

Program EVALPLOT  
(Version 2015-2)

by

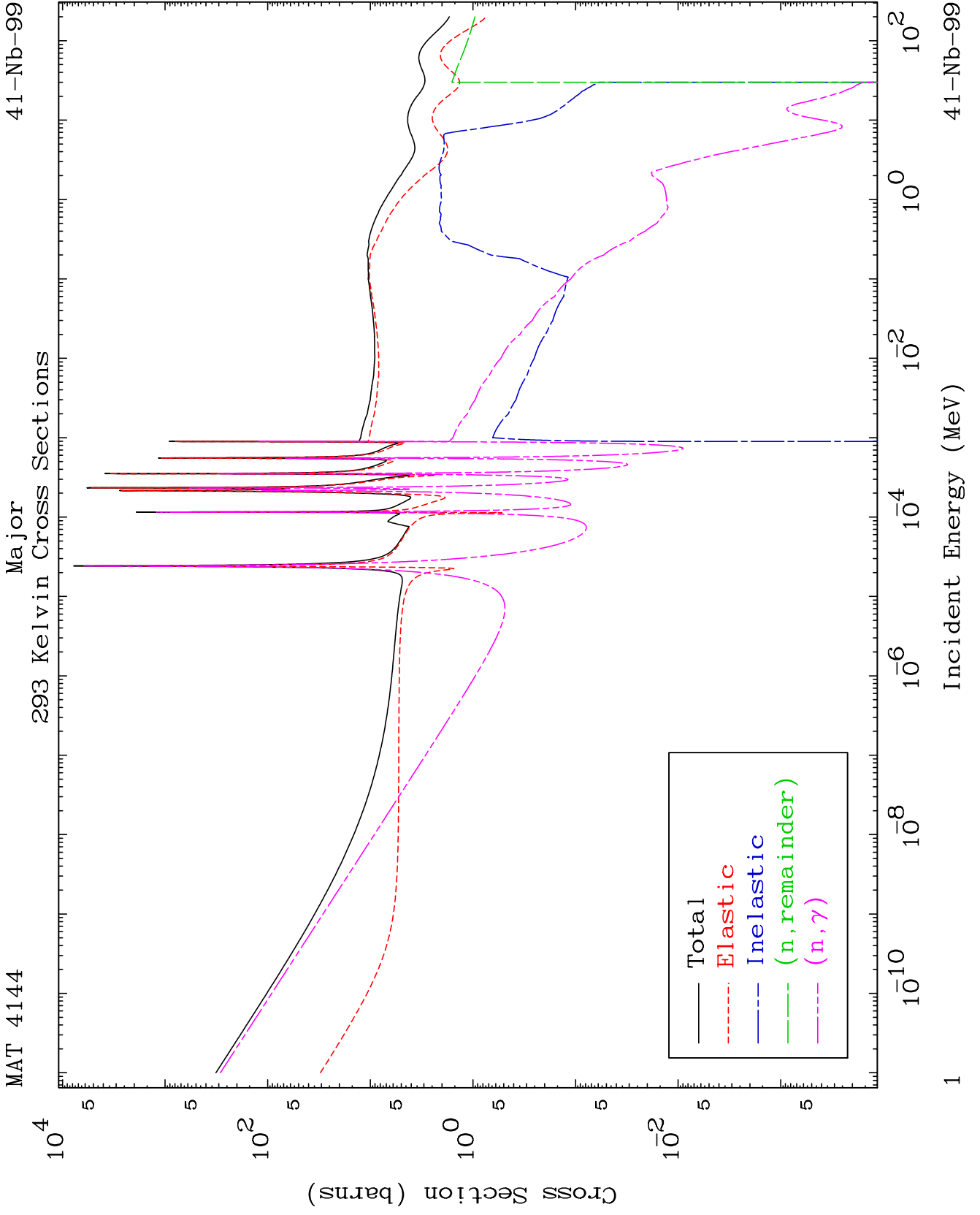
Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

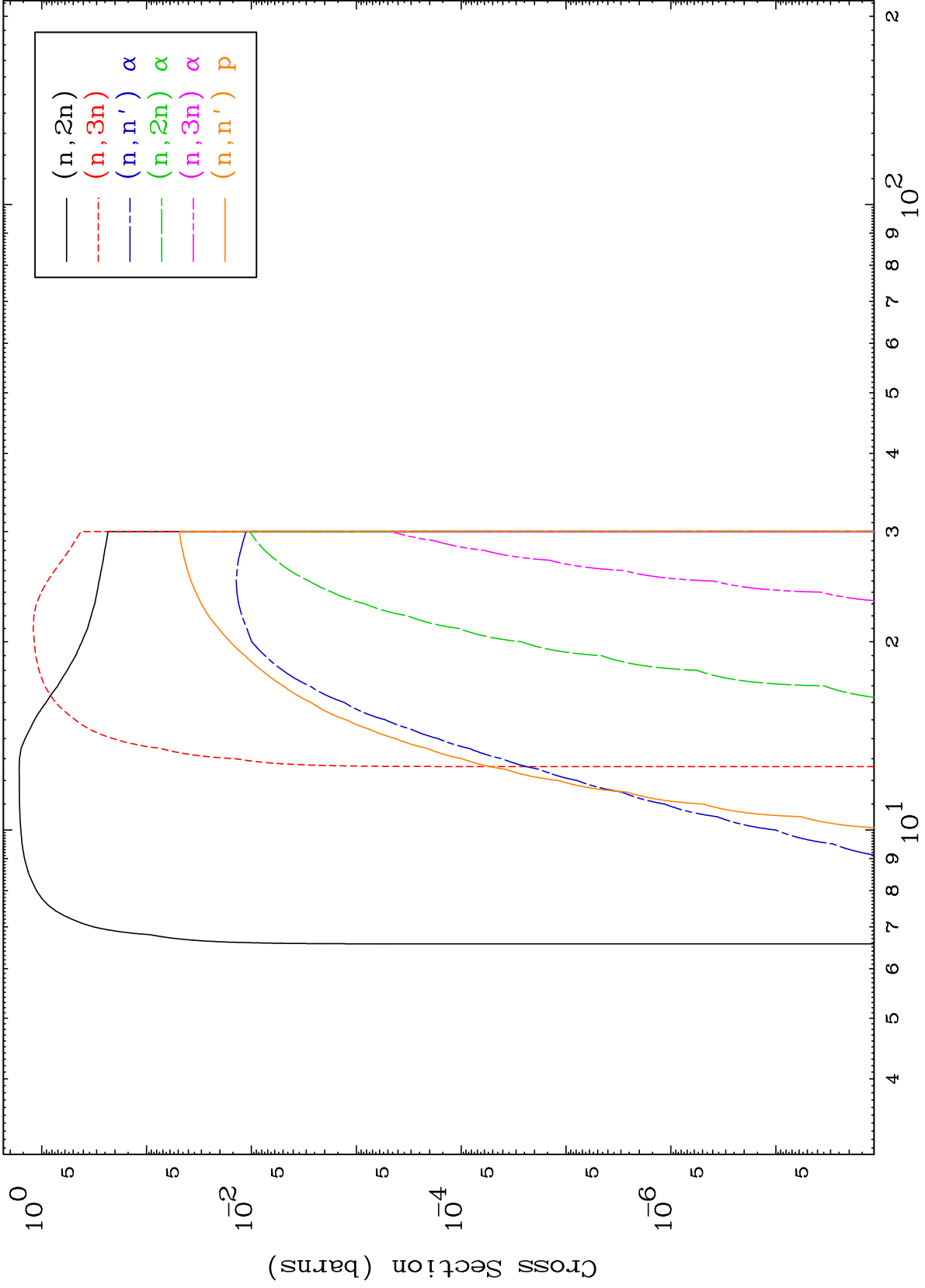
Tele: 925-443-1911

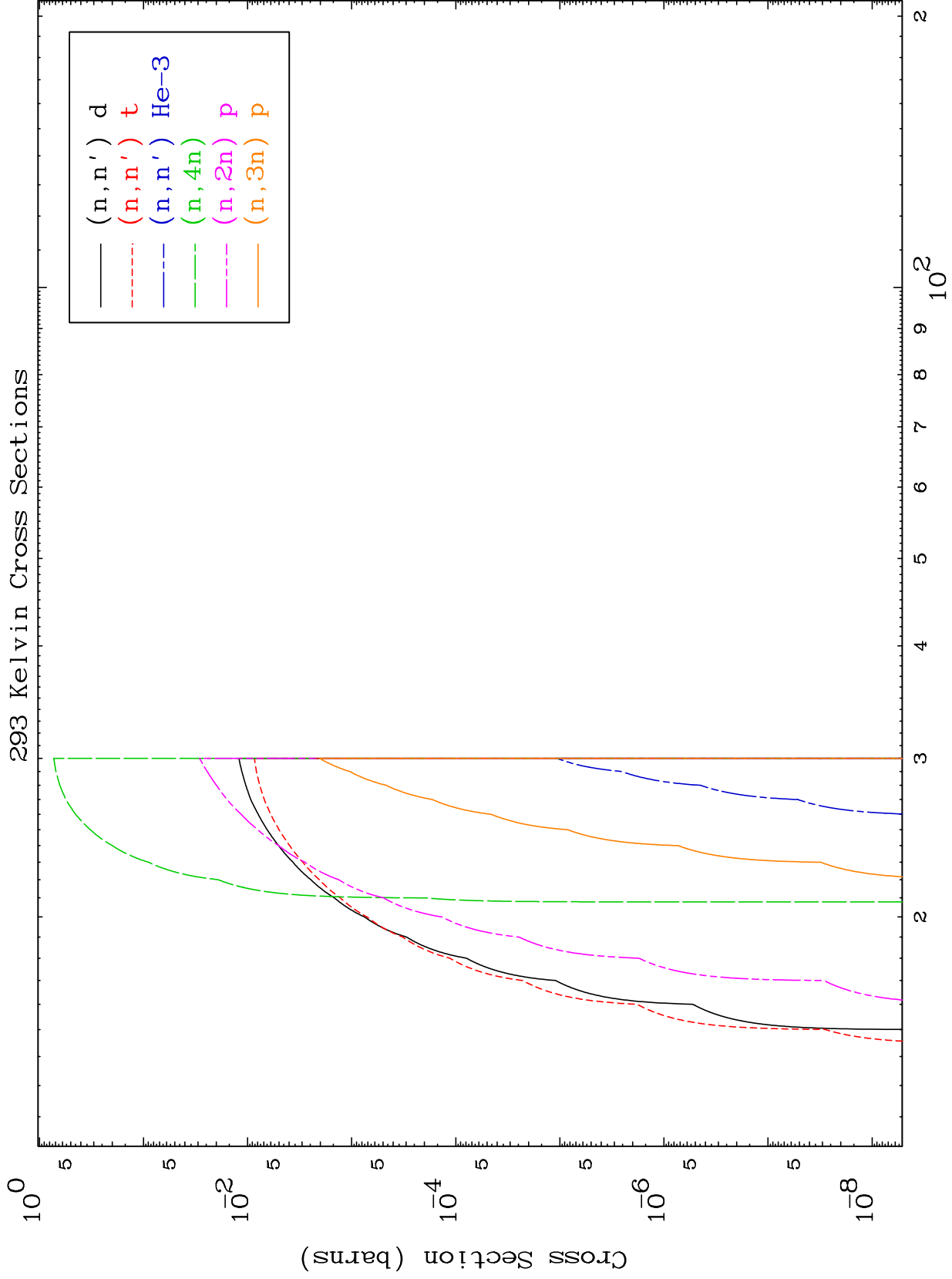
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

