

Program EVALPLOT
(Version 2021-1)

by

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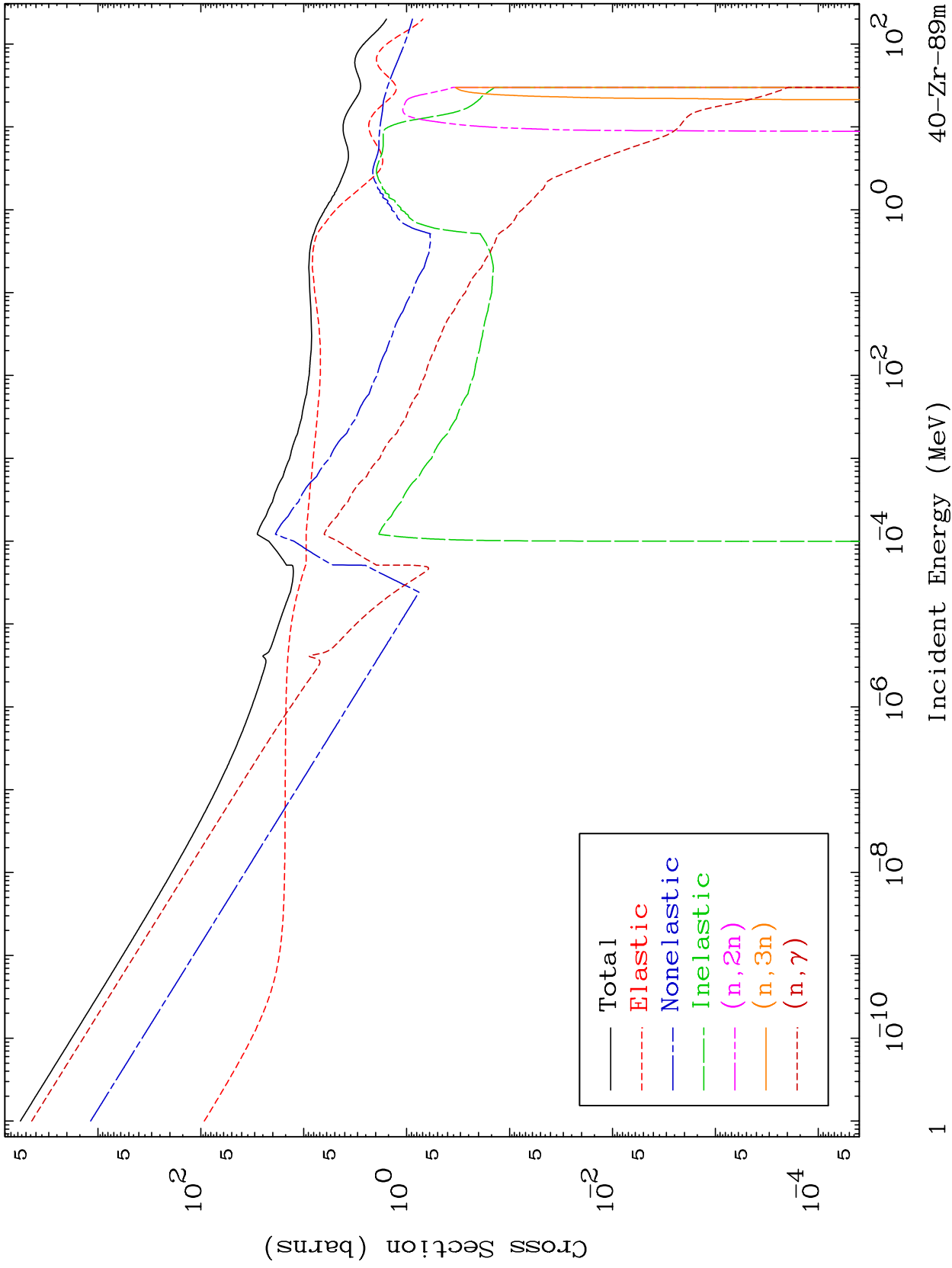
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4023

Neutron Major
293 Kelvin Cross Sections

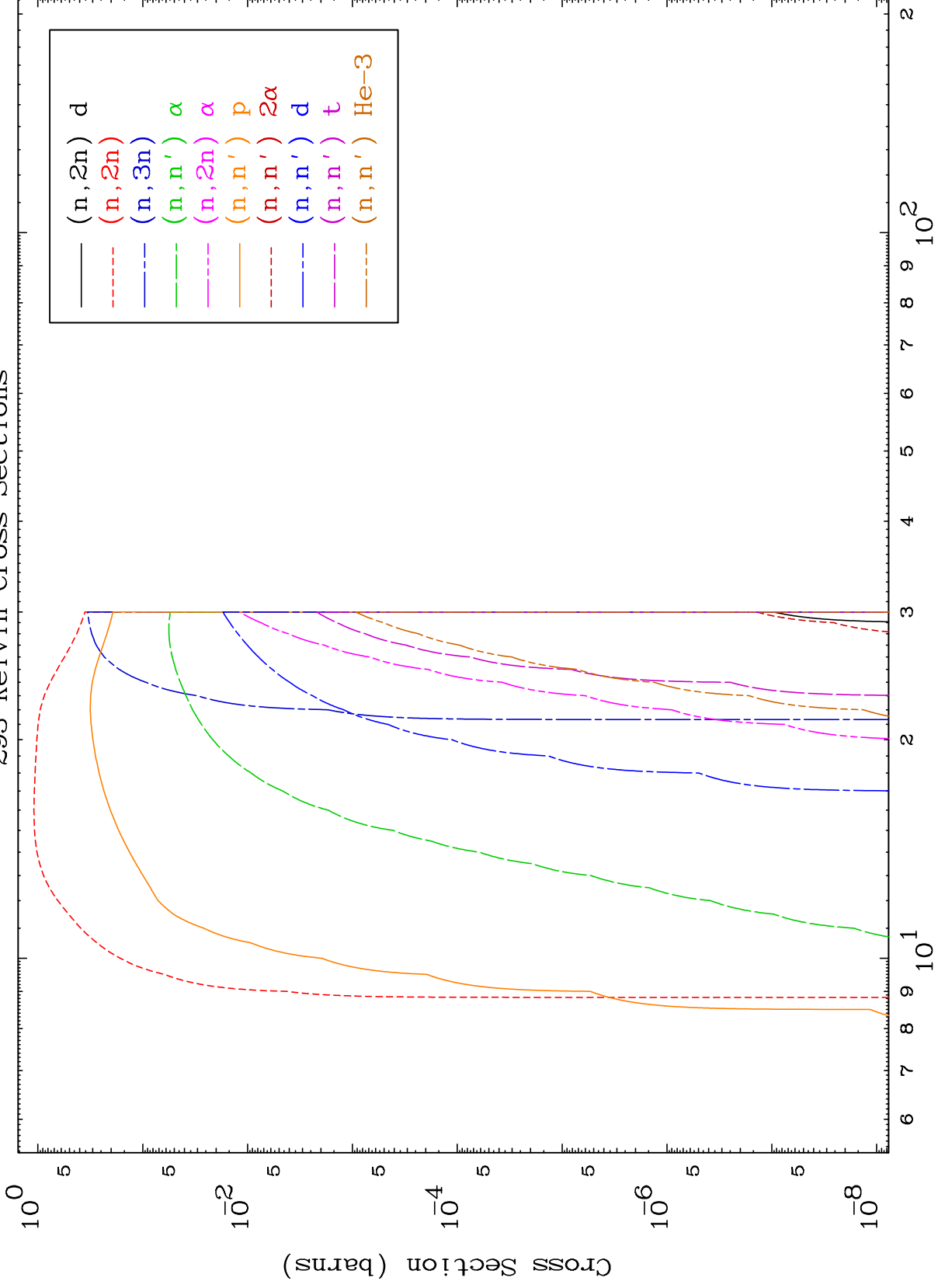
40-Zr-89m



MAT 4023

Neutron Absorption
293 Kelvin Cross Sections

40-Zr-89m



2

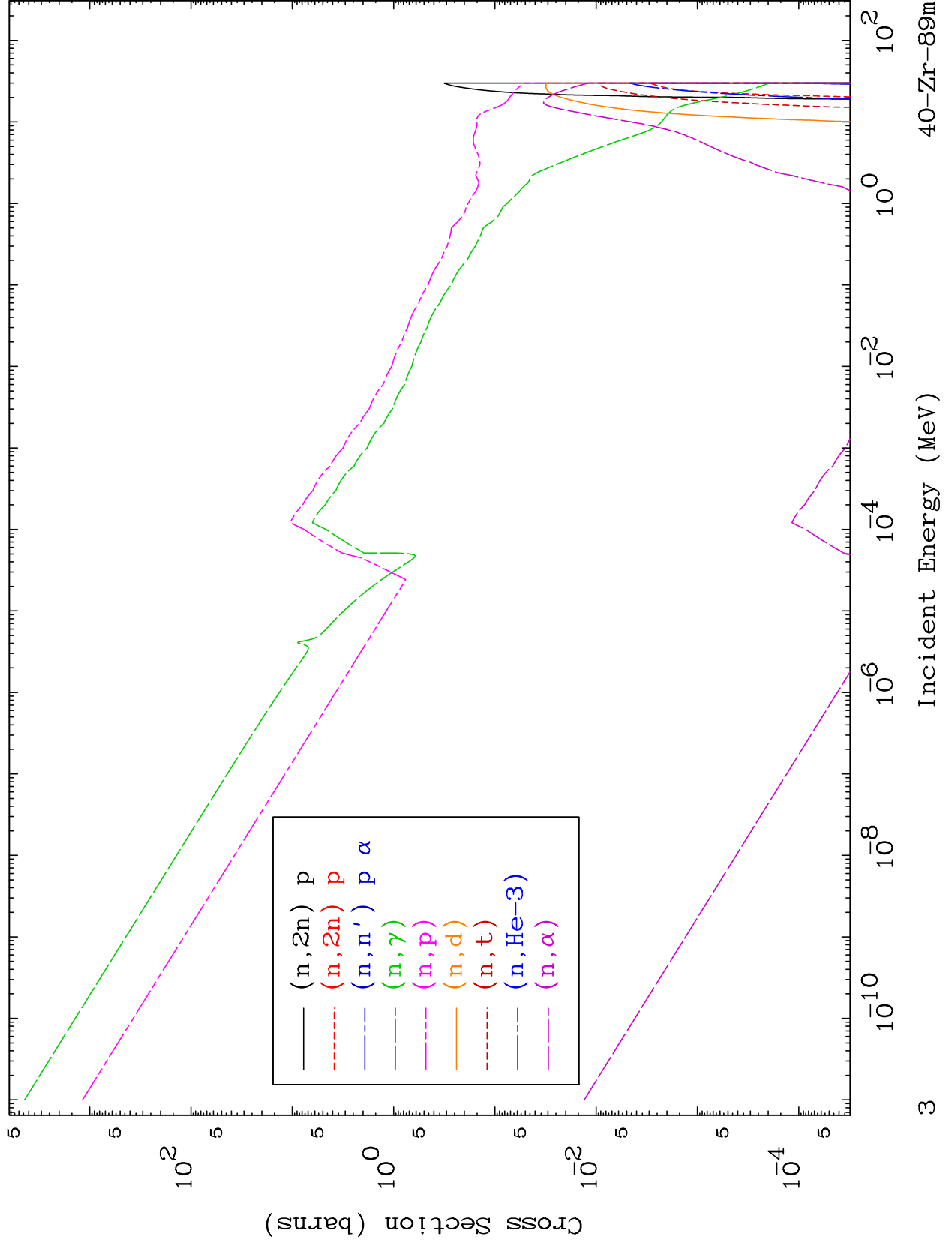
Incident Energy (MeV)

