

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

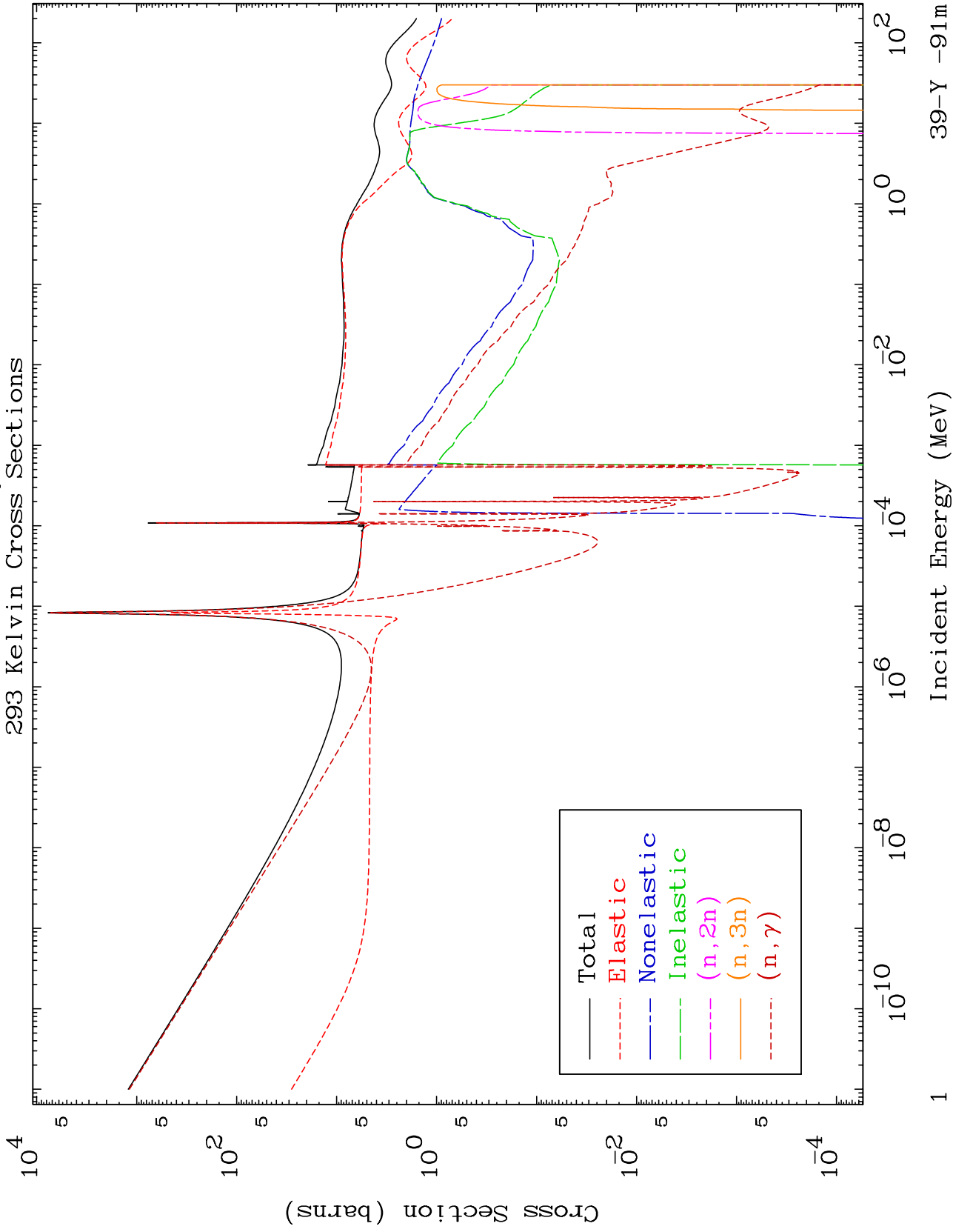
Web:redcullen1.net/HOMEPAGE.NEW

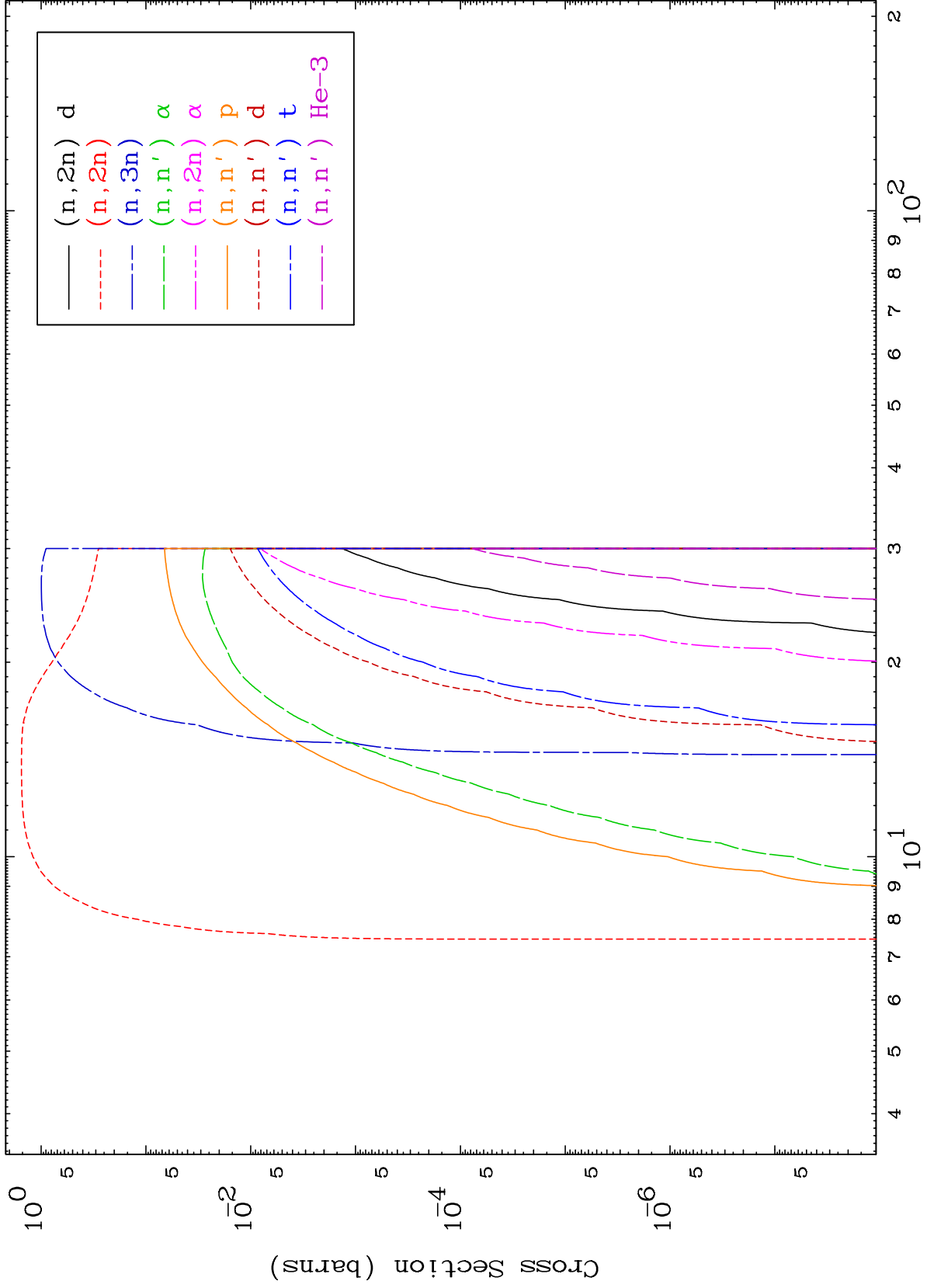
Press Mouse Button to Start

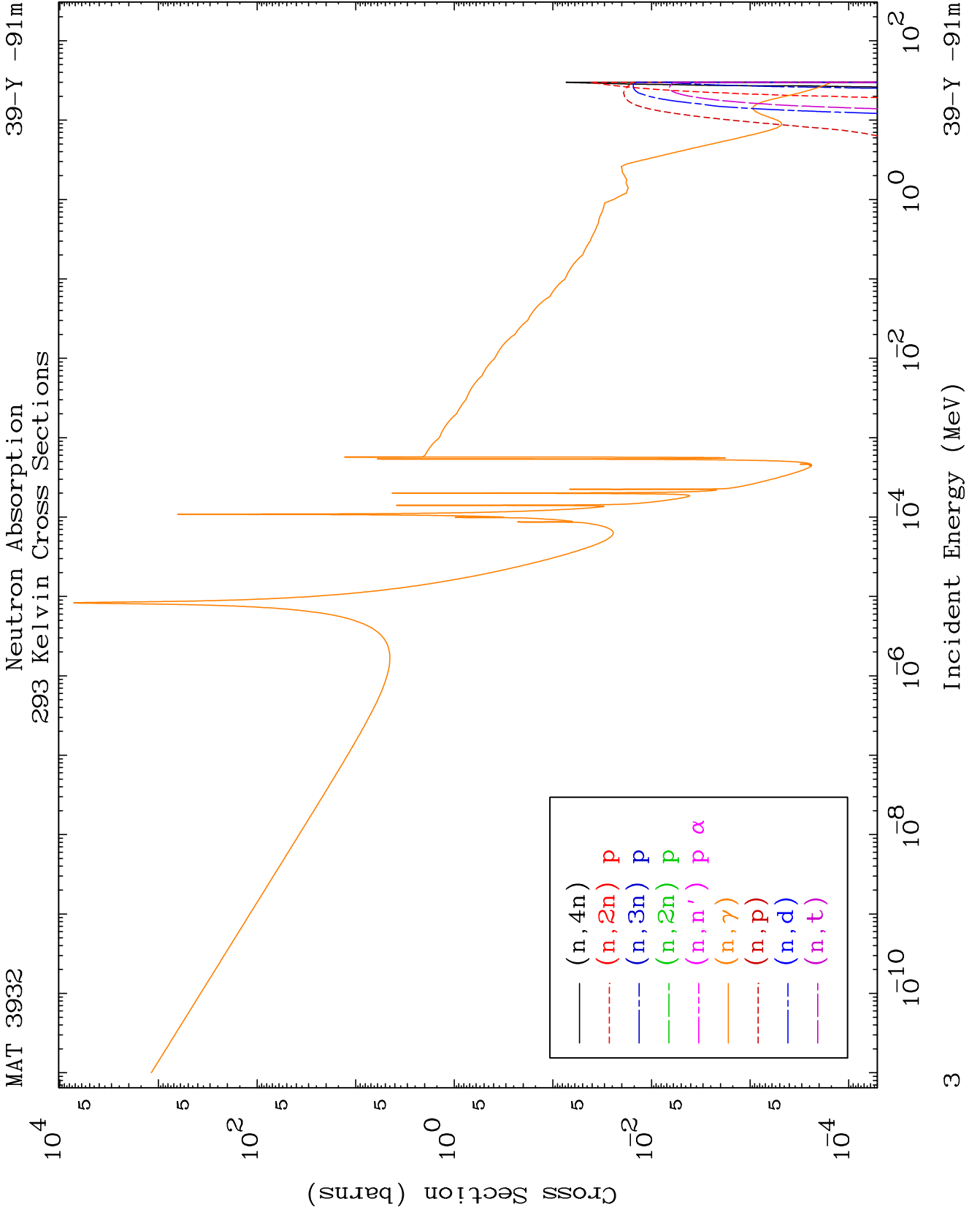
MAT 3932

Neutron Major
