

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

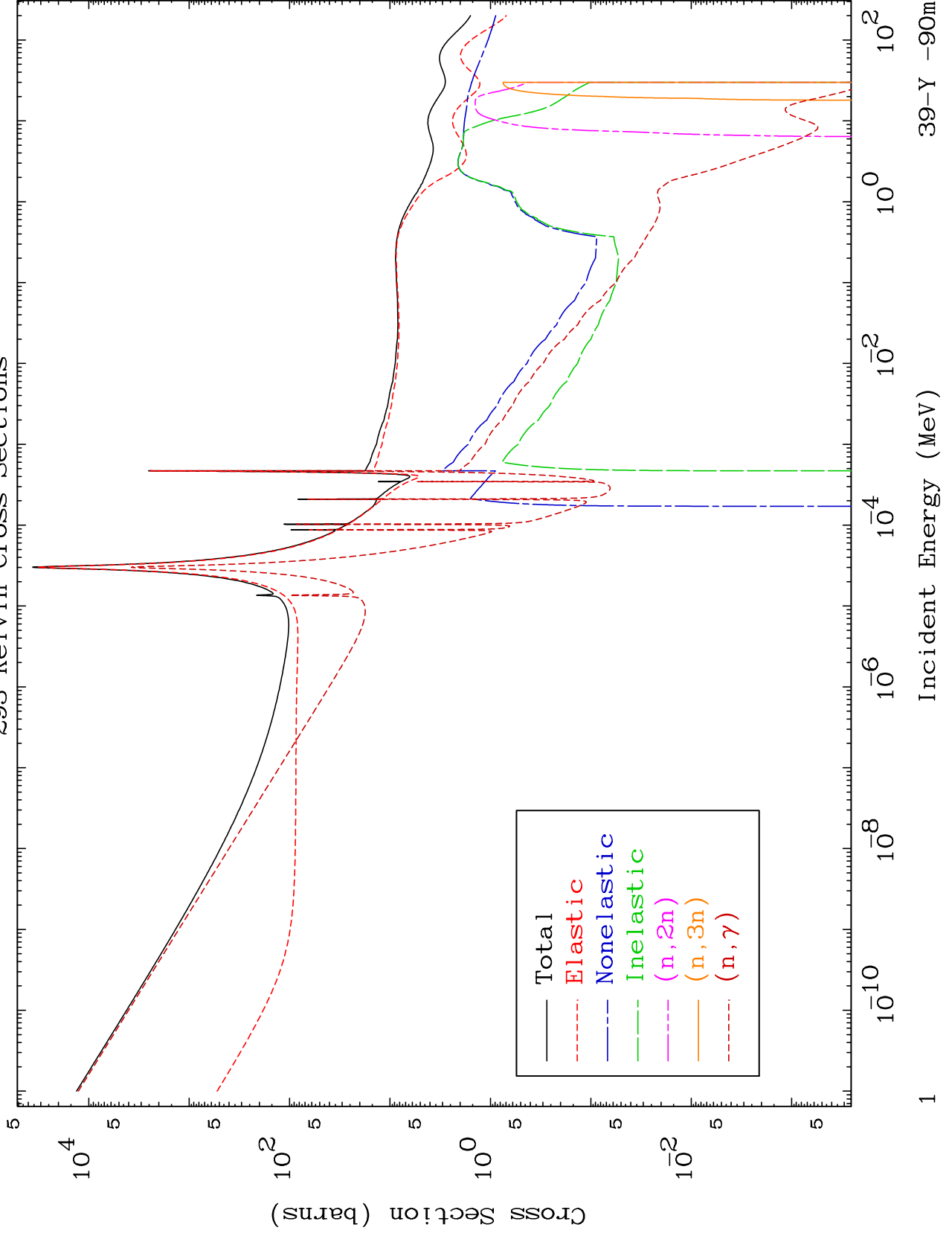
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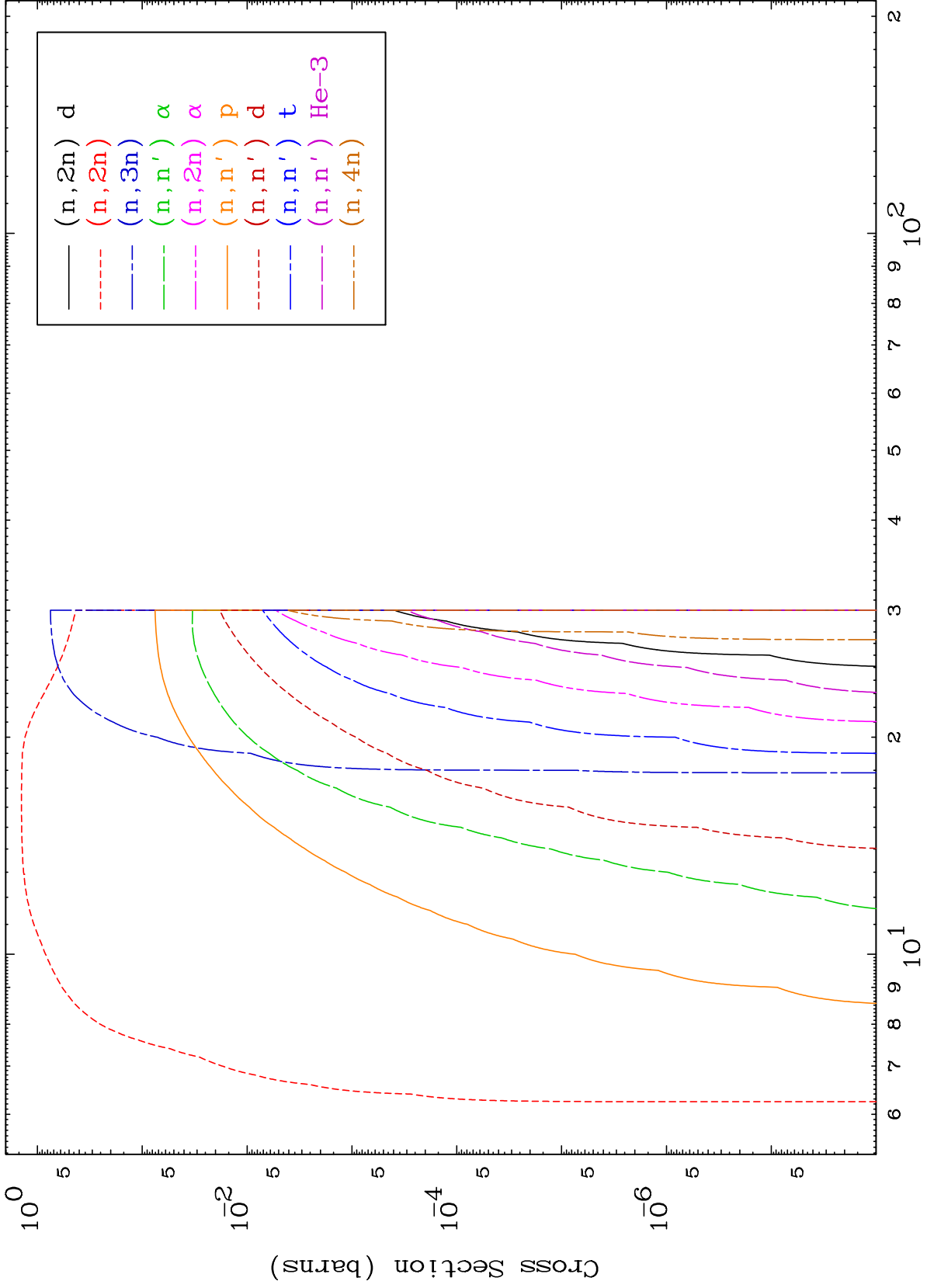
Press Mouse Button to Start

