

Program EVALPLOT
(Version 2018-1)

by

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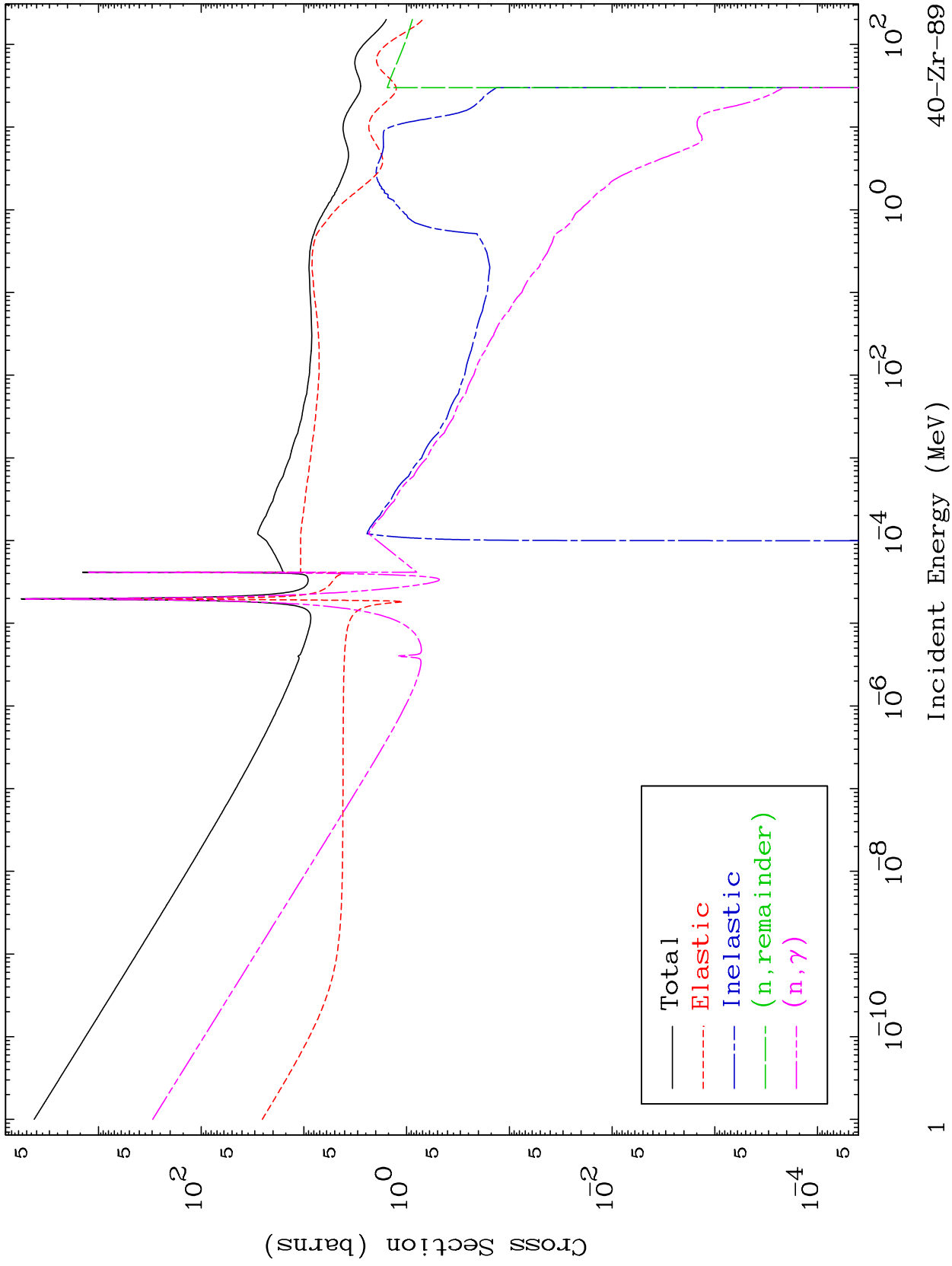
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4023

