

Program EVALPLOT
(Version 2021-1)

by

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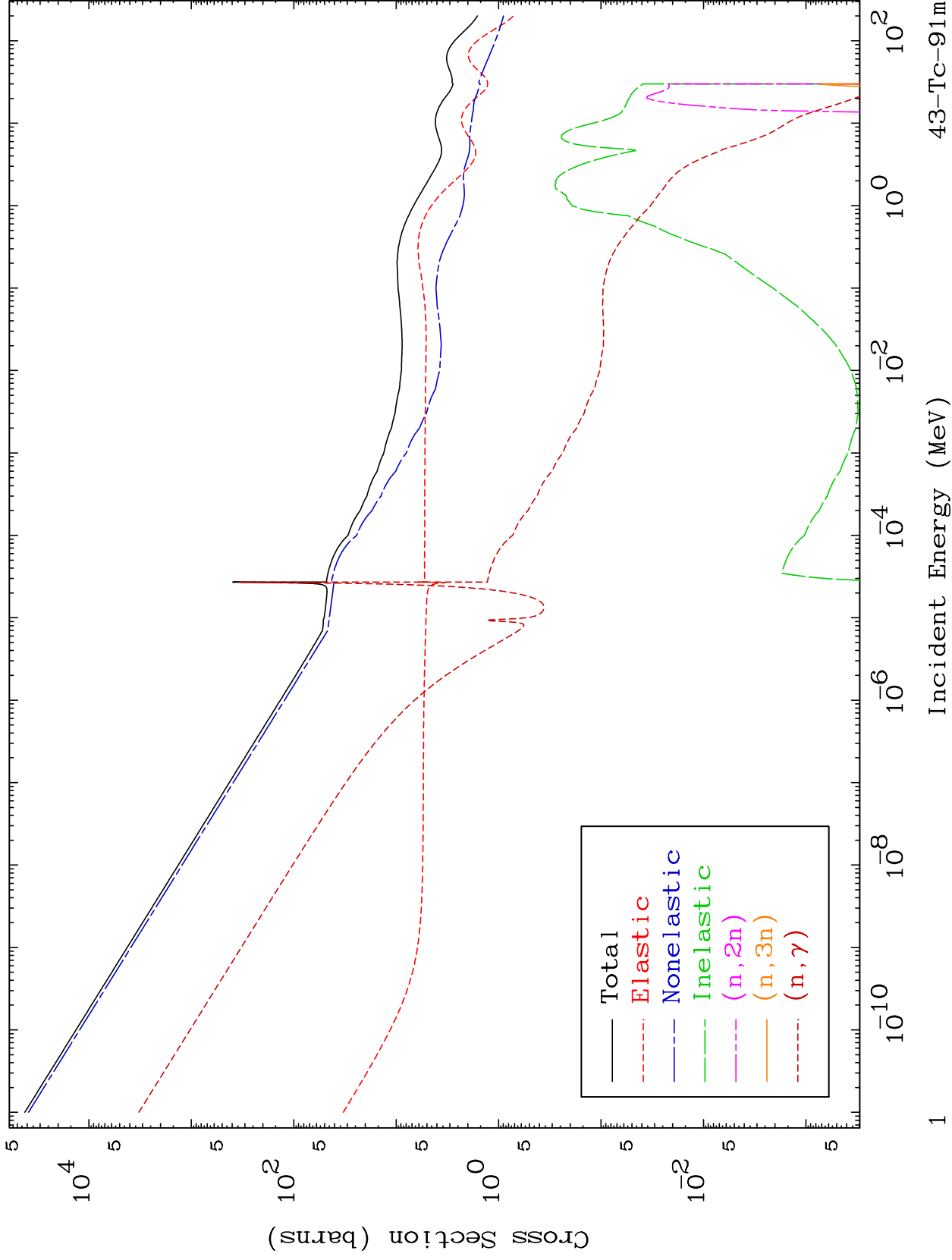
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4302

Neutron Major
293 Kelvin Cross Sections

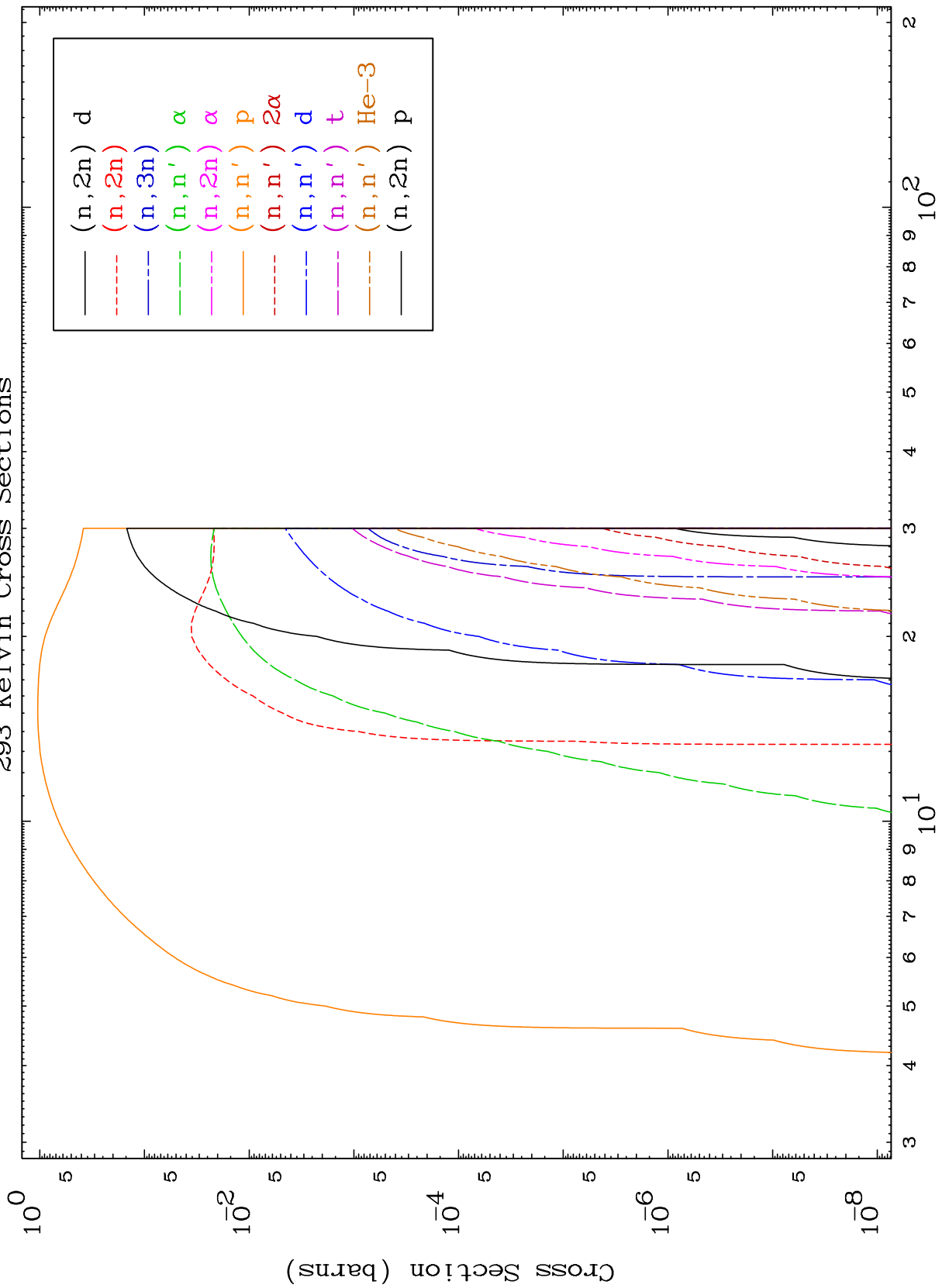
43-Tc-91m



MAT 4302

Neutron Absorption
293 Kelvin Cross Sections

43-Tc-91m



2

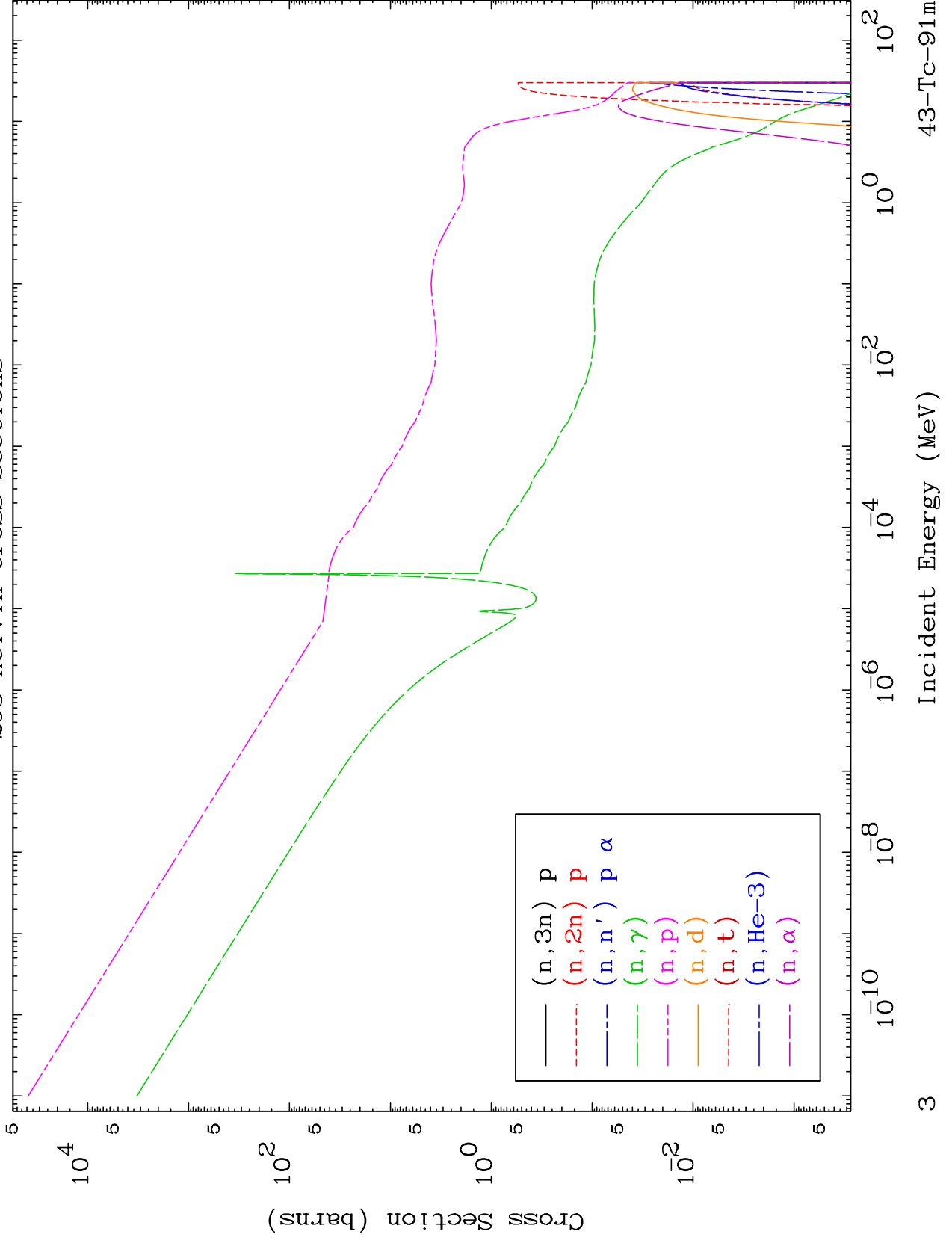
Incident Energy (MeV)

