross Sections

39-Y -90



11

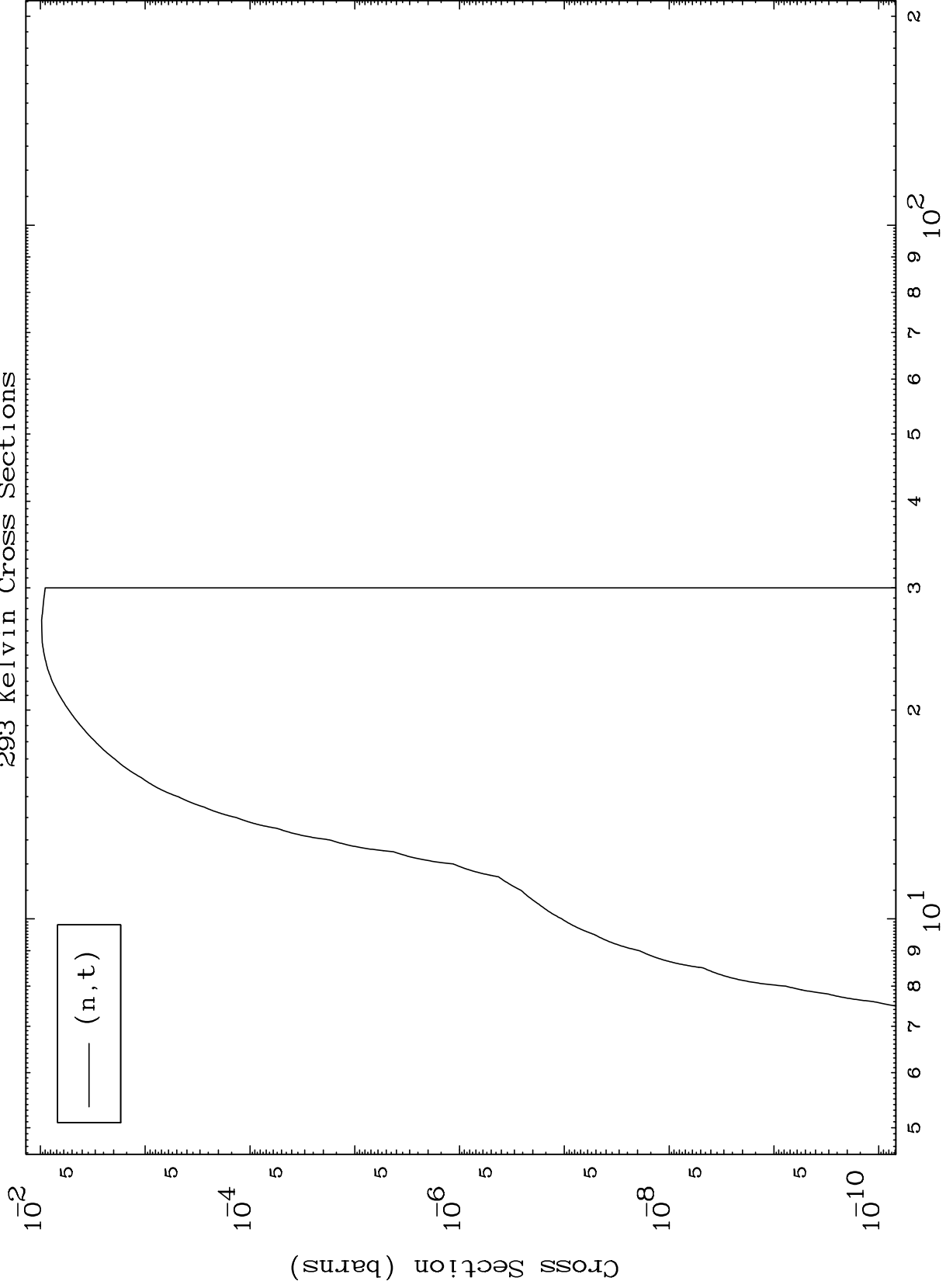
Incident Energy (MeV)

39-Y -90

MAT 3929

(n,t) Levels
293 Kelvin Cross Sections

39-Y -90



12

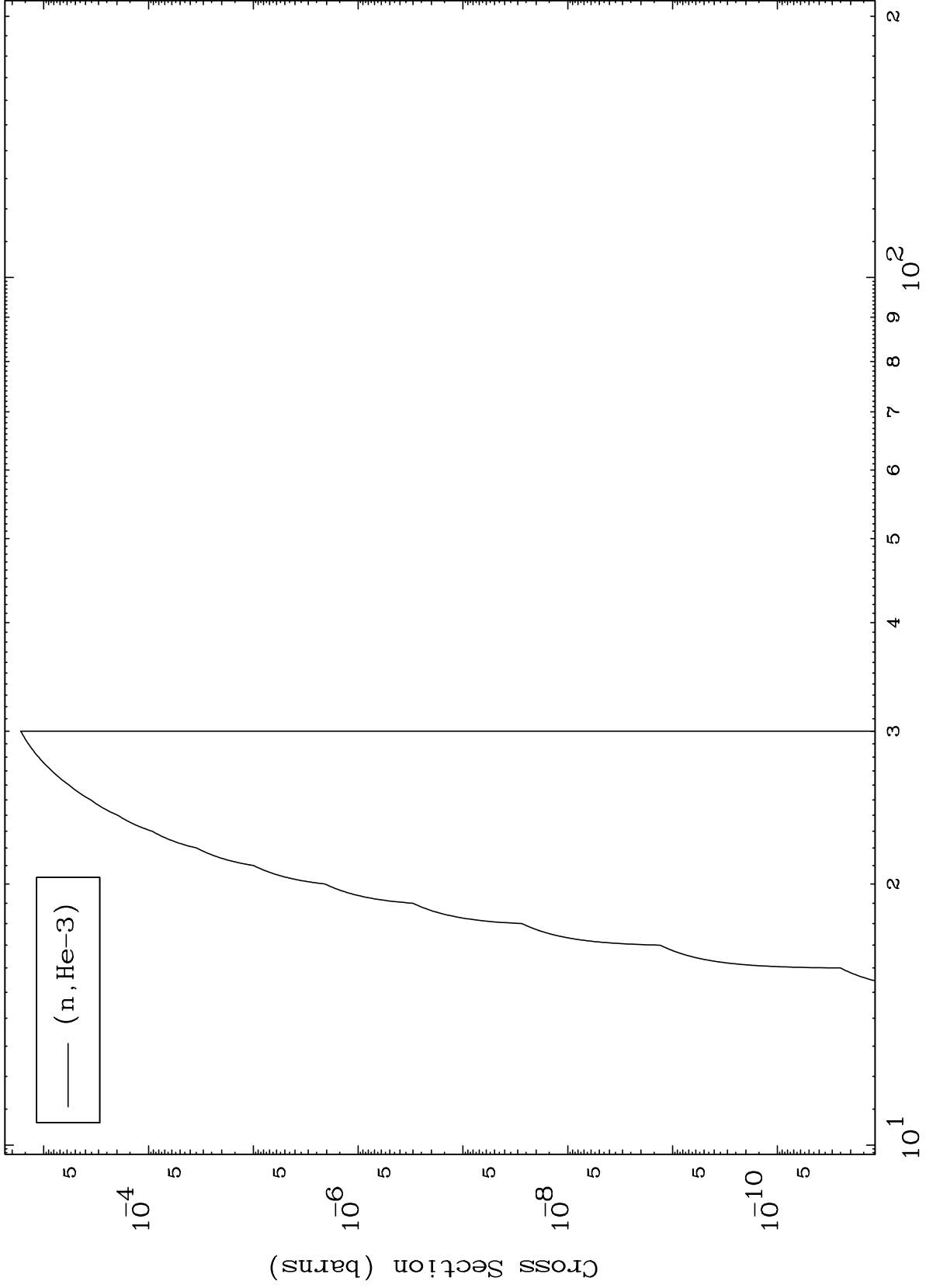
Incident Energy (MeV)