MAT 3929

Neutron Major  
293 Kelvin Cross Sections

39-Y -90m

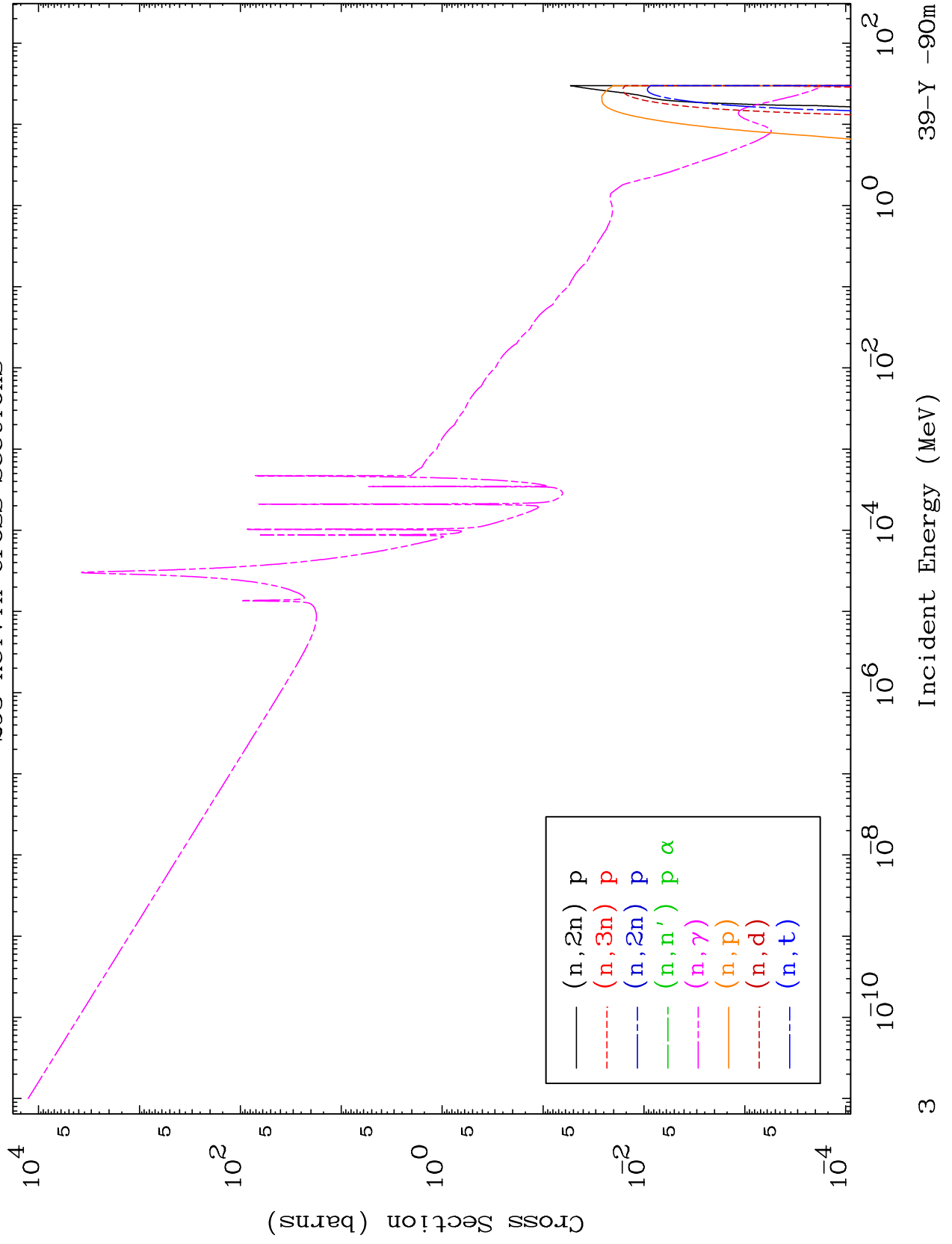




MAT 3929

Neutron Absorption  
293 Kelvin Cross Sections

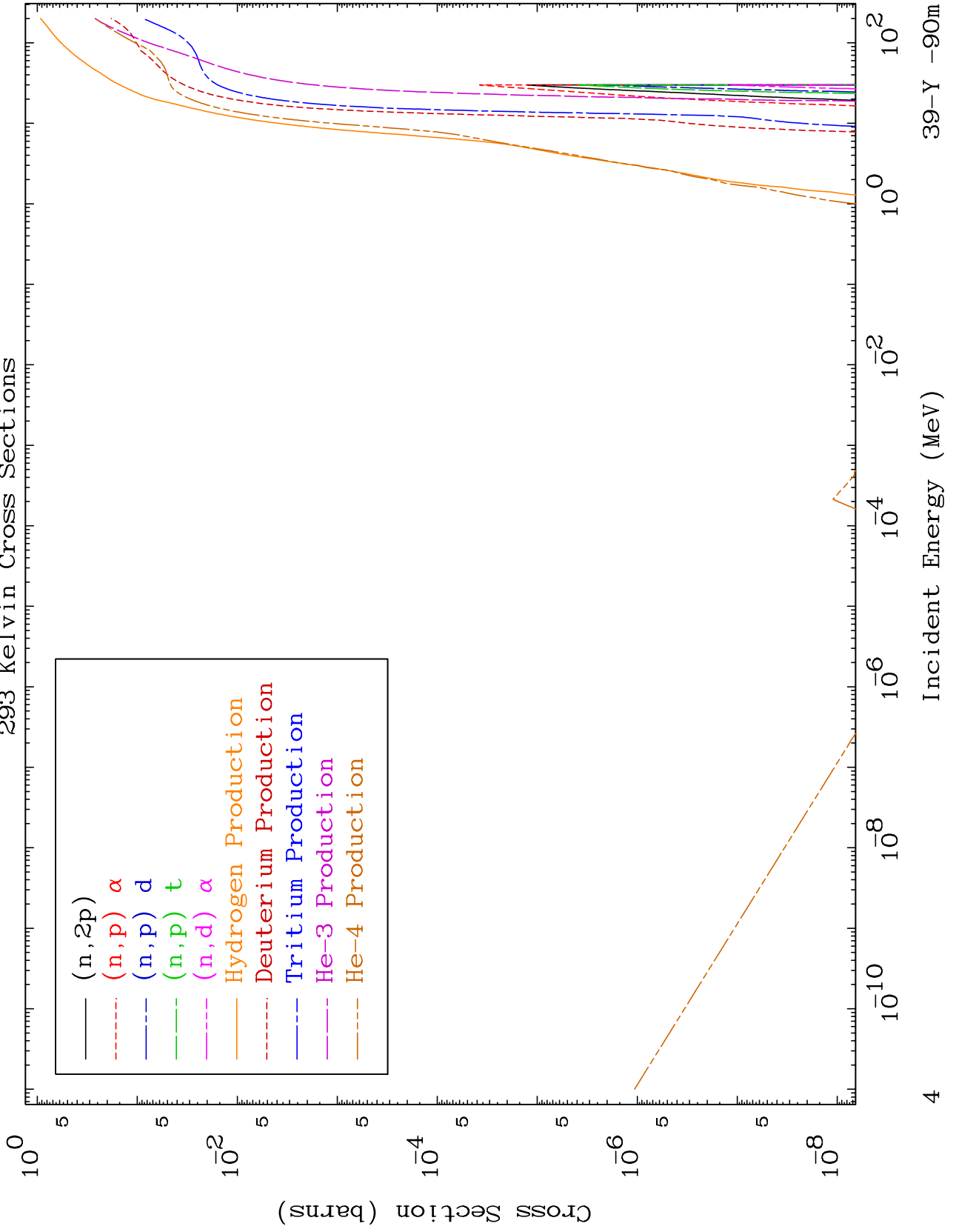
39-Y -90m



MAT 3929

Neutron Absorption  
293 Kelvin Cross Sections

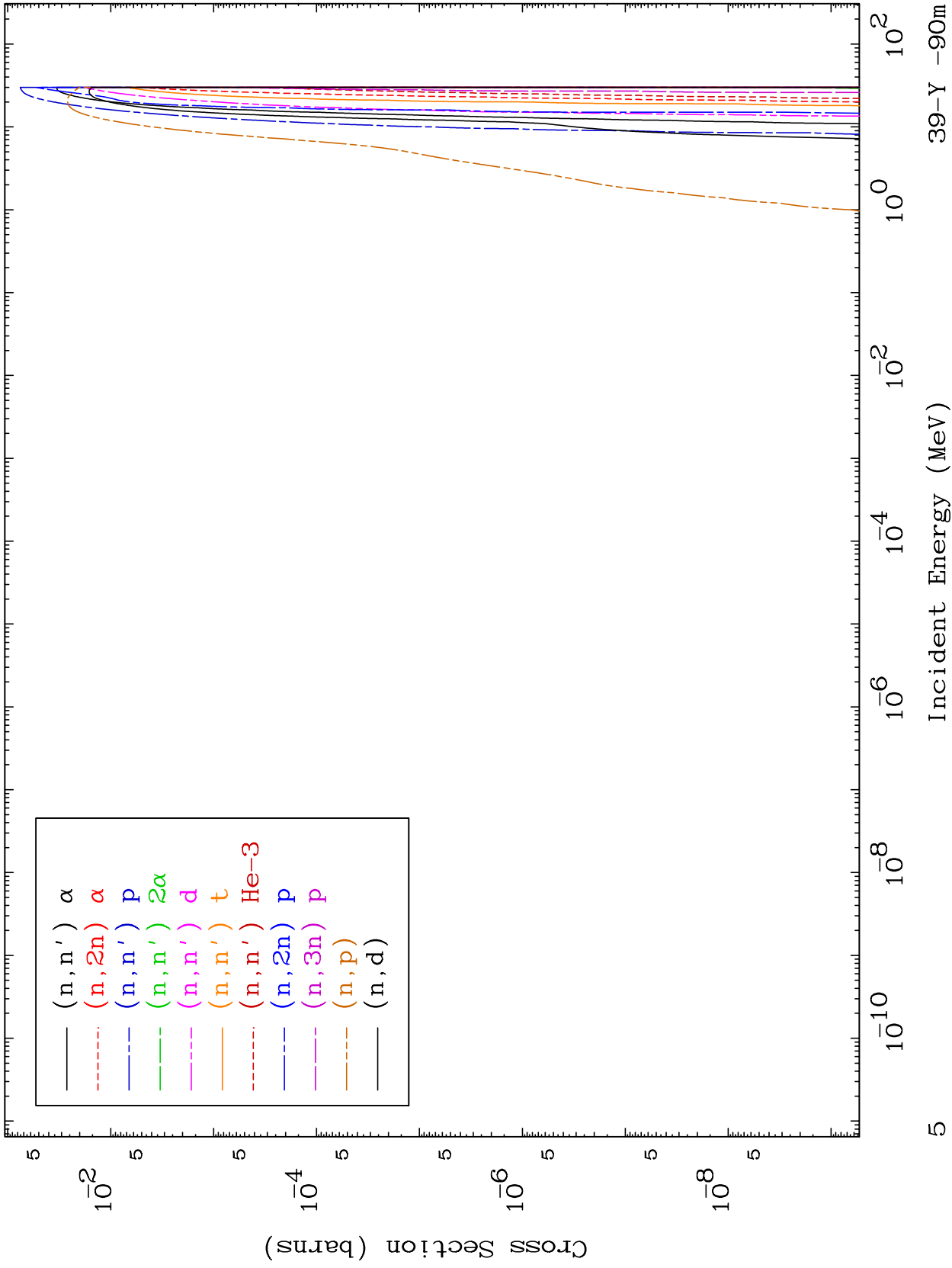
39-Y -90m



MAT 3929

Charged Particle  
293 Kelvin Cross Sections

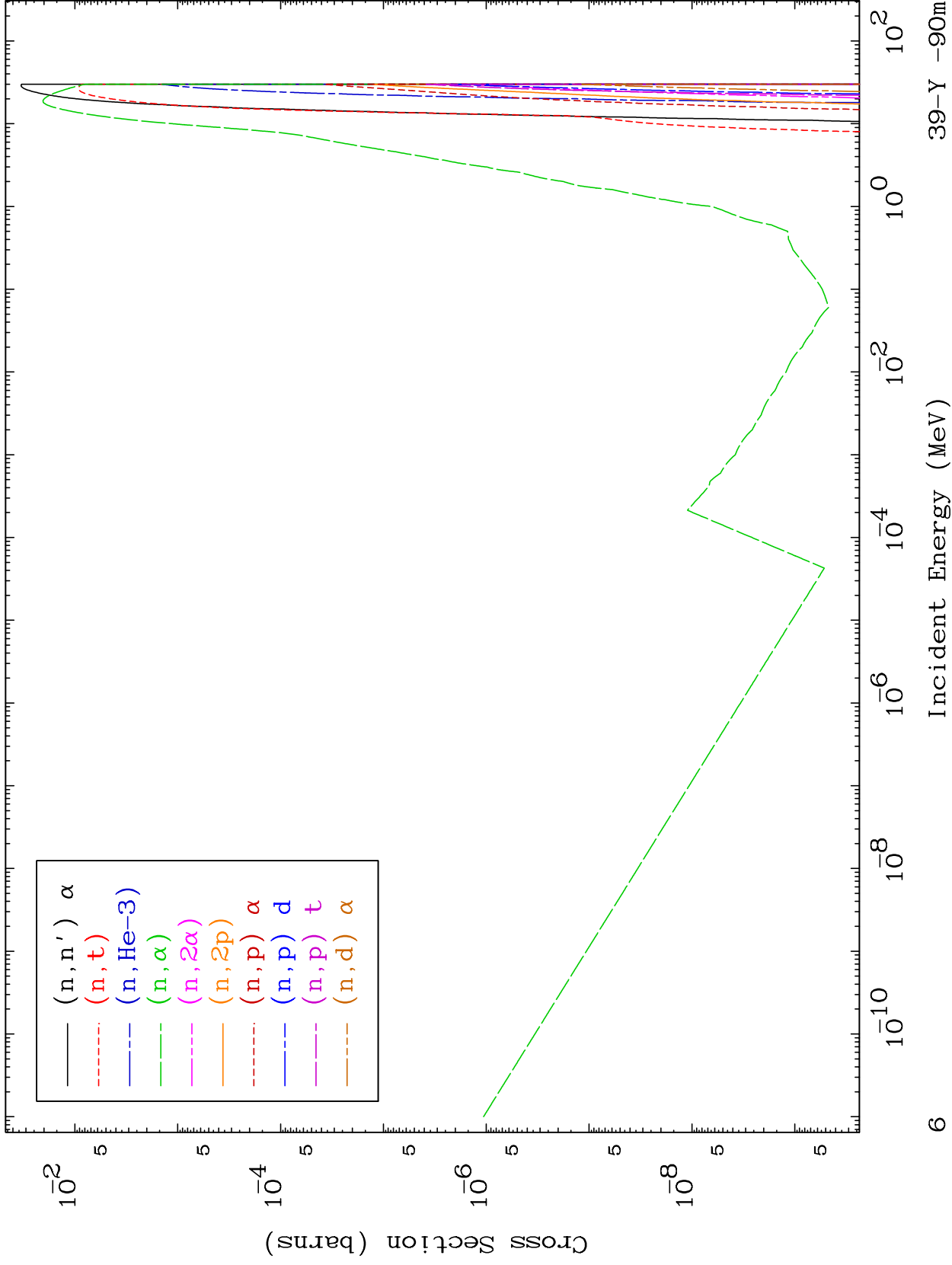
39-Y -90m



MAT 3929

Charged Particle  
293 Kelvin Cross Sections

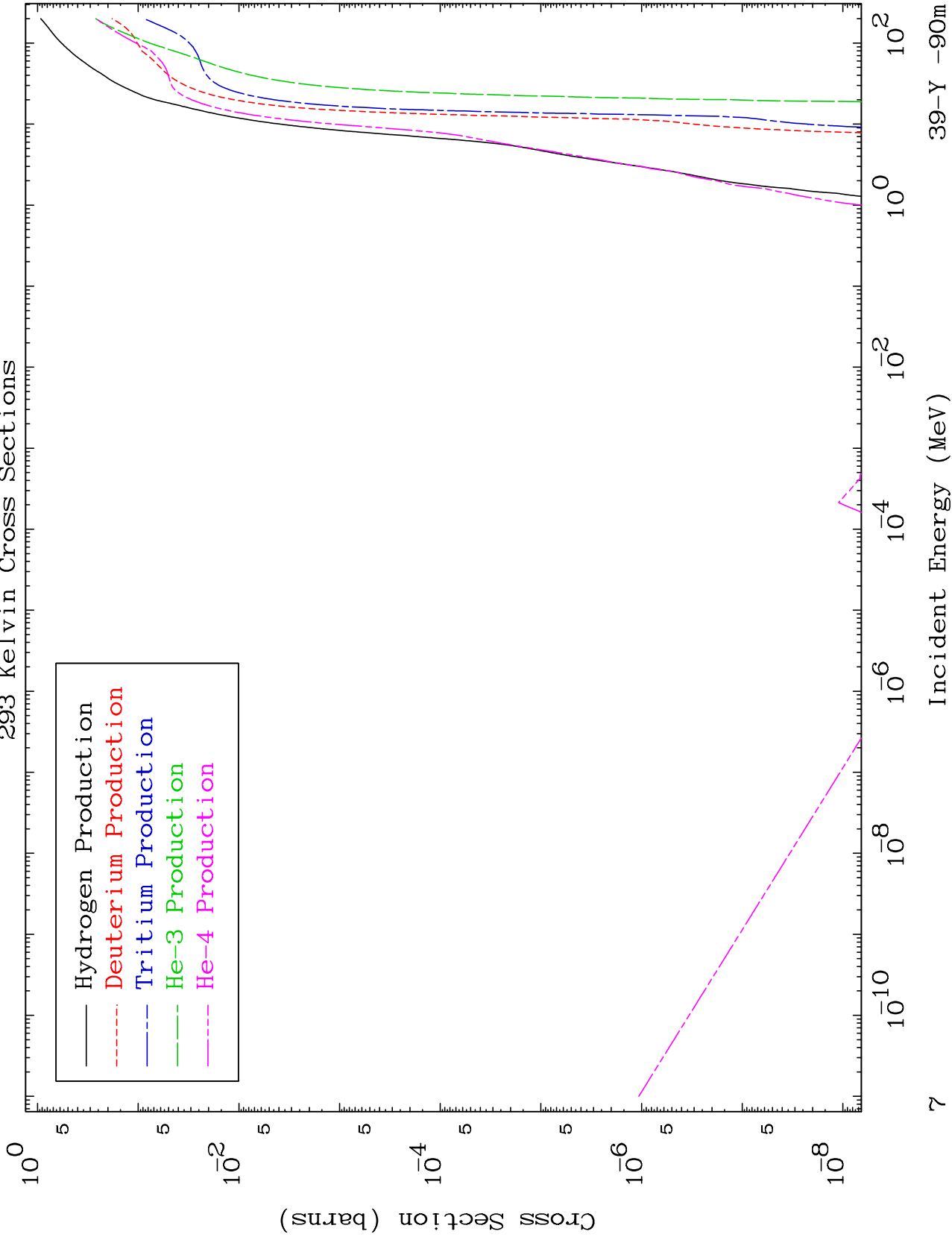
