

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

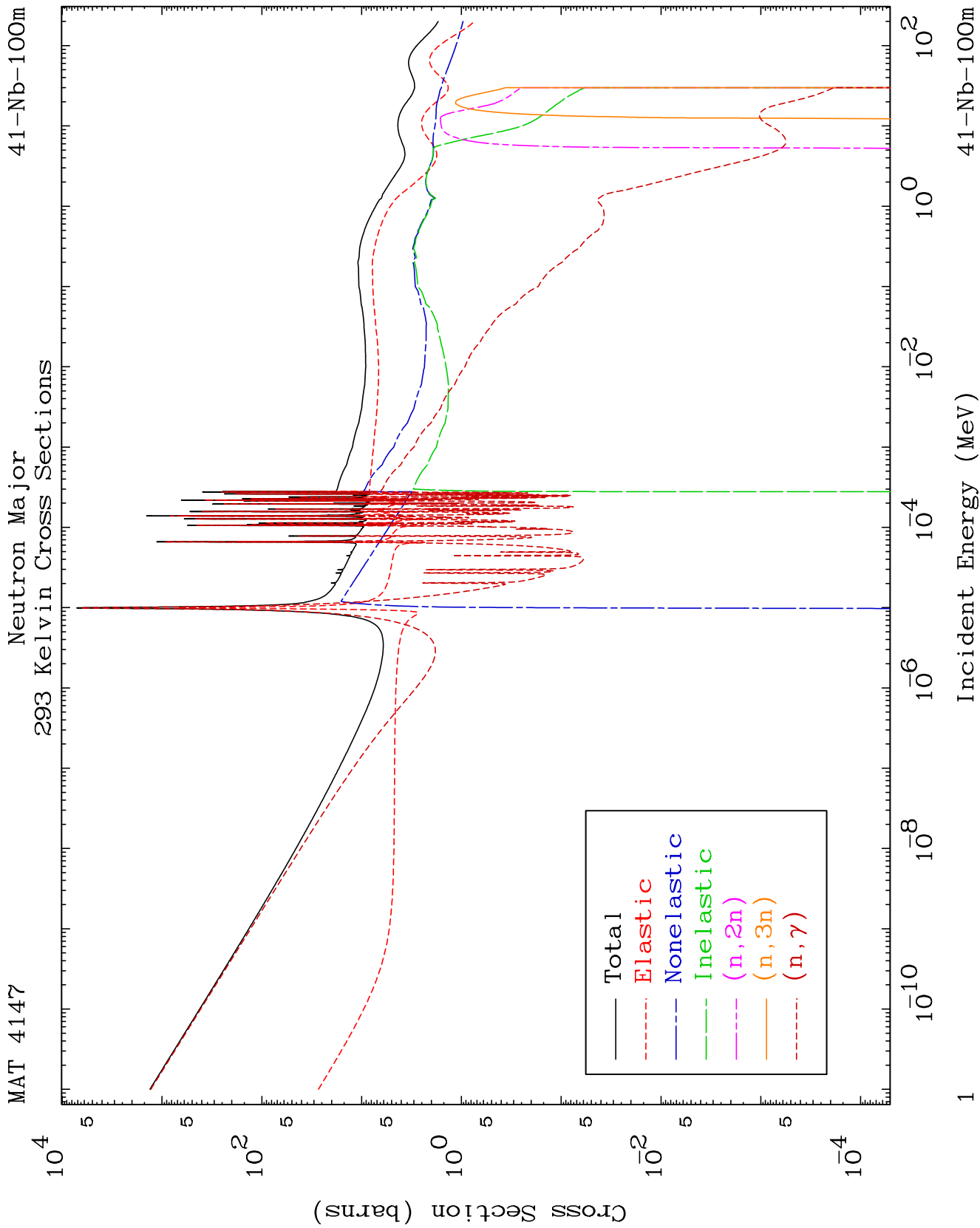
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Web:redcullen1.net/HOMEPAGE.NEW

