

Program EVALPLOT  
(Version 2015-2)

by

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(Present Contact Information)

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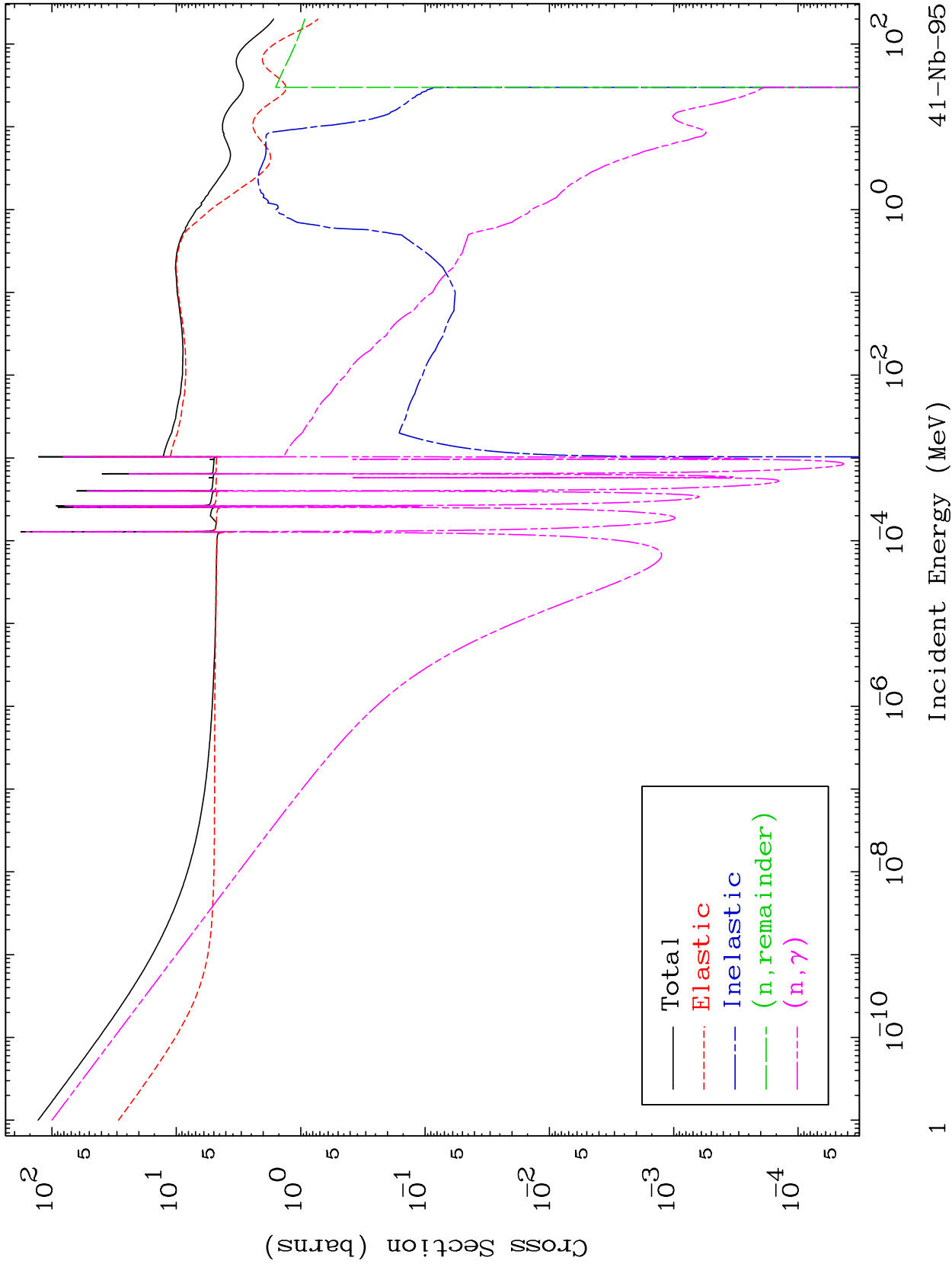
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