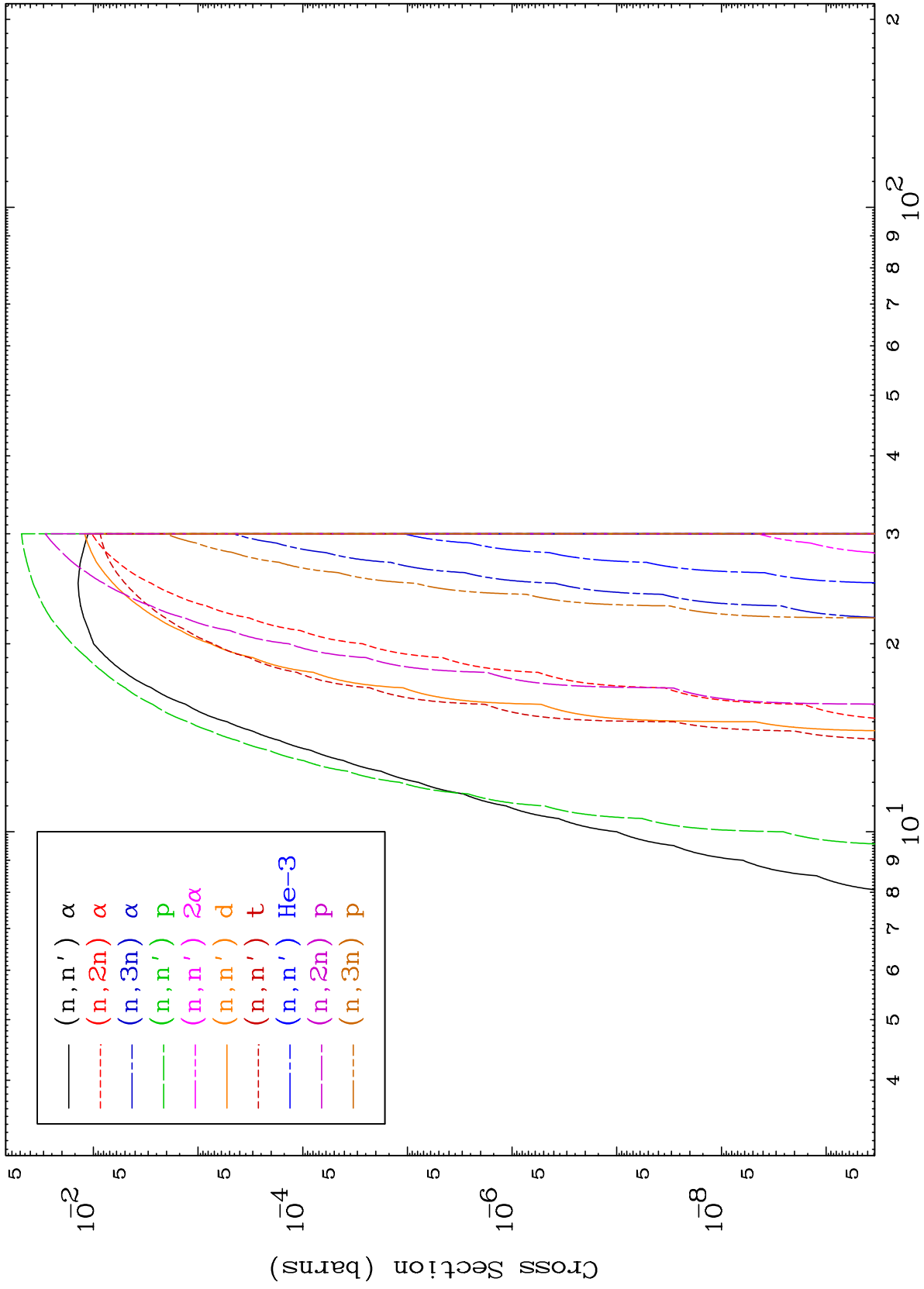
Press Mouse Button to Start



Neutron Production  
293 Kelvin Cross Sections



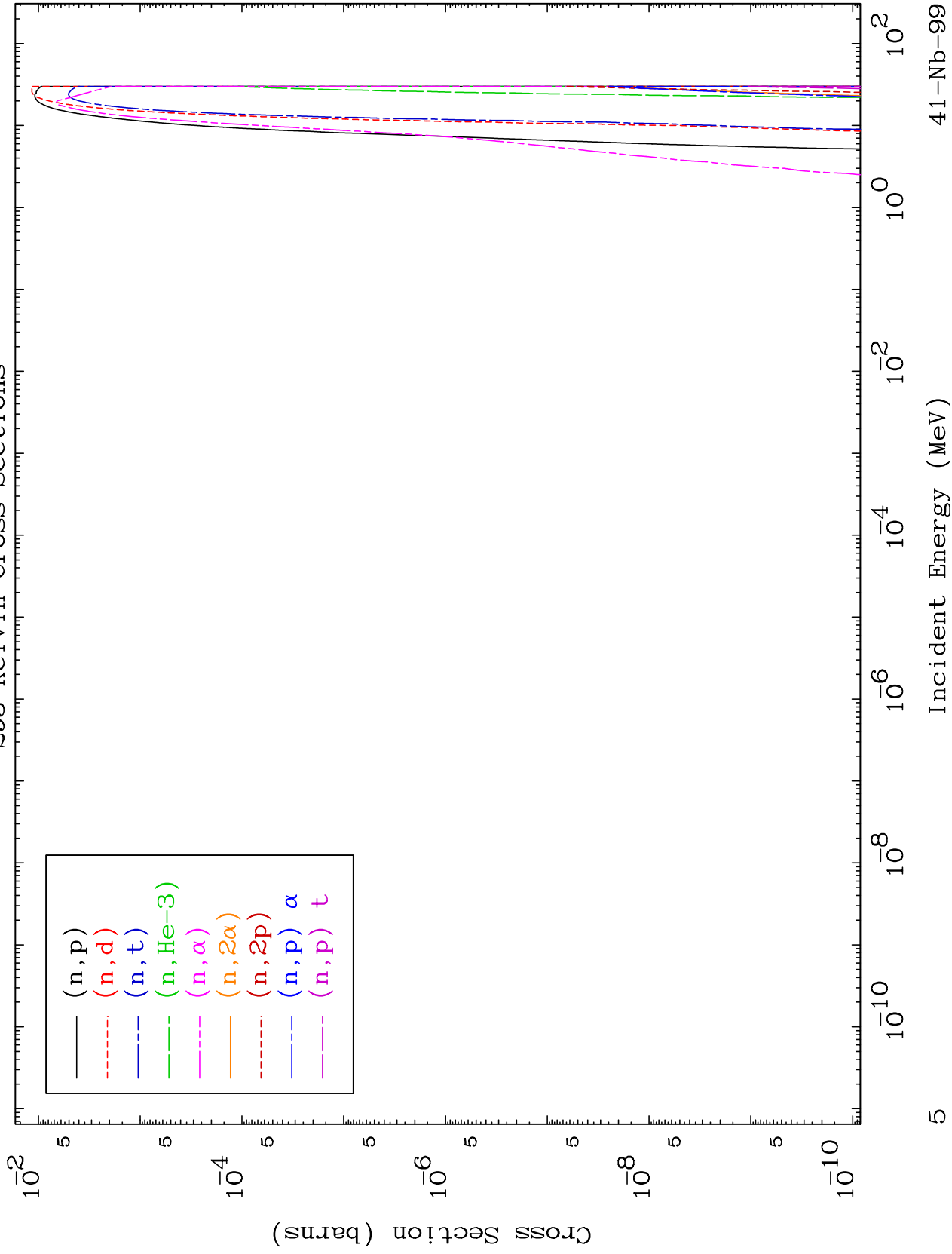




MAT 4144

Charged Particle  
293 Kelvin Cross Sections

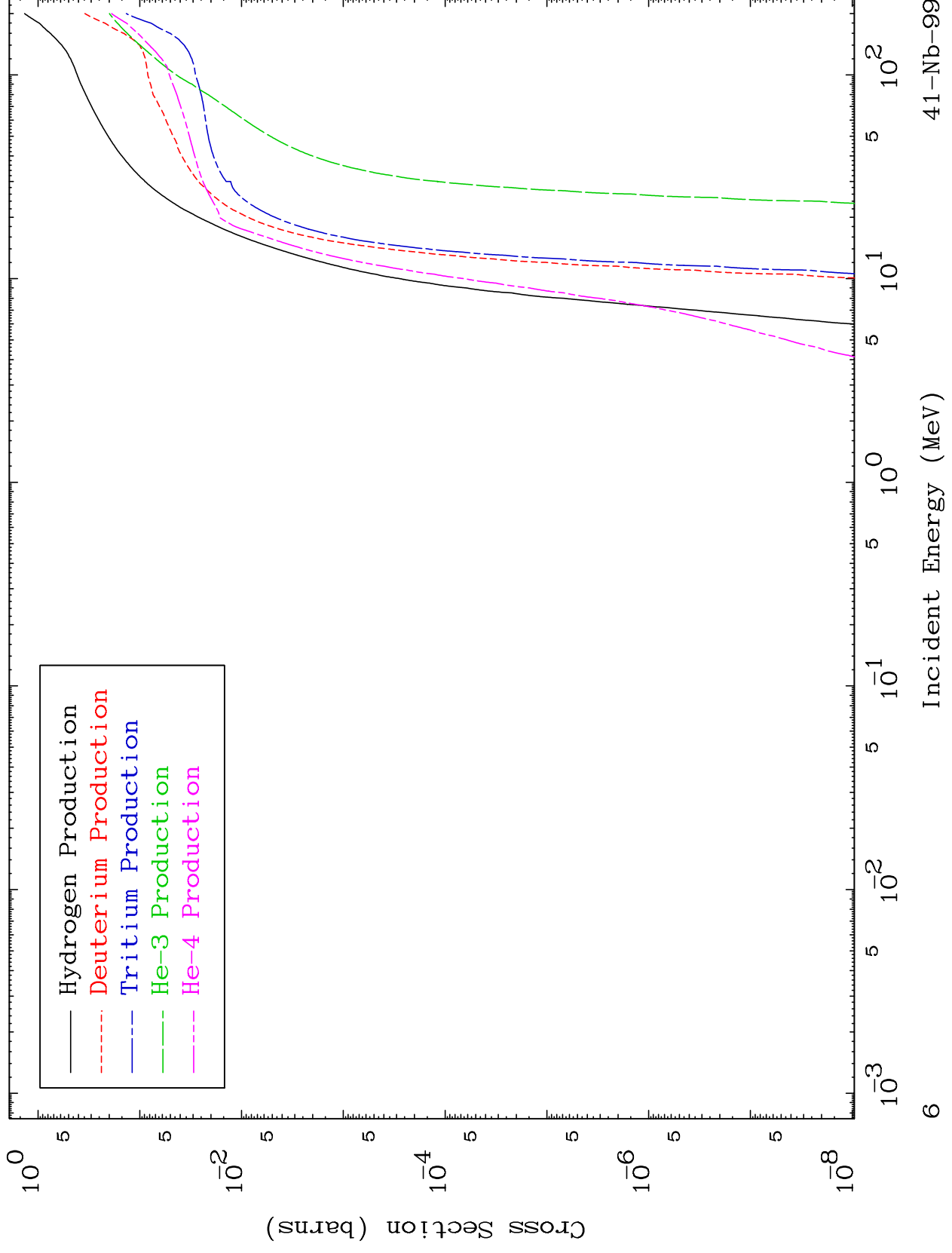
41-Nb-99



MAT 4144

Particle Production  
293 Kelvin Cross Sections

41-Nb-99



41-Nb-99

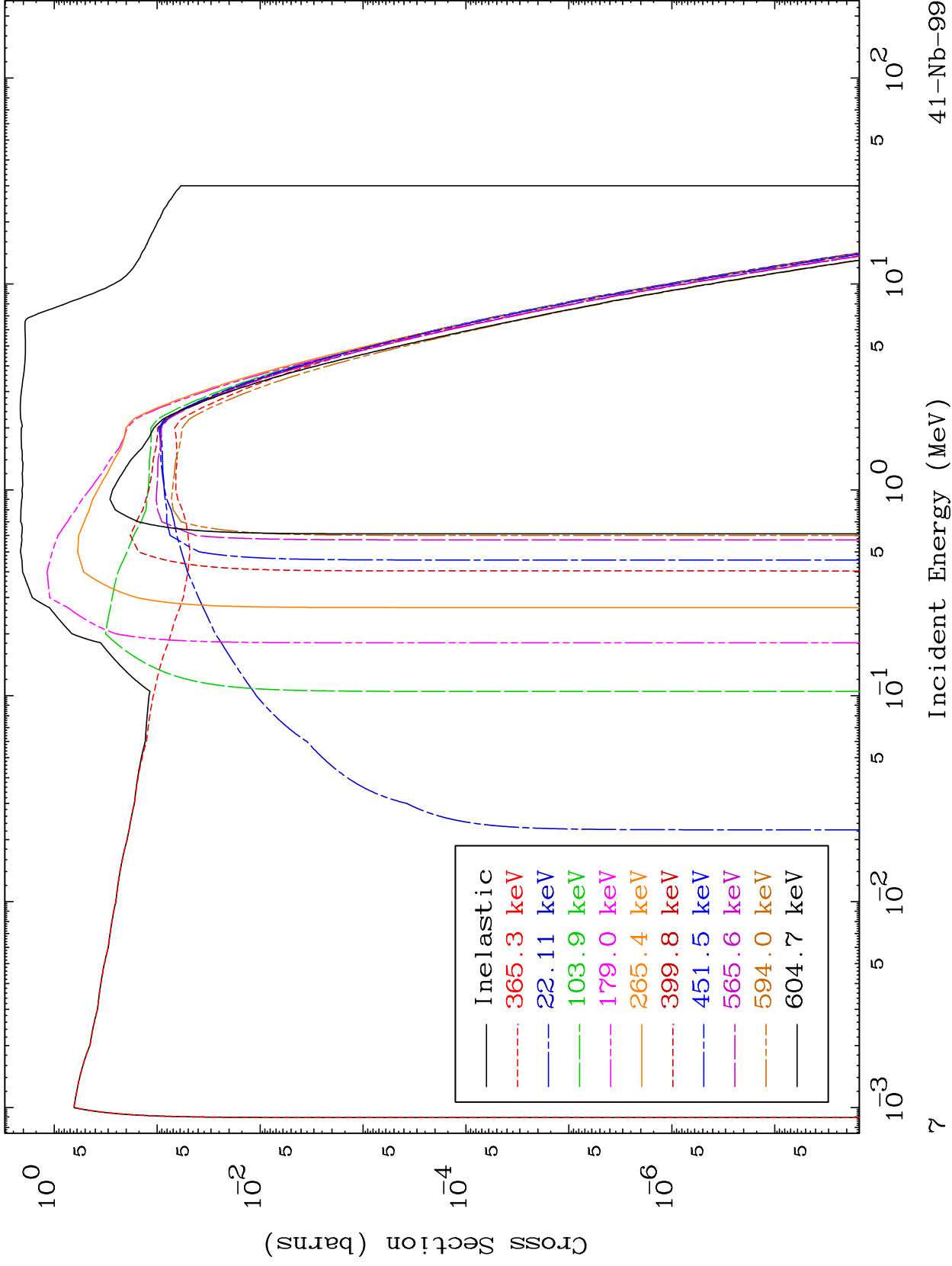
Incident Energy (MeV)