39-Y -90

MAT 3929

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -90



13

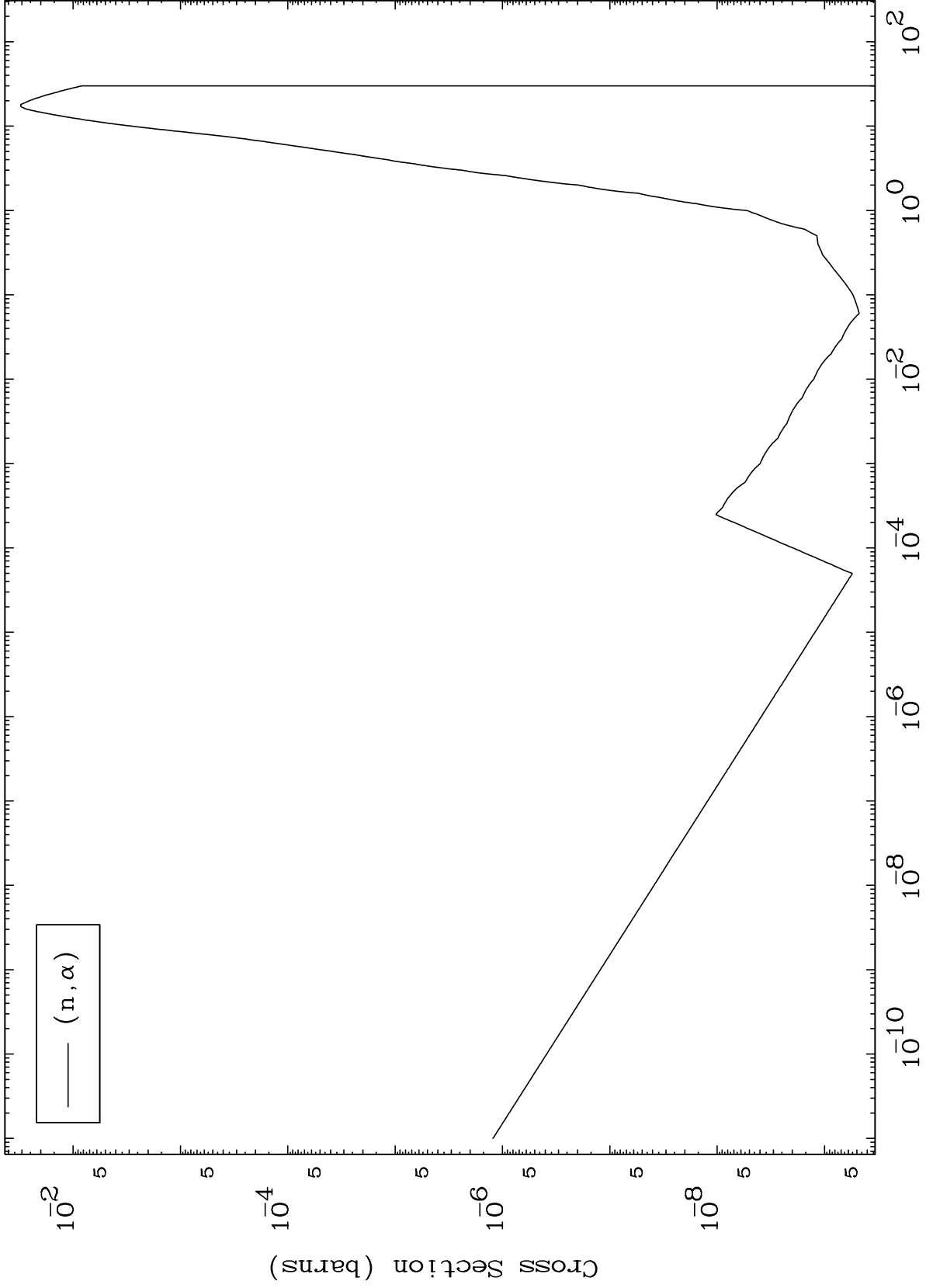
Incident Energy (MeV)