Major
293 Kelvin Cross Sections

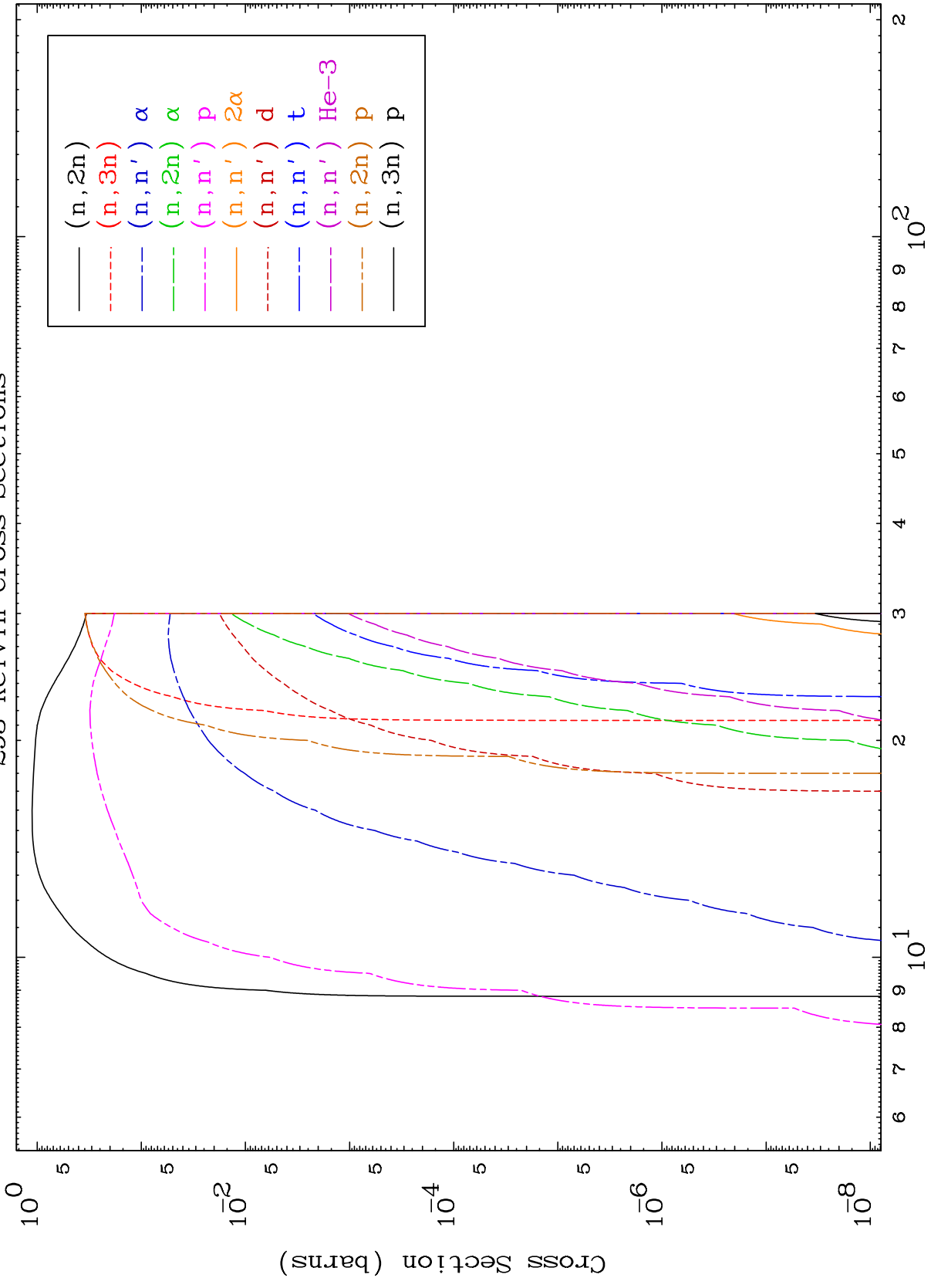
40-Zr-89



MAT 4023

Neutron Production 293 Kelvin Cross Sections

40-Zr-89



2

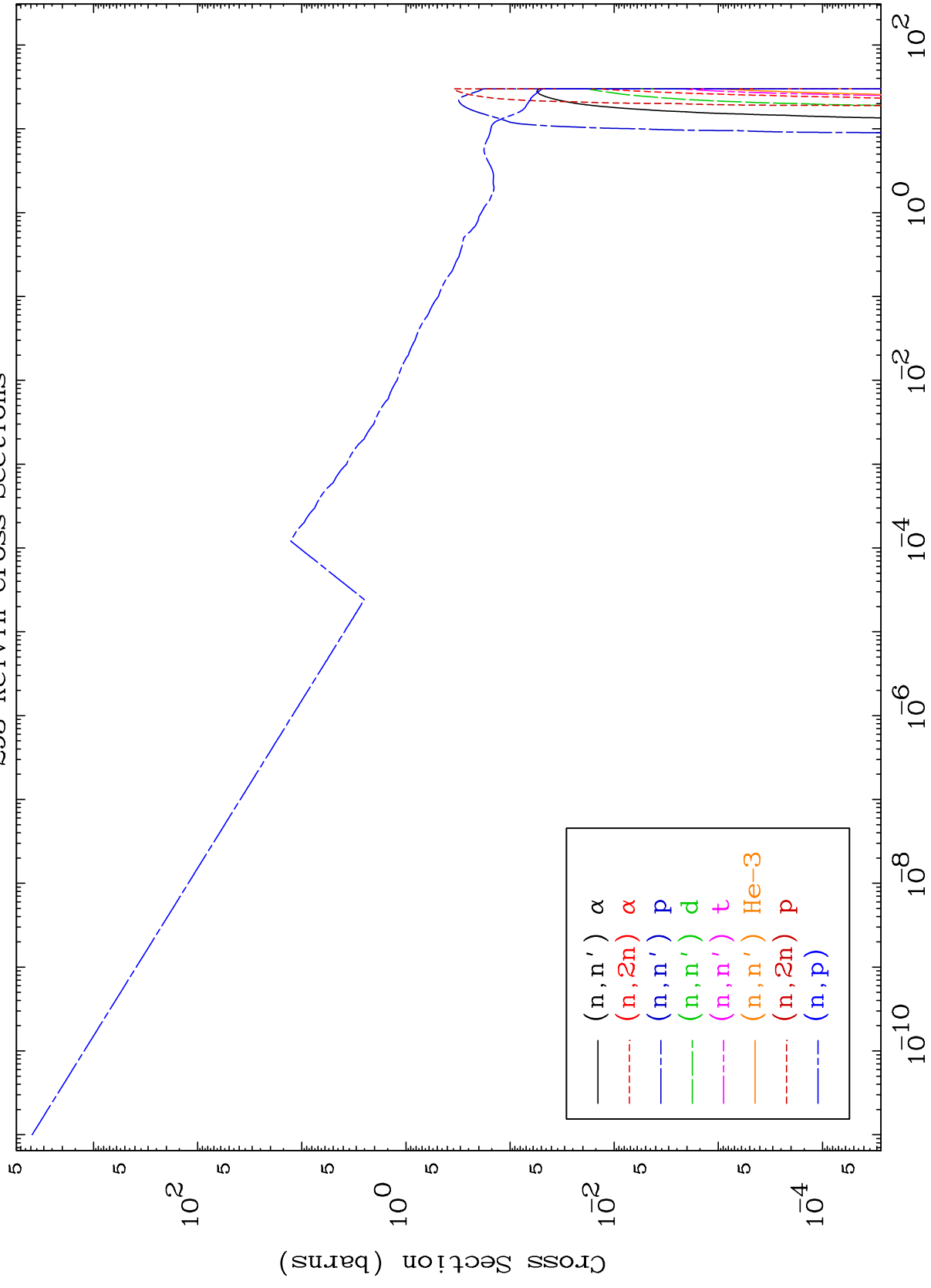
Incident Energy (MeV)