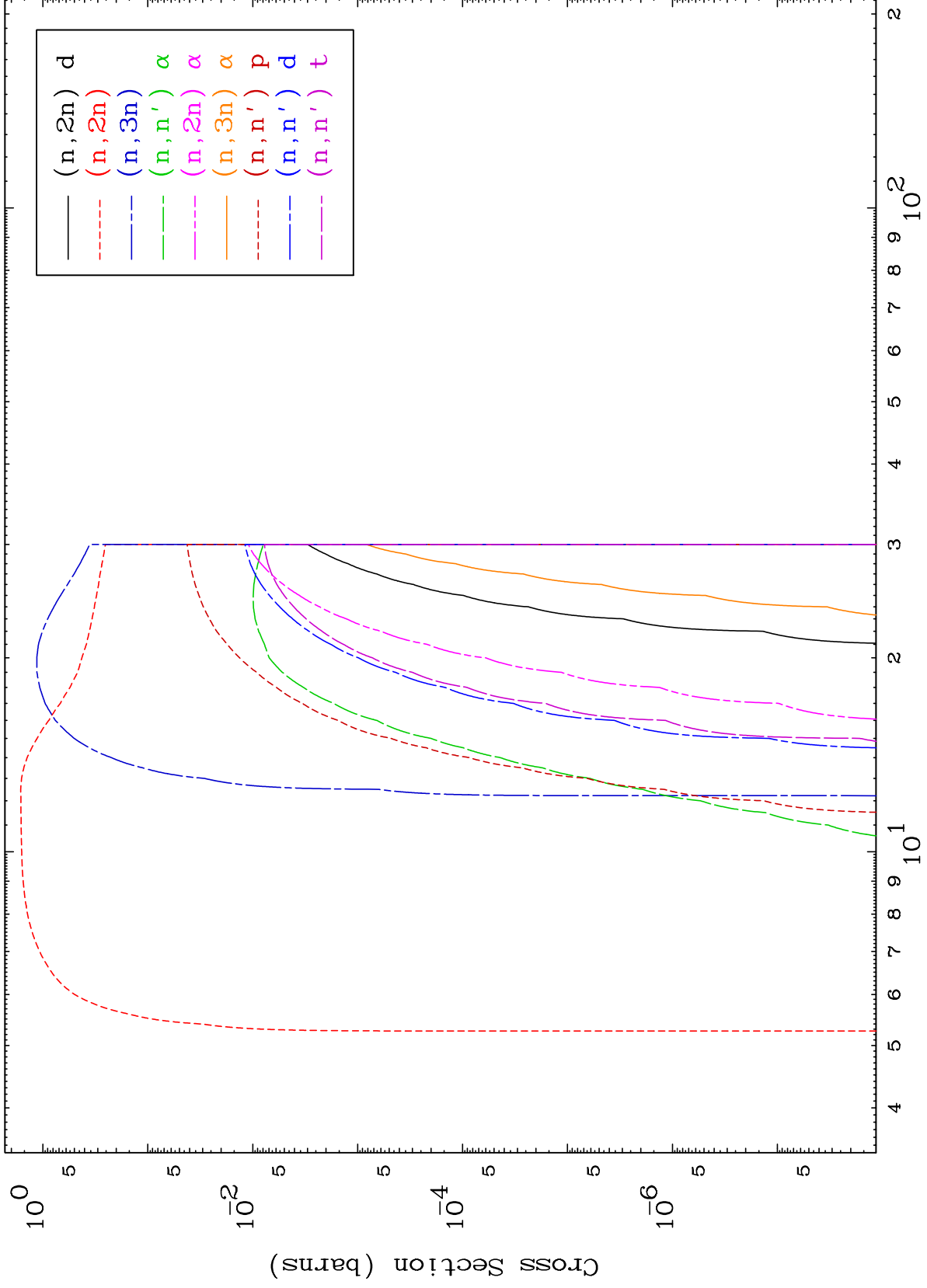
Press Mouse Button to Start



MAT 4147

Neutron Absorption
293 Kelvin Cross Sections

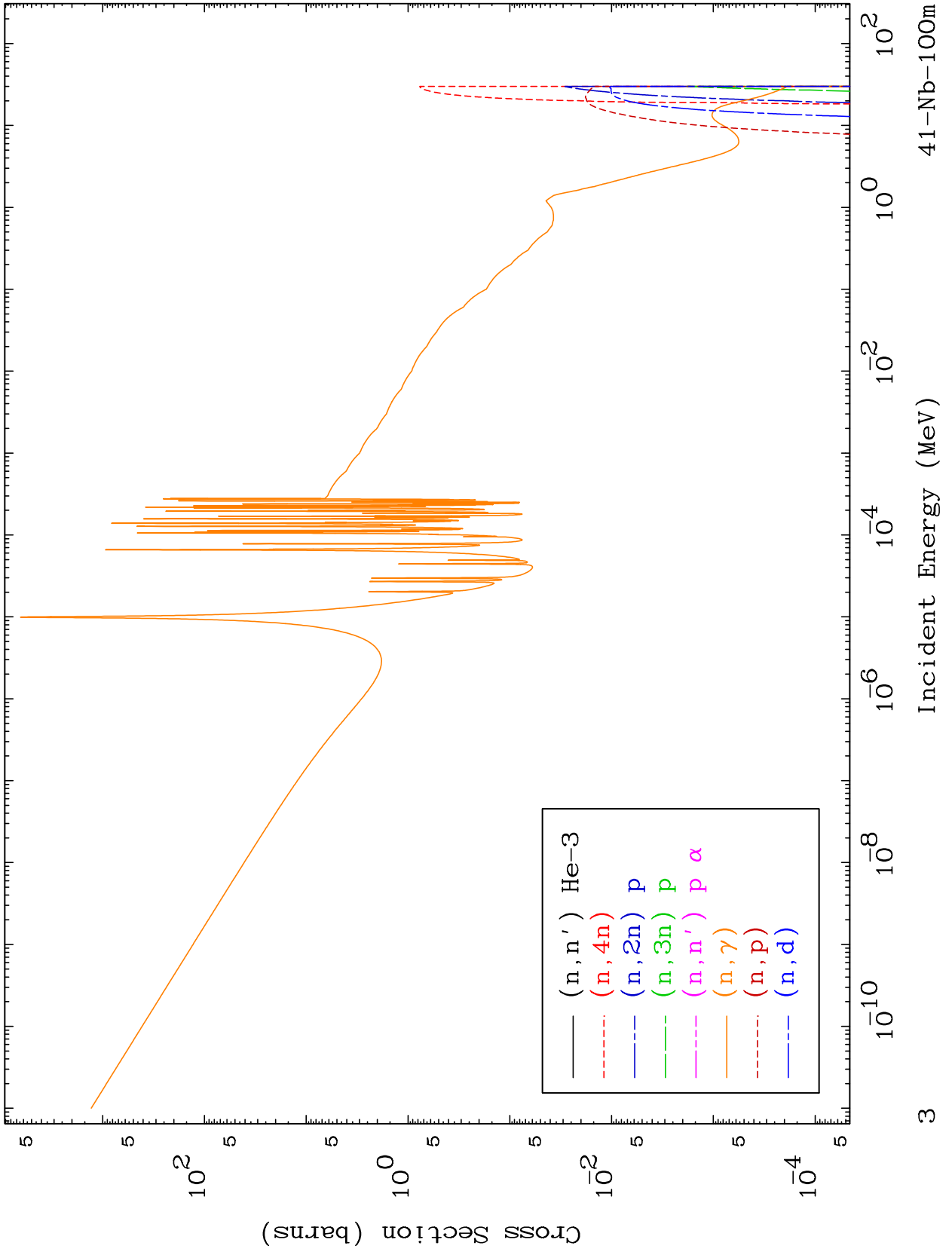
41-Nb-100m



MAT 4147

Neutron Absorption
293 Kelvin Cross Sections

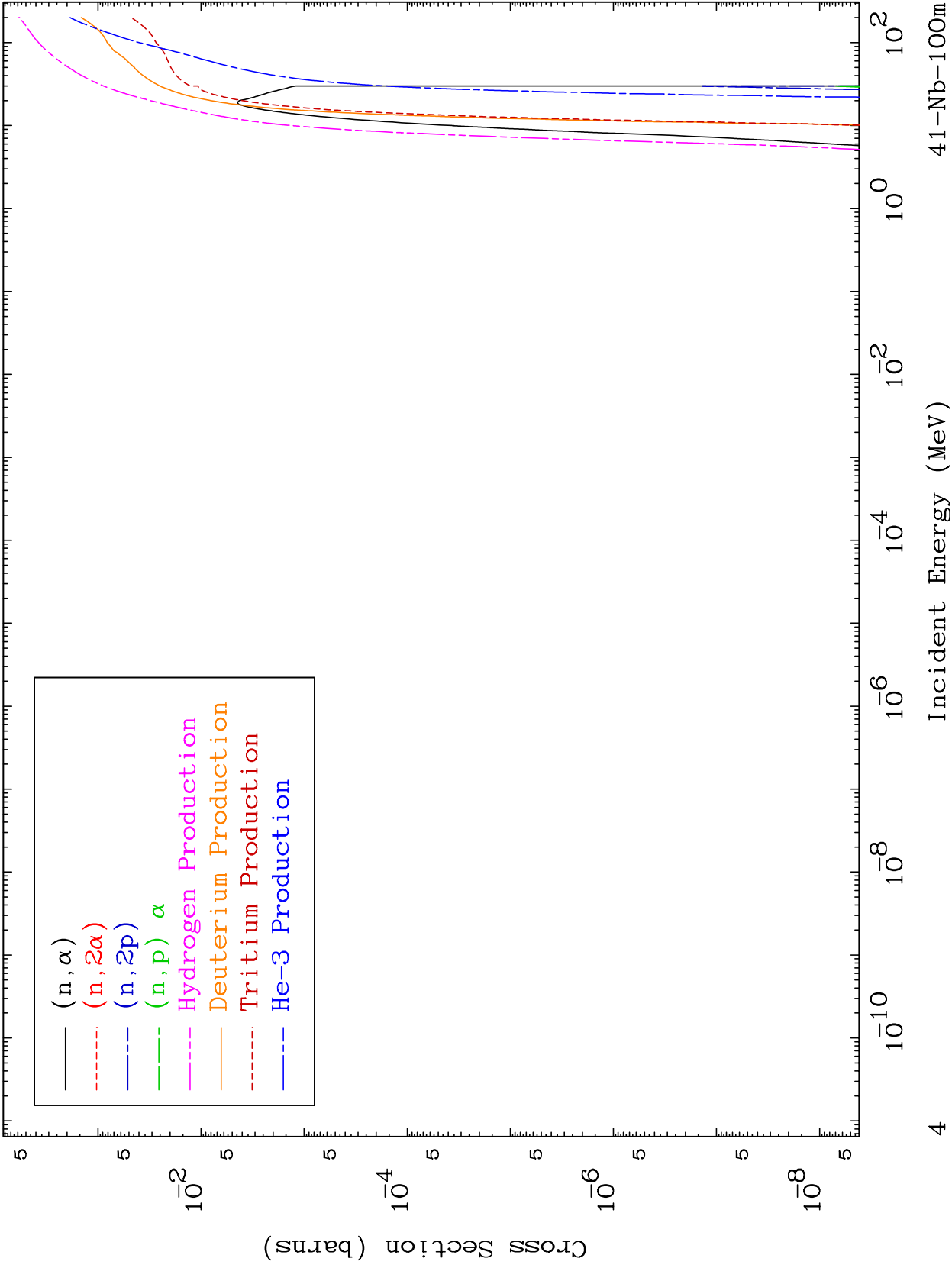
41-Nb-100m



MAT 4147

Neutron Absorption
293 Kelvin Cross Sections

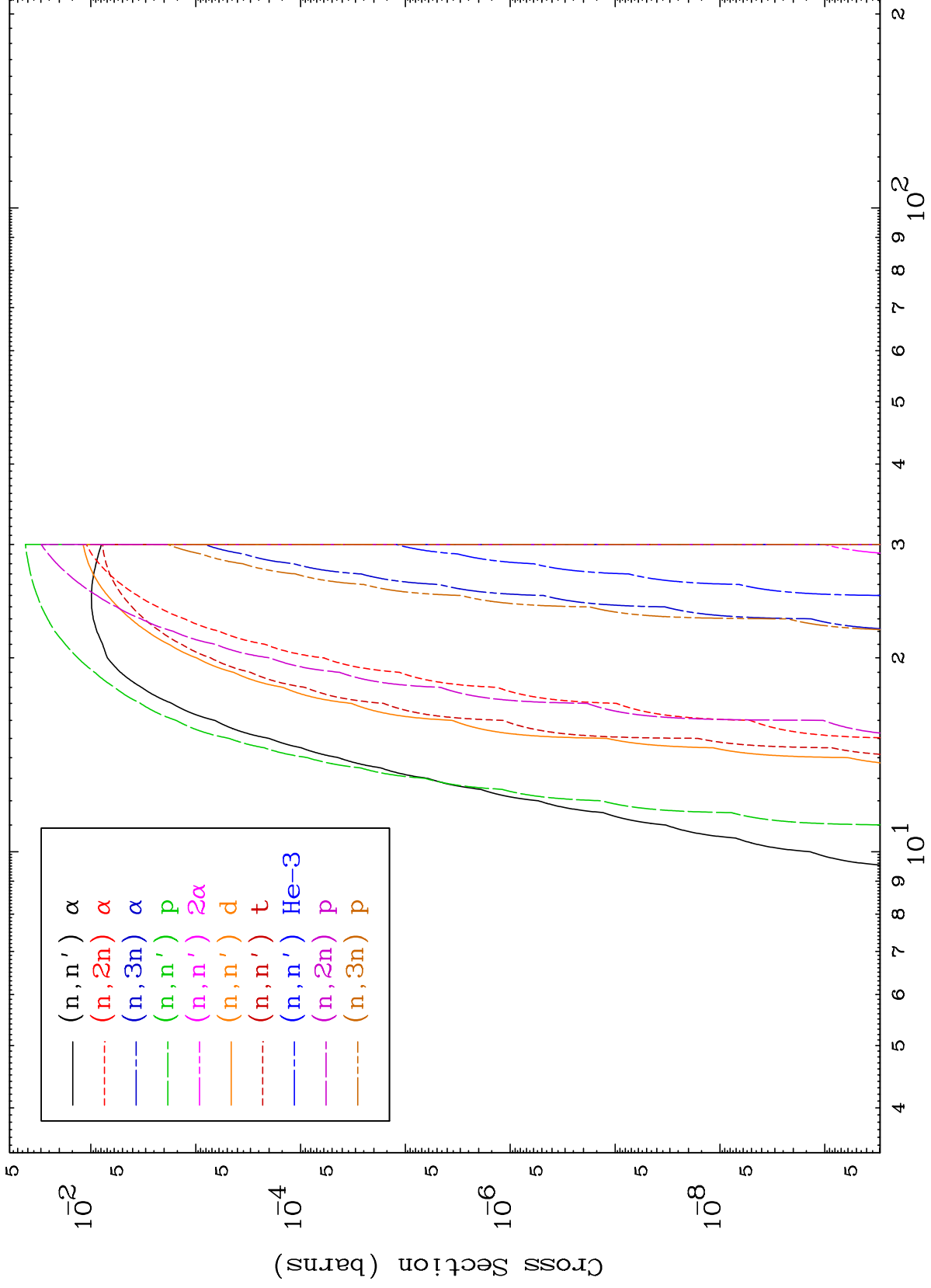
41-Nb-100m



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Charged Particle
293 Kelvin Cross Sections

41-Nb-100m



5

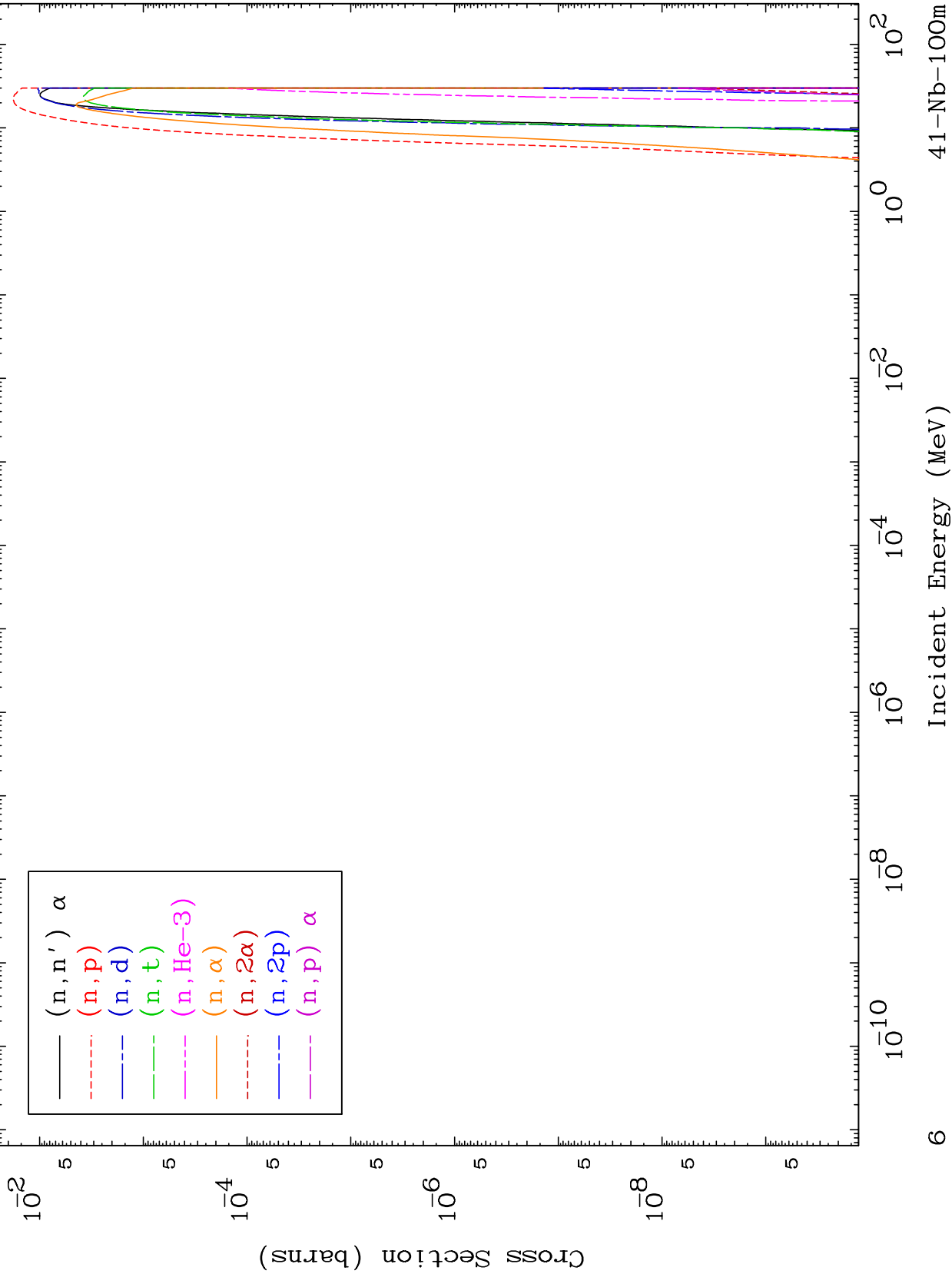
Incident Energy (MeV)