39-Y -90

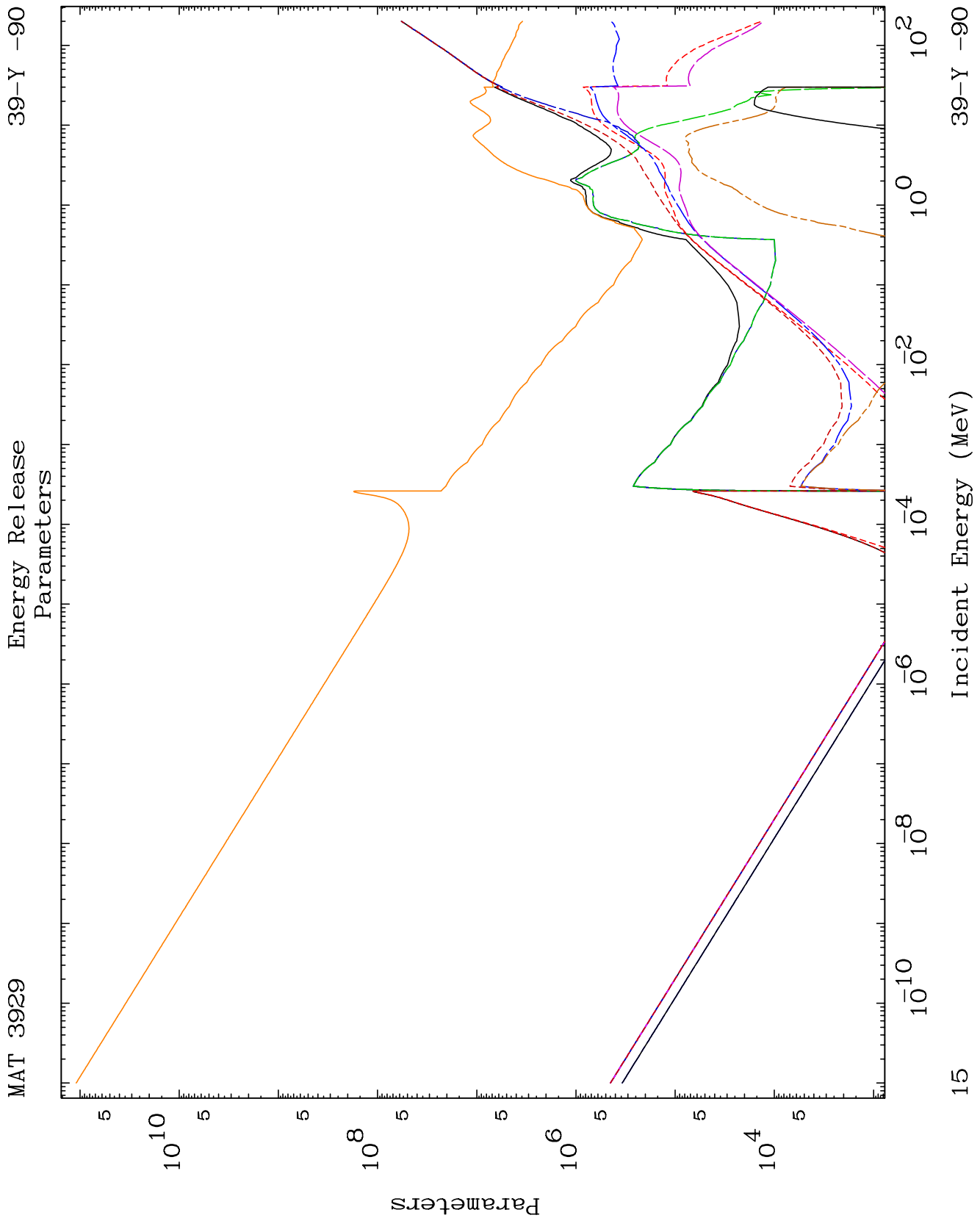
MAT 3929

(n, α) Levels
293 Kelvin Cross Sections

39-Y -90



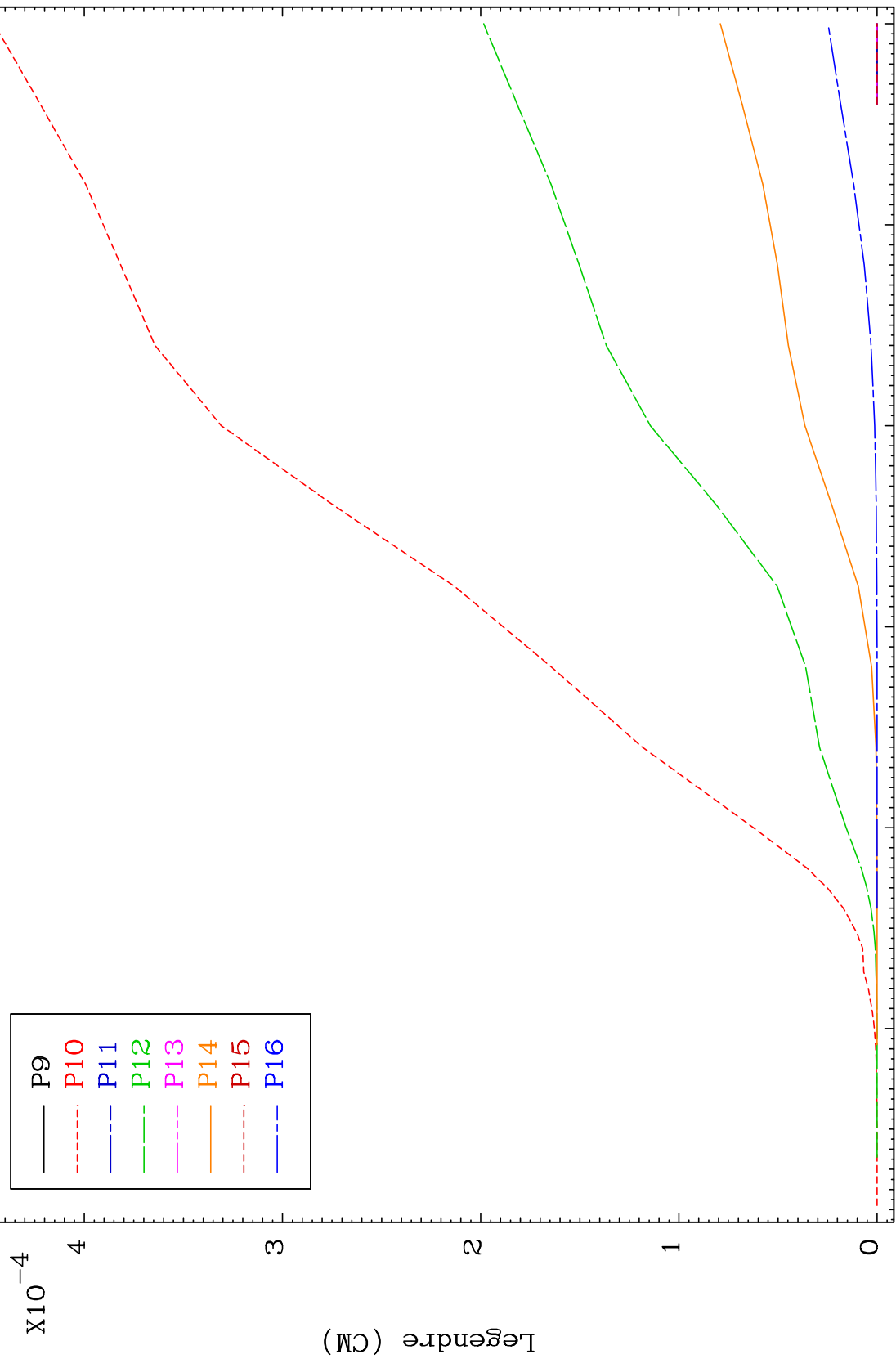
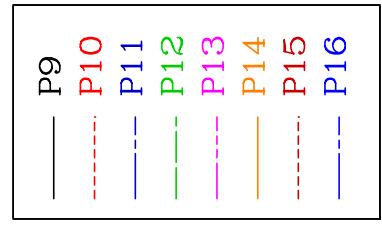
— Dpa disappearance (mt102 -120)



MAT 3929

Elastic Legendre Coefficients

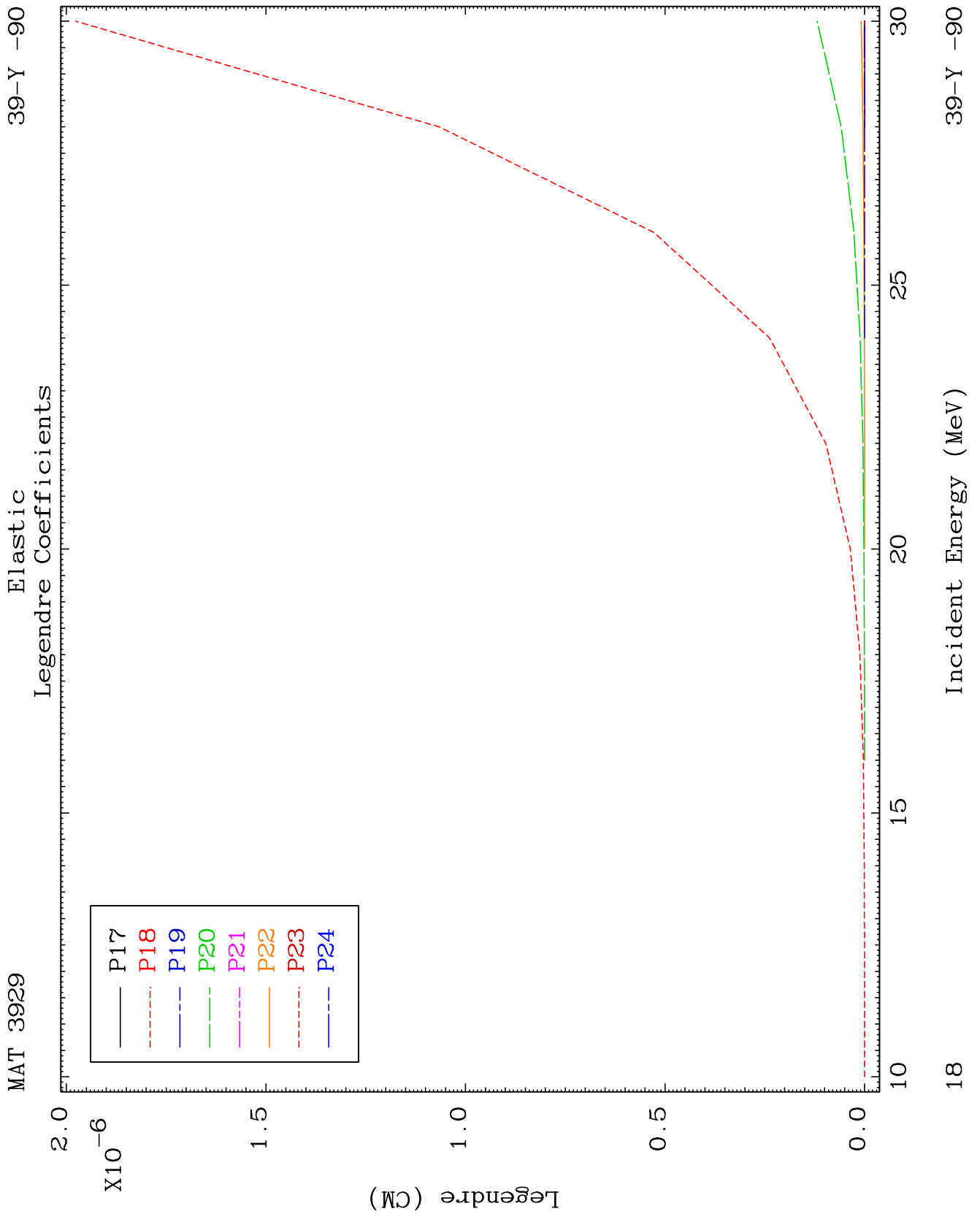
39-Y -90



17

Incident Energy (MeV)

