

Program EVALPLOT
(Version 2021-1)

by

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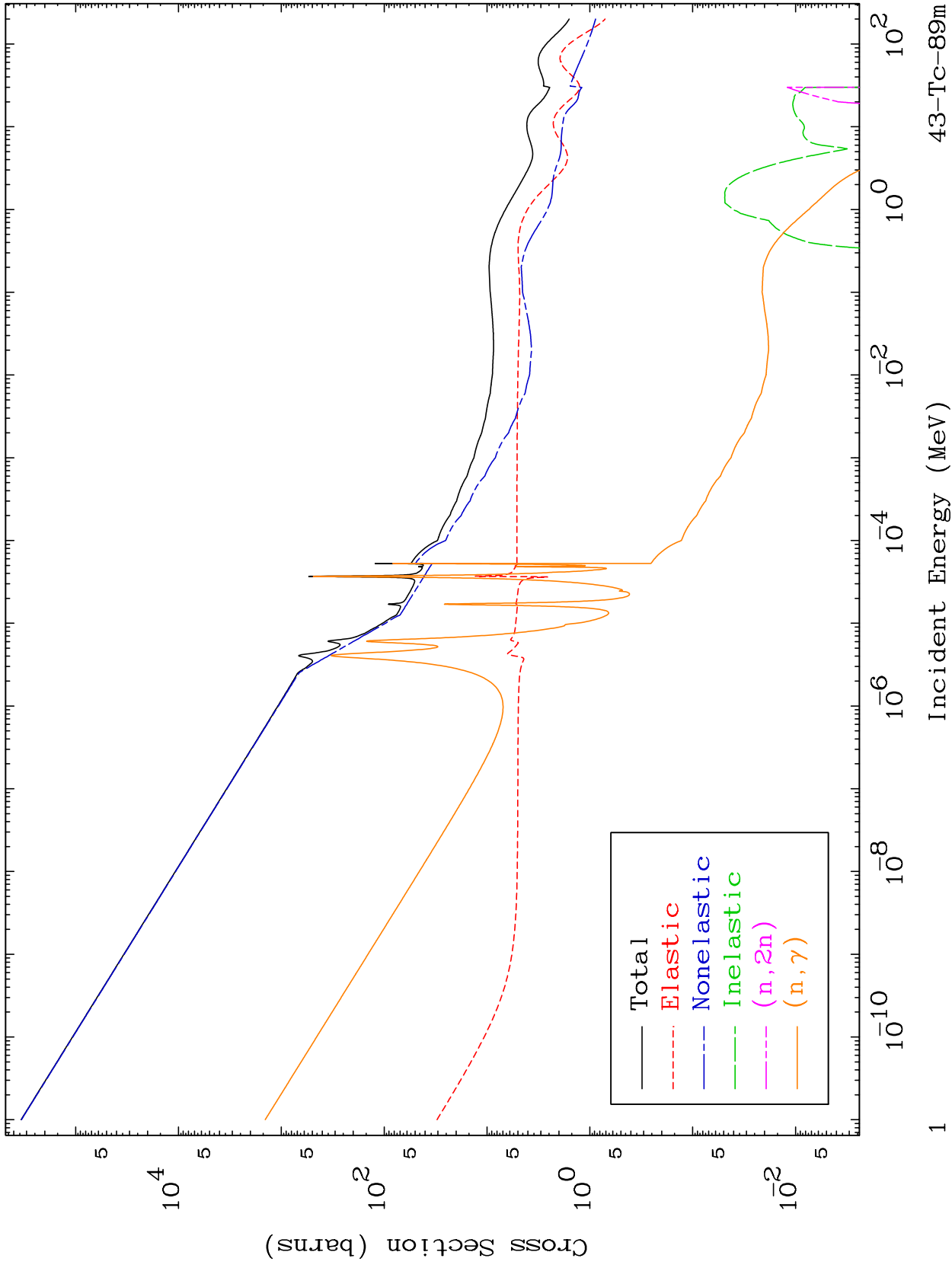
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4296

Neutron Major
293 Kelvin Cross Sections

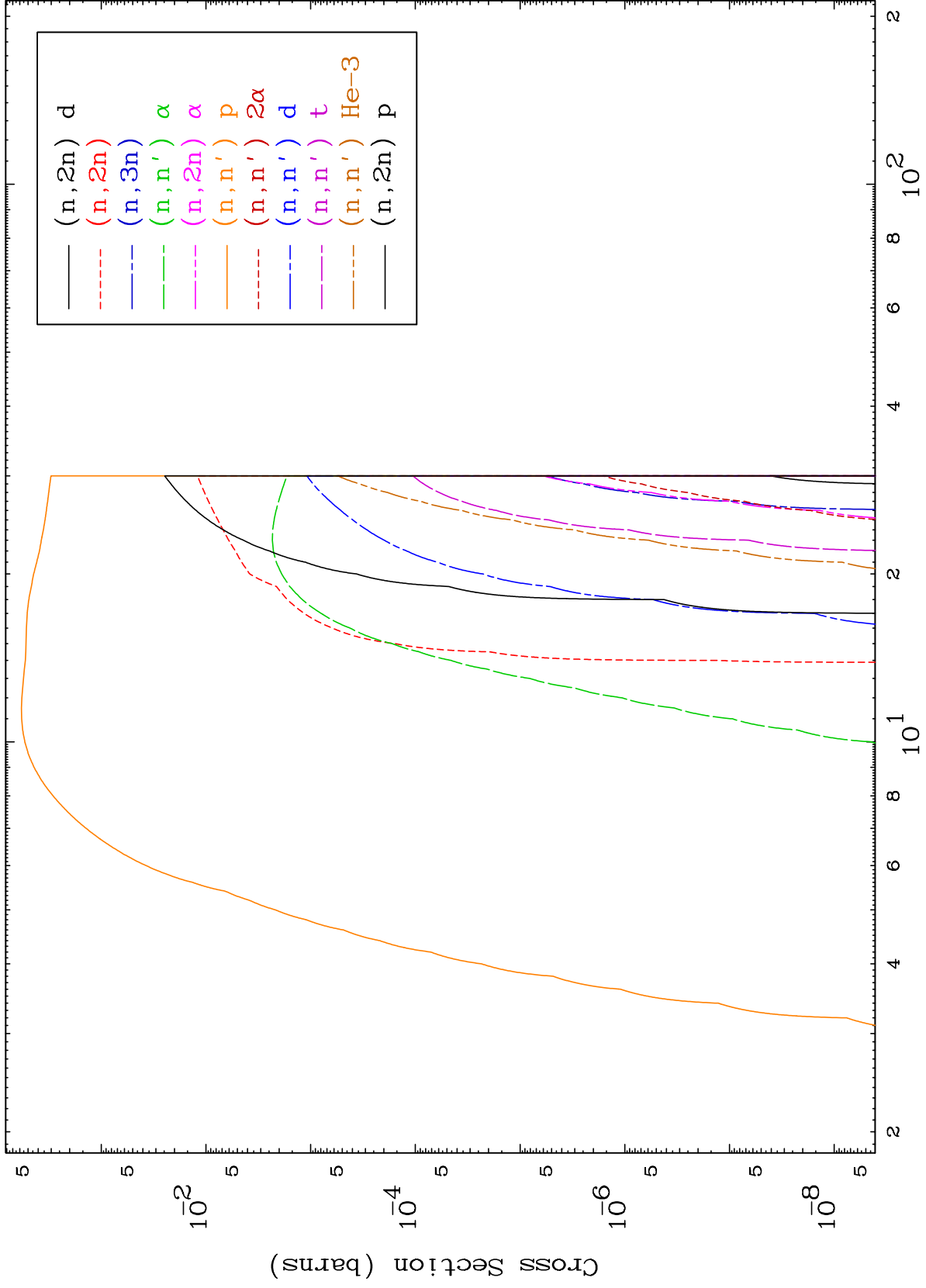
43-Tc-89m



MAT 4296

Neutron Absorption
293 Kelvin Cross Sections

43-Tc-89m



2

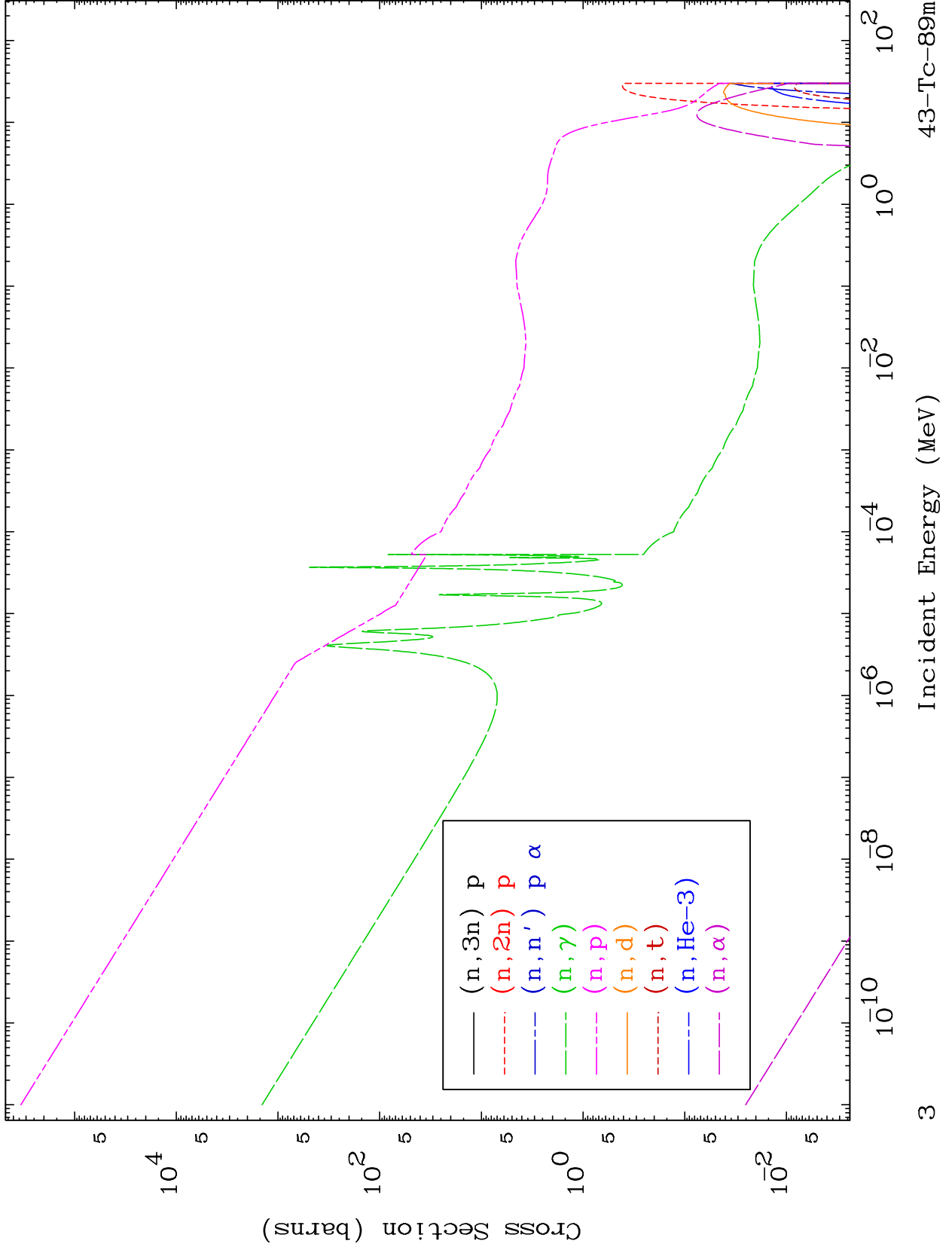
Incident Energy (MeV)

