

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

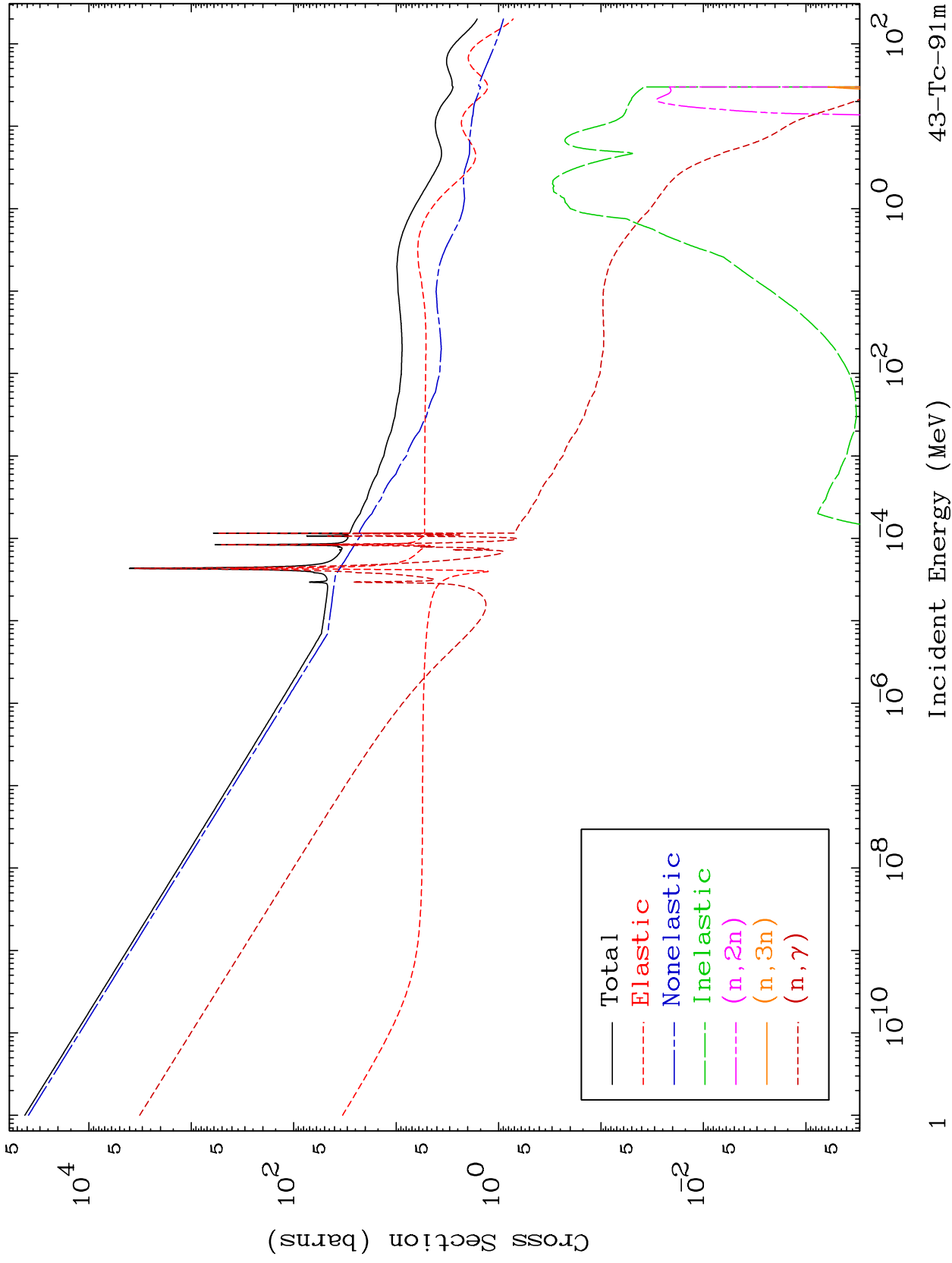
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4302

Neutron Major
293 Kelvin Cross Sections

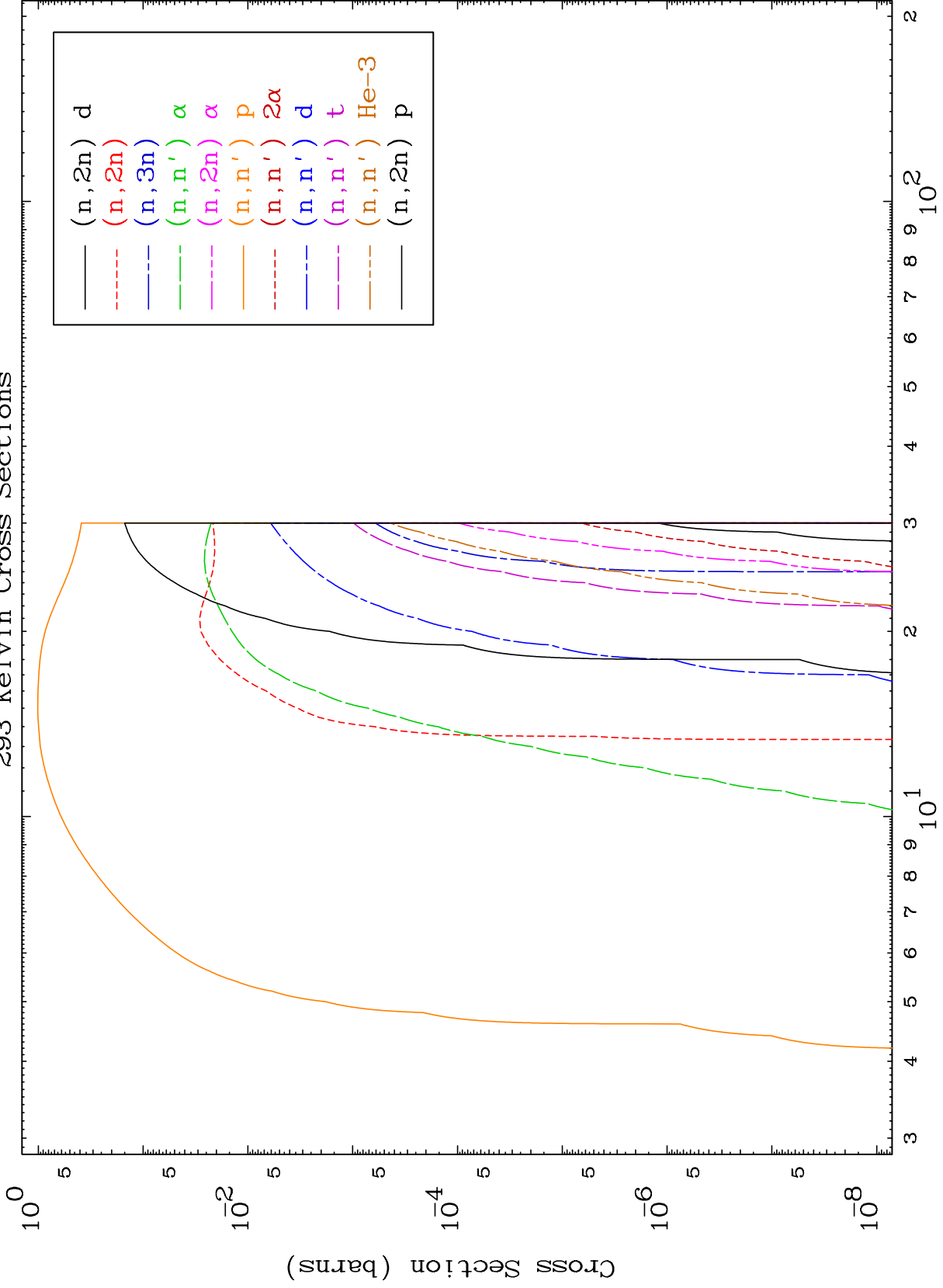
43-Tc-91m



MAT 4302

Neutron Absorption
293 Kelvin Cross Sections

43-Tc-91m



2

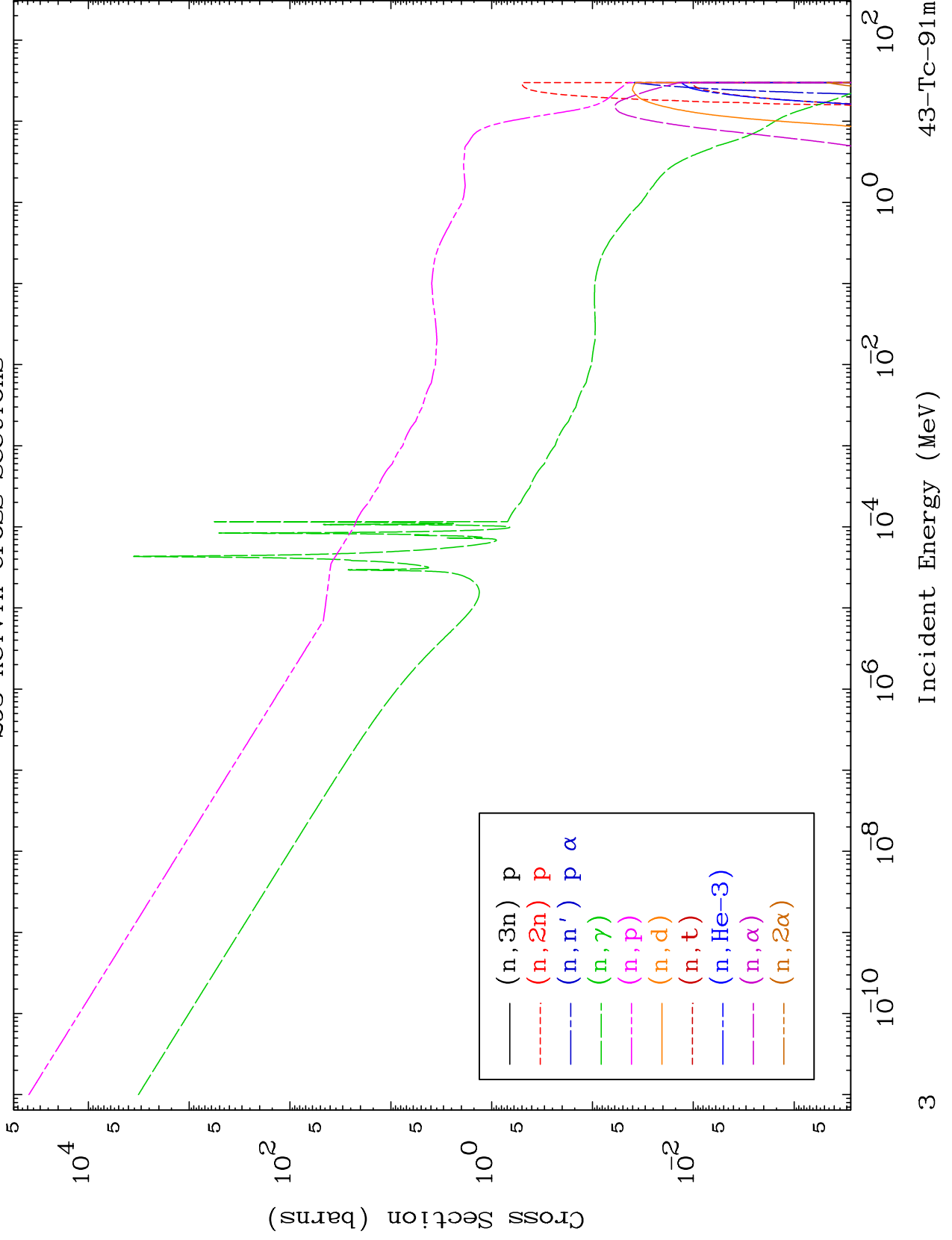
Incident Energy (MeV)