293 Kelvin Cross Sections

39-Y -91m



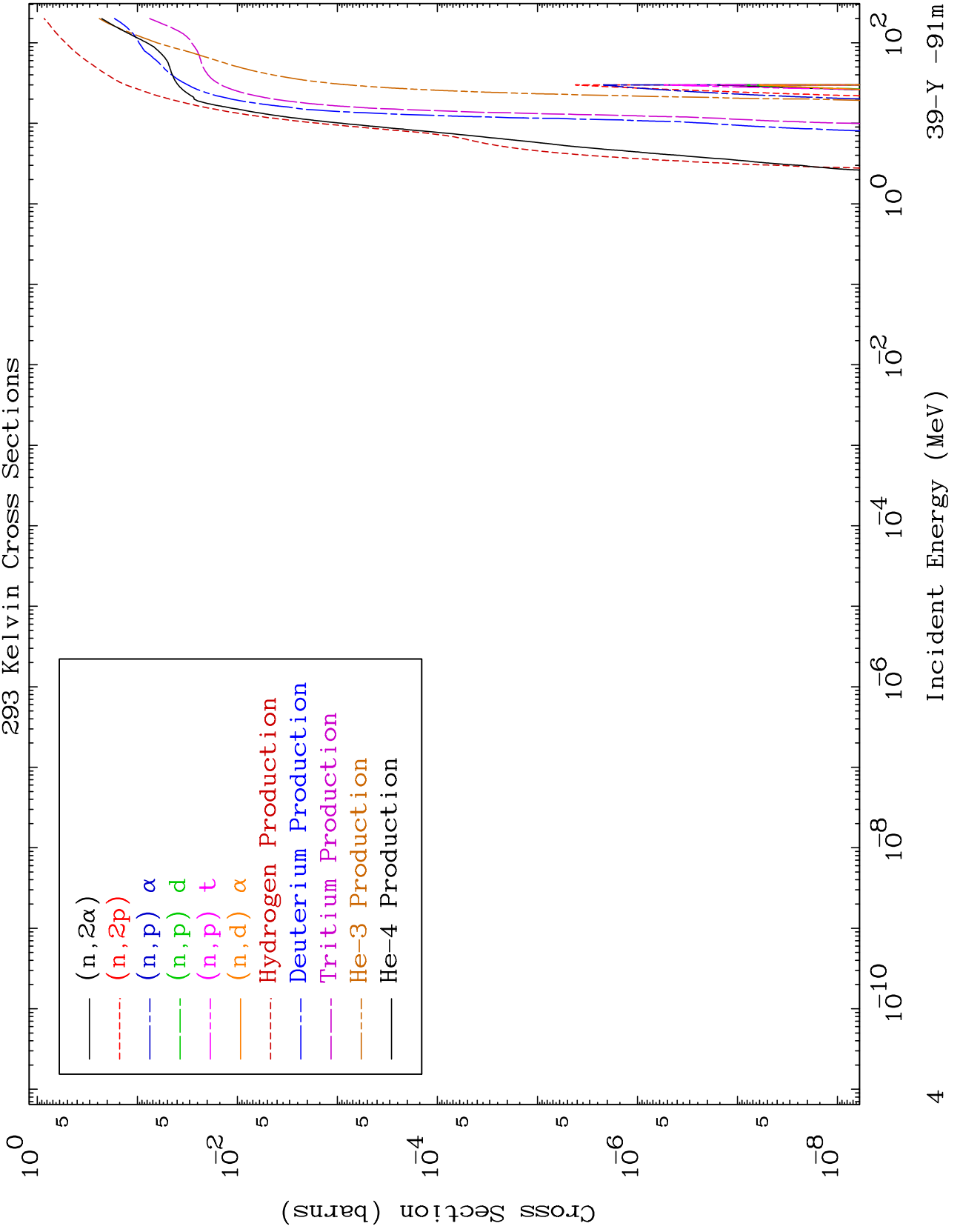


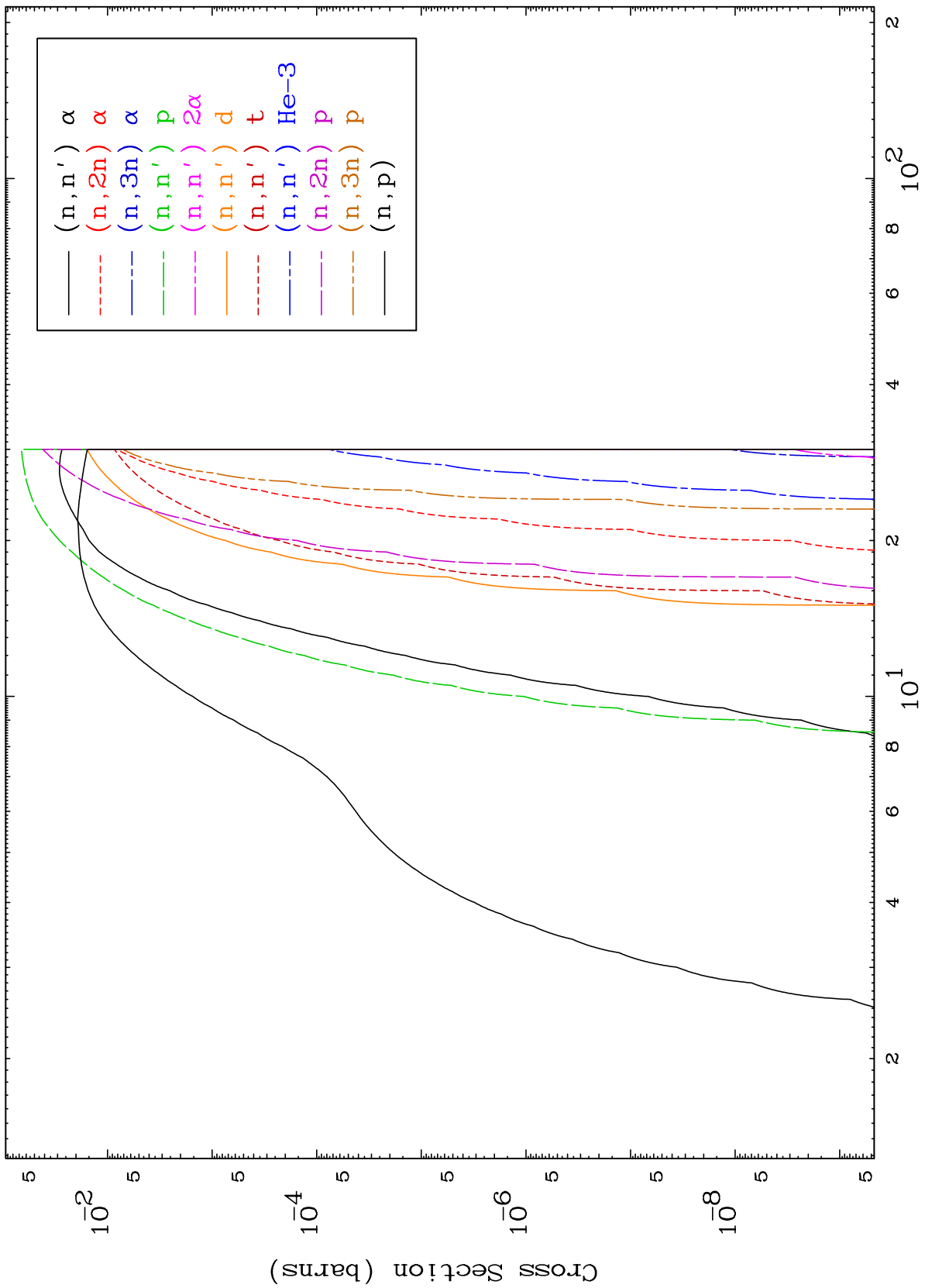


MAT 3932

Neutron Absorption
293 Kelvin Cross Sections

39-Y -91m

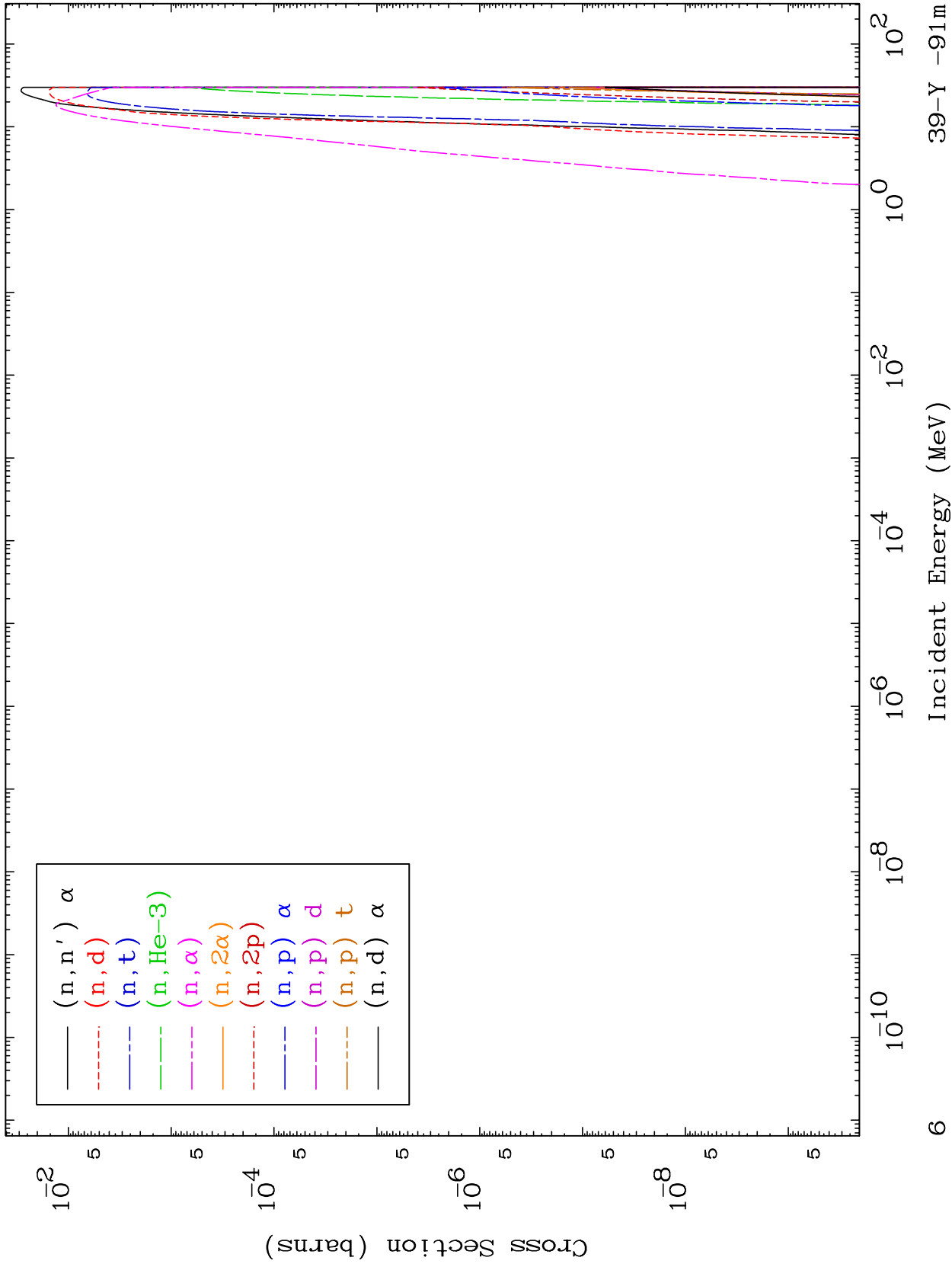




MAT 3932

Charged Particle
