

Program EVALPLOT  
(Version 2021-1)

by

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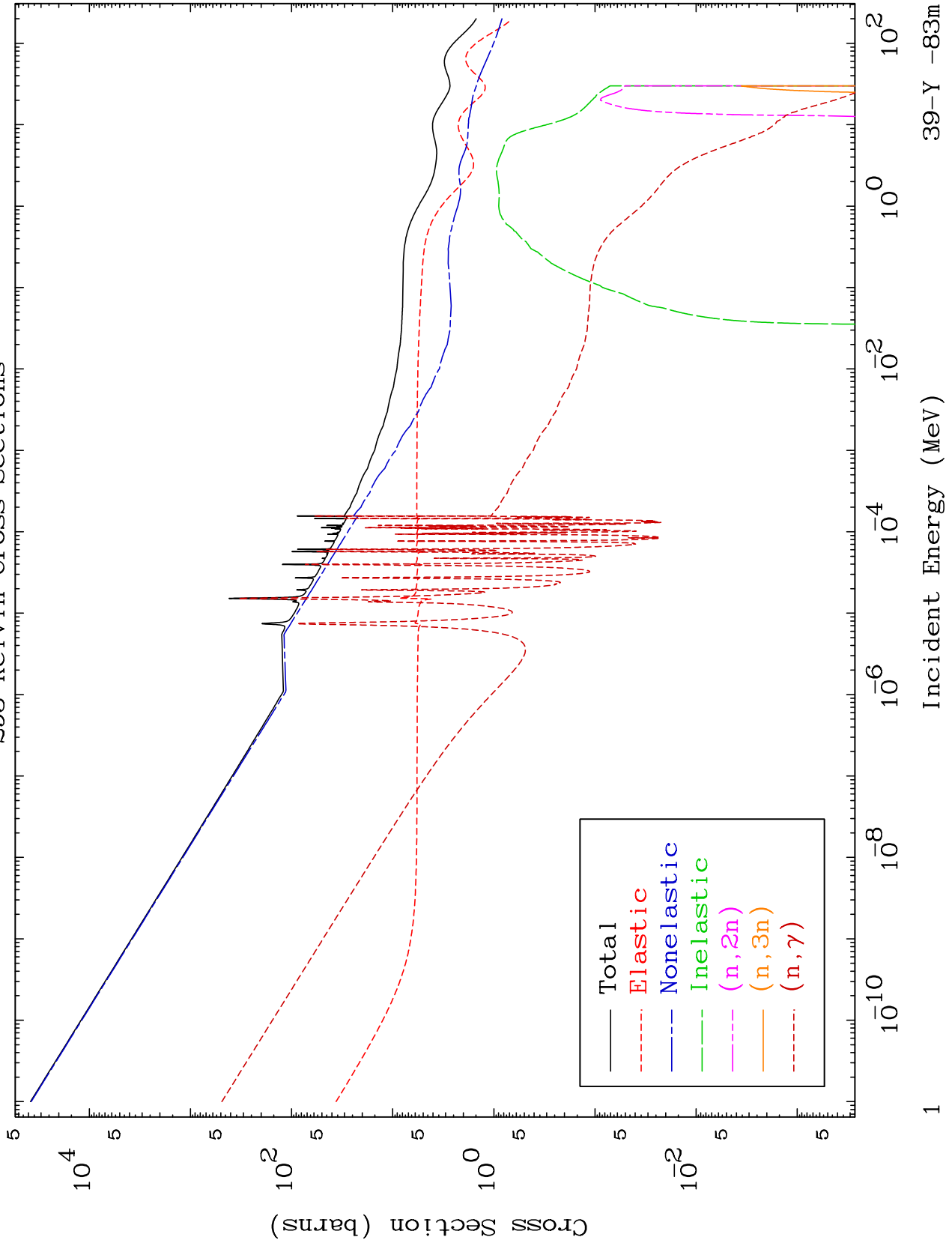
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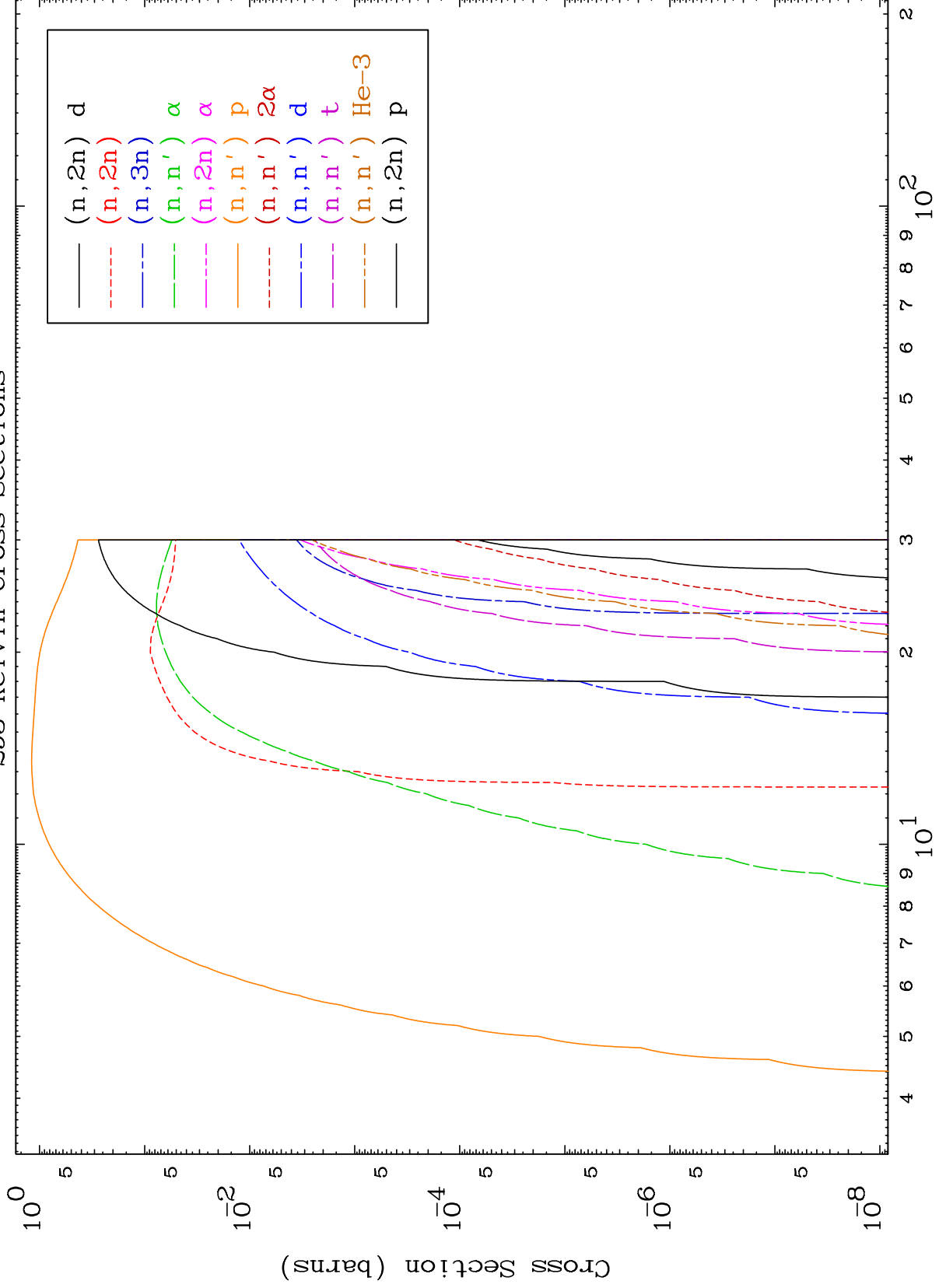
Press Mouse Button to Start