41-Nb-100m

MAT 4147

Charged Particle
293 Kelvin Cross Sections

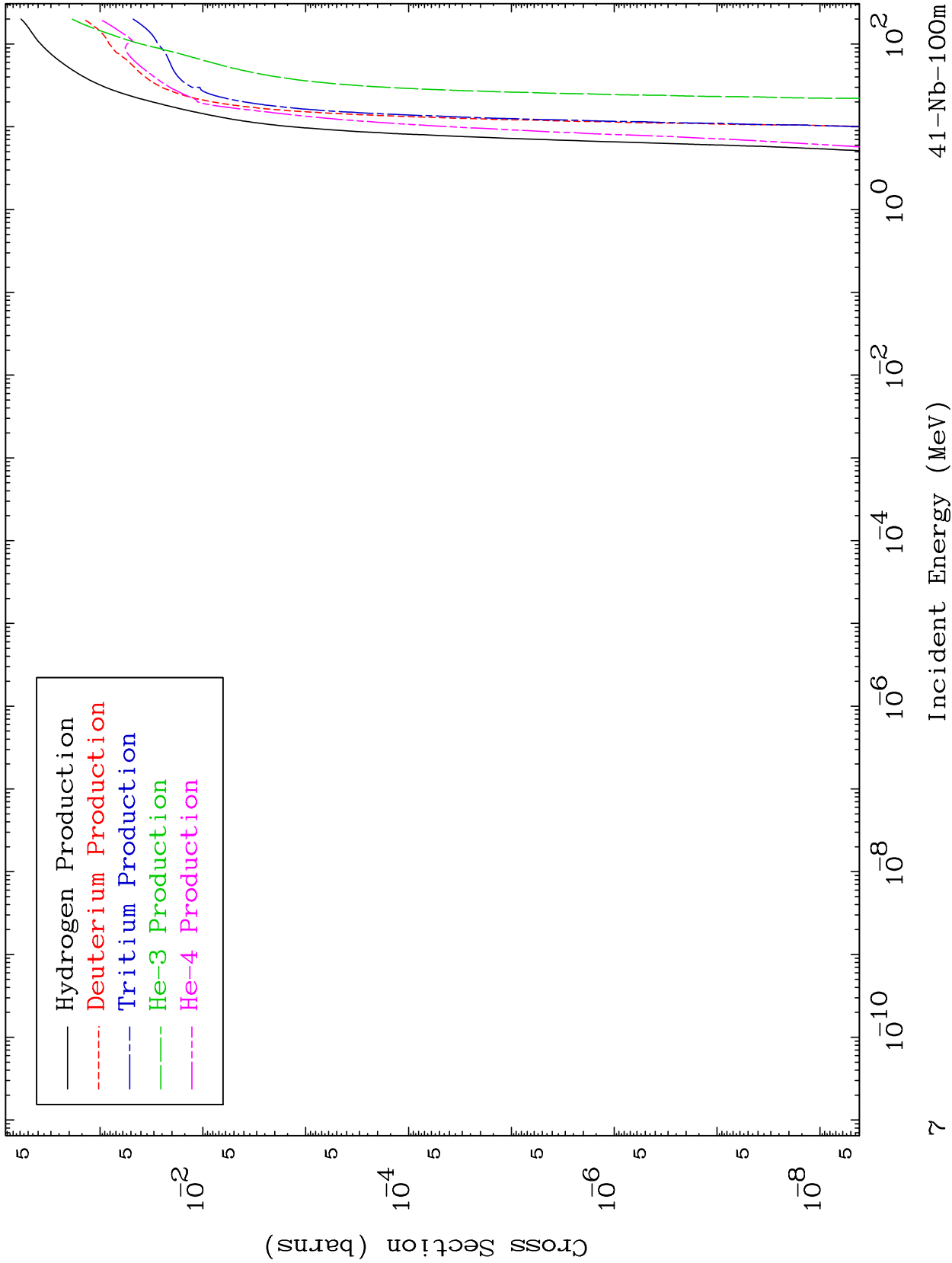
41-Nb-100m



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Particle Production
293 Kelvin Cross Sections

41-Nb-100m

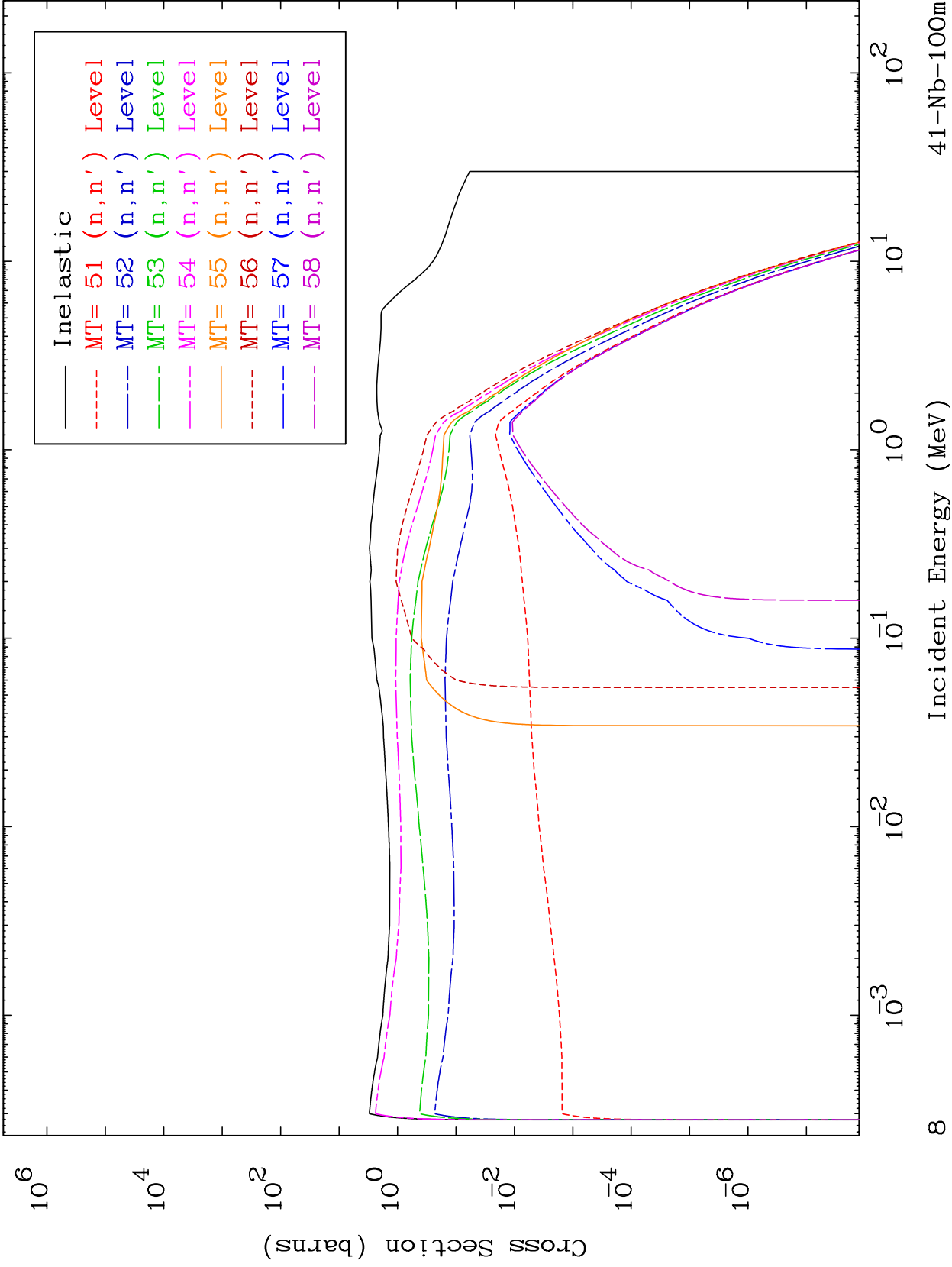


MAT 4147

(n,n') Levels

293 Kelvin Cross Sections

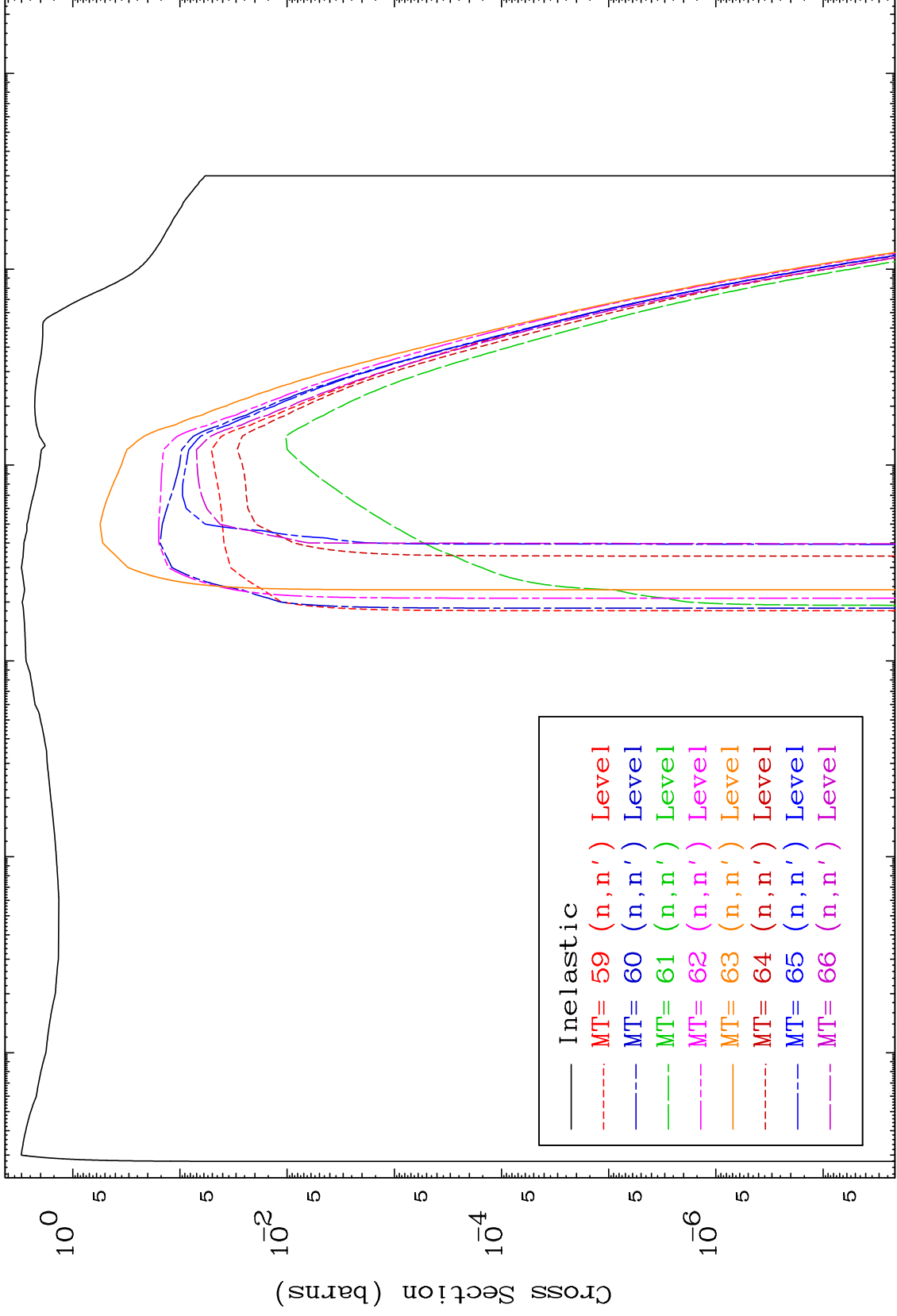
41-Nb-100m



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(n,n') Levels
293 Kelvin Cross Sections

