

Program EVALPLOT
(Version 2021-1)

by

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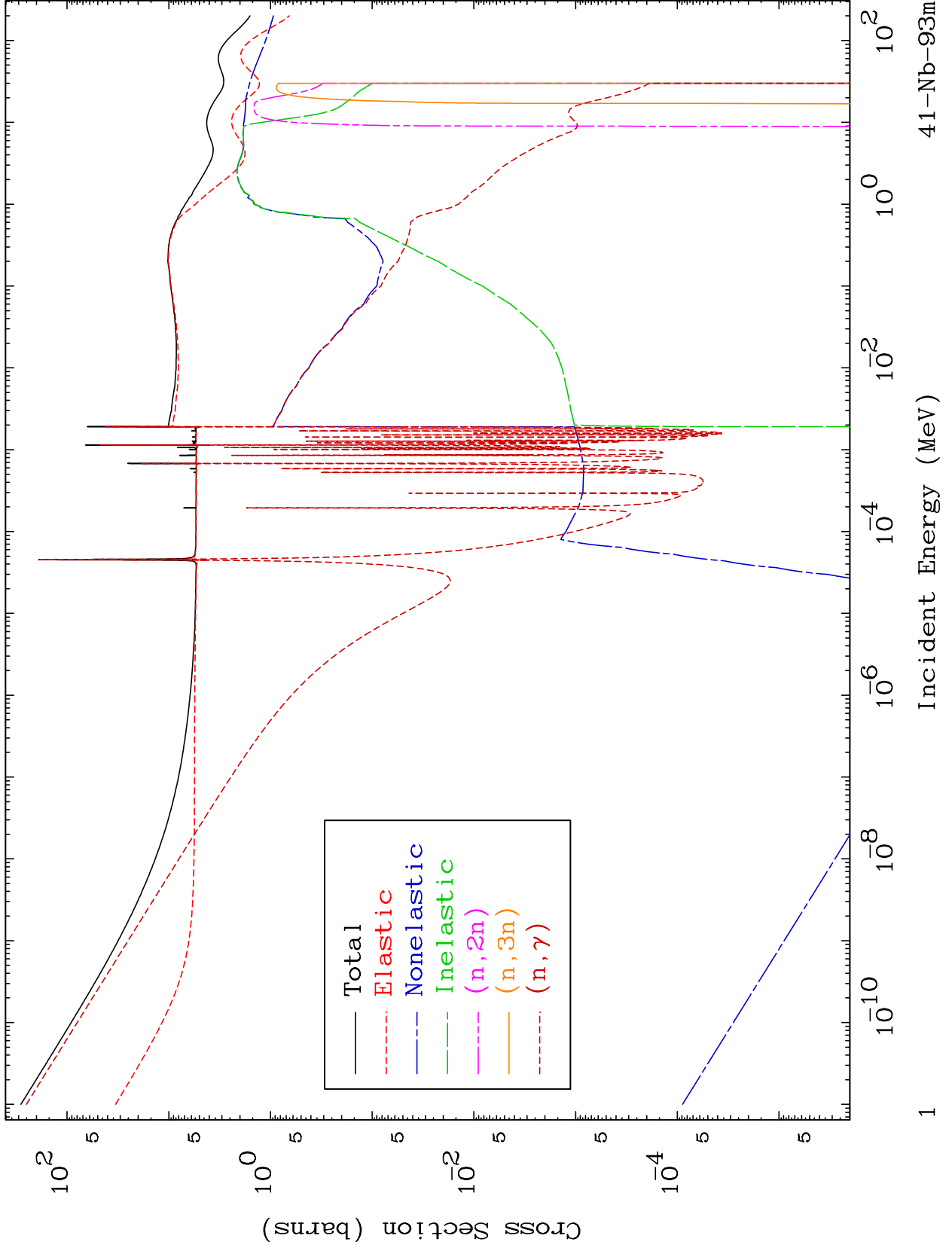
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Press Mouse Button to Start

MAT 4126

Neutron Major
293 Kelvin Cross Sections

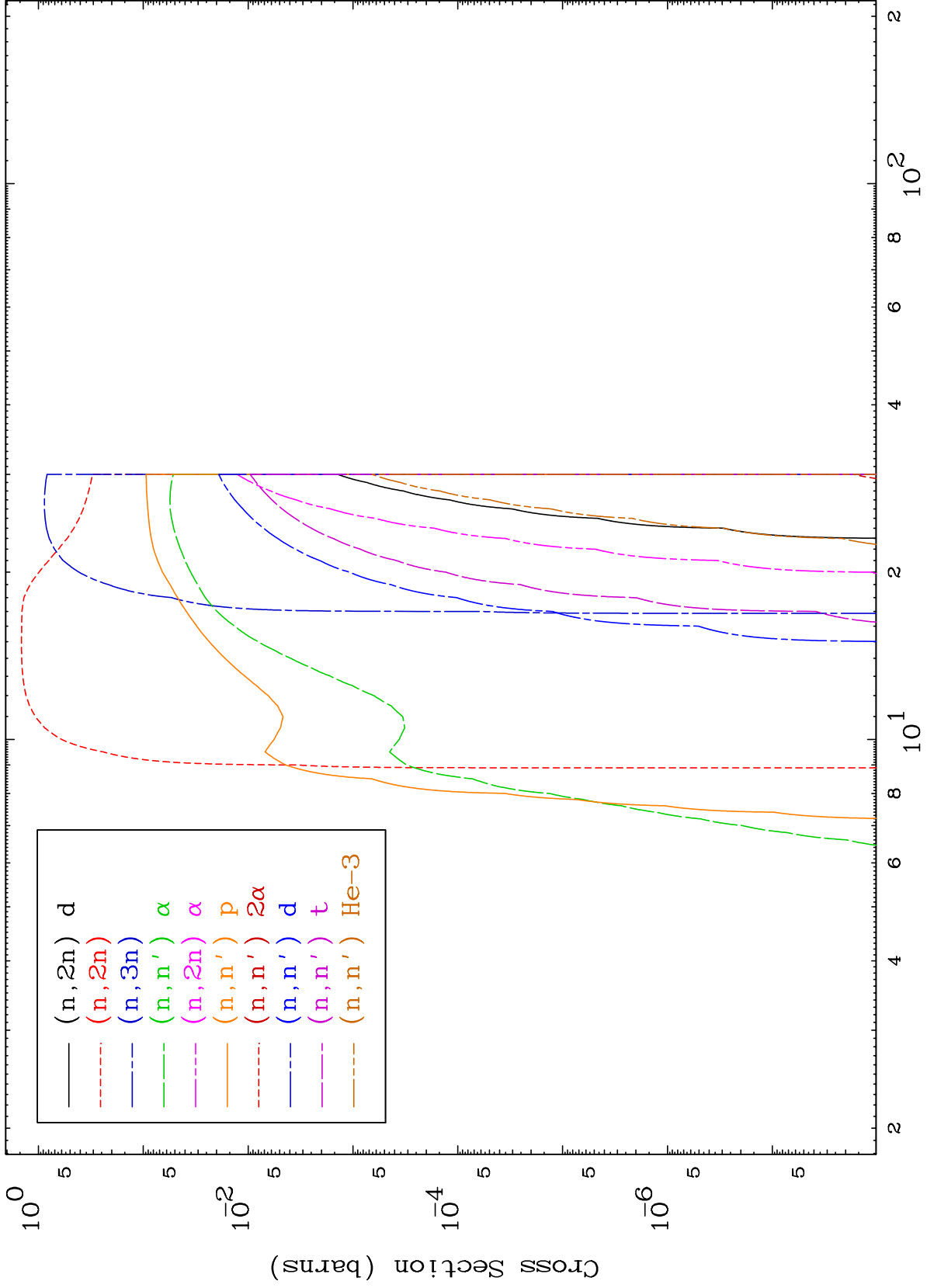
41-Nb-93m



MAT 4126

Neutron Absorption
293 Kelvin Cross Sections

41-Nb-93m



2

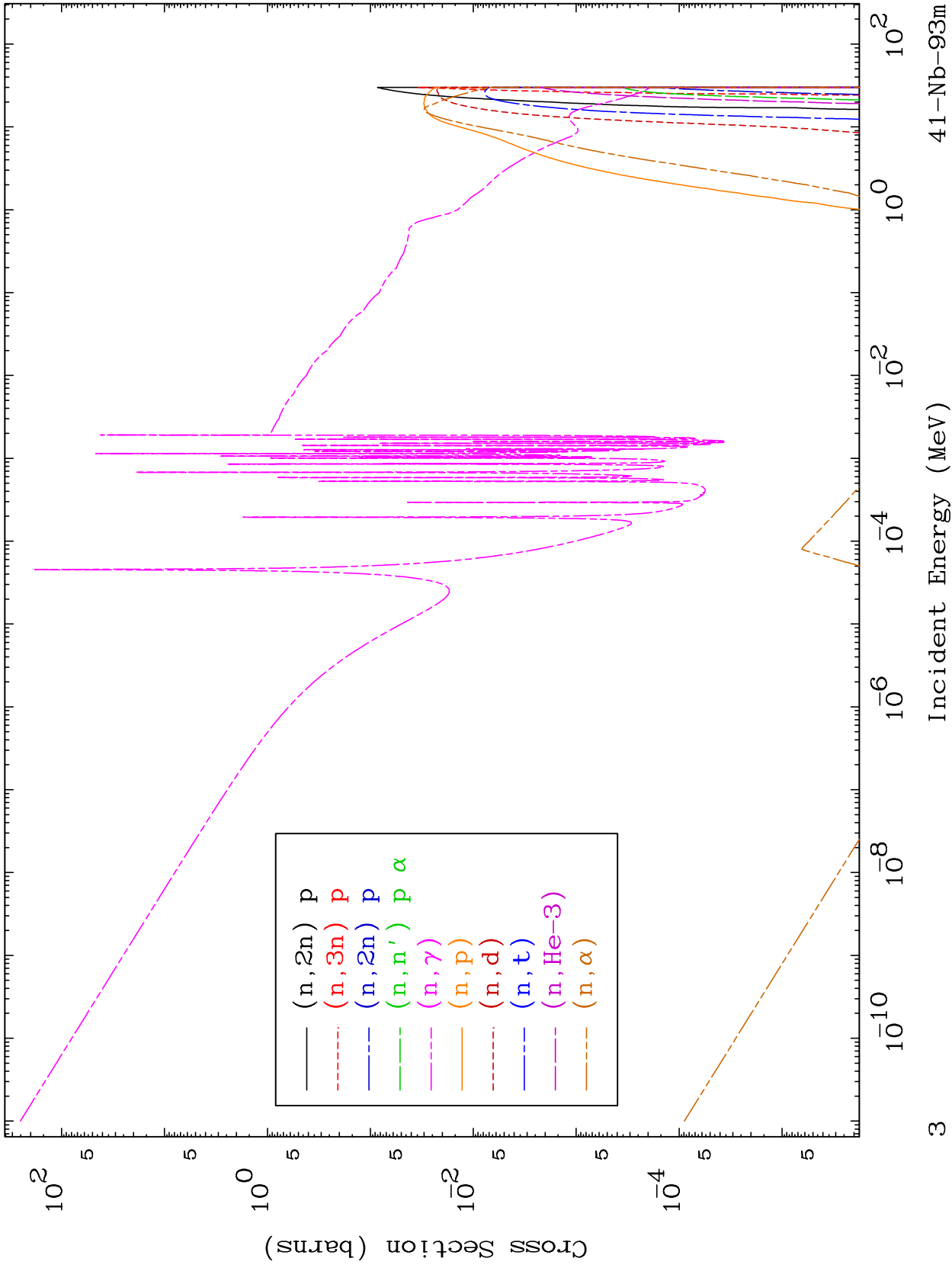
Incident Energy (MeV)