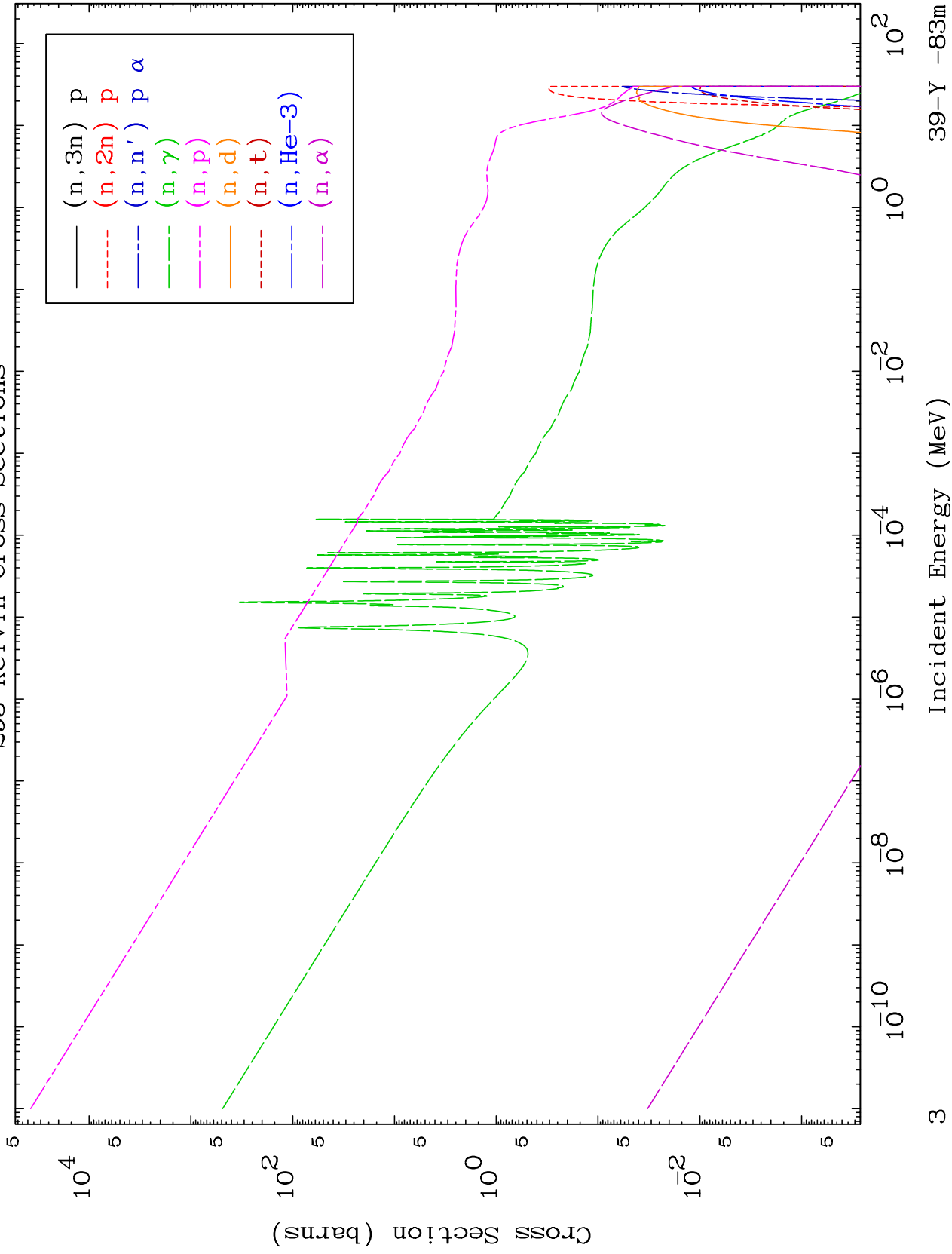
MAT 3908

Neutron Major  
293 Kelvin Cross Sections

39-Y -83m



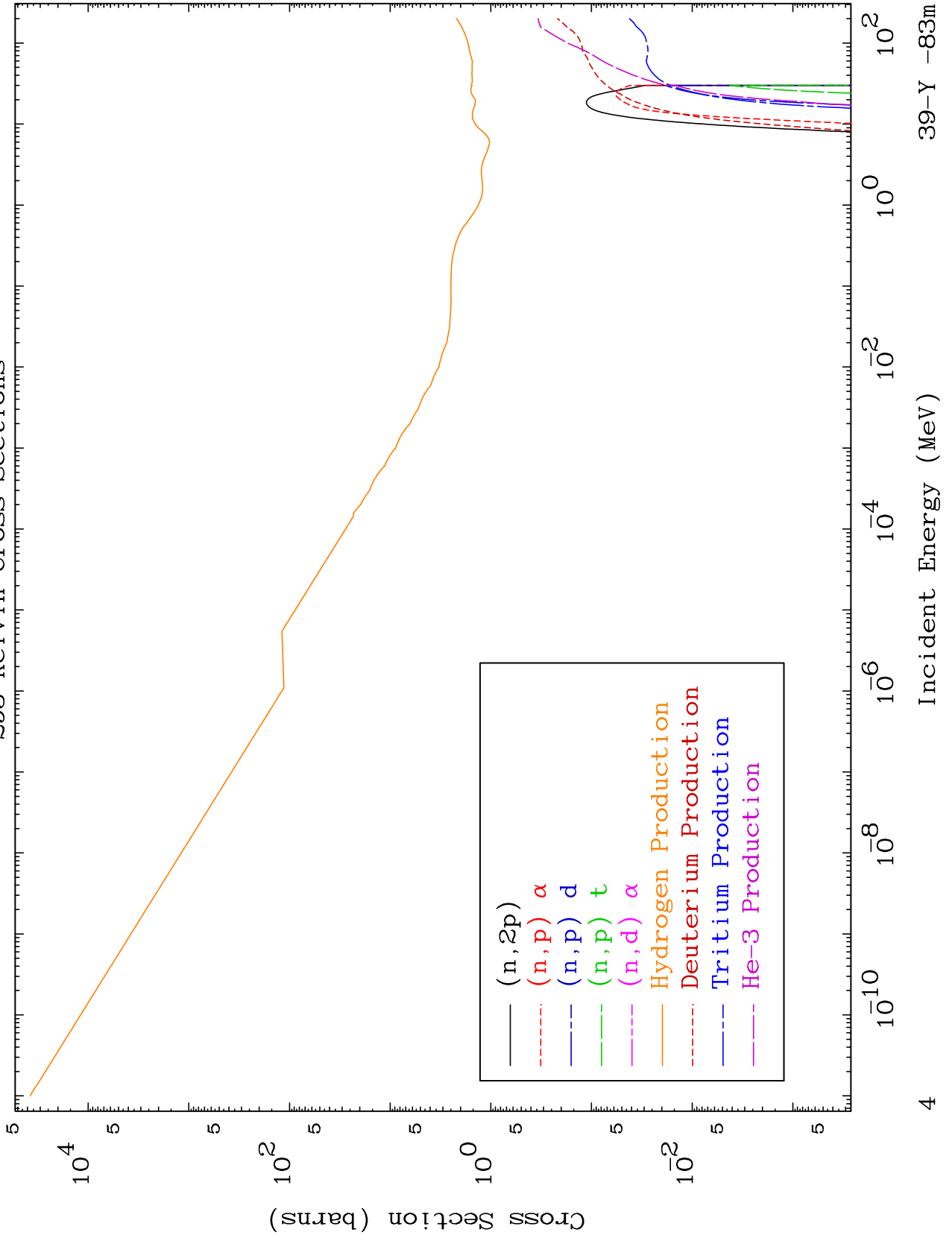




MAT 3908

Neutron Absorption  
293 Kelvin Cross Sections

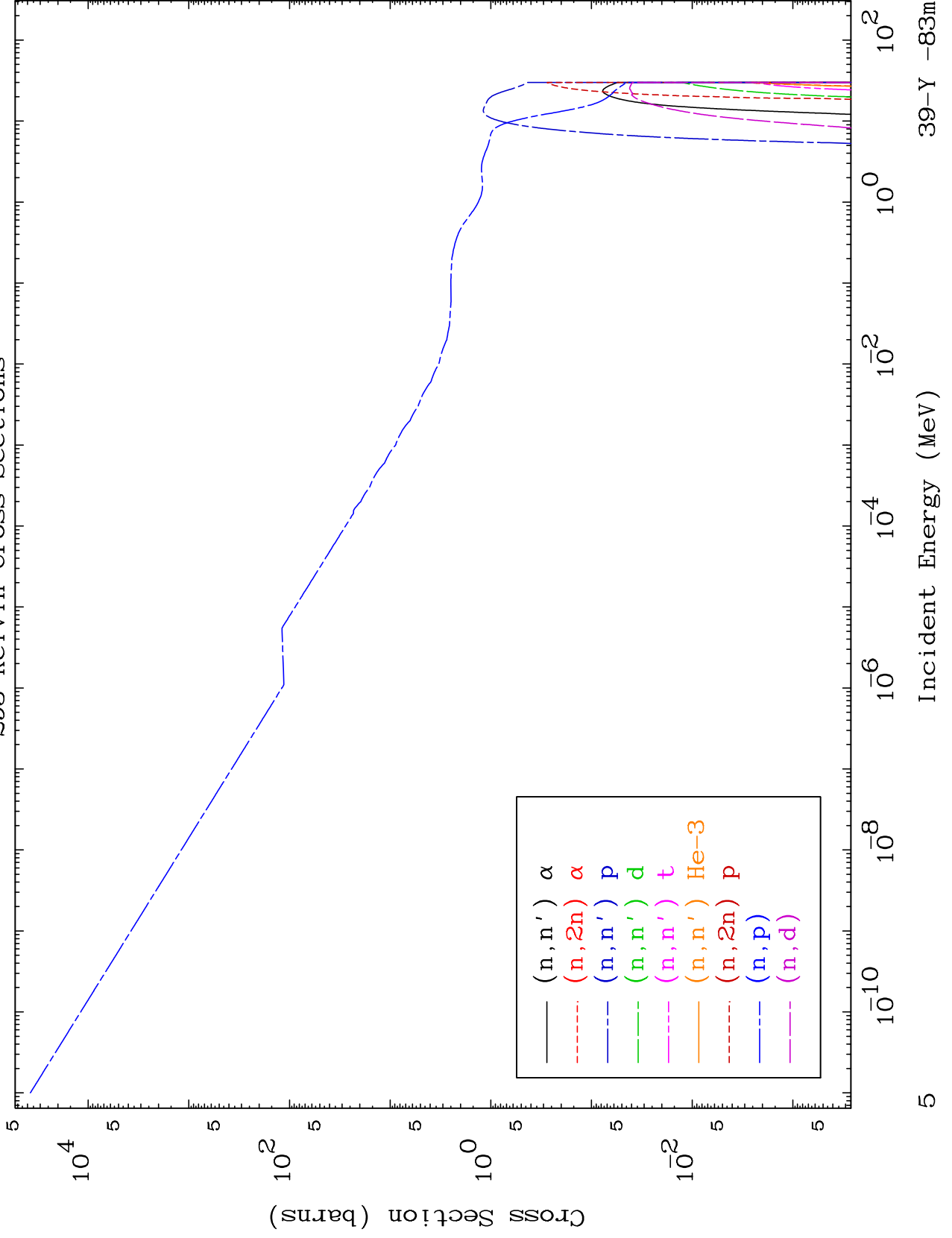
39-Y -83m



MAT 3908

Charged Particle  
293 Kelvin Cross Sections

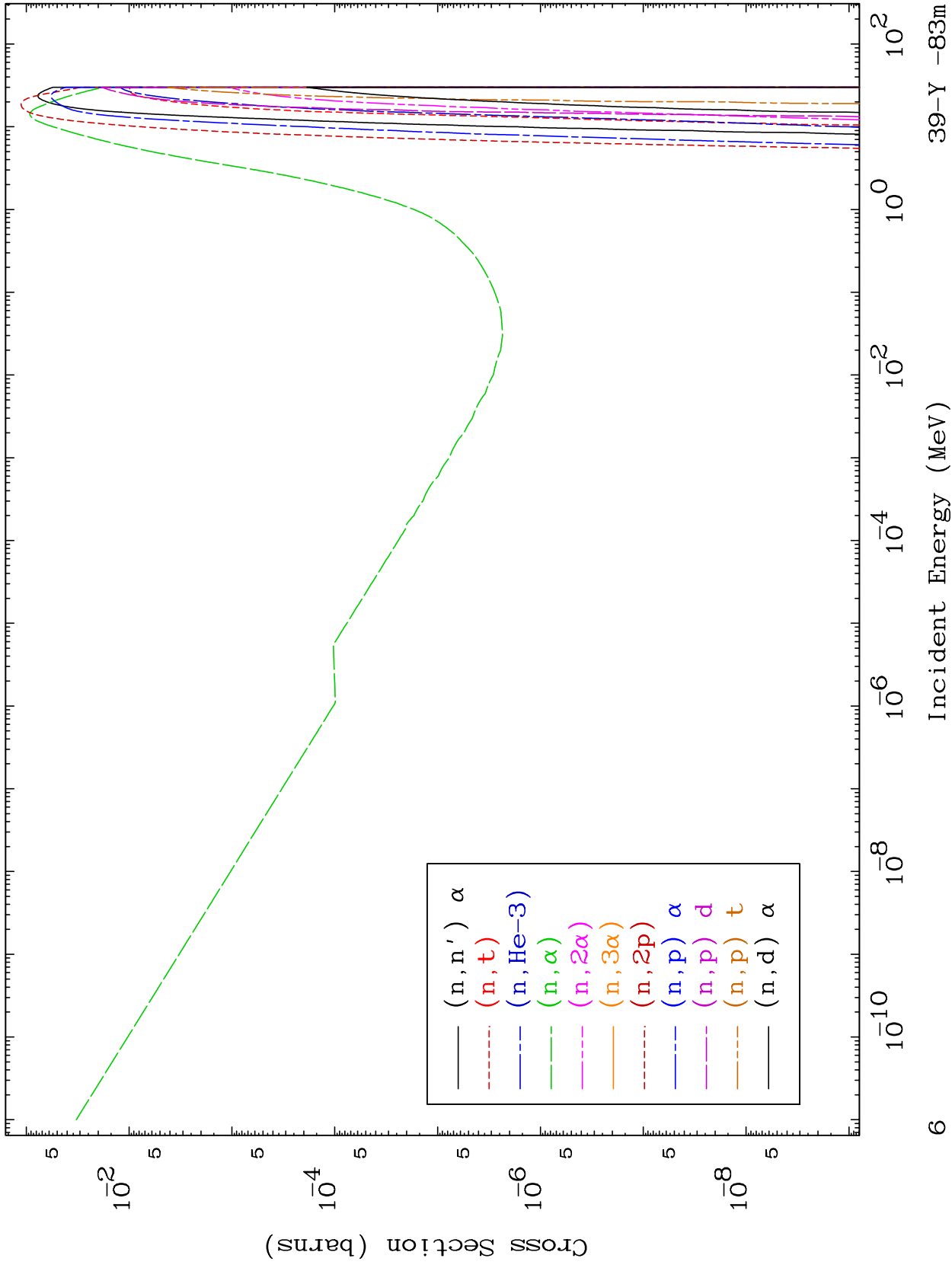
39-Y -83m



MAT 3908

Charged Particle  
293 Kelvin Cross Sections

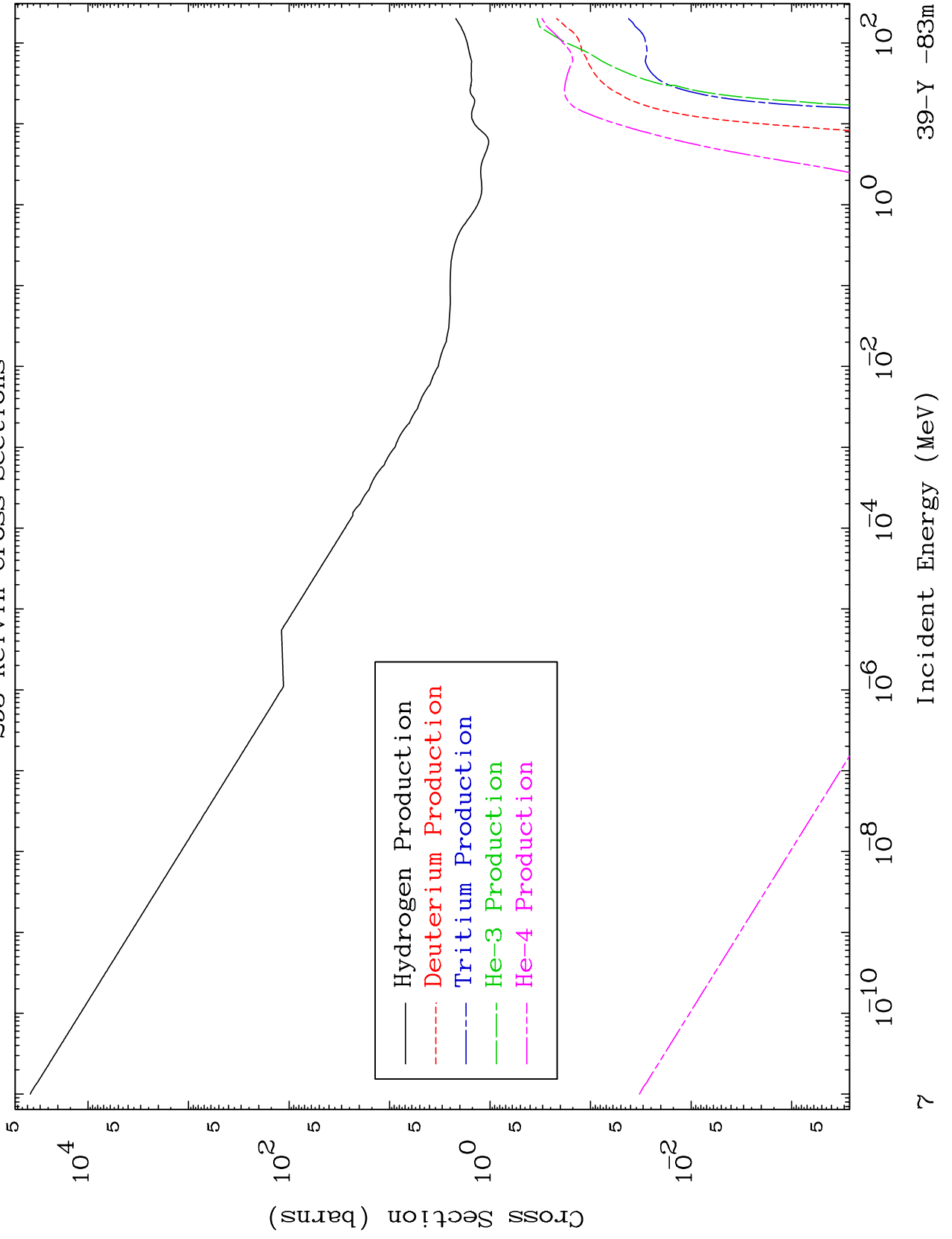
39-Y -83m



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Particle Production  
293 Kelvin Cross Sections