40-Zr-89

MAT 4023

Charged Particle
293 Kelvin Cross Sections

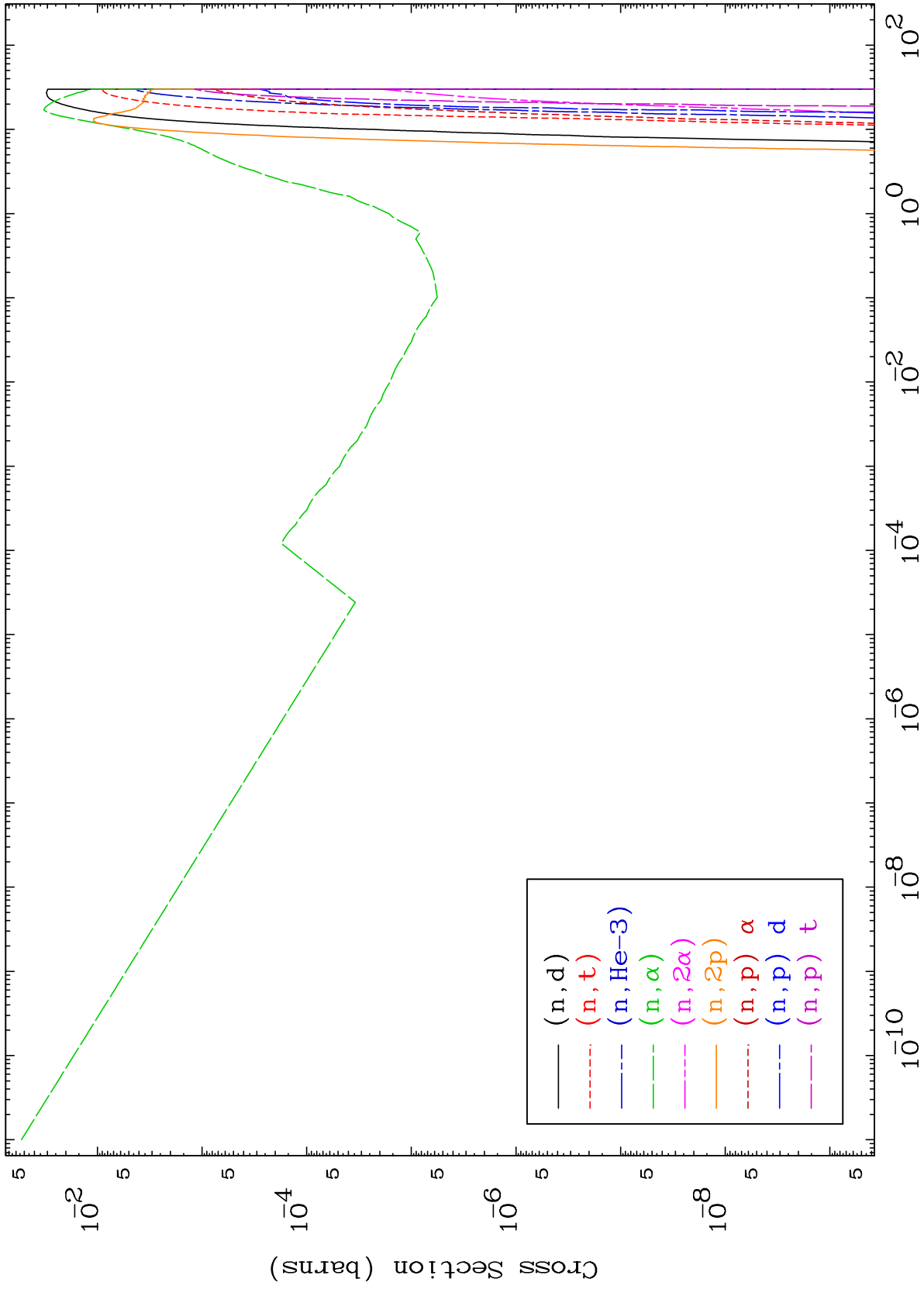
40-Zr-89



MAT 4023

293 Kelvin Cross Sections

