

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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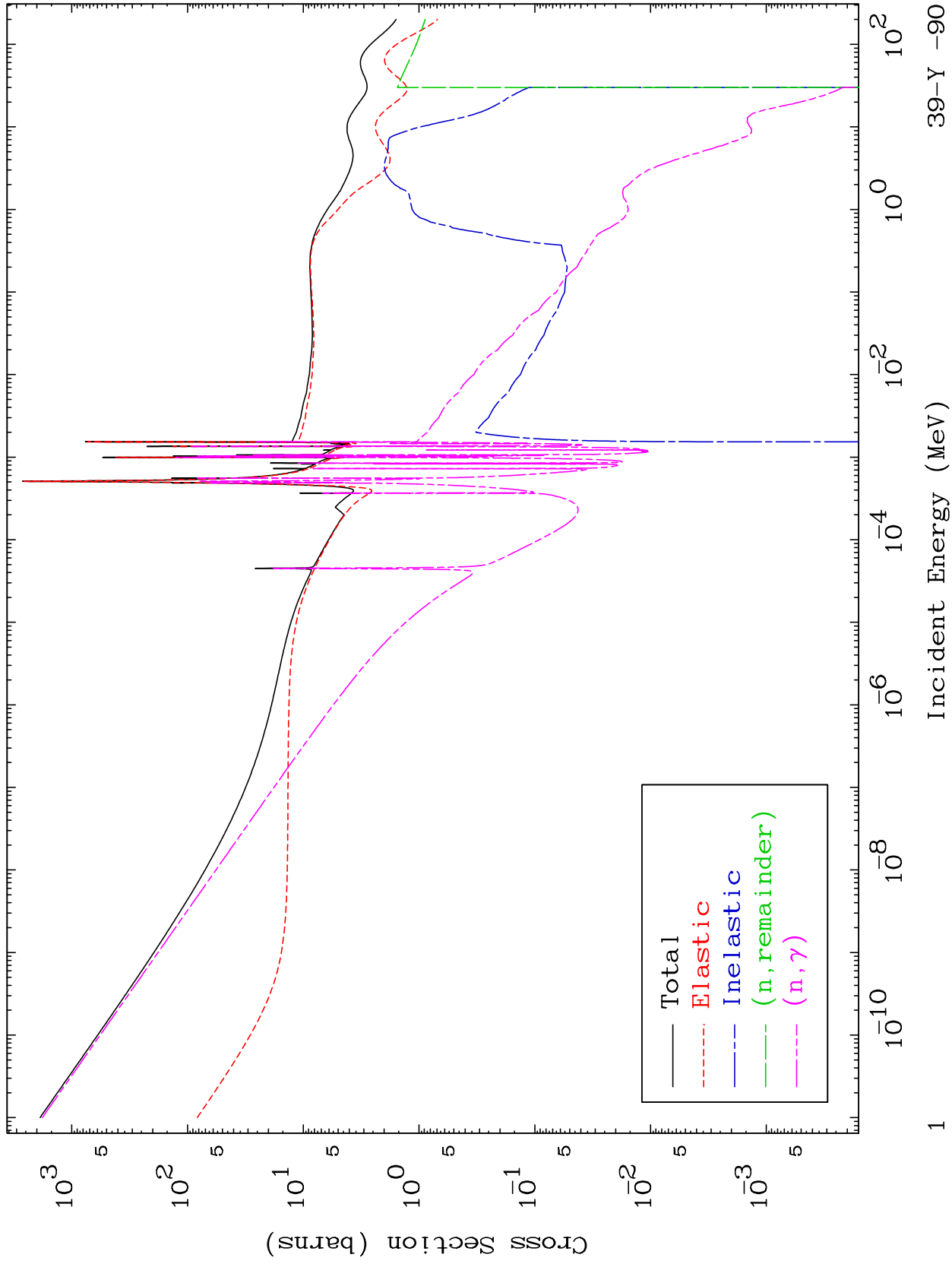
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3929

Major  
293 Kelvin Cross Sections

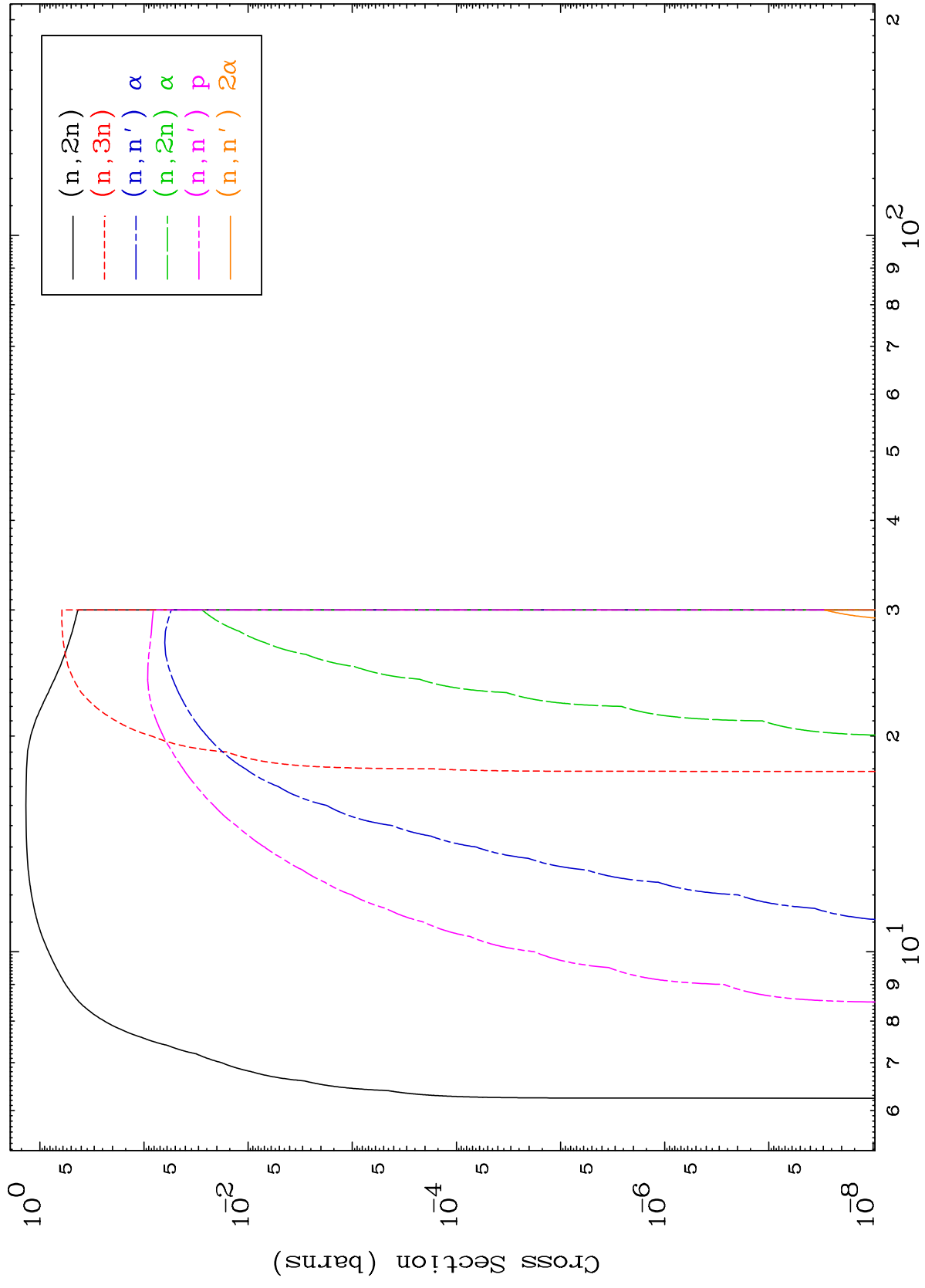
39-Y -90



MAT 3929

Neutron Production  
293 Kelvin Cross Sections

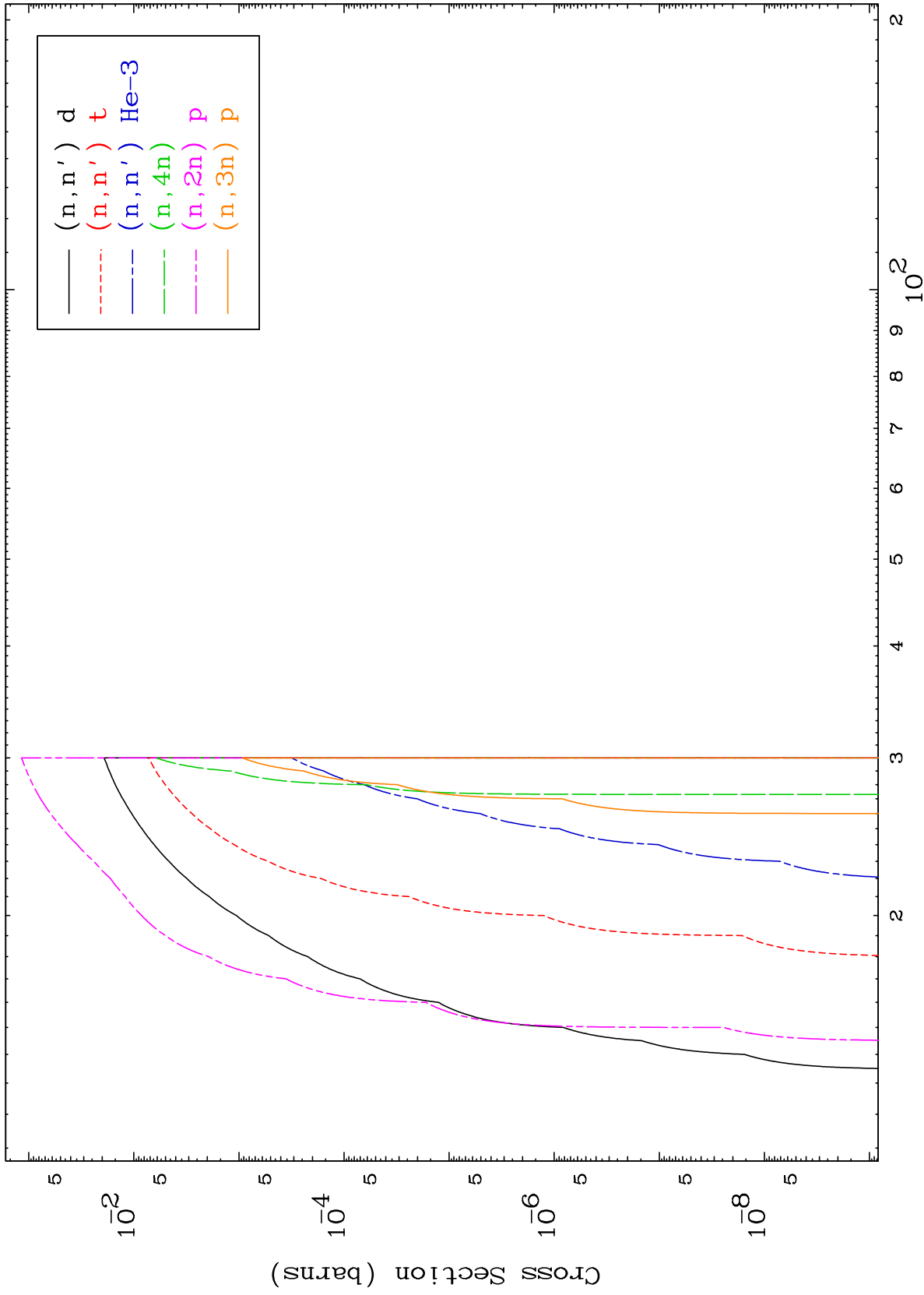
39-Y -90



2

Incident Energy (MeV)