41-Nb-93m

MAT 4126

Neutron Absorption
293 Kelvin Cross Sections

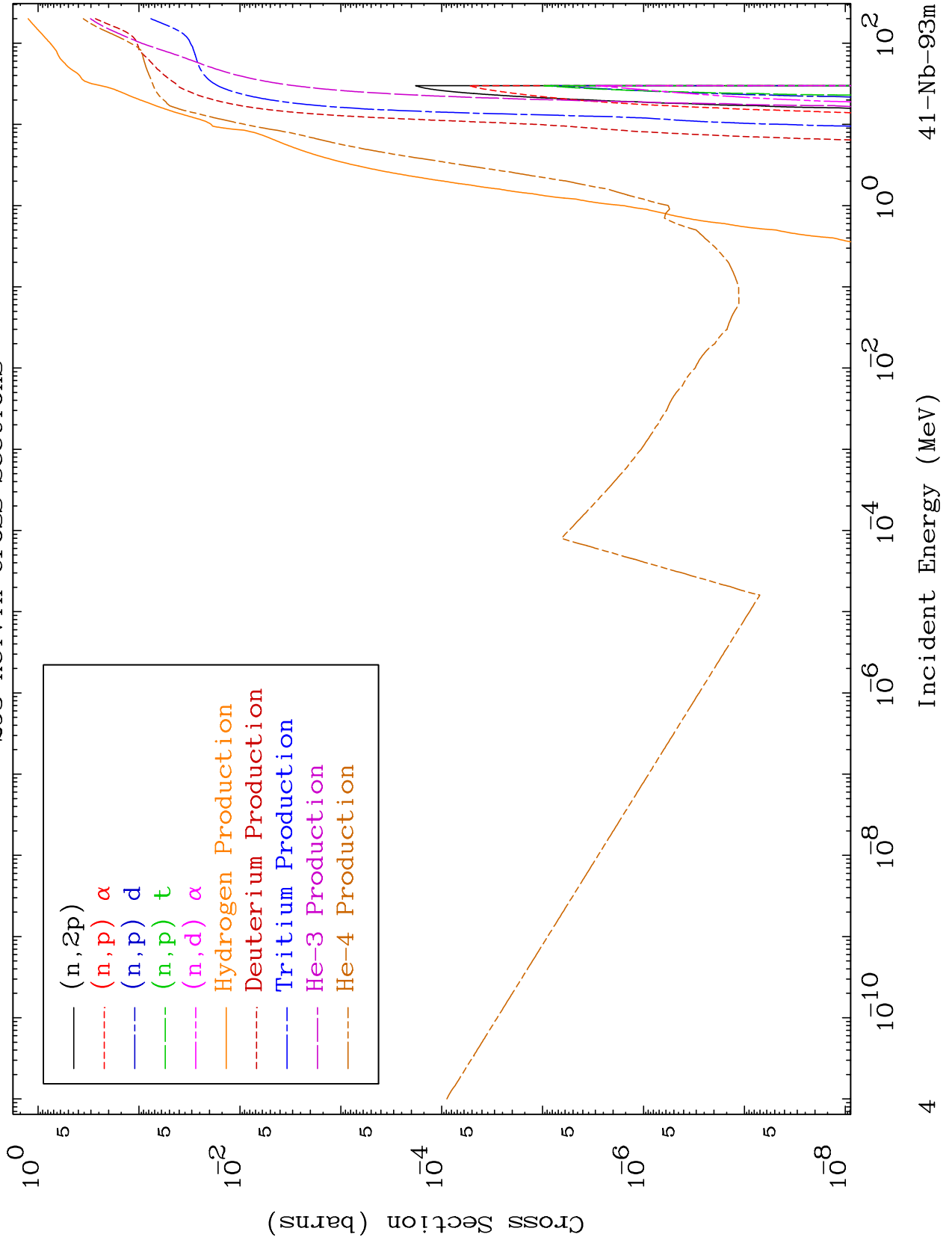
41-Nb-93m



MAT 4126

Neutron Absorption
293 Kelvin Cross Sections

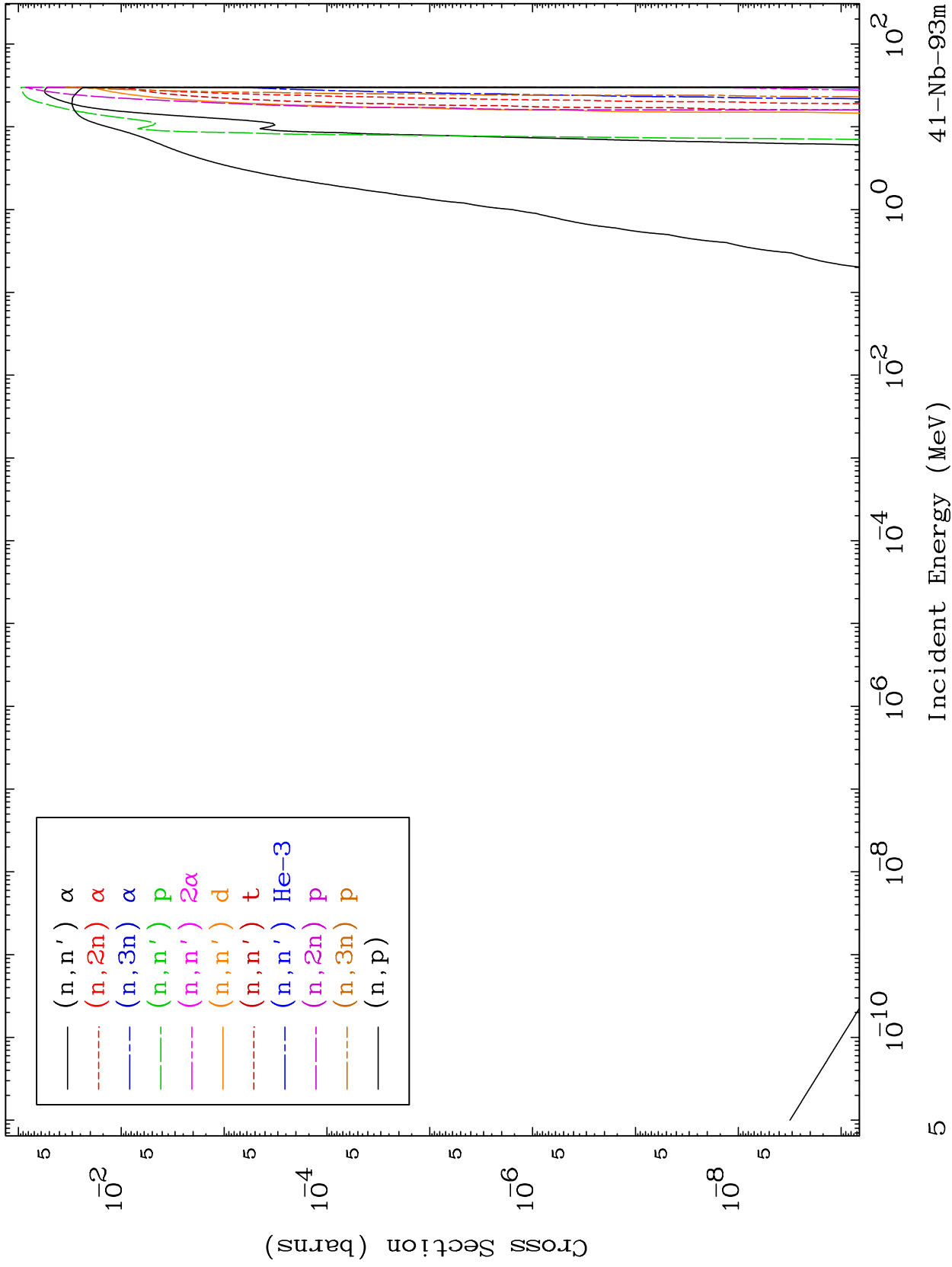
41-Nb-93m



MAT 4126

Charged Particle
293 Kelvin Cross Sections

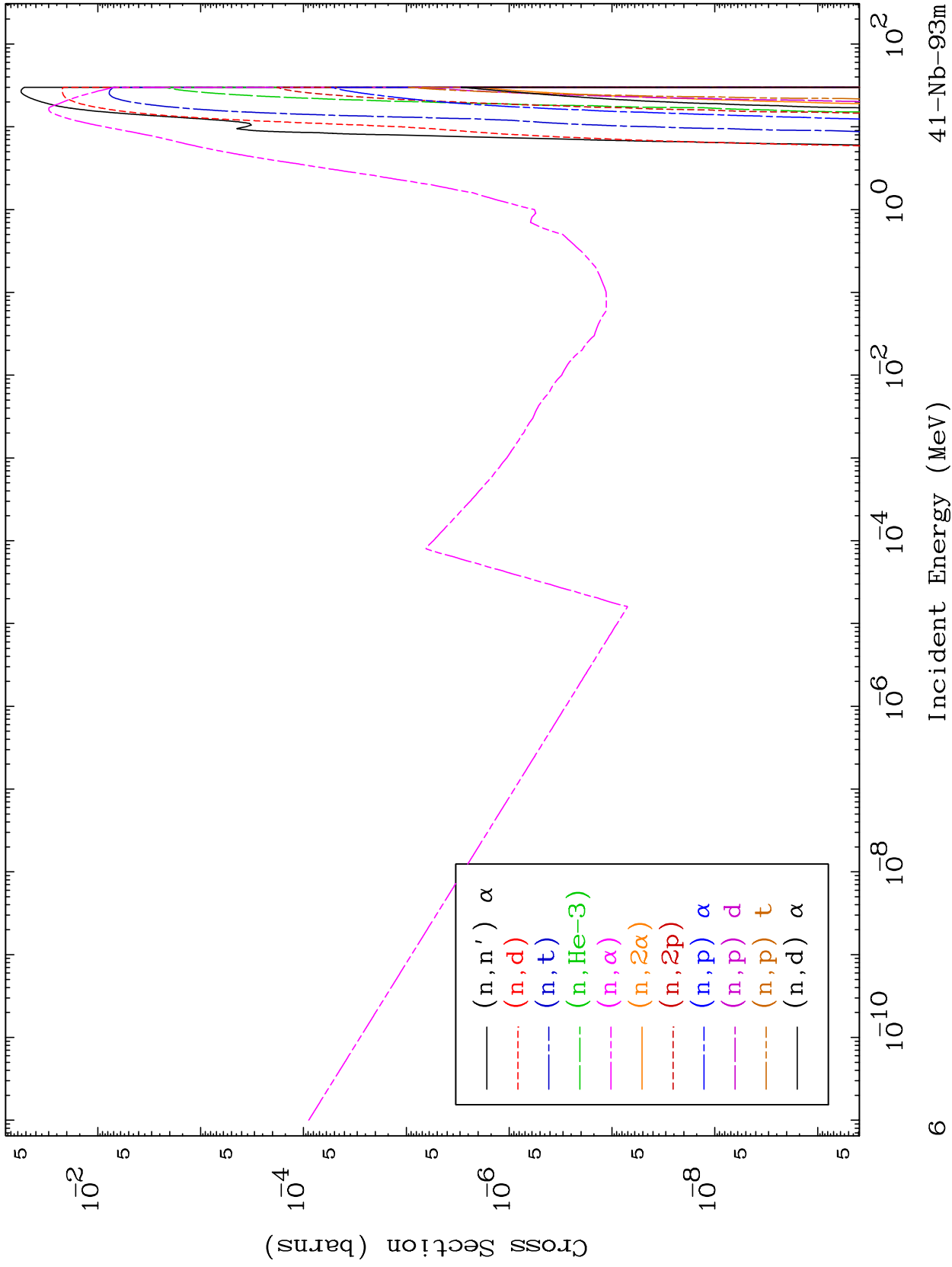
41-Nb-93m



MAT 4126

Charged Particle
293 Kelvin Cross Sections

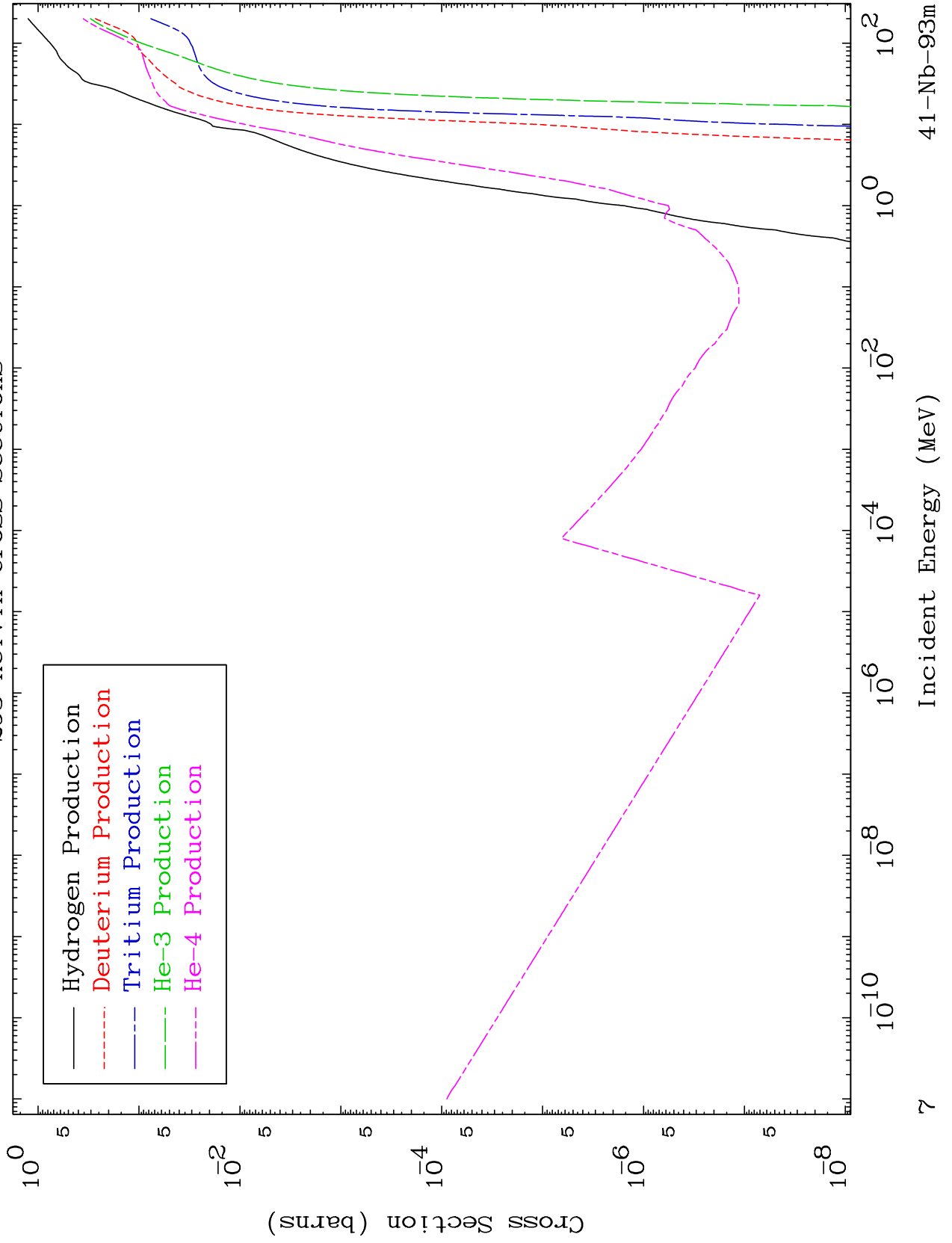
41-Nb-93m



MAT 4126

Particle Production
293 Kelvin Cross Sections

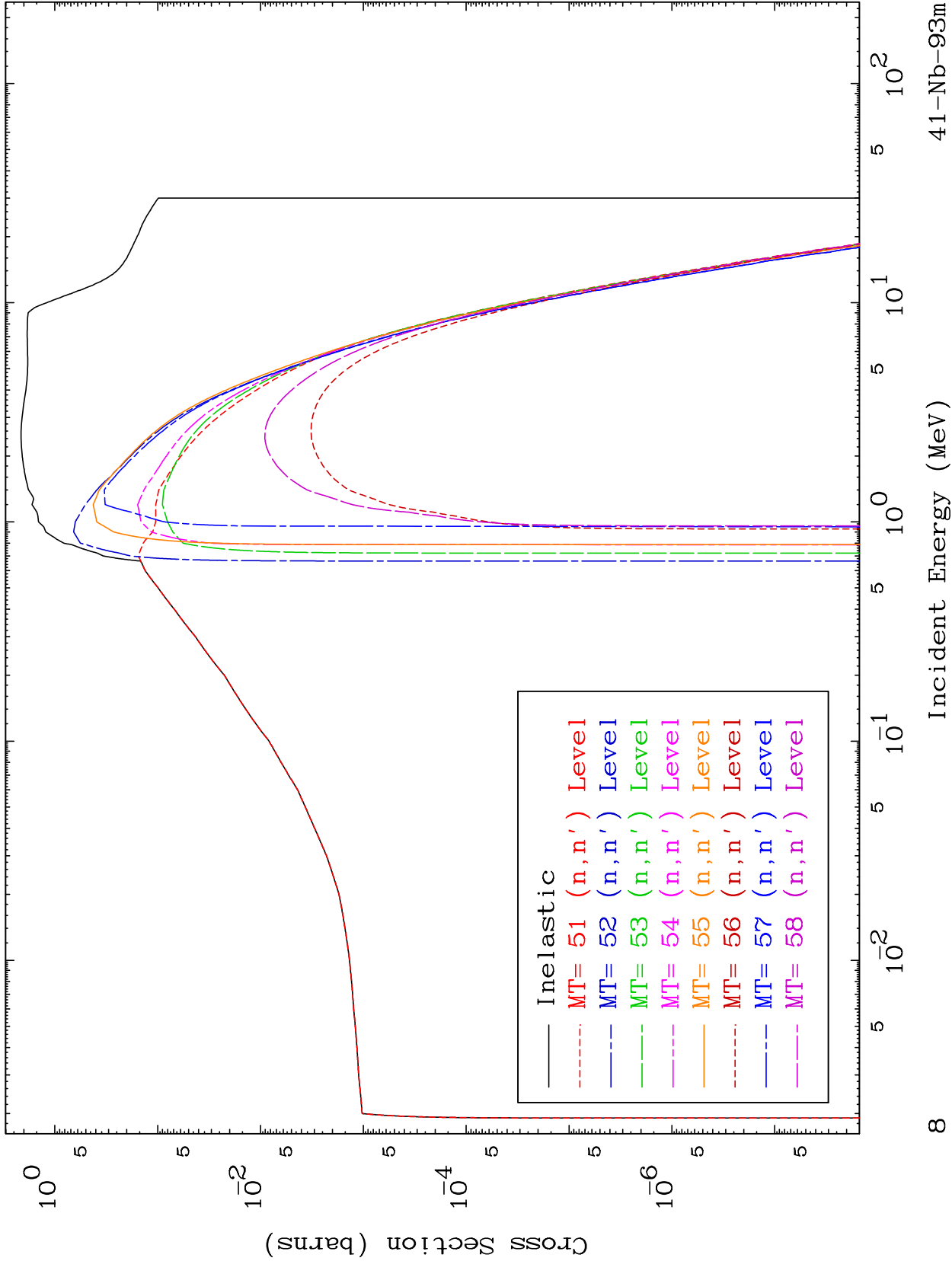
41-Nb-93m



MAT 4126