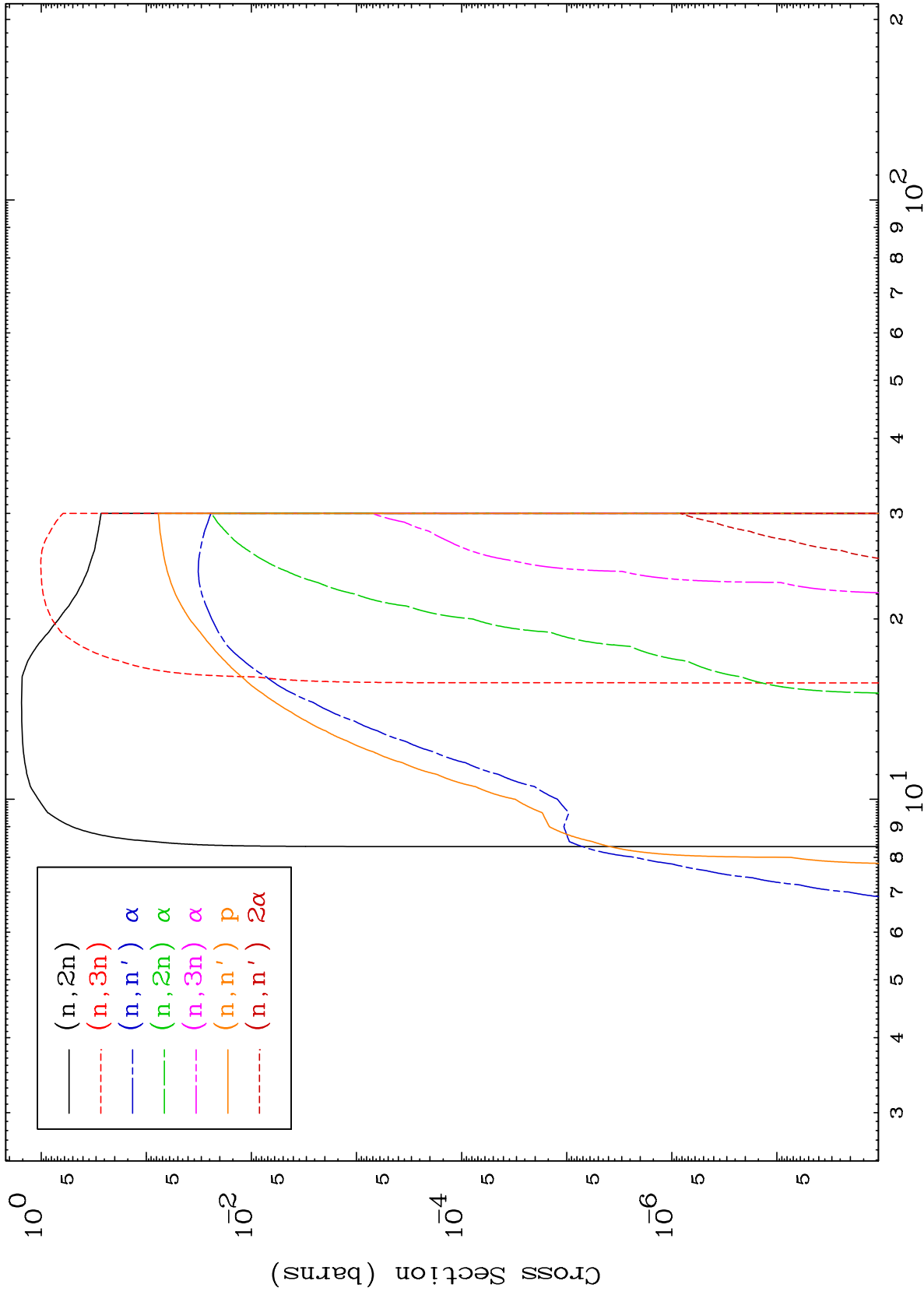
MAT 4132

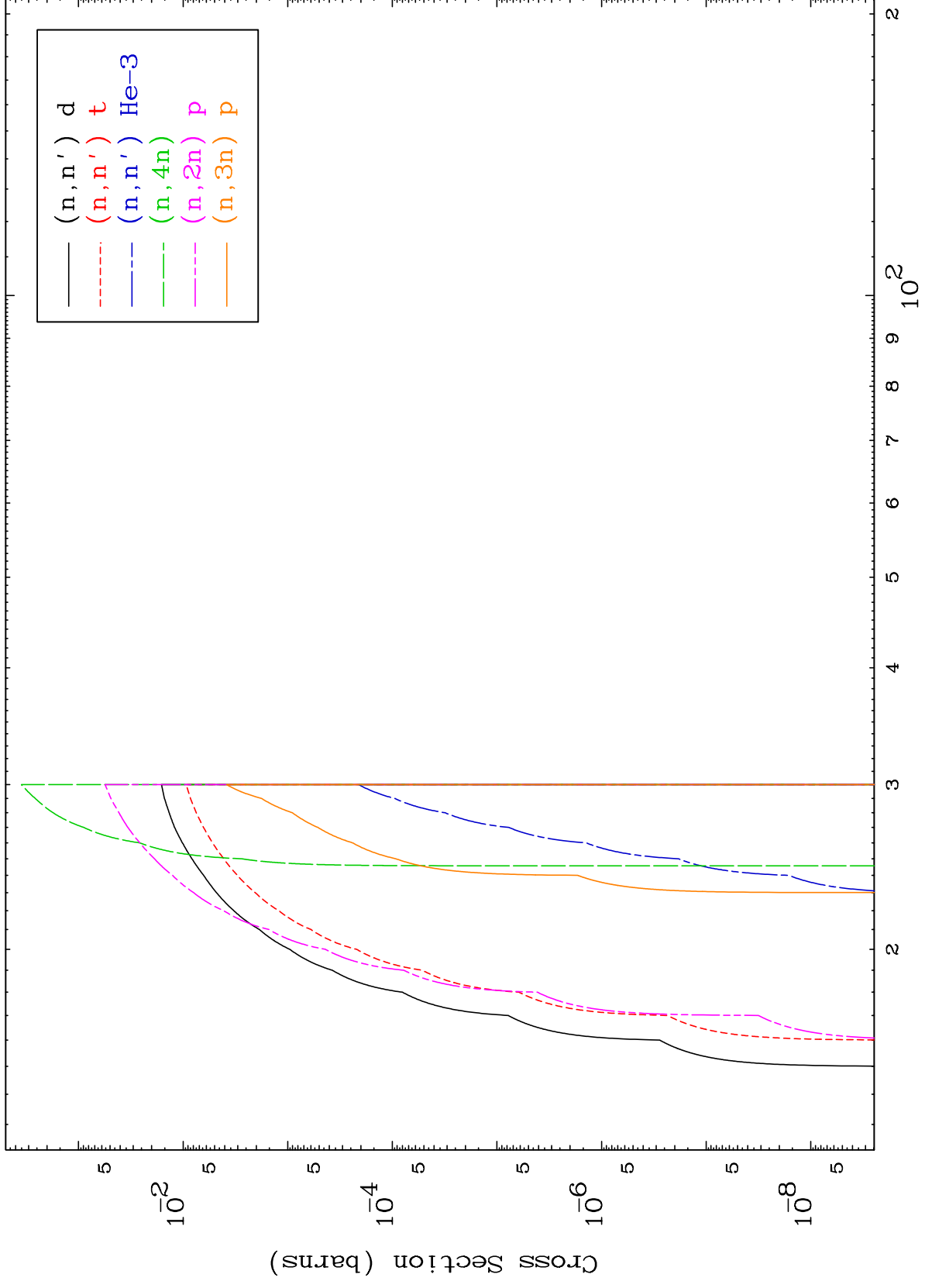
Major  
293 Kelvin Cross Sections

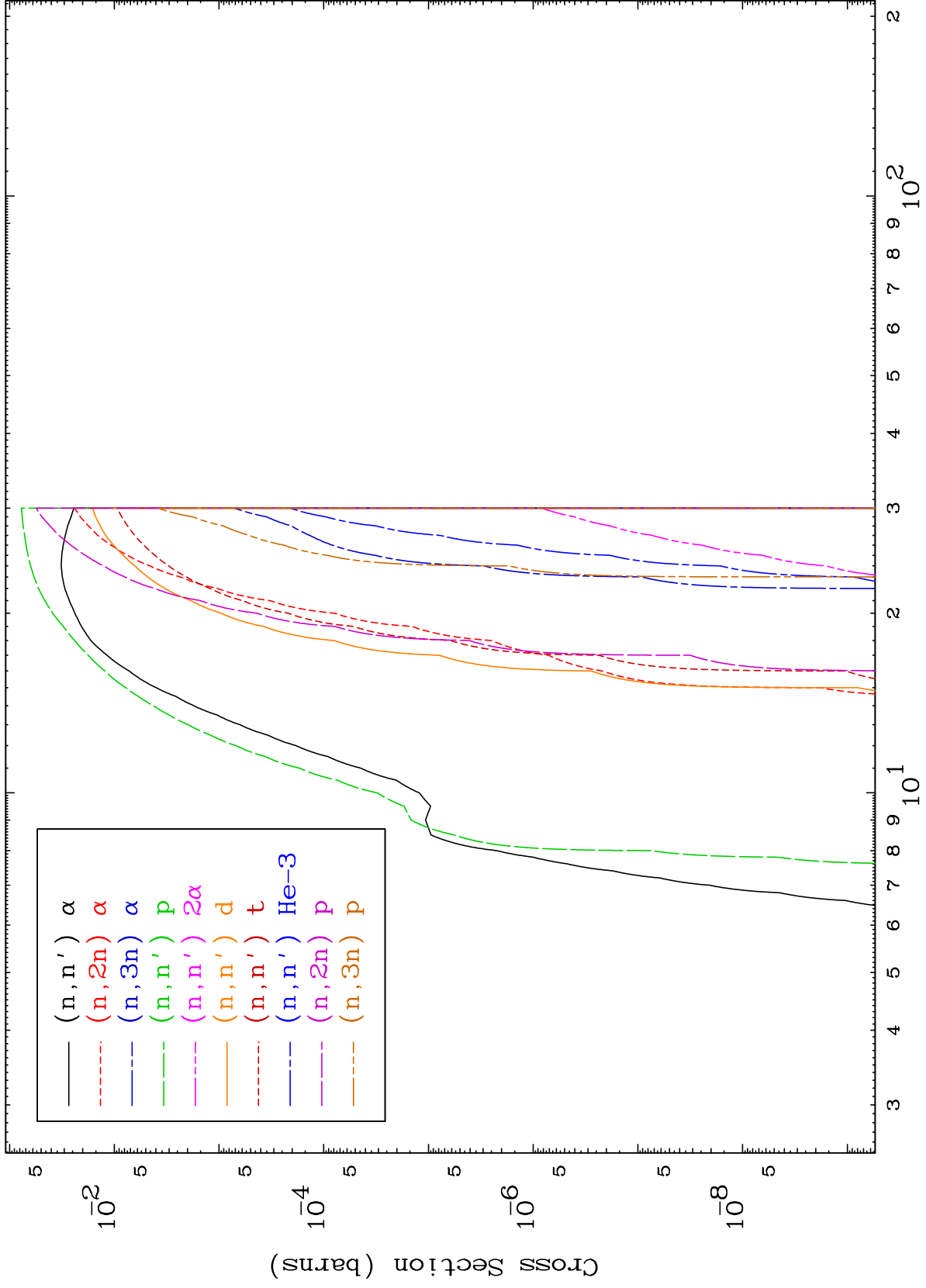
41-Nb-95



Neutron Production  
293 Kelvin Cross Sections



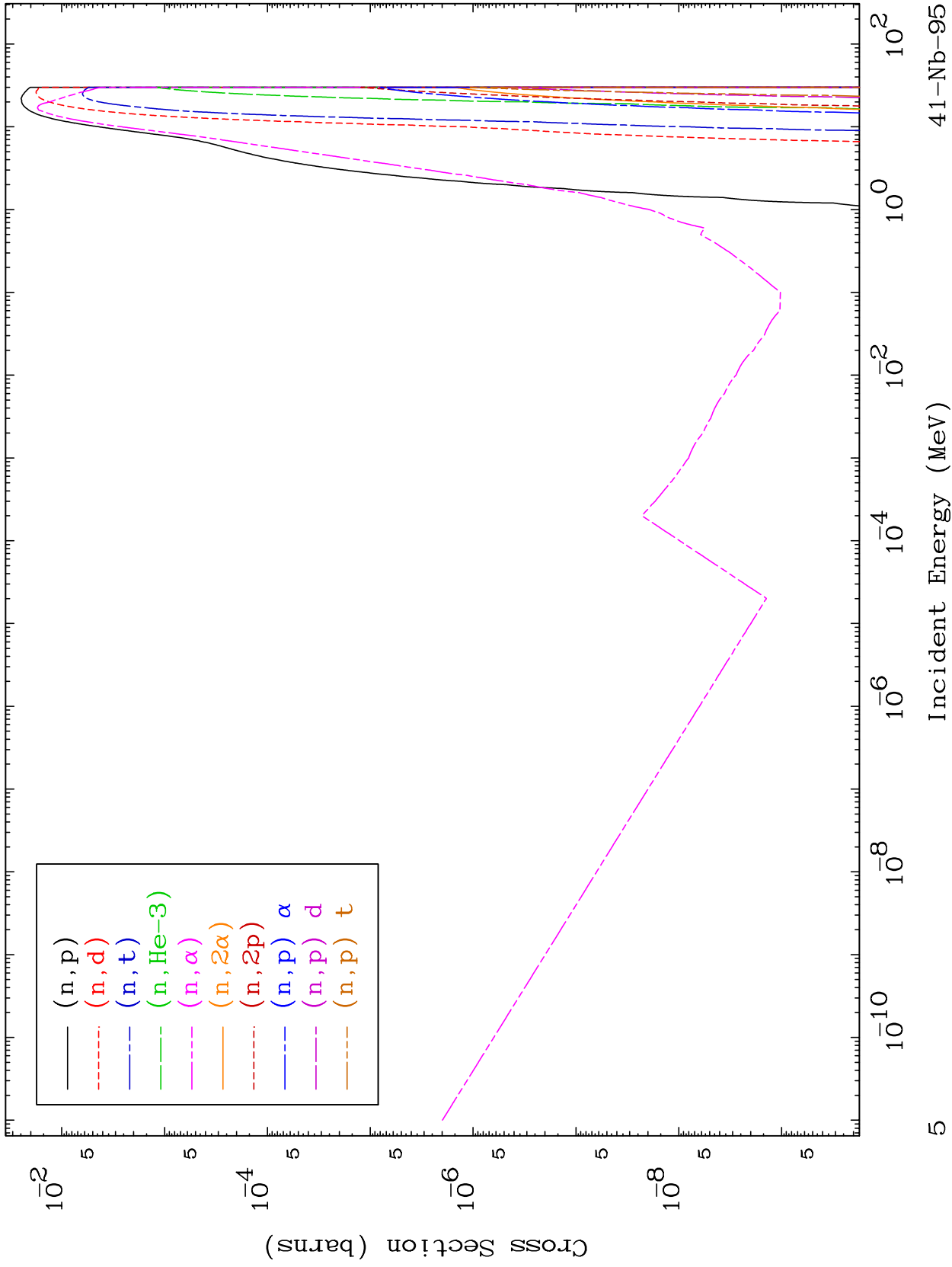




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Charged Particle  
293 Kelvin Cross Sections

41-Nb-95

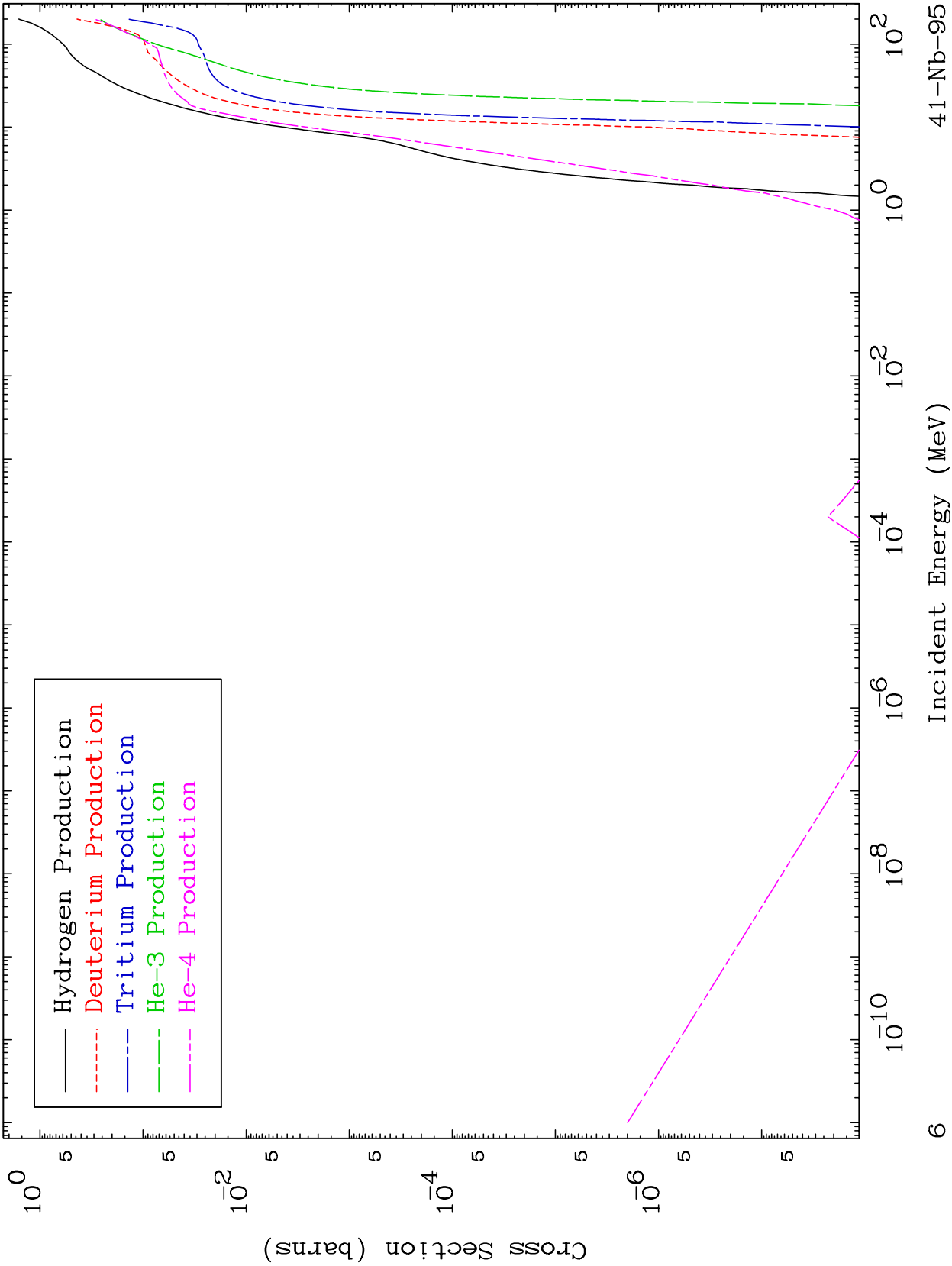


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Particle Production  
293 Kelvin Cross Sections