6

MAT 4144

(n,n') Level  
293 Kelvin Cross Sections

41-Nb-99

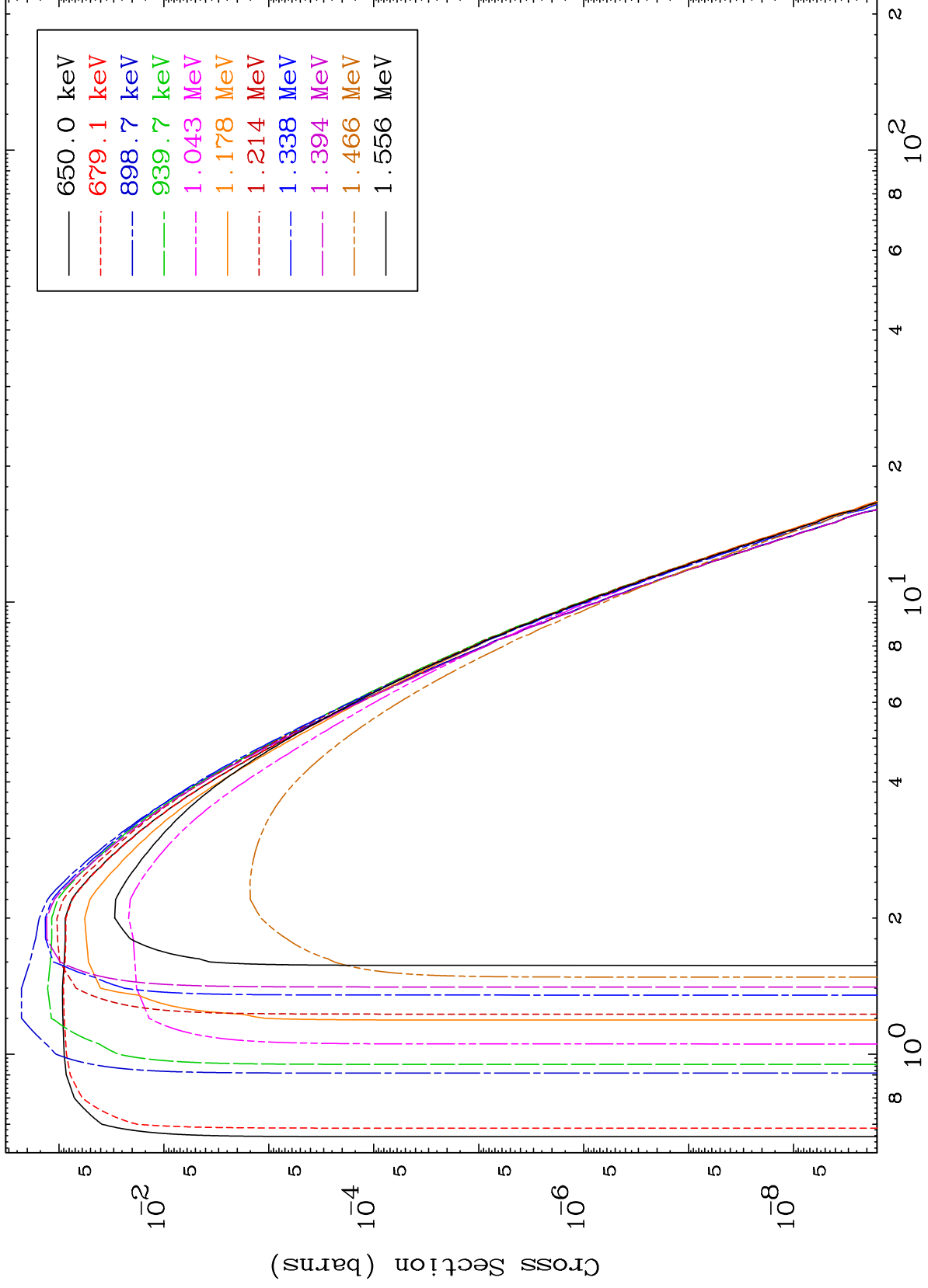




MAT 4144

(n,n') Level  
293 Kelvin Cross Sections

41-Nb-99



8

Incident Energy (MeV)

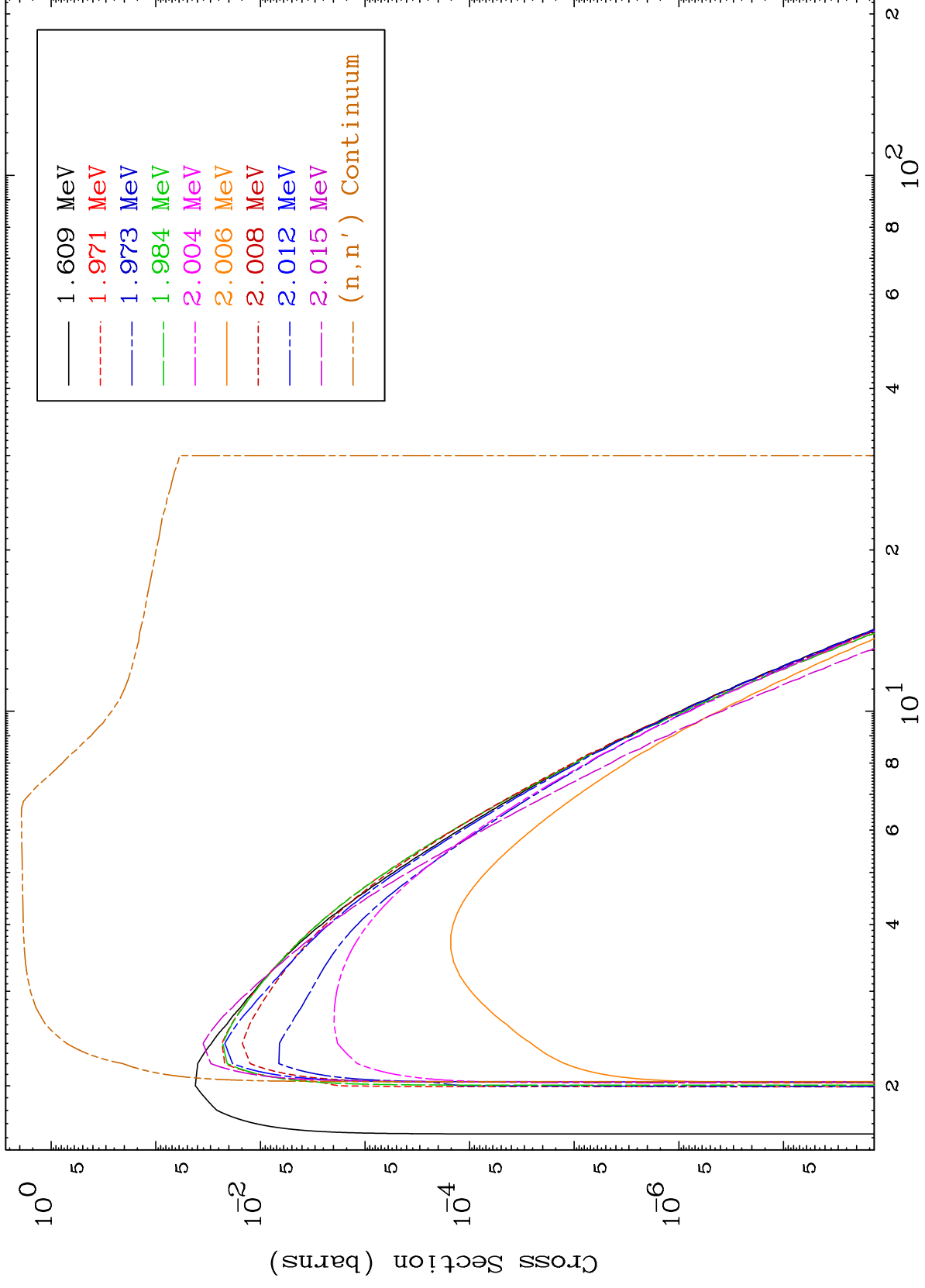
41-Nb-99

MAT 4144

(n,n') Level

41-Nb-99

293 Kelvin Cross Sections



9

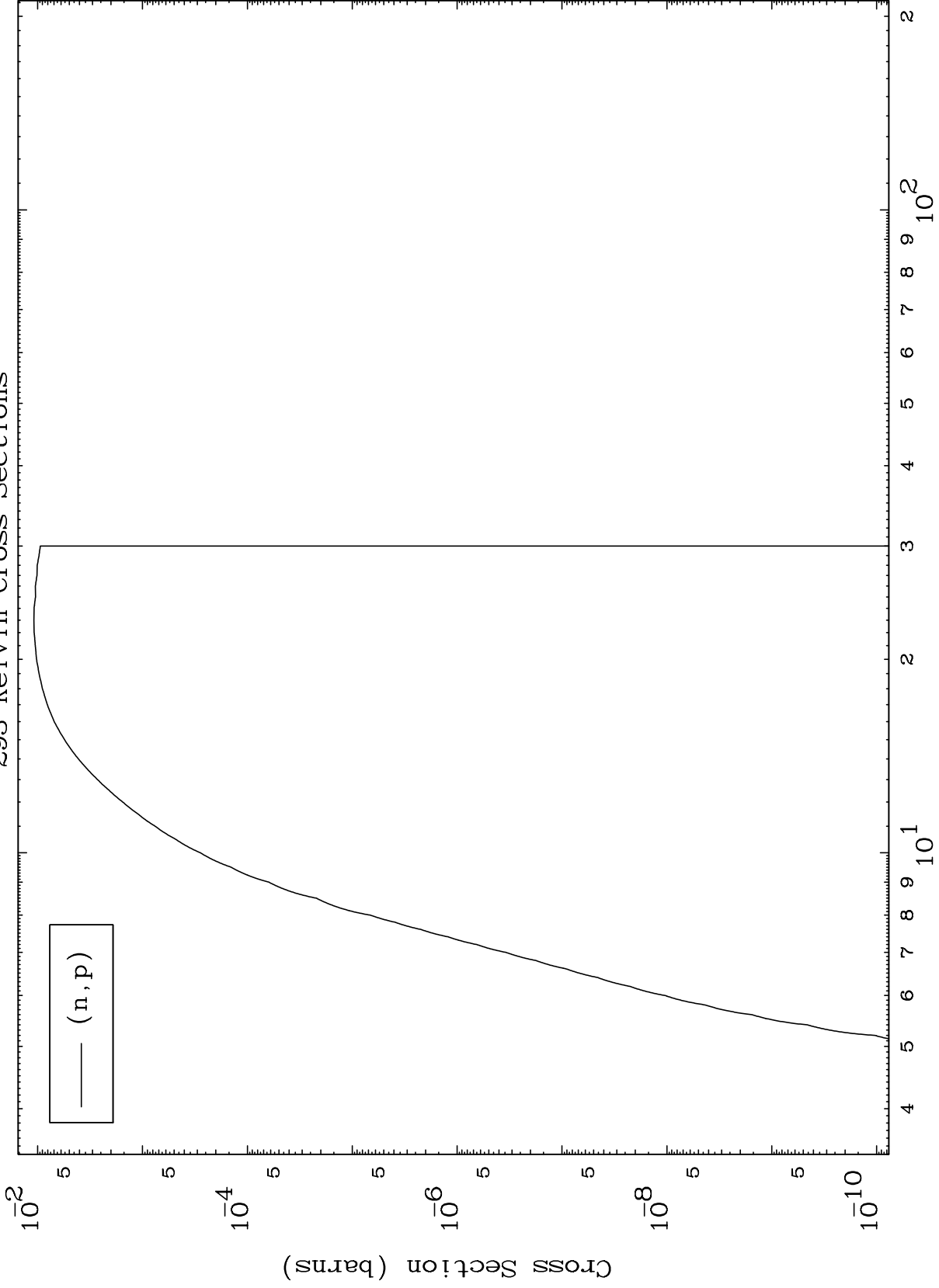
Incident Energy (MeV)

41-Nb-99

MAT 4144

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-99



10

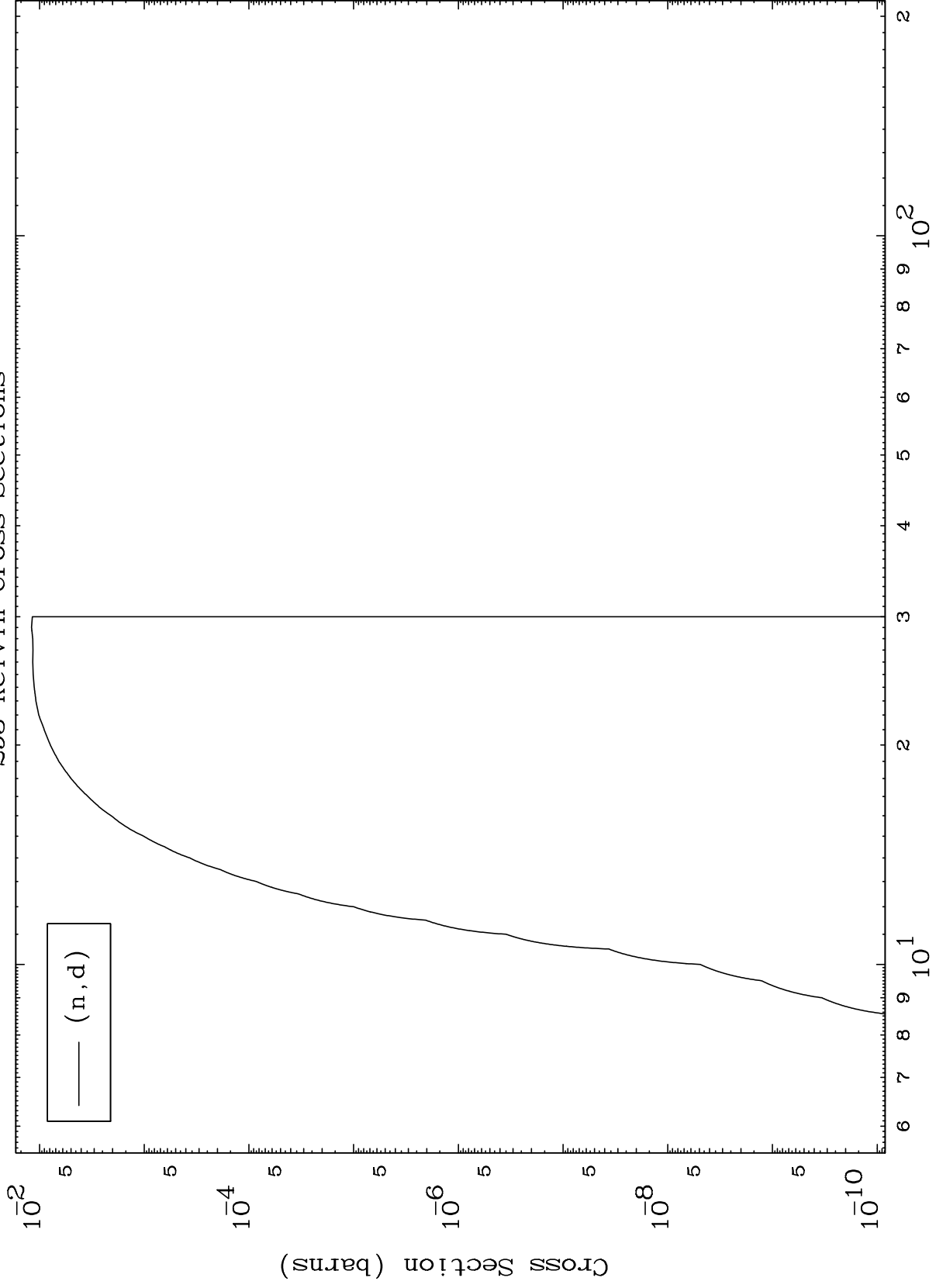
Incident Energy (MeV)