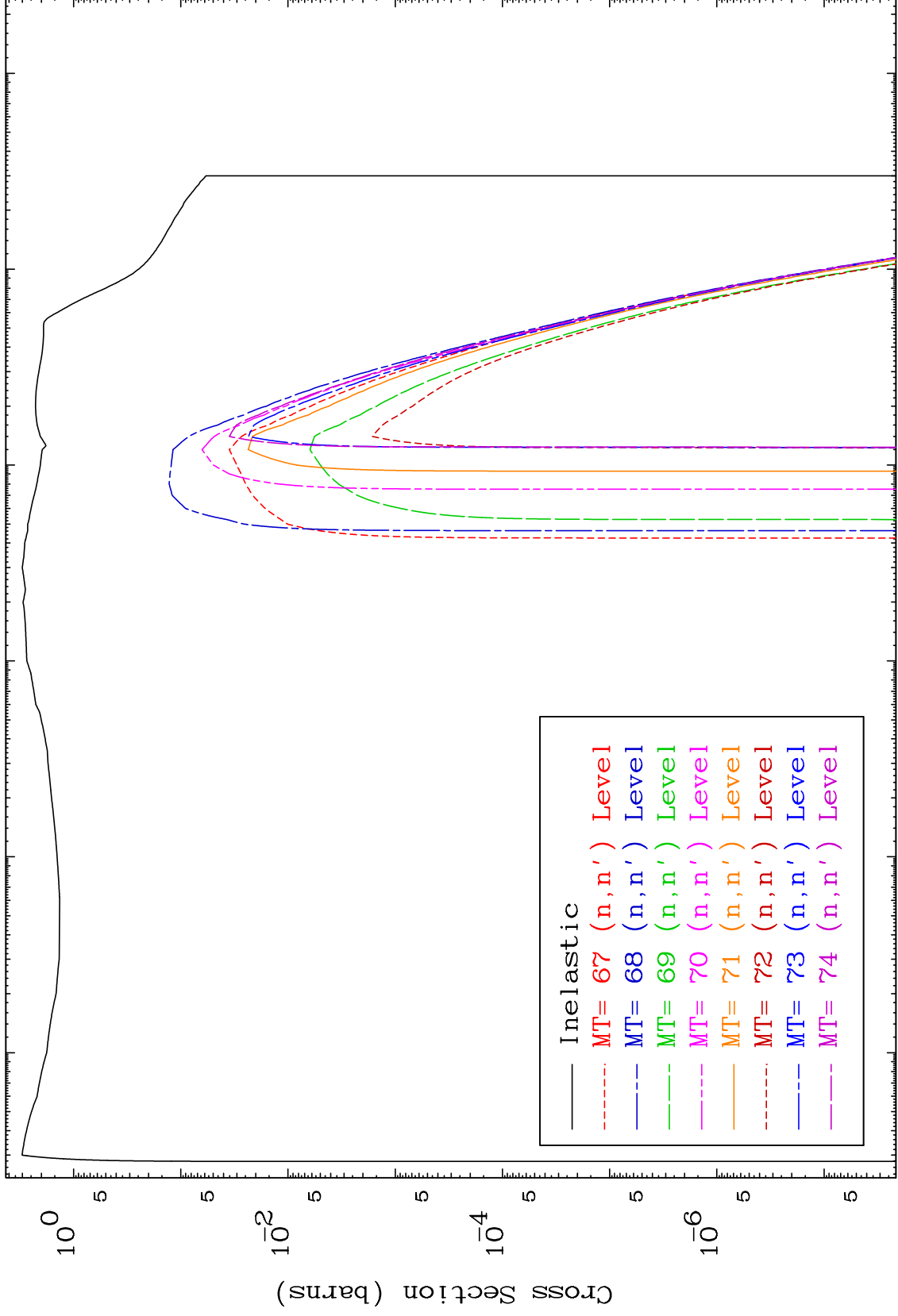
41-Nb-100m



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(n,n') Levels
293 Kelvin Cross Sections

41-Nb-100m



10

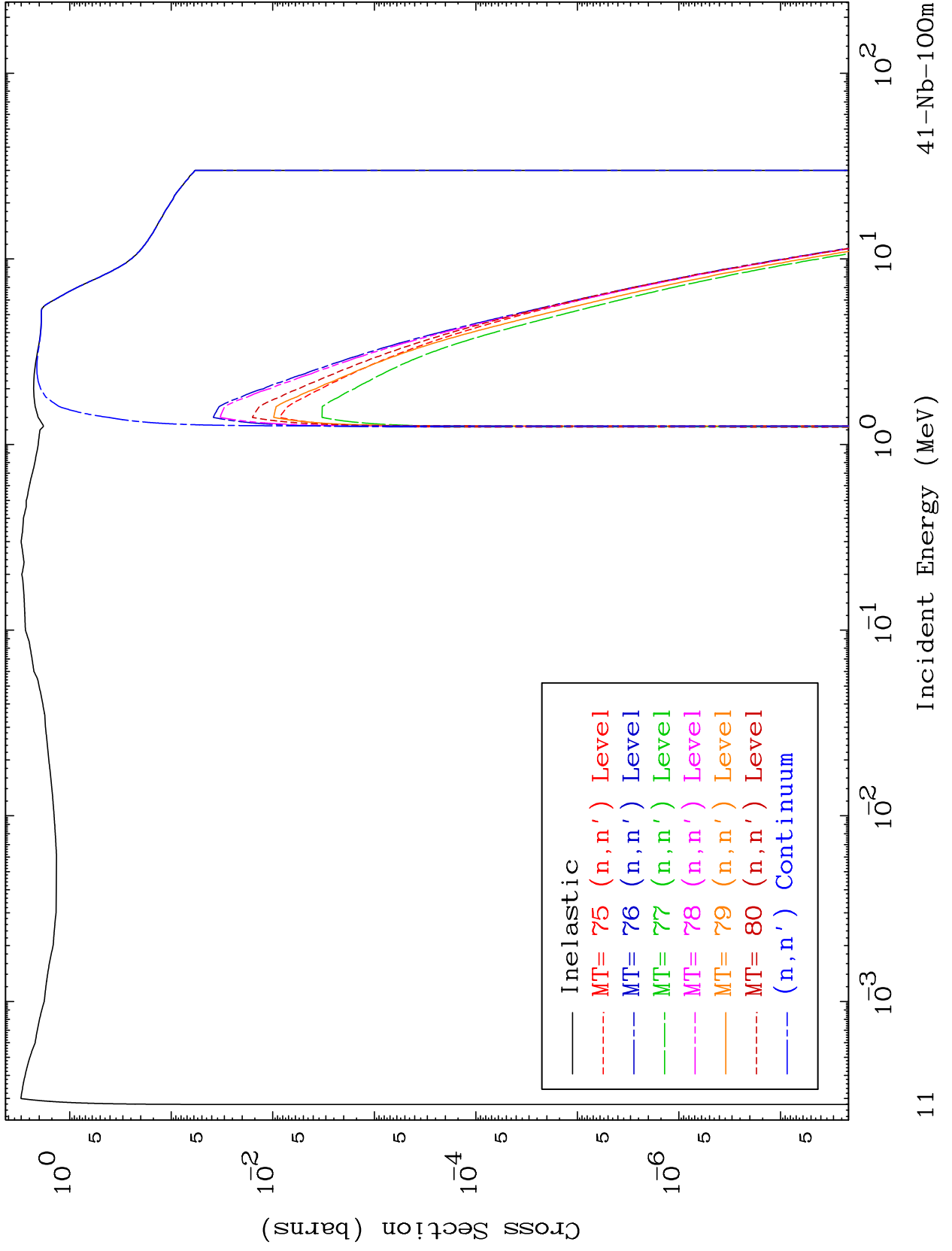
Incident Energy (MeV)

41-Nb-100m

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(n,n') Levels
293 Kelvin Cross Sections

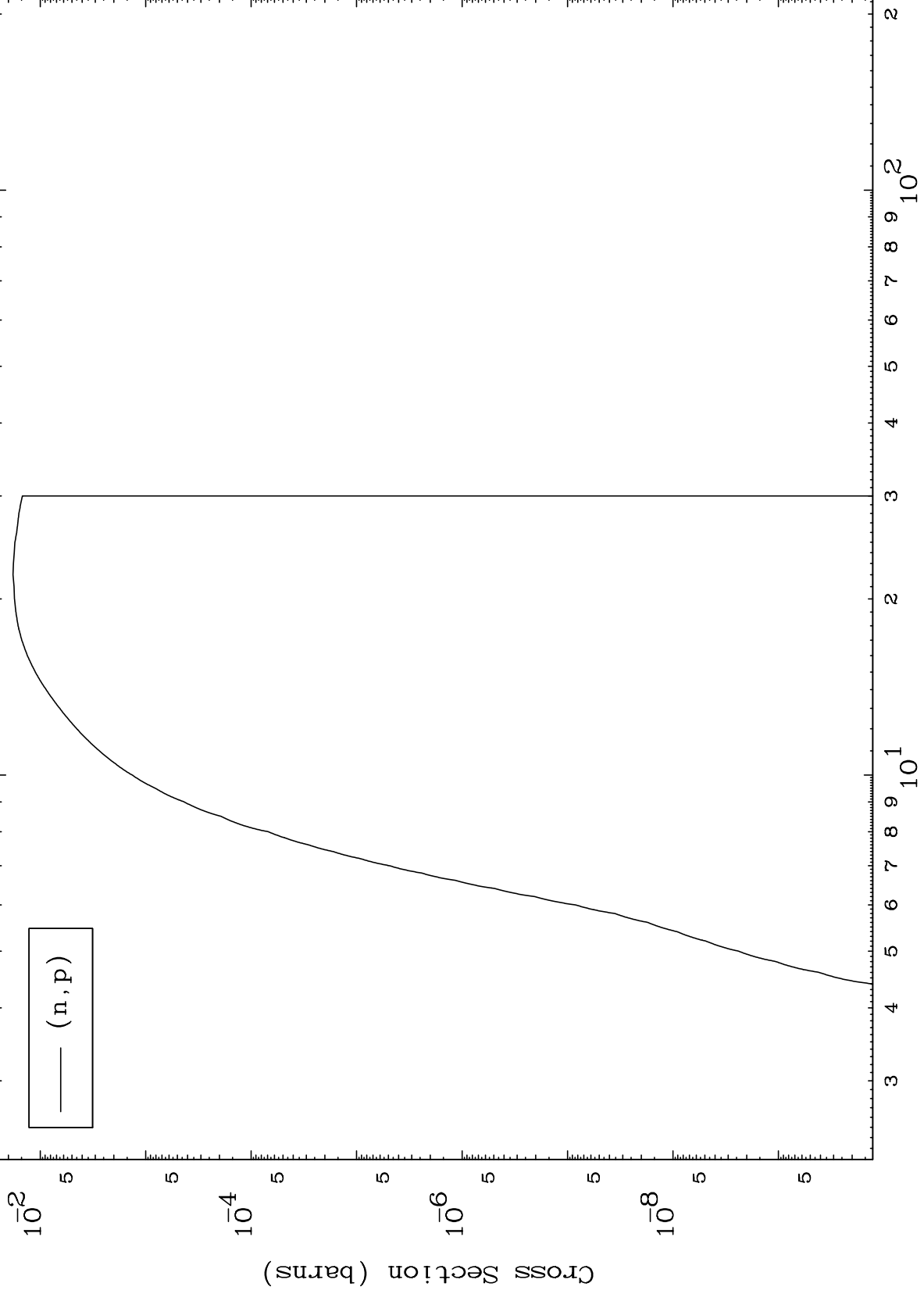
41-Nb-100m



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(n,p) Levels
293 Kelvin Cross Sections