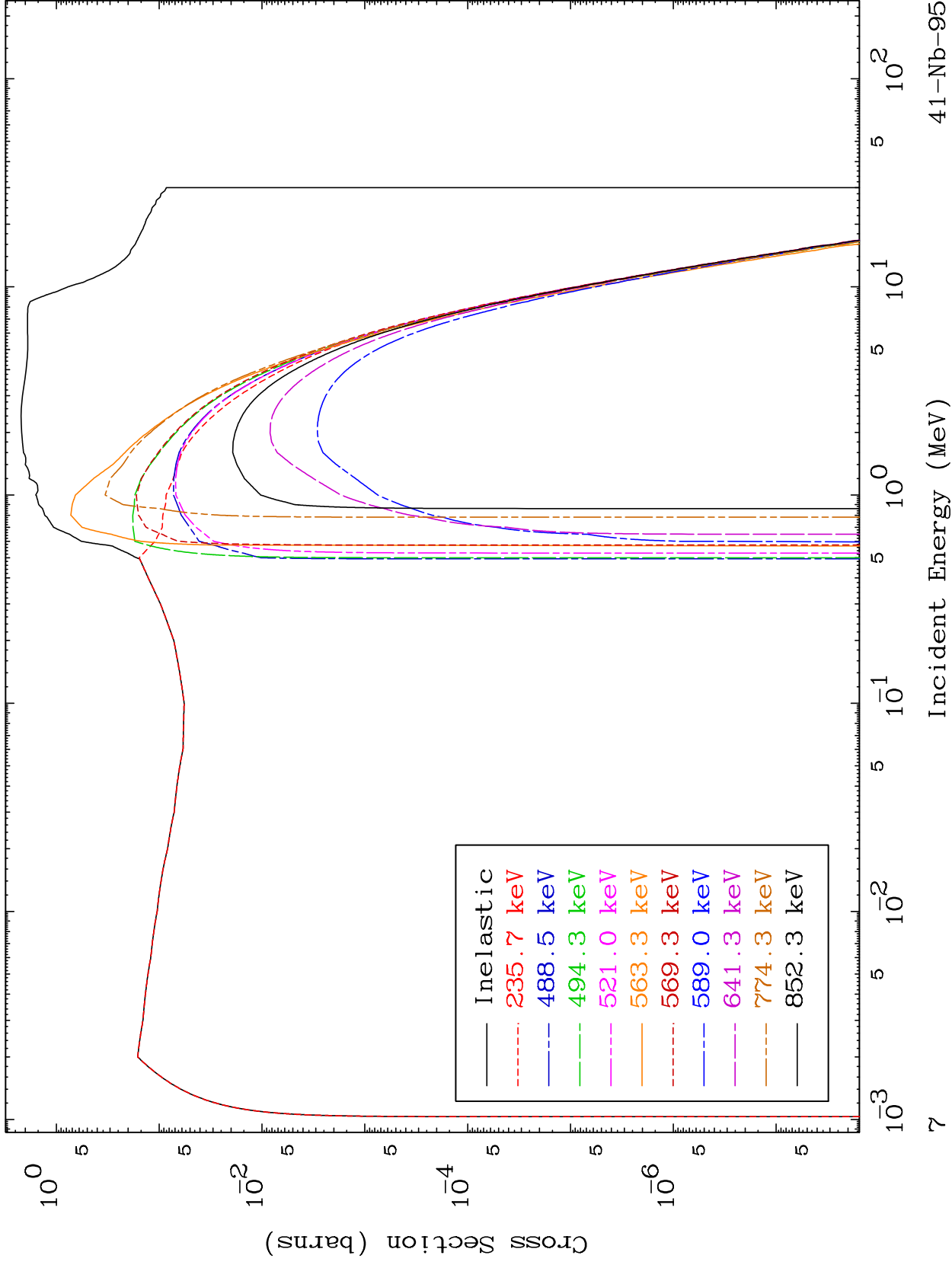
41-Nb-95



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(n,n') Level  
293 Kelvin Cross Sections

41-Nb-95

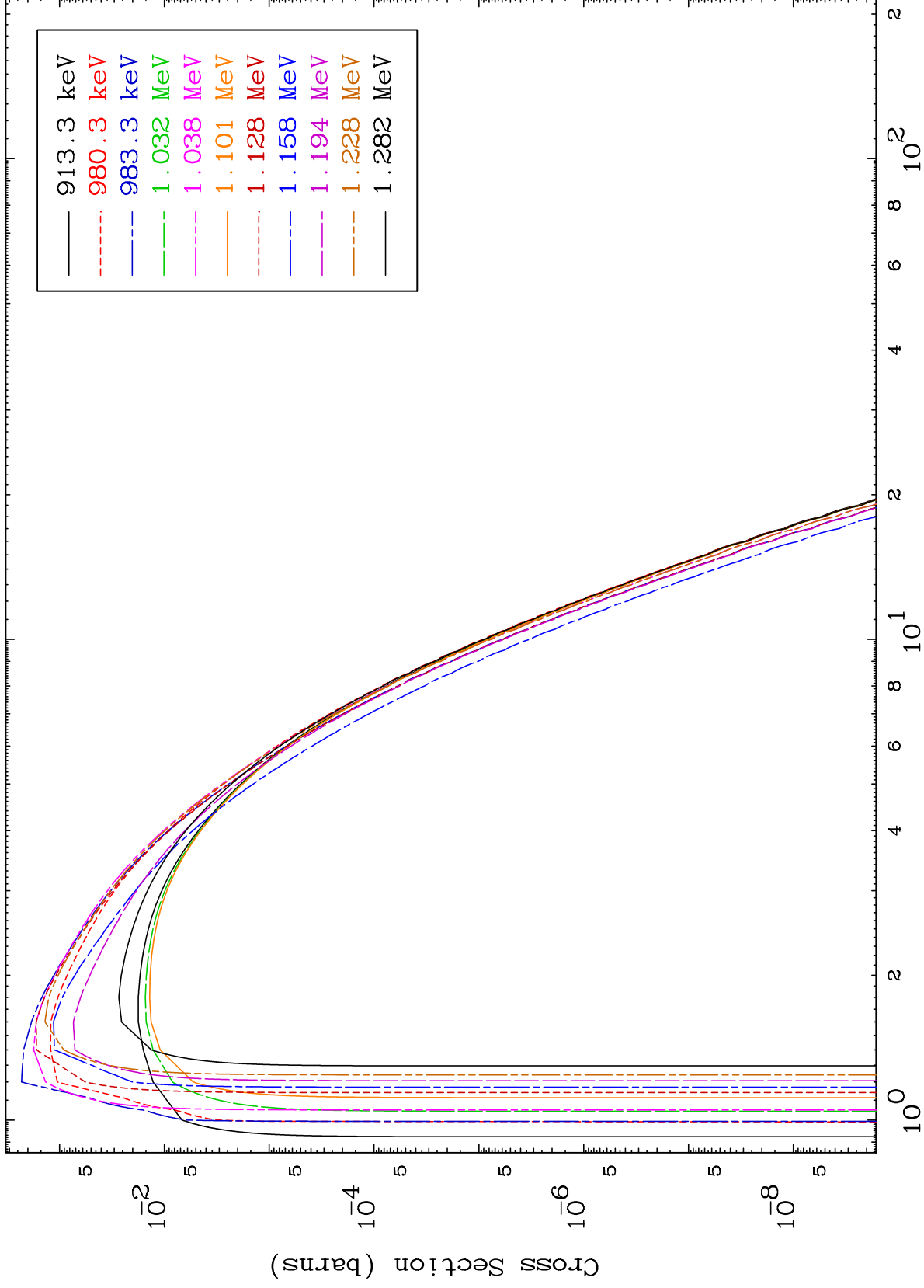




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(n,n') Level  
293 Kelvin Cross Sections

41-Nb-95



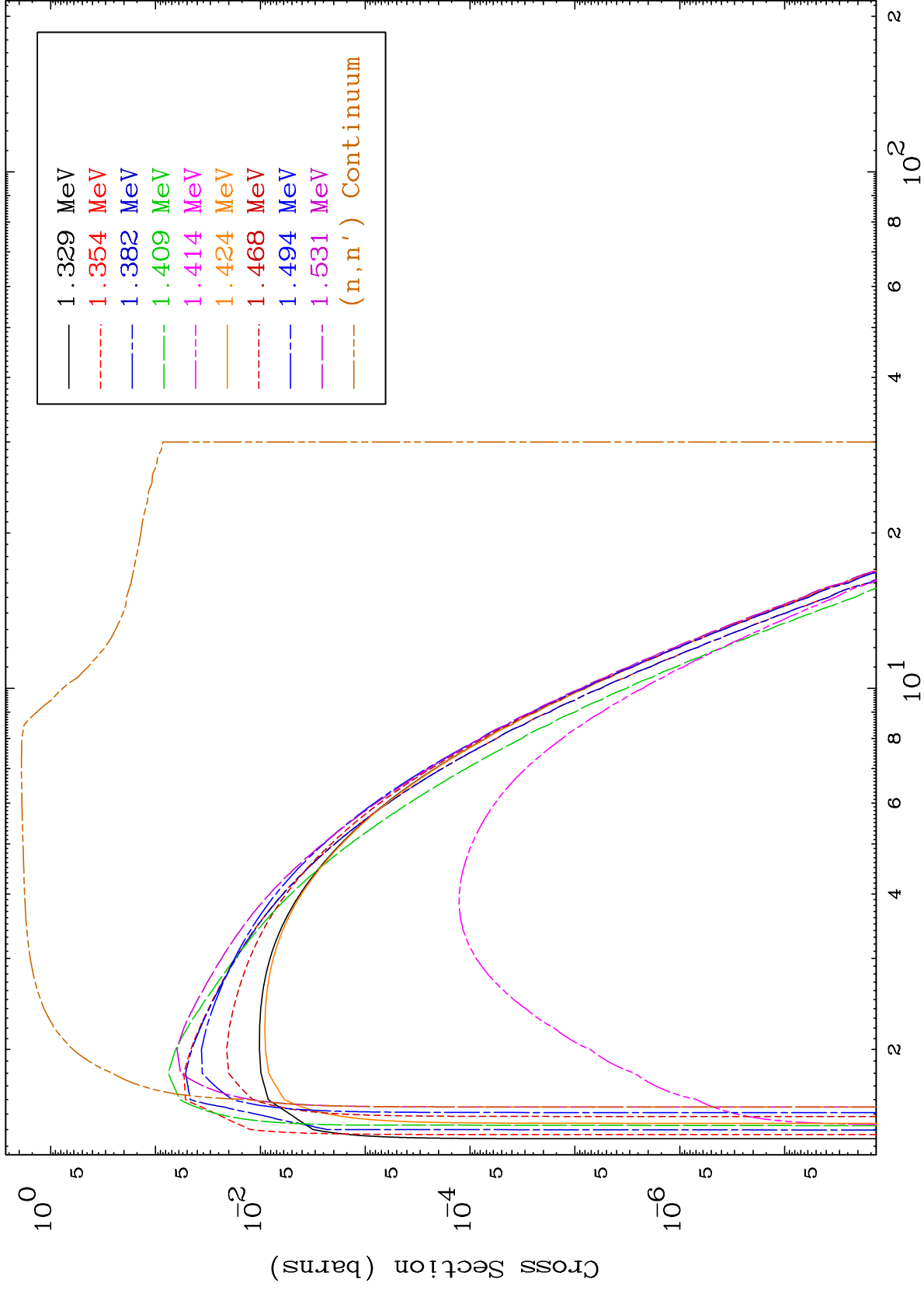
Incident Energy (MeV)

41-Nb-95

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(n,n') Level  
293 Kelvin Cross Sections