40-Zr-89m

MAT 4023

Neutron Absorption
293 Kelvin Cross Sections

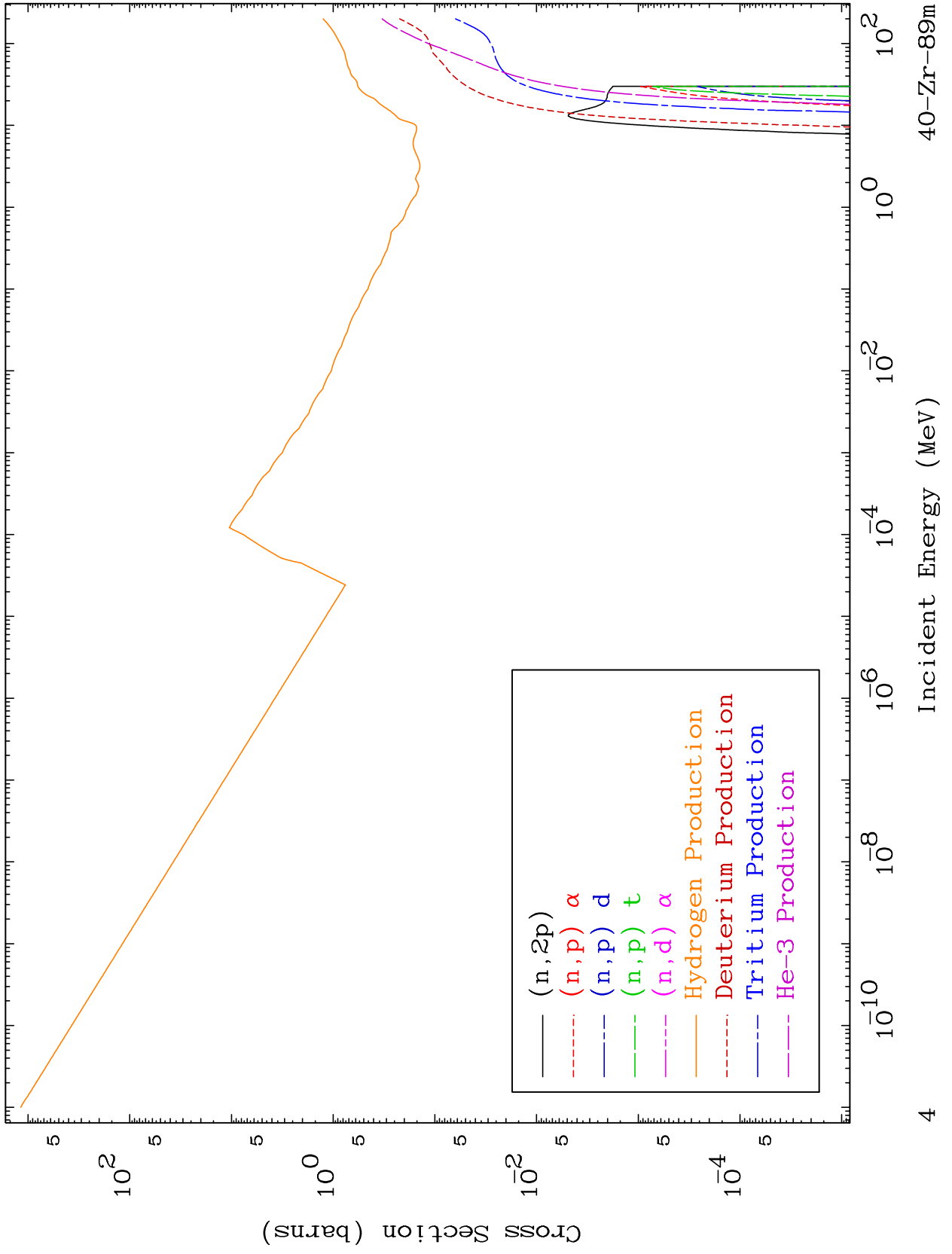
40-Zr-89m



MAT 4023

Neutron Absorption
293 Kelvin Cross Sections

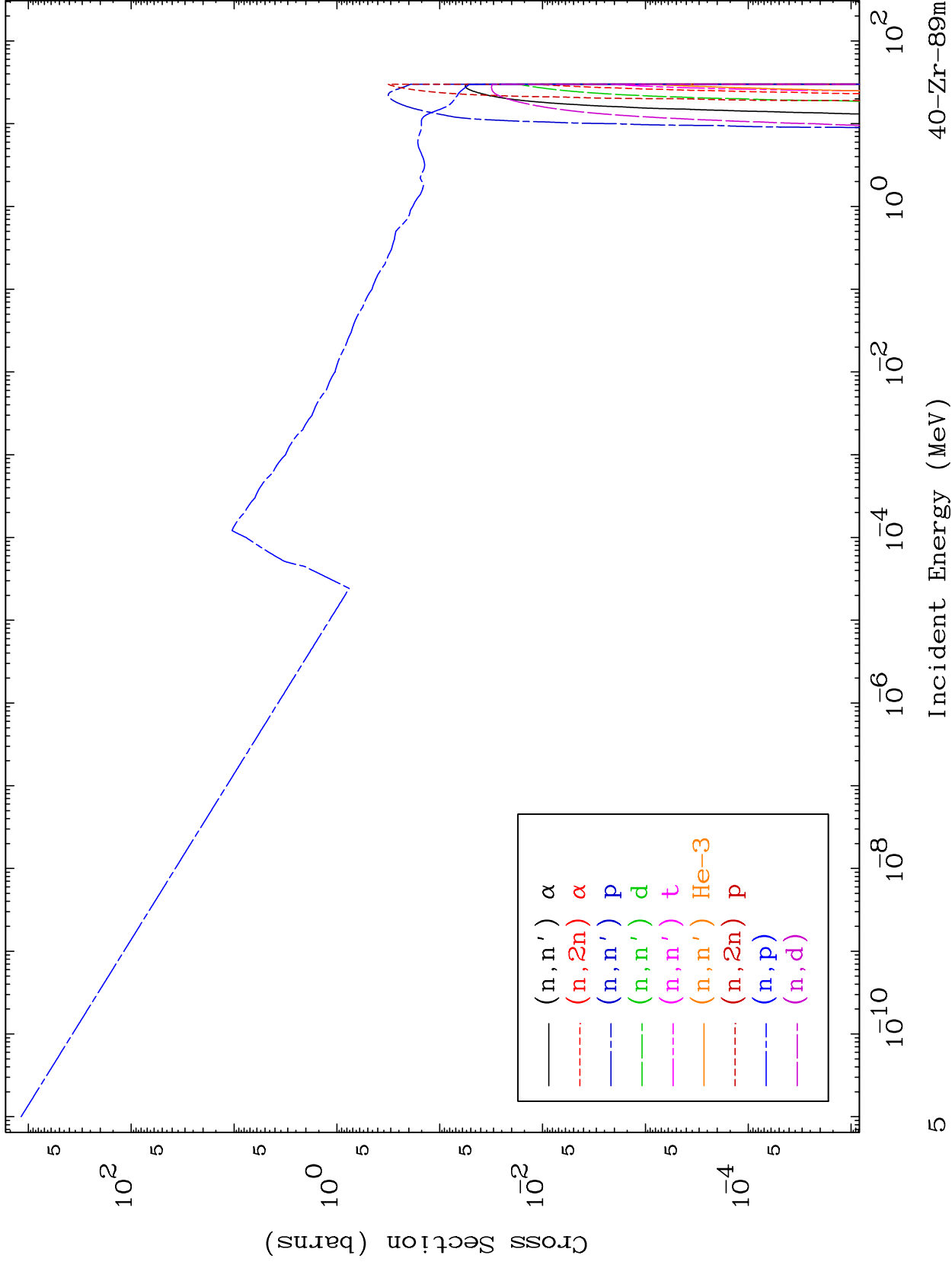
40-Zr-89m



MAT 4023

Charged Particle
293 Kelvin Cross Sections

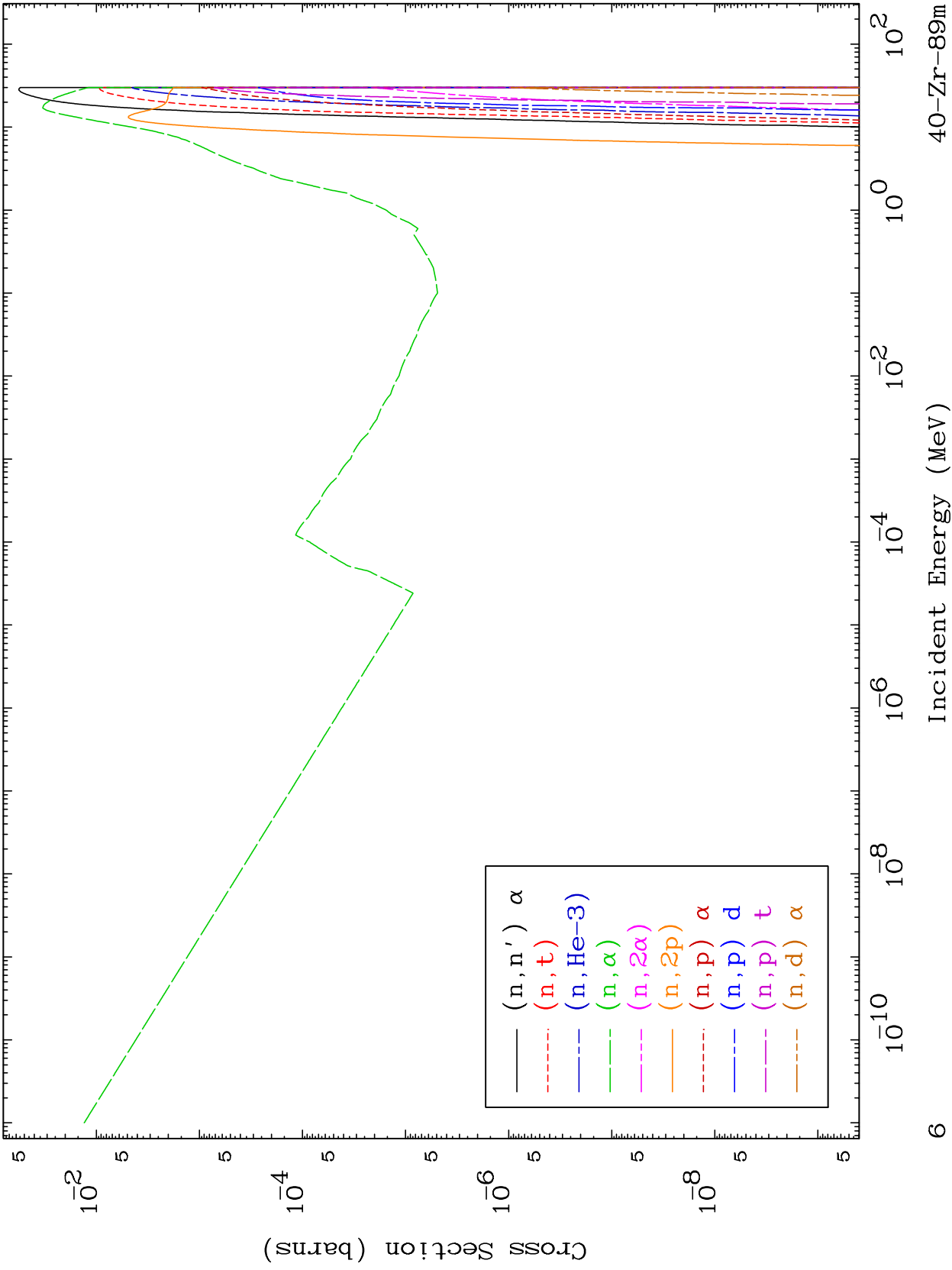
40-Zr-89m



MAT 4023

Charged Particle
293 Kelvin Cross Sections

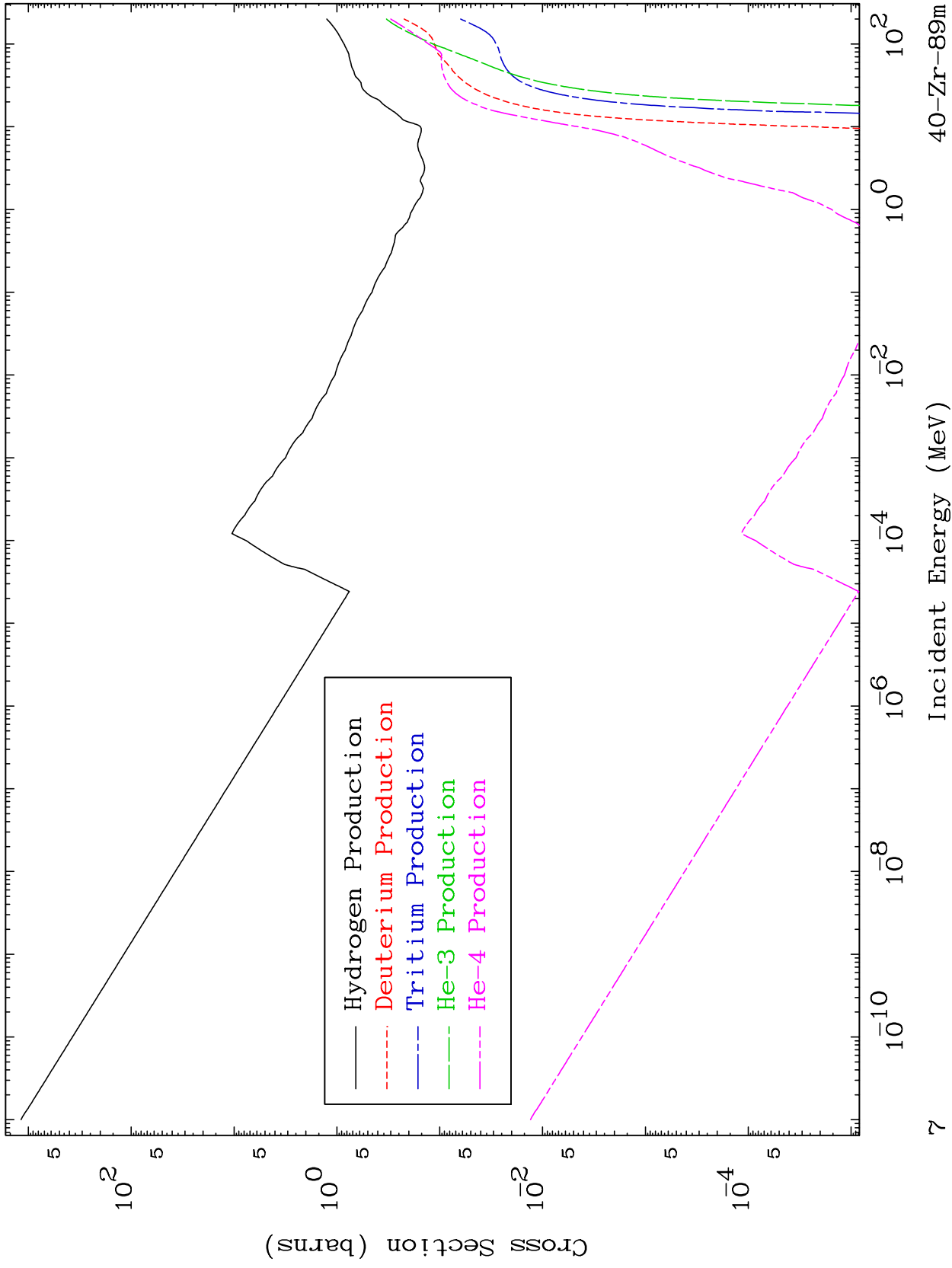
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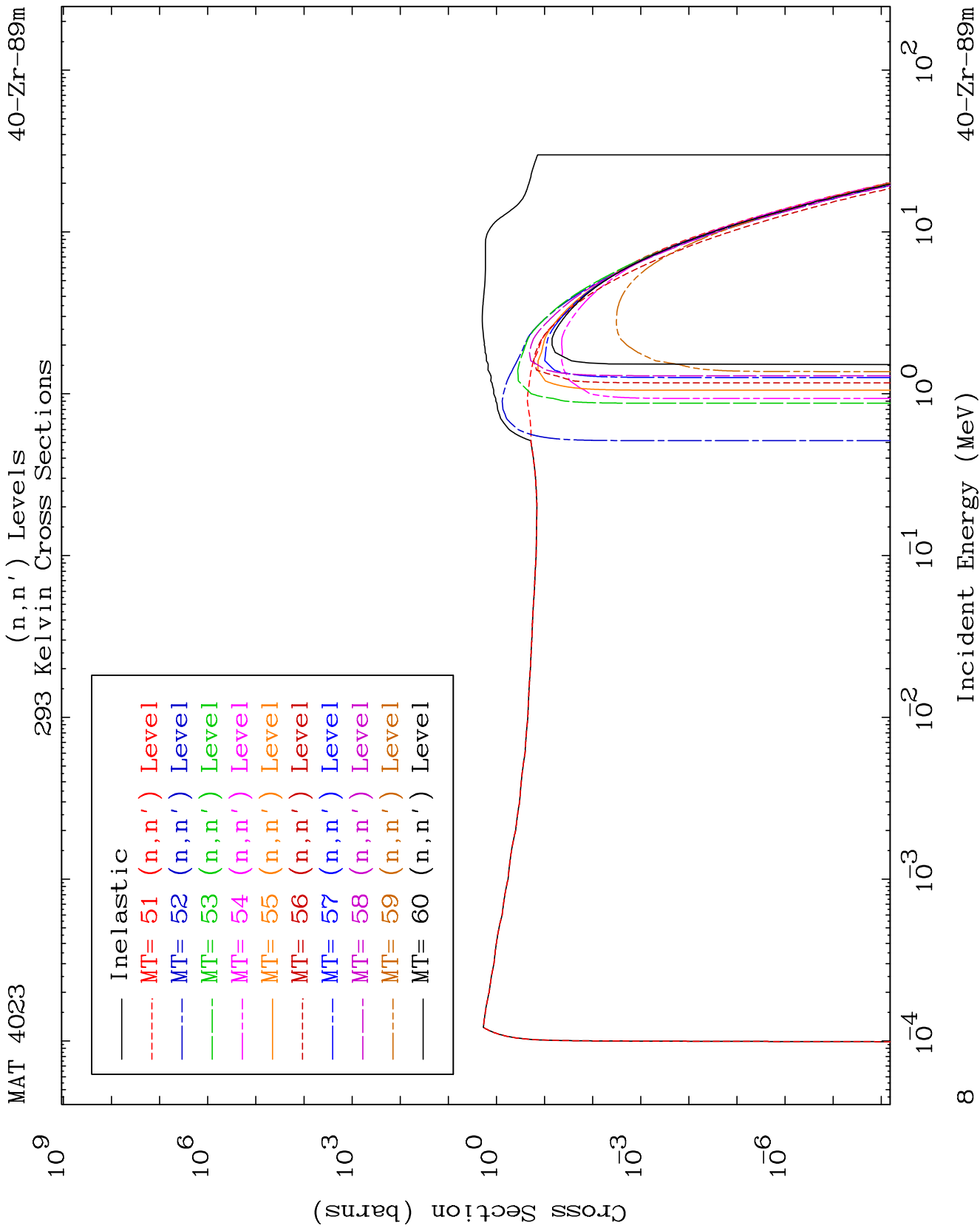