293 Kelvin Cross Sections

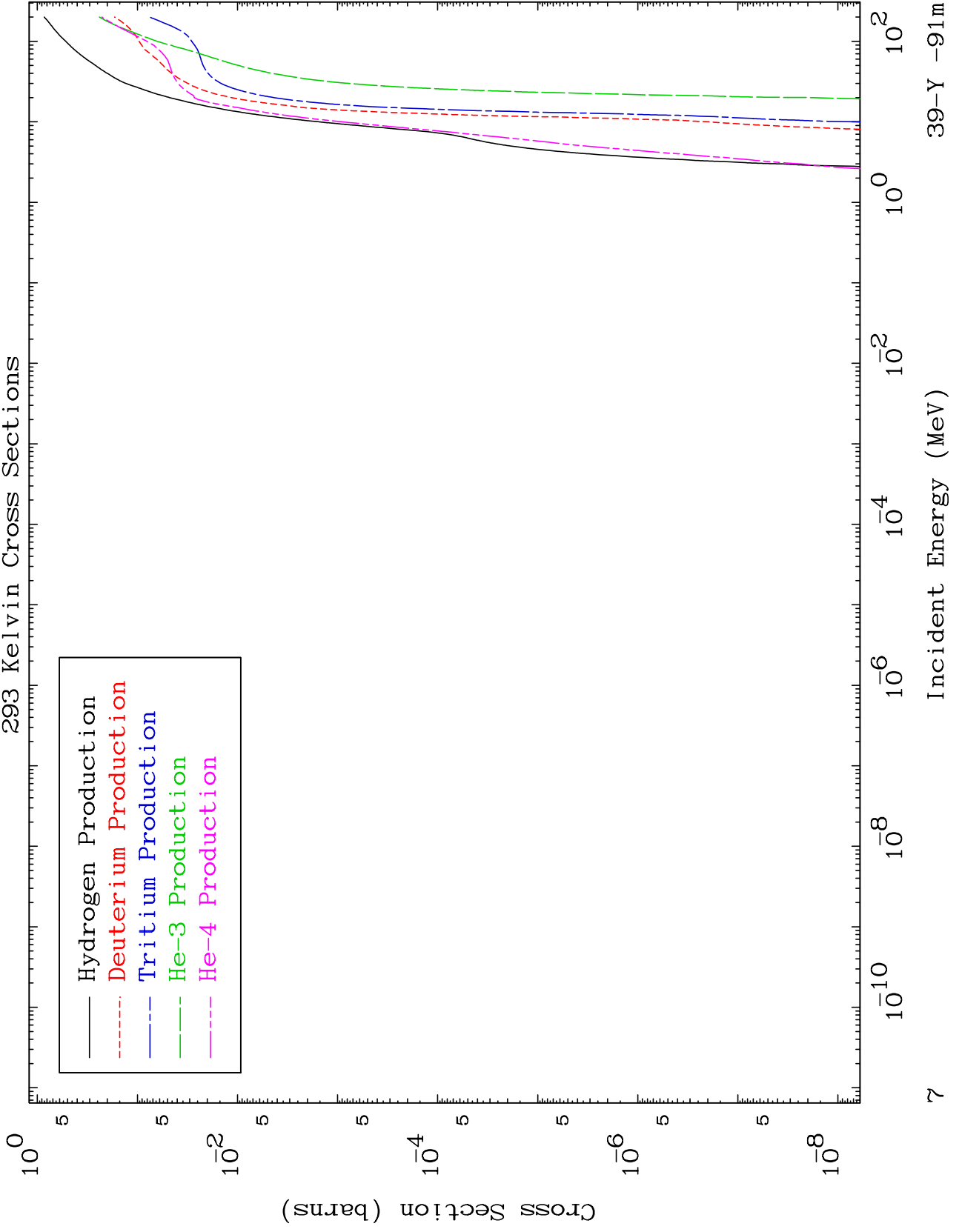
39-Y -91m



MAT 3932

Particle Production
293 Kelvin Cross Sections

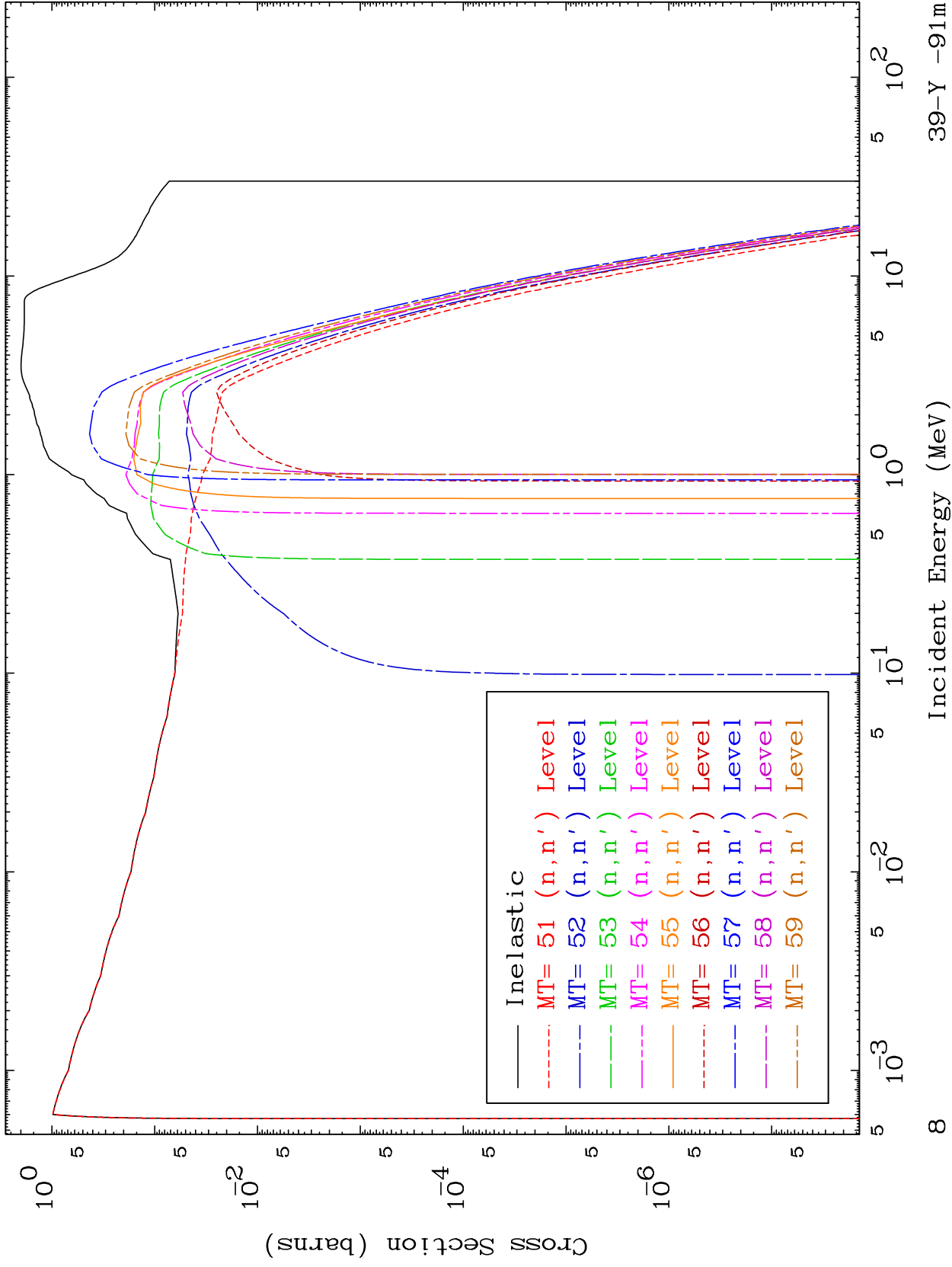
39-Y -91m



MAT 3932

293 Kelvin Cross Sections
(n,n') Levels

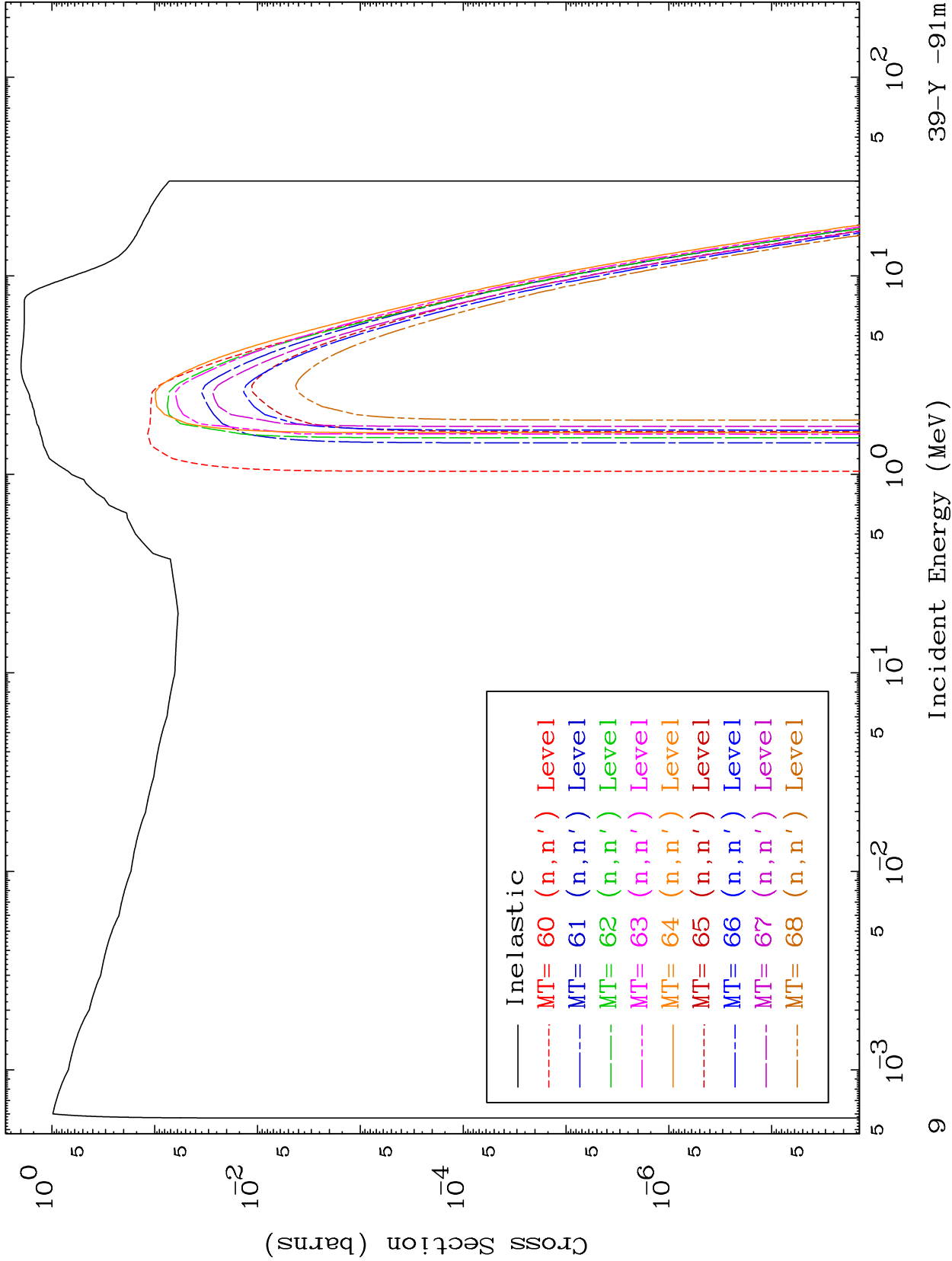
