

Program EVALPLOT
(Version 2021-1)

by

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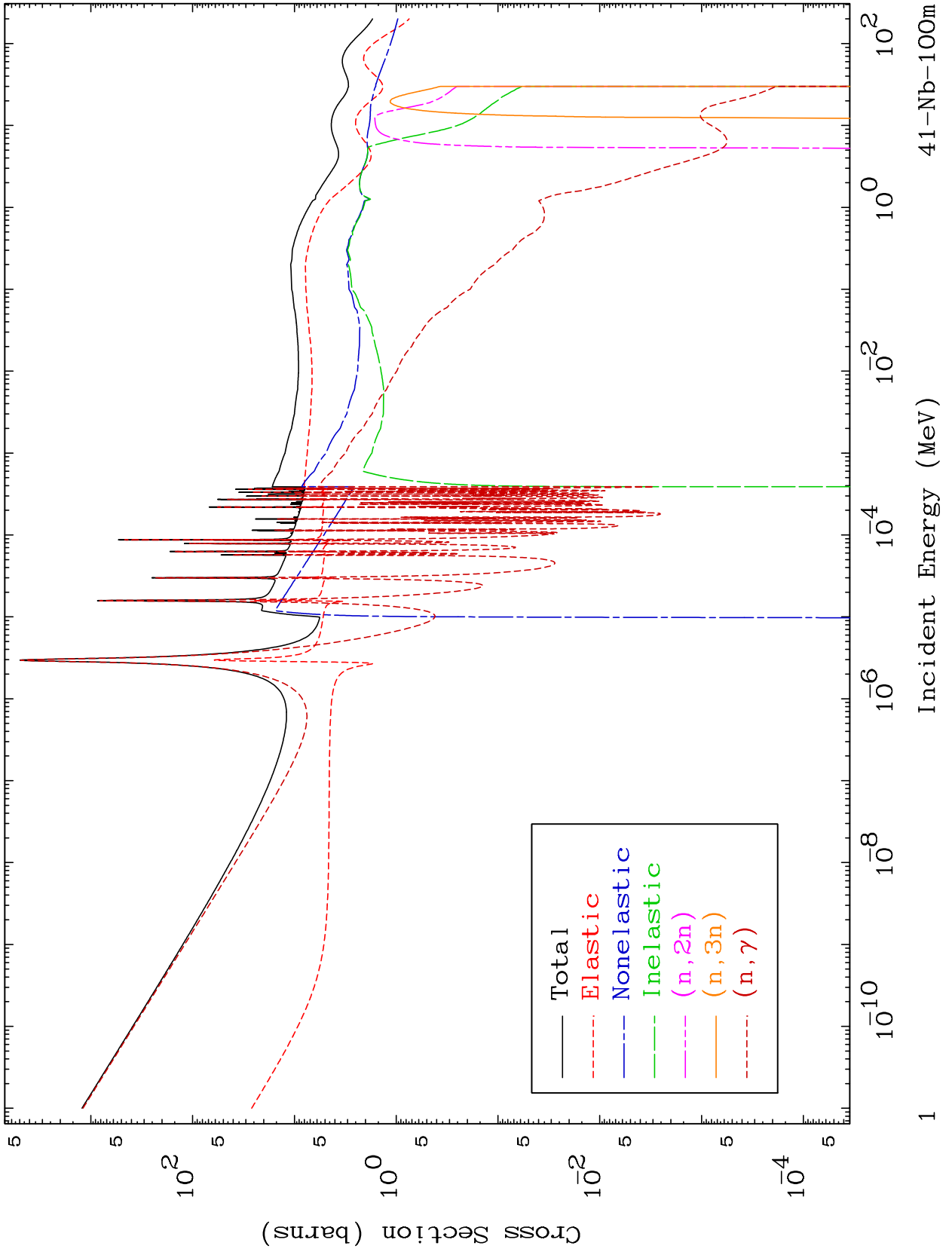
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4147

