

Program EVALPLOT
(Version 2021-1)

by

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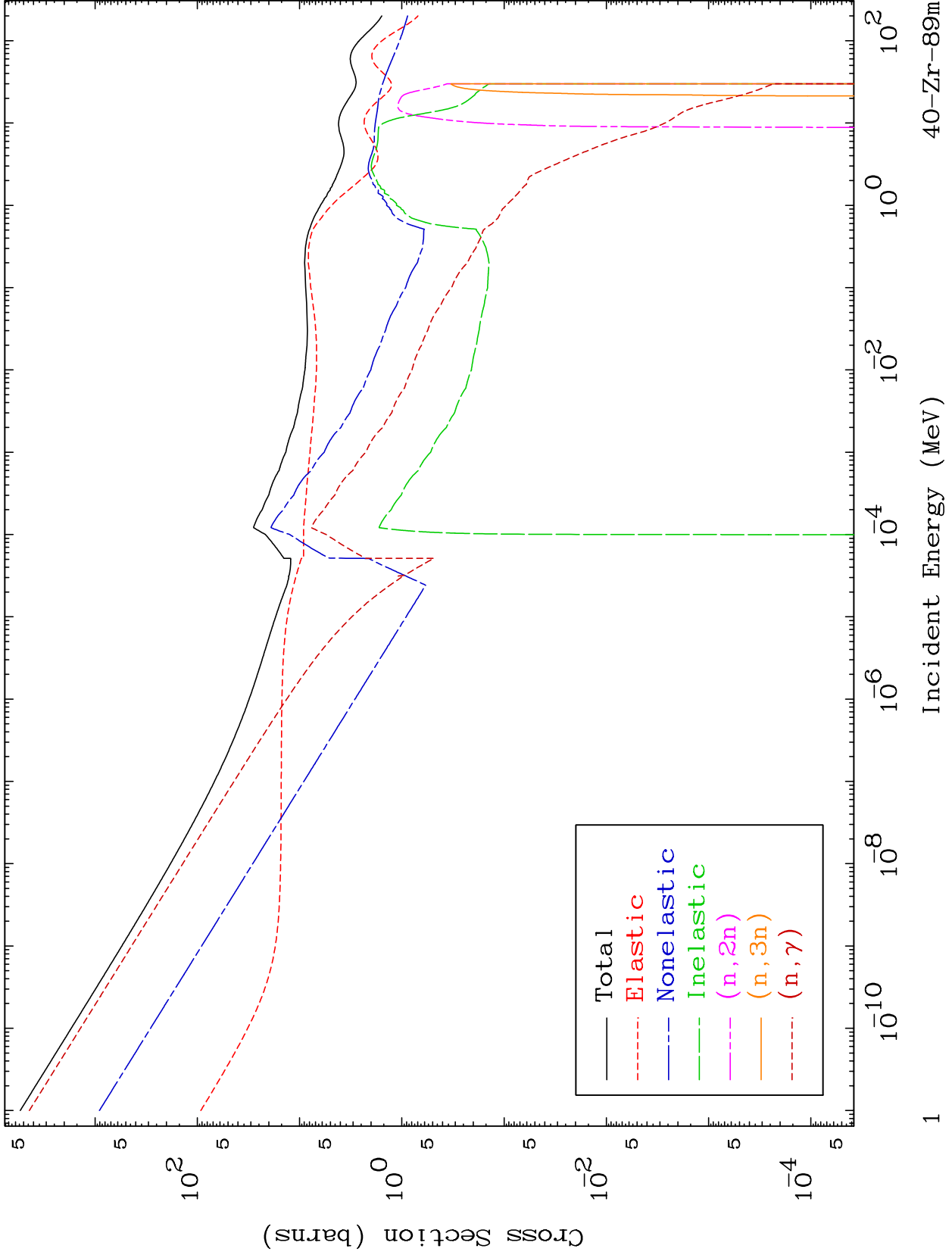
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Press Mouse Button to Start

MAT 4023

Neutron Major
293 Kelvin Cross Sections

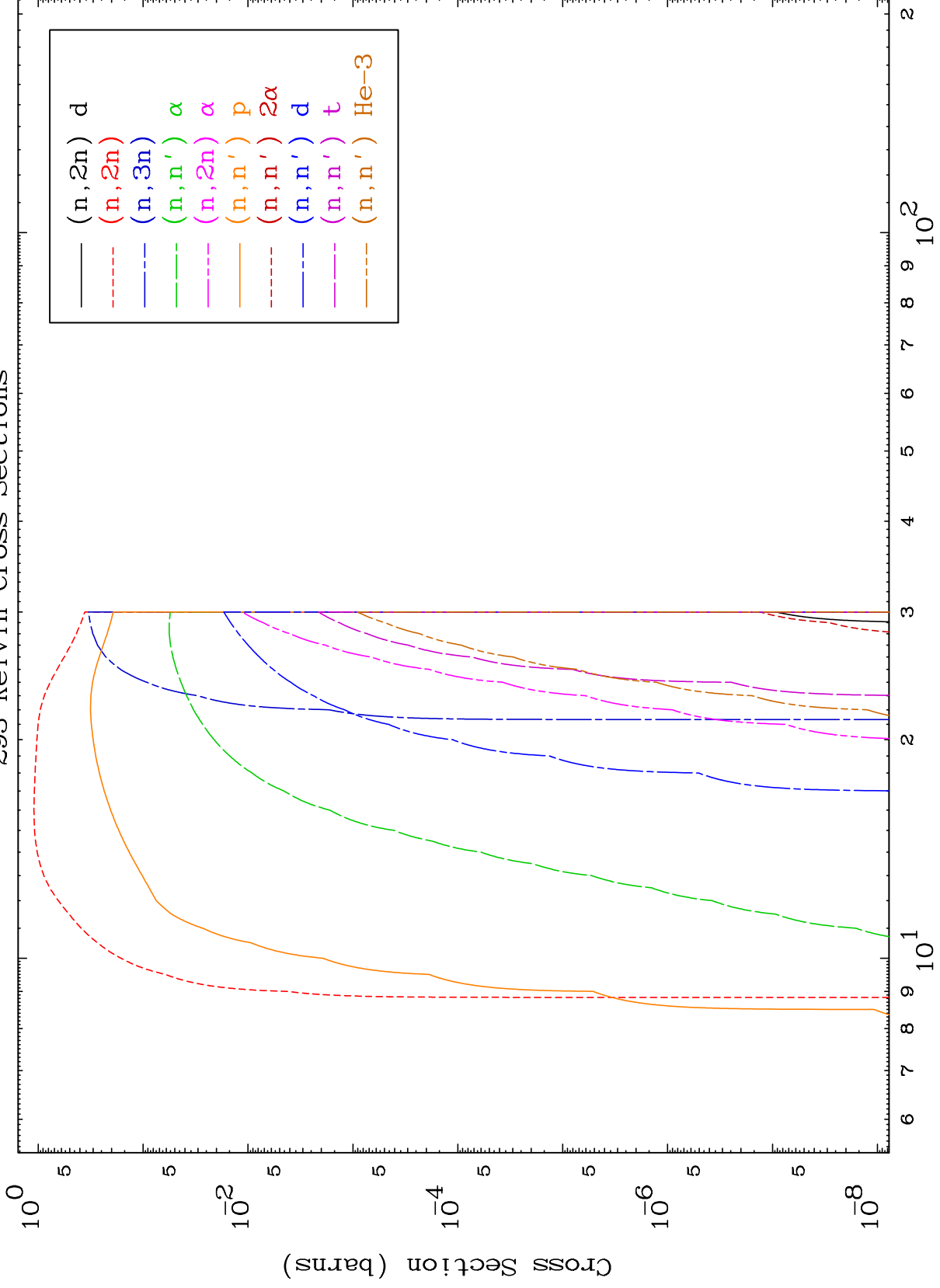
40-Zr-89m



MAT 4023

Neutron Absorption
293 Kelvin Cross Sections

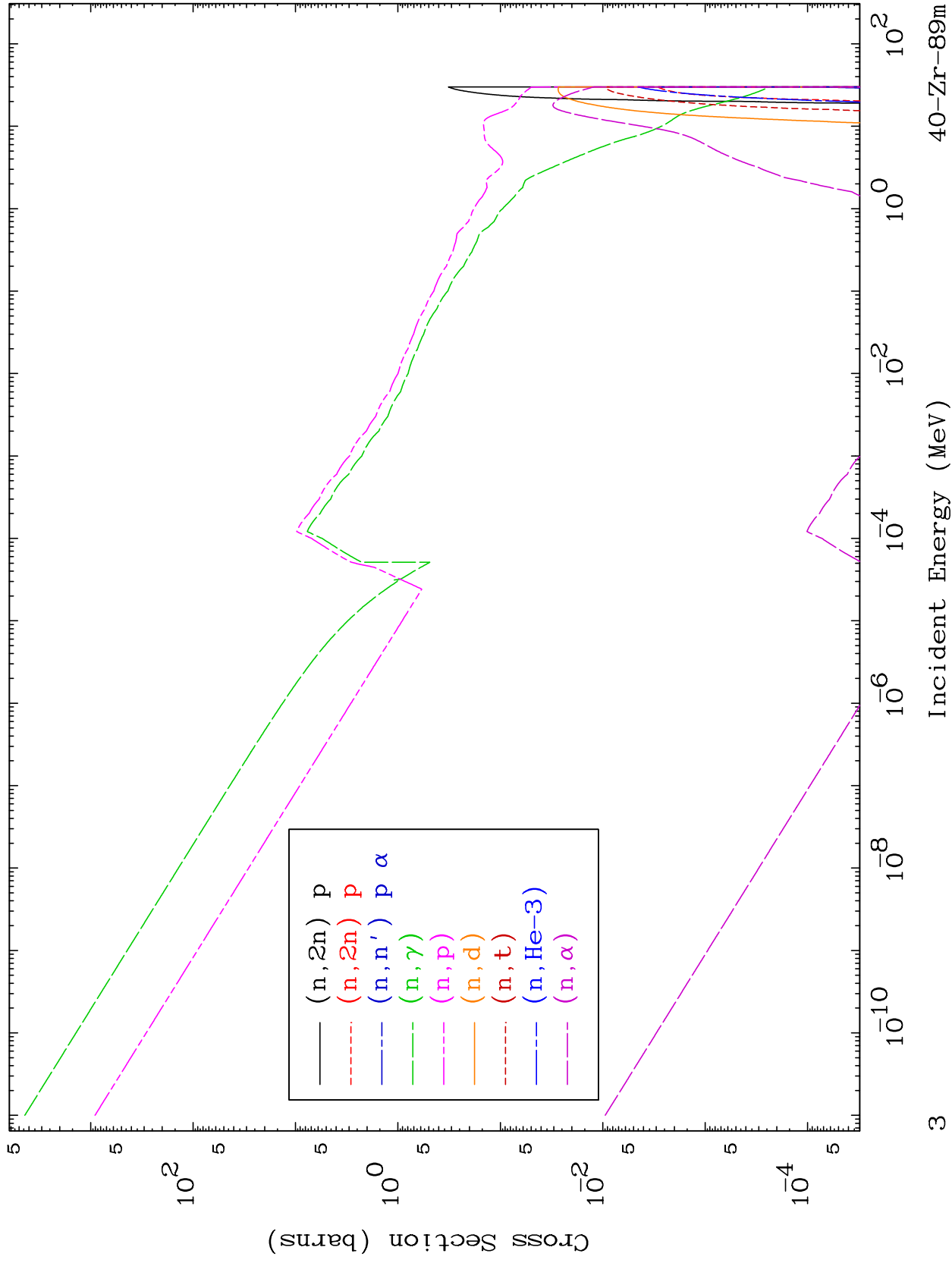
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MAT 4023

Neutron Absorption
293 Kelvin Cross Sections

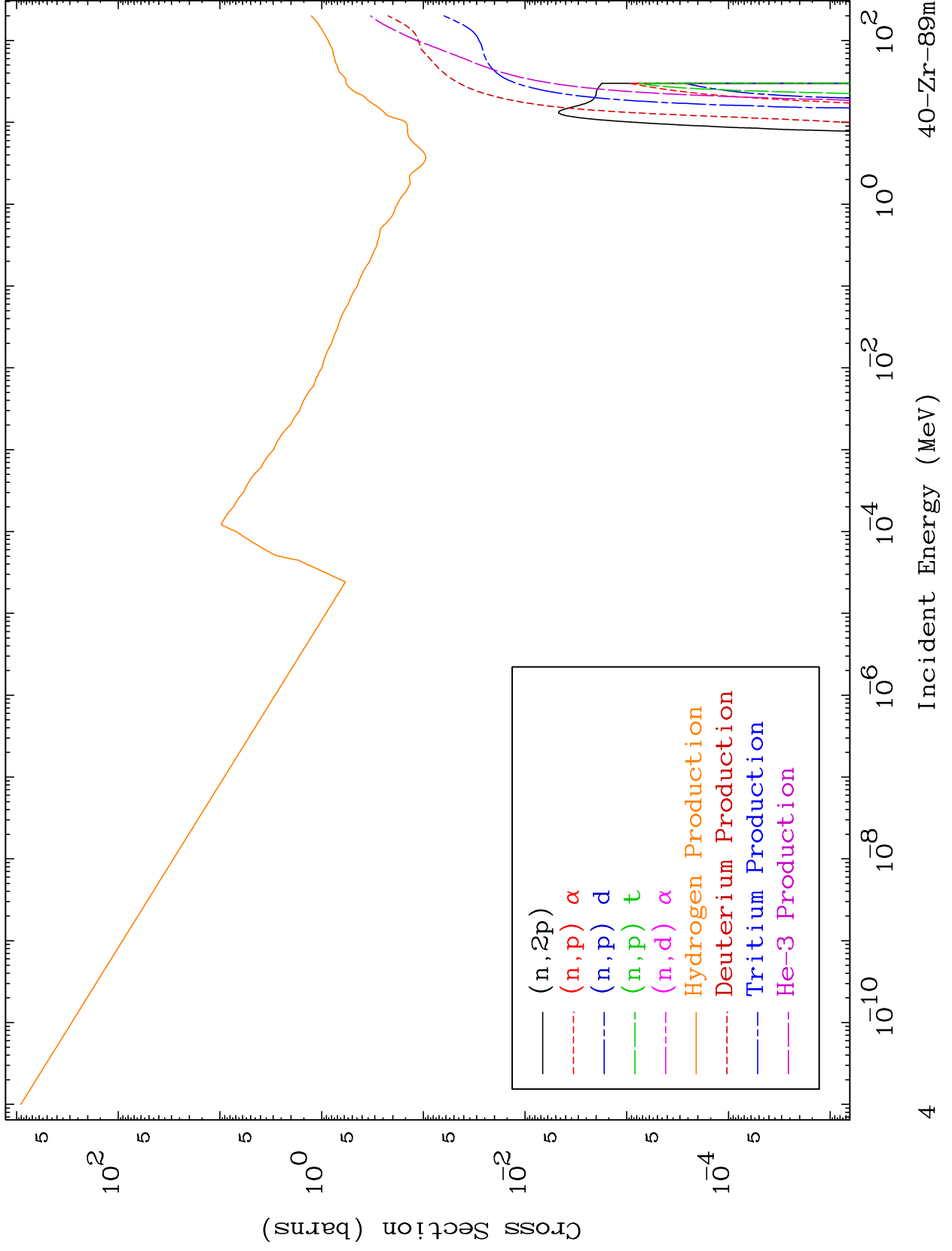
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MAT 4023