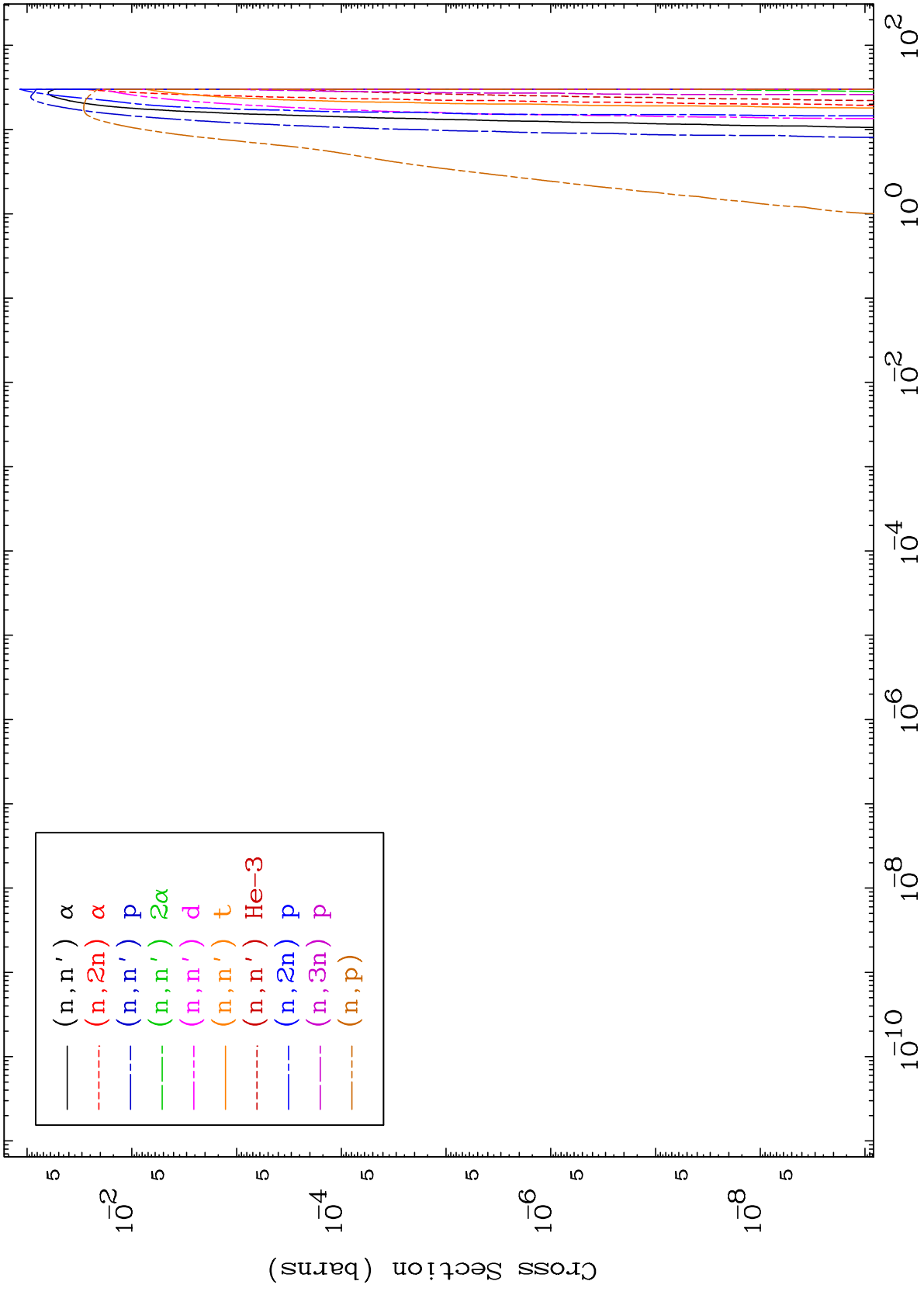
39-Y -90



MAT 3929

Charged Particle  
293 Kelvin Cross Sections

39-Y -90

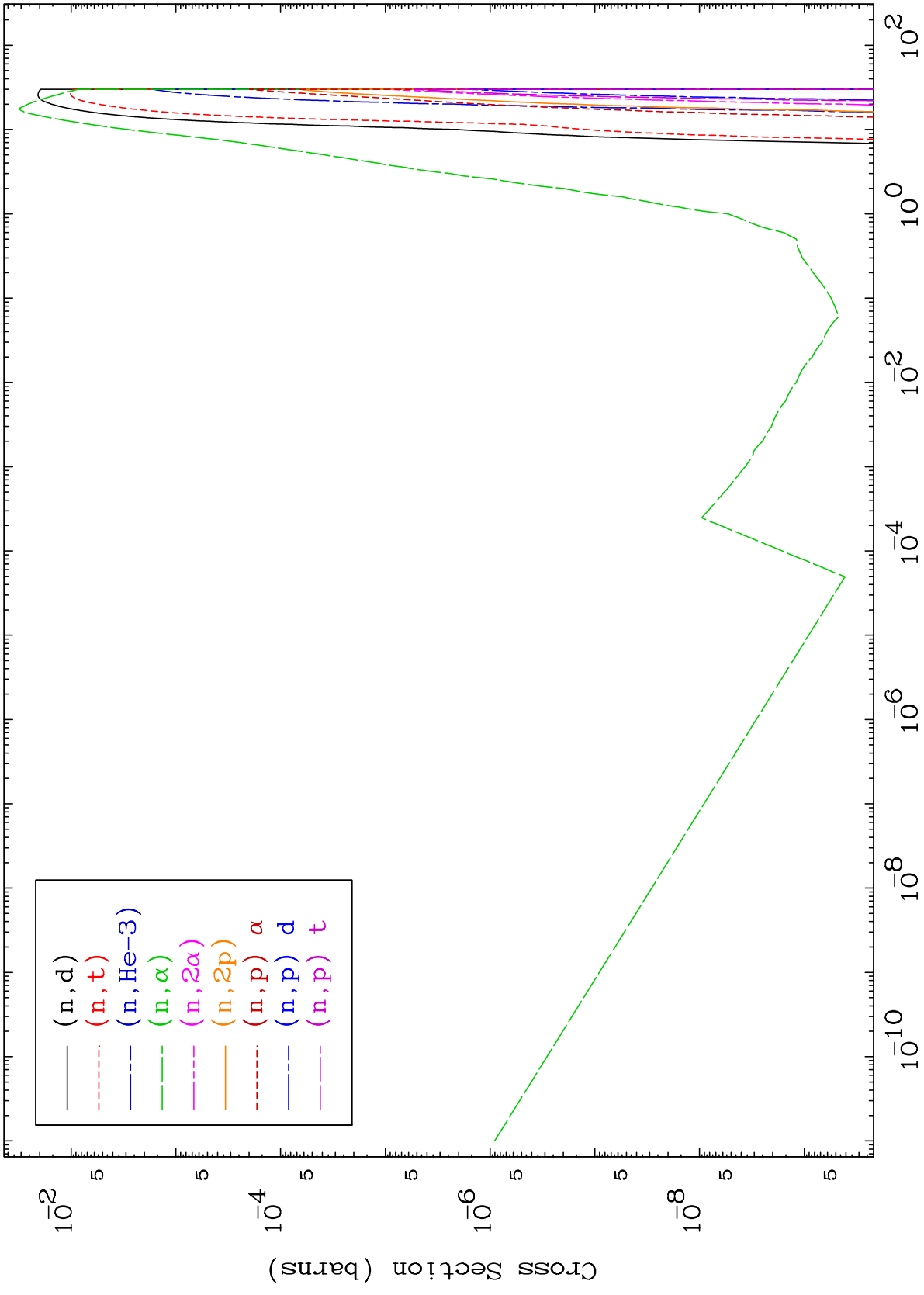


39-Y -90

MAT 3929

Charged Particle  
293 Kelvin Cross Sections

39-Y -90



5

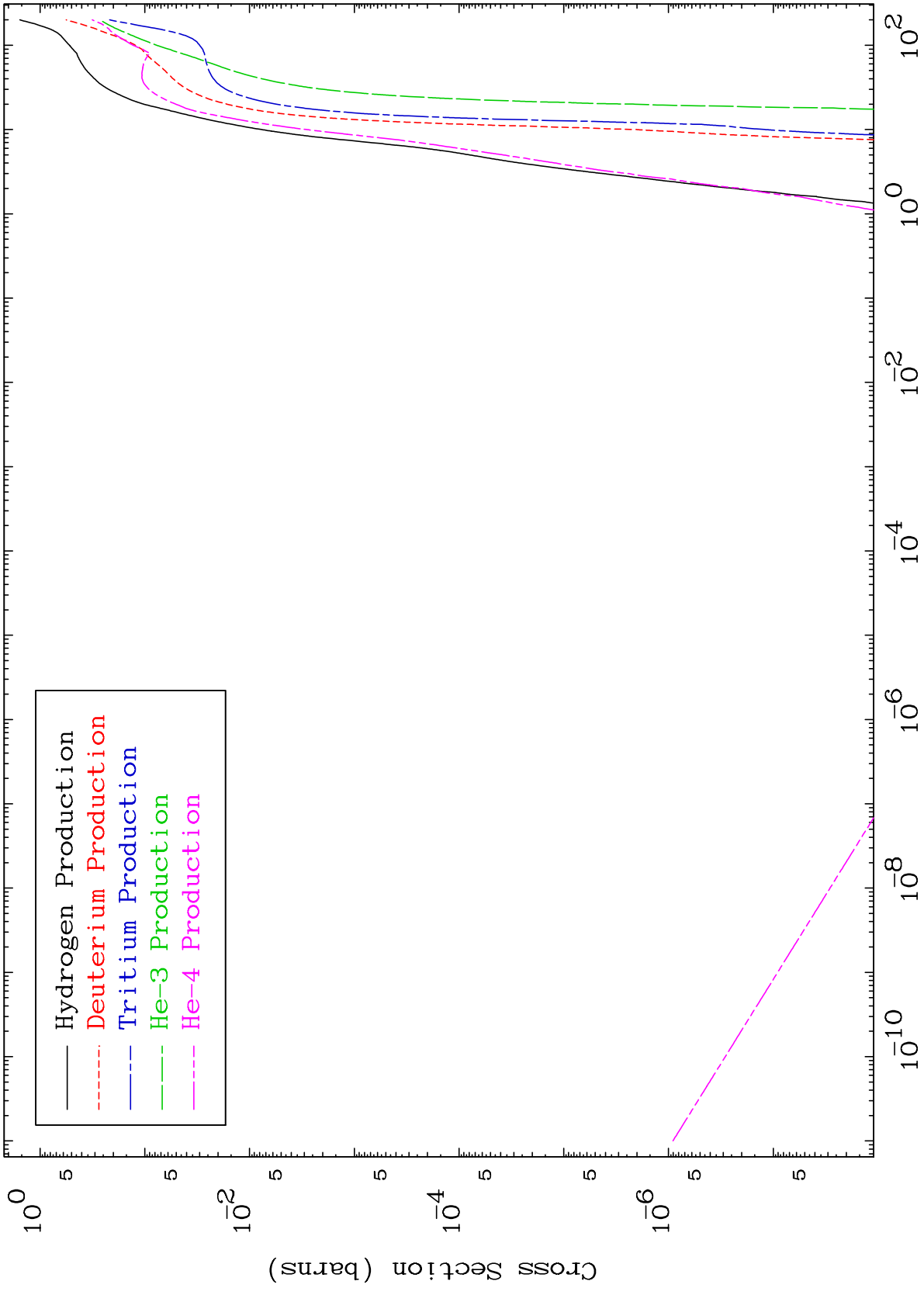
Incident Energy (MeV)

39-Y -90

MAT 3929

Particle Production  
293 Kelvin Cross Sections

39-Y -90



6

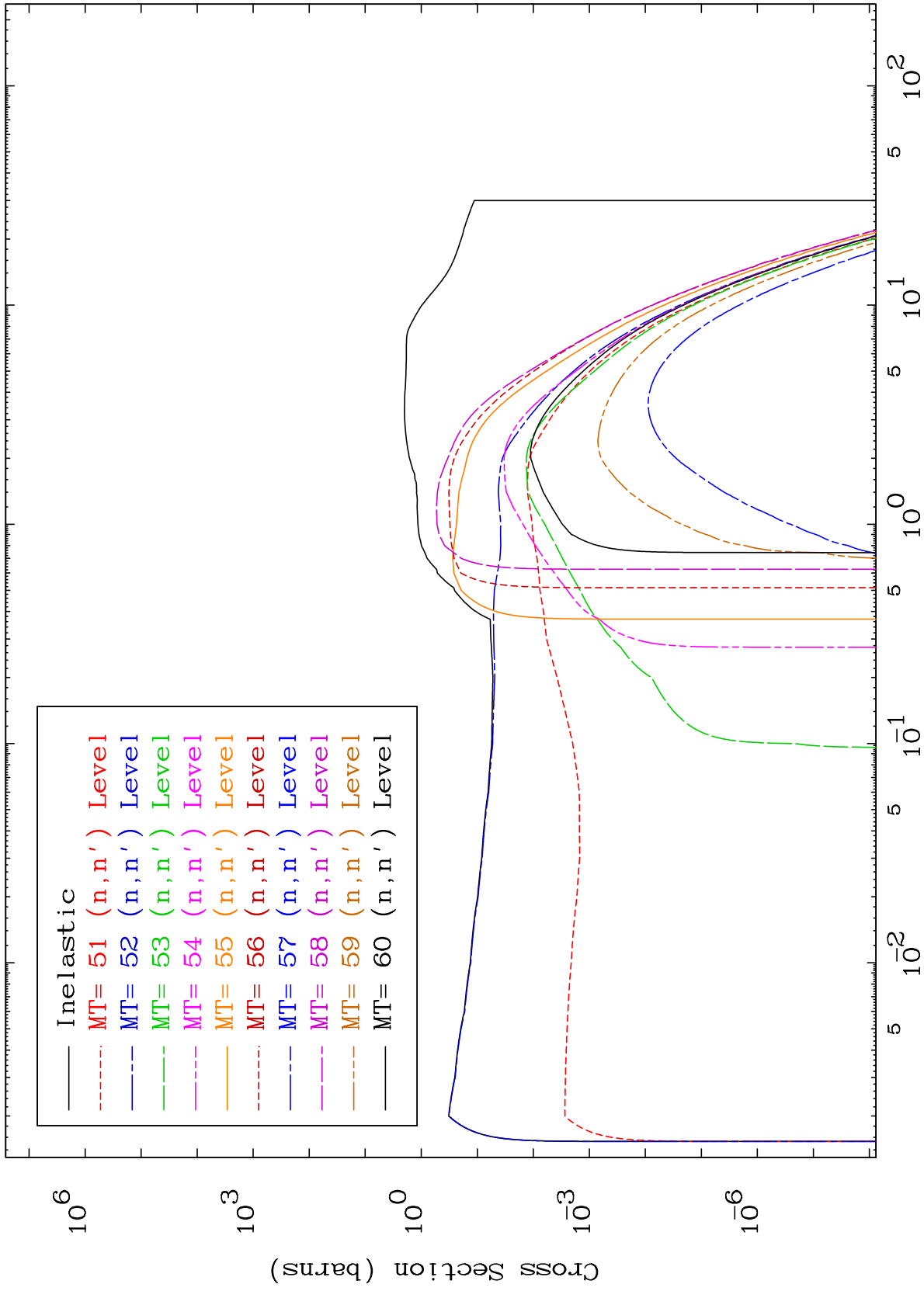
Incident Energy (MeV)

39-Y -90

MAT 3929

(n,n') Level  
293 Kelvin Cross Sections

39-Y -90



7

Incident Energy (MeV)