41-Nb-99

MAT 4144

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-99



11

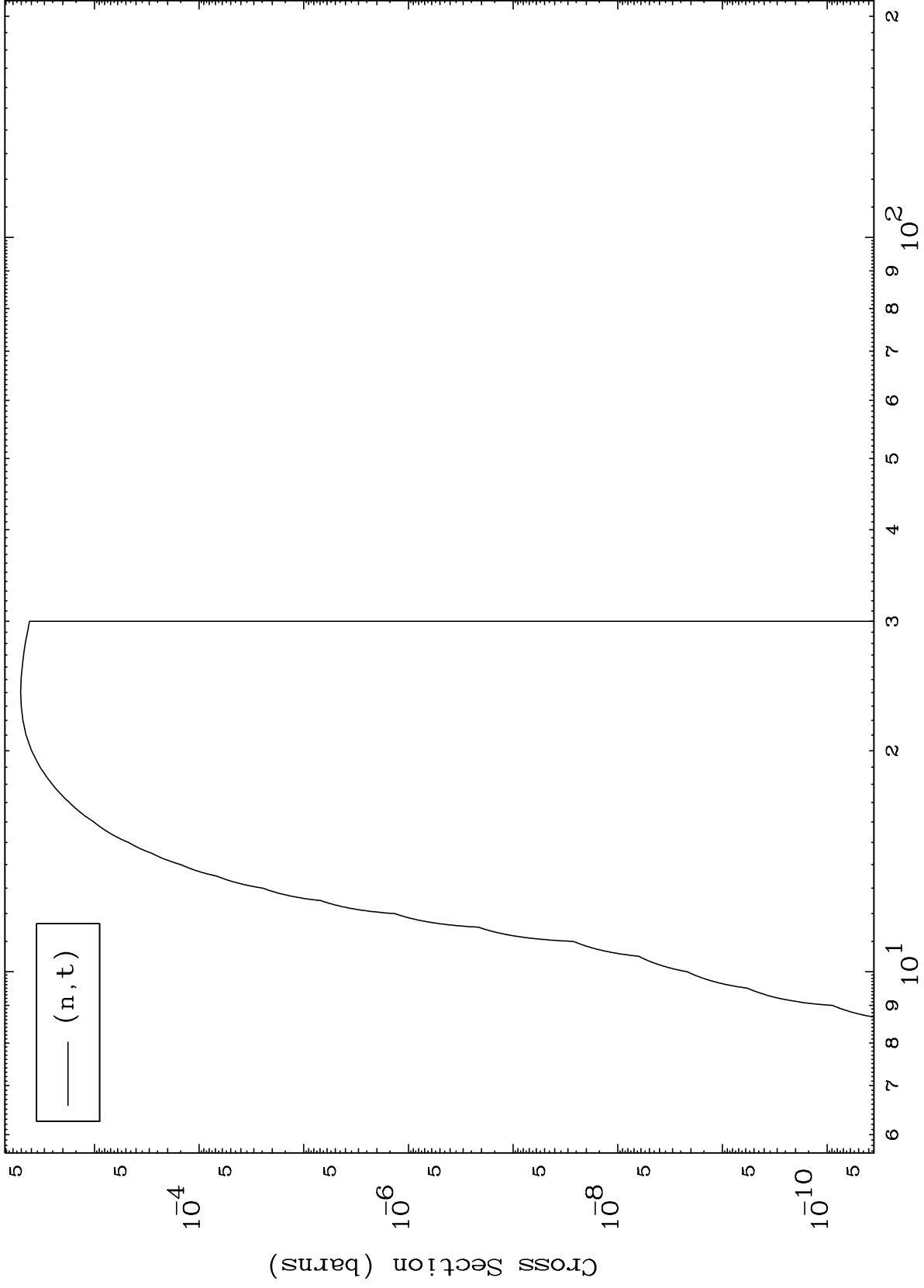
Incident Energy (MeV)

41-Nb-99

MAT 4144

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-99



12

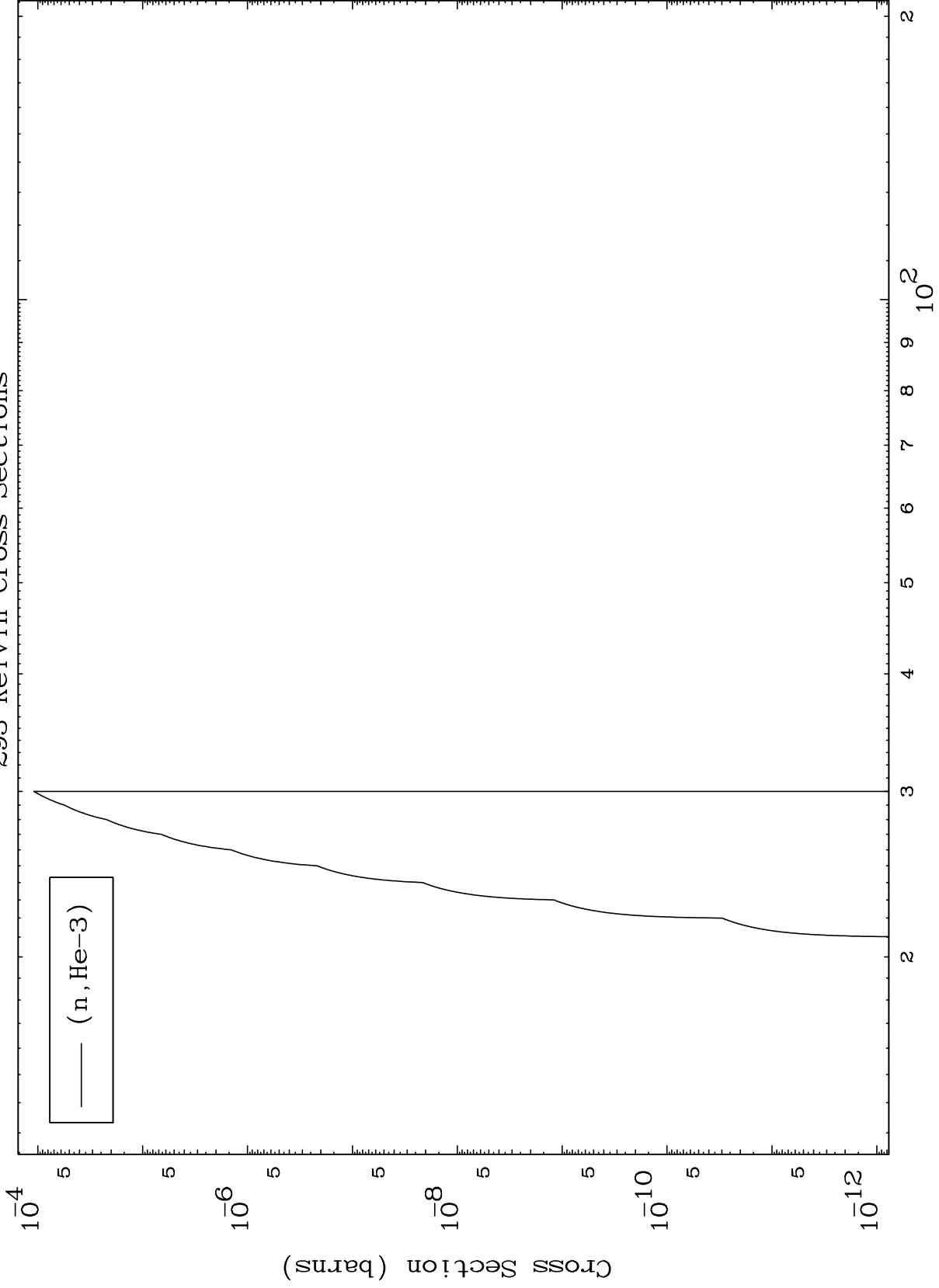
Incident Energy (MeV)

41-Nb-99

MAT 4144

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-99



13

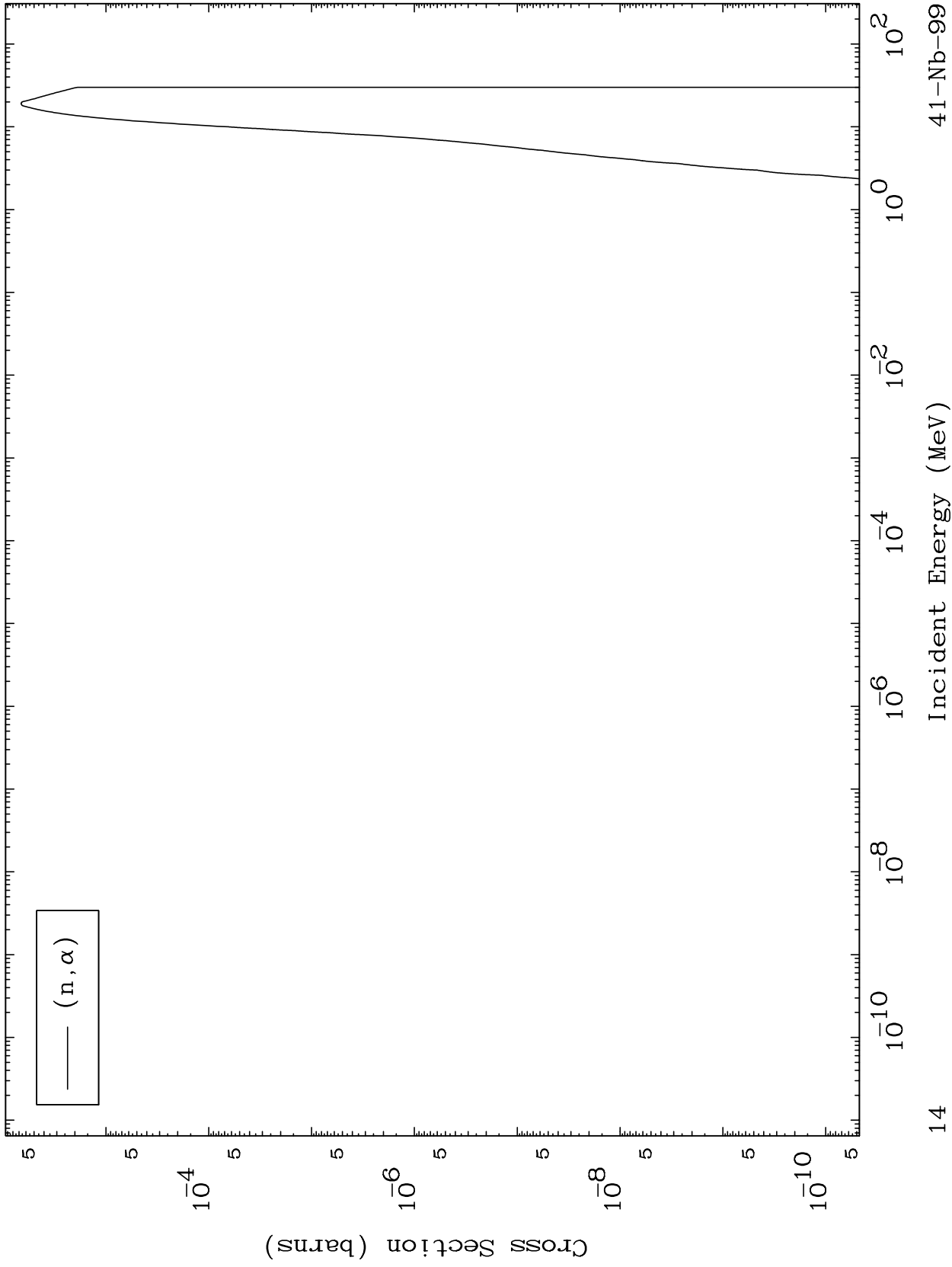
Incident Energy (MeV)