39-Y -91m



MAT 3932

(n,n') Levels
293 Kelvin Cross Sections

39-Y -91m

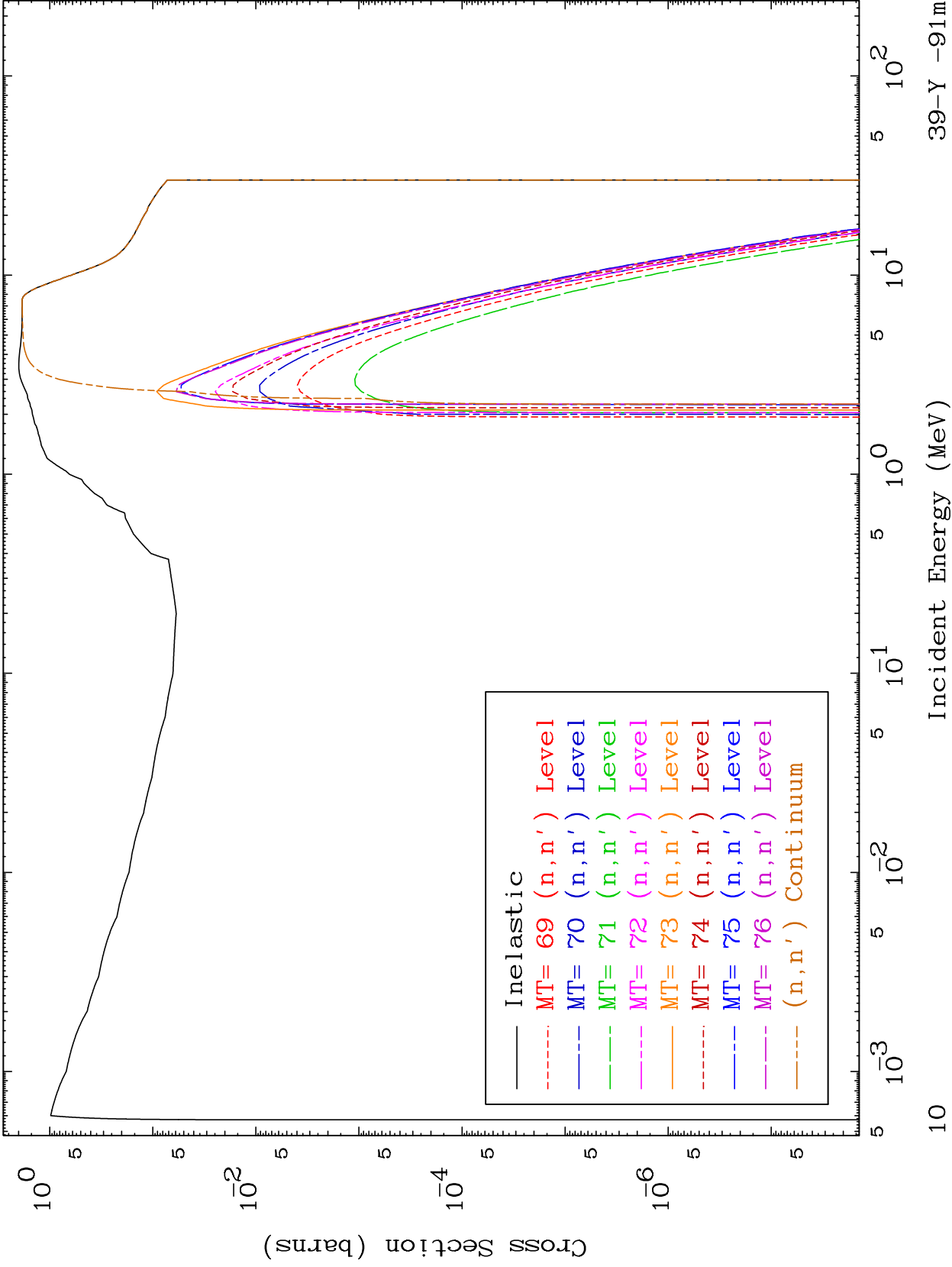


MAT 3932

(n,n') Levels

39-Y -91m

293 Kelvin Cross Sections



10

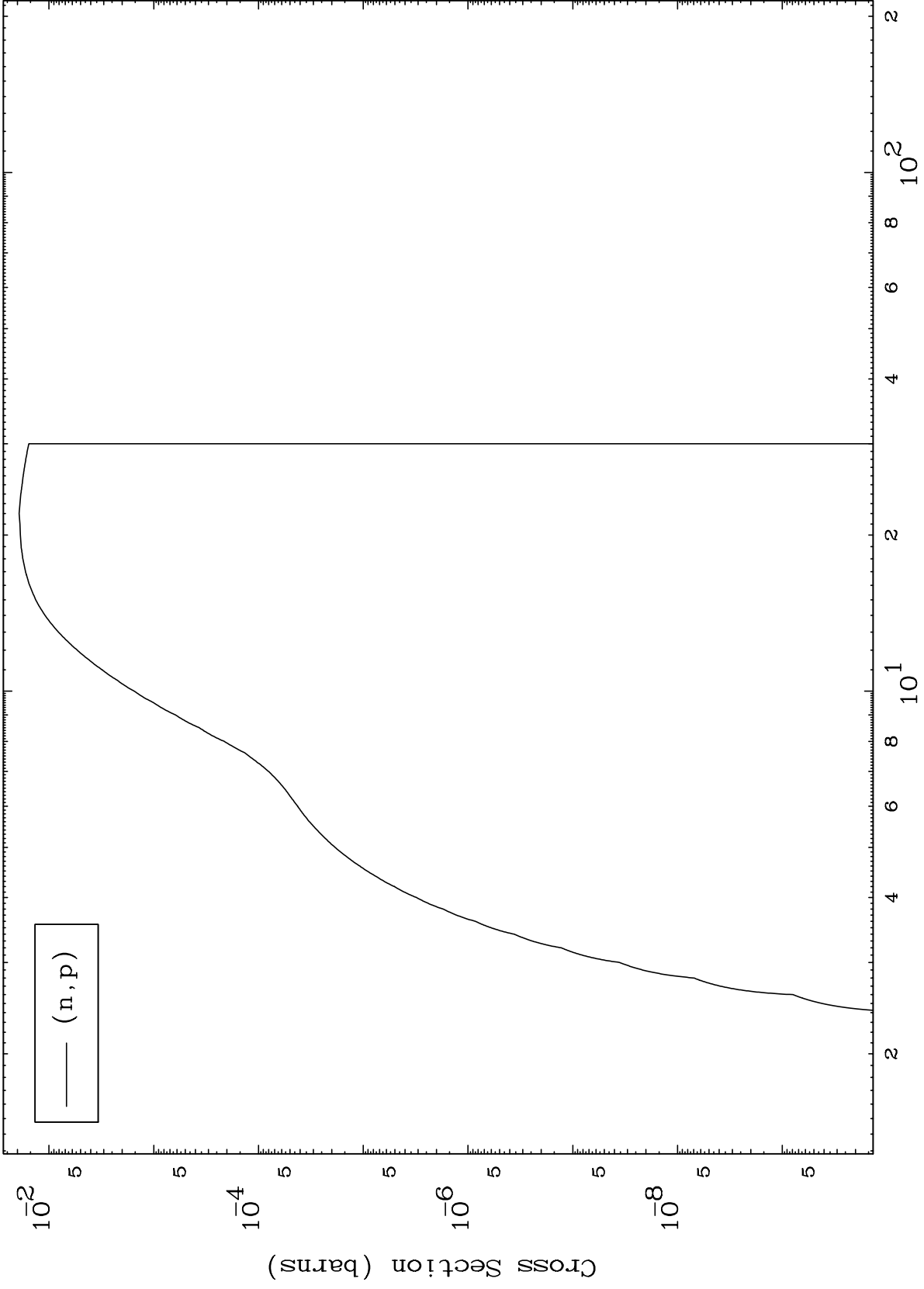
Incident Energy (MeV)