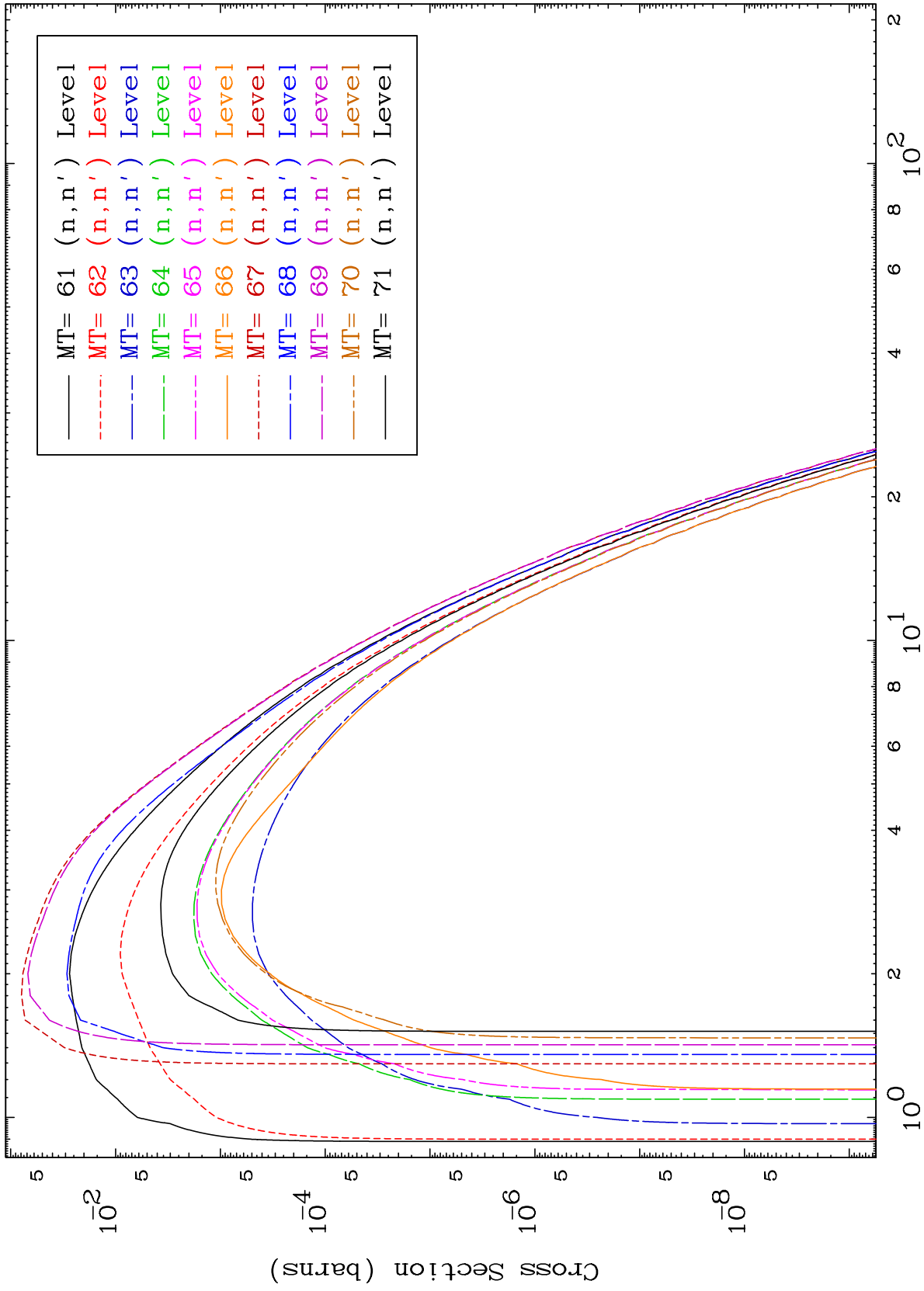
39-Y -90



MAT 3929

(n,n') Level  
293 Kelvin Cross Sections

39-Y -90



8

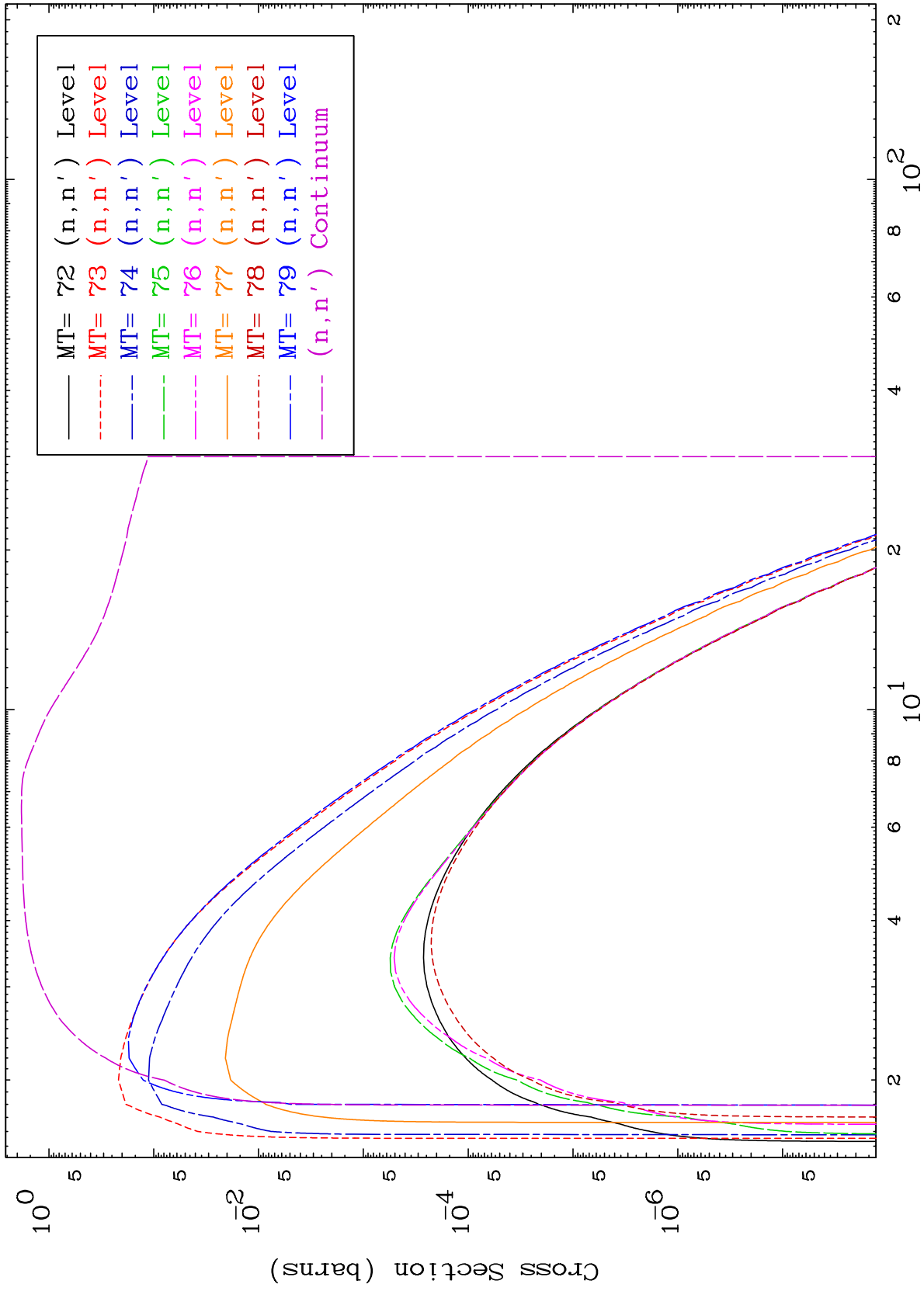
Incident Energy (MeV)

39-Y -90

MAT 3929

$(n, n')$  Level  
293 Kelvin Cross Sections

39-Y -90



9

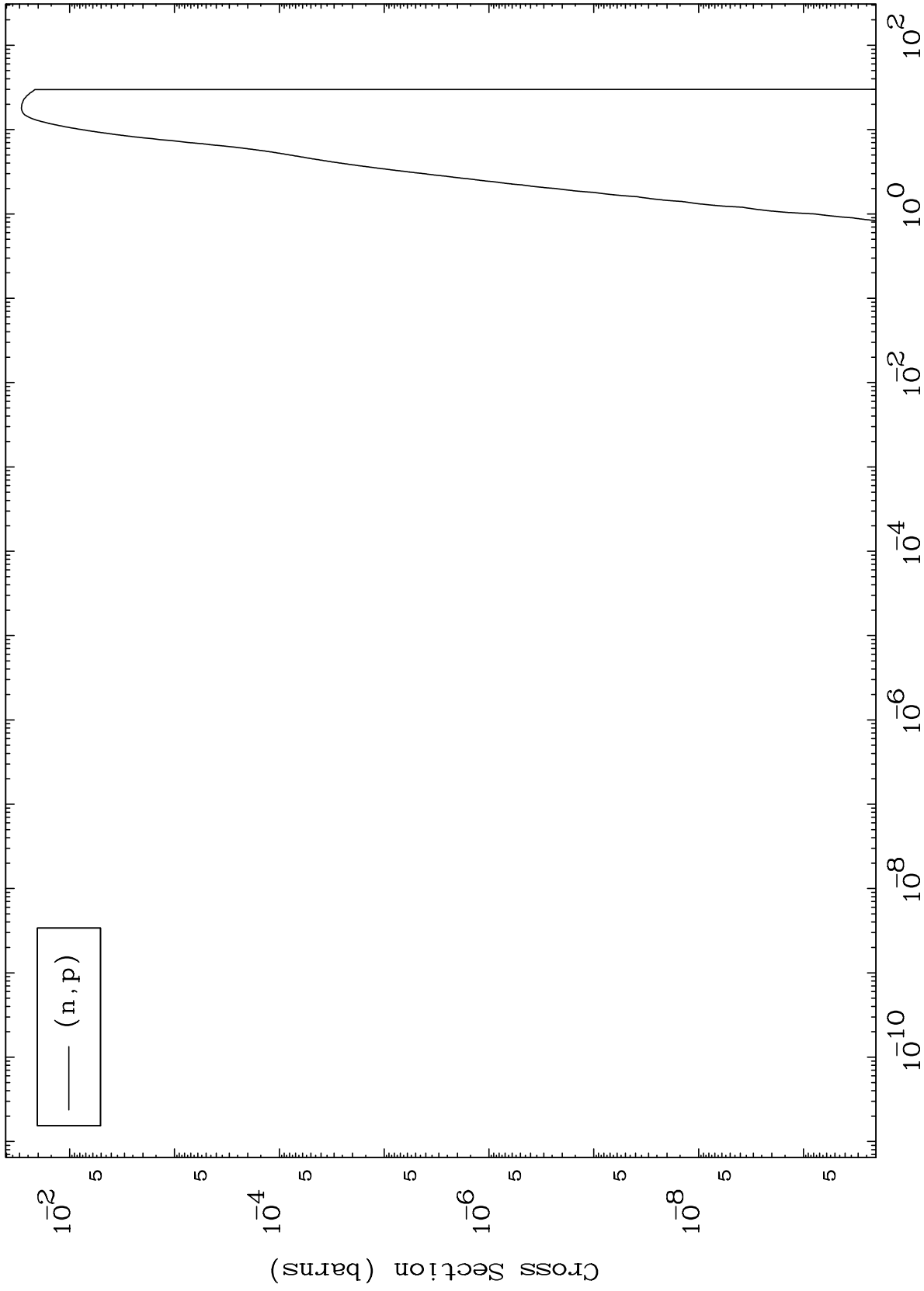
Incident Energy (MeV)

39-Y -90

MAT 3929

(n,p) Levels  
293 Kelvin Cross Sections

39-Y -90



— (n,p)

10

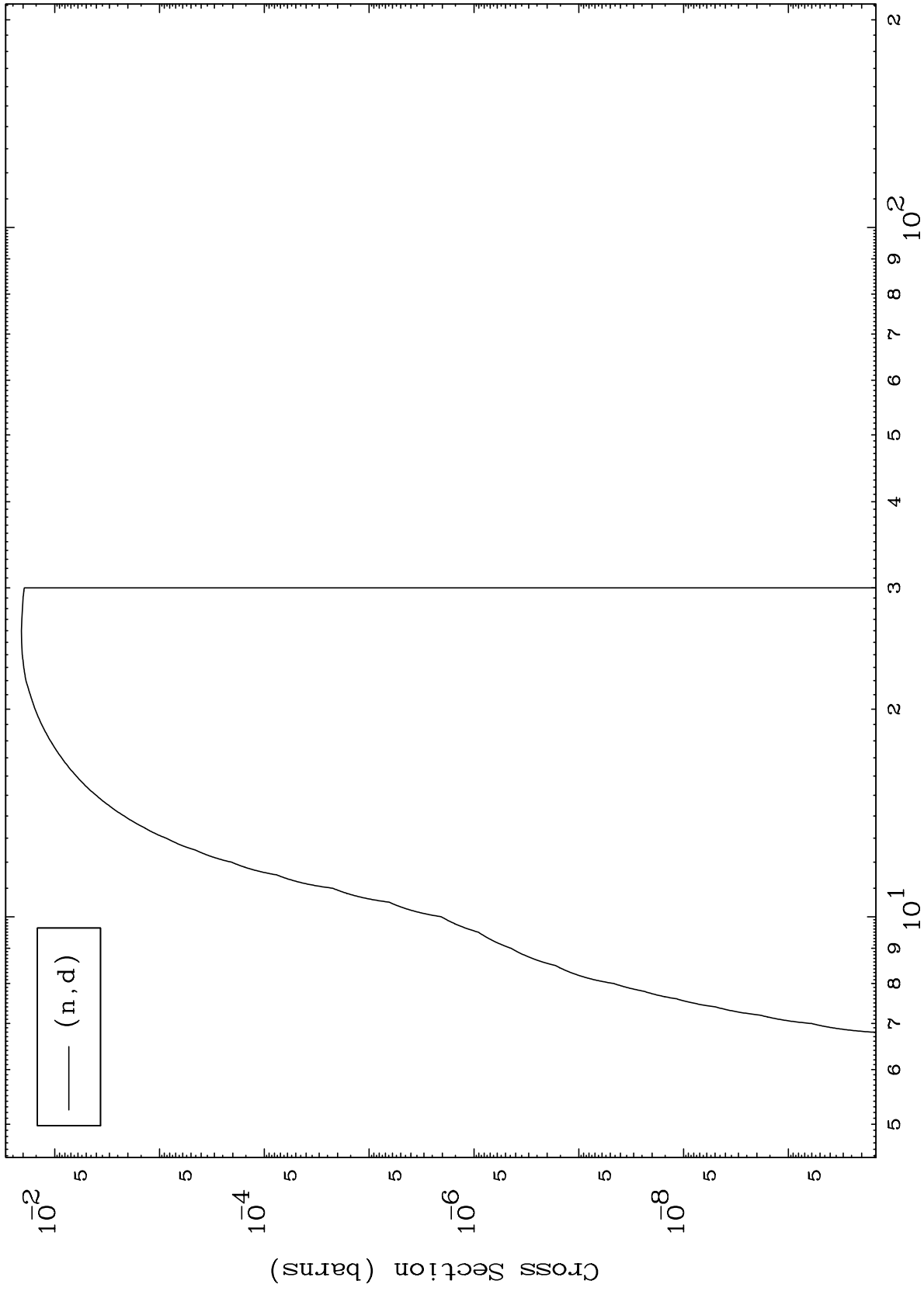
Incident Energy (MeV)