39-Y -90m



MAT 3929

Particle Production  
293 Kelvin Cross Sections

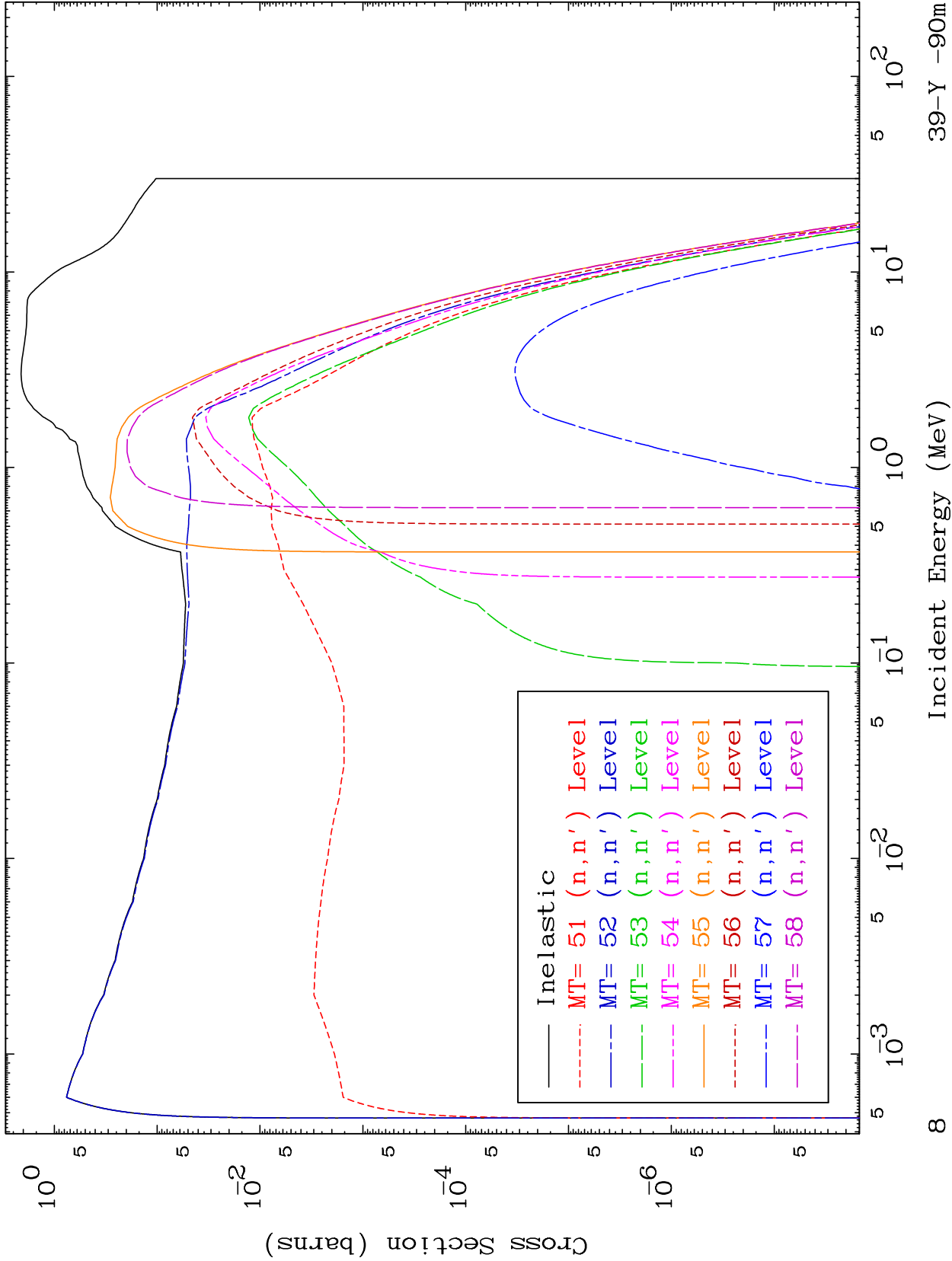
39-Y -90m



MAT 3929

(n,n') Levels  
293 Kelvin Cross Sections

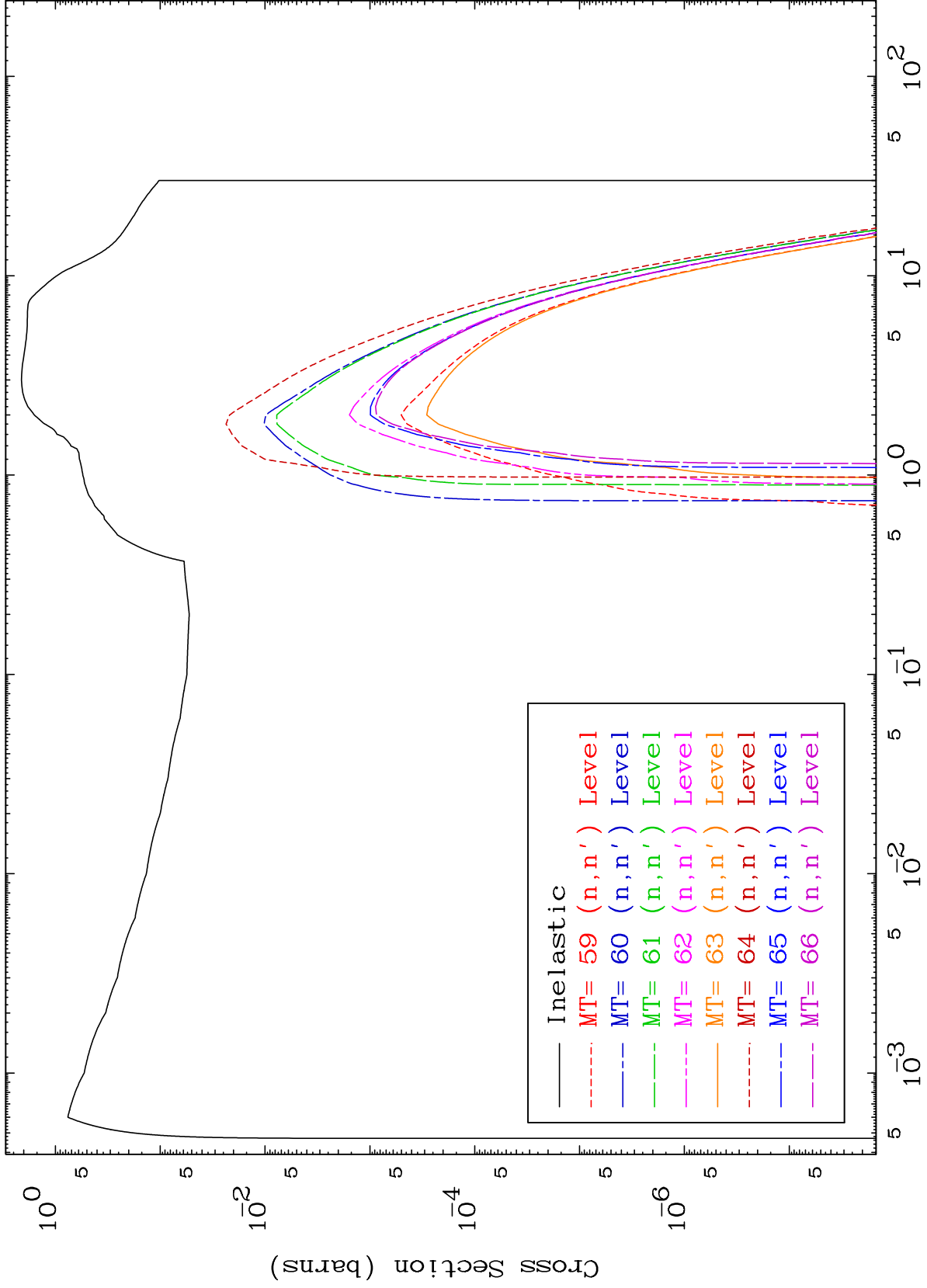
39-Y -90m



MAT 3929

(n,n') Levels  
293 Kelvin Cross Sections

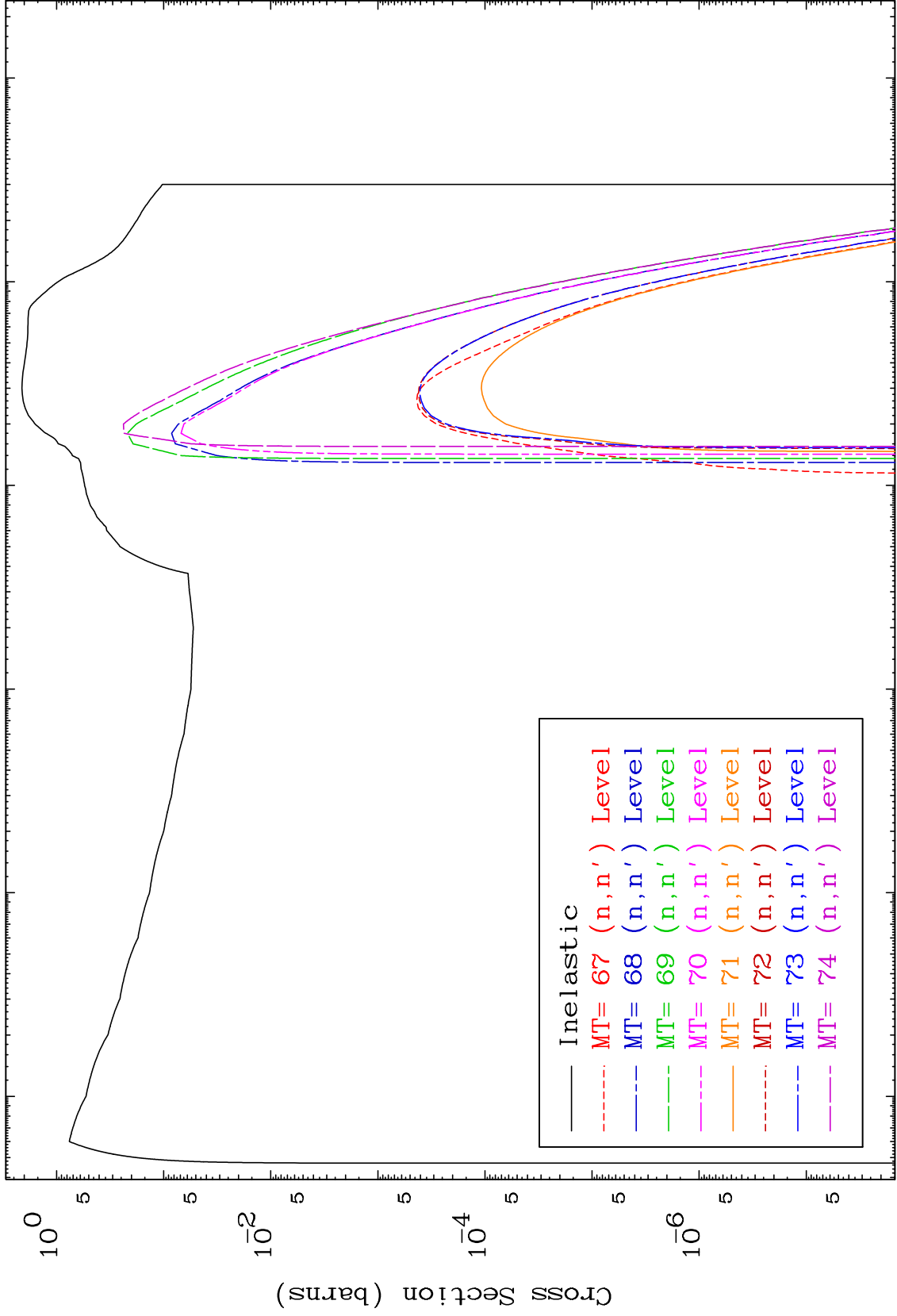
39-Y -90m



MAT 3929

(n,n') Levels  
293 Kelvin Cross Sections

39-Y -90m



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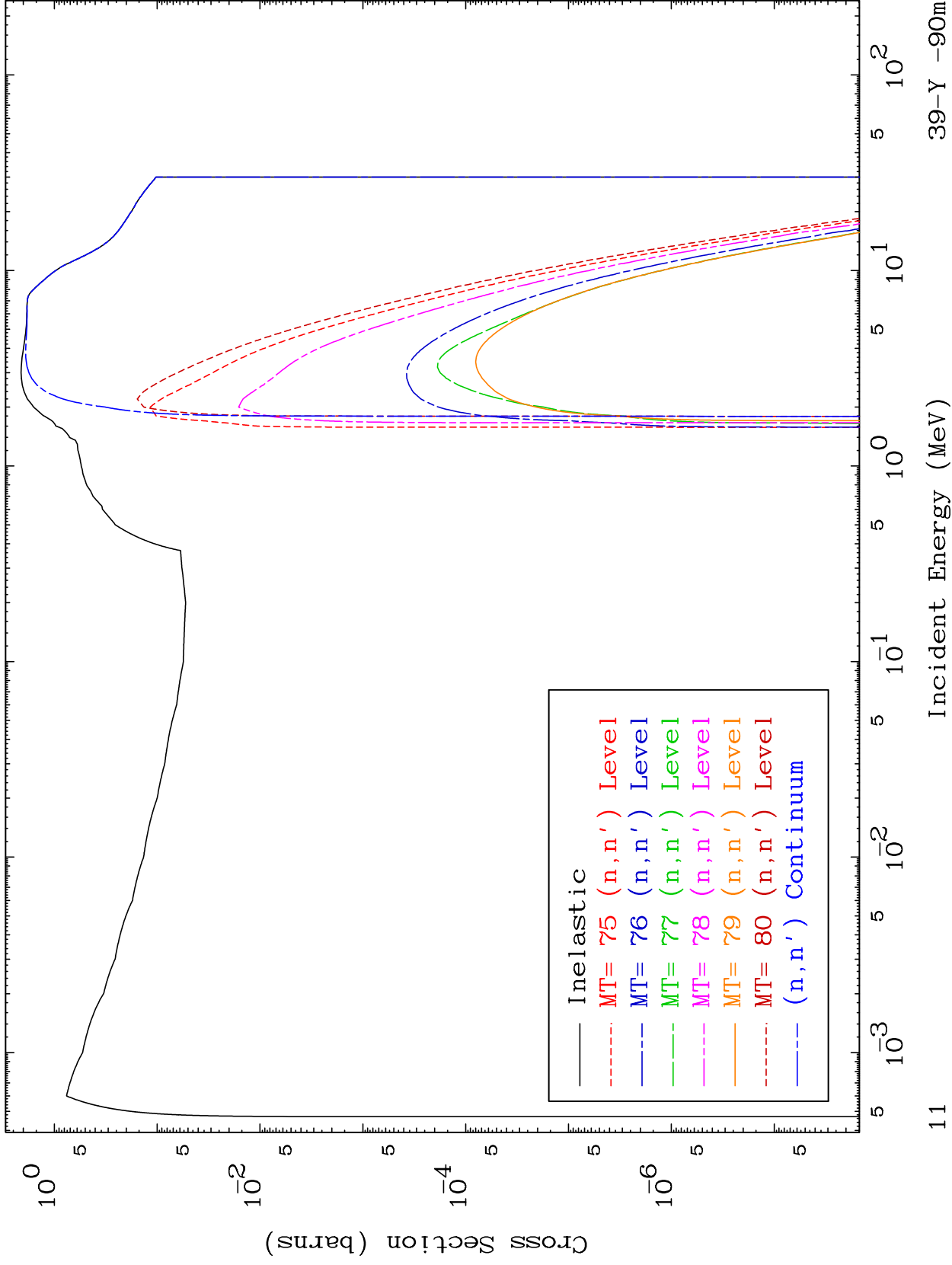
Incident Energy (MeV)