43-Tc-91m

MAT 4302

Neutron Absorption
293 Kelvin Cross Sections

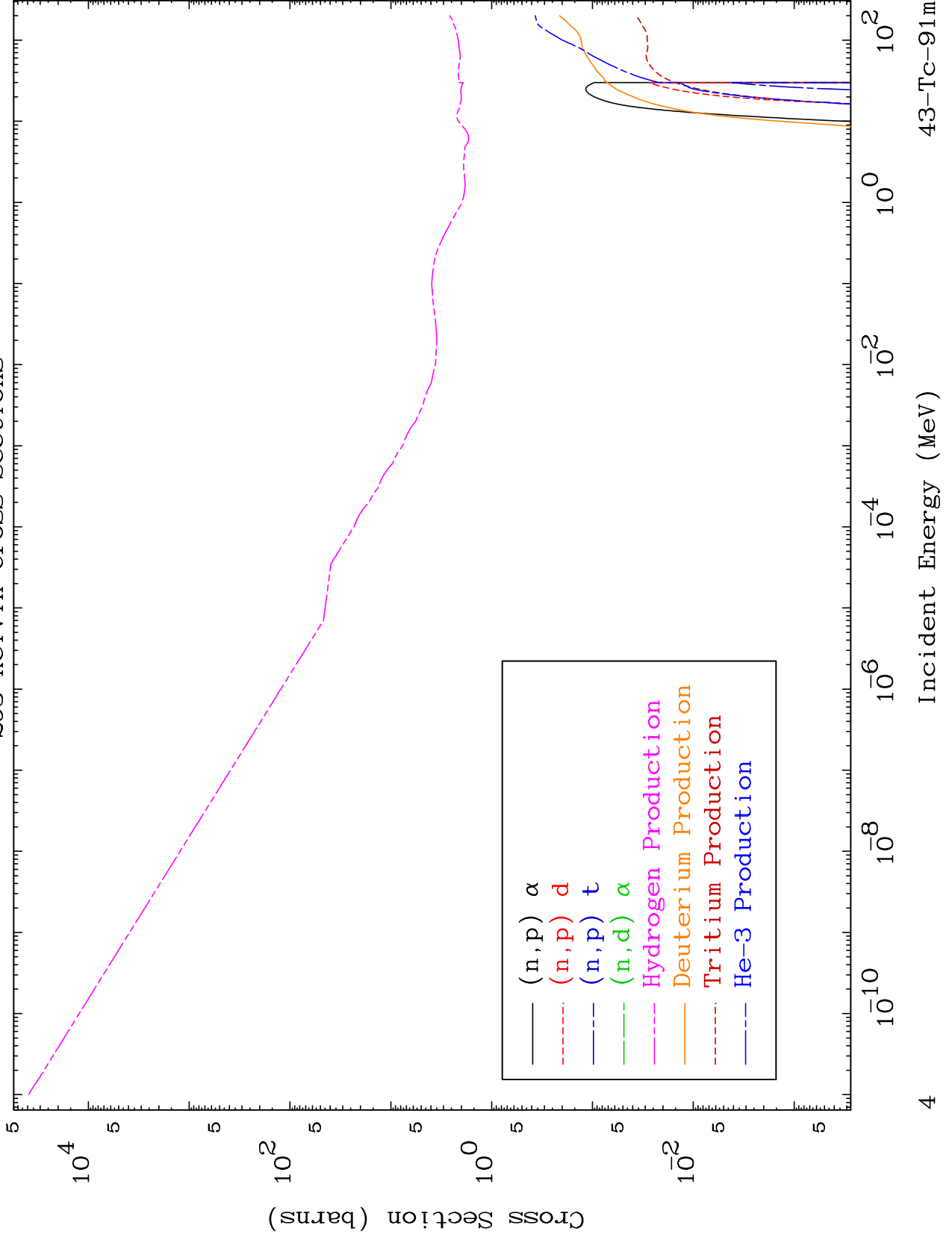
43-Tc-91m



MAT 4302

Neutron Absorption
293 Kelvin Cross Sections

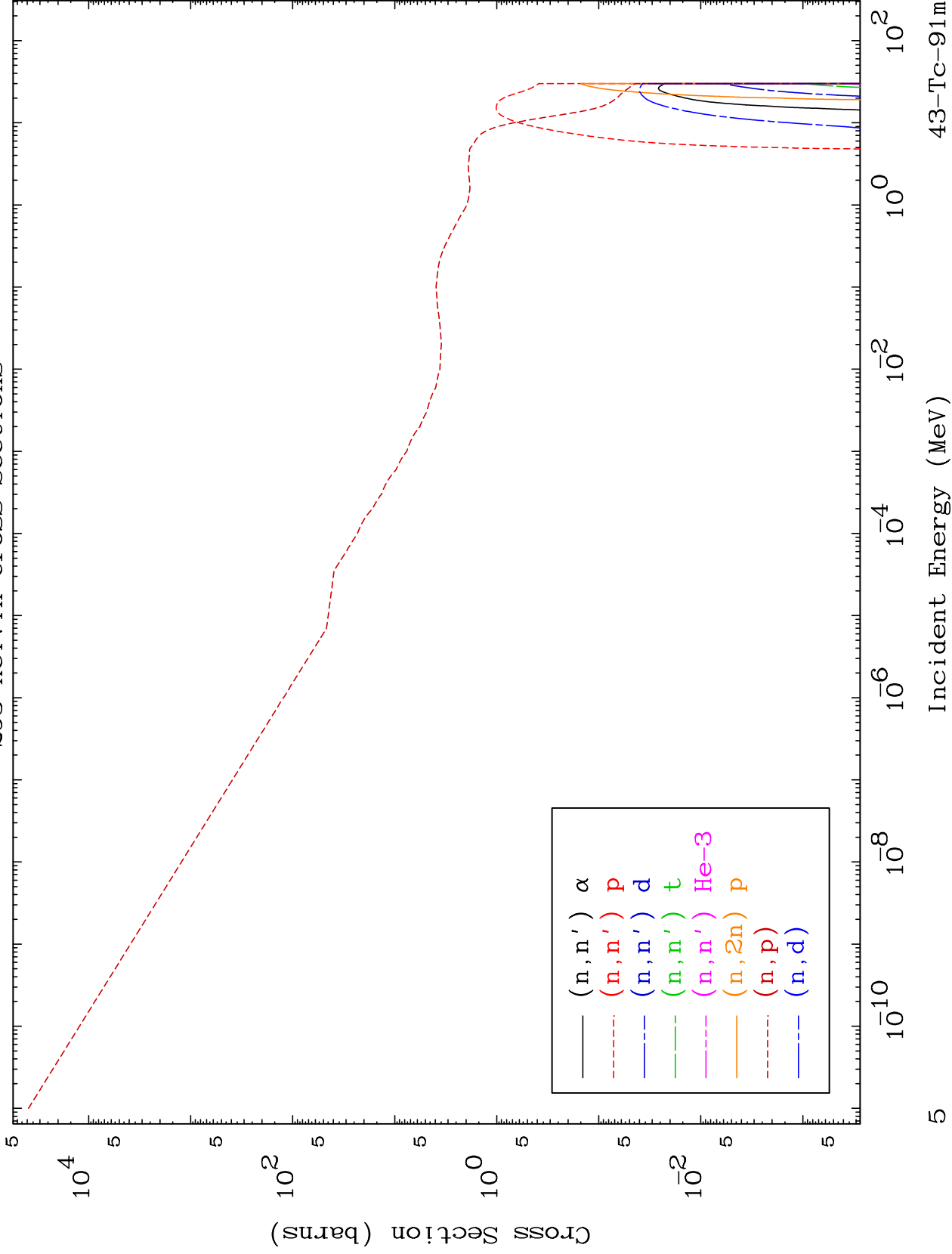
43-Tc-91m



MAT 4302

Charged Particle
293 Kelvin Cross Sections

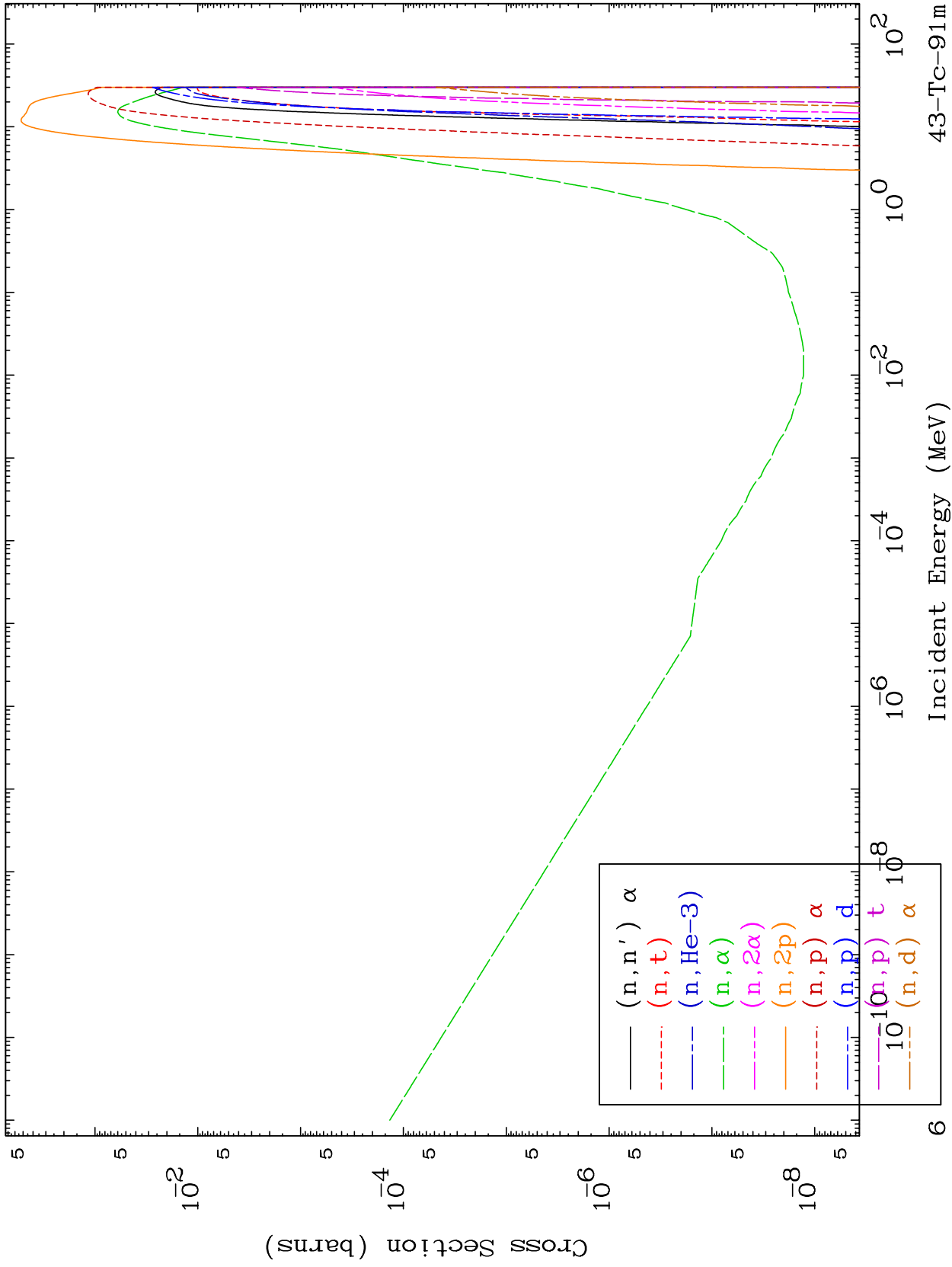
43-Tc-91m



MAT 4302

Charged Particle
293 Kelvin Cross Sections

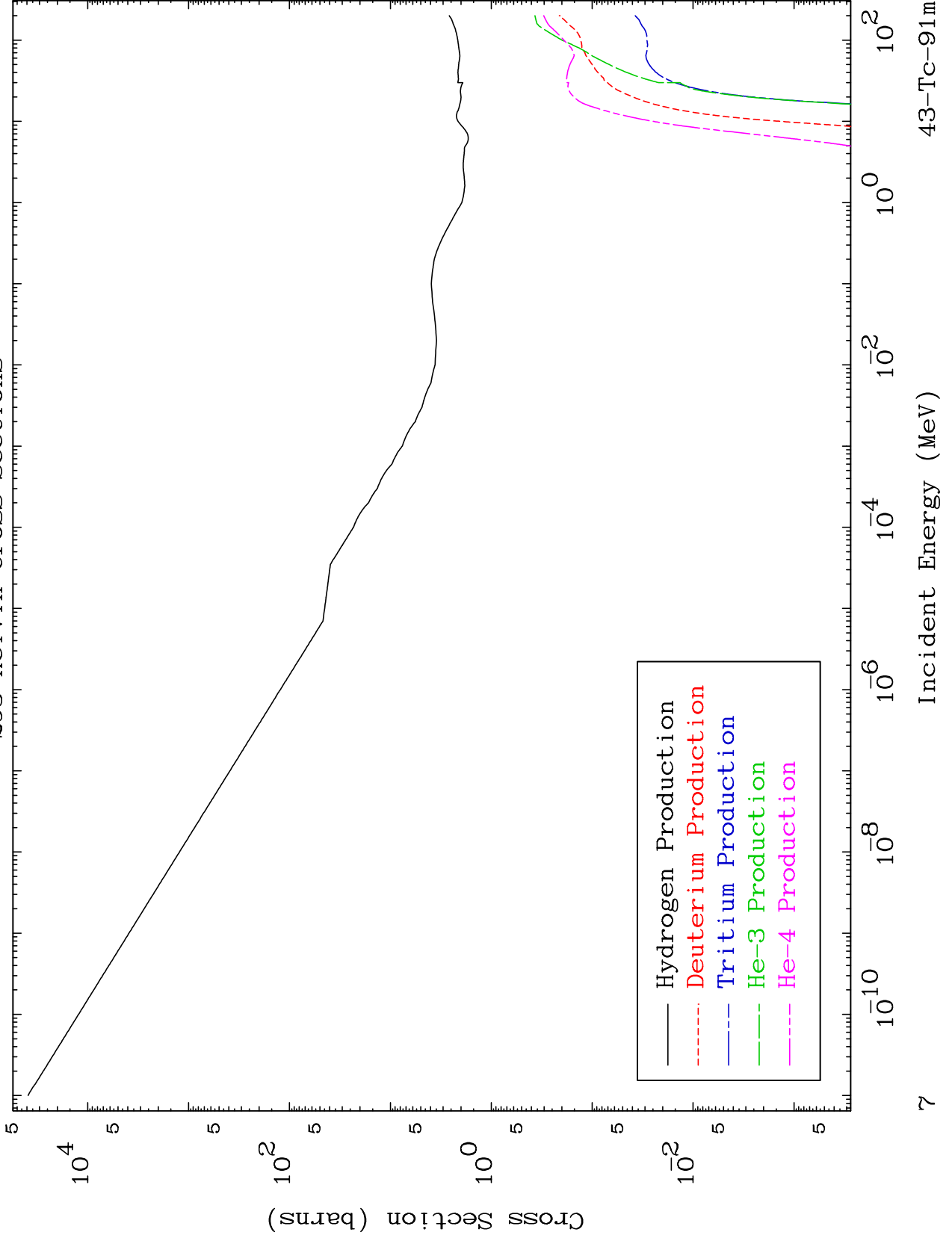
43-Tc-91m



MAT 4302

Particle Production
293 Kelvin Cross Sections

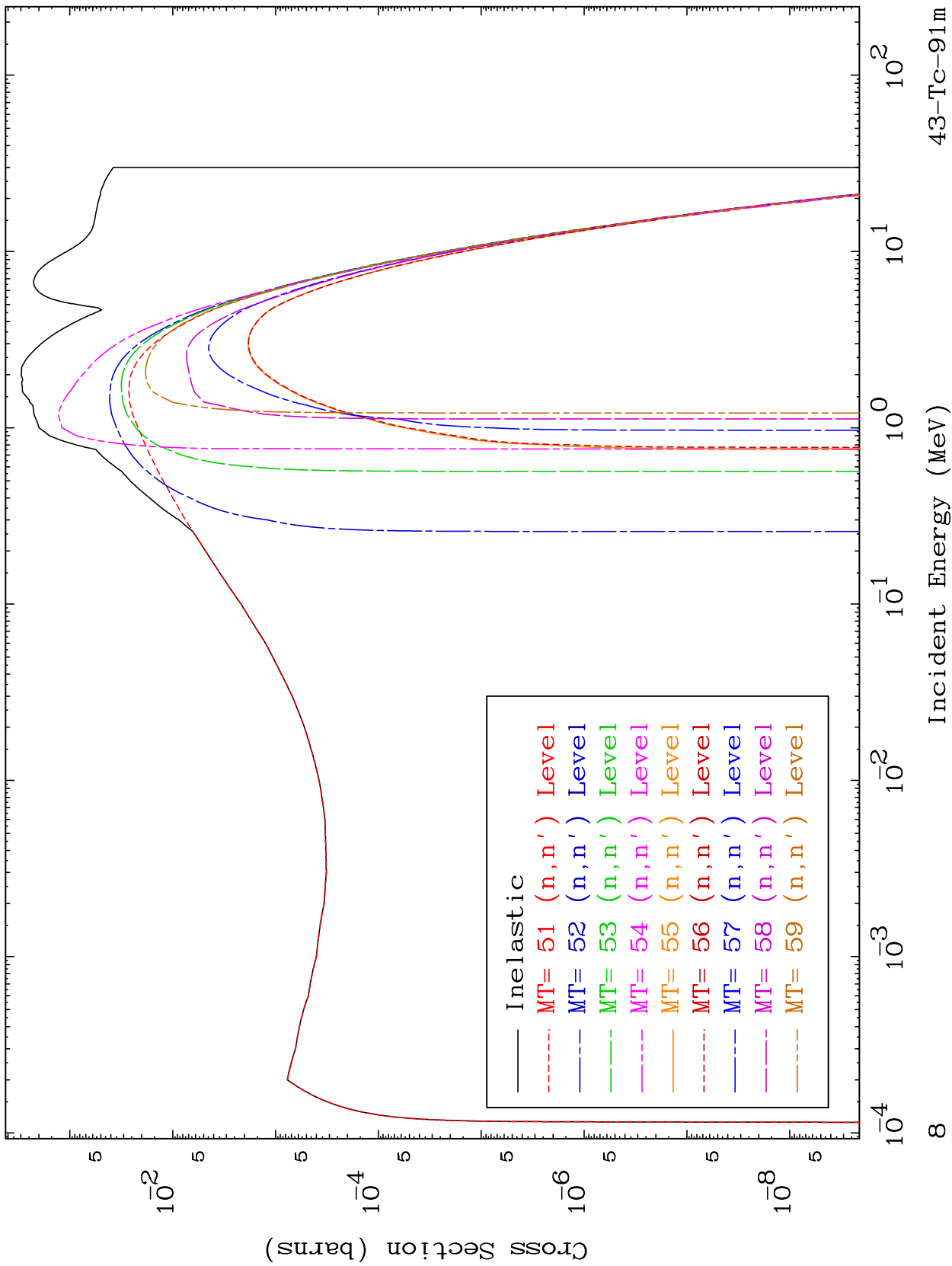
43-Tc-91m



MAT 4302

(n,n') Levels
293 Kelvin Cross Sections