41-Nb-99

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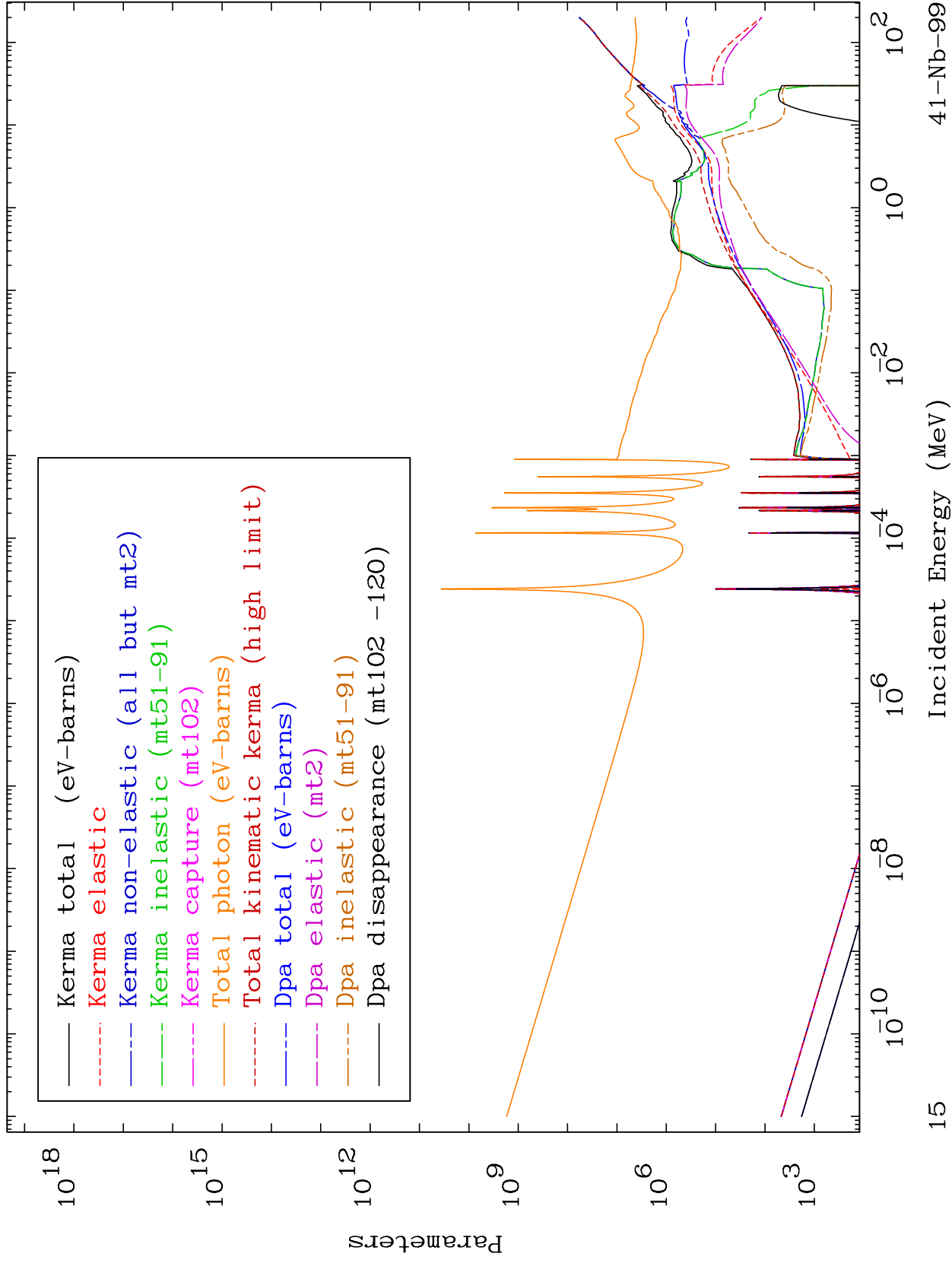
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

41-Nb-99



14

41-Nb-99



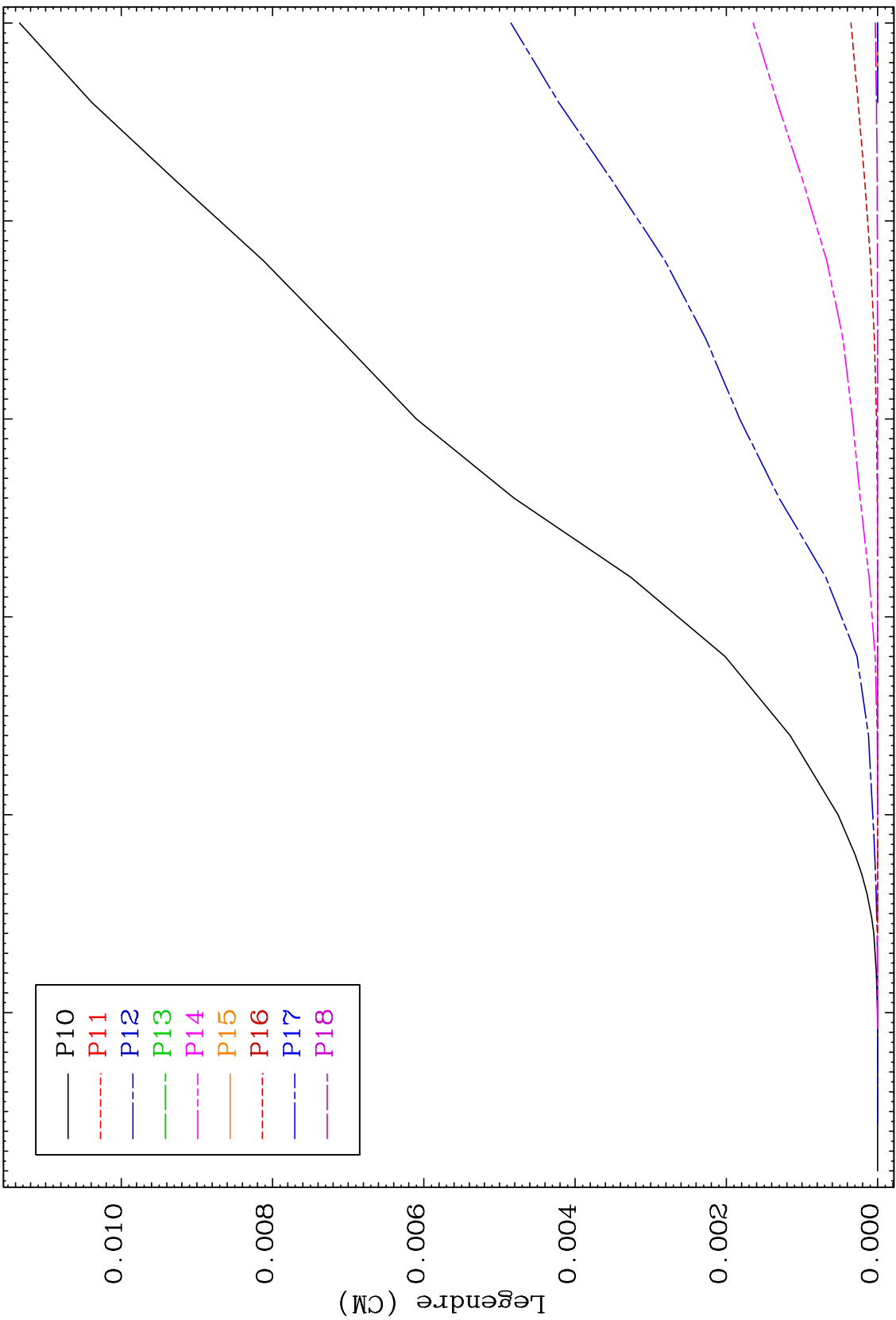




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Elastic Legendre Coefficients

41-Nb-99



17

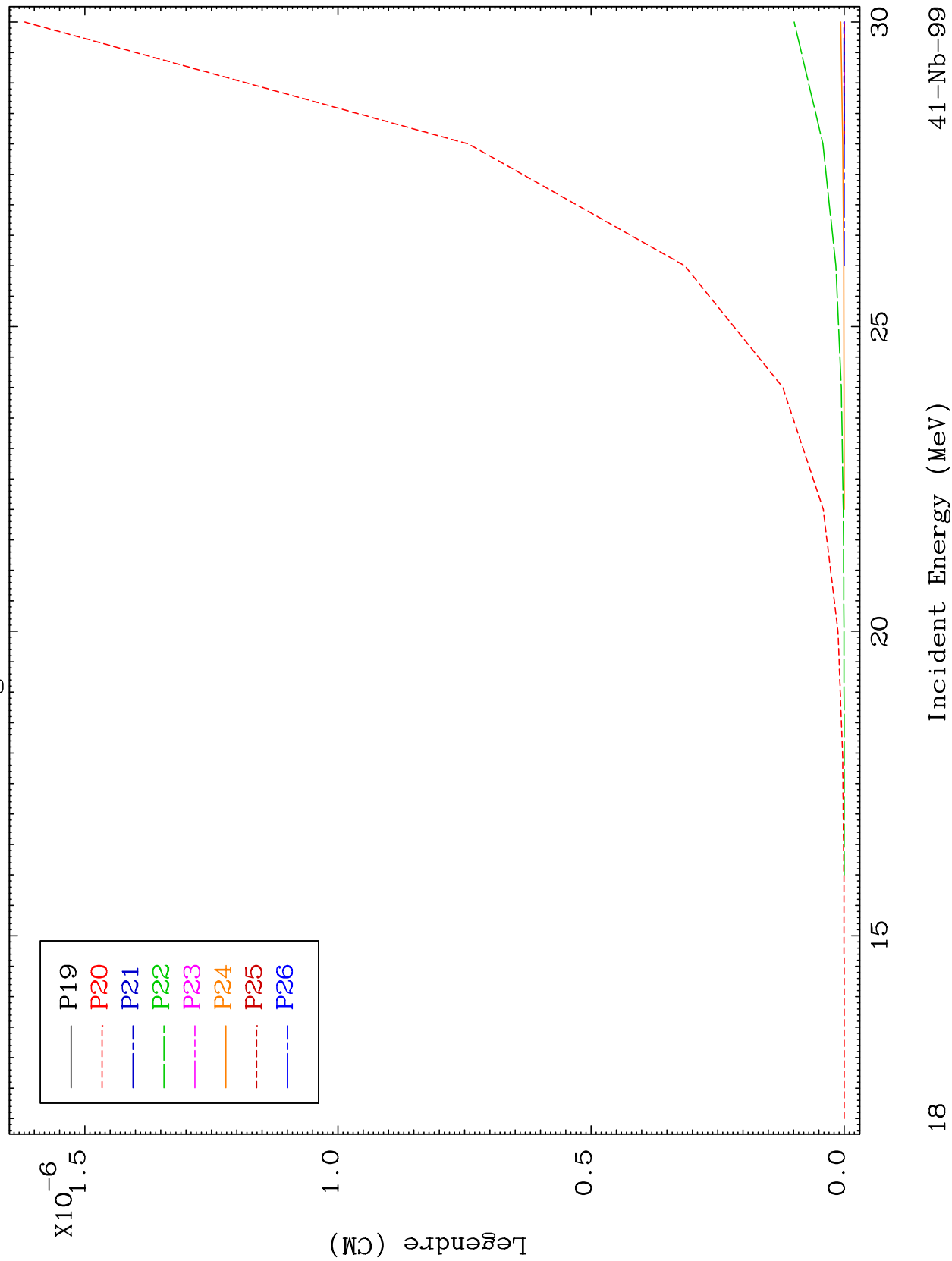
41-Nb-99

Incident Energy (MeV)

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### Elastic Legendre Coefficients

41-Nb-99



18

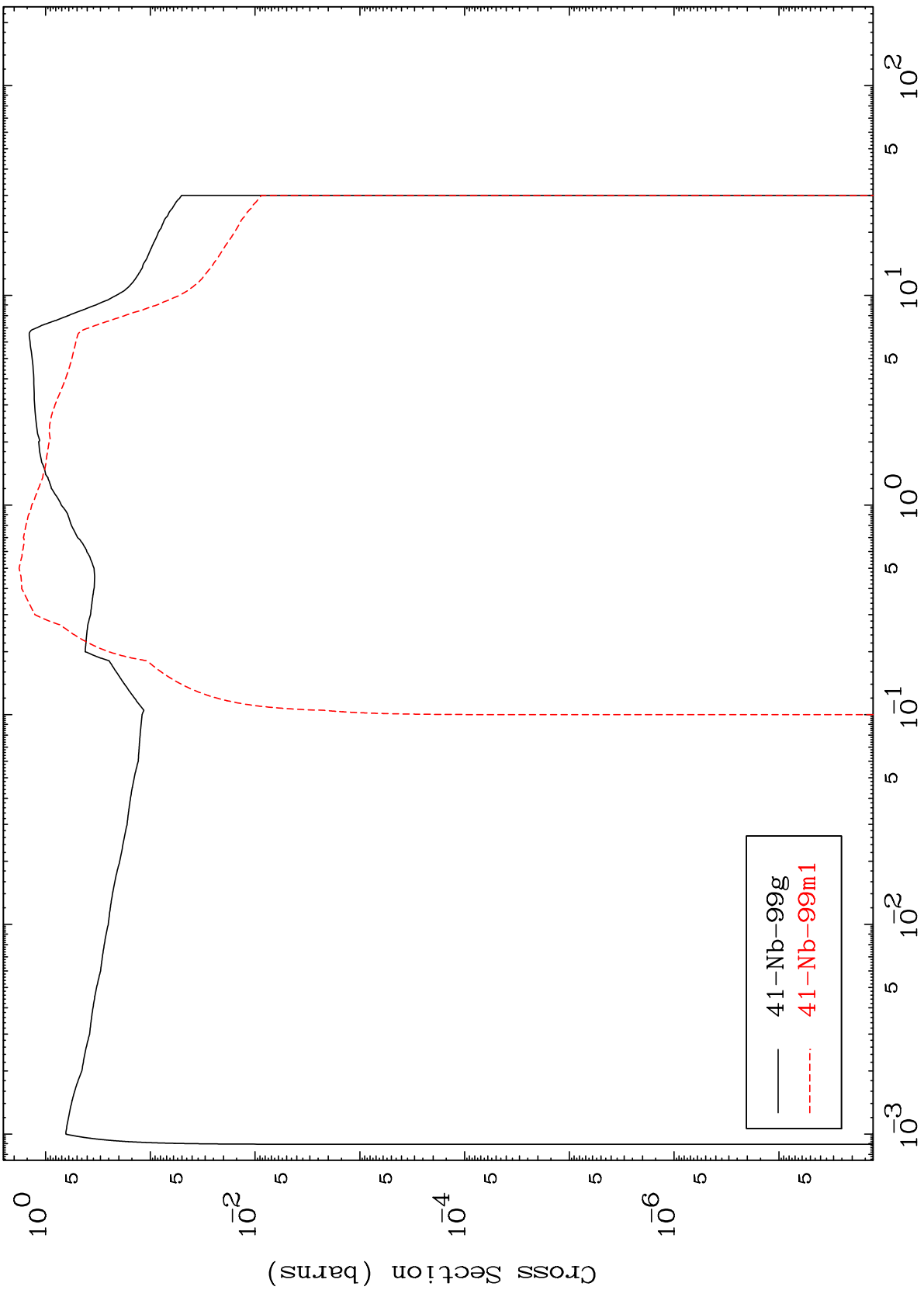
Incident Energy (MeV)