(n,n') Levels
293 Kelvin Cross Sections

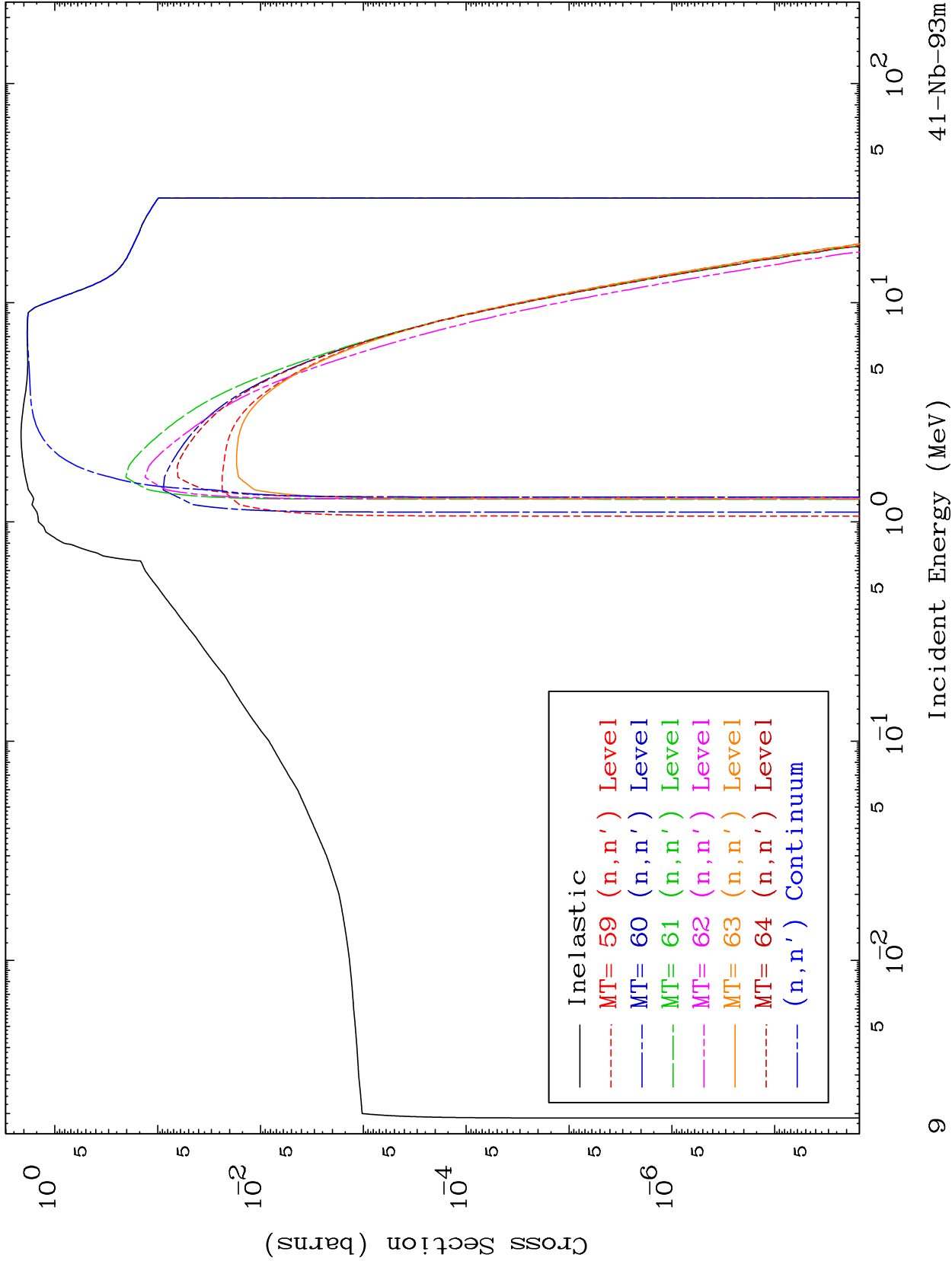
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MAT 4126

(n,n') Levels
293 Kelvin Cross Sections

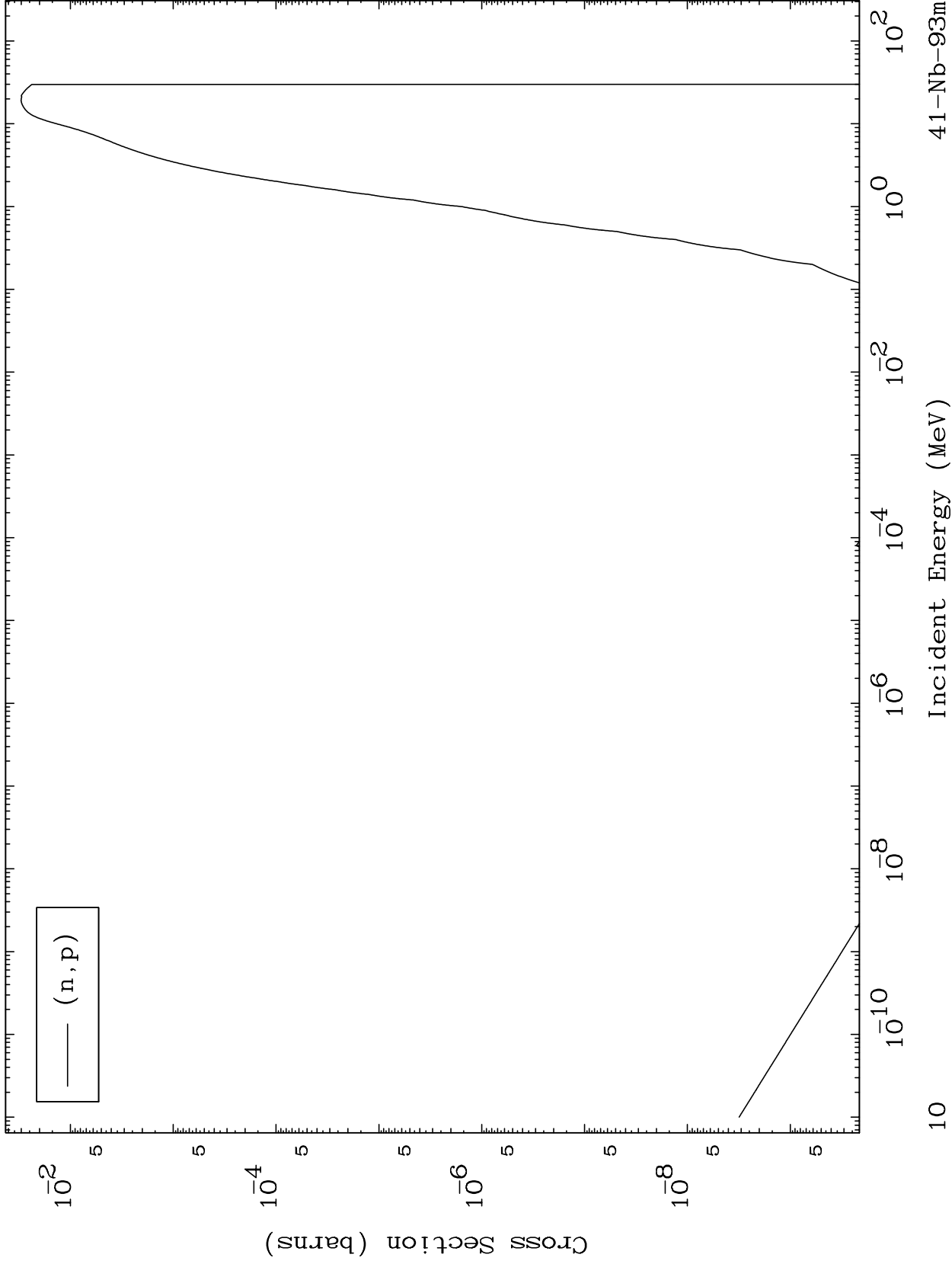
41-Nb-93m



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(n,p) Levels
293 Kelvin Cross Sections

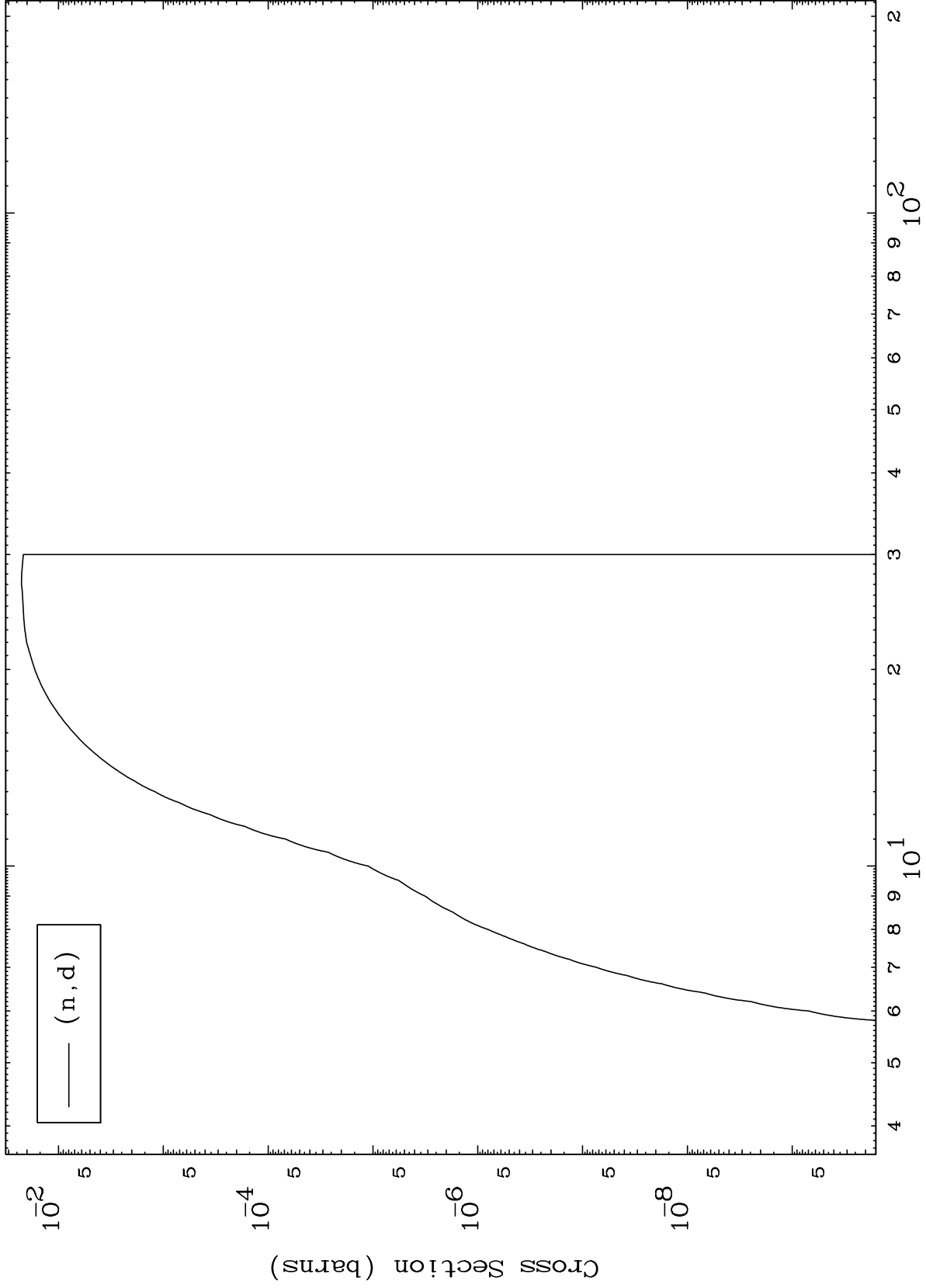
41-Nb-93m



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(n,d) Levels
293 Kelvin Cross Sections

41-Nb-93m



11

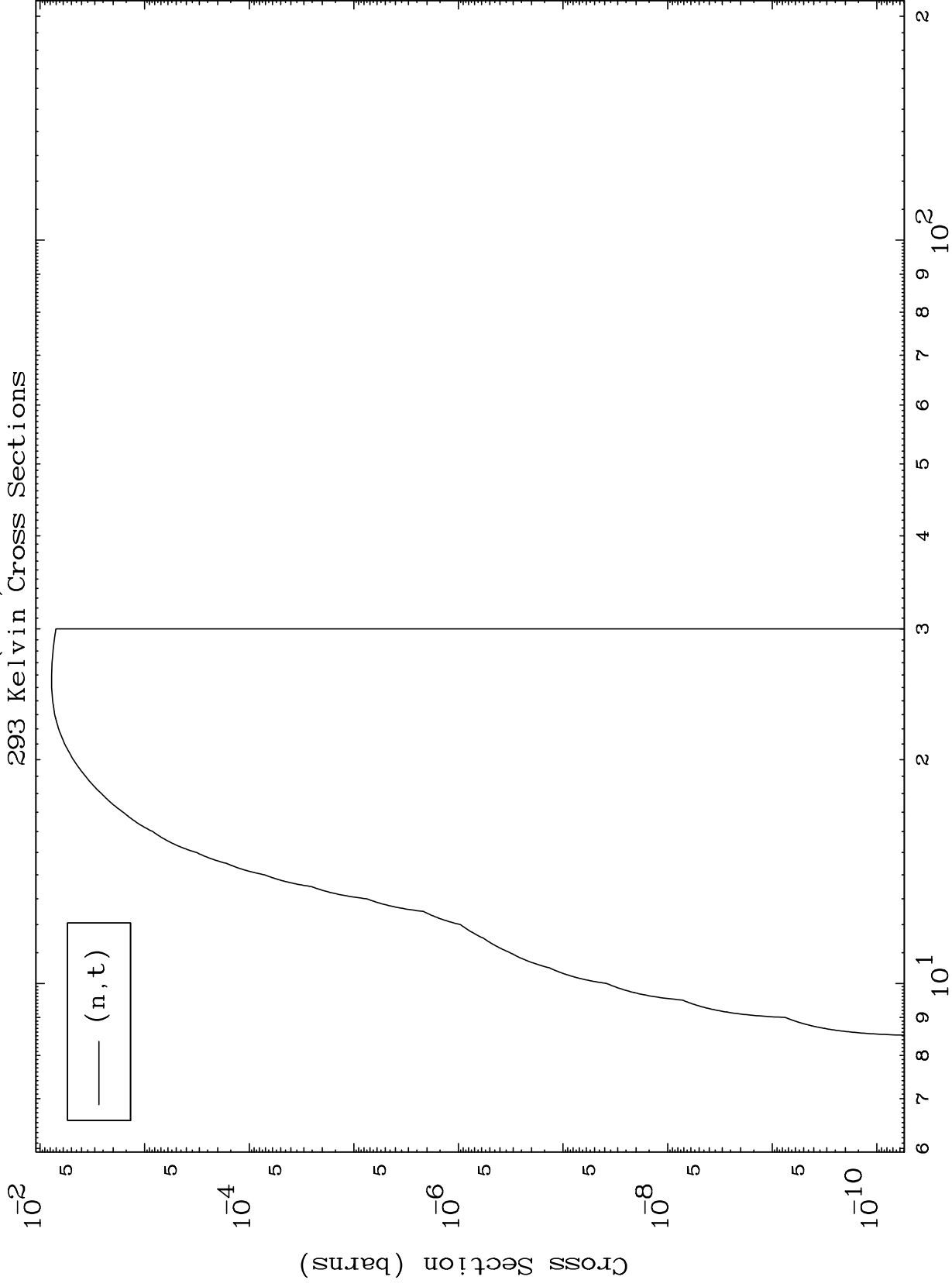
Incident Energy (MeV)