39-Y -90

MAT 3929

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -90



11

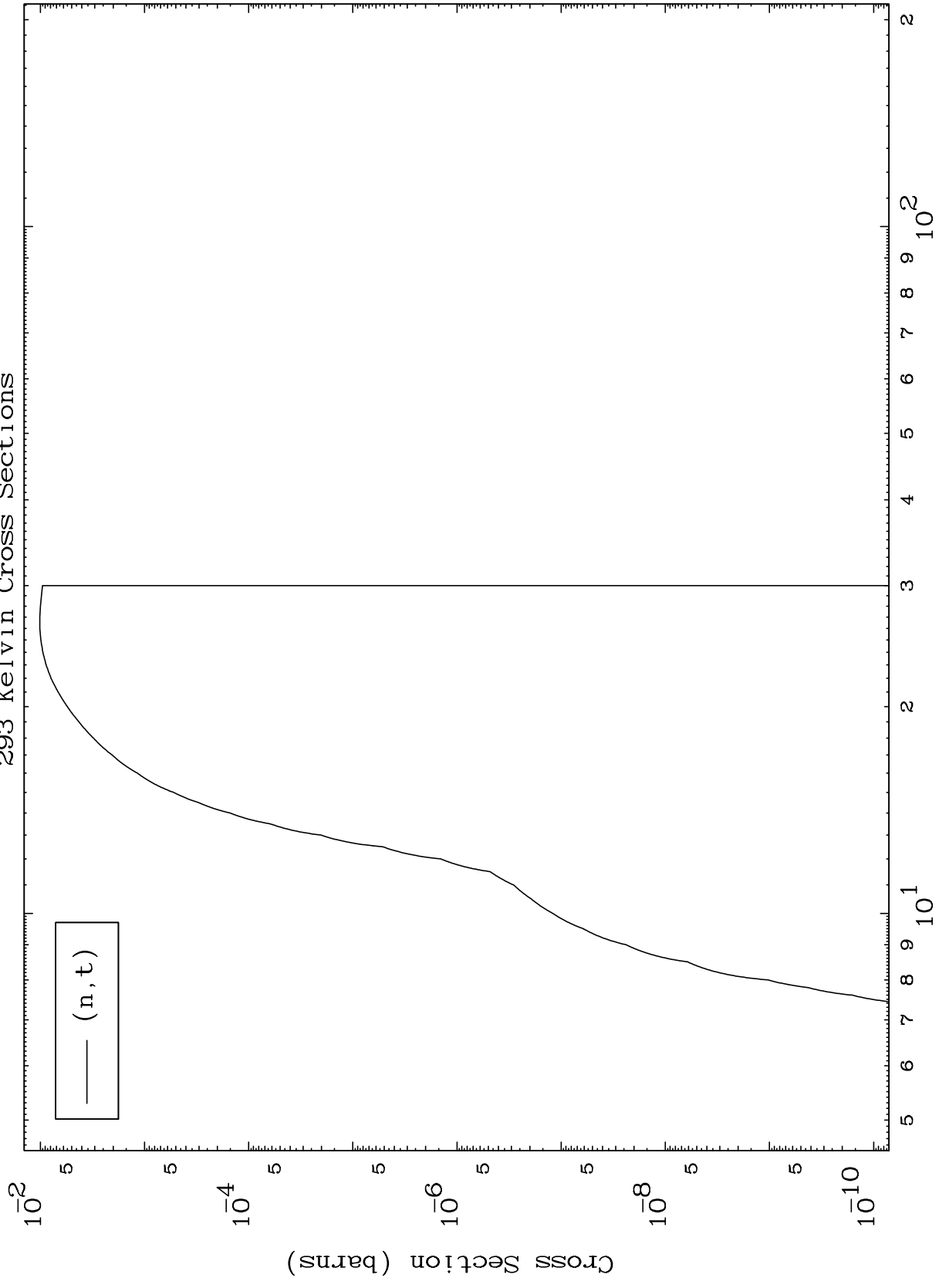
Incident Energy (MeV)

39-Y -90

MAT 3929

(n,t) Levels  
293 Kelvin Cross Sections

39-Y -90



12

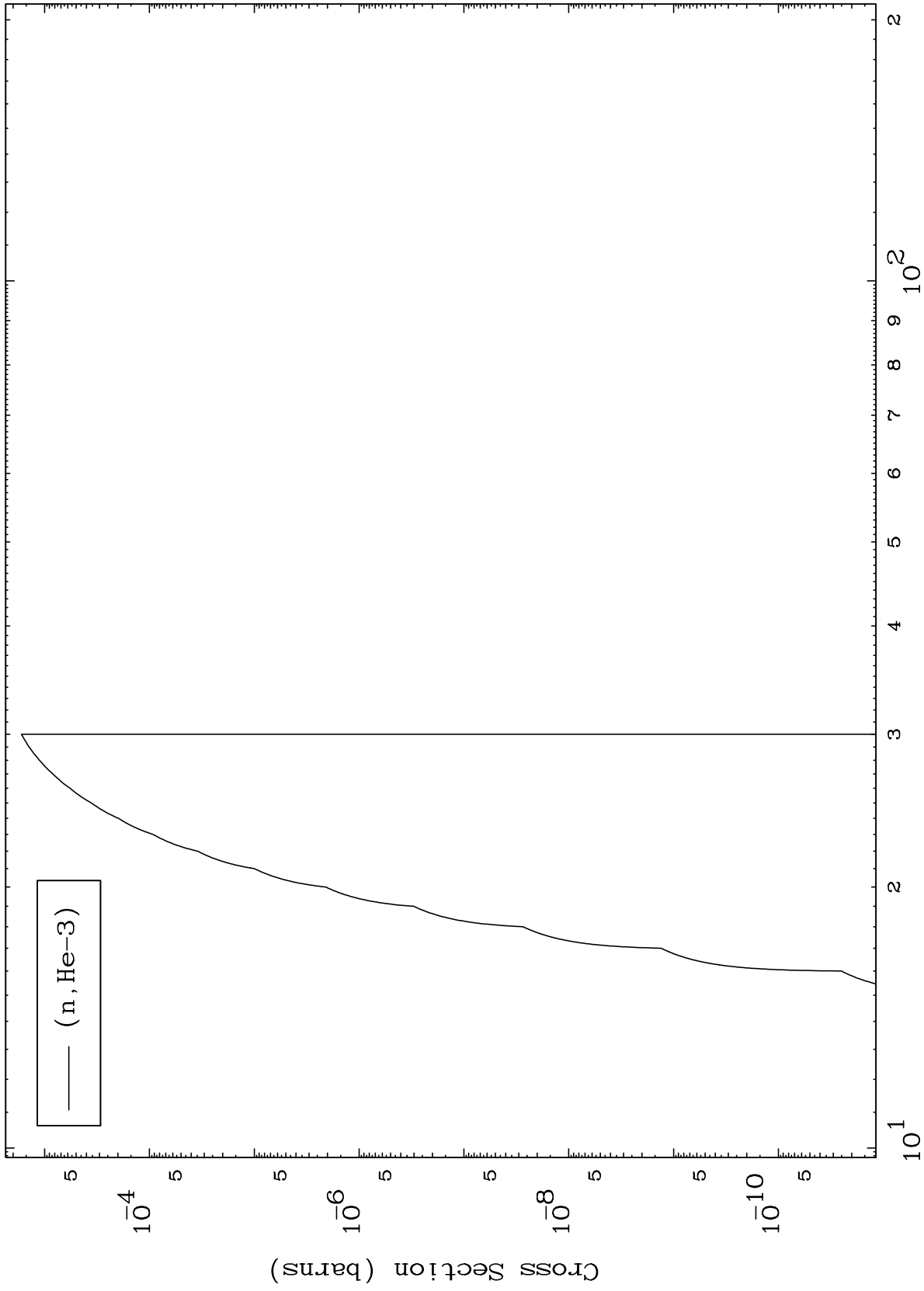
Incident Energy (MeV)

39-Y -90

MAT 3929

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -90



13

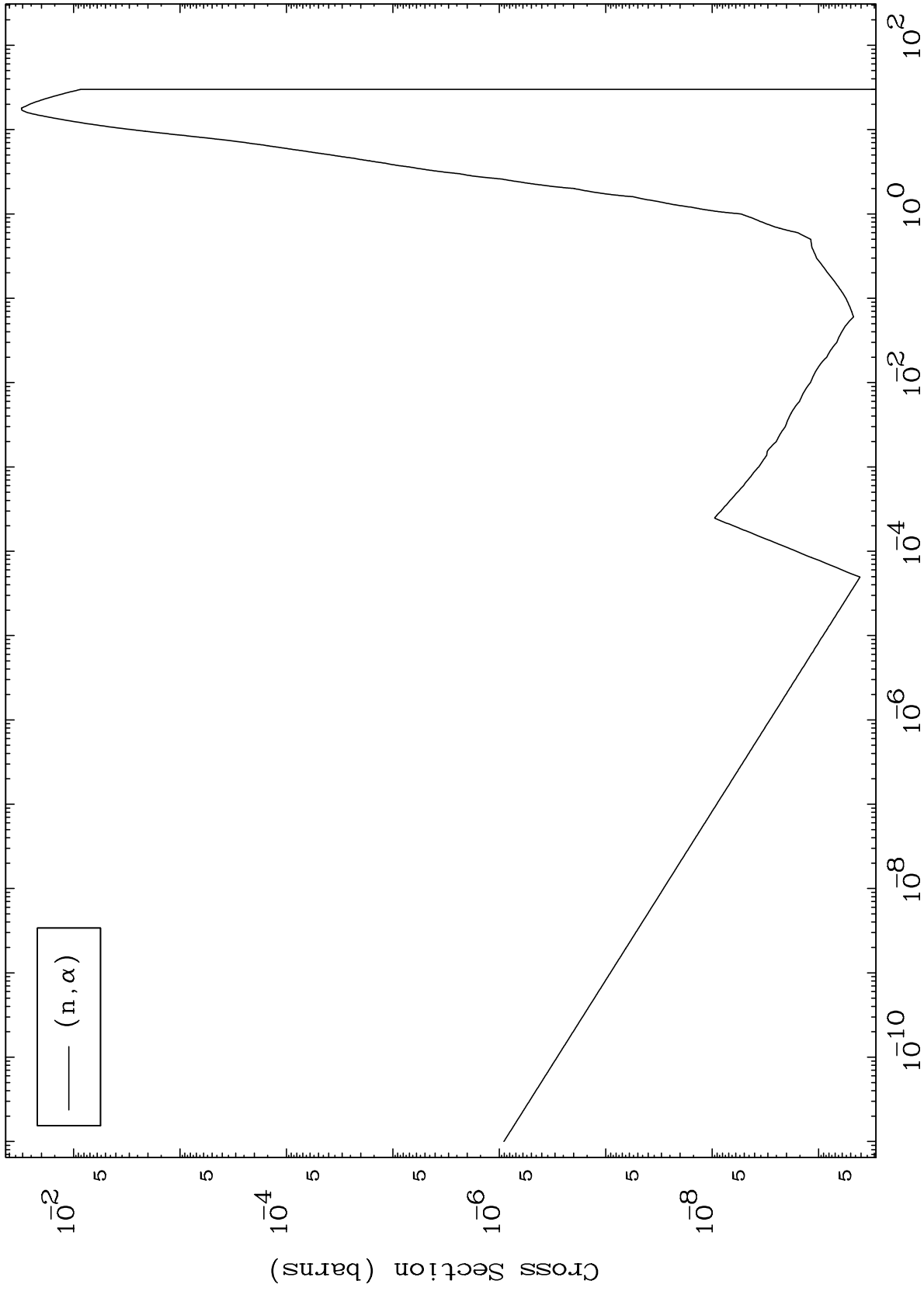
Incident Energy (MeV)