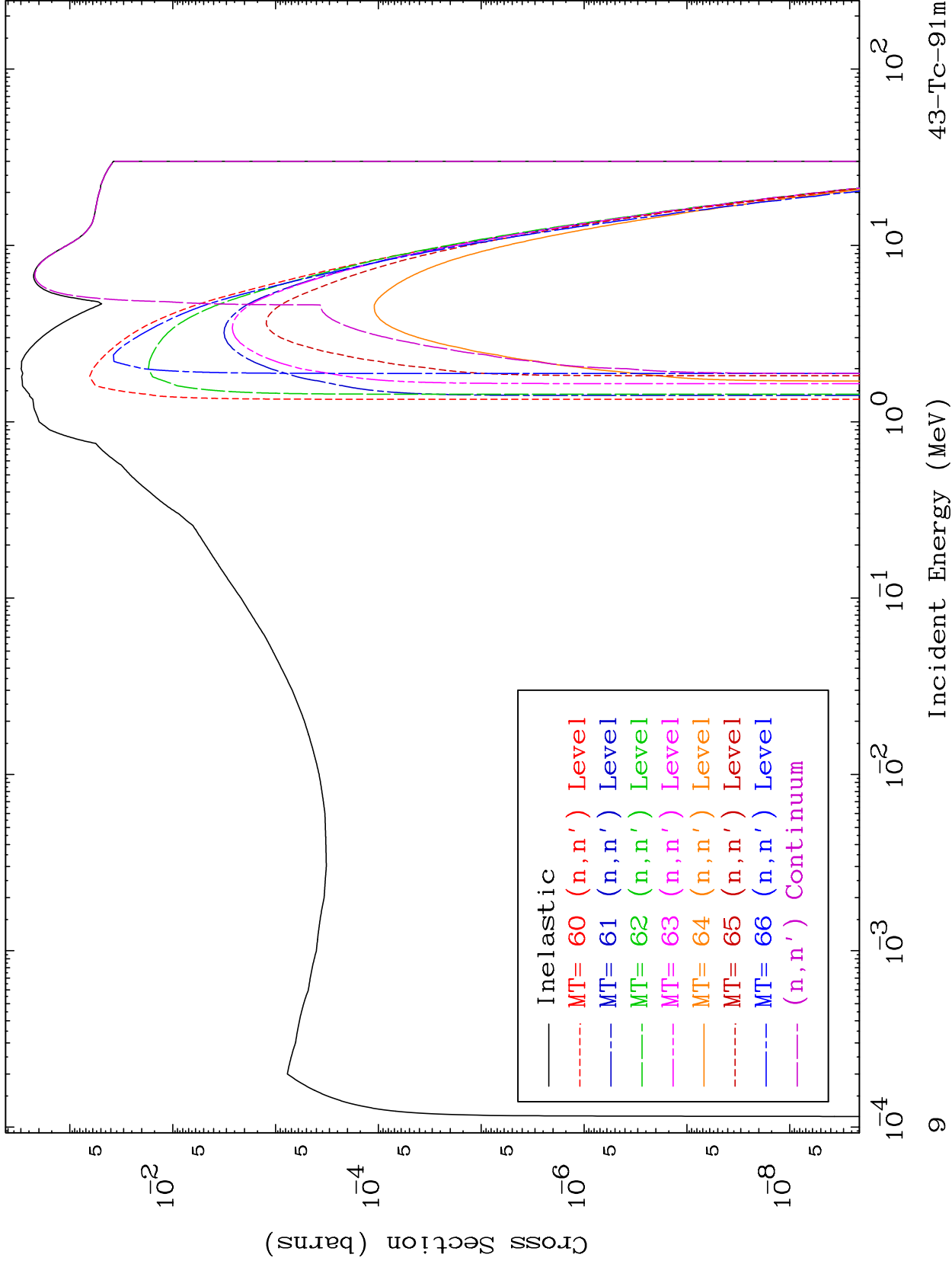
43-Tc-91m



MAT 4302

(n,n') Levels
293 Kelvin Cross Sections

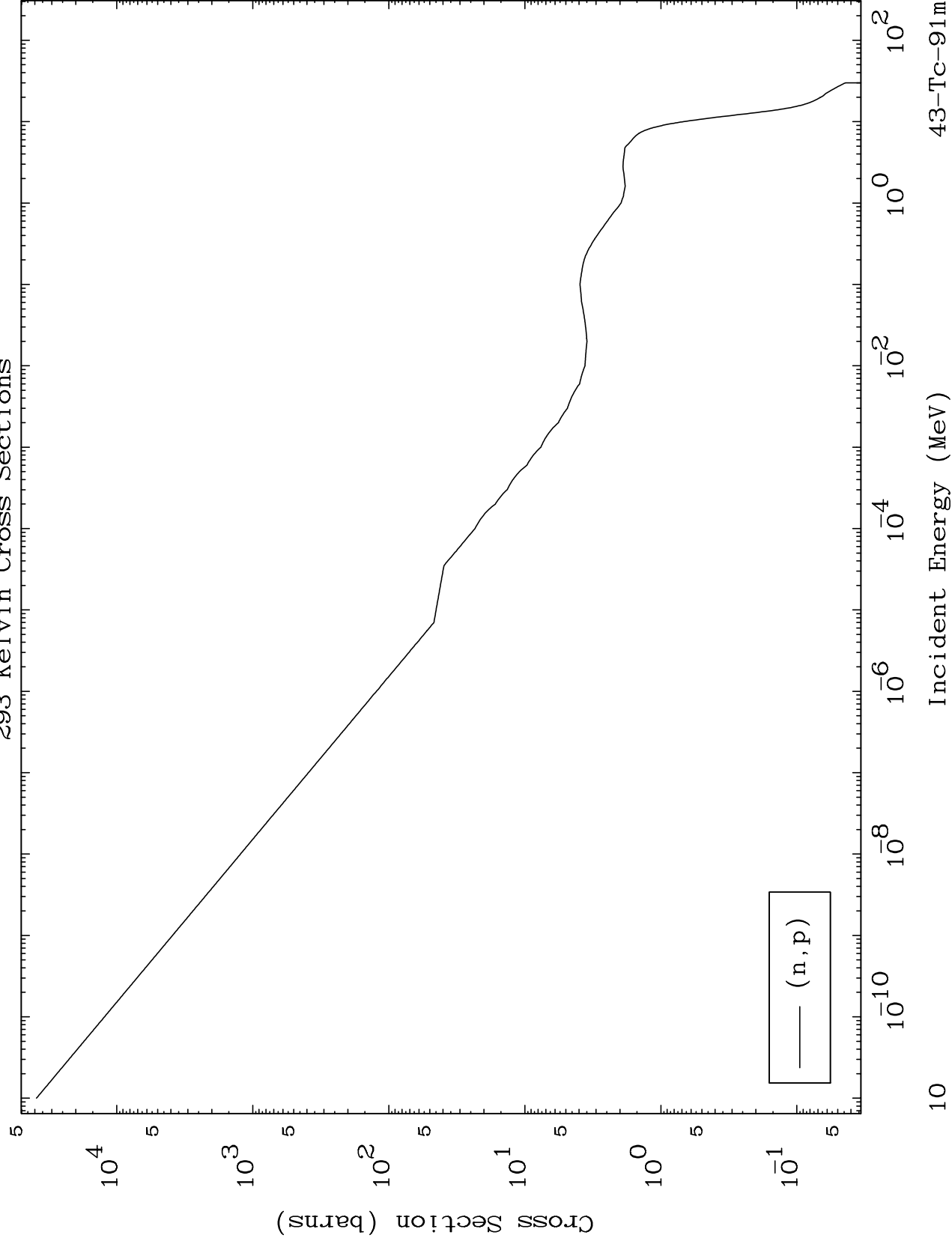
43-Tc-91m



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(n,p) Levels
293 Kelvin Cross Sections

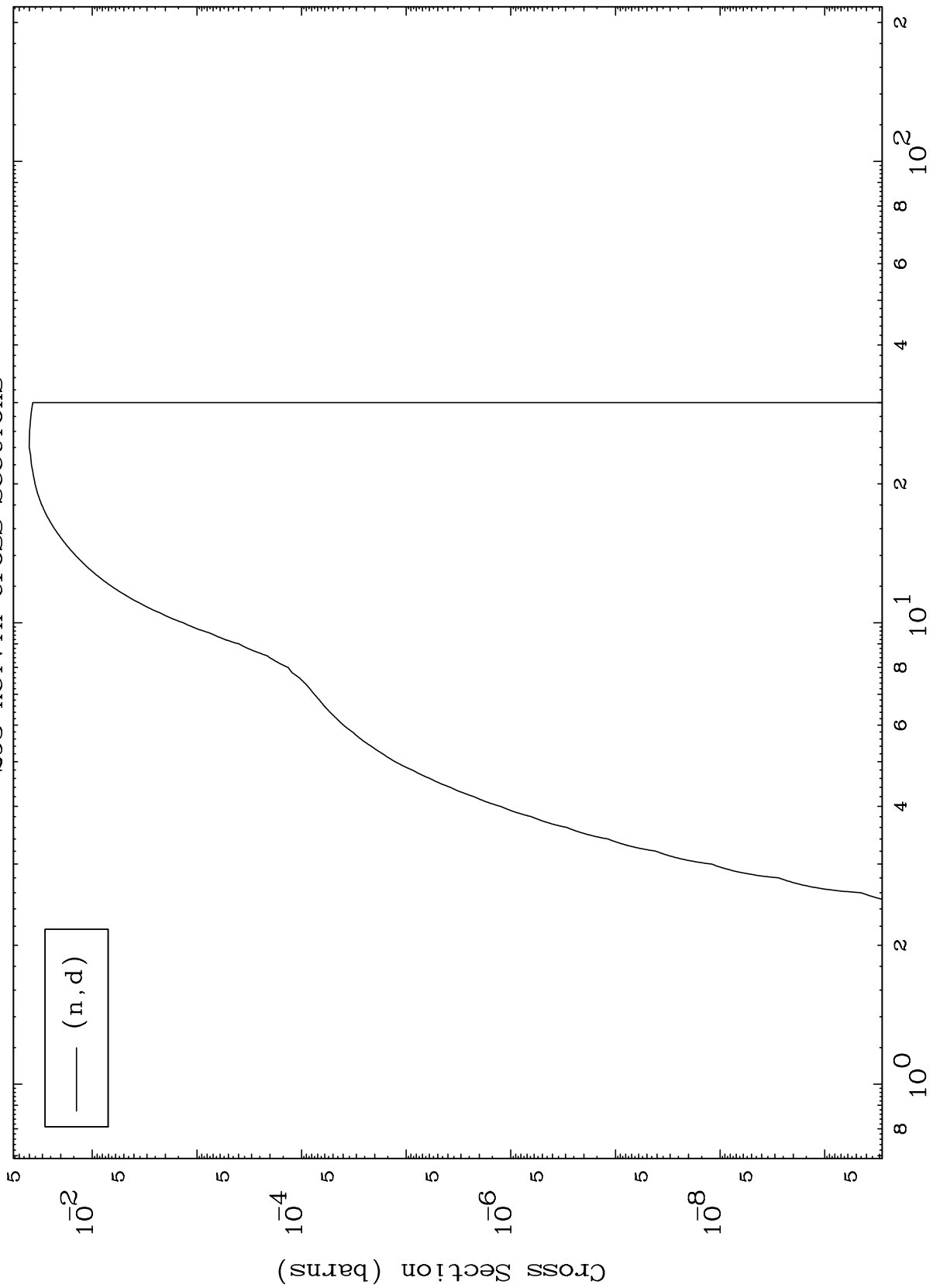
43-Tc-91m



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(n,d) Levels
293 Kelvin Cross Sections

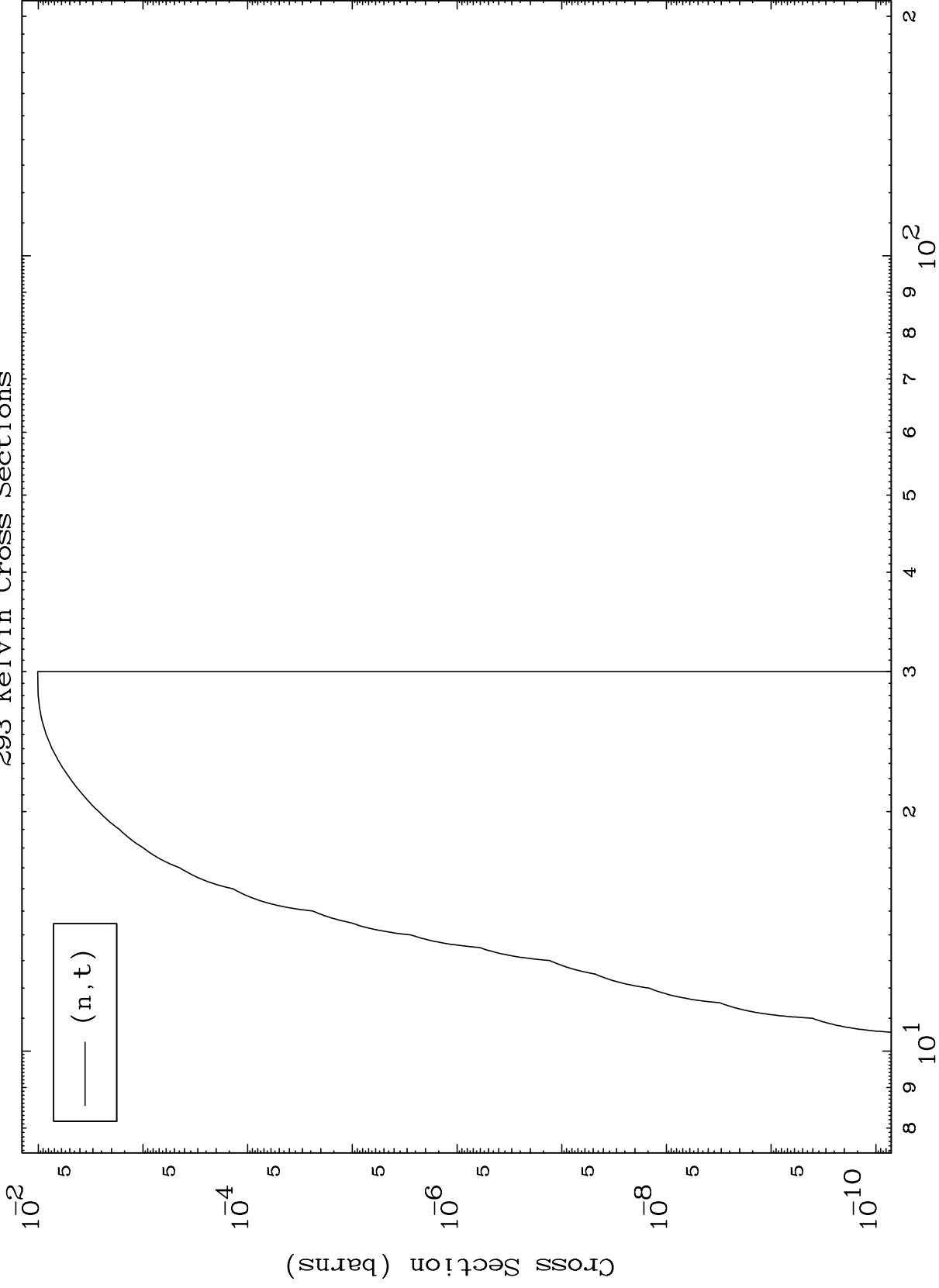
43-Tc-91m



MAT 4302

(n,t) Levels
293 Kelvin Cross Sections

43-Tc-91m



12

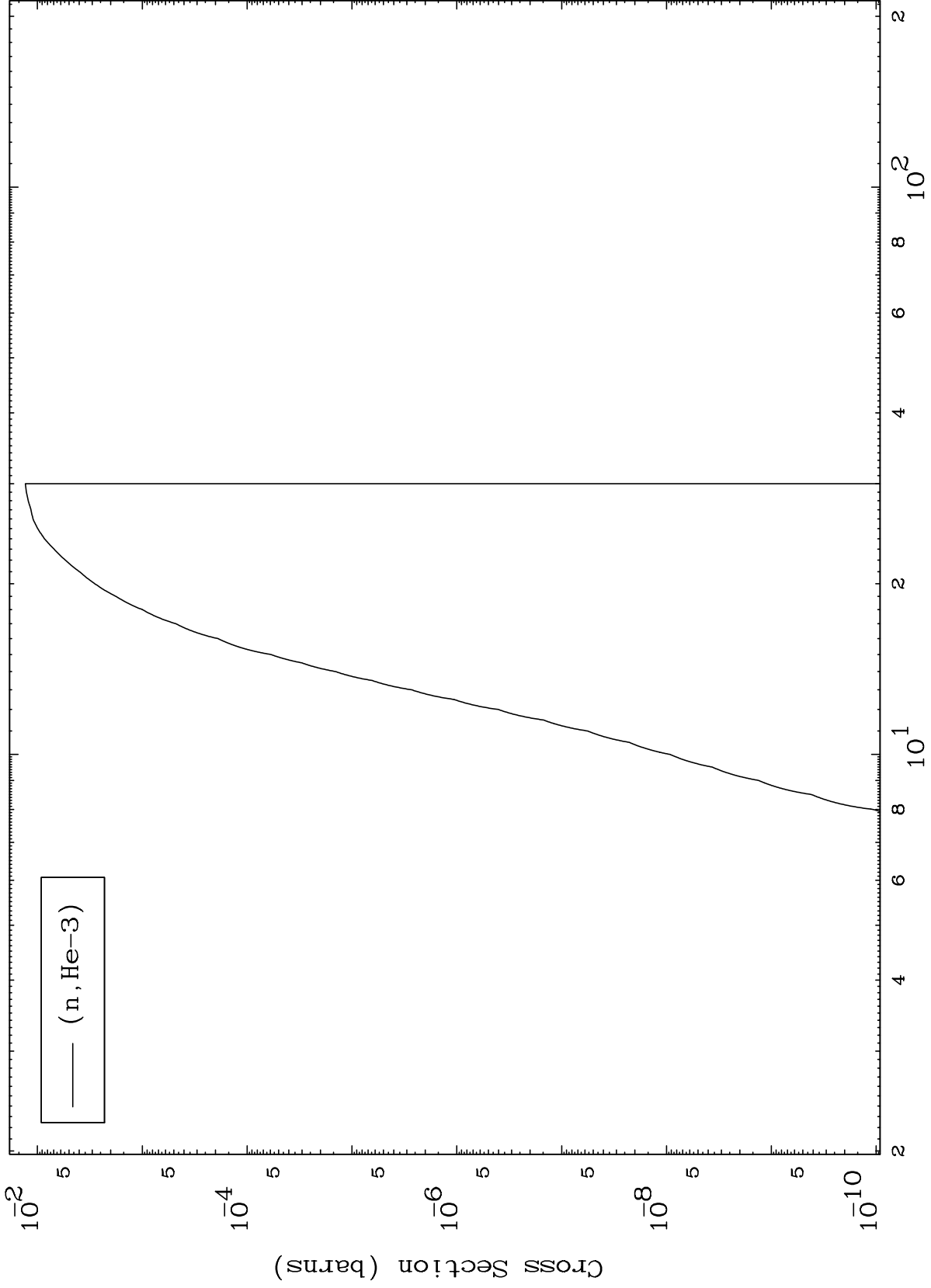
Incident Energy (MeV)