41-Nb-93m

MAT 4126

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-93m



12

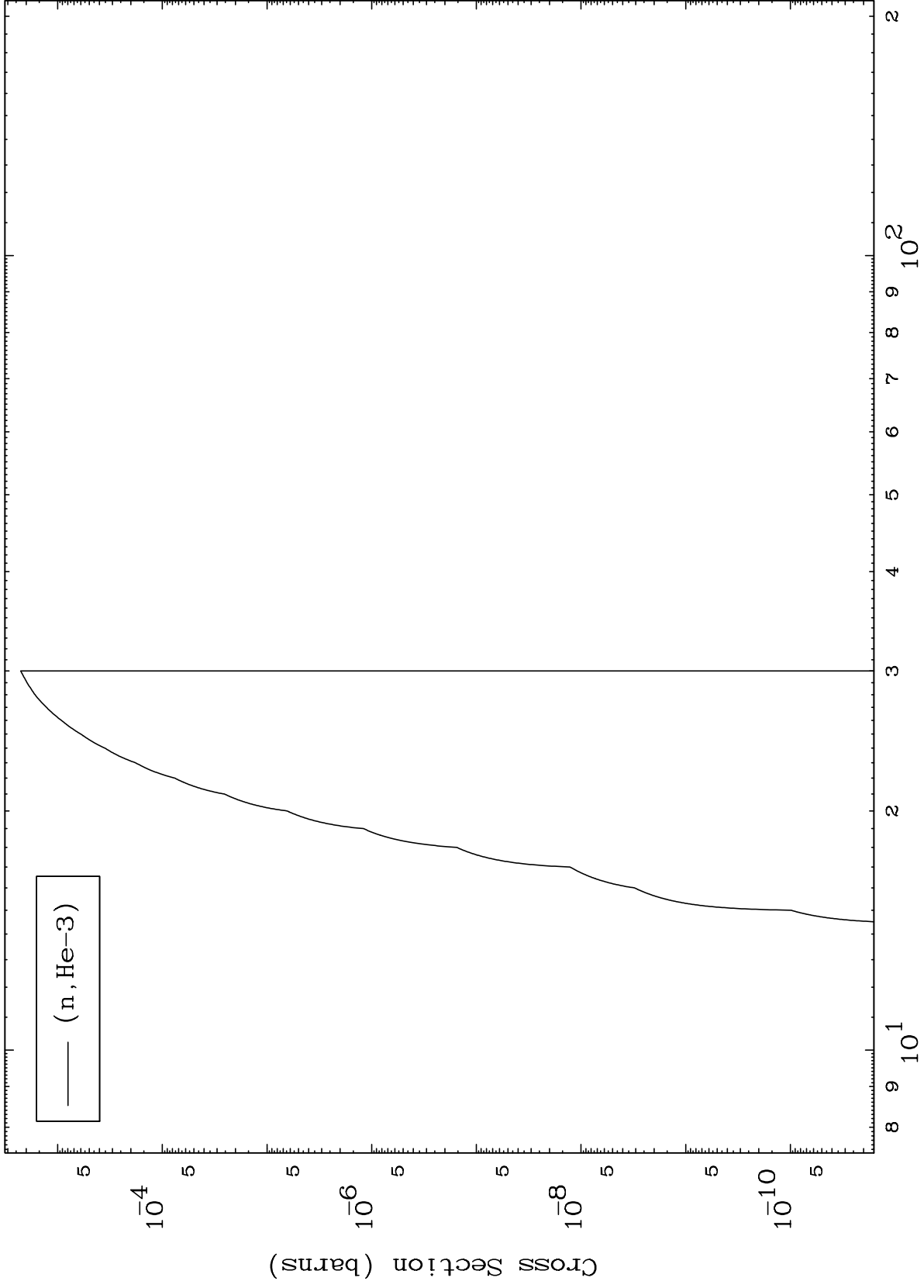
Incident Energy (MeV)

41-Nb-93m

MAT 4126

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-93m



13

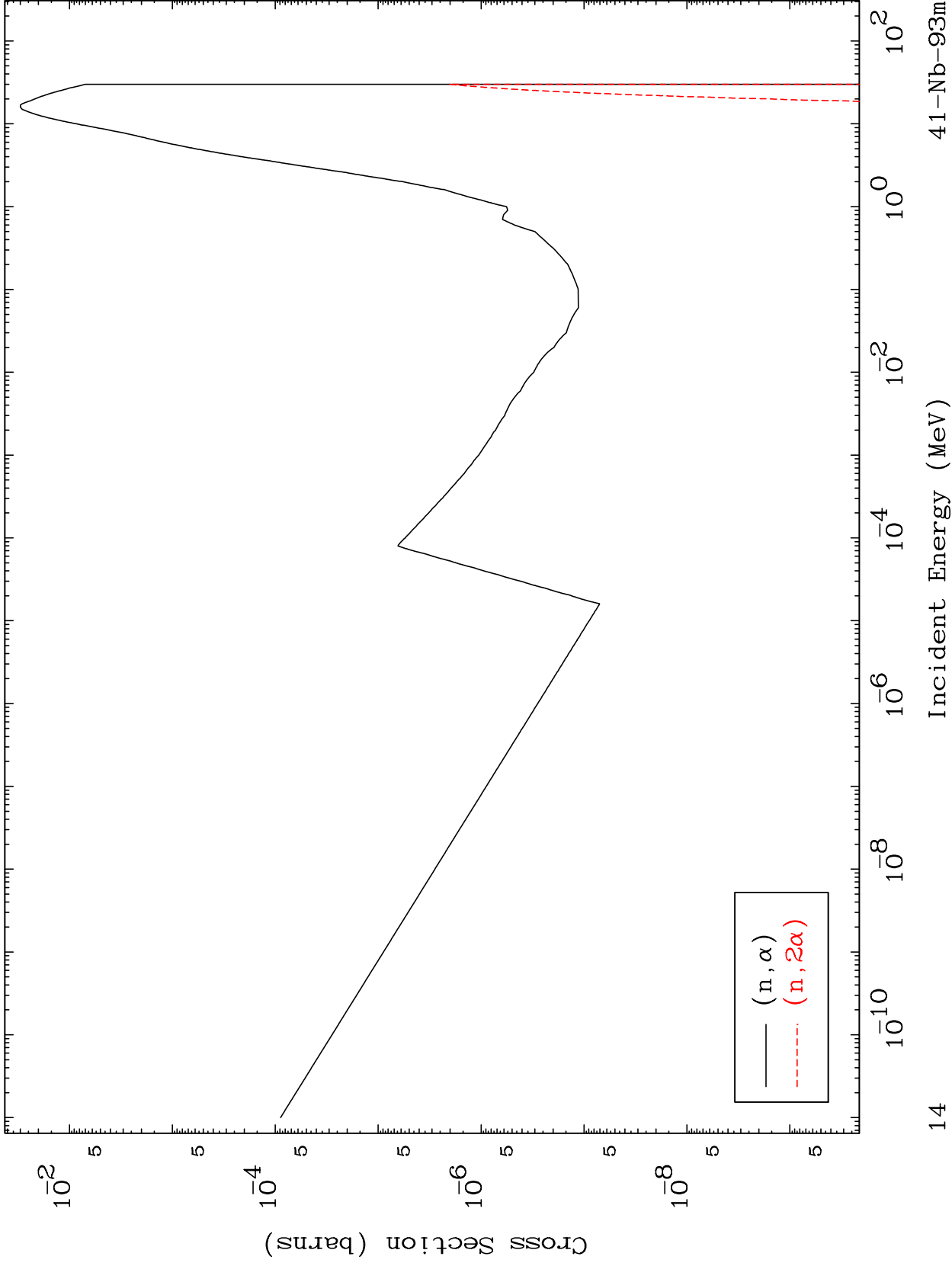
Incident Energy (MeV)

41-Nb-93m

MAT 4126

(n, α) Levels
293 Kelvin Cross Sections

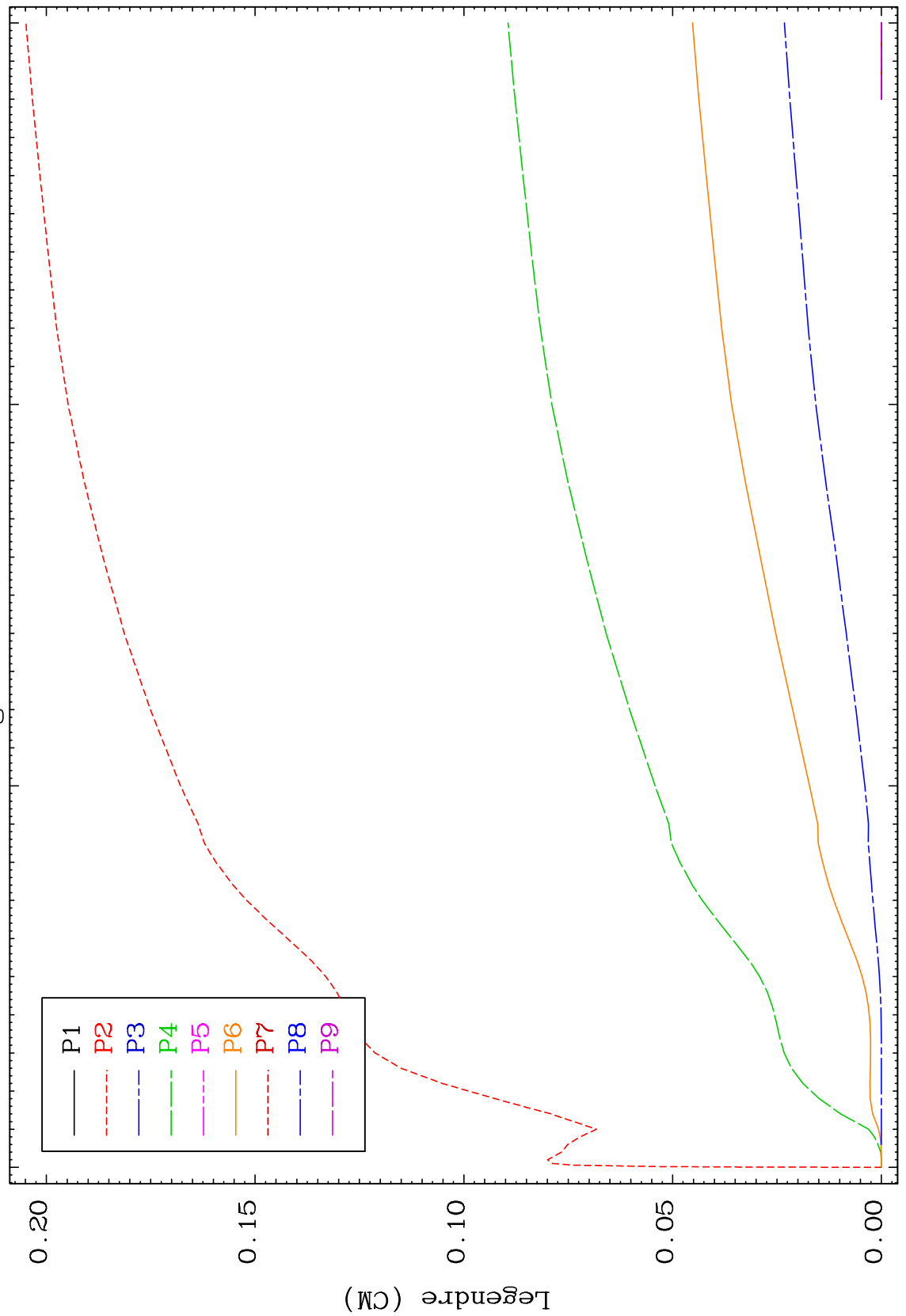
41-Nb-93m



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Elastic Legendre Coefficients

41-Nb-93m



15

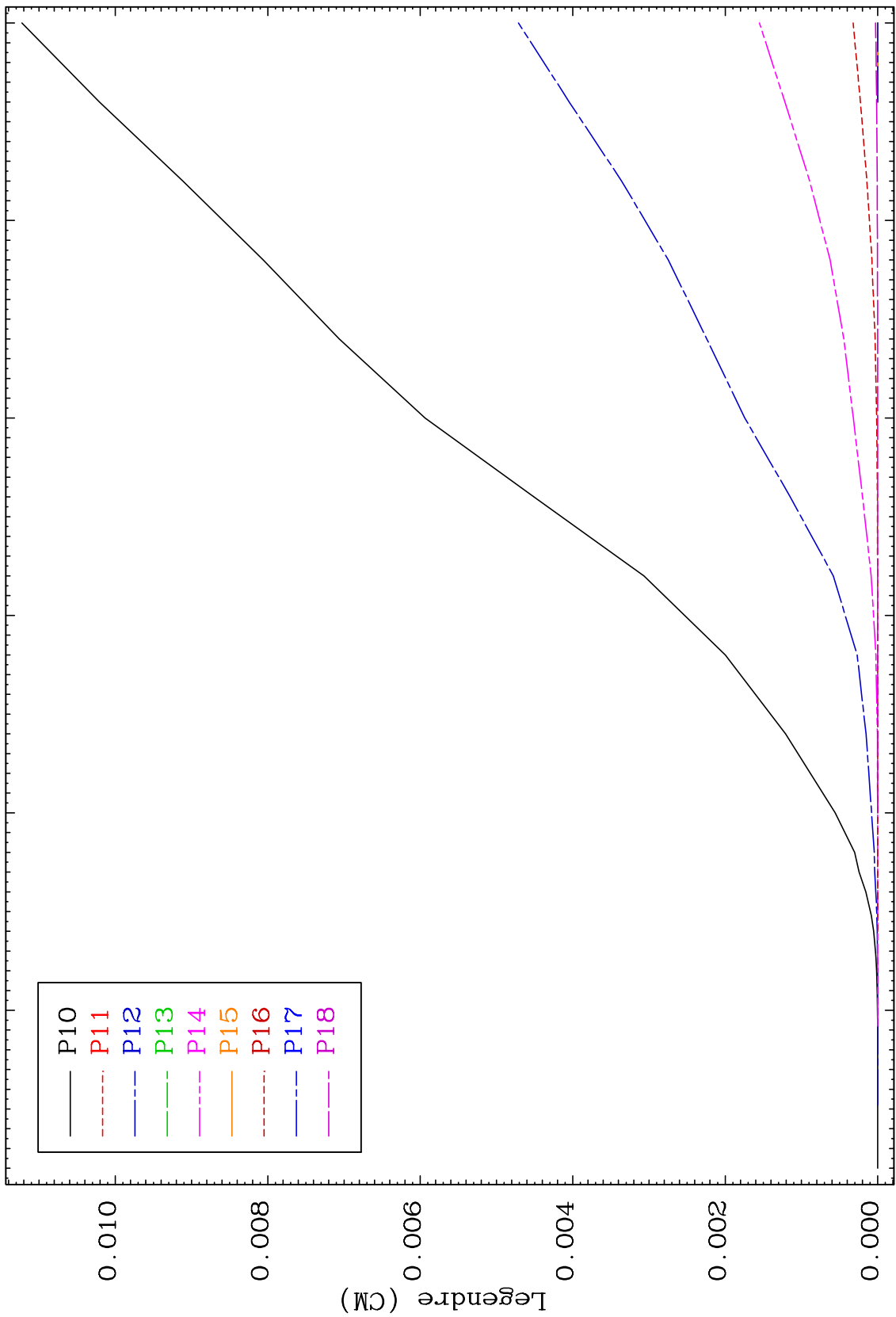
Incident Energy (MeV)

41-Nb-93m

MAT 4126

Elastic Legendre Coefficients

41-Nb-93m



16

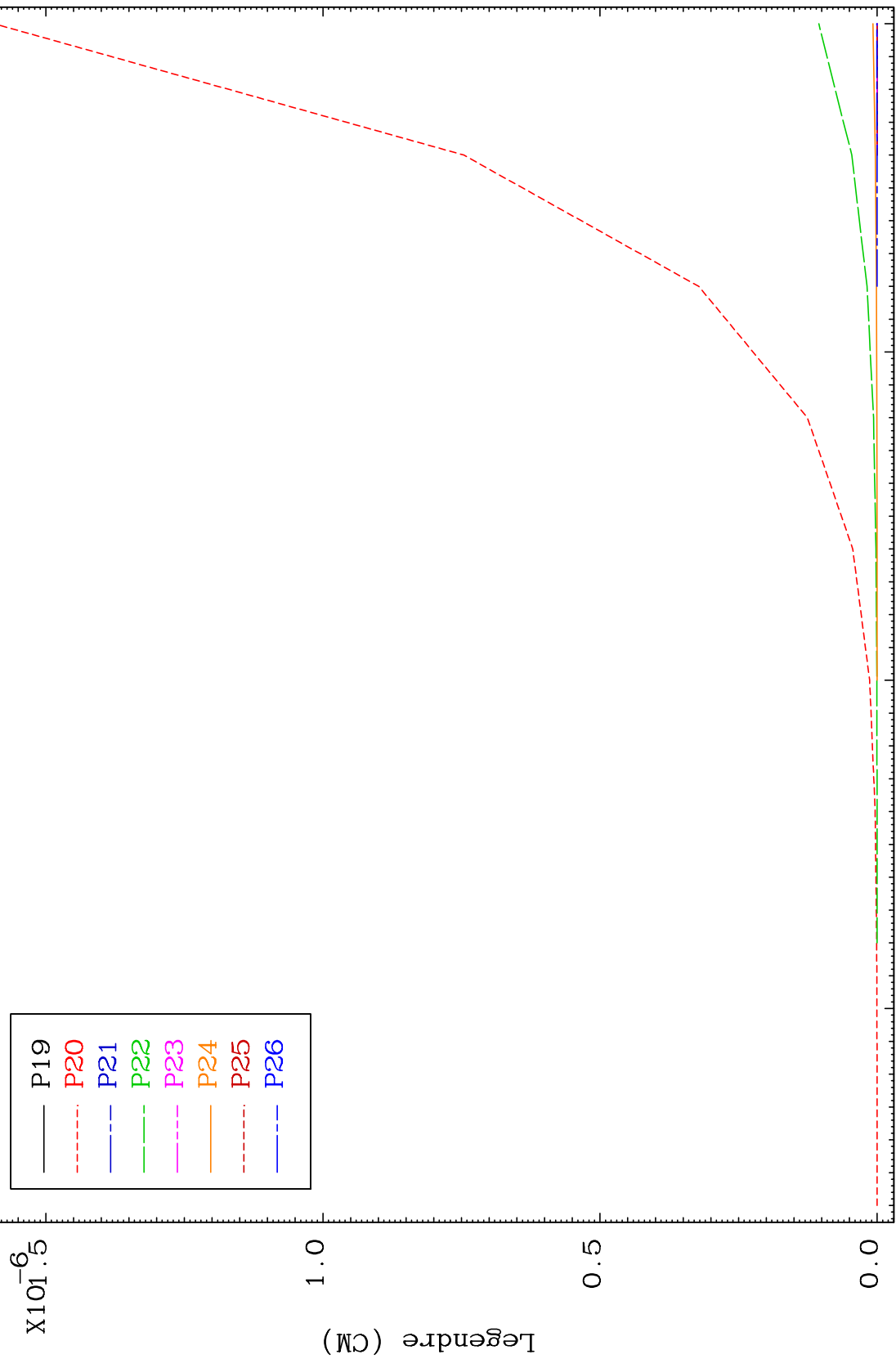
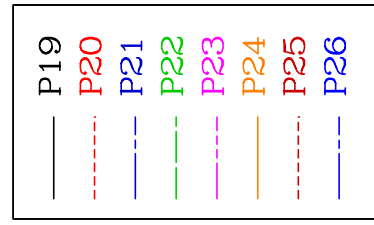
41-Nb-93m

