

Program EVALPLOT  
(Version 2015-2)

by

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(Present Contact Information)

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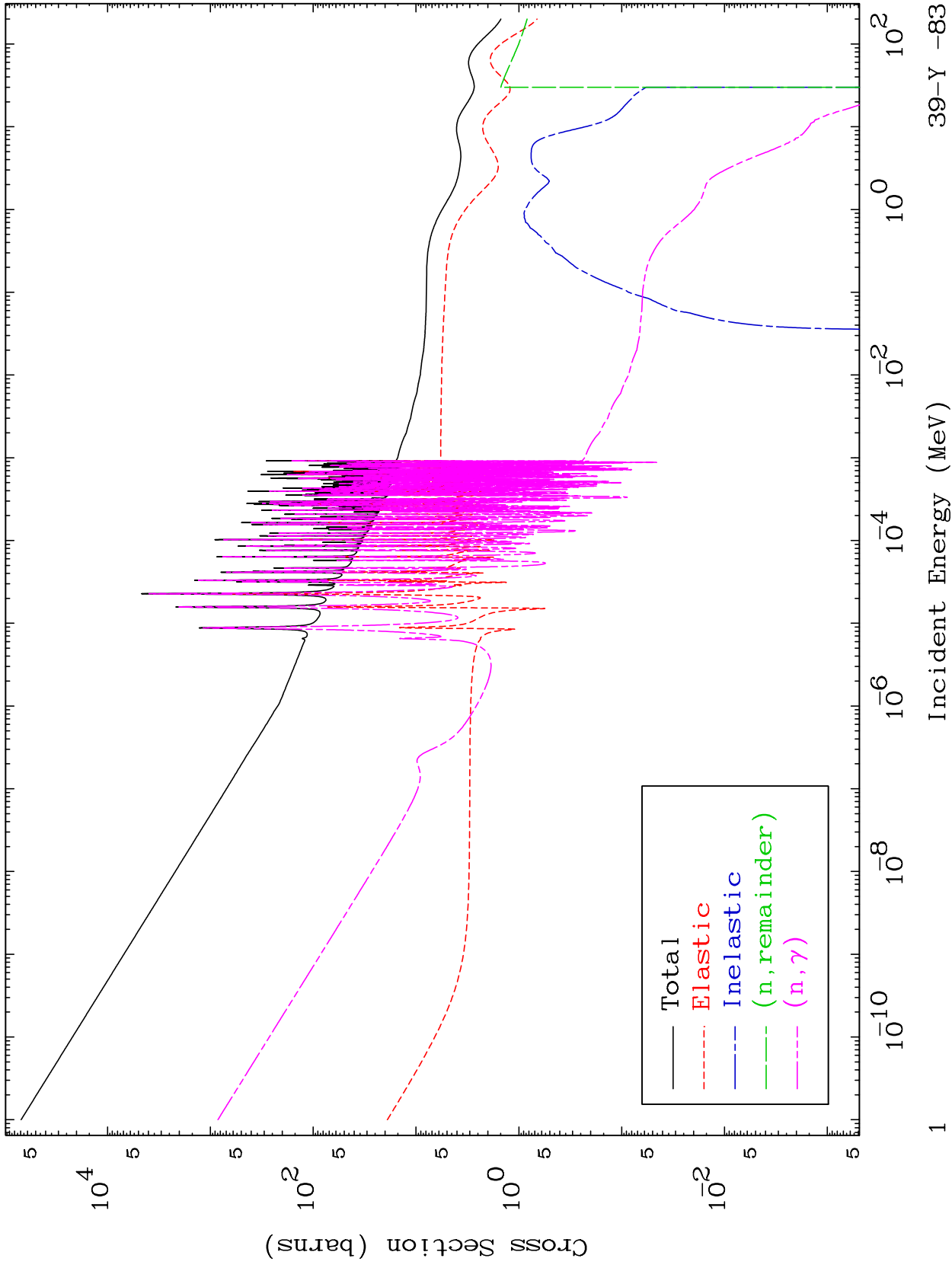
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