Neutron Absorption
293 Kelvin Cross Sections

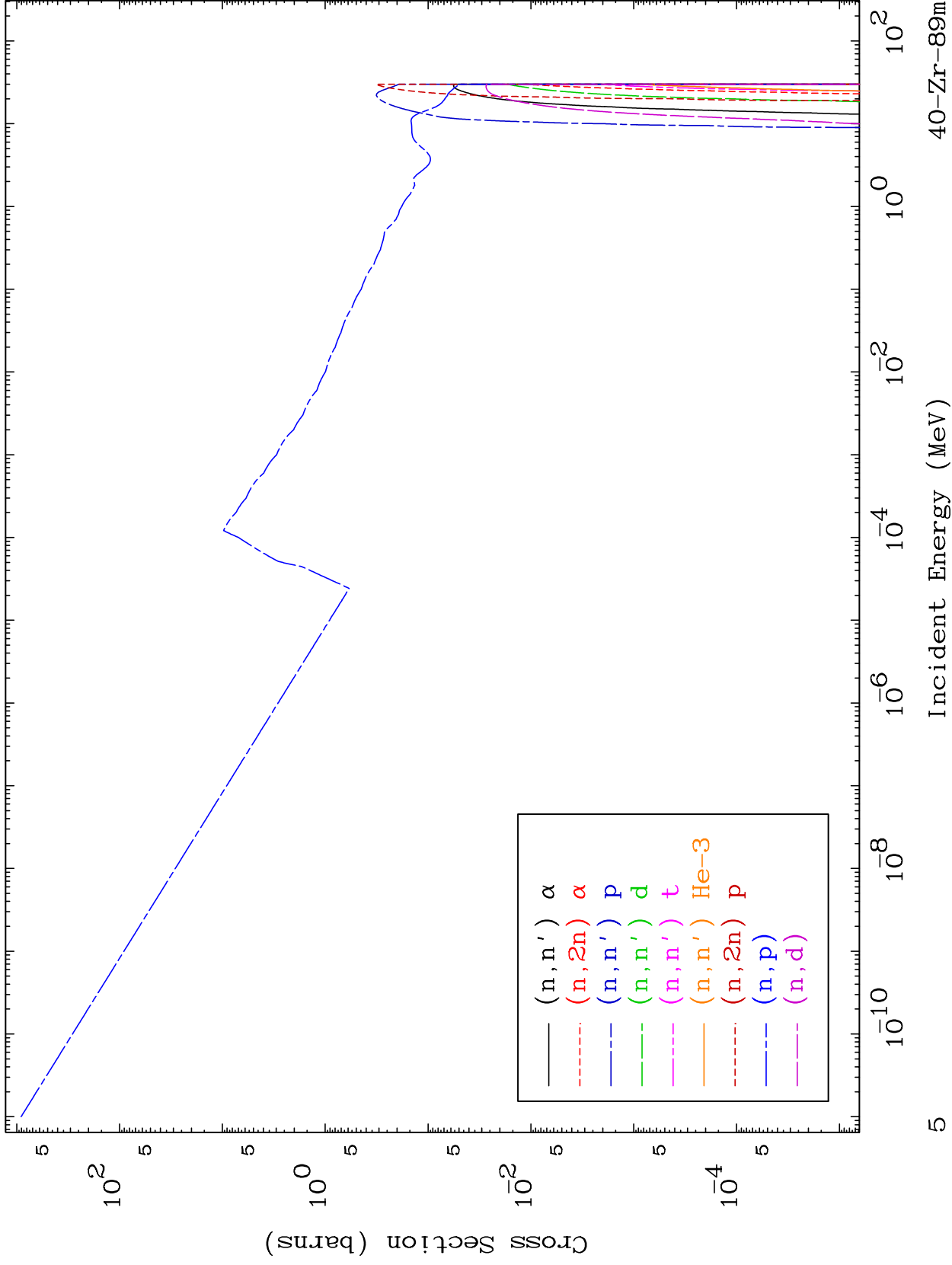
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MAT 4023

Charged Particle
293 Kelvin Cross Sections

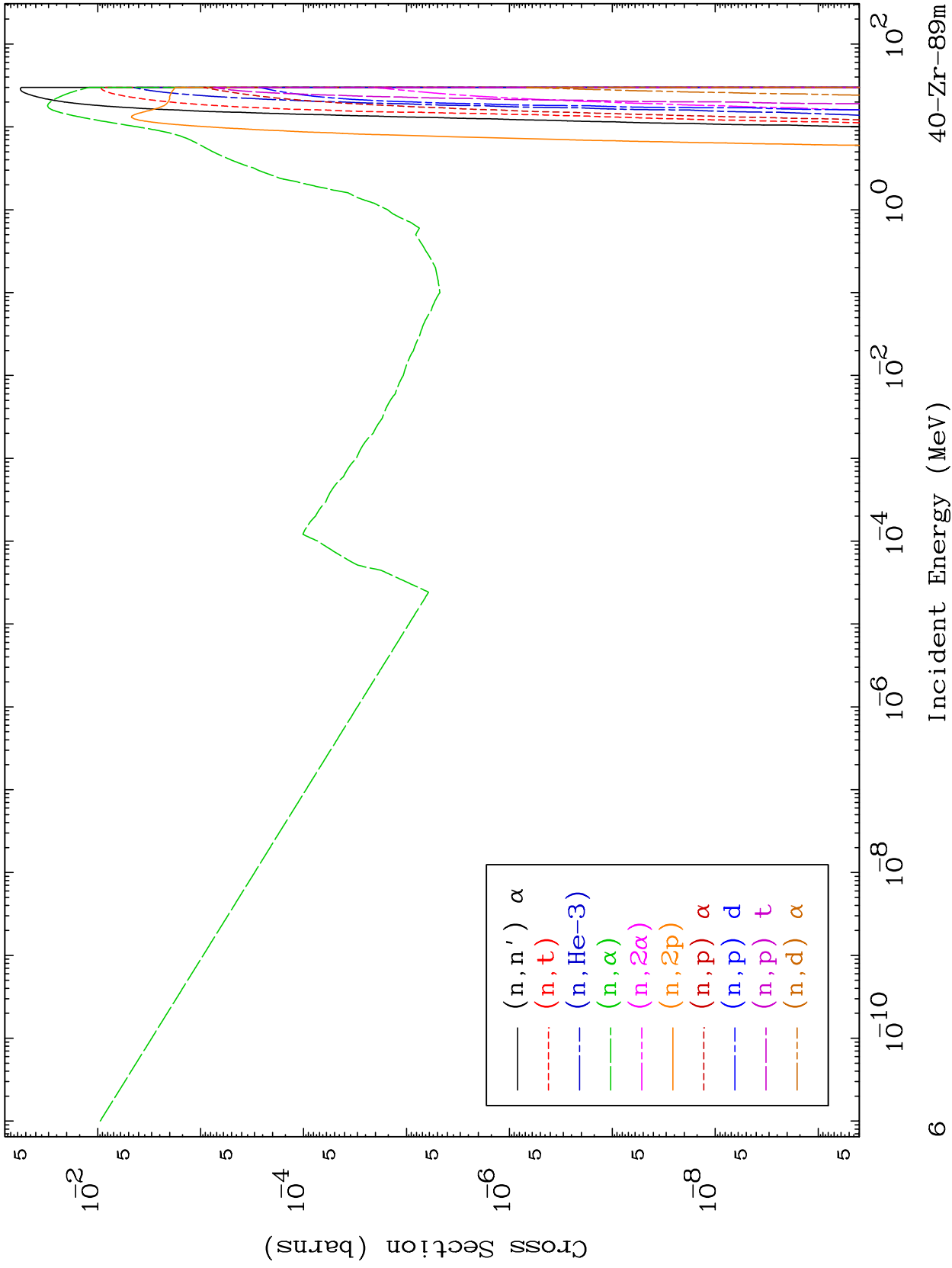
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MAT 4023

Charged Particle
293 Kelvin Cross Sections

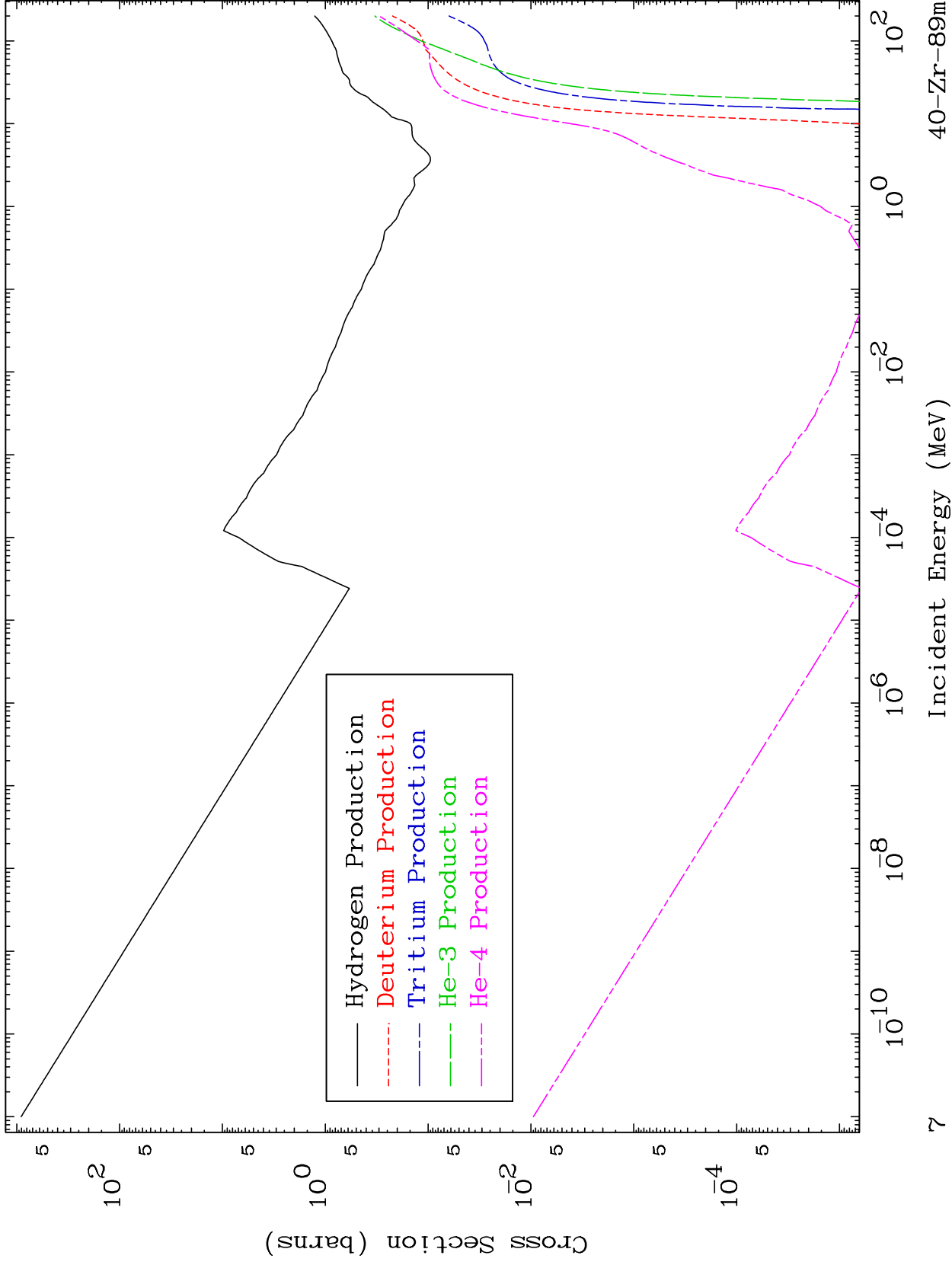
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MAT 4023

Particle Production
293 Kelvin Cross Sections

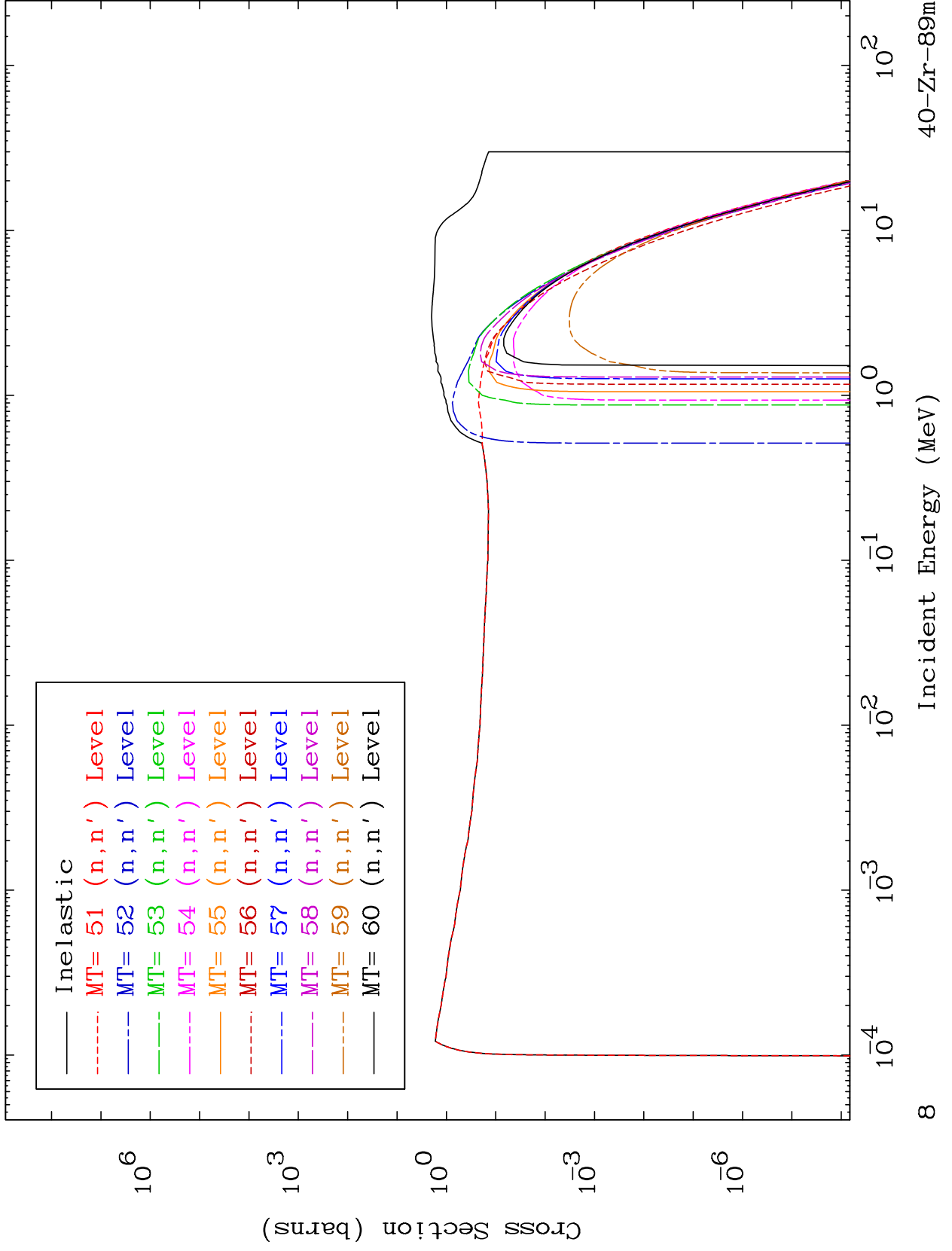
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MAT 4023