41-Nb-100m



(n,p)

41-Nb-100m

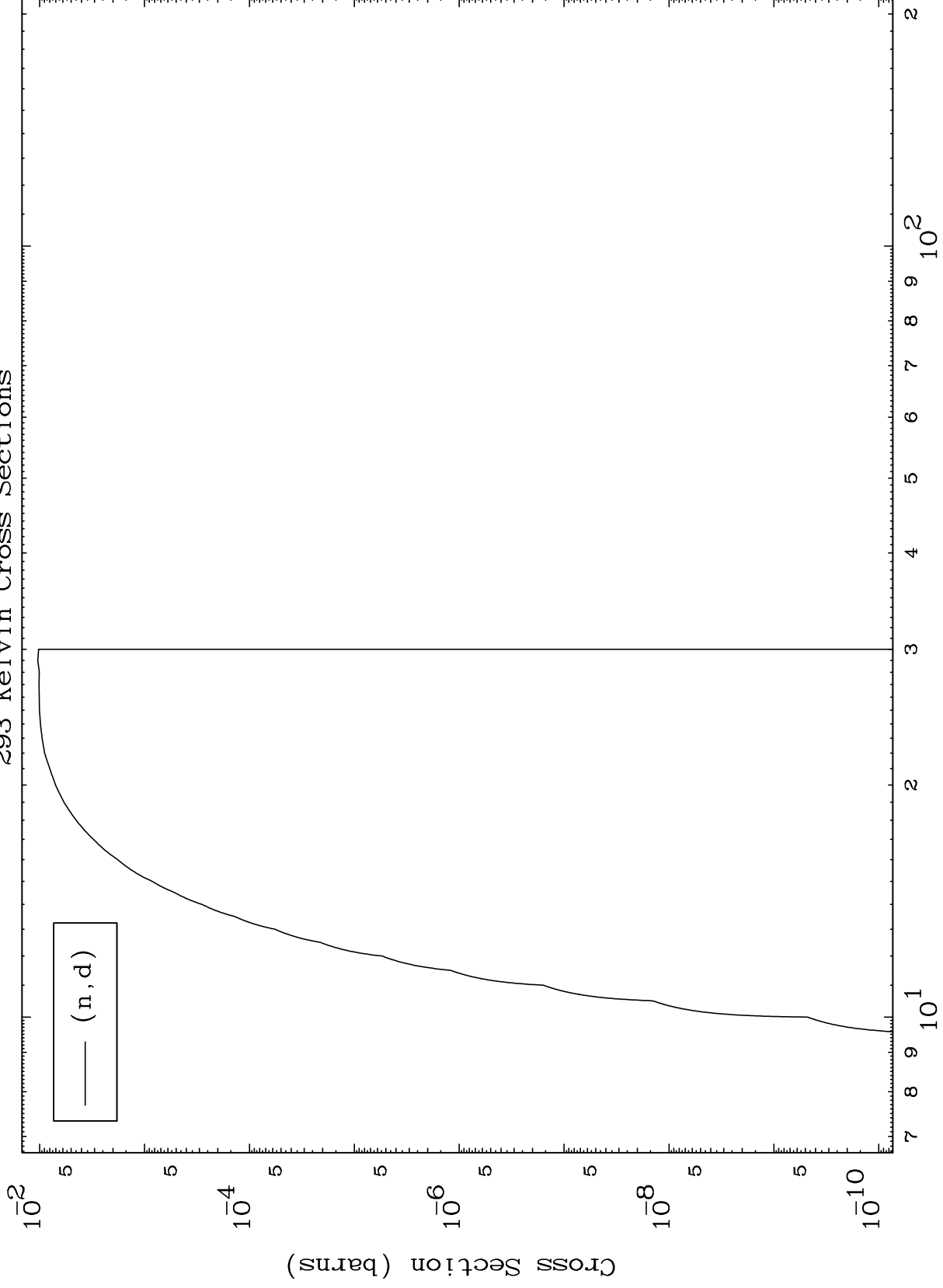
Incident Energy (MeV)

12

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(n,d) Levels
293 Kelvin Cross Sections

41-Nb-100m



13

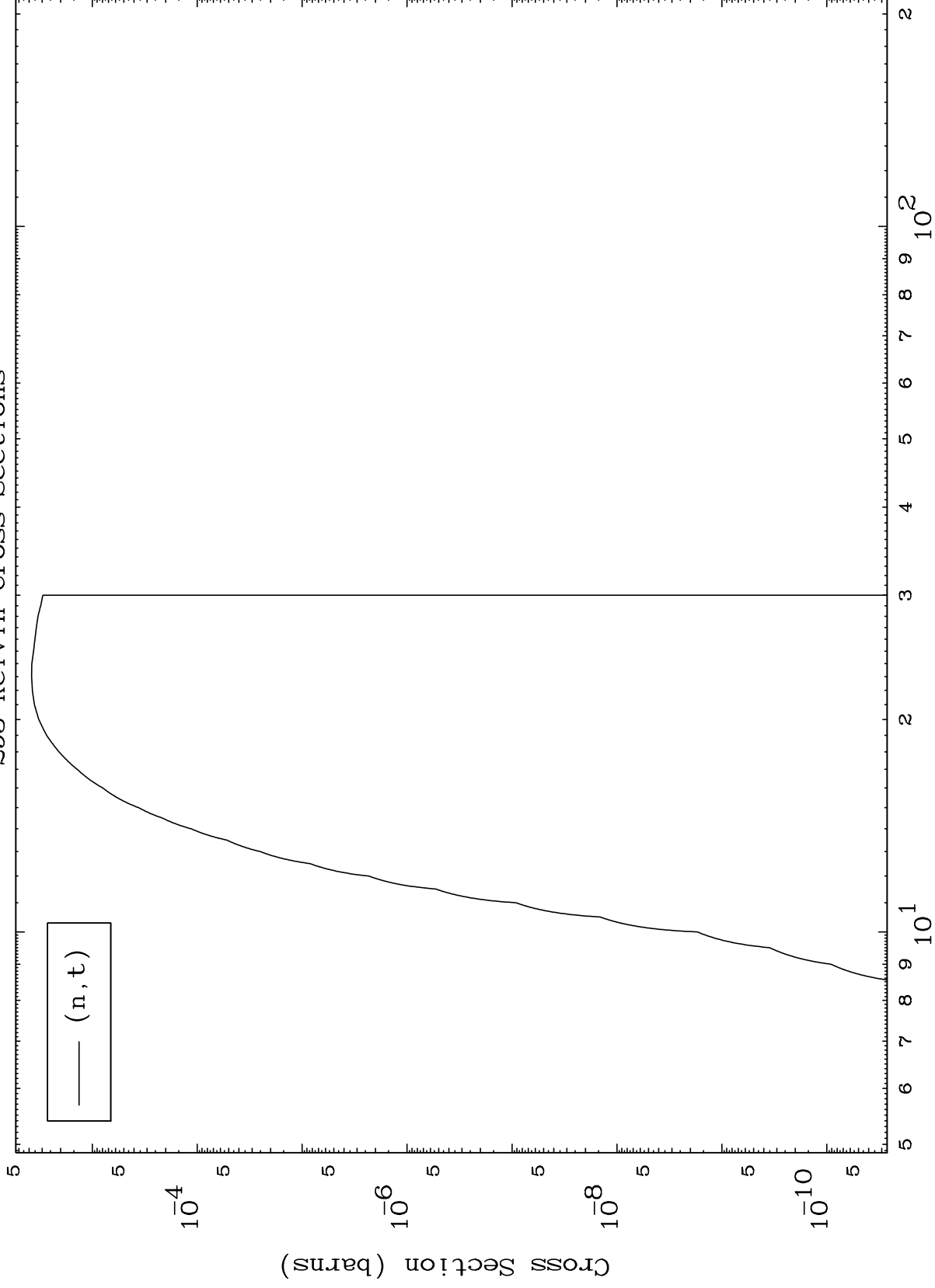
Incident Energy (MeV)

41-Nb-100m

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(n,t) Levels
293 Kelvin Cross Sections