Neutron Major
293 Kelvin Cross Sections

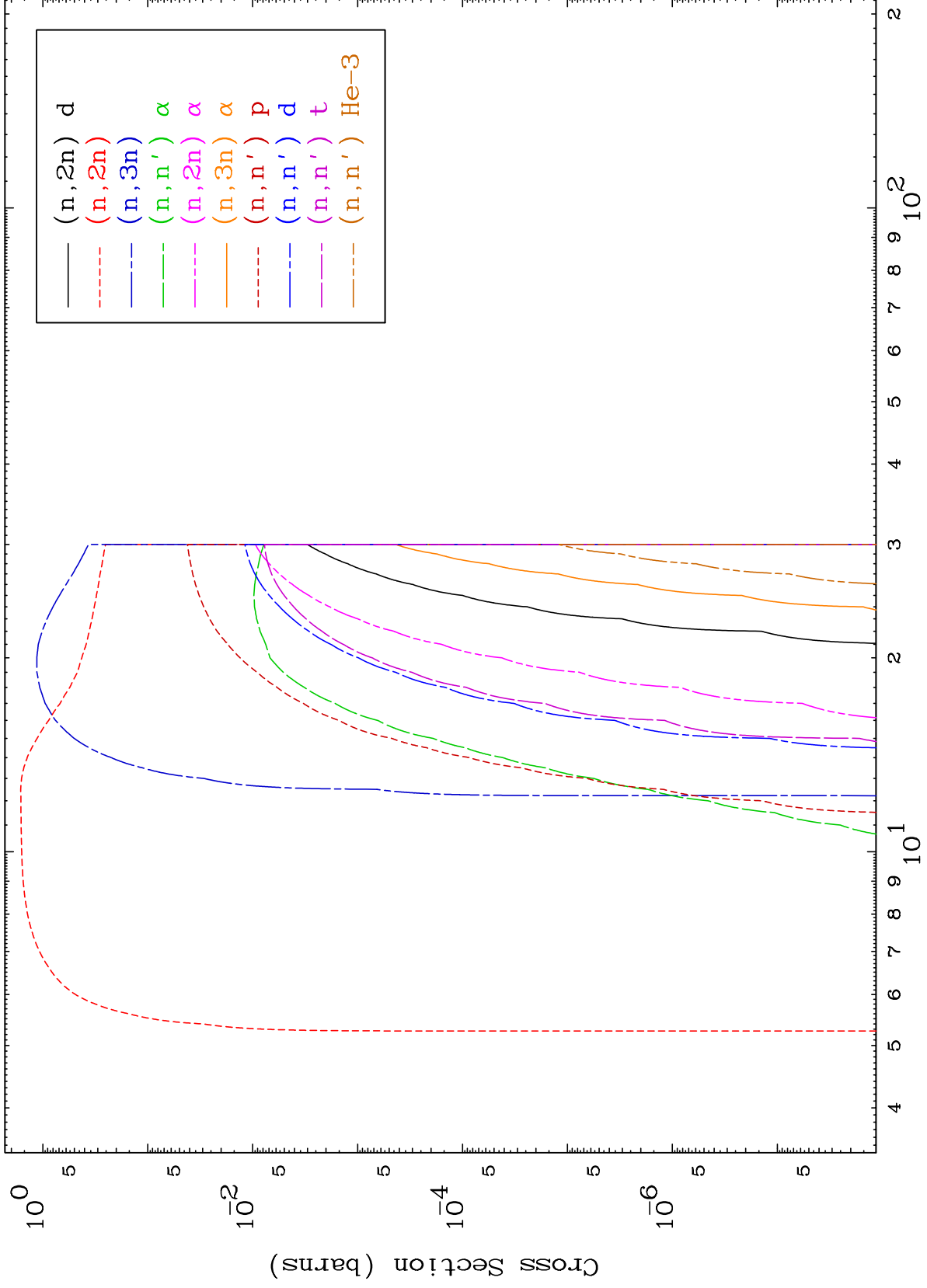
41-Nb-100m



MAT 4147

Neutron Absorption
293 Kelvin Cross Sections

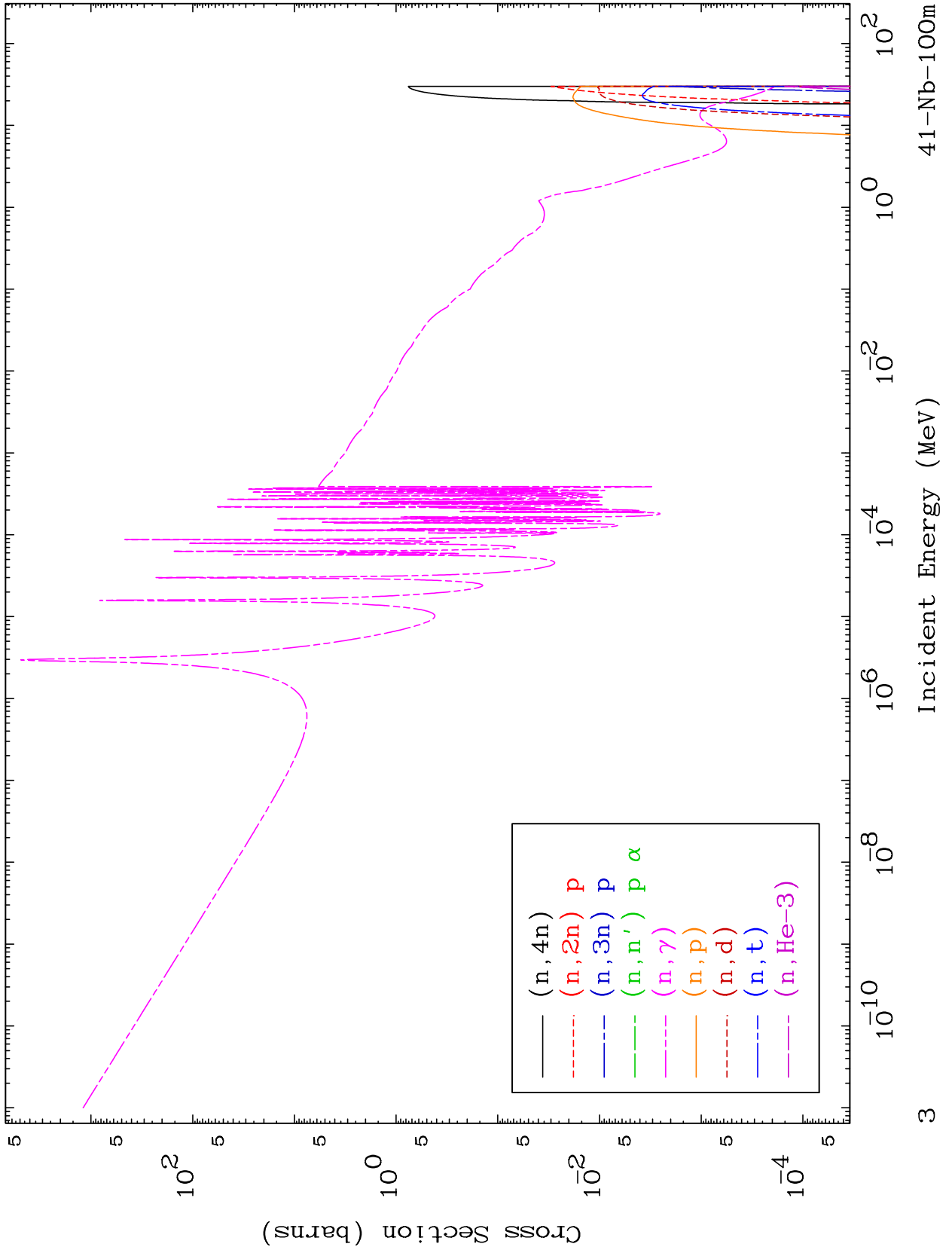
41-Nb-100m



MAT 4147

Neutron Absorption
293 Kelvin Cross Sections

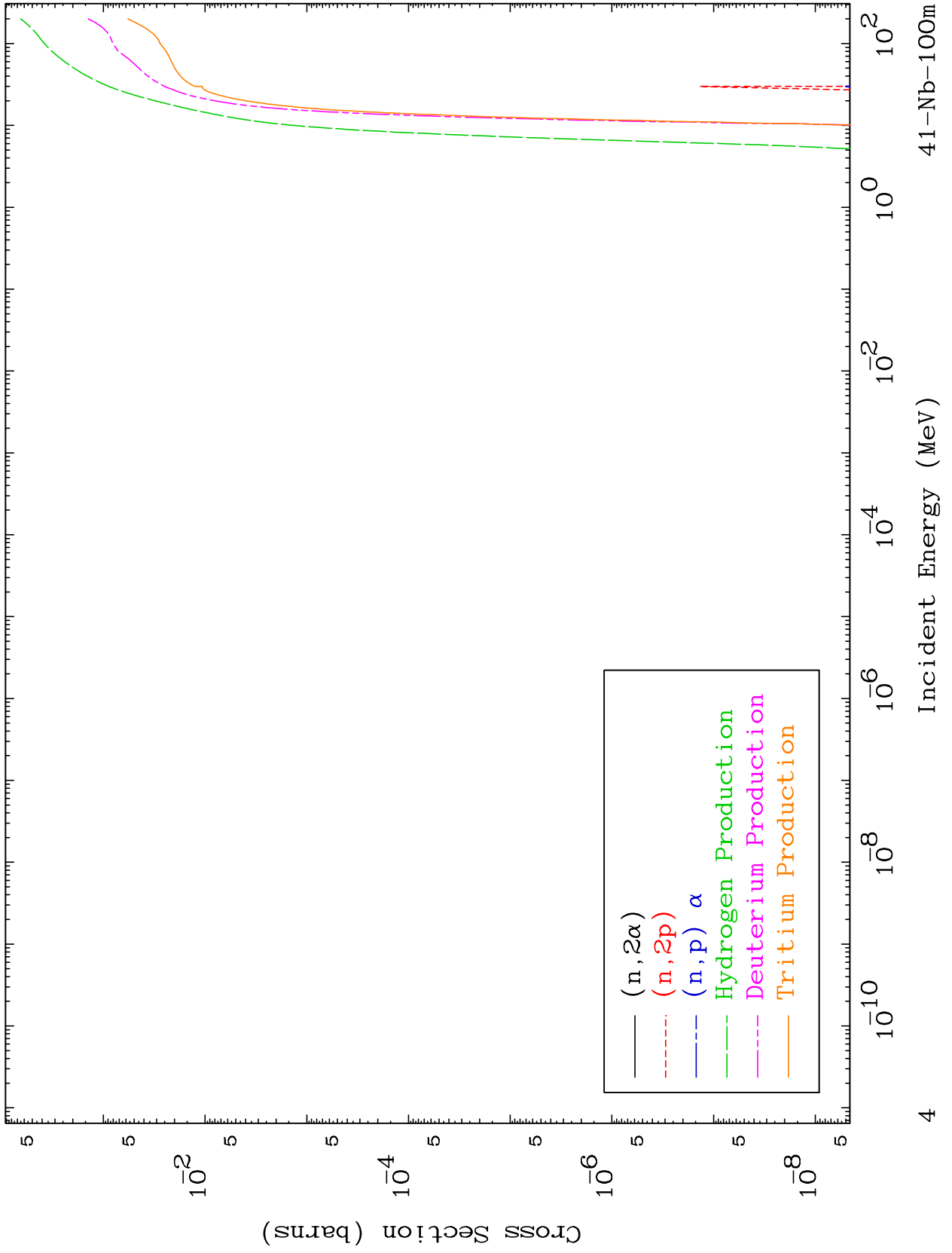
41-Nb-100m



MAT 4147

Neutron Absorption
293 Kelvin Cross Sections

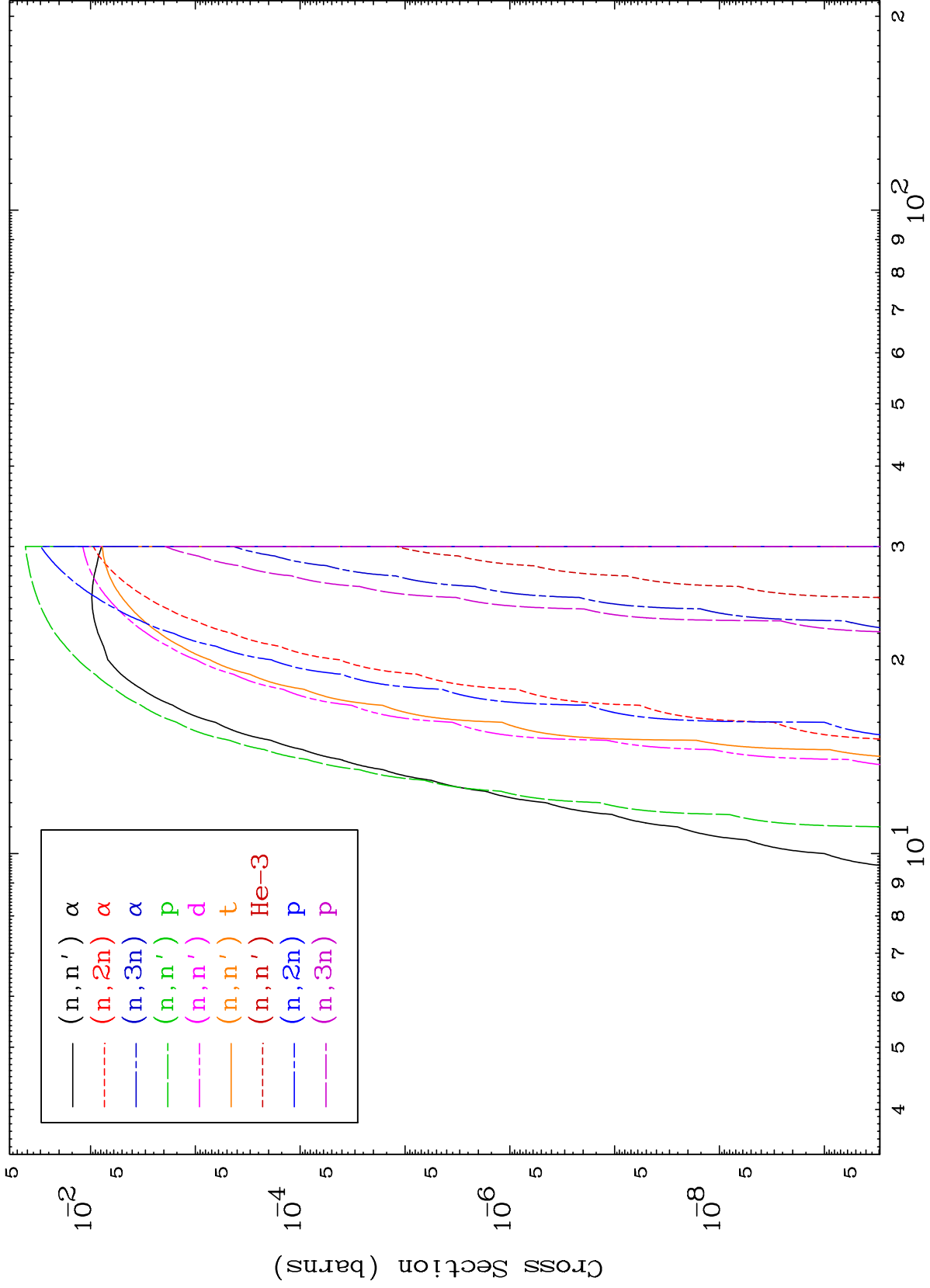
41-Nb-100m



MAT 4147

Charged Particle
293 Kelvin Cross Sections

41-Nb-100m



5

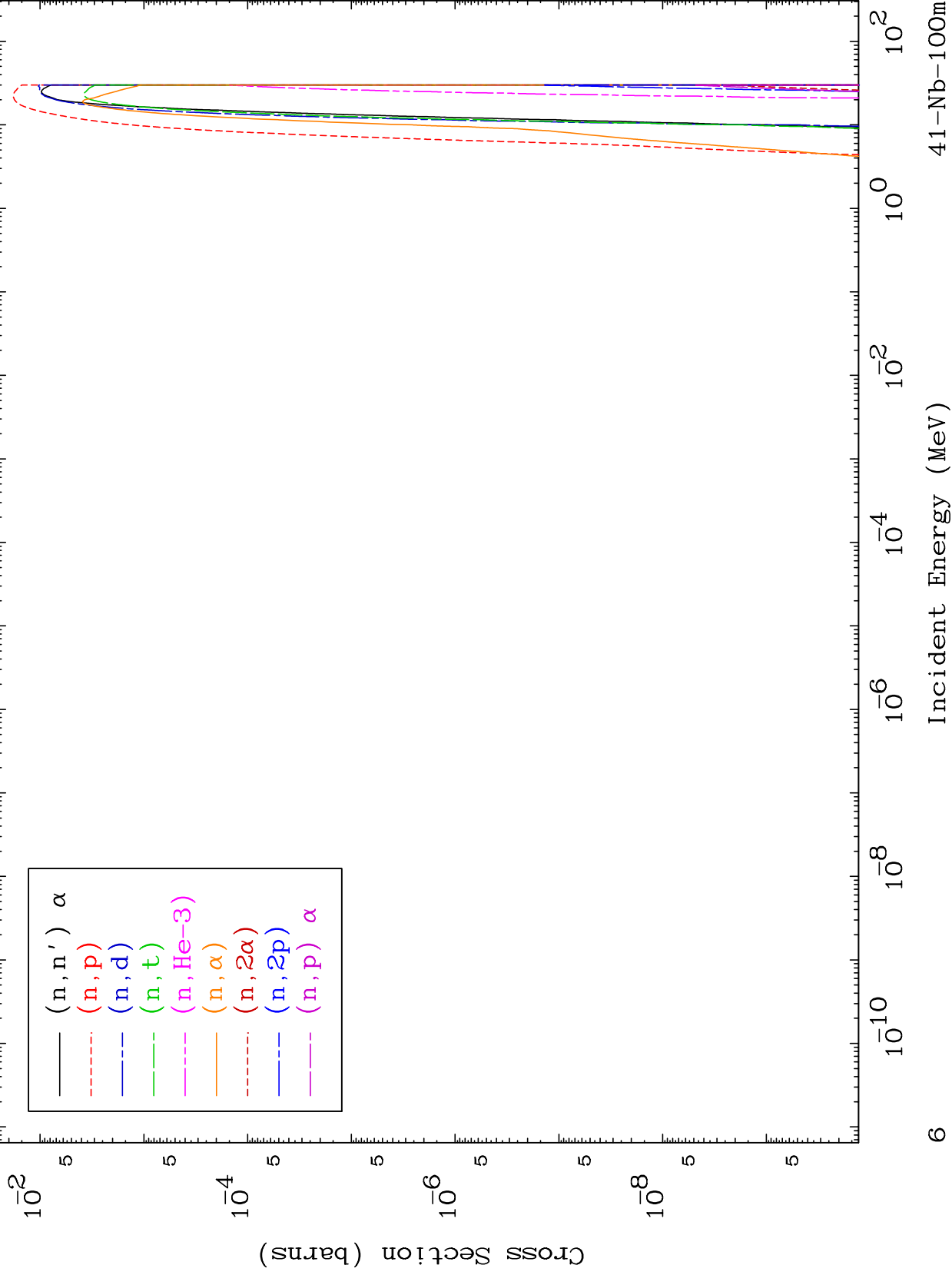
Incident Energy (MeV)