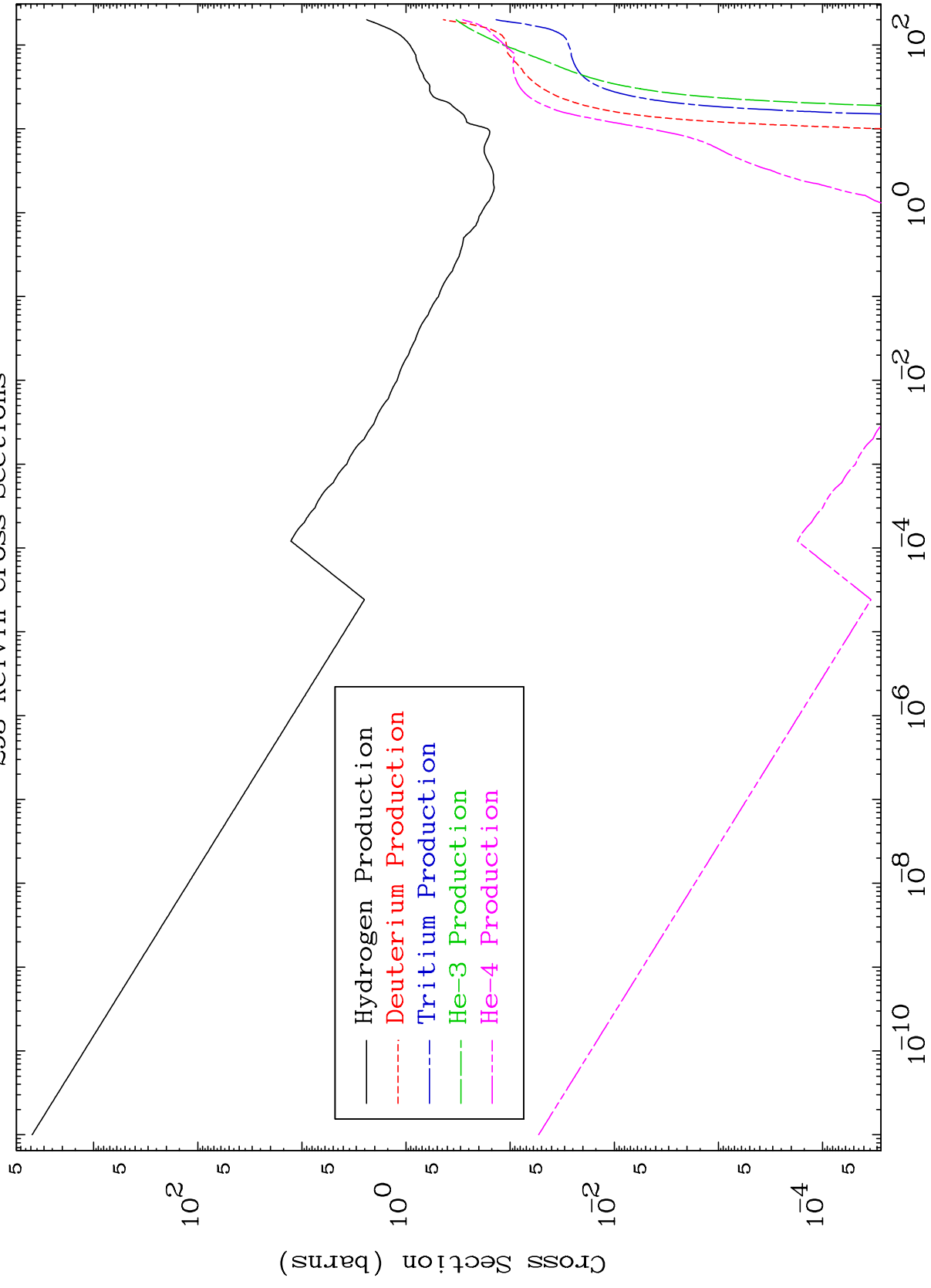
40-Zr-89



MAT 4023

Particle Production
293 Kelvin Cross Sections

40-Zr-89