41-Nb-100m



14

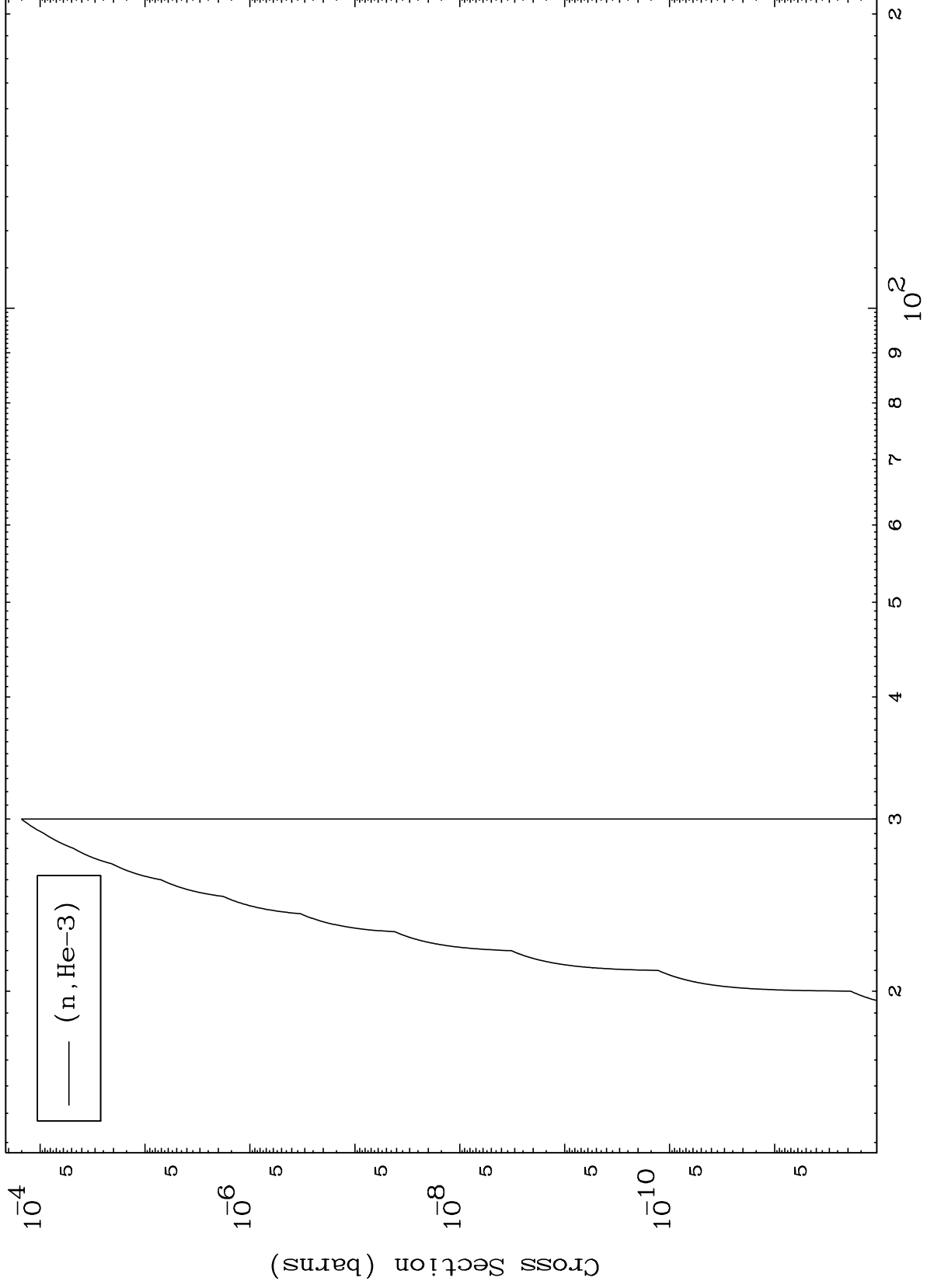
Incident Energy (MeV)

41-Nb-100m

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(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-100m



15

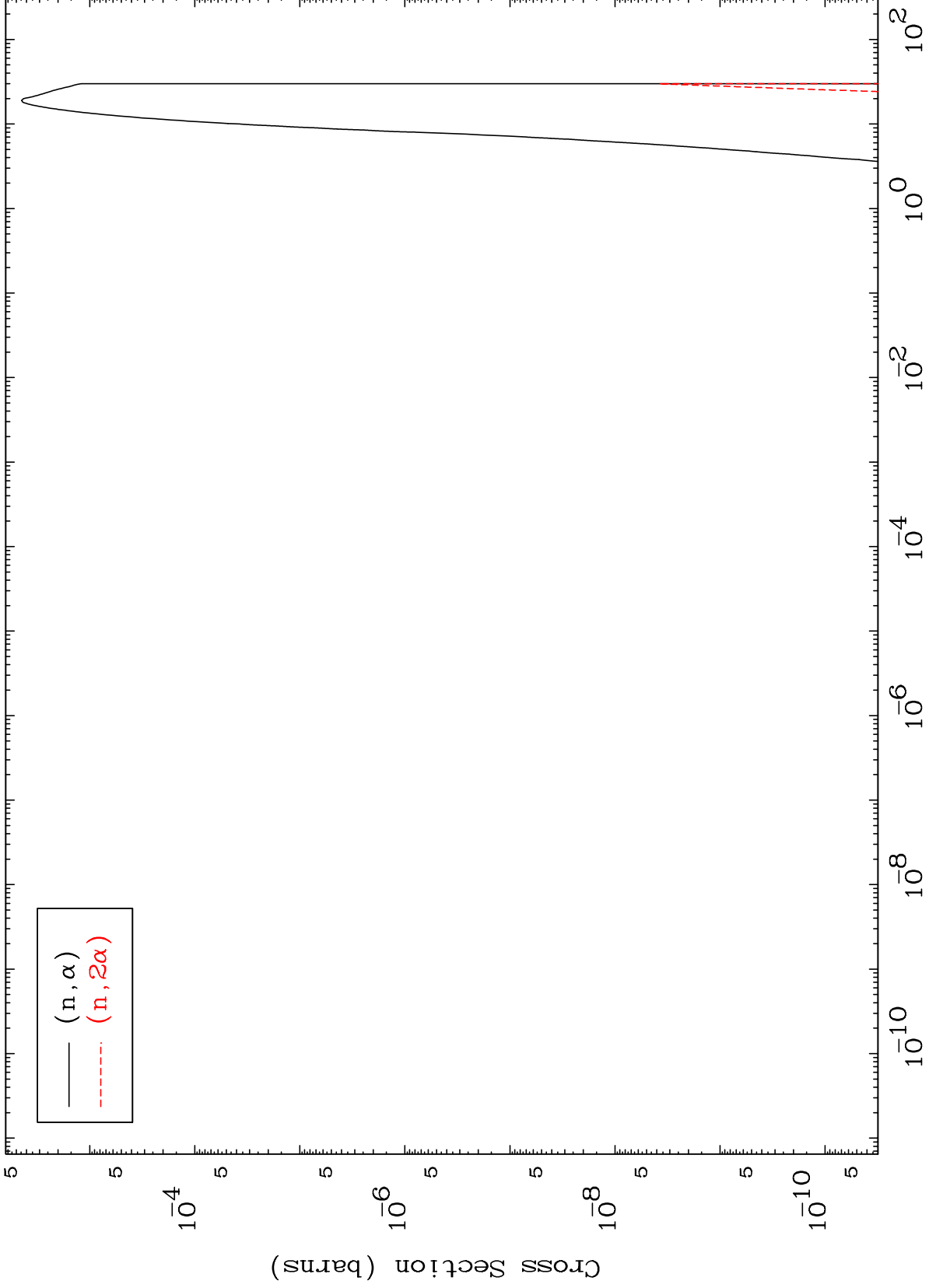
Incident Energy (MeV)

41-Nb-100m

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(n, α) Levels
293 Kelvin Cross Sections

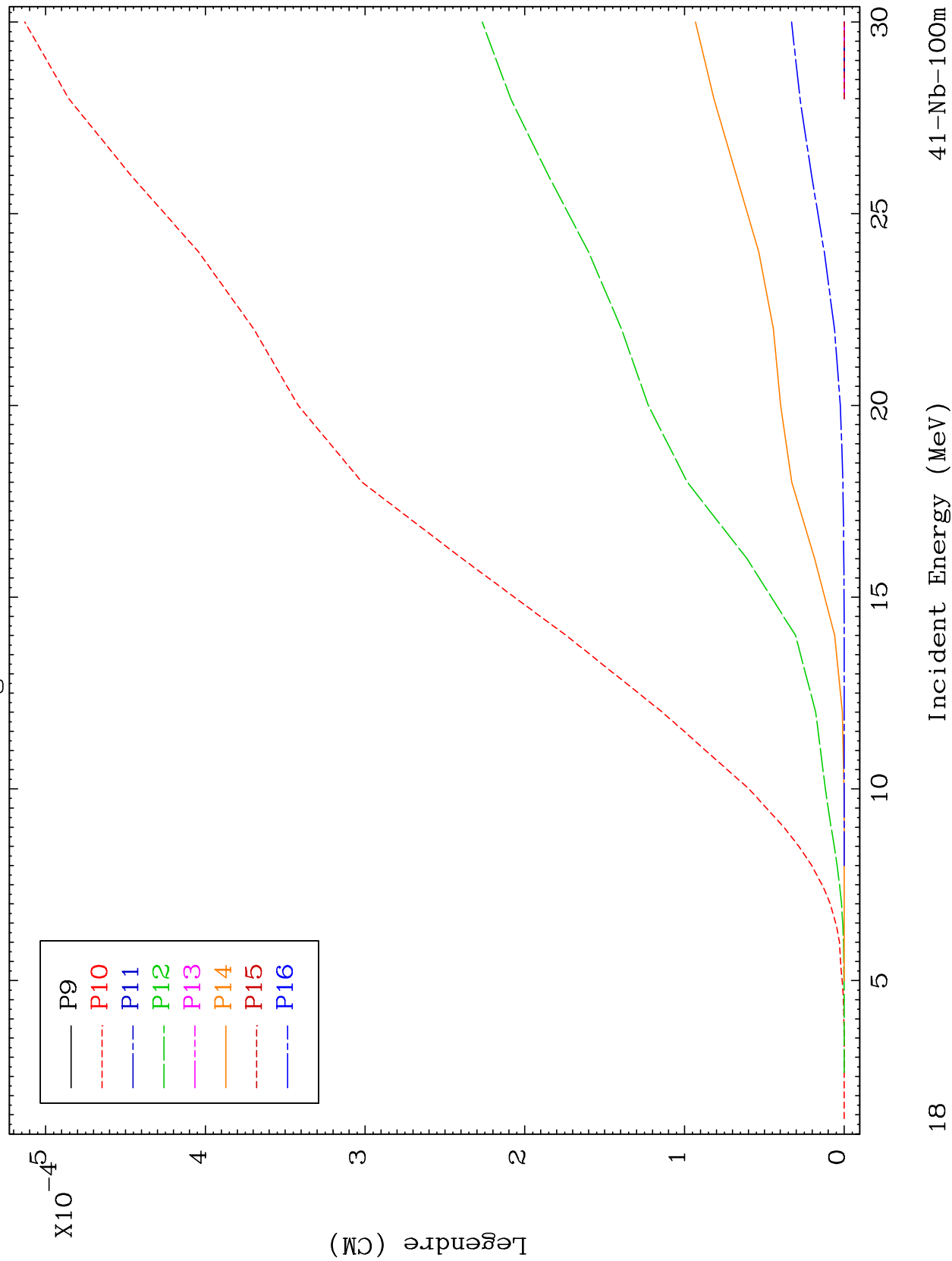
41-Nb-100m



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Elastic Legendre Coefficients

41-Nb-100m



18

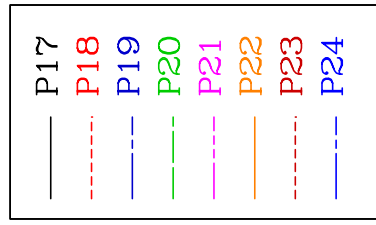
Incident Energy (MeV)

41-Nb-100m

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Elastic
Legendre Coefficients

41-Nb-100m



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

10

15

20

25

30

Incident Energy (MeV)