39-Y -91m

MAT 3932

(n,p) Levels
293 Kelvin Cross Sections

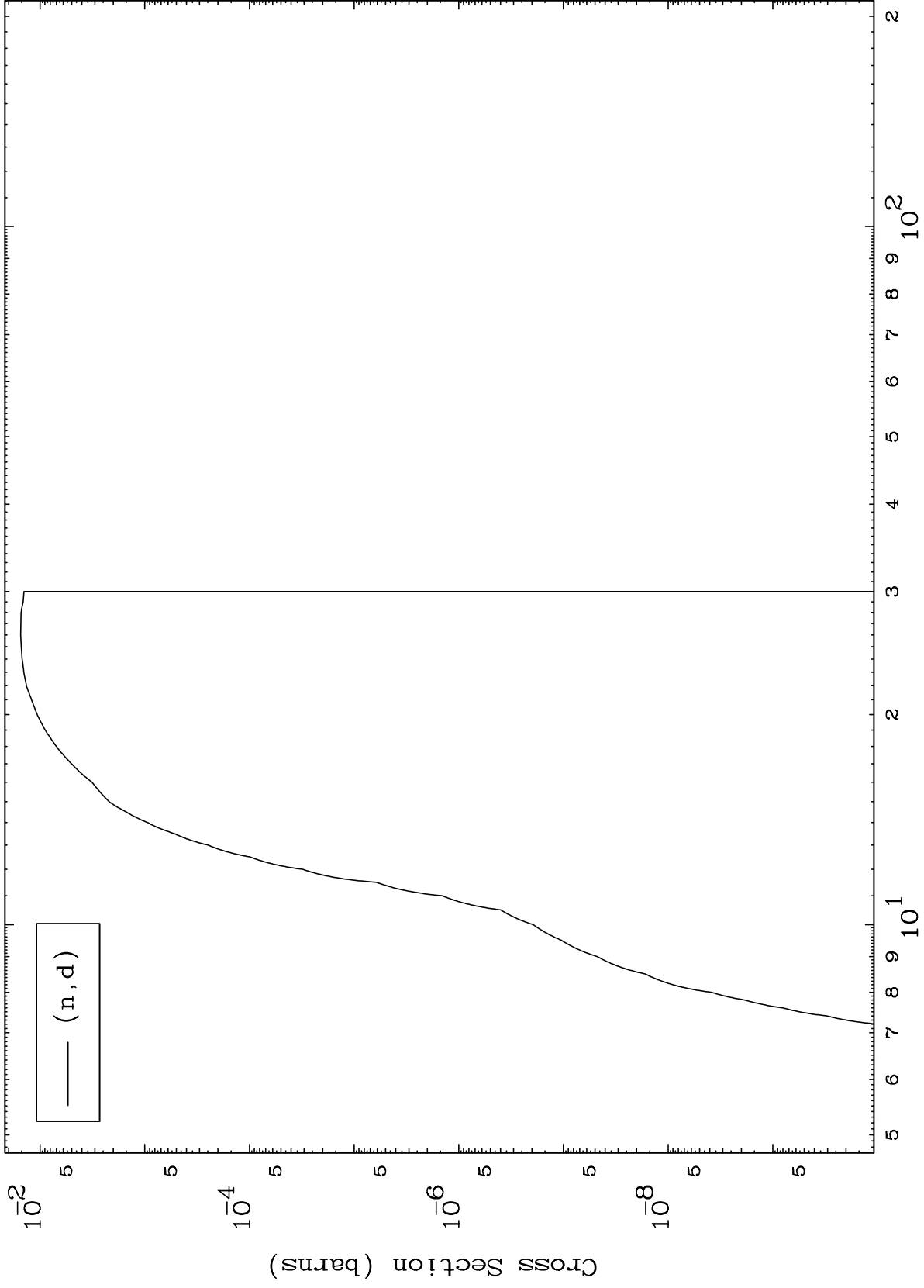
39-Y -91m



MAT 3932

(n,d) Levels
293 Kelvin Cross Sections

39-Y -91m



12

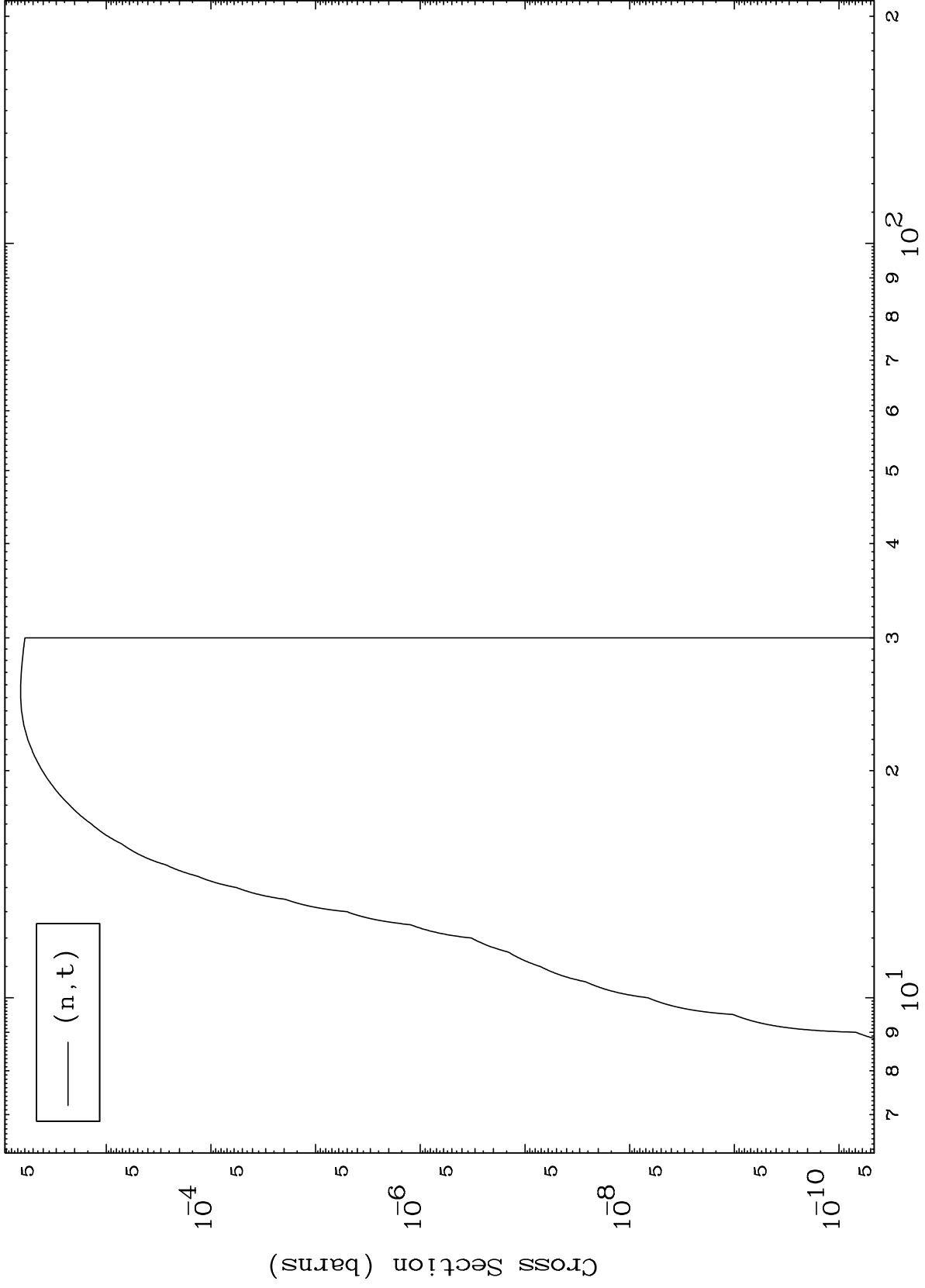
Incident Energy (MeV)

39-Y -91m

MAT 3932

(n,t) Levels
293 Kelvin Cross Sections

39-Y -91m



13

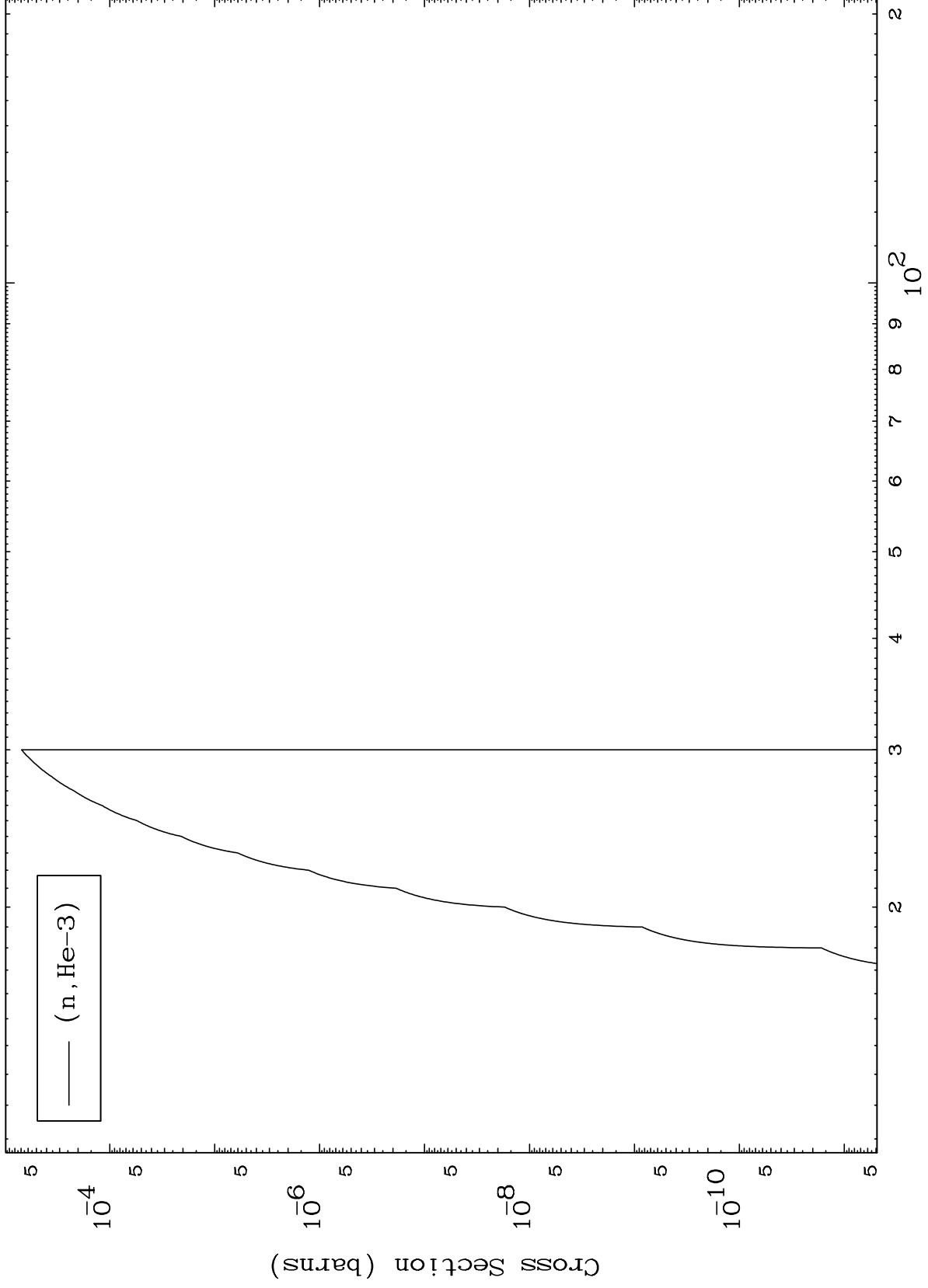
Incident Energy (MeV)

39-Y -91m

MAT 3932

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -91m



14

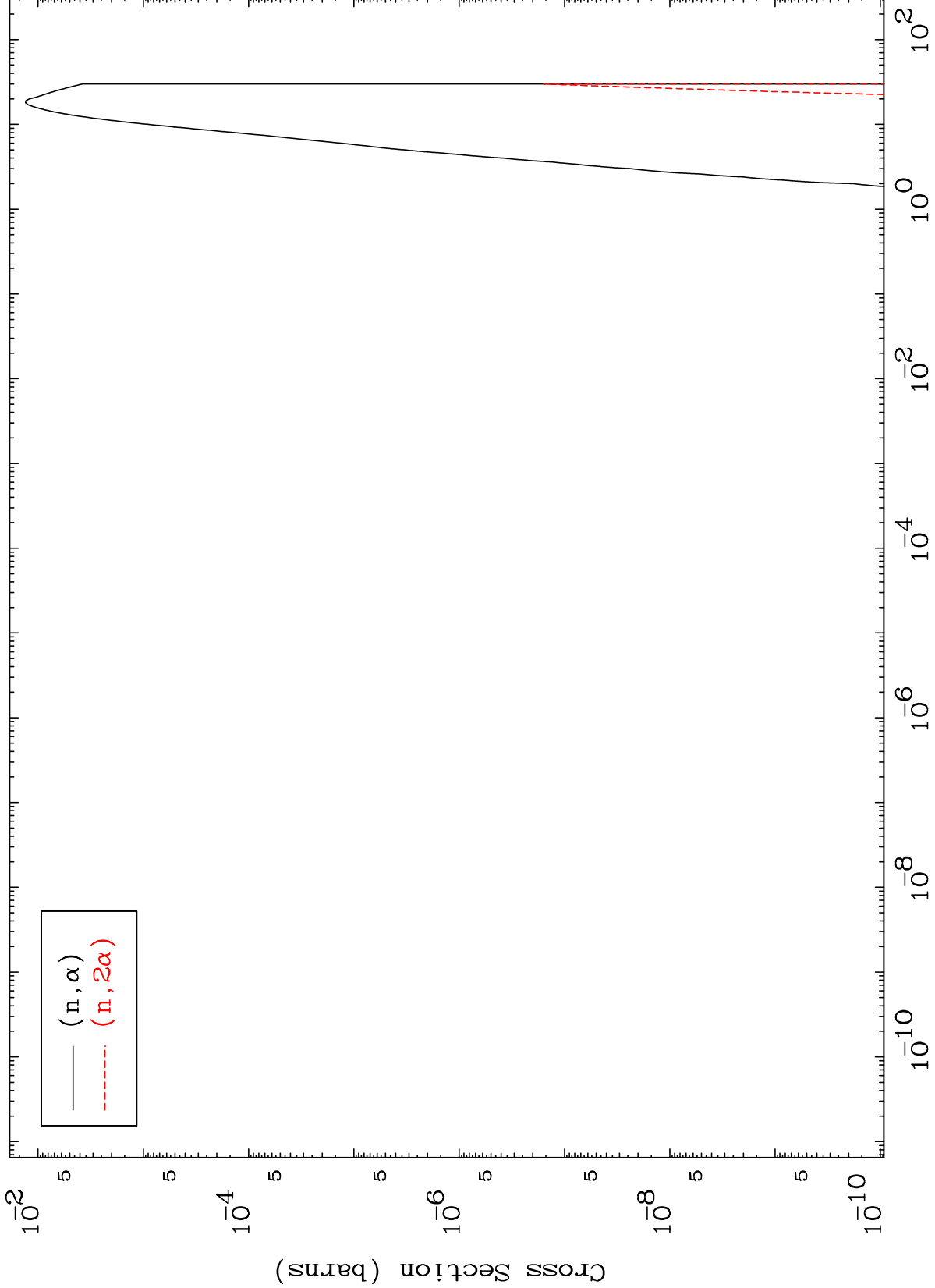
Incident Energy (MeV)