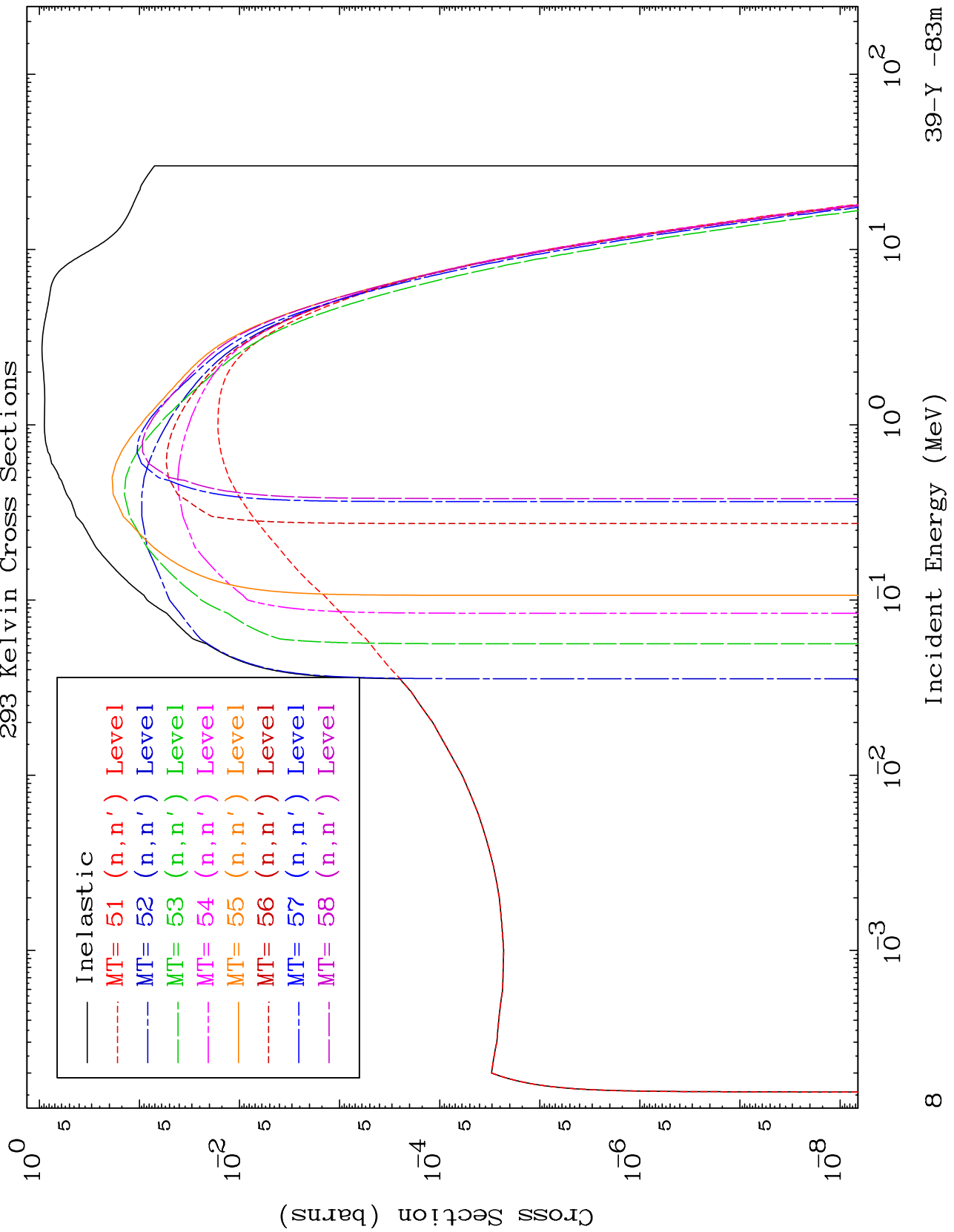
39-Y -83m



MAT 3908

293 Kelvin Cross Sections  
(n,n') Levels

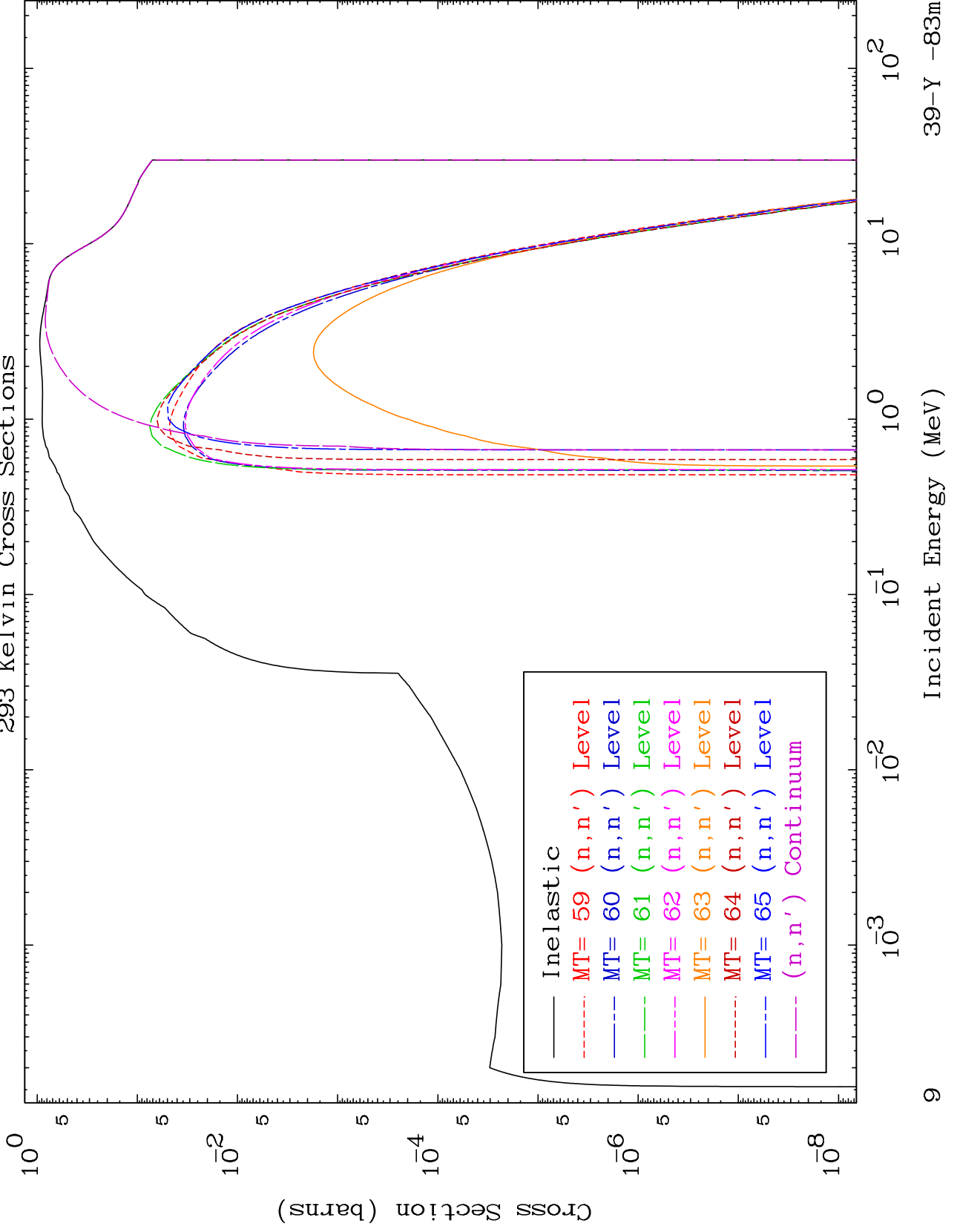
39-Y -83m



MAT 3908

(n,n') Levels  
293 Kelvin Cross Sections

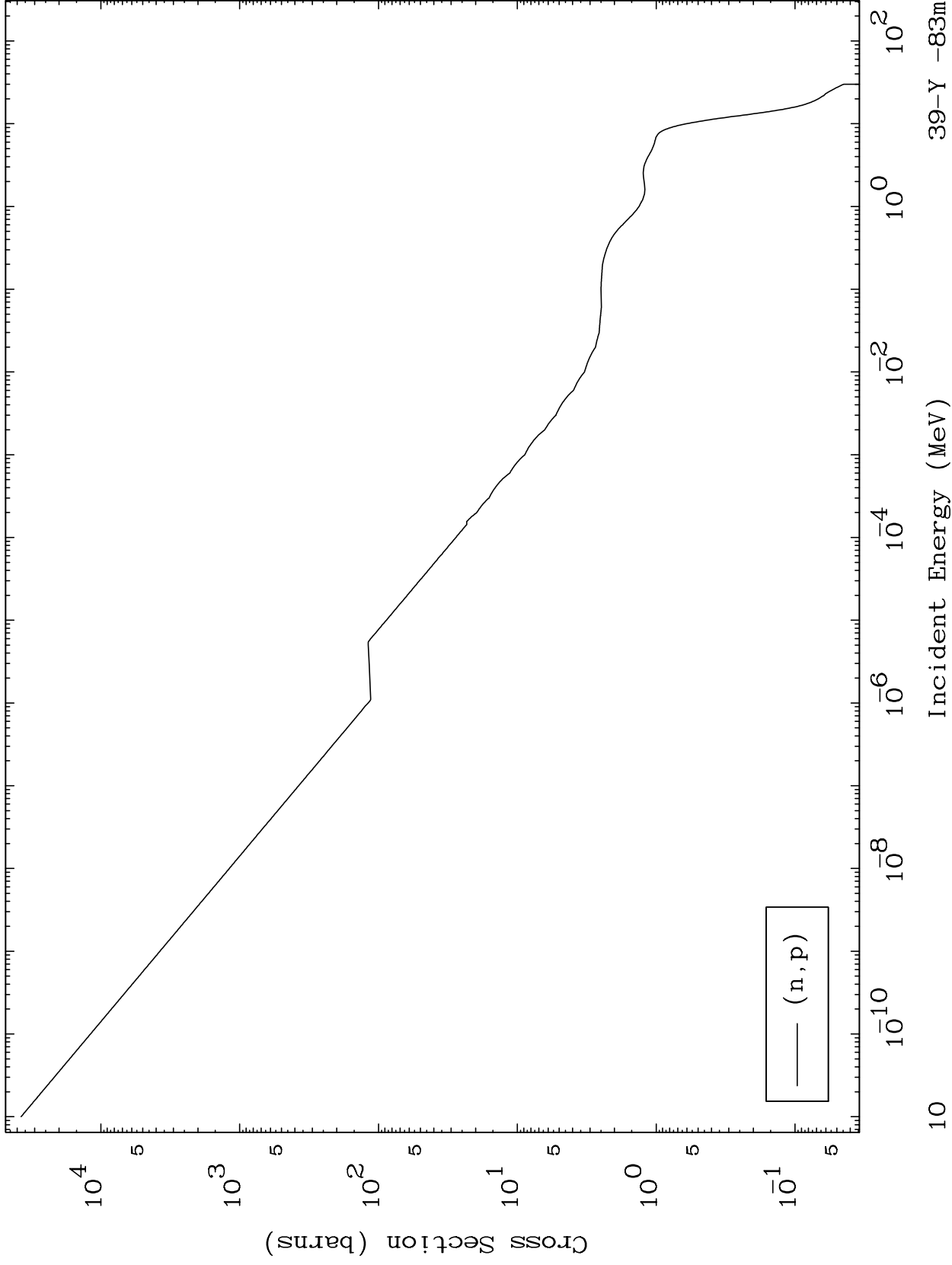
39-Y -83m



MAT 3908

(n,p) Levels  
293 Kelvin Cross Sections

39-Y -83m



— (n,p)