39-Y -90m

MAT 3929

(n,n') Levels  
293 Kelvin Cross Sections

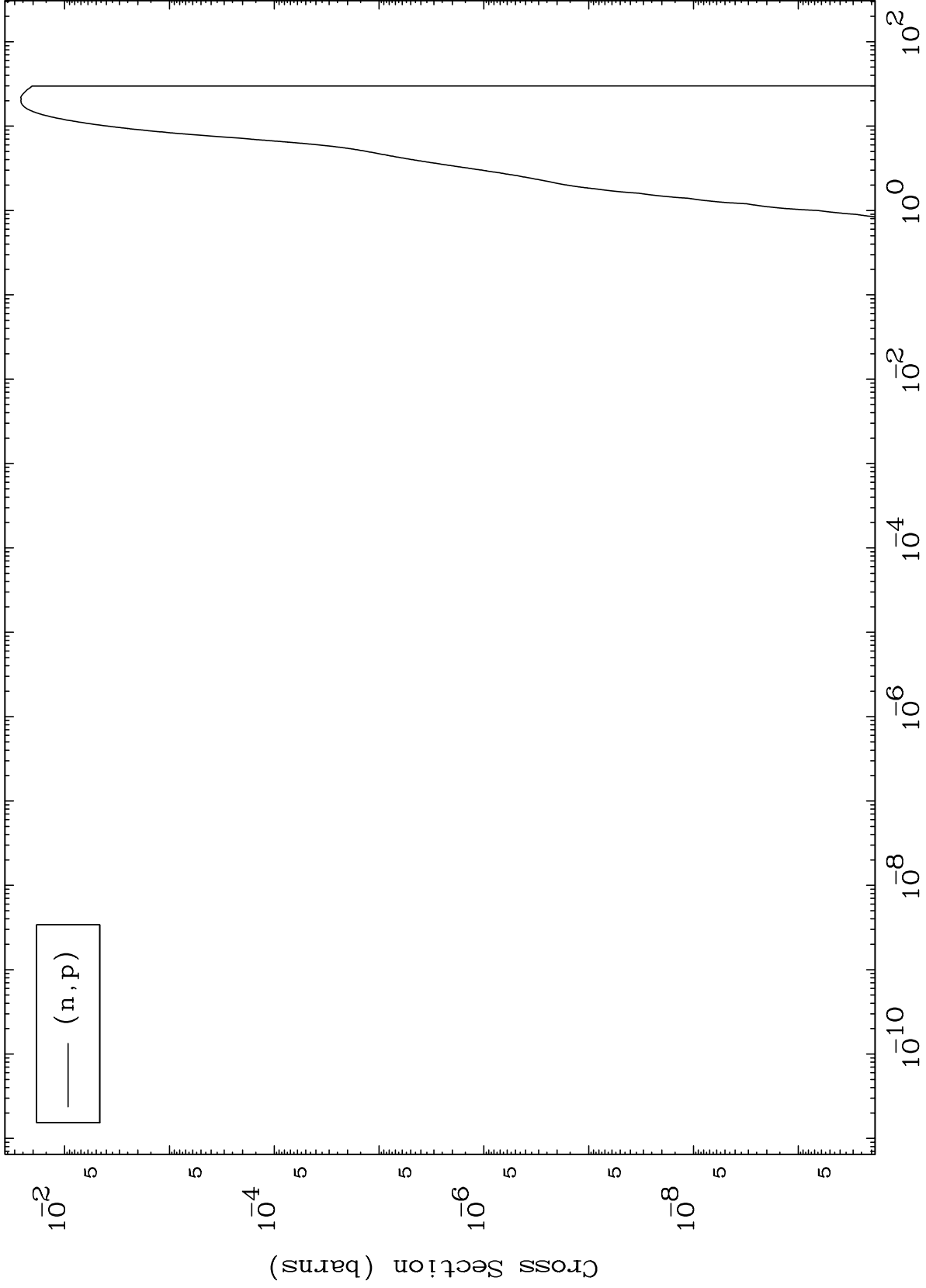
39-Y -90m



MAT 3929

(n,p) Levels  
293 Kelvin Cross Sections

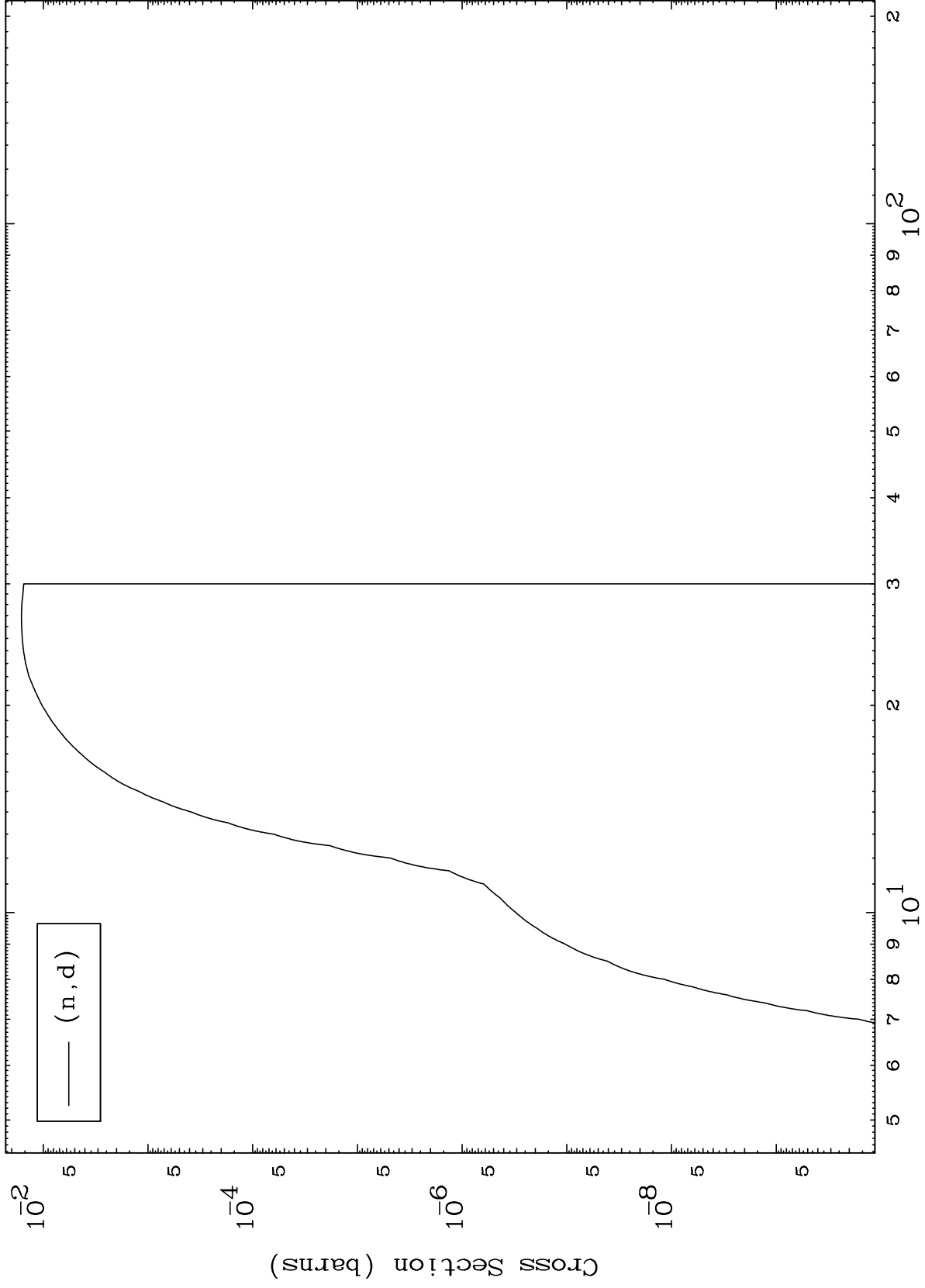
39-Y -90m



MAT 3929

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -90m



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Incident Energy (MeV)