39-Y -91m

MAT 3932

(n, α) Levels
293 Kelvin Cross Sections

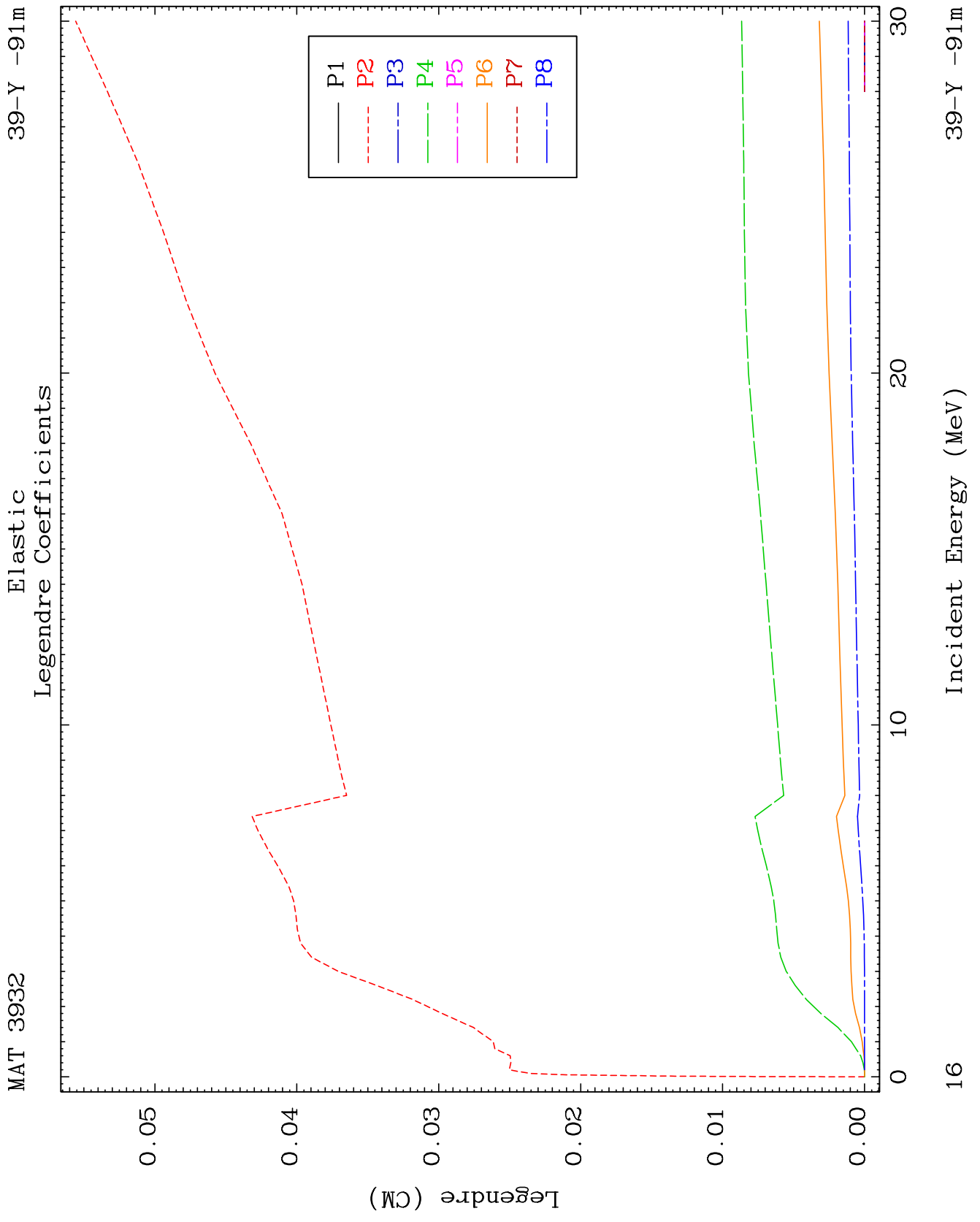
39-Y -91m



— (n, α)
- - - (n, 2α)

39-Y -91m

Incident Energy (MeV)



MAT 3932

39-Y -91m

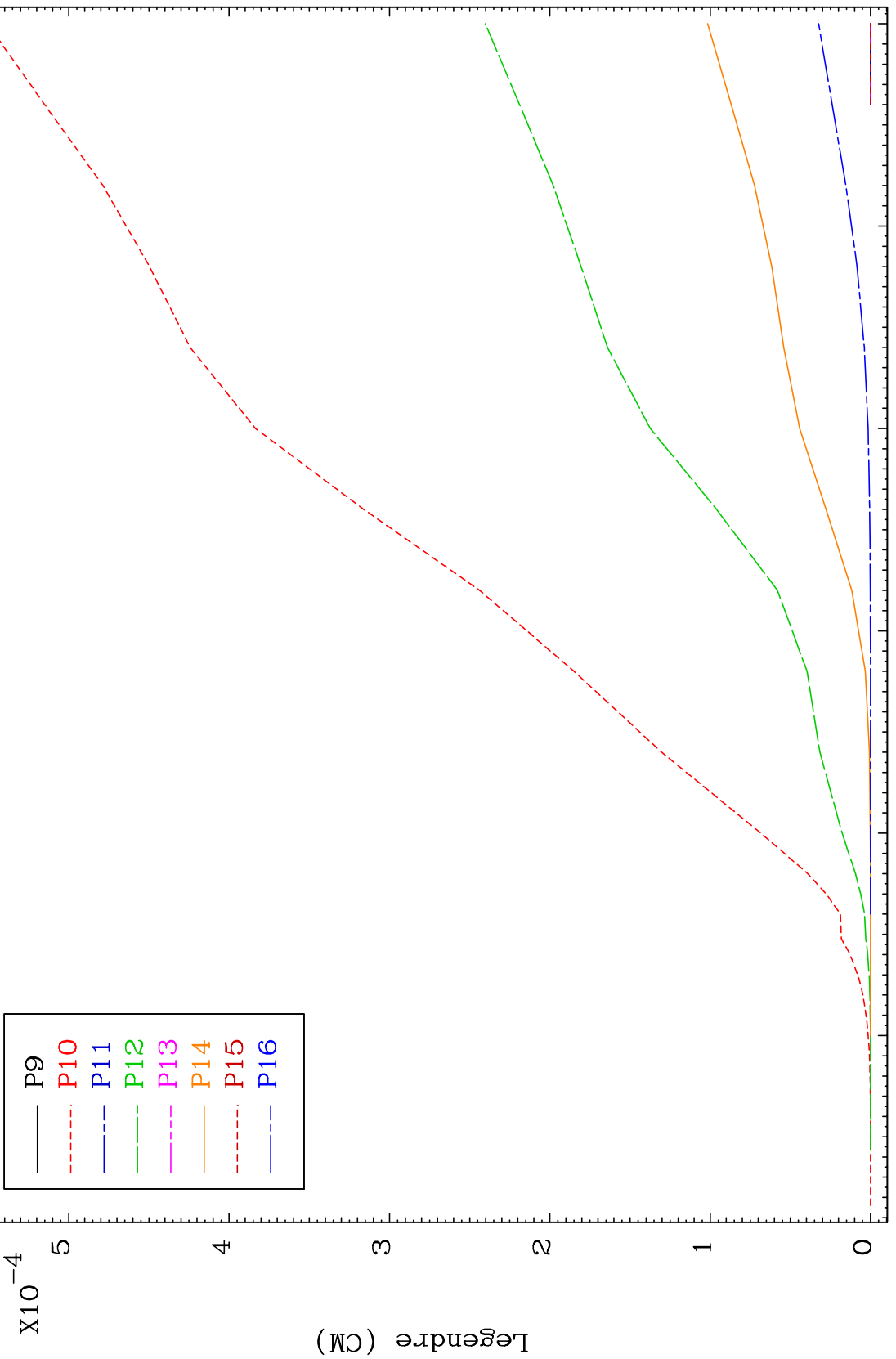
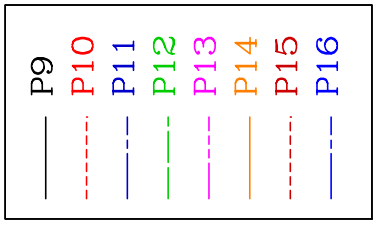
16

39-Y -91m

MAT 3932

Elastic Legendre Coefficients

39-Y -91m



17

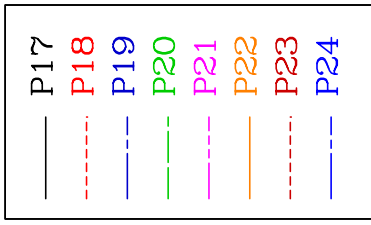
Incident Energy (MeV)

39-Y -91m

MAT 3932

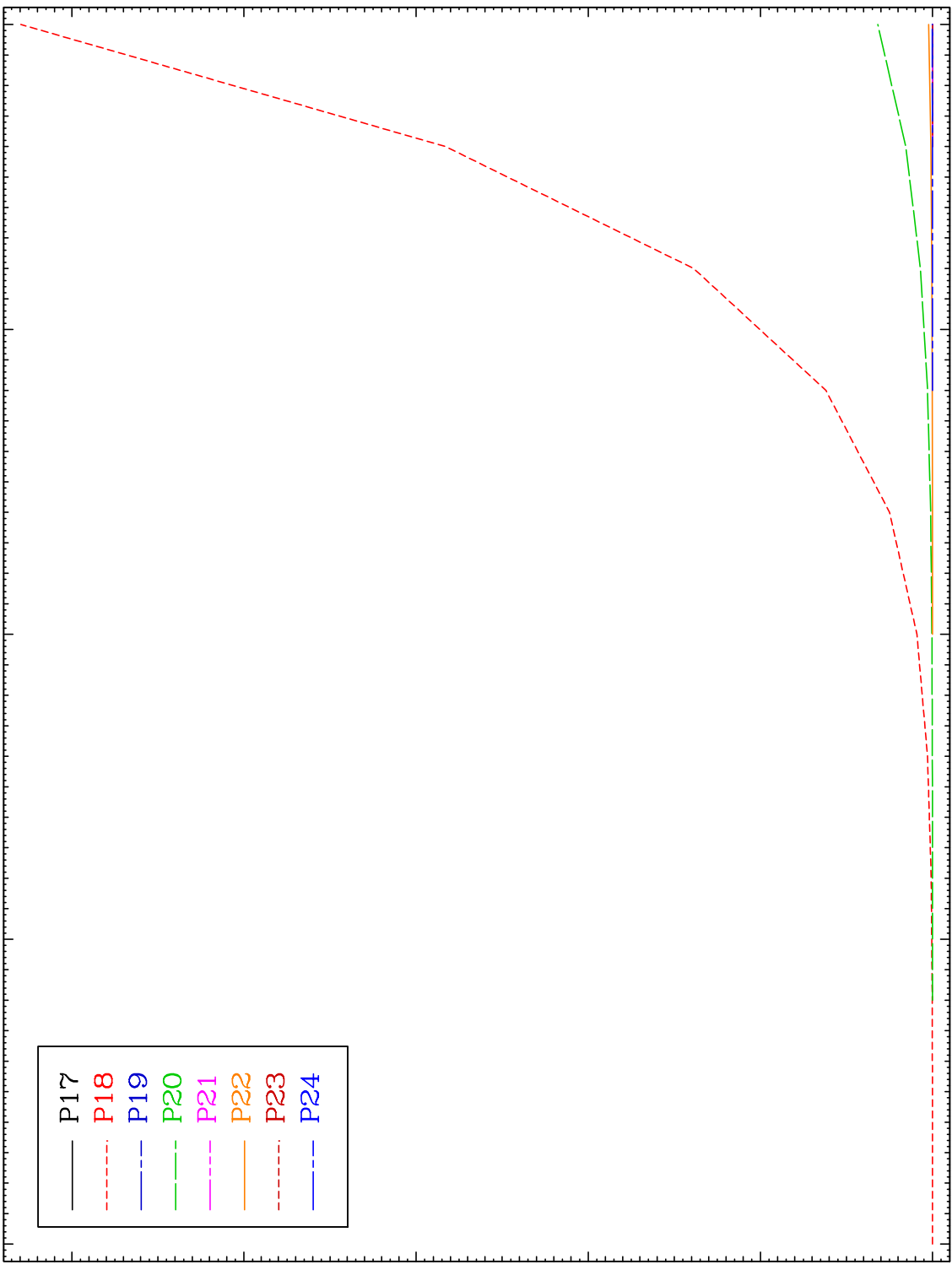
Elastic Legendre Coefficients

39-Y -91m



$\times 10^{-6}$

Legendre (CM)