43-Tc-91m

MAT 4302

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-91m



13

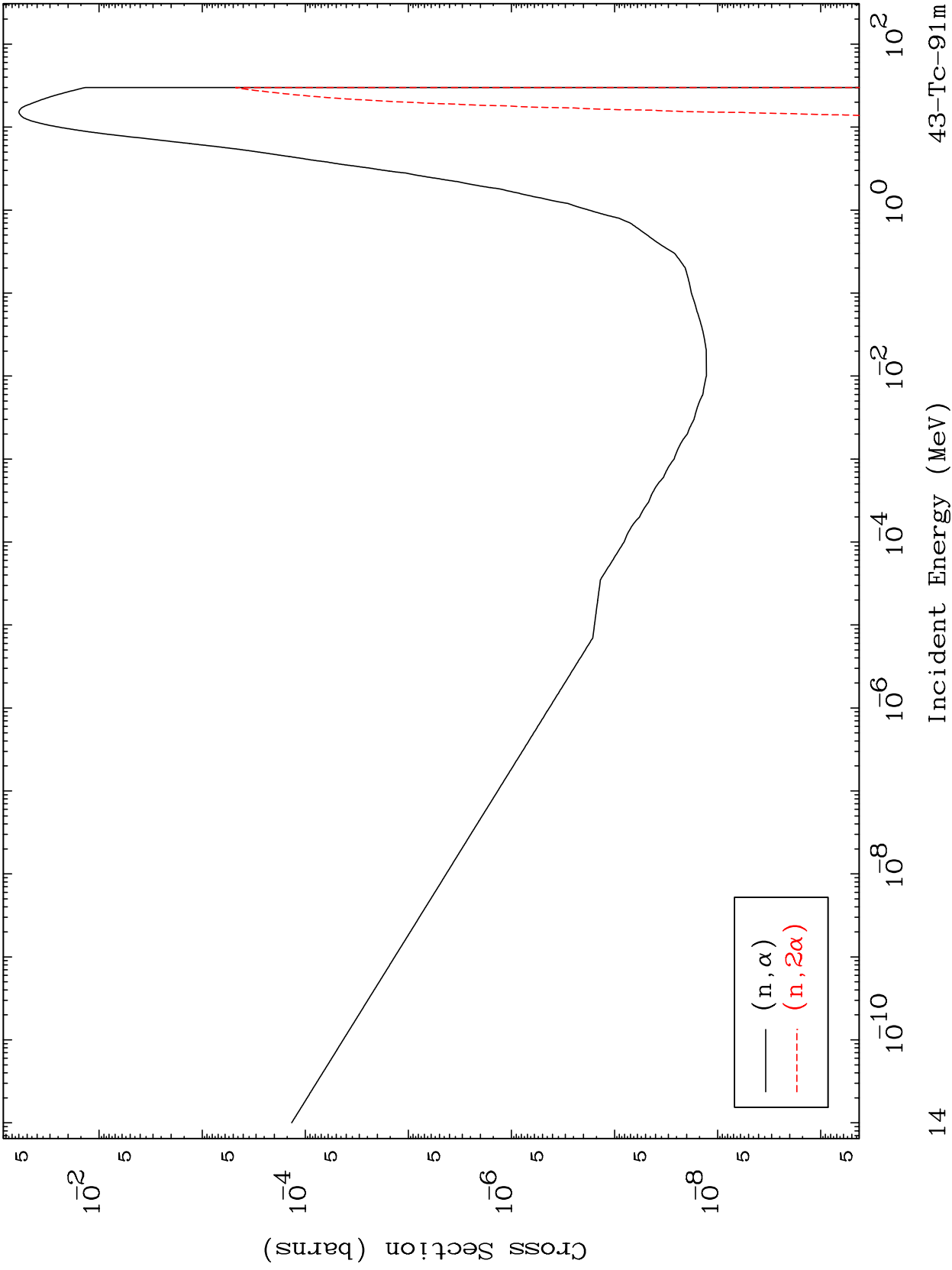
Incident Energy (MeV)

43-Tc-91m

MAT 4302

(n, α) Levels
293 Kelvin Cross Sections

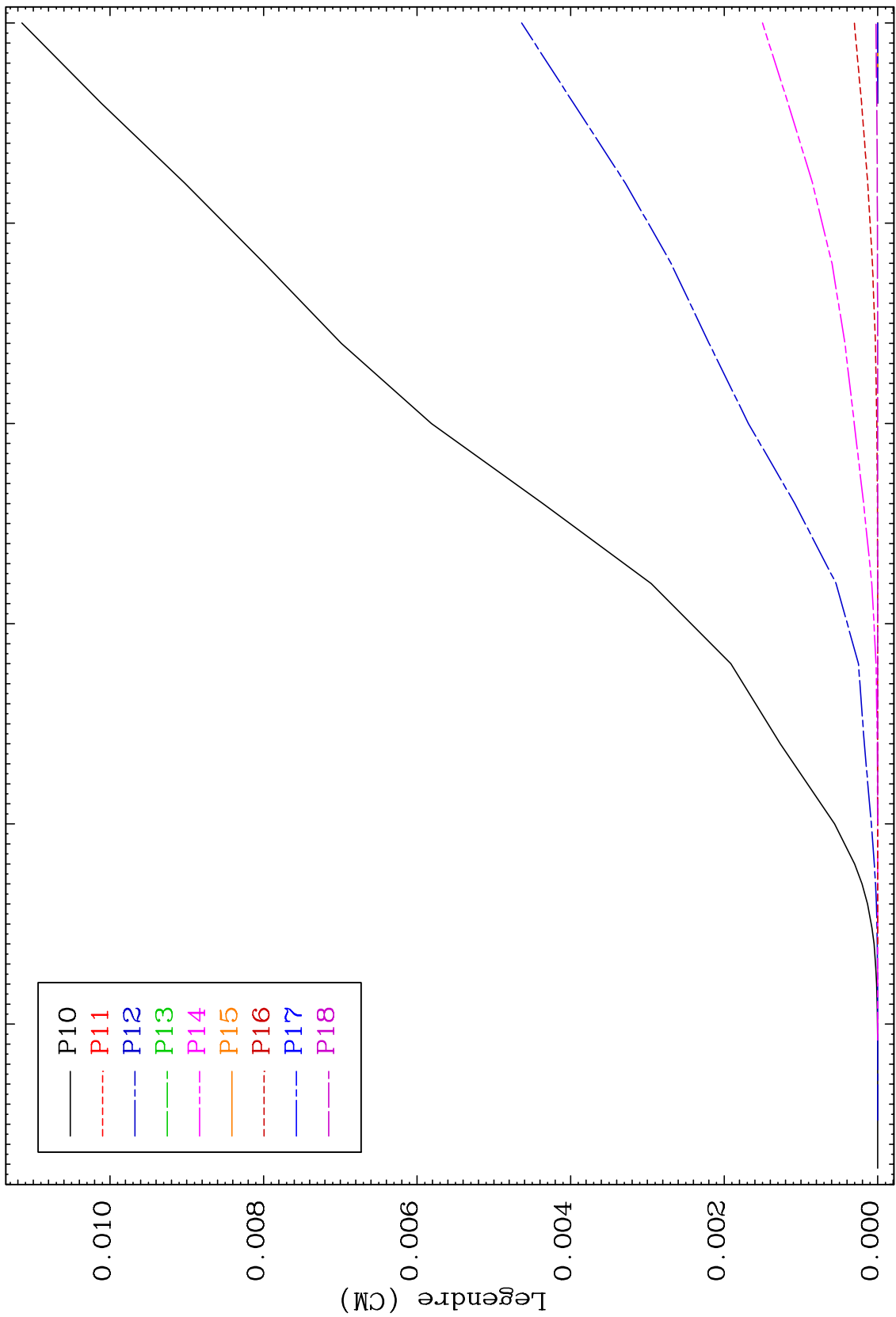
43-Tc-91m



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Elastic Legendre Coefficients

43-Tc-91m



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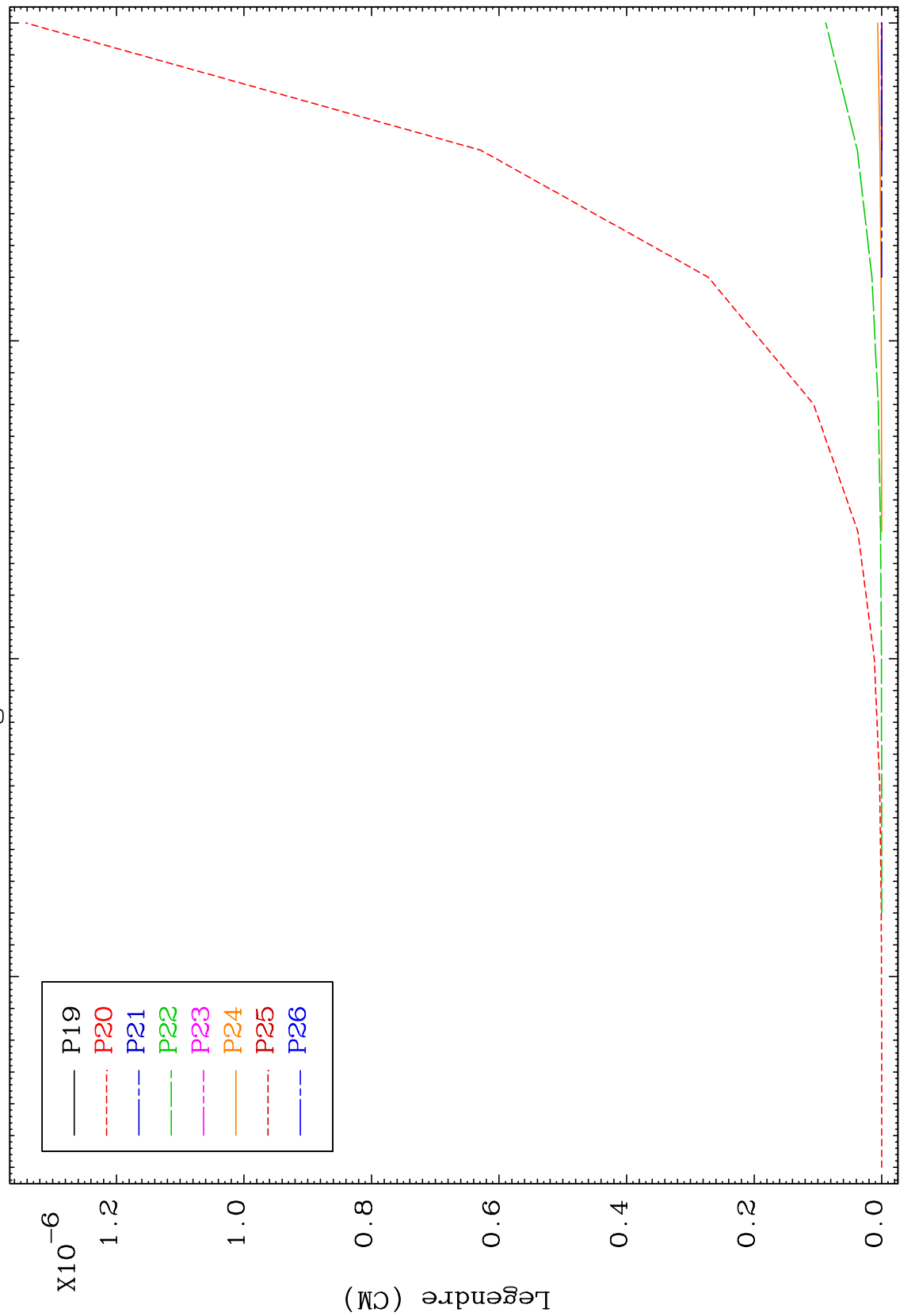
43-Tc-91m

Incident Energy (MeV)

MAT 4302

Elastic
Legendre Coefficients

43-Tc-91m



17

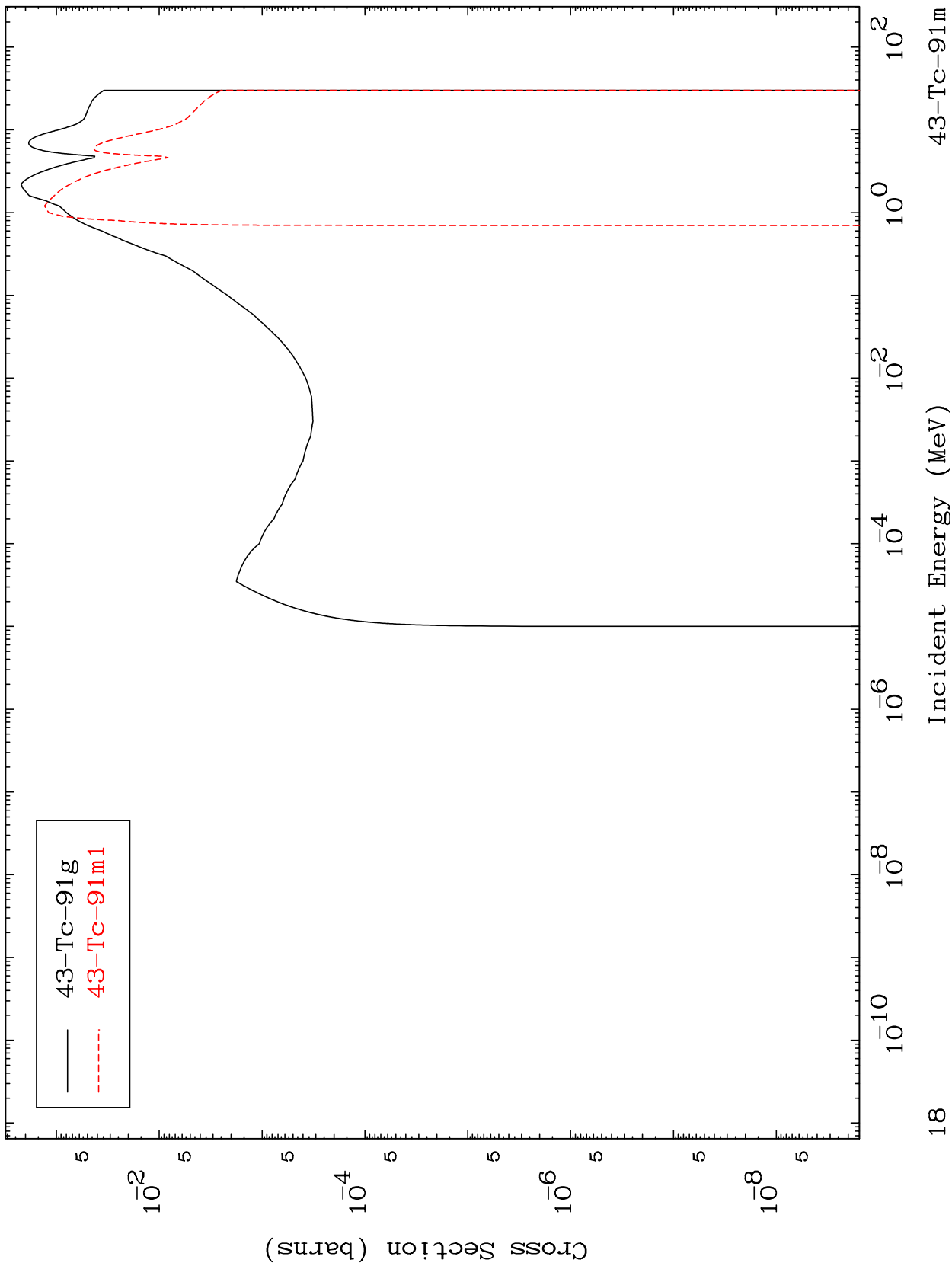
Incident Energy (MeV)