43-Tc-89m

MAT 4296

Neutron Absorption
293 Kelvin Cross Sections

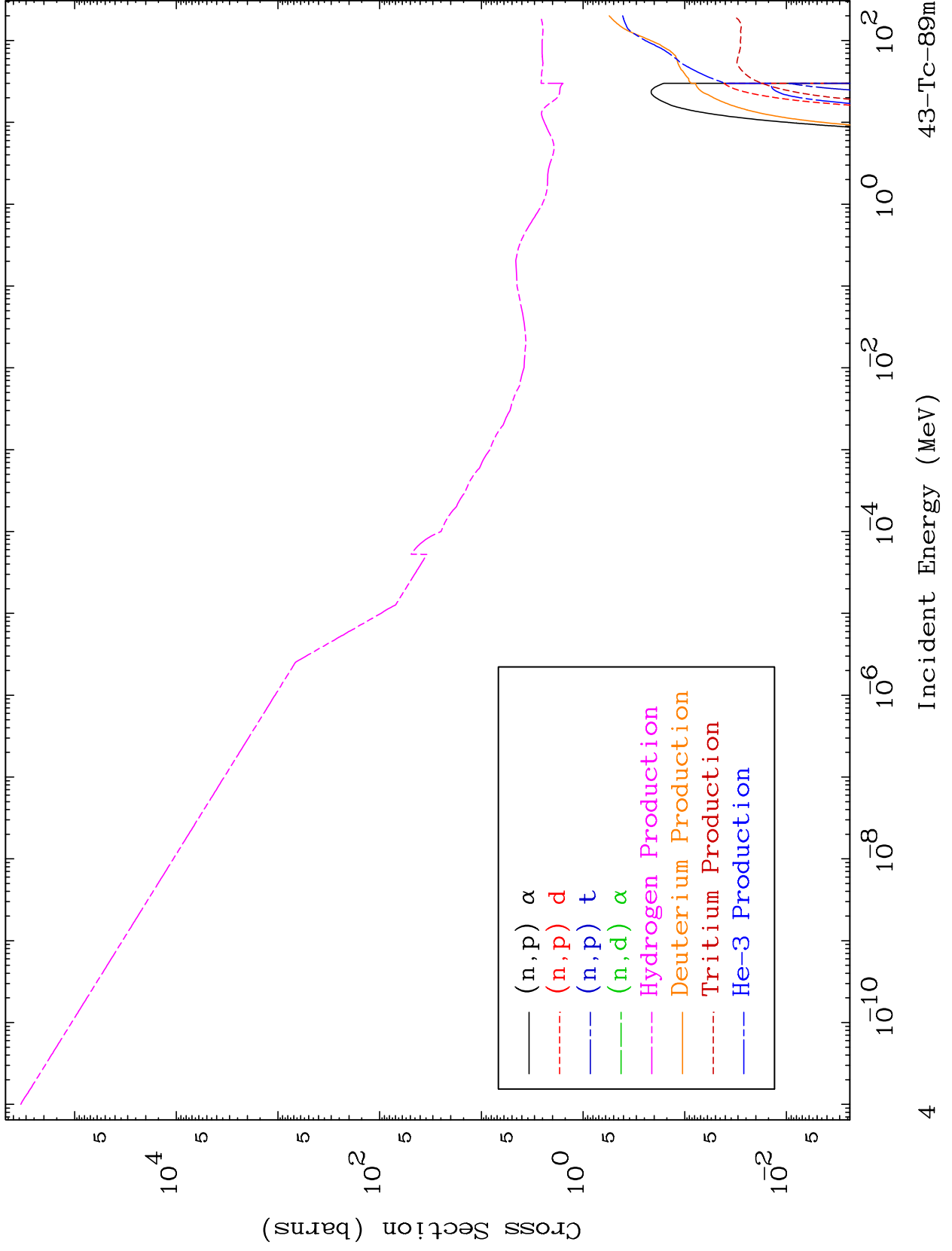
43-Tc-89m



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Neutron Absorption
293 Kelvin Cross Sections

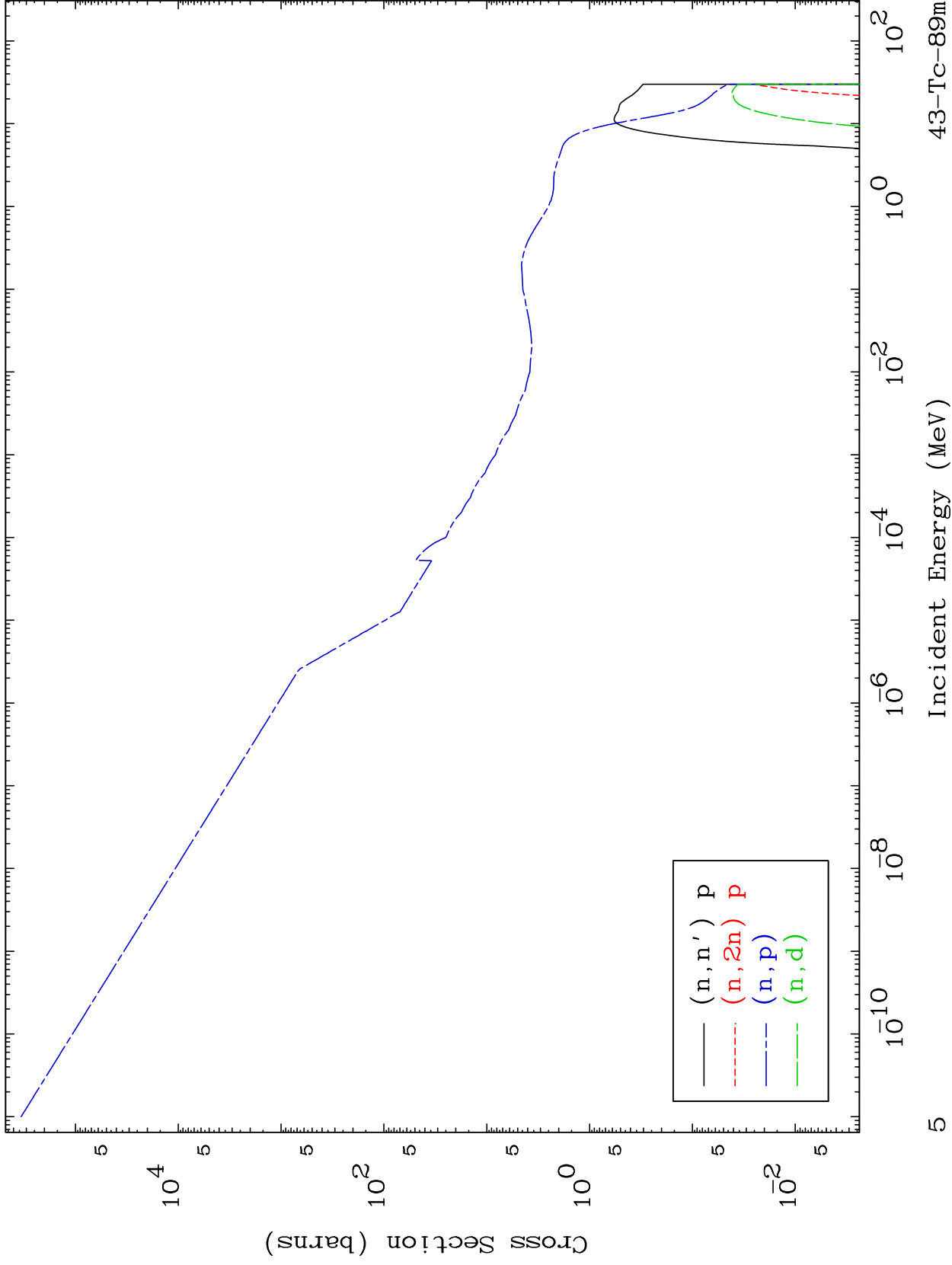
43-Tc-89m



MAT 4296

Charged Particle
293 Kelvin Cross Sections

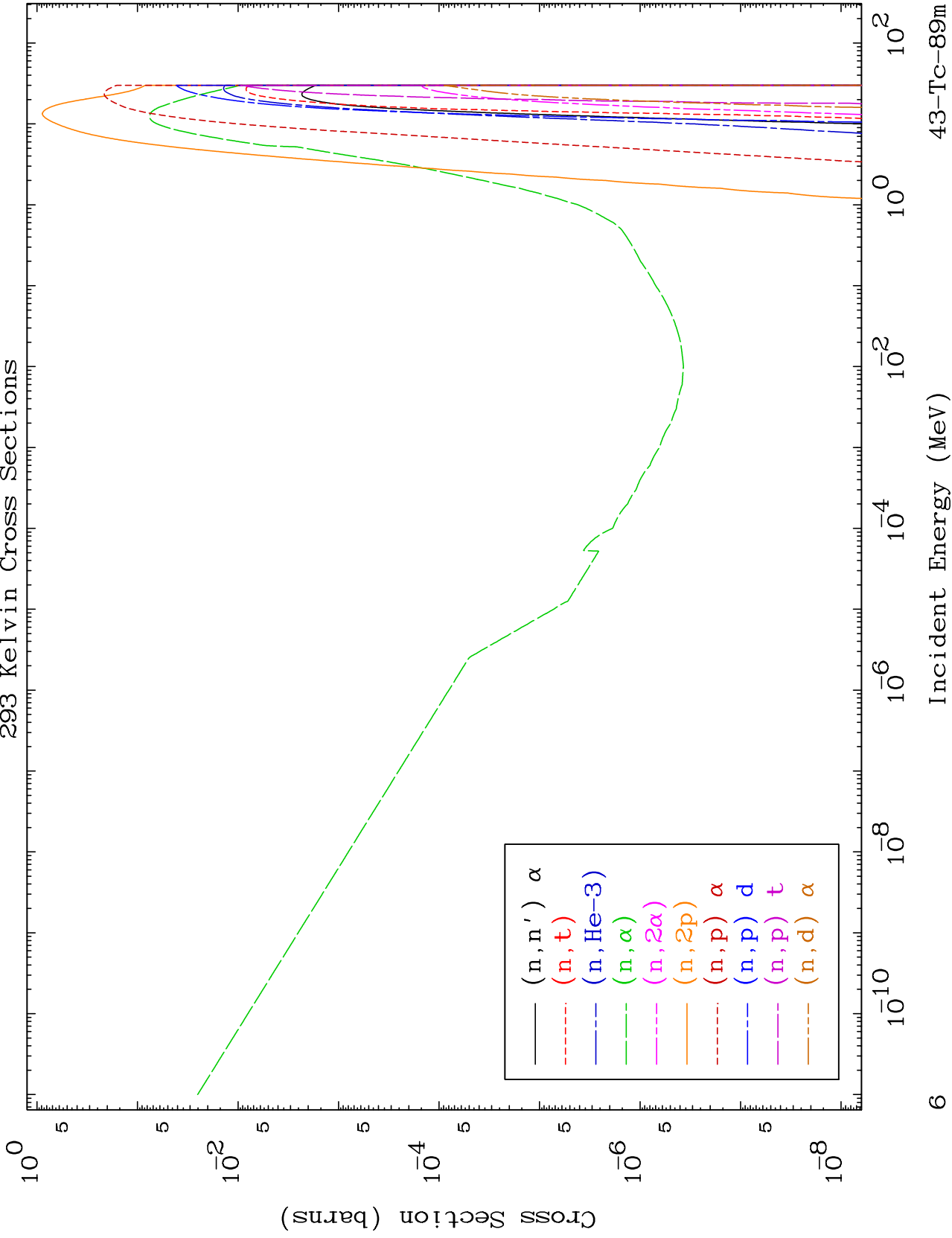
43-Tc-89m



MAT 4296

Charged Particle
293 Kelvin Cross Sections

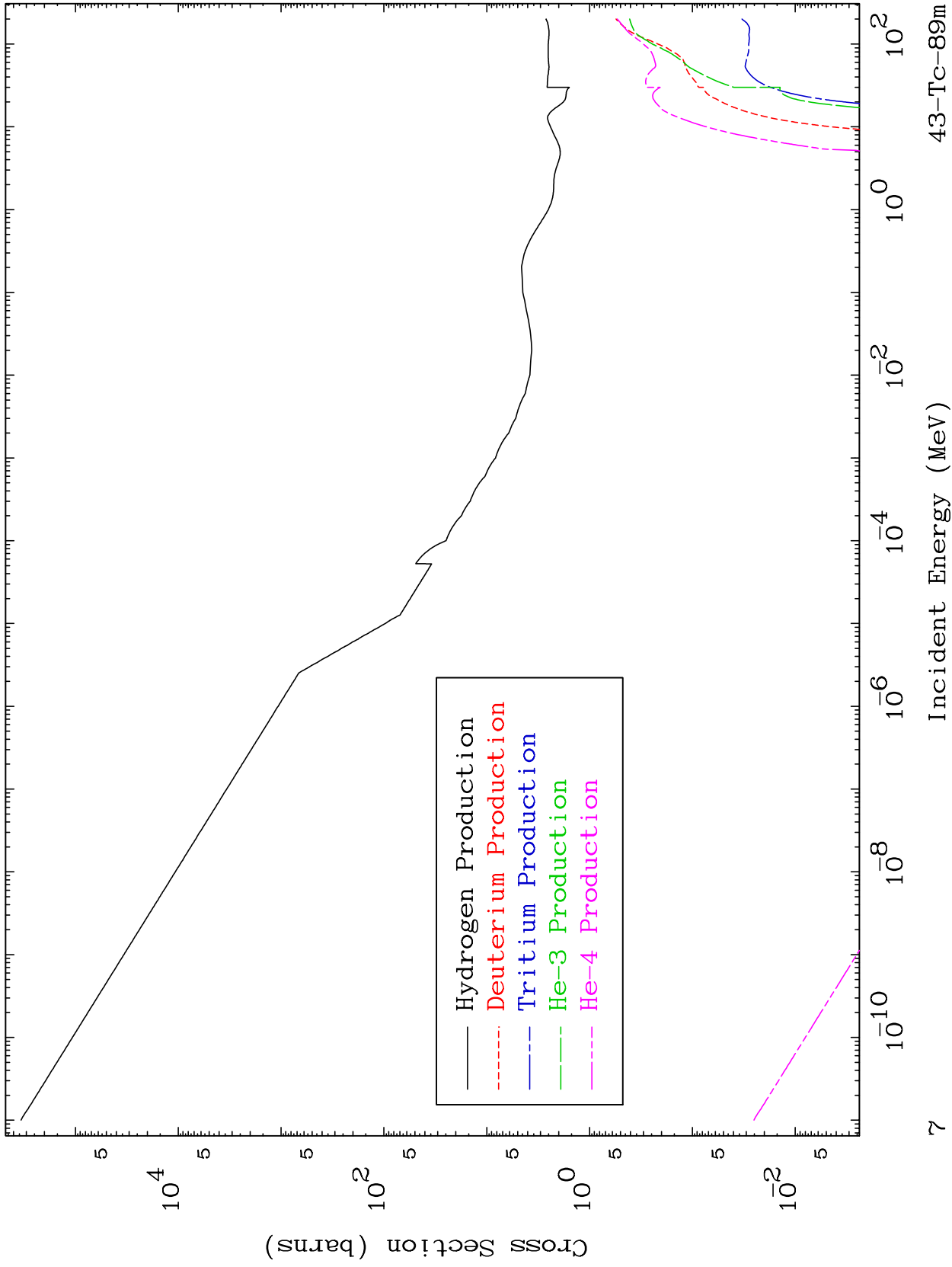
43-Tc-89m



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Particle Production
293 Kelvin Cross Sections