(n,n') Levels
293 Kelvin Cross Sections

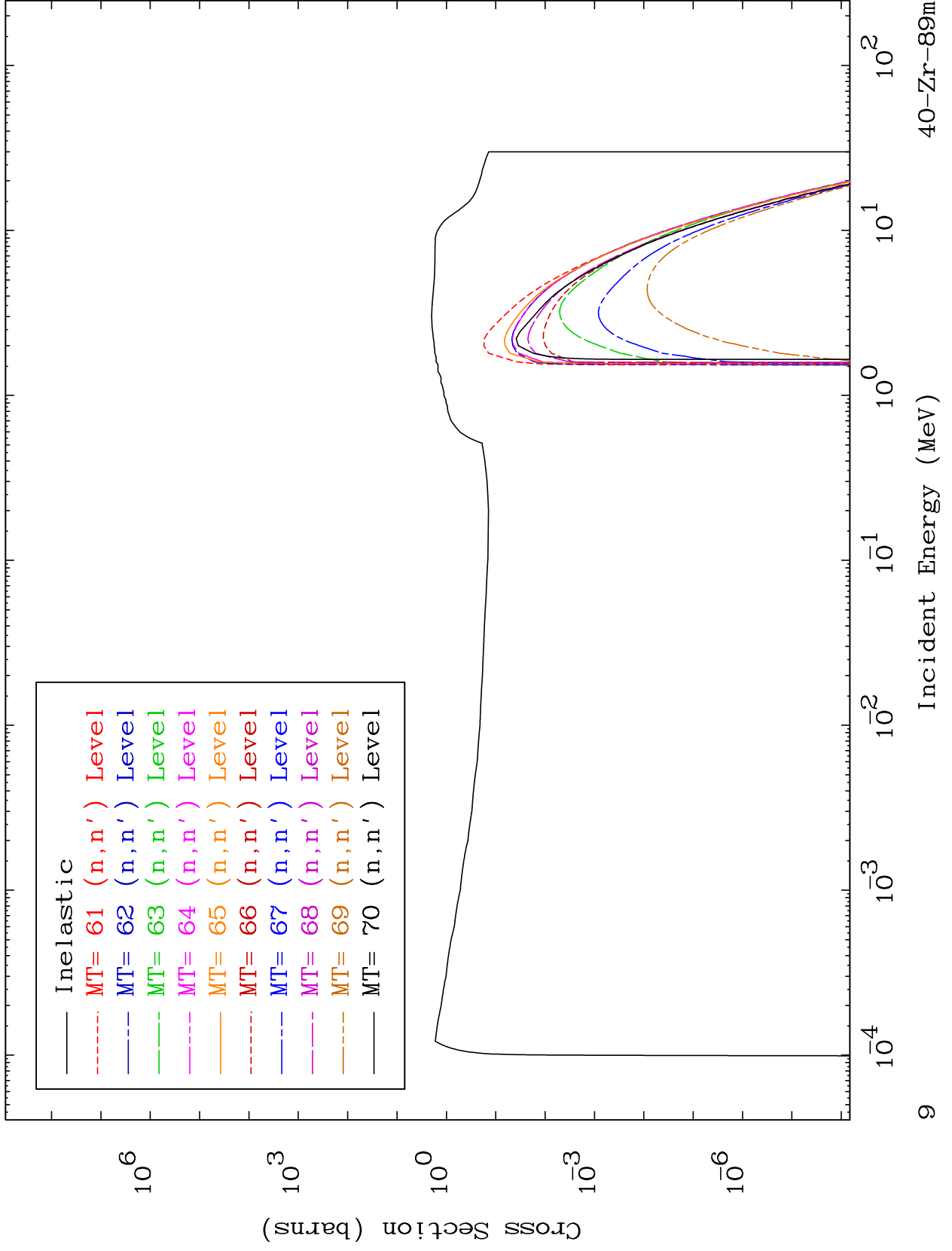
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MAT 4023

(n,n') Levels
293 Kelvin Cross Sections

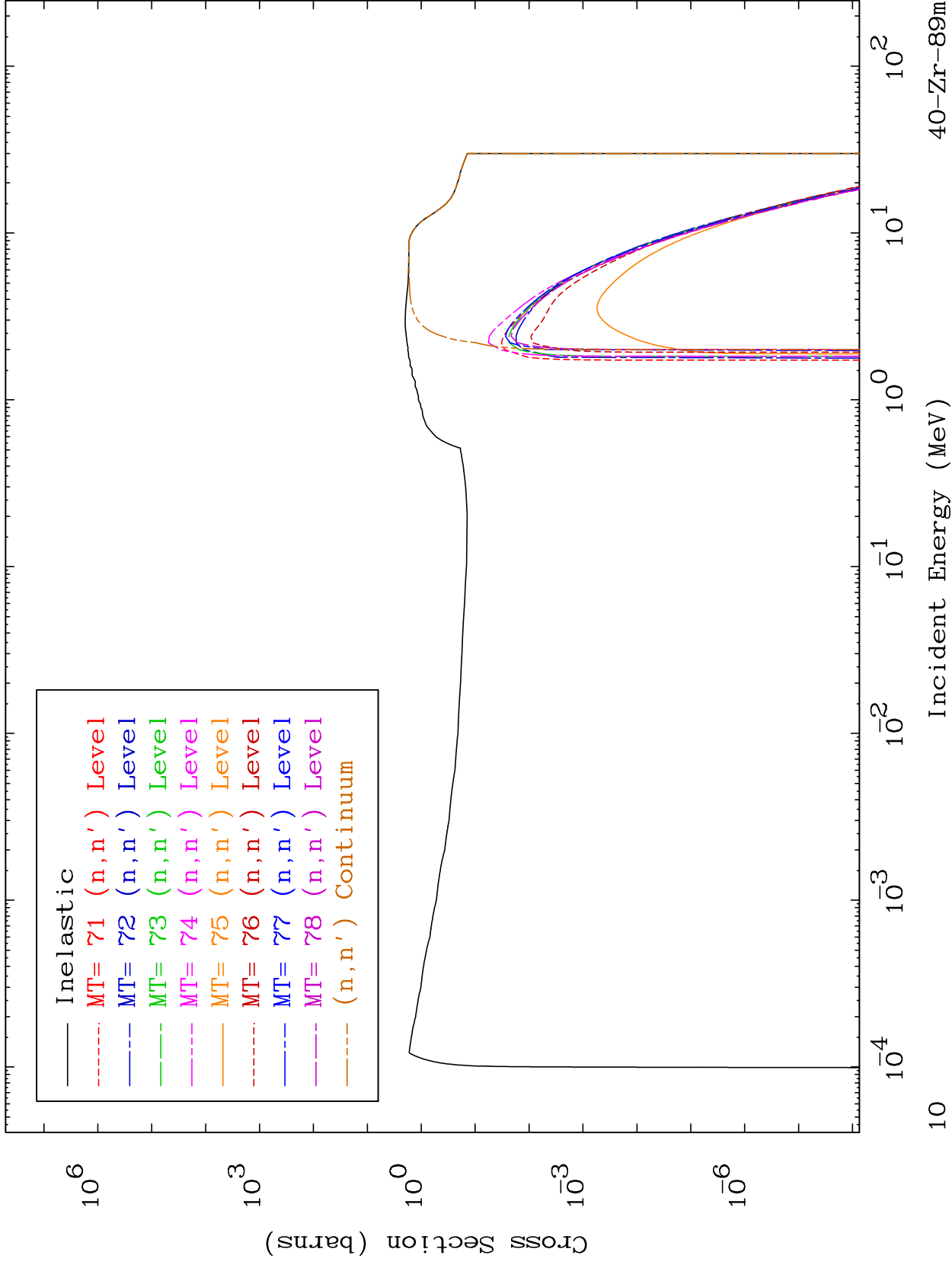
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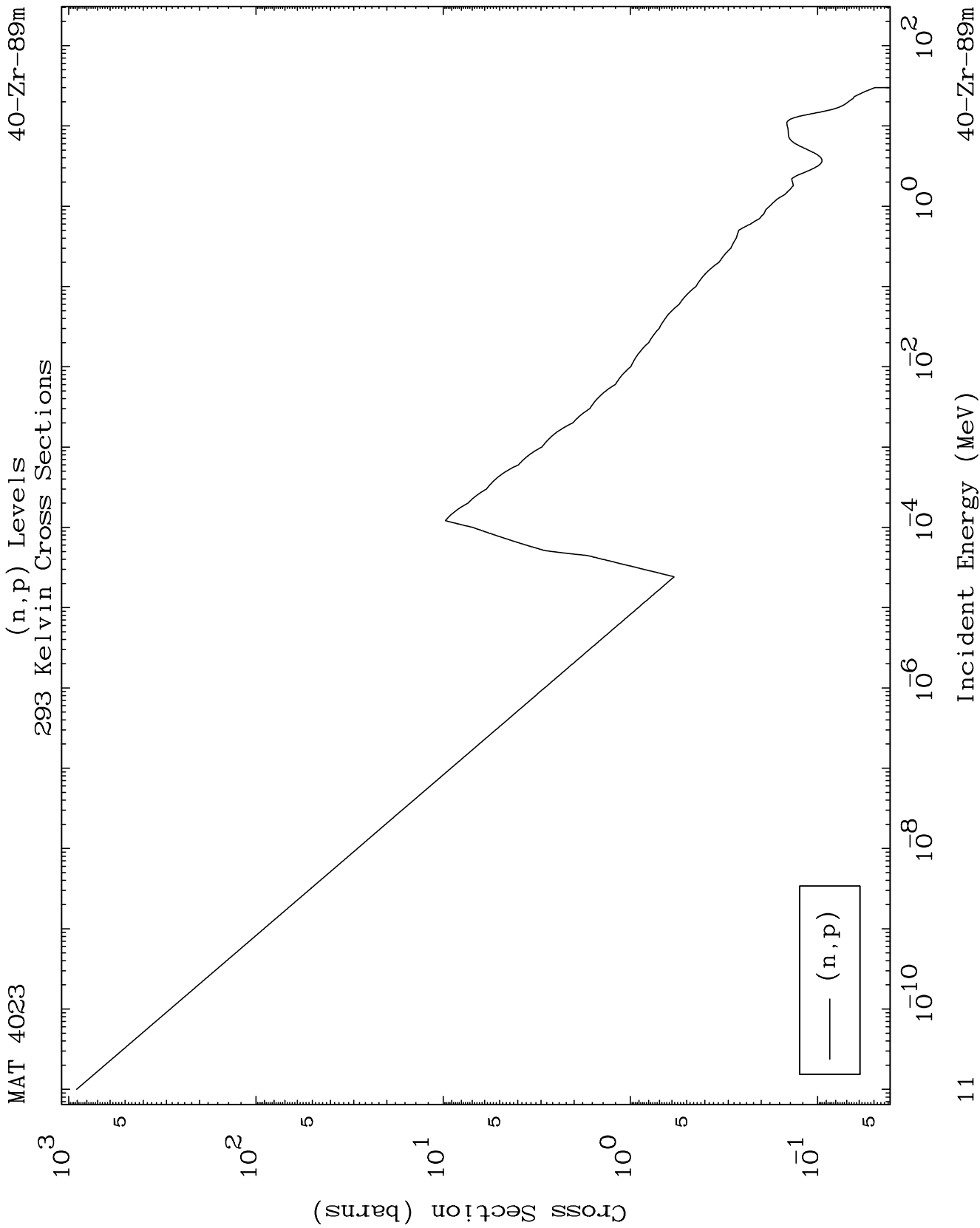