41-Nb-99

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41-Nb-99

Inelastic  
Radionuclide Production Cross Section



— 41-Nb-99g  
- - - 41-Nb-99m1

41-Nb-99

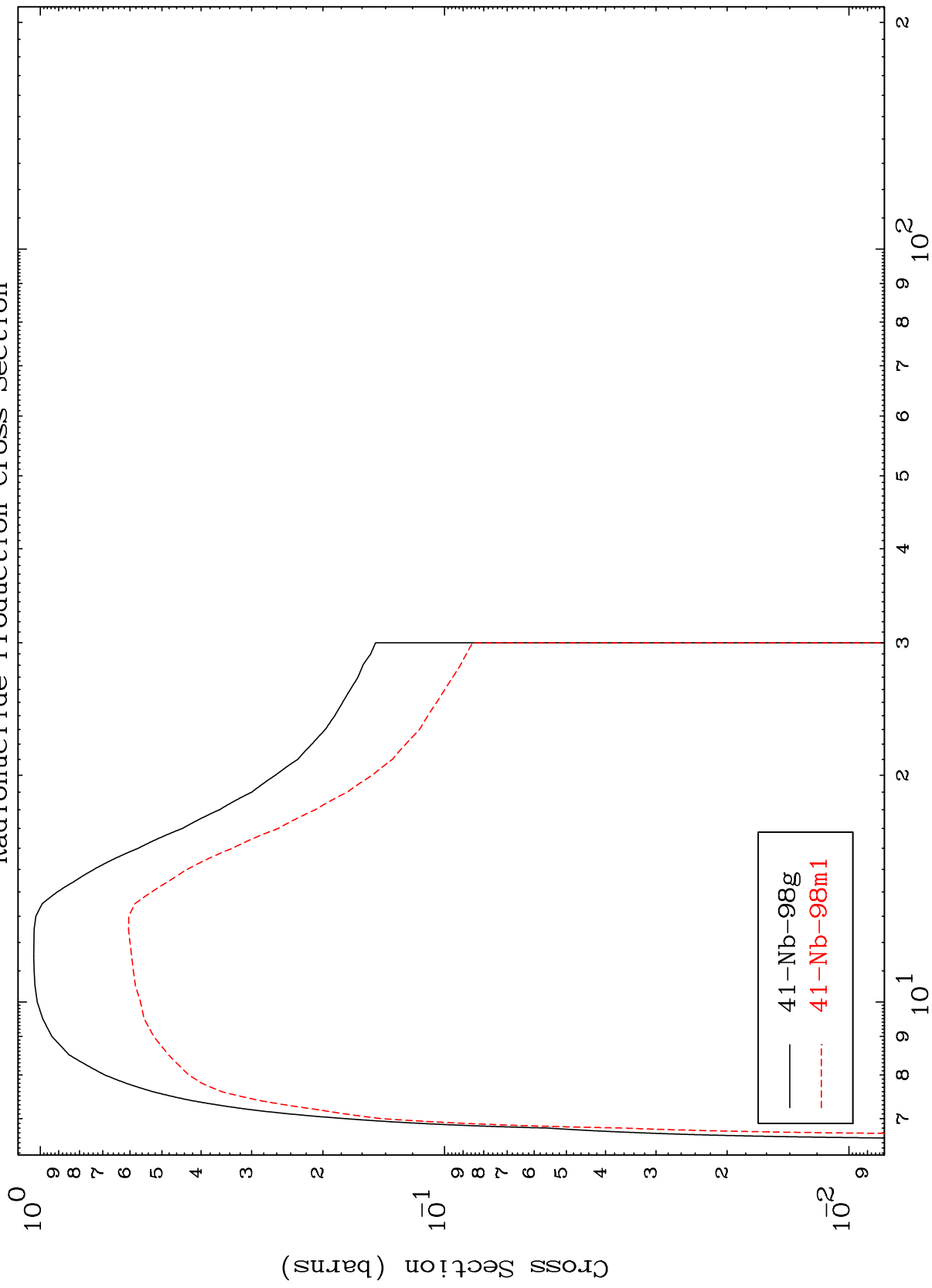
Incident Energy (MeV)

19

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41-Nb-99

(n,2n)  
Radionuclide Production Cross Section



20

Incident Energy (MeV)

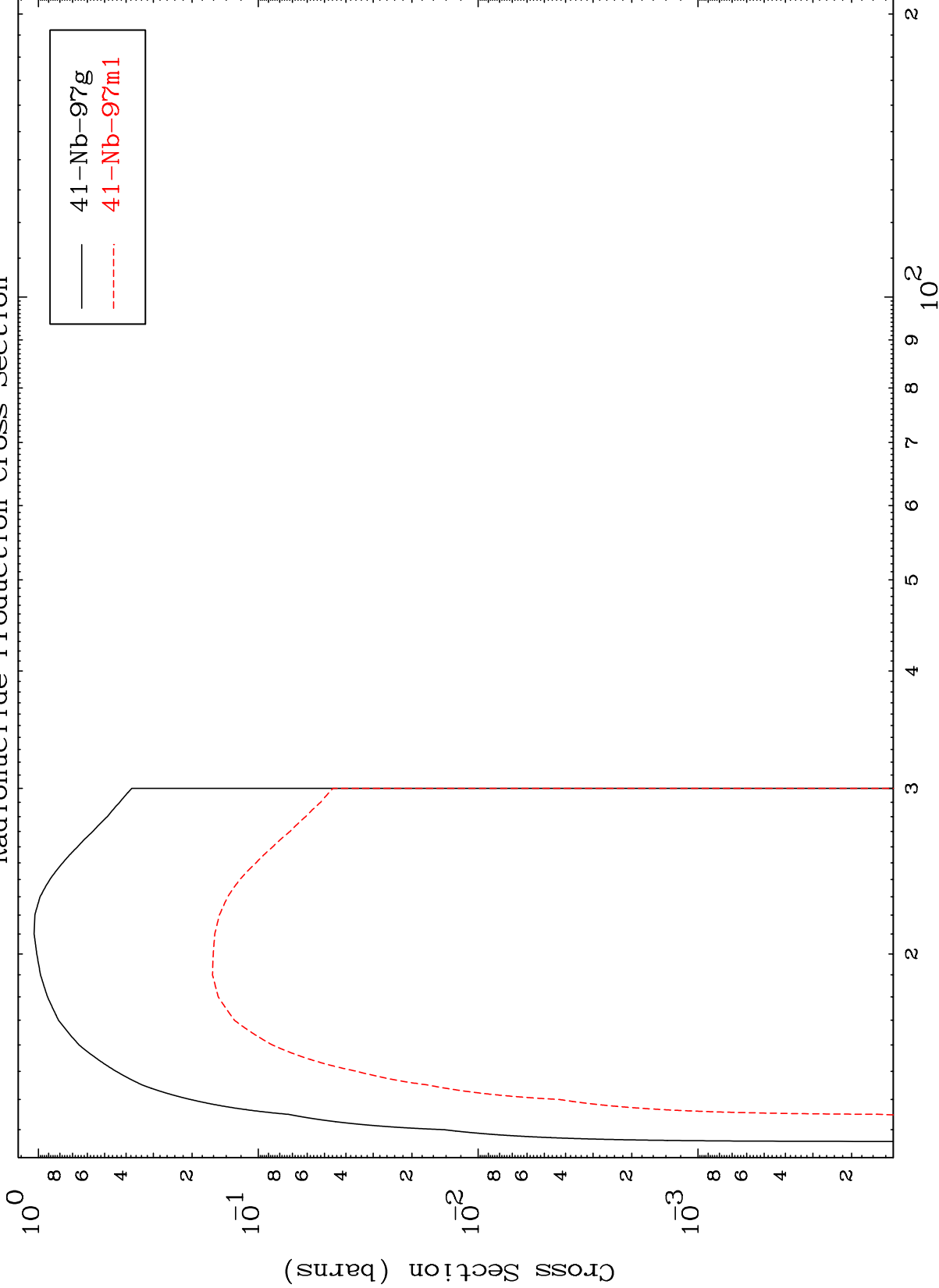
41-Nb-99

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(n,3n)