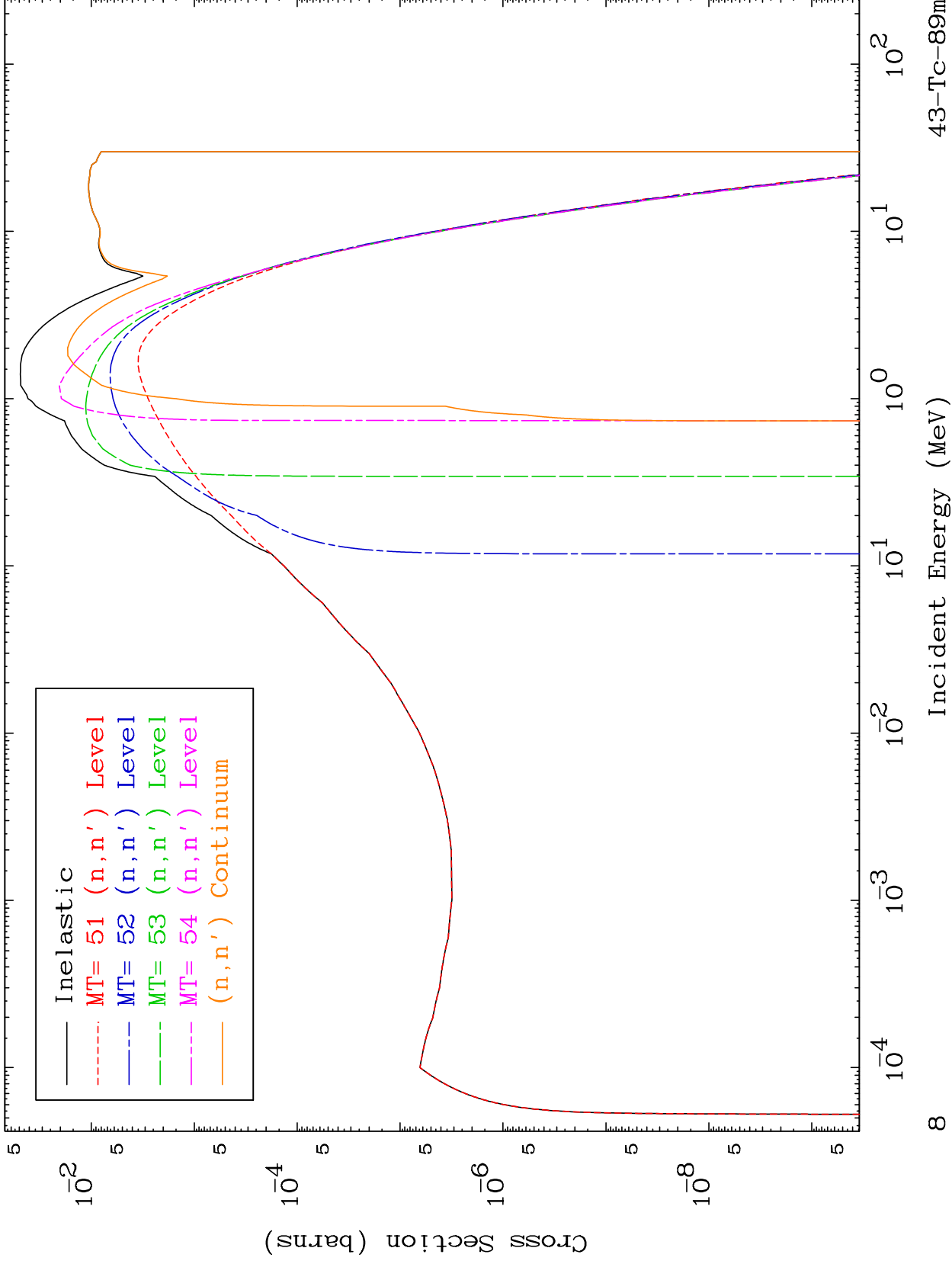
43-Tc-89m



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293 Kelvin Cross Sections
(n,n') Levels

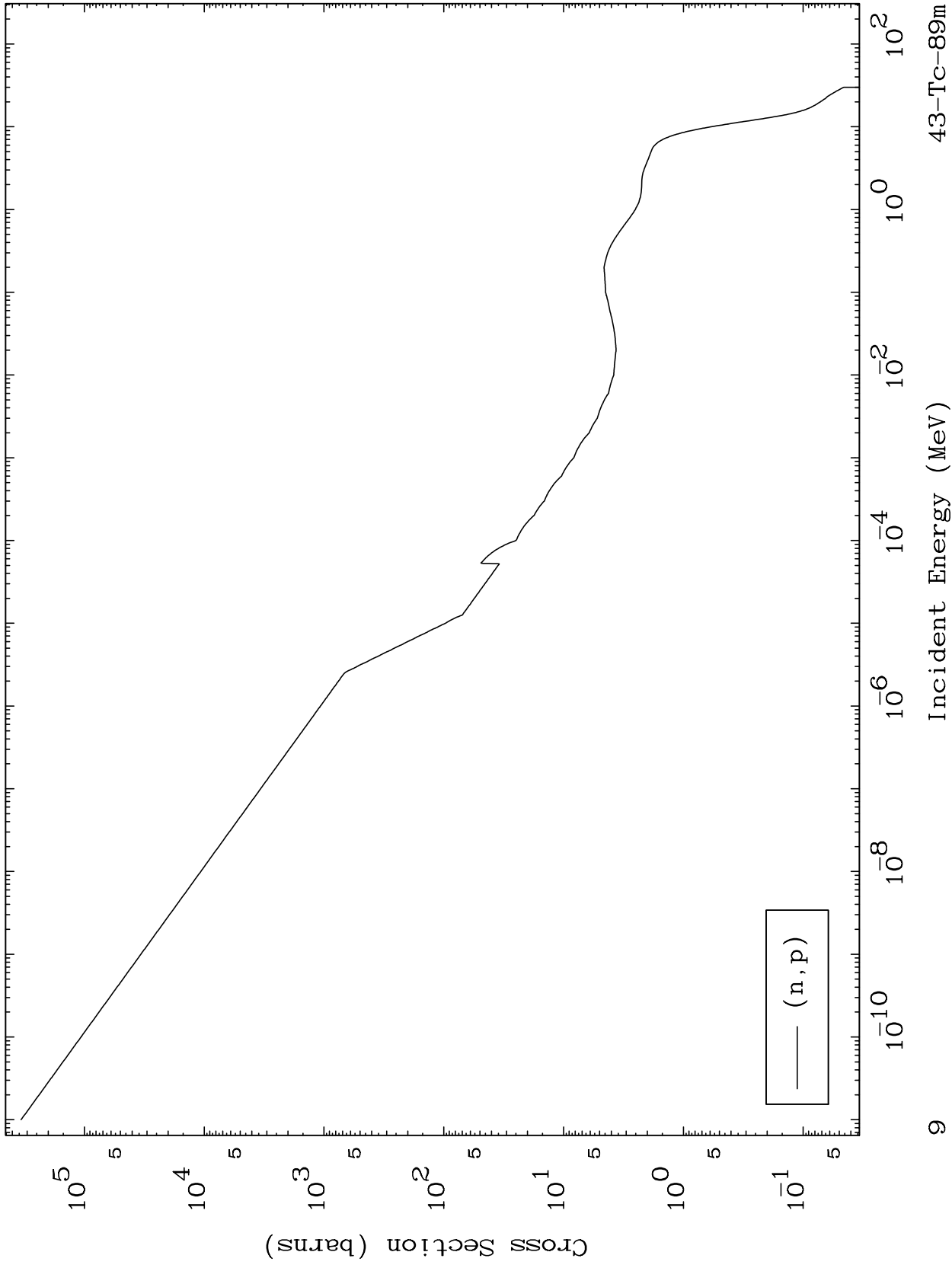
43-Tc-89m



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(n,p) Levels
293 Kelvin Cross Sections

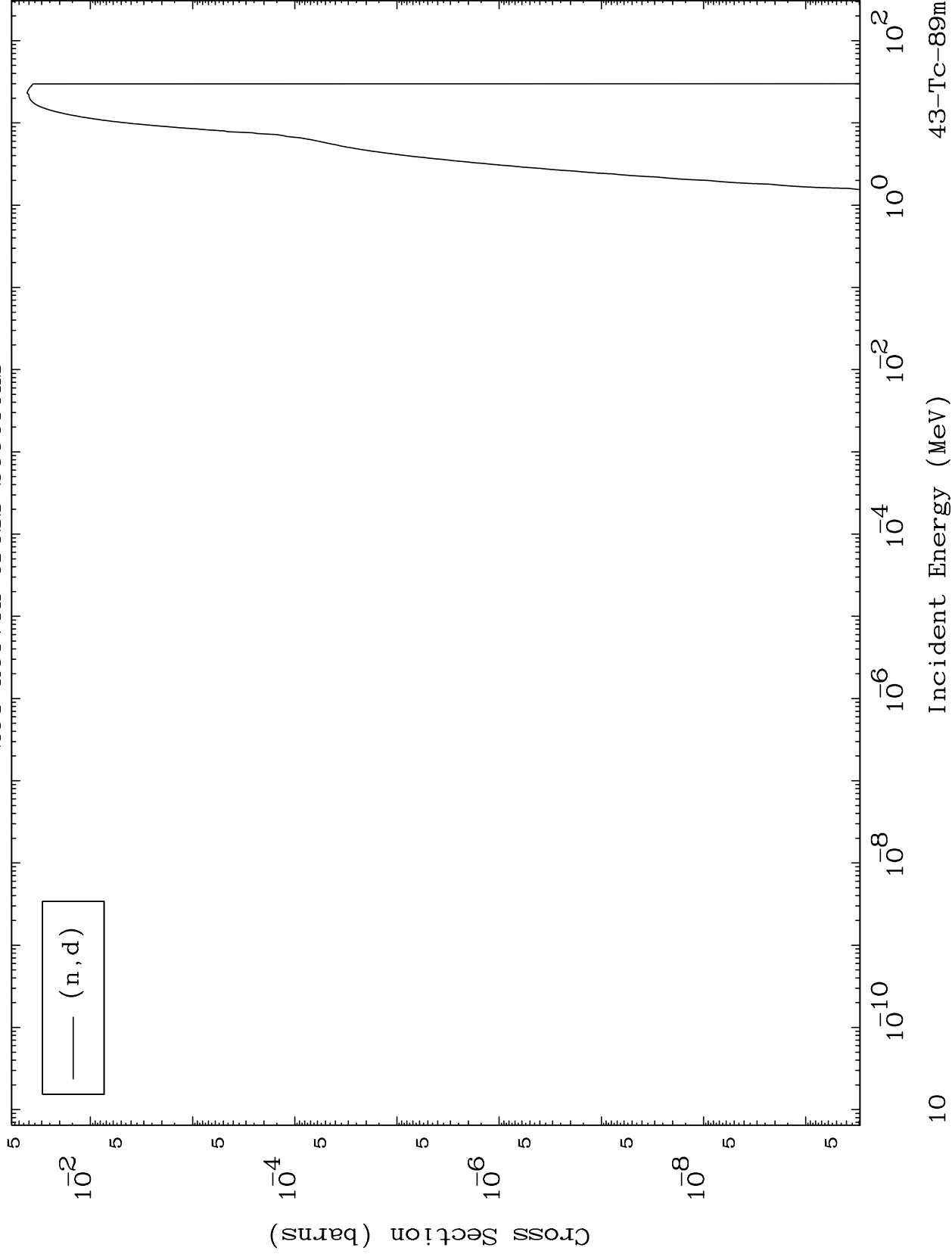
43-Tc-89m



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(n,d) Levels
293 Kelvin Cross Sections