Incident Energy (MeV)

MAT 4126

Elastic
Legendre Coefficients

41-Nb-93m



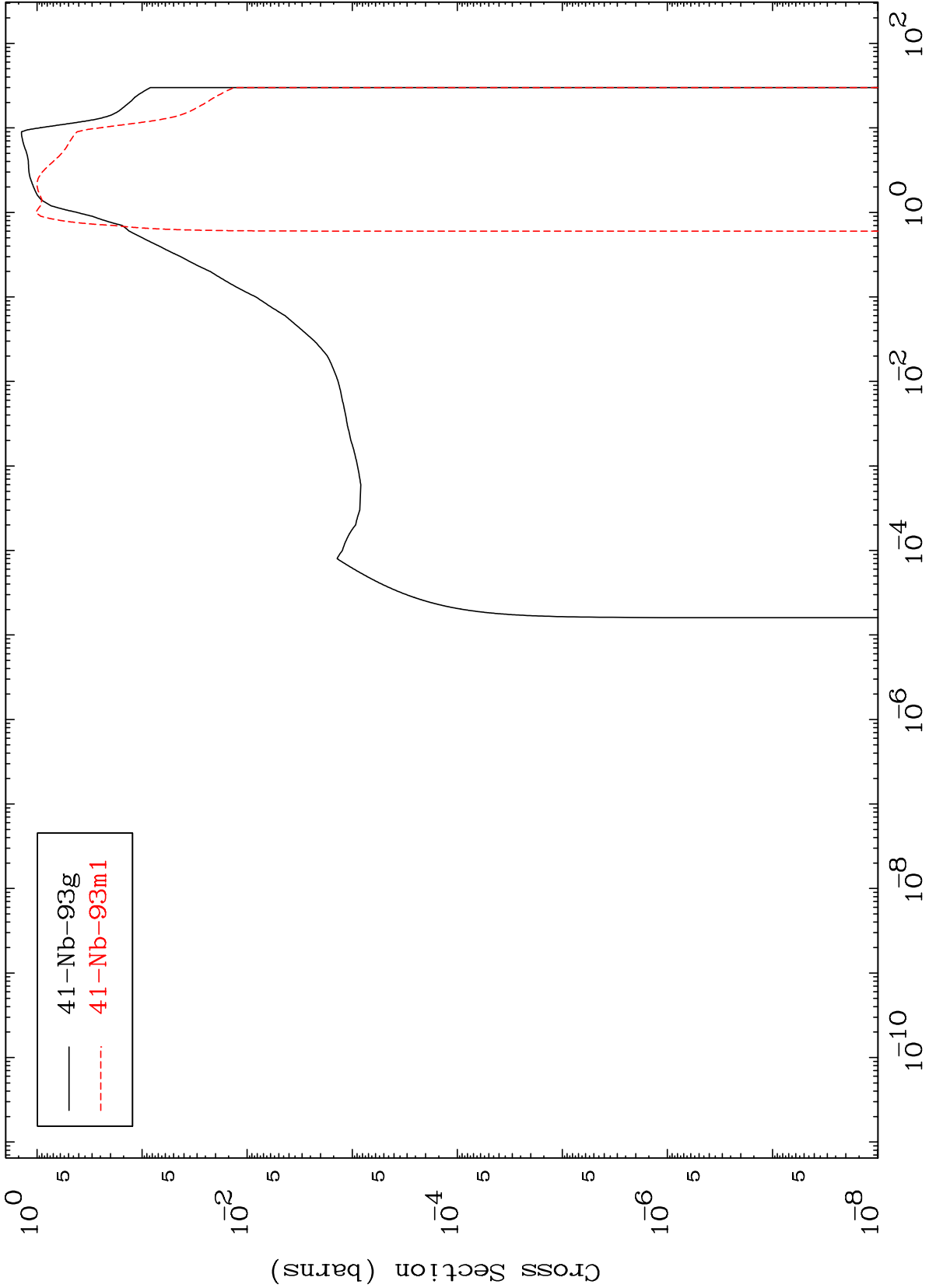
17

41-Nb-93m

MAT 4126

Inelastic
Radionuclide Production Cross Section

41-Nb-93m

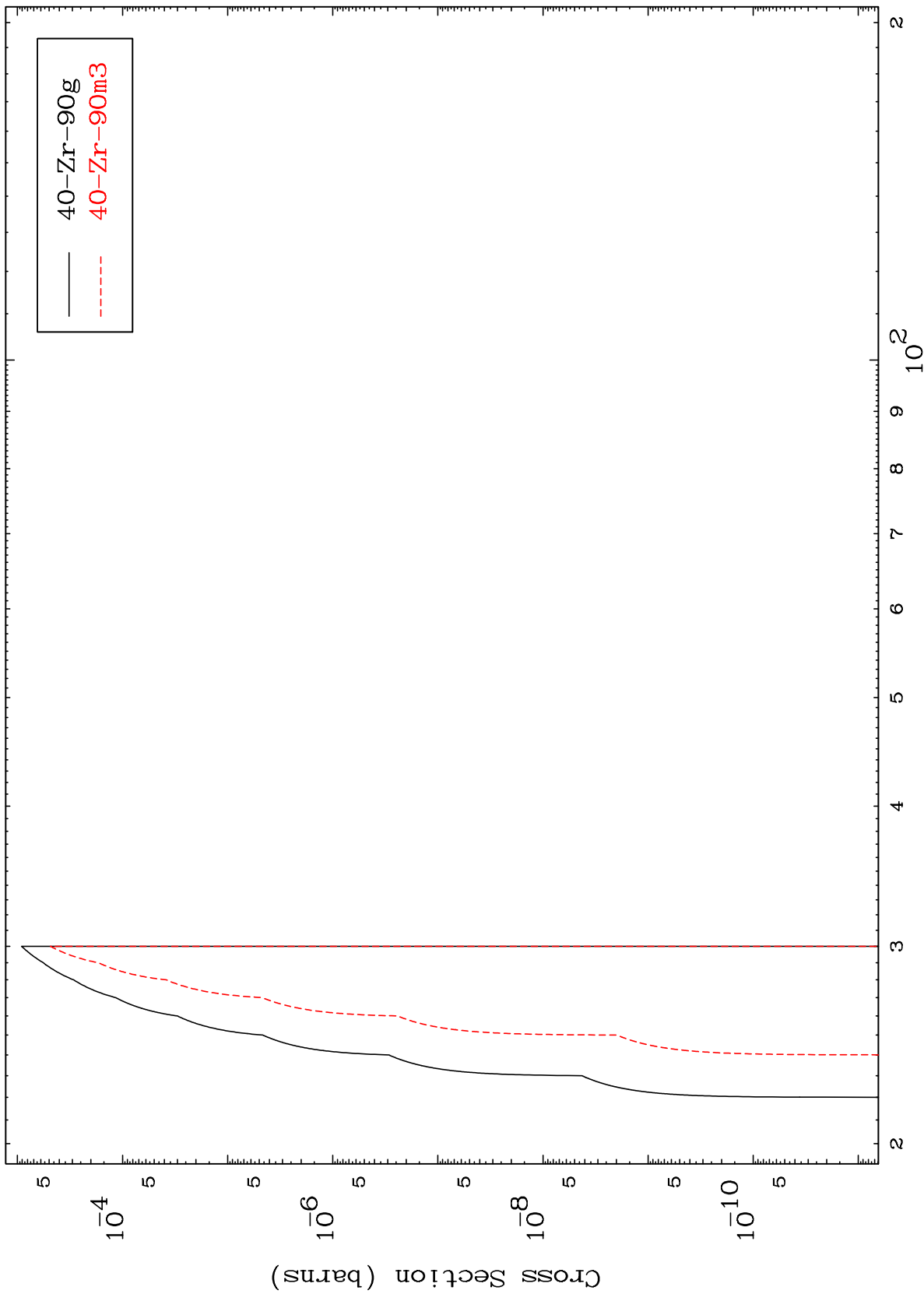


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(n,2n) d

41-Nb-93m

Radionuclide Production Cross Section



19

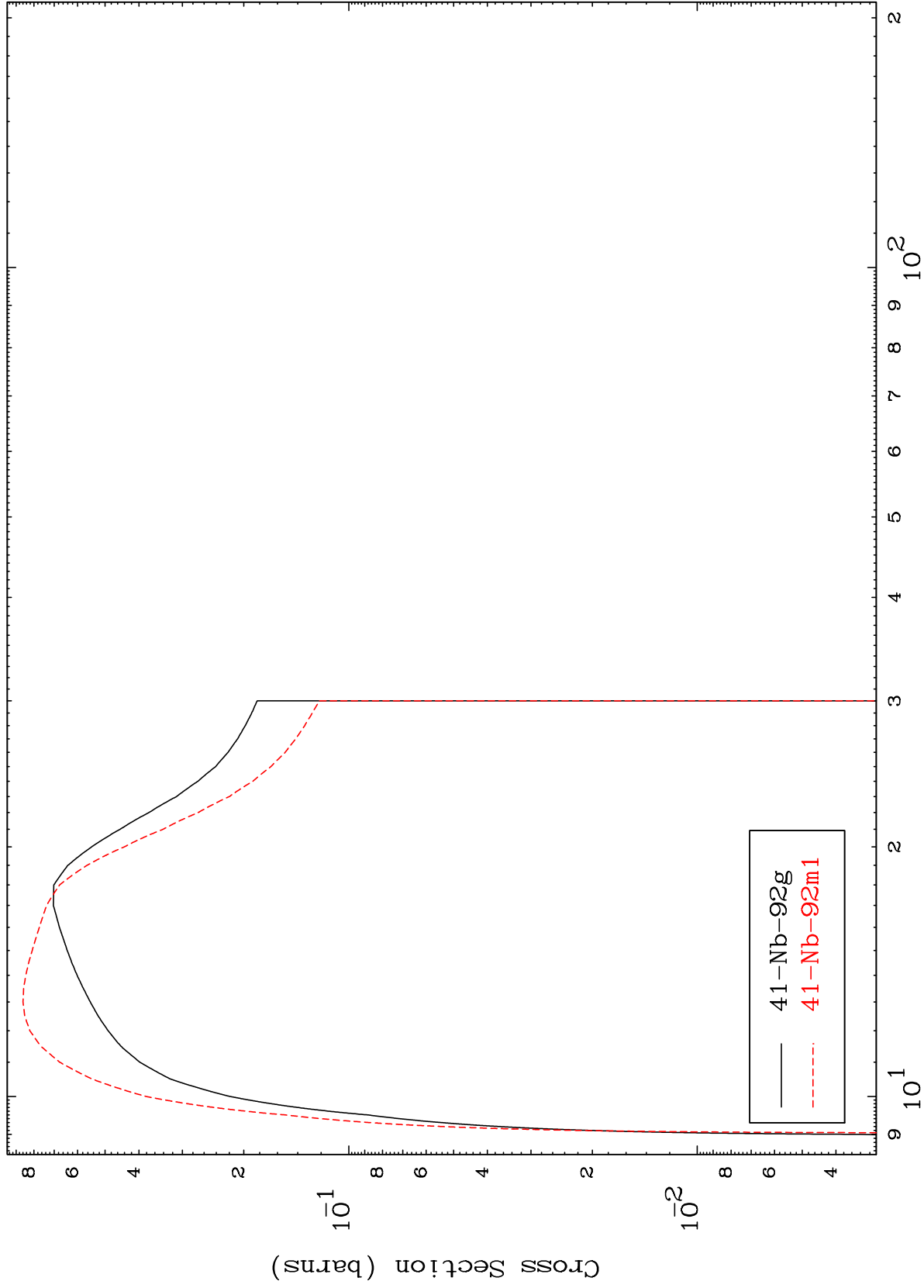
Incident Energy (MeV)

41-Nb-93m

MAT 4126

41-Nb-93m

Radionuclide Production Cross Section



41-Nb-93m

Incident Energy (MeV)

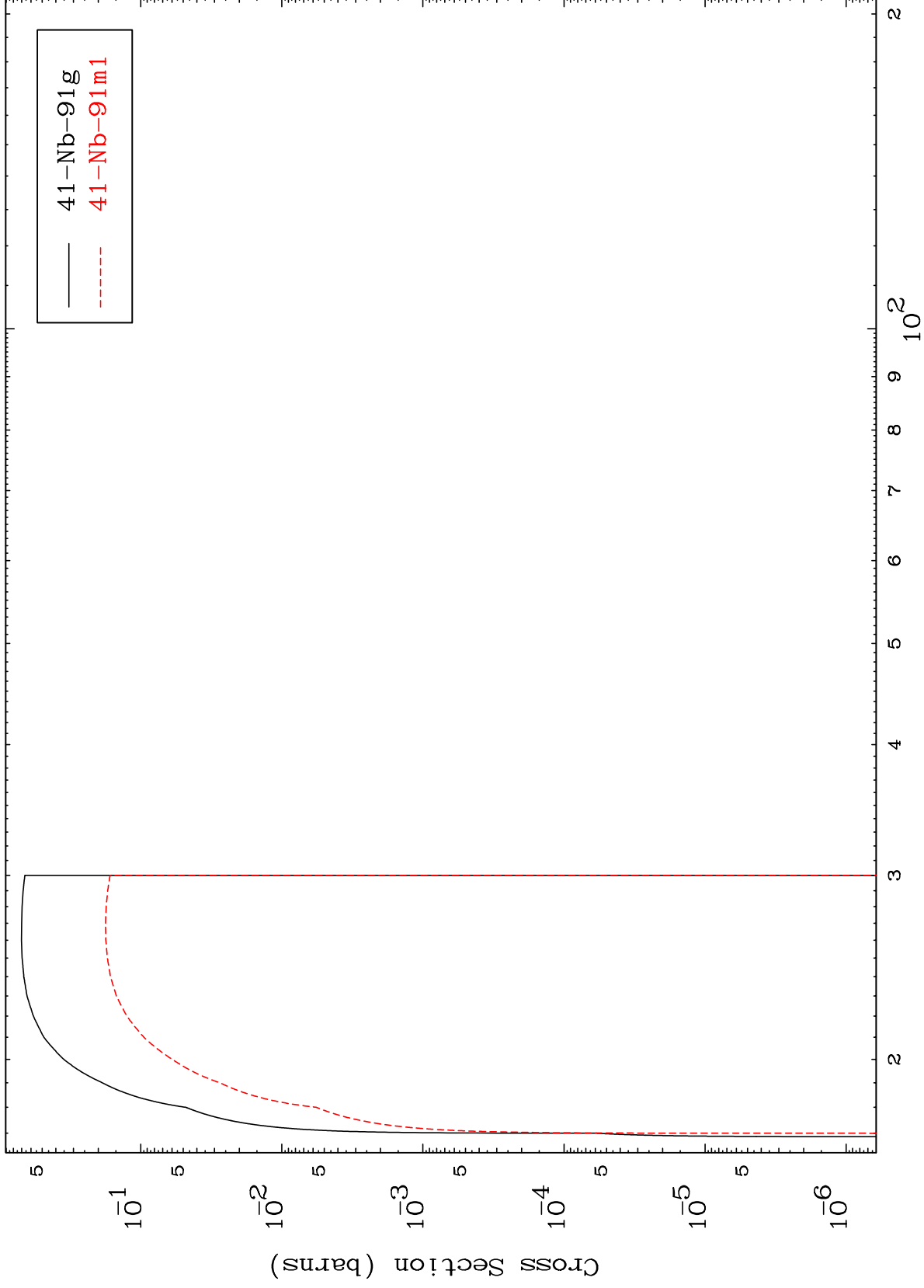
20

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(n,3n)