10

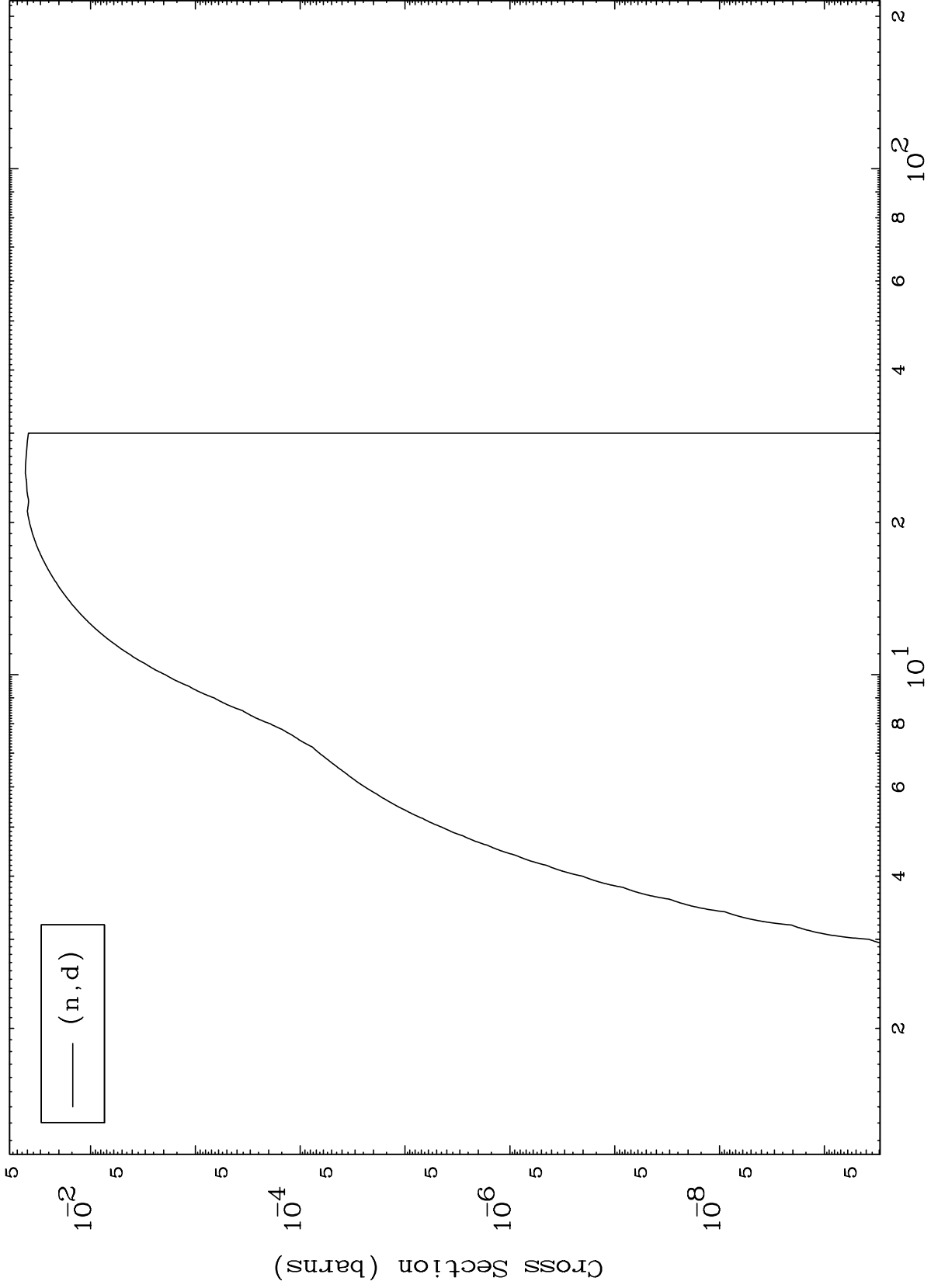
Incident Energy (MeV)

39-Y -83m

MAT 3908

(n,d) Levels  
293 Kelvin Cross Sections

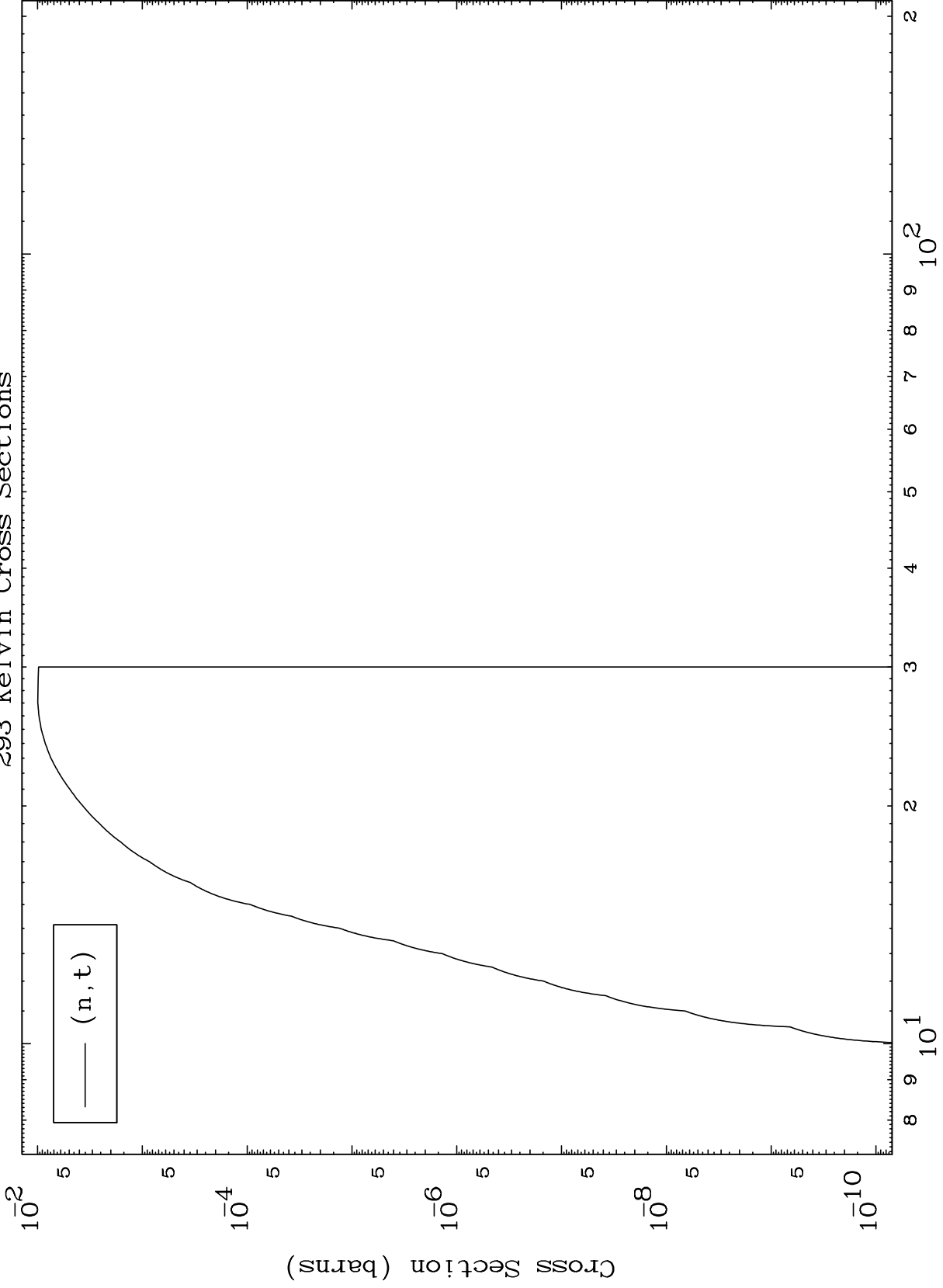
39-Y -83m



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(n,t) Levels  
293 Kelvin Cross Sections

39-Y -83m



12

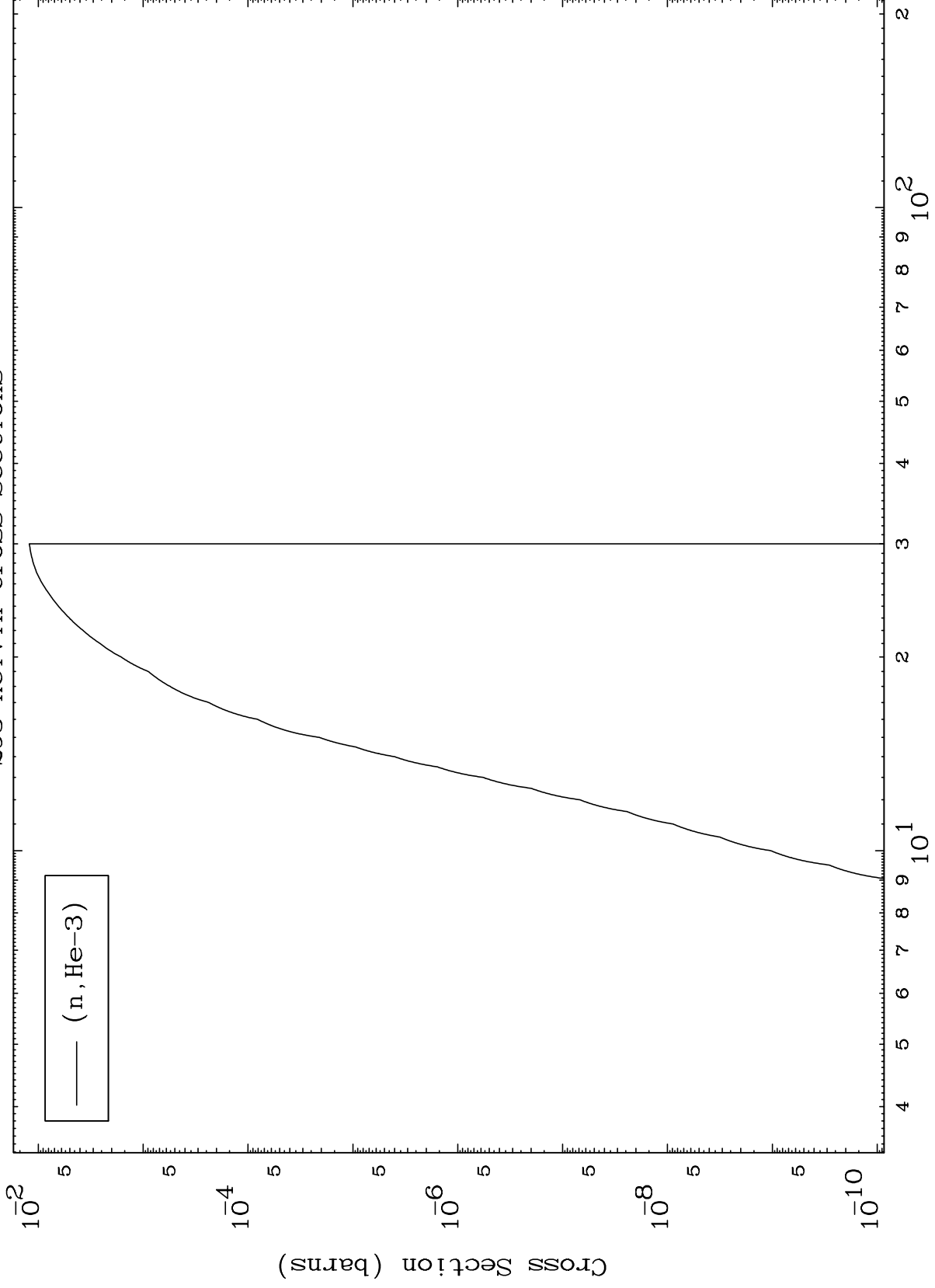
Incident Energy (MeV)

39-Y -83m

MAT 3908

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -83m



13

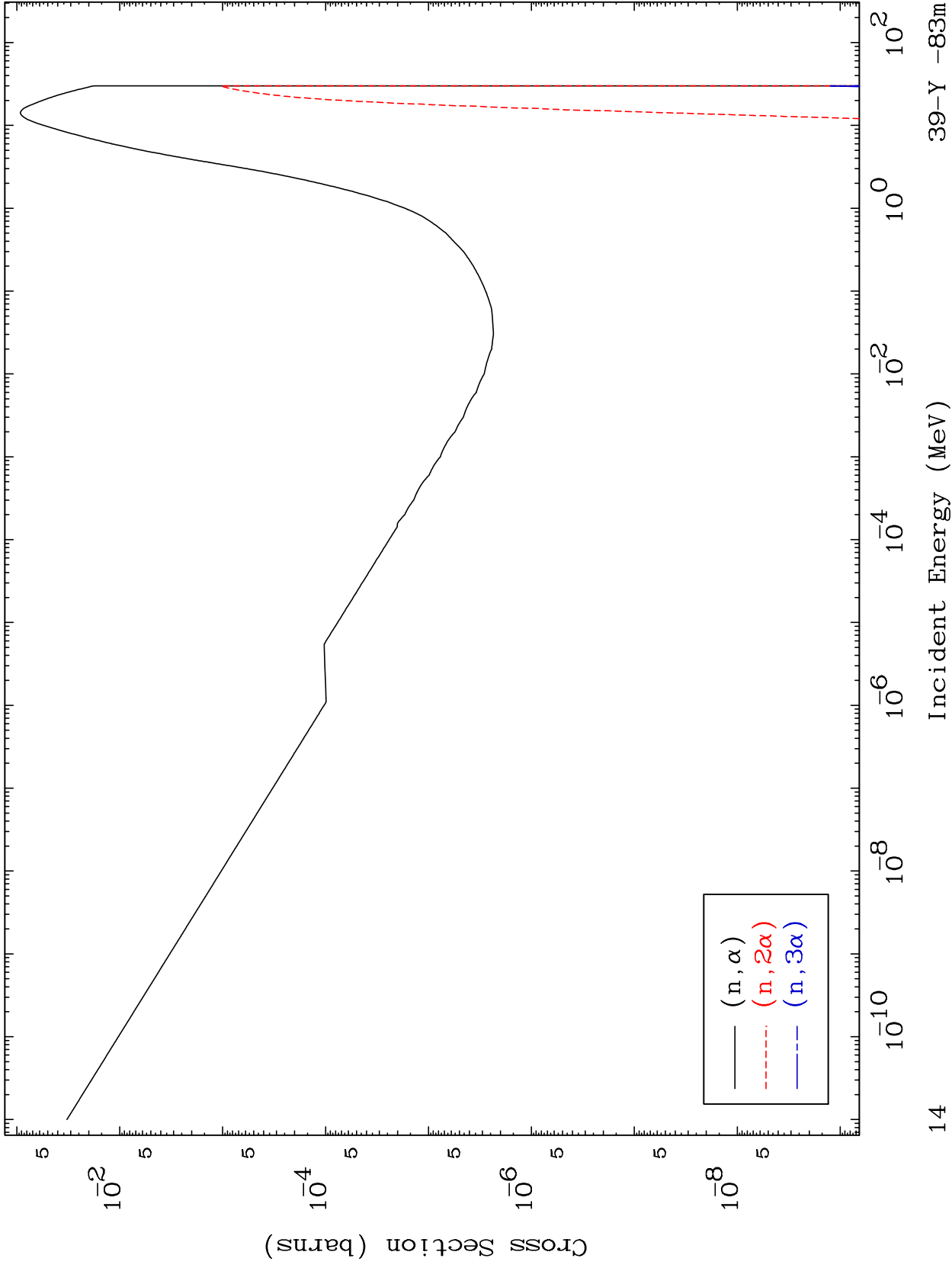
Incident Energy (MeV)