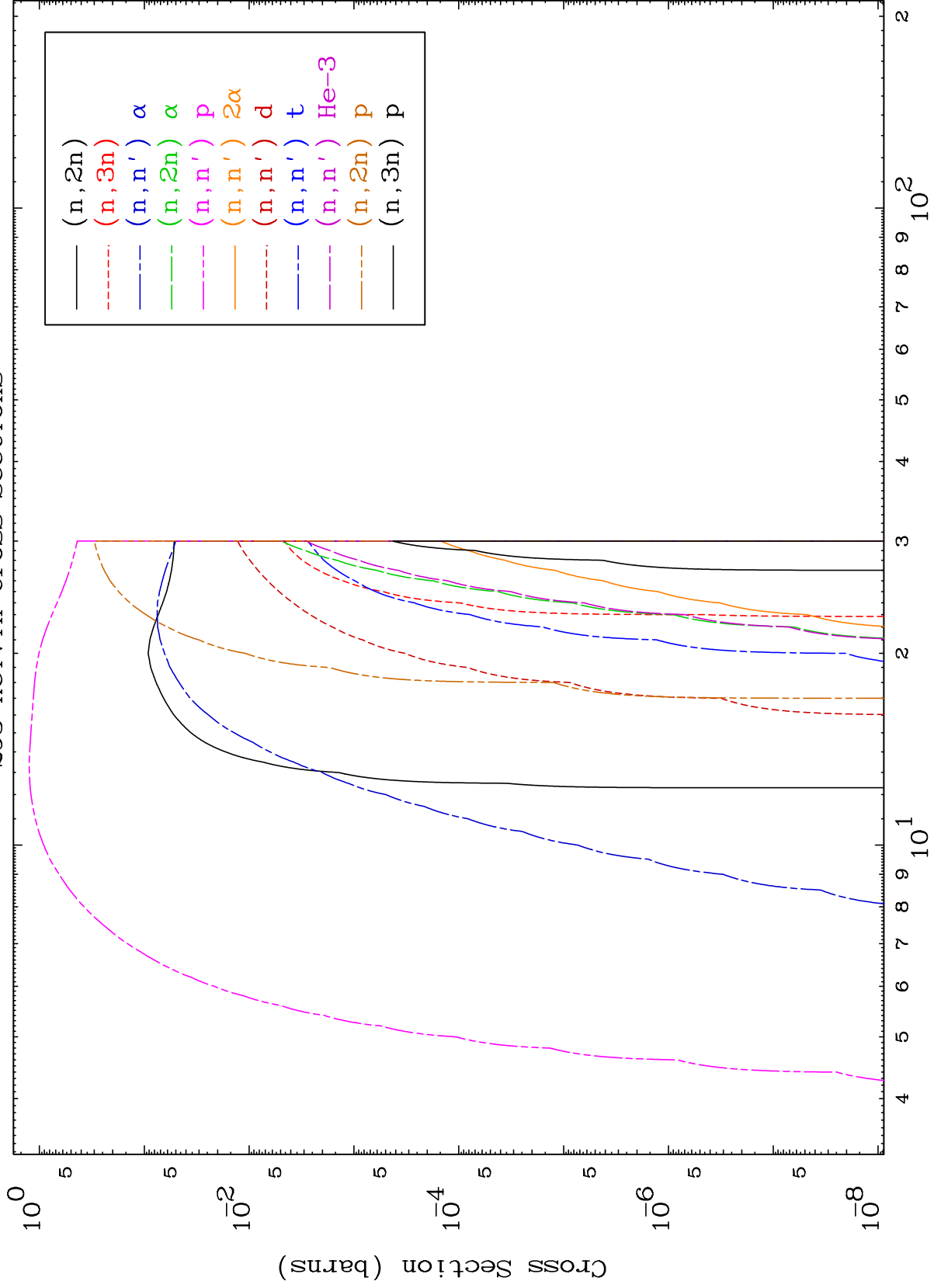
MAT 3908

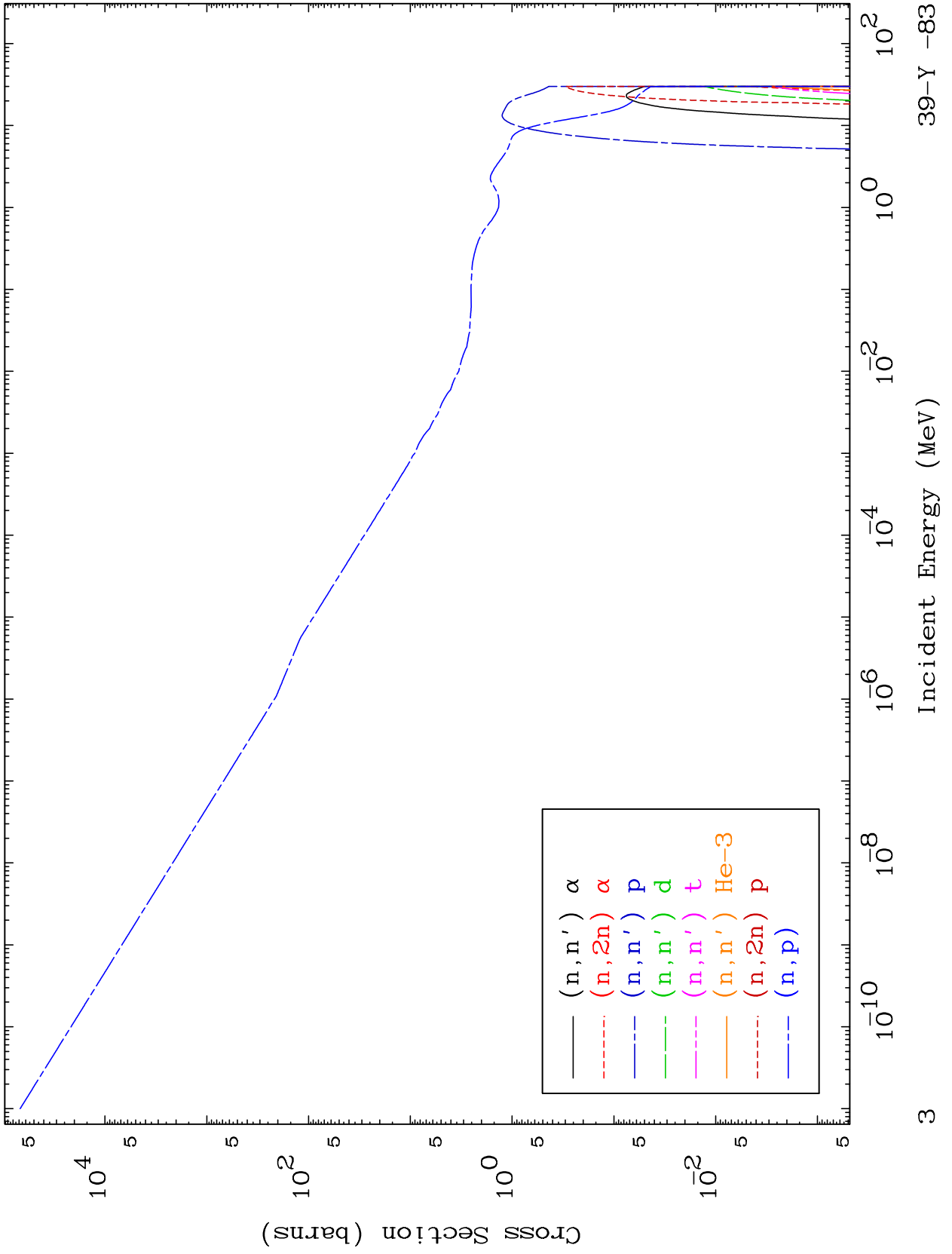
Major  
293 Kelvin Cross Sections

39-Y -83



Neutron Production  
293 Kelvin Cross Sections

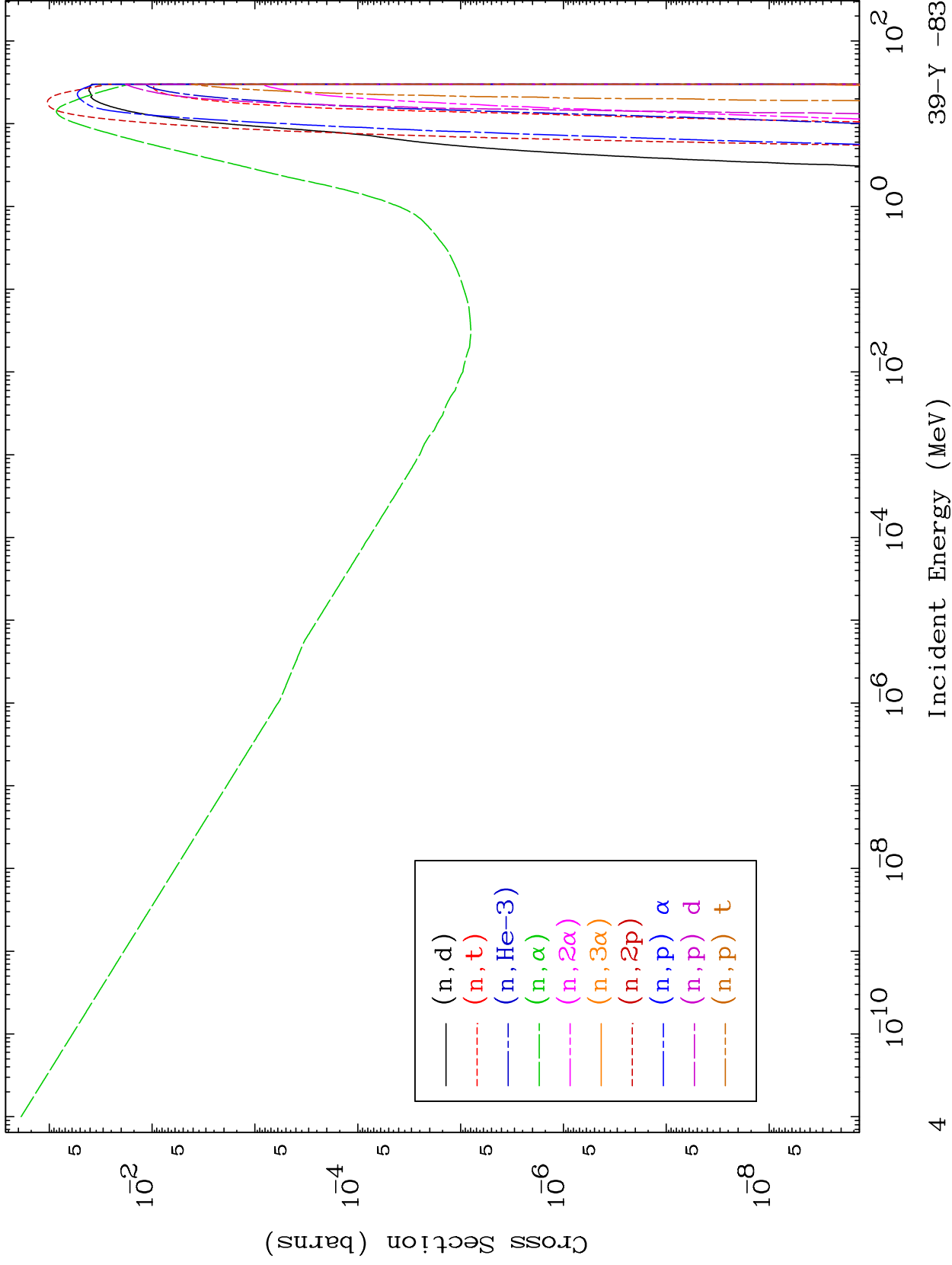


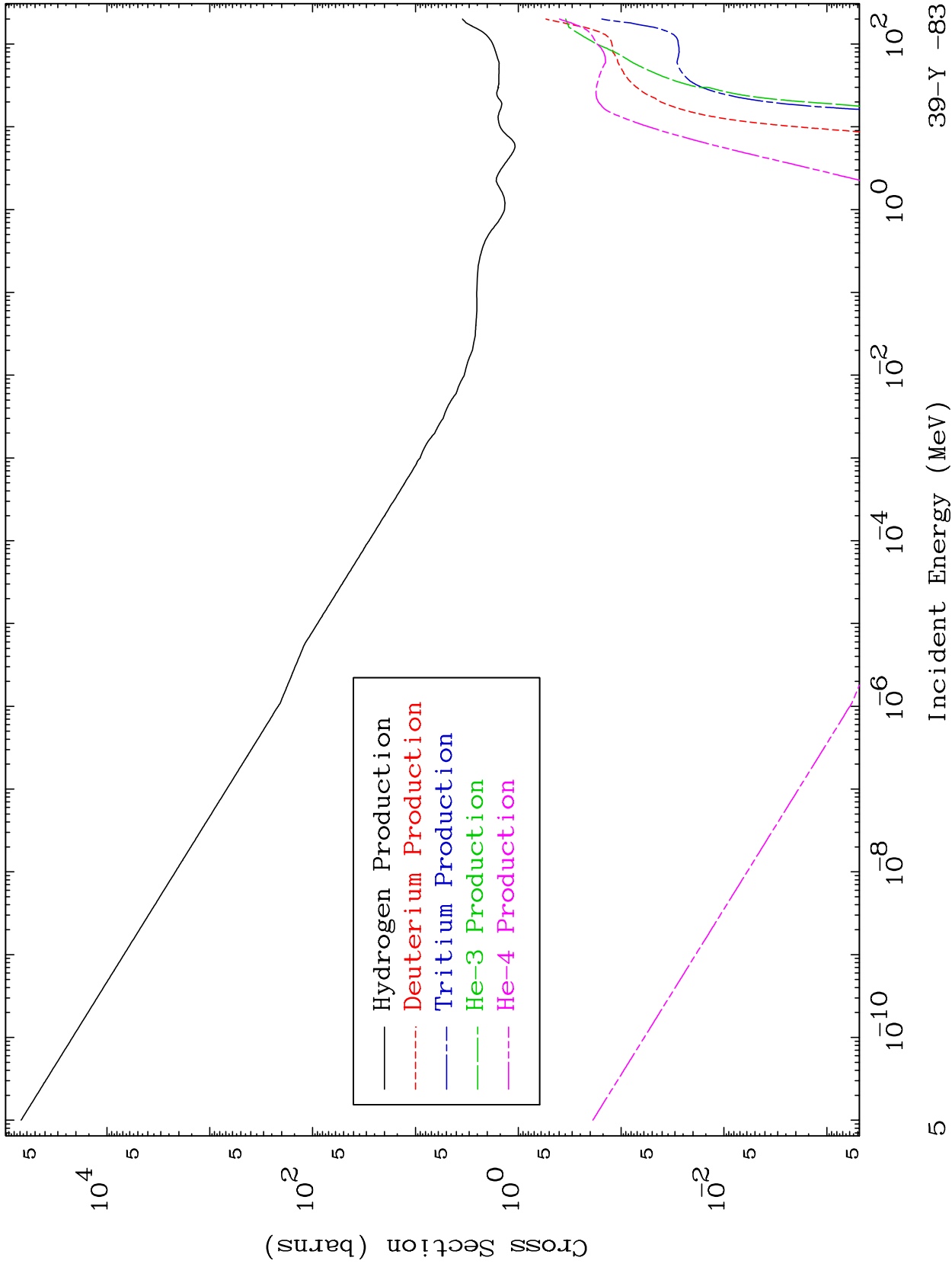


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Charged Particle  
293 Kelvin Cross Sections

39-Y -83

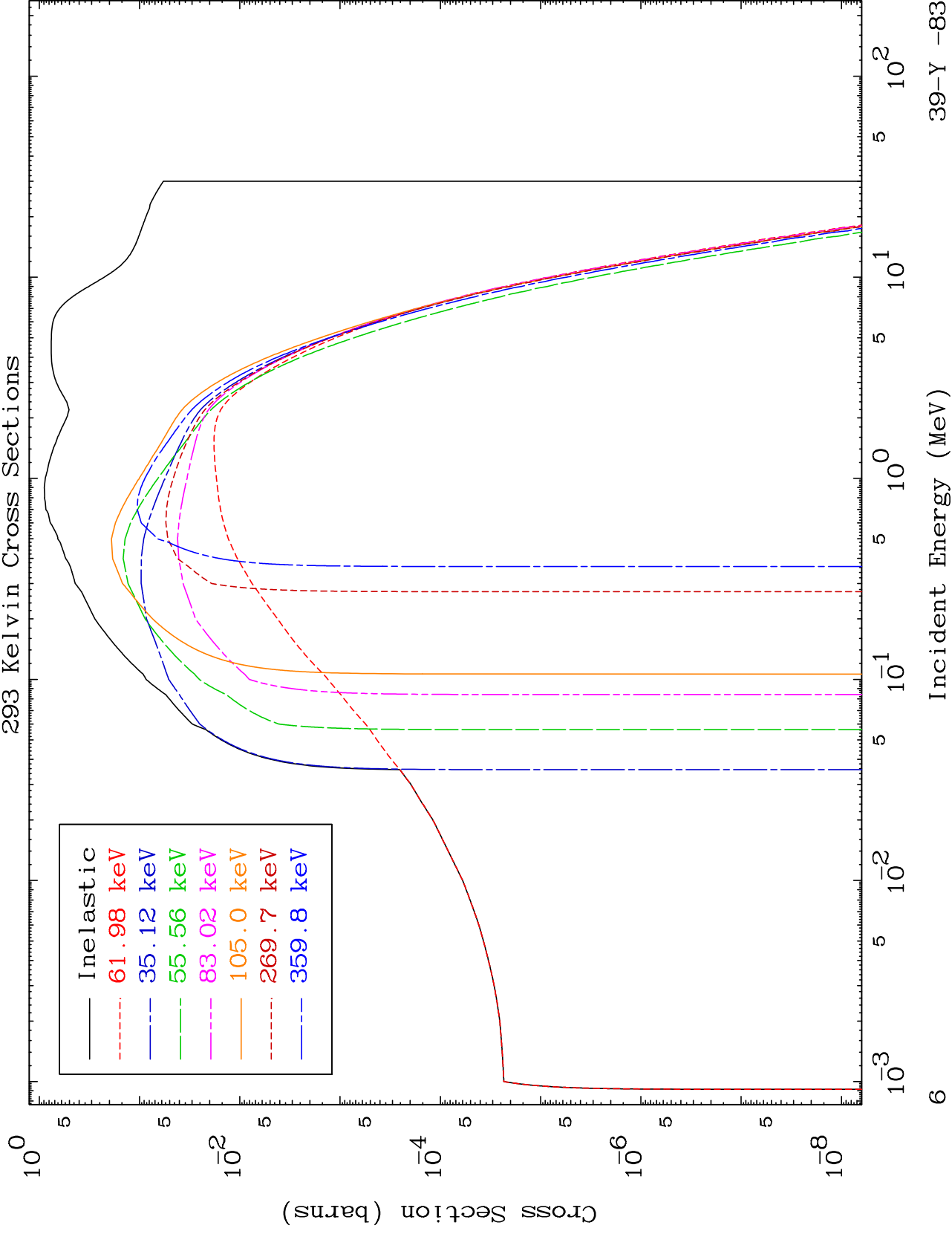




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(n,n') Level  
293 Kelvin Cross Sections

39-Y -83



39-Y -83

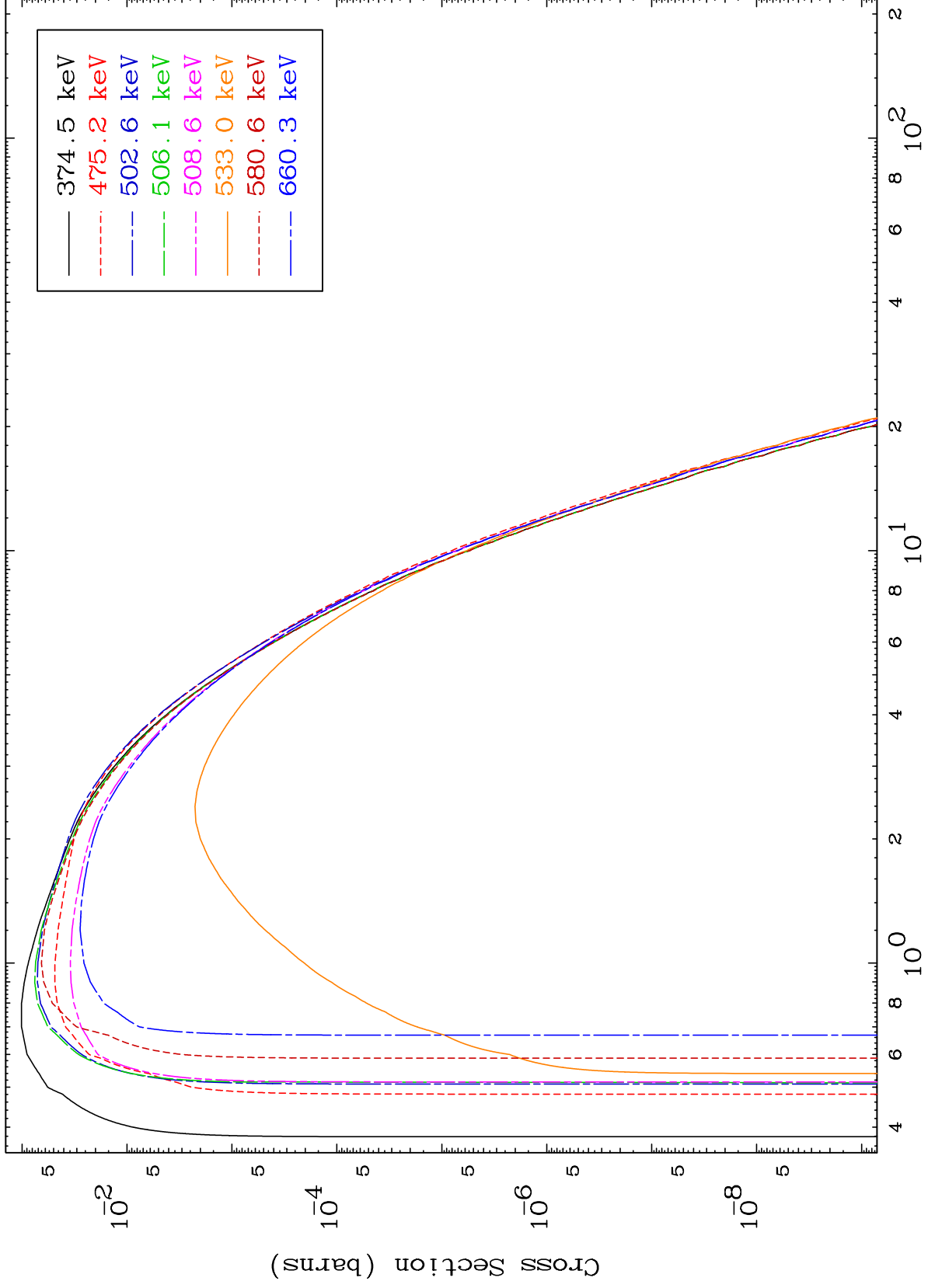
Incident Energy (MeV)