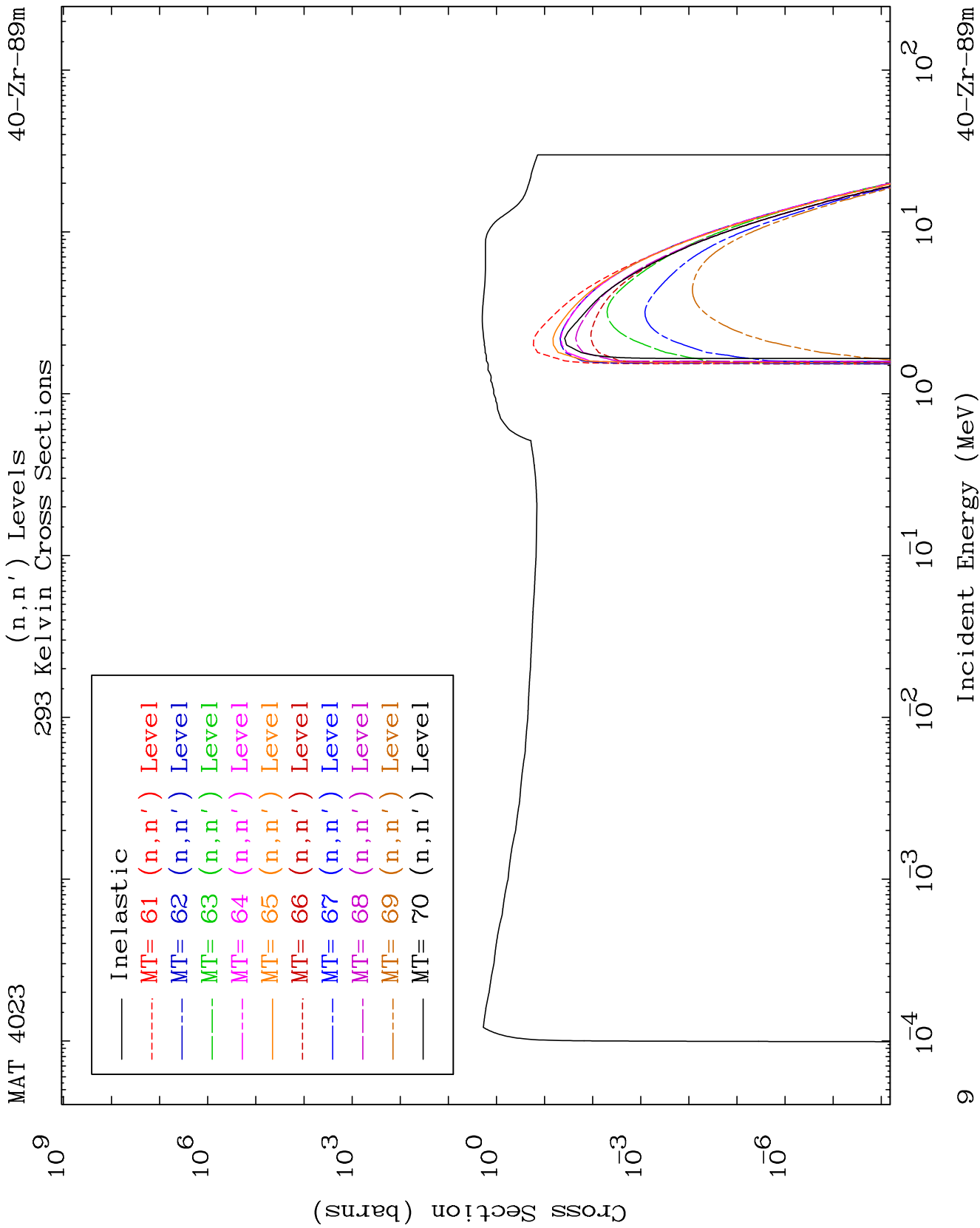
MAT 4023

Particle Production
293 Kelvin Cross Sections

40-Zr-89m



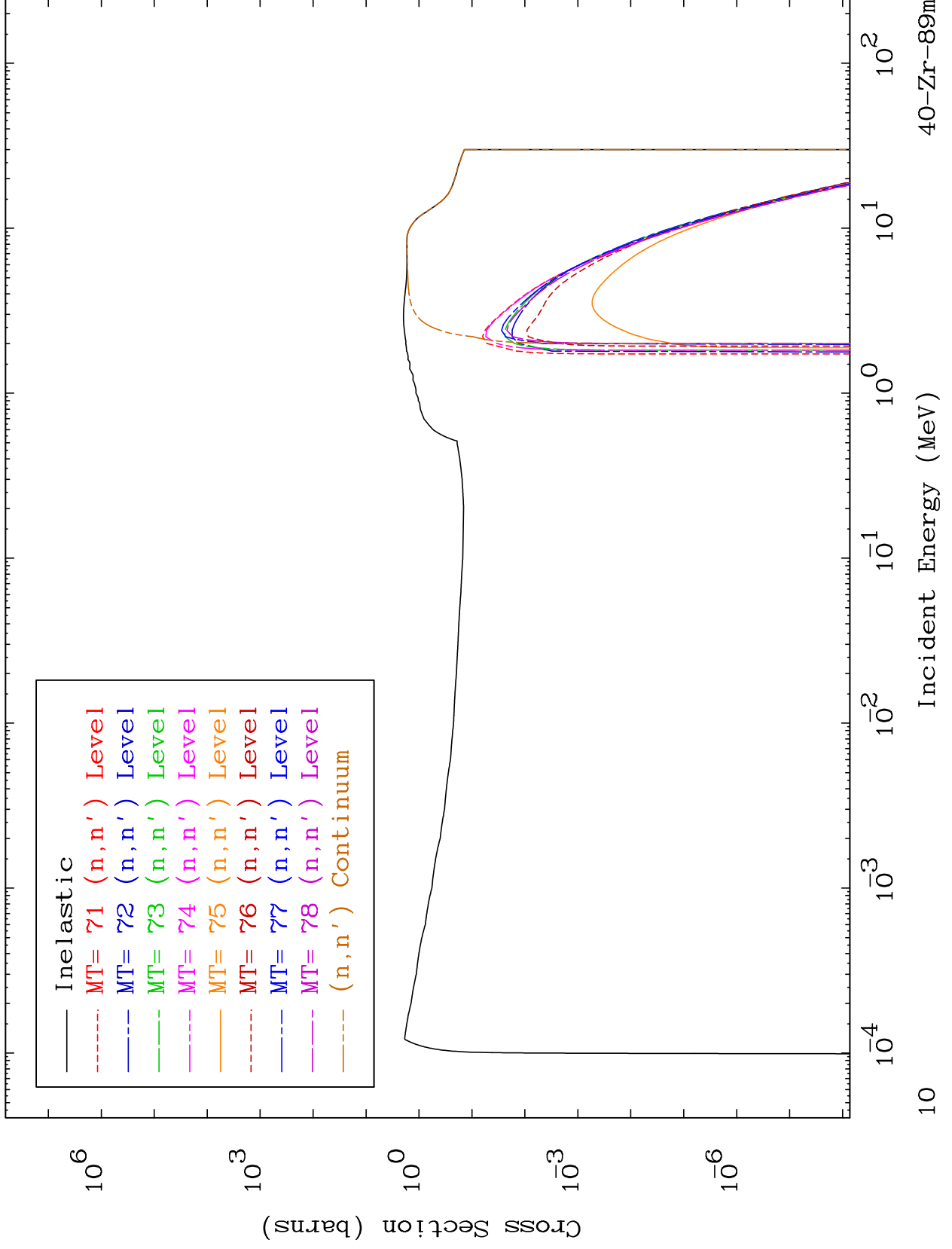


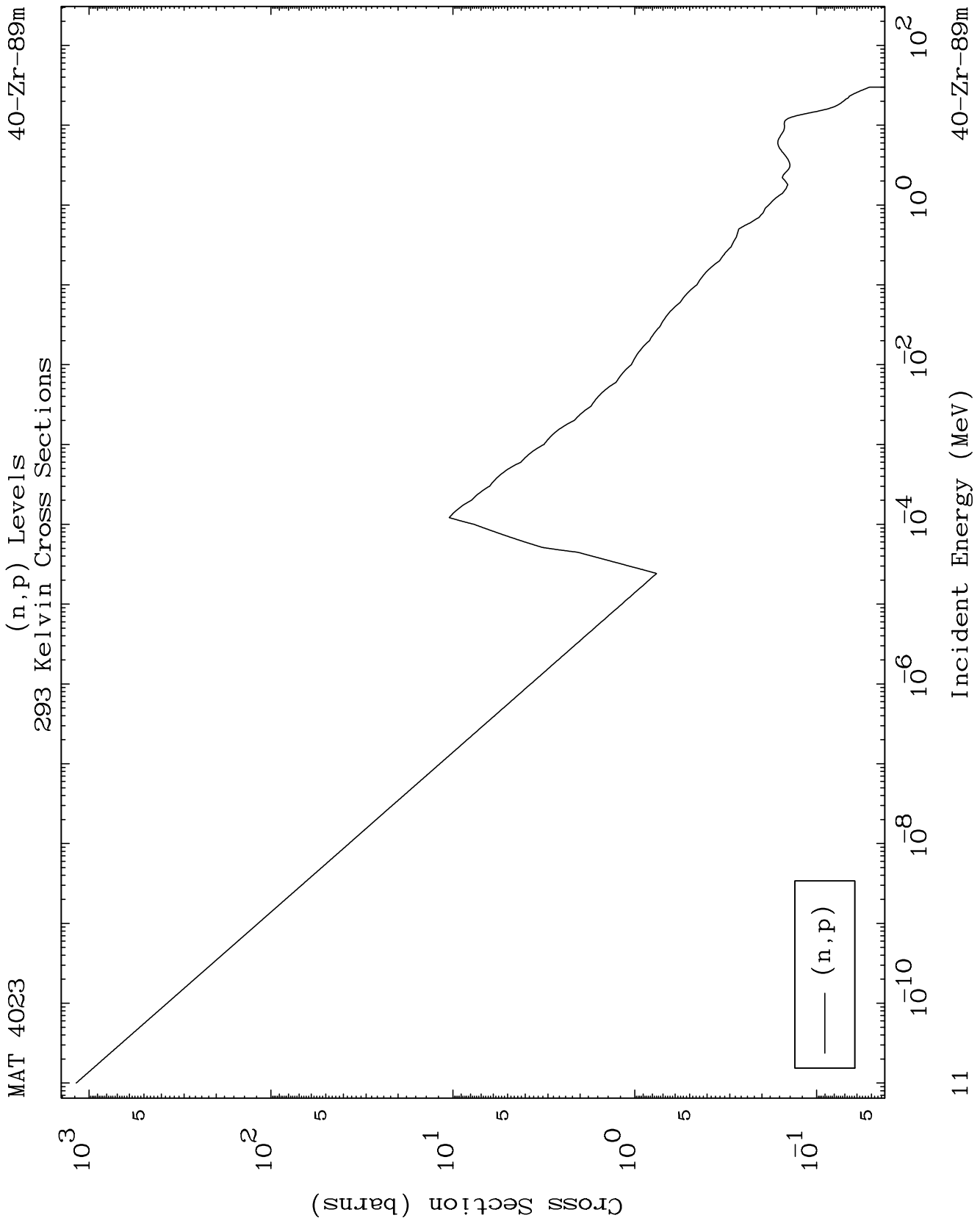


MAT 4023

(n,n') Levels
293 Kelvin Cross Sections

40-Zr-89m

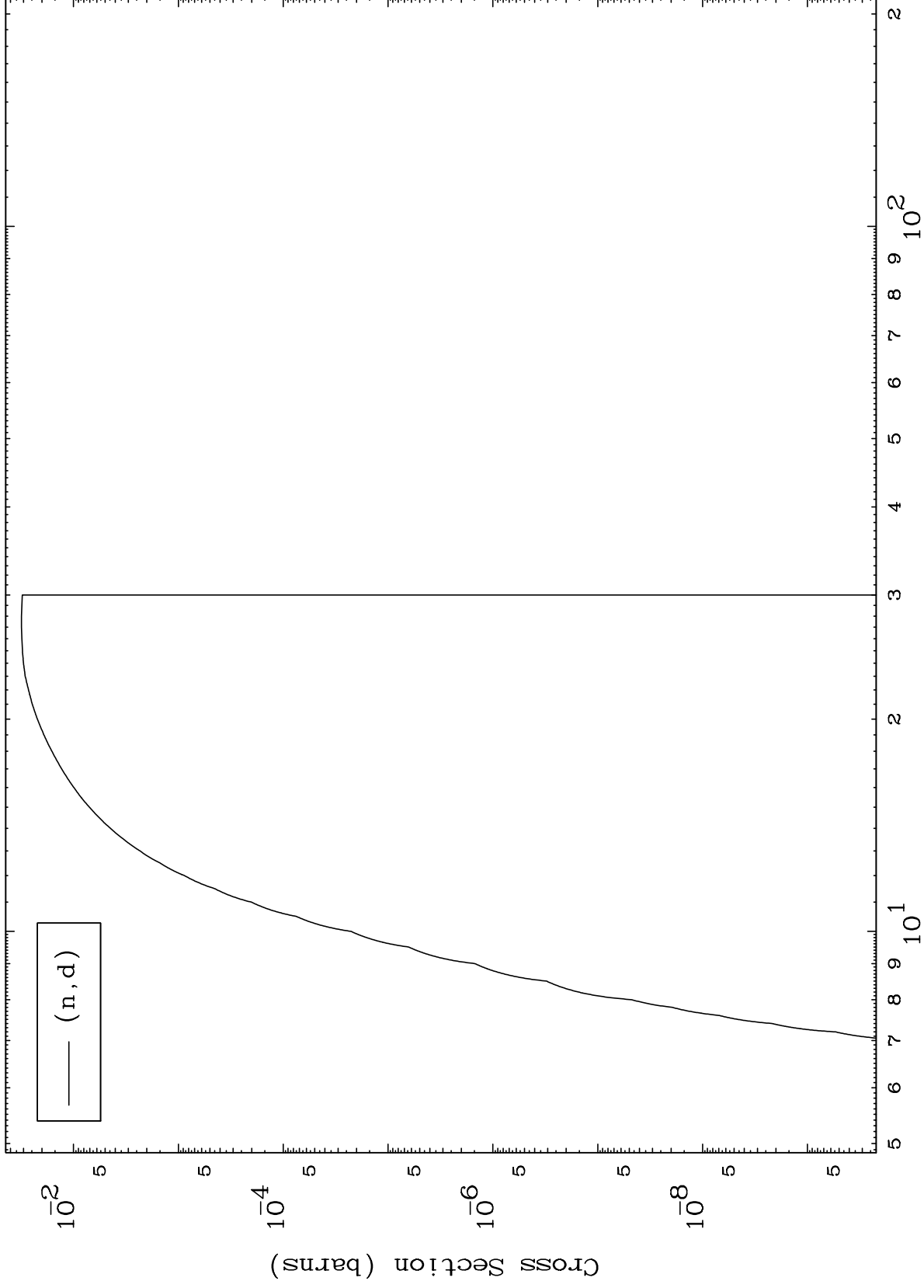




MAT 4023

(n,d) Levels
293 Kelvin Cross Sections

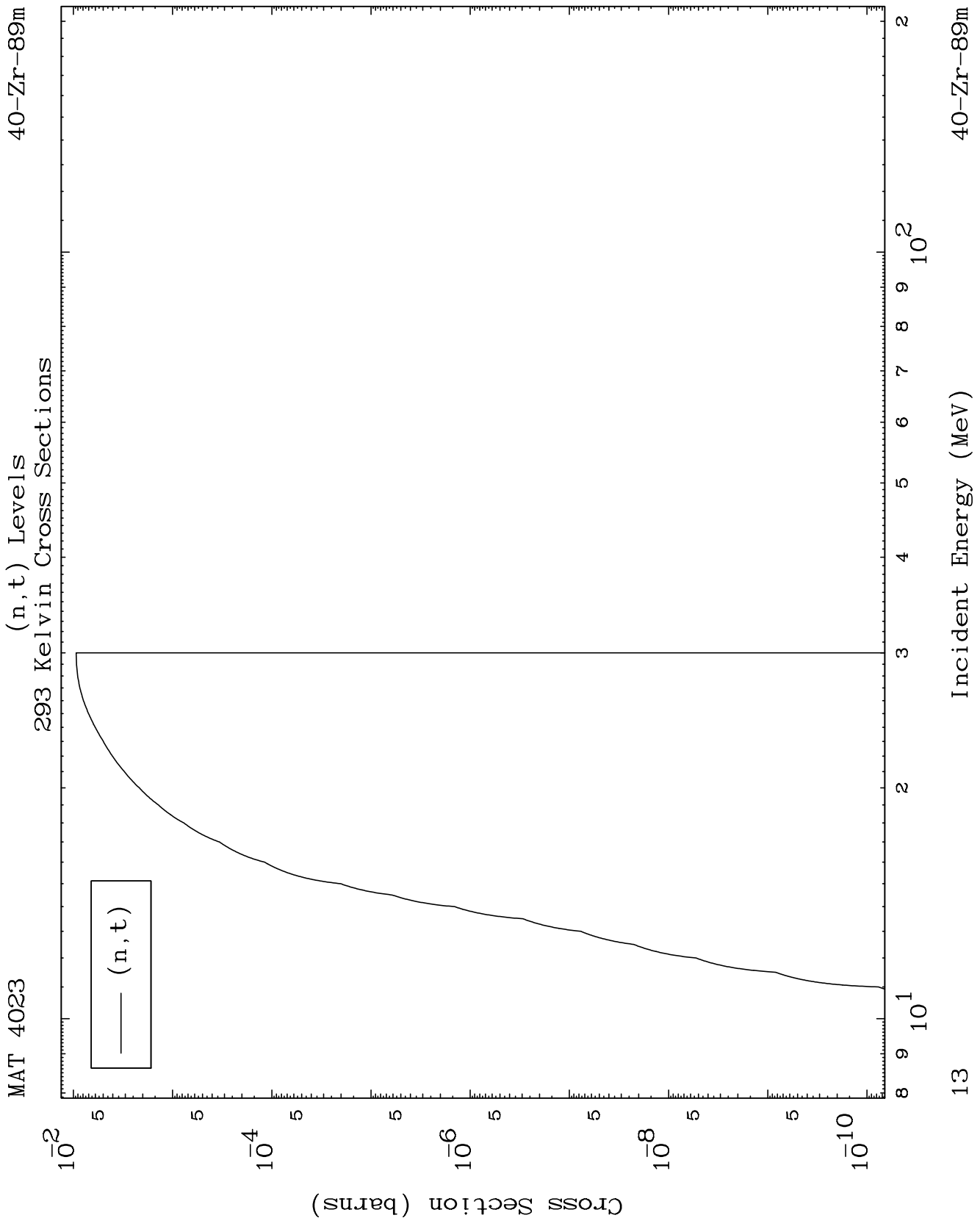
40-Zr-89m



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Incident Energy (MeV)