39-Y -83m

MAT 3908

(n,α) Levels  
293 Kelvin Cross Sections

39-Y -83m



14

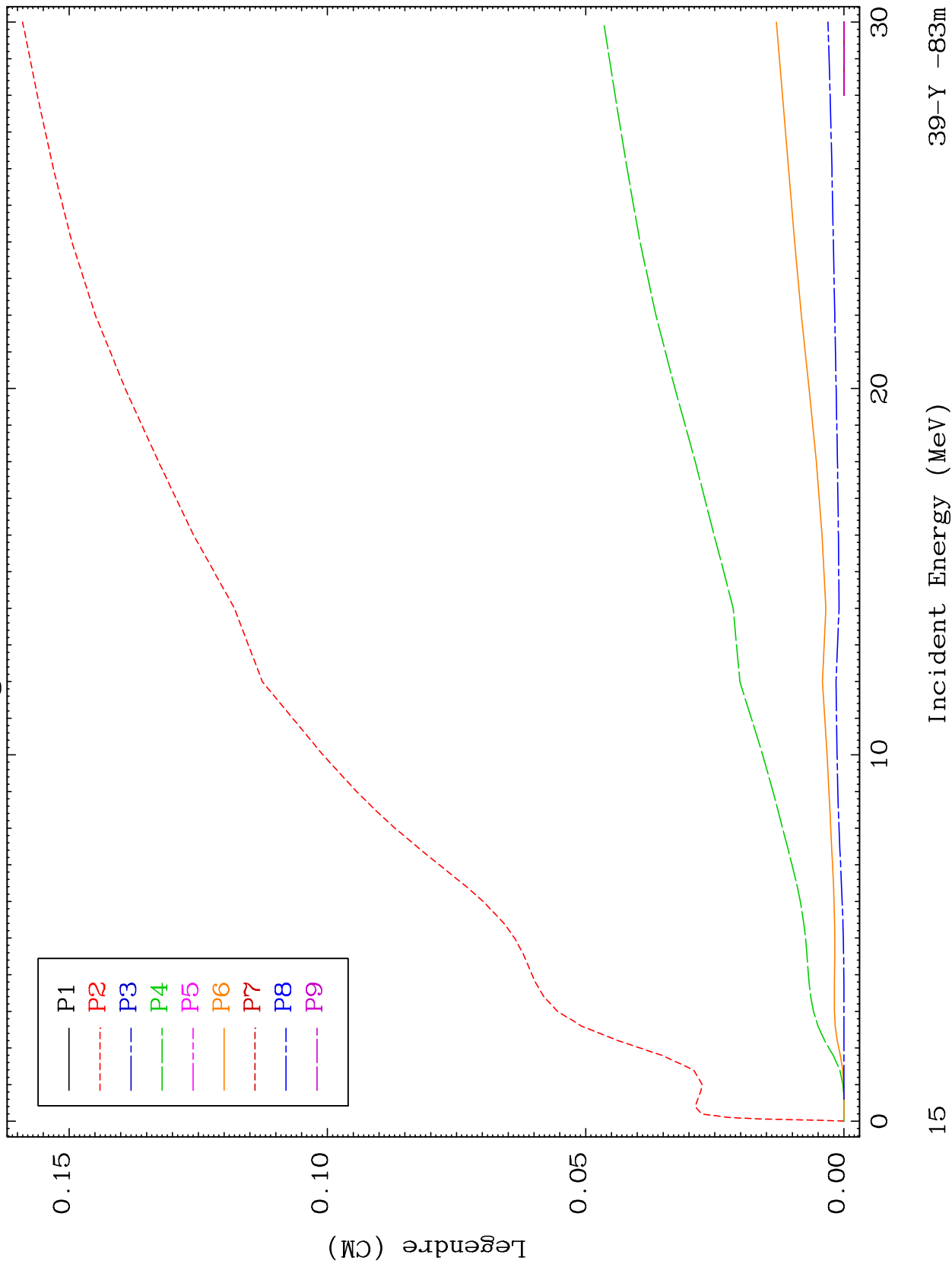
Incident Energy (MeV)

39-Y -83m

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Elastic Legendre Coefficients

39-Y -83m



15

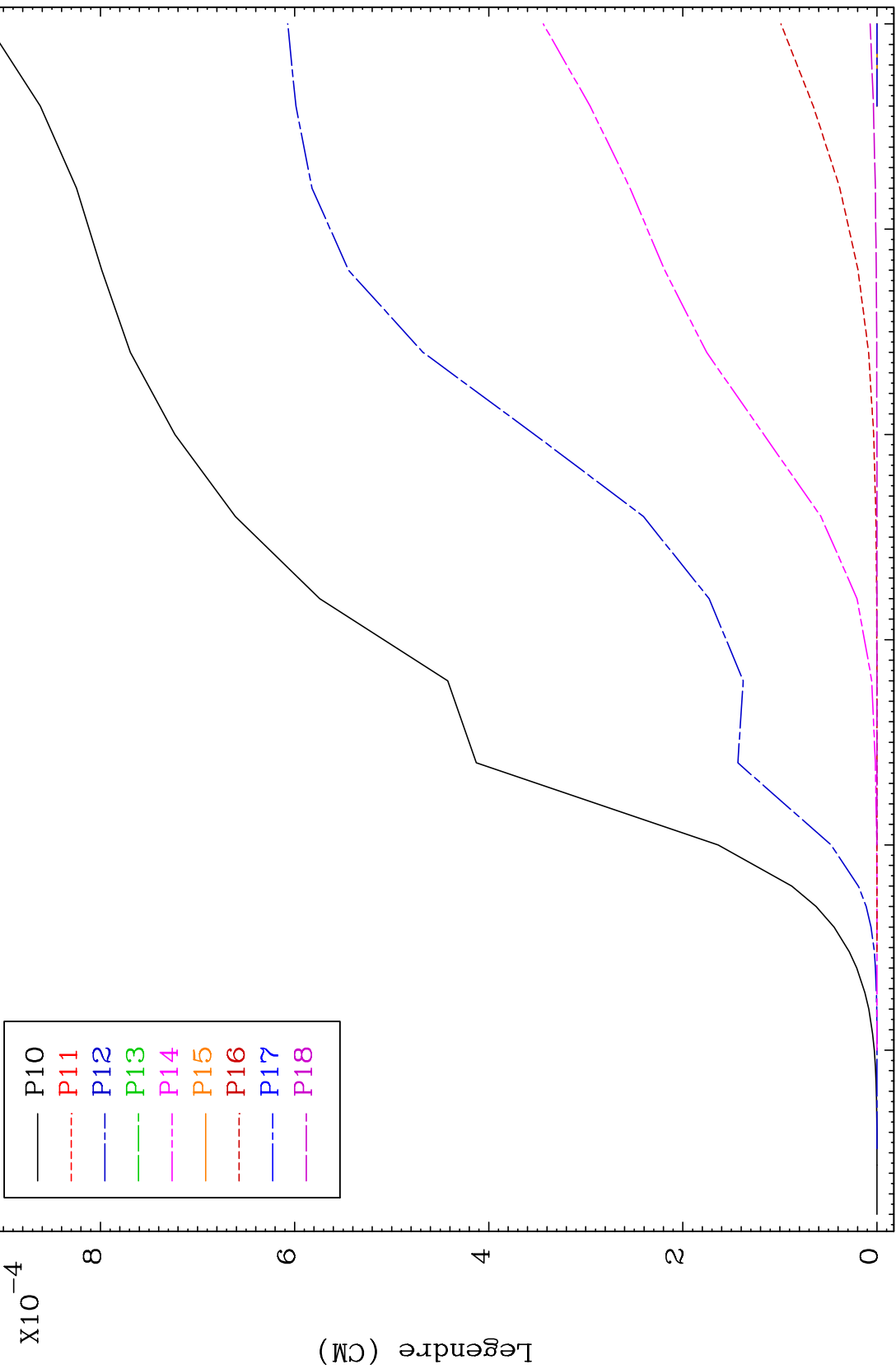
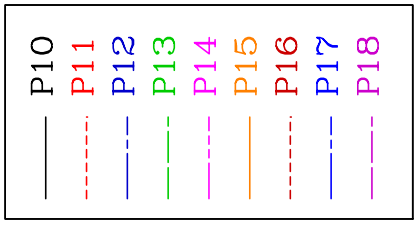
Incident Energy (MeV)

39-Y -83m

MAT 3908

Elastic Legendre Coefficients

39-Y -83m



16

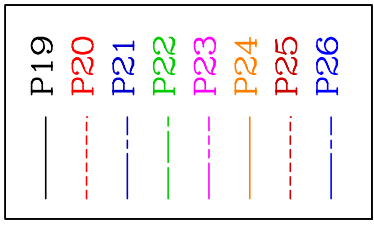
Incident Energy (MeV)

39-Y -83m

MAT 3908

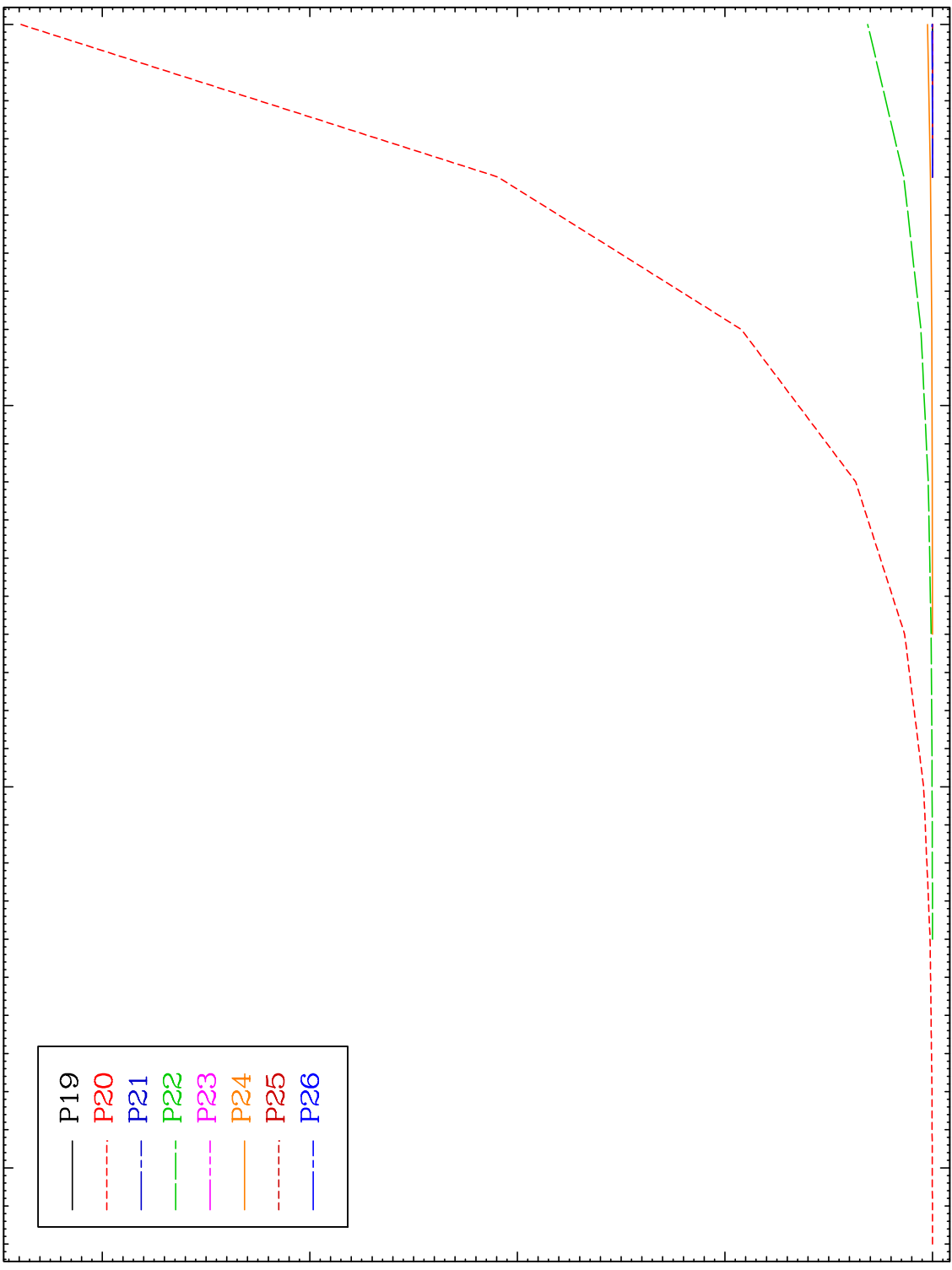
Elastic Legendre Coefficients

39-Y -83m



$\times 10^{-7}$

Legendre (CM)