39-Y -90

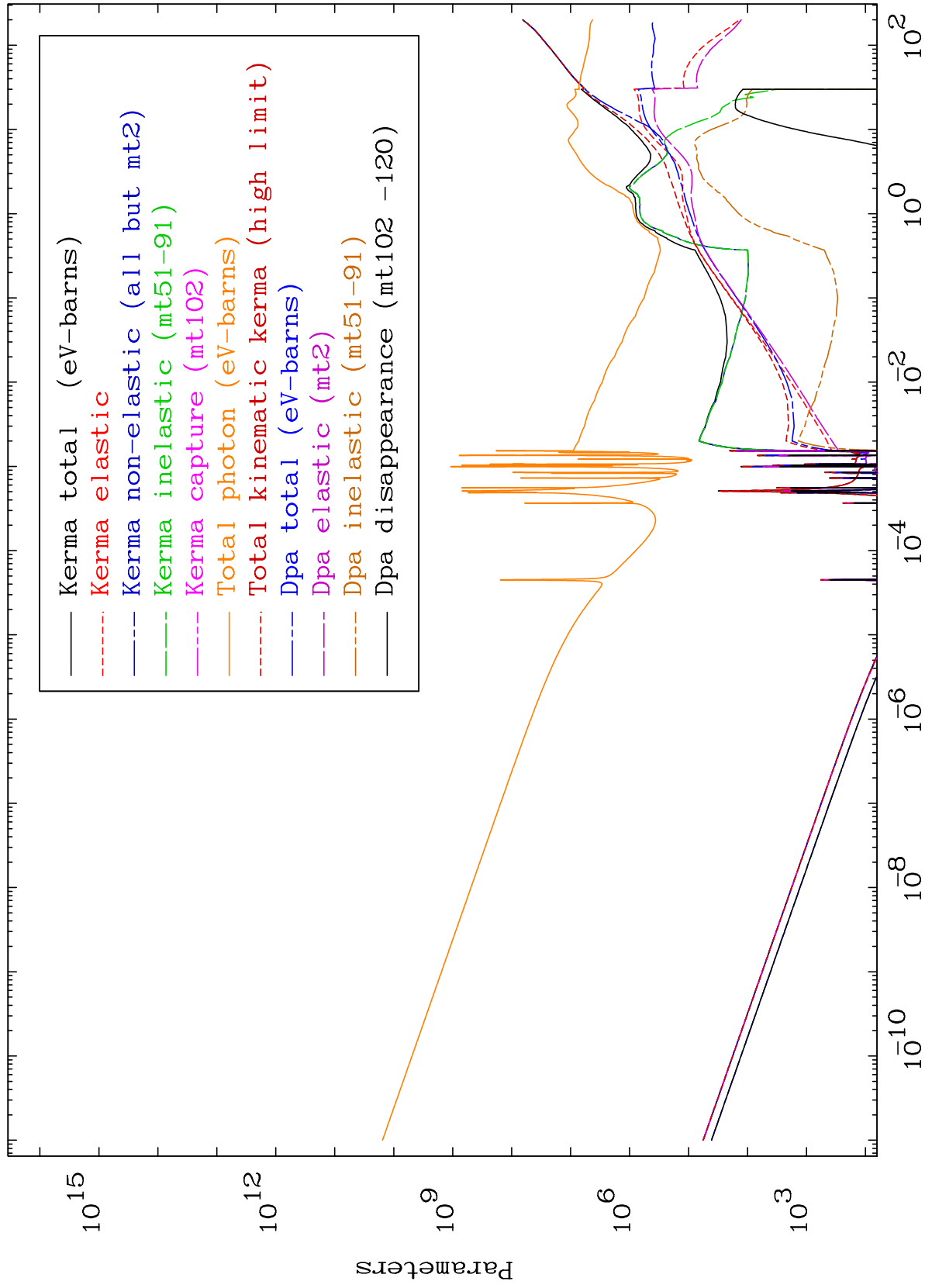
MAT 3929

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

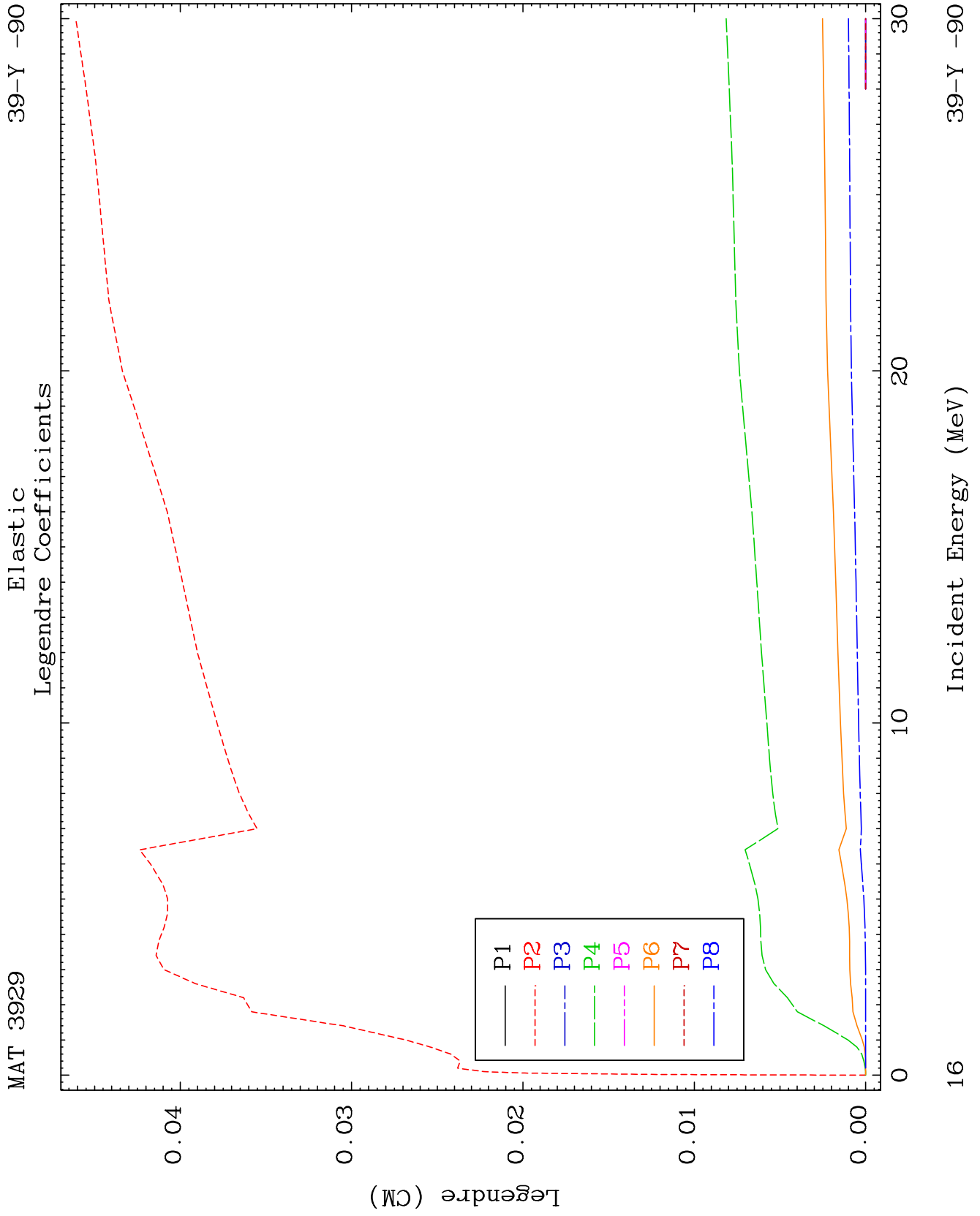
39-Y -90



— (n,  $\alpha$ )



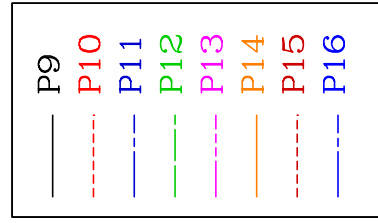




MAT 3929

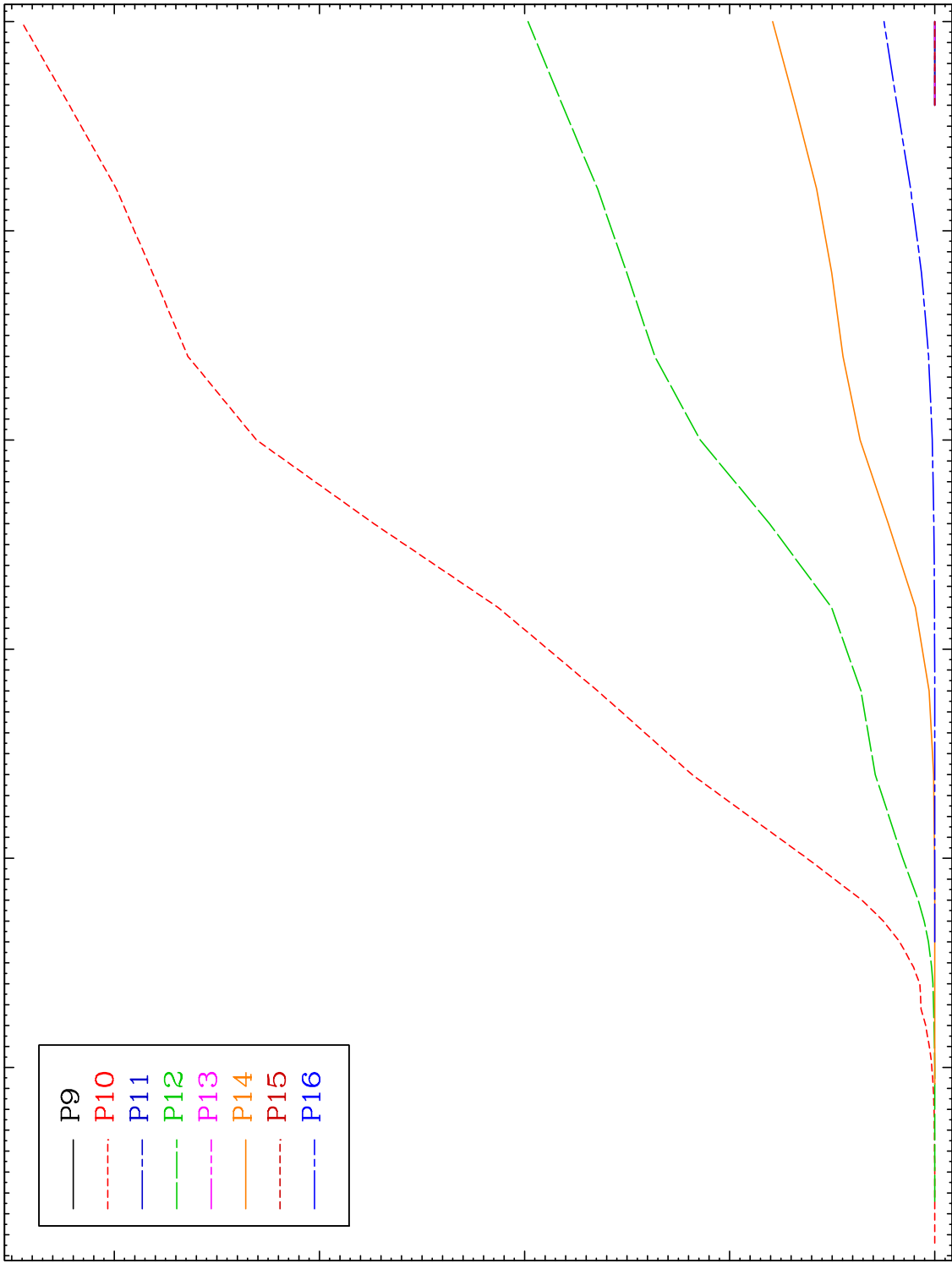
Elastic Legendre Coefficients

39-Y -90



$\times 10^{-4}$

Legendre (CM)



17

Incident Energy (MeV)