MAT 4023

(n,n') Levels
293 Kelvin Cross Sections

40-Zr-89m

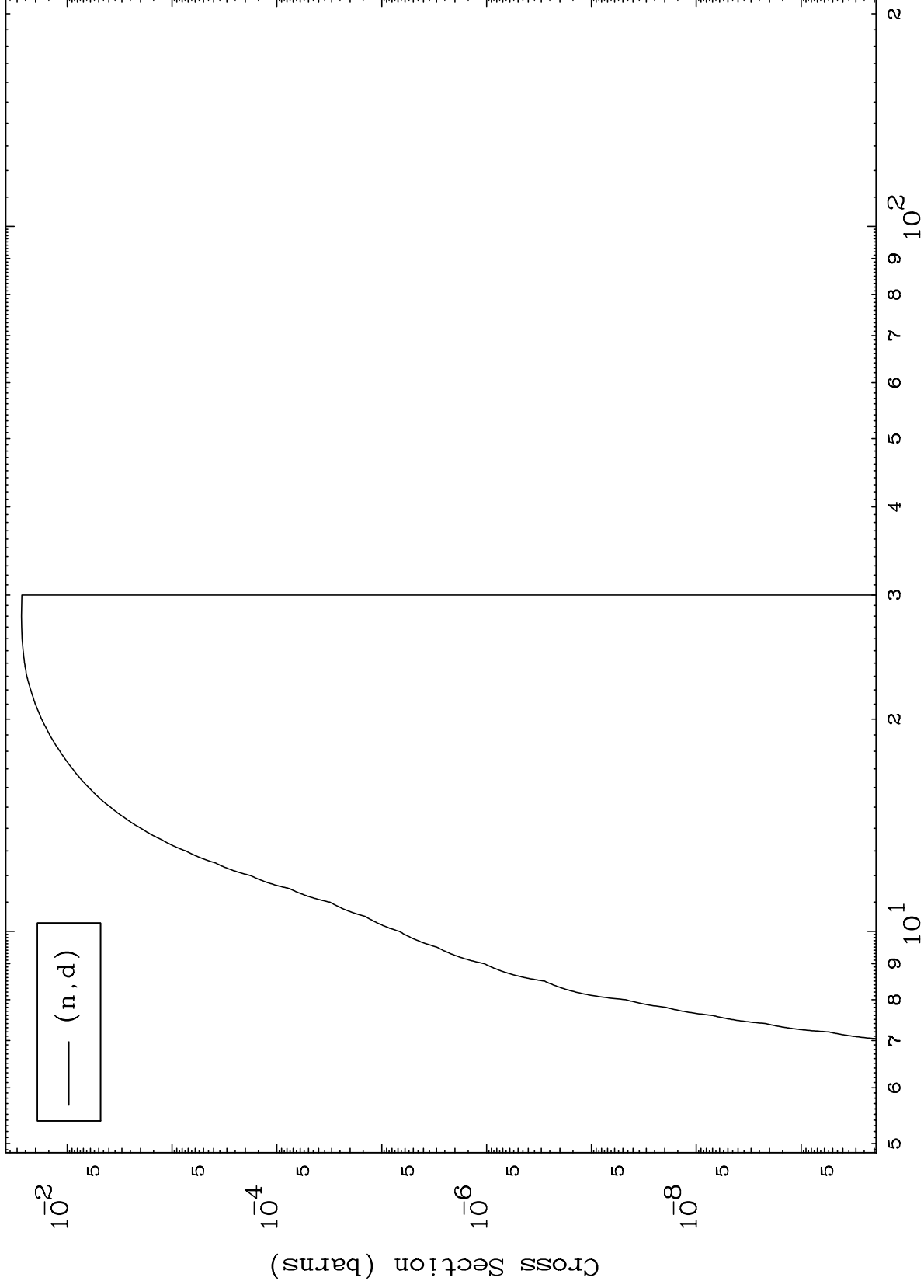




MAT 4023

(n,d) Levels
293 Kelvin Cross Sections

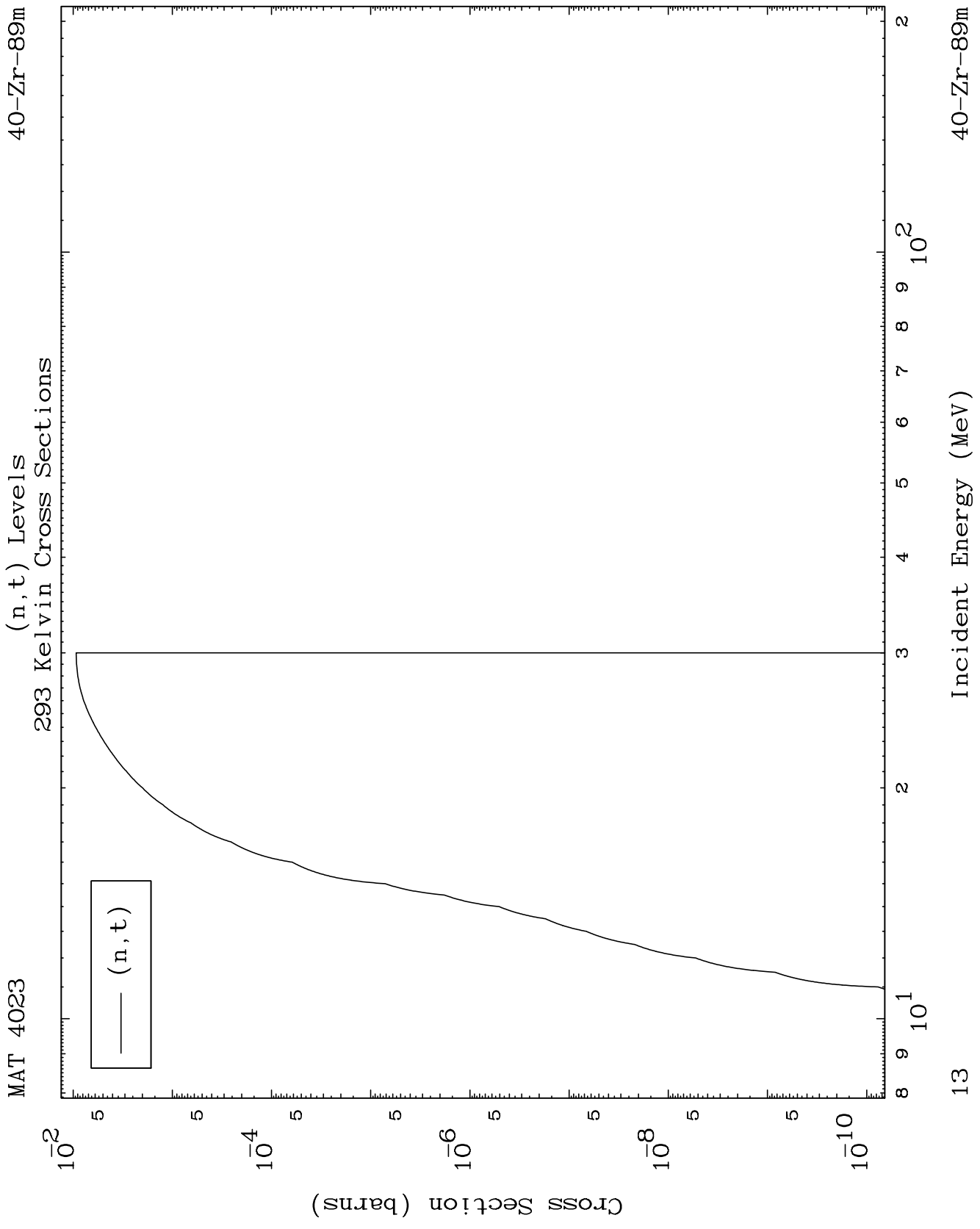
40-Zr-89m



12

Incident Energy (MeV)

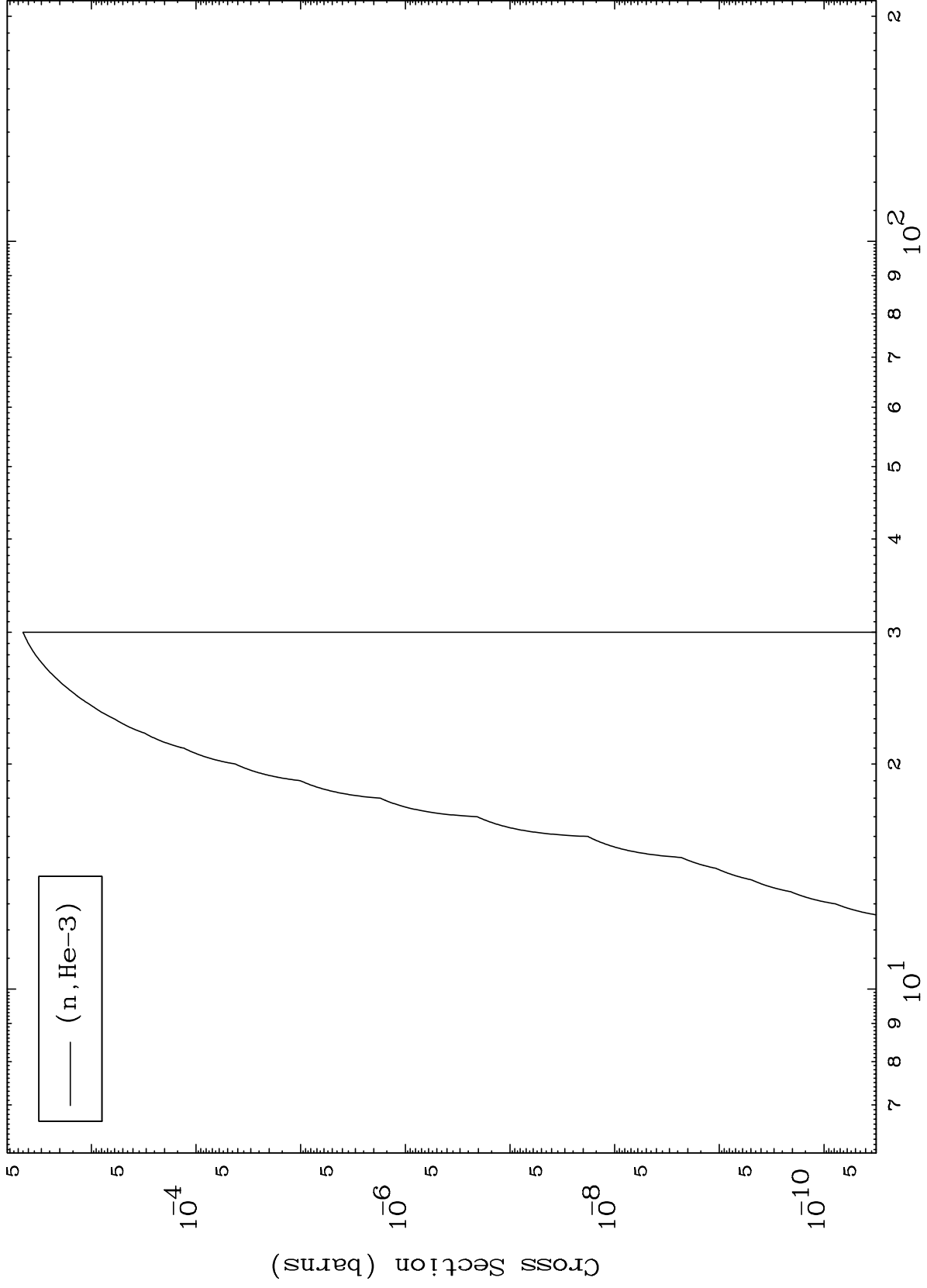
40-Zr-89m



MAT 4023

(n,He3) Levels
293 Kelvin Cross Sections

40-Zr-89m



14

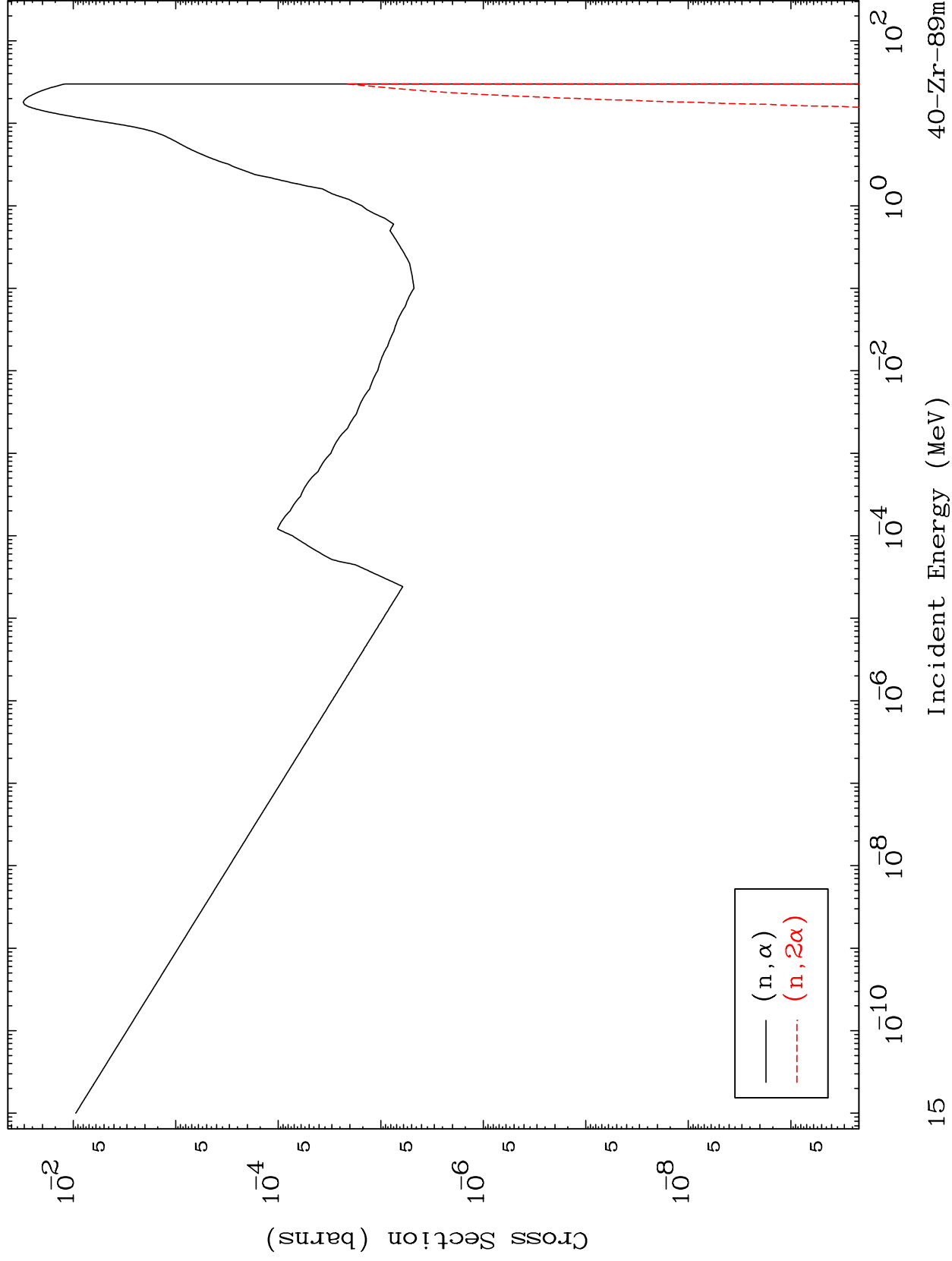
Incident Energy (MeV)

40-Zr-89m

MAT 4023

(n, α) Levels
293 Kelvin Cross Sections

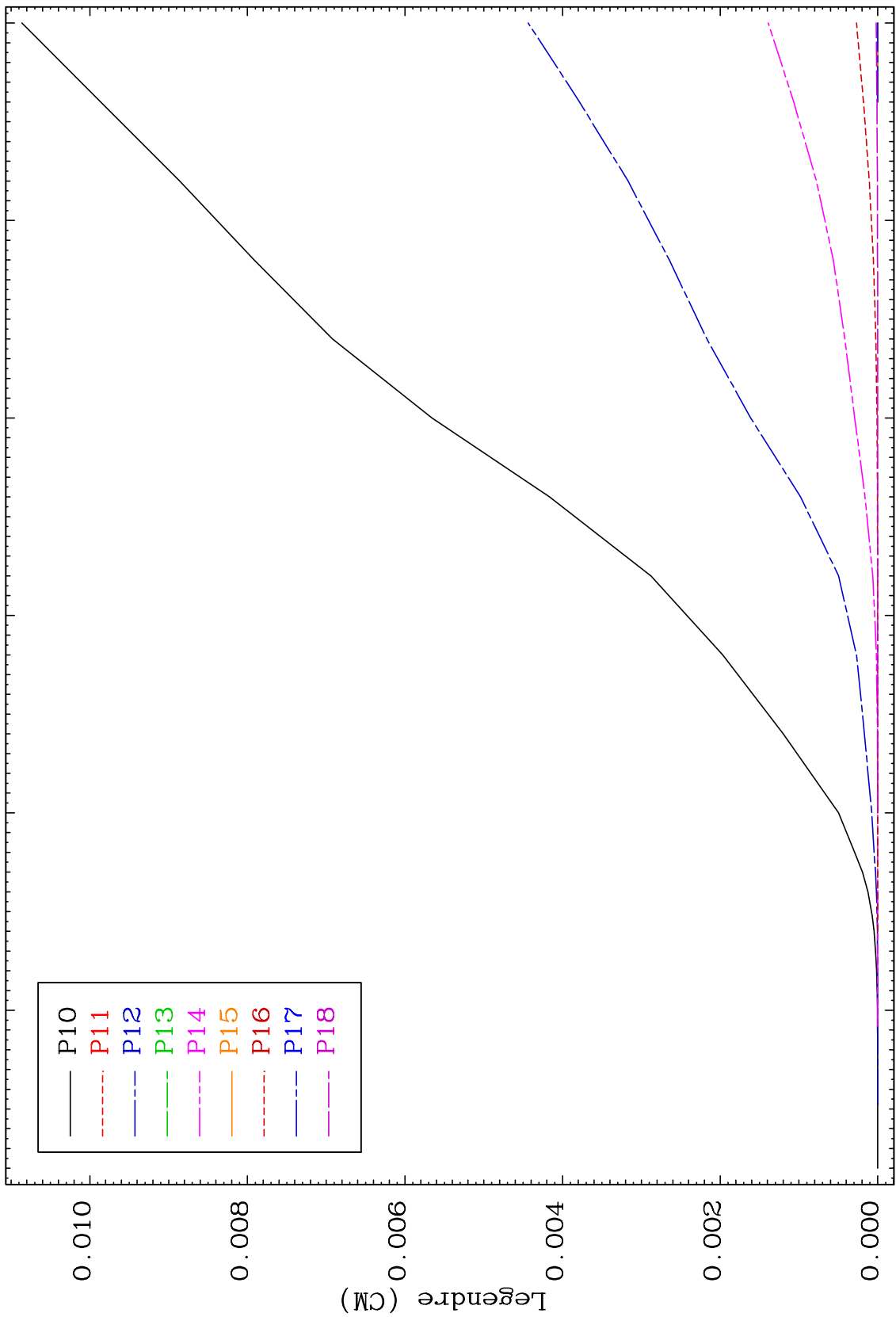
40-Zr-89m



MAT 4023

Elastic Legendre Coefficients

40-Zr-89m



17

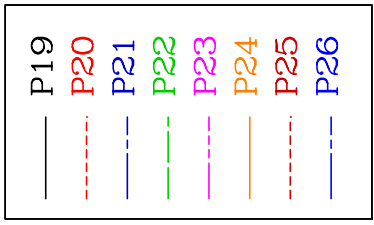
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Incident Energy (MeV)