43-Tc-91m

MAT 4302

Neutron Absorption
293 Kelvin Cross Sections

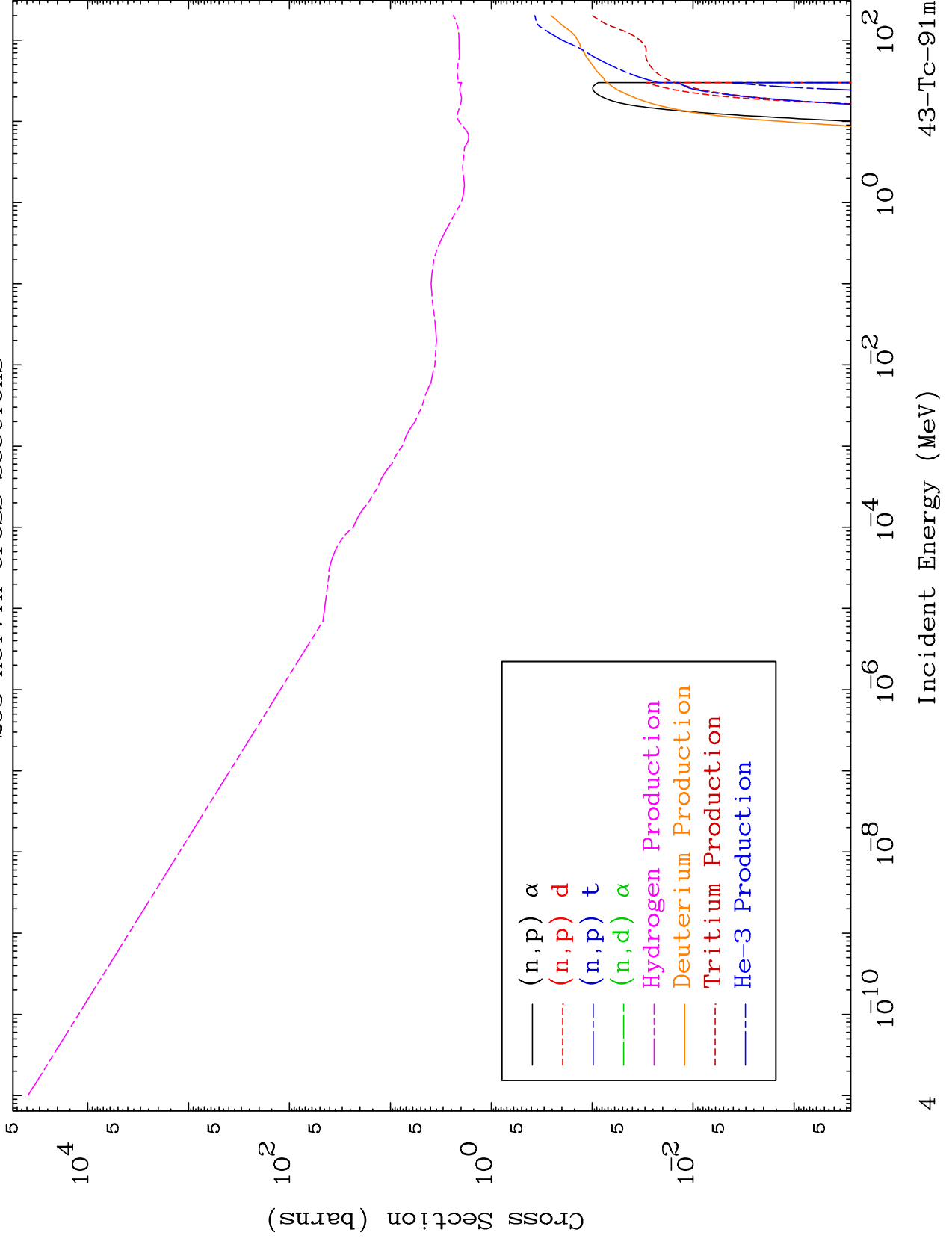
43-Tc-91m



MAT 4302

Neutron Absorption
293 Kelvin Cross Sections

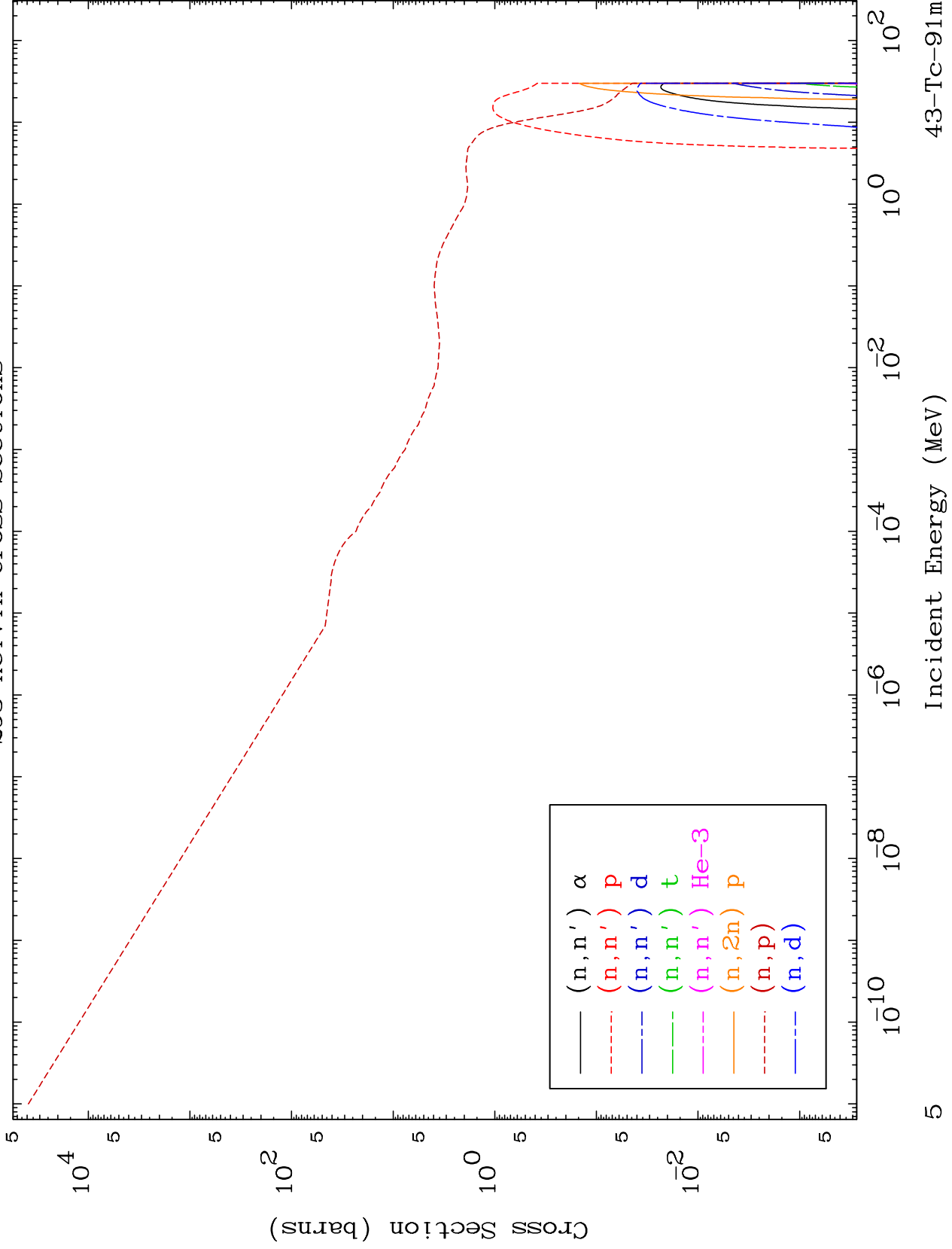
43-Tc-91m



MAT 4302

Charged Particle
293 Kelvin Cross Sections

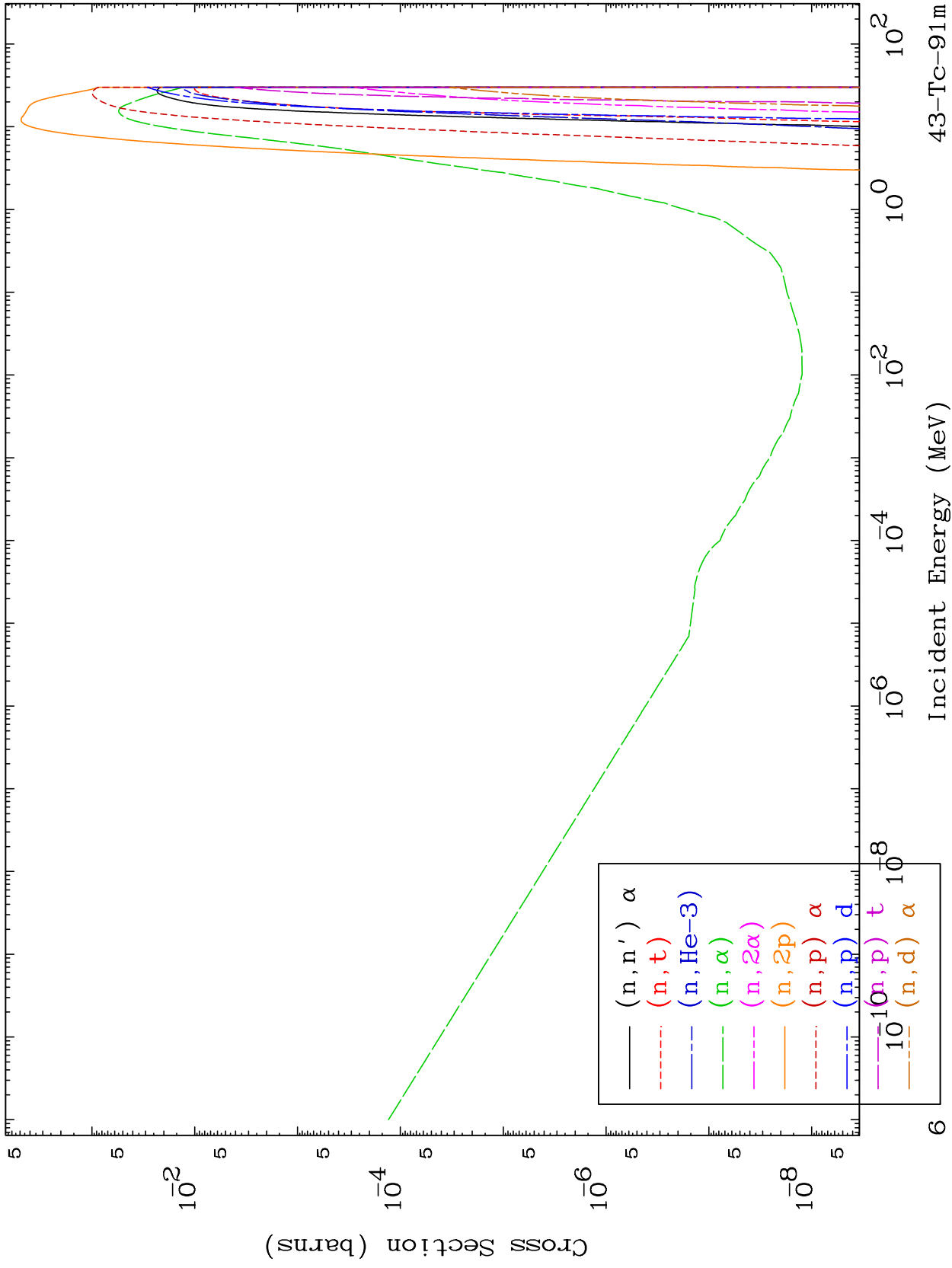
43-Tc-91m



MAT 4302

Charged Particle
293 Kelvin Cross Sections

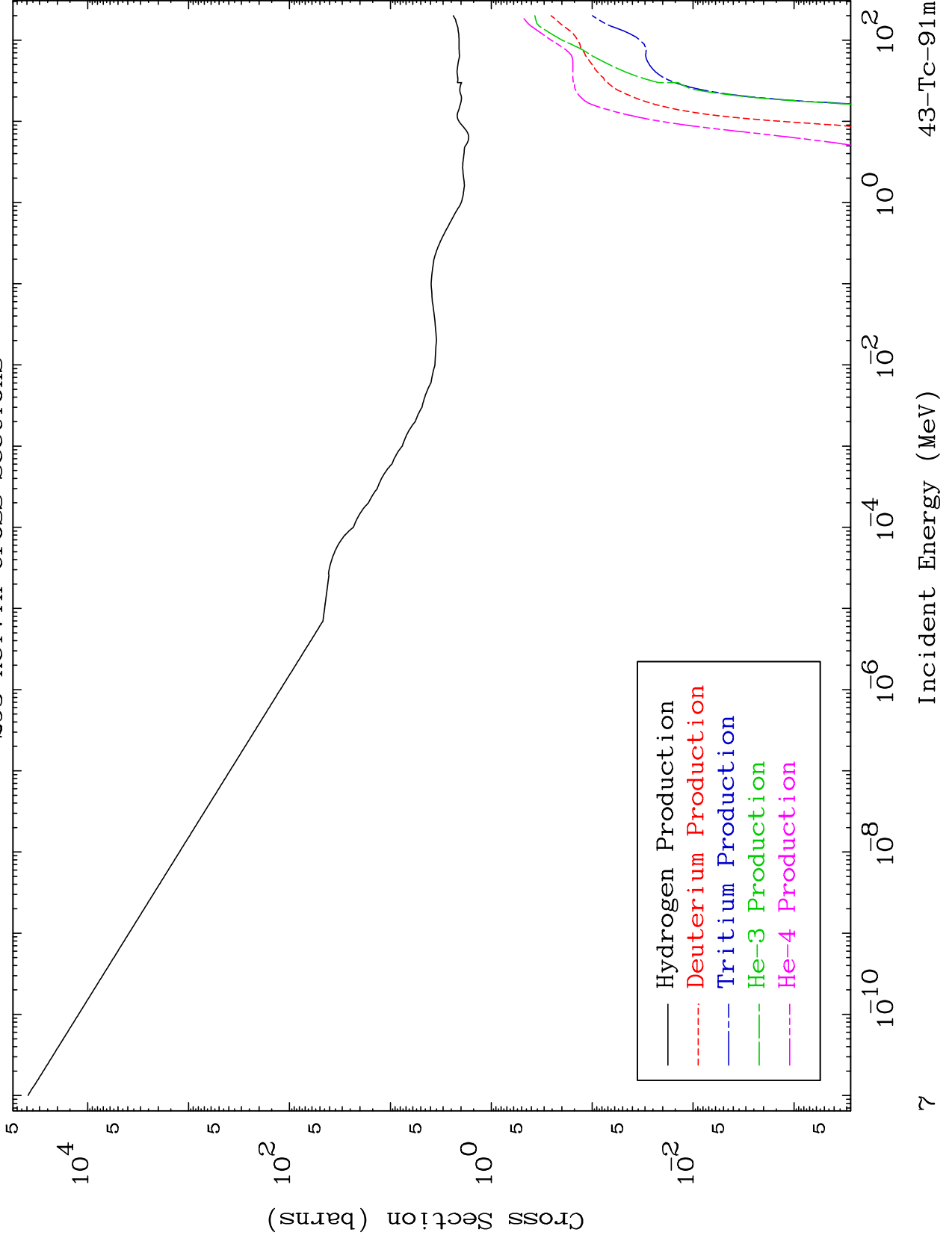
43-Tc-91m



MAT 4302

Particle Production
293 Kelvin Cross Sections

43-Tc-91m

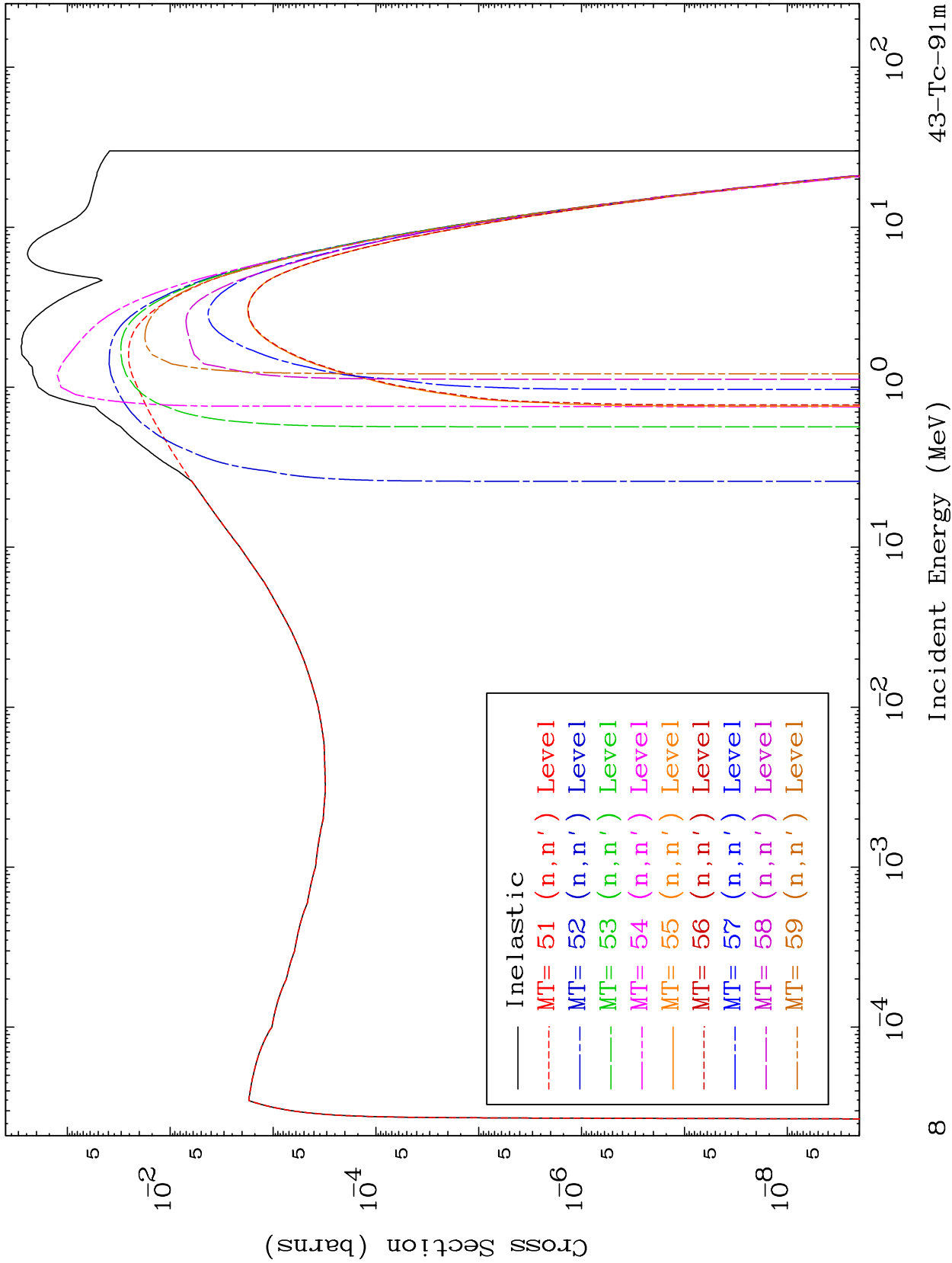


MAT 4302