41-Nb-93m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

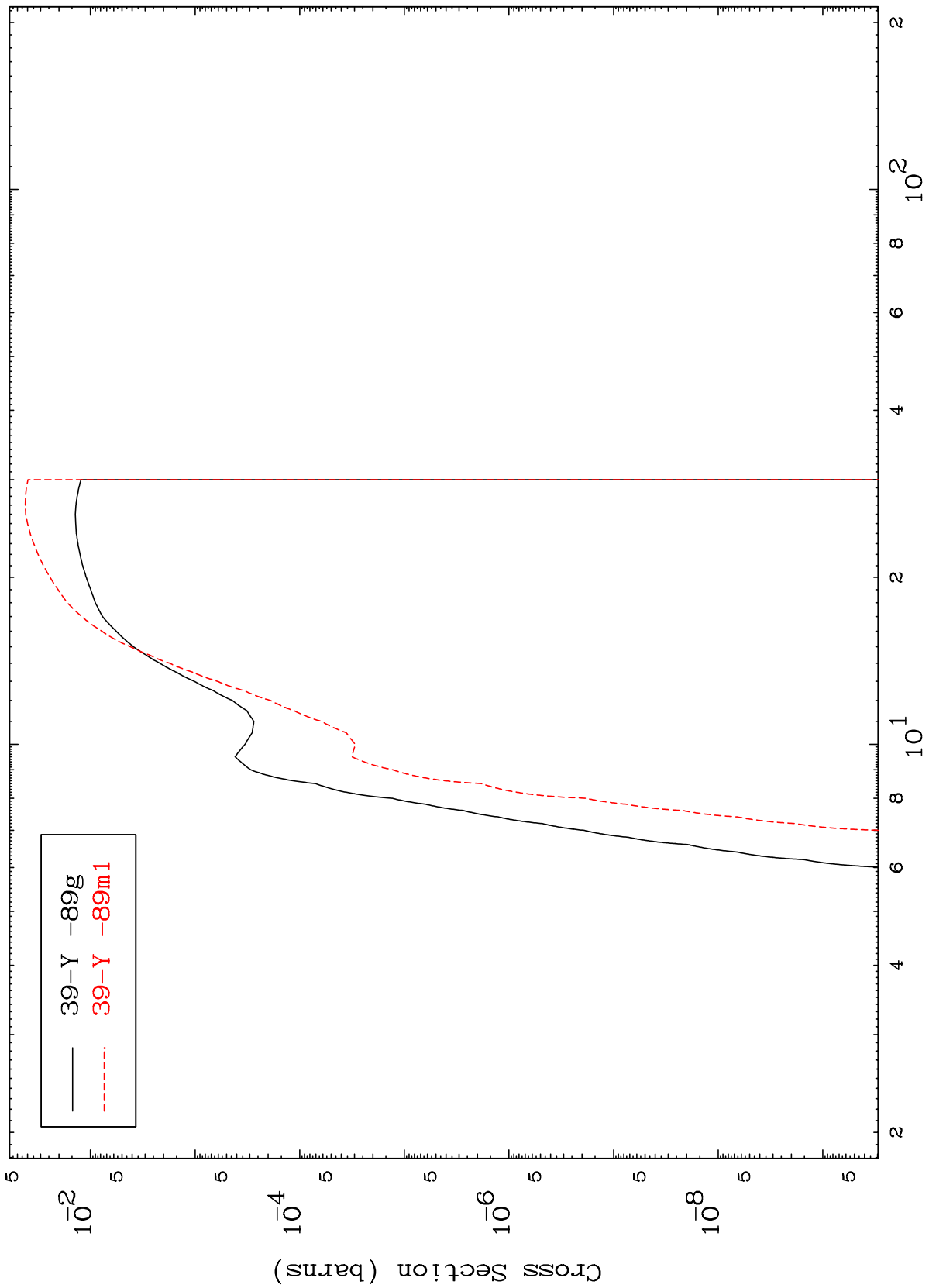
41-Nb-93m

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41-Nb-93m

(n,n') α

Radionuclide Production Cross Section



22

Incident Energy (MeV)

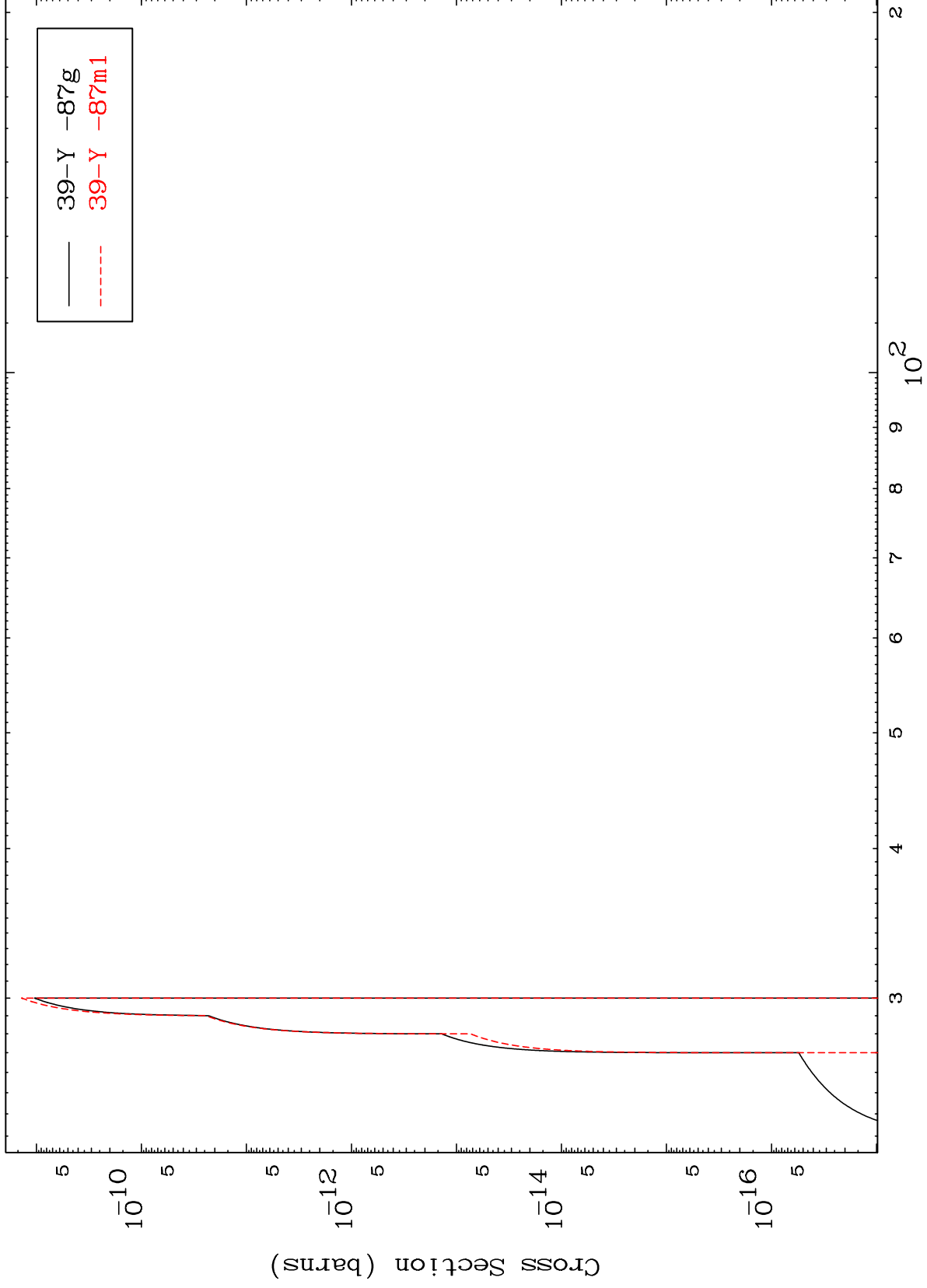
41-Nb-93m

MAT 4126

(n,3n) α

41-Nb-93m

Radionuclide Production Cross Section



23

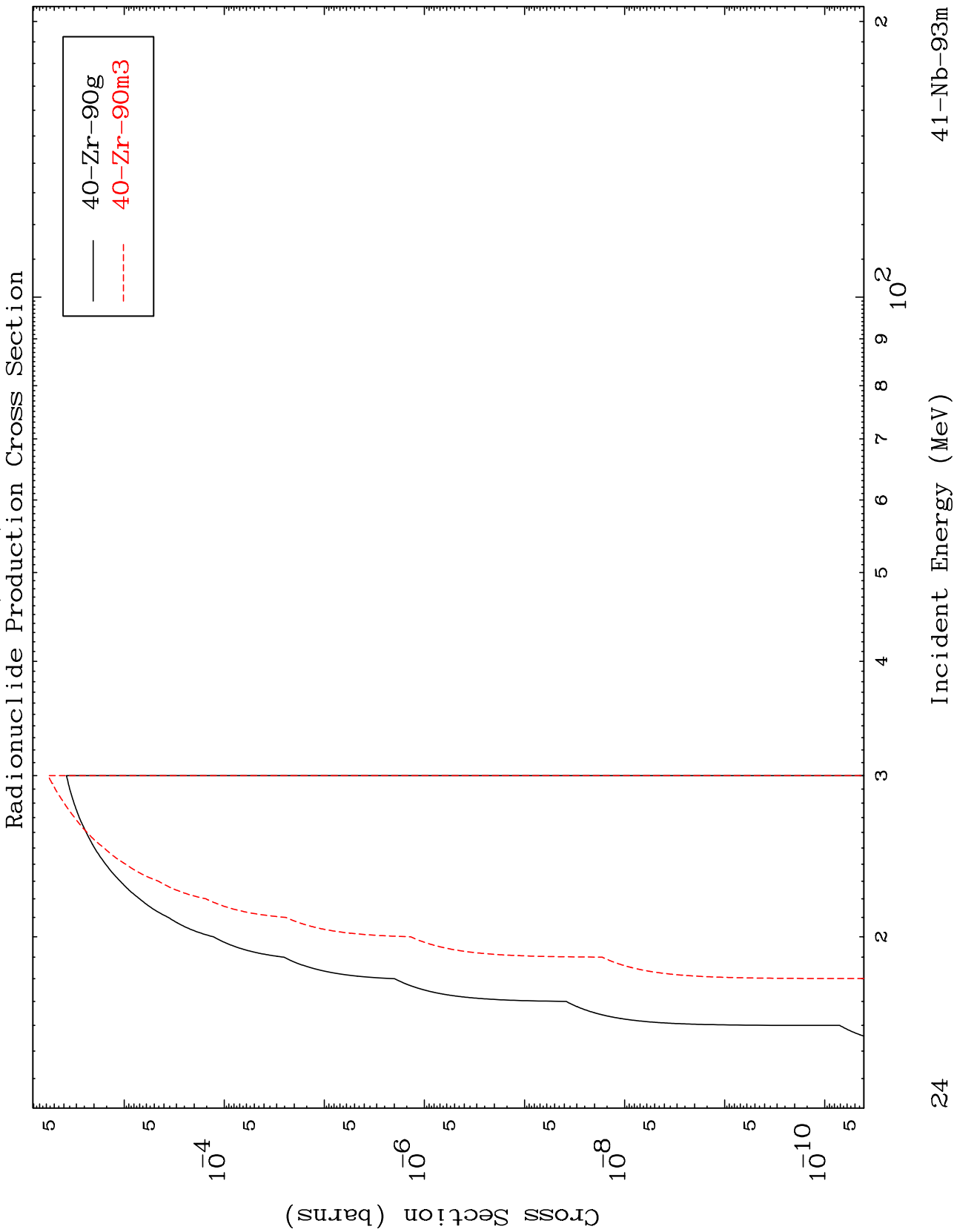
Incident Energy (MeV)

41-Nb-93m

MAT 4126

(n,n') t

41-Nb-93m



24

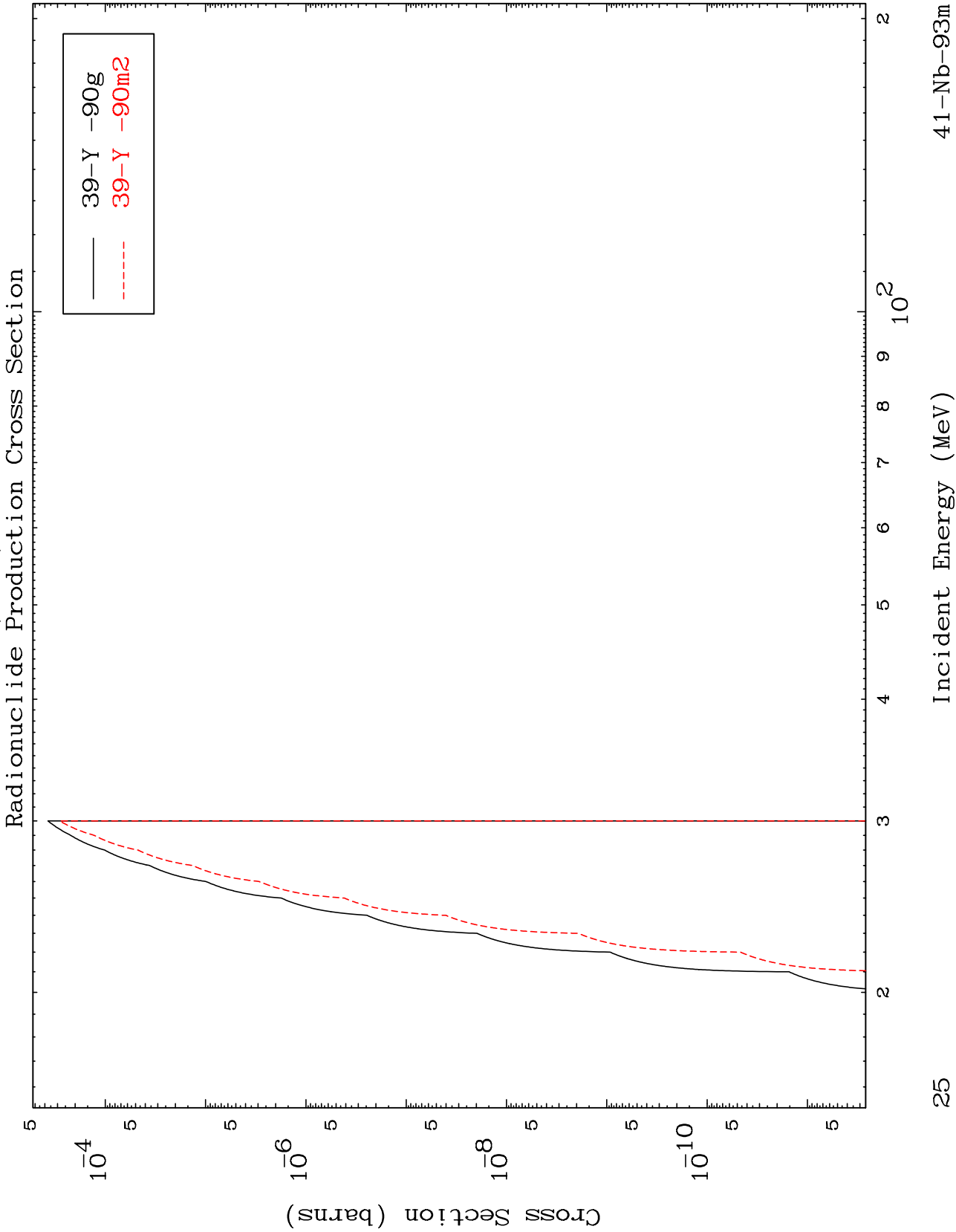
Incident Energy (MeV)