43-Tc-89m



10

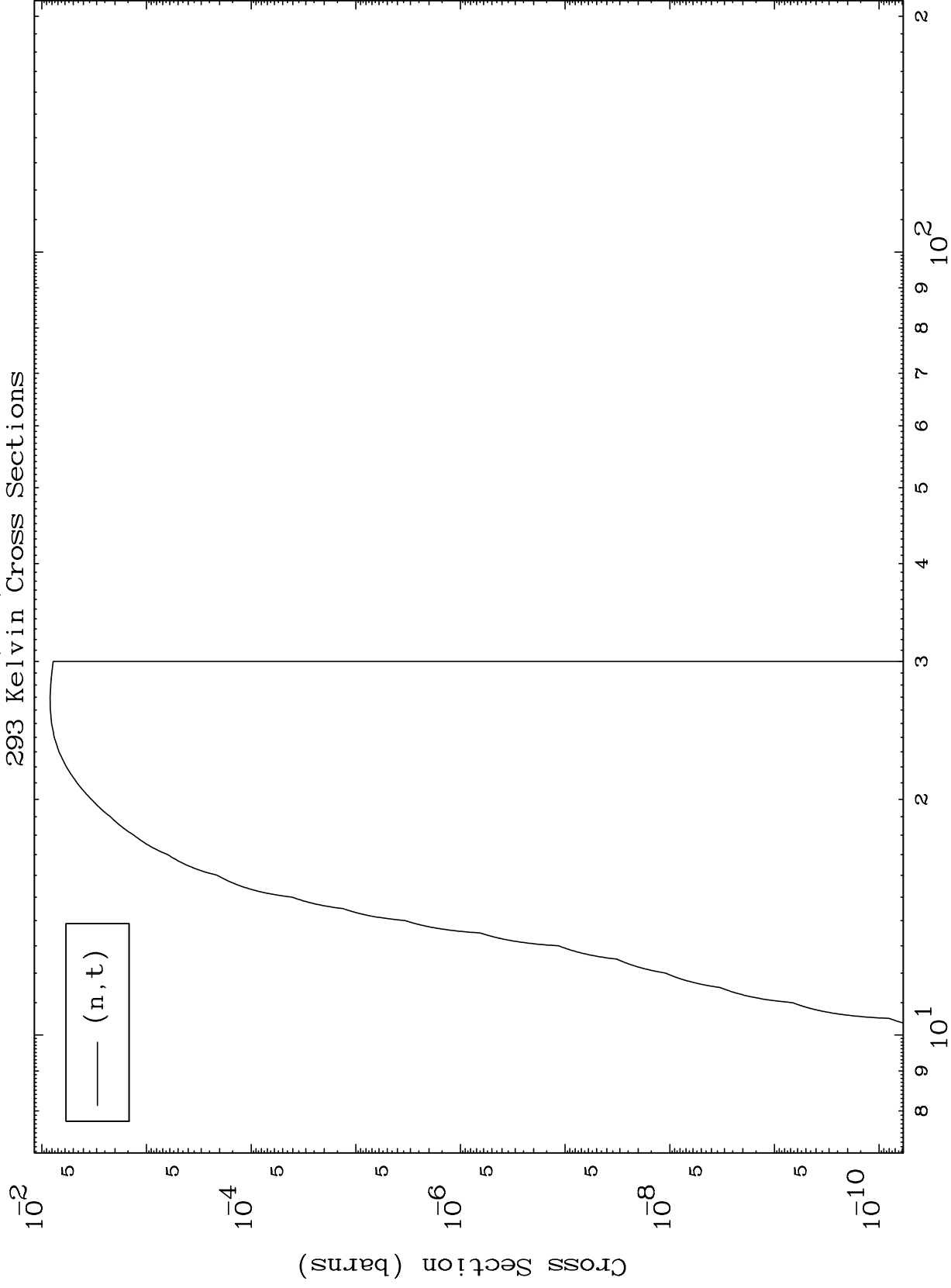
Incident Energy (MeV)

43-Tc-89m

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(n,t) Levels
293 Kelvin Cross Sections

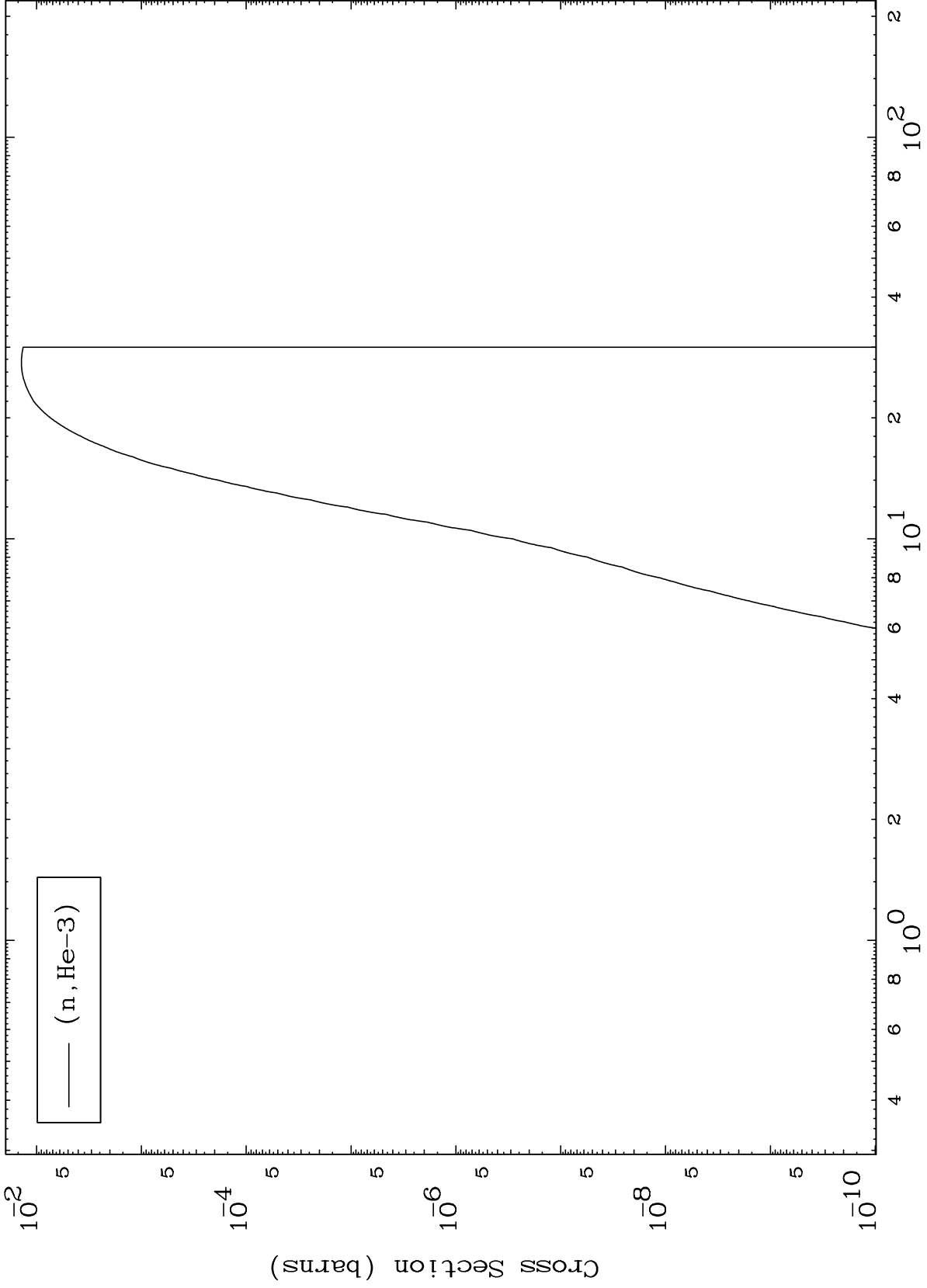
43-Tc-89m



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(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-89m



12

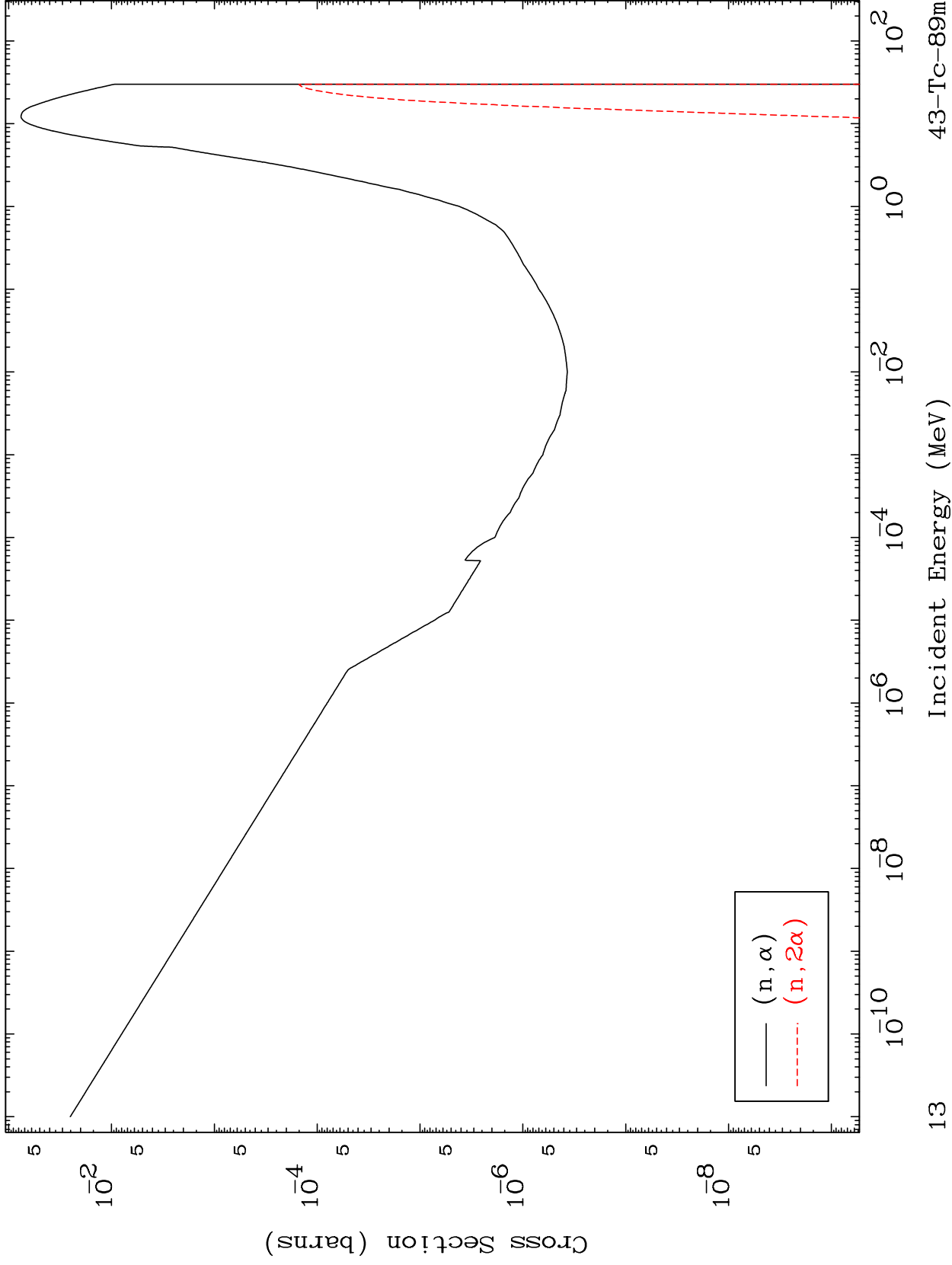
Incident Energy (MeV)