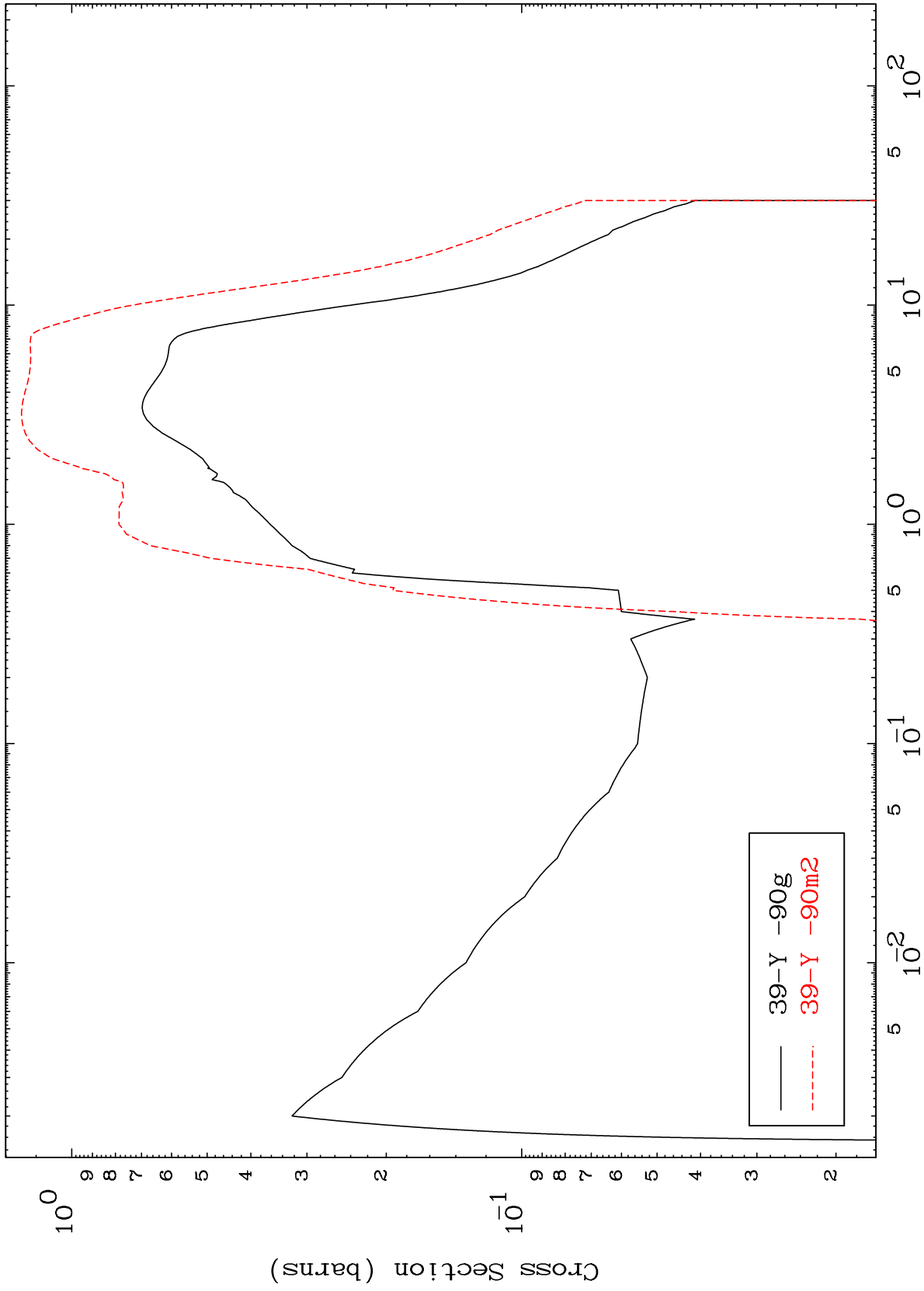
39-Y -90



MAT 3929

39-Y -90

### Inelastic Radionuclide Production Cross Section



19

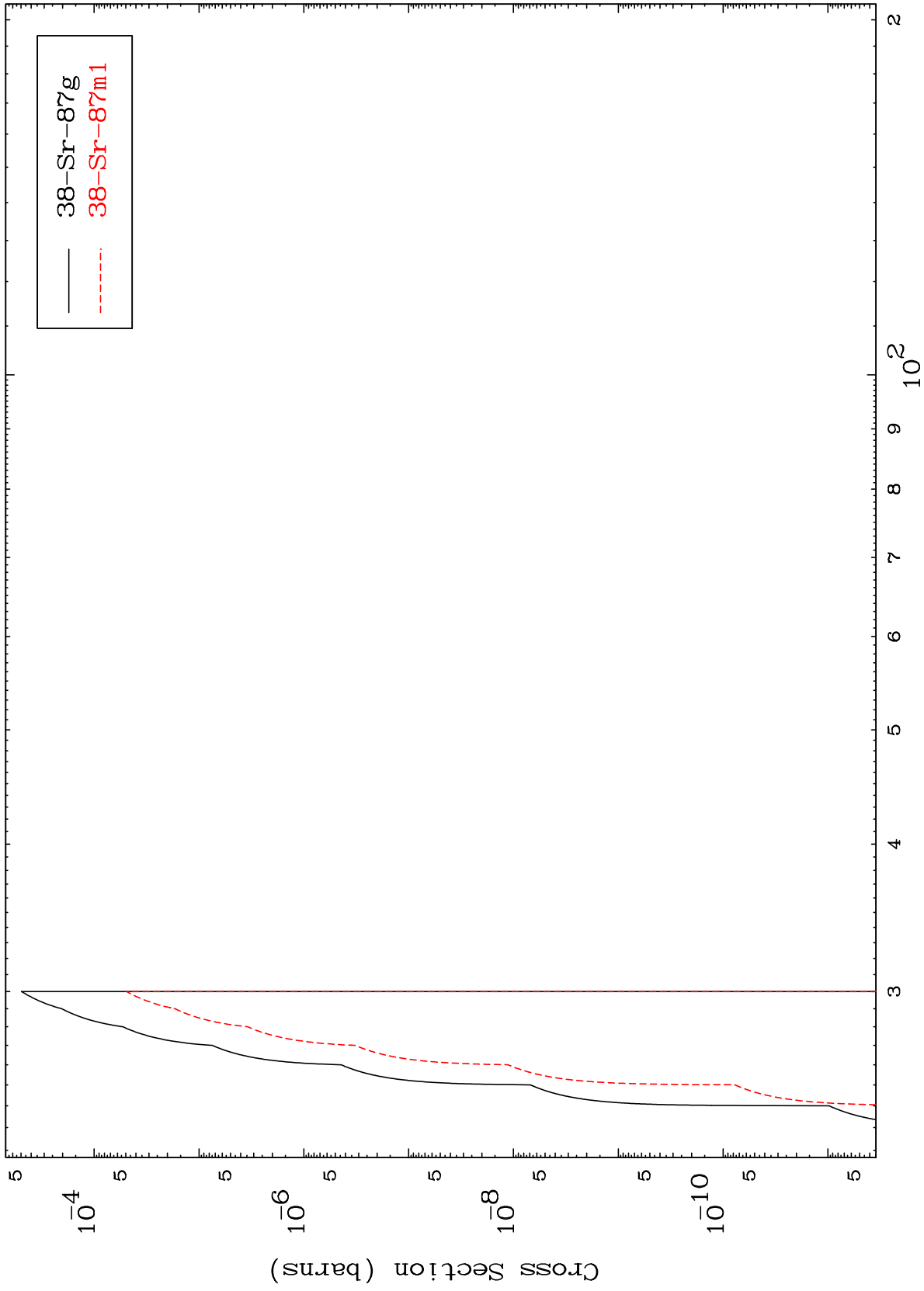
39-Y -90

MAT 3929

(n,2n) d

39-Y -90

Radionuclide Production Cross Section



20

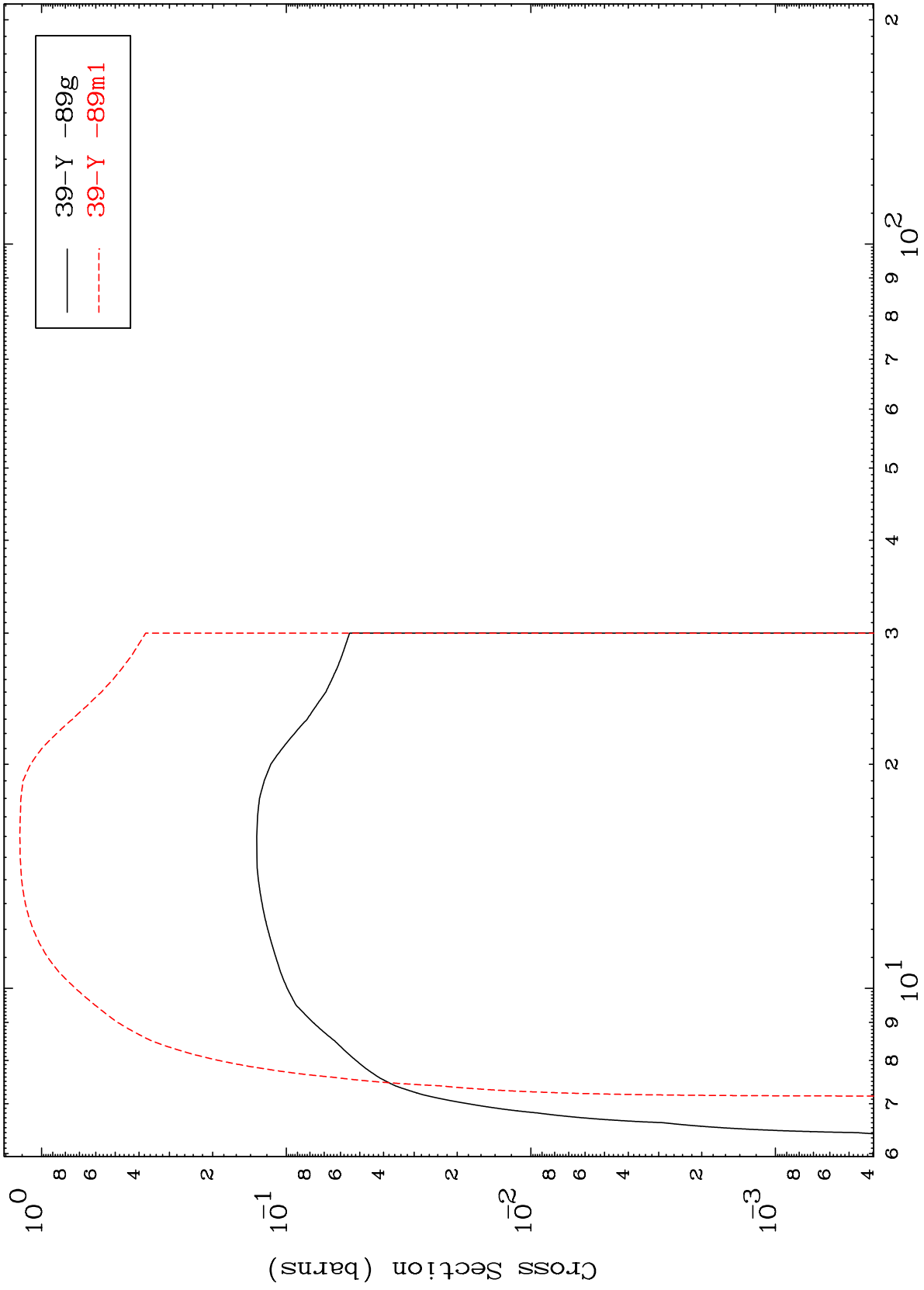
Incident Energy (MeV)

39-Y -90

MAT 3929

39-Y -90

(n,2n)  
Radionuclide Production Cross Section



21

Incident Energy (MeV)

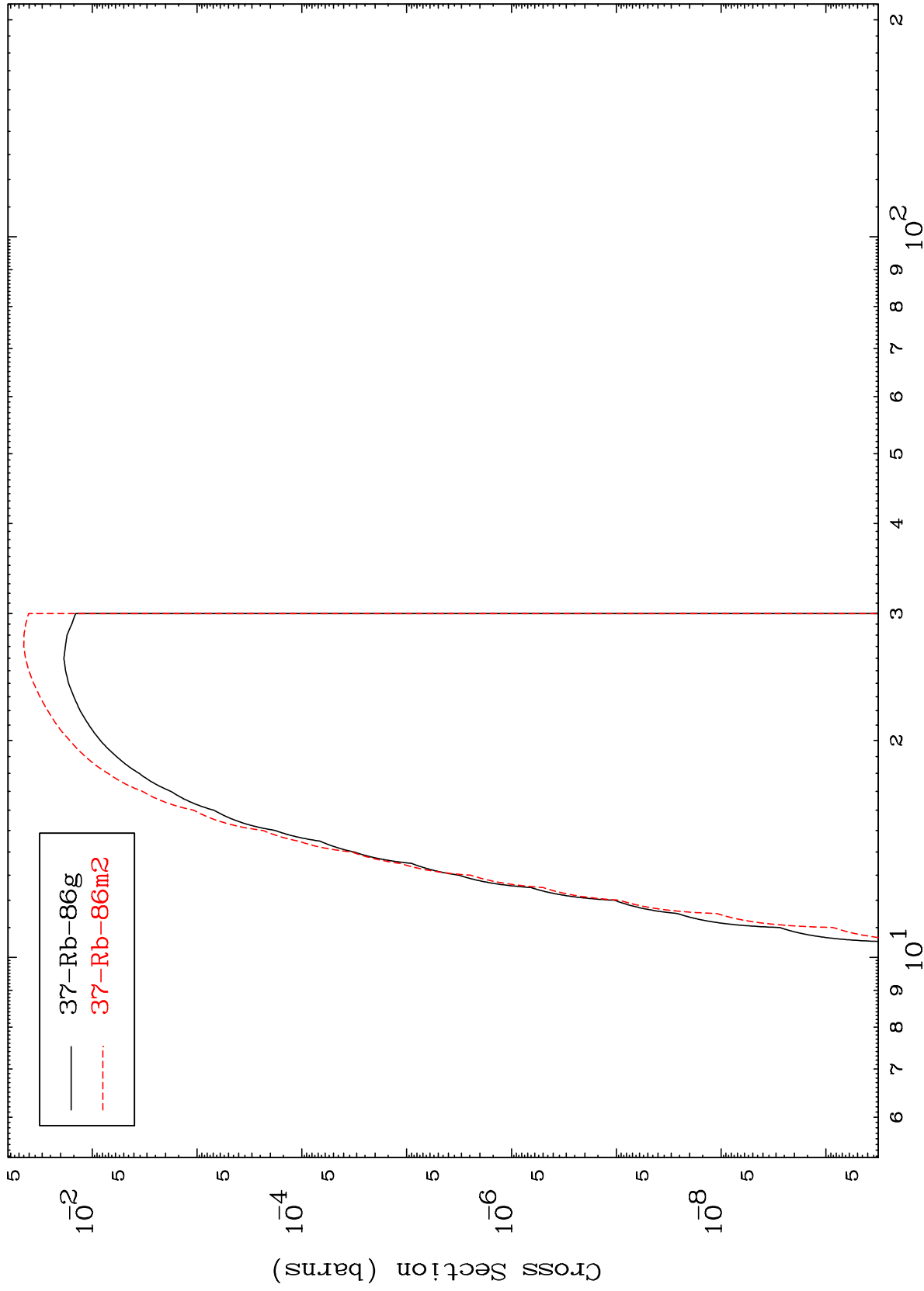
39-Y -90

MAT 3929

(n,n')  $\alpha$

39-Y -90

Radionuclide Production Cross Section



22

Incident Energy (MeV)