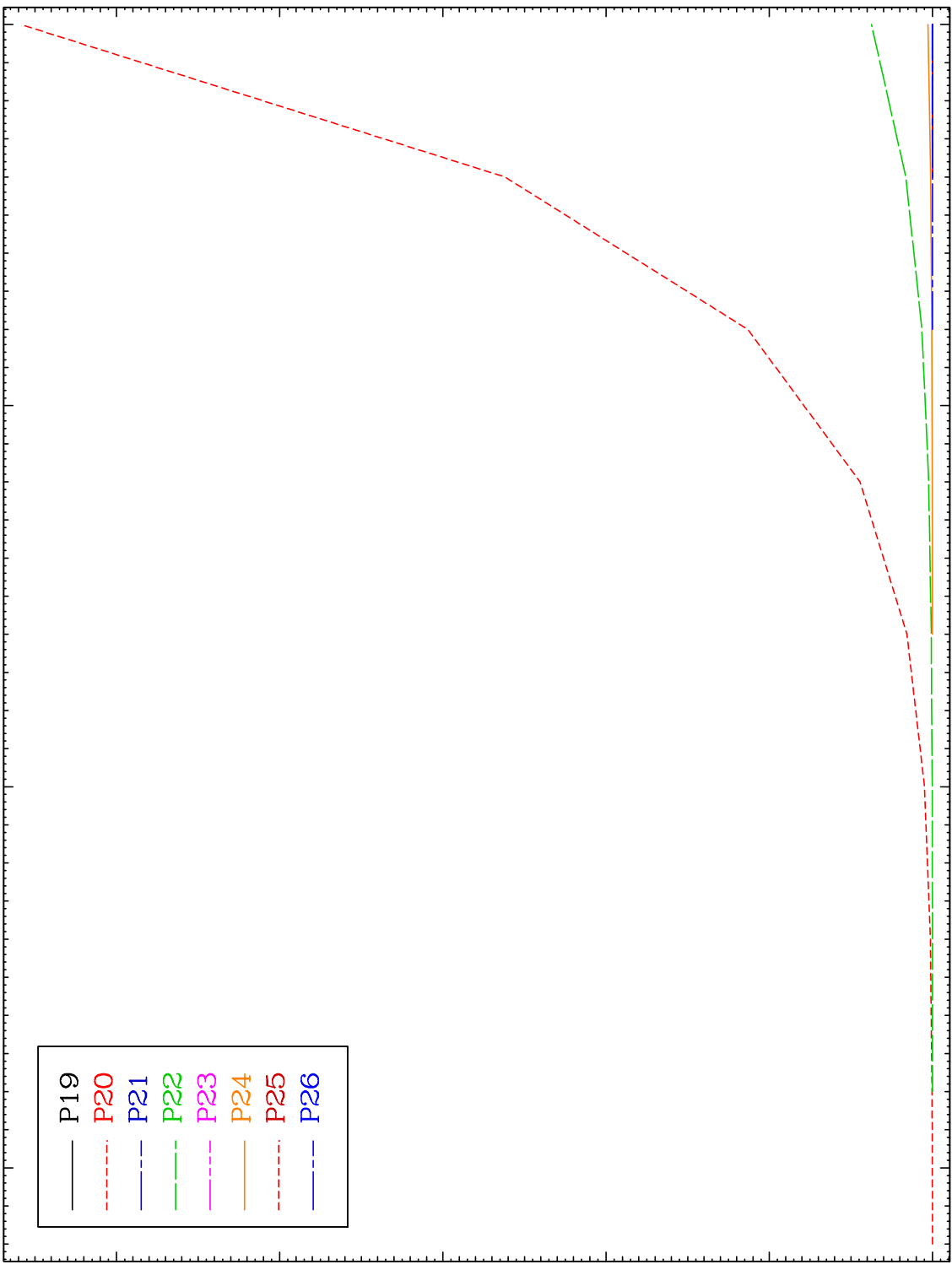
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Elastic Legendre Coefficients

40-Zr-89m



$\times 10^{-6}$
1.0
0.8
0.6
0.4
0.2
0.0



30

25

20

15

18

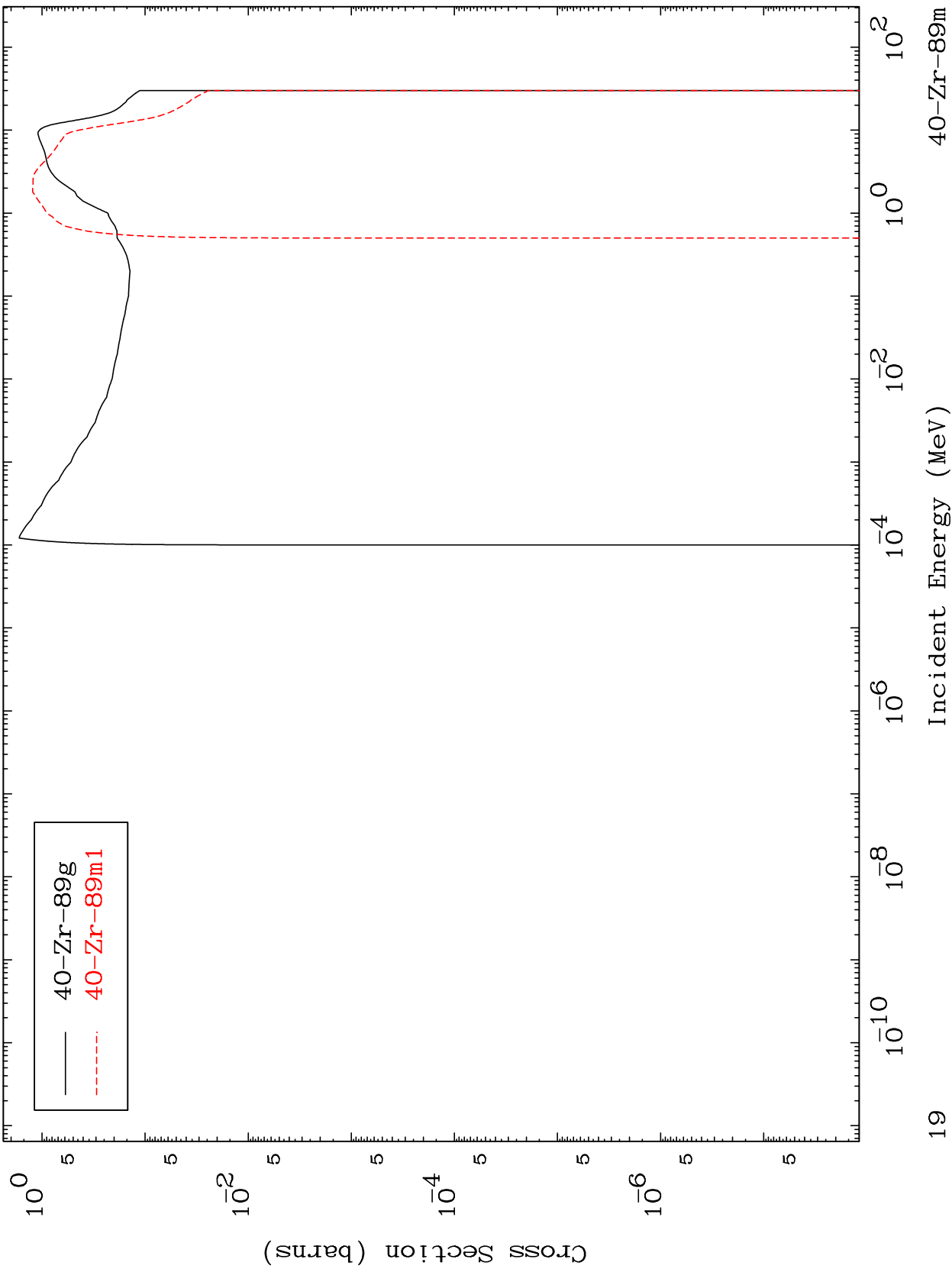
Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m

Inelastic
Radionuclide Production Cross Section

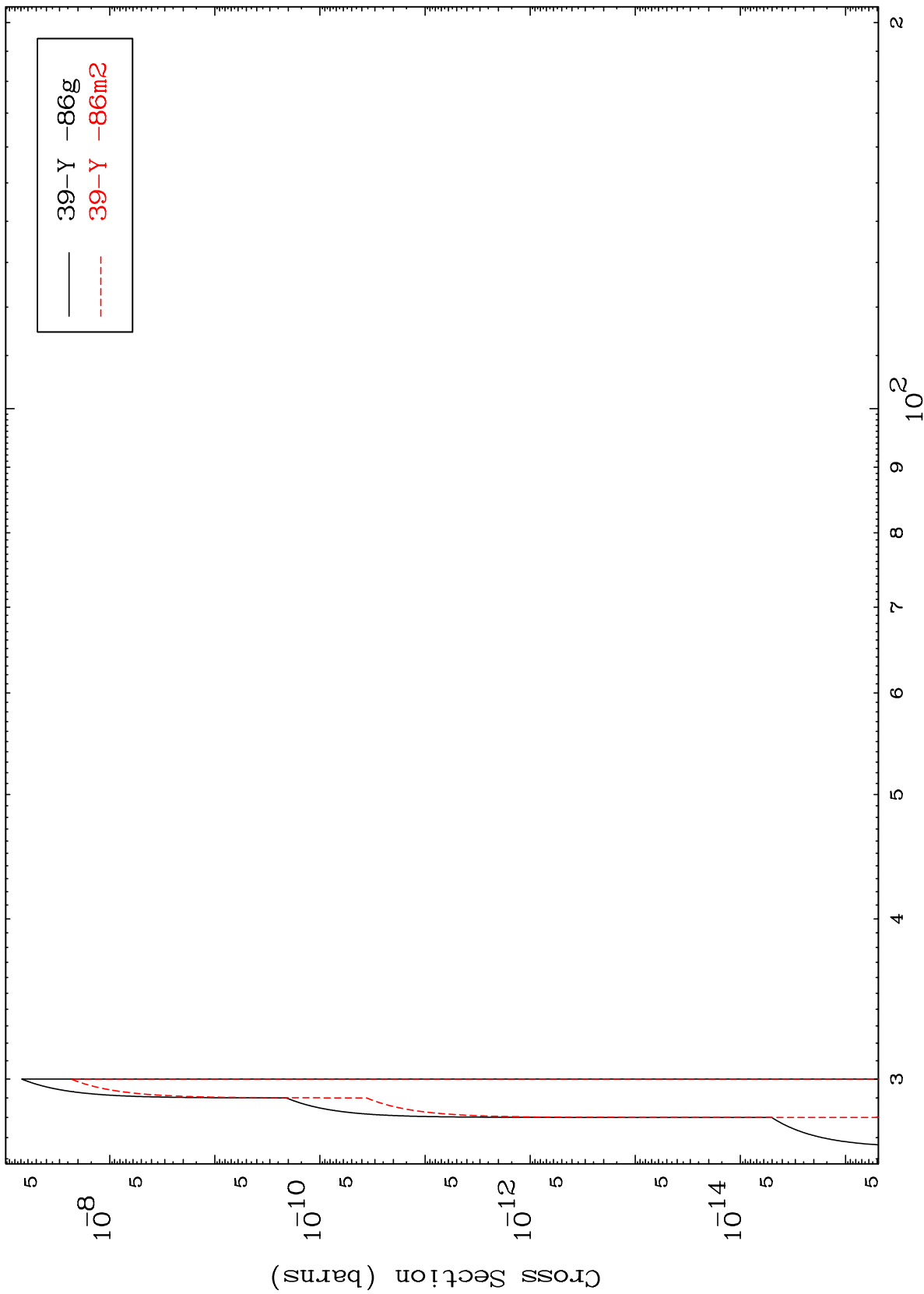


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(n,2n) d

40-Zr-89m

Radionuclide Production Cross Section



20

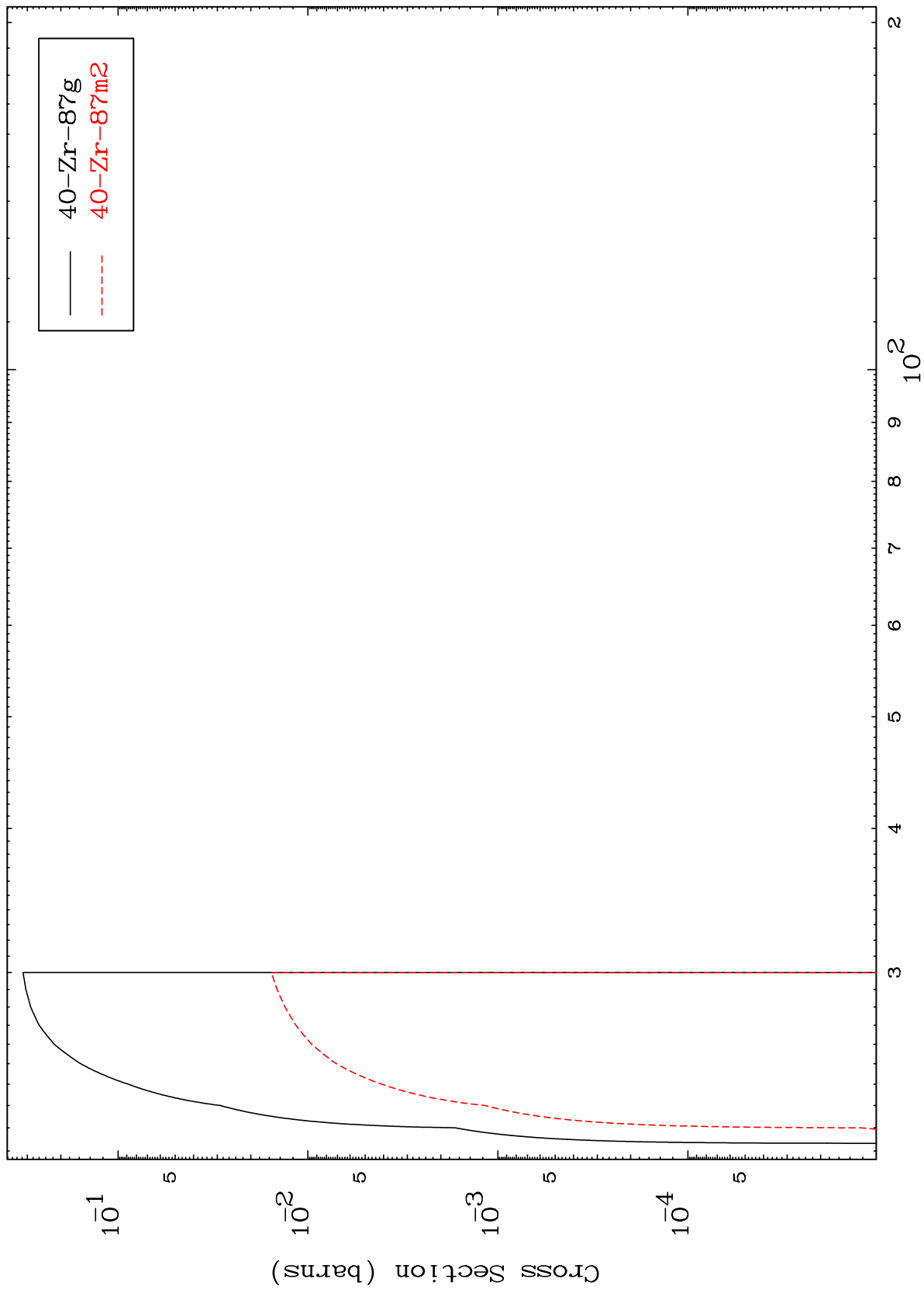
Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m