43-Tc-89m

MAT 4296

(n, α) Levels
293 Kelvin Cross Sections

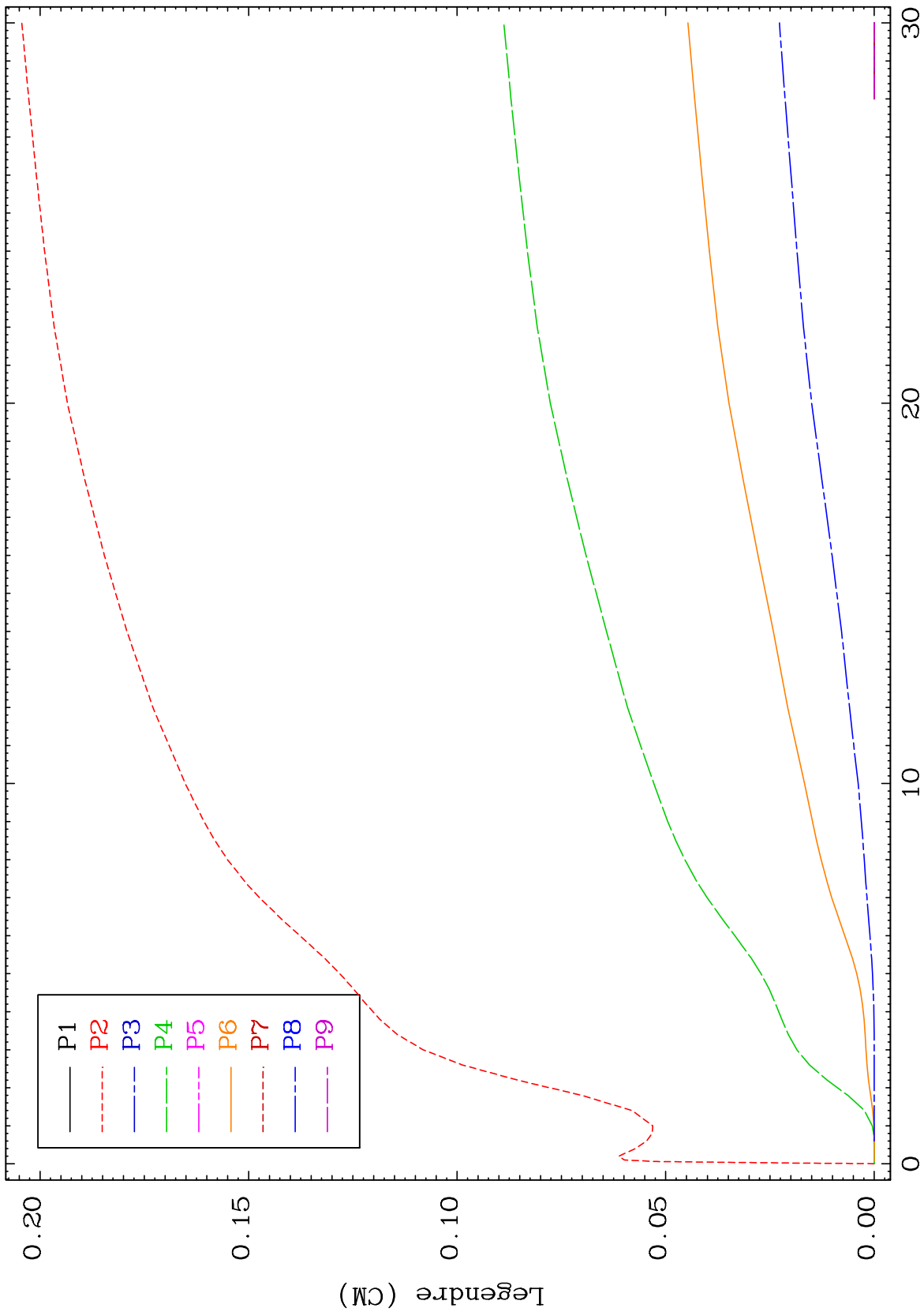
43-Tc-89m



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Elastic Legendre Coefficients

⁴³Tc-89m



14

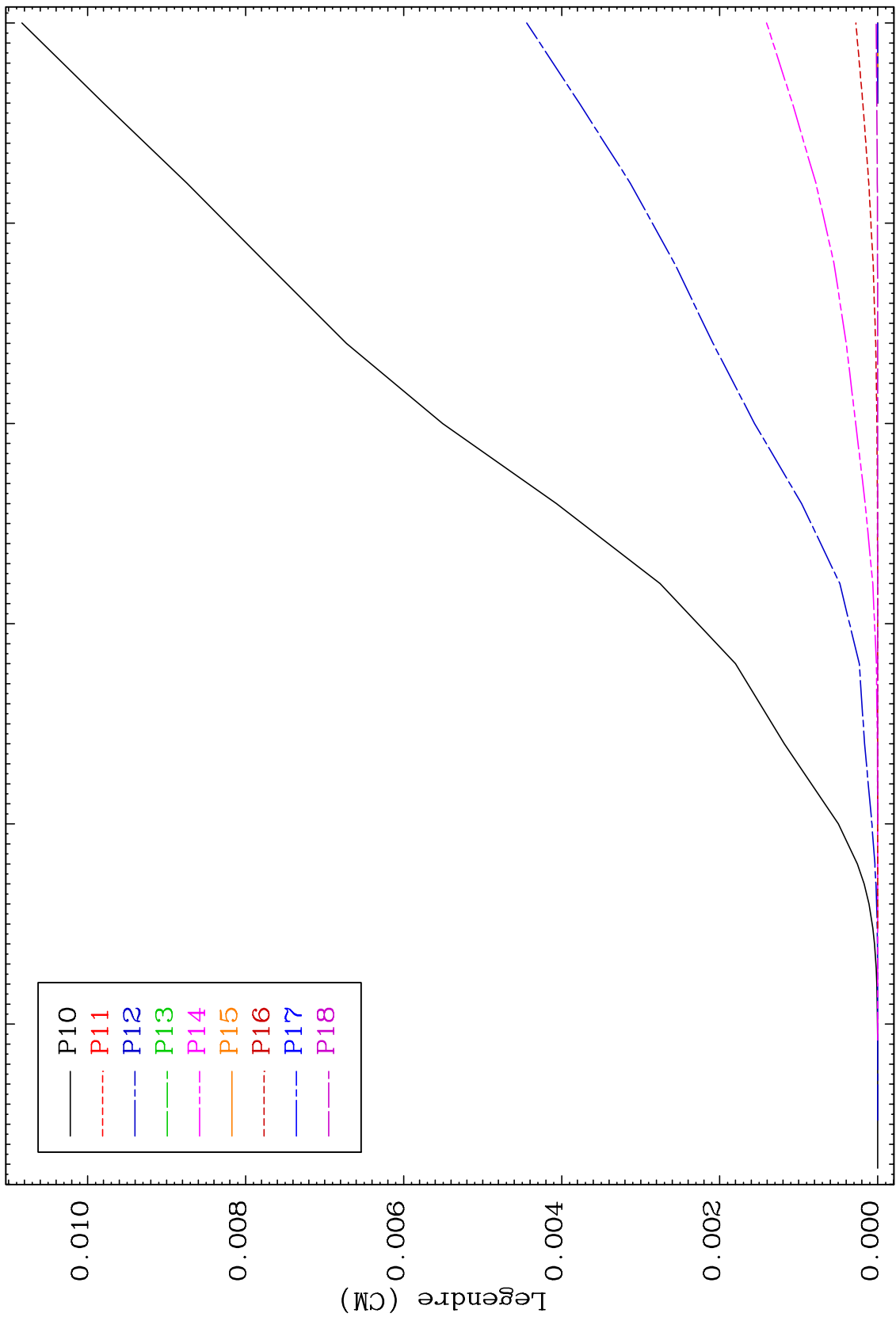
Incident Energy (MeV)

⁴³Tc-89m

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Elastic Legendre Coefficients

43-Tc-89m



15

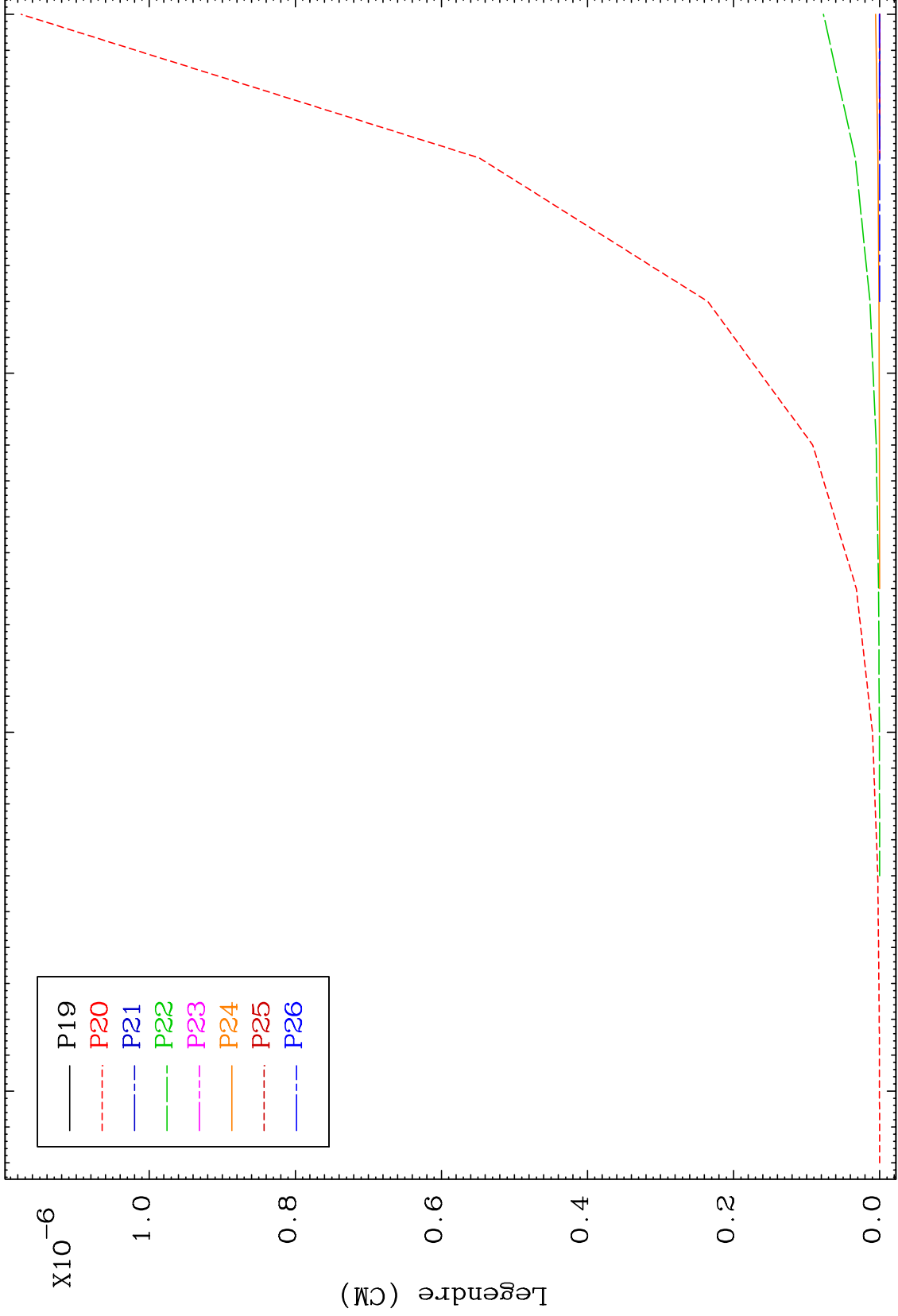
Incident Energy (MeV)

43-Tc-89m

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Elastic
Legendre Coefficients