6

MAT 3908

(n,n') Level  
293 Kelvin Cross Sections

39-Y -83



7

Incident Energy (MeV)

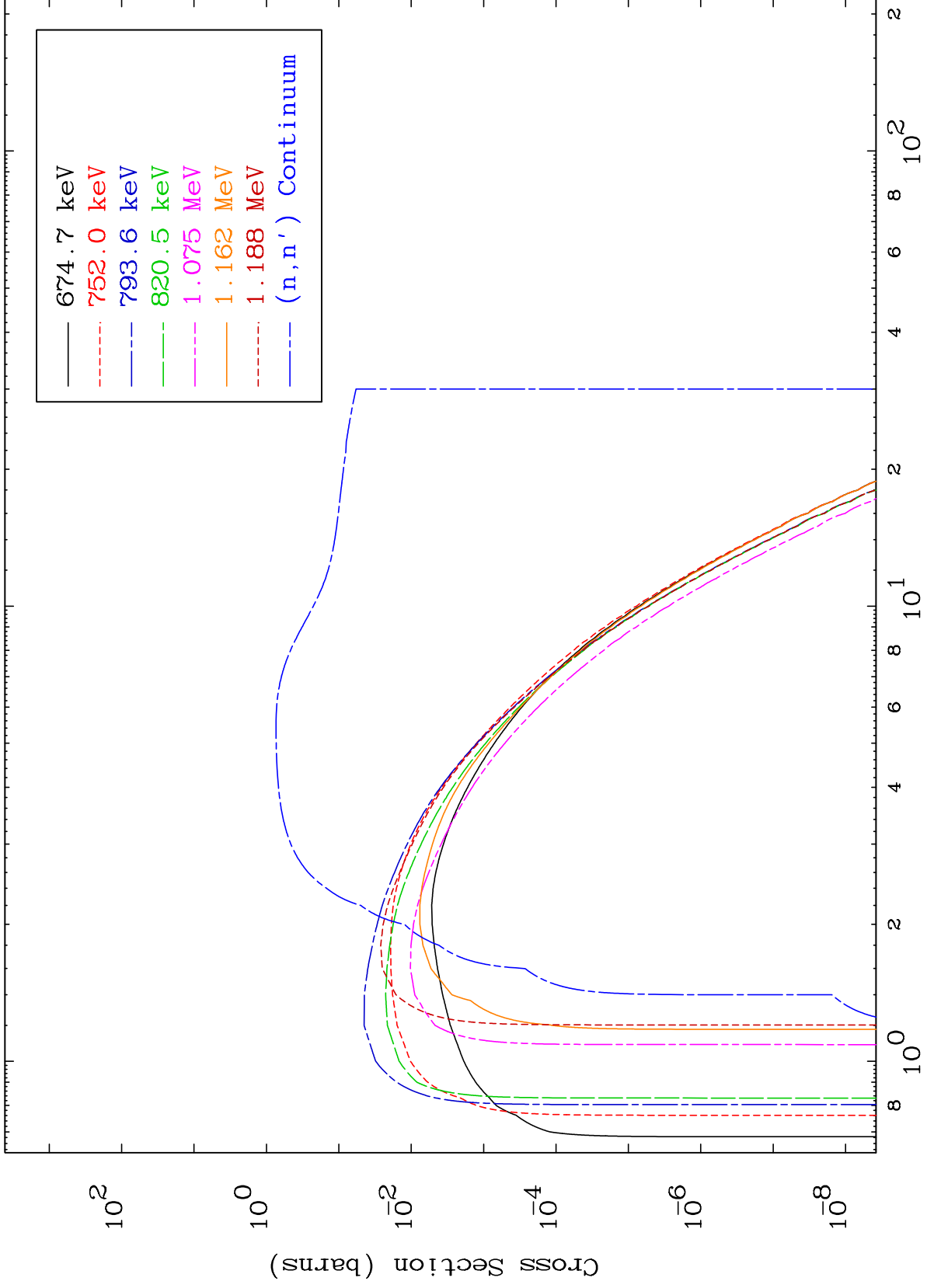
39-Y -83



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(n,n') Level  
293 Kelvin Cross Sections

39-Y -83



8

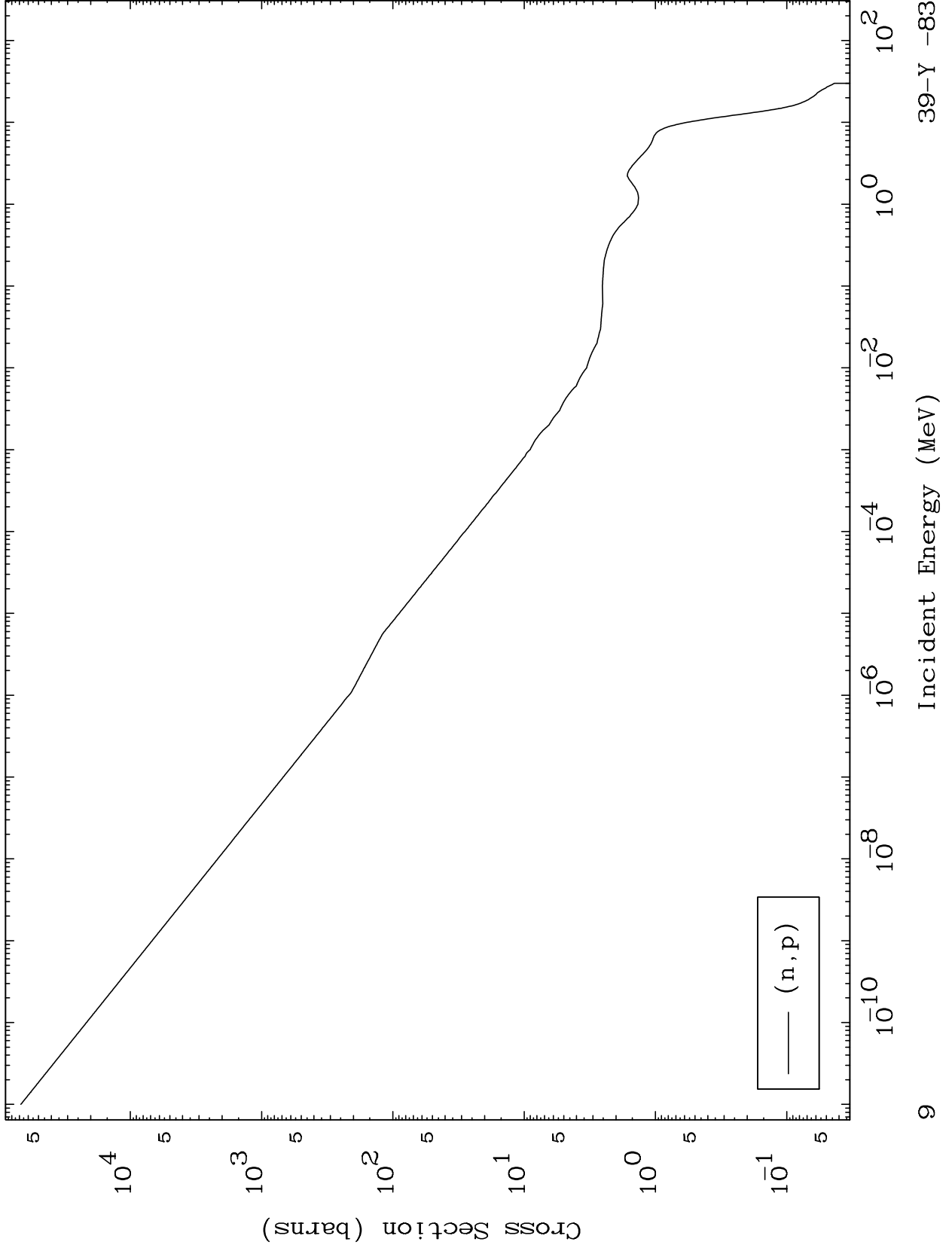
Incident Energy (MeV)

39-Y -83

MAT 3908

(n,p) Levels  
293 Kelvin Cross Sections

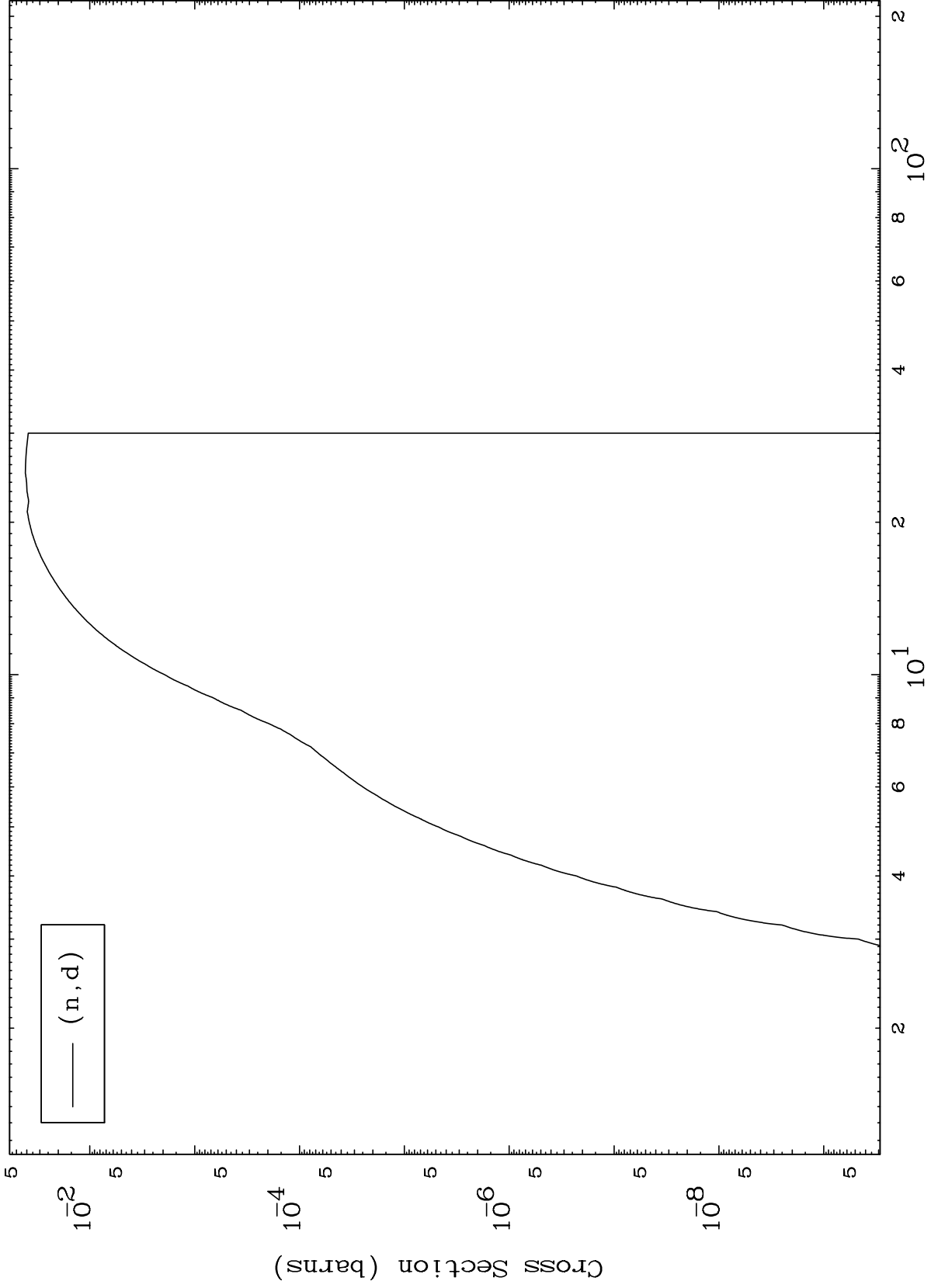
39-Y -83



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(n,d) Levels  
293 Kelvin Cross Sections