41-Nb-100m

MAT 4147

Charged Particle
293 Kelvin Cross Sections

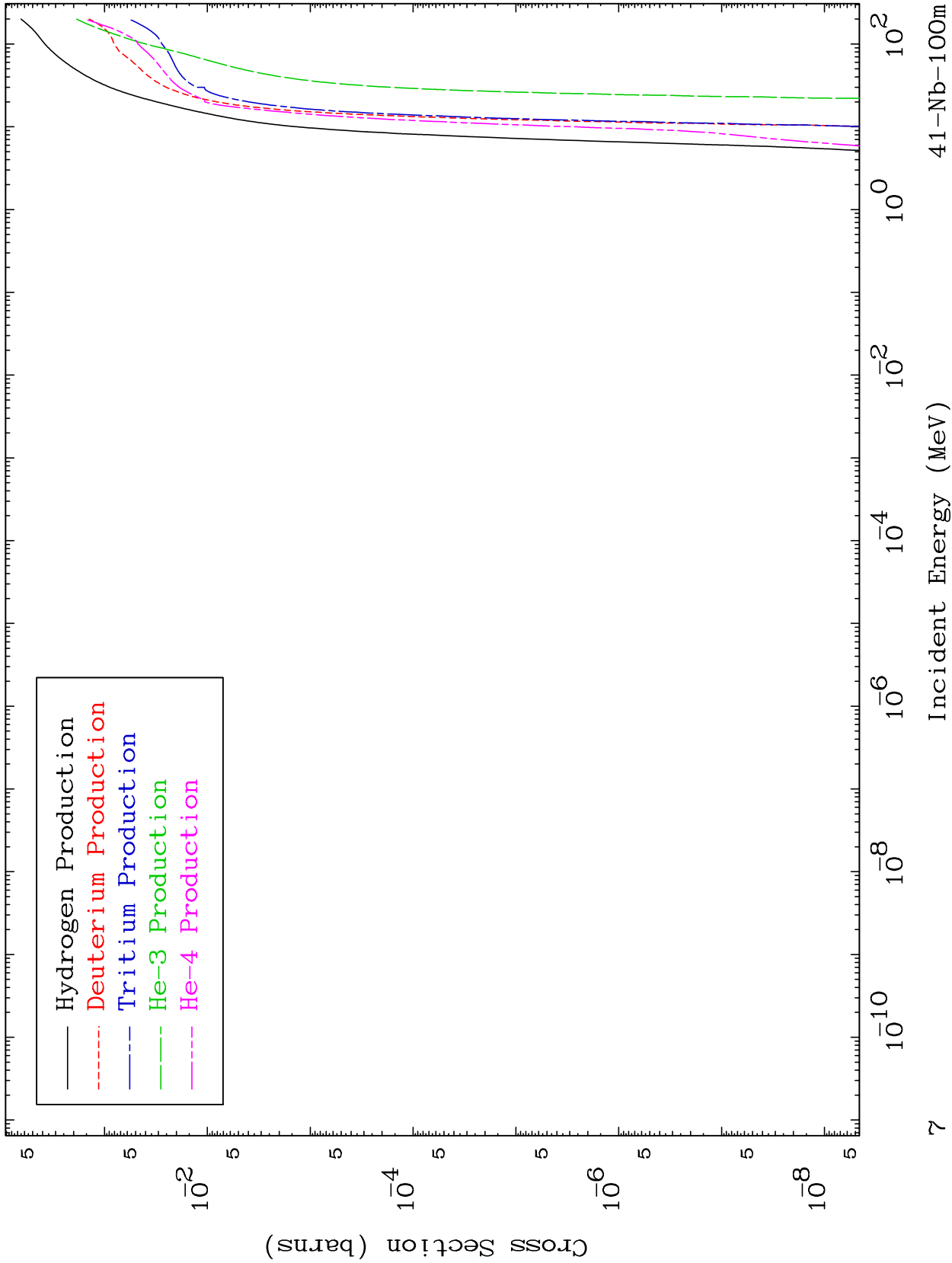
41-Nb-100m



MAT 4147

Particle Production
293 Kelvin Cross Sections

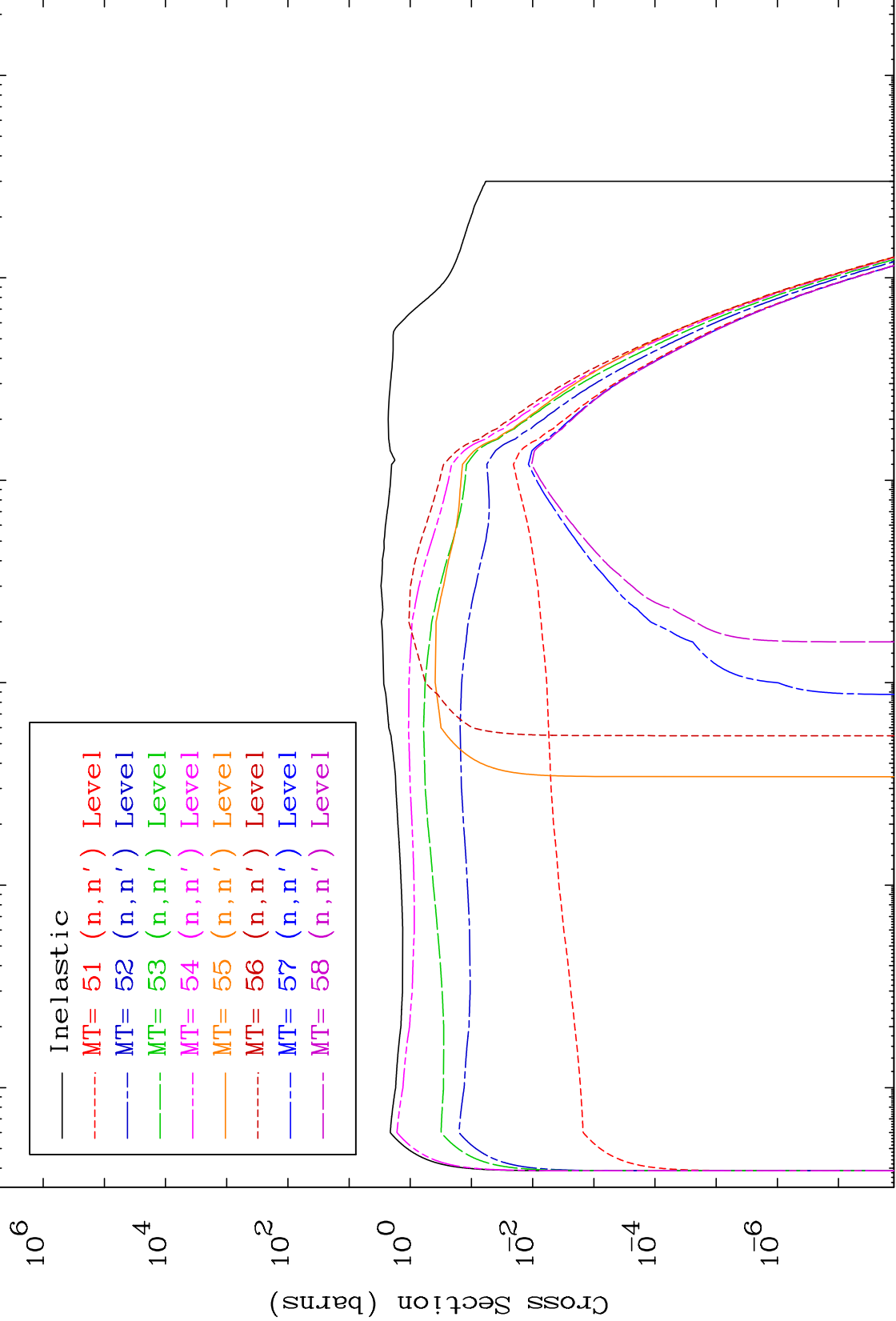
41-Nb-100m



MAT 4147

(n,n') Levels
293 Kelvin Cross Sections

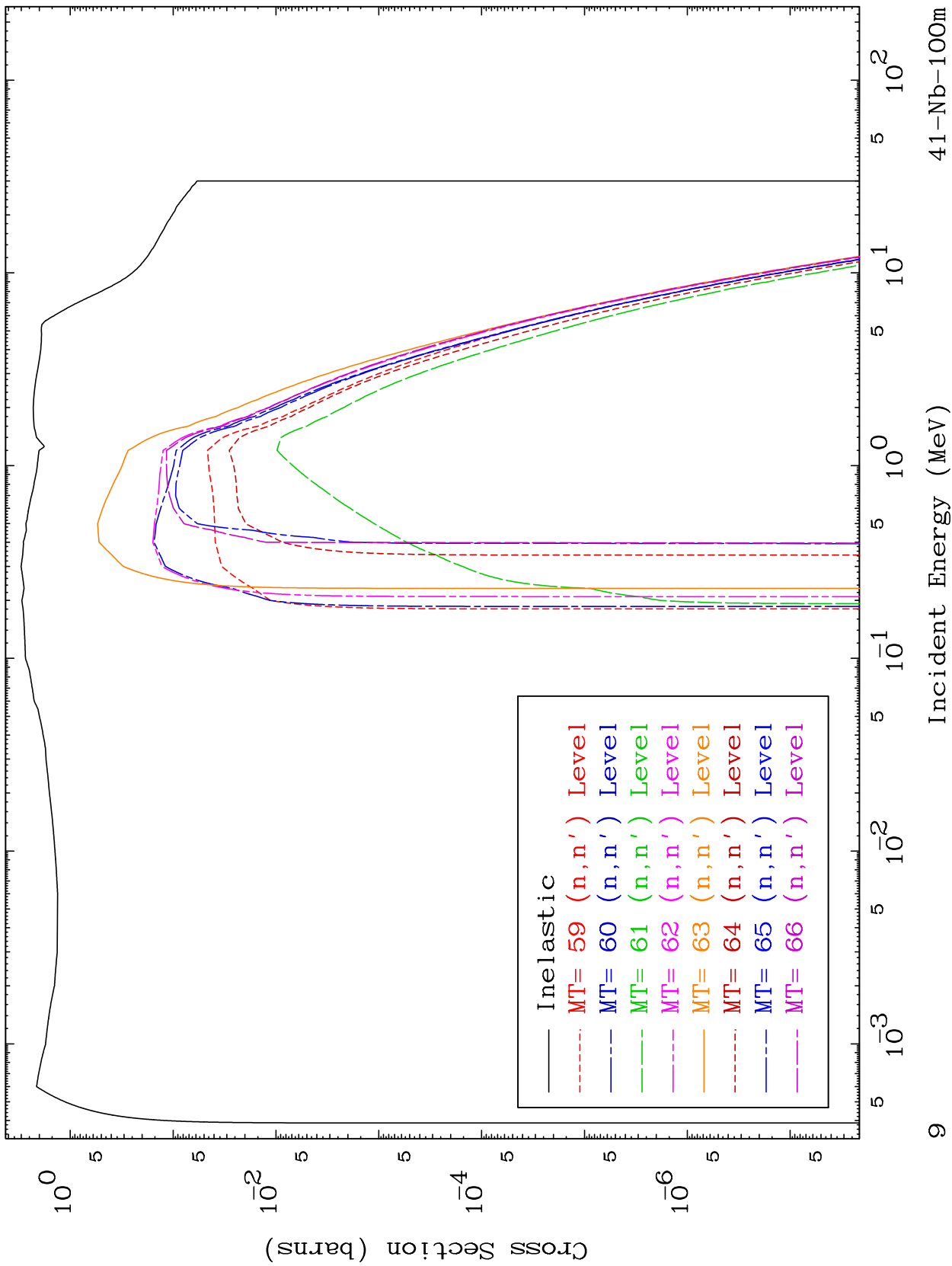
41-Nb-100m



MAT 4147

(n,n') Levels
293 Kelvin Cross Sections

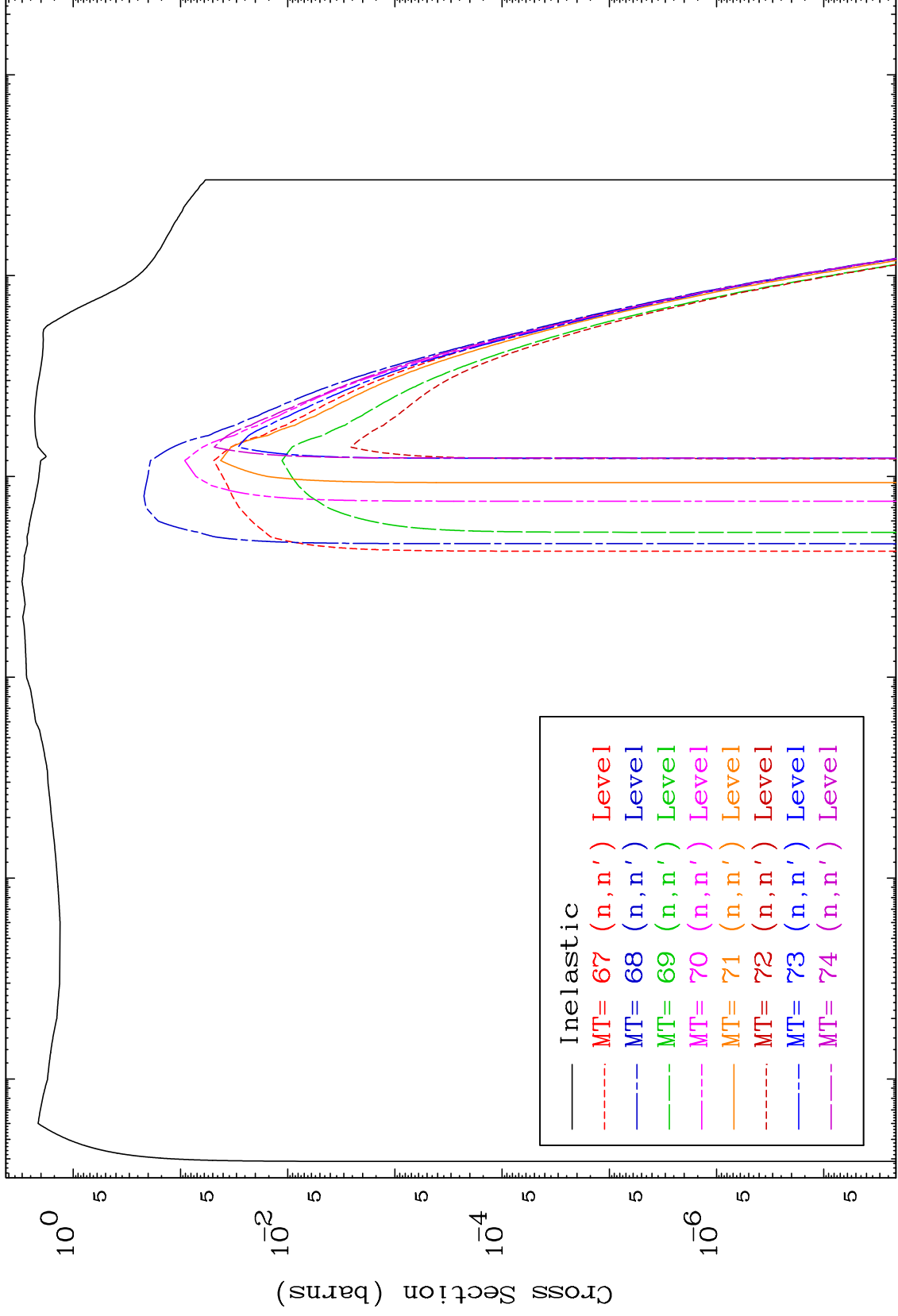
41-Nb-100m