43-Tc-89m



16

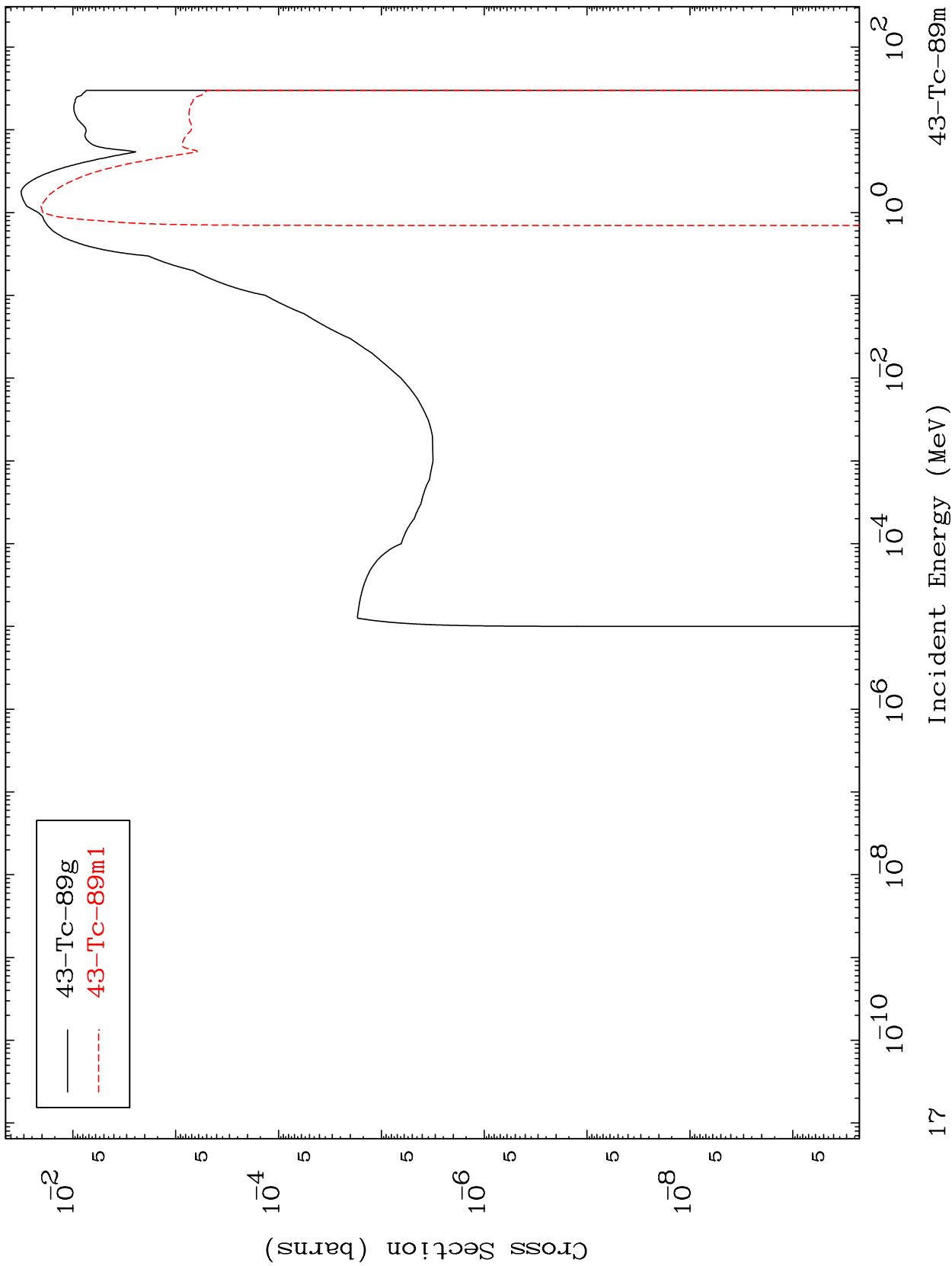
Incident Energy (MeV)

43-Tc-89m

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43-Tc-89m

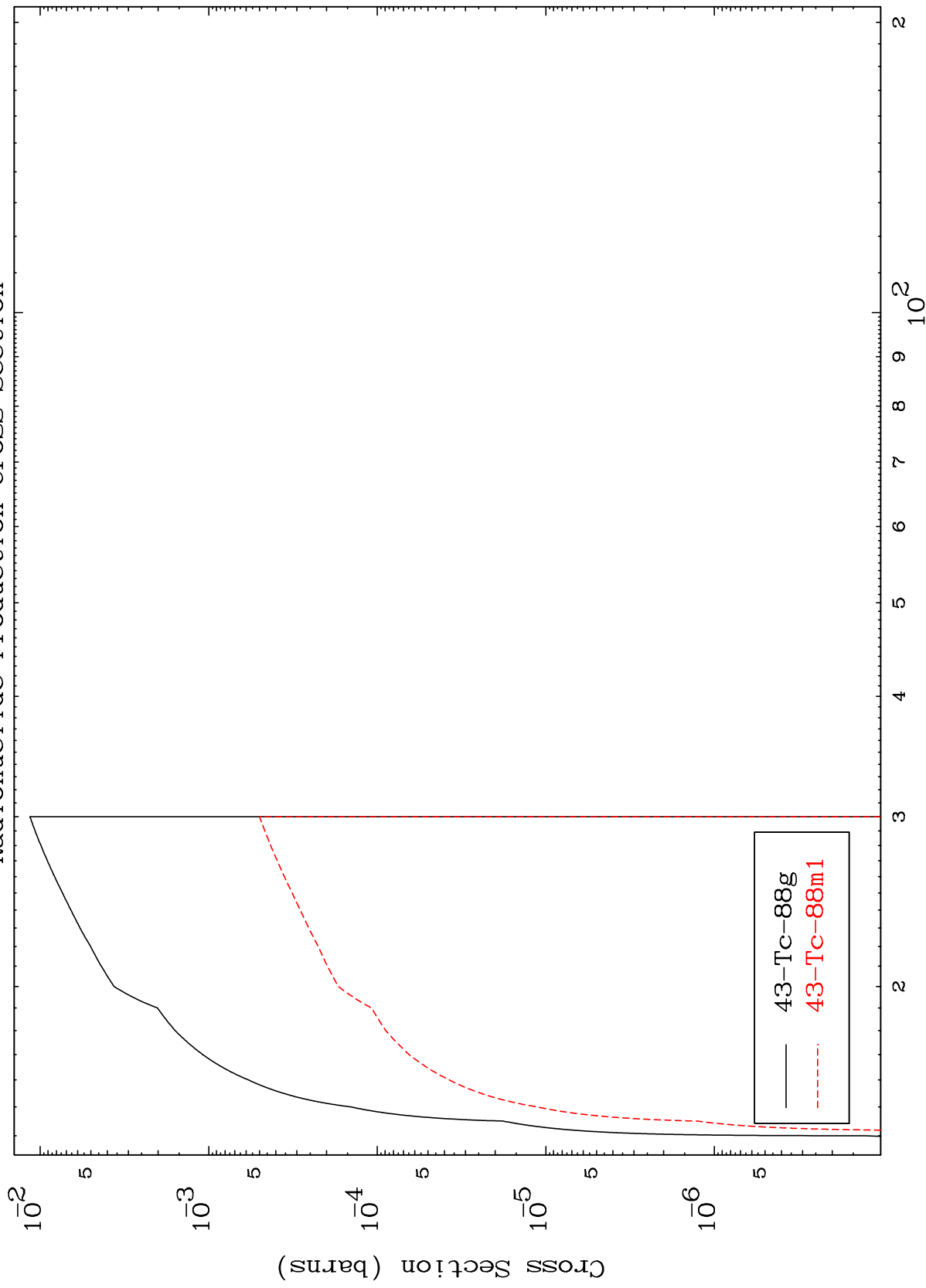
Inelastic
Radionuclide Production Cross Section



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$^{43}\text{Tc-89m}$

(n,2n) Radionuclide Production Cross Section



18

Incident Energy (MeV)