39-Y -83



10

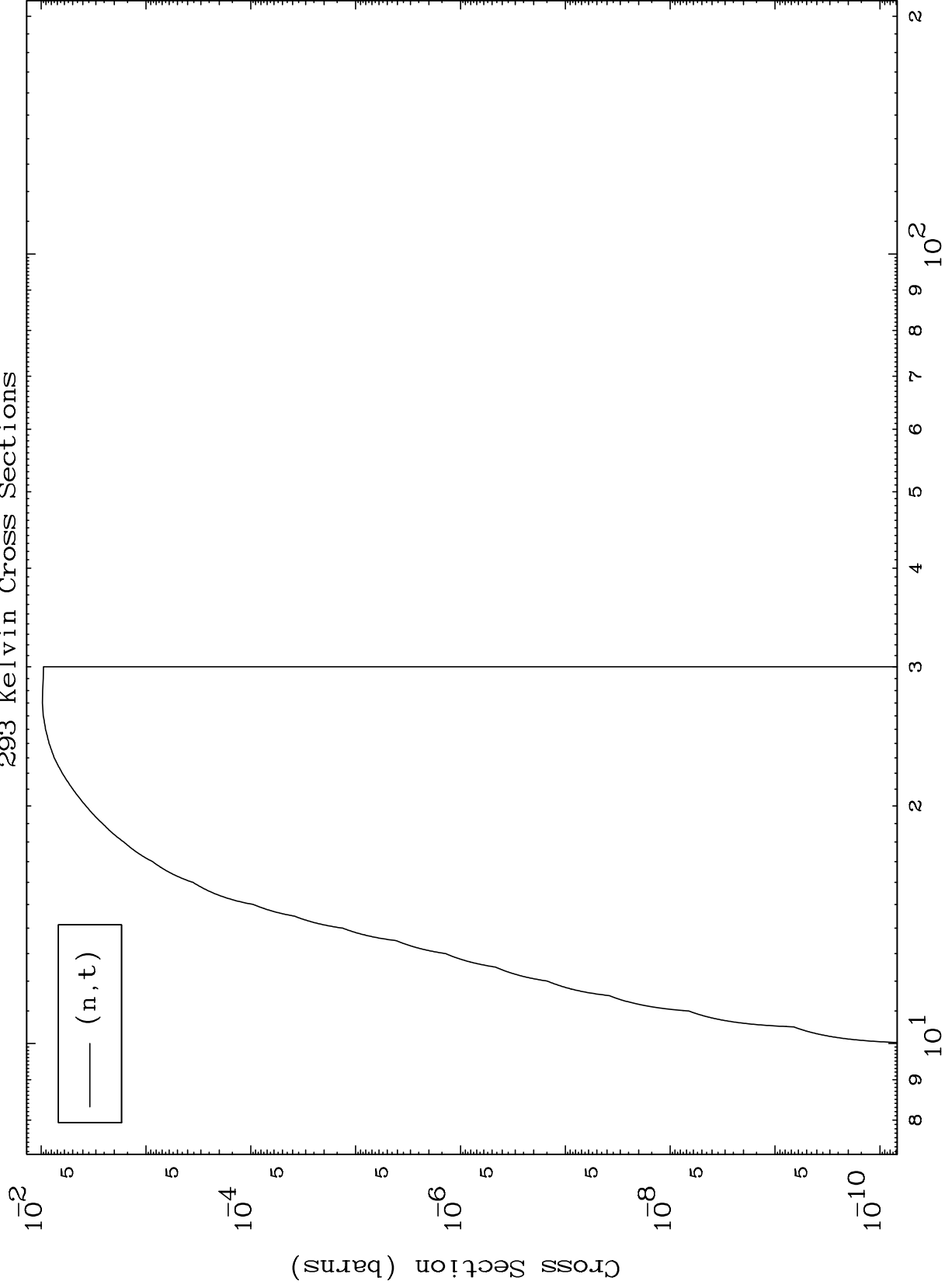
Incident Energy (MeV)

39-Y -83

MAT 3908

(n,t) Levels  
293 Kelvin Cross Sections

39-Y -83



11

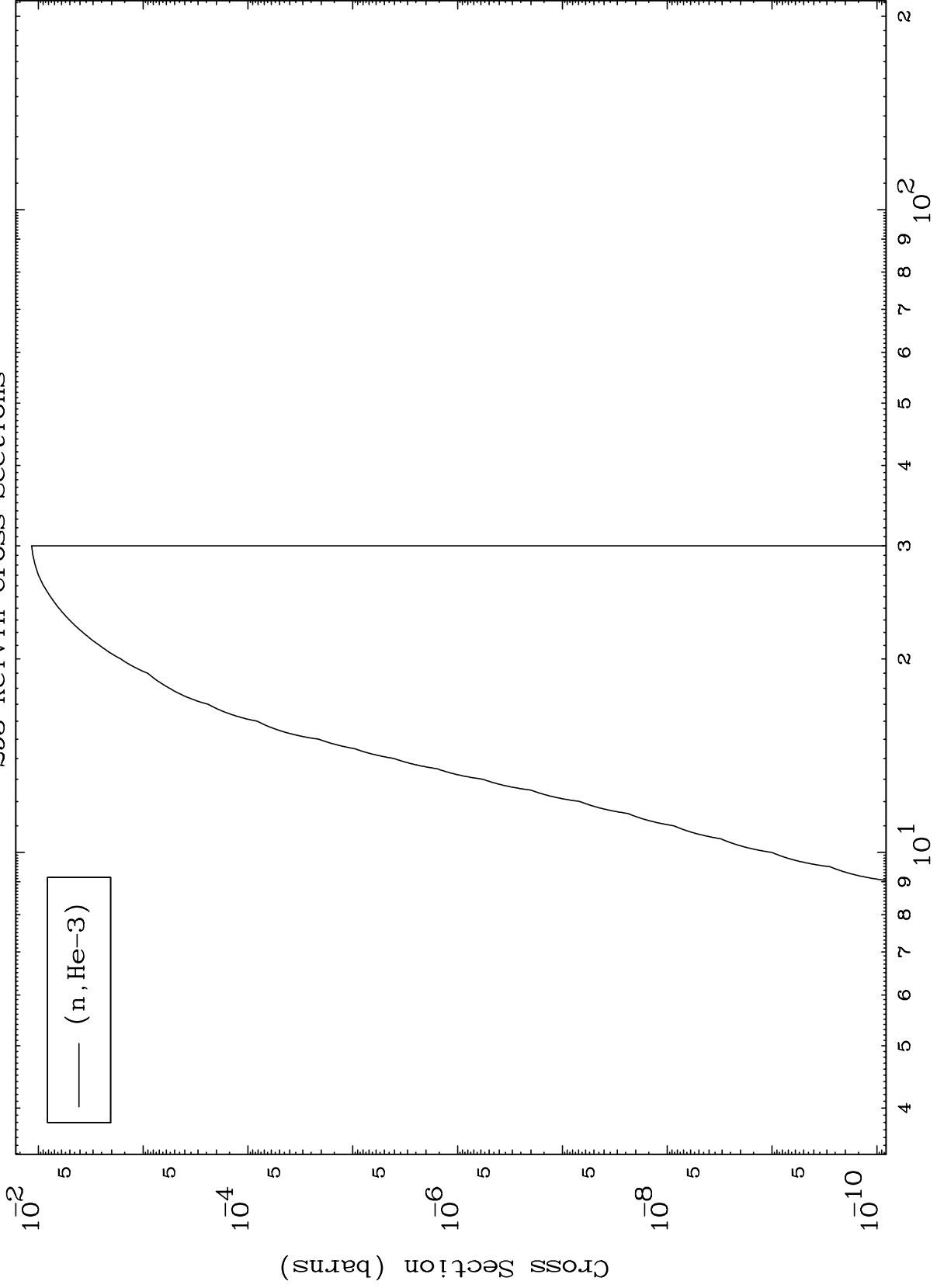
Incident Energy (MeV)

39-Y -83

MAT 3908

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -83



12

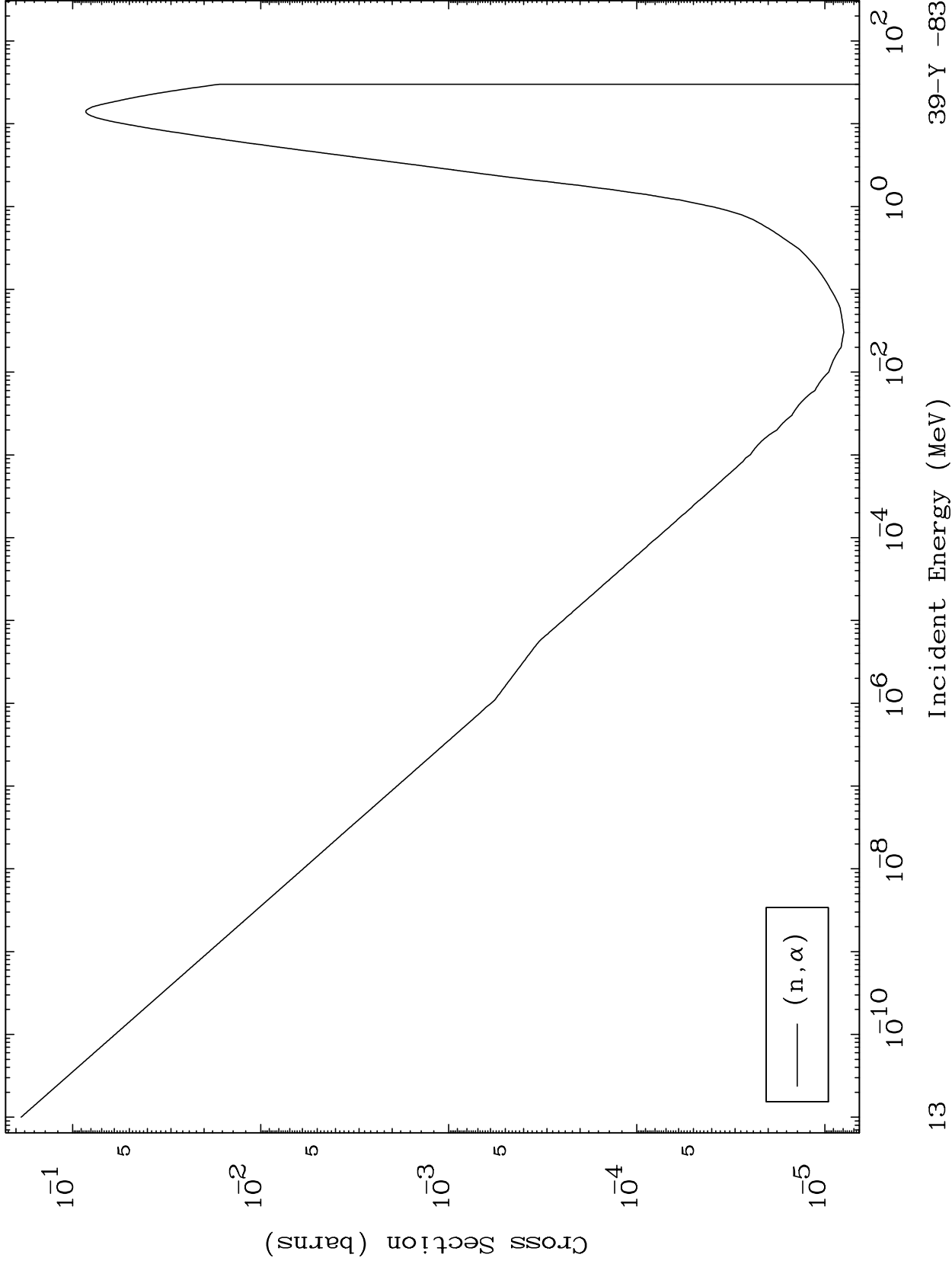
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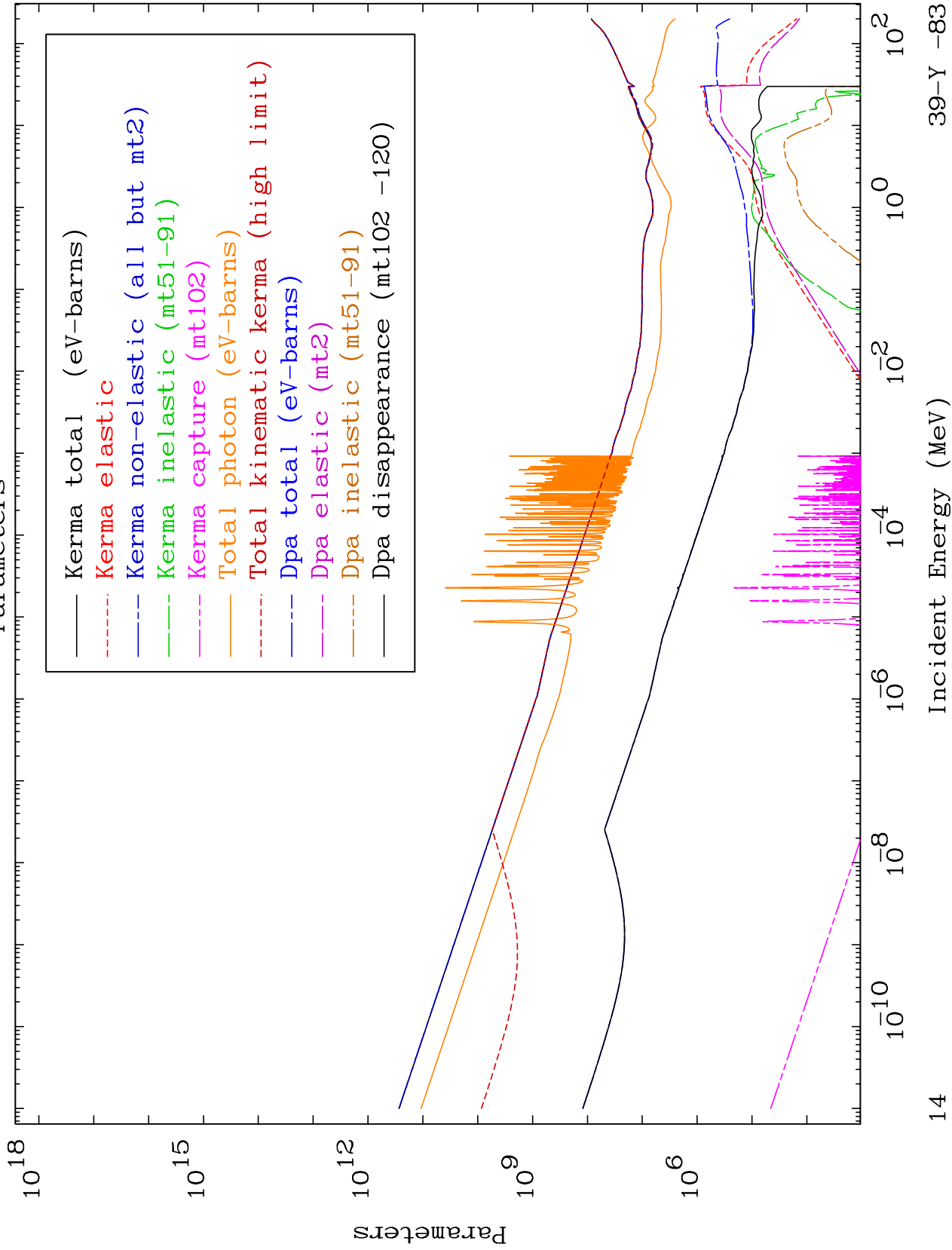
39-Y -83