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(n,n') Levels
293 Kelvin Cross Sections

41-Nb-100m



10

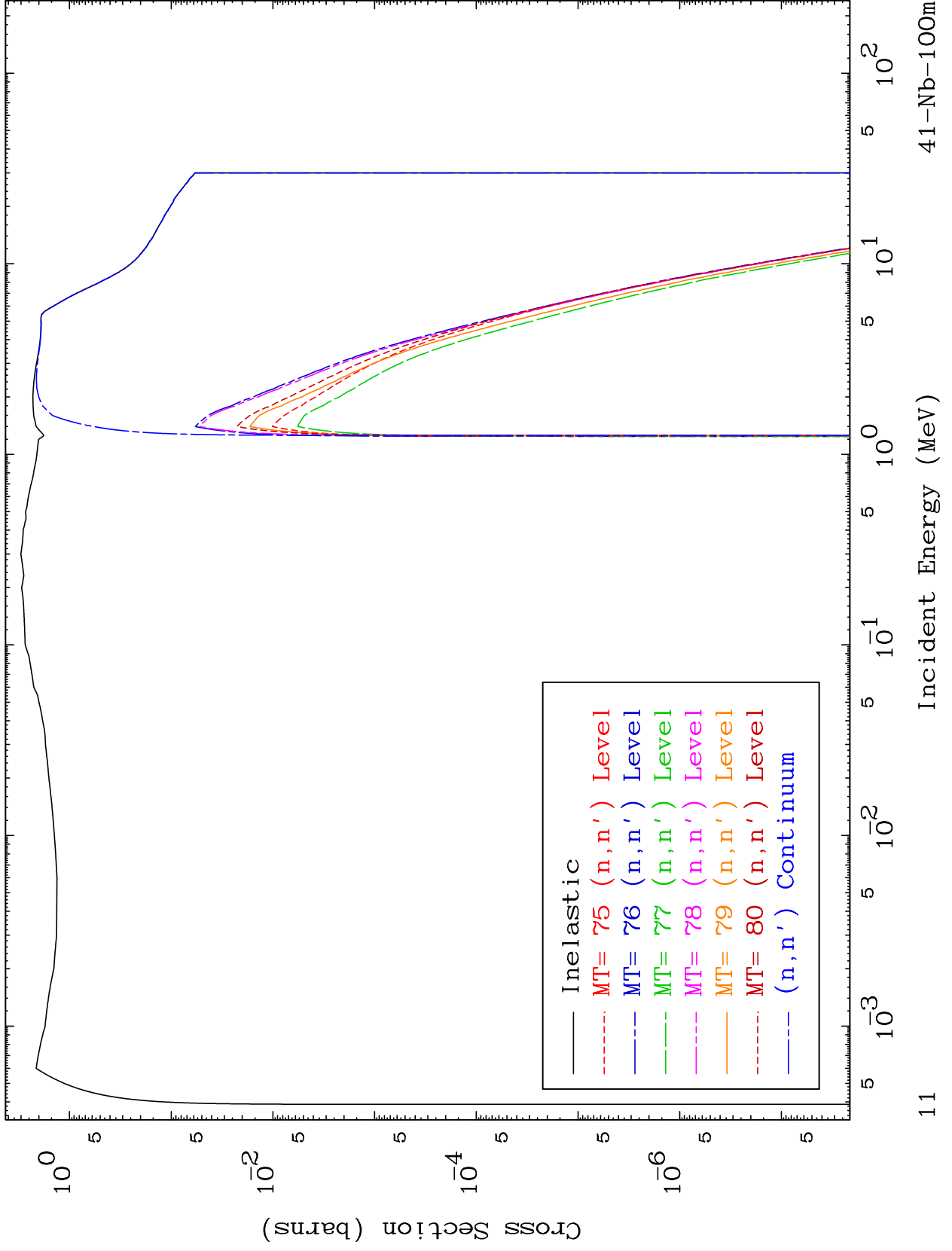
Incident Energy (MeV)

41-Nb-100m

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(n,n') Levels
293 Kelvin Cross Sections

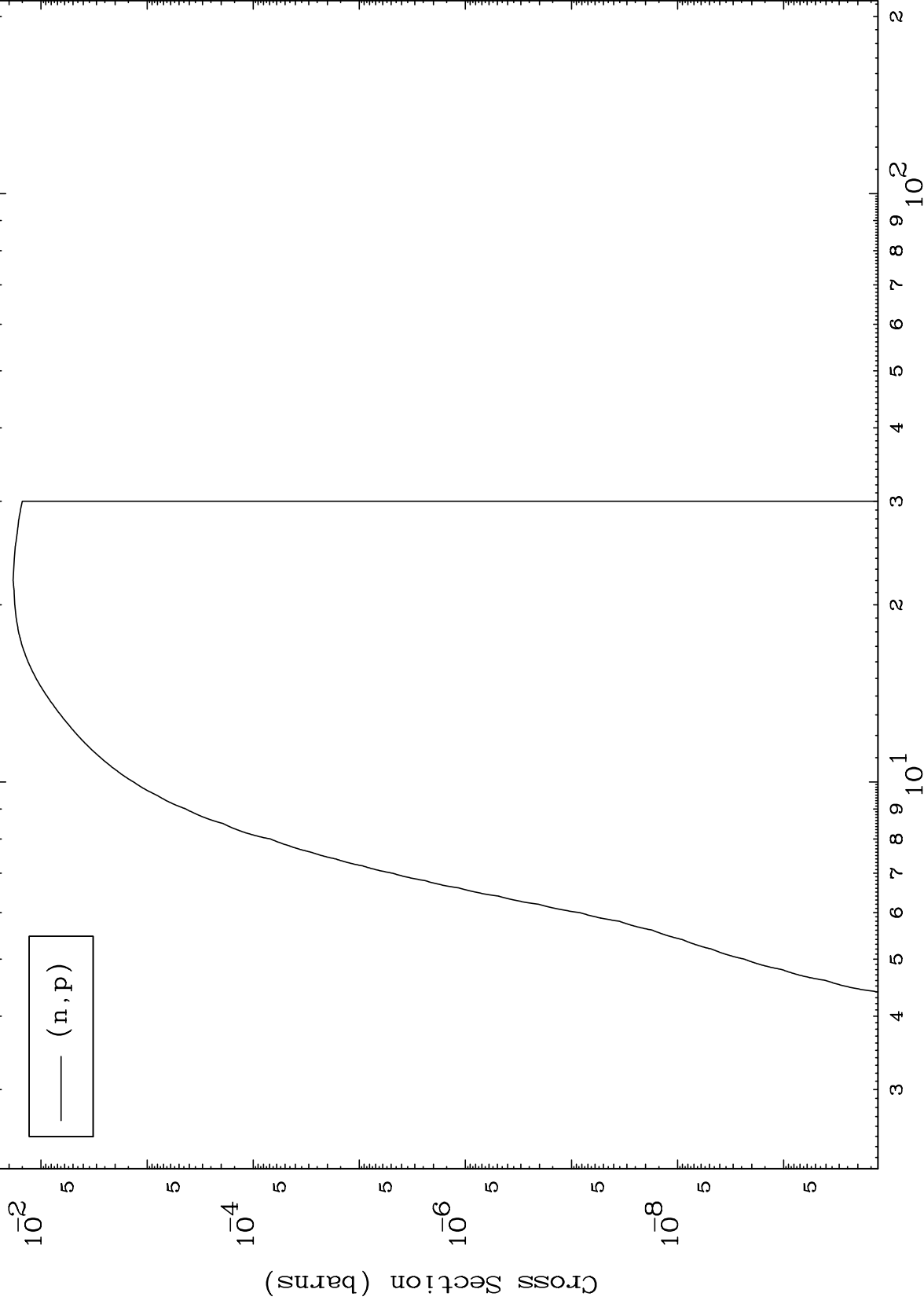
41-Nb-100m



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(n,p) Levels
293 Kelvin Cross Sections

41-Nb-100m



12

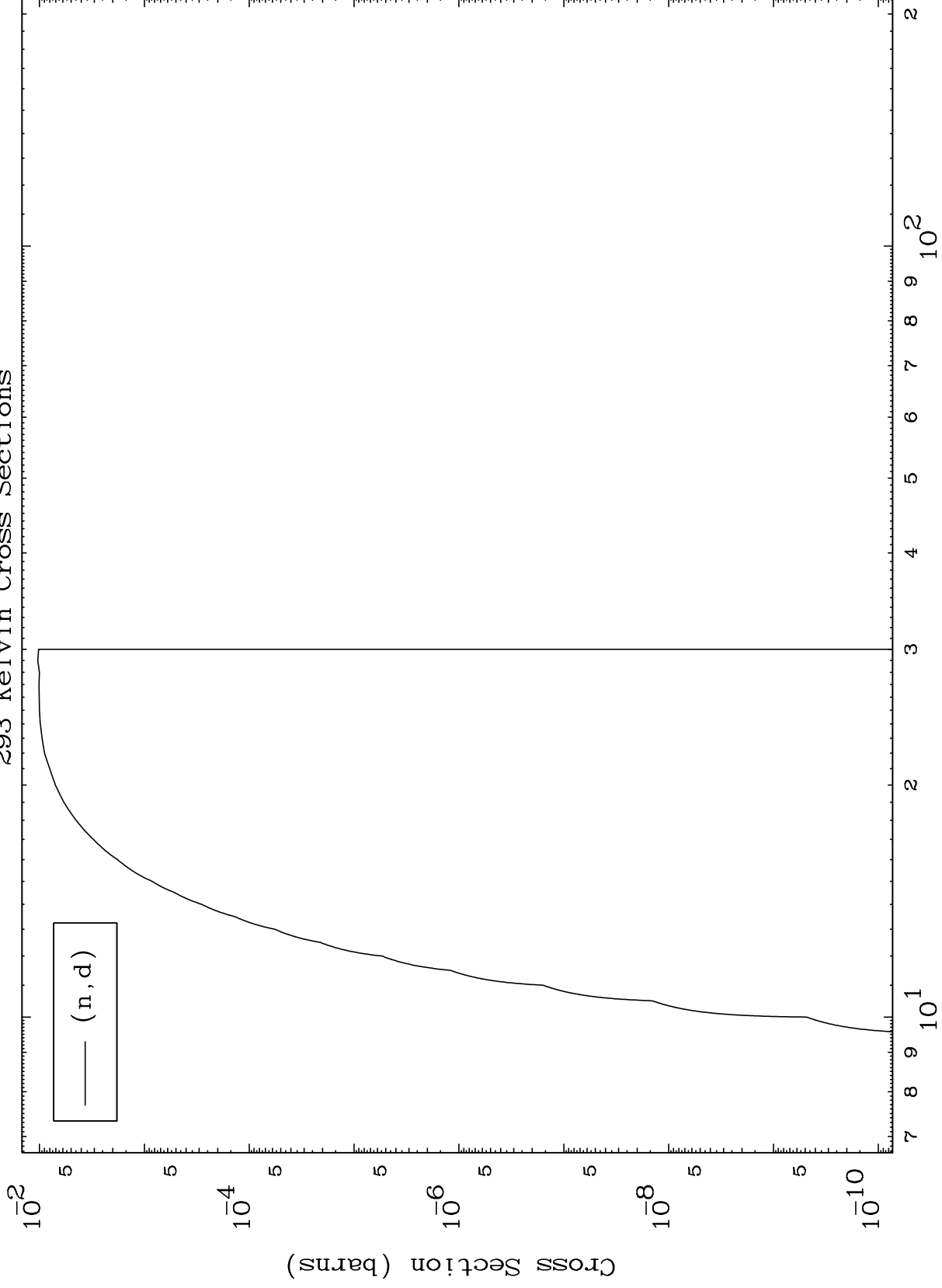
Incident Energy (MeV)