(n,n') Levels

43-Tc-91m

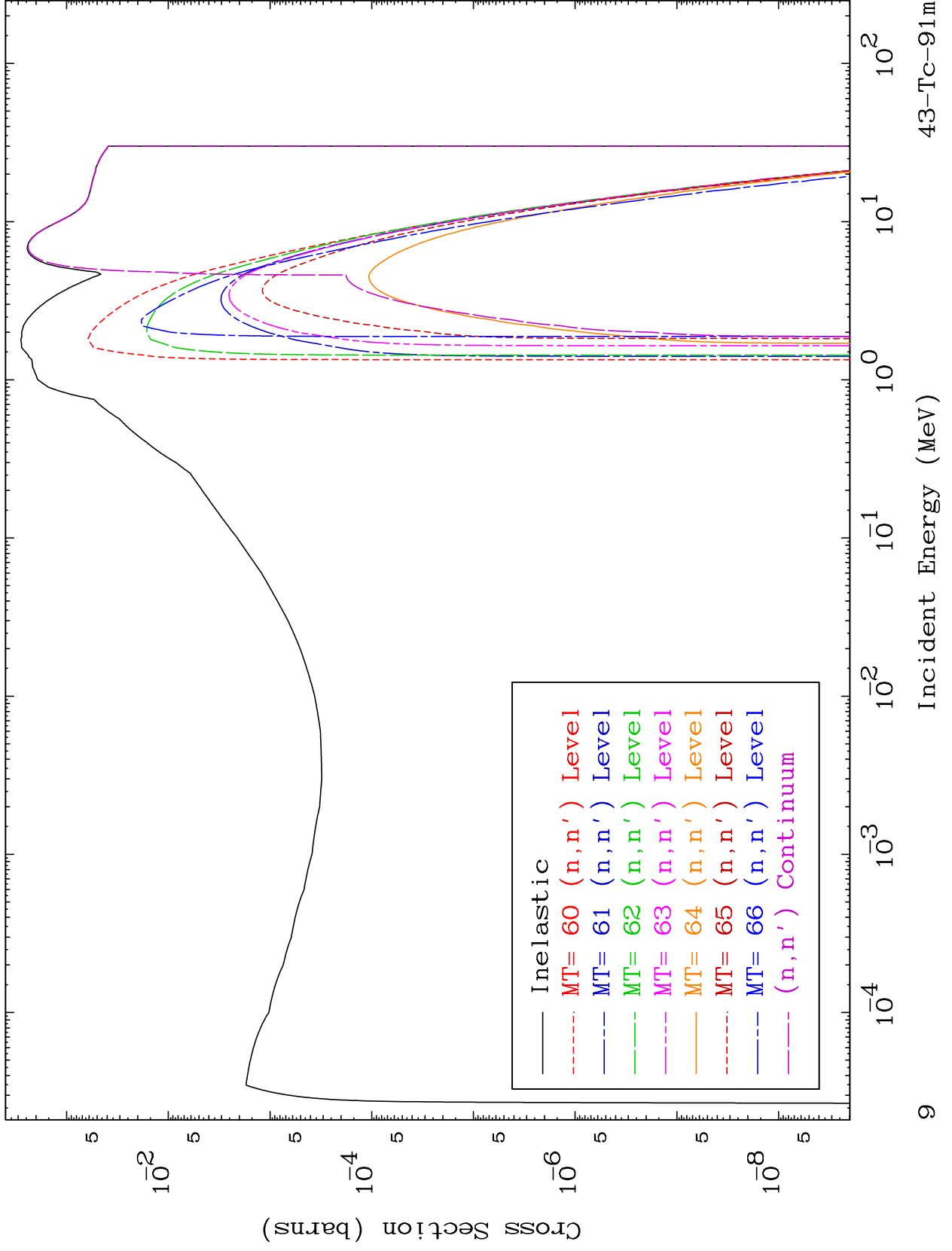
293 Kelvin Cross Sections

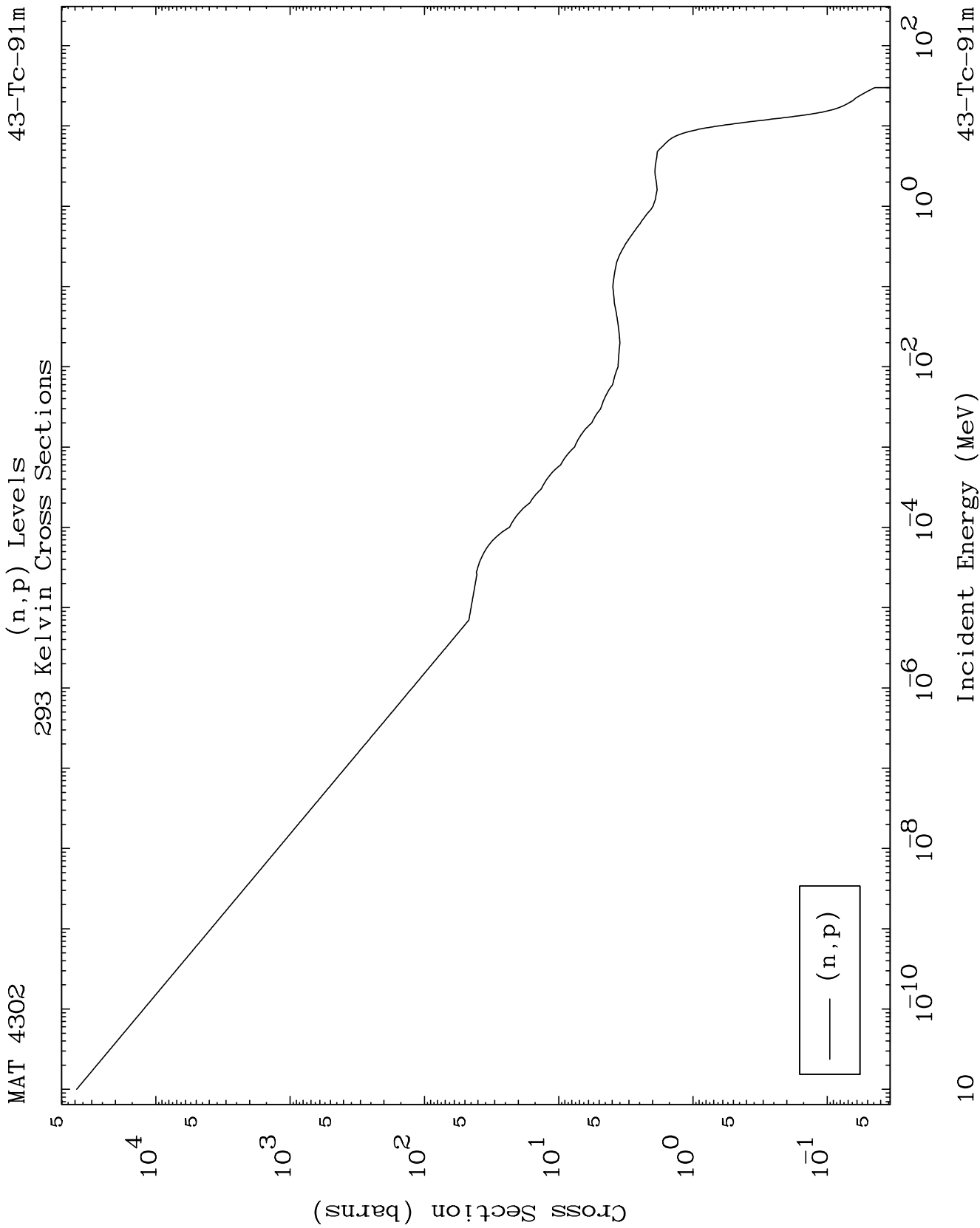


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(n,n') Levels
293 Kelvin Cross Sections

43-Tc-91m

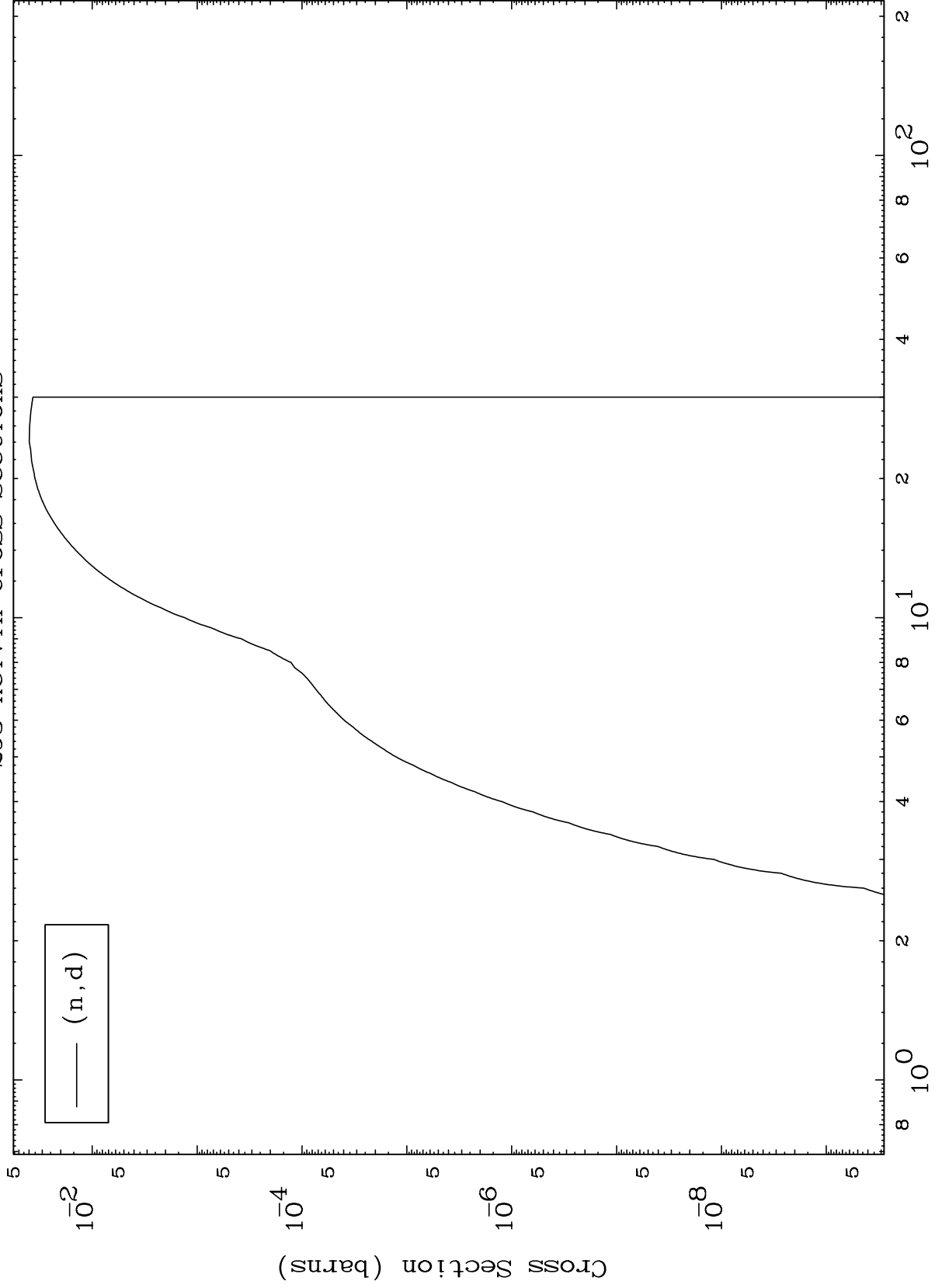




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(n,d) Levels
293 Kelvin Cross Sections

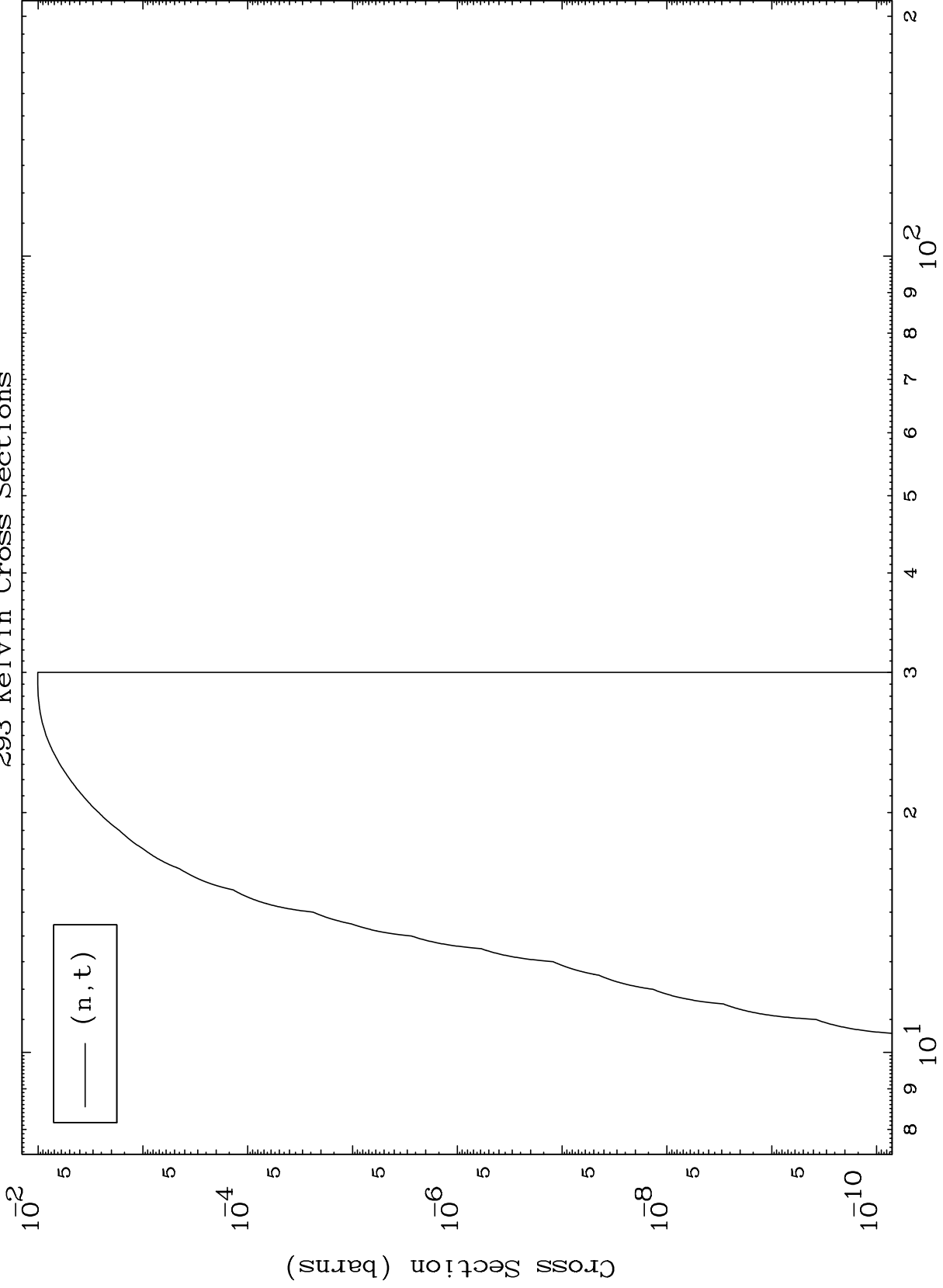
43-Tc-91m



MAT 4302

(n,t) Levels
293 Kelvin Cross Sections

43-Tc-91m



12

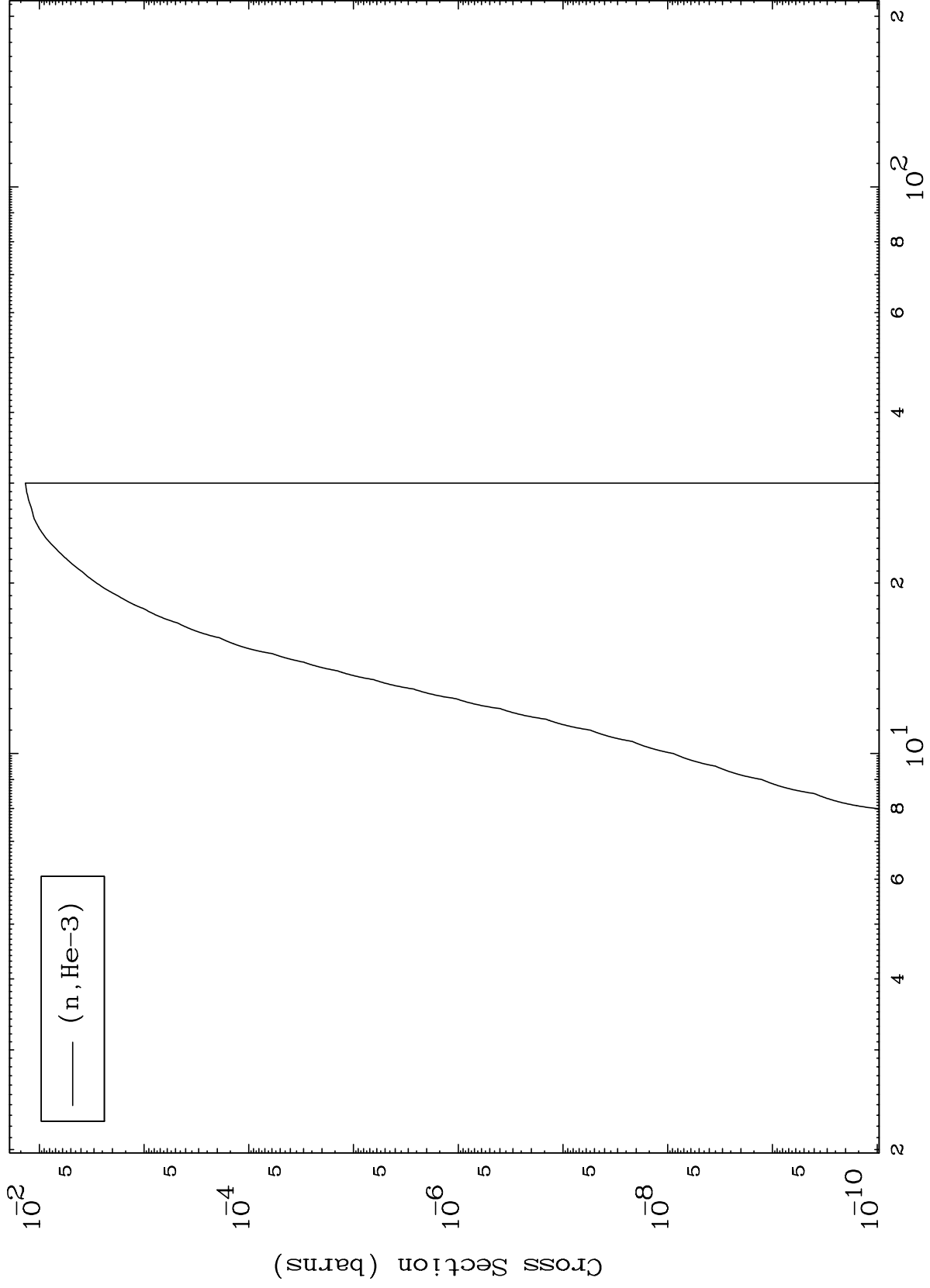
Incident Energy (MeV)