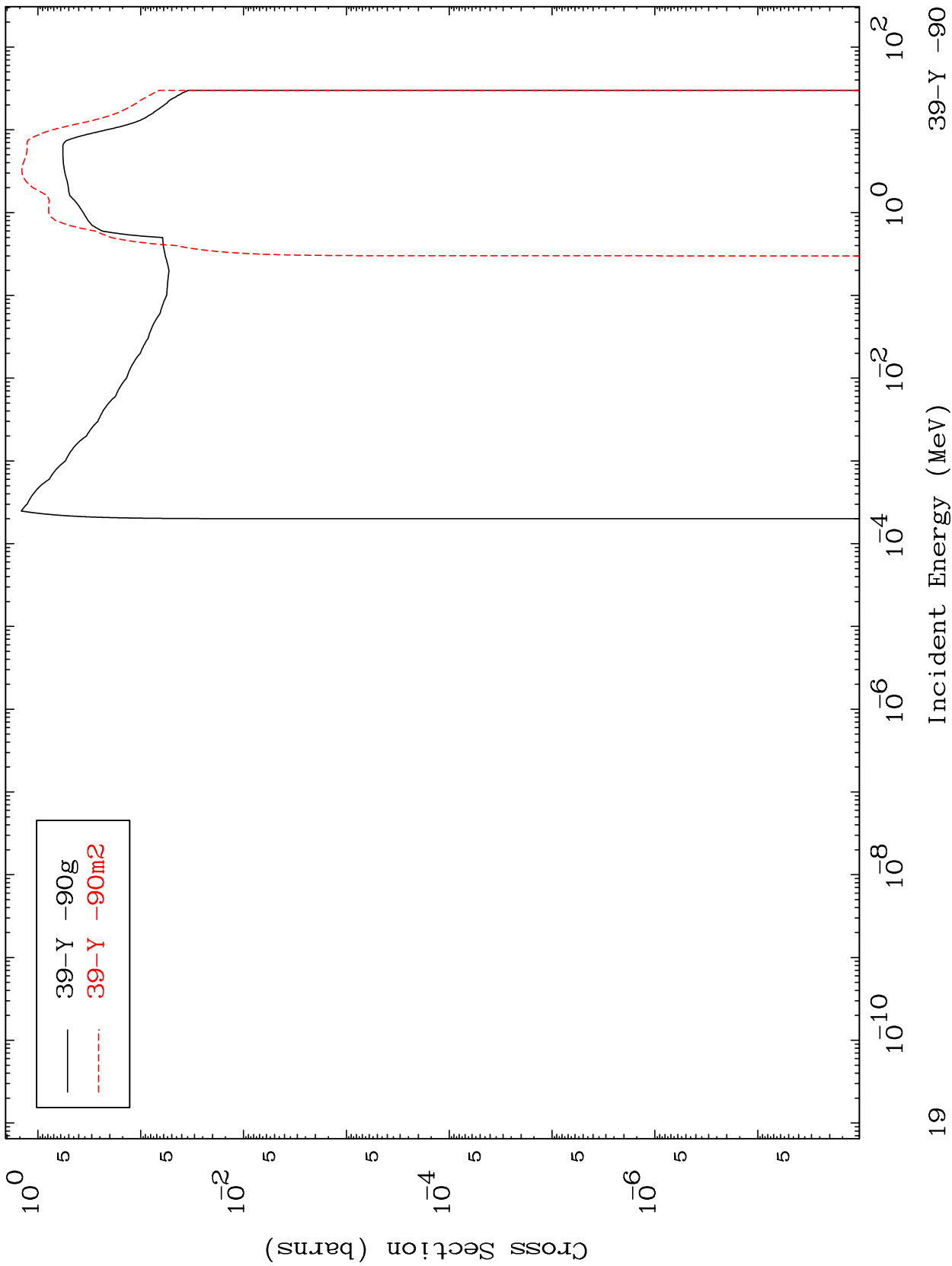
39-Y -90



MAT 3929

39-Y -90

Inelastic
Radionuclide Production Cross Section

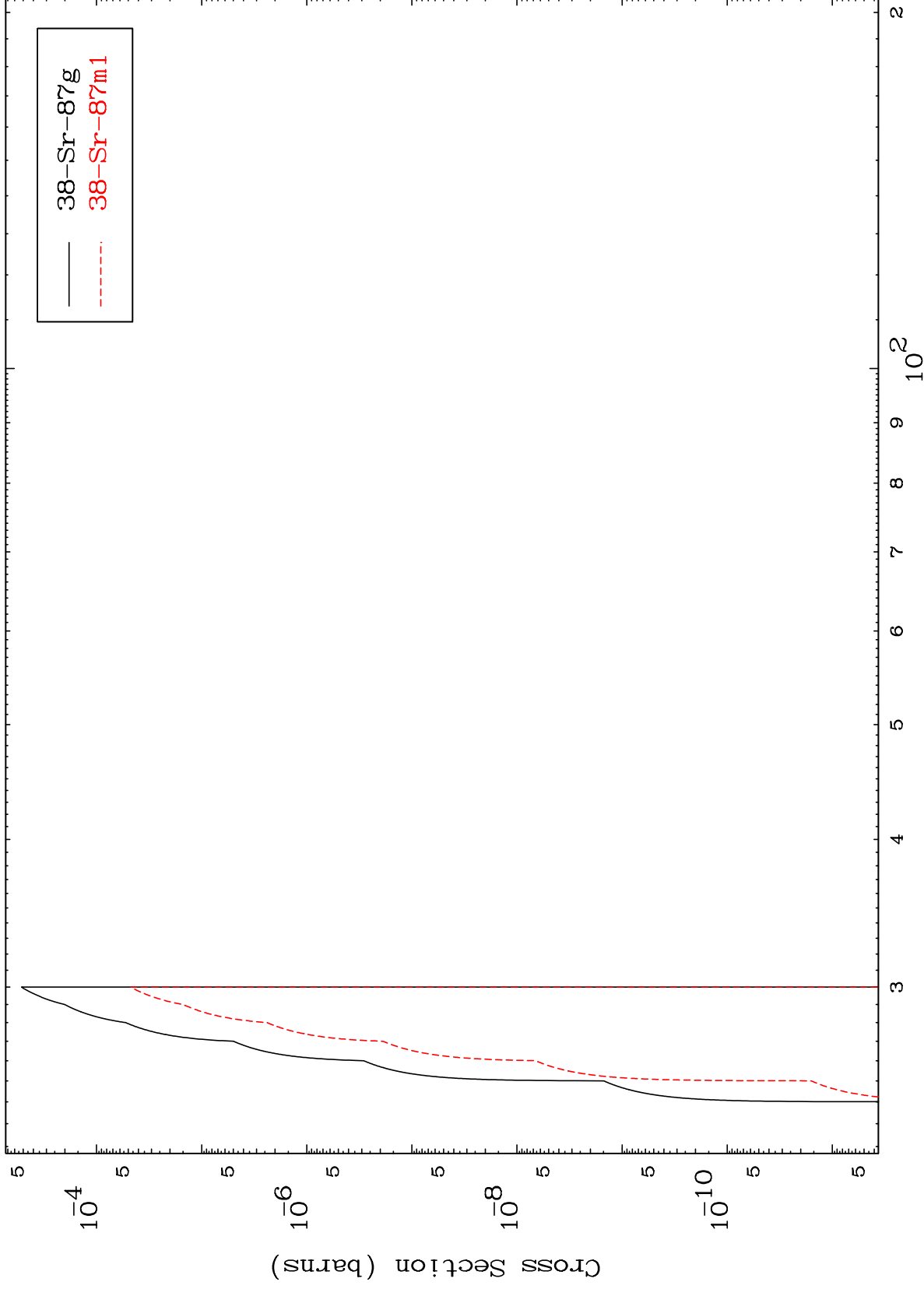


MAT 3929

(n,2n) d

39-Y -90

Radionuclide Production Cross Section



20