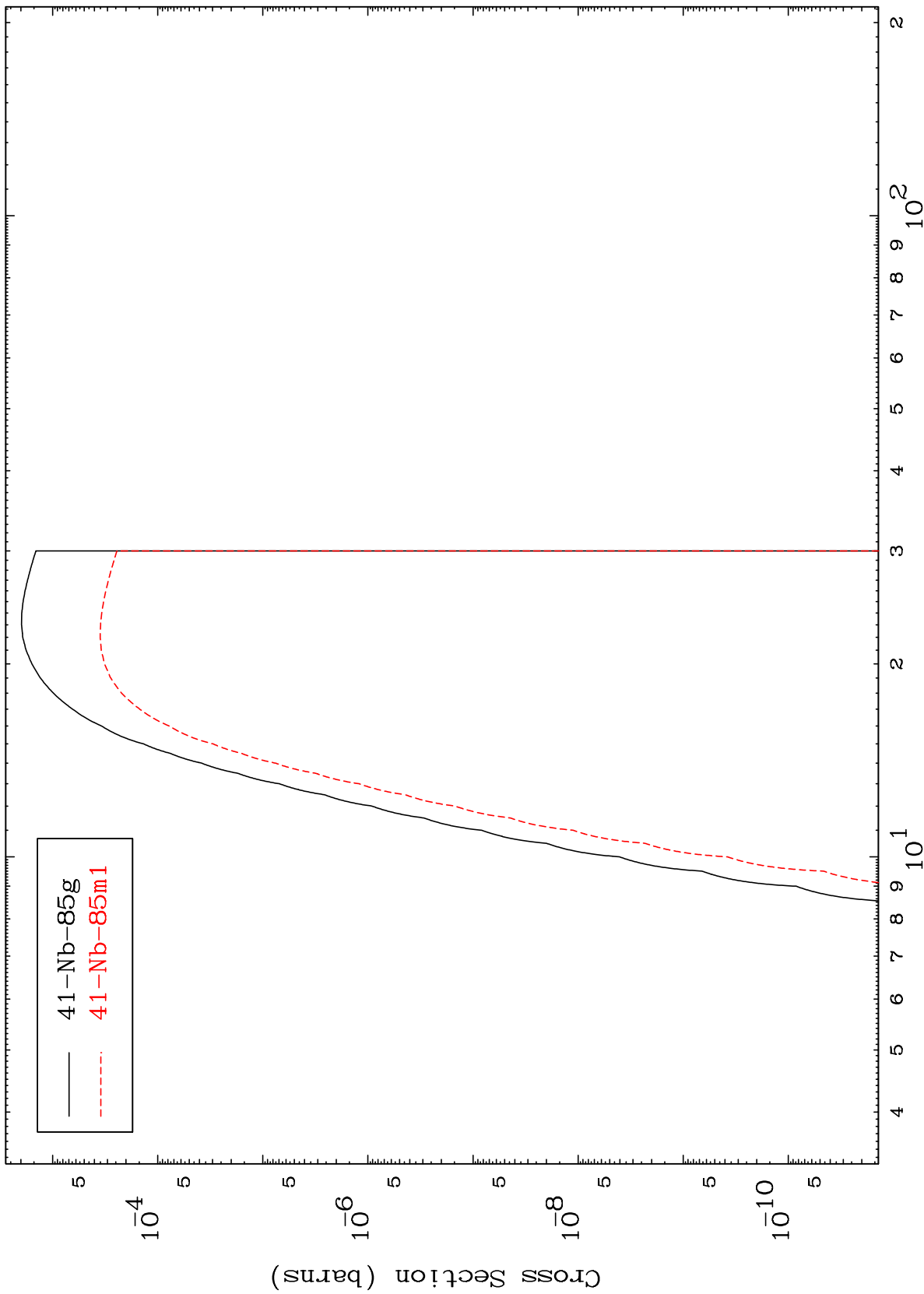
$^{43}\text{Tc-89m}$

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(n,n') α

$^{43}\text{Tc-89m}$

Radionuclide Production Cross Section

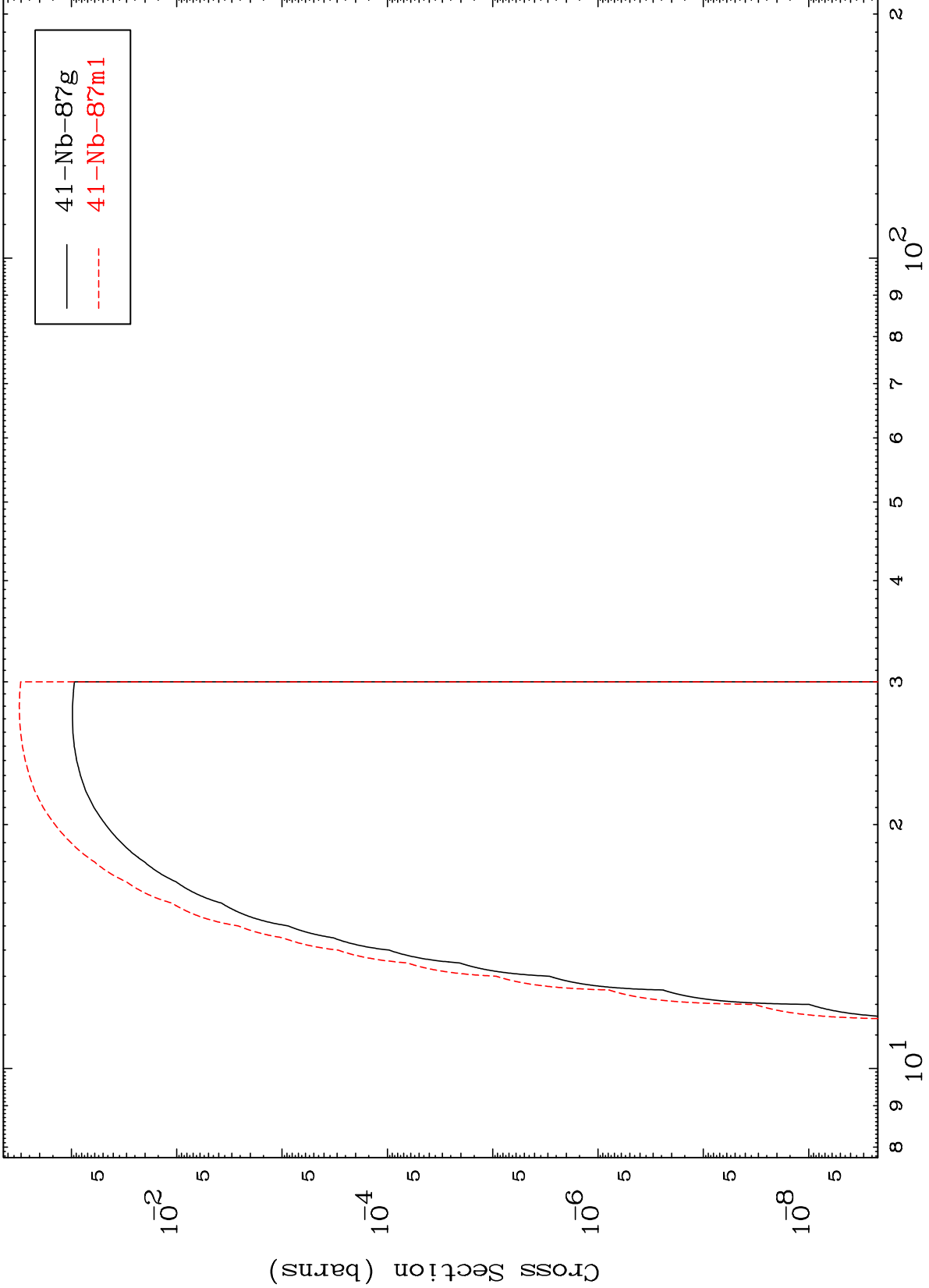


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(n,2n) p

43-Tc-89m

Radionuclide Production Cross Section



41-Nb-87g
41-Nb-87m1

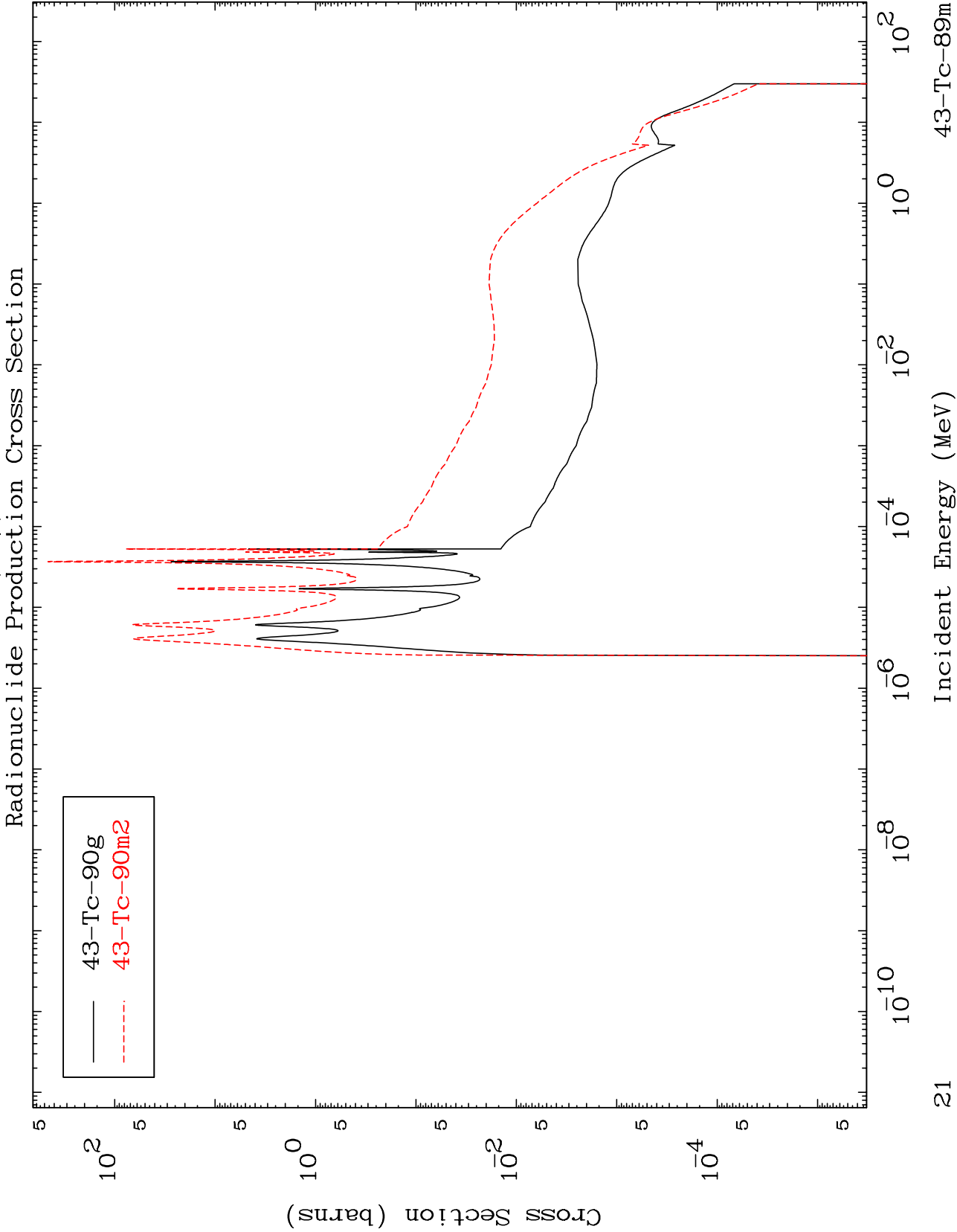
20

Incident Energy (MeV)

43-Tc-89m

MAT 4296

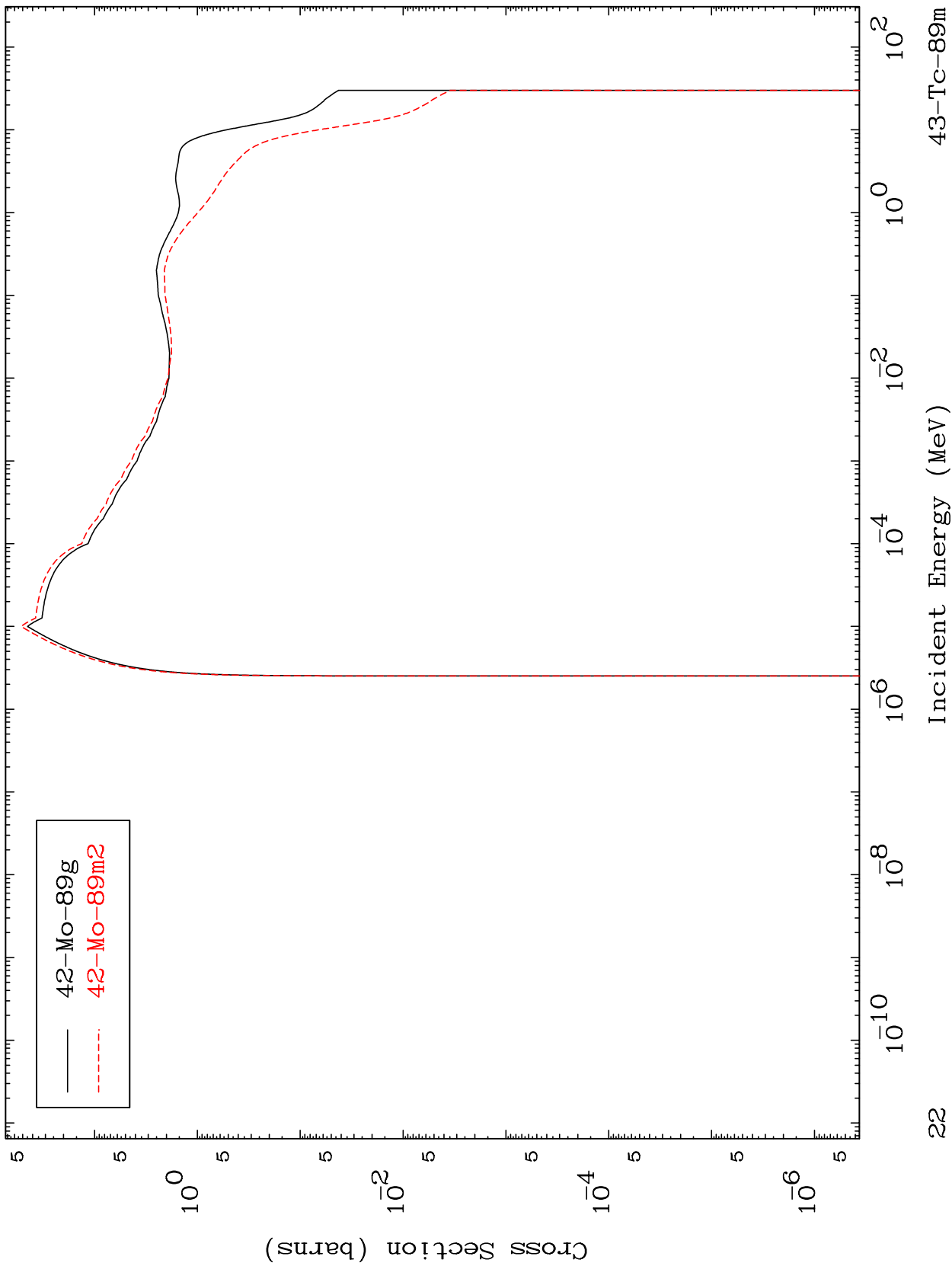
⁴³Tc-89m



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43-Tc-89m

(n,p)
Radionuclide Production Cross Section

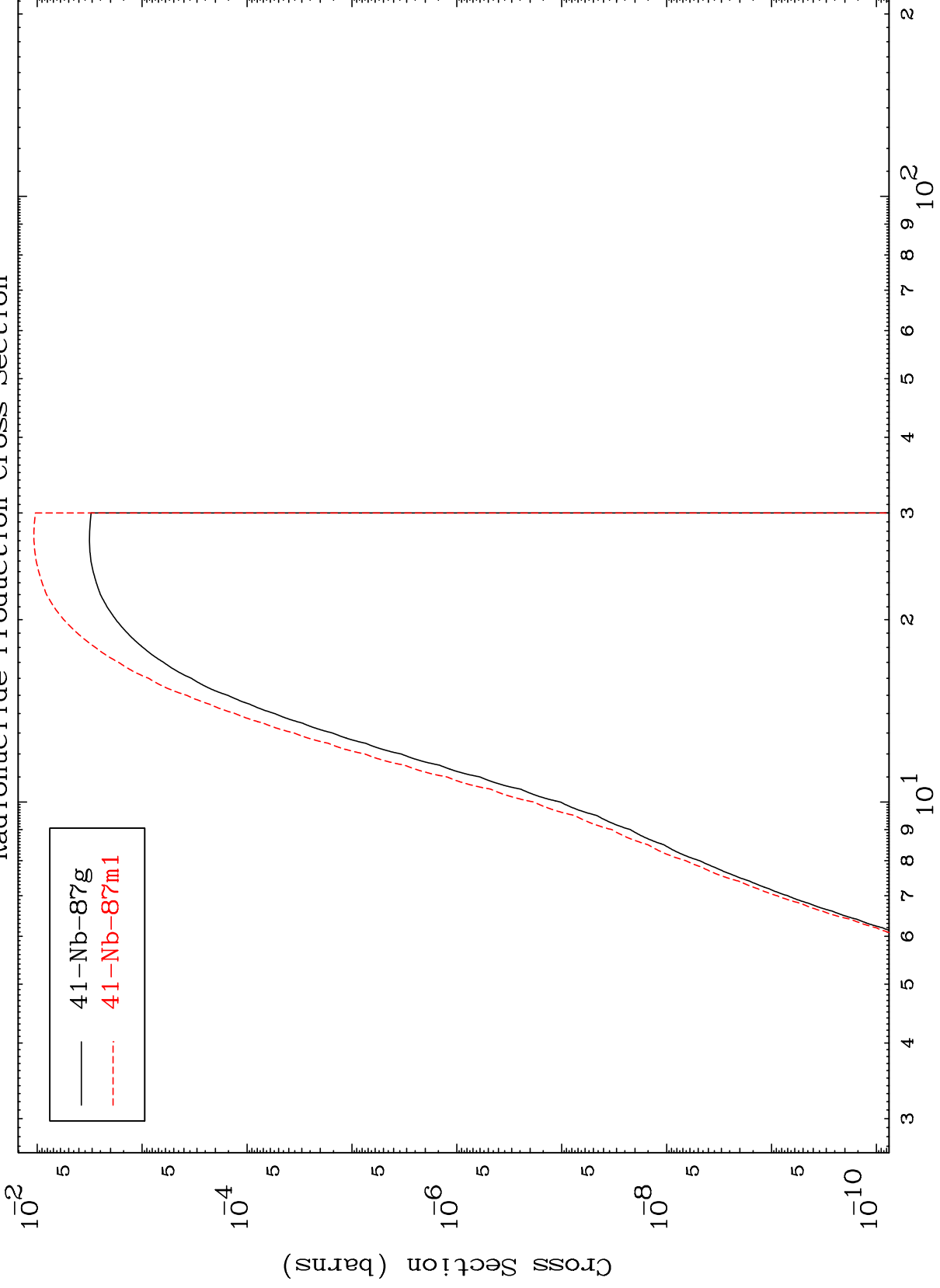


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(n,He-3)