43-Tc-91m

MAT 4302

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-91m



13

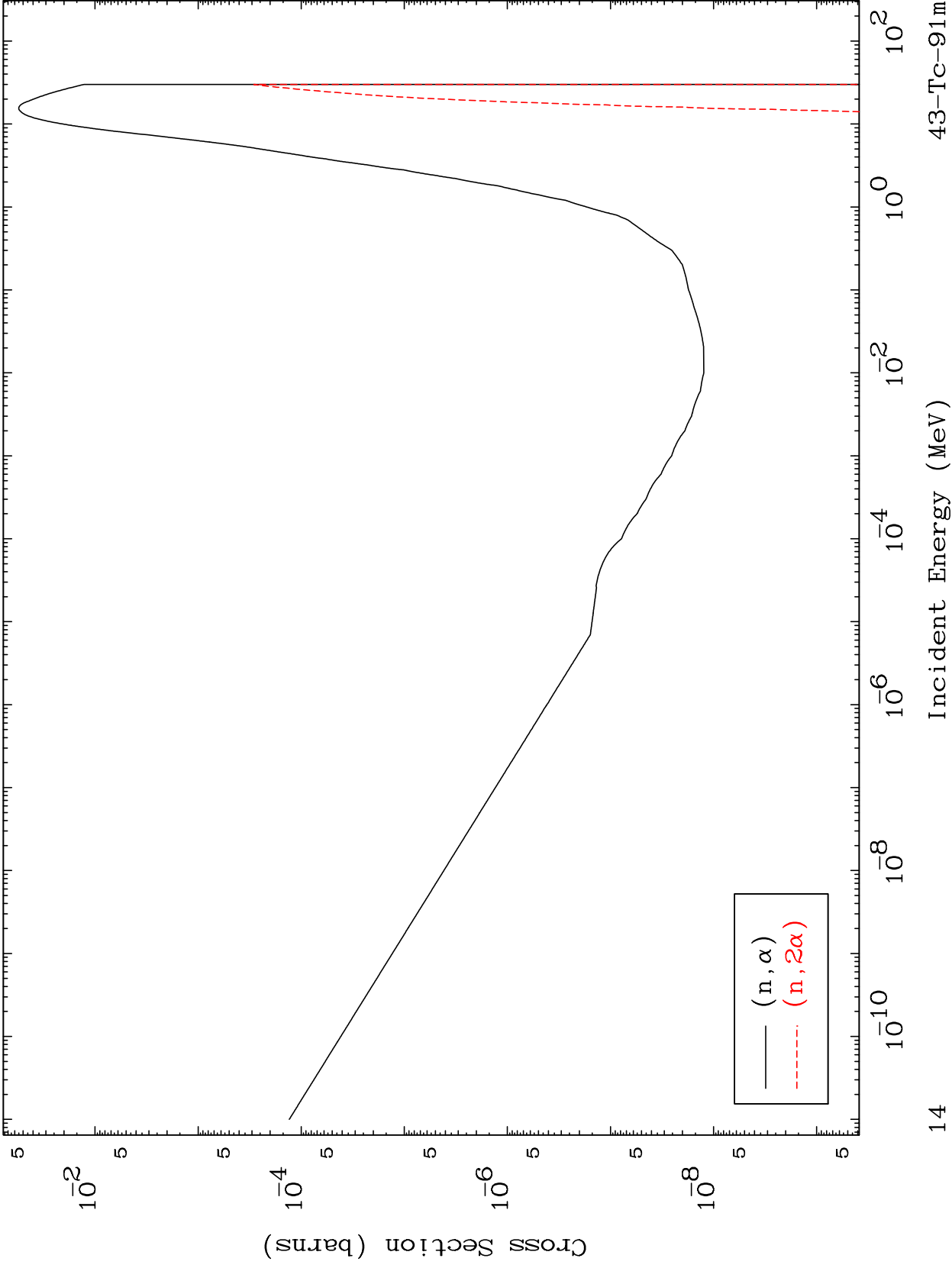
Incident Energy (MeV)

43-Tc-91m

MAT 4302

(n, α) Levels
293 Kelvin Cross Sections

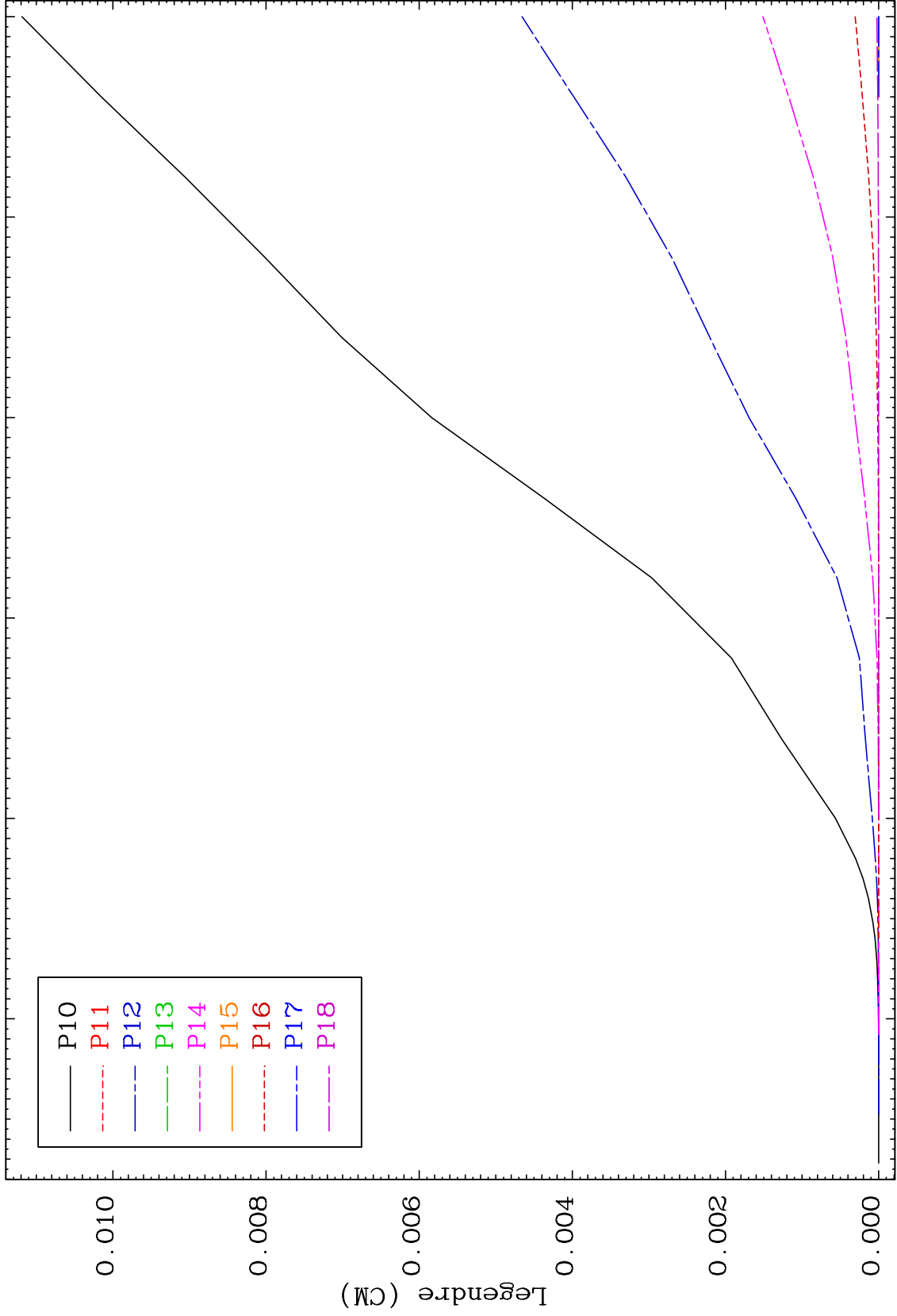
43-Tc-91m



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Elastic Legendre Coefficients

43-Tc-91m



16

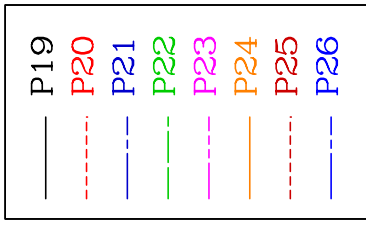
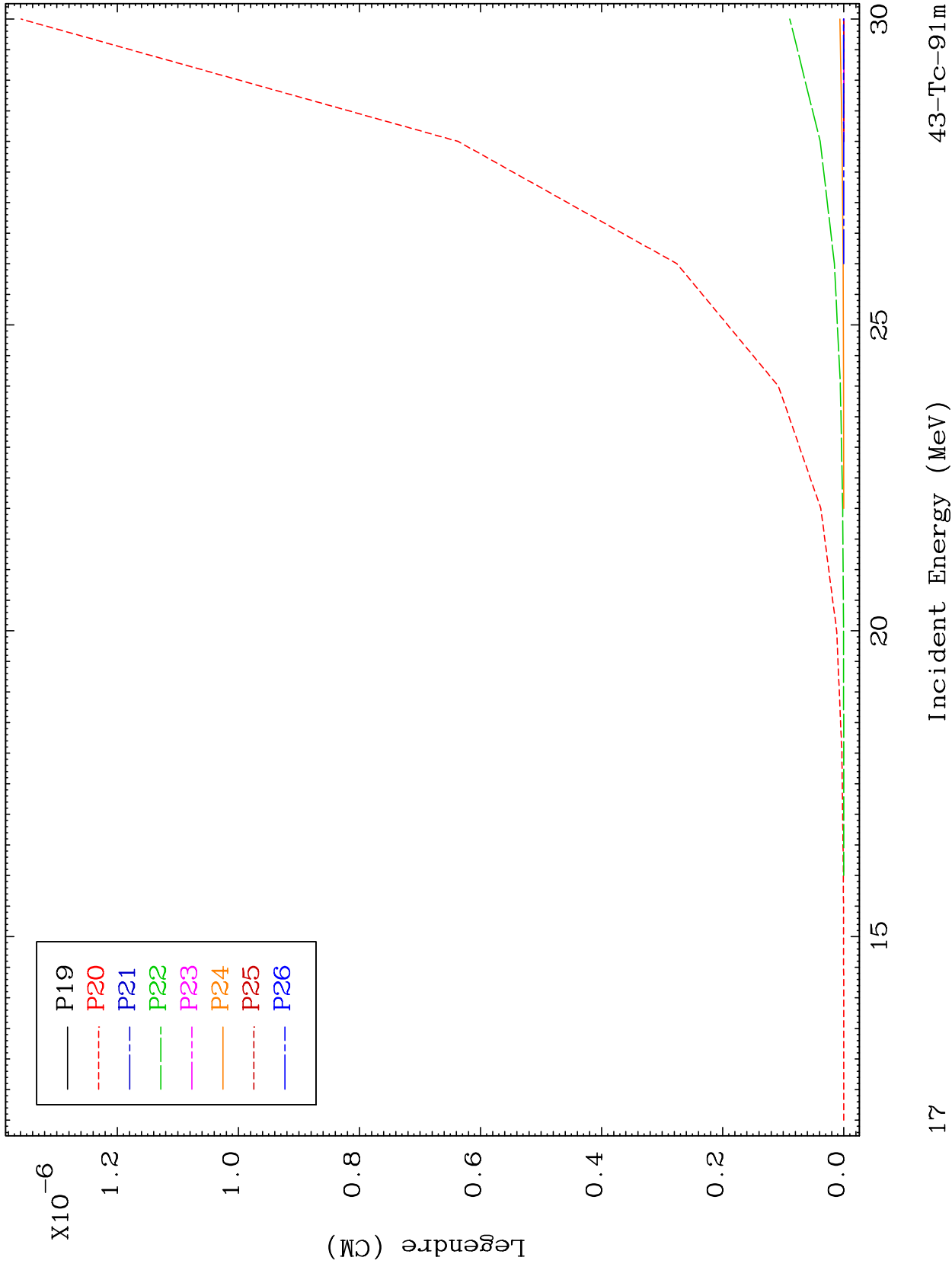
Incident Energy (MeV)