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(n,α) Levels  
293 Kelvin Cross Sections

39-Y -83





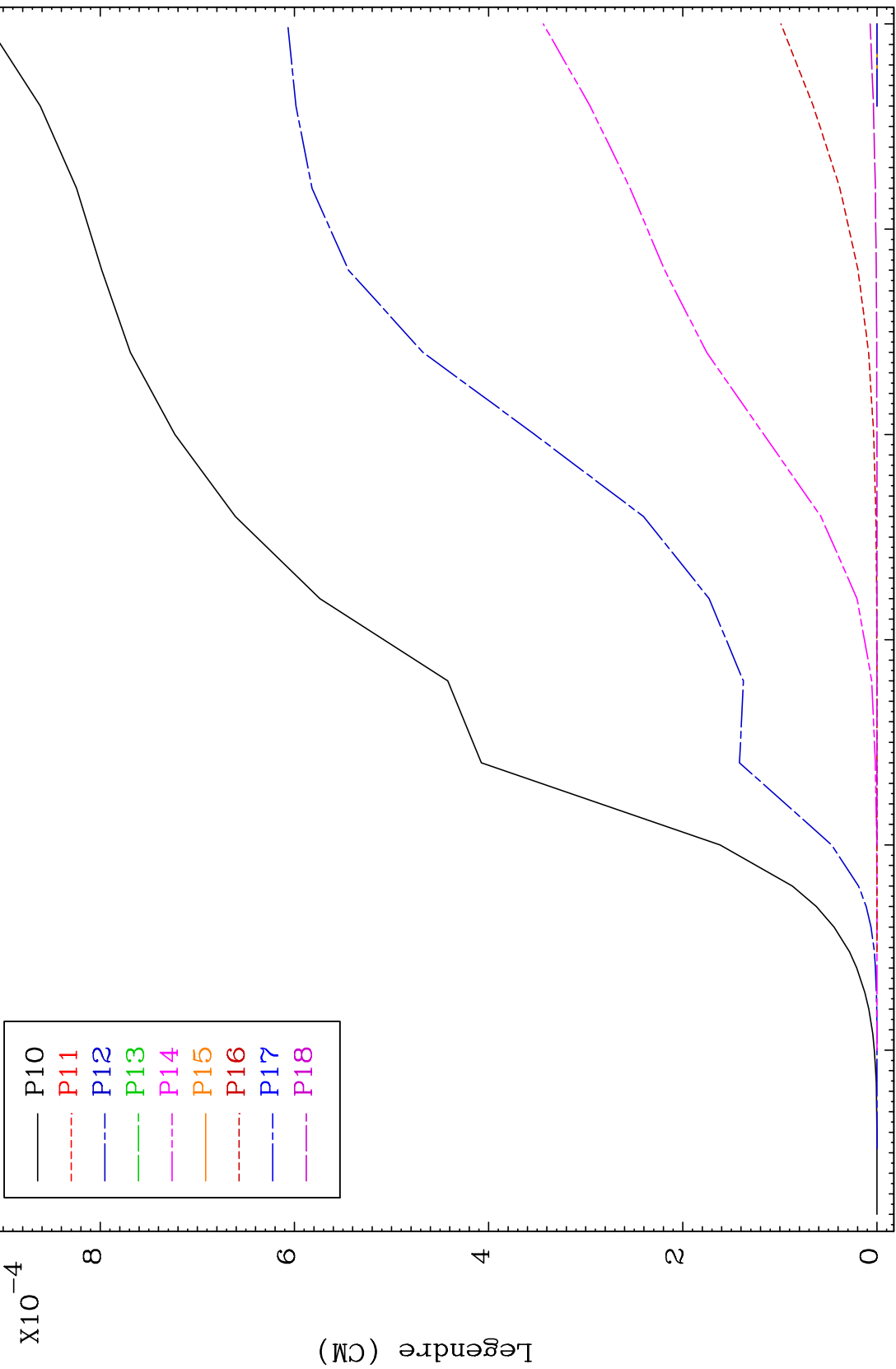
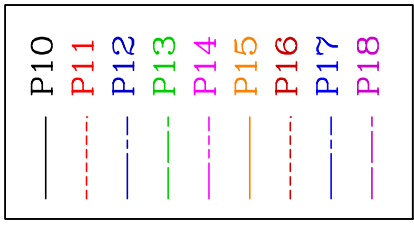




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Elastic Legendre Coefficients

39-Y -83



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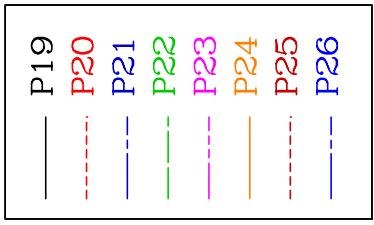
Incident Energy (MeV)

39-Y -83

MAT 3908

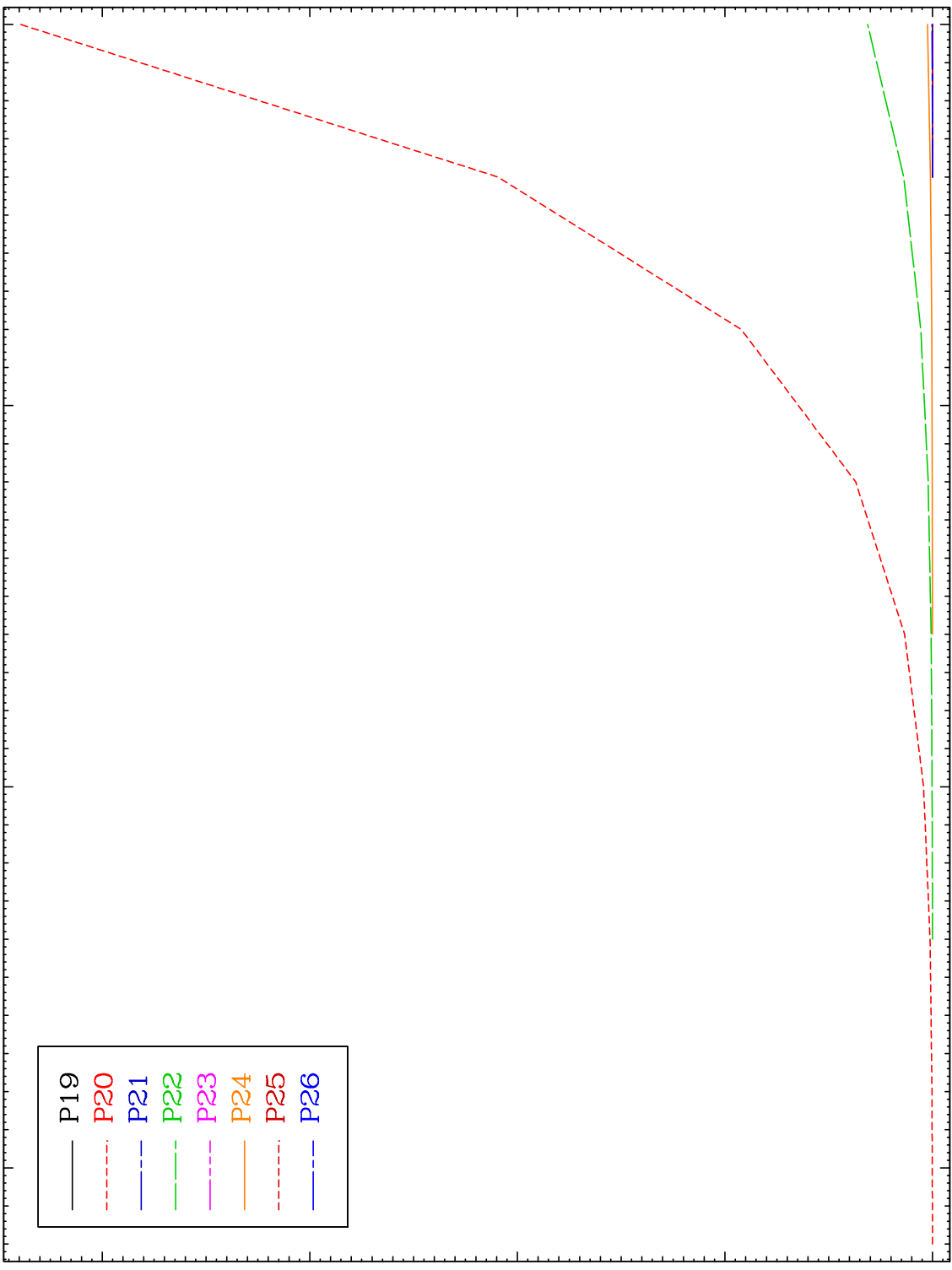
### Elastic Legendre Coefficients

39-Y -83



$\times 10^{-7}$

Legendre (CM)