43-Tc-89m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

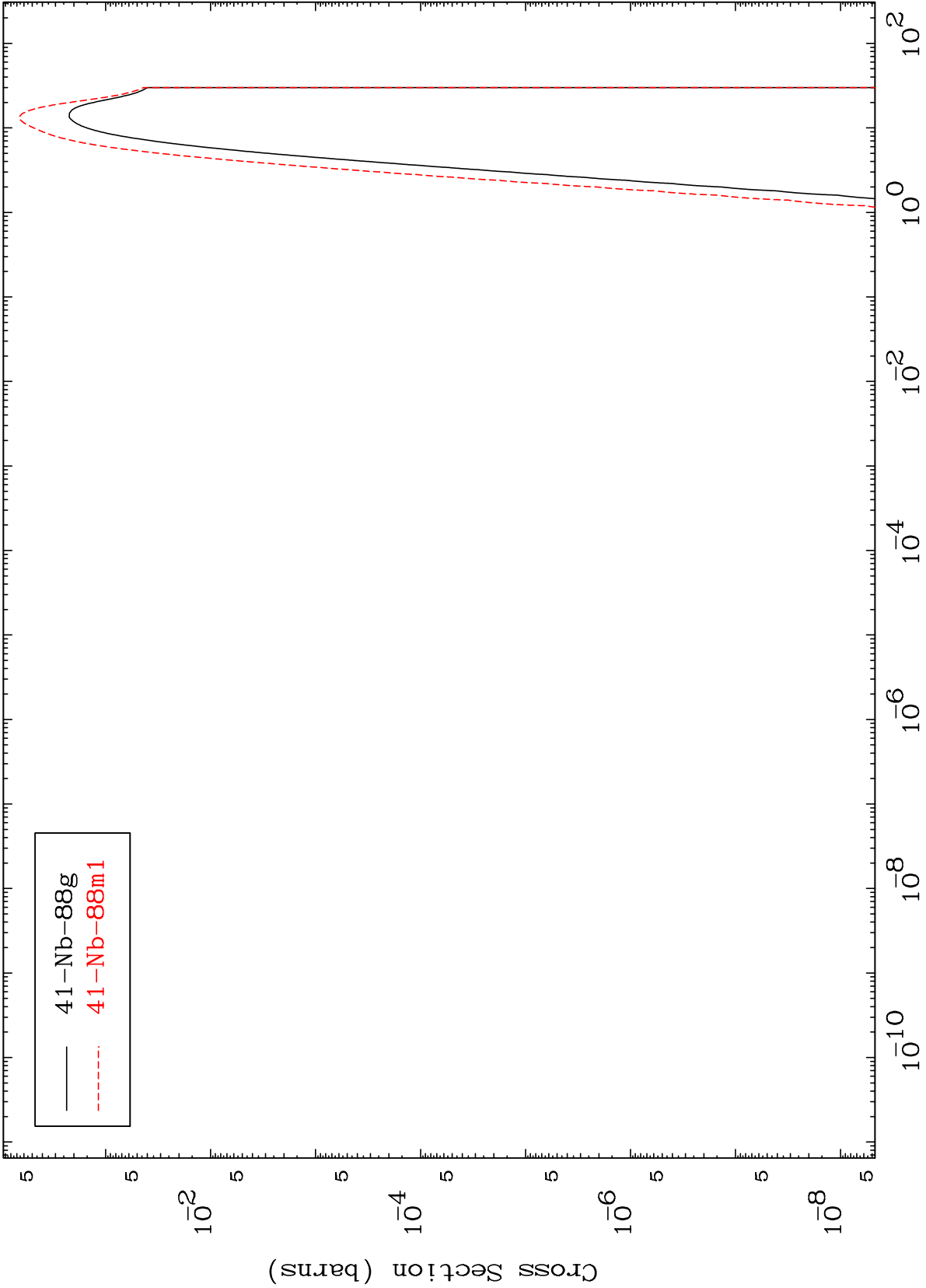
43-Tc-89m

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(n,2p)

43-Tc-89m

Radionuclide Production Cross Section

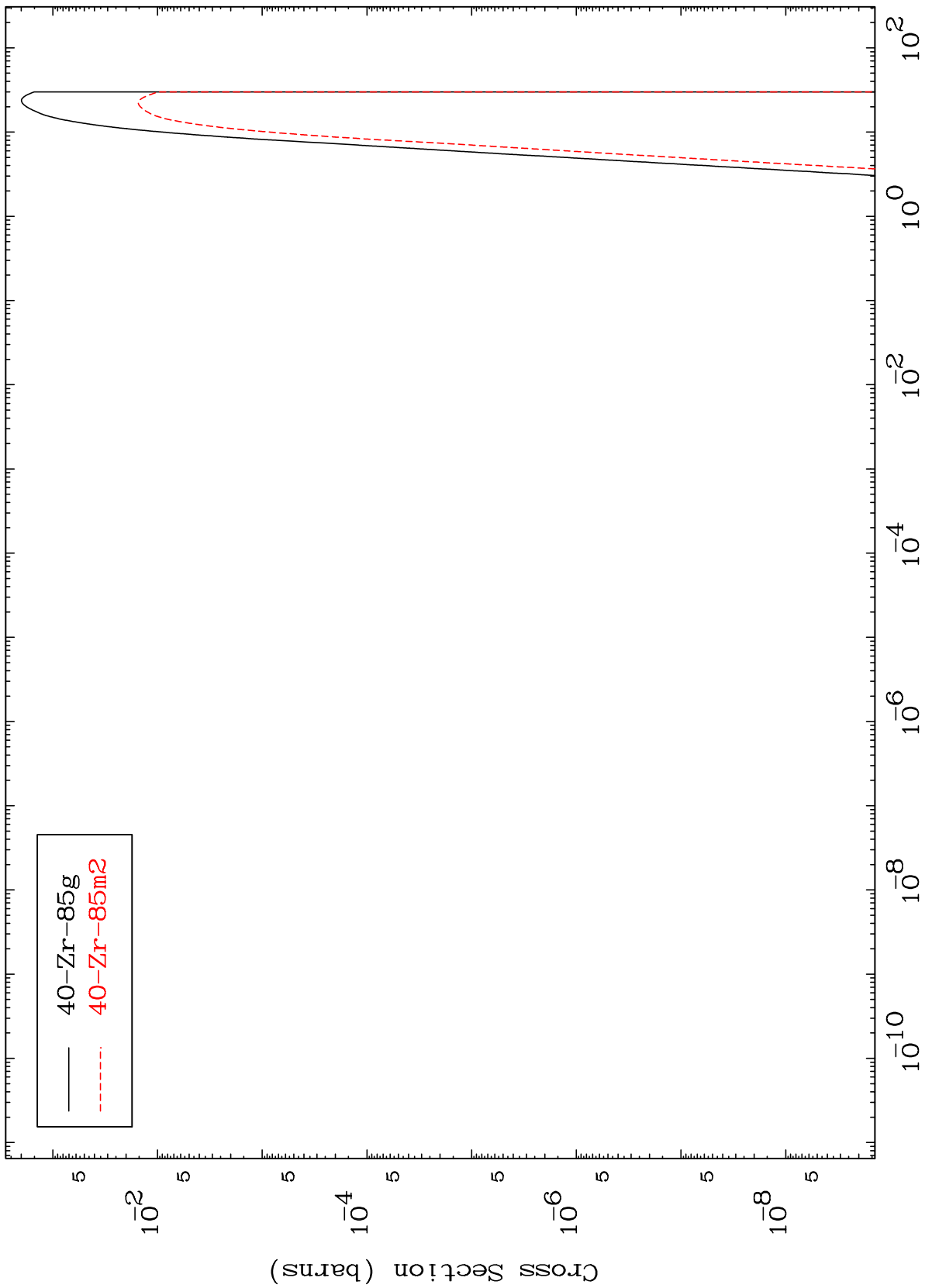


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(n,p) α

$^{43}\text{Tc-89m}$

Radionuclide Production Cross Section



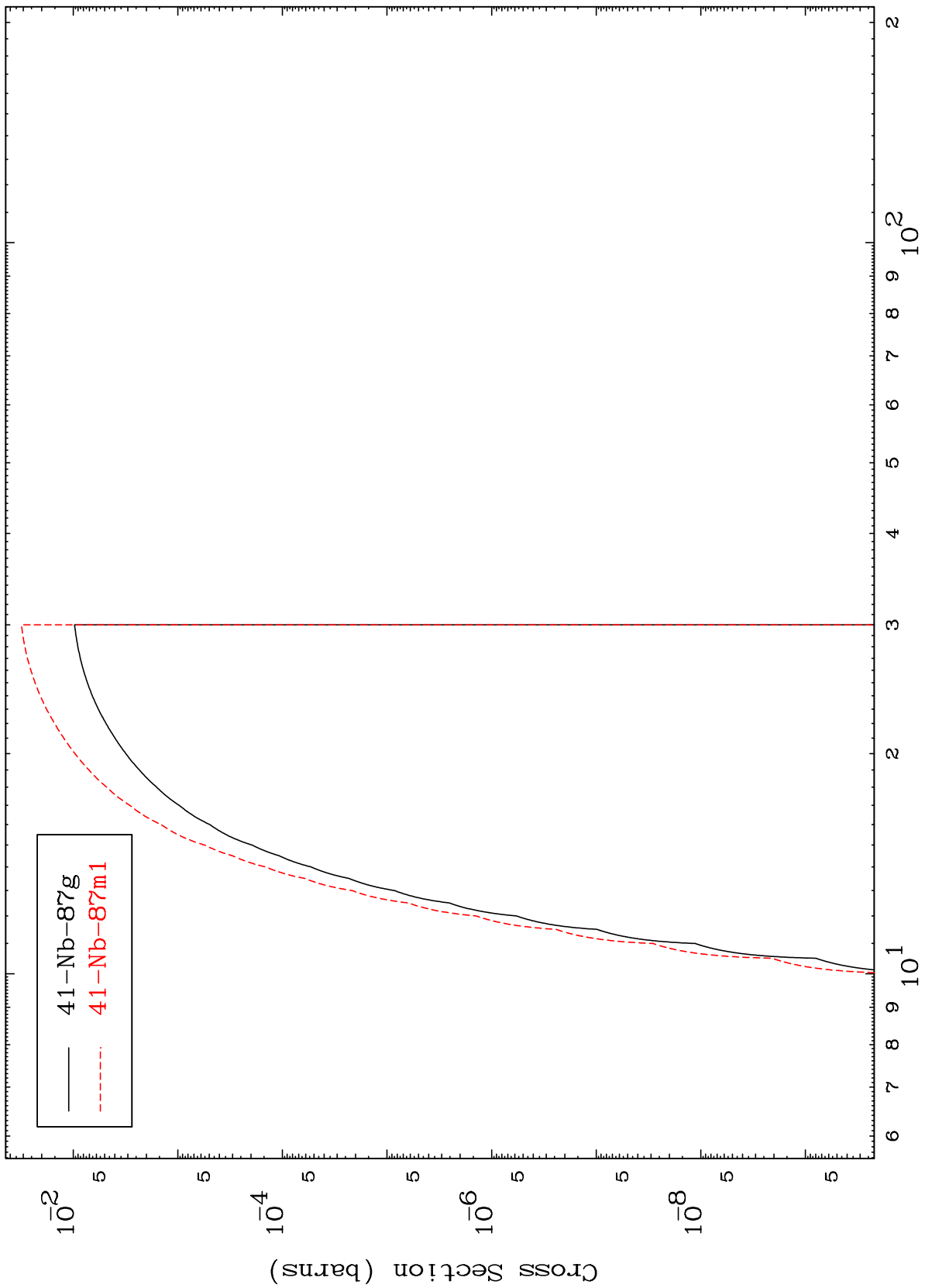
— 40-Zr-85g
- - - 40-Zr-85m2

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(n,p) d

43-Tc-89m

Radionuclide Production Cross Section



41-Nb-87g
41-Nb-87m1

26

Incident Energy (MeV)

43-Tc-89m