18

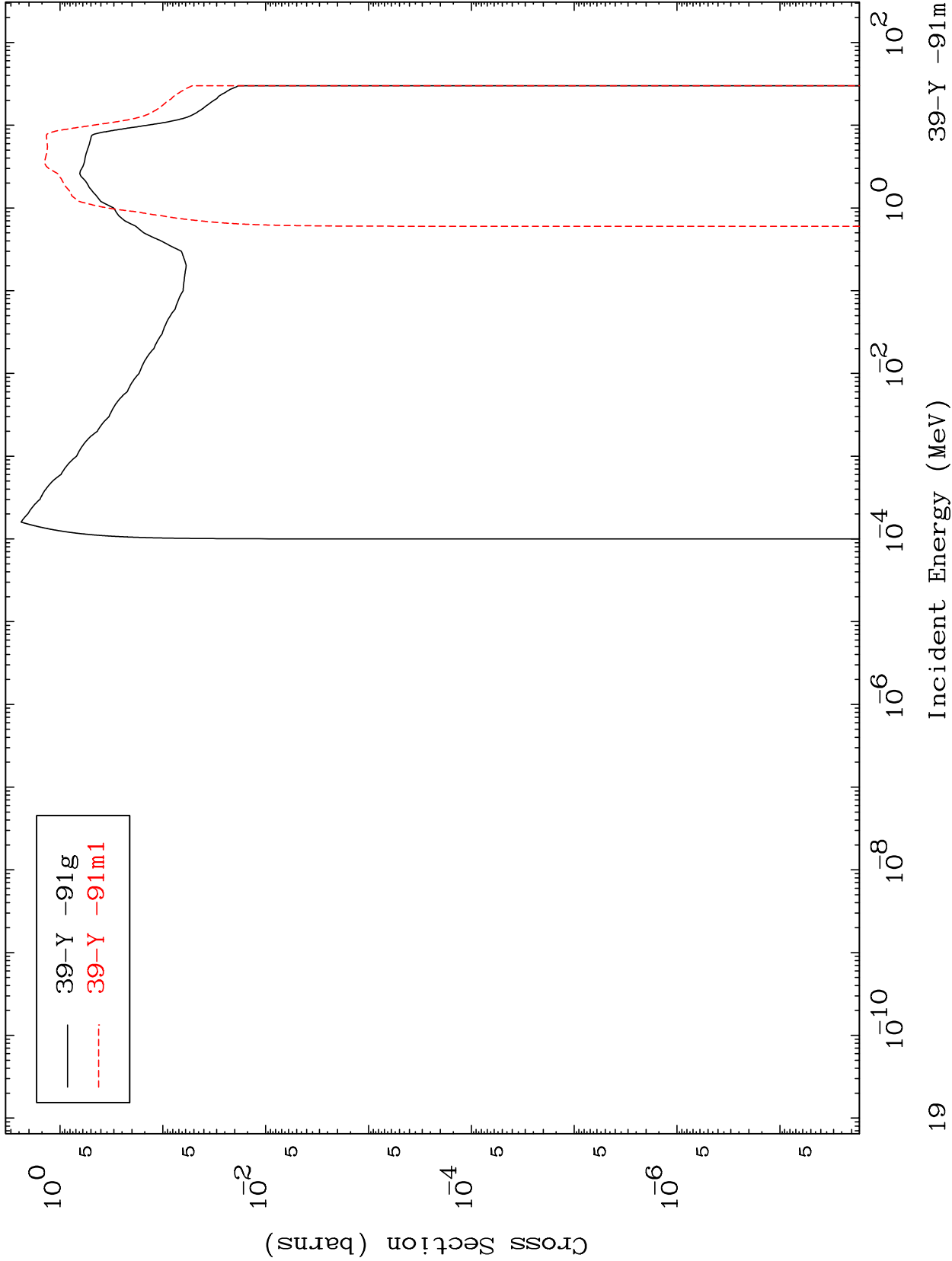
Incident Energy (MeV)

39-Y -91m

MAT 3932

39-Y -91m

Inelastic
Radionuclide Production Cross Section



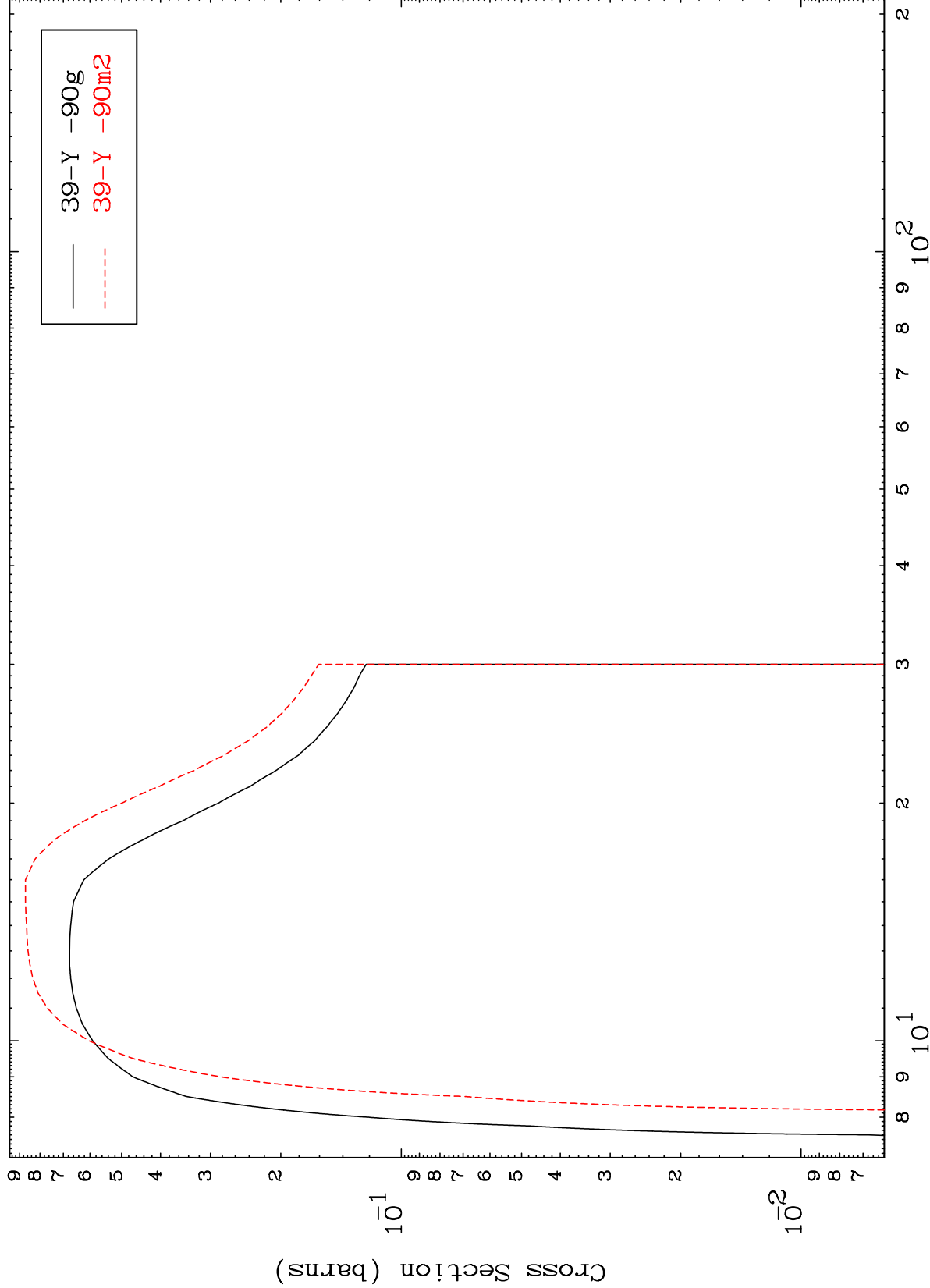
— 39-Y -91g
- - - 39-Y -91m1

MAT 3932

(n,2n)