41-Nb-95



9

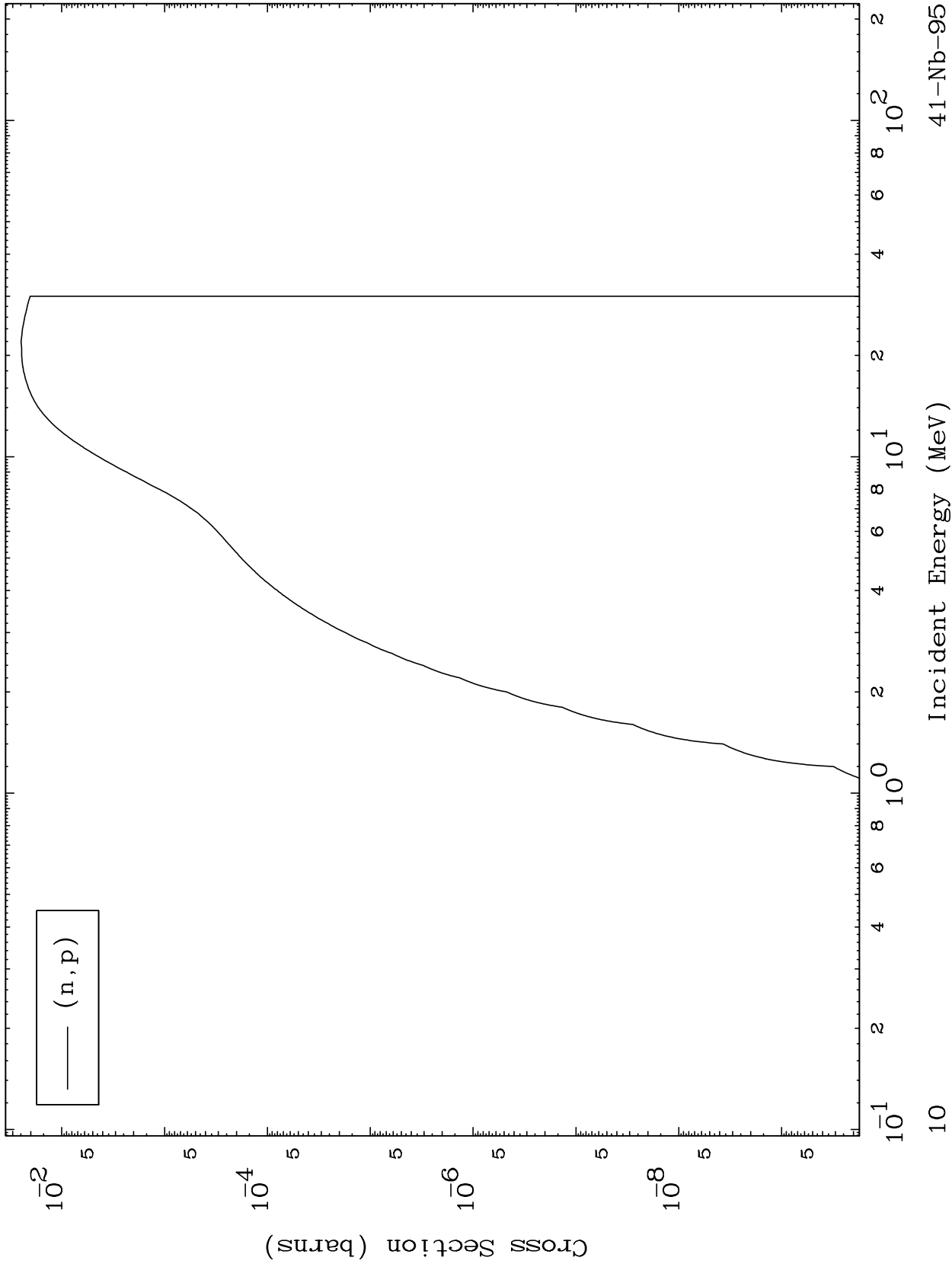
Incident Energy (MeV)

41-Nb-95

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(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-95

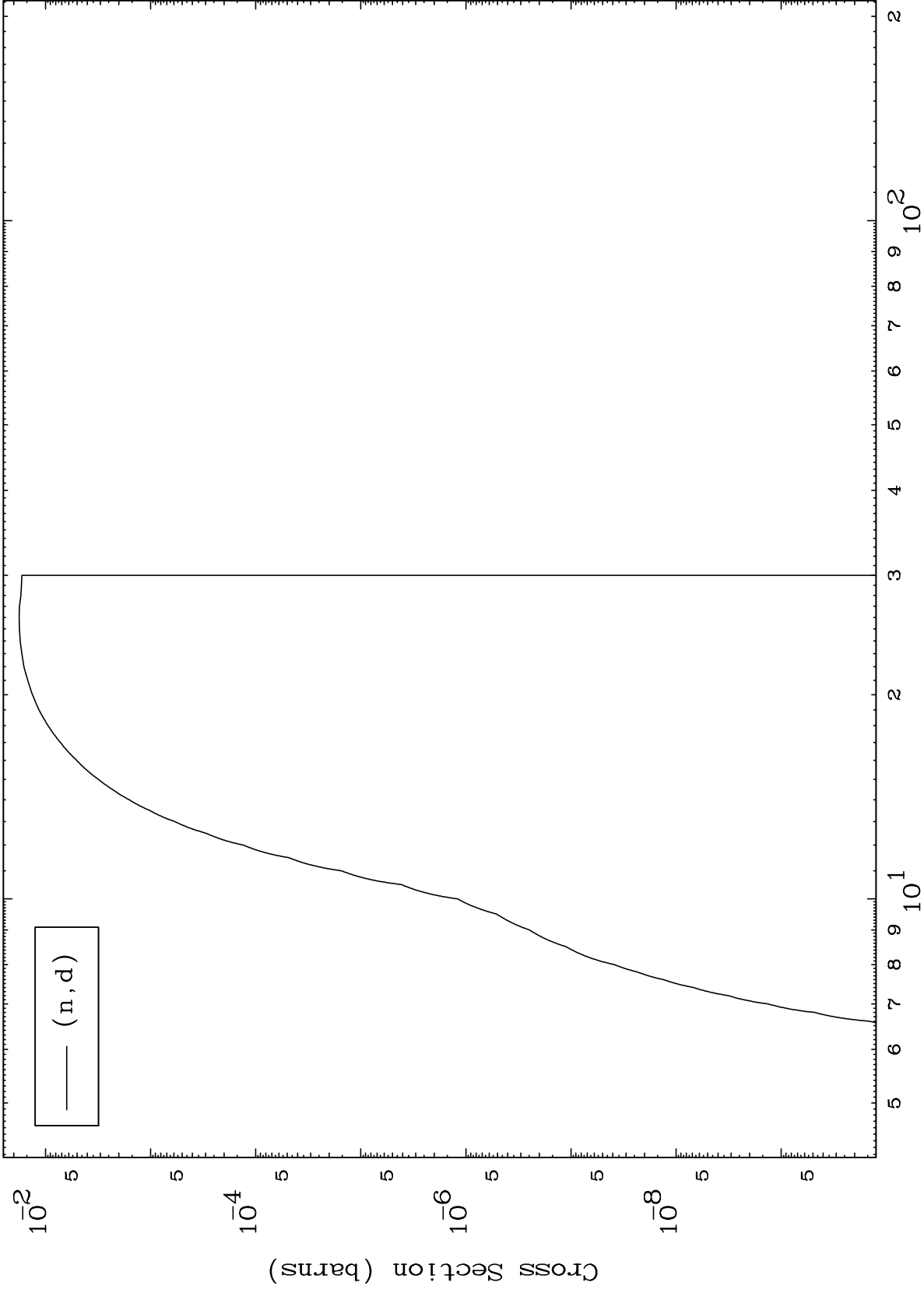


41-Nb-95

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(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-95



11

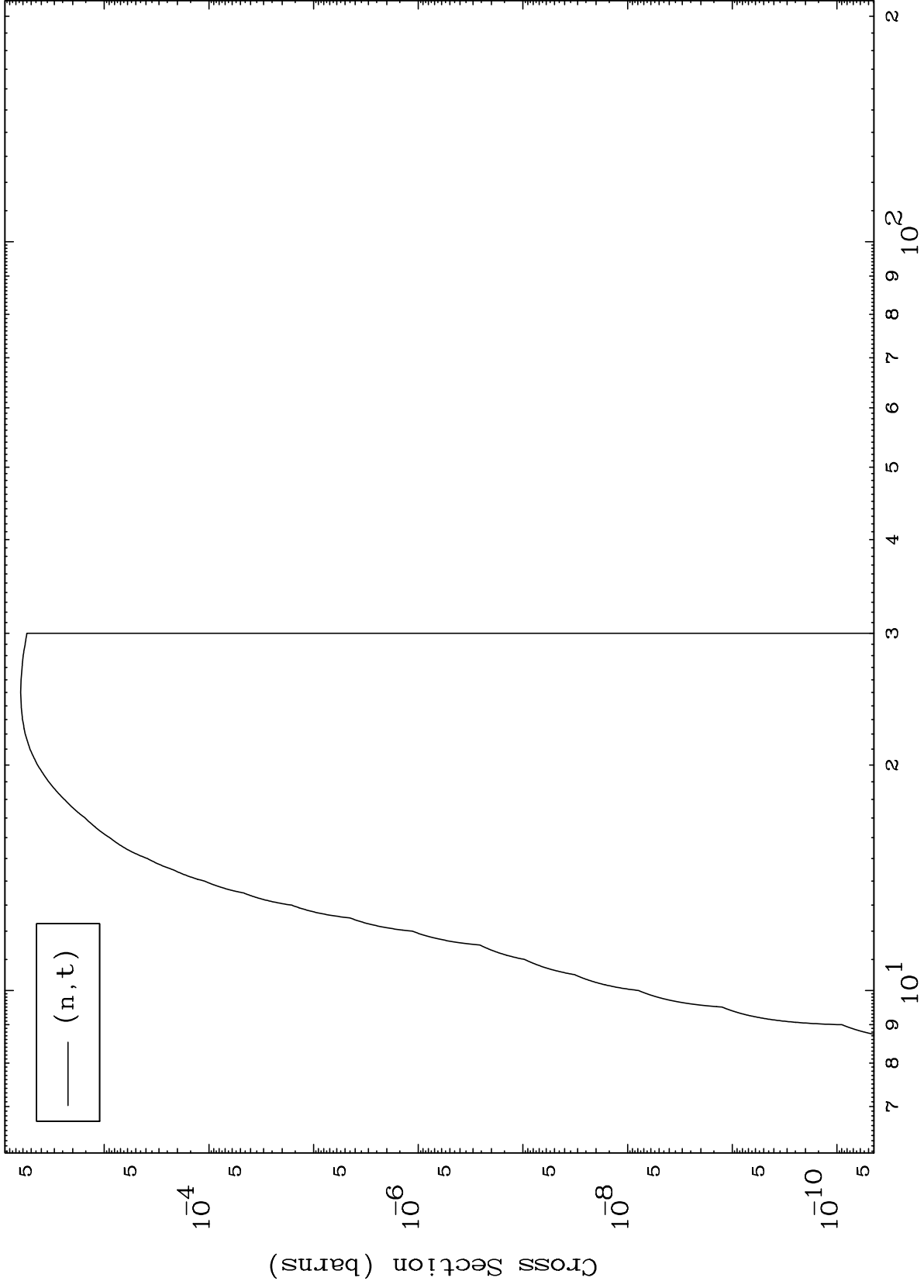
Incident Energy (MeV)

41-Nb-95

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(n, t) Levels  
293 Kelvin Cross Sections

41-Nb-95



12

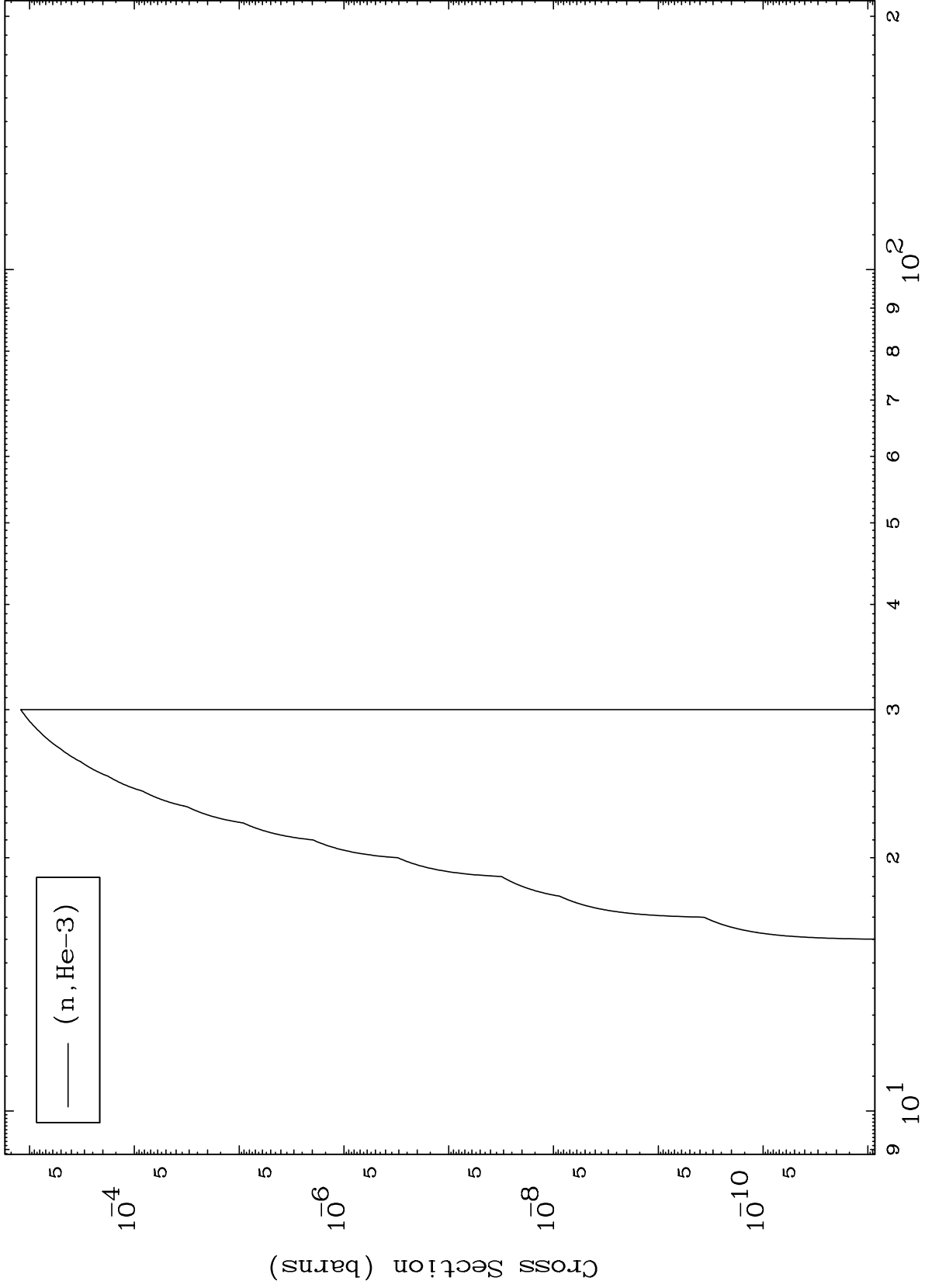
Incident Energy (MeV)