43-Tc-91m

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43-Tc-91m

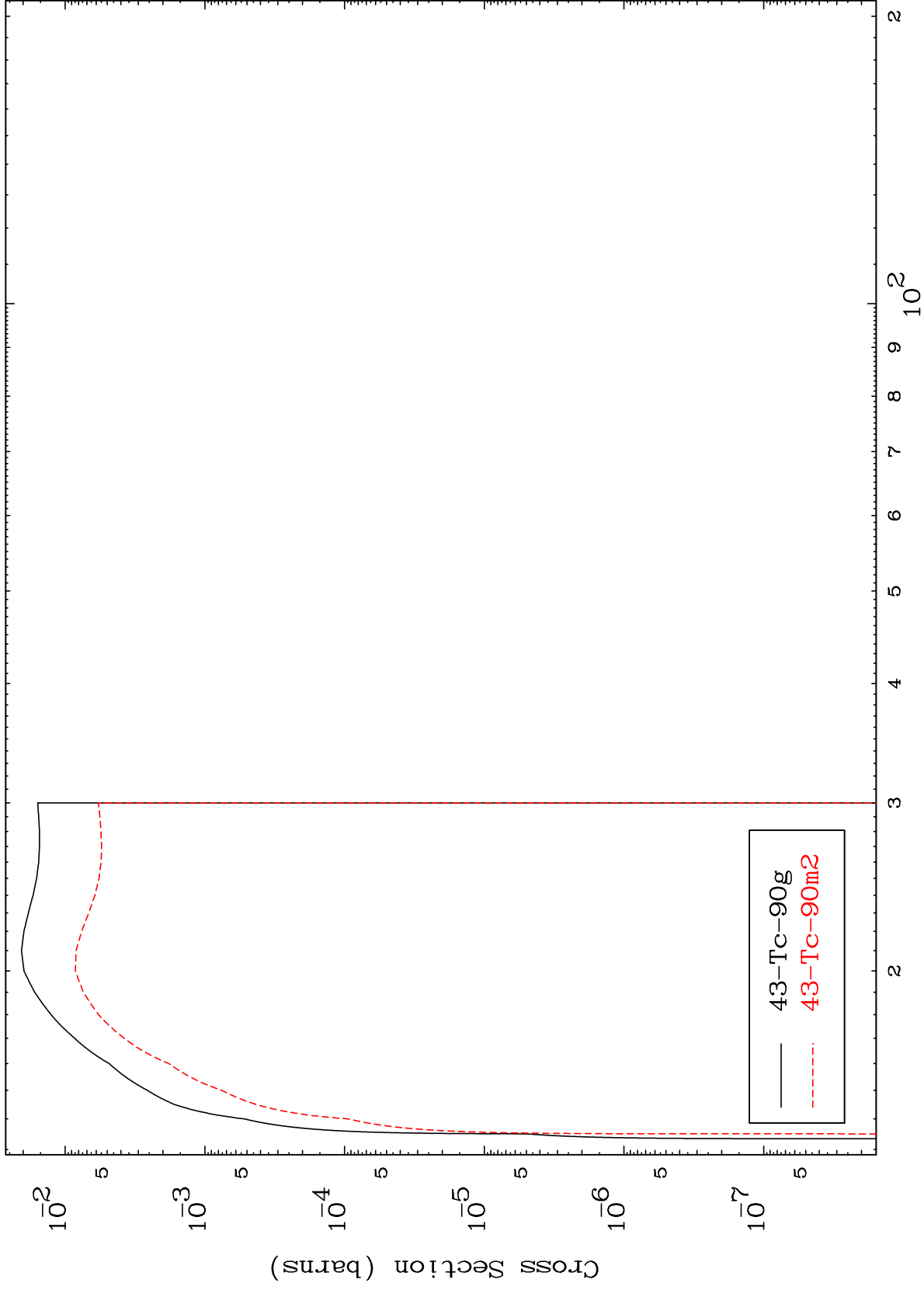
Inelastic
Radionuclide Production Cross Section



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43-Tc-91m

(n,2n)
Radionuclide Production Cross Section



43-Tc-91m

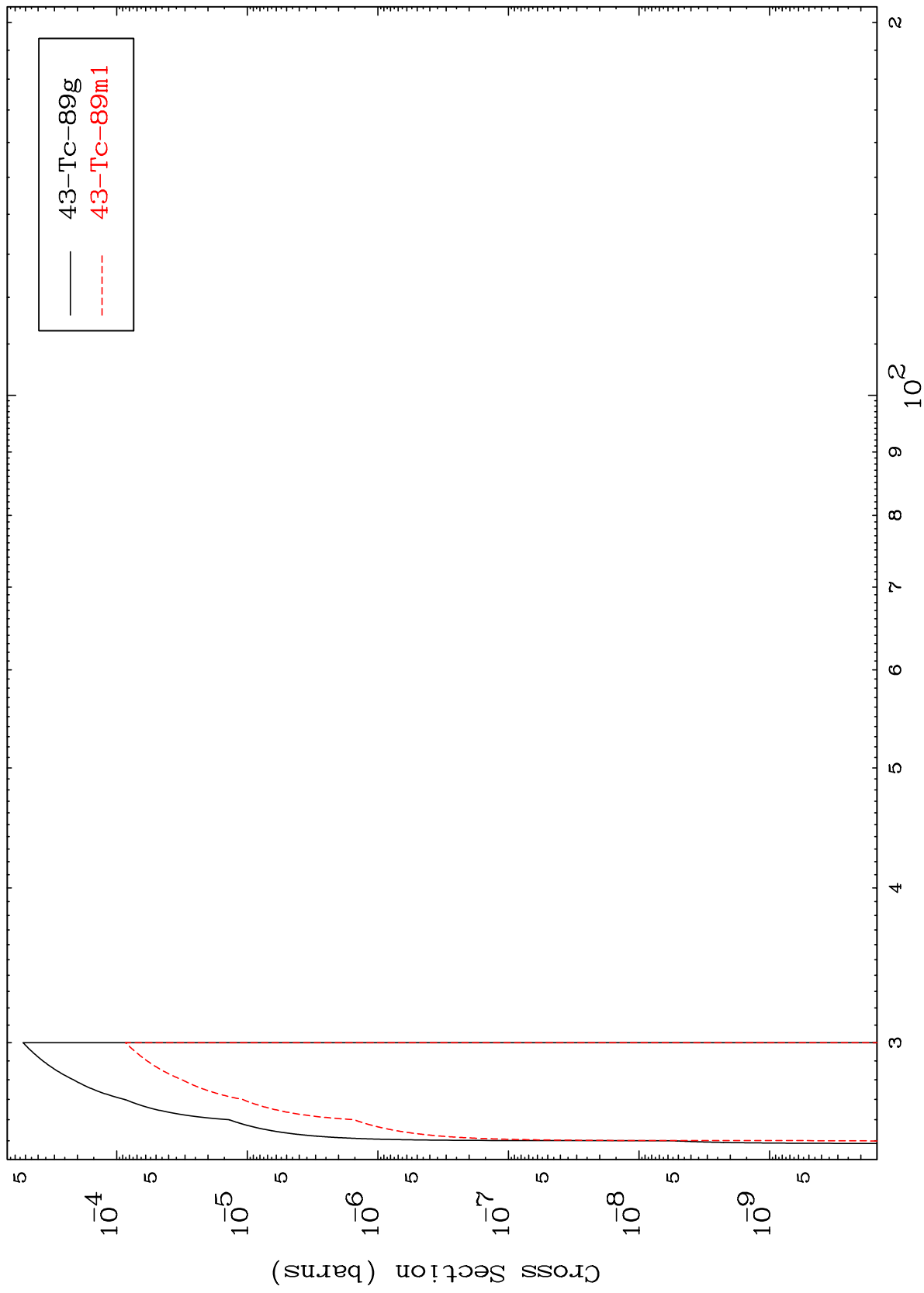
Incident Energy (MeV)

19

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43-Tc-91m

(n,3n)
Radionuclide Production Cross Section



43-Tc-91m

Incident Energy (MeV)