30

25

20

15

17

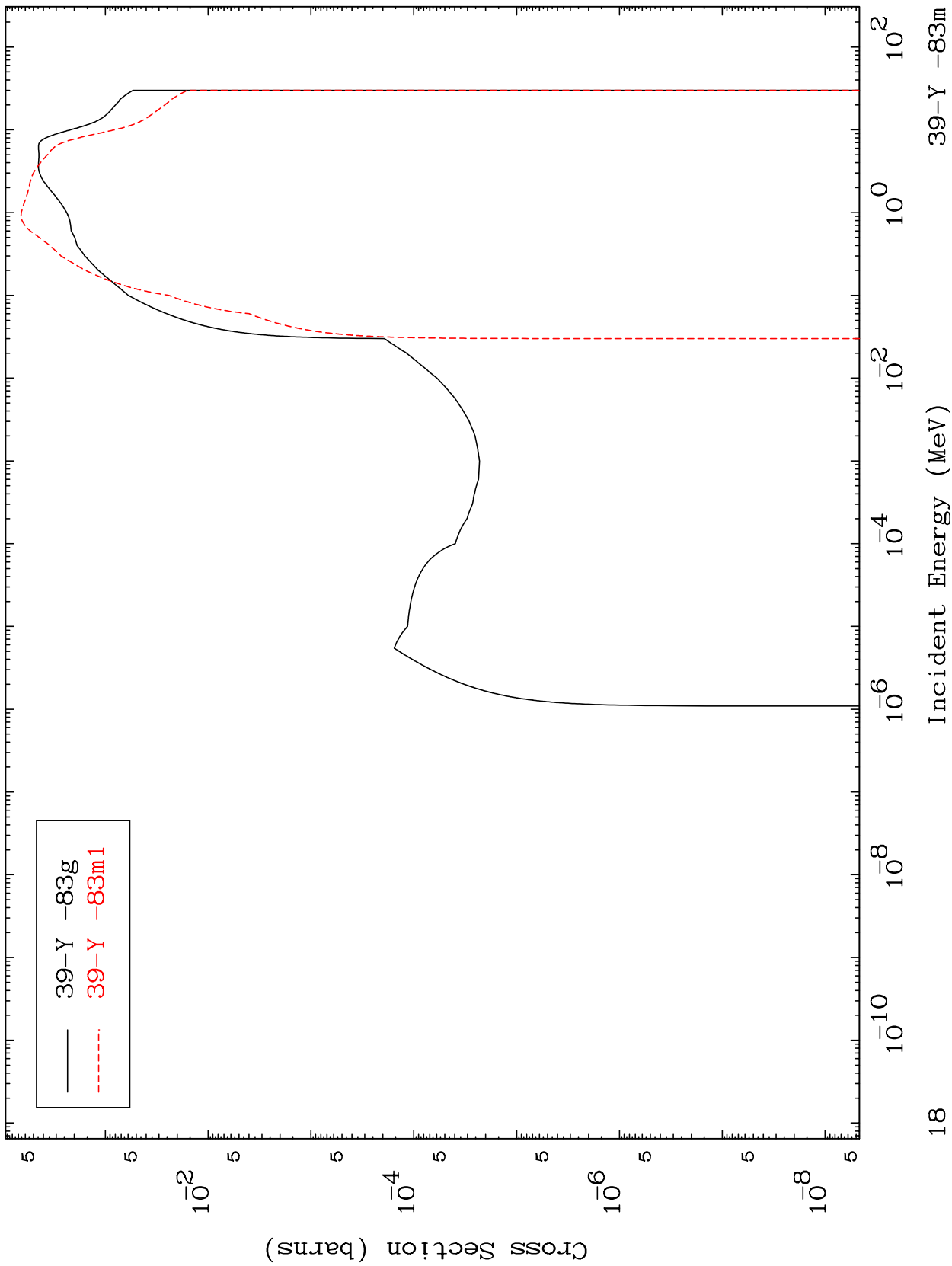
Incident Energy (MeV)

39-Y -83m

MAT 3908

Inelastic  
Radionuclide Production Cross Section

39-Y -83m

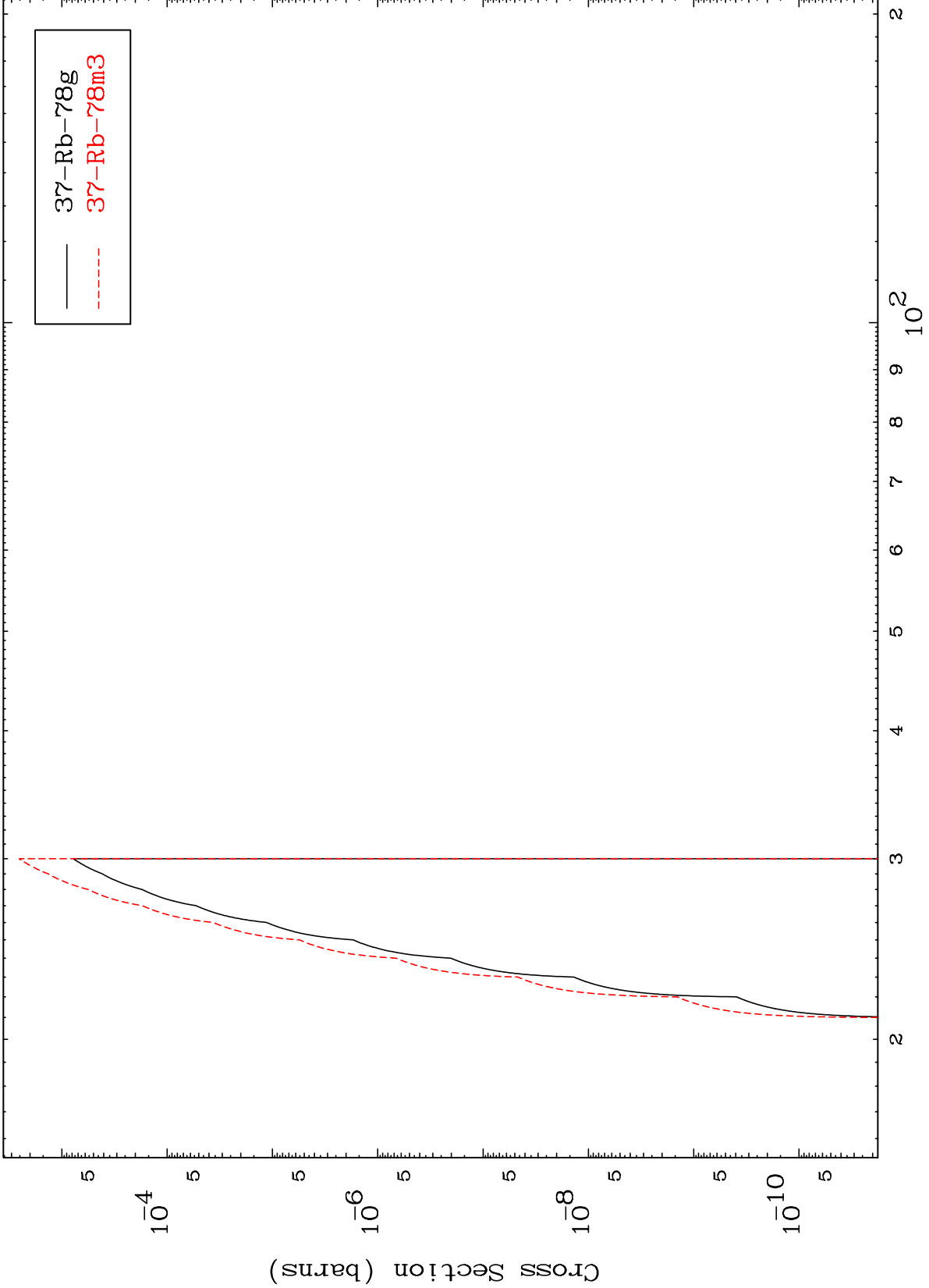


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(n,2n)  $\alpha$

39-Y -83m

Radionuclide Production Cross Section

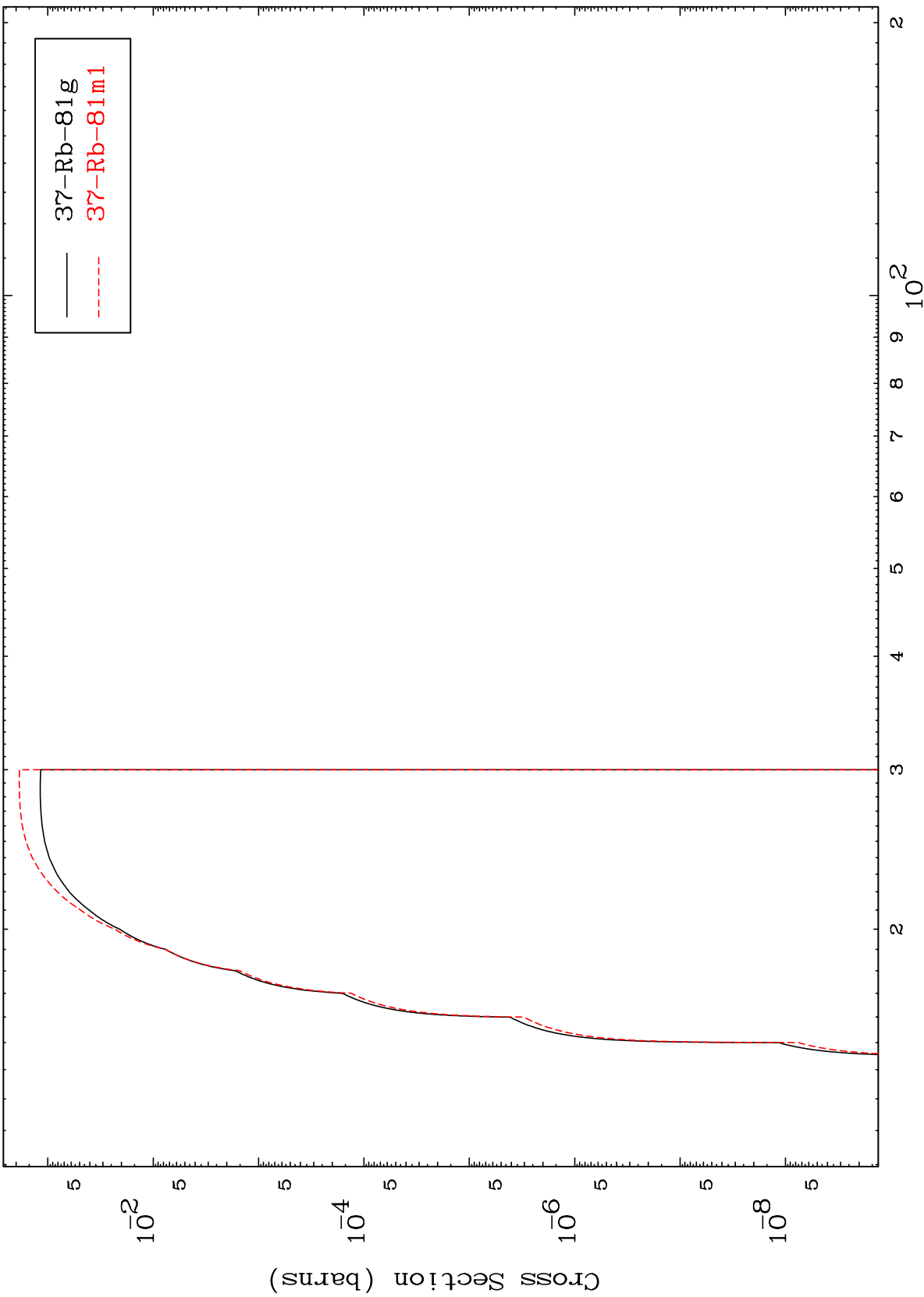


19

Incident Energy (MeV)