41-Nb-100m

MAT 4147

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-100m



13

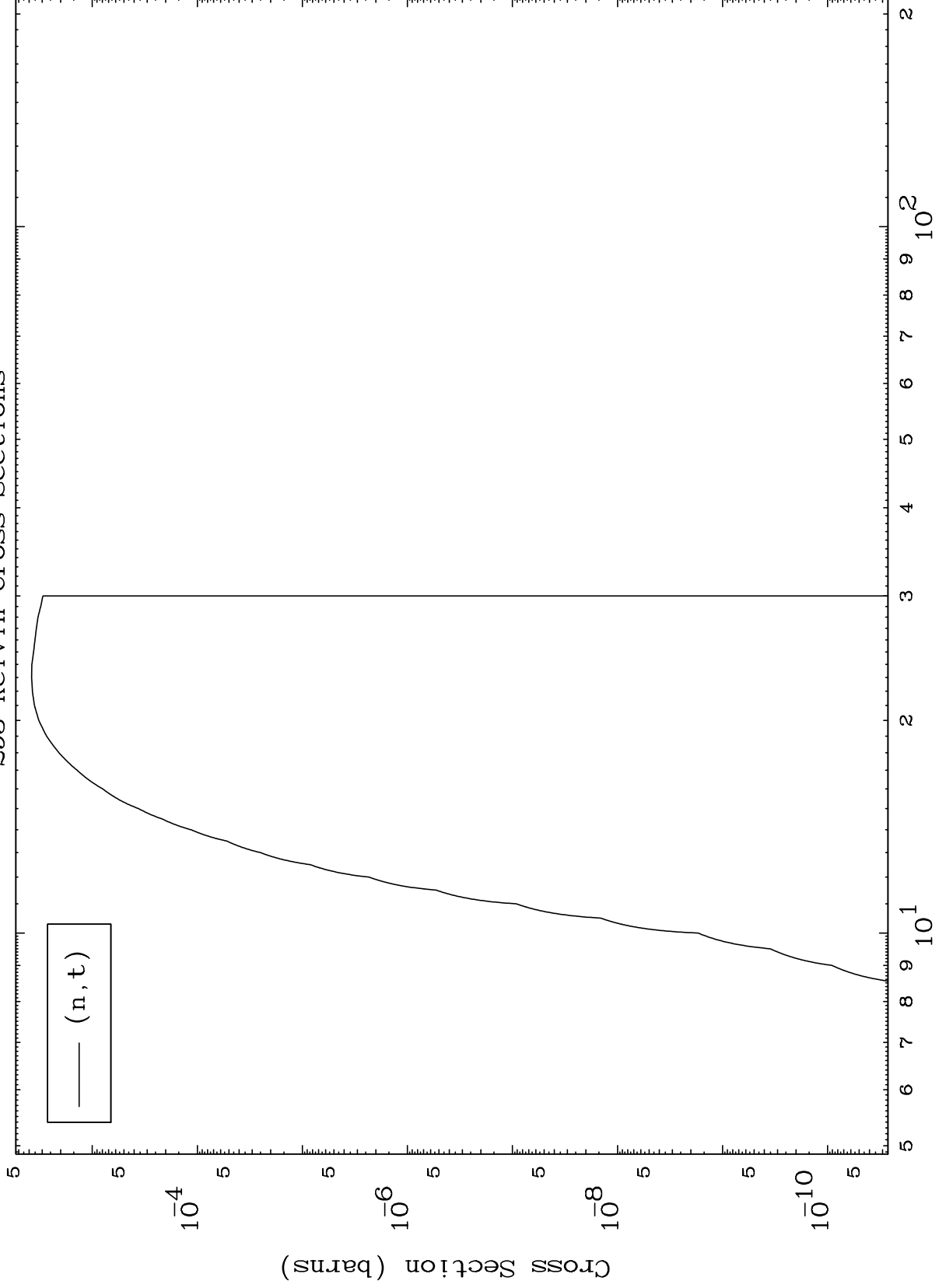
Incident Energy (MeV)

41-Nb-100m

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(n,t) Levels
293 Kelvin Cross Sections

41-Nb-100m



14

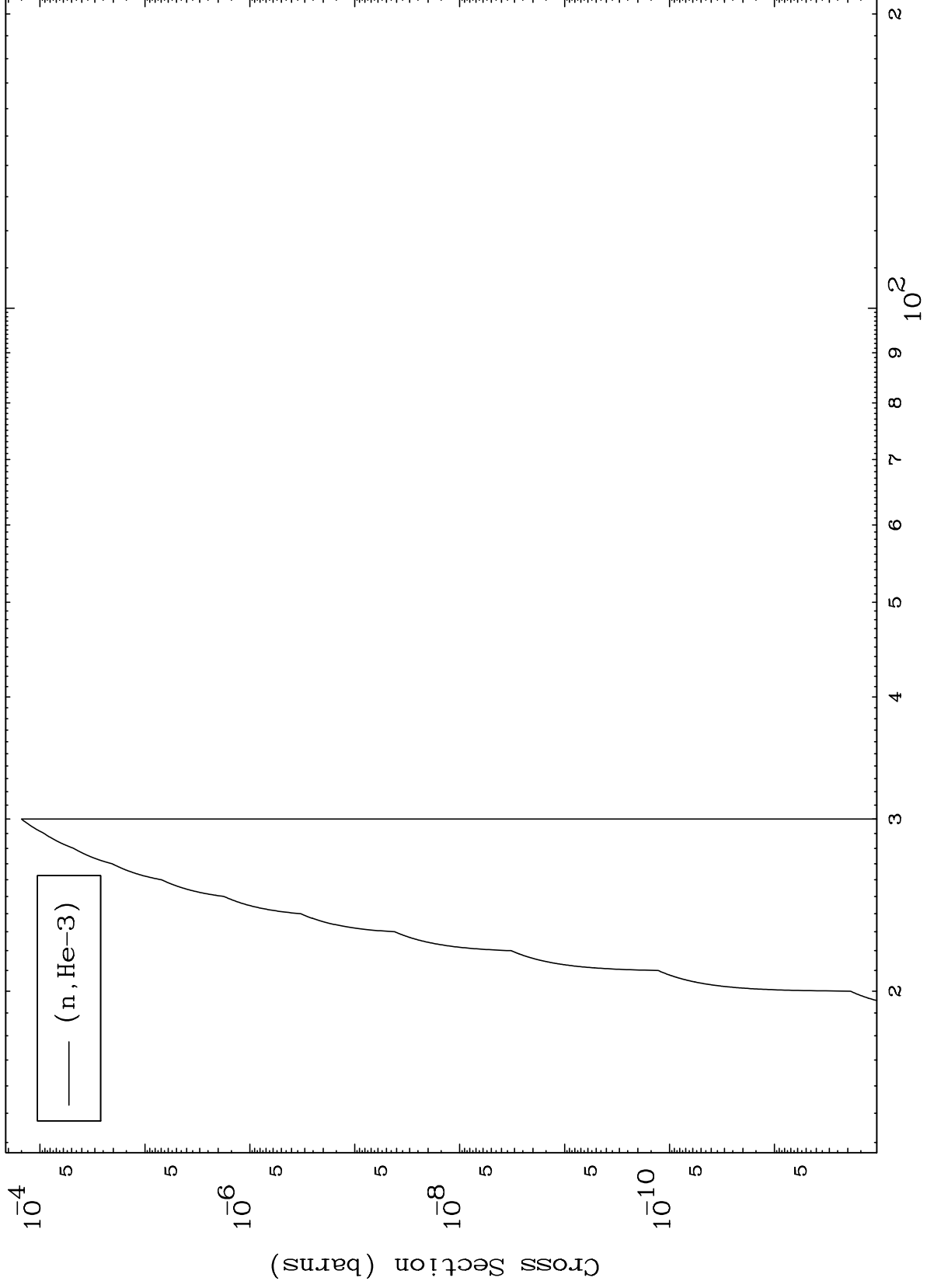
Incident Energy (MeV)

41-Nb-100m

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(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-100m



15

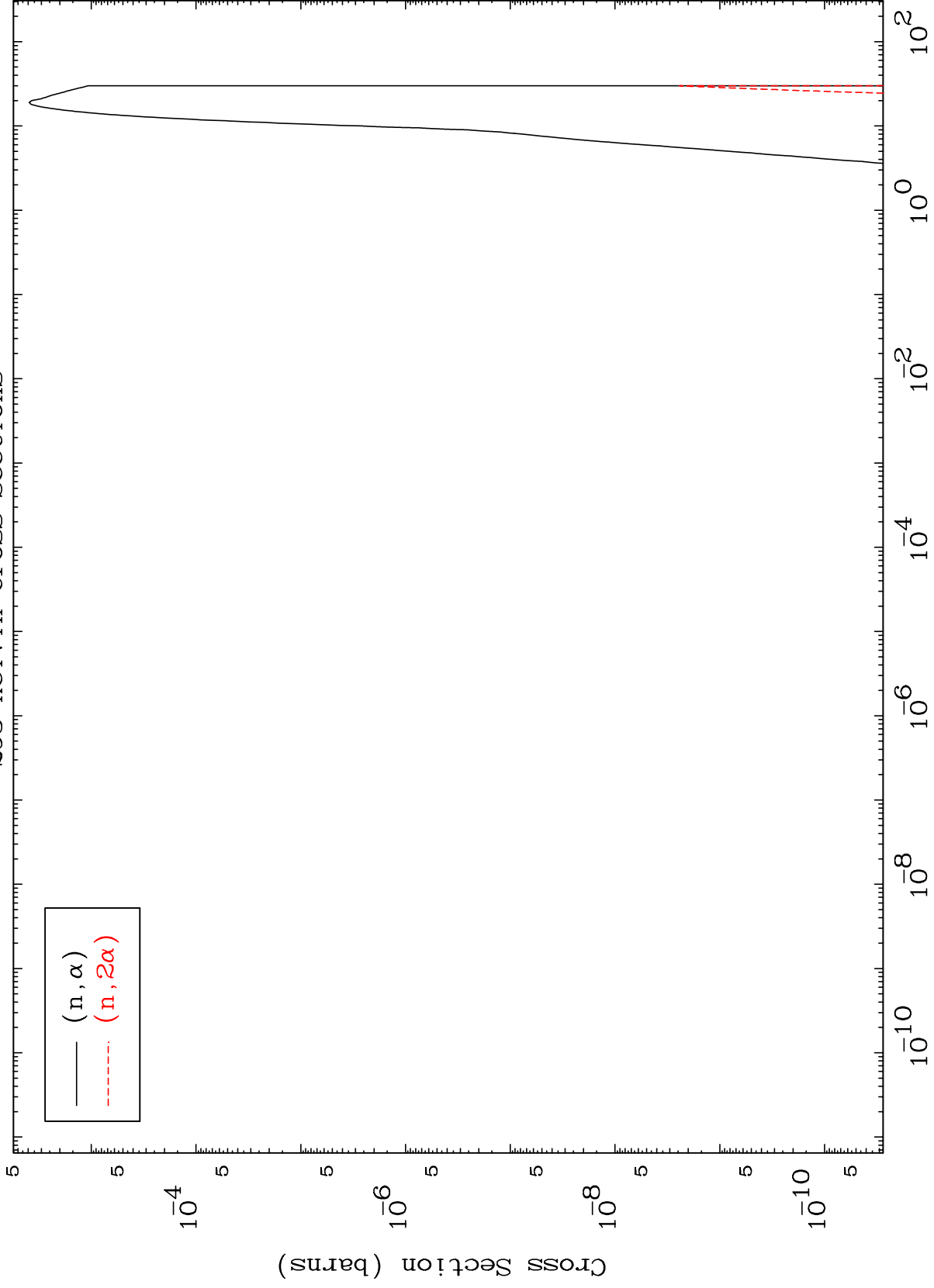
Incident Energy (MeV)