43-Tc-91m

MAT 4302

Elastic Legendre Coefficients

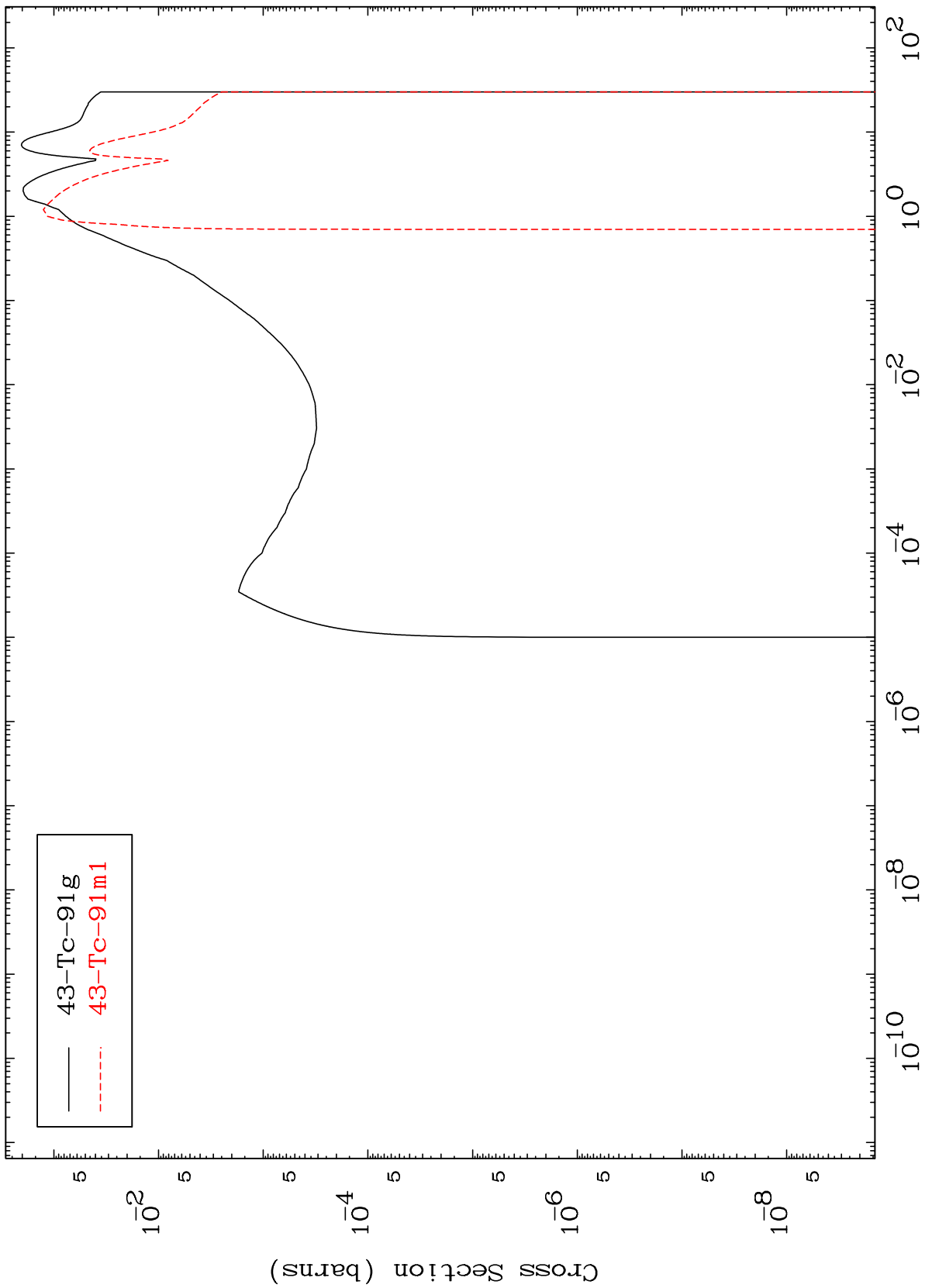
43-Tc-91m



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43-Tc-91m

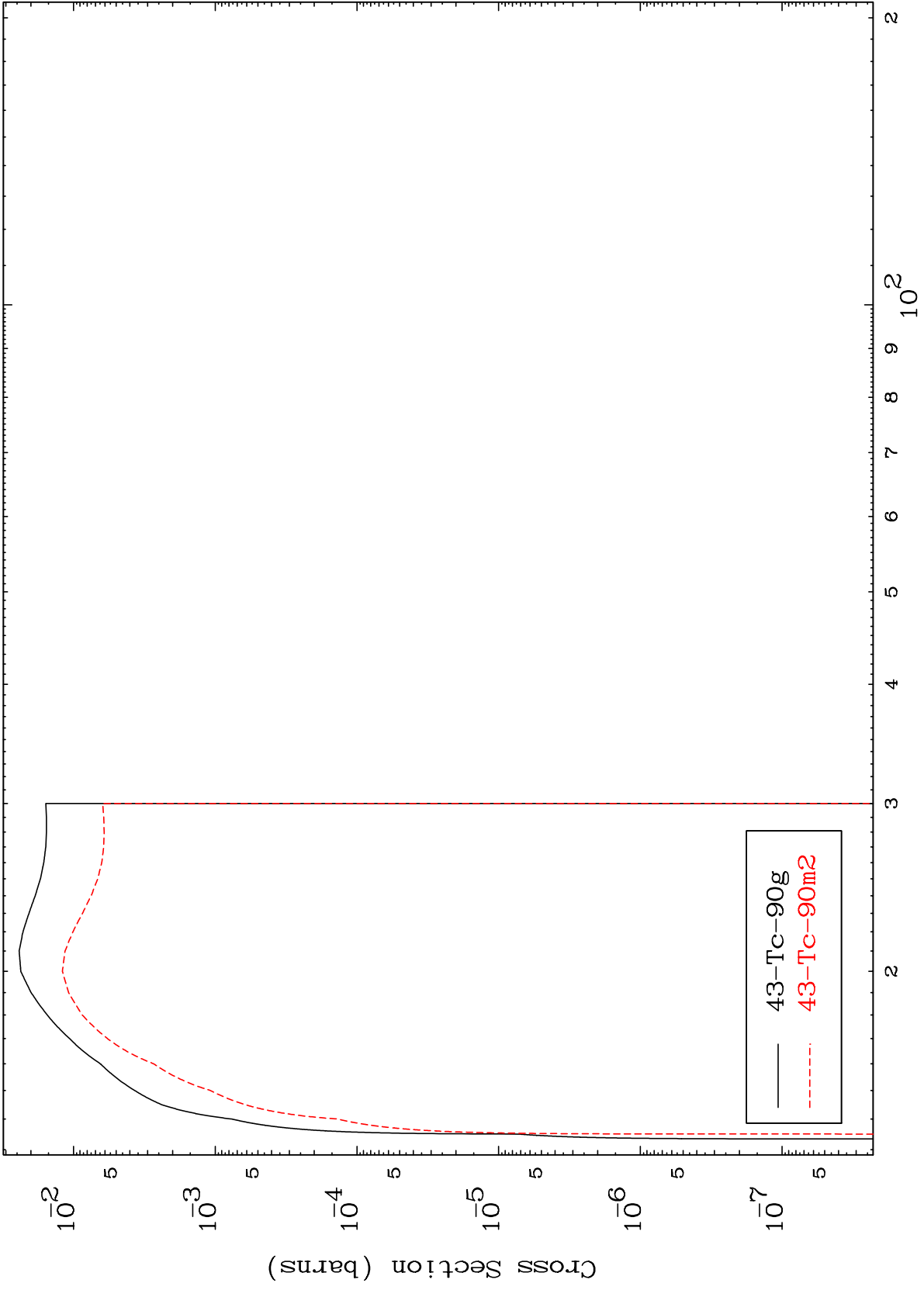
Inelastic
Radionuclide Production Cross Section



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43-Tc-91m

(n,2n)
Radionuclide Production Cross Section



19

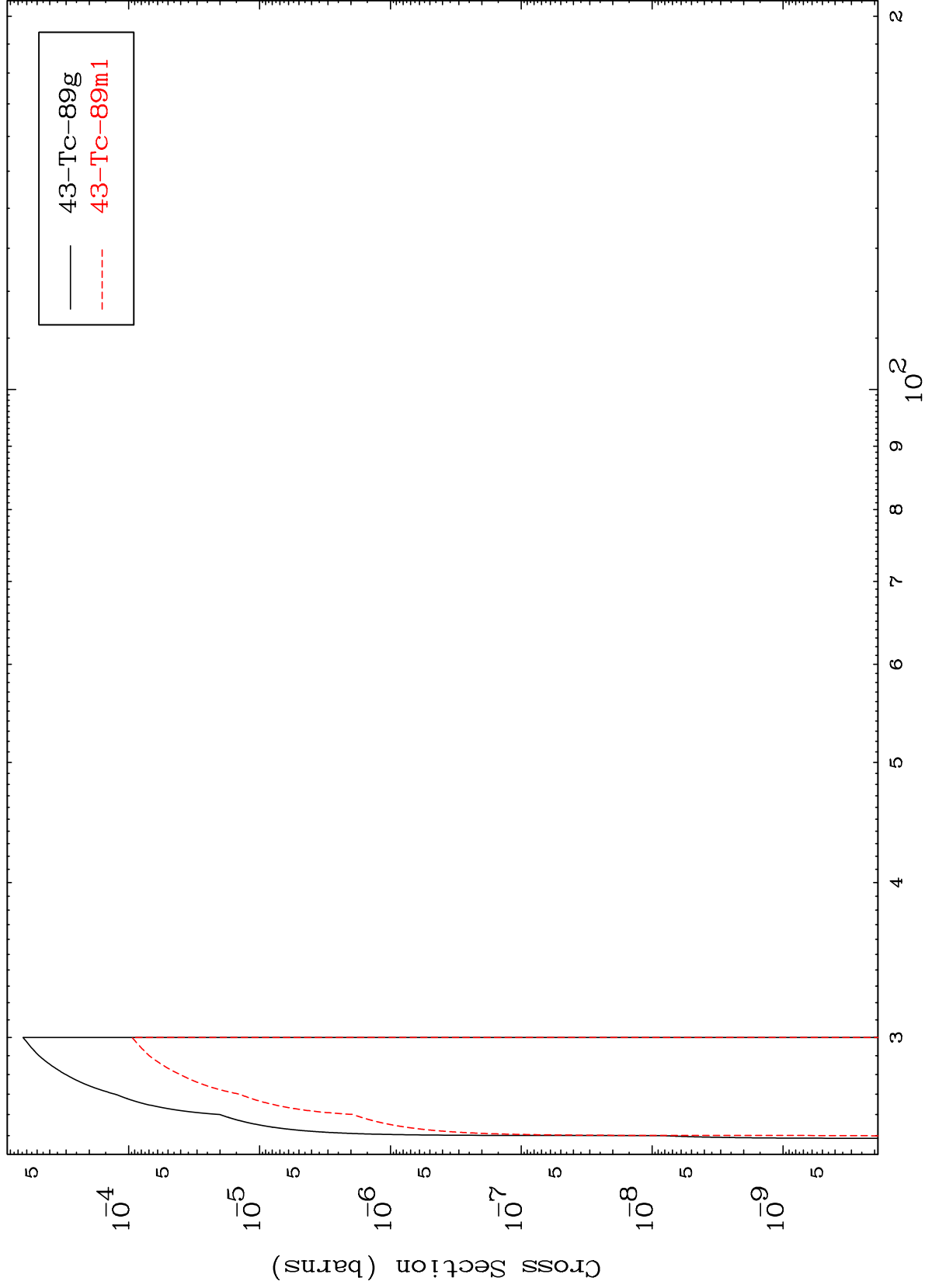
Incident Energy (MeV)

43-Tc-91m

MAT 4302

43-Tc-91m

(n,3n)
Radionuclide Production Cross Section



43-Tc-91m

Incident Energy (MeV)

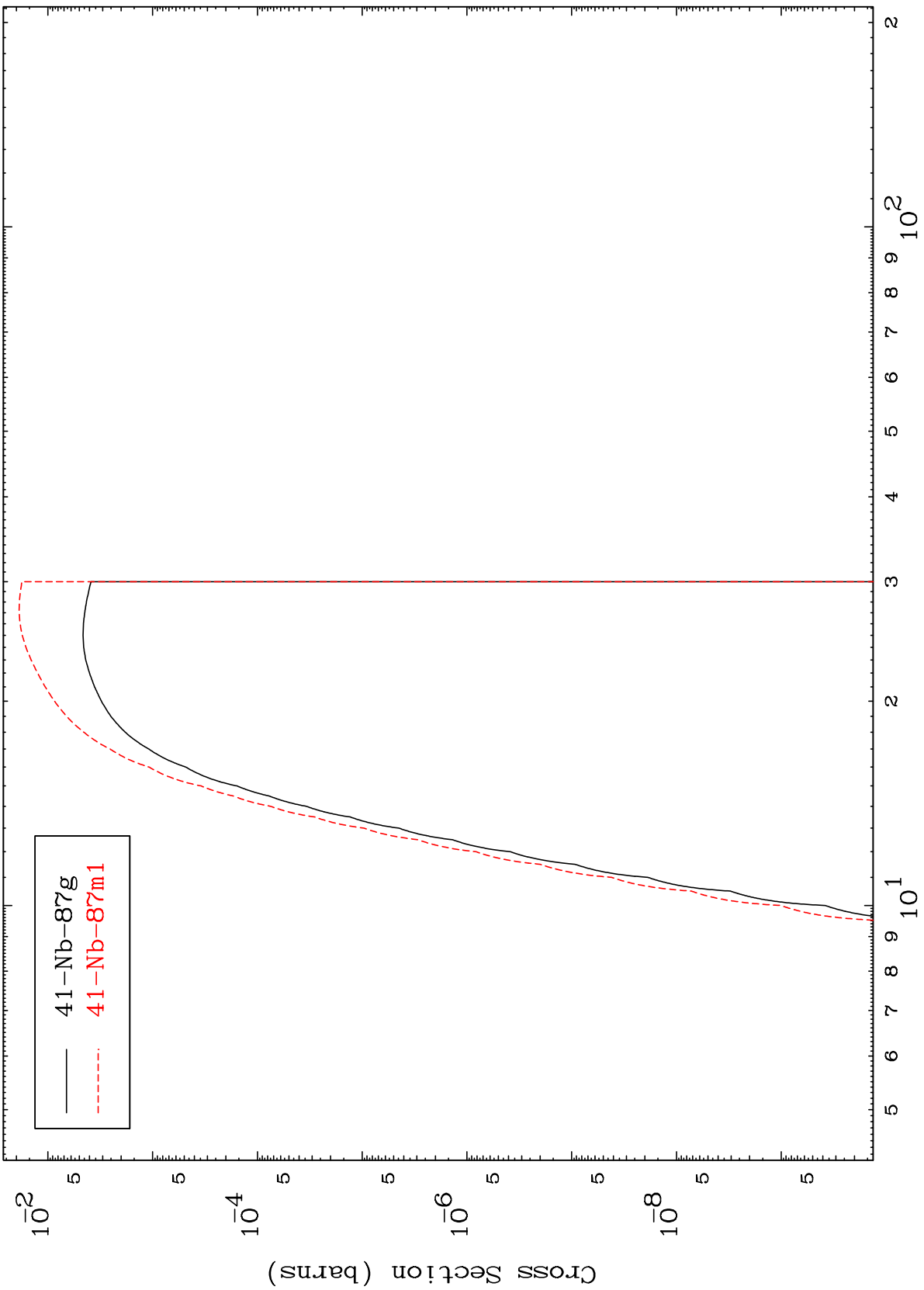
20

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43-Tc-91m

(n,n') α

Radionuclide Production Cross Section



21

Incident Energy (MeV)

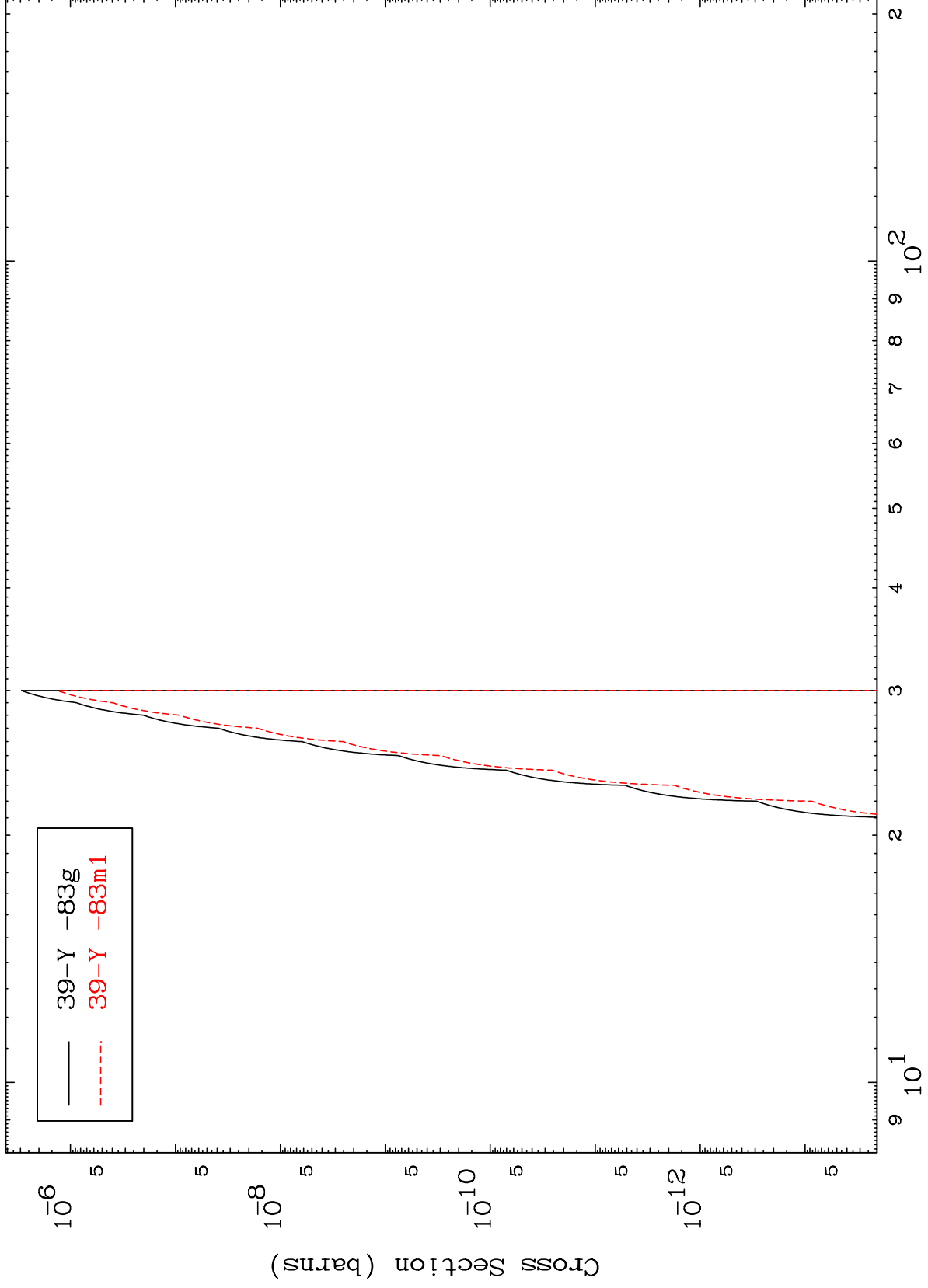
43-Tc-91m

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(n,n') 2α

43-Tc-91m

Radionuclide Production Cross Section



— 39-Y -83g
- - - 39-Y -83m1

22

Incident Energy (MeV)