41-Nb-99

Radionuclide Production Cross Section



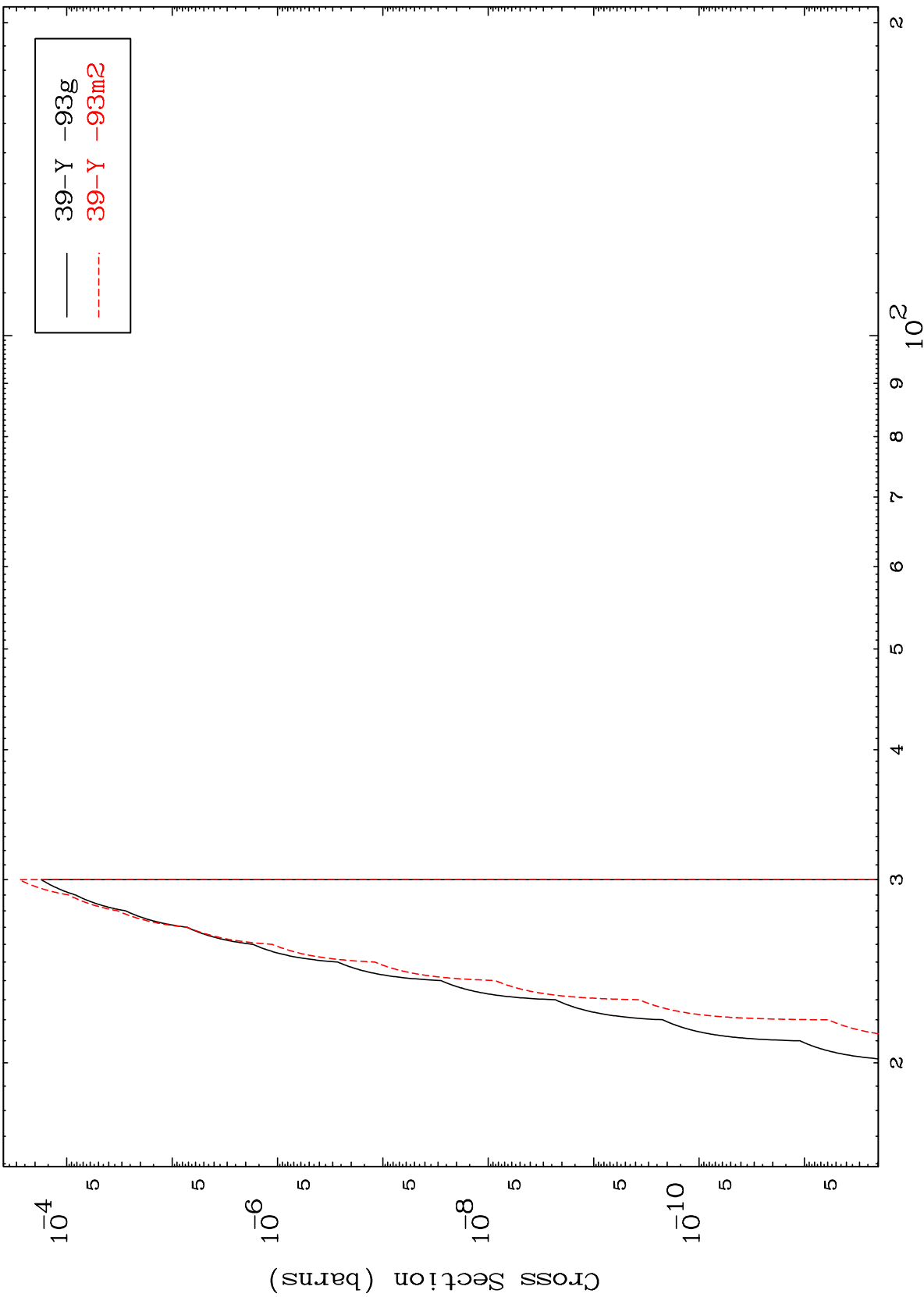
41-Nb-97g  
41-Nb-97m1

MAT 4144

(n,3n)  $\alpha$

41-Nb-99

Radionuclide Production Cross Section

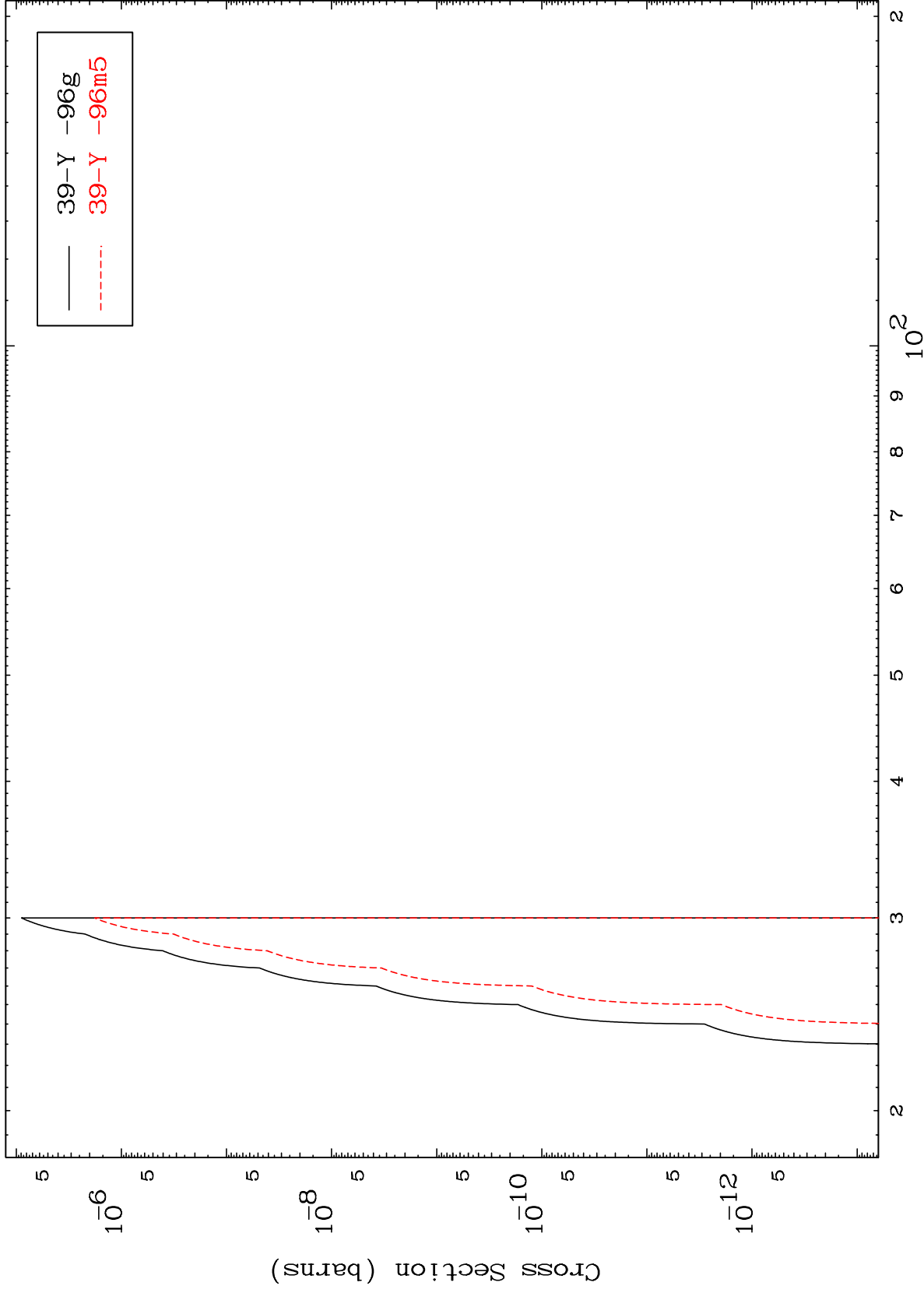


22

Incident Energy (MeV)

41-Nb-99

Radionuclide Production Cross Section



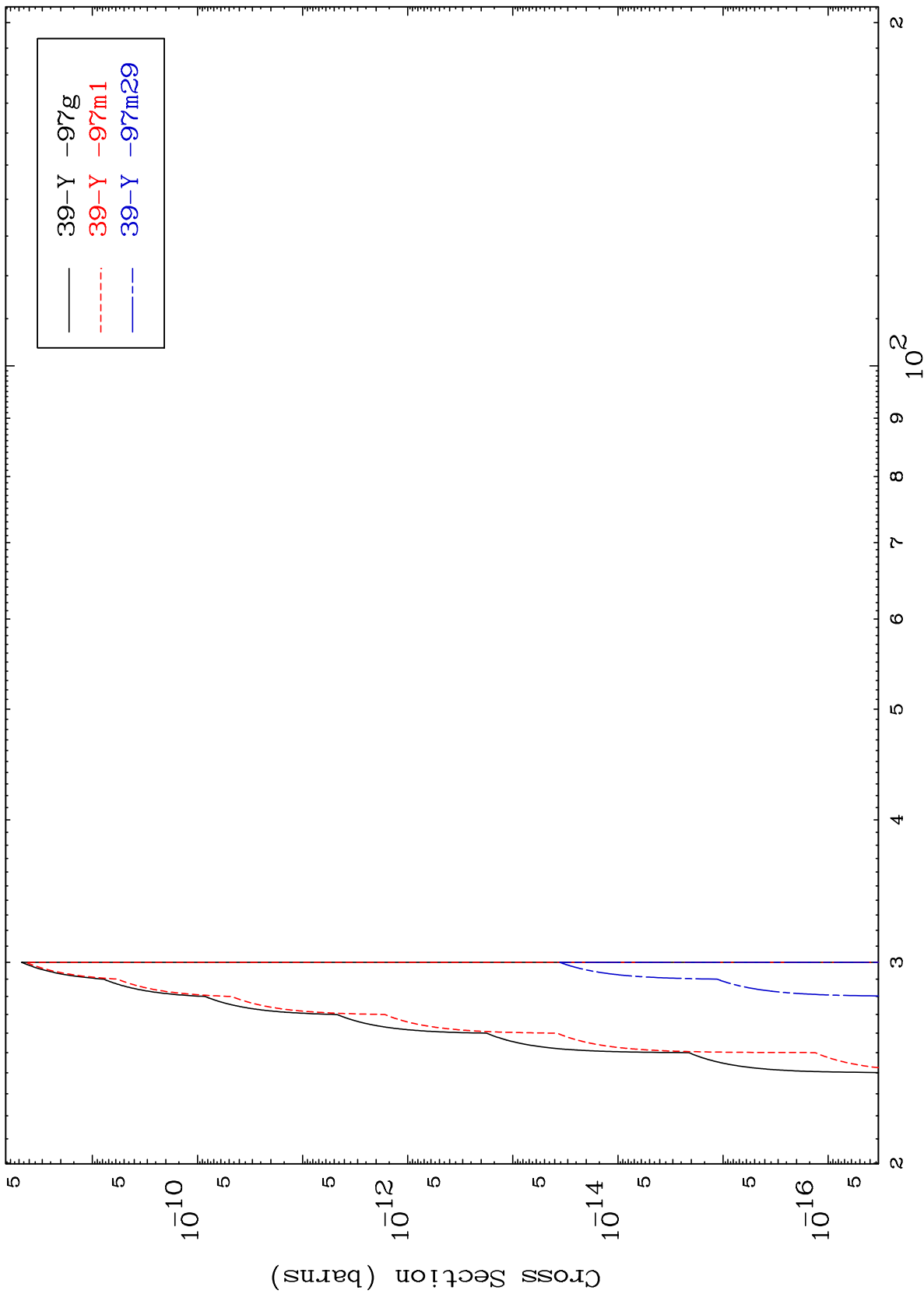


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(n,2n) p

41-Nb-99

Radionuclide Production Cross Section



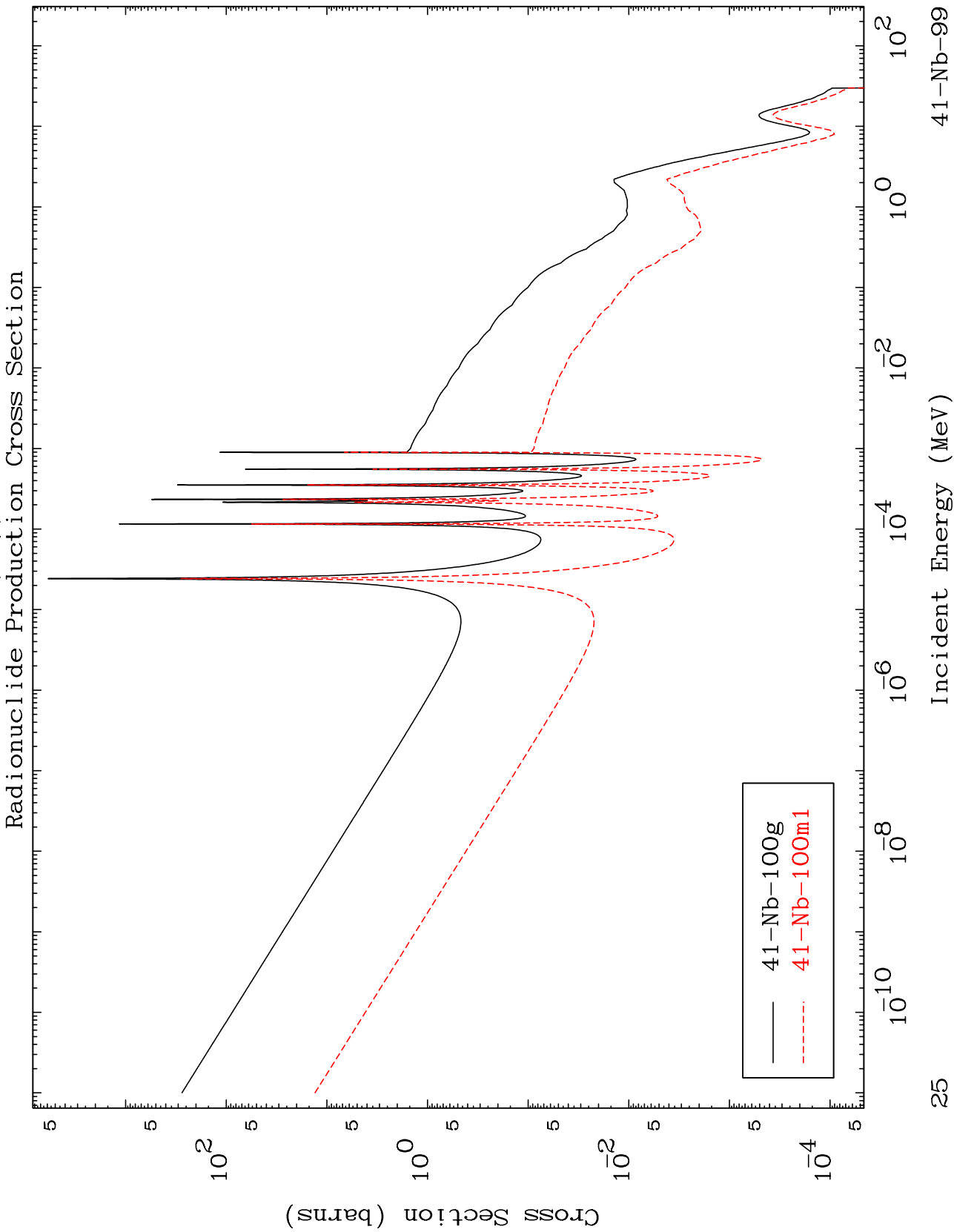
24

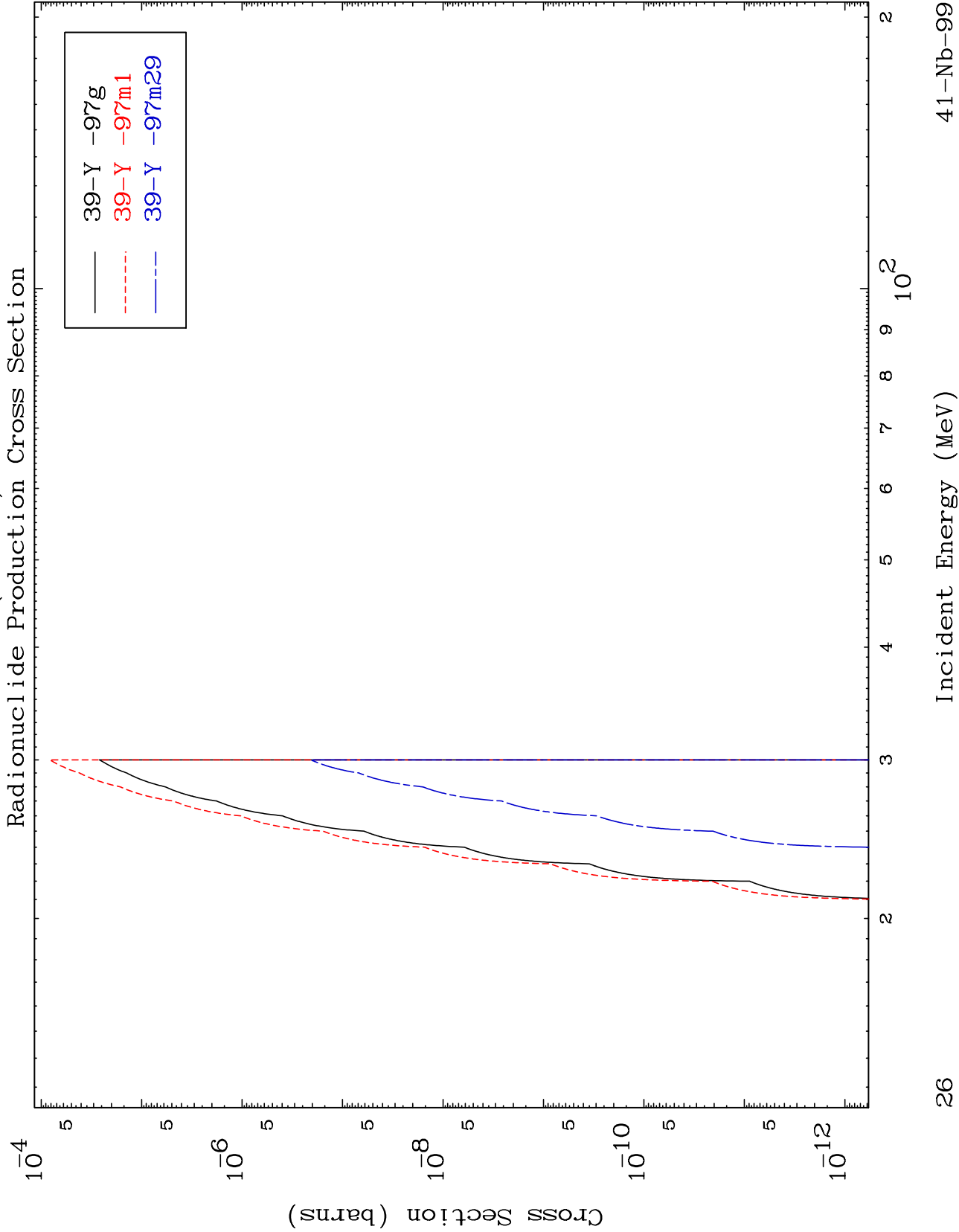
Incident Energy (MeV)