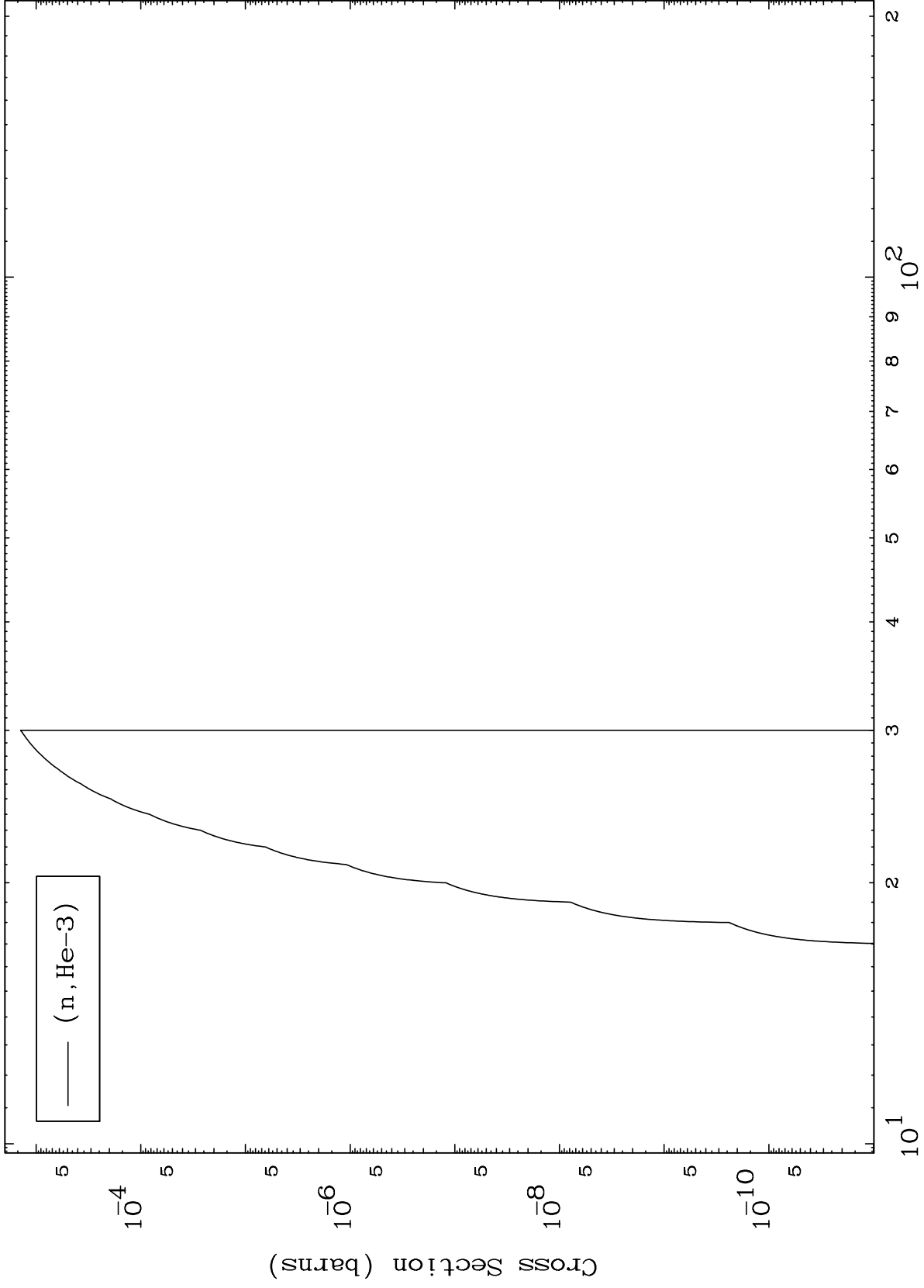
39-Y -90m



MAT 3929

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -90m



15

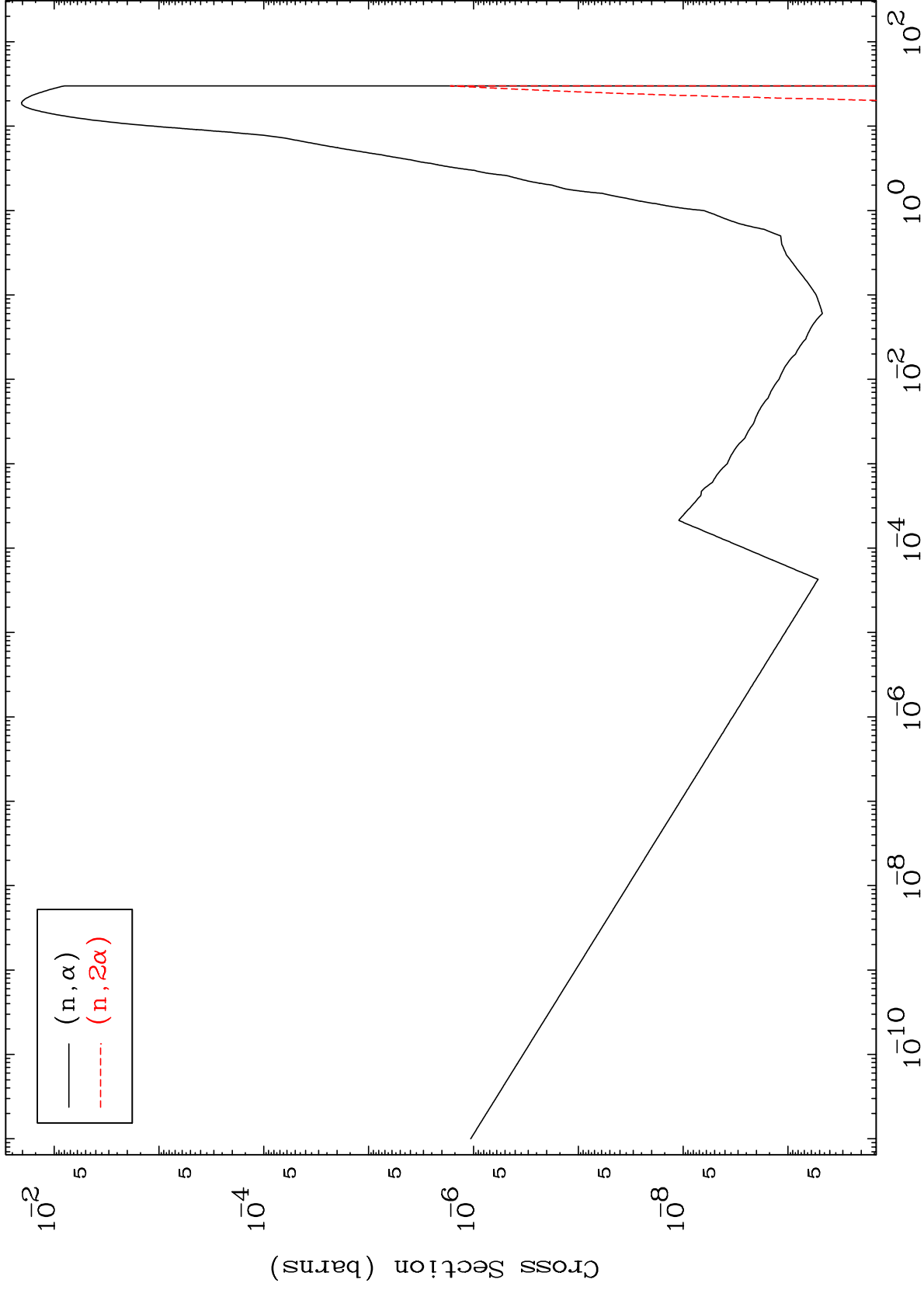
Incident Energy (MeV)

39-Y -90m

MAT 3929

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

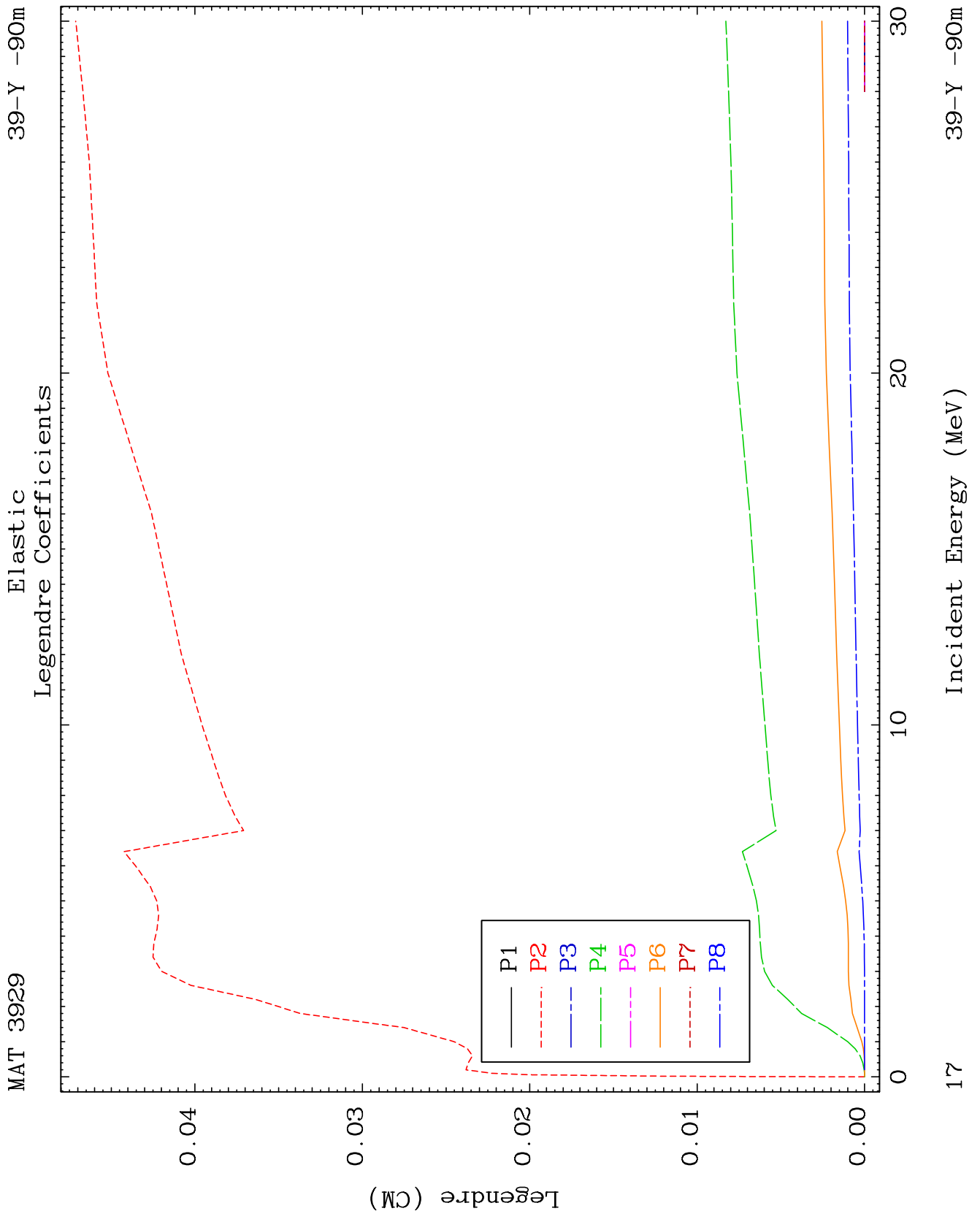
39-Y -90m



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Incident Energy (MeV)

39-Y -90m



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Elastic Legendre Coefficients

39-Y -90m

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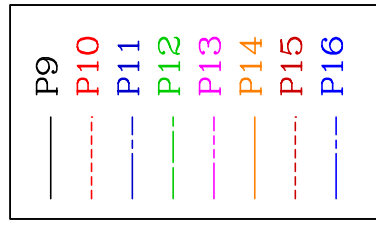
Incident Energy (MeV)

39-Y -90m

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Elastic Legendre Coefficients

39-Y -90m



$\times 10^{-4}$

Legendre (CM)



18

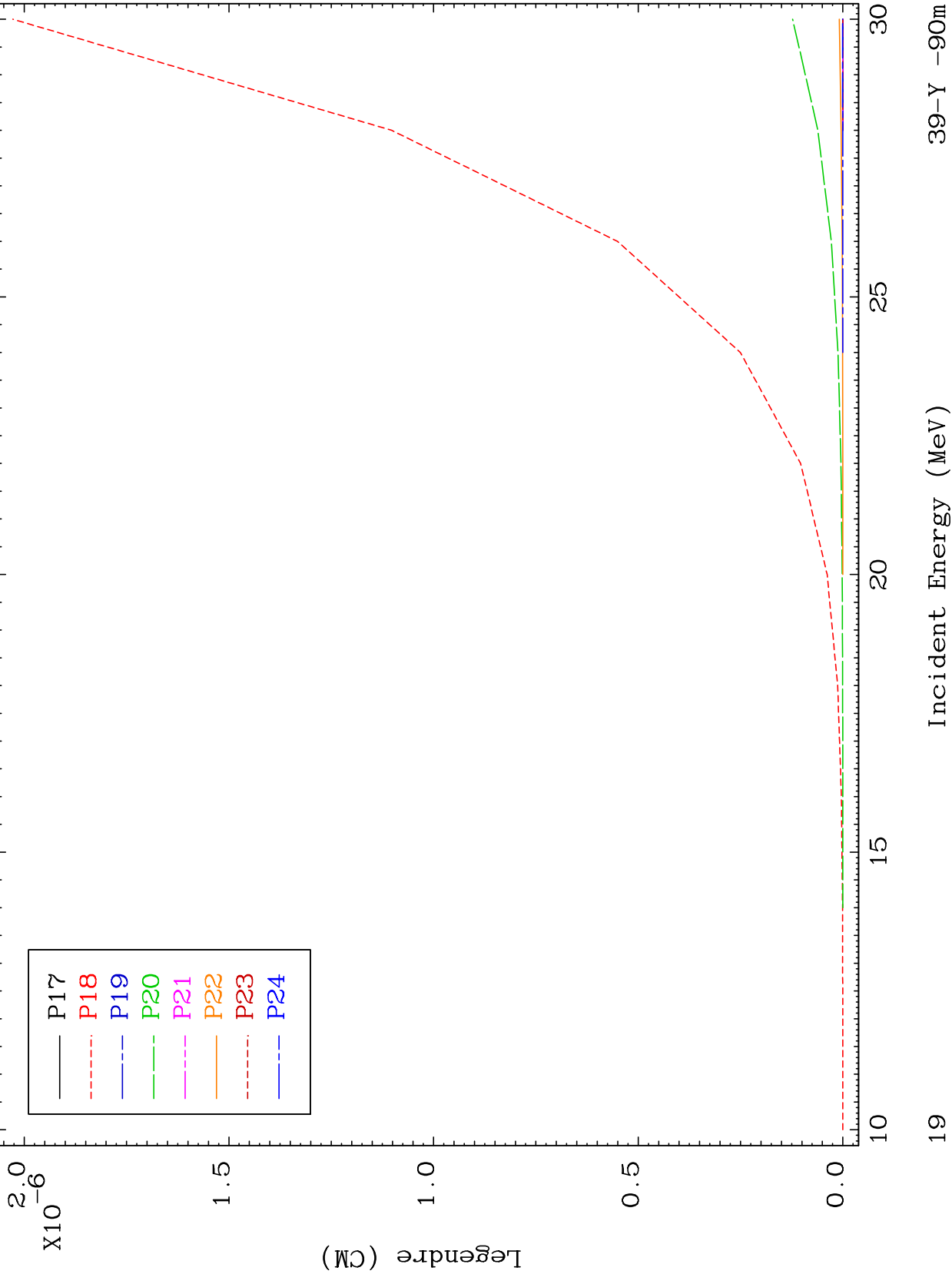
Incident Energy (MeV)

39-Y -90m

MAT 3929

### Elastic Legendre Coefficients

39-Y -90m



19

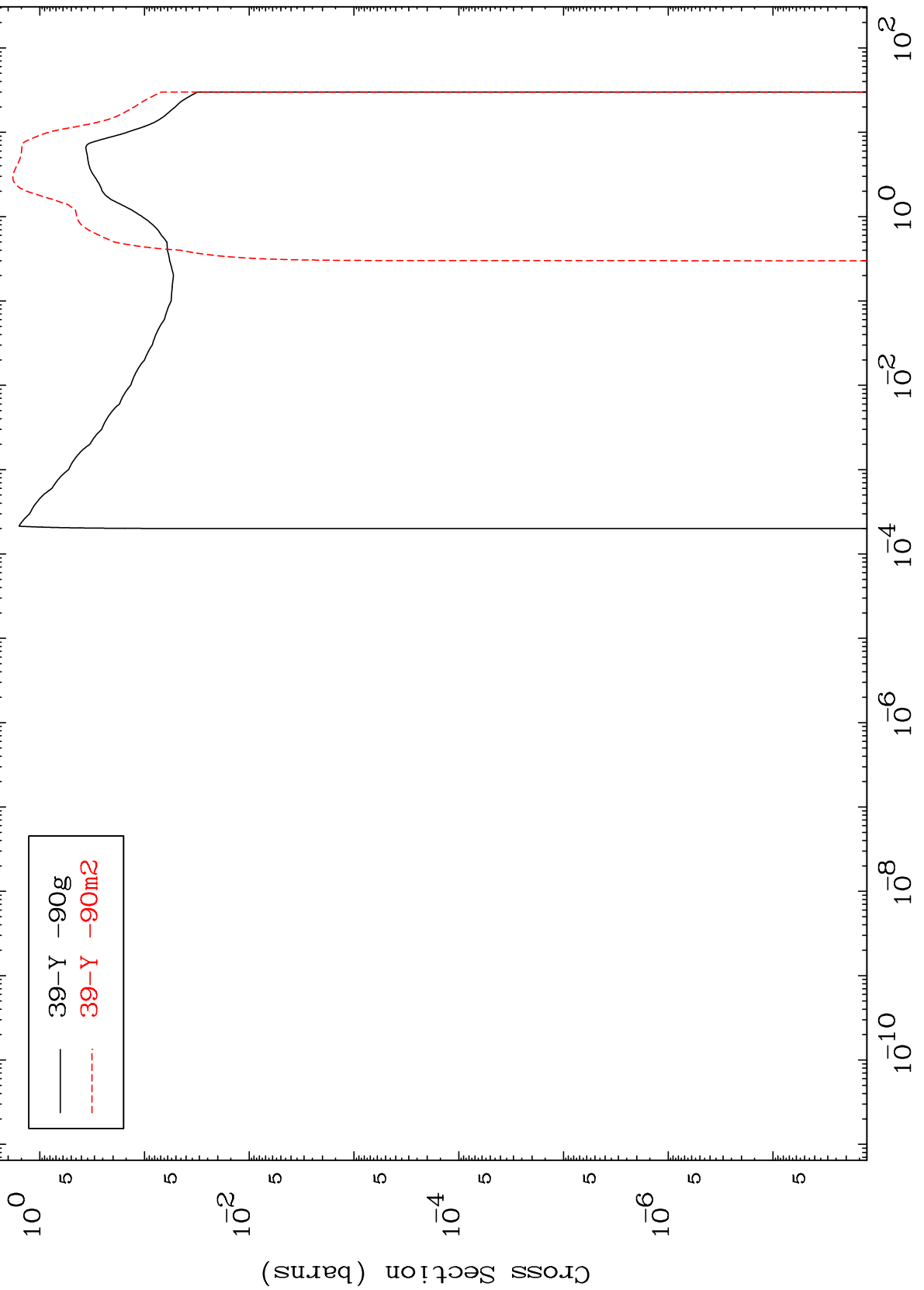
Incident Energy (MeV)