41-Nb-100m

MAT 4147

(n, α) Levels
293 Kelvin Cross Sections

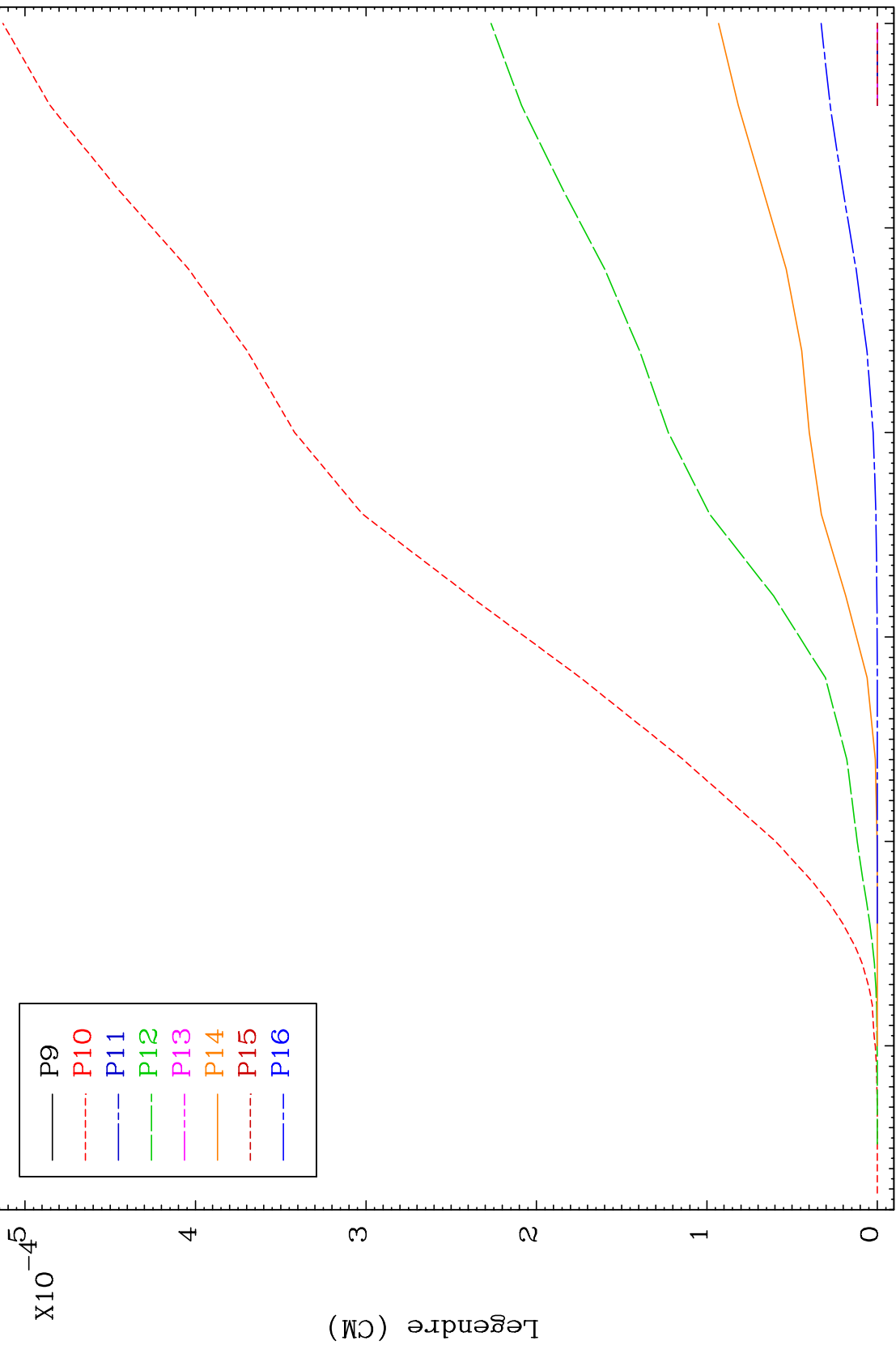
41-Nb-100m



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Elastic Legendre Coefficients

41-Nb-100m



18

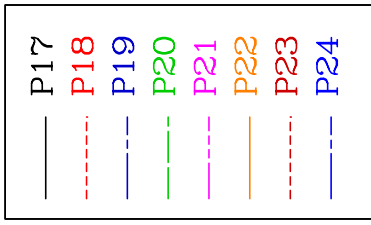
Incident Energy (MeV)

41-Nb-100m

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Elastic
Legendre Coefficients

41-Nb-100m



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

15

20

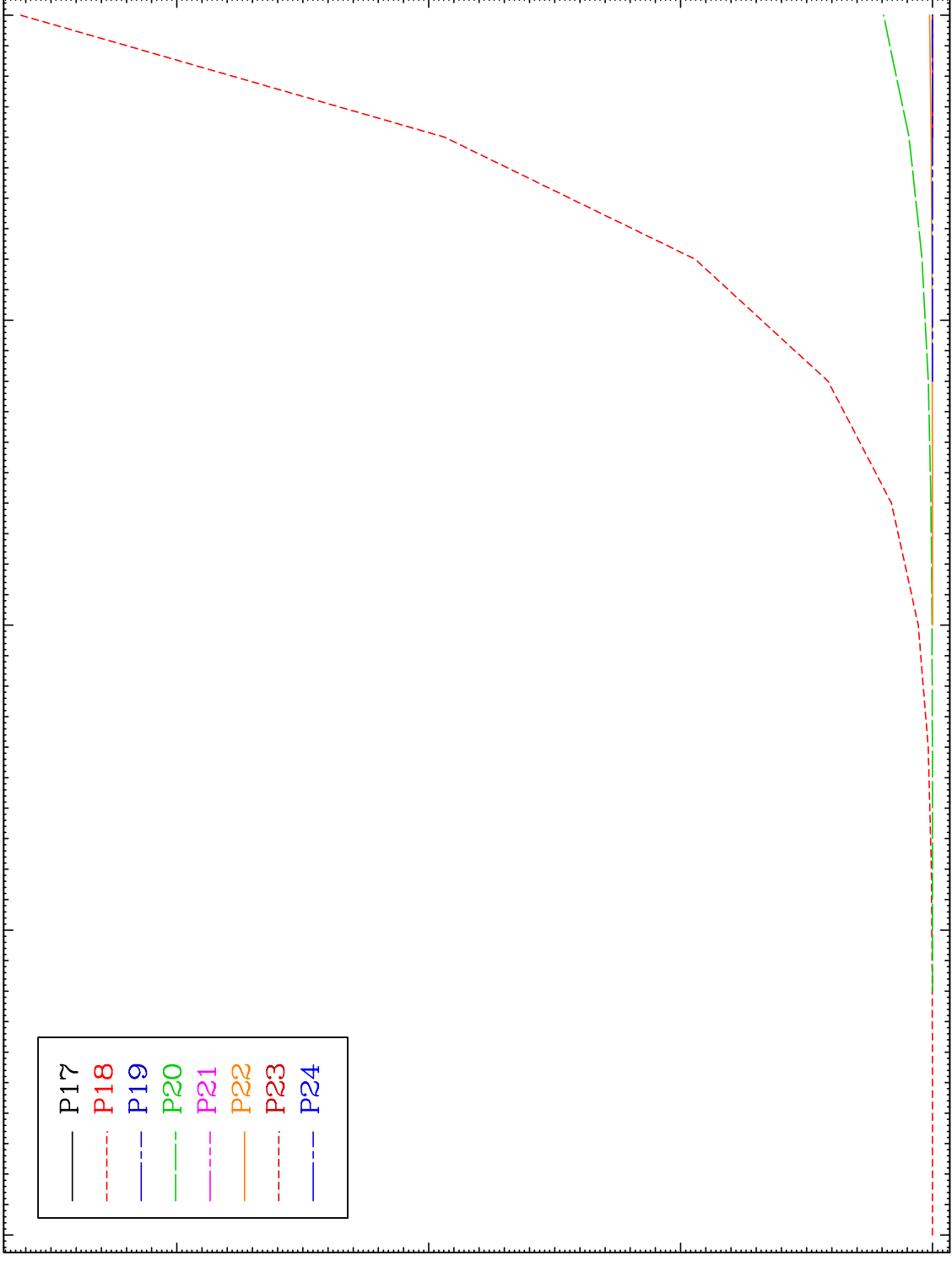
25

30

19

Incident Energy (MeV)

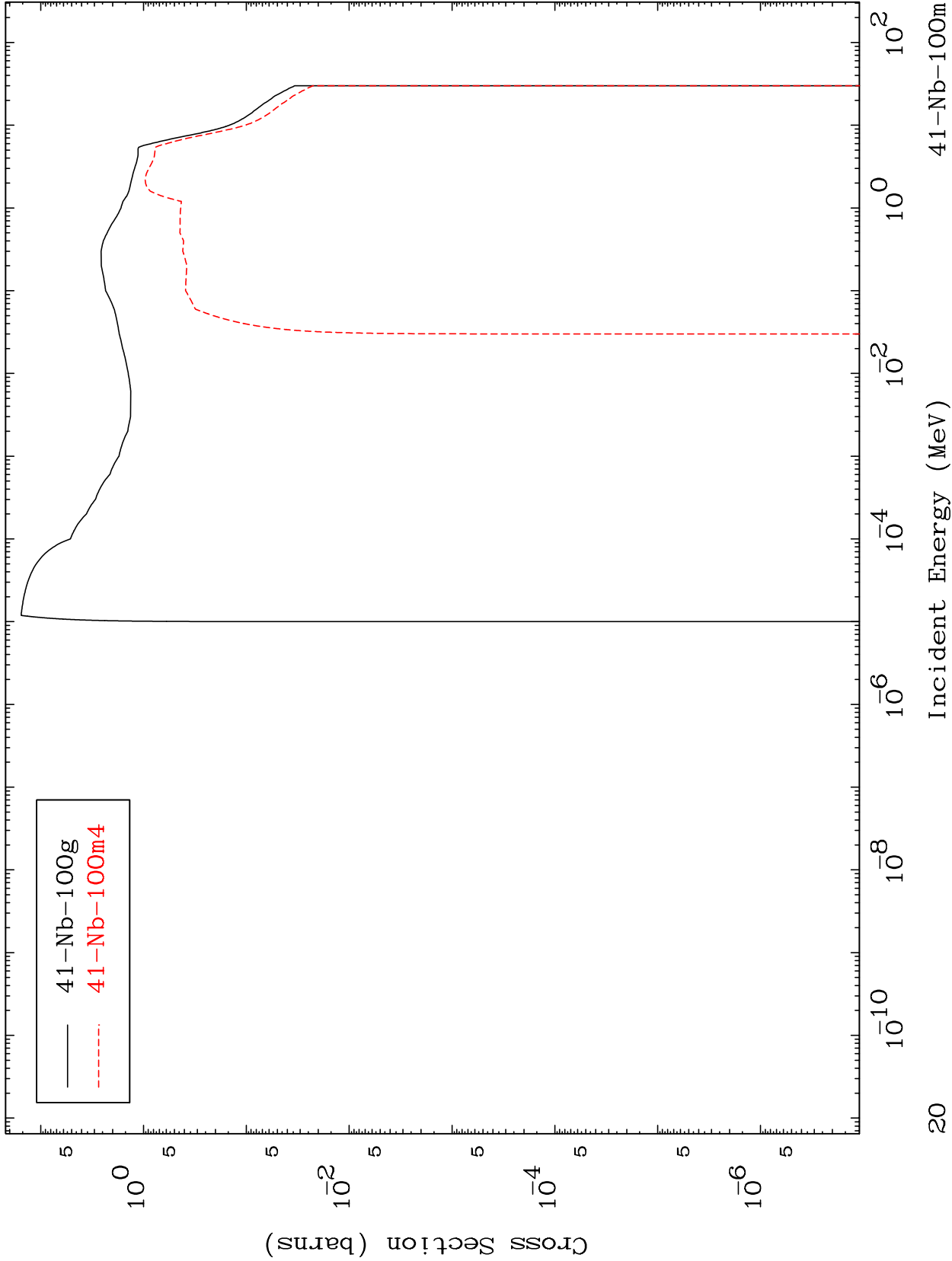
41-Nb-100m



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Radionuclide Production Cross Section