41-Nb-99

MAT 4144

41-Nb-99



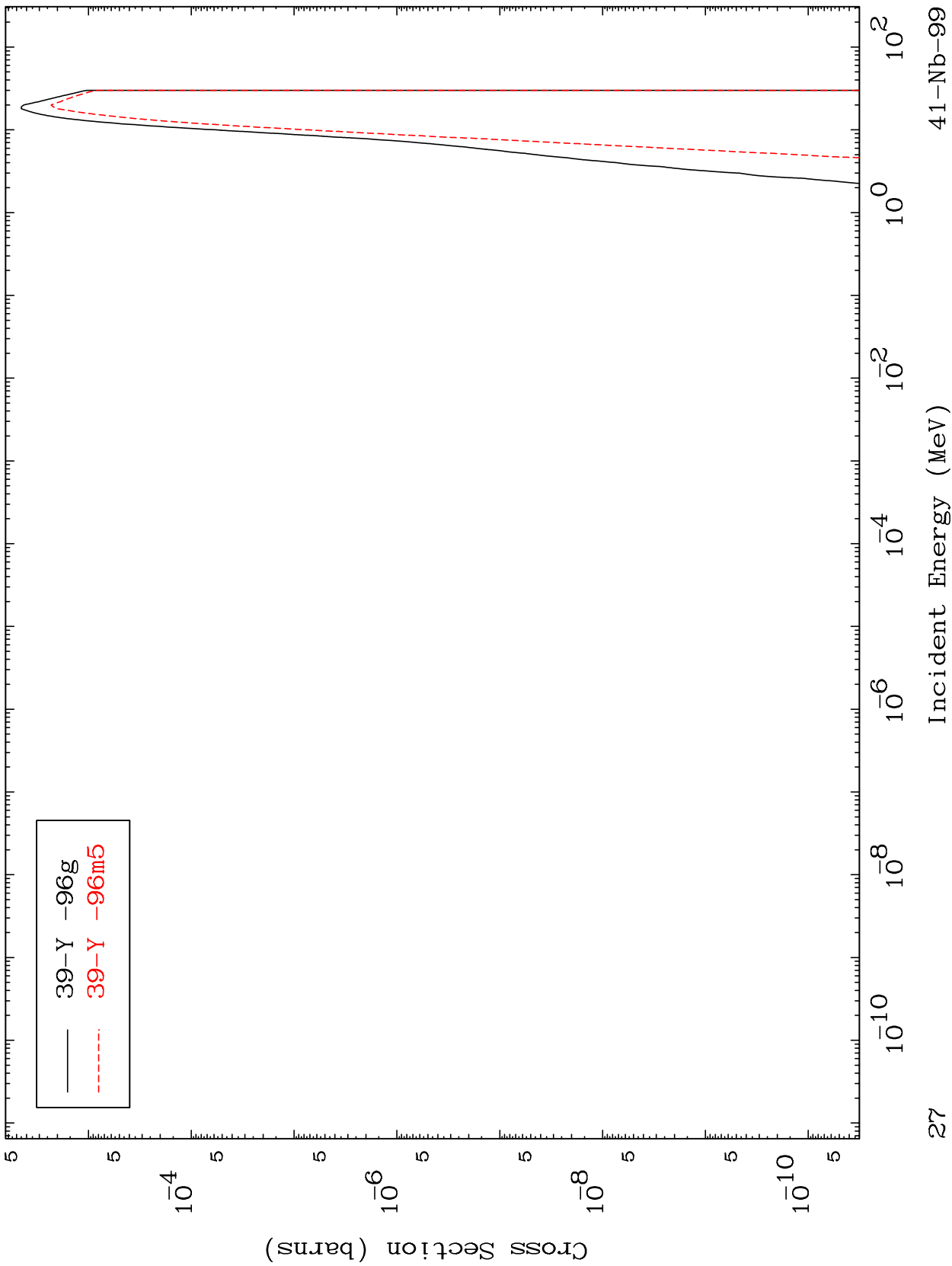


MAT 4144

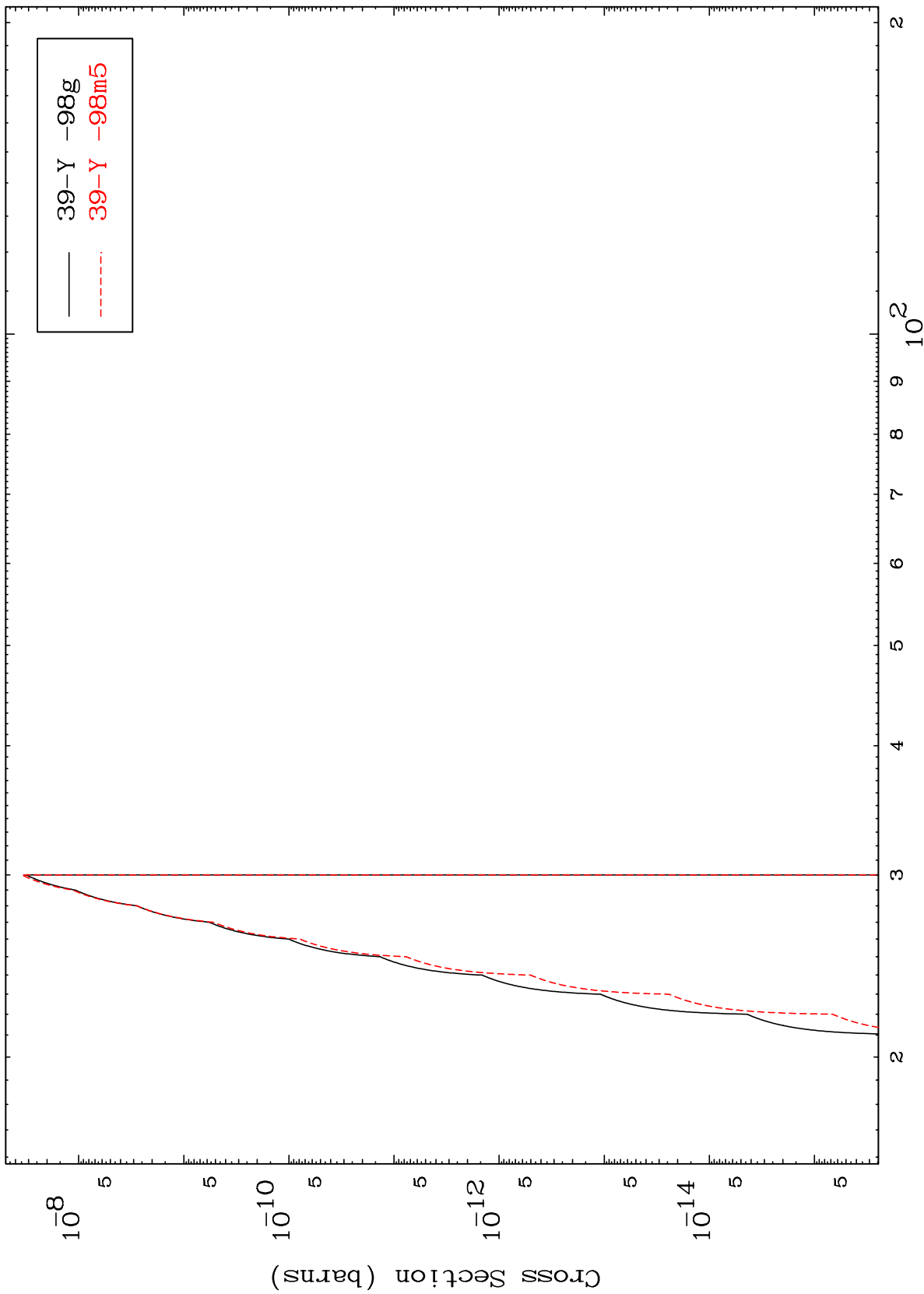
(n,  $\alpha$ )

41-Nb-99

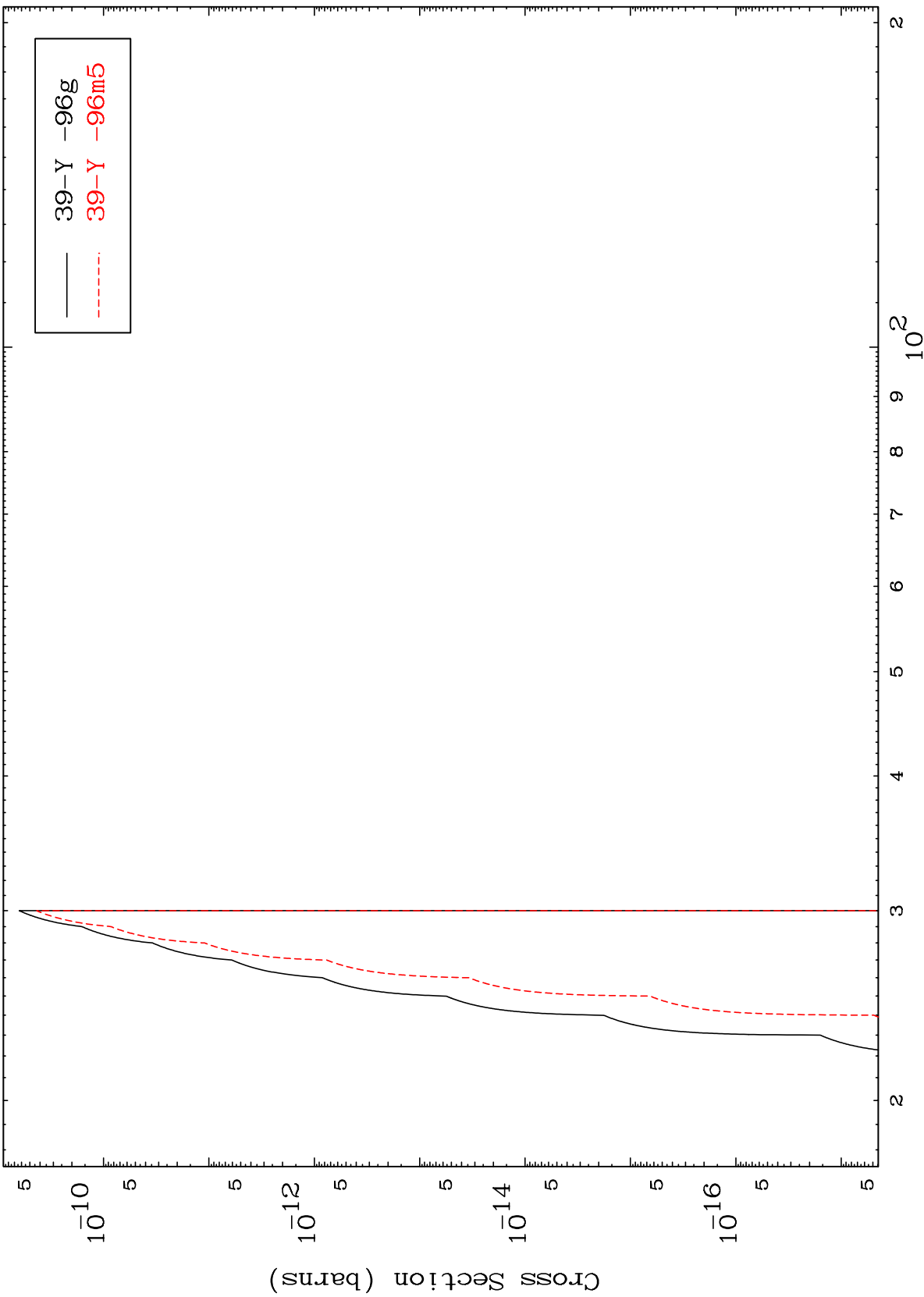
Radionuclide Production Cross Section



(n,2p)  
Radionuclide Production Cross Section



Radionuclide Production Cross Section



39-Y -96g  
39-Y -96m5