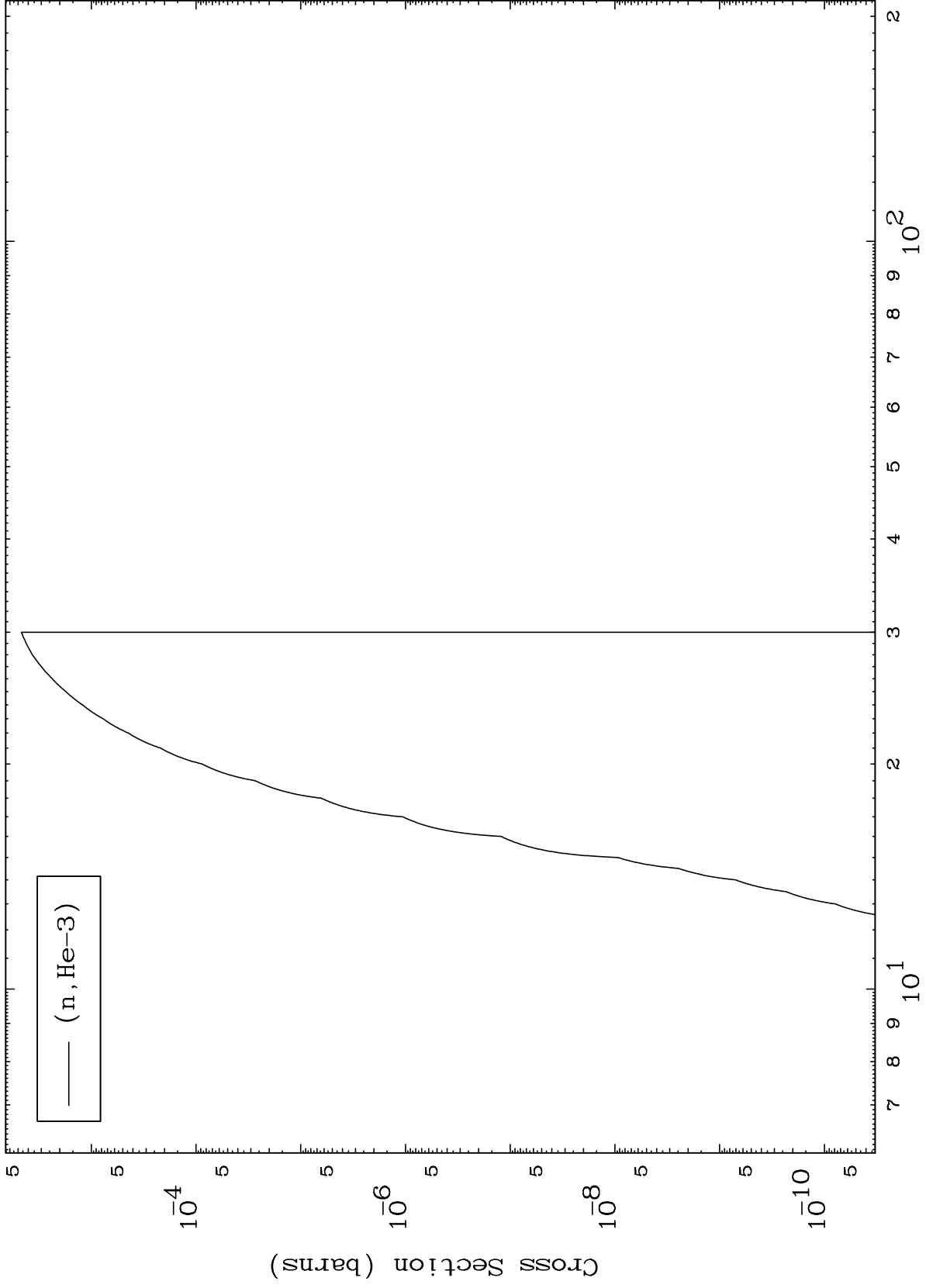
40-Zr-89m



MAT 4023

(n,He3) Levels
293 Kelvin Cross Sections

40-Zr-89m



14

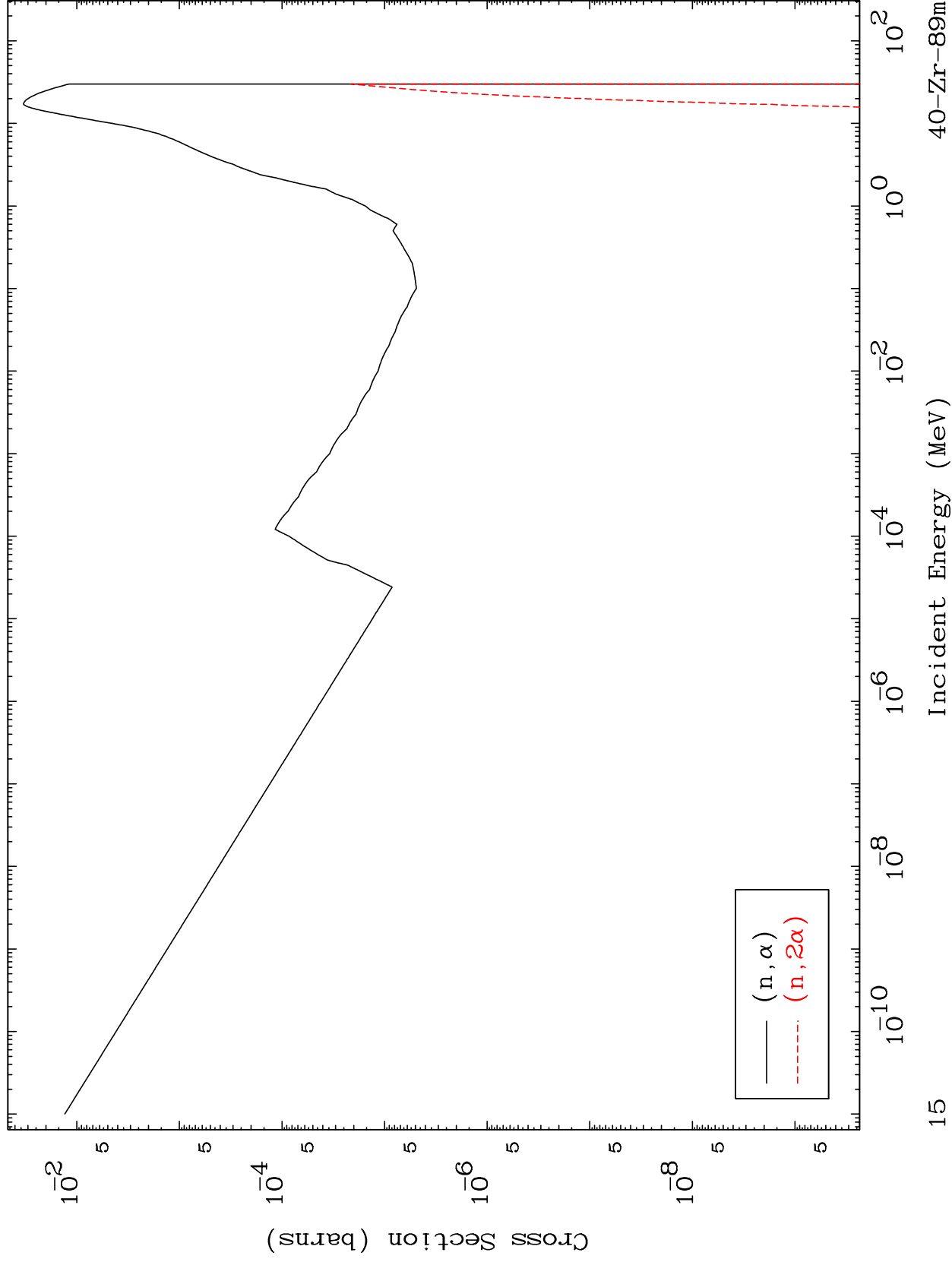
Incident Energy (MeV)