39-Y -83m

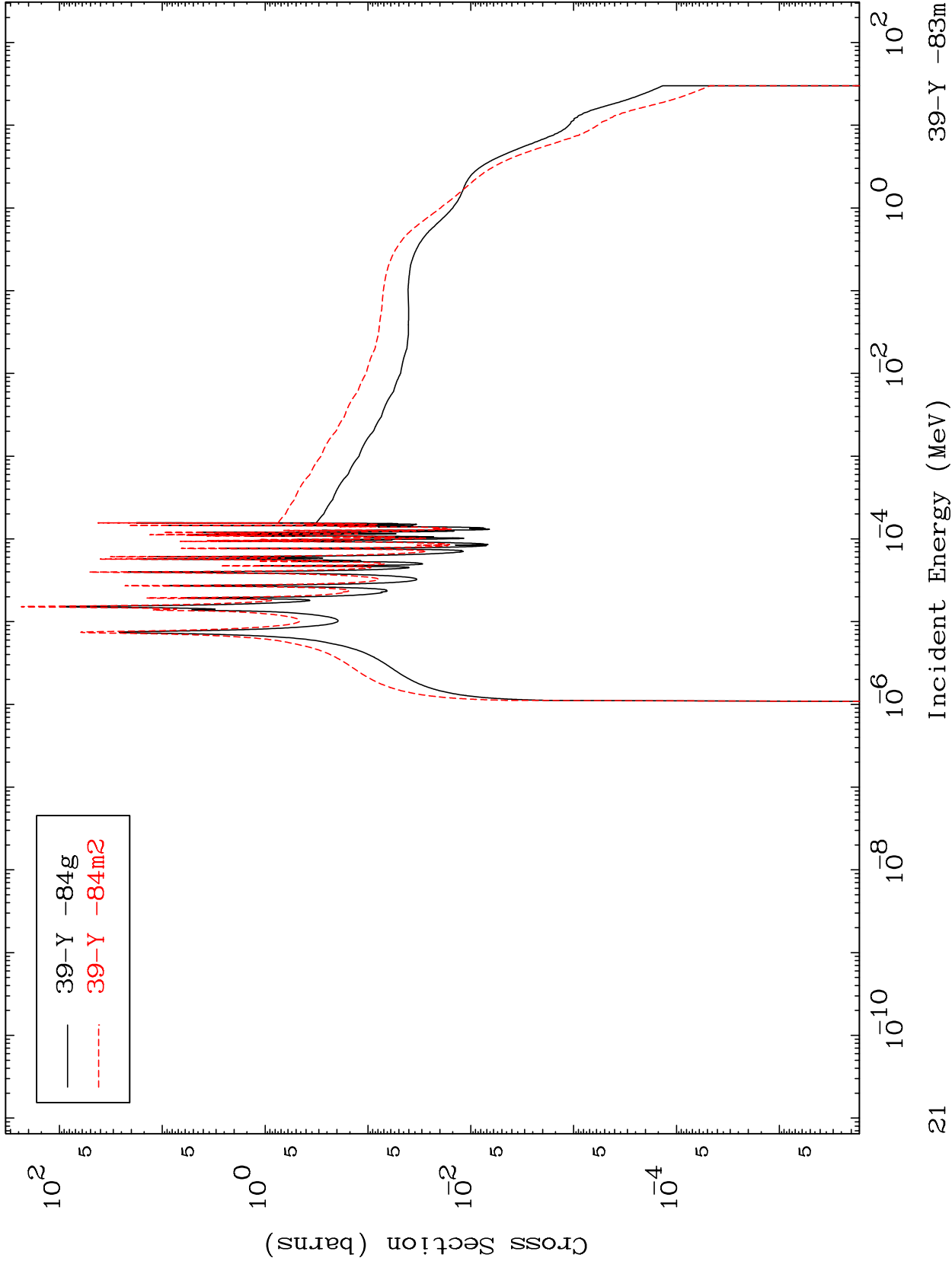
Radionuclide Production Cross Section



MAT 3908

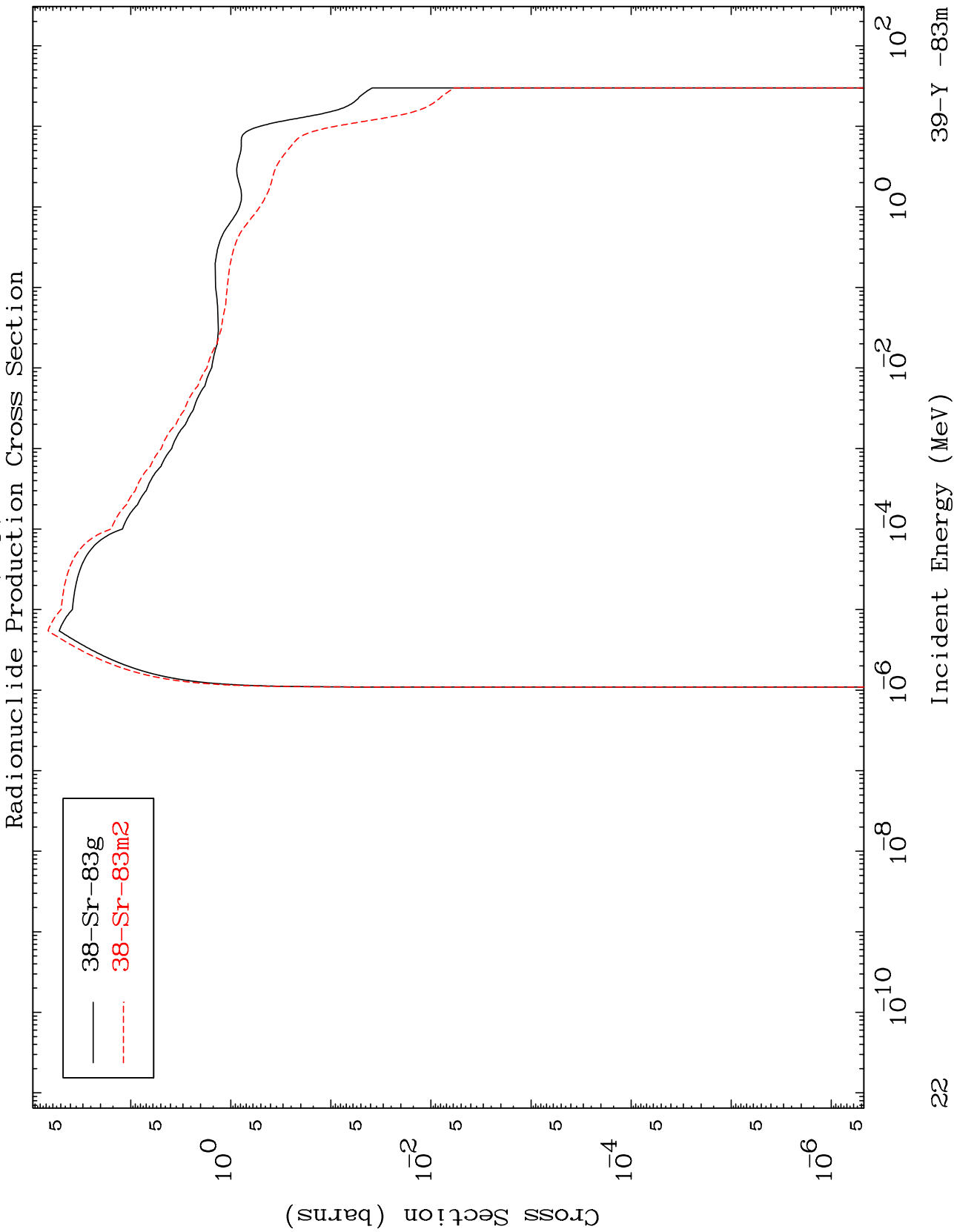
39-Y -83m

(n,γ)  
Radionuclide Production Cross Section



MAT 3908

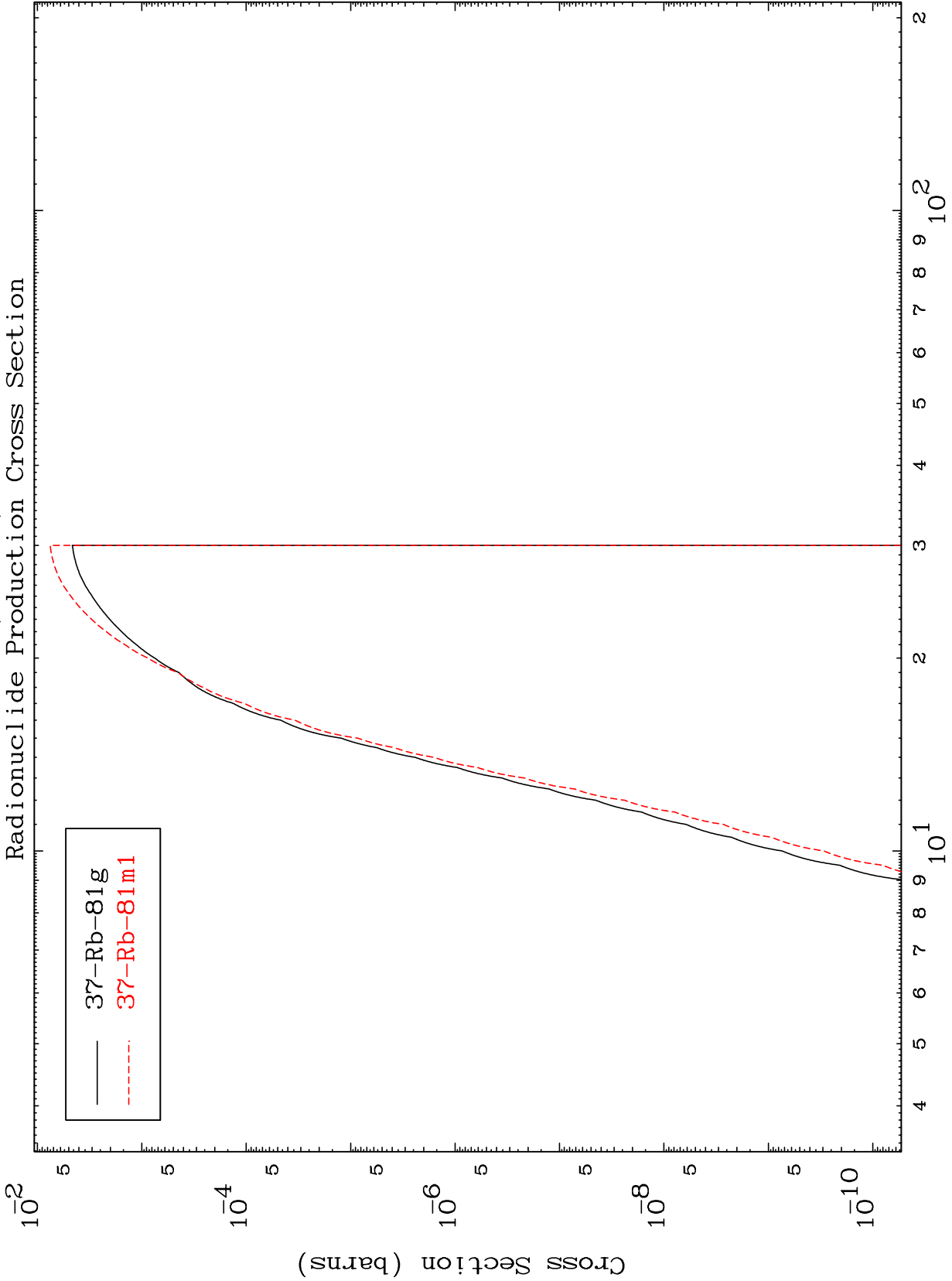
39-Y -83m



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(n,He-3)

39-Y -83m



23

Incident Energy (MeV)

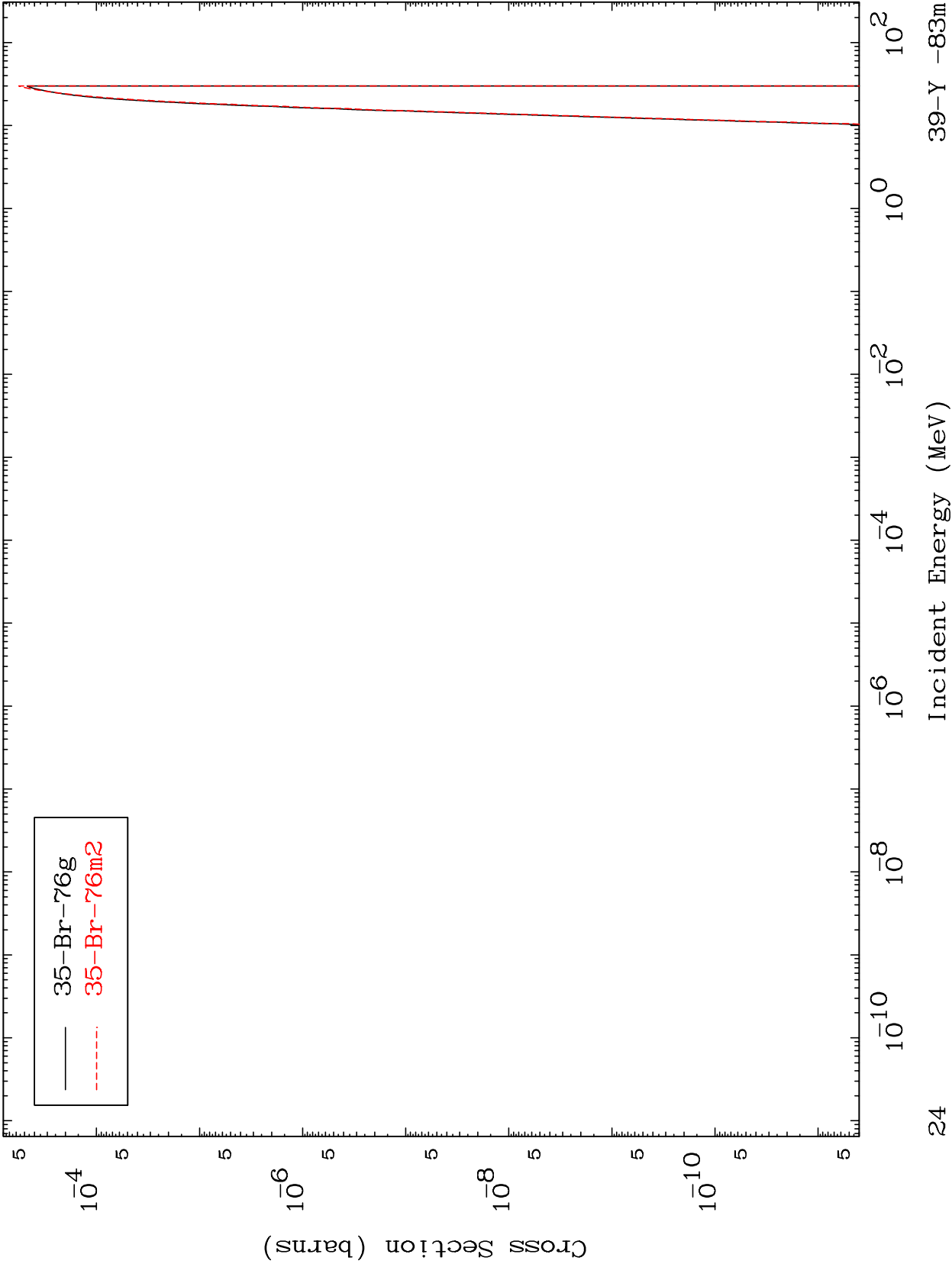
39-Y -83m

MAT 3908

(n,2α)