(n,3n)
Radionuclide Production Cross Section



40-Zr-89m

Incident Energy (MeV)

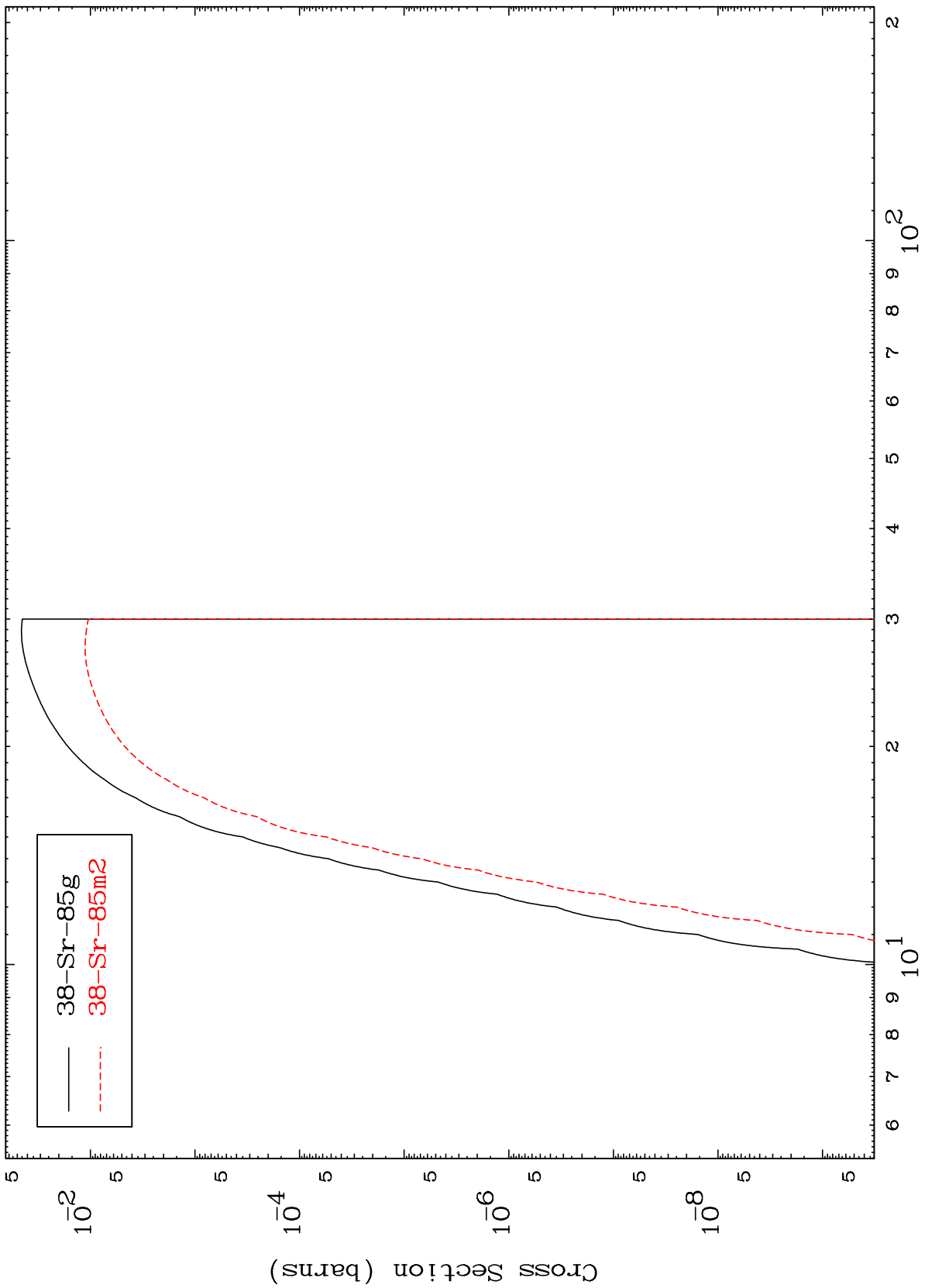
21

MAT 4023

$(n, n') \alpha$

40-Zr-89m

Radionuclide Production Cross Section



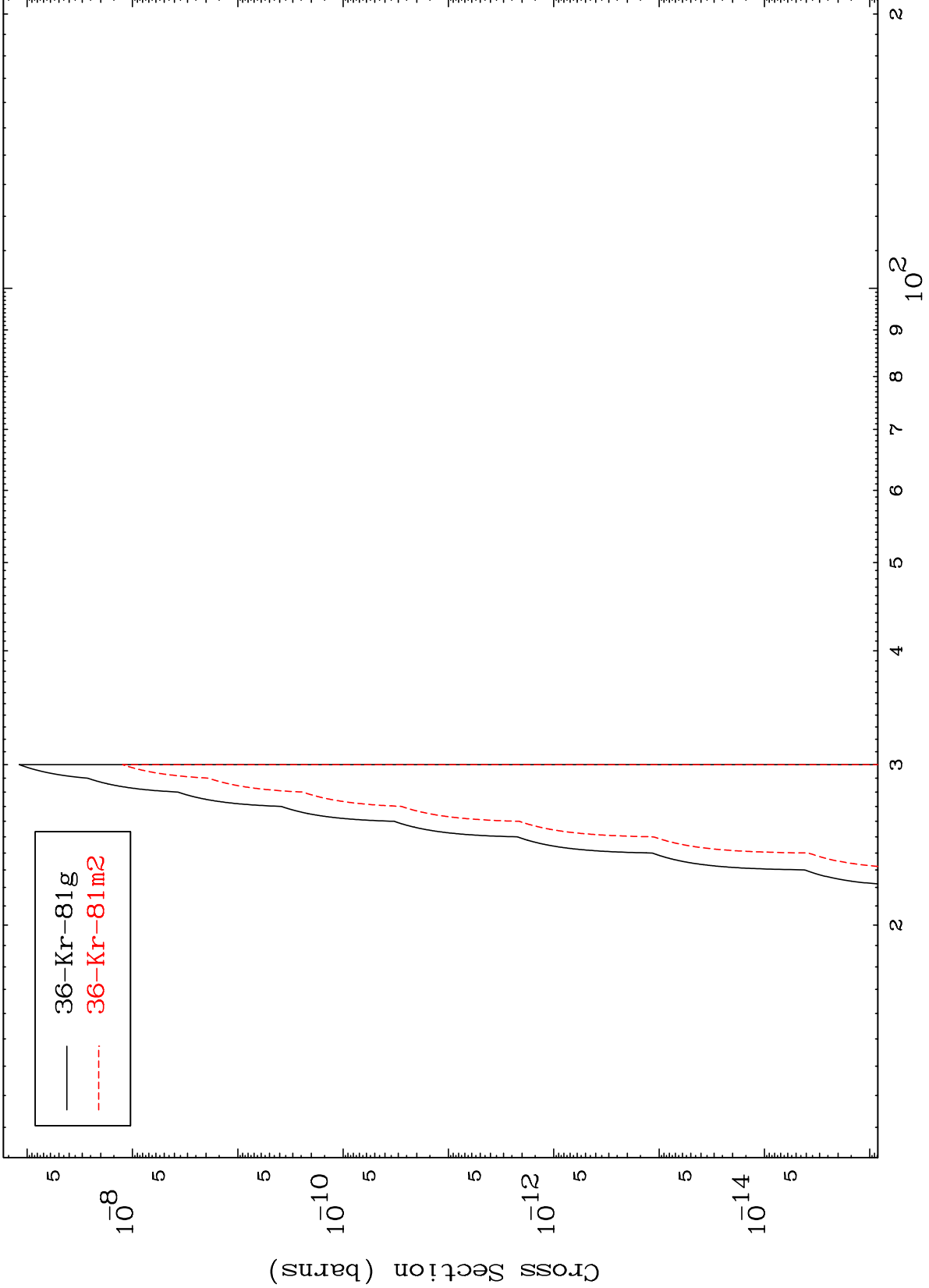
— 38-Sr-85g
- - - 38-Sr-85m2

MAT 4023

(n,n') 2α

40-Zr-89m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

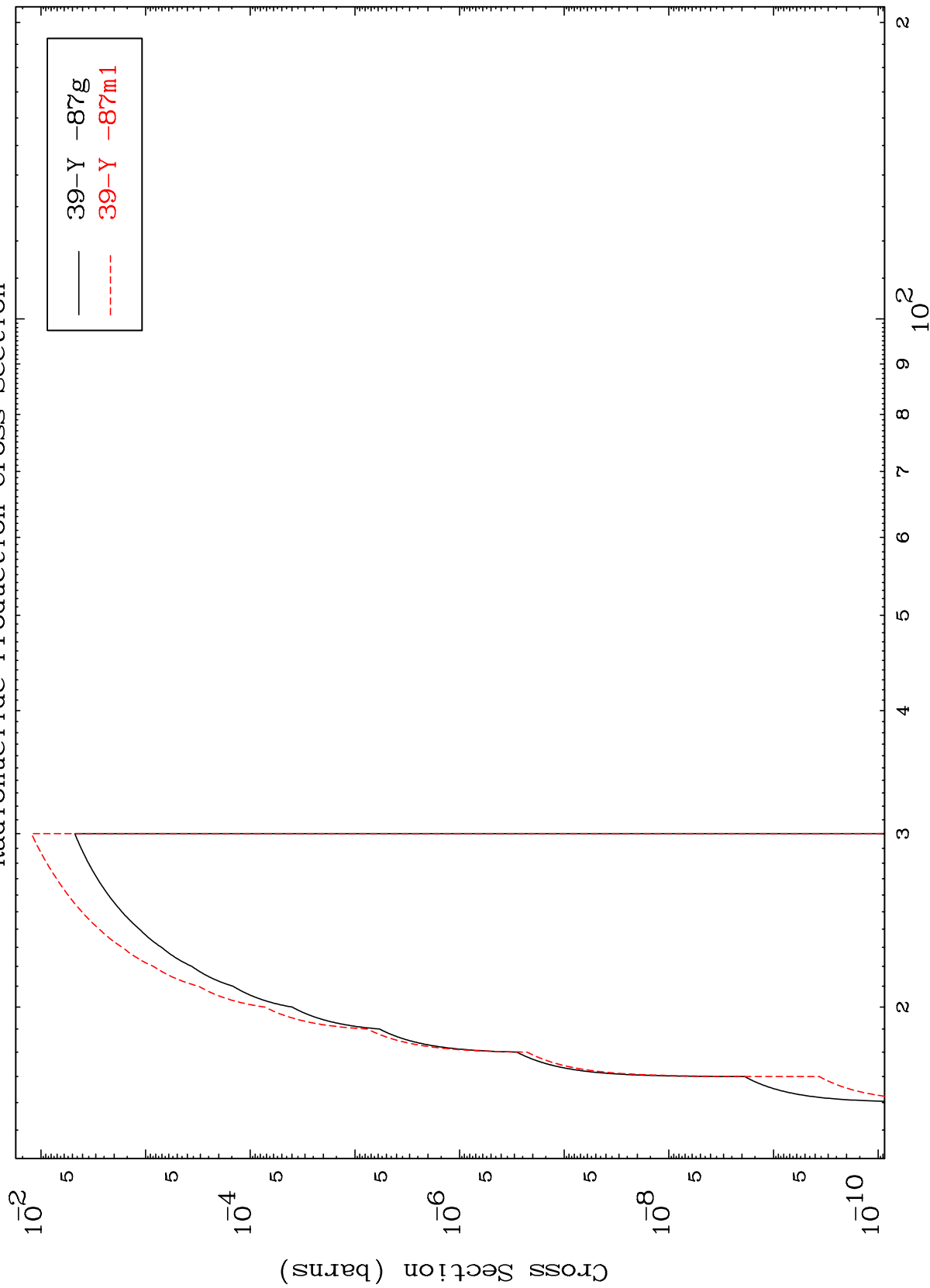
40-Zr-89m

MAT 4023

(n,n') d