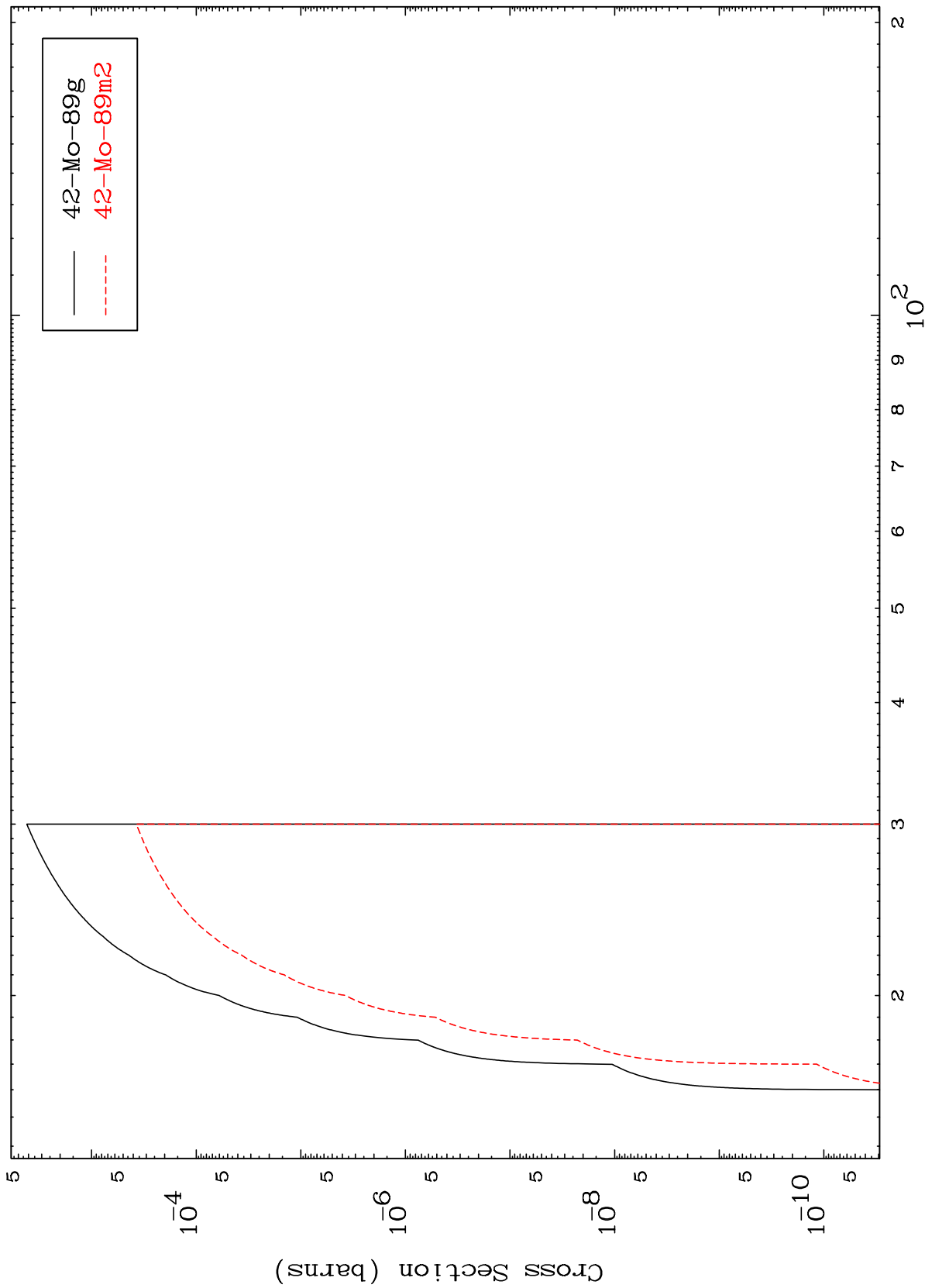
43-Tc-91m

MAT 4302

(n,n') d

43-Tc-91m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

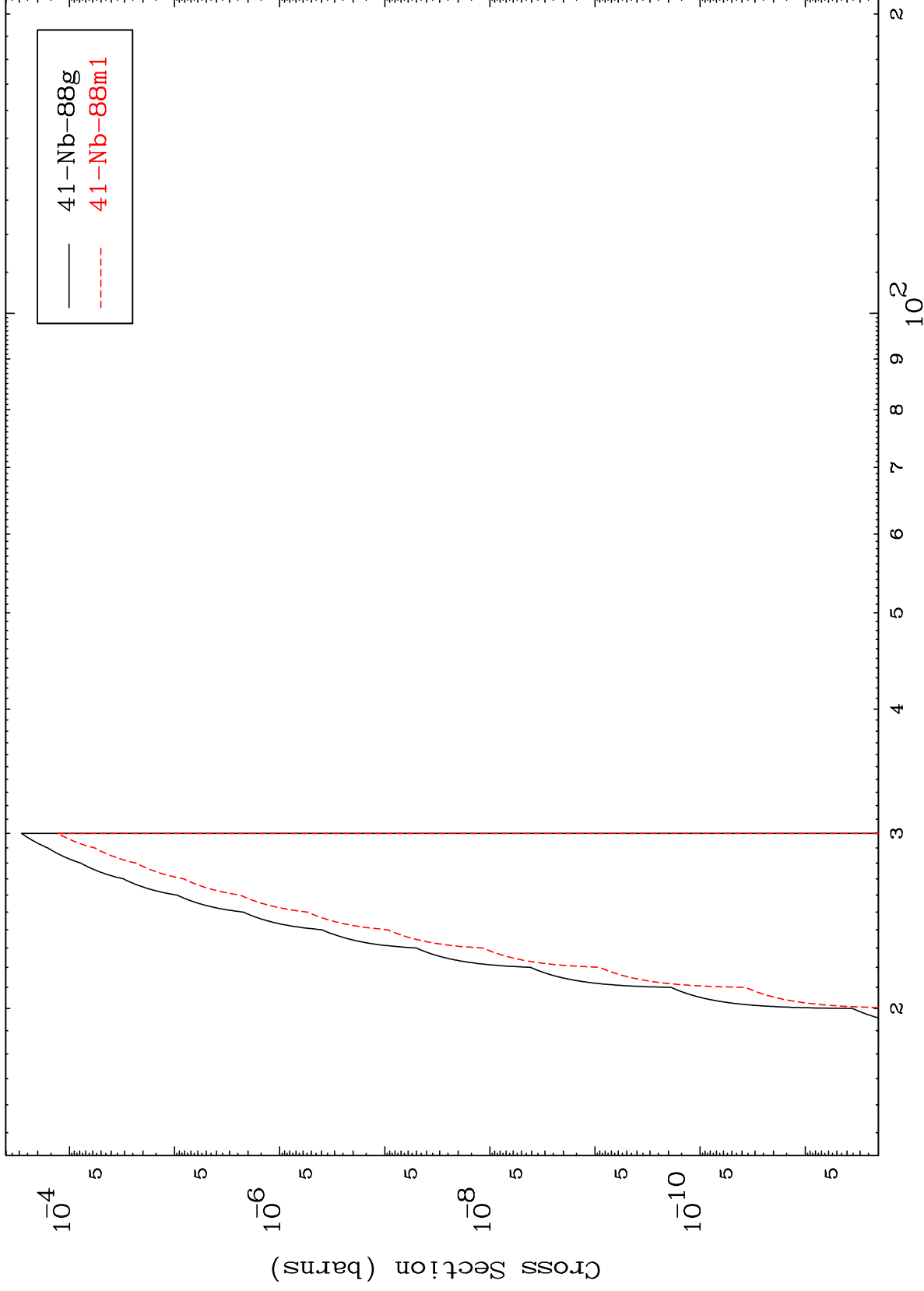
43-Tc-91m

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(n,n') He-3

43-Tc-91m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

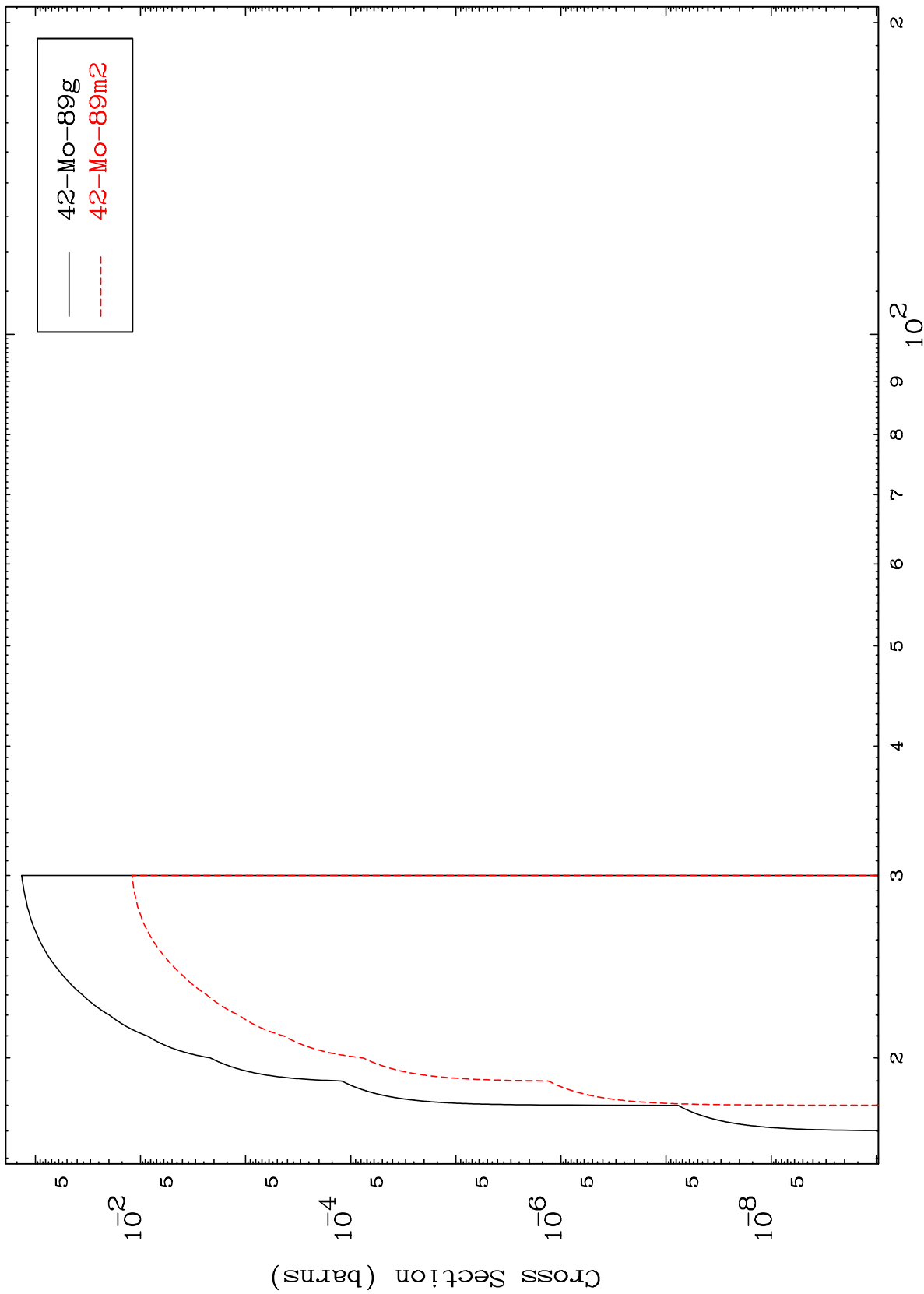
43-Tc-91m

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(n,2n) p

43-Tc-91m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

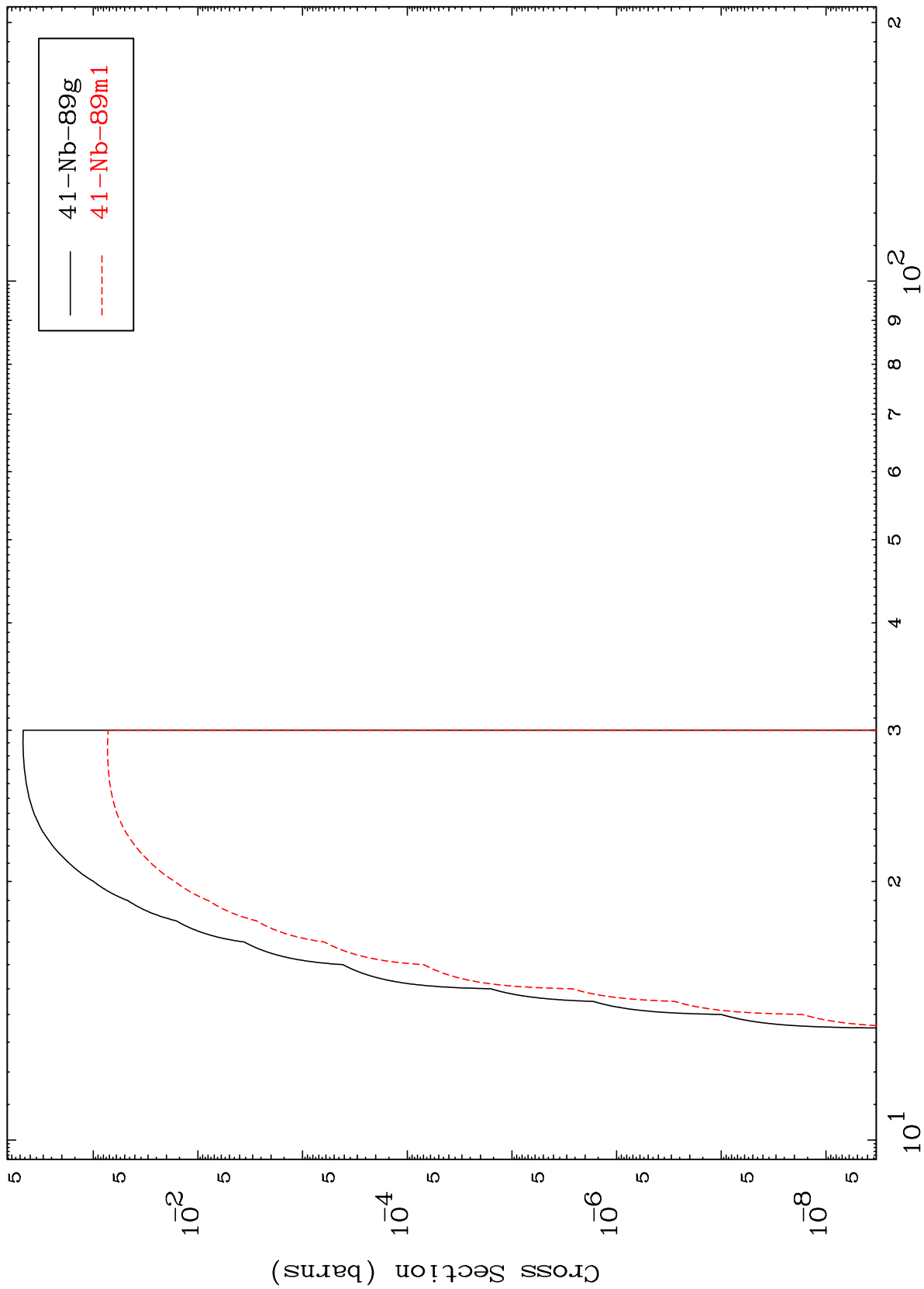
43-Tc-91m

MAT 4302

(n,2n) p

43-Tc-91m

Radionuclide Production Cross Section



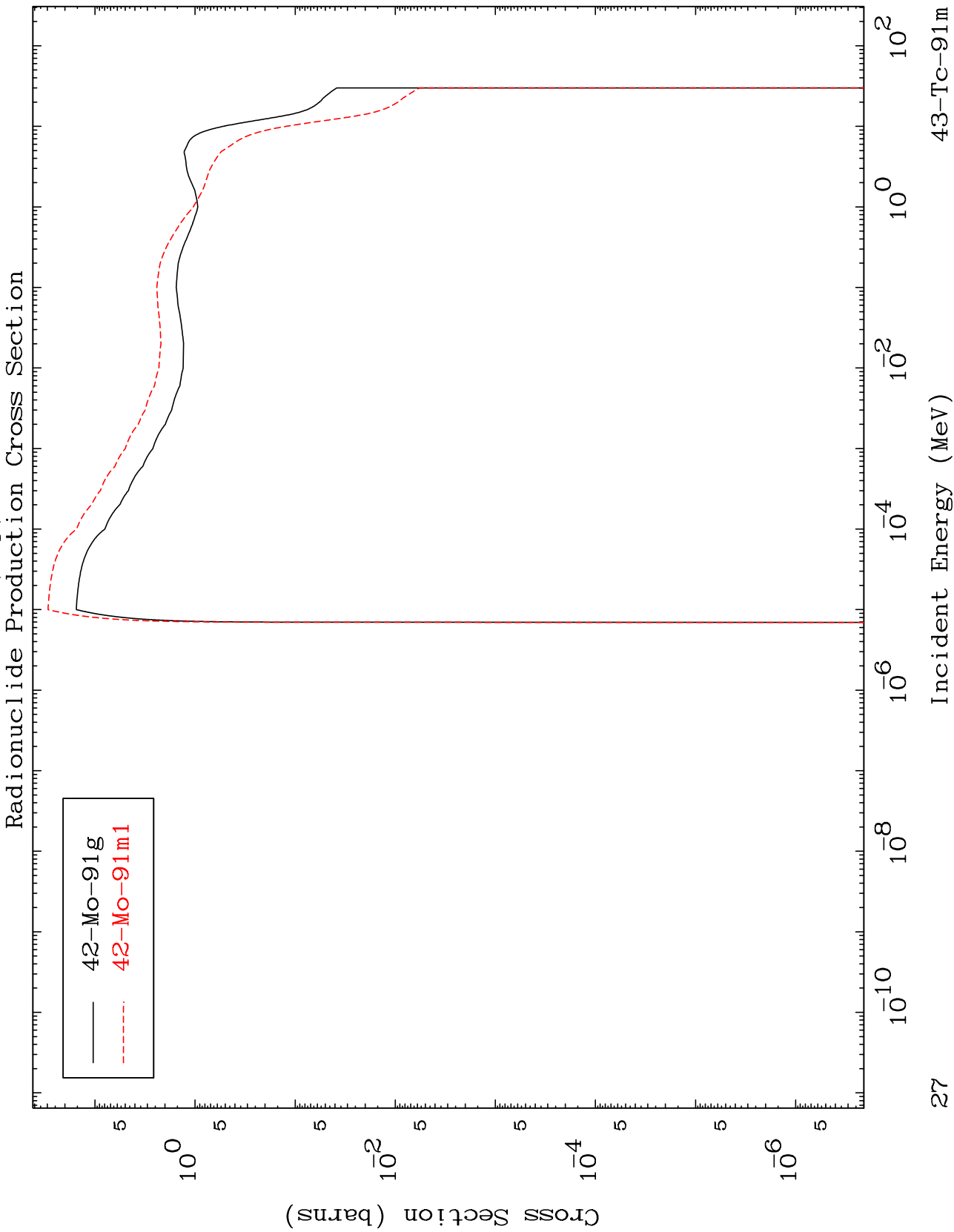
26

Incident Energy (MeV)