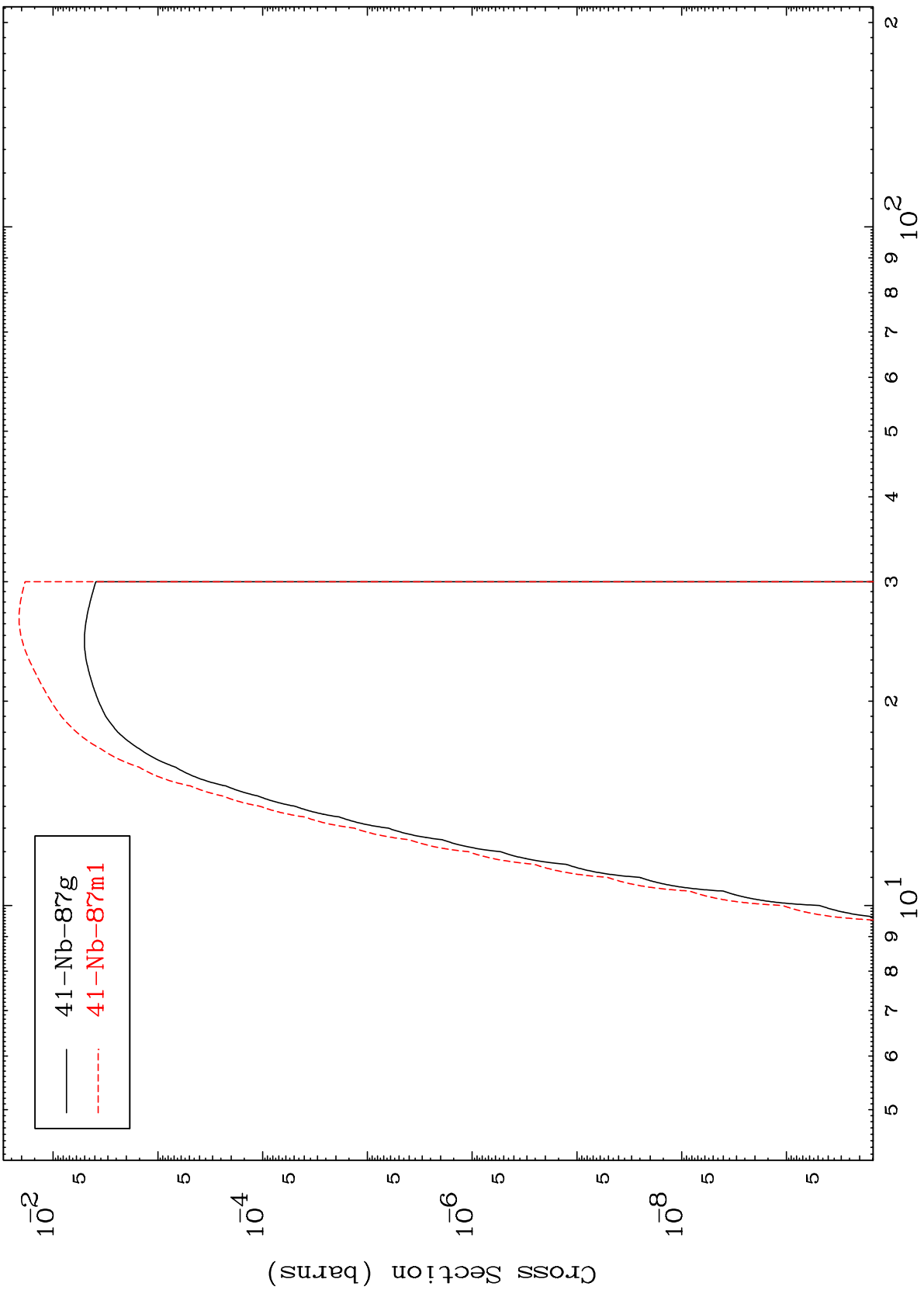
20

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43-Tc-91m

(n,n') α

Radionuclide Production Cross Section



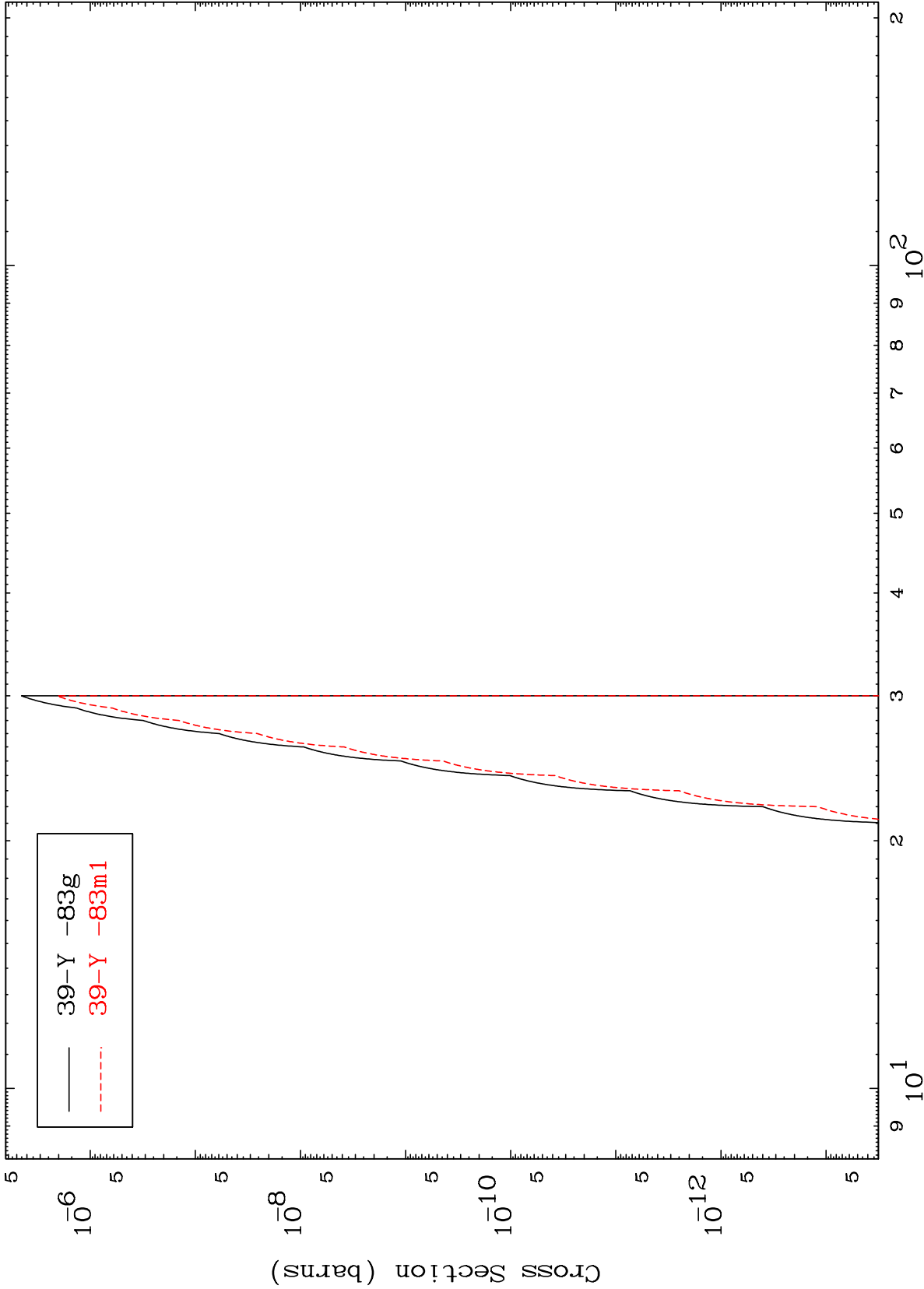
— 41-Nb-87g
- - - 41-Nb-87m1

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(n,n') 2α

43-Tc-91m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

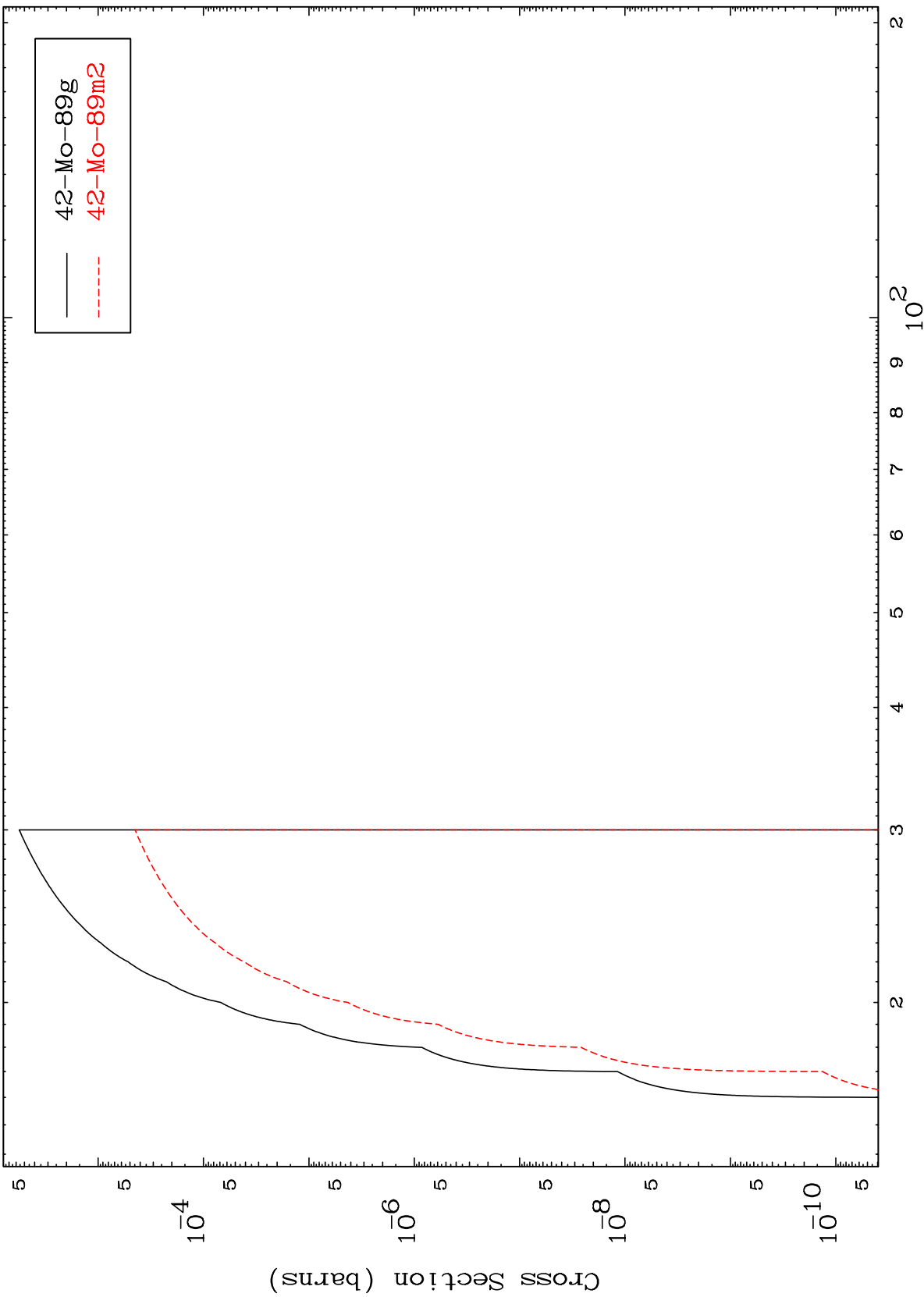
43-Tc-91m

MAT 4302

(n,n') d

43-Tc-91m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

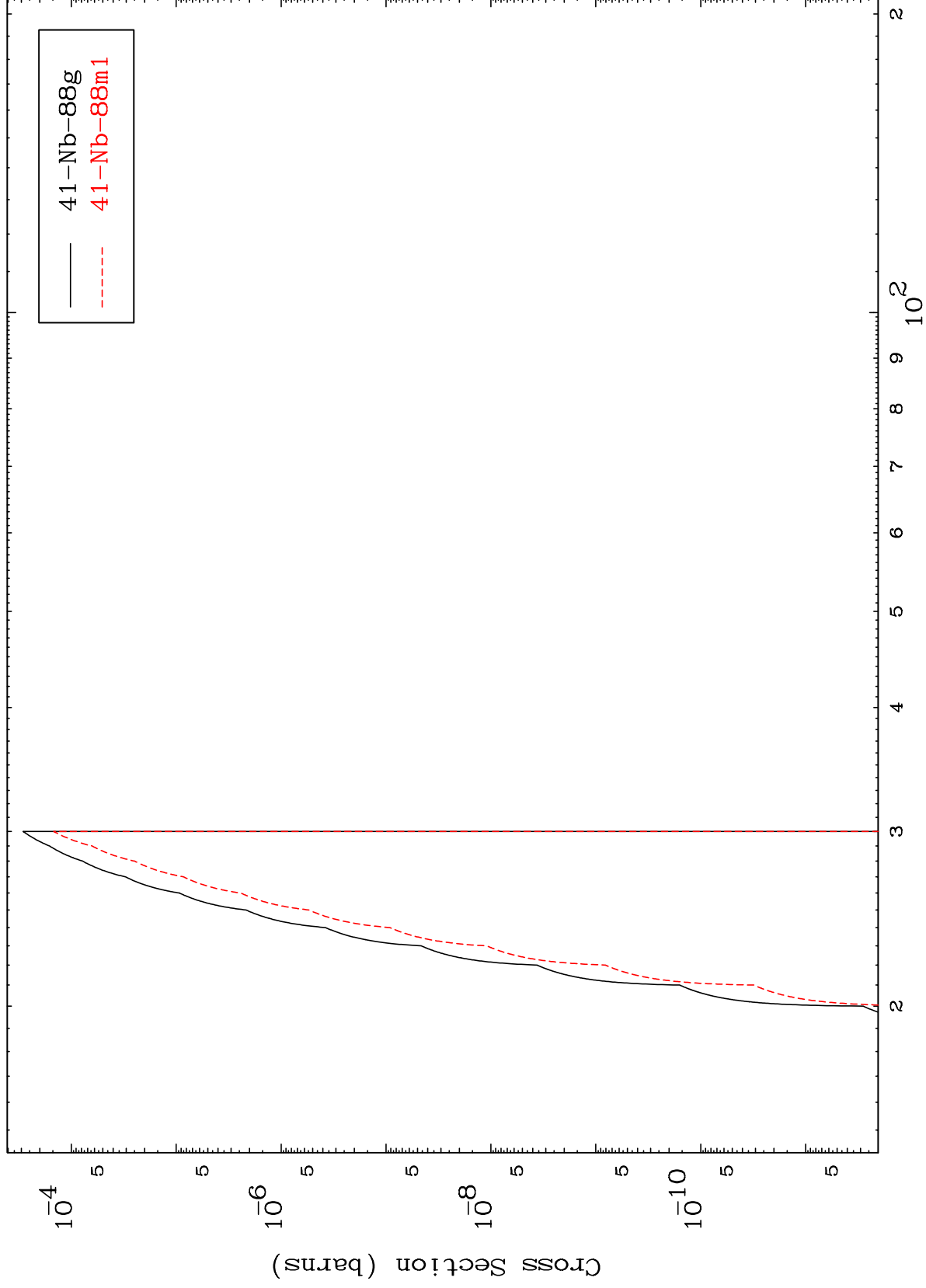
43-Tc-91m

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(n,n') He-3

43-Tc-91m

Radionuclide Production Cross Section

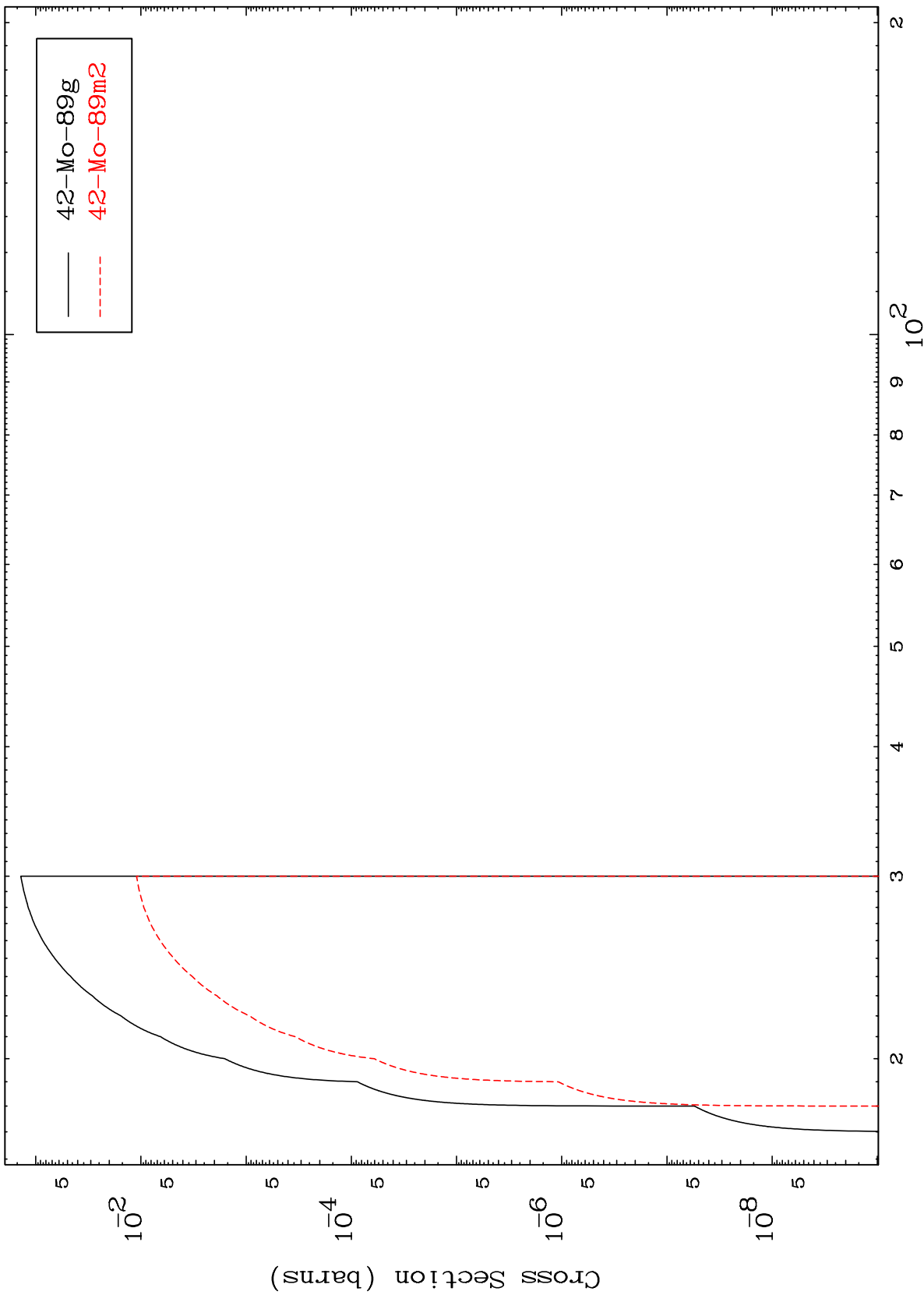


24

Incident Energy (MeV)

43-Tc-91m

Radionuclide Production Cross Section

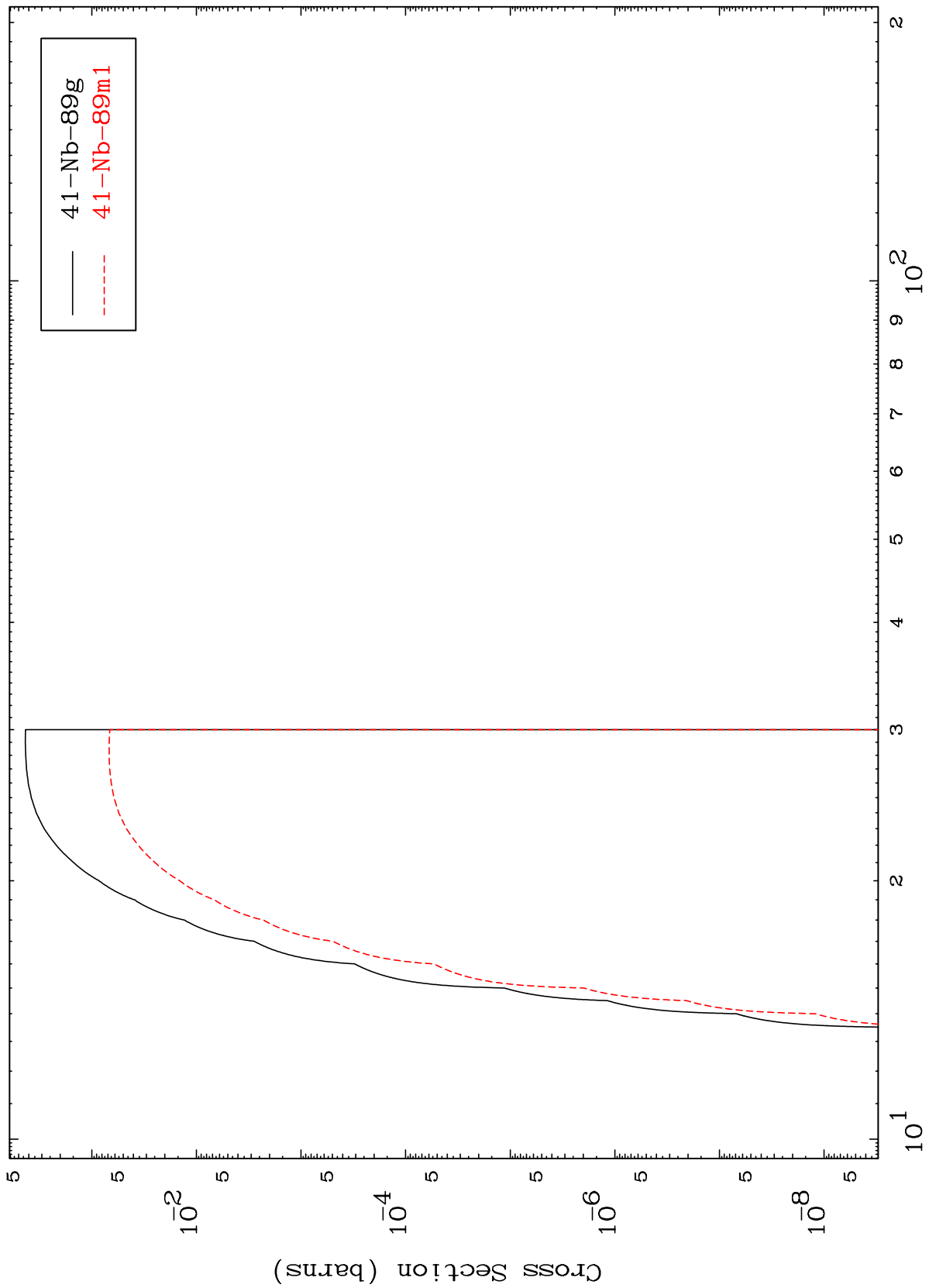


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(n,2n) p

43-Tc-91m

Radionuclide Production Cross Section



41-Nb-89g
41-Nb-89m1

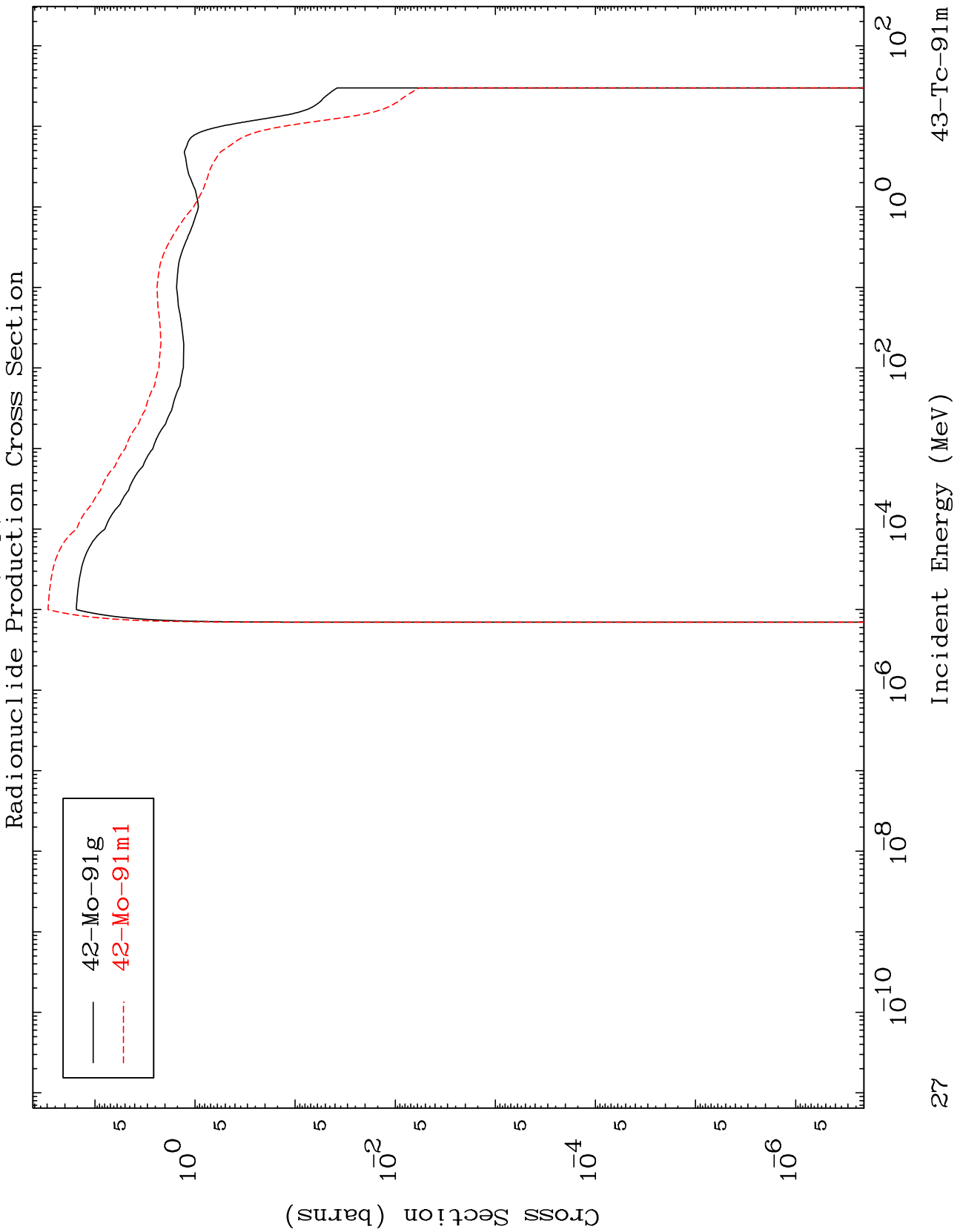
26

Incident Energy (MeV)