39-Y -90m

MAT 3929

39-Y -90m

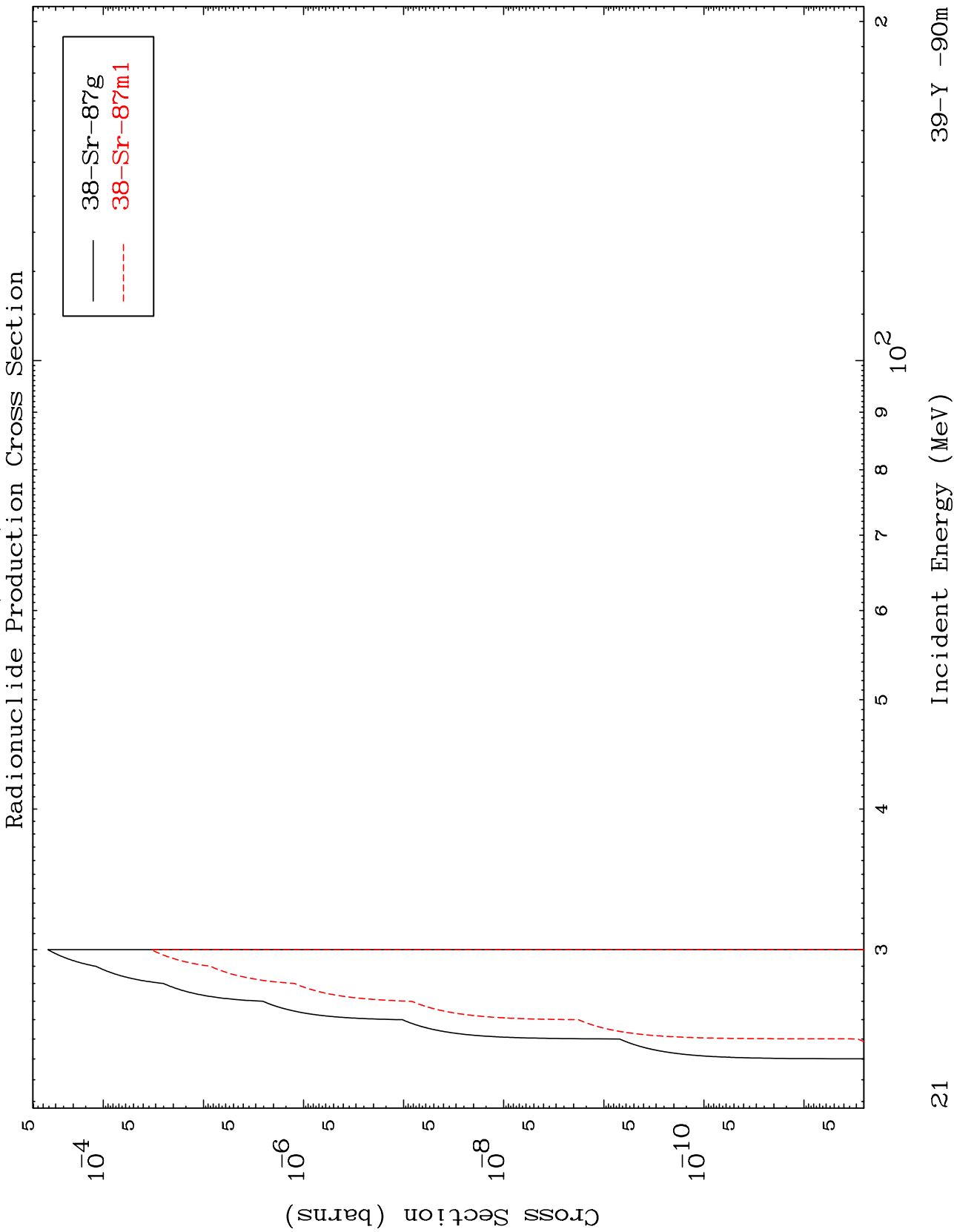
Inelastic  
Radionuclide Production Cross Section



MAT 3929

(n,2n) d

39-Y -90m



21

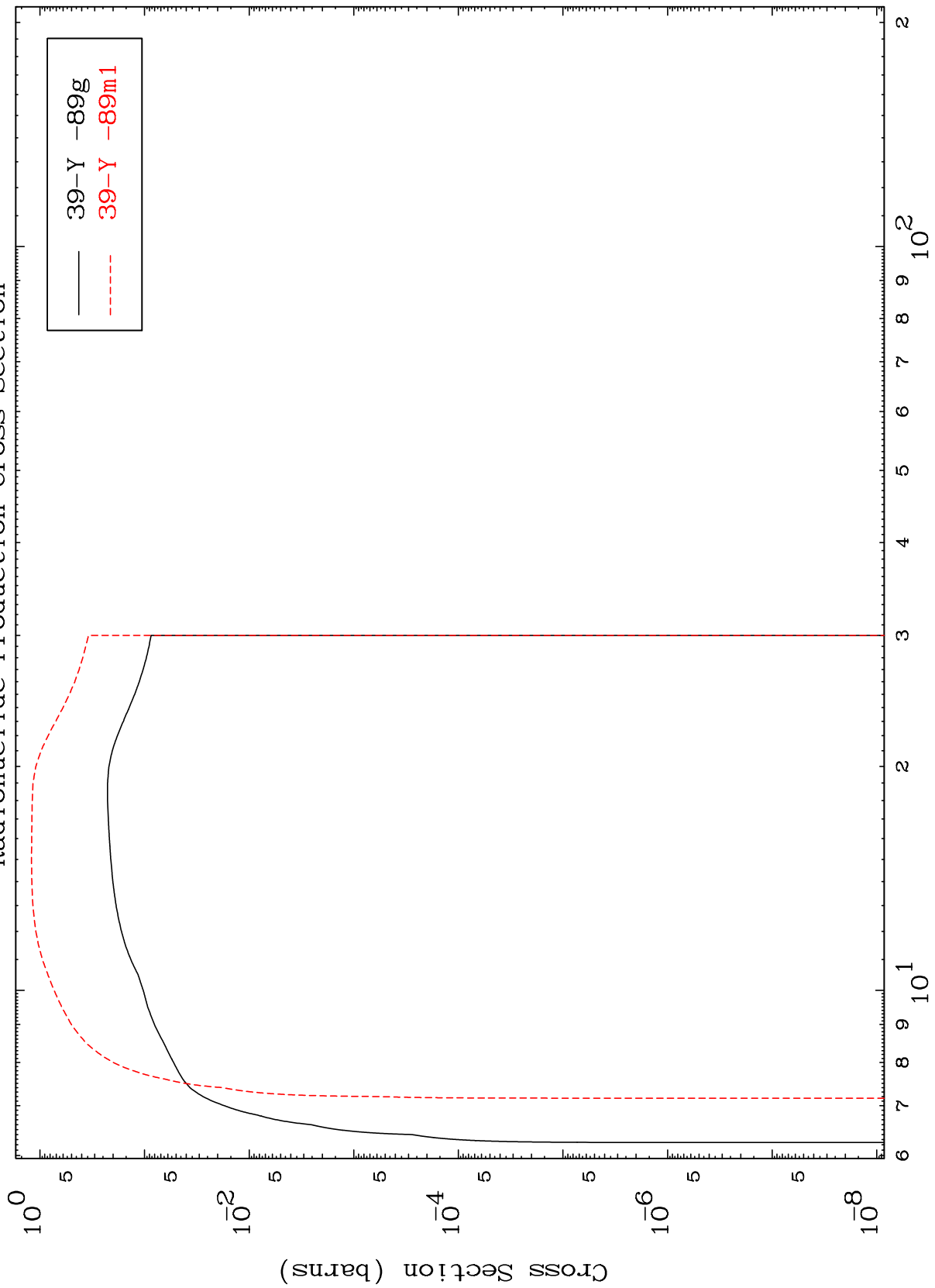
Incident Energy (MeV)

39-Y -90m

MAT 3929

39-Y -90m

(n,2n)  
Radionuclide Production Cross Section



— 39-Y -89g  
- - - 39-Y -89m1

39-Y -90m

Incident Energy (MeV)

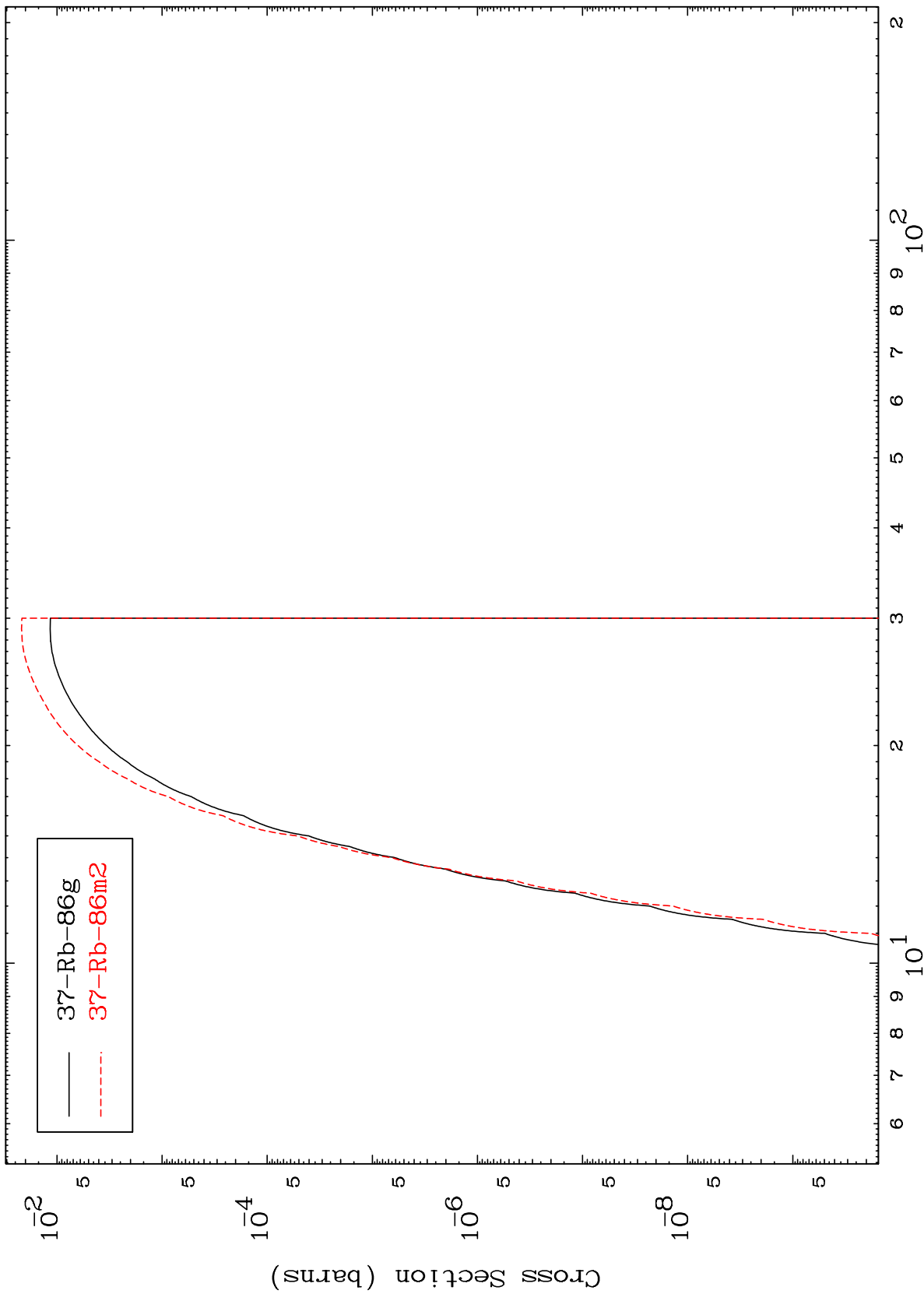
22

MAT 3929

39-Y -90m

(n,n')  $\alpha$

Radionuclide Production Cross Section



23

Incident Energy (MeV)