41-Nb-95

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(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-95



13

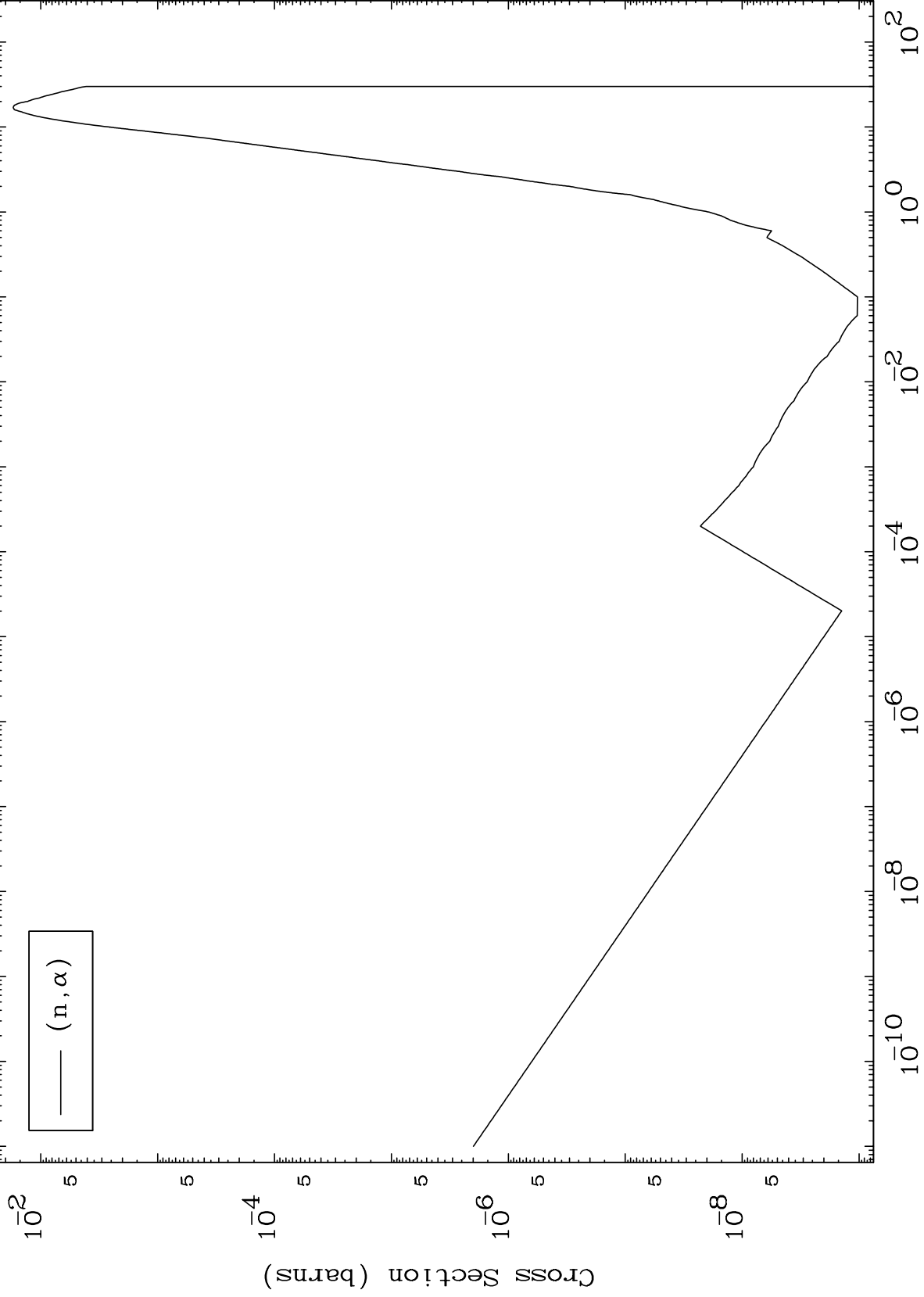
Incident Energy (MeV)

41-Nb-95

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

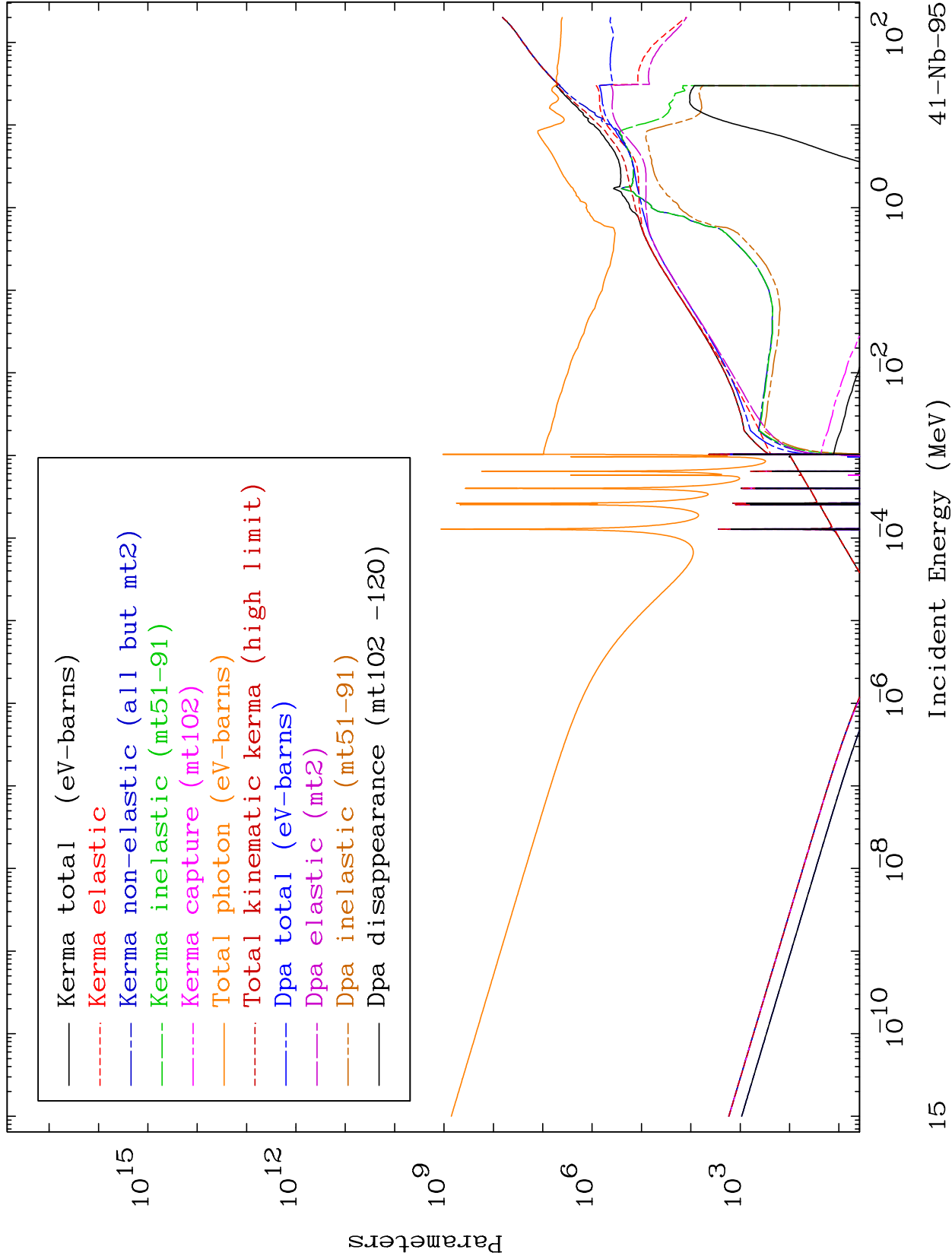
41-Nb-95



14

Incident Energy (MeV)

41-Nb-95



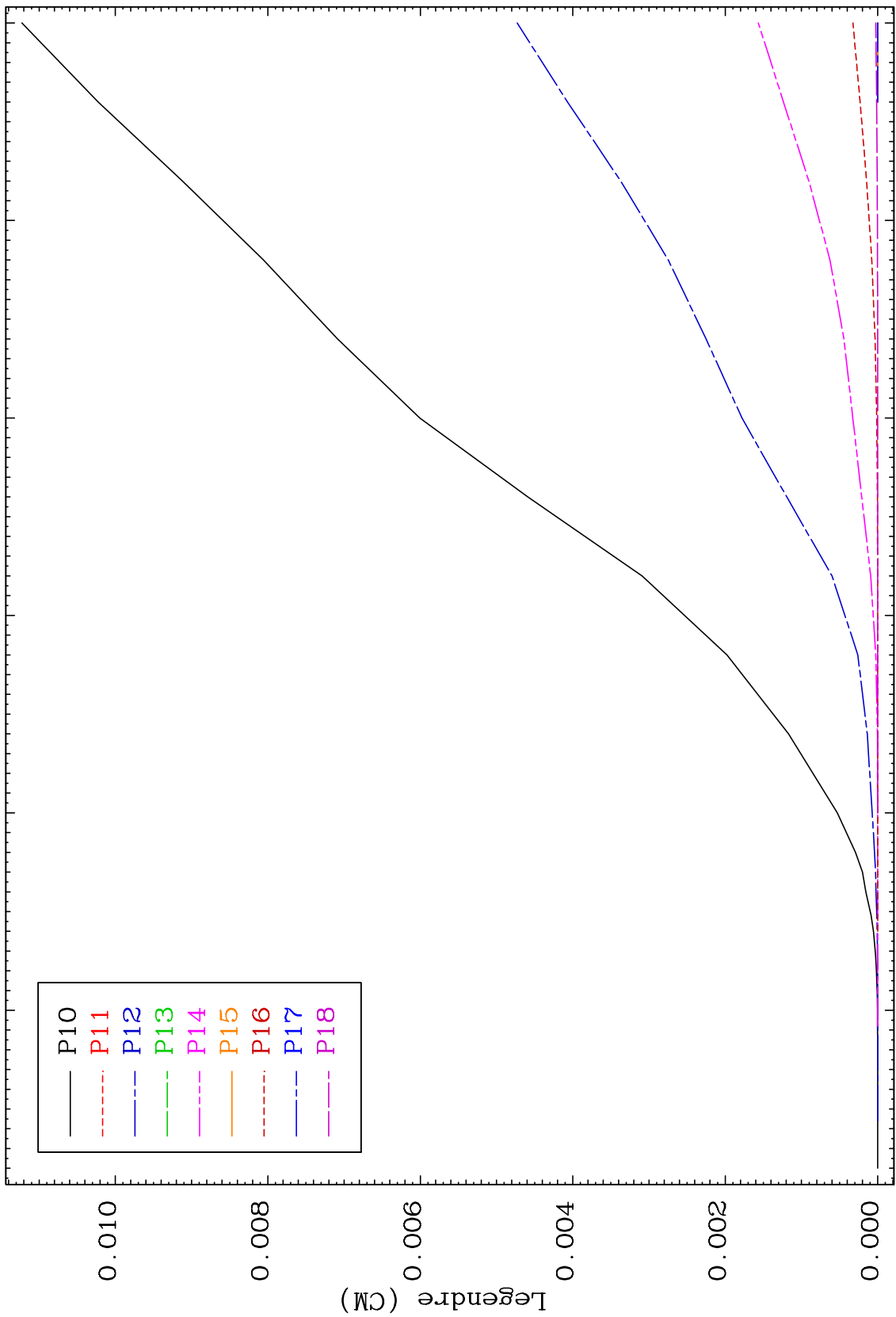




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Elastic Legendre Coefficients