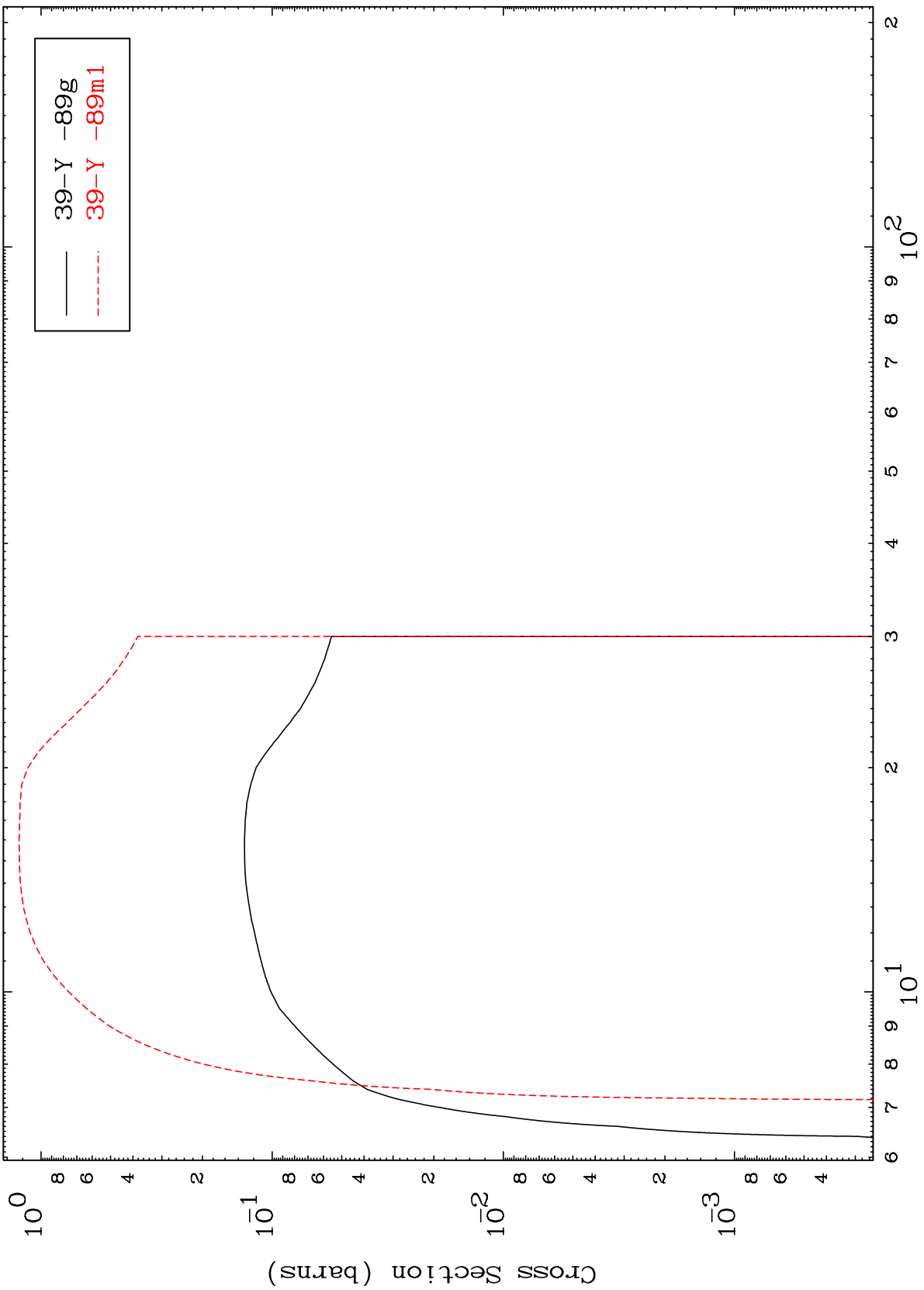
Incident Energy (MeV)

39-Y -90

MAT 3929

39-Y -90

(n,2n)
Radionuclide Production Cross Section



— 39-Y -89g
- - - 39-Y -89m1

21

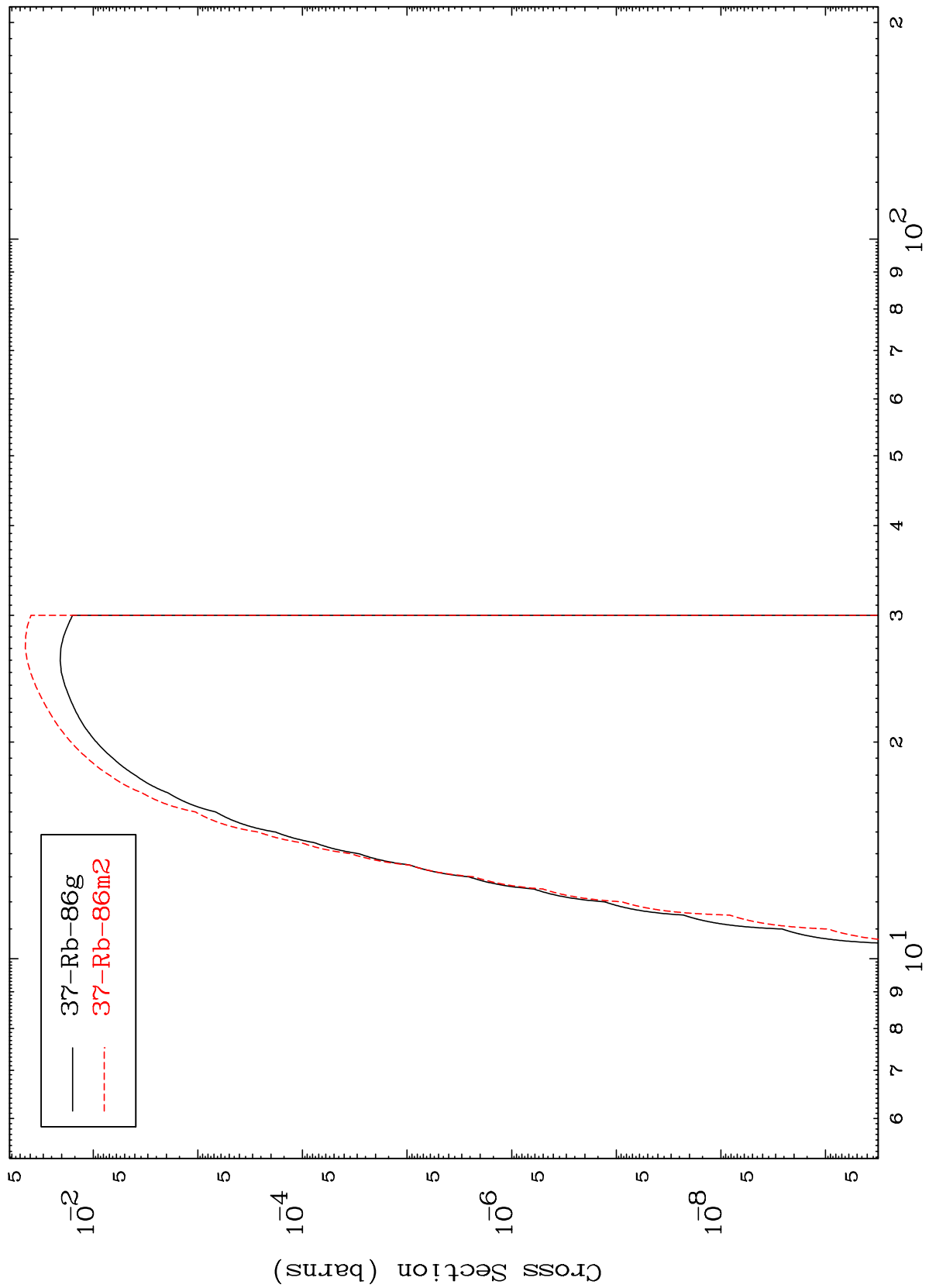
Incident Energy (MeV)