39-Y -91m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

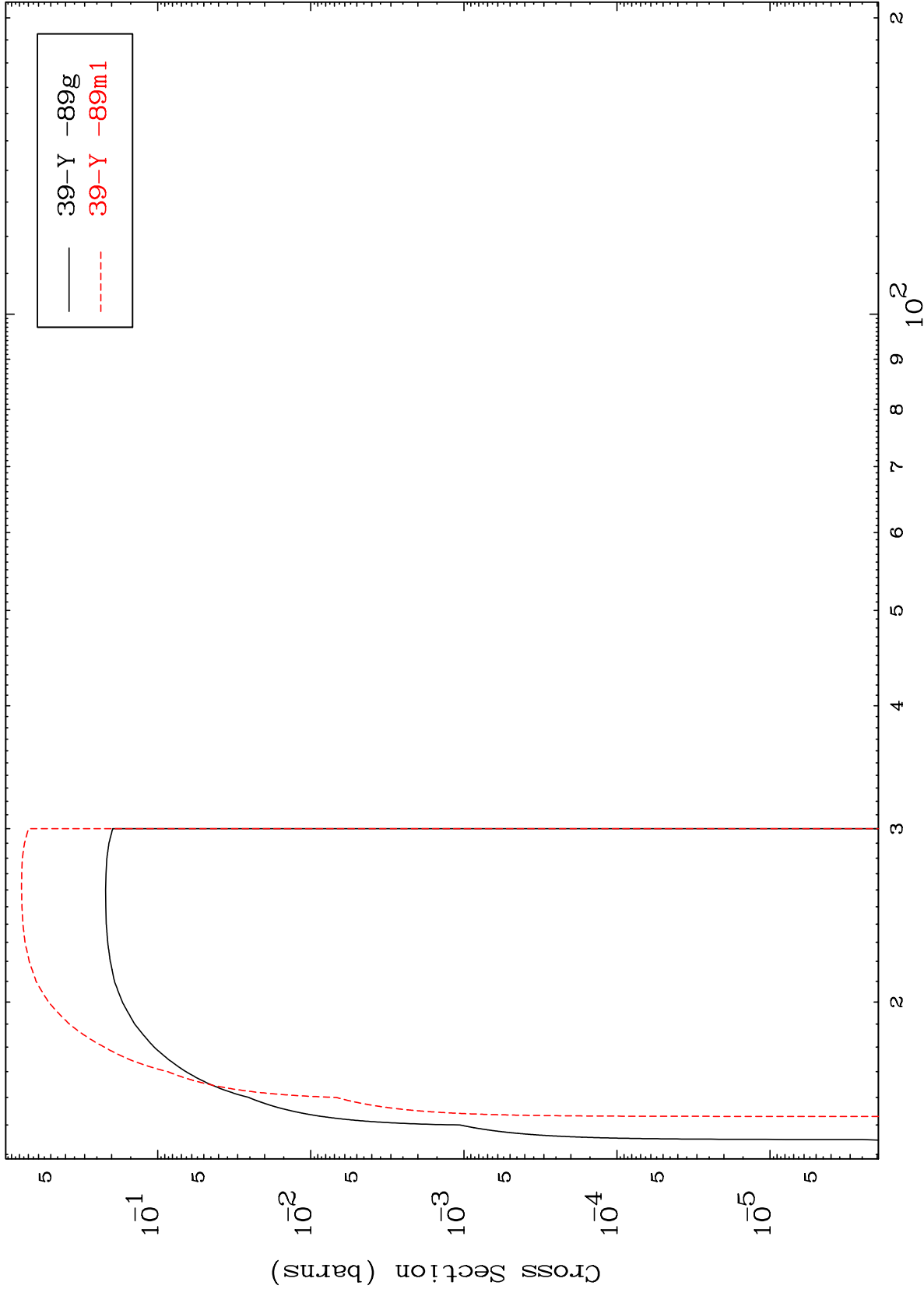
39-Y -91m

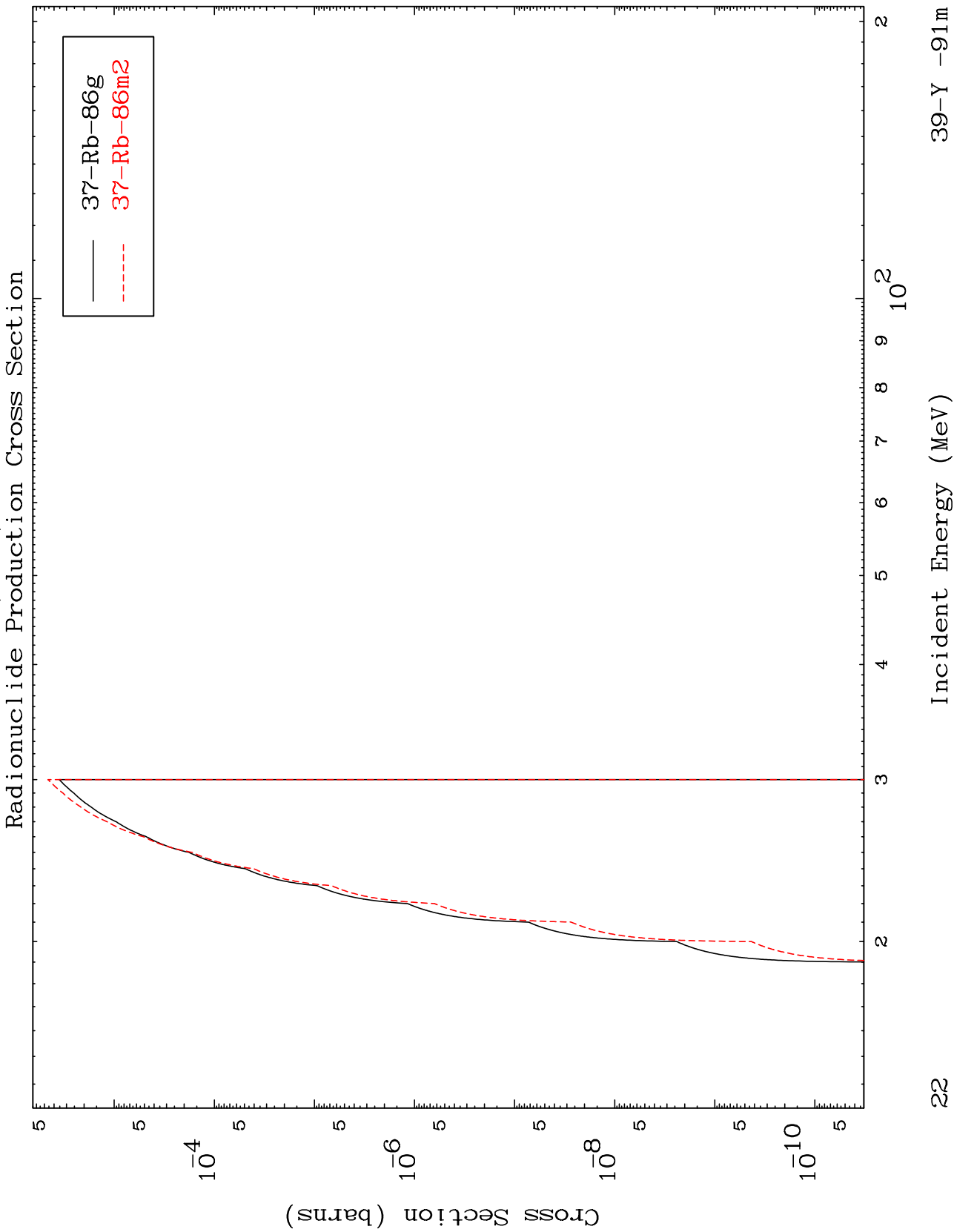
MAT 3932

(n,3n)

39-Y -91m

Radionuclide Production Cross Section

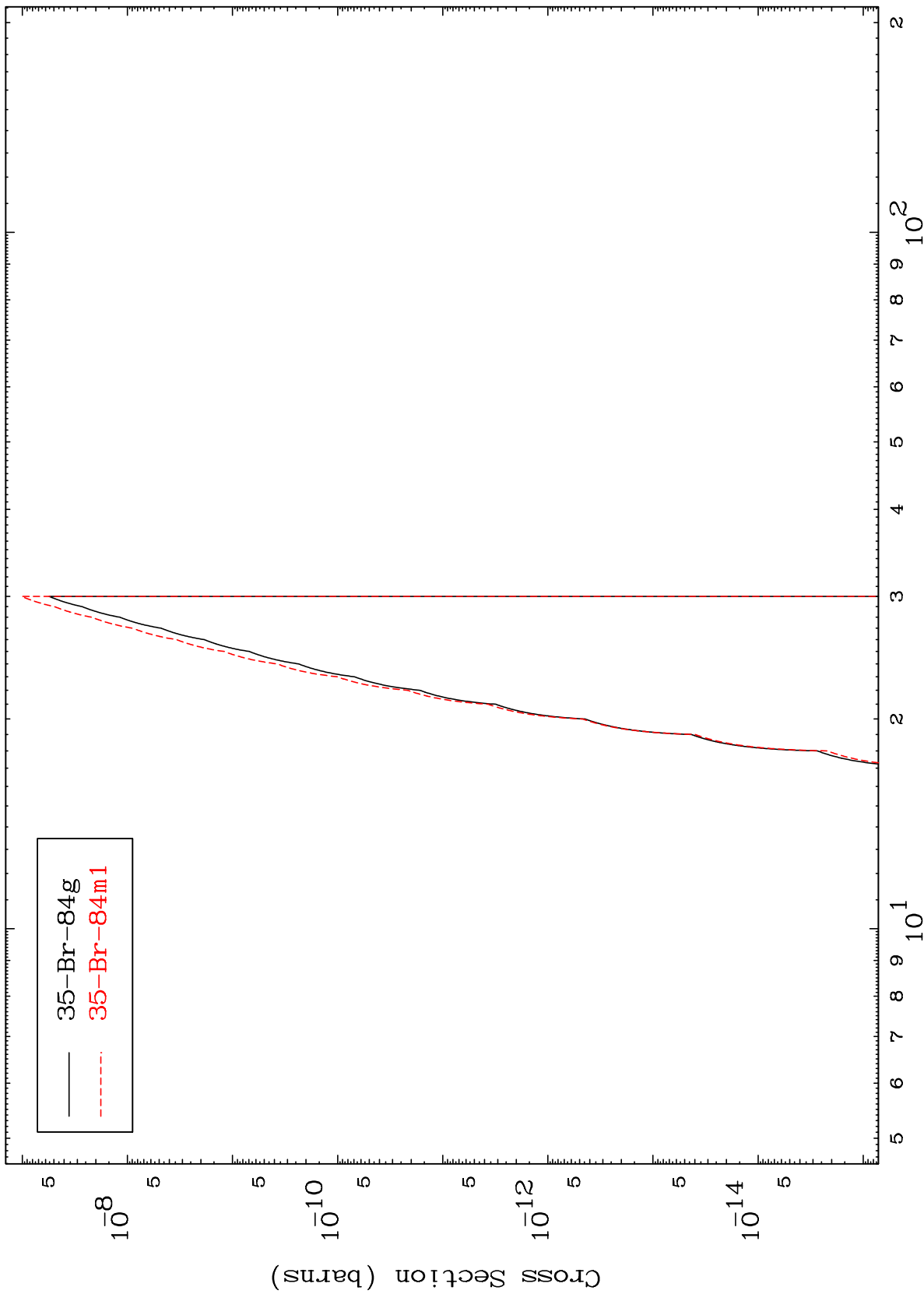




MAT 3932

39-Y -91m

Radionuclide Production Cross Section
(n,2 α)



39-Y -91m

Incident Energy (MeV)

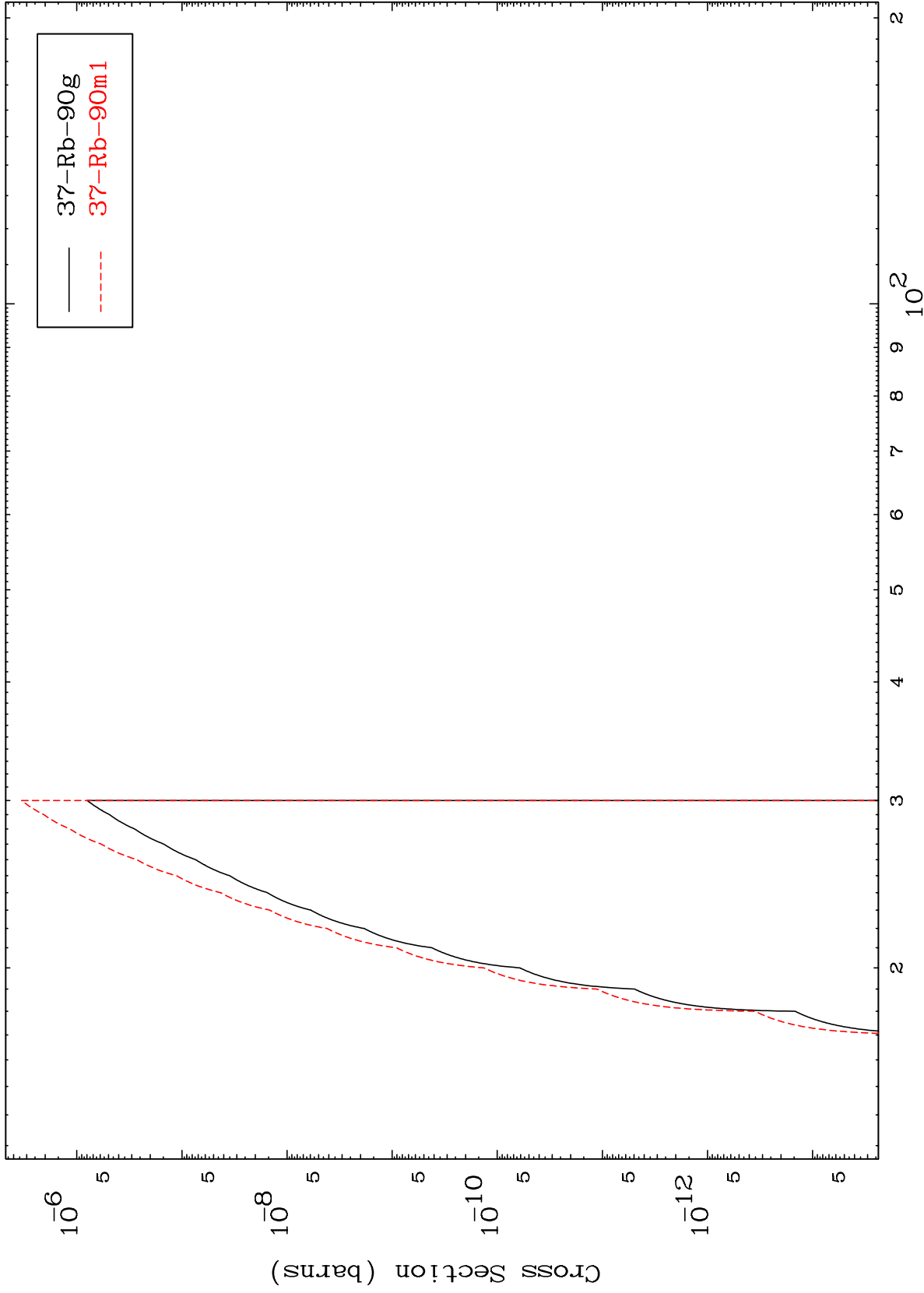
23

MAT 3932

(n,2p)

39-Y -91m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

39-Y -91m