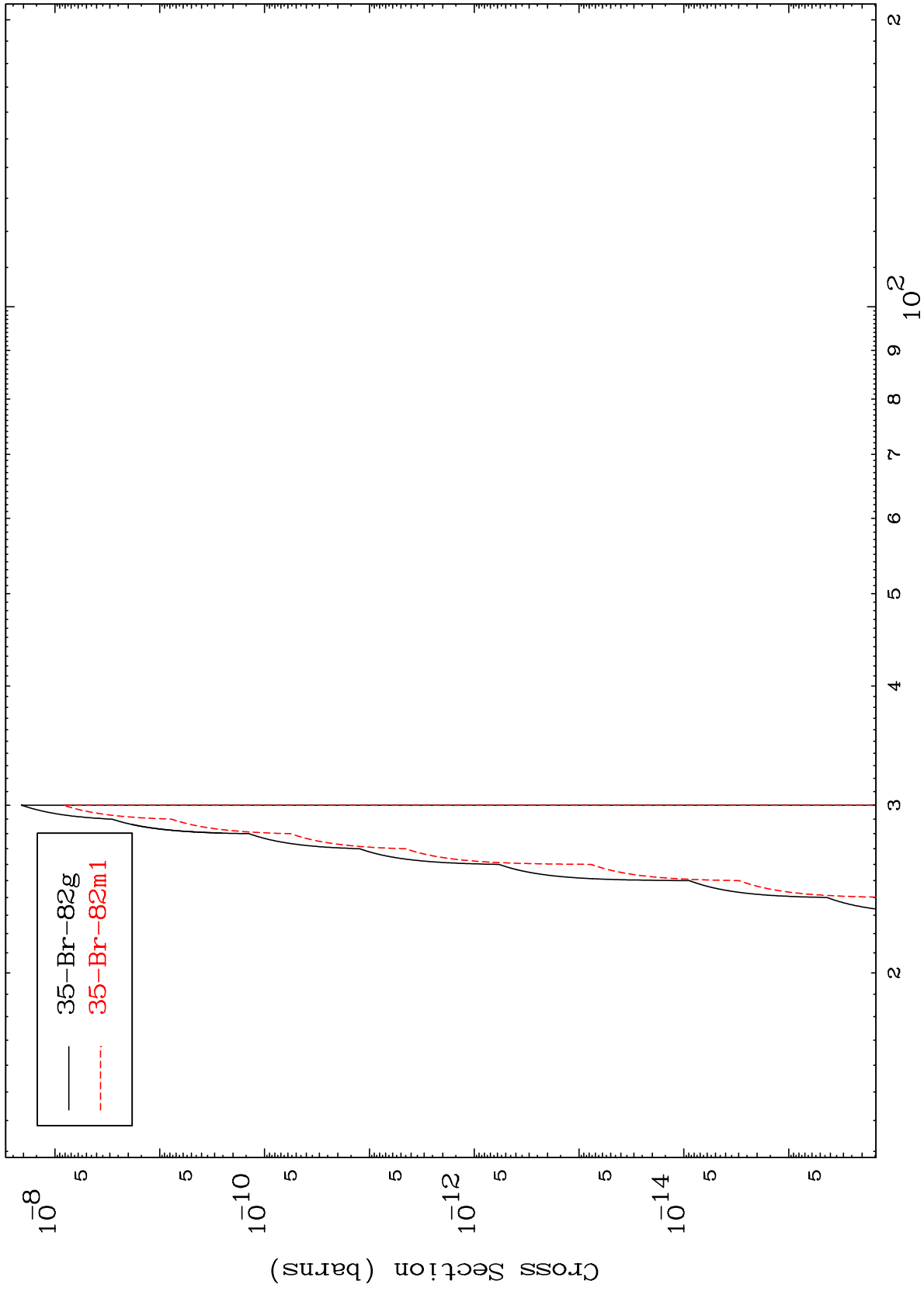
39-Y -90

MAT 3929

(n,n') 2 $\alpha$

39-Y -90

Radionuclide Production Cross Section



23

Incident Energy (MeV)

39-Y -90

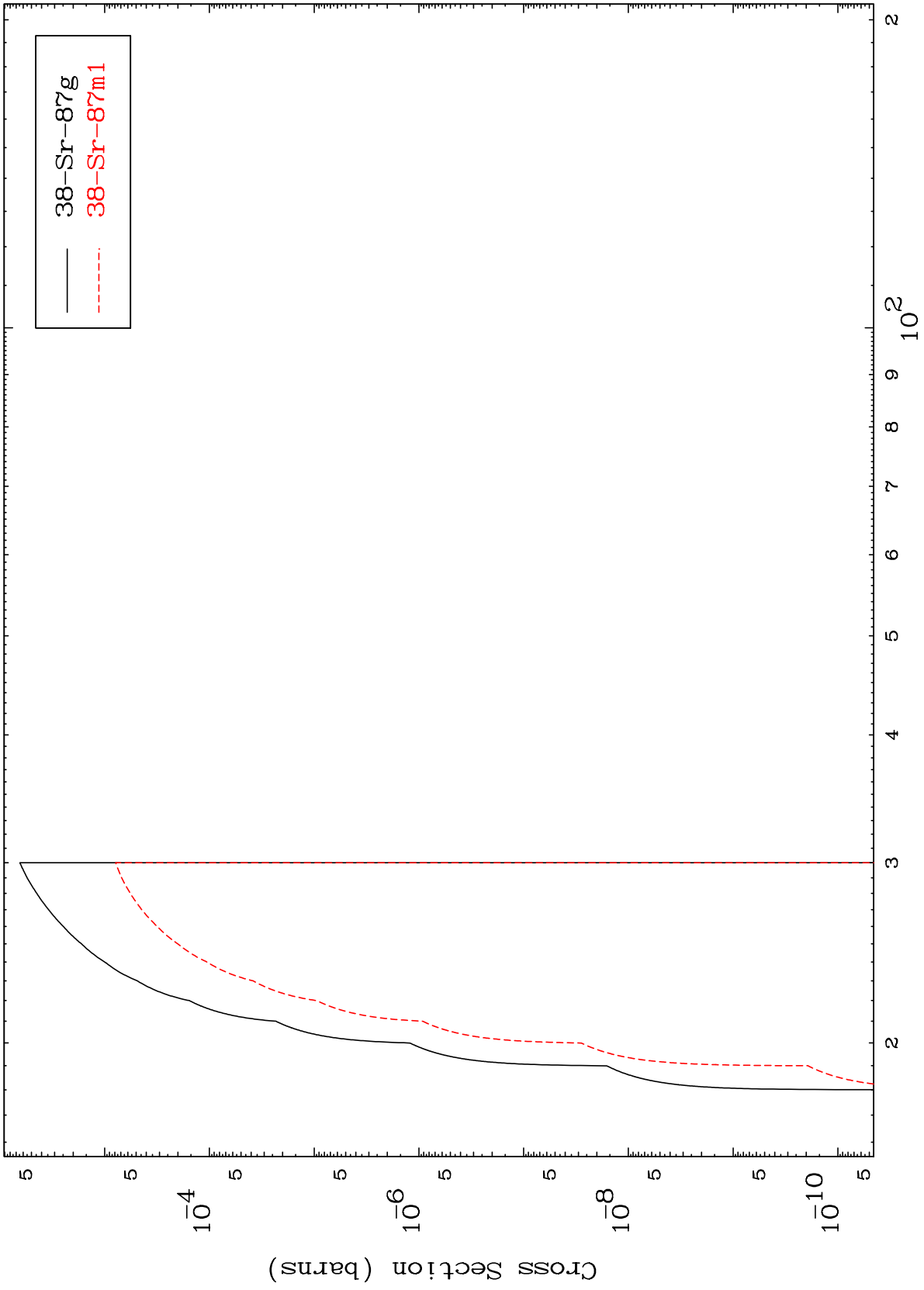


MAT 3929

(n,n') t

39-Y -90

Radionuclide Production Cross Section



24

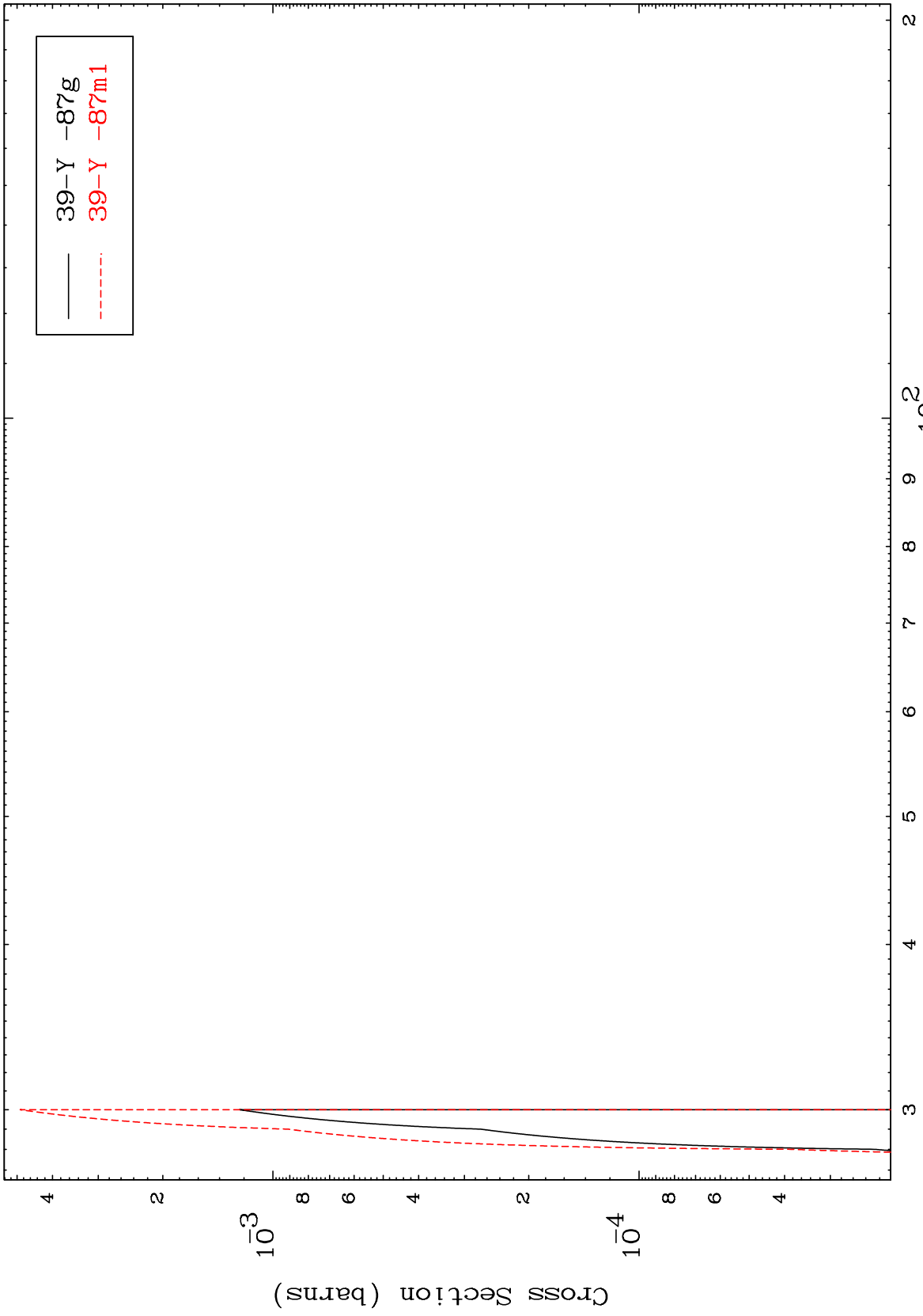
Incident Energy (MeV)