39-Y -90

MAT 3929

39-Y -90

$(n, n') \alpha$
Radionuclide Production Cross Section

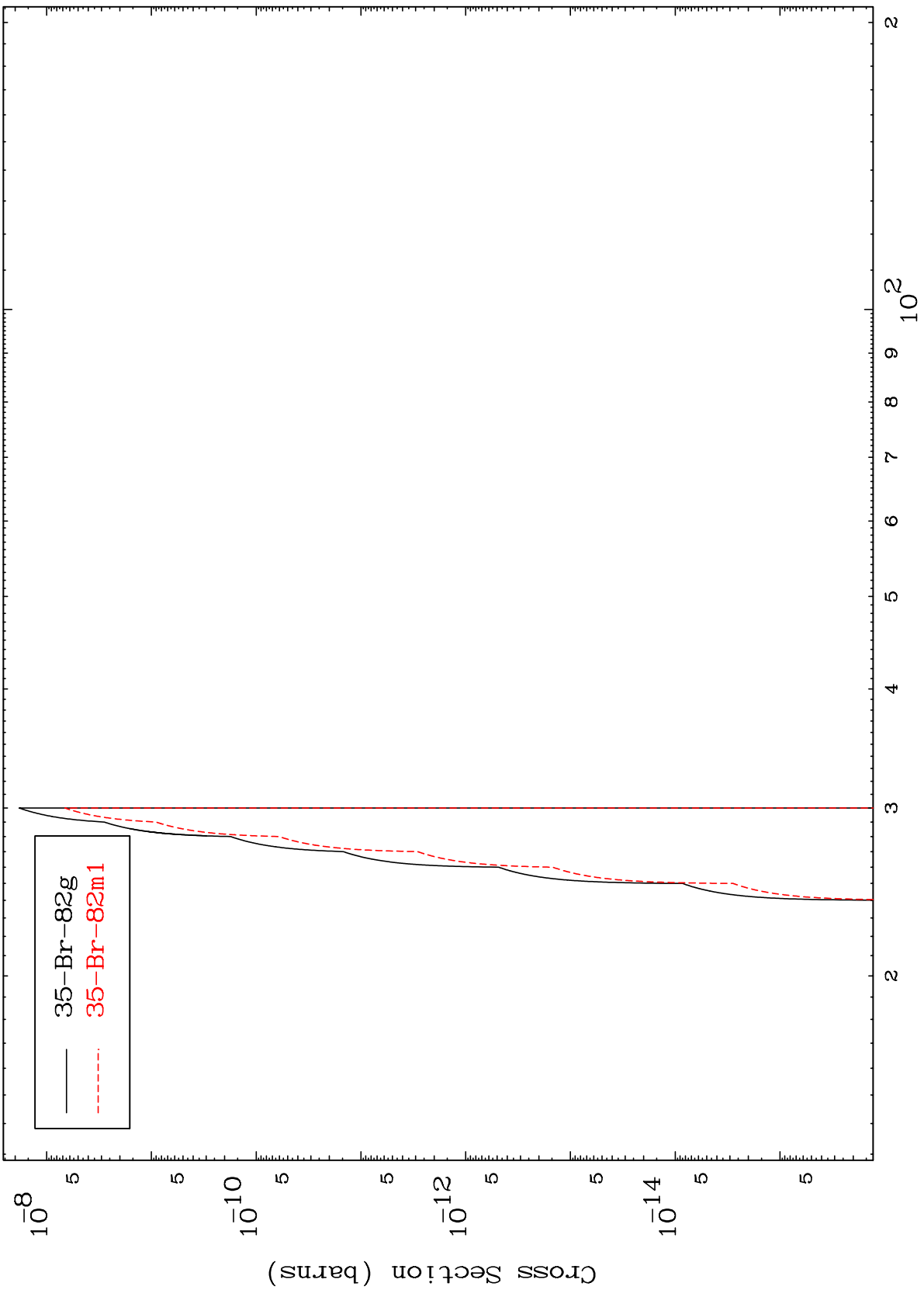


22

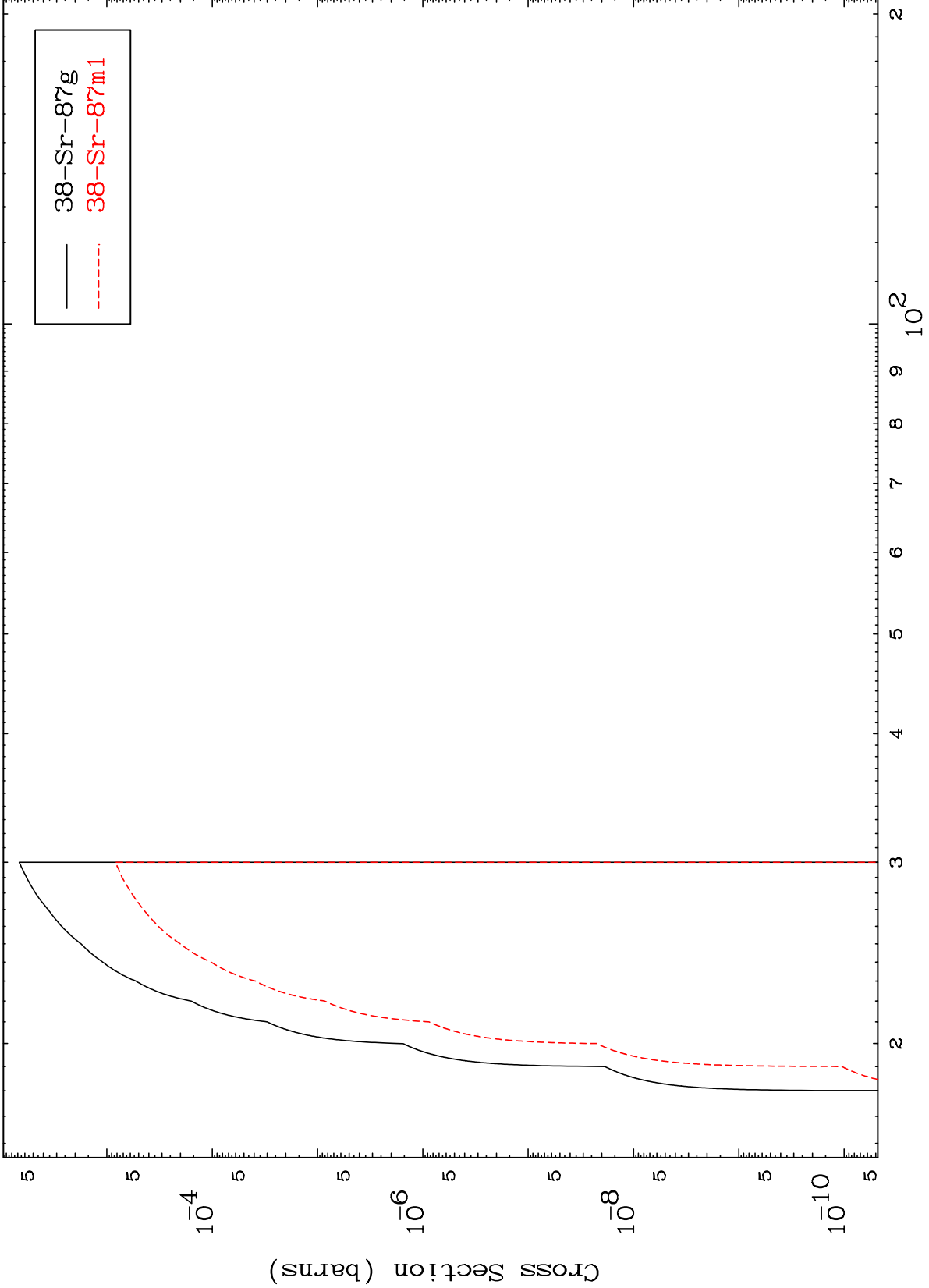
Incident Energy (MeV)

39-Y -90

(n,n') 2α
Radionuclide Production Cross Section



Radionuclide Production Cross Section

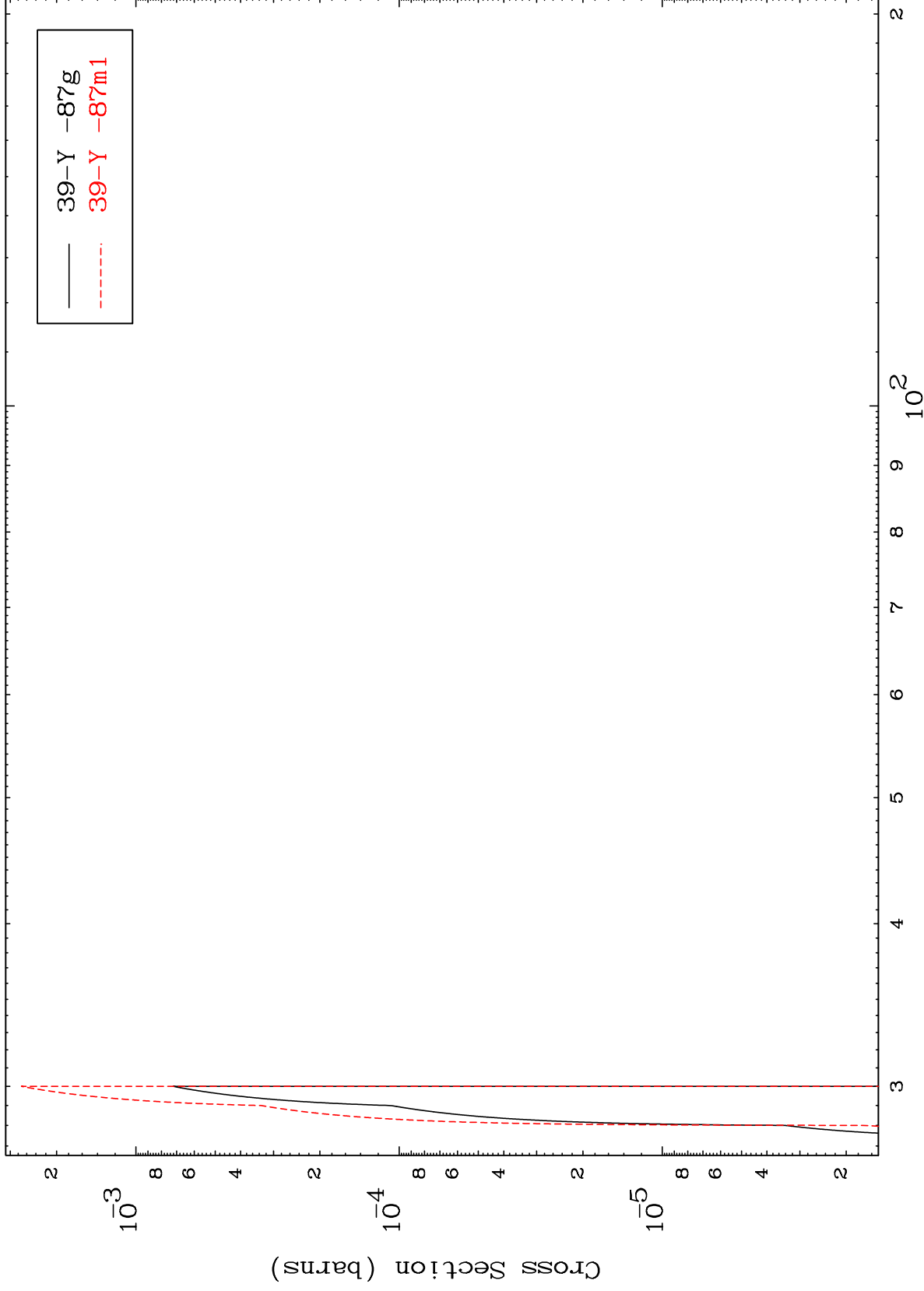


MAT 3929

(n,4n)