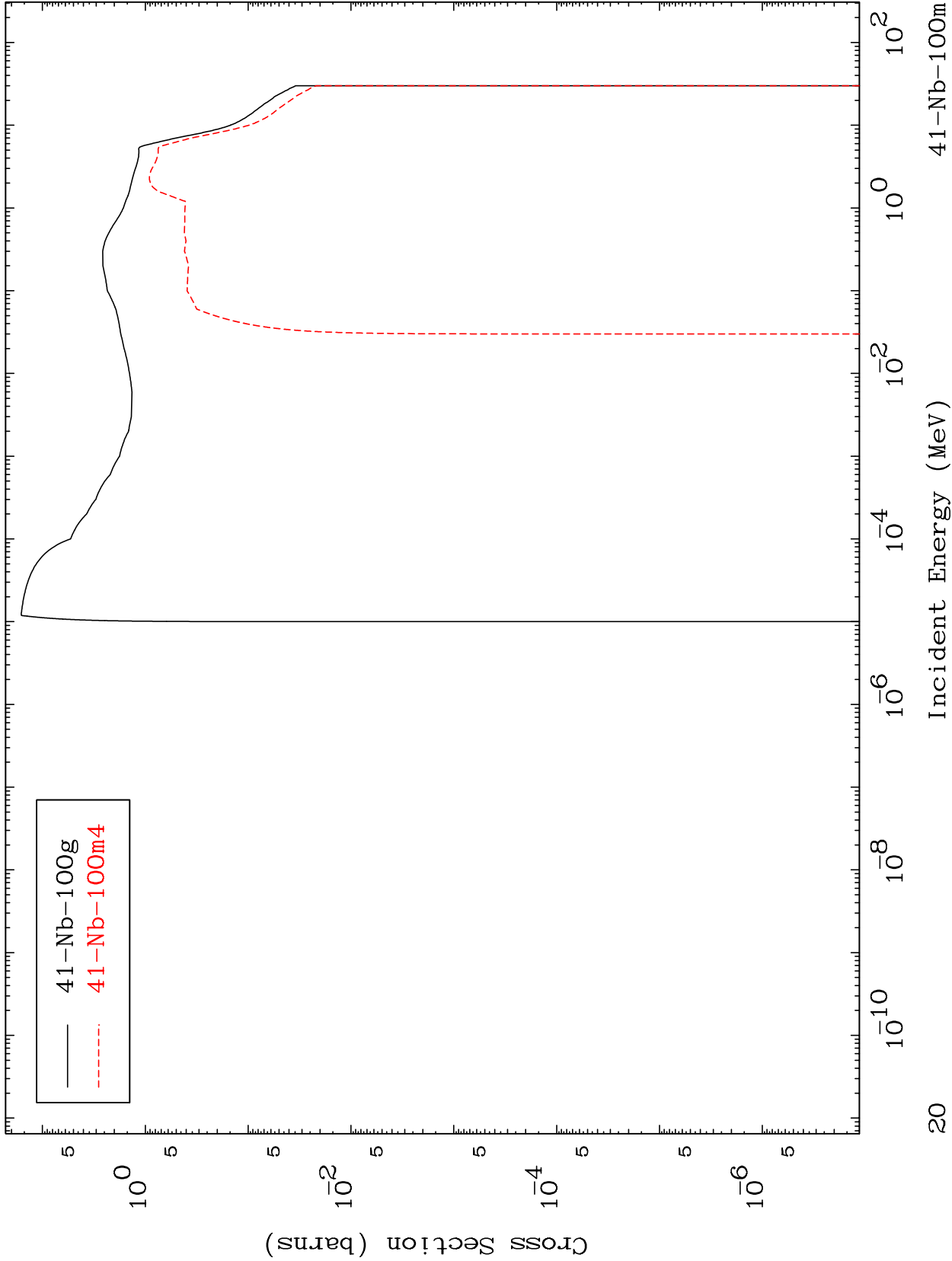
41-Nb-100m



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Radionuclide Production Cross Section

41-Nb-100m

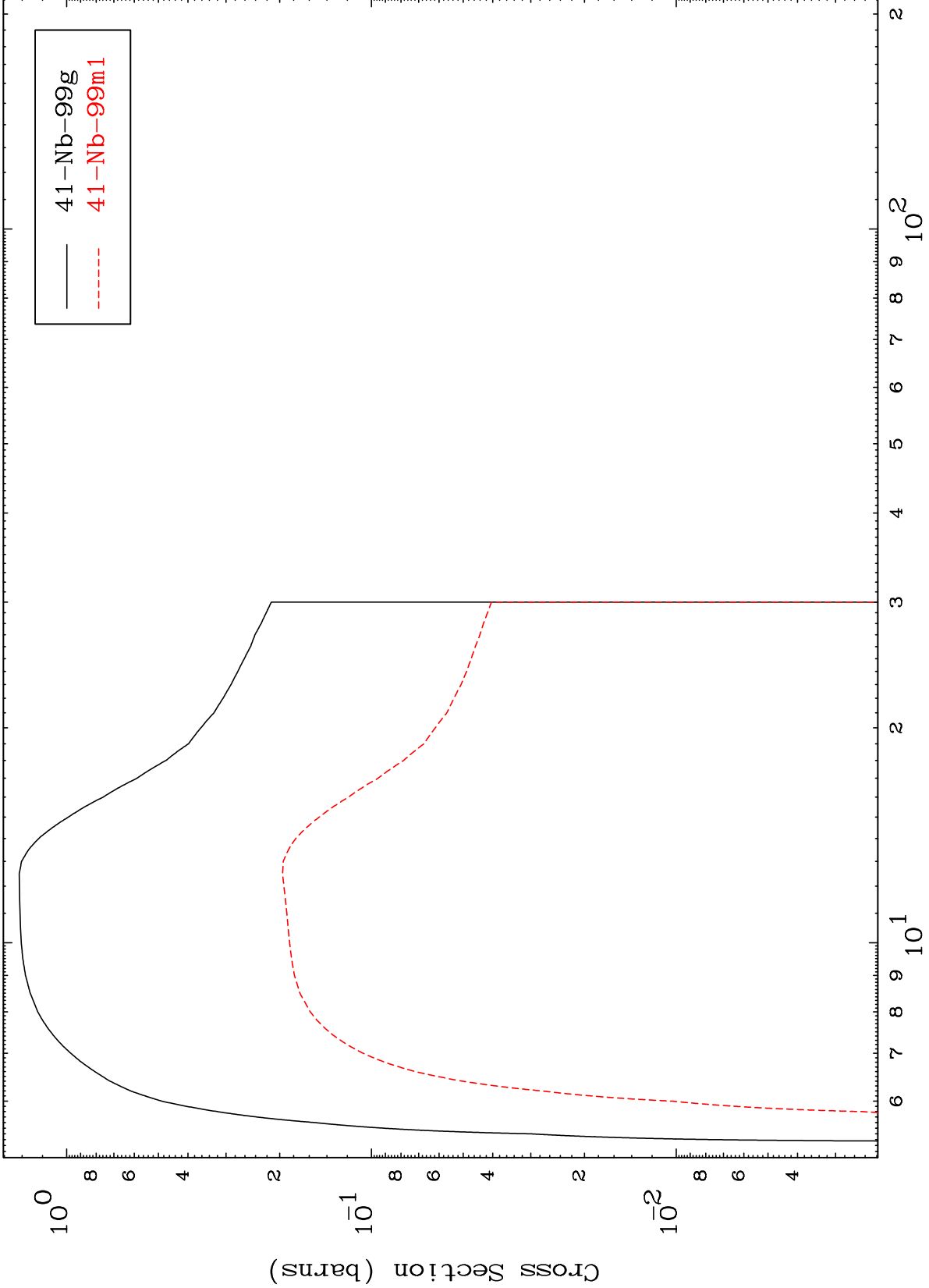


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(n,2n)

41-Nb-100m

Radionuclide Production Cross Section



21

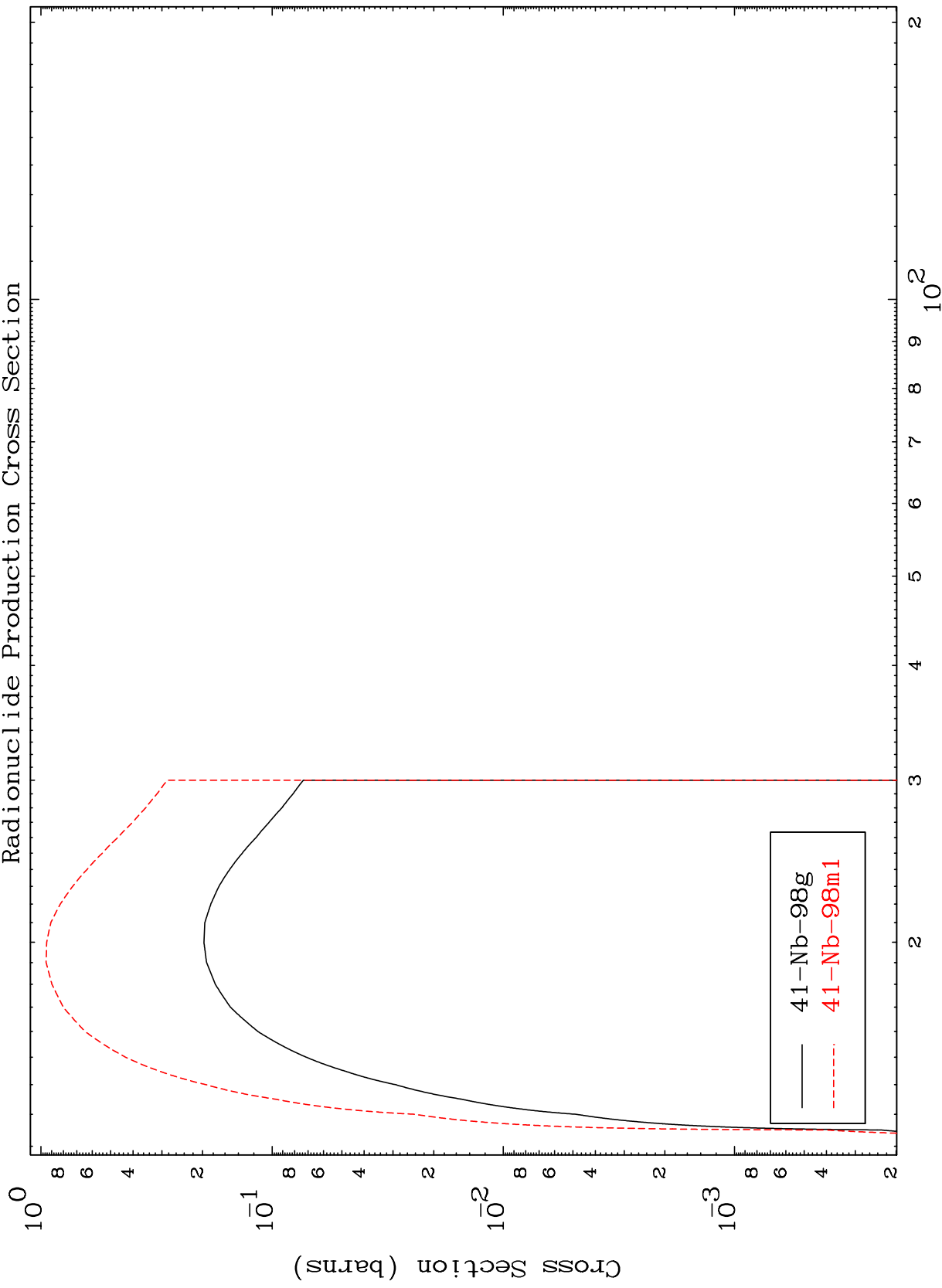
Incident Energy (MeV)