40-Zr-89m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

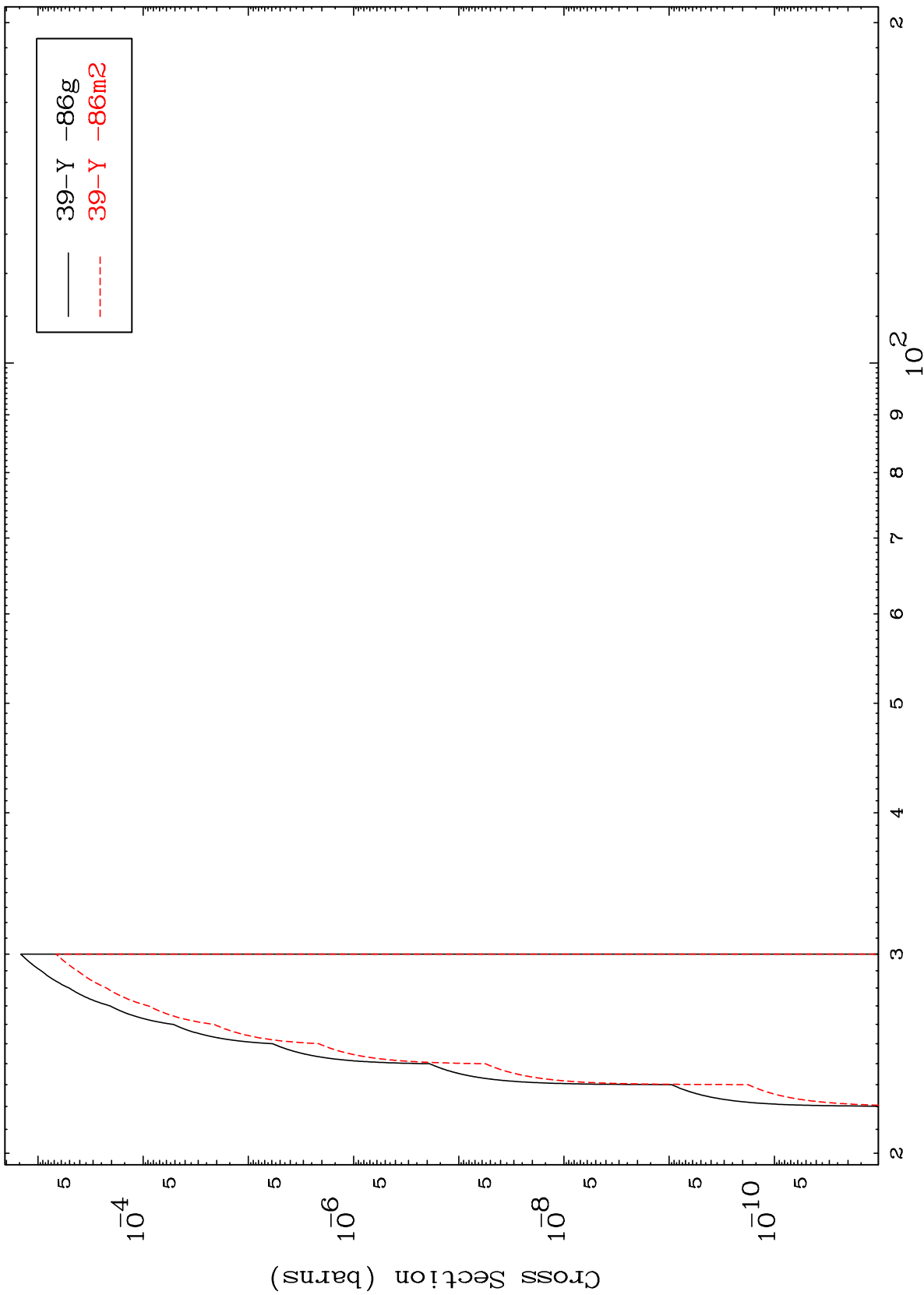
40-Zr-89m

MAT 4023

(n,n') t

40-Zr-89m

Radionuclide Production Cross Section

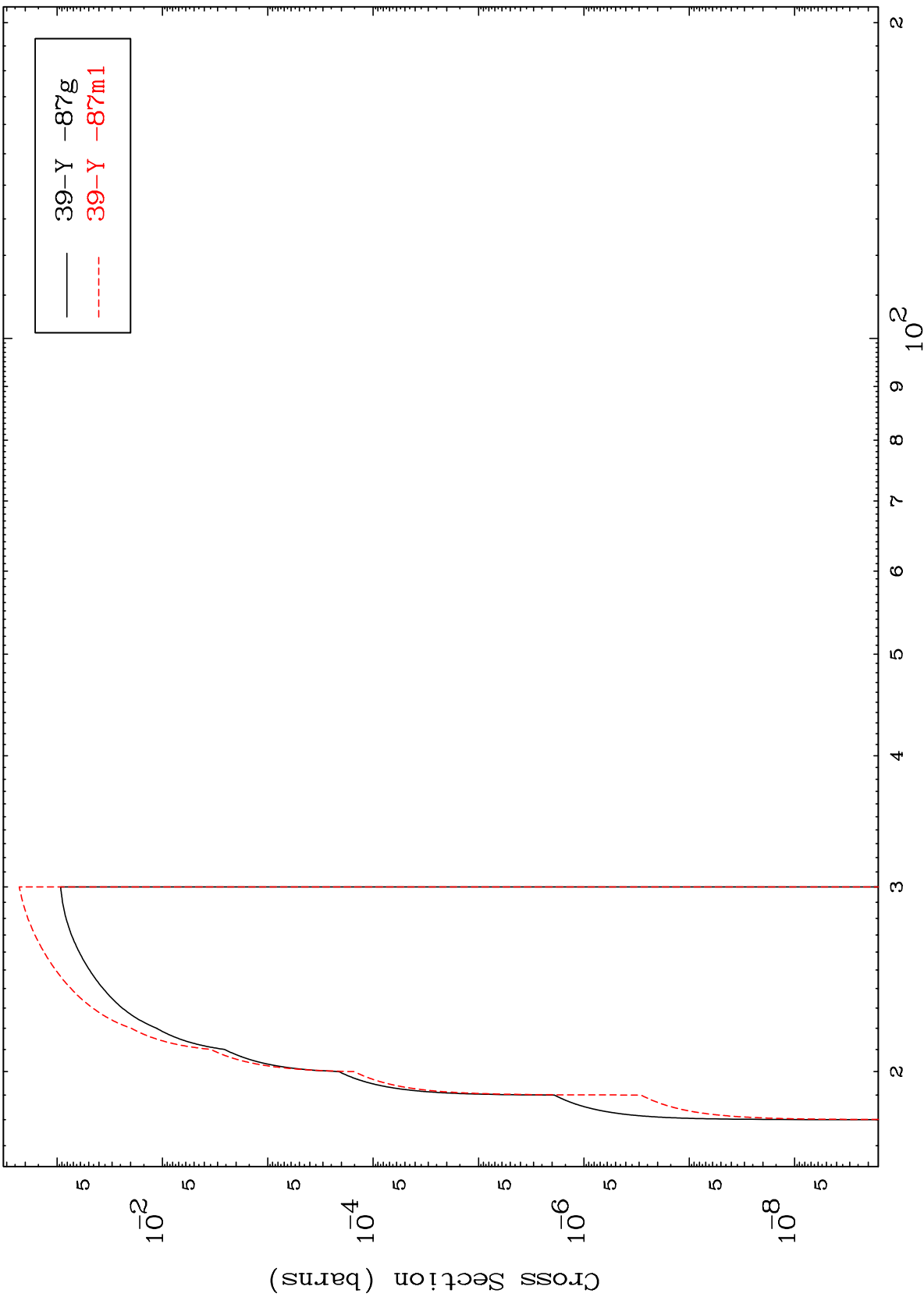


25

Incident Energy (MeV)

40-Zr-89m

Radionuclide Production Cross Section

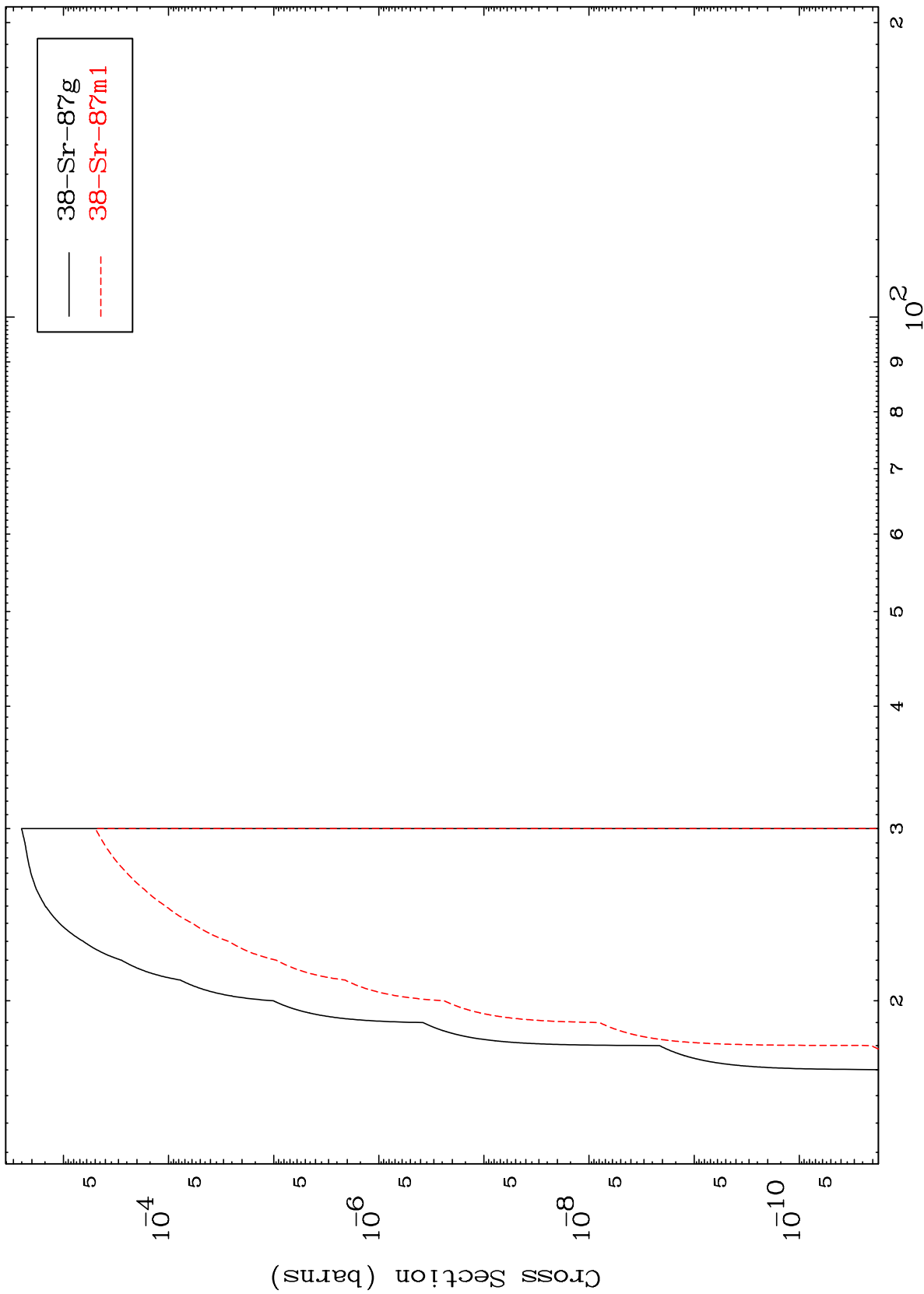


MAT 4023

(n,2n) p

40-Zr-89m

Radionuclide Production Cross Section



27

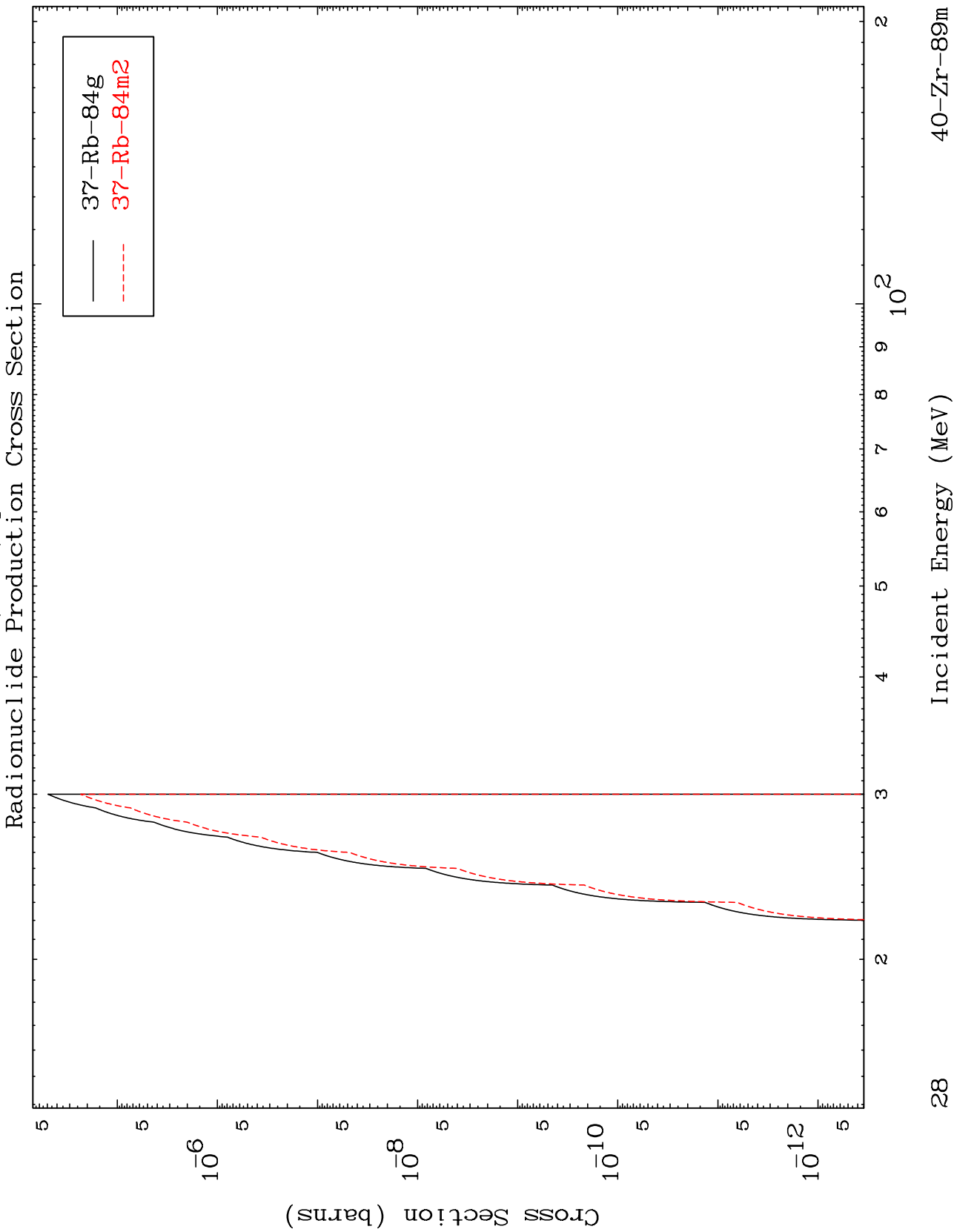
Incident Energy (MeV)