41-Nb-93m

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(n,n') He-3

41-Nb-93m



25

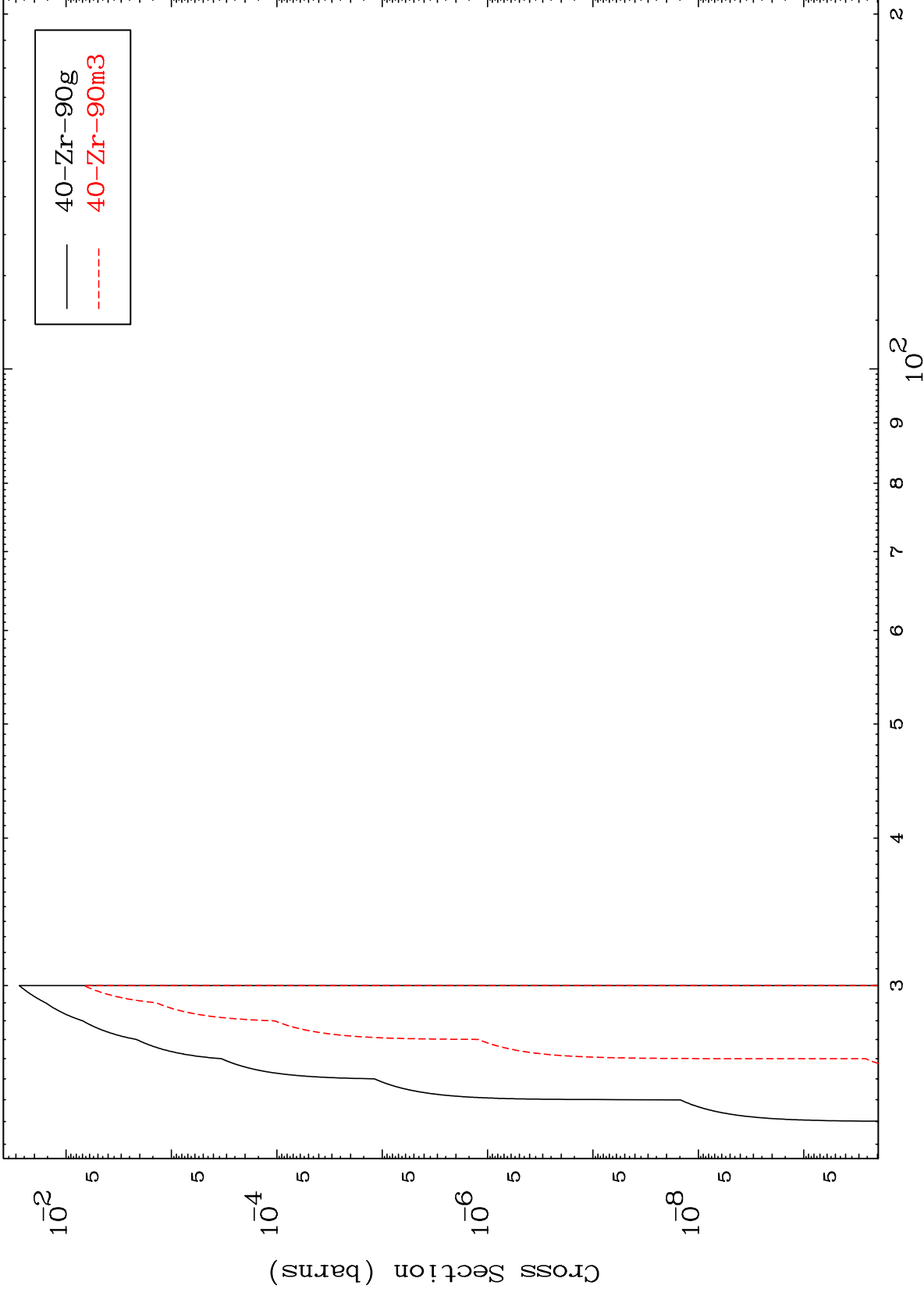
41-Nb-93m

MAT 4126

(n,3n) p

41-Nb-93m

Radionuclide Production Cross Section



26

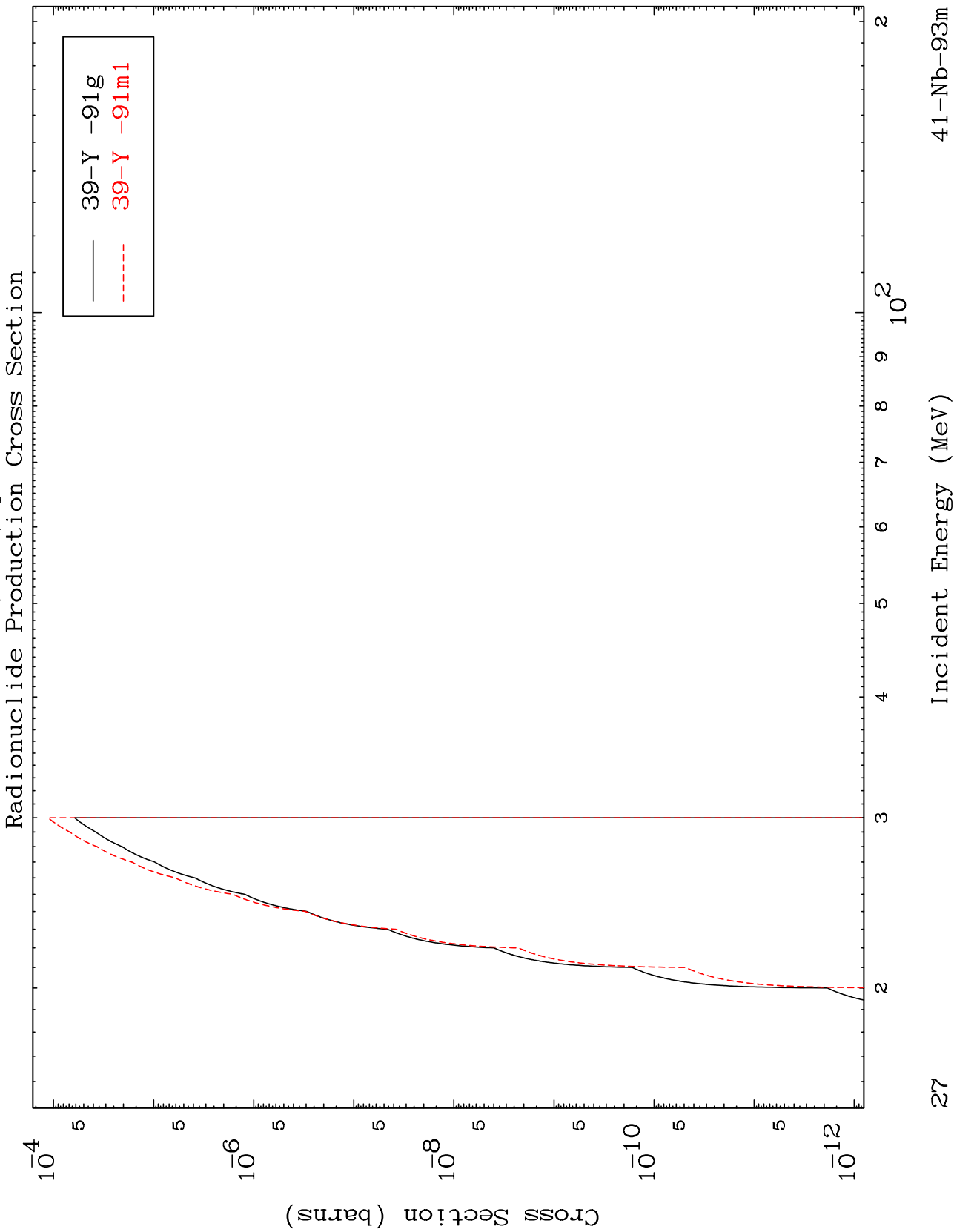
Incident Energy (MeV)

41-Nb-93m

MAT 4126

(n,2n) p

41-Nb-93m



27

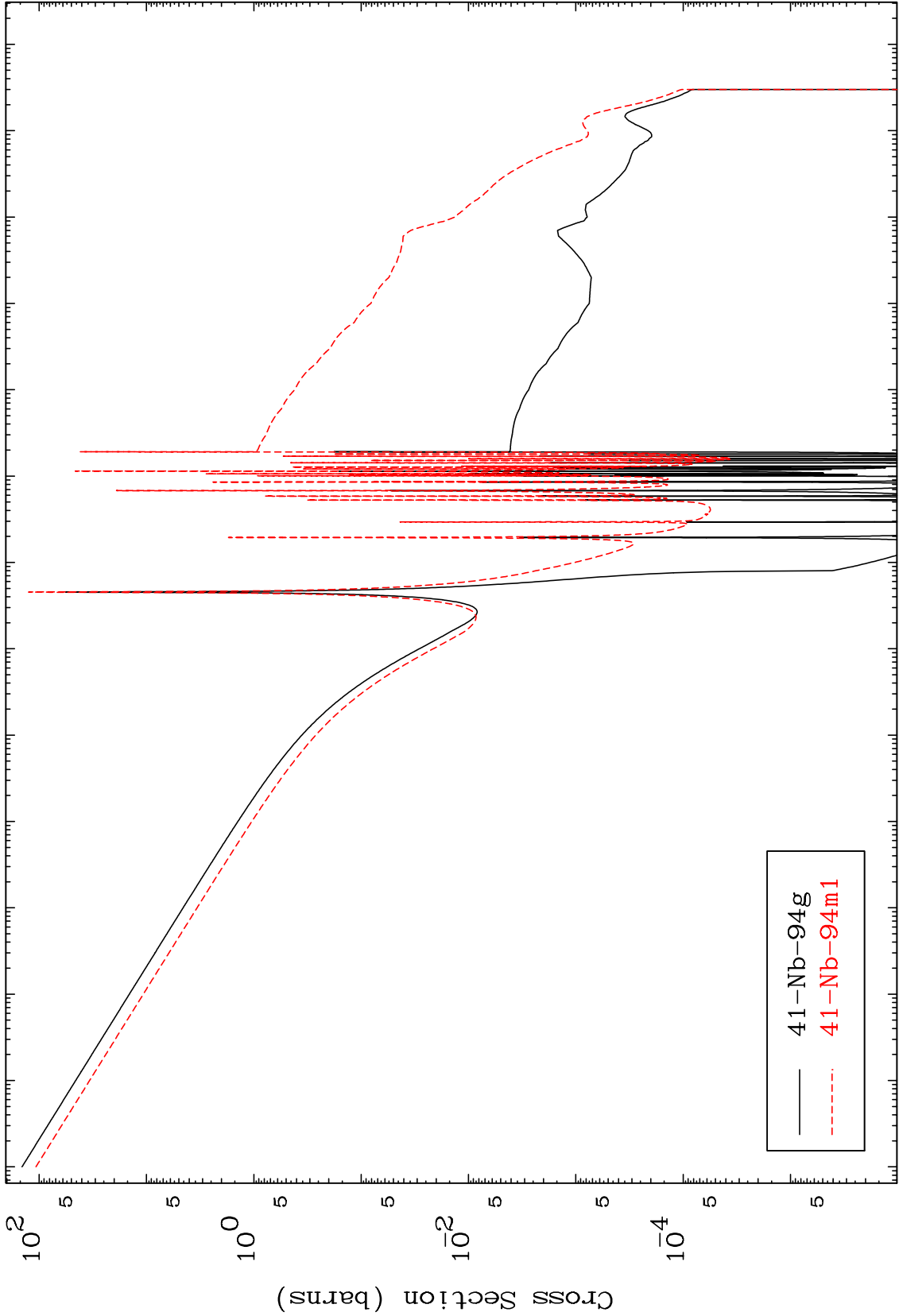
41-Nb-93m

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41-Nb-93m

Radionuclide Production Cross Section

(n, γ)



41-Nb-93m

10²

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

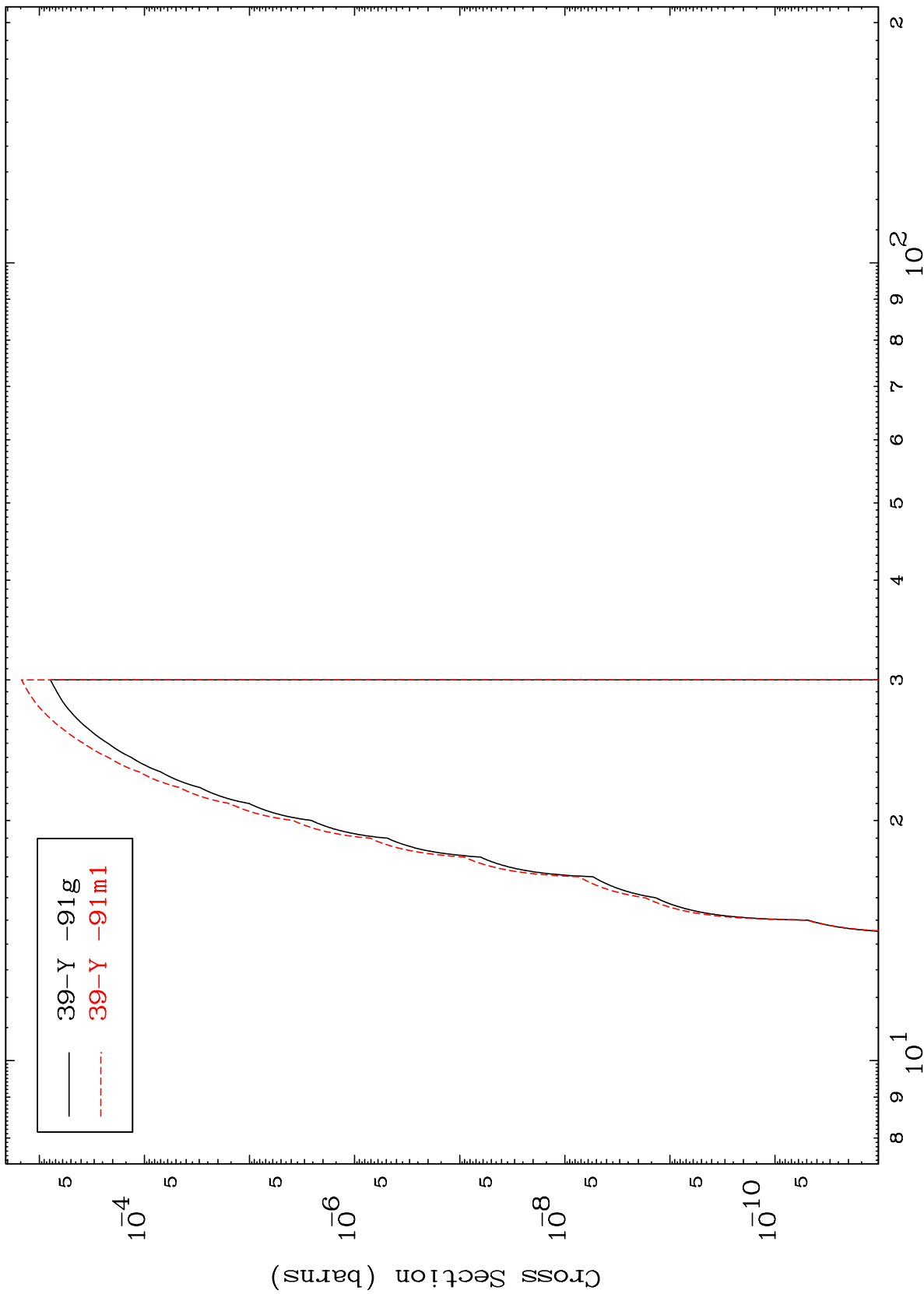
Incident Energy (MeV)