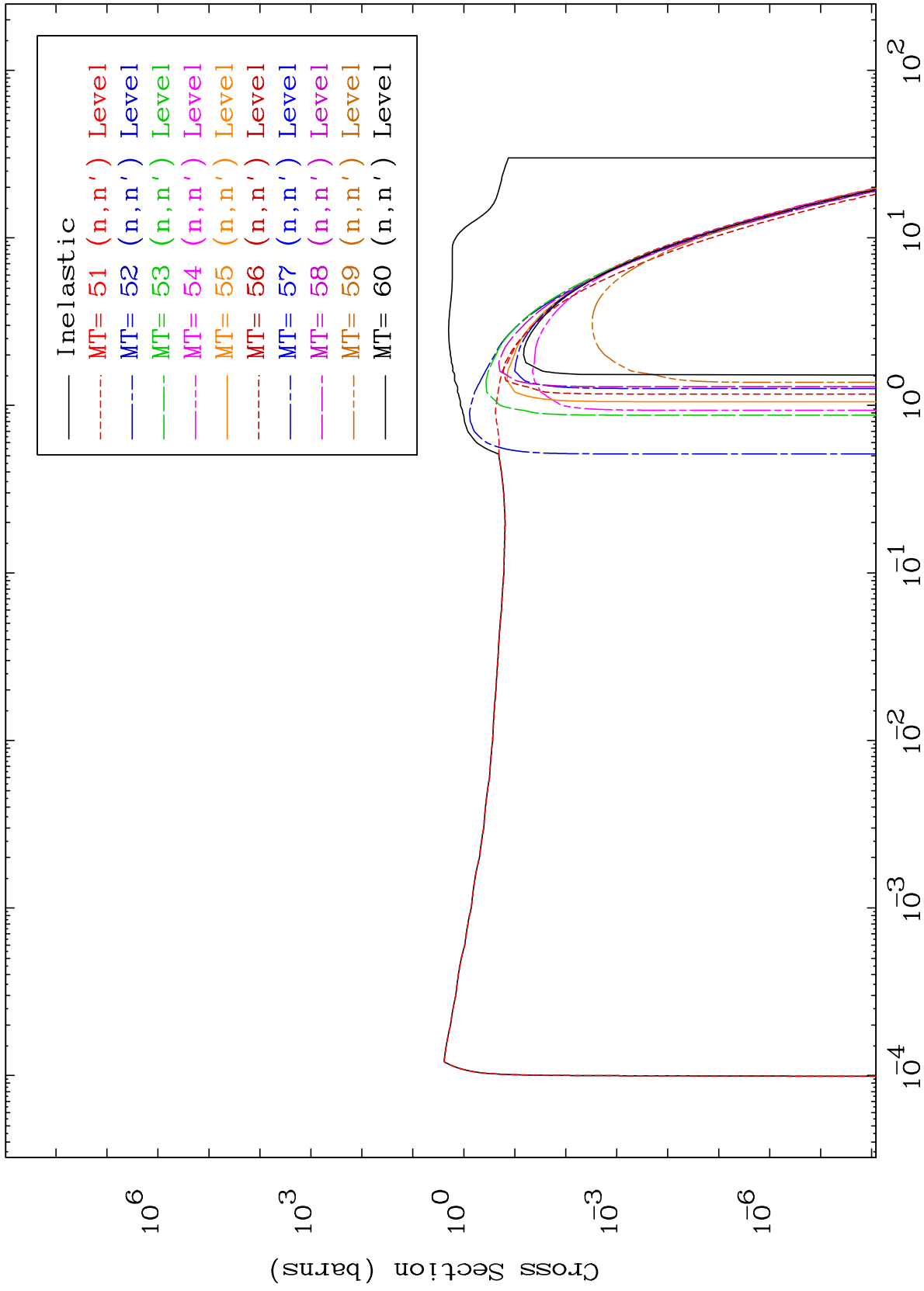
5

40-Zr-89

MAT 4023

(n,n') Level
293 Kelvin Cross Sections

40-Zr-89



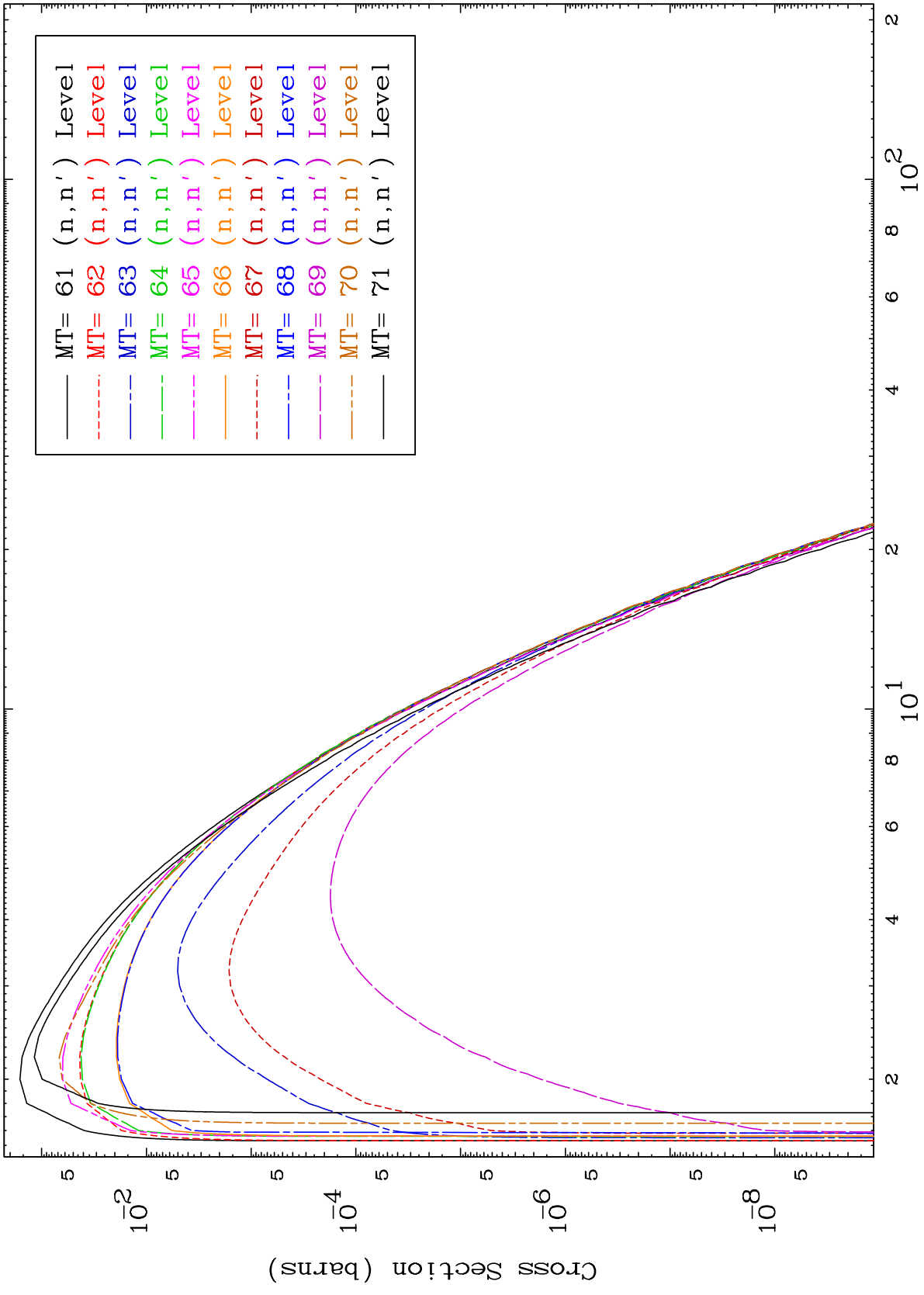