40-Zr-89m

MAT 4023

(n, α) Levels
293 Kelvin Cross Sections

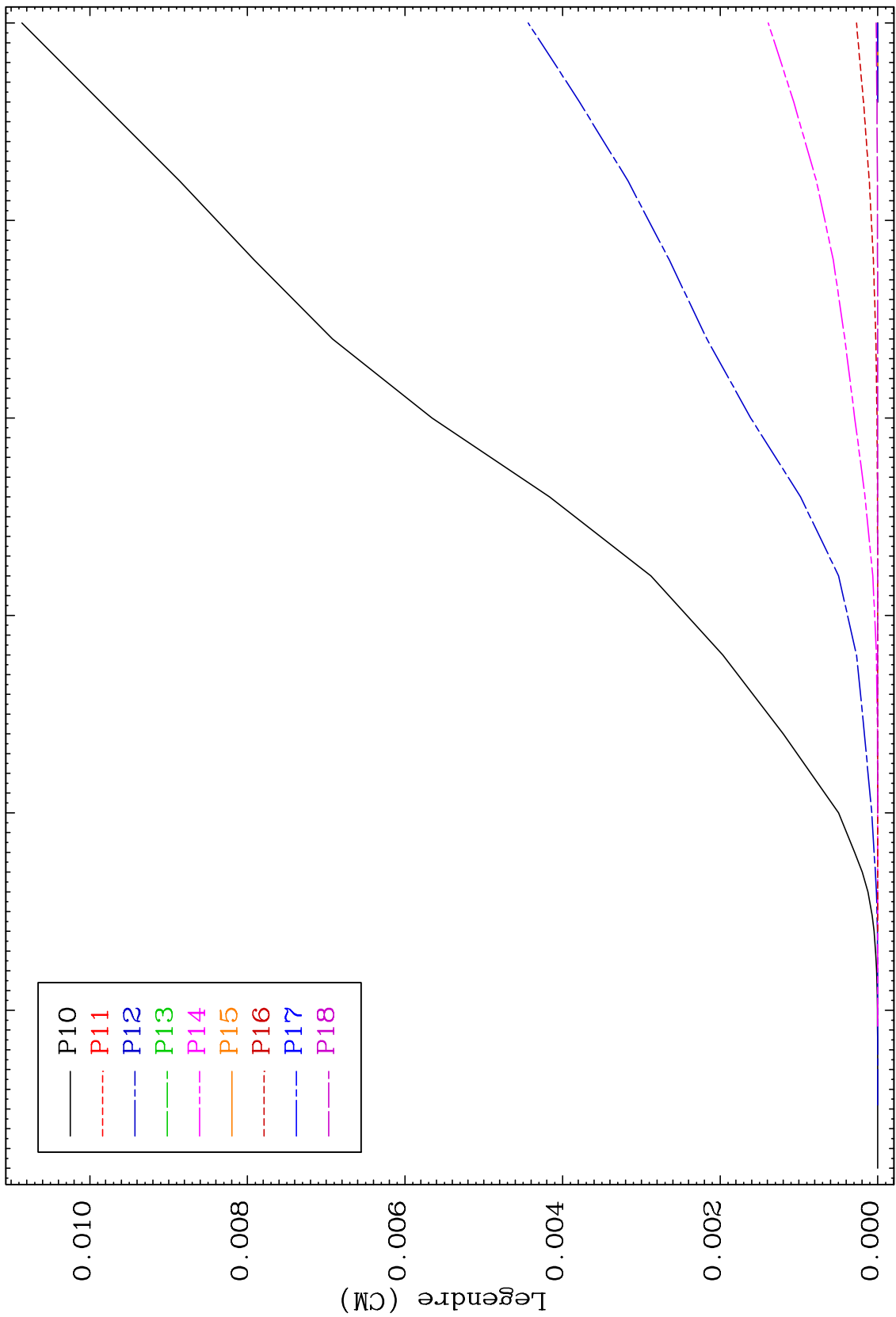
40-Zr-89m



MAT 4023

Elastic Legendre Coefficients

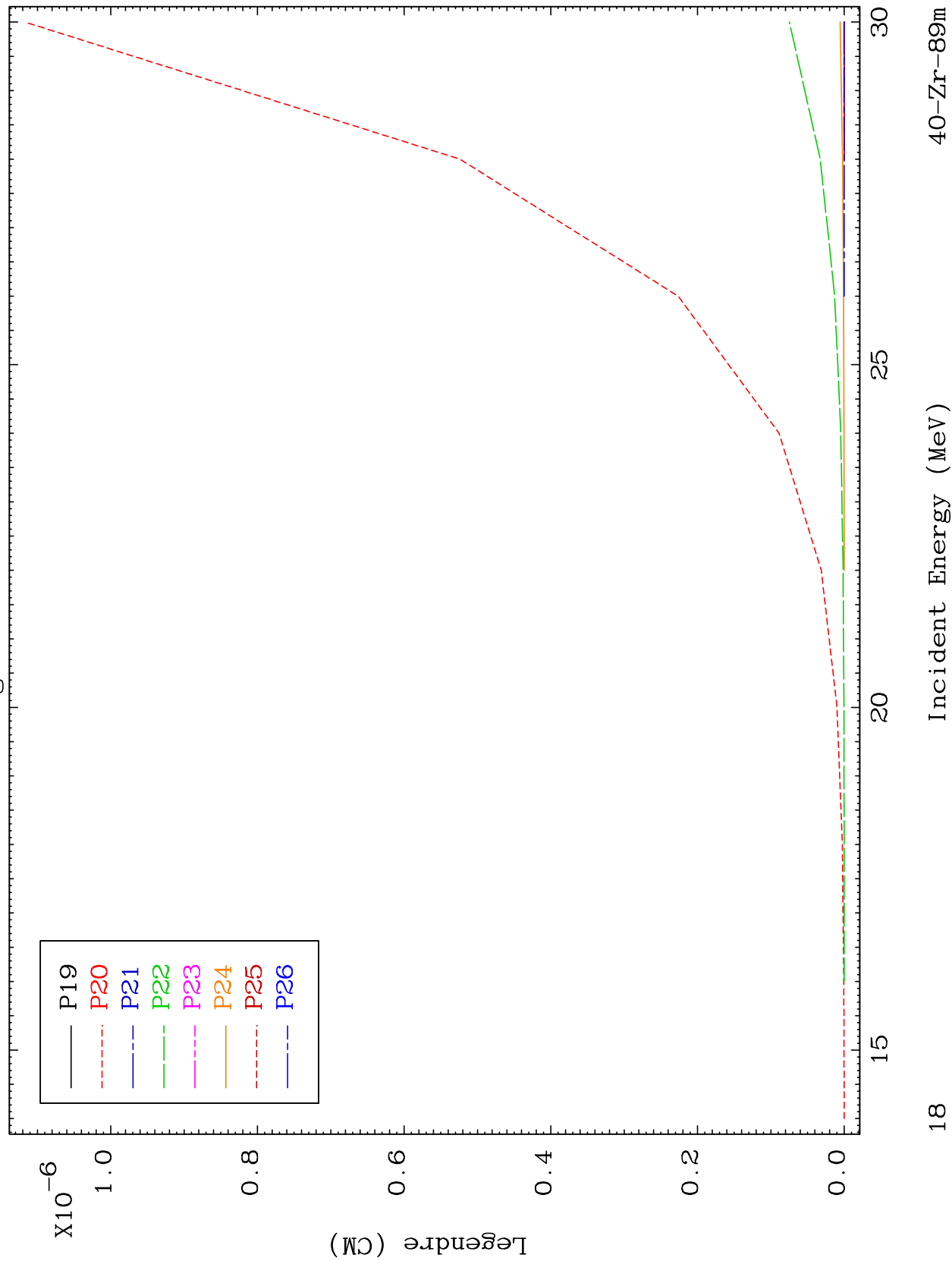
40-Zr-89m



MAT 4023

Elastic
Legendre Coefficients

40-Zr-89m



18

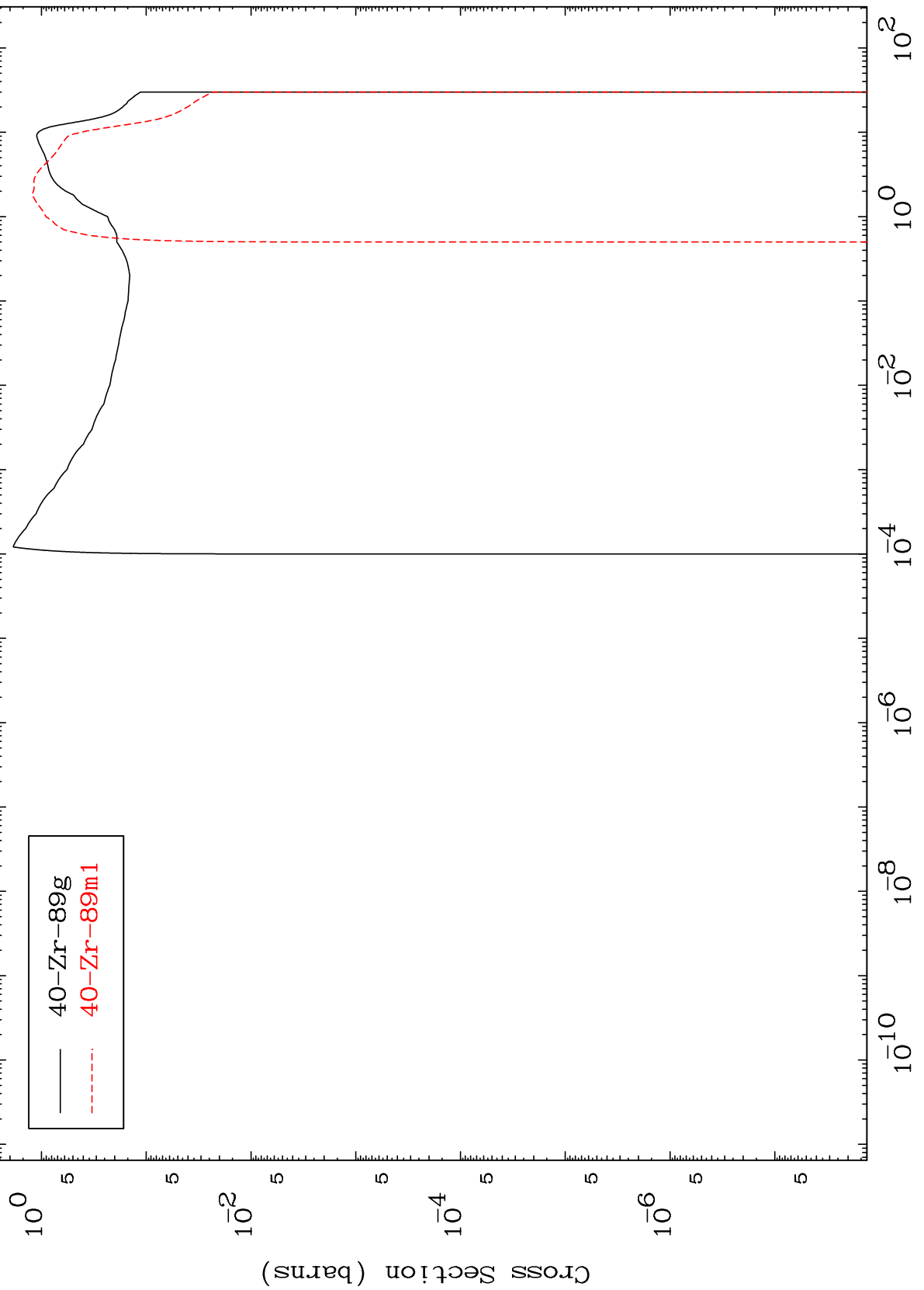
Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m

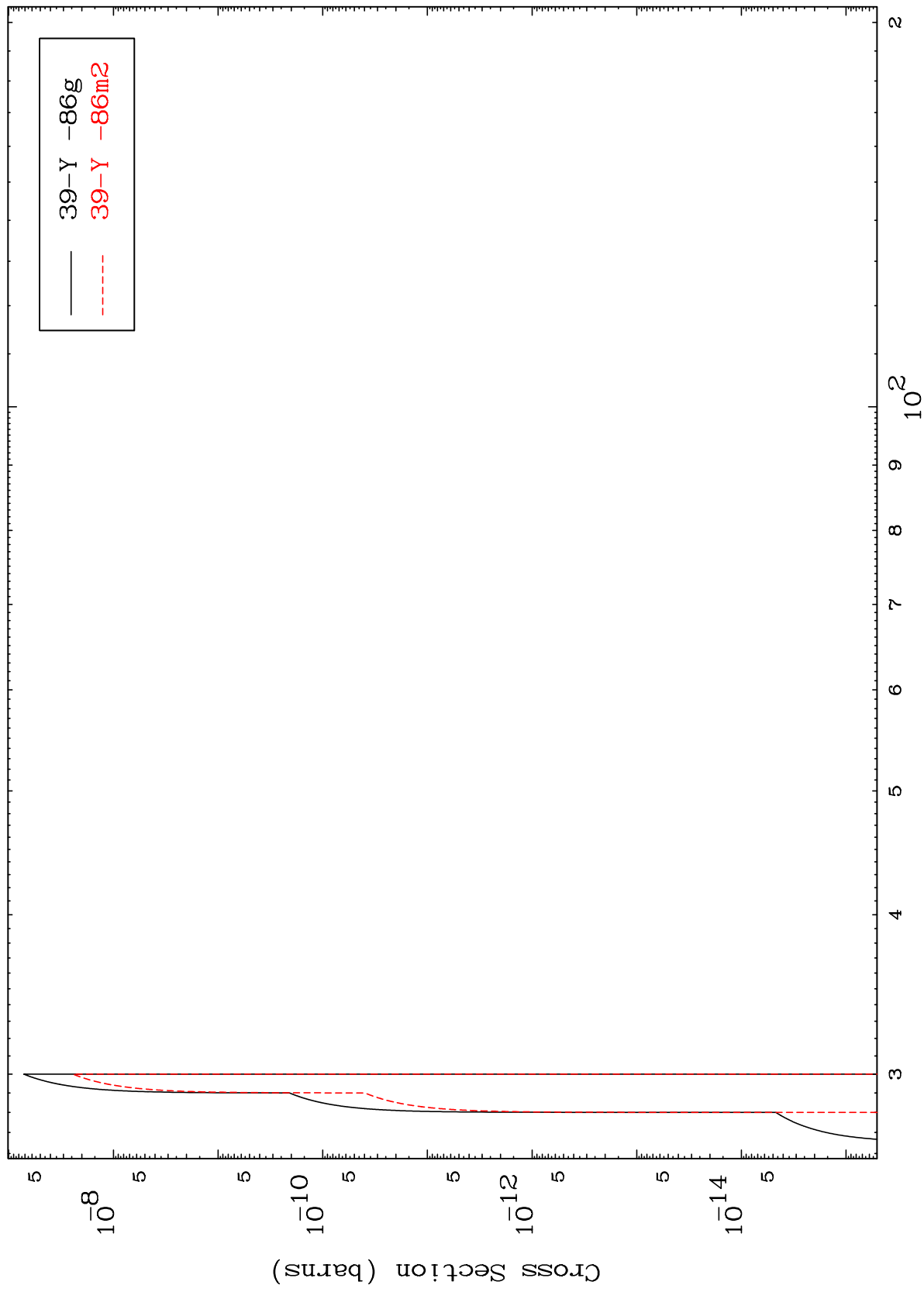
Inelastic
Radionuclide Production Cross Section



MAT 4023

40-Zr-89m

(n,2n) d
Radionuclide Production Cross Section



40-Zr-89m

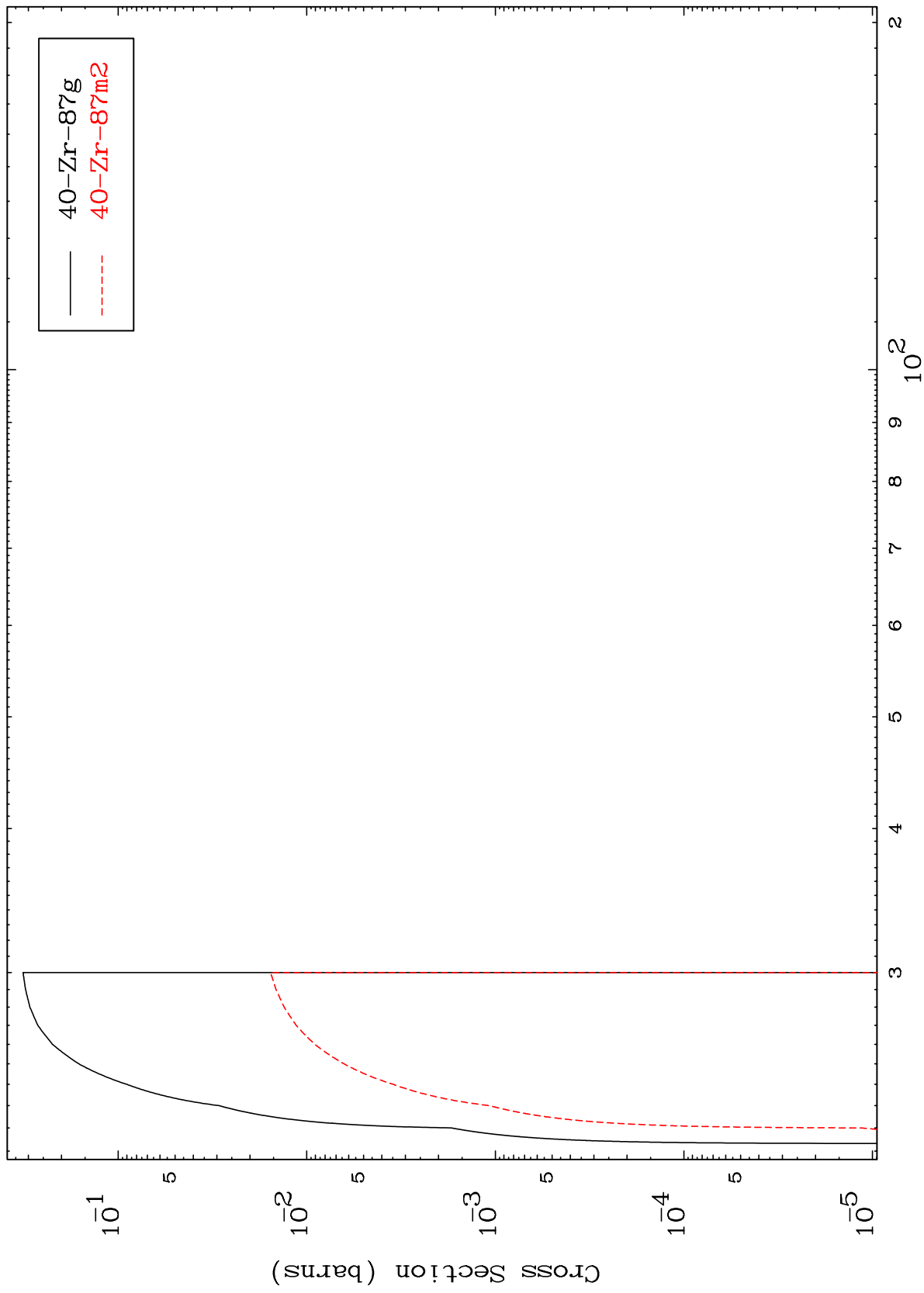
Incident Energy (MeV)