41-Nb-93m

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41-Nb-93m

(n,He-3)
Radionuclide Production Cross Section



29

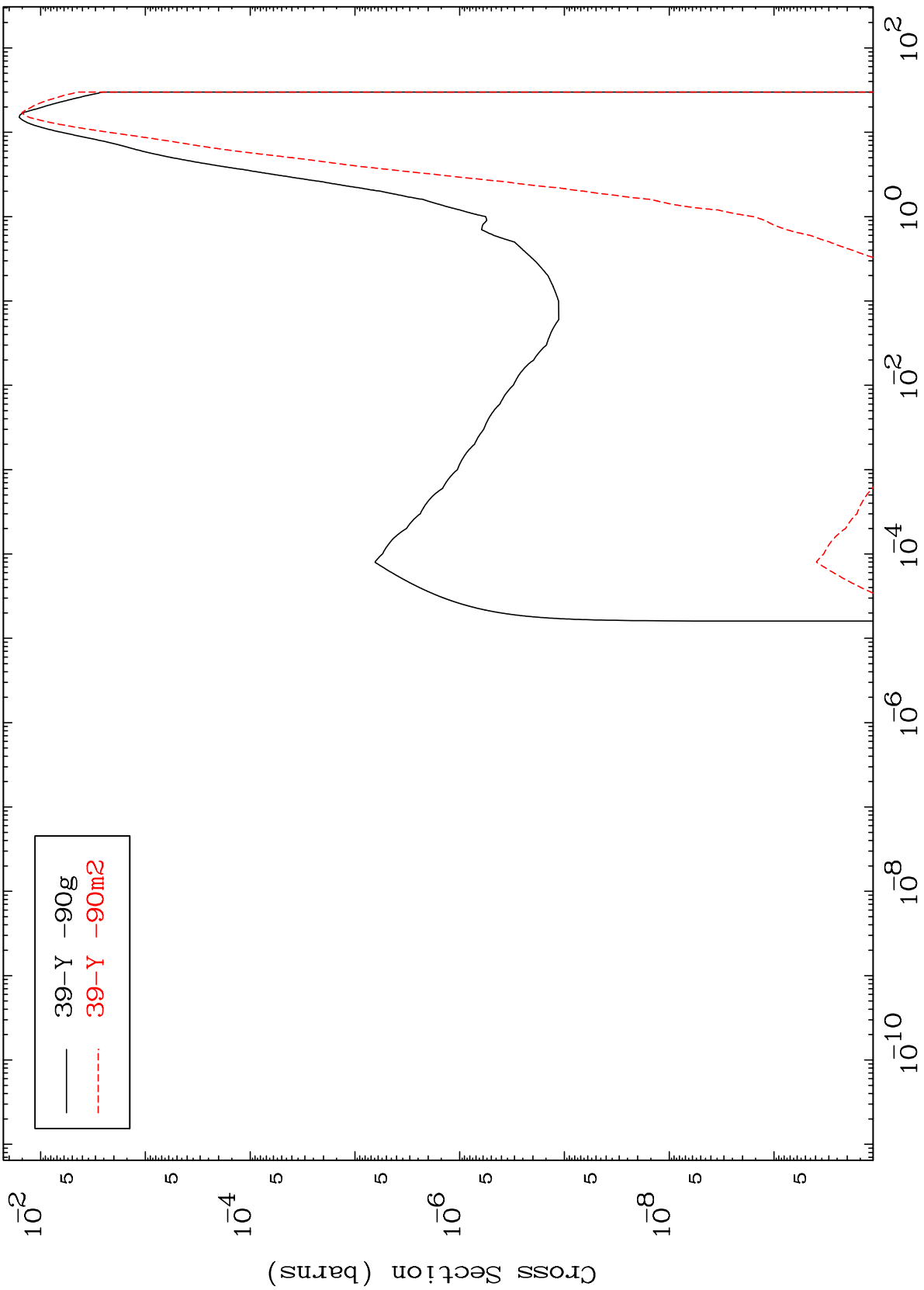
Incident Energy (MeV)

41-Nb-93m

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41-Nb-93m

Radionuclide Production Cross Section
(n, α)



30

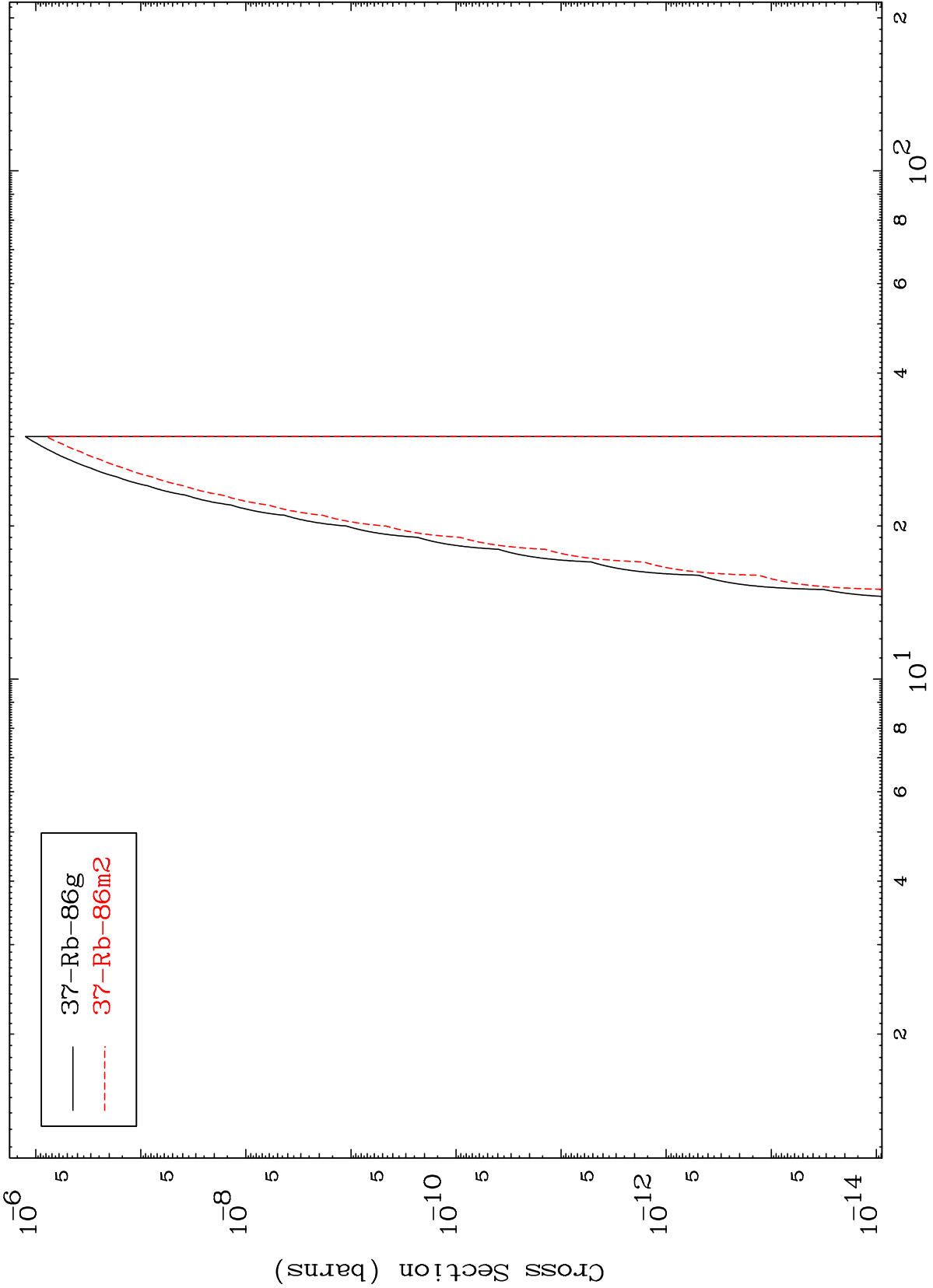
41-Nb-93m

MAT 4126

(n,2α)

41-Nb-93m

Radionuclide Production Cross Section

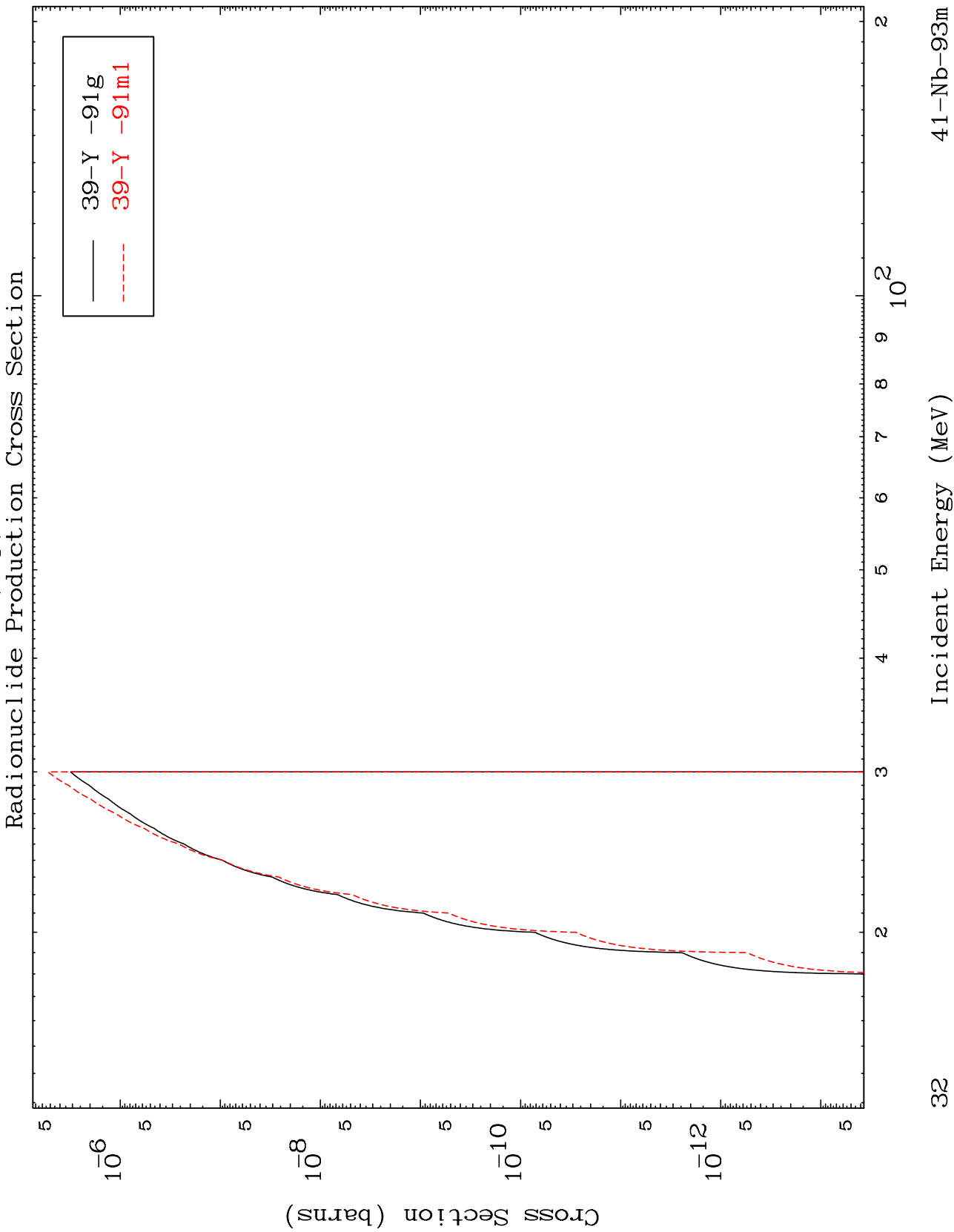


— 37-Rb-86g
- - - 37-Rb-86m2

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(n,p) d

41-Nb-93m



32

Incident Energy (MeV)

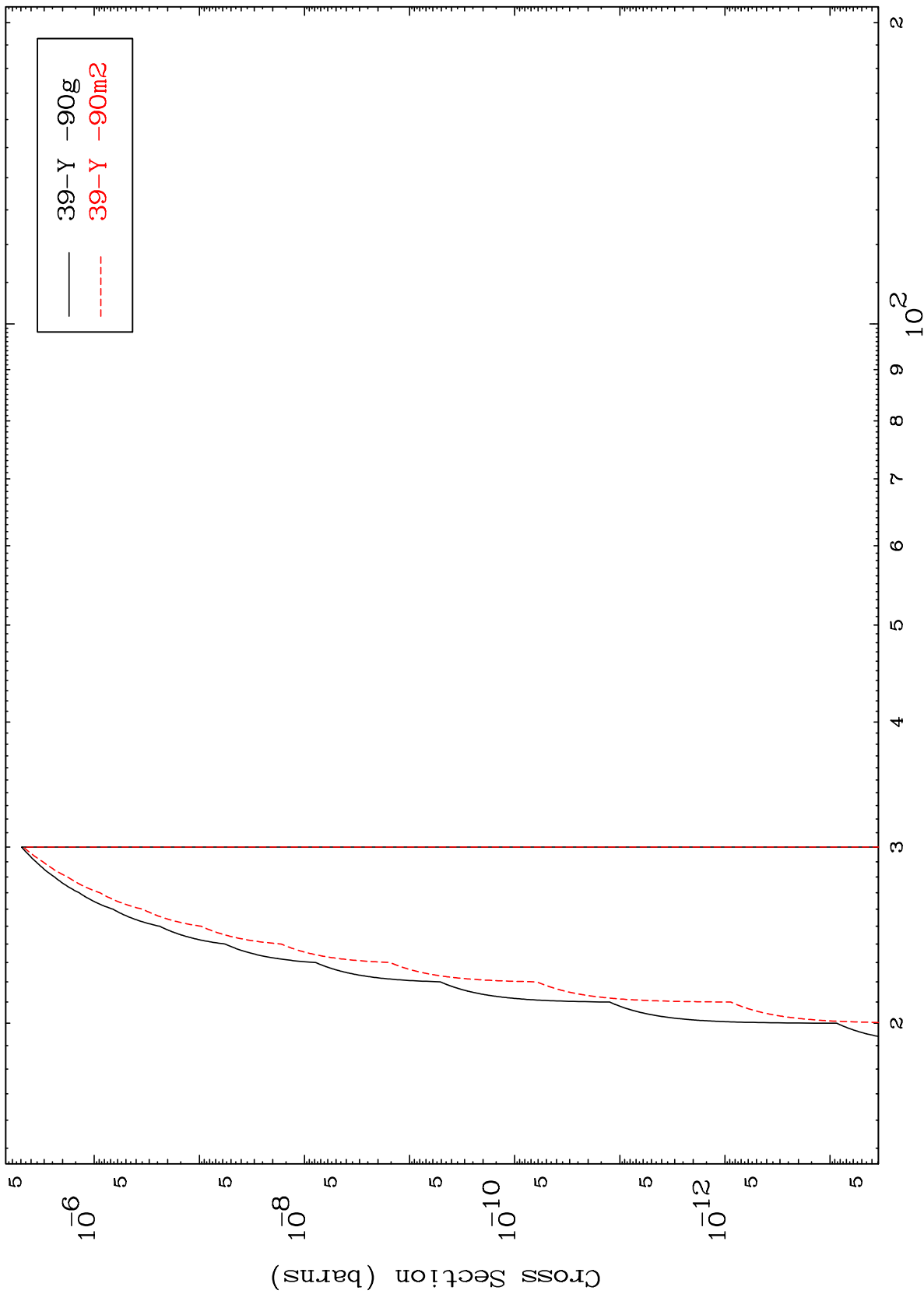
41-Nb-93m

MAT 4126

(n,p) t

41-Nb-93m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

41-Nb-93m