41-Nb-95



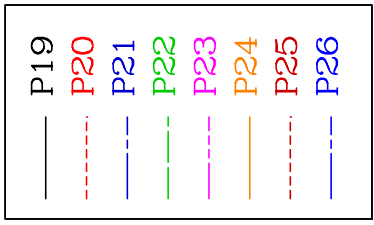
17

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Elastic  
Legendre Coefficients

41-Nb-95



Legendre (CM)  $\times 10^{-6}$

1.2

0.8

0.4

0.0

15 20 25 30

18

Incident Energy (MeV)

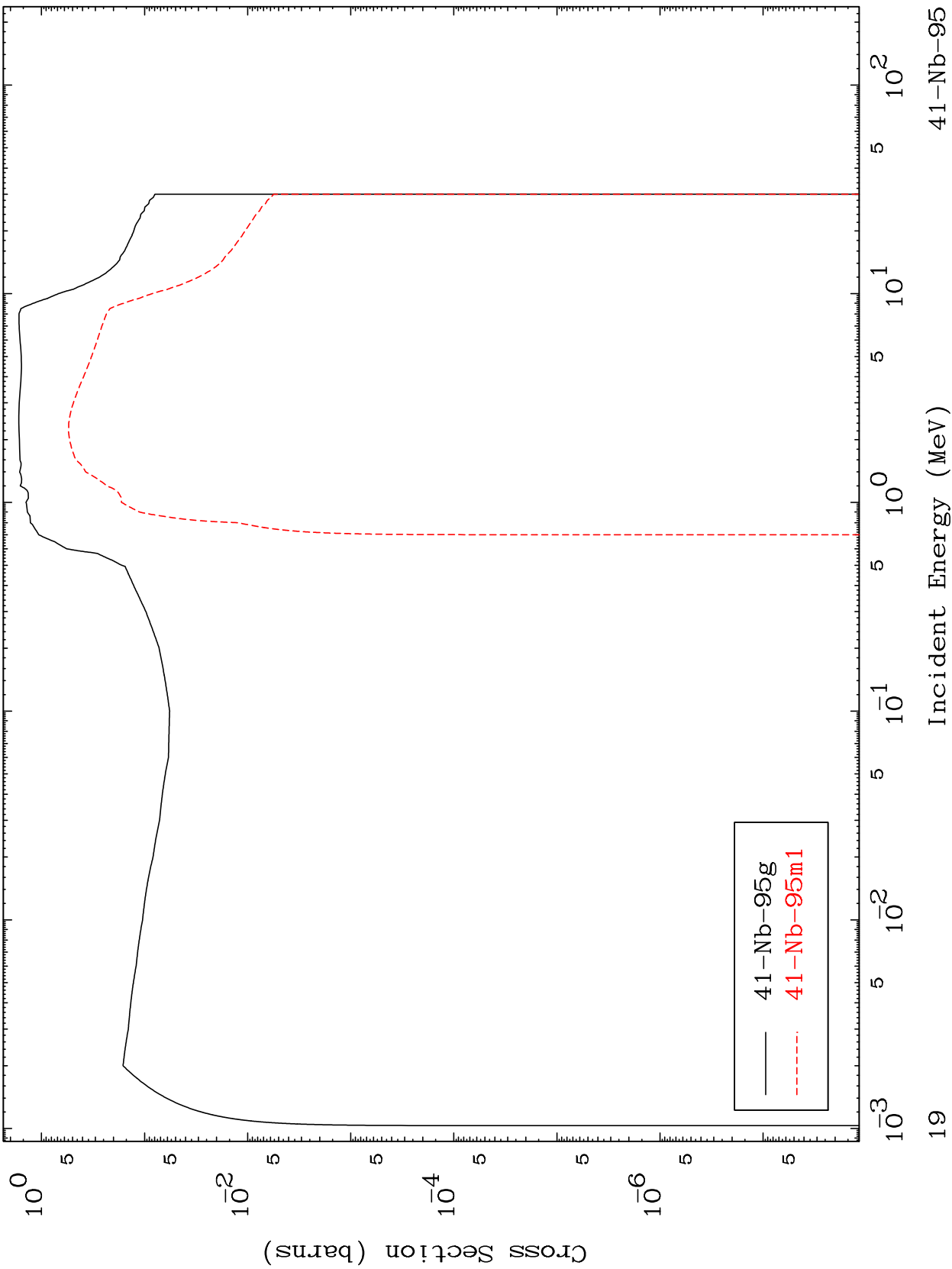
41-Nb-95



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41-Nb-95

Inelastic  
Radionuclide Production Cross Section

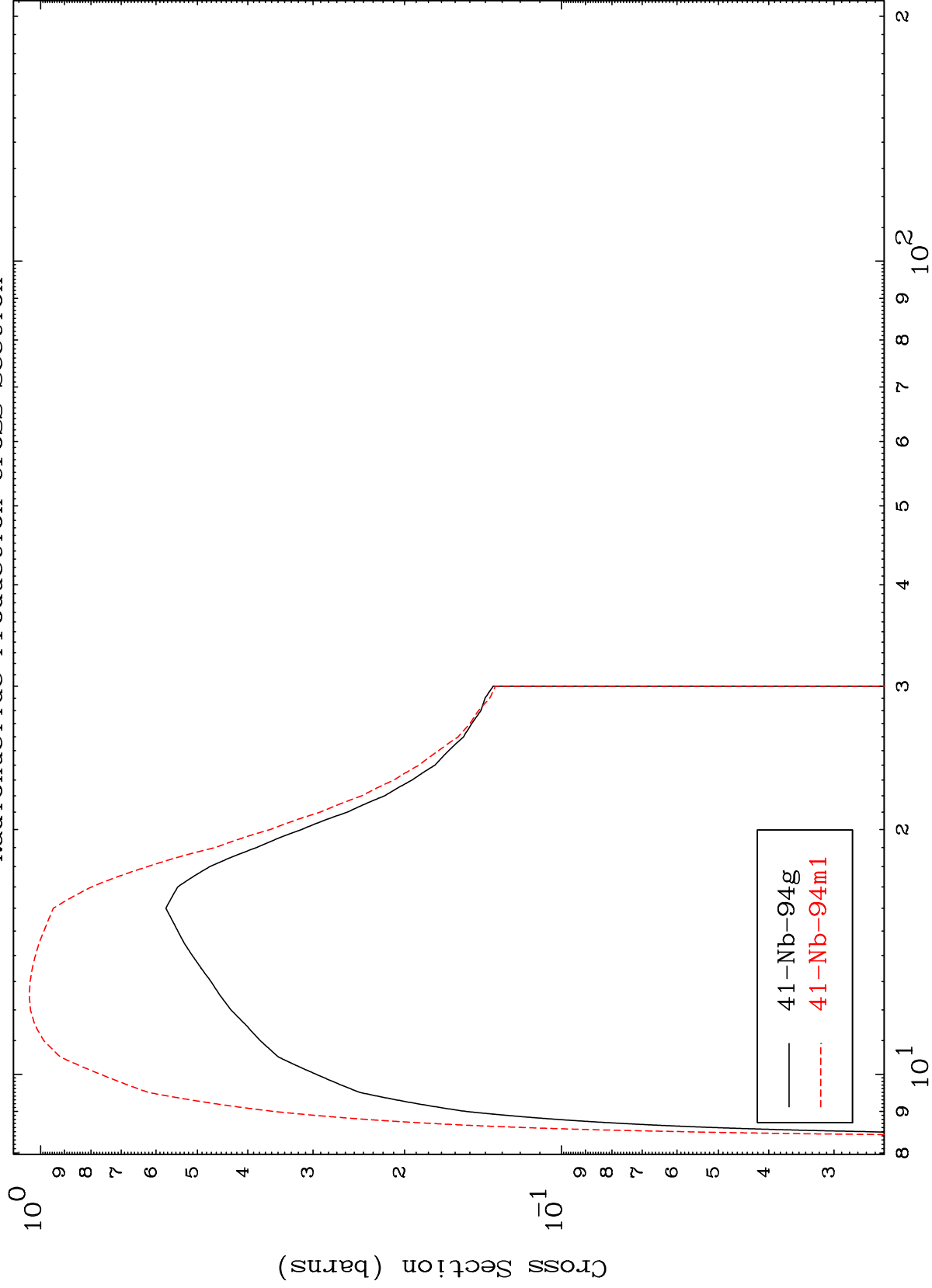


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(n,2n)

41-Nb-95

Radionuclide Production Cross Section



20

Incident Energy (MeV)

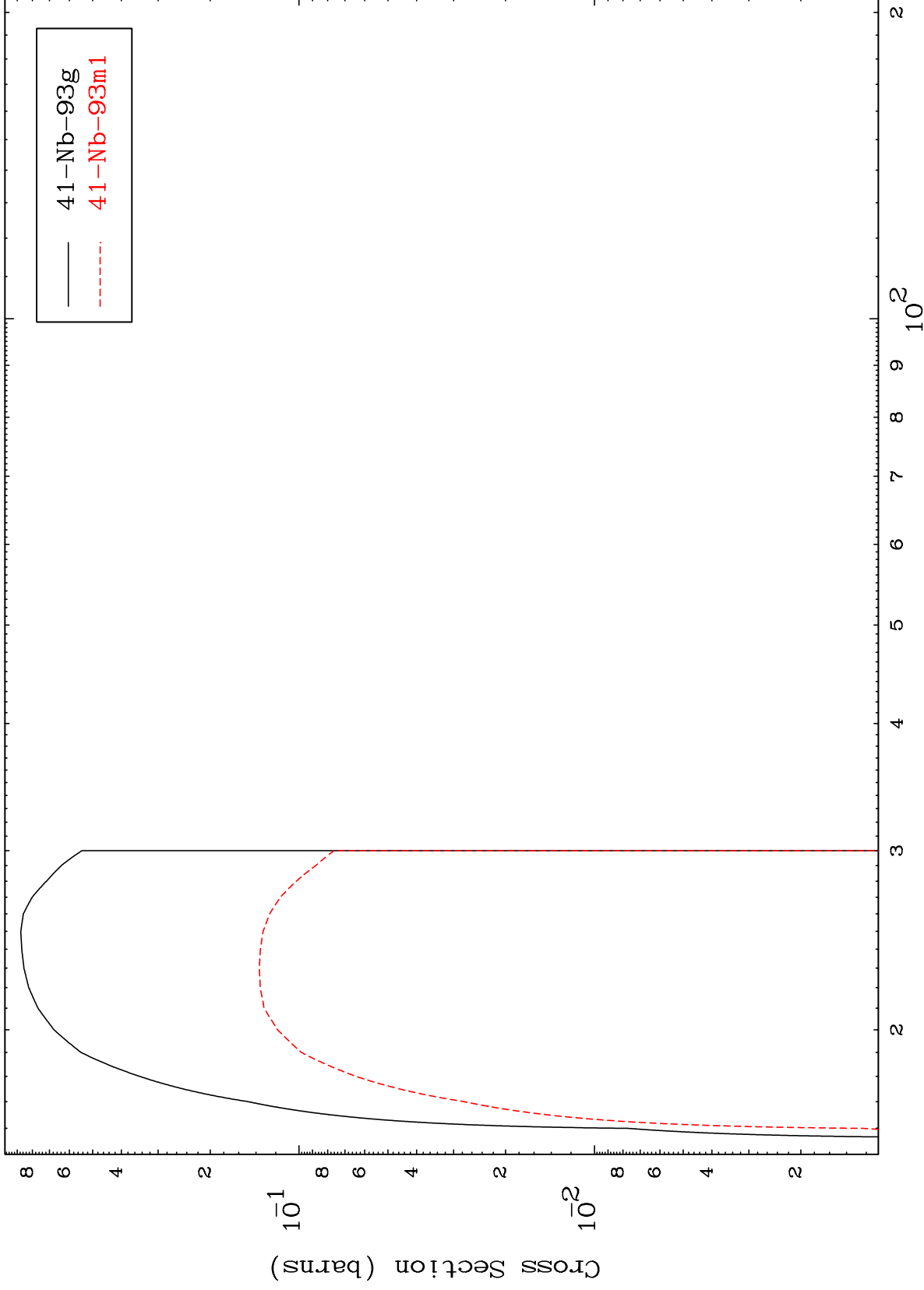
41-Nb-95

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(n,3n)