39-Y -90

Radionuclide Production Cross Section

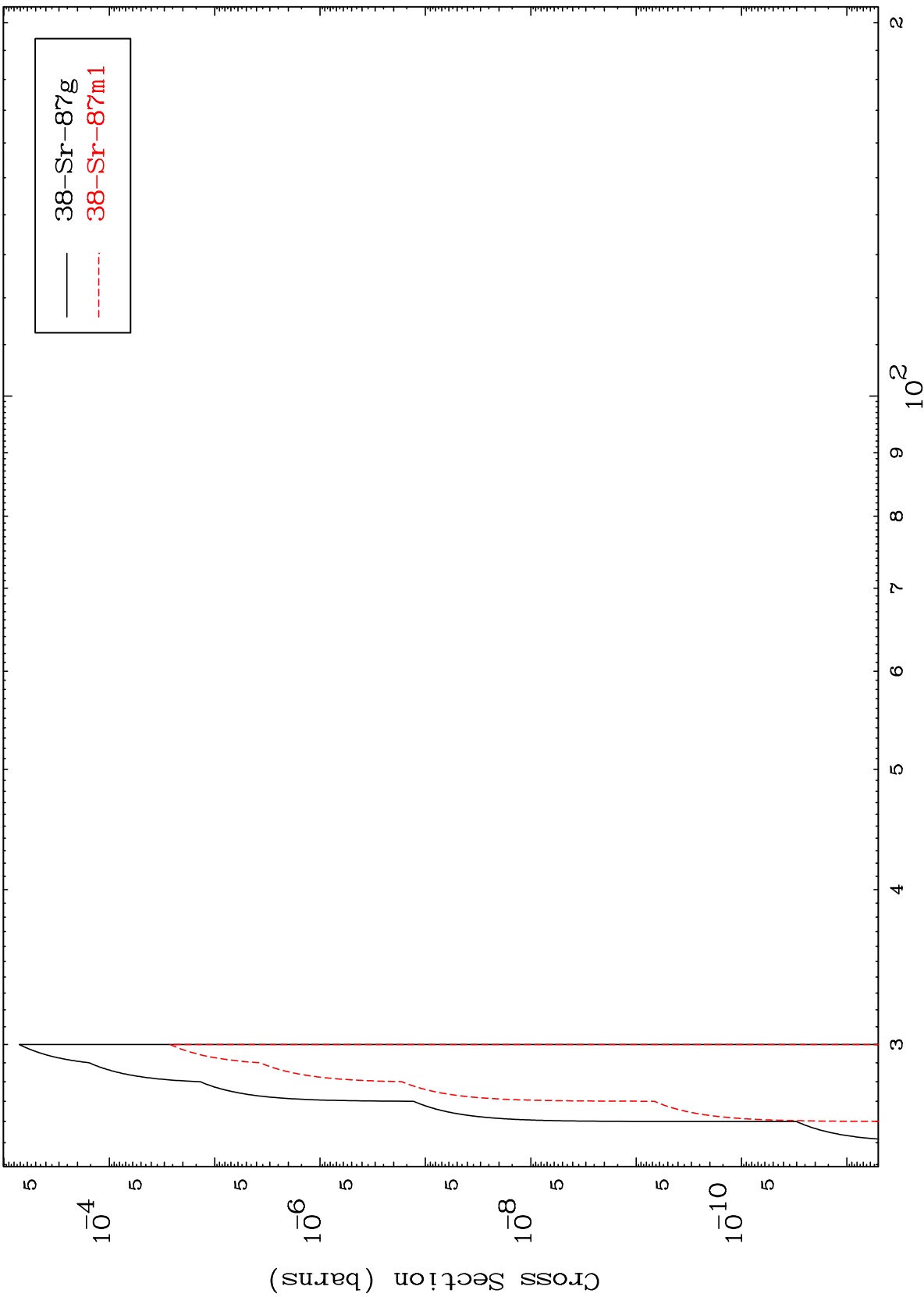


25

Incident Energy (MeV)