6

40-Zr-89

MAT 4023

(n,n') Level
293 Kelvin Cross Sections

40-Zr-89



7

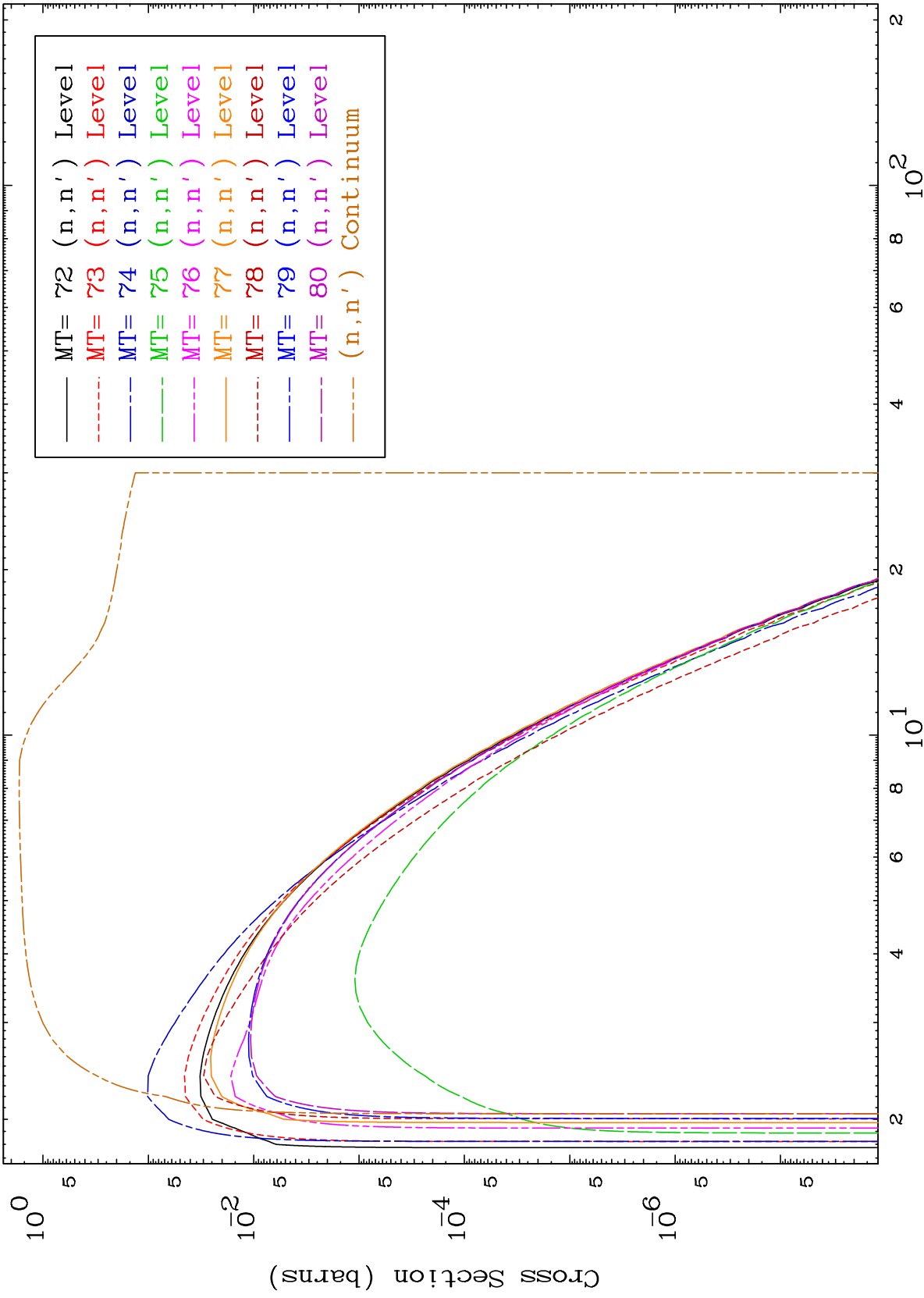
Incident Energy (MeV)