41-Nb-95

Radionuclide Production Cross Section



21

Incident Energy (MeV)

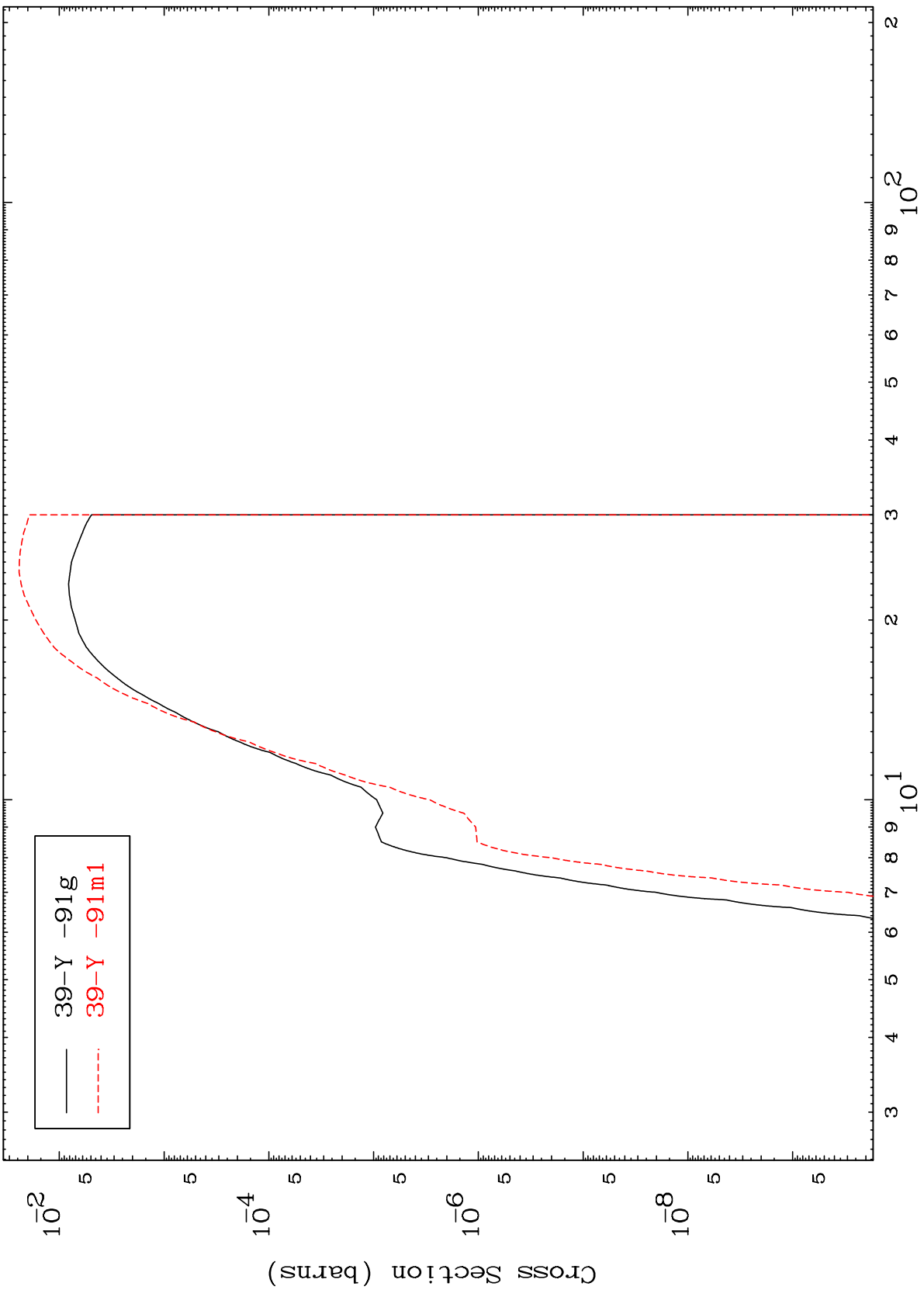
41-Nb-95

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$(n, n') \alpha$

41-Nb-95

Radionuclide Production Cross Section



— 39-Y -91g  
- - - 39-Y -91m1

Incident Energy (MeV)

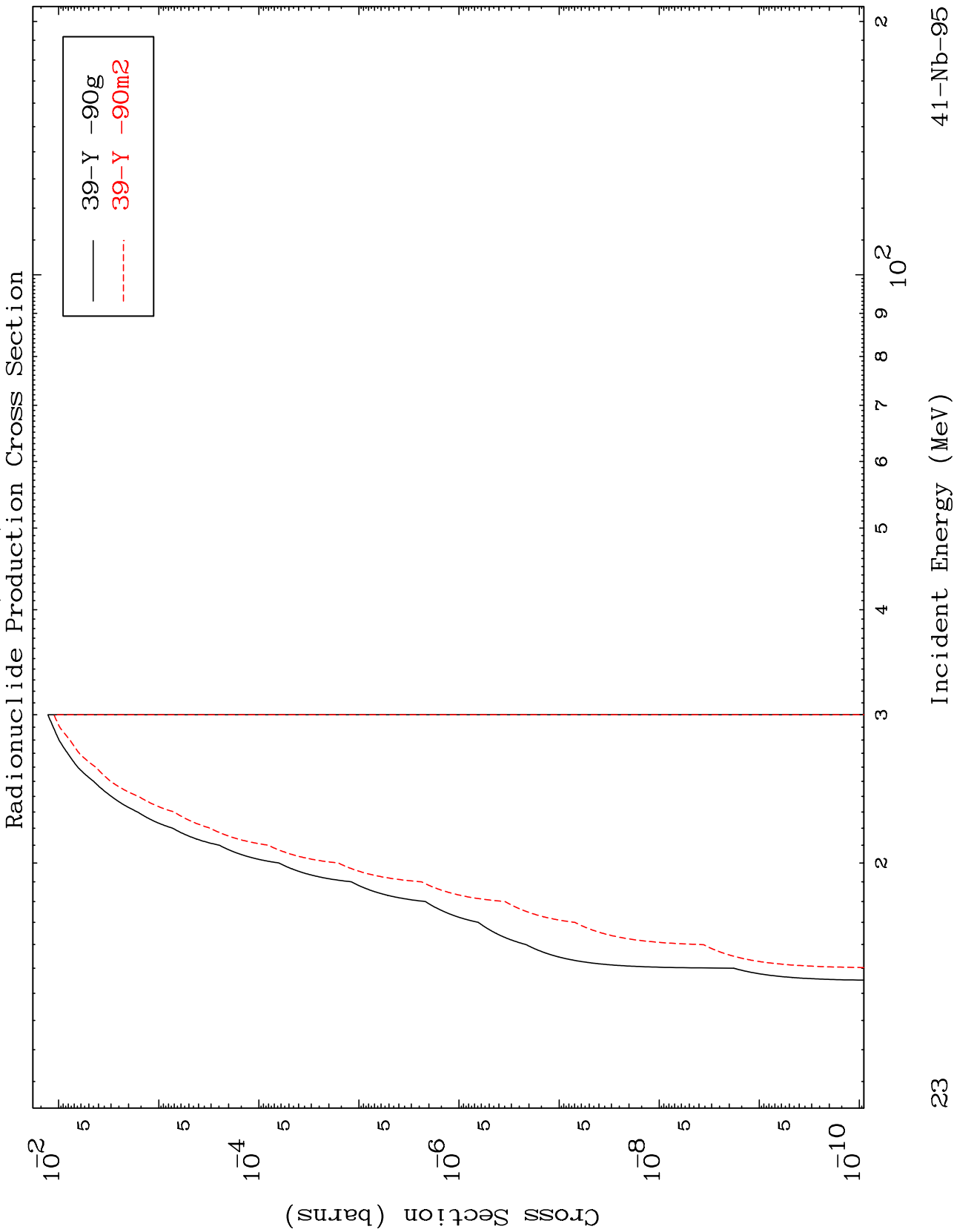
41-Nb-95

22

MAT 4132

(n,2n)  $\alpha$

41-Nb-95



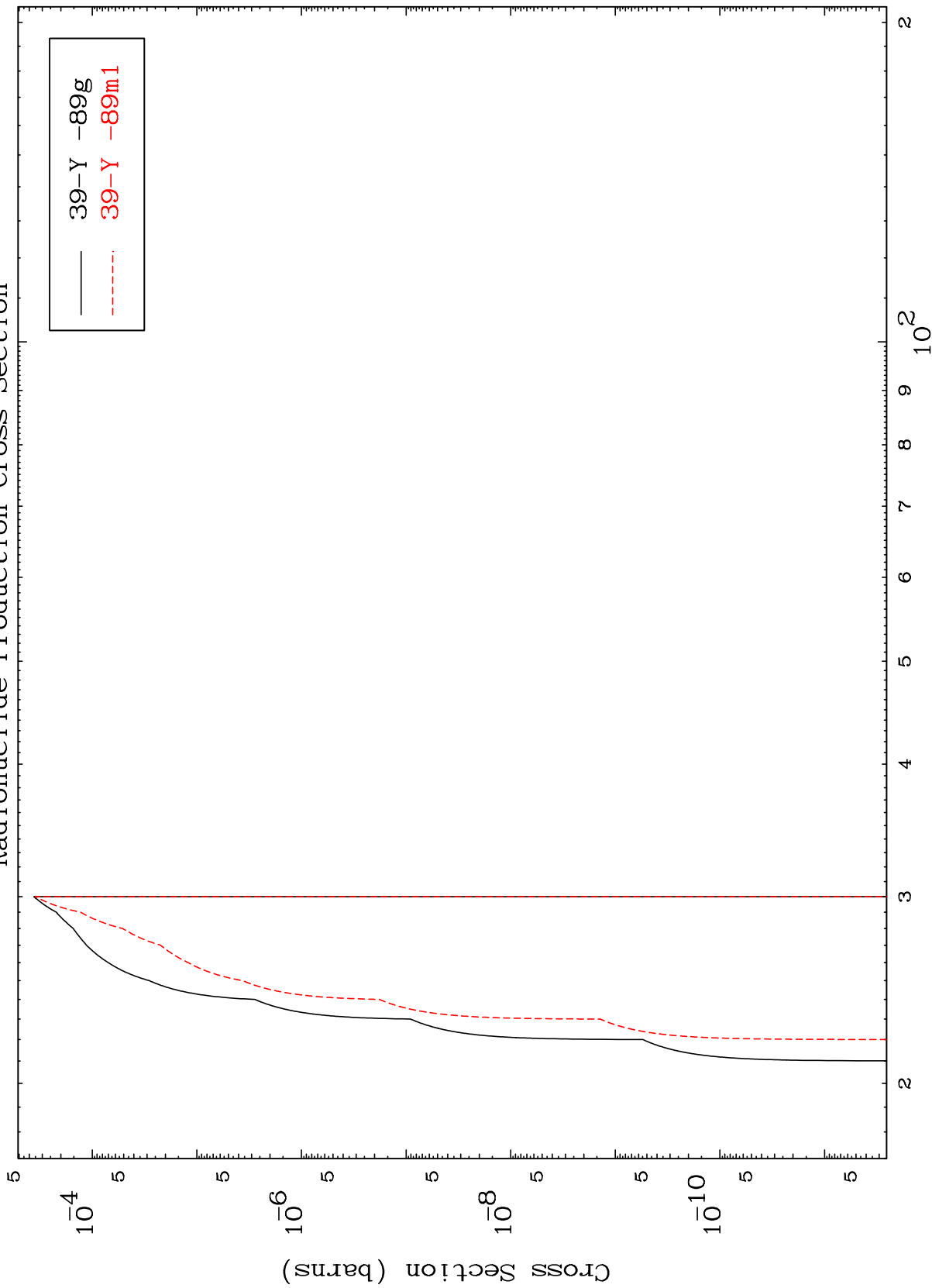


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(n,3n)  $\alpha$

41-Nb-95

Radionuclide Production Cross Section



24

Incident Energy (MeV)