39-Y -90

Radionuclide Production Cross Section

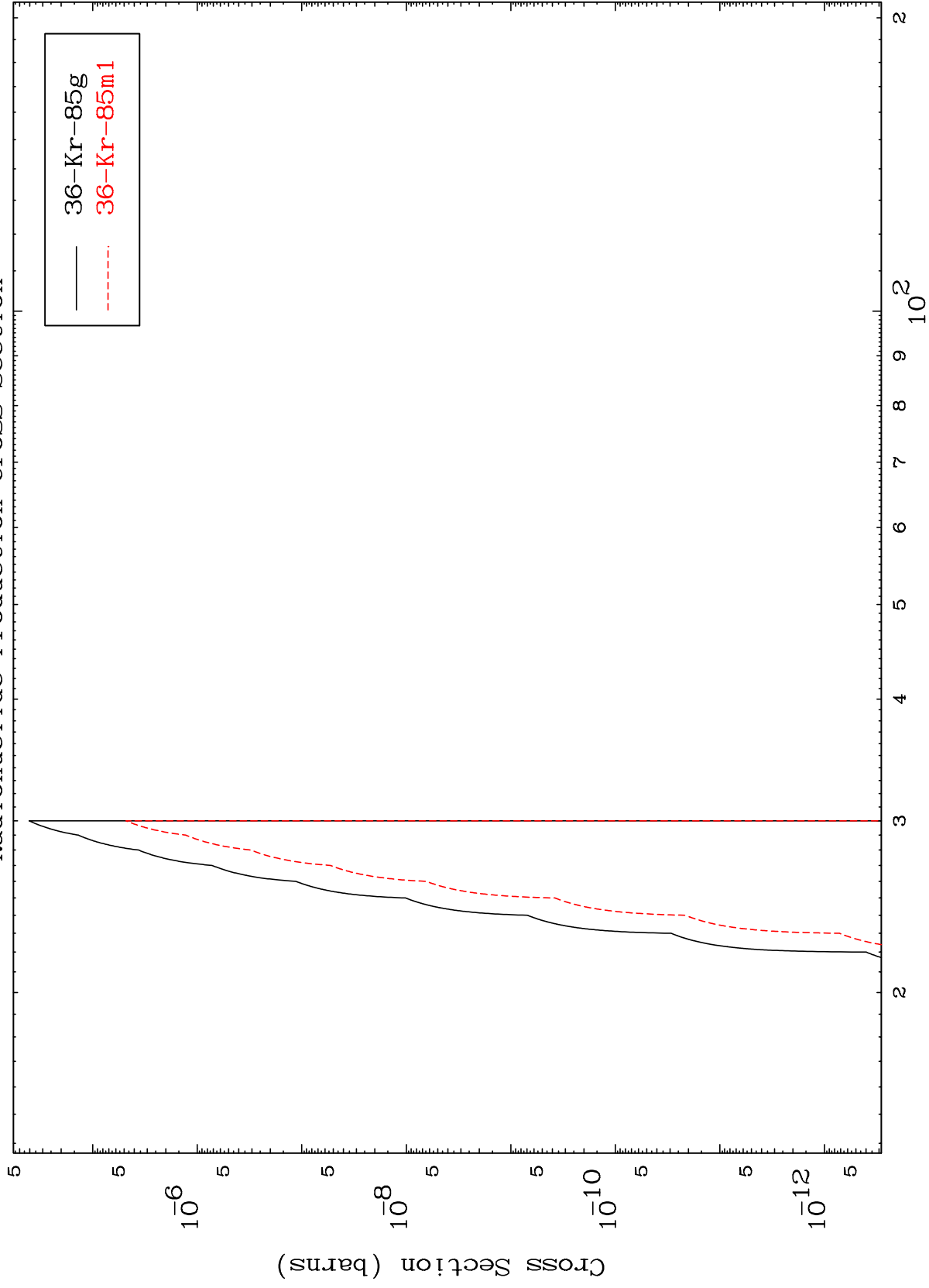


MAT 3929

(n,n') p α

39-Y -90

Radionuclide Production Cross Section



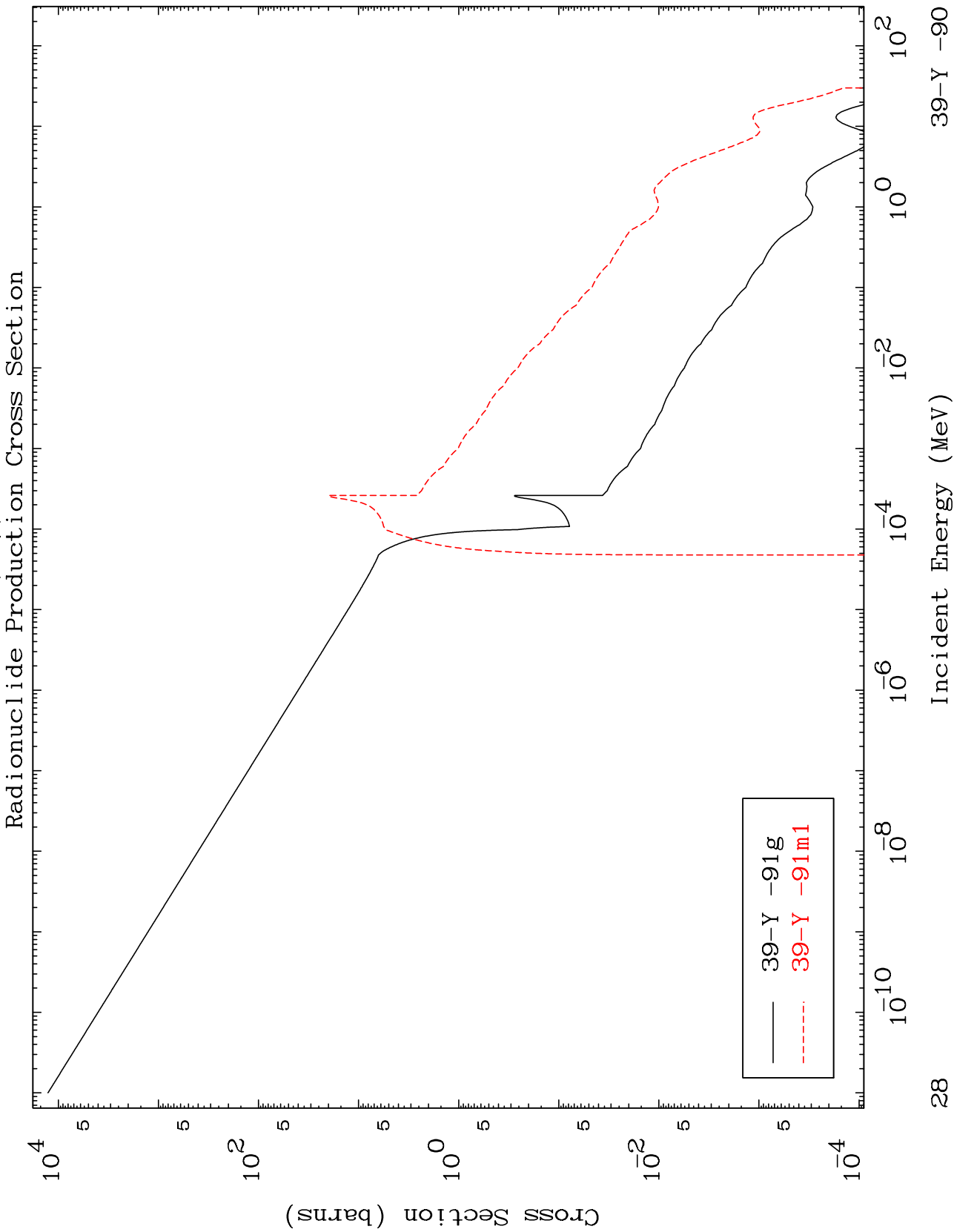
27

Incident Energy (MeV)

39-Y -90

MAT 3929

39-Y -90

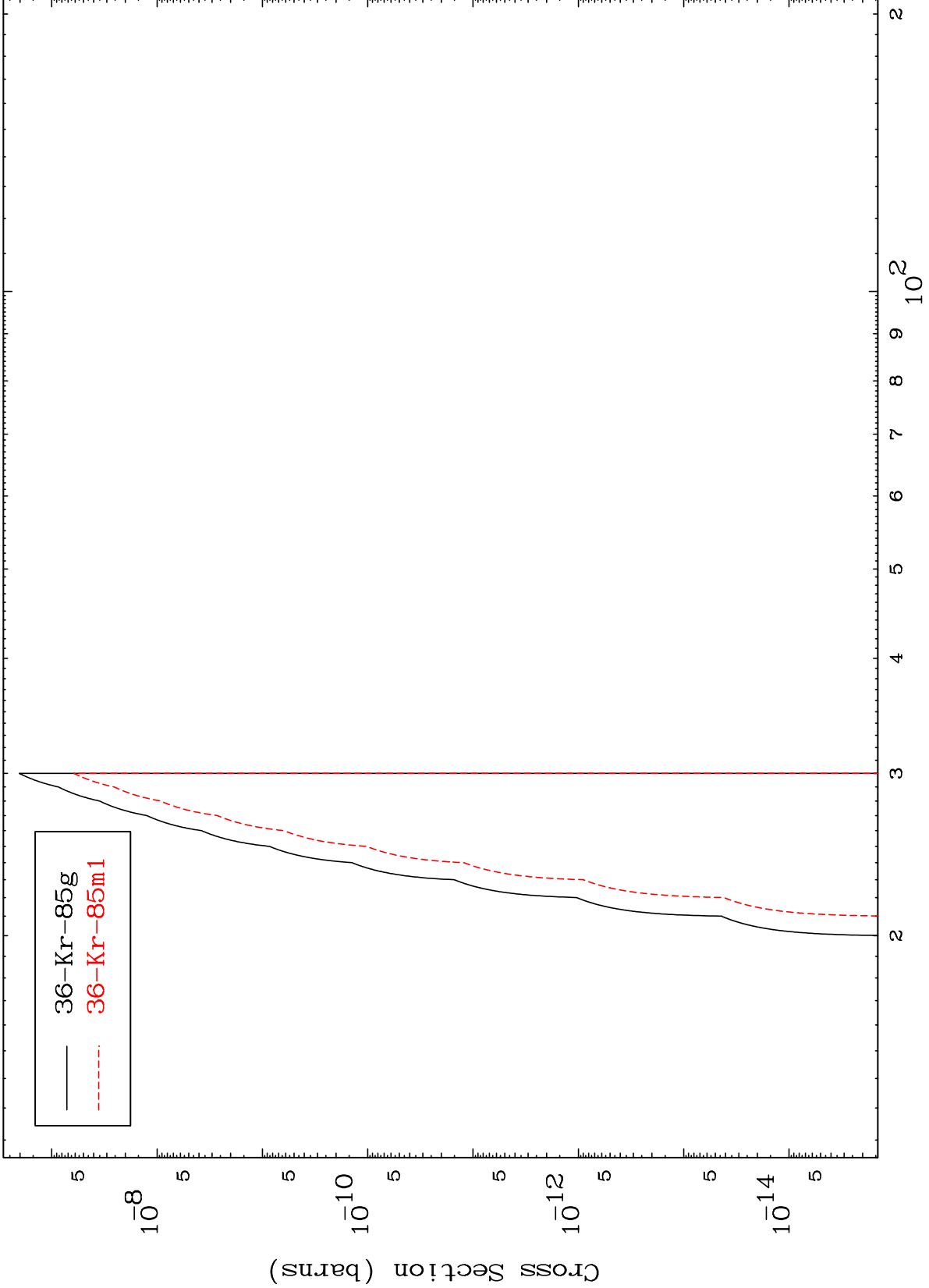


MAT 3929

(n,d) α

39-Y -90

Radionuclide Production Cross Section



29

Incident Energy (MeV)

39-Y -90