17

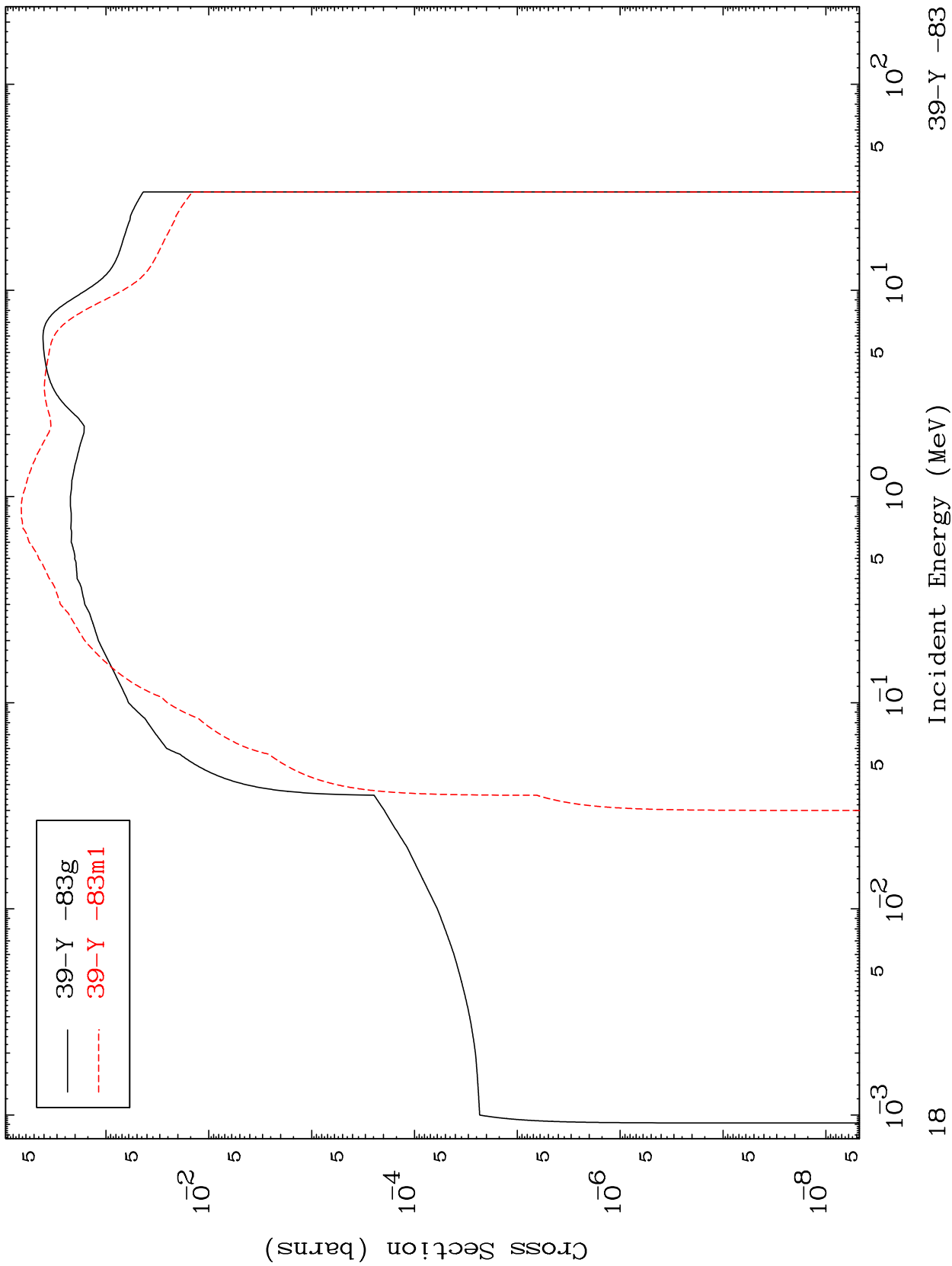
Incident Energy (MeV)