43-Tc-91m

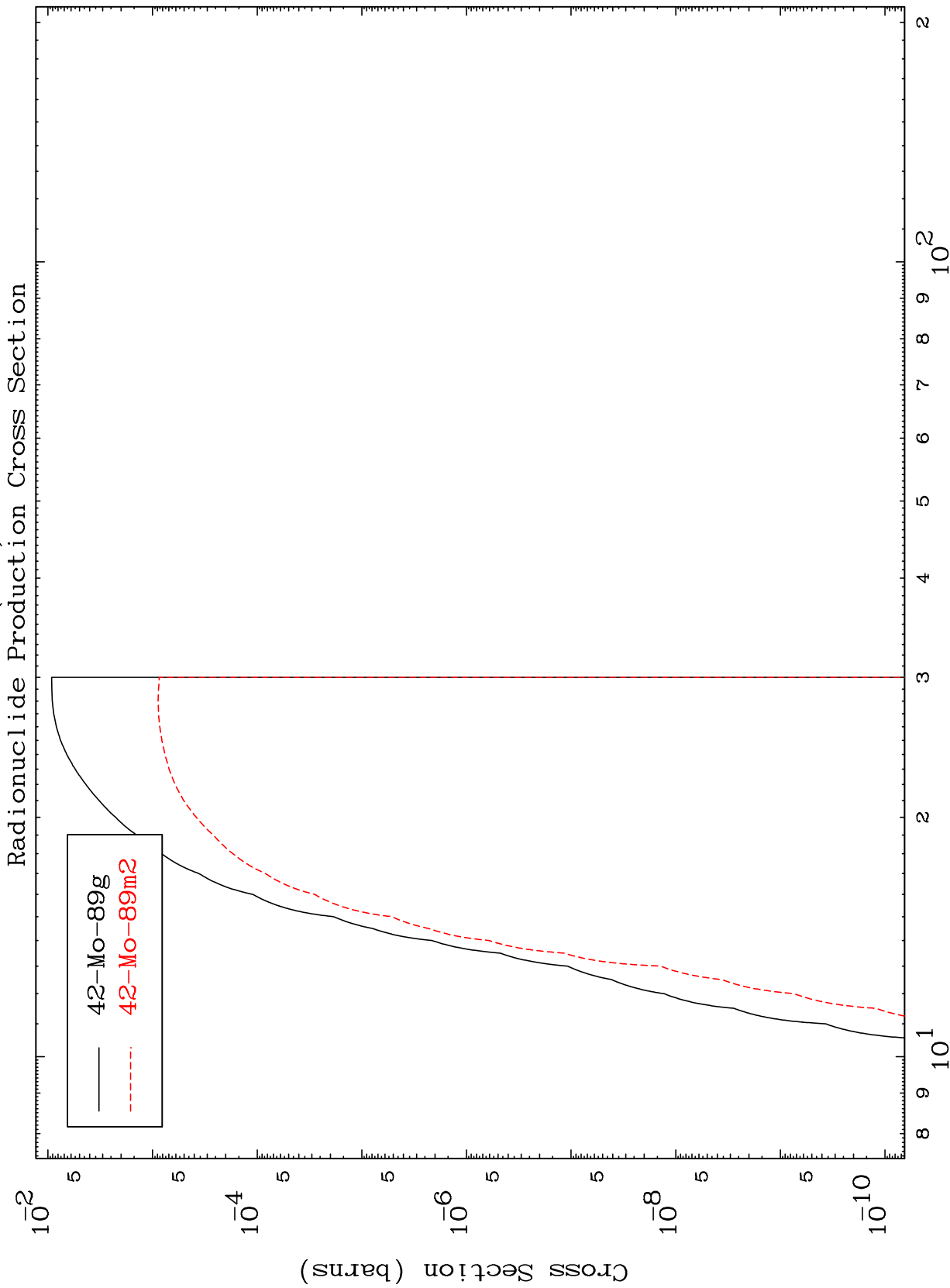
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43-Tc-91m



MAT 4302

43-Tc-91m



— 42-Mo-89g
- - - 42-Mo-89m2

43-Tc-91m

Incident Energy (MeV)

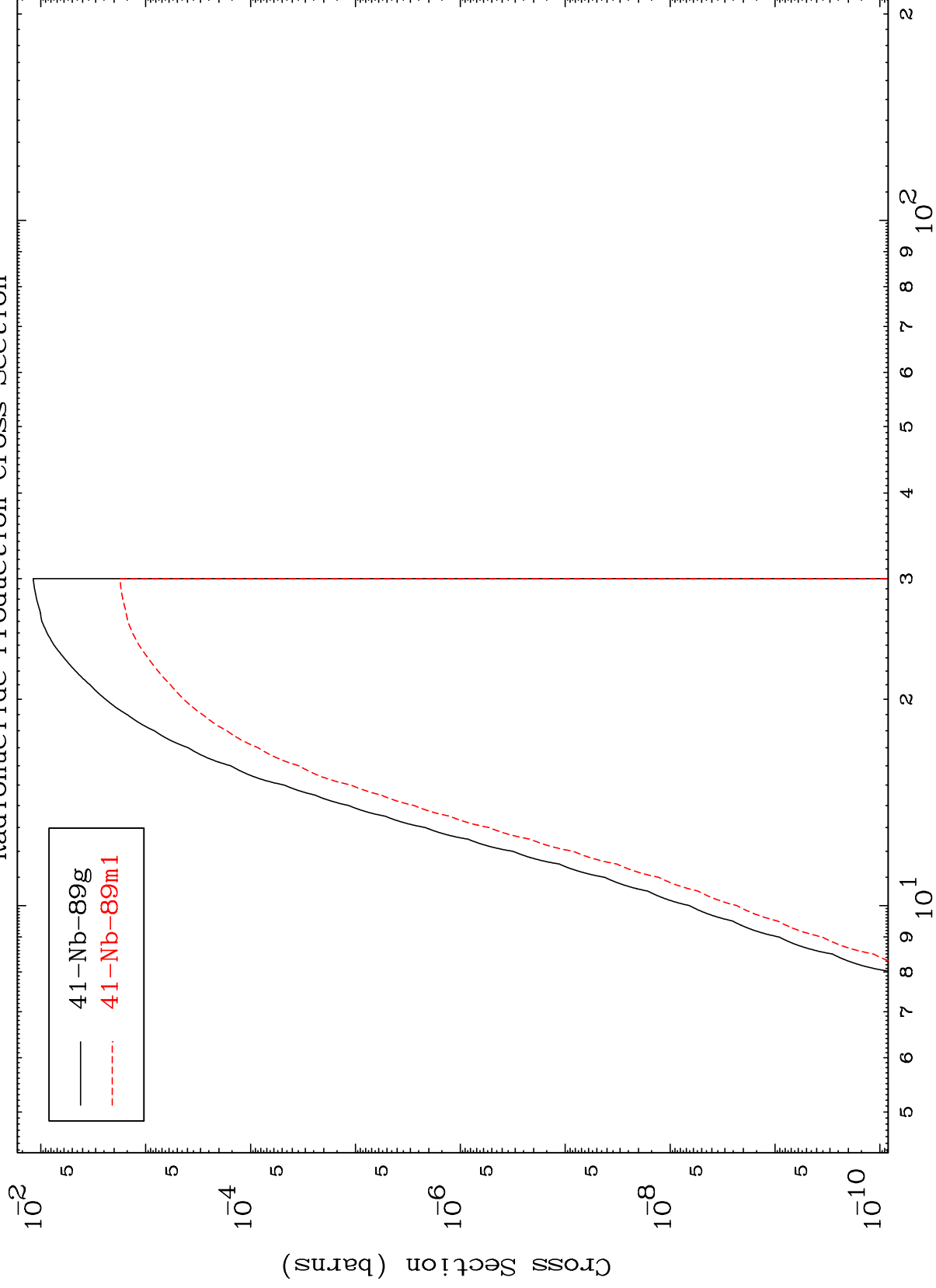
28

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(n,He-3)

43-Tc-91m

Radionuclide Production Cross Section



29

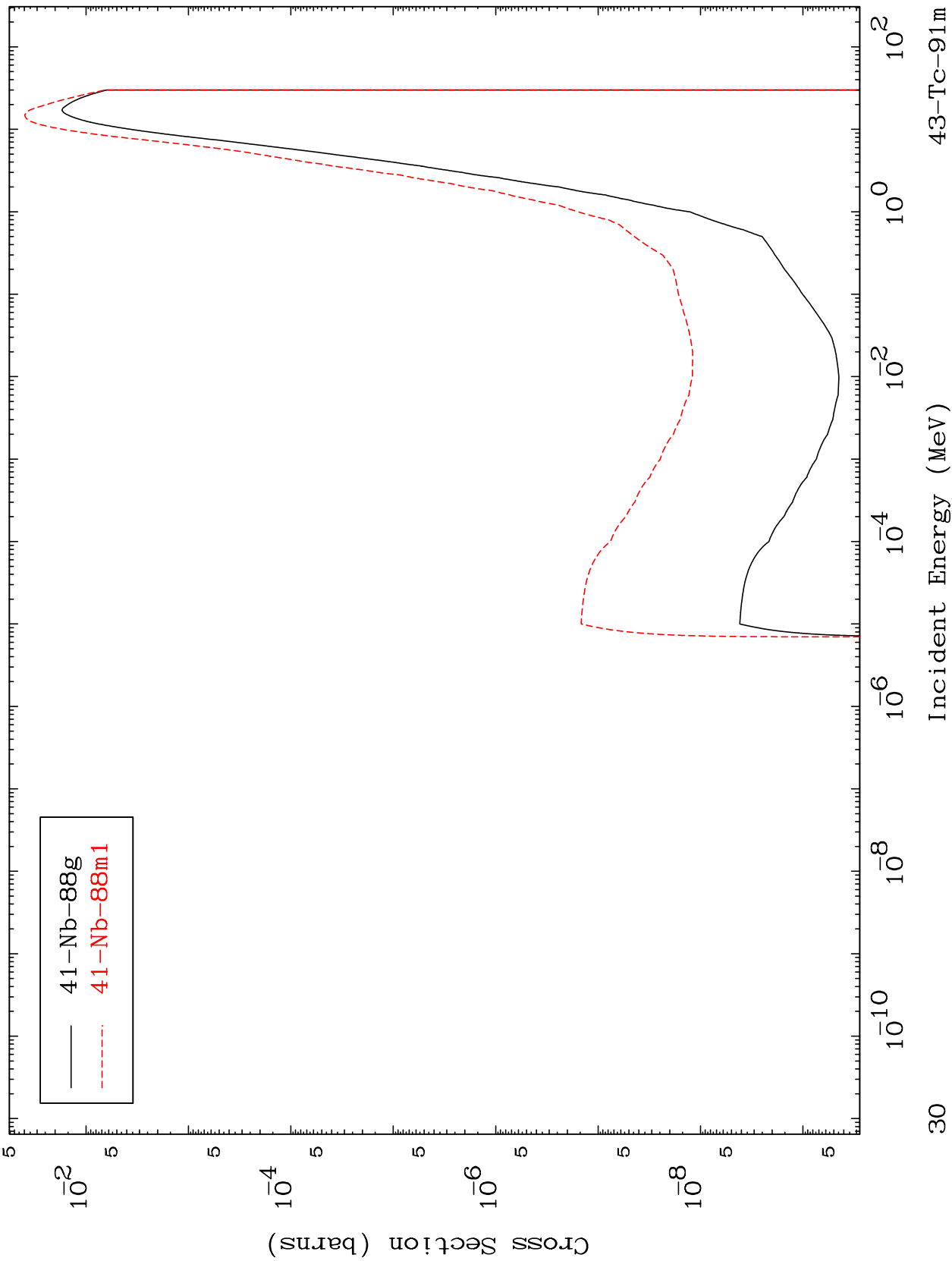
Incident Energy (MeV)

43-Tc-91m

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43-Tc-91m

(n, α)
Radionuclide Production Cross Section

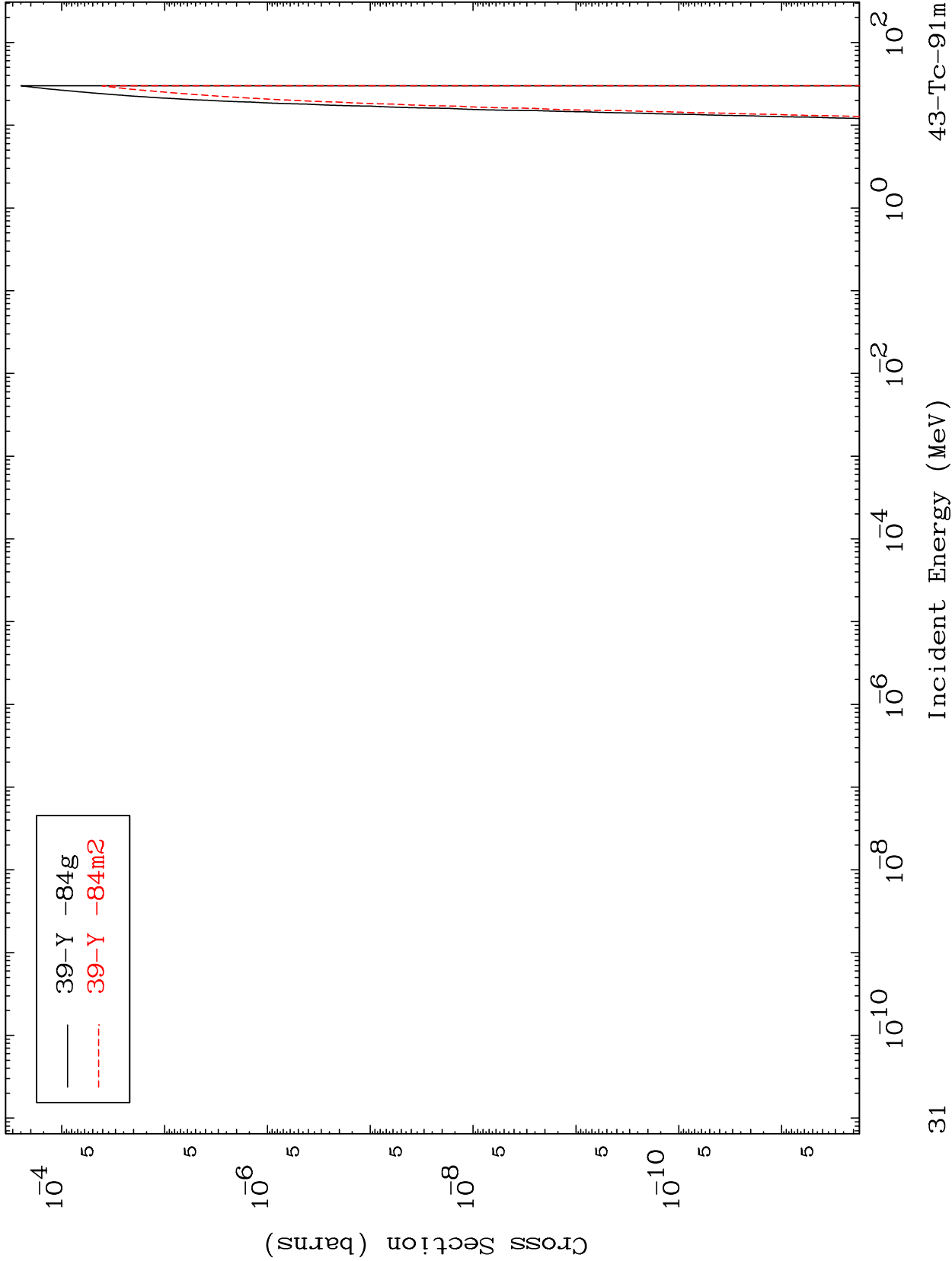


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(n,2α)