41-Nb-100m

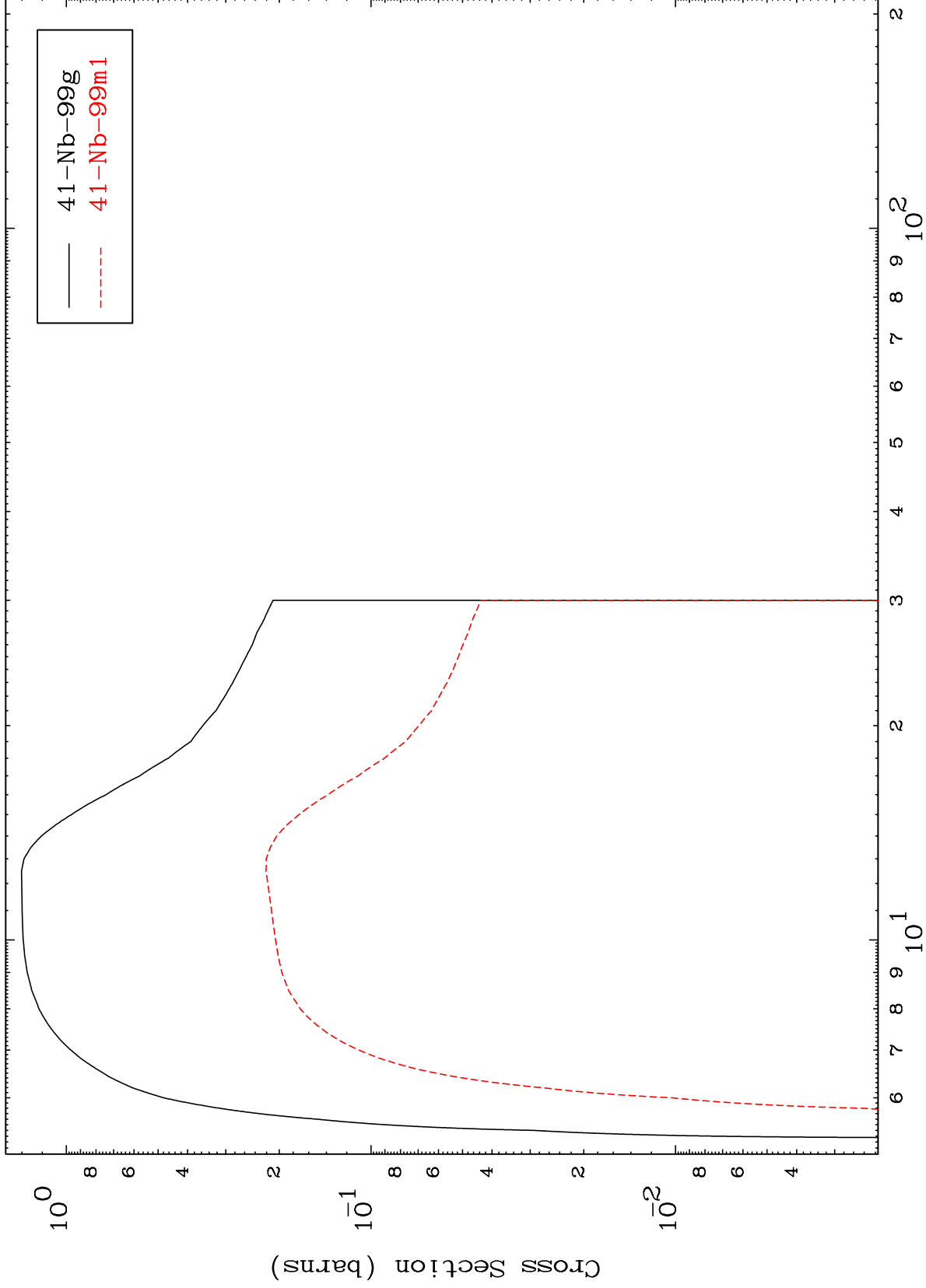


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(n,2n)

41-Nb-100m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

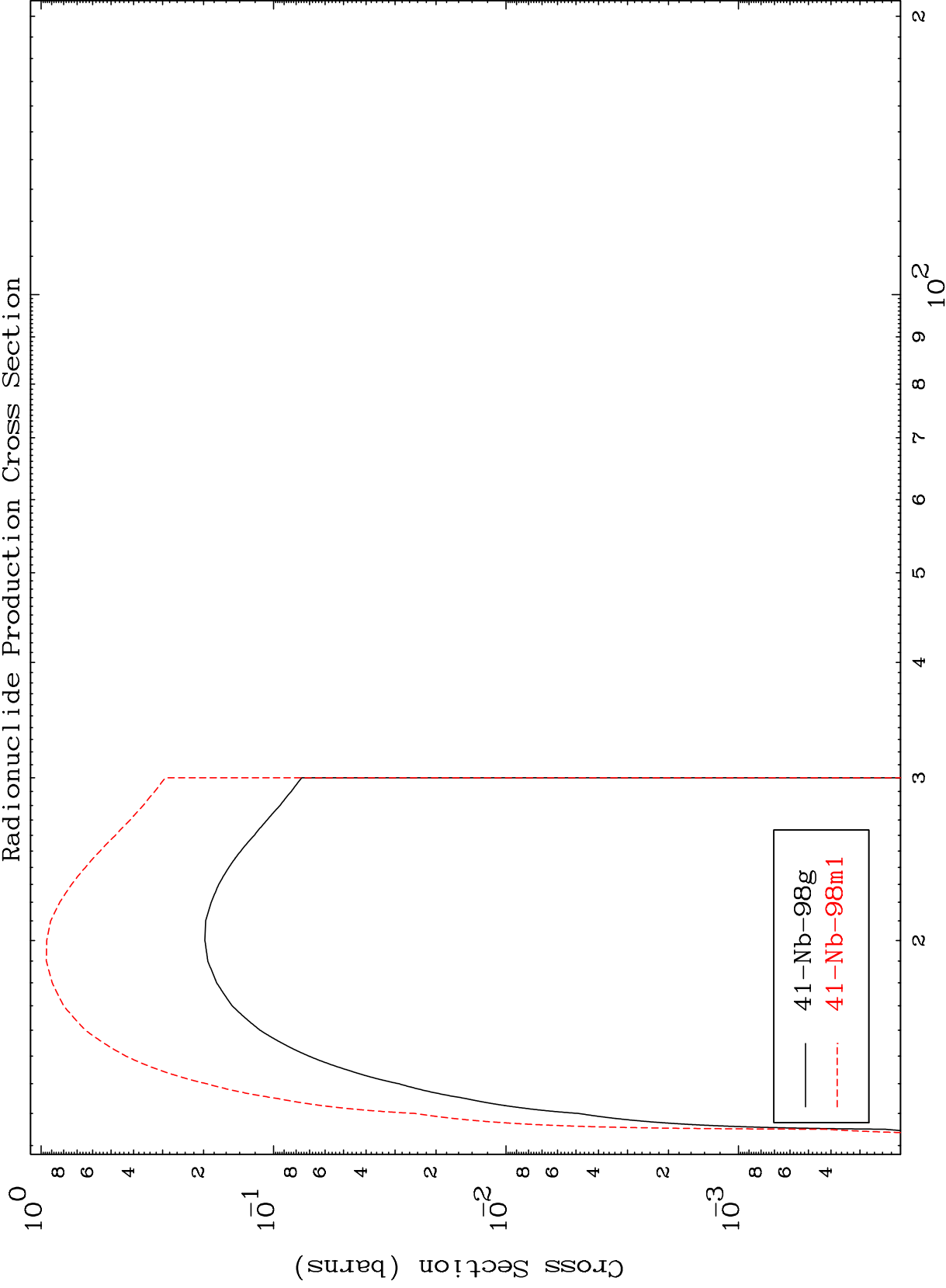
41-Nb-100m

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(n,3n)

41-Nb-100m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

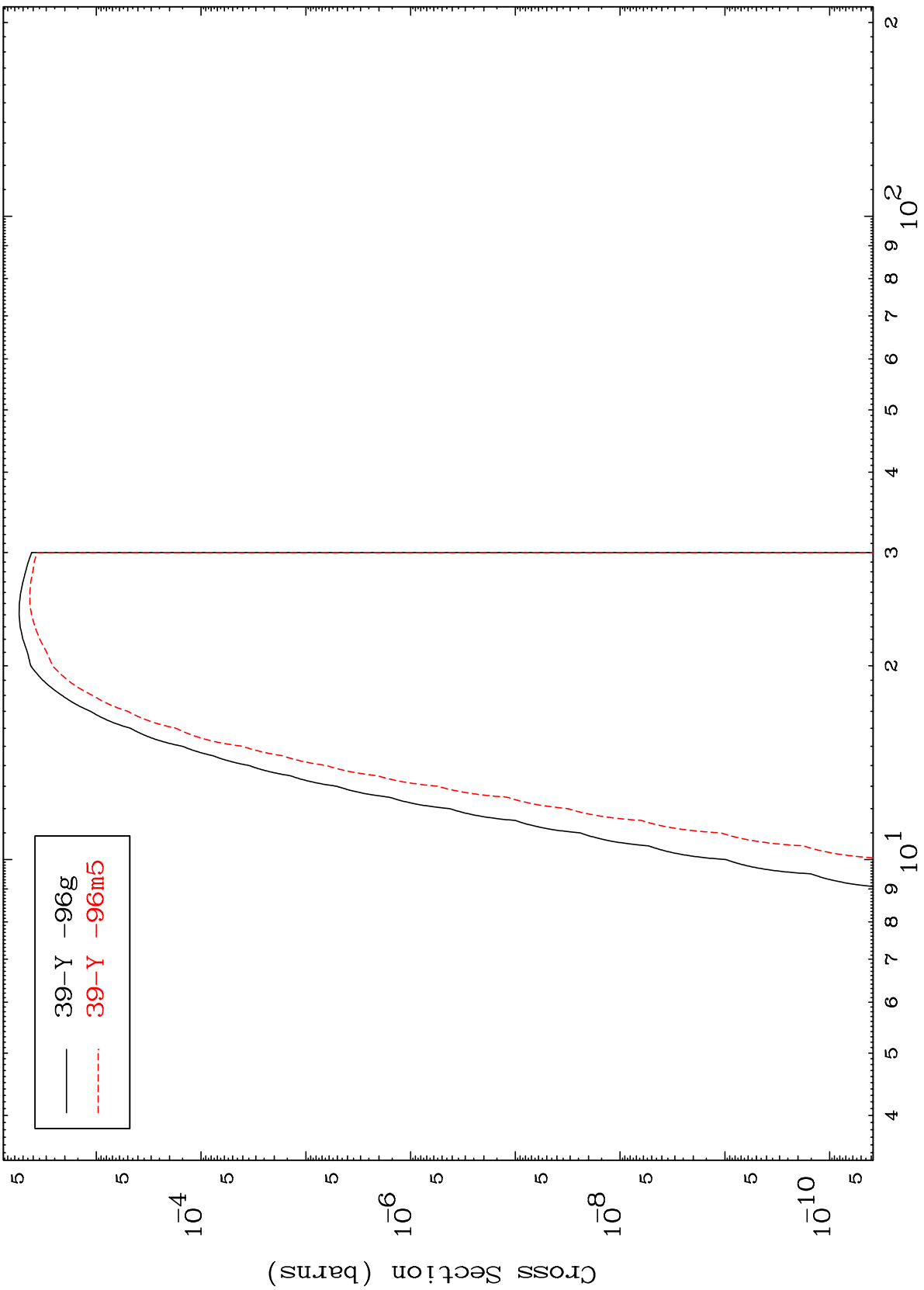
41-Nb-100m

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41-Nb-100m

(n,n') α

Radionuclide Production Cross Section



41-Nb-100m

Incident Energy (MeV)