39-Y -83

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39-Y -83

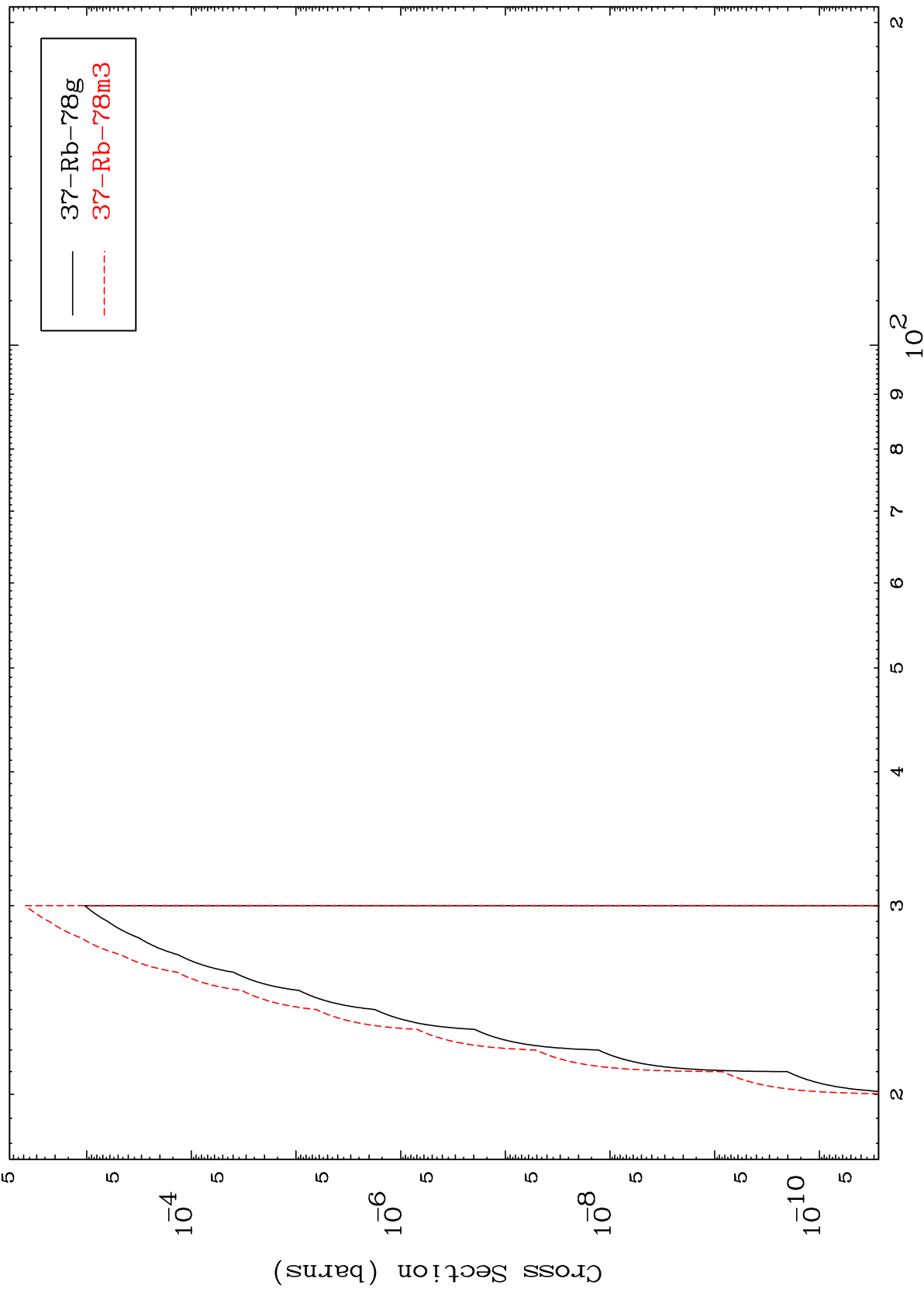
Radionuclide Production Cross Section



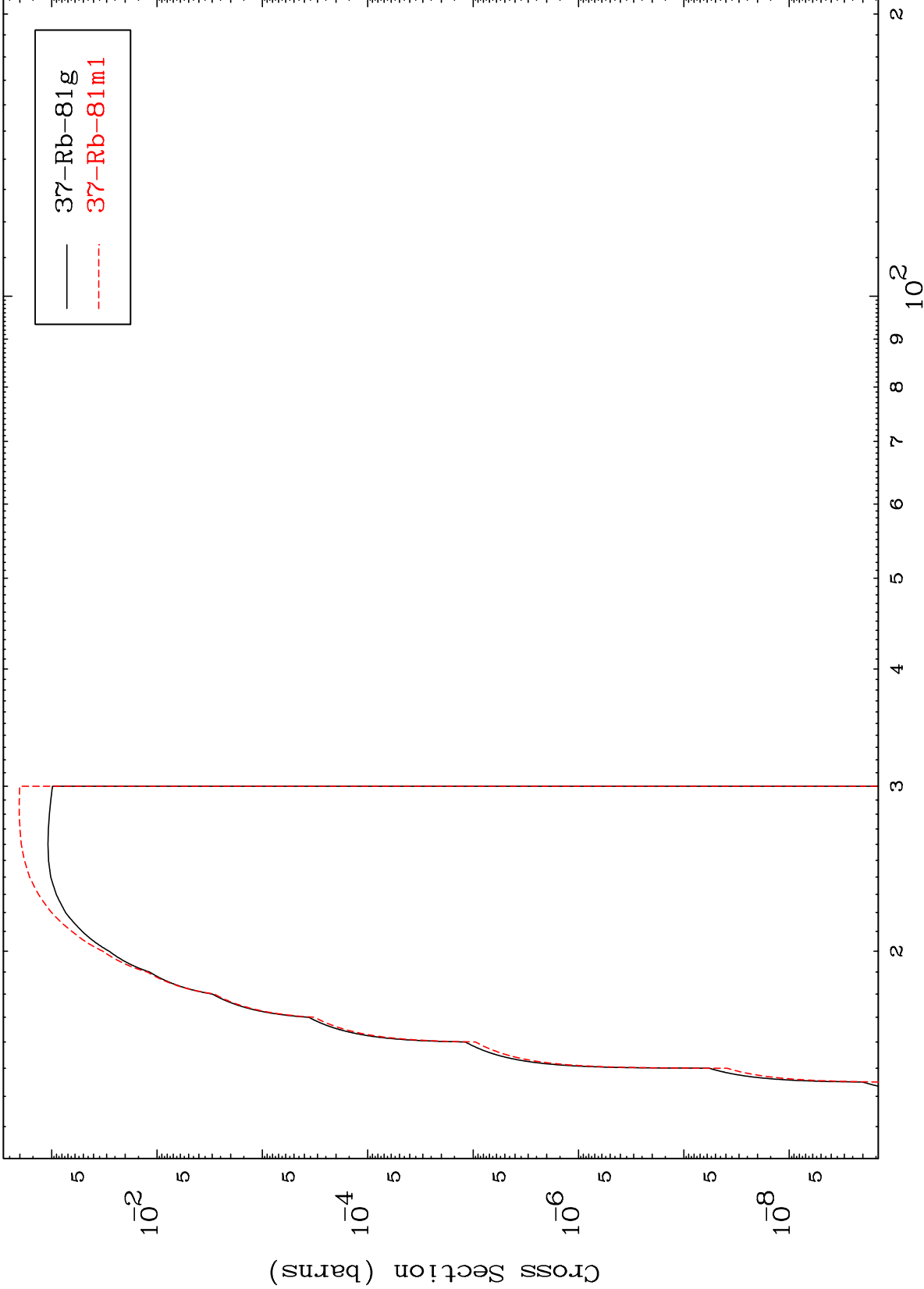
18

39-Y -83

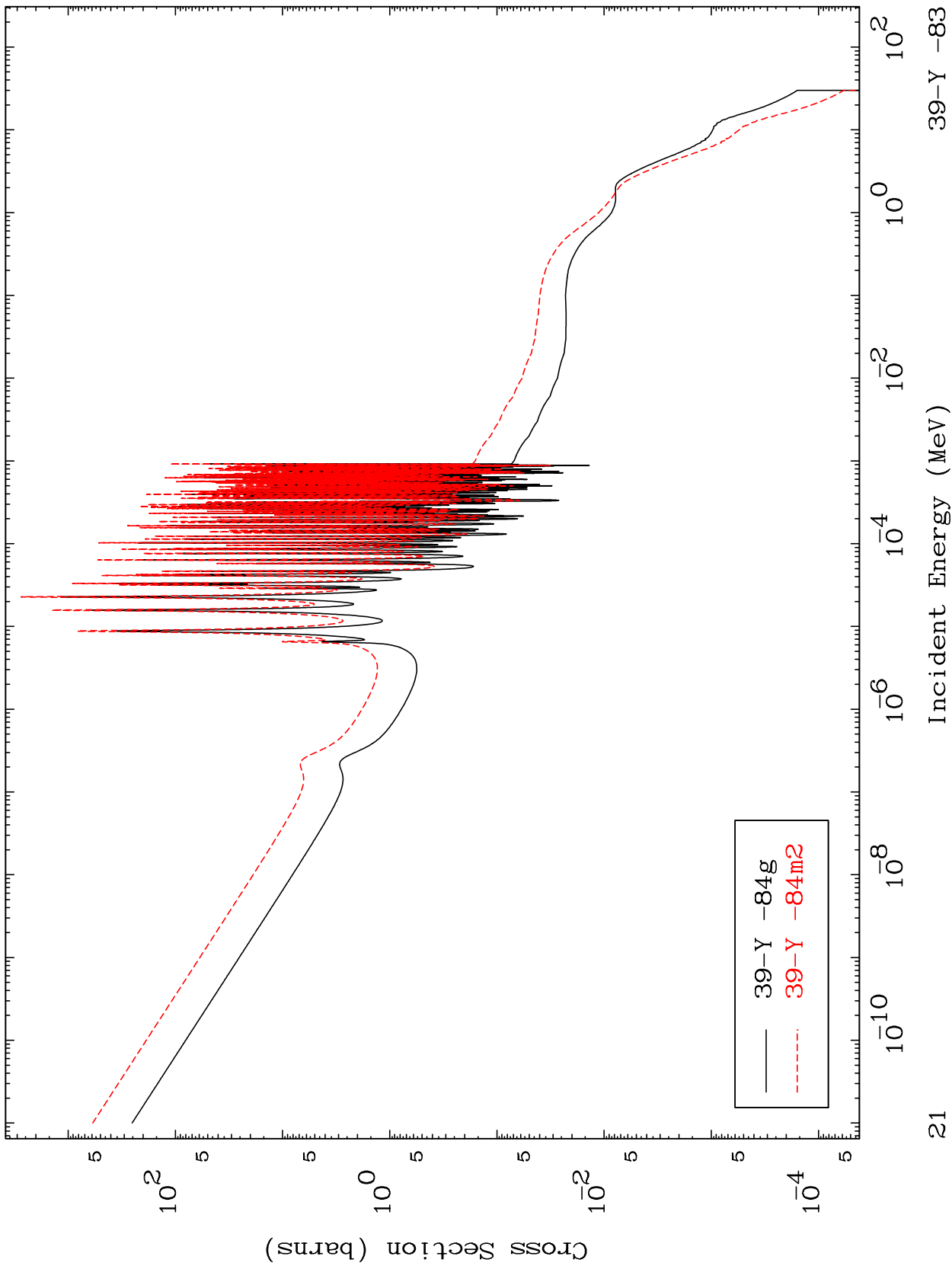
Radionuclide Production Cross Section



Radionuclide Production Cross Section



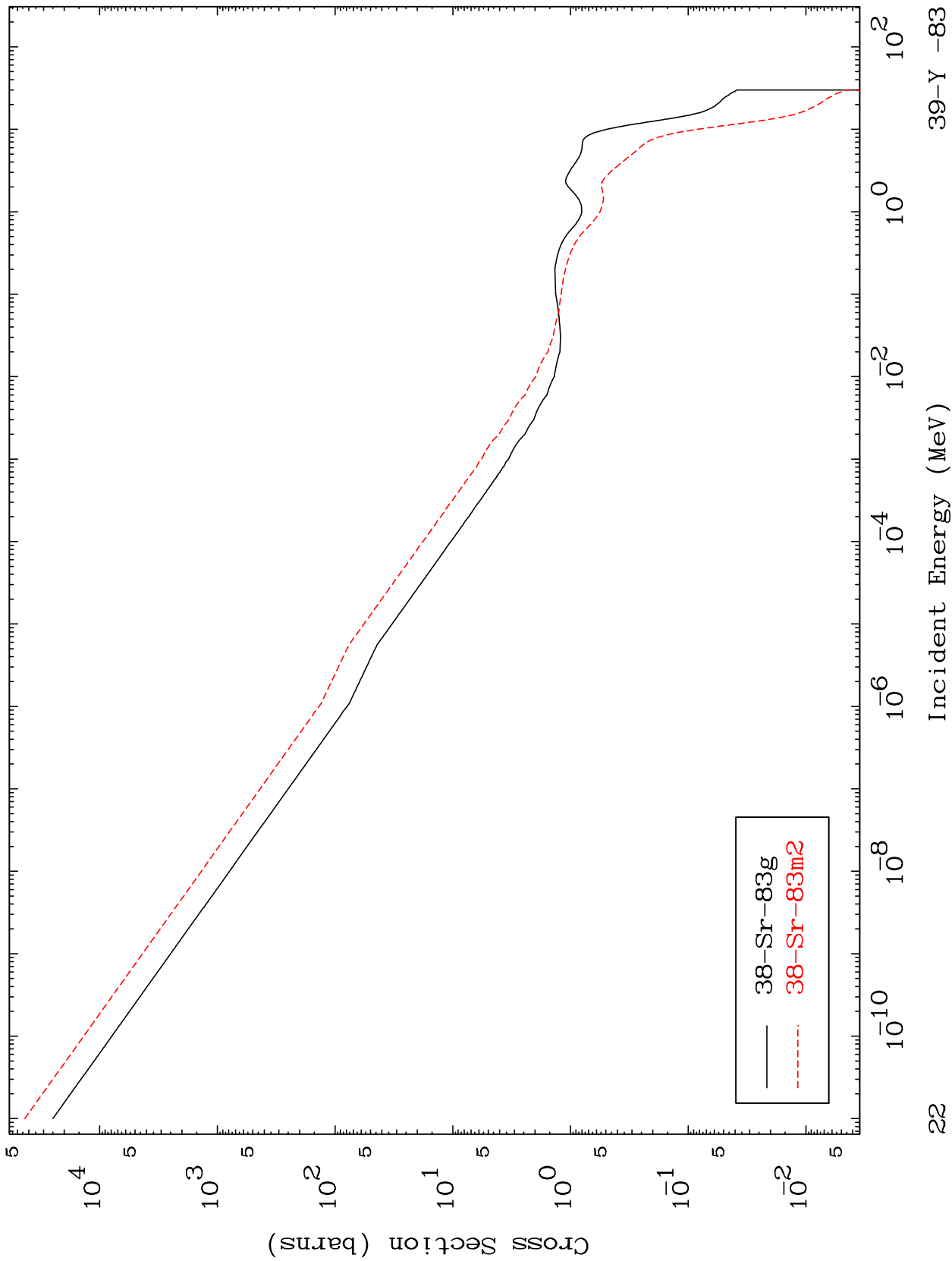
Radionuclide Production Cross Section  
(n,γ)

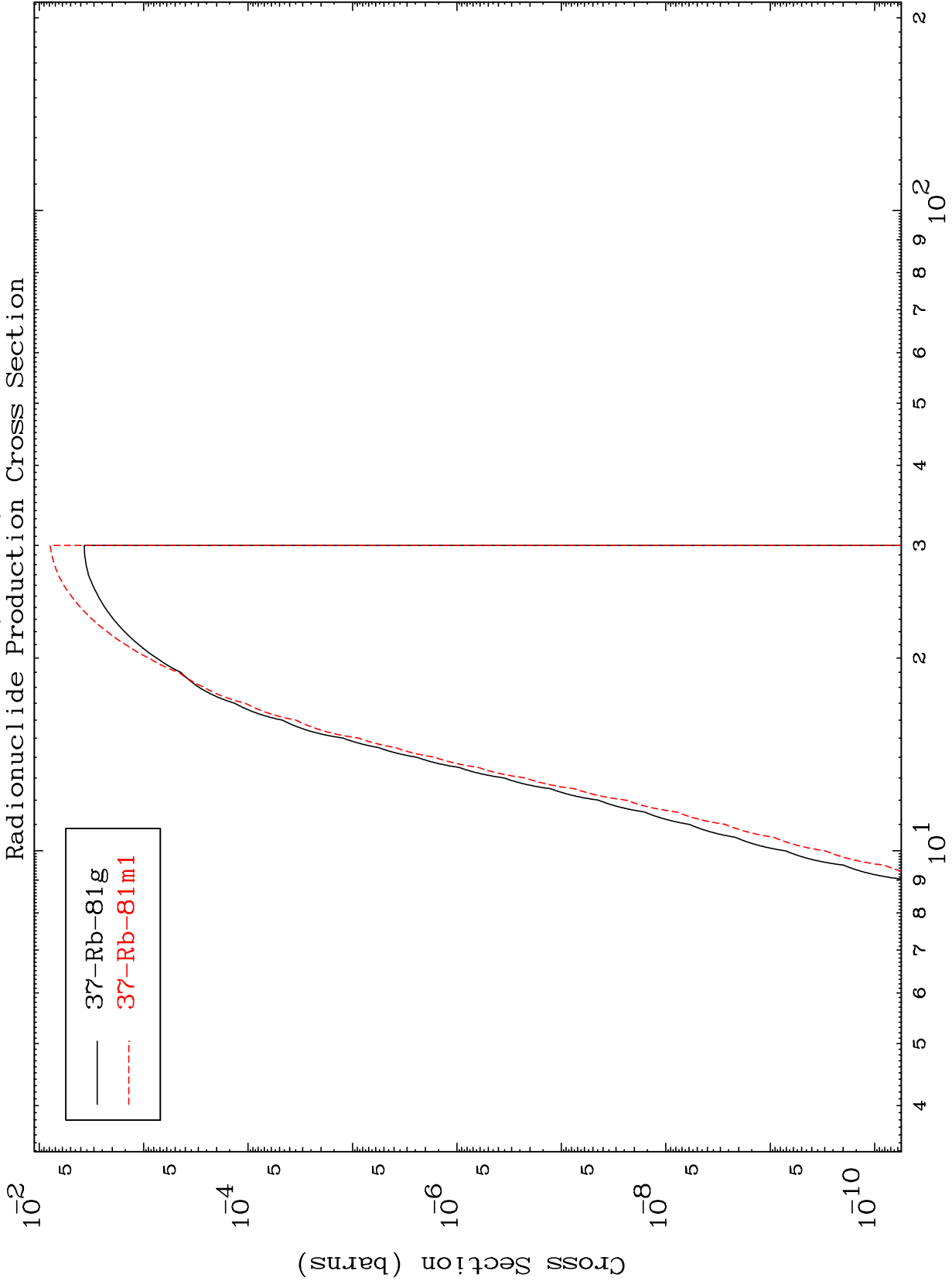


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39-Y -83

Radionuclide Production Cross Section (n,p)





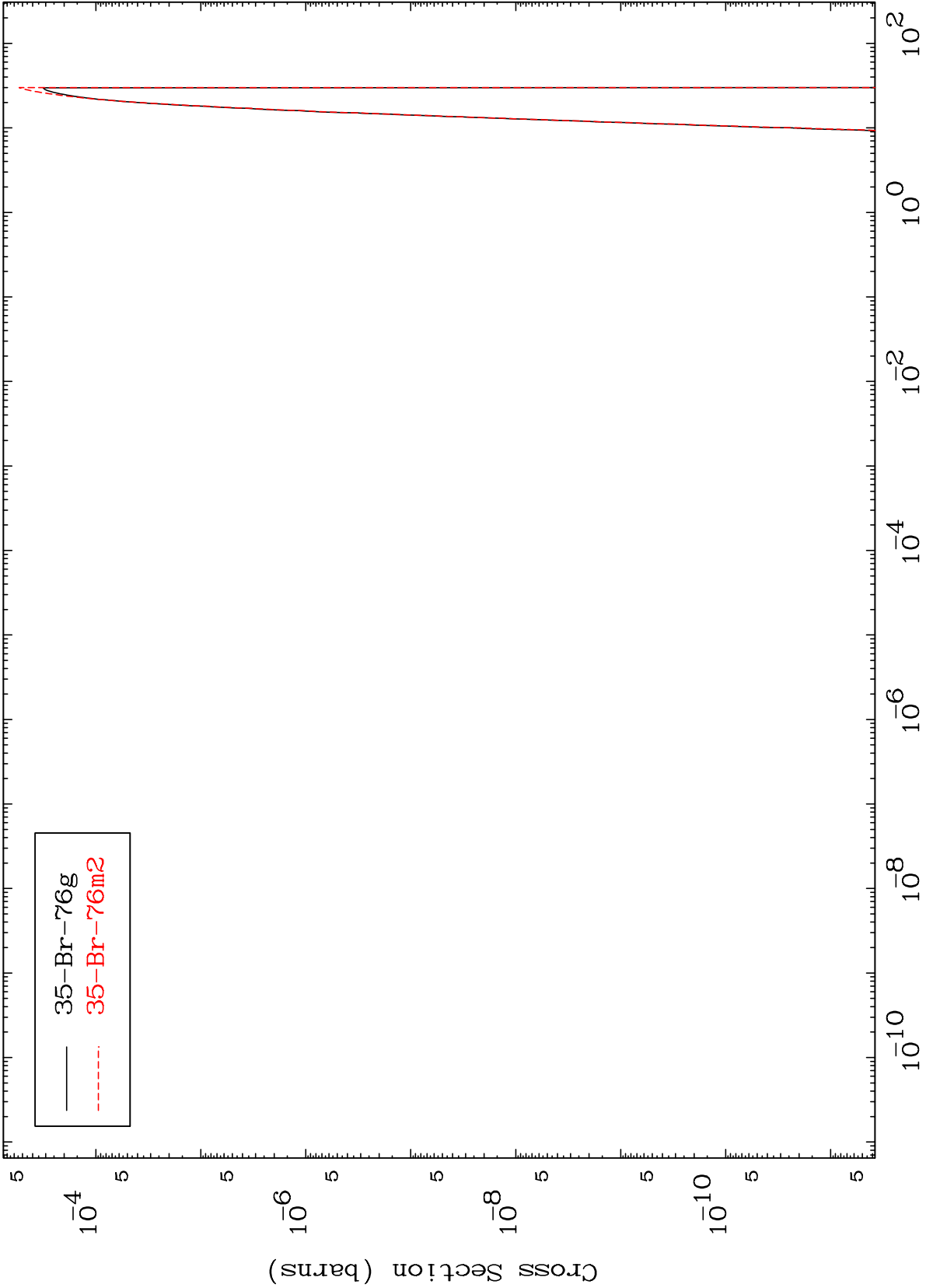


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(n,2α)