40-Zr-89

MAT 4023

(n,n') Level
293 Kelvin Cross Sections

40-Zr-89



8

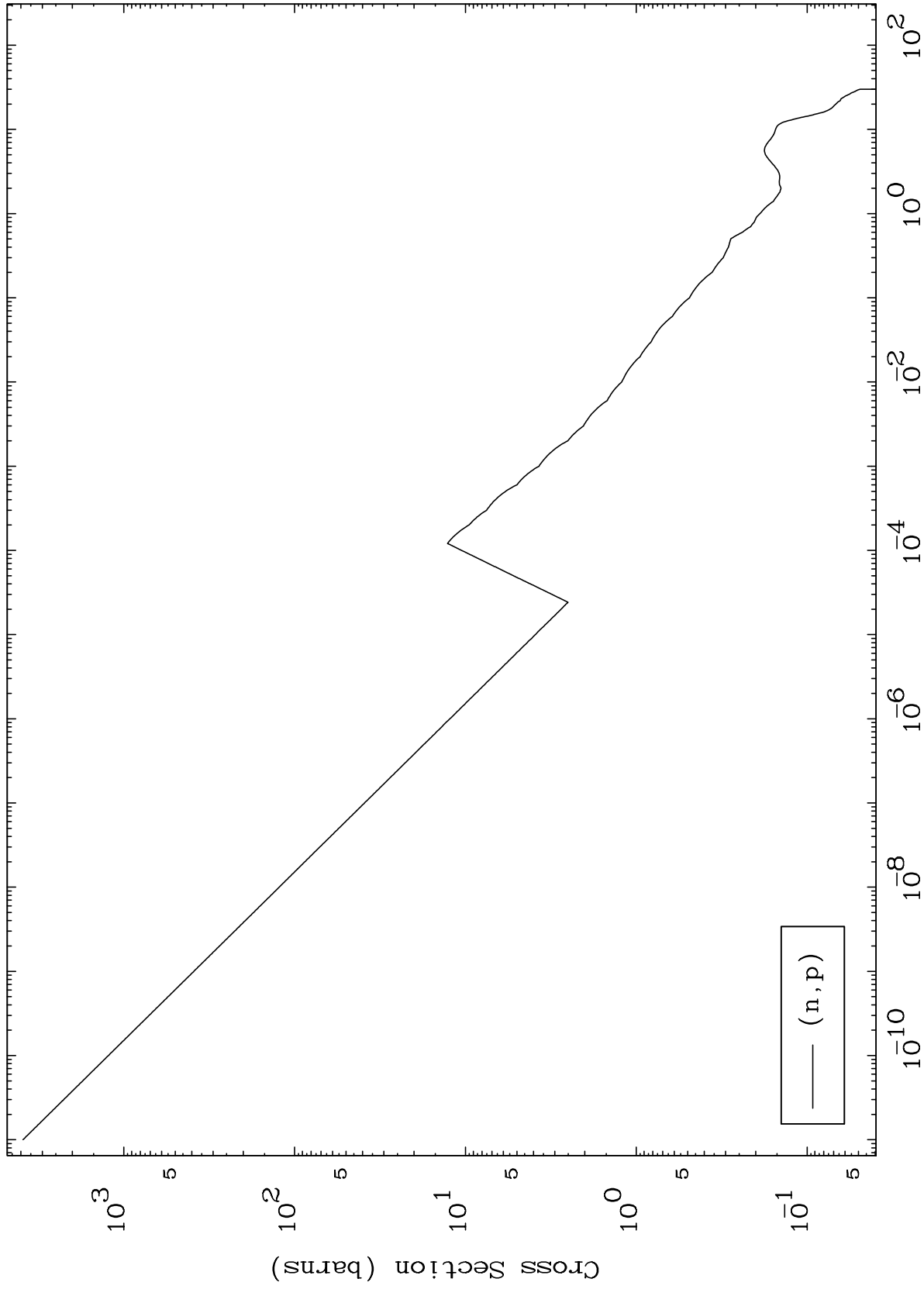
Incident Energy (MeV)