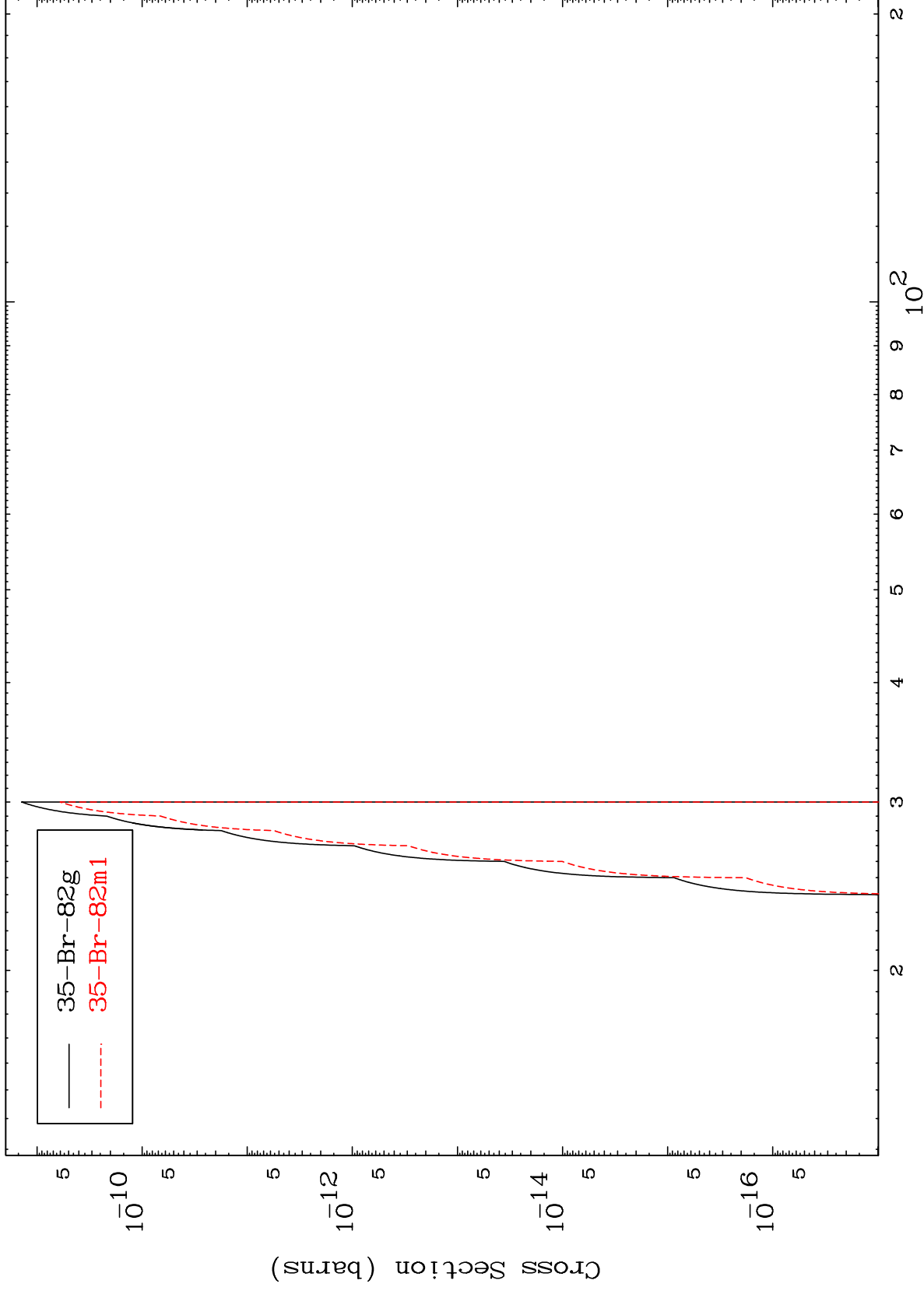
39-Y -90m

MAT 3929

(n,n') 2α

39-Y -90m

Radionuclide Production Cross Section

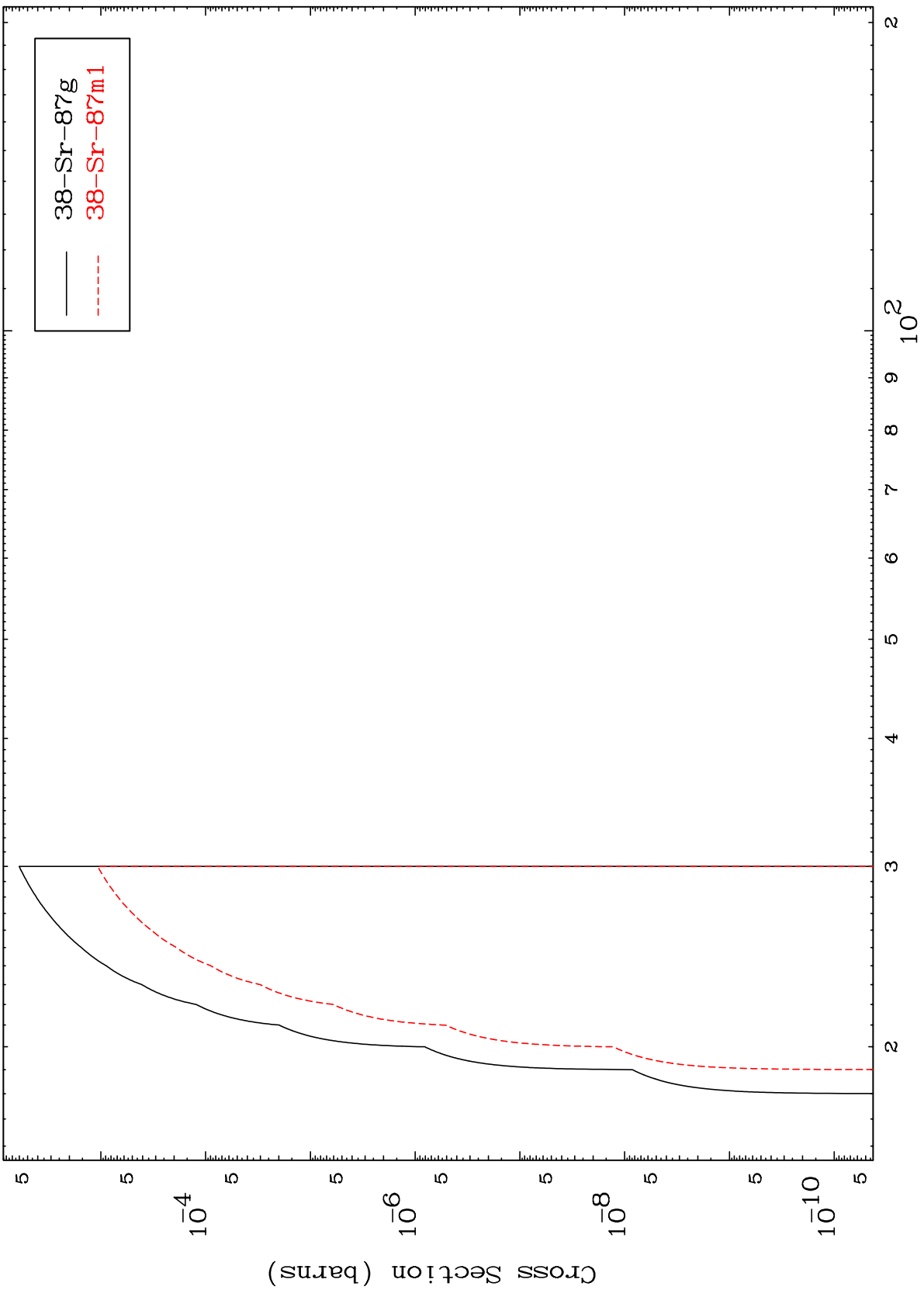


24

Incident Energy (MeV)

39-Y -90m

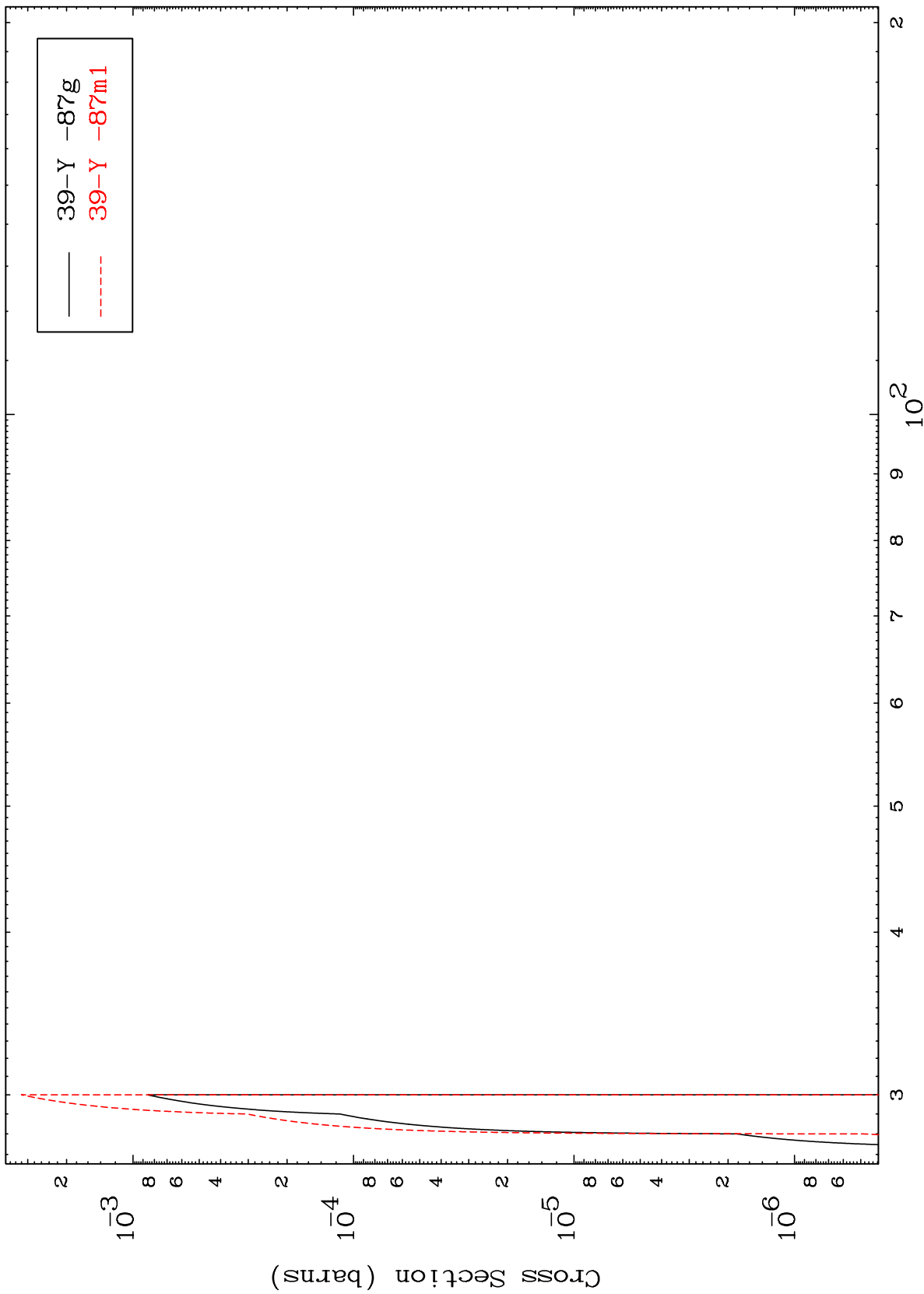
Radionuclide Production Cross Section



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39-Y -90m

(n,4n)  
Radionuclide Production Cross Section



26

39-Y -90m

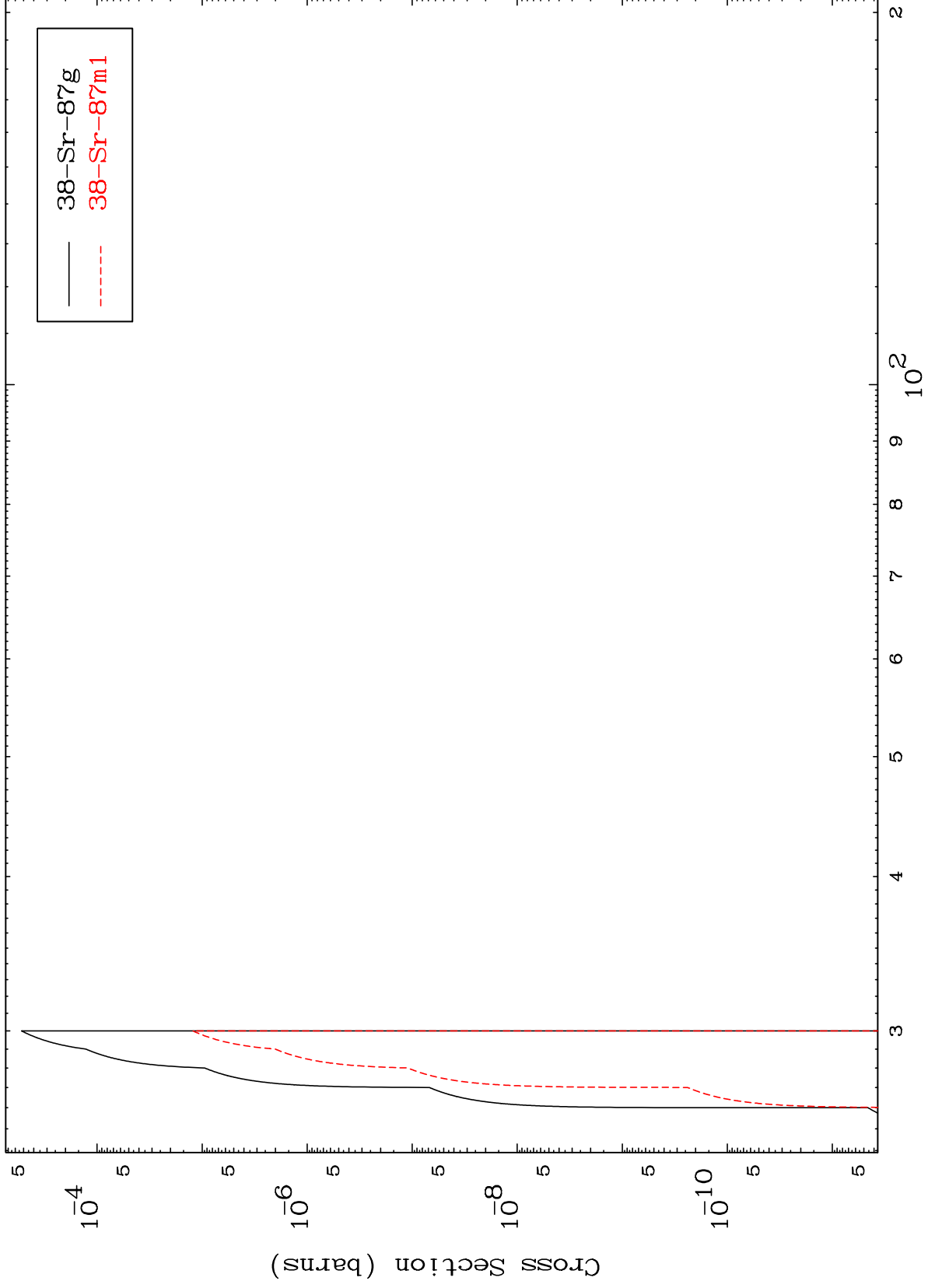
Incident Energy (MeV)