20

MAT 4023

40-Zr-89m

(n,3n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

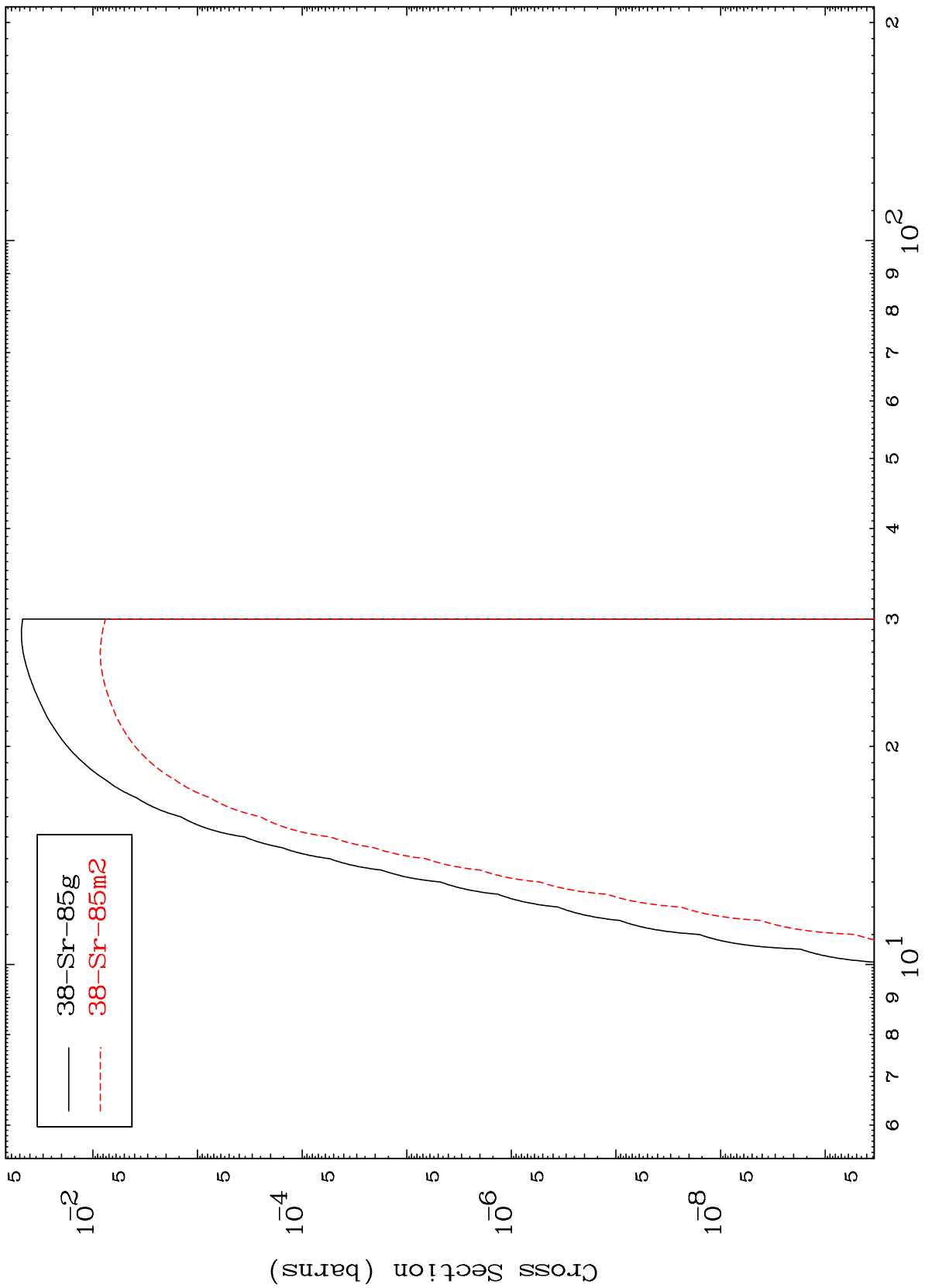
40-Zr-89m

MAT 4023

$(n, n') \alpha$

40-Zr-89m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

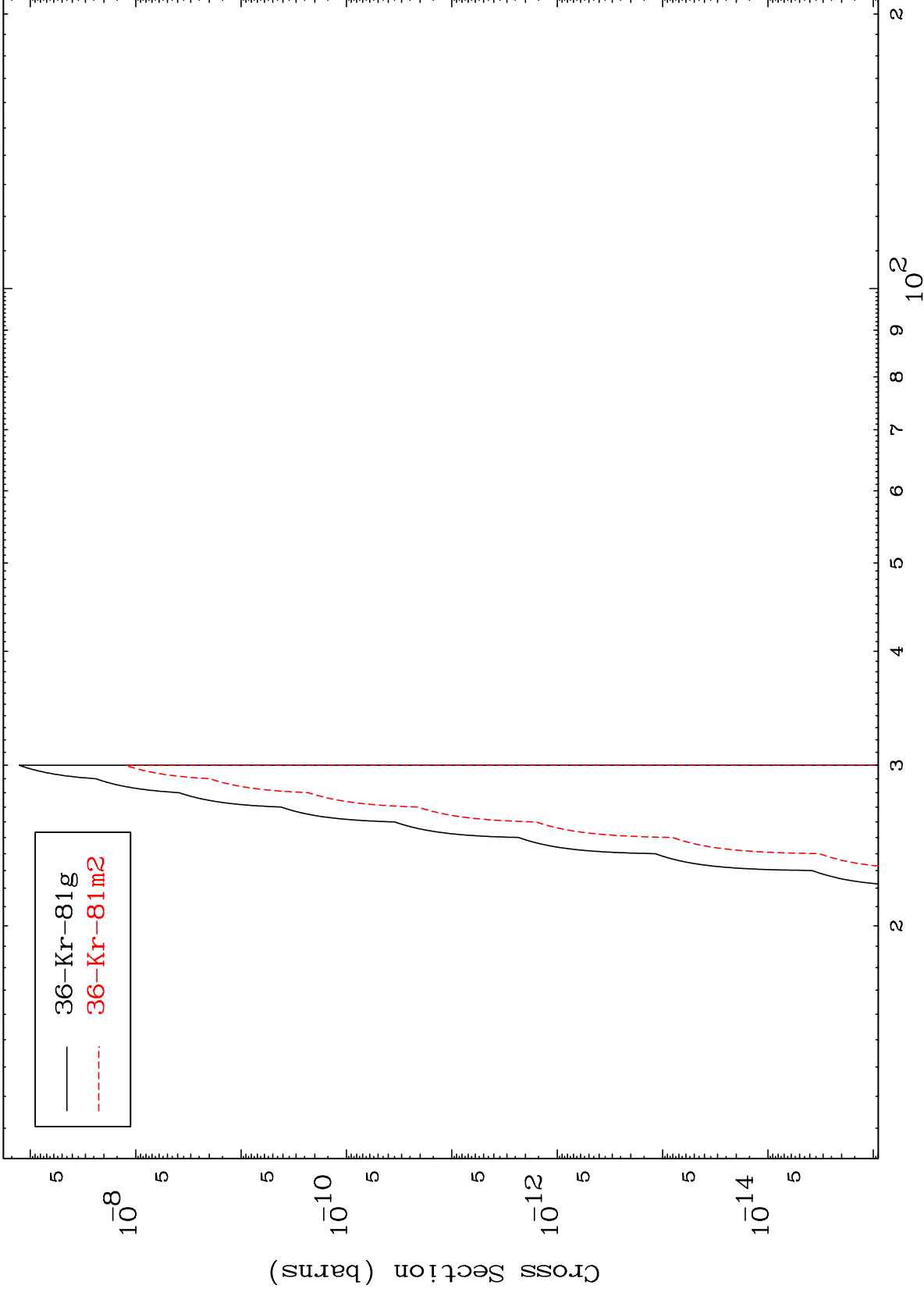
40-Zr-89m

MAT 4023

(n,n') 2α

40-Zr-89m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

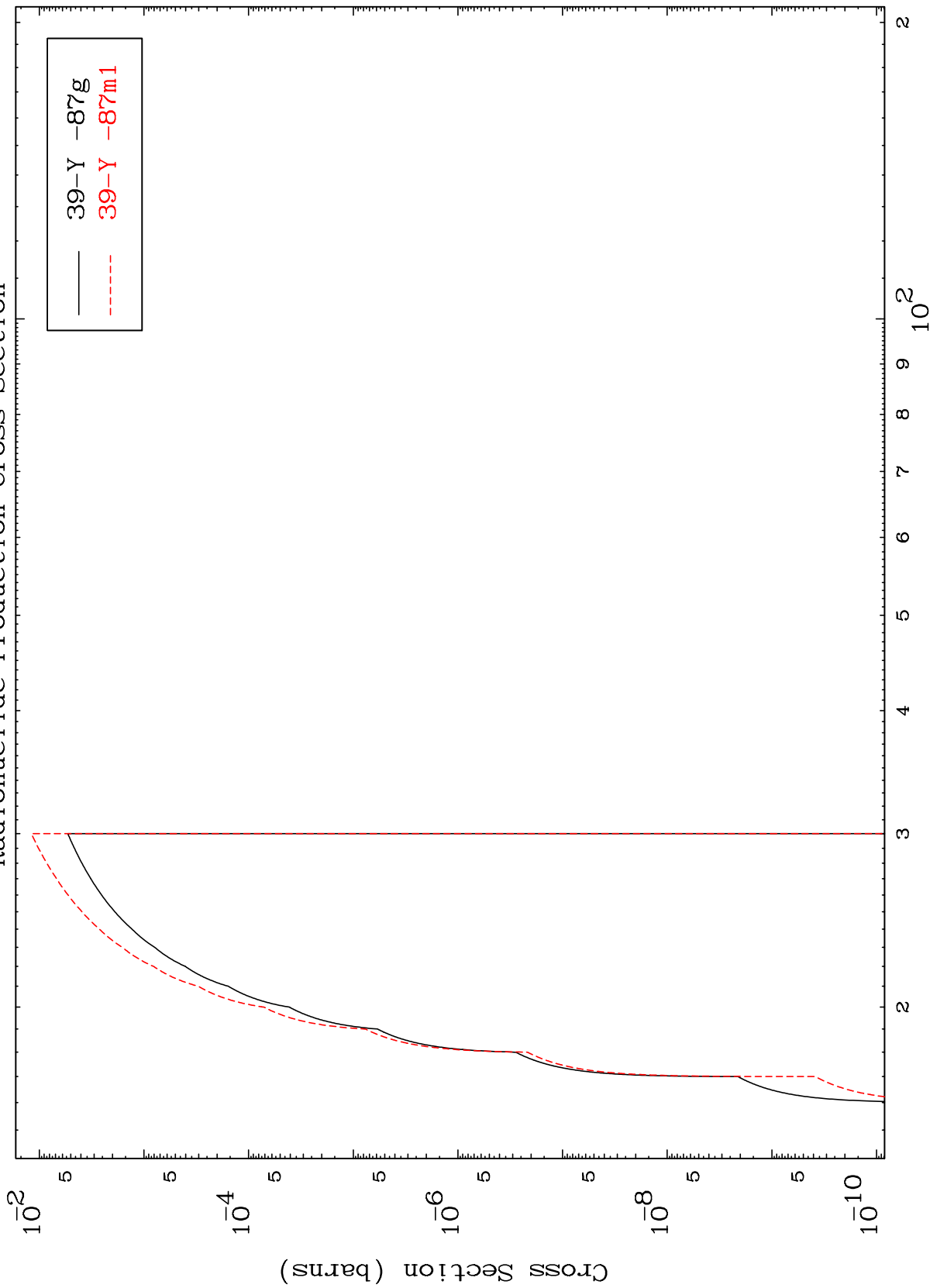
40-Zr-89m

MAT 4023

(n,n') d

40-Zr-89m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

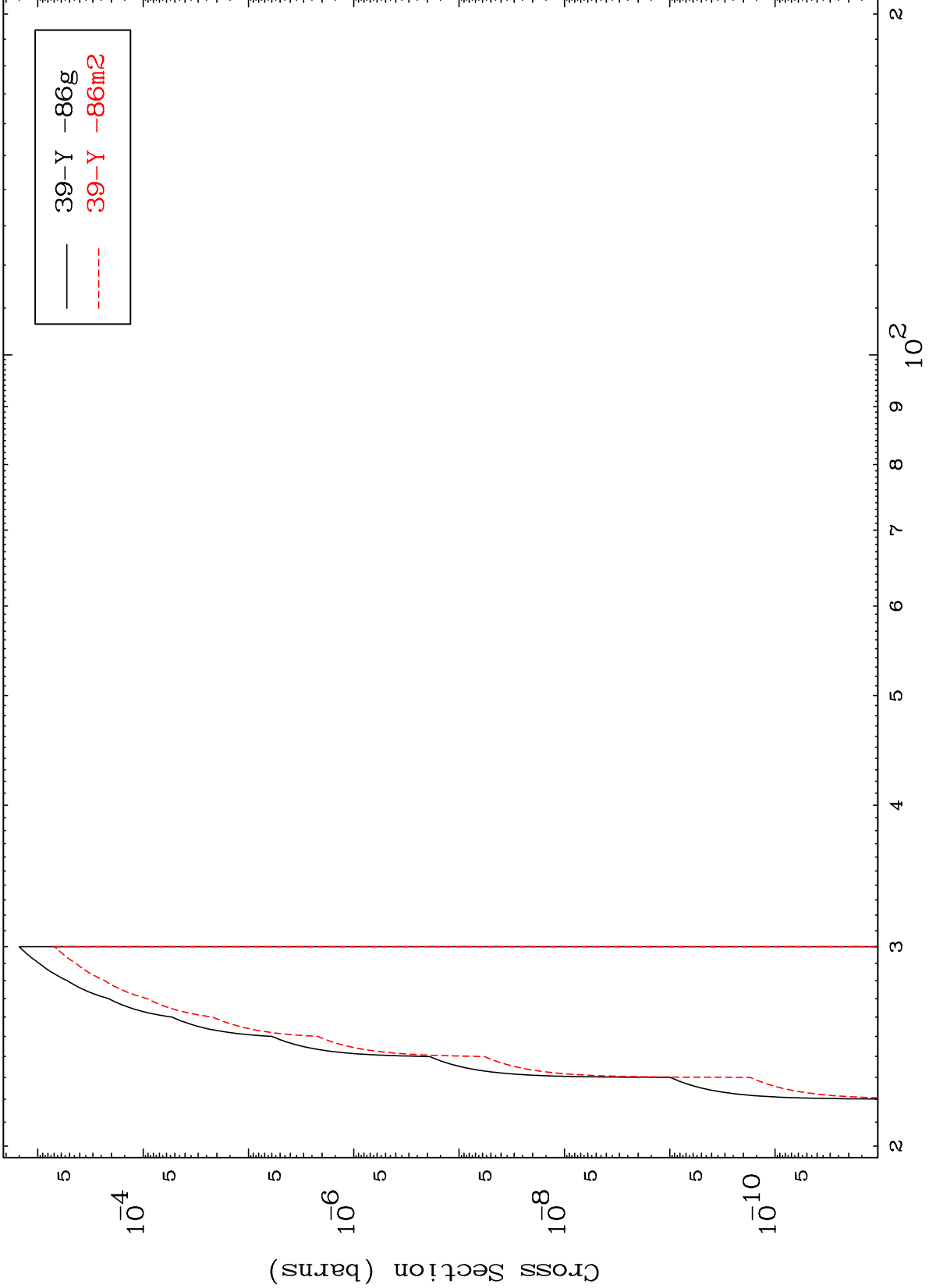