40-Zr-89

MAT 4023

(n,p) Levels
293 Kelvin Cross Sections

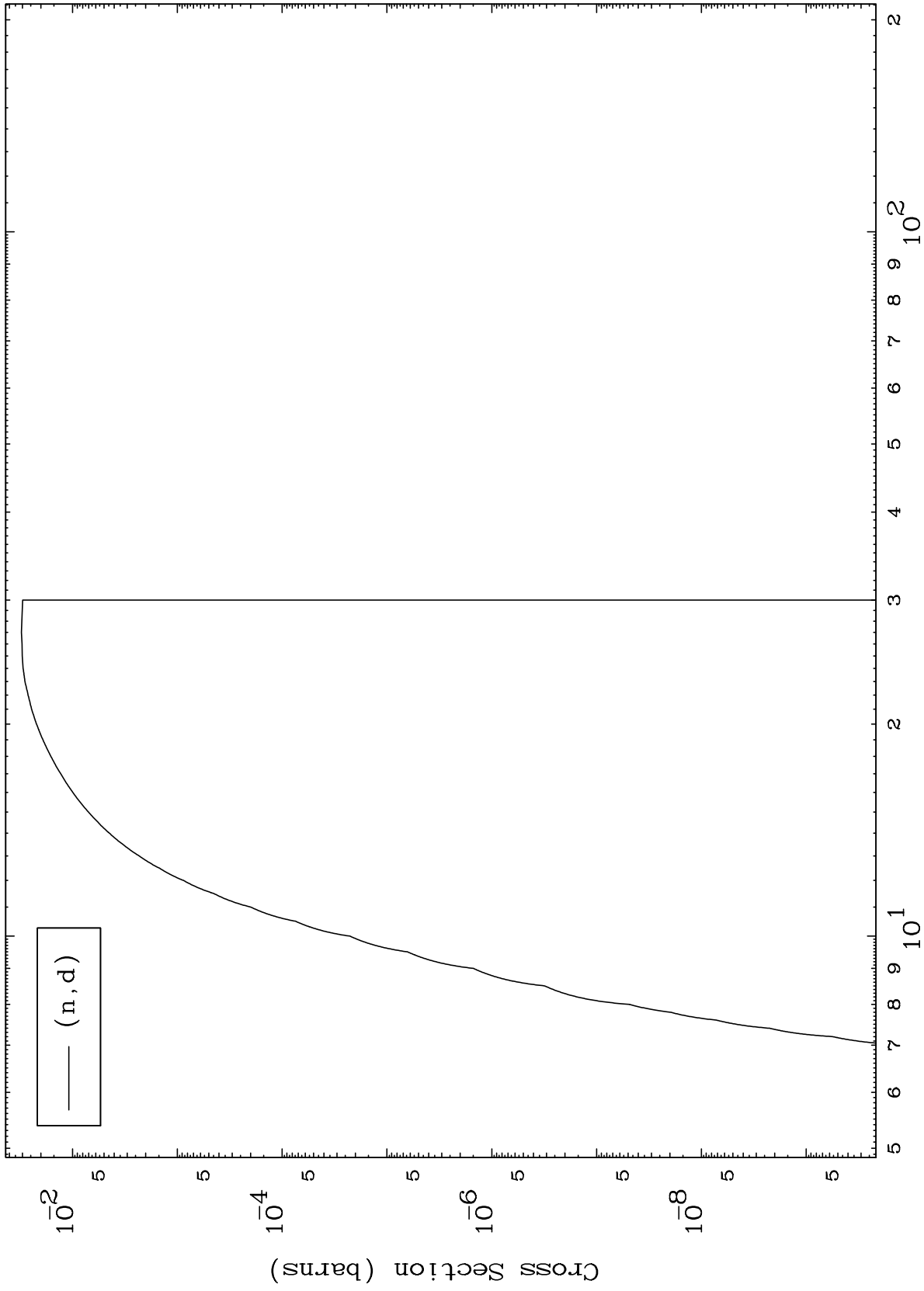
40-Zr-89



MAT 4023

(n,d) Levels
293 Kelvin Cross Sections

40-Zr-89



10