MAT 3929

(n,3n) p

39-Y -90m

Radionuclide Production Cross Section



27

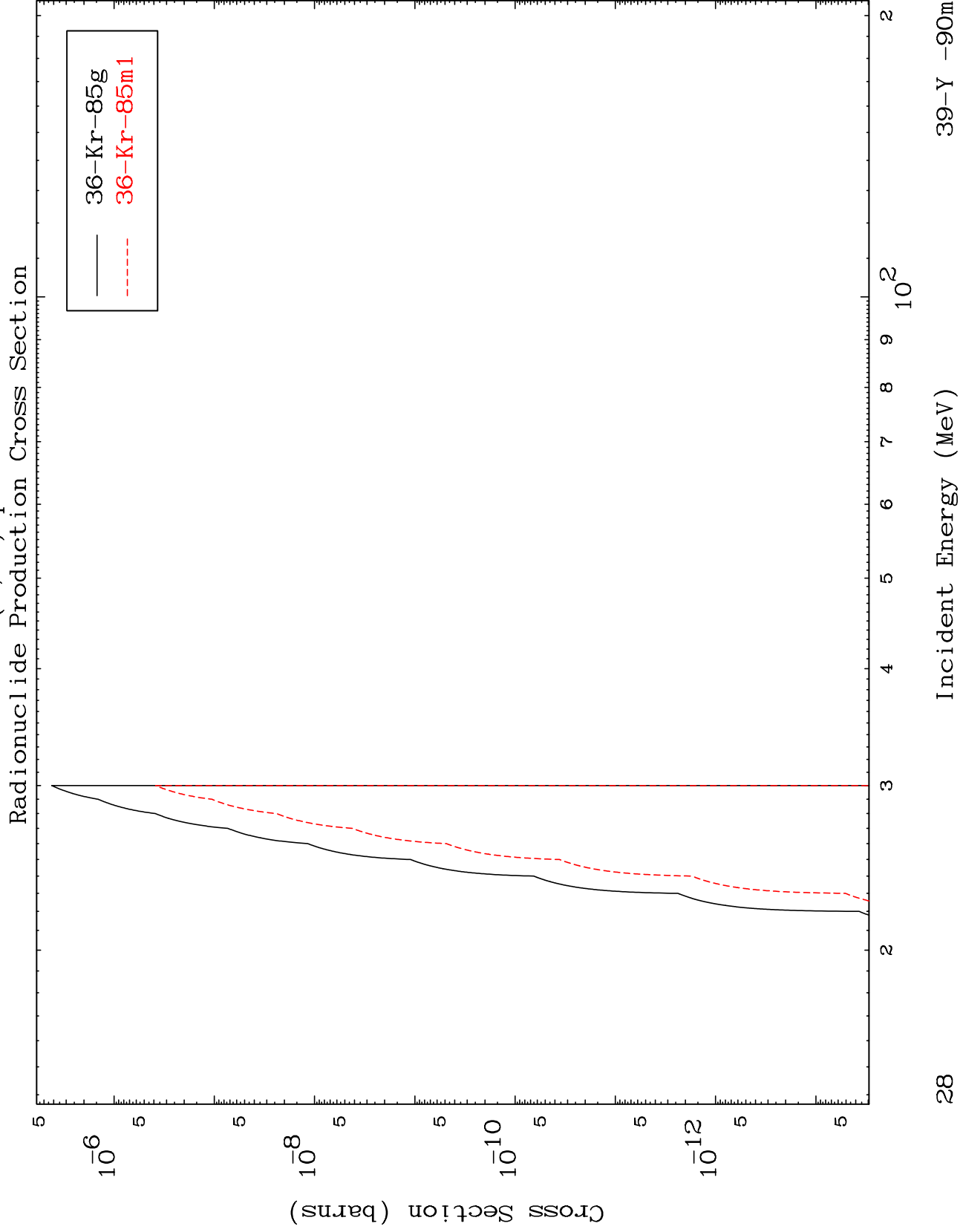
Incident Energy (MeV)

39-Y -90m

MAT 3929

(n,n') p  $\alpha$

39-Y -90m



28

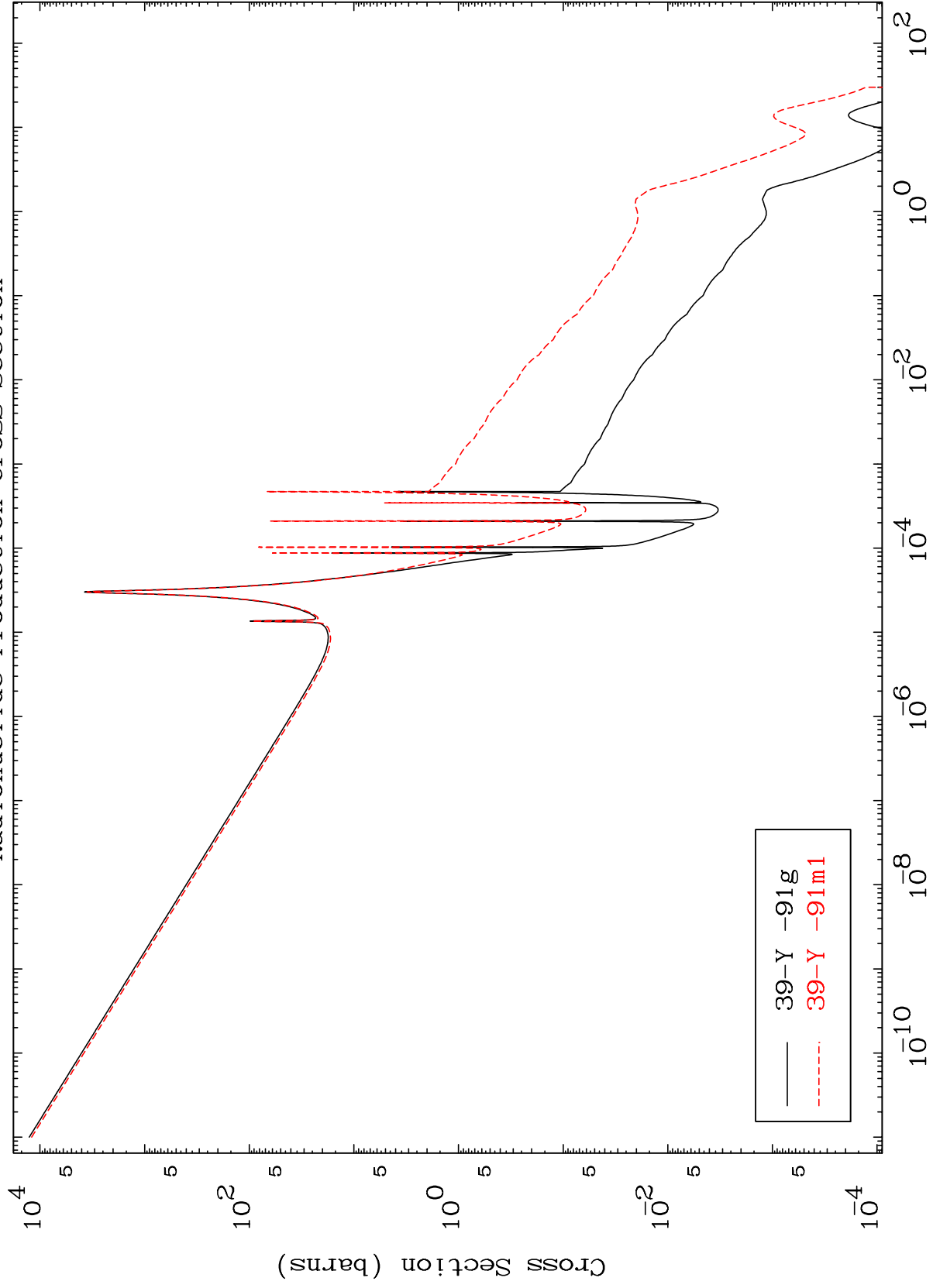
39-Y -90m

MAT 3929

39-Y -90m

Radionuclide Production Cross Section

(n,γ)



39-Y -90m

Incident Energy (MeV)

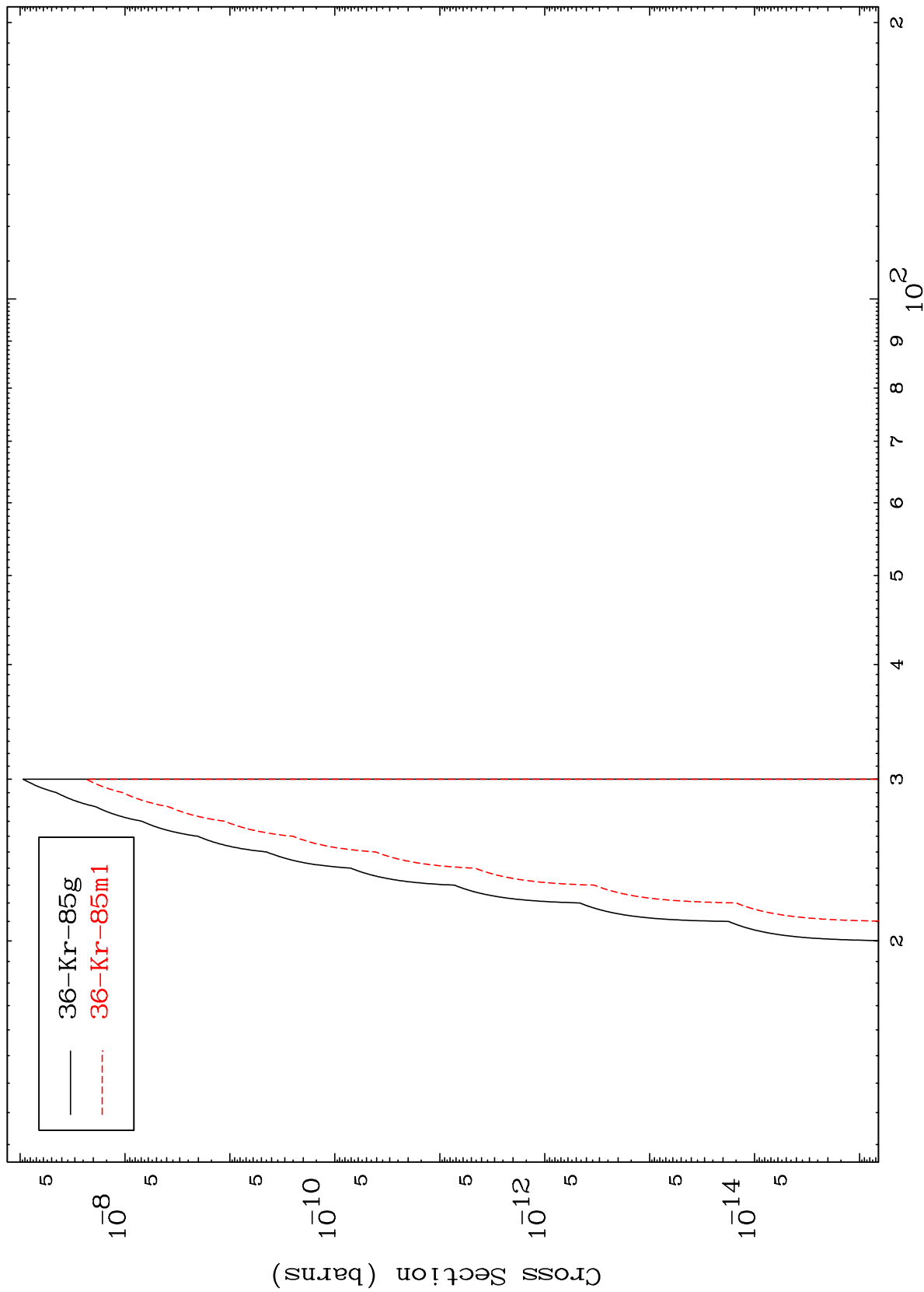
29

MAT 3929

39-Y -90m

(n,d)  $\alpha$

Radionuclide Production Cross Section



30

Incident Energy (MeV)

39-Y -90m