40-Zr-89m

MAT 4023

(n,n') t

40-Zr-89m

Radionuclide Production Cross Section

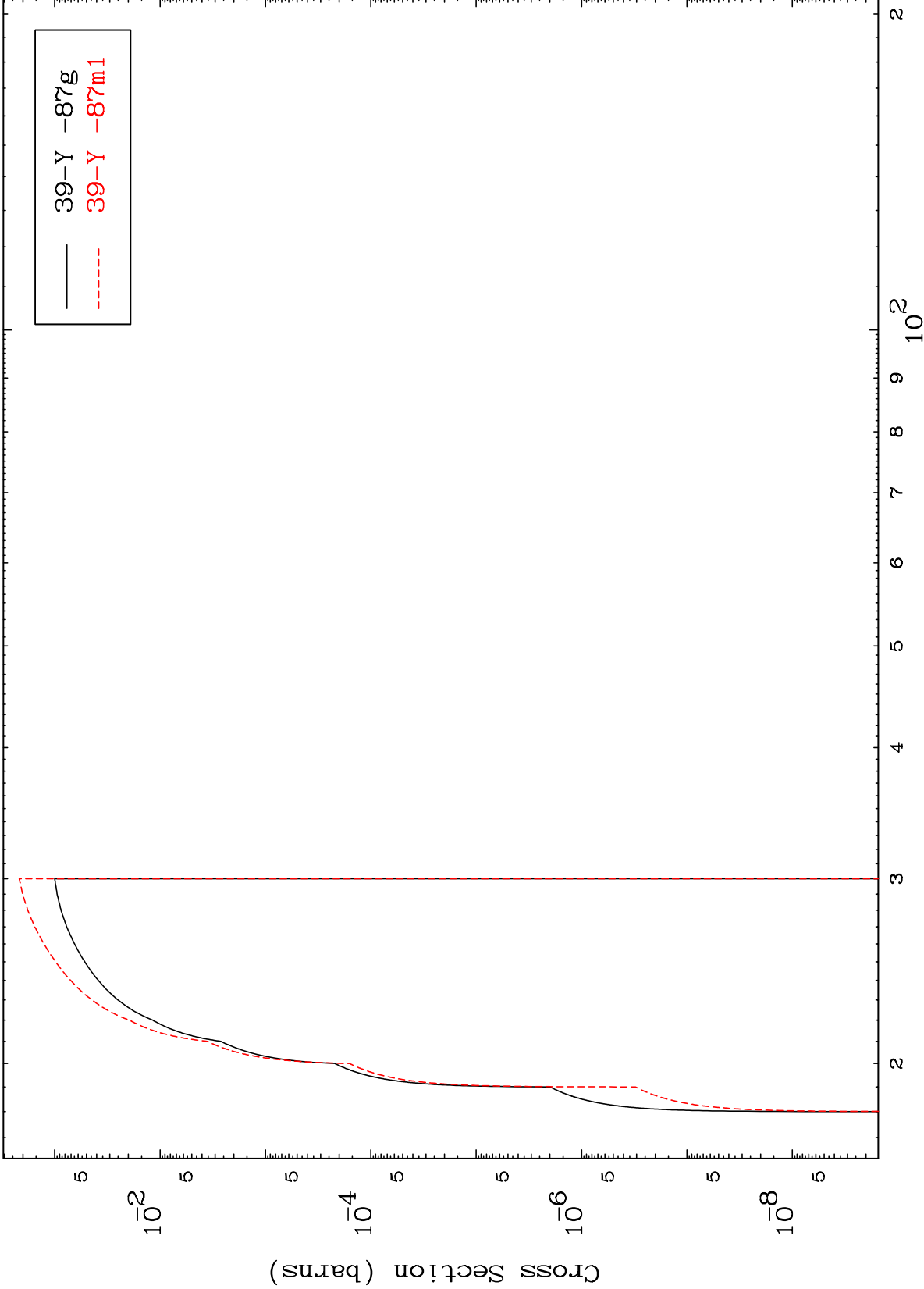


25

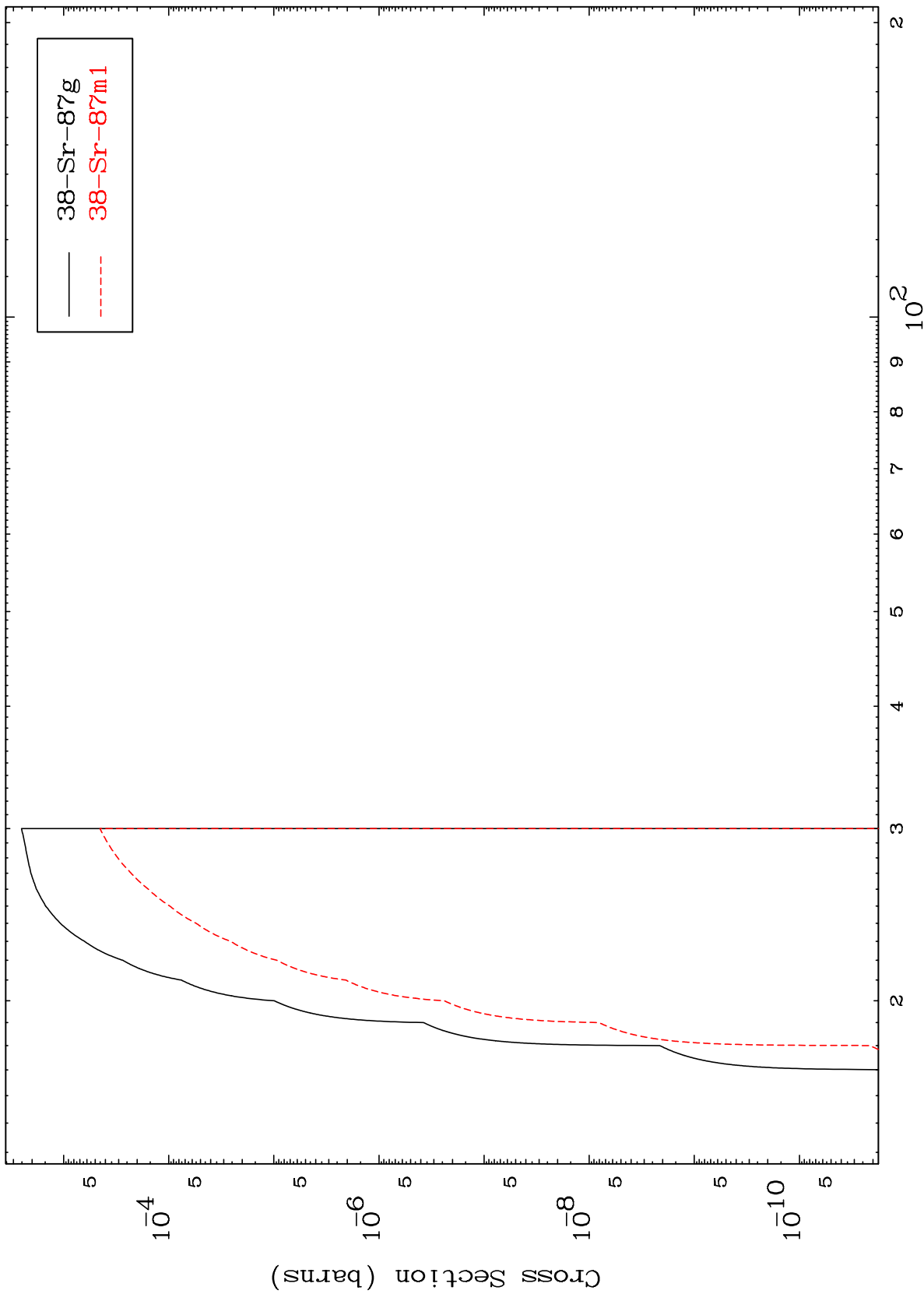
Incident Energy (MeV)

40-Zr-89m

Radionuclide Production Cross Section



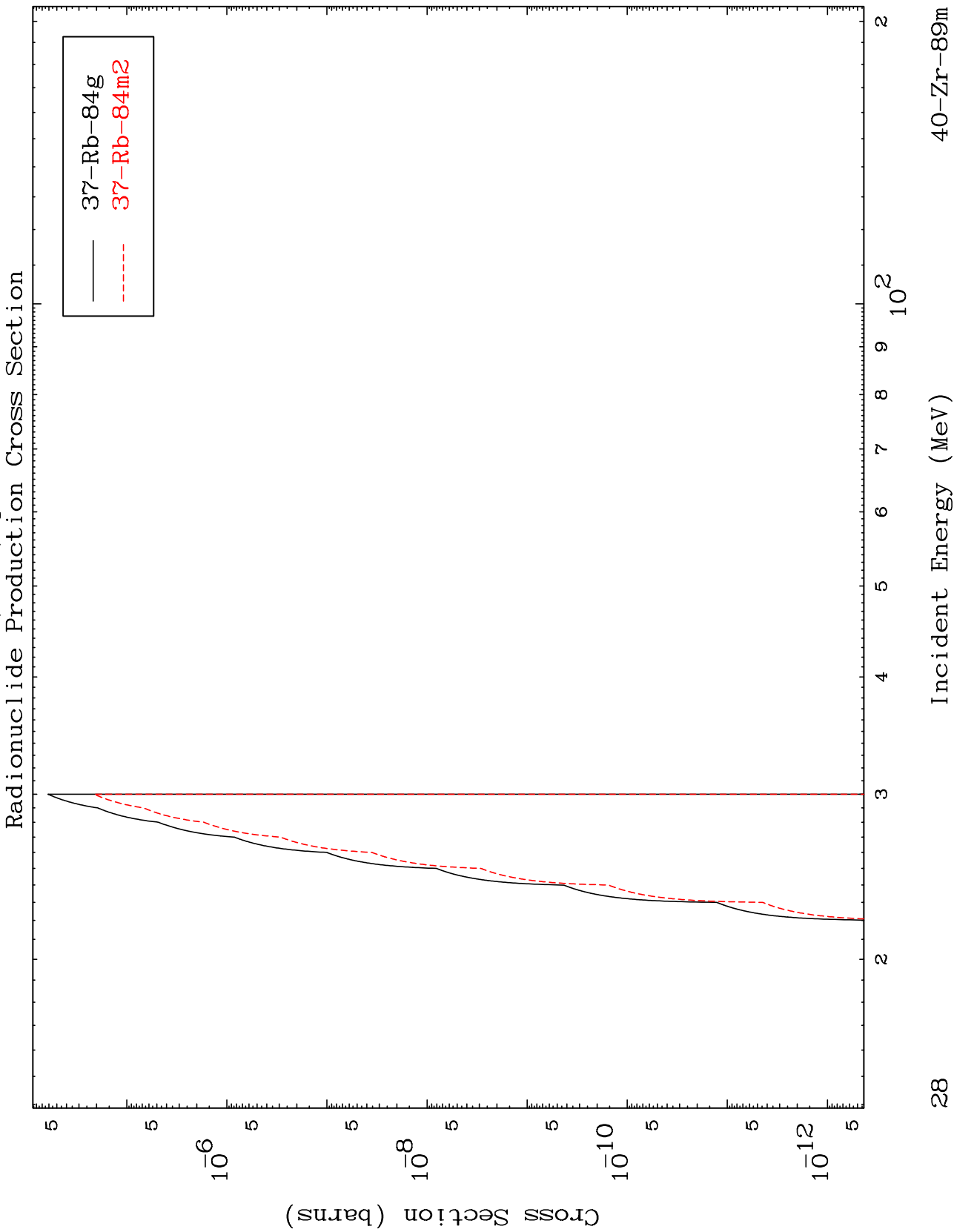
Radionuclide Production Cross Section



MAT 4023

(n,n') p α

40-Zr-89m



28

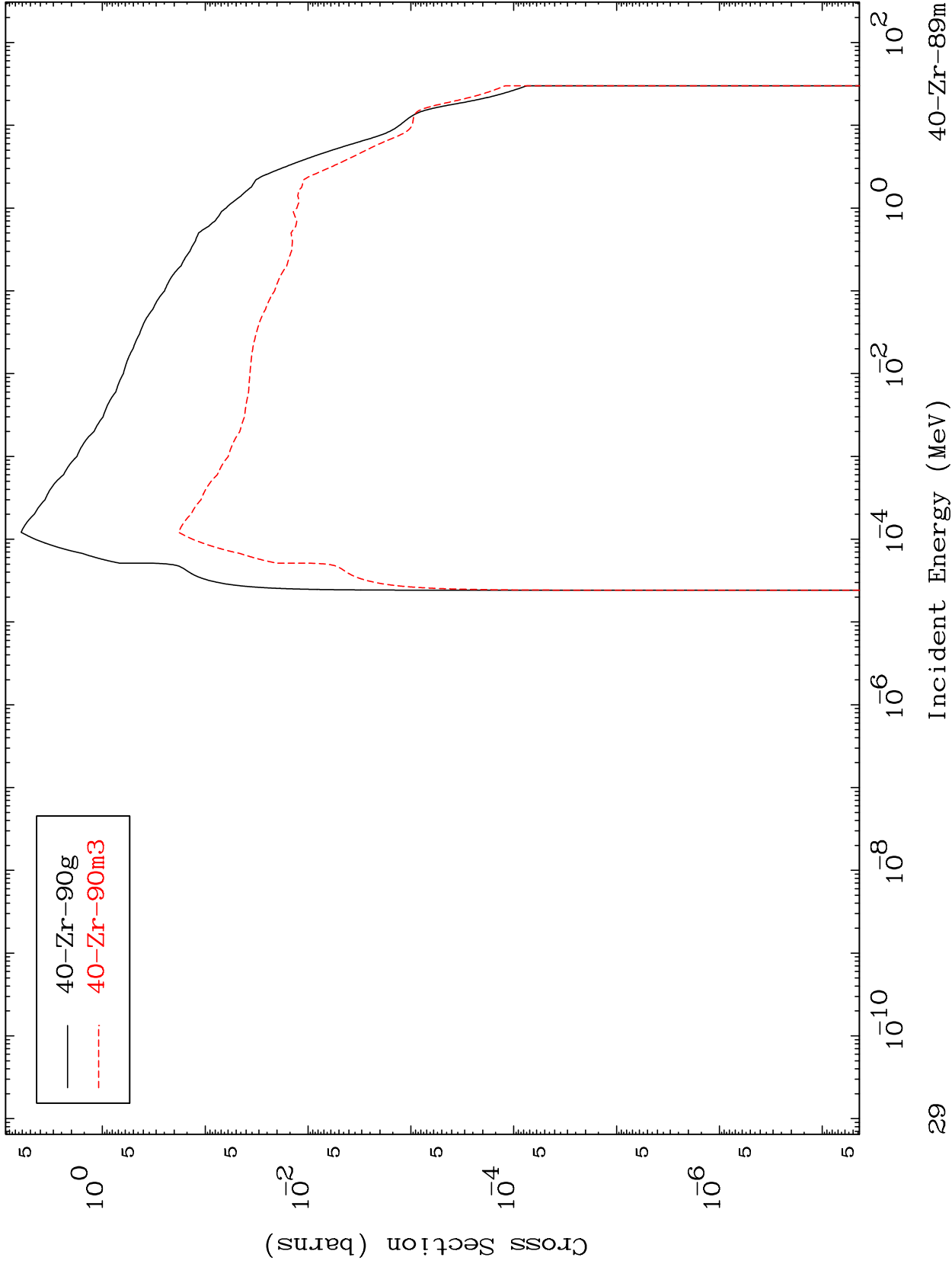
Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m

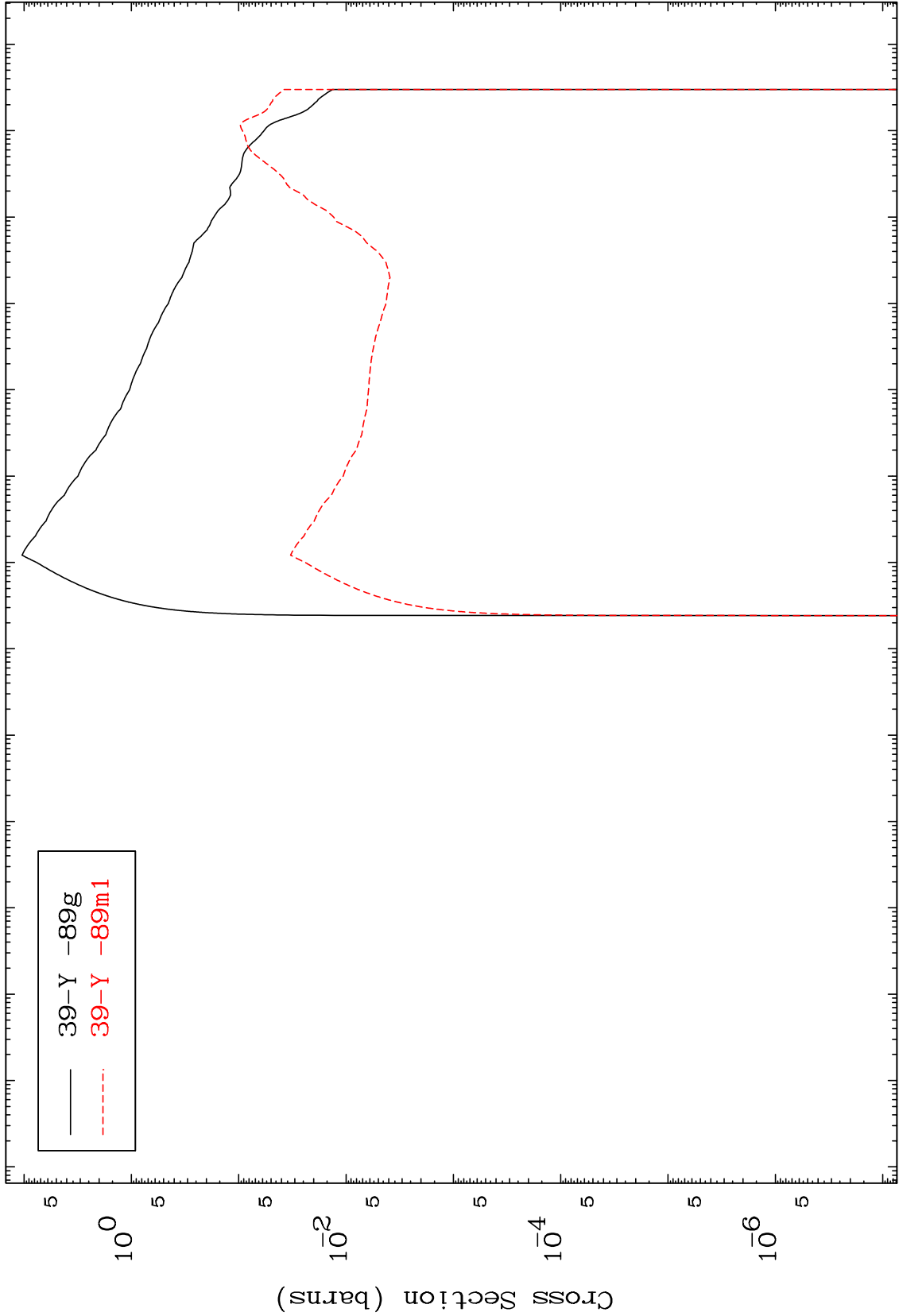
(n, γ)
Radionuclide Production Cross Section