39-Y -83m

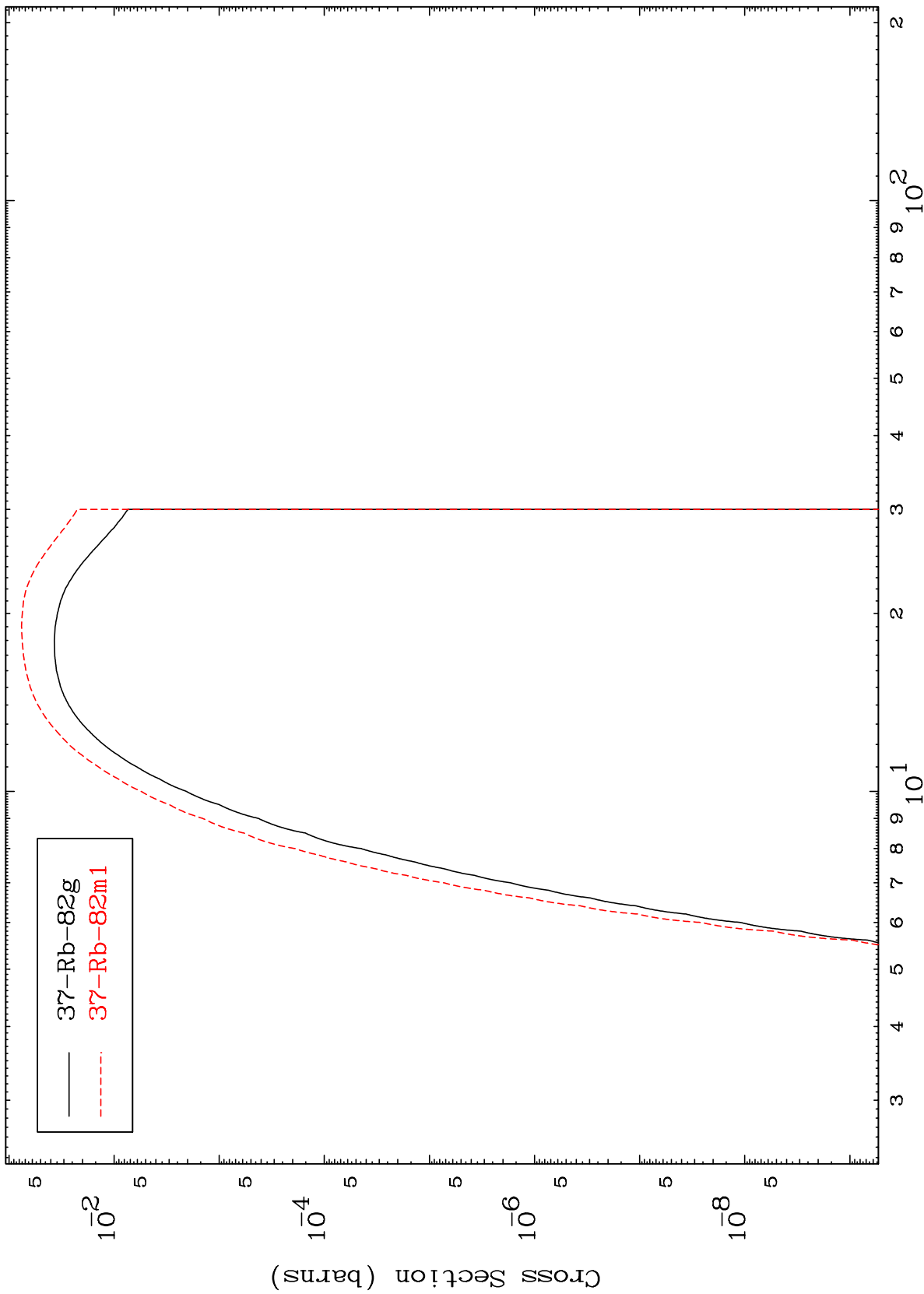
Radionuclide Production Cross Section



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39-Y -83m

Radionuclide Production Cross Section (n,2p)



25

39-Y -83m

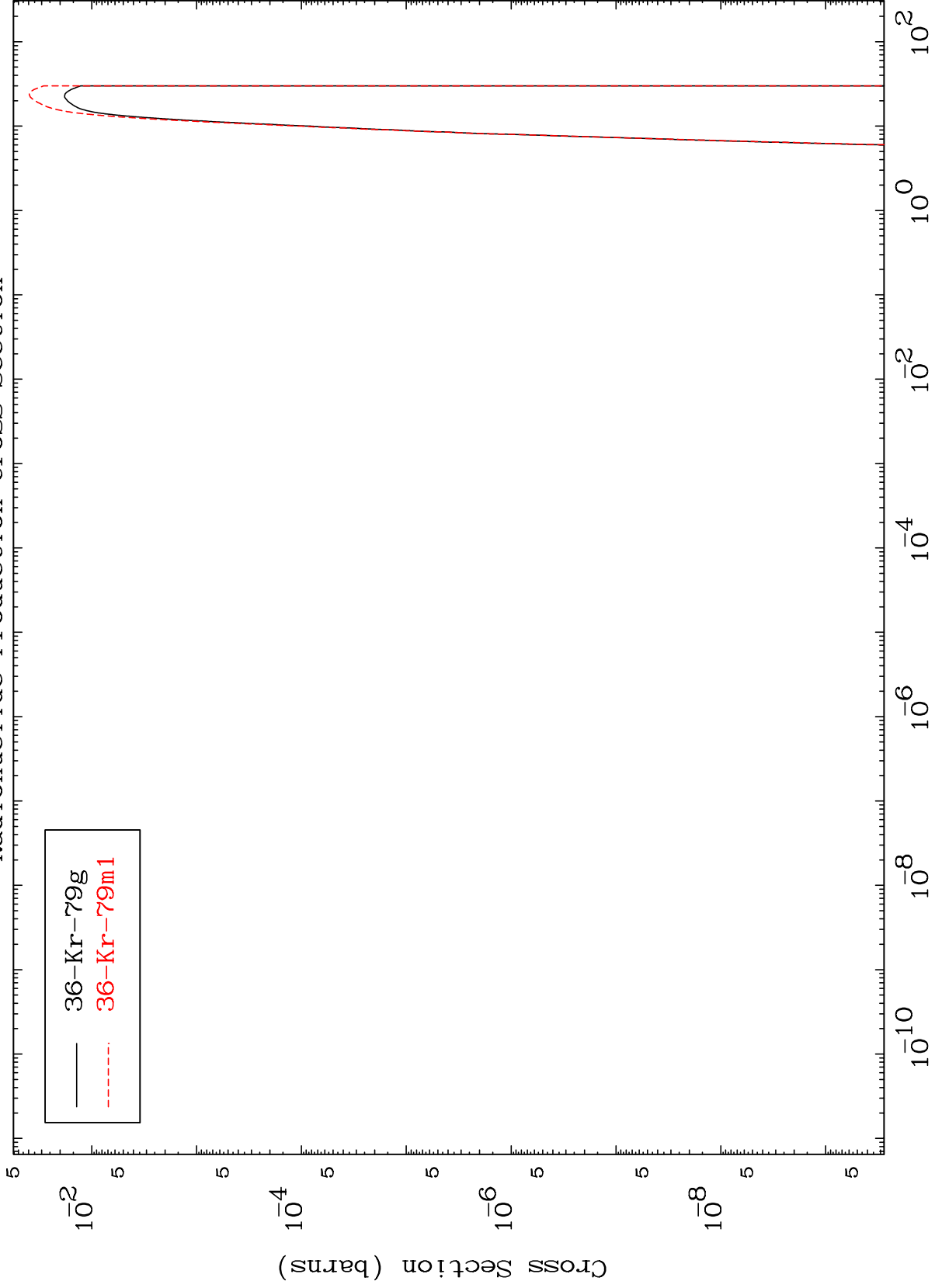
Incident Energy (MeV)

MAT 3908

(n,p)  $\alpha$

39-Y -83m

Radionuclide Production Cross Section

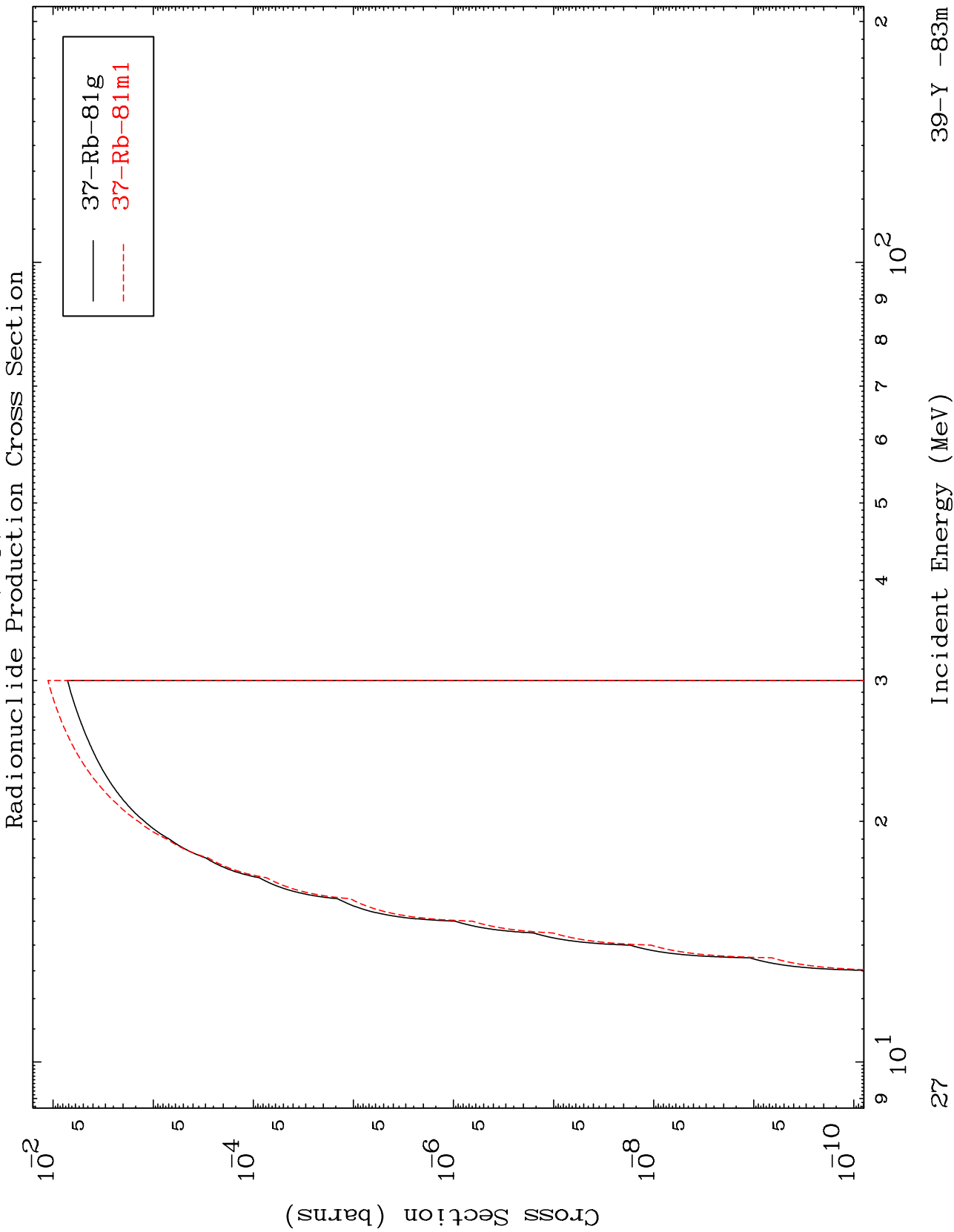


— 36-Kr-79g  
- - - 36-Kr-79m1

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(n,p) d

39-Y -83m



27

Incident Energy (MeV)

39-Y -83m