43-Tc-91m

MAT 4302

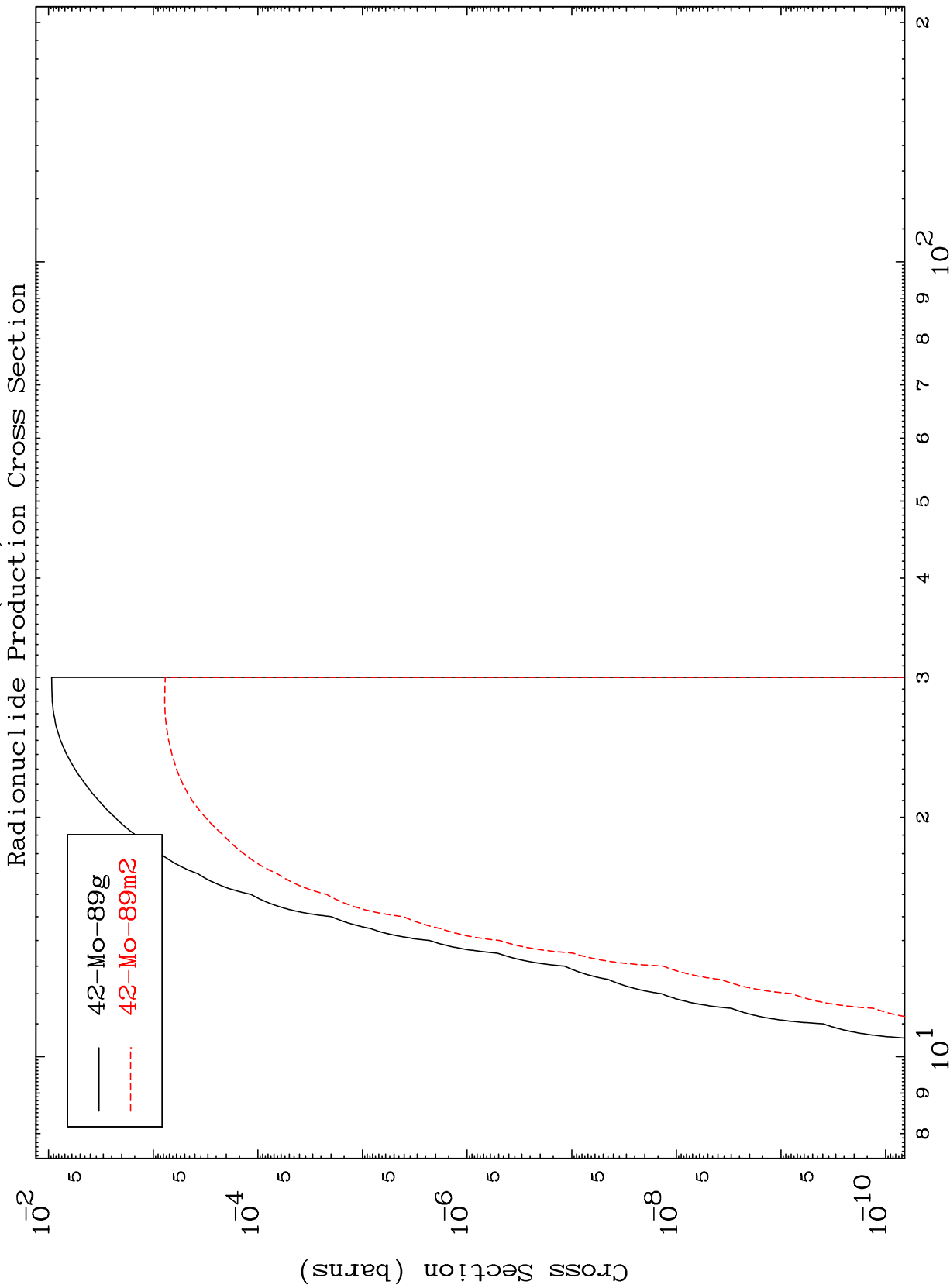
⁴³Tc-91m



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(n, t)

43-Tc-91m



28

Incident Energy (MeV)

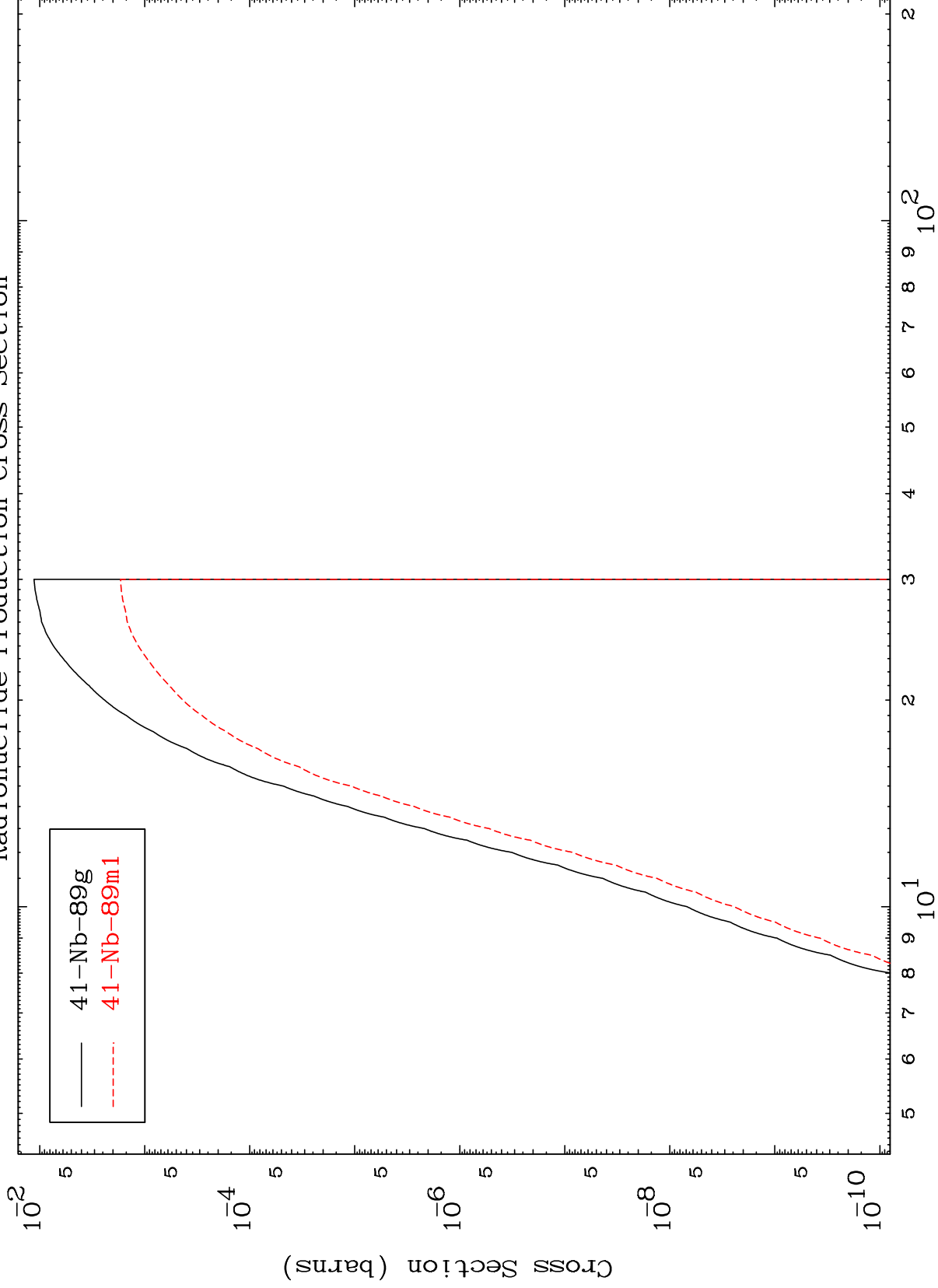
43-Tc-91m

MAT 4302

(n,He-3)

43-Tc-91m

Radionuclide Production Cross Section



29

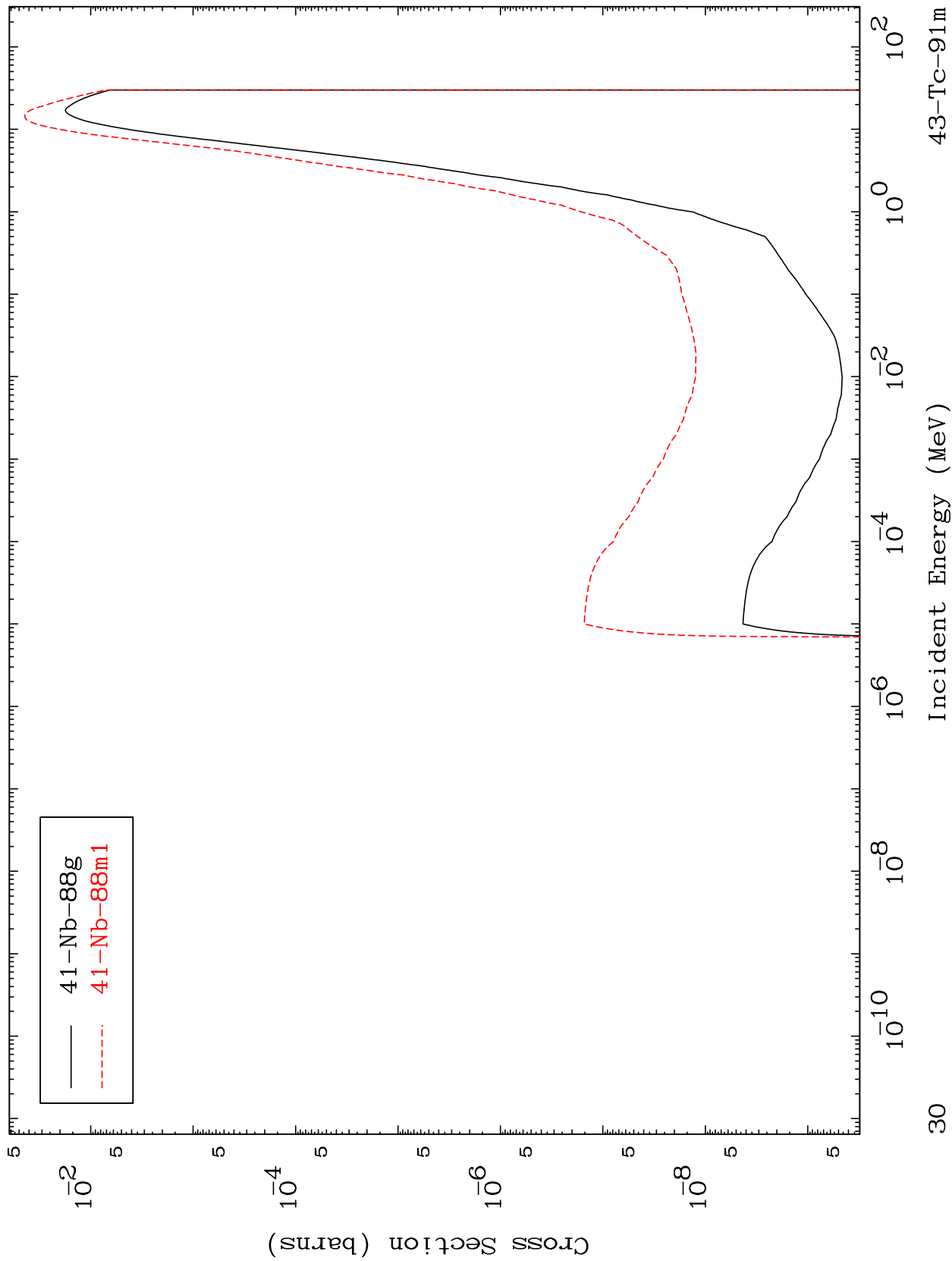
Incident Energy (MeV)

43-Tc-91m

MAT 4302

43-Tc-91m

(n, α)
Radionuclide Production Cross Section

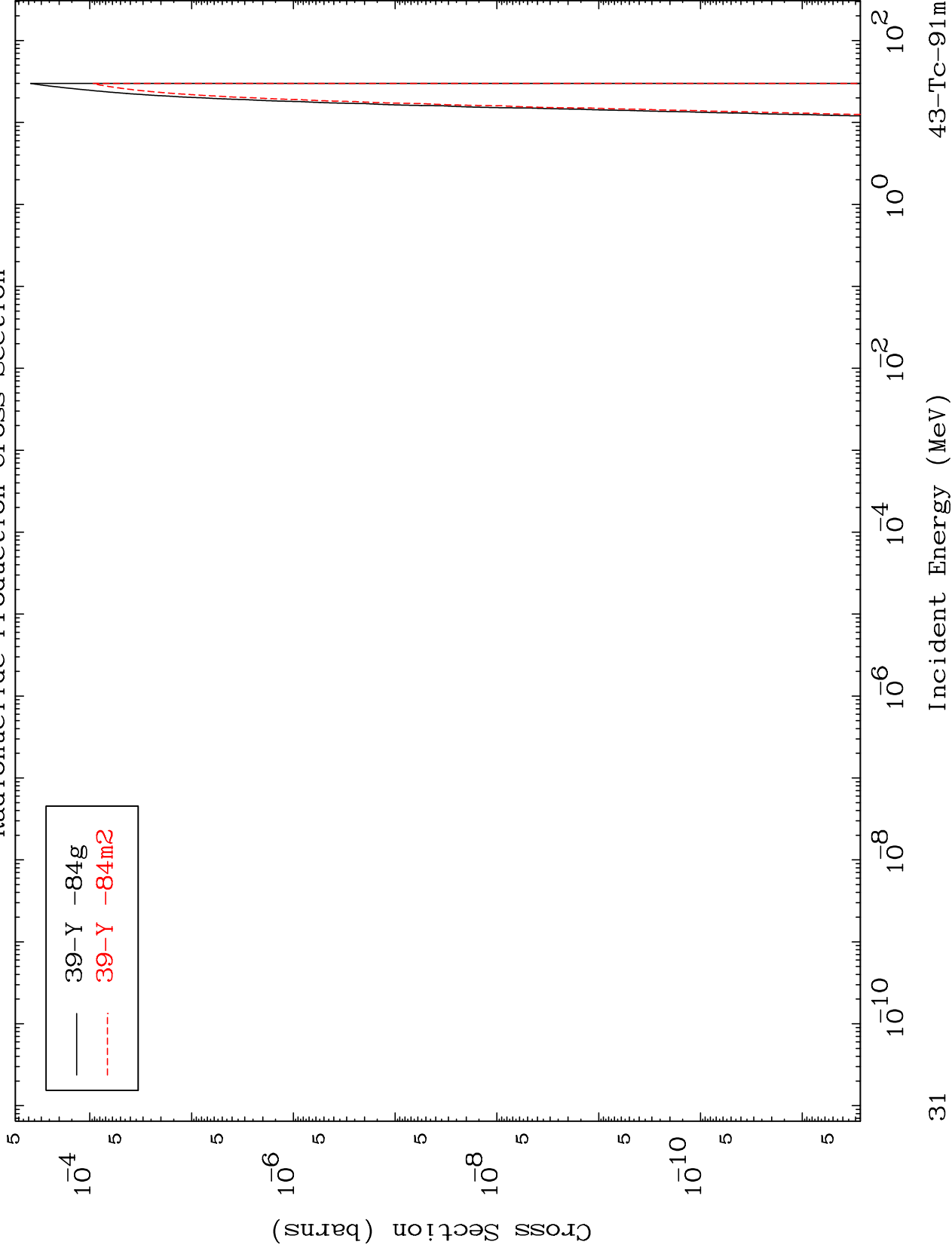


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(n,2α)