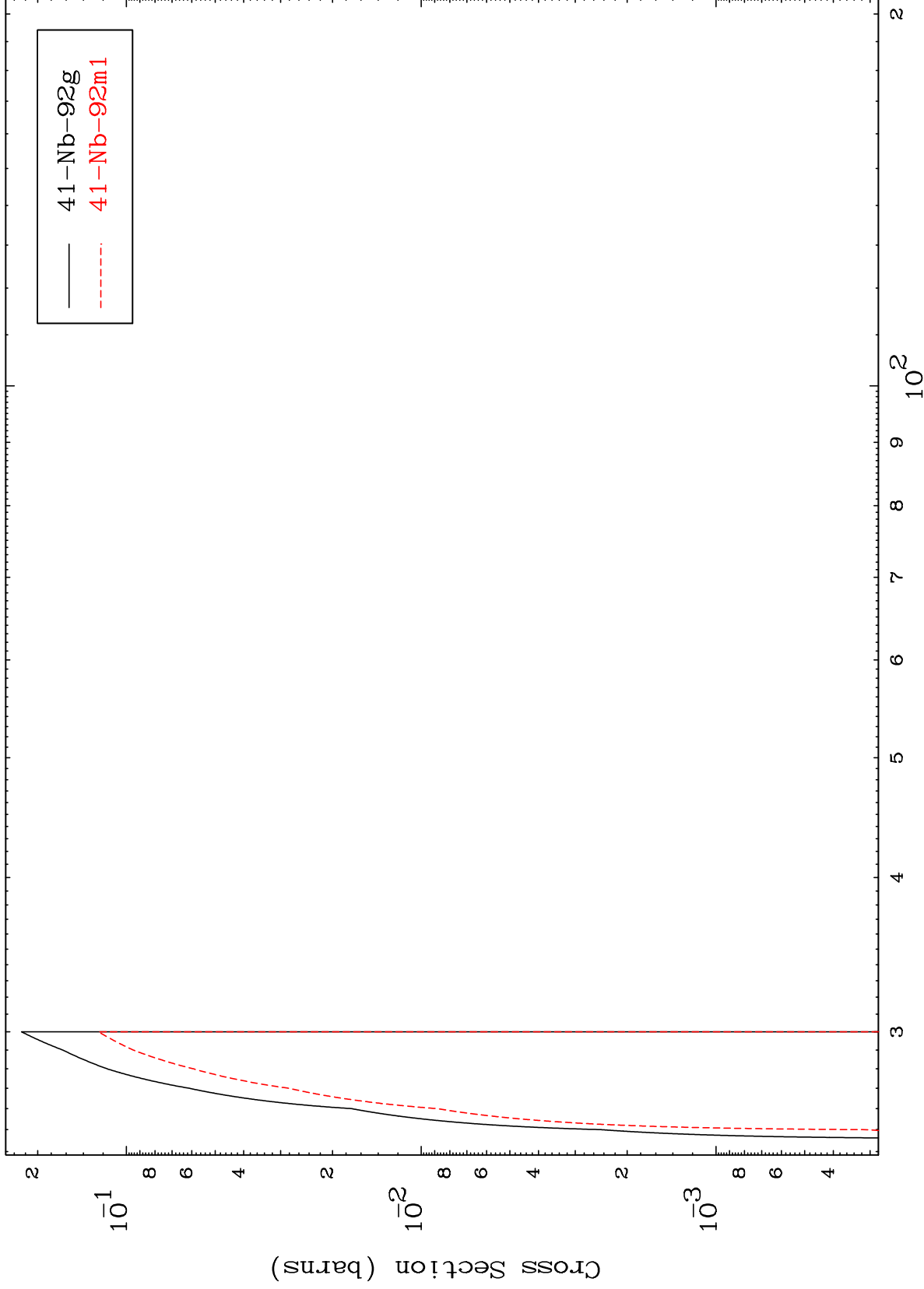
41-Nb-95

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(n,4n)

41-Nb-95

Radionuclide Production Cross Section

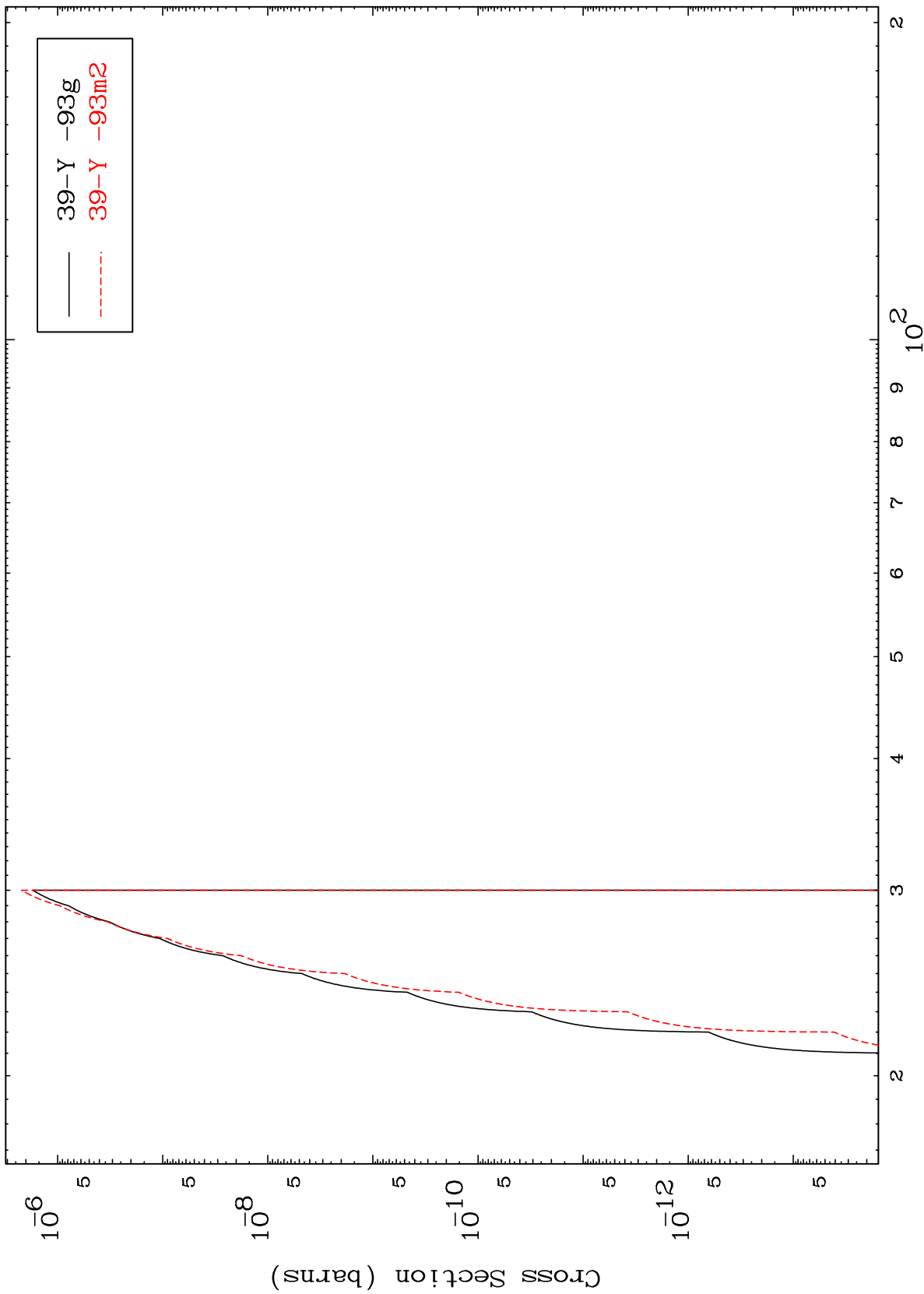


25

Incident Energy (MeV)

41-Nb-95

Radionuclide Production Cross Section

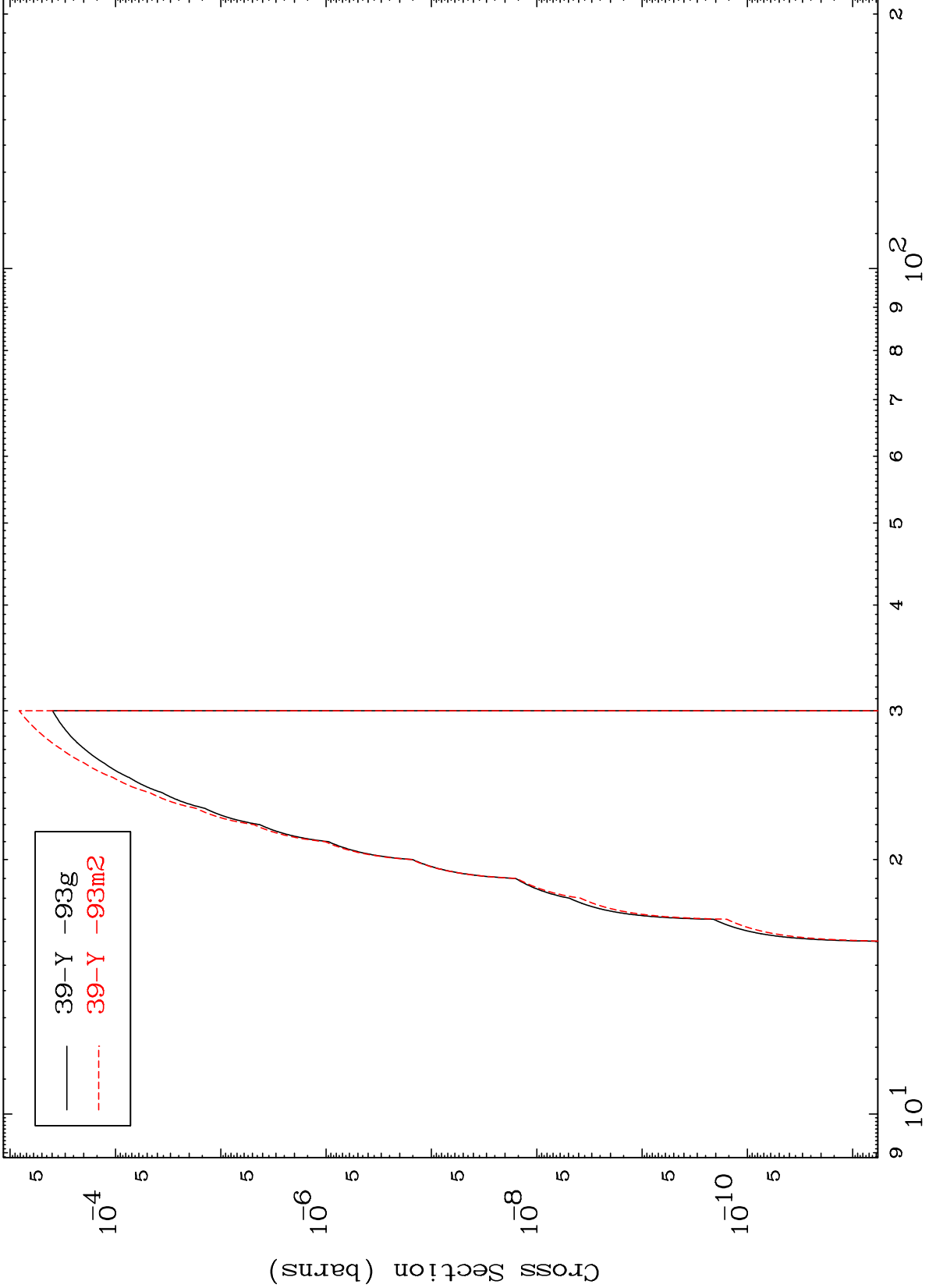


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(n,He-3)

41-Nb-95

Radionuclide Production Cross Section



39-Y -93g  
39-Y -93m2

27

Incident Energy (MeV)

41-Nb-95