39-Y -90

MAT 3929

39-Y -90

(n,4n)  
Radionuclide Production Cross Section



25

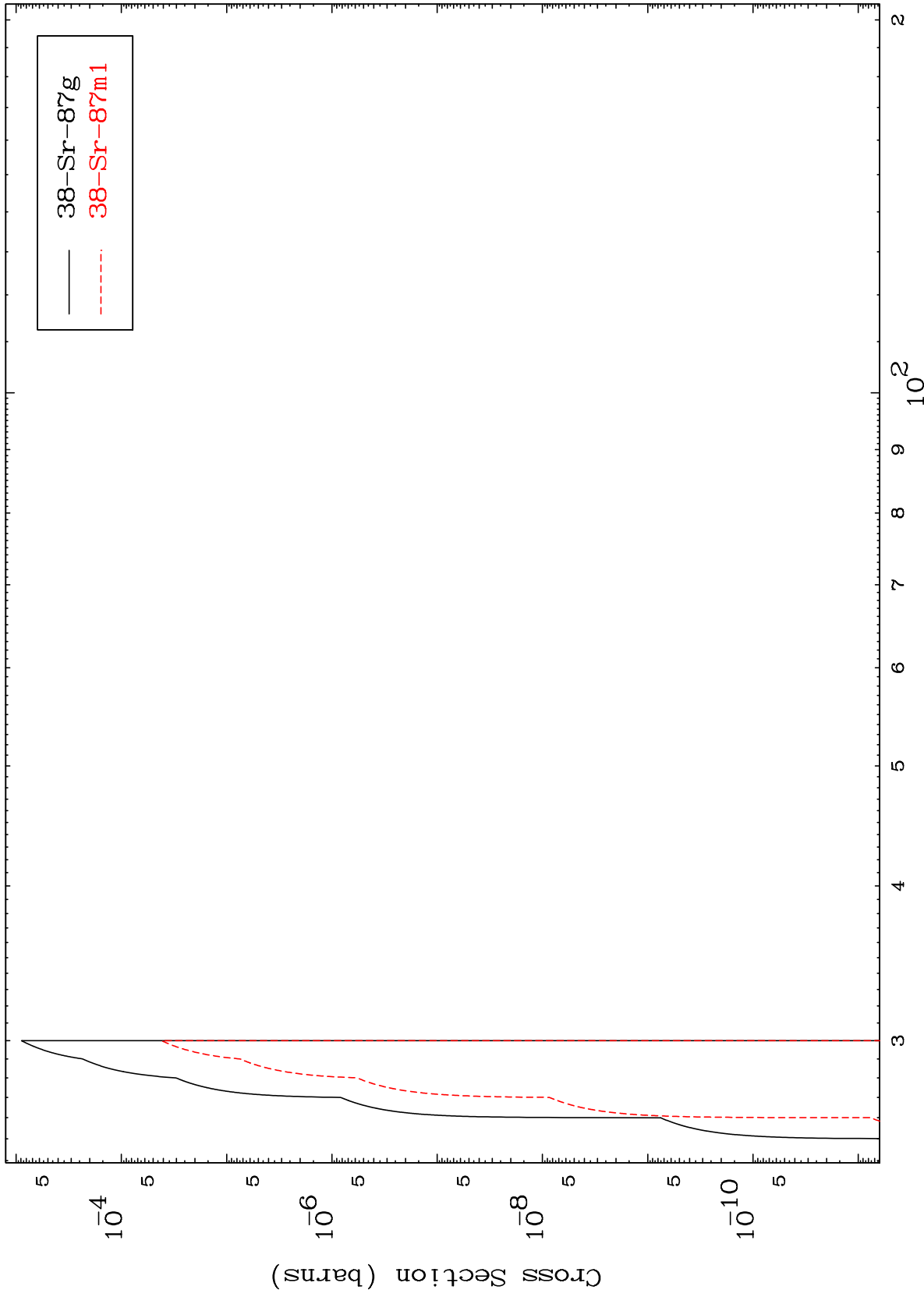
39-Y -90

MAT 3929

(n,3n) p

39-Y -90

Radionuclide Production Cross Section



26

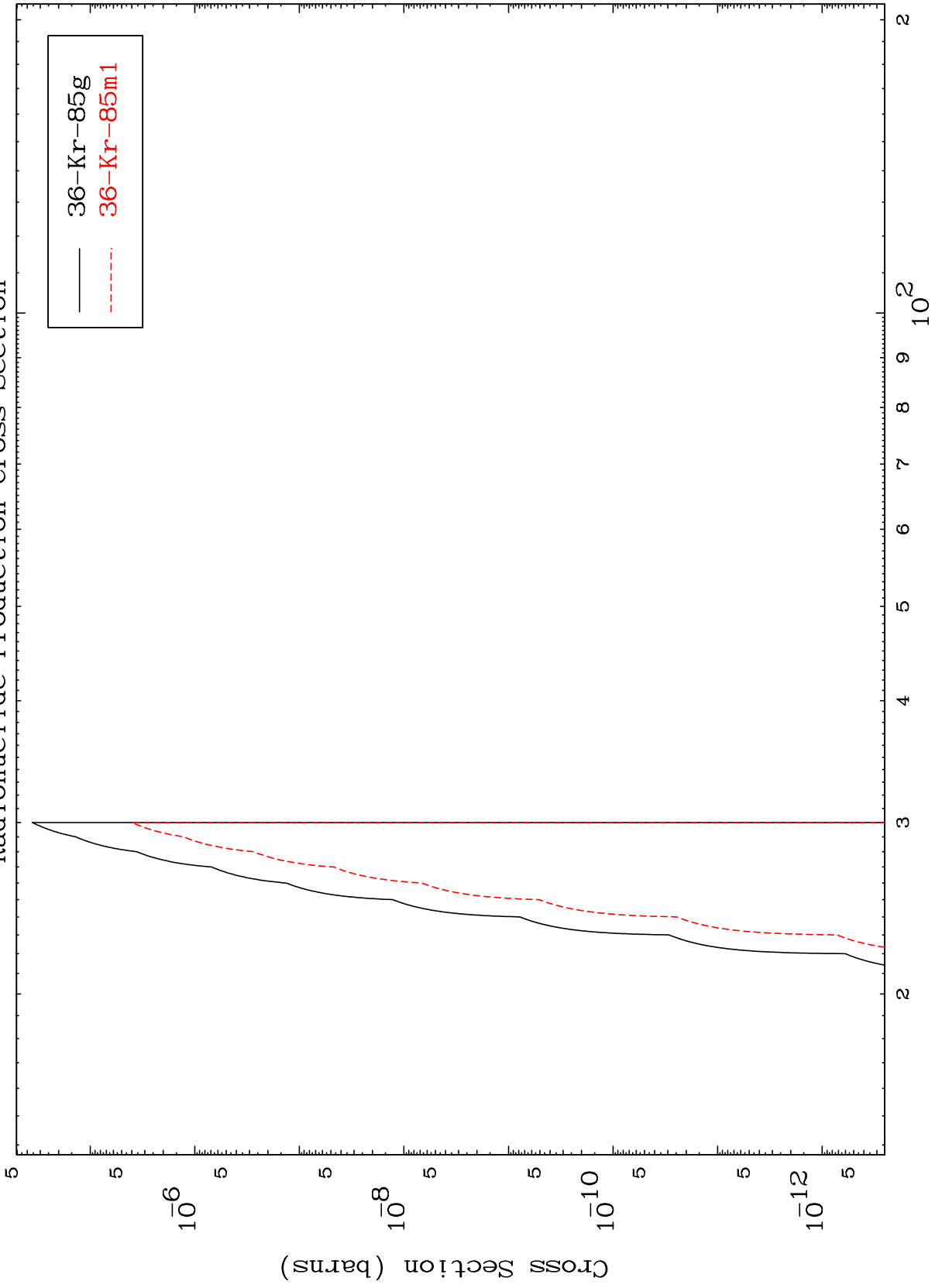
Incident Energy (MeV)

39-Y -90

MAT 3929

39-Y -90

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



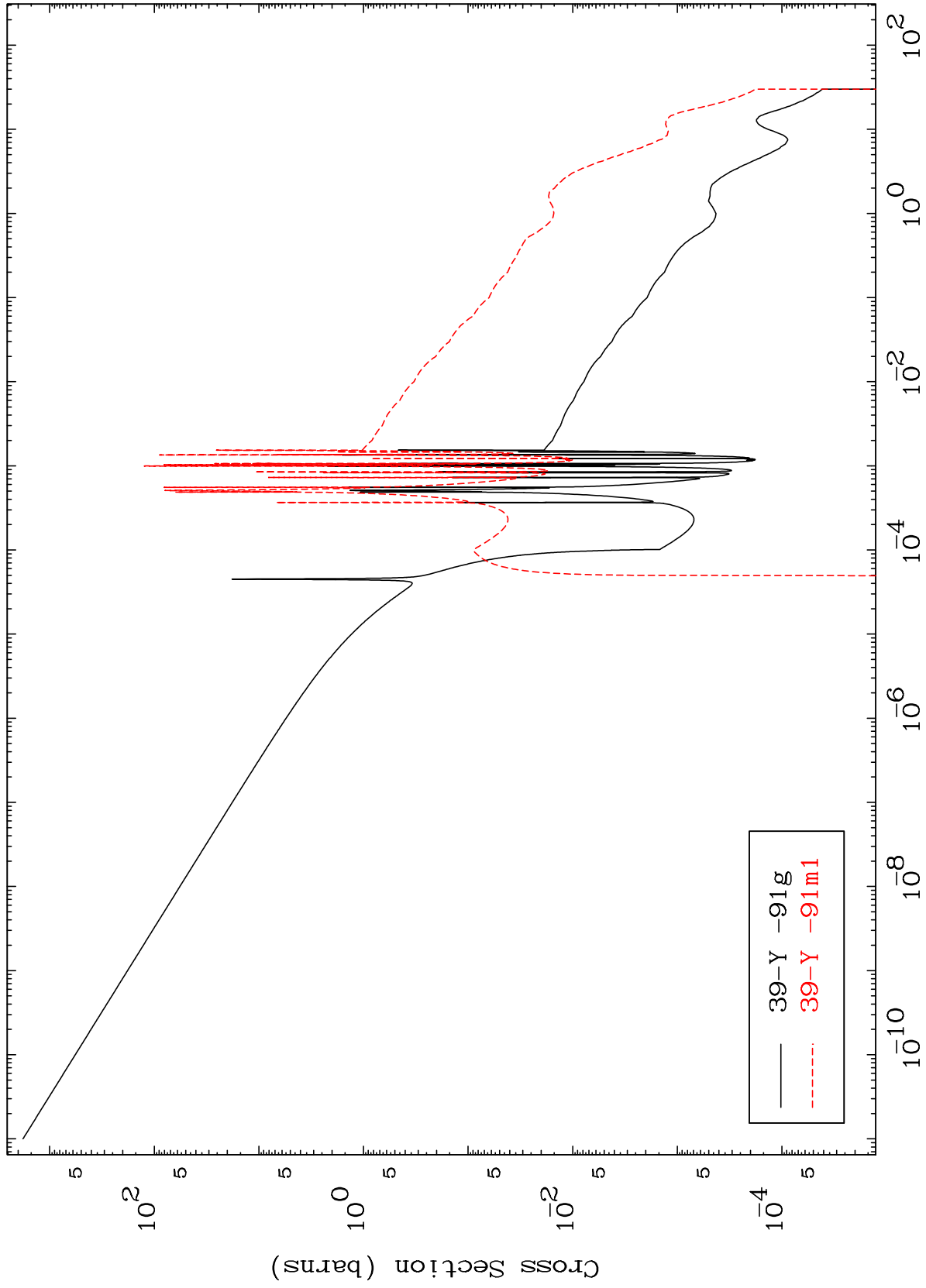
27

39-Y -90

MAT 3929

39-Y -90

Radionuclide Production Cross Section  
(n,γ)



28

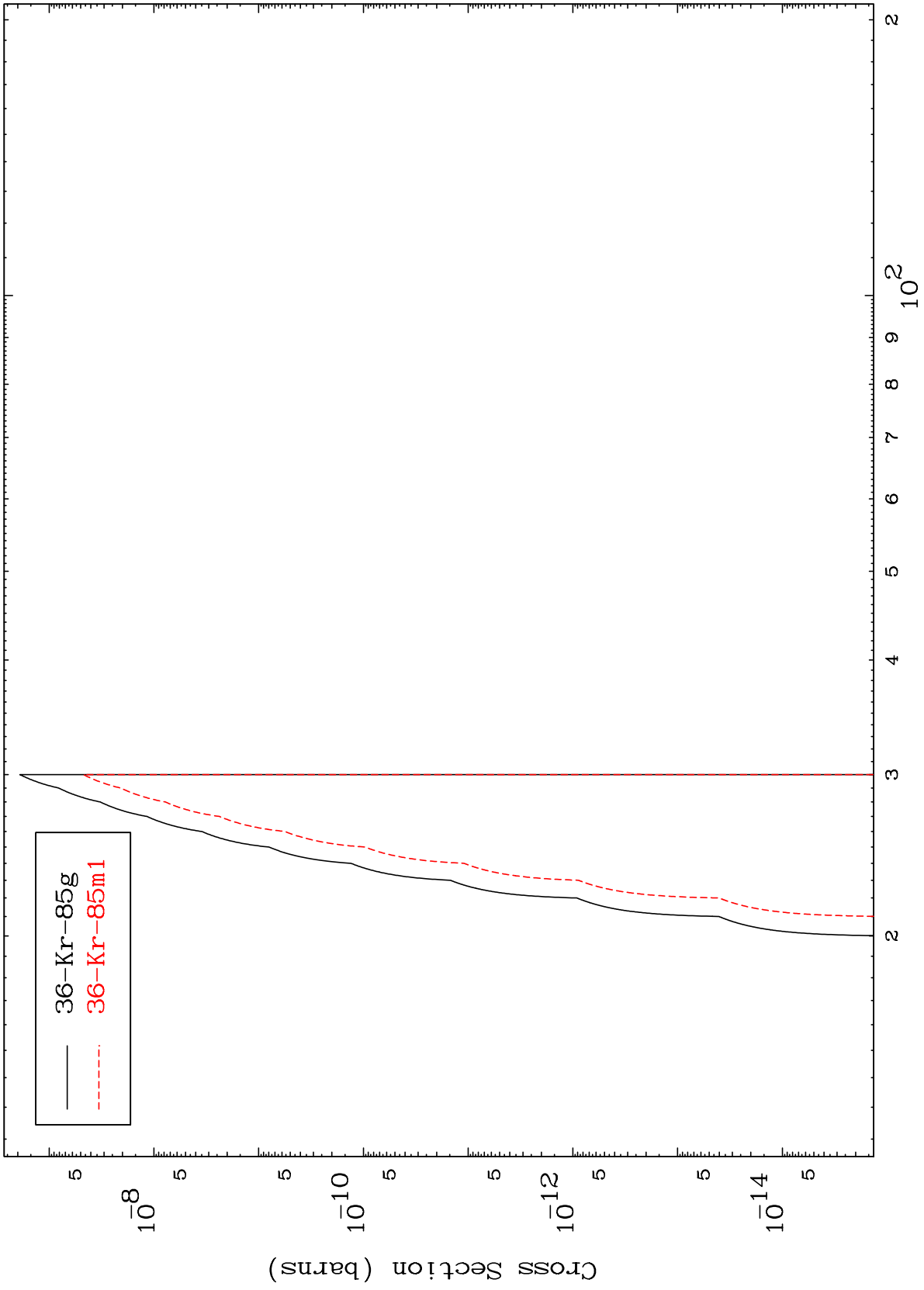
39-Y -90

MAT 3929

(n,d)  $\alpha$

39-Y -90

Radionuclide Production Cross Section



29

Incident Energy (MeV)

39-Y -90