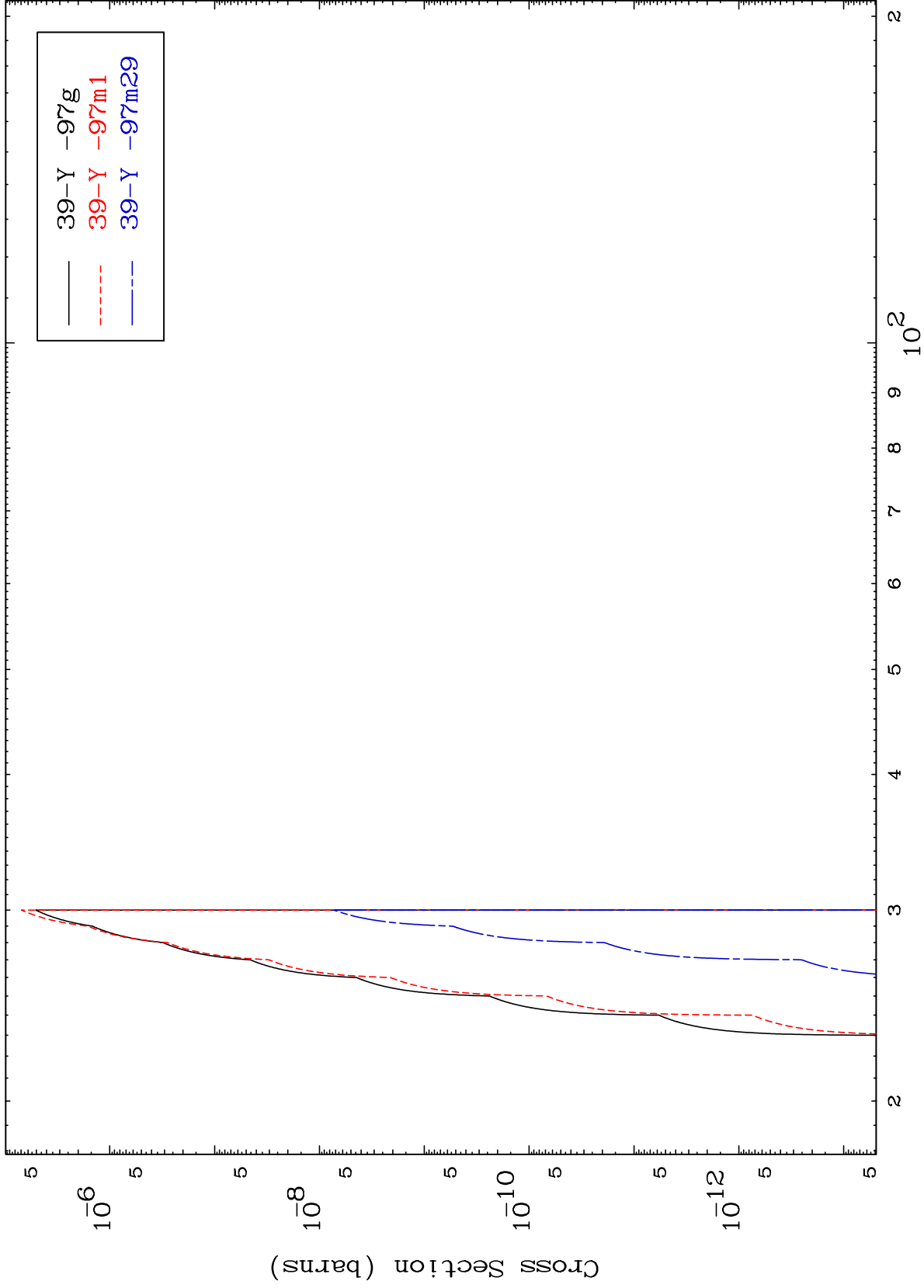
23

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(n,n') He-3

41-Nb-100m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

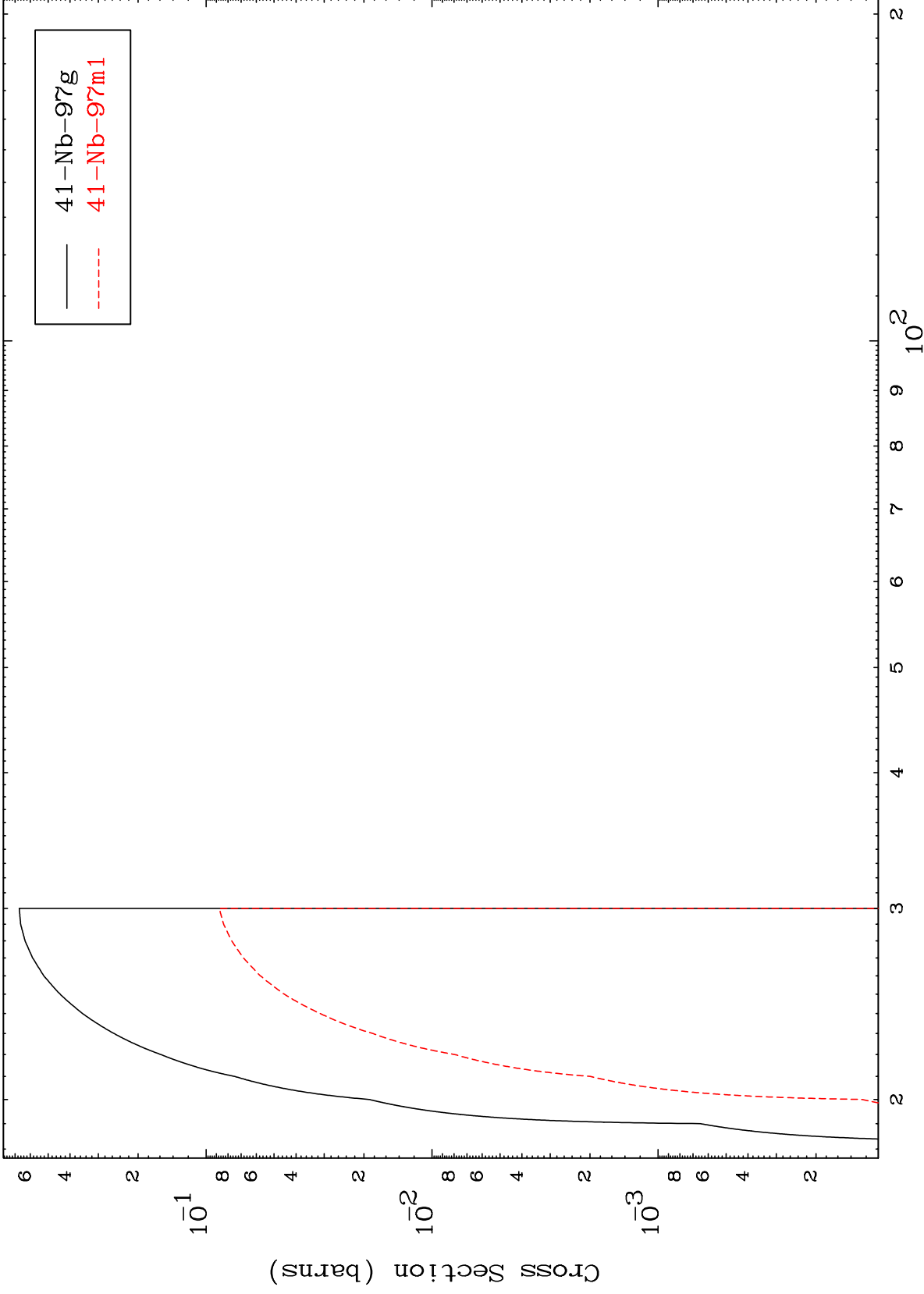
41-Nb-100m

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(n,4n)

41-Nb-100m

Radionuclide Production Cross Section



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

25

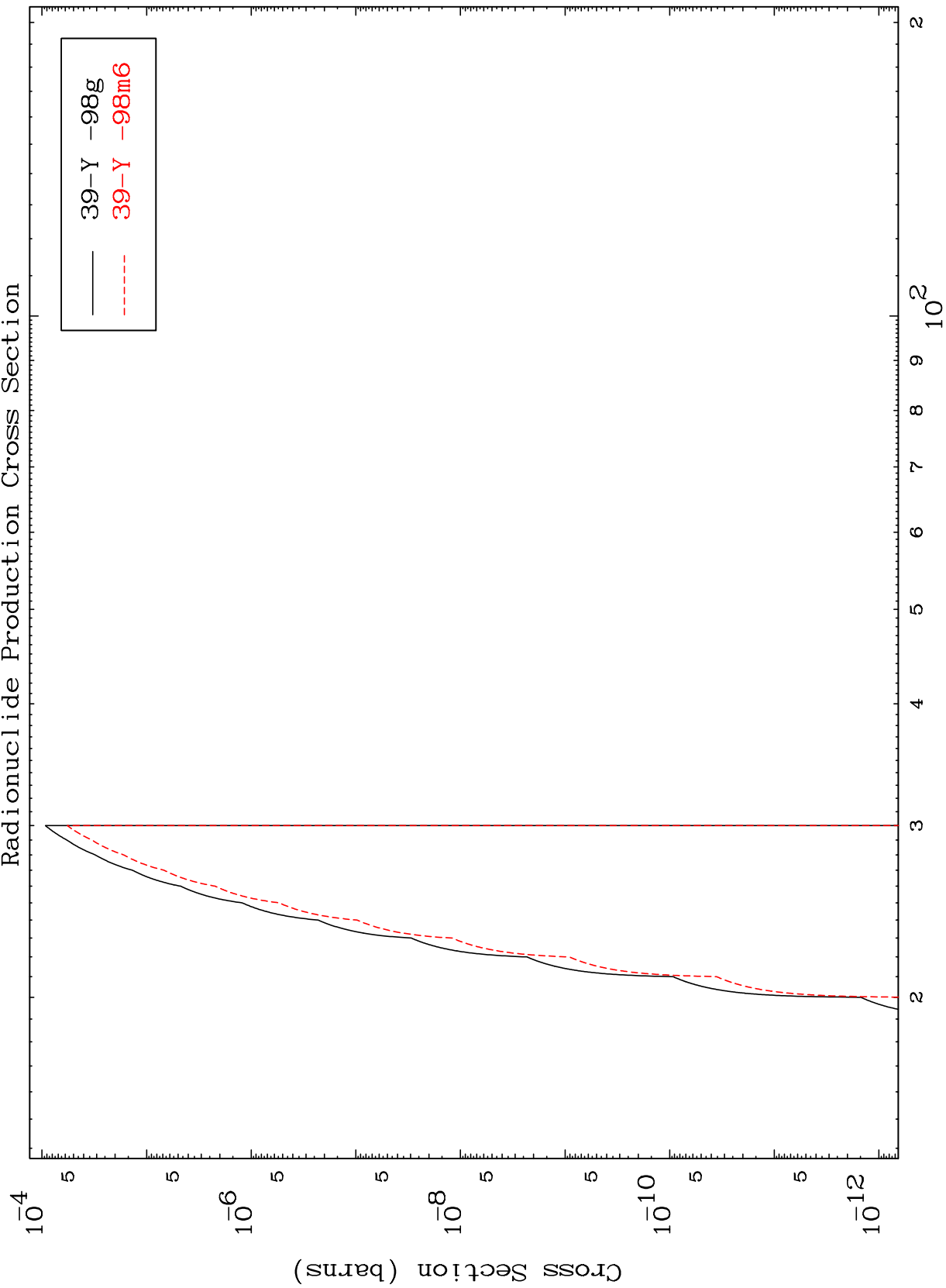
Incident Energy (MeV)

41-Nb-100m

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41-Nb-100m

(n,He-3)
Radionuclide Production Cross Section



26

41-Nb-100m

Incident Energy (MeV)

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41-Nb-100m

(n, α)
Radionuclide Production Cross Section