43-Tc-91m

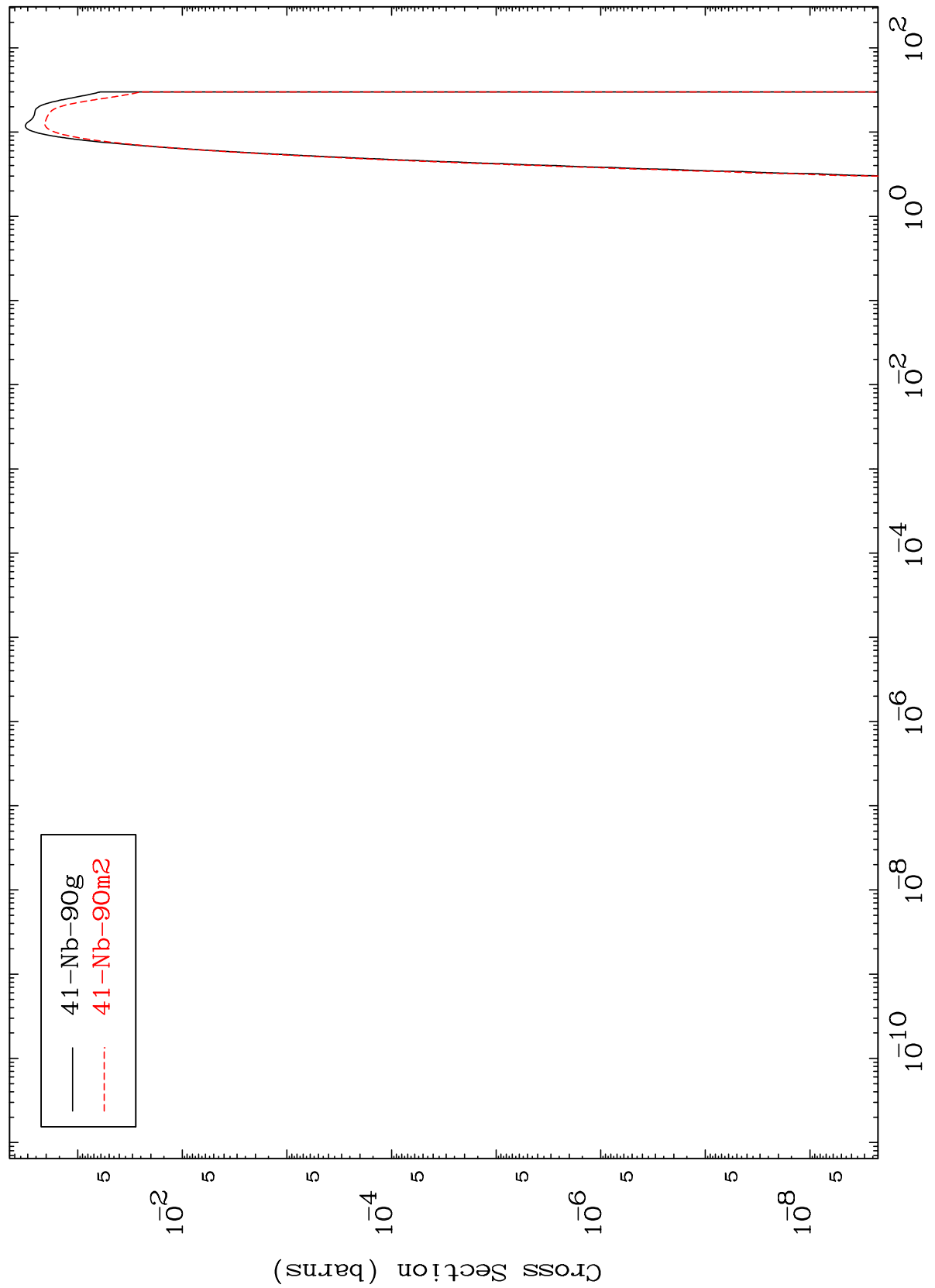
Radionuclide Production Cross Section



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43-Tc-91m

(n,2p)
Radionuclide Production Cross Section



32

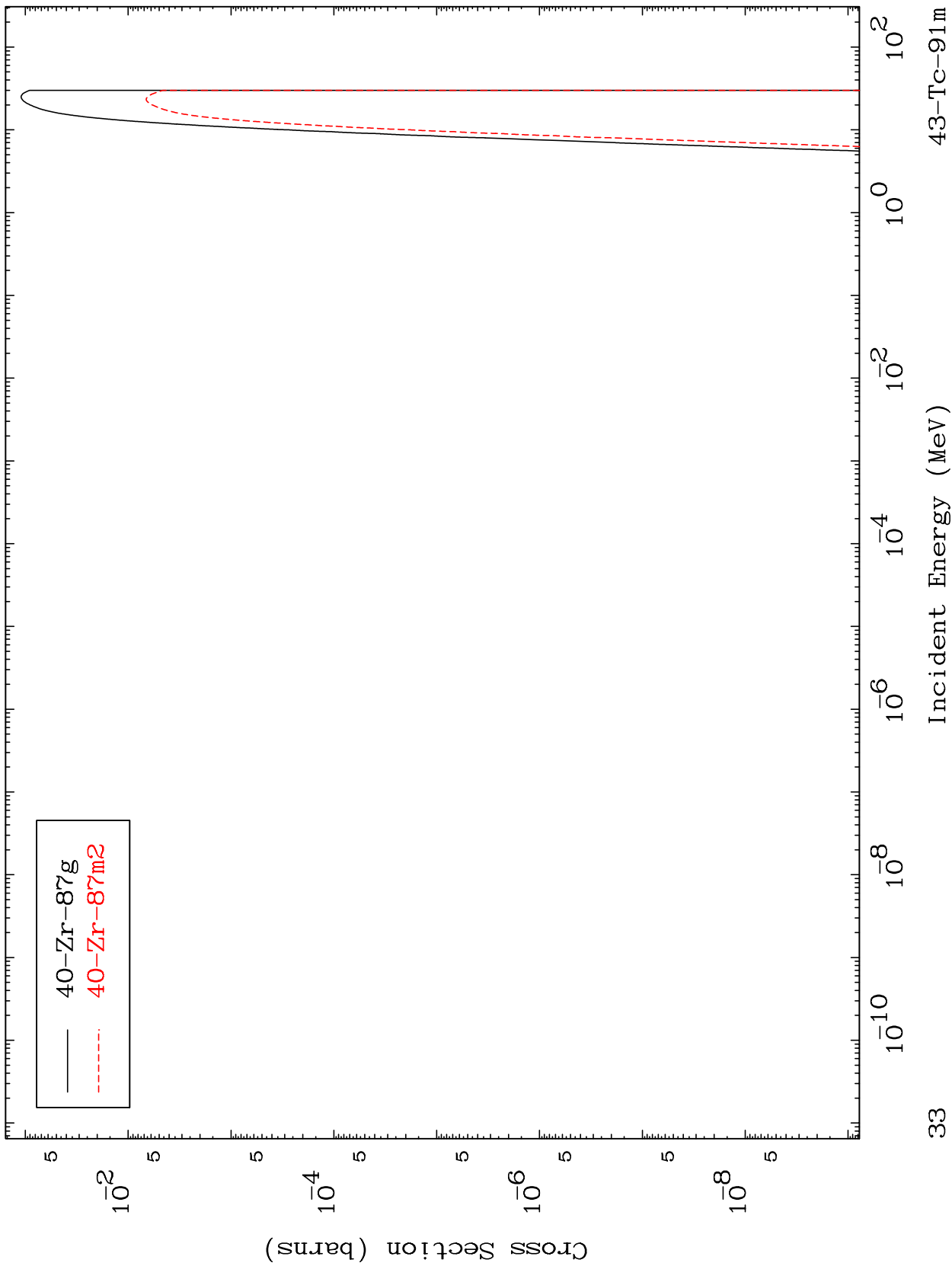
43-Tc-91m

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(n,p) α

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

Radionuclide Production Cross Section



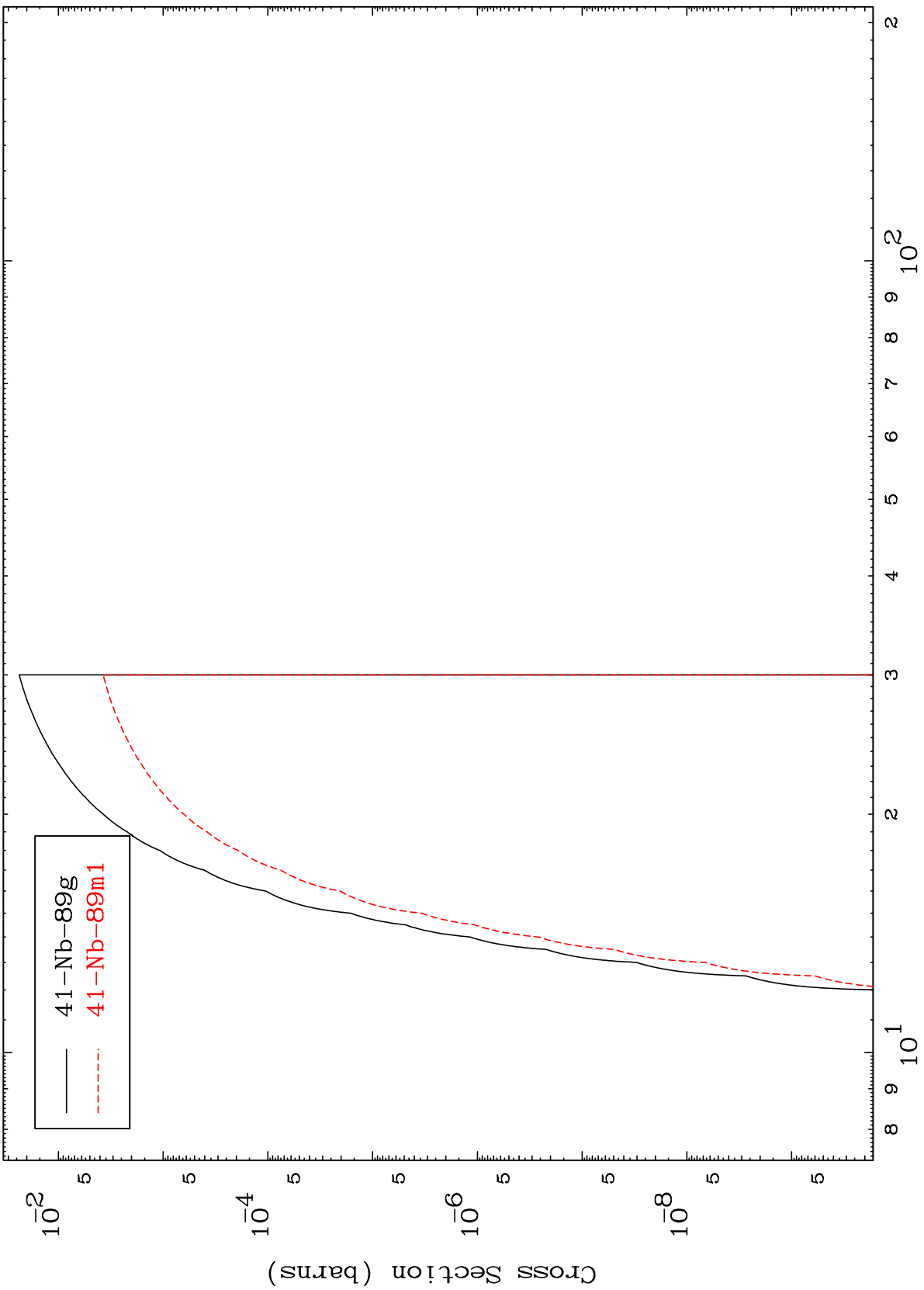
— 40-Zr-87g
- - - 40-Zr-87m2

MAT 4302

(n,p) d

⁴³Tc-91m

Radionuclide Production Cross Section



— 41-Nb-89g
- - - 41-Nb-89m1

34

Incident Energy (MeV)

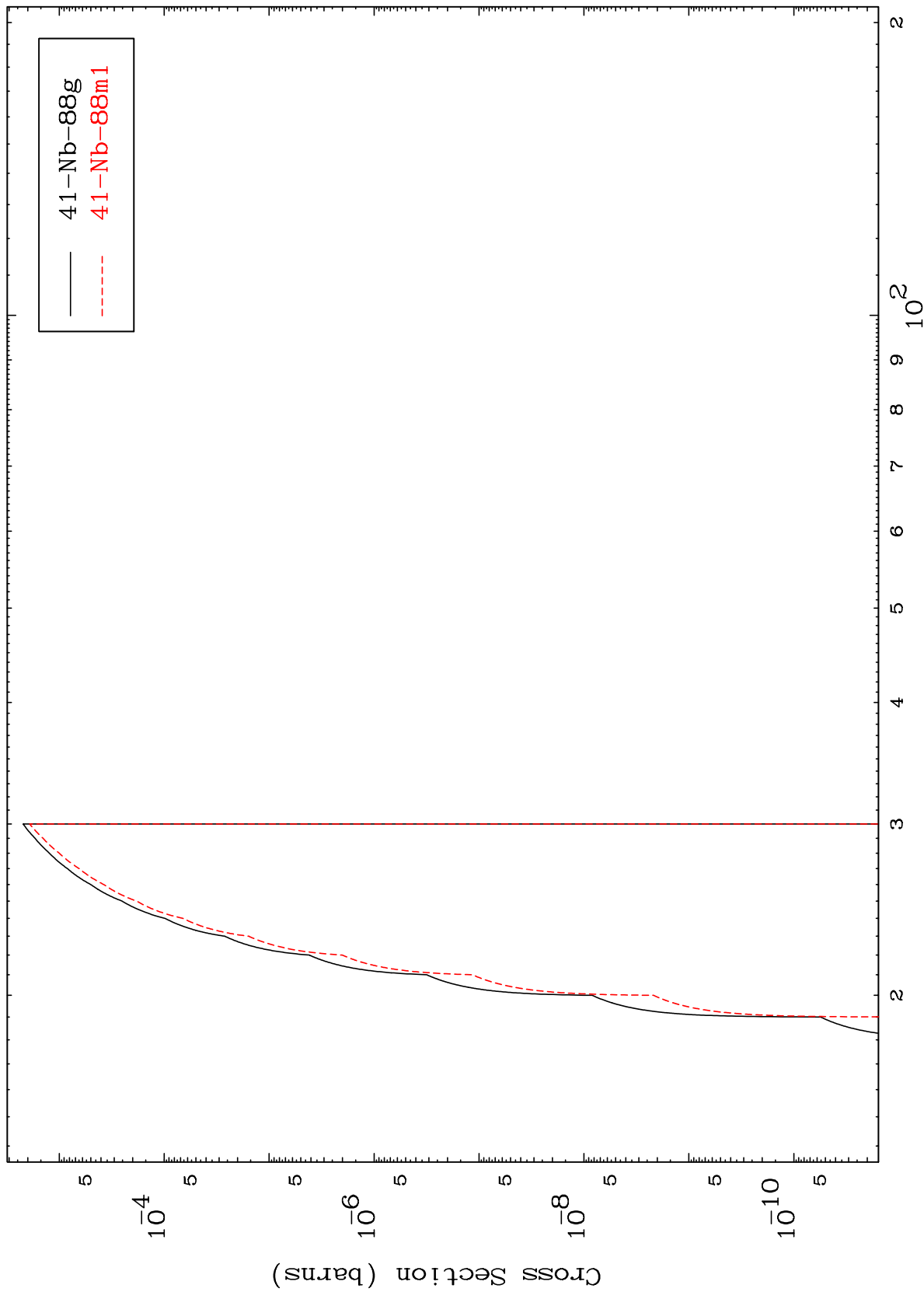
⁴³Tc-91m

MAT 4302

(n,p) t

43-Tc-91m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

43-Tc-91m