⁴³Tc-91m

Radionuclide Production Cross Section

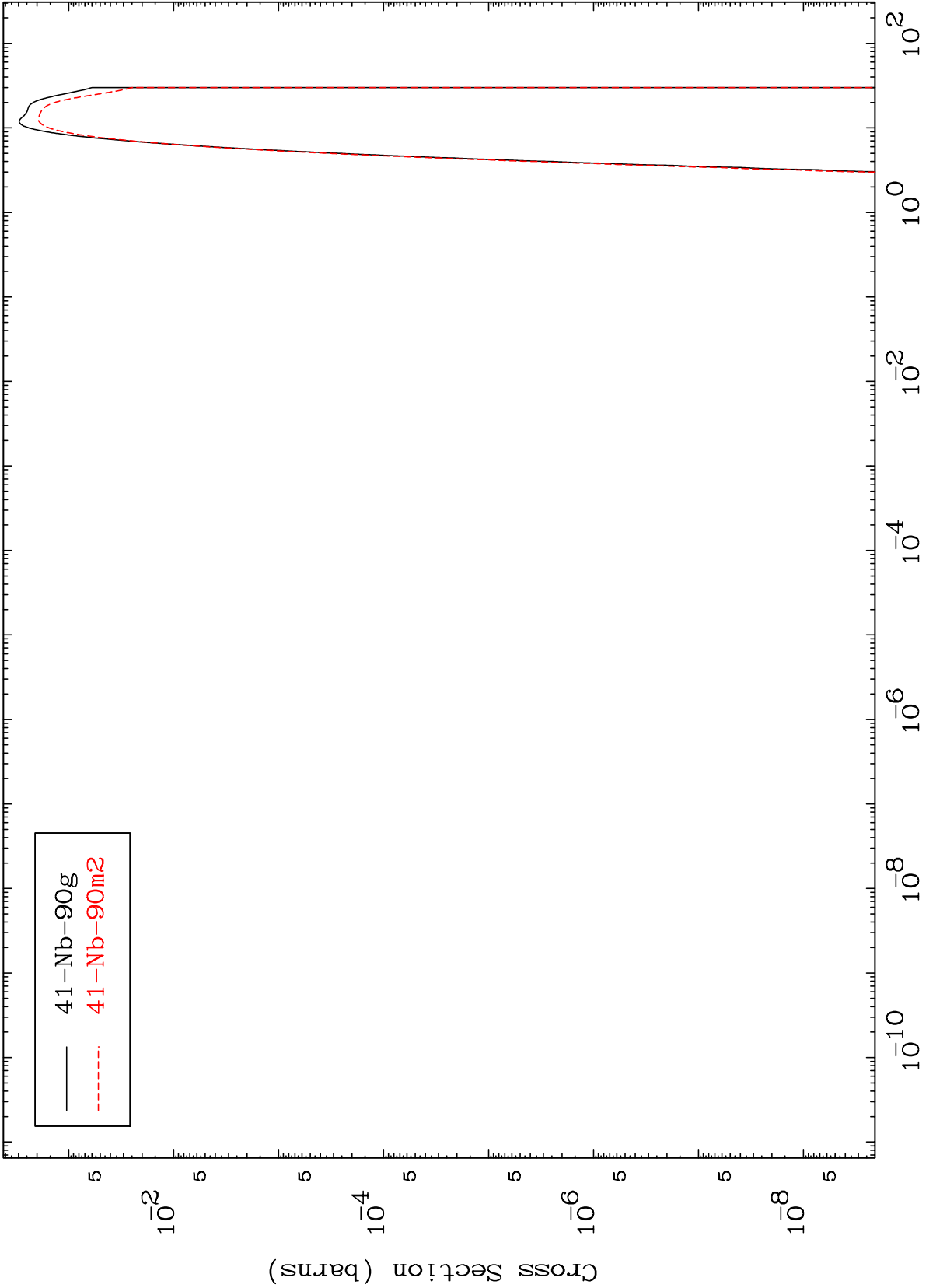


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(n,2p)

43-Tc-91m

Radionuclide Production Cross Section

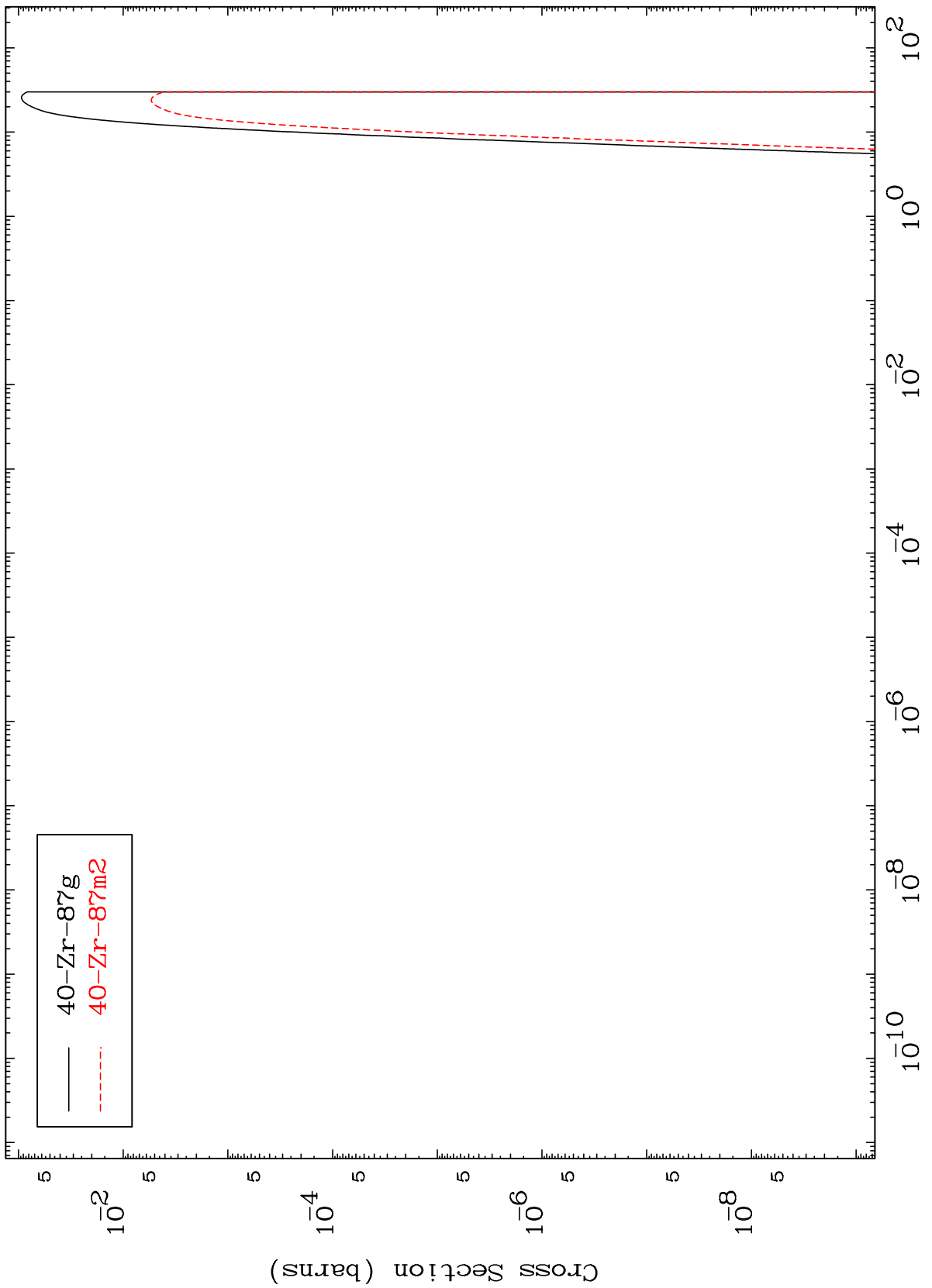


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(n,p) α

$^{43}\text{Tc-91m}$

Radionuclide Production Cross Section

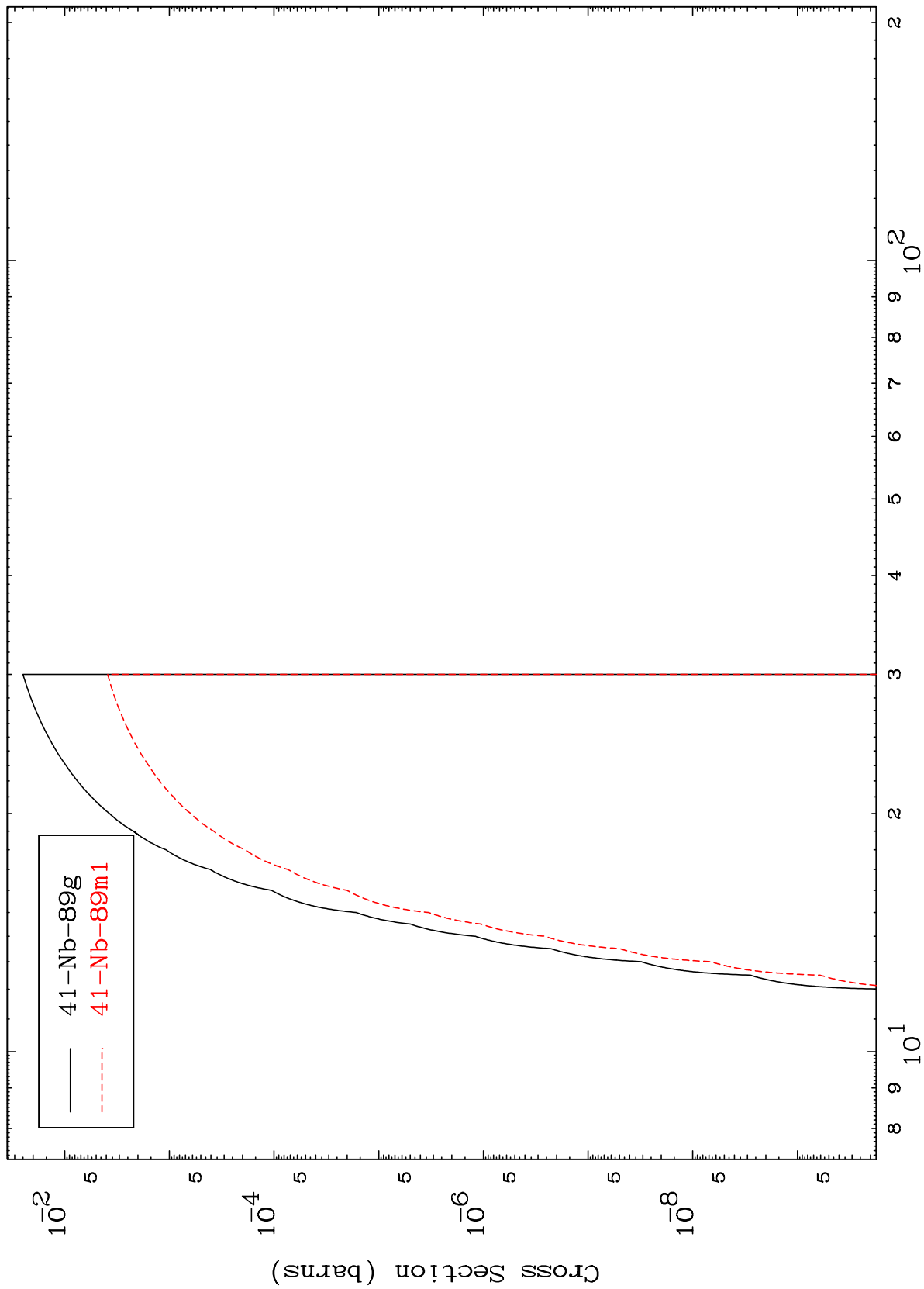


MAT 4302

(n,p) d

43-Tc-91m

Radionuclide Production Cross Section



34

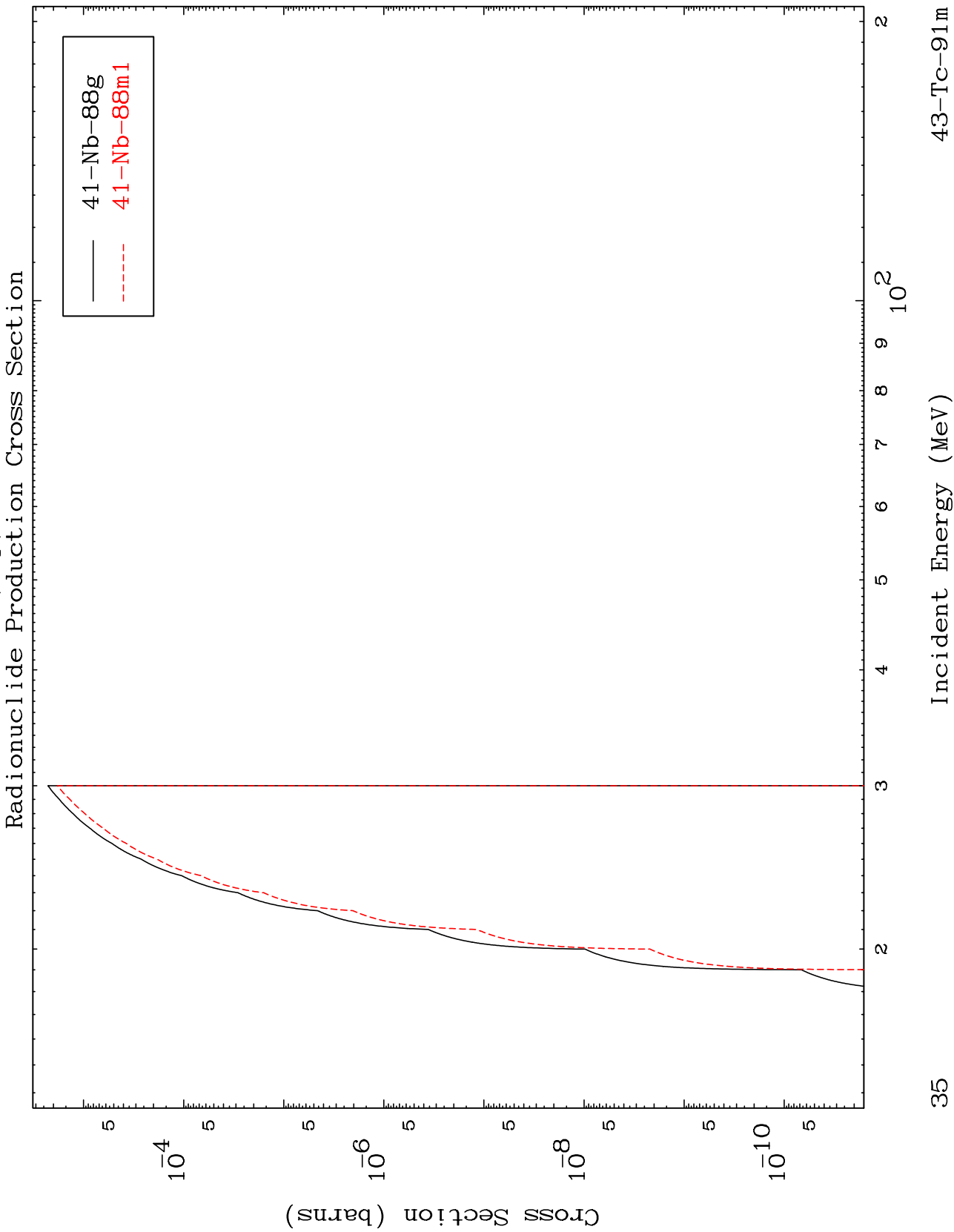
Incident Energy (MeV)

43-Tc-91m

MAT 4302

(n,p) t

43-Tc-91m



35

43-Tc-91m