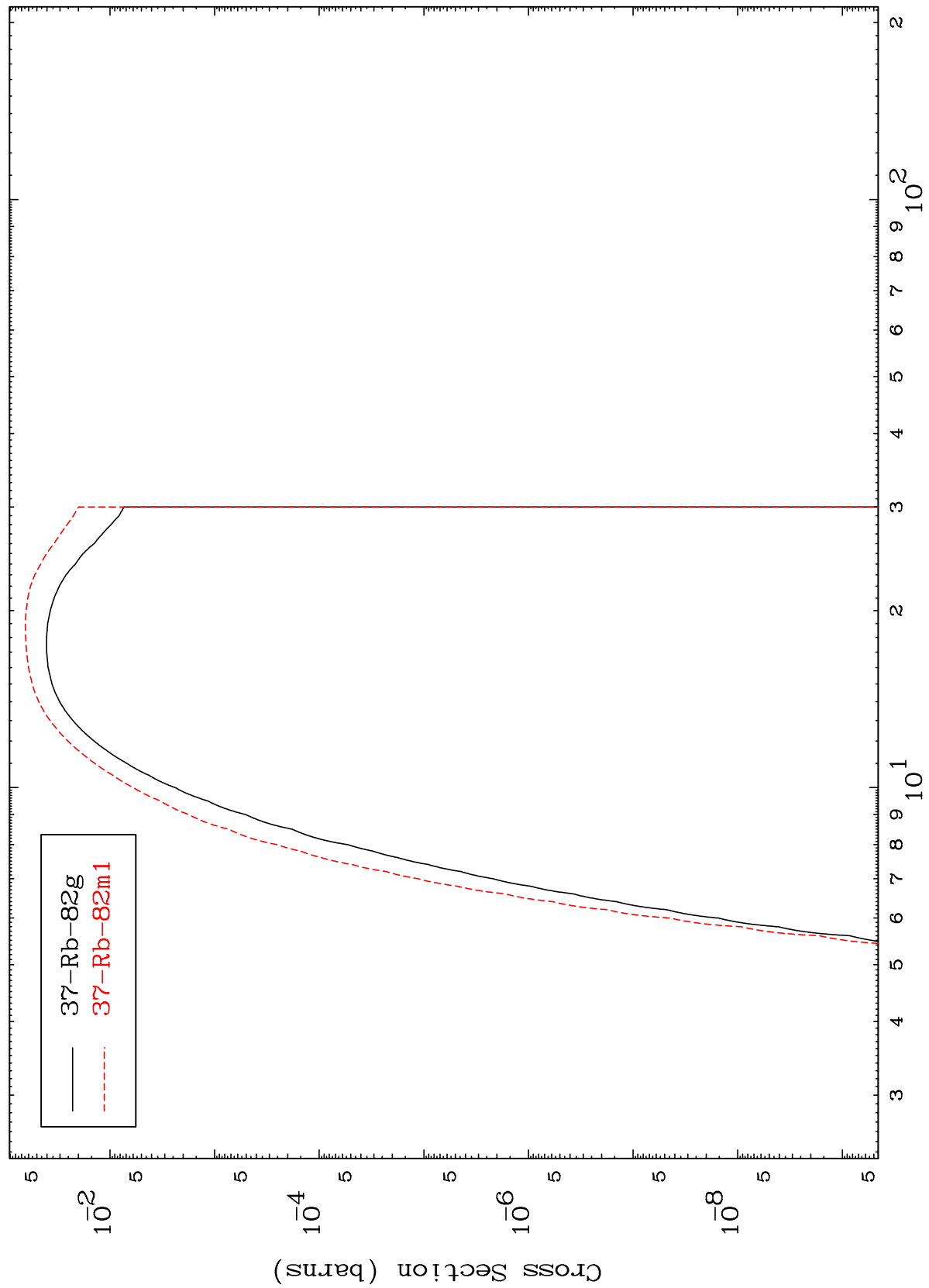
39-Y -83

Radionuclide Production Cross Section



— 35-Br-76g  
- - - 35-Br-76m2

Radionuclide Production Cross Section (n,2p)

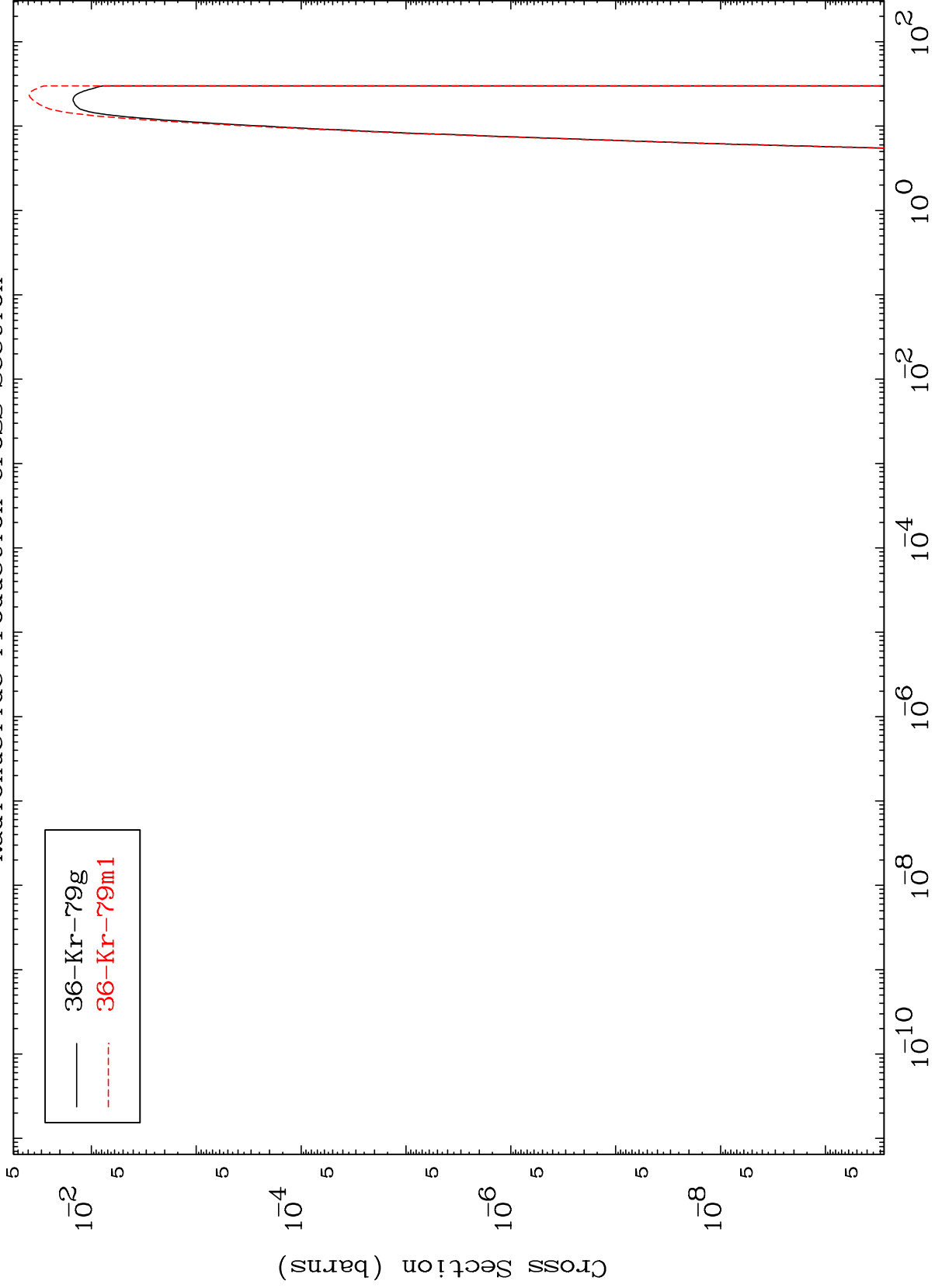


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(n,p)  $\alpha$

39-Y -83

Radionuclide Production Cross Section



— 36-Kr-79g  
- - - 36-Kr-79m1

26

Incident Energy (MeV)

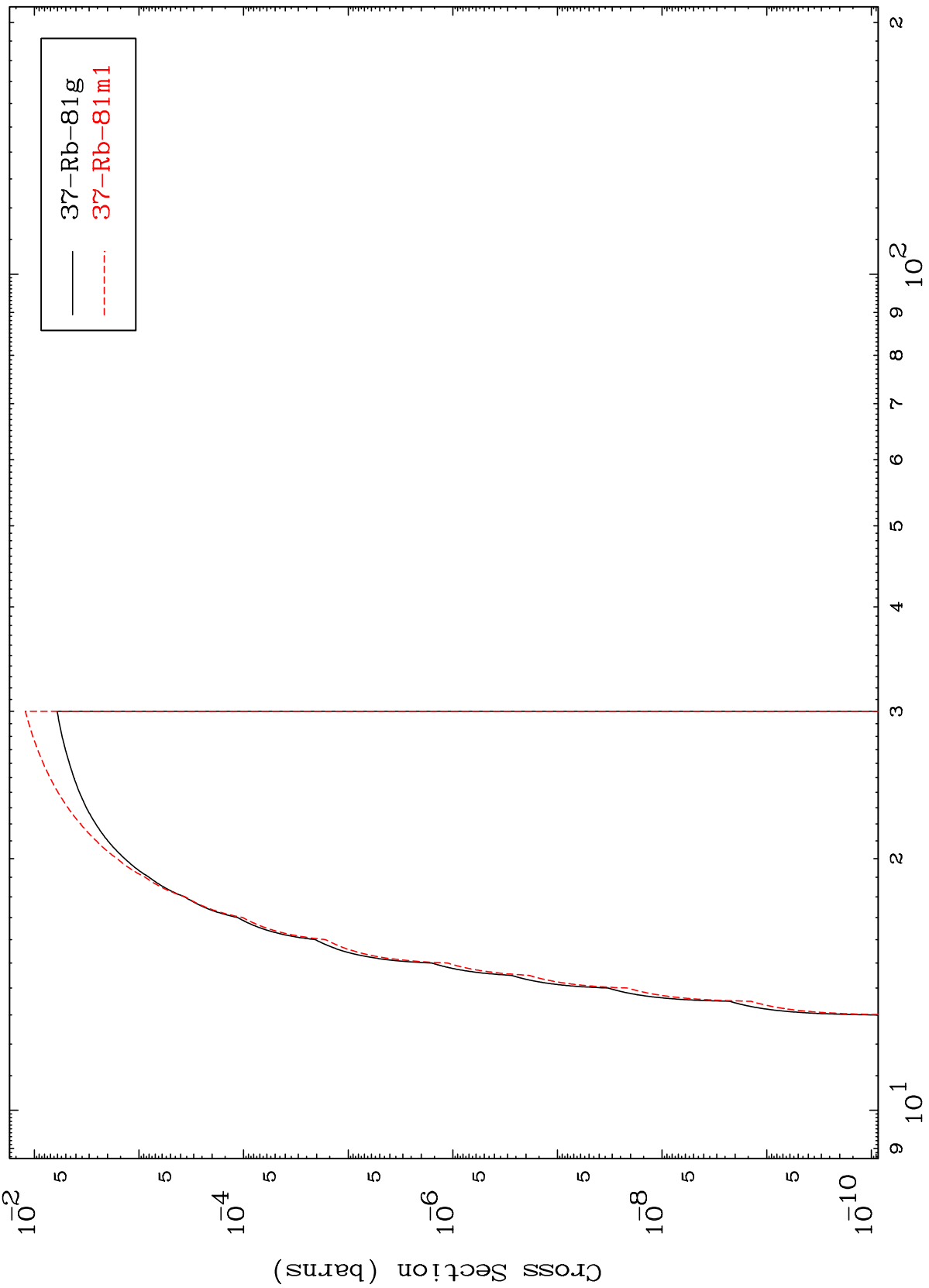
39-Y -83

MAT 3908

(n,p) d

39-Y -83

Radionuclide Production Cross Section



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Incident Energy (MeV)

39-Y -83