MAT 4023

40-Zr-89m

(n,p)
Radionuclide Production Cross Section

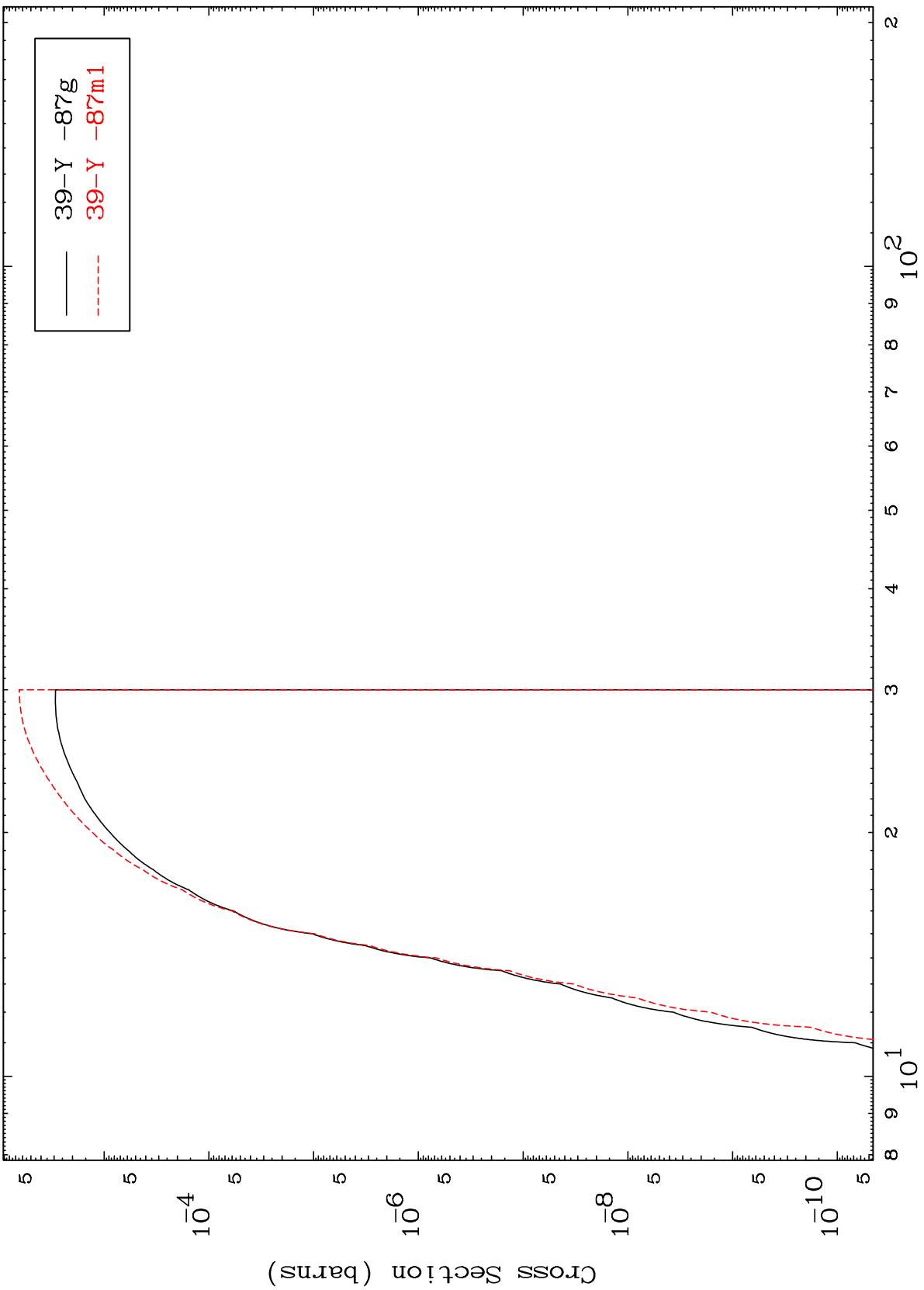


— 39-Y -89g
- - - 39-Y -89m1

MAT 4023

40-Zr-89m

(n,t)
Radionuclide Production Cross Section



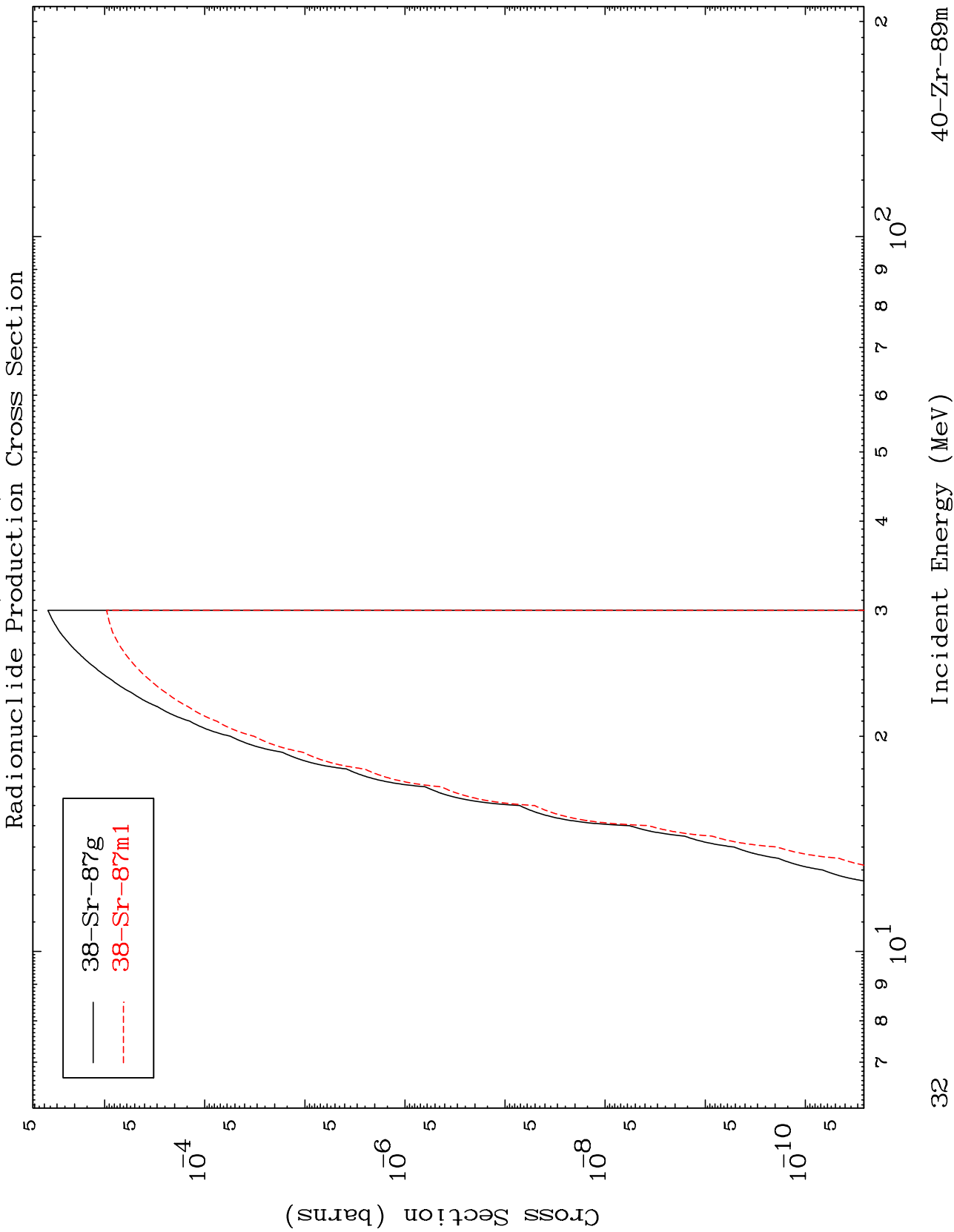
31

Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m



32

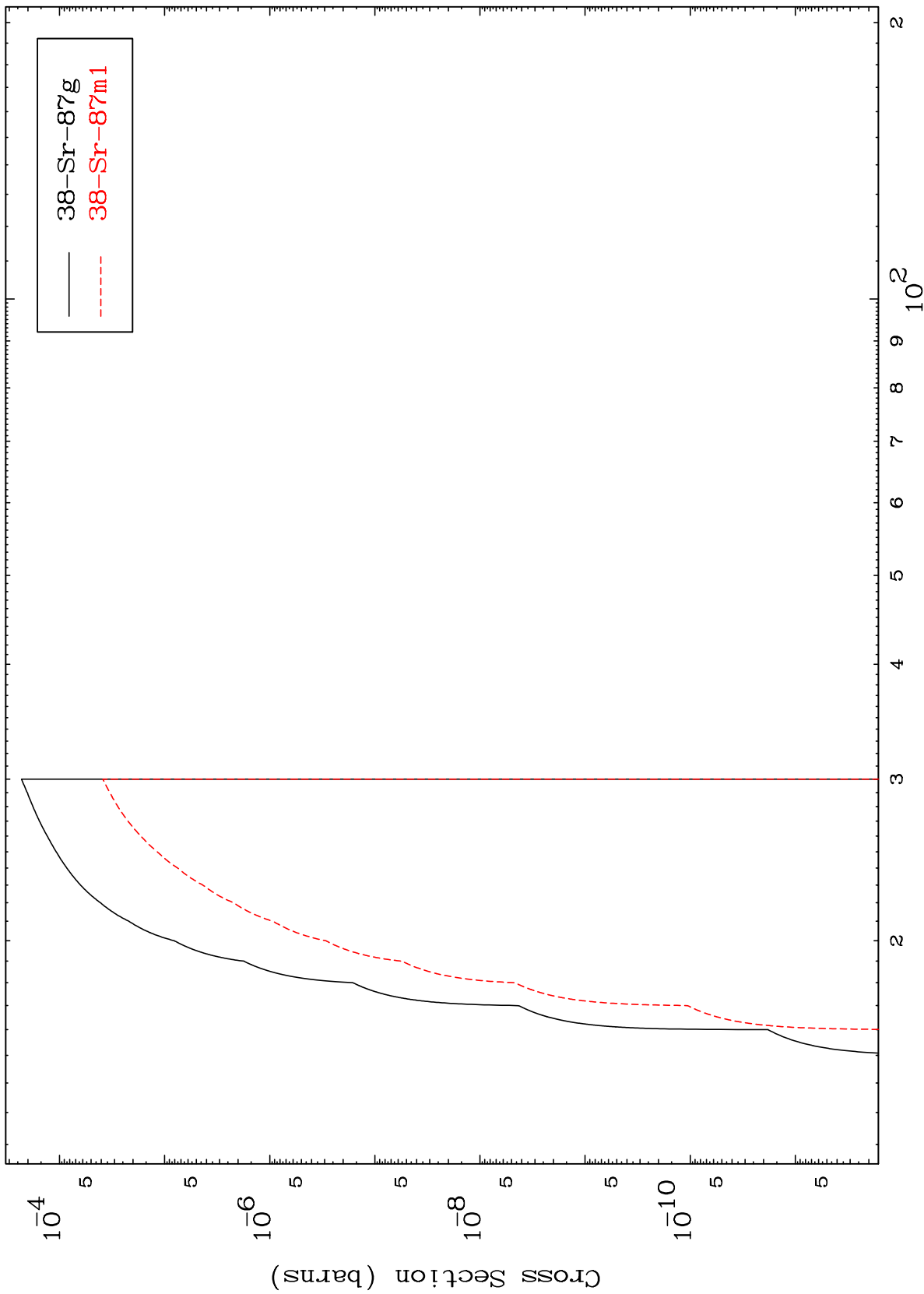
40-Zr-89m

MAT 4023

(n,p) d

40-Zr-89m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

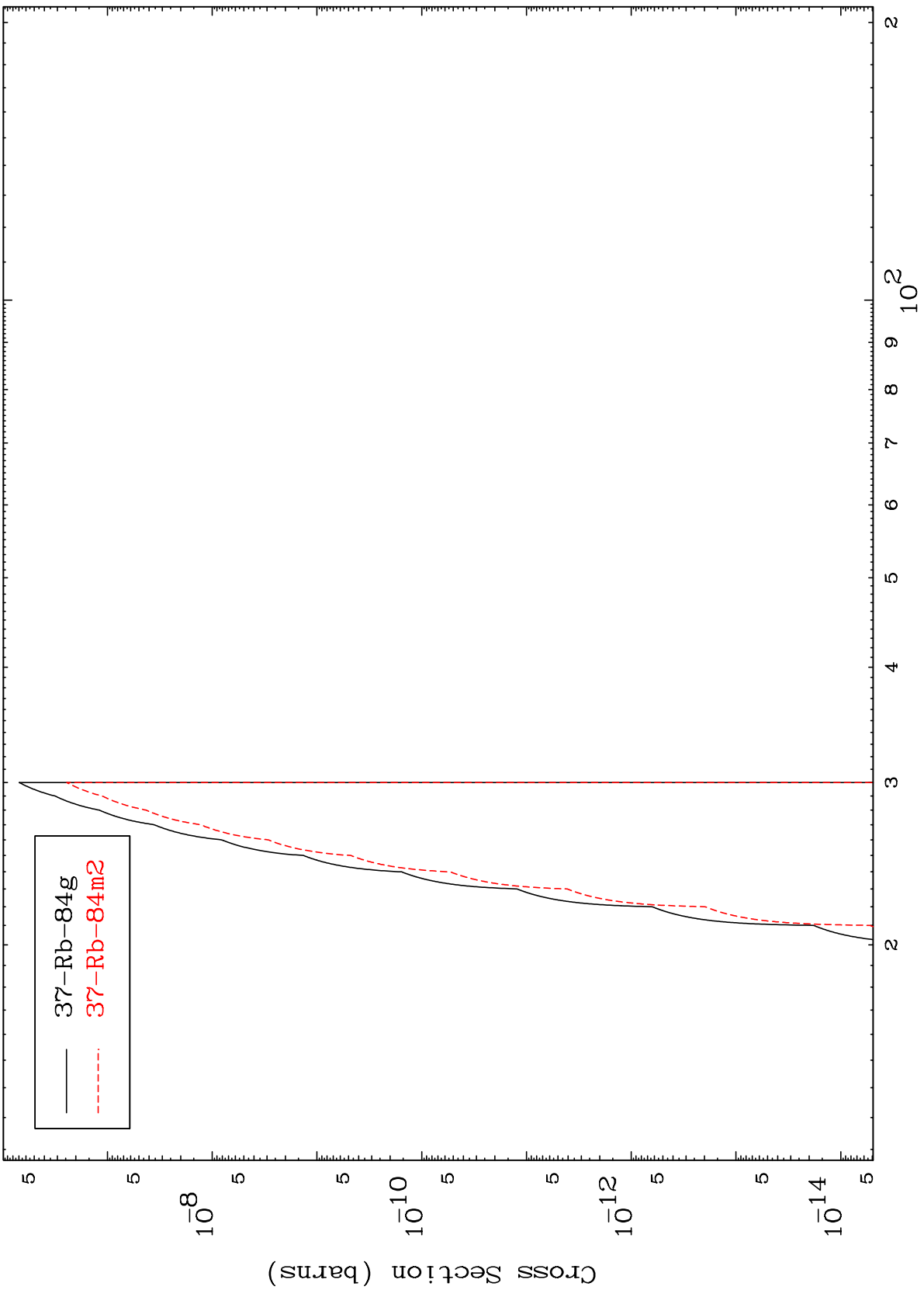
40-Zr-89m

MAT 4023

(n,d) α

40-Zr-89m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

40-Zr-89m