41-Nb-100m

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41-Nb-100m

(n,3n)
Radionuclide Production Cross Section



41-Nb-100m

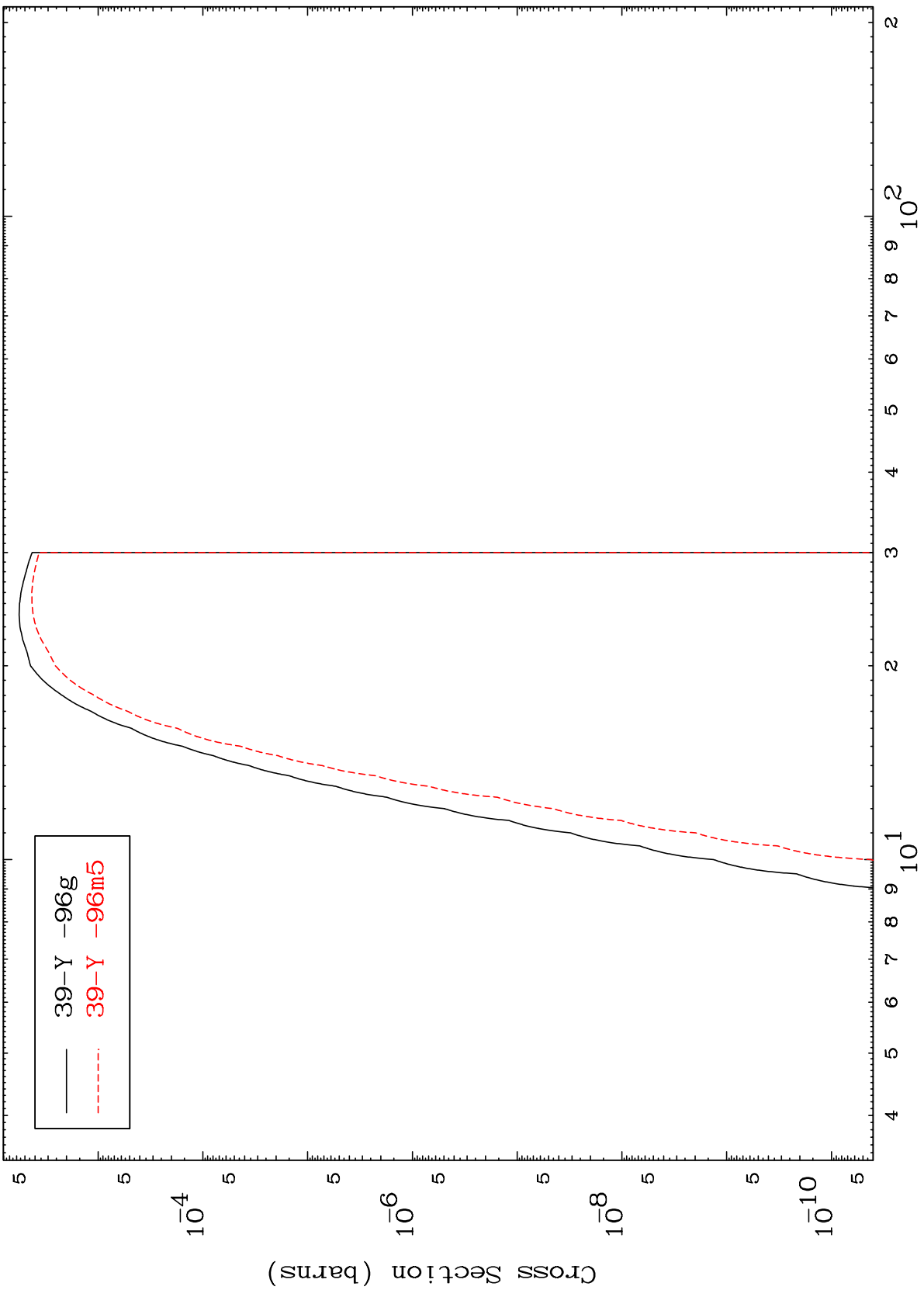
Incident Energy (MeV)

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(n,n') α

41-Nb-100m

Radionuclide Production Cross Section

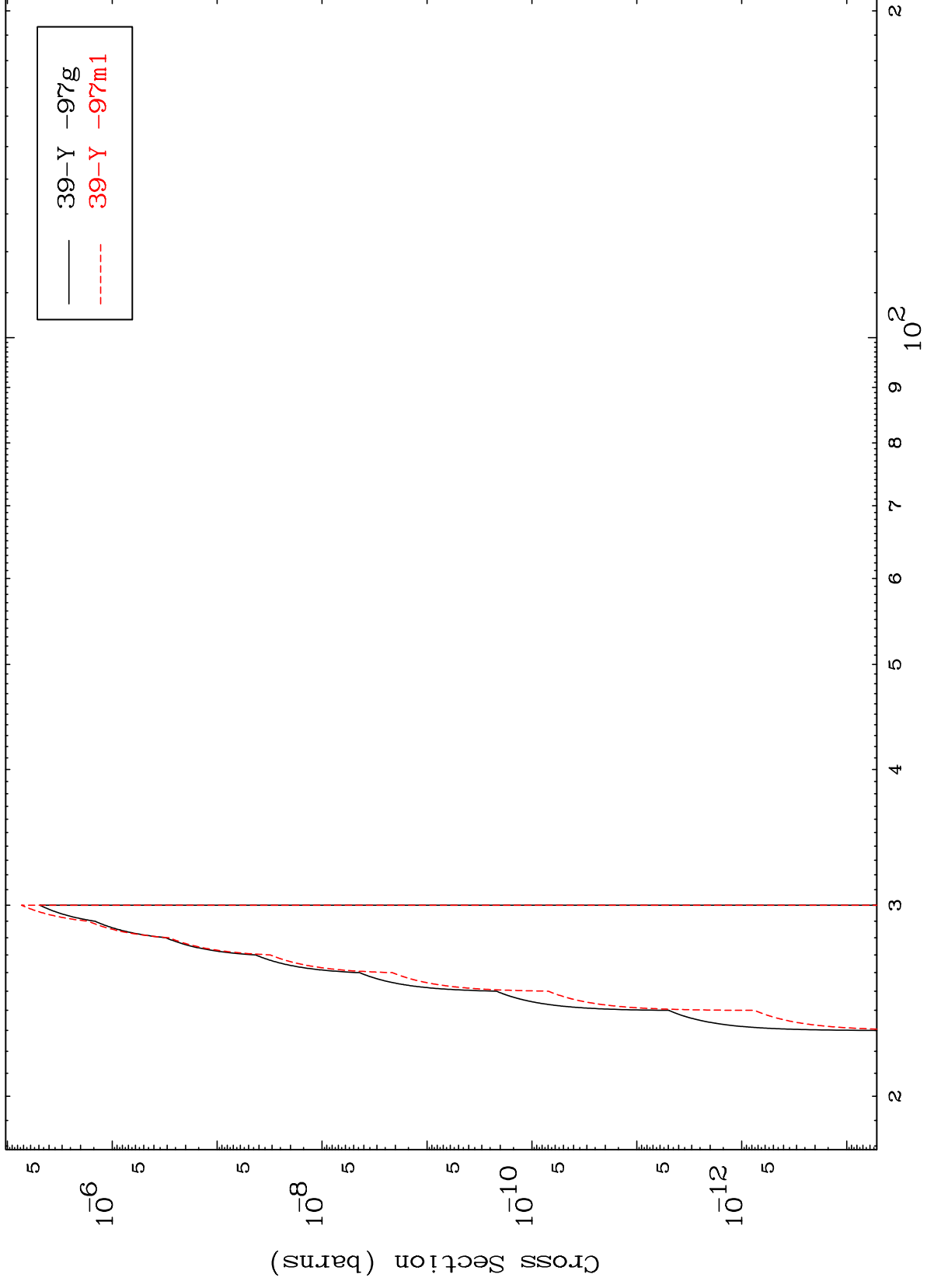


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(n,n') He-3

41-Nb-100m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

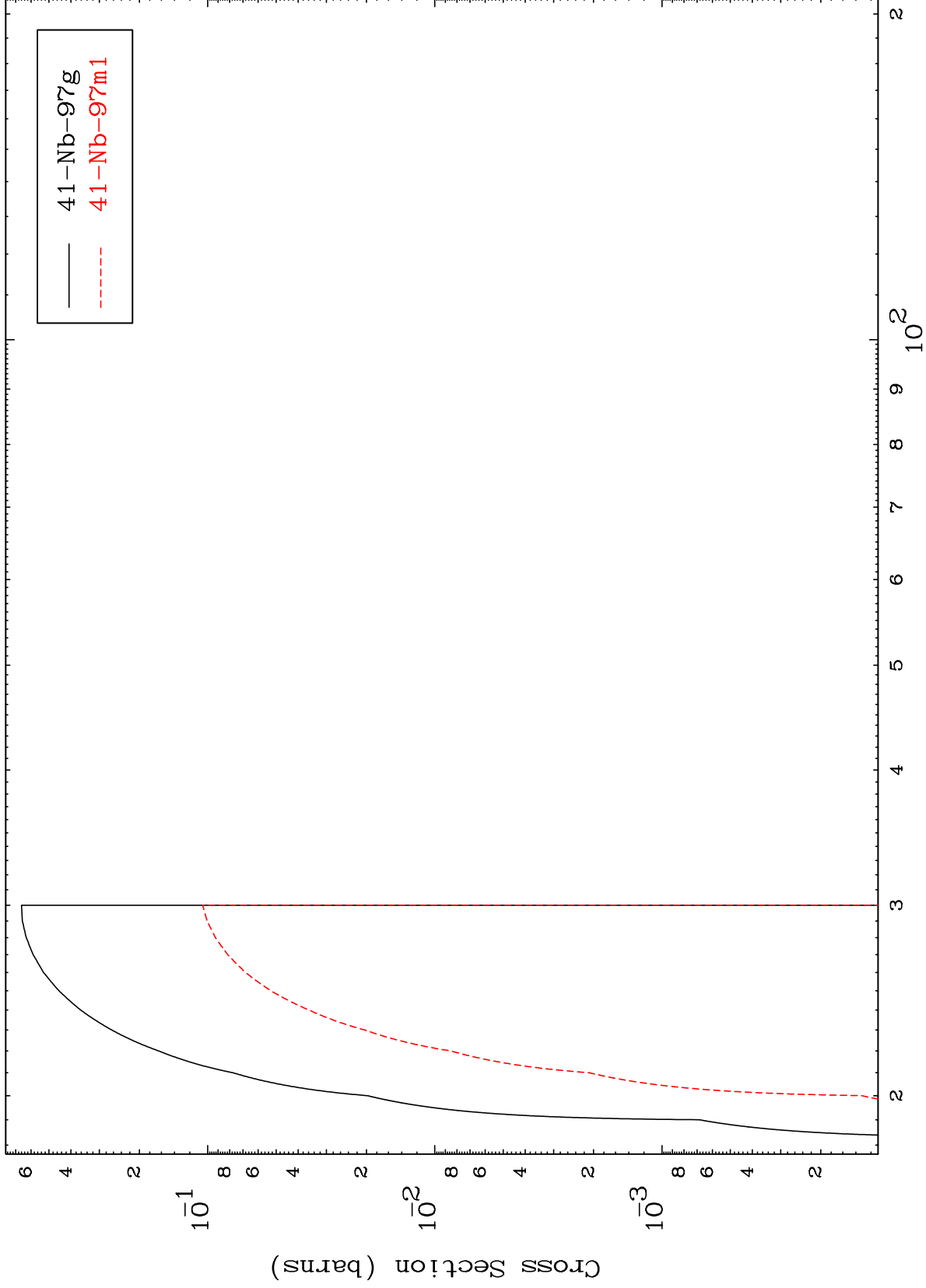
41-Nb-100m

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(n,4n)

41-Nb-100m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

41-Nb-100m

MAT 4147

41-Nb-100m

Radionuclide Production Cross Section (n, α)