40-Zr-89m

MAT 4023

(n,n') p α

40-Zr-89m



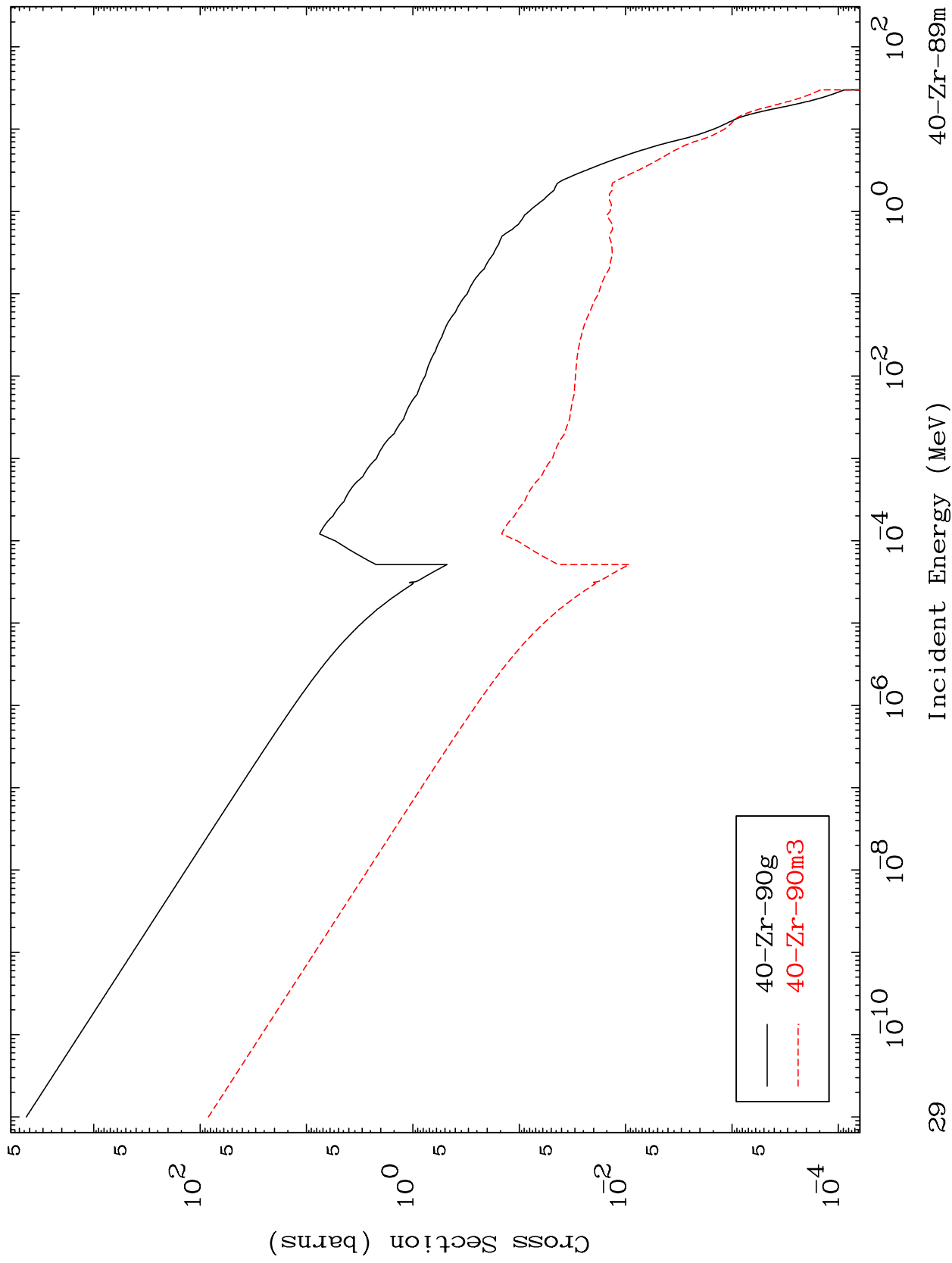
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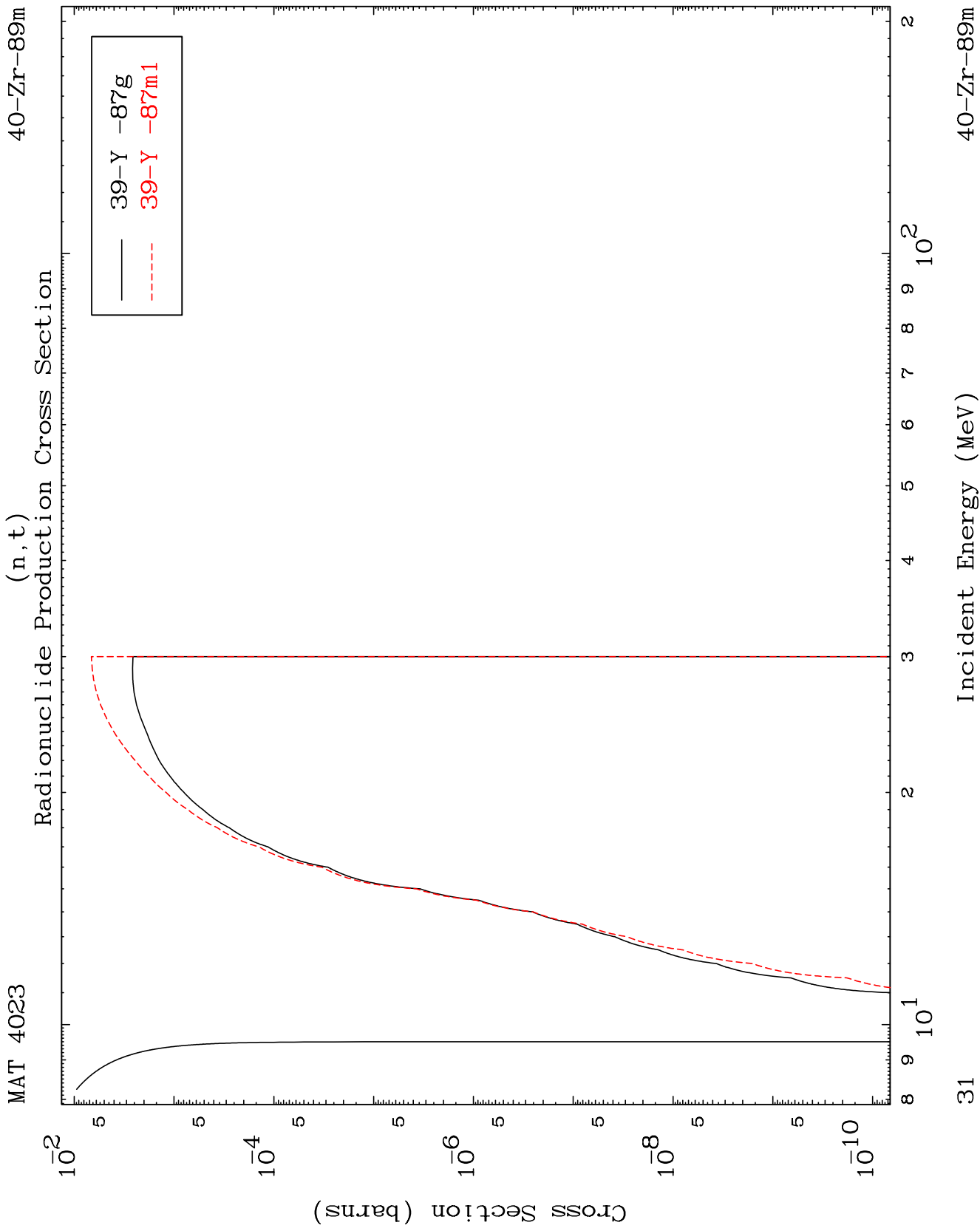
40-Zr-89m

MAT 4023

40-Zr-89m

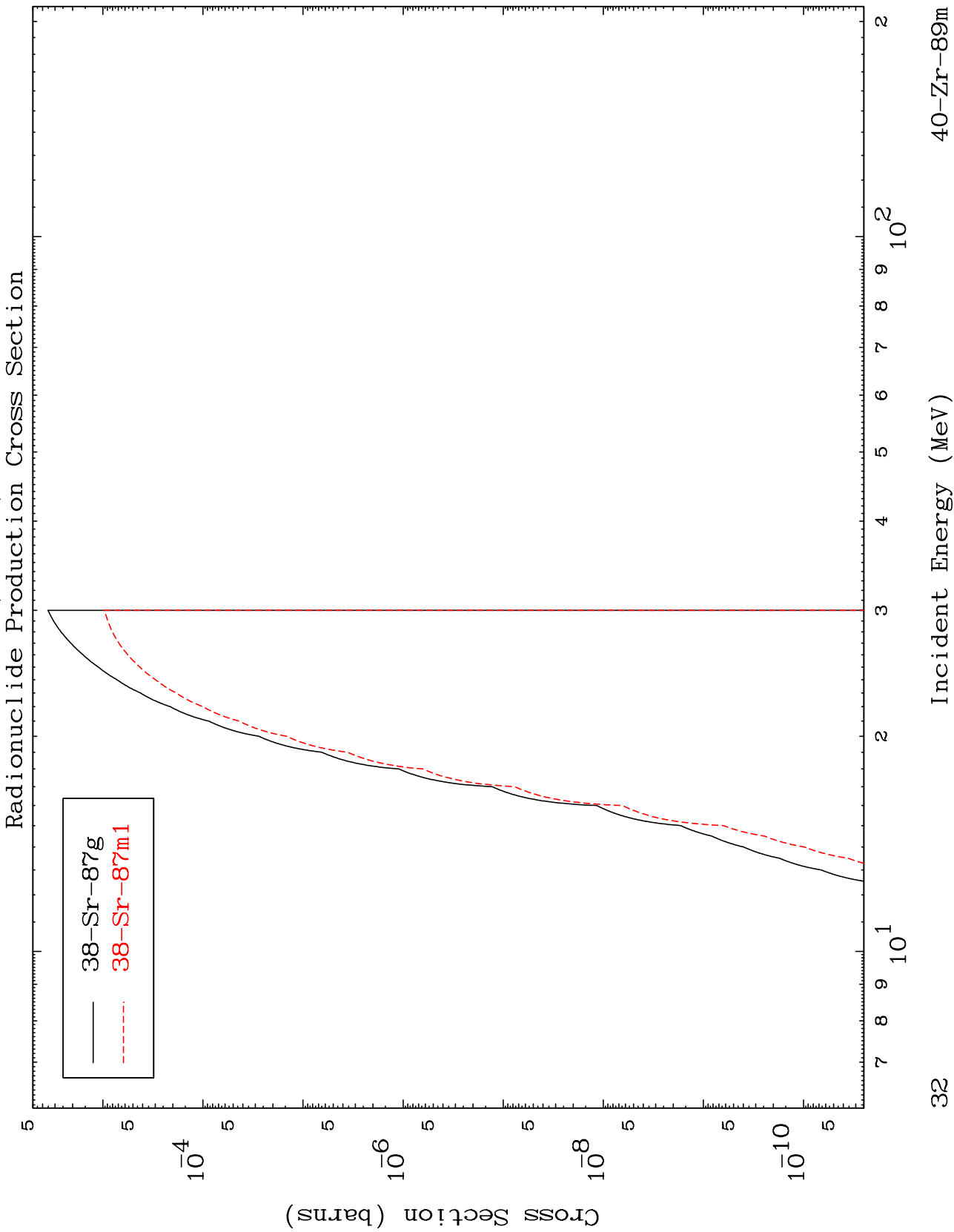
(n, γ)
Radionuclide Production Cross Section





MAT 4023

40-Zr-89m



32

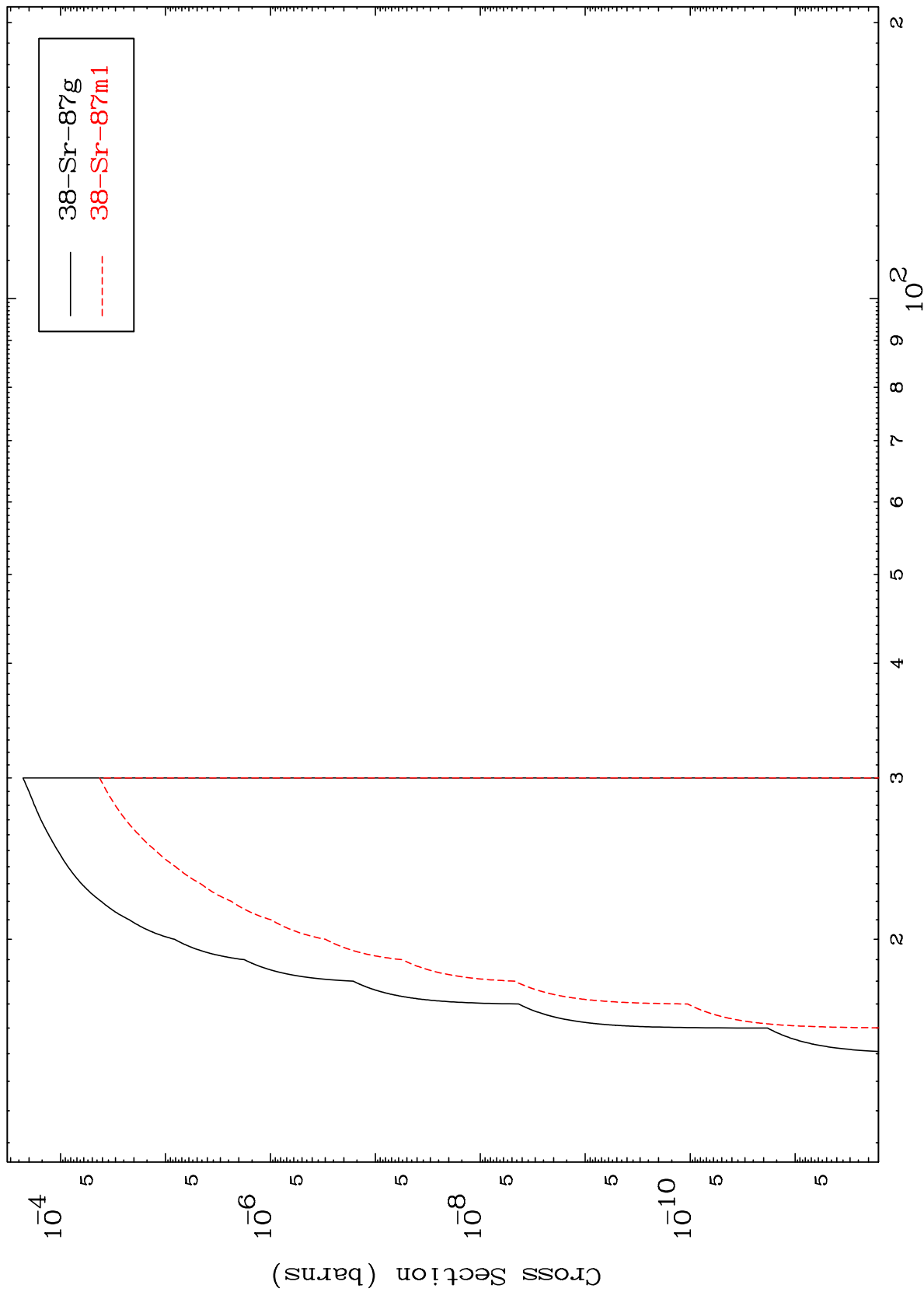
40-Zr-89m

MAT 4023

(n,p) d

40-Zr-89m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

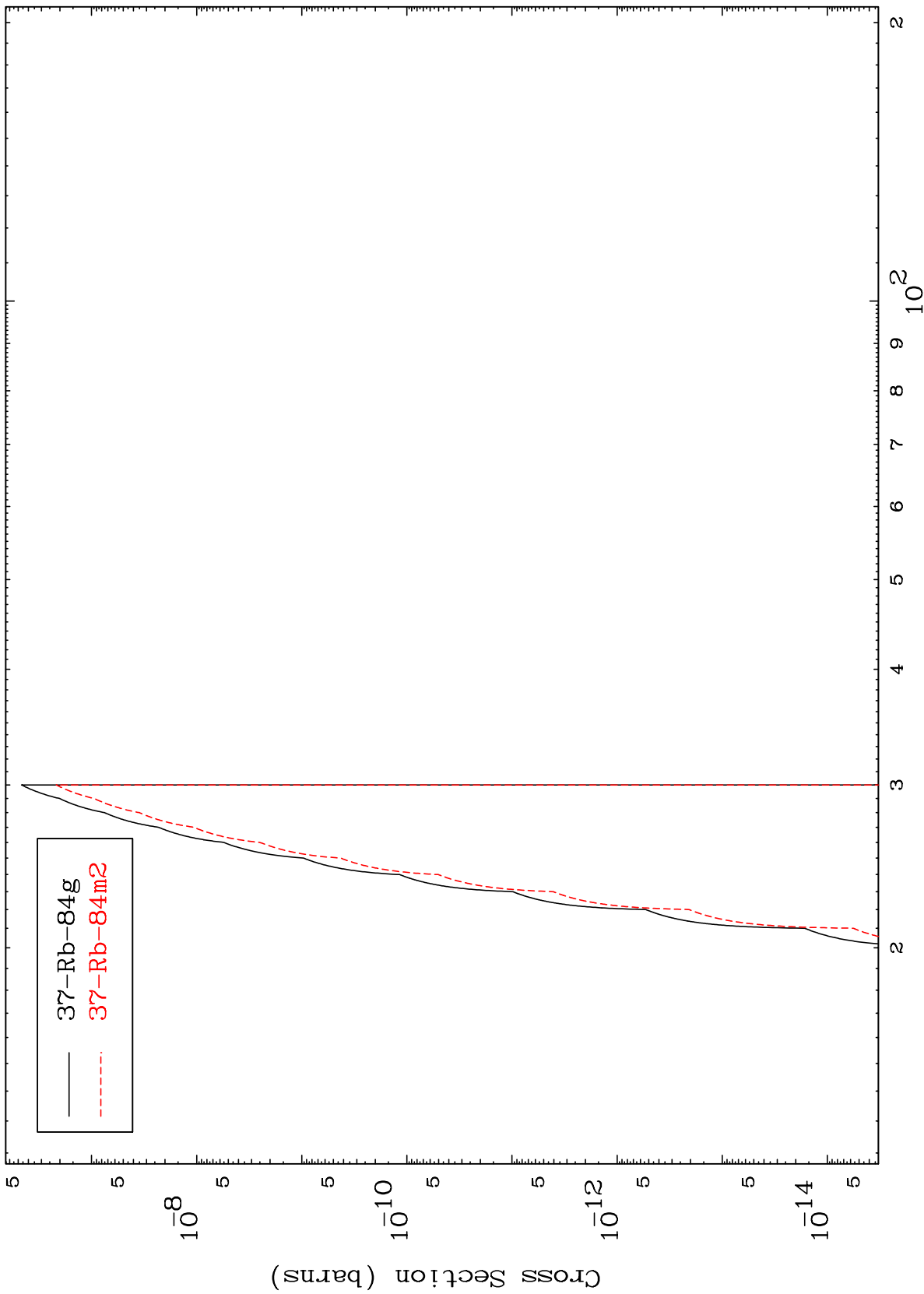
40-Zr-89m

MAT 4023

(n,d) α

40-Zr-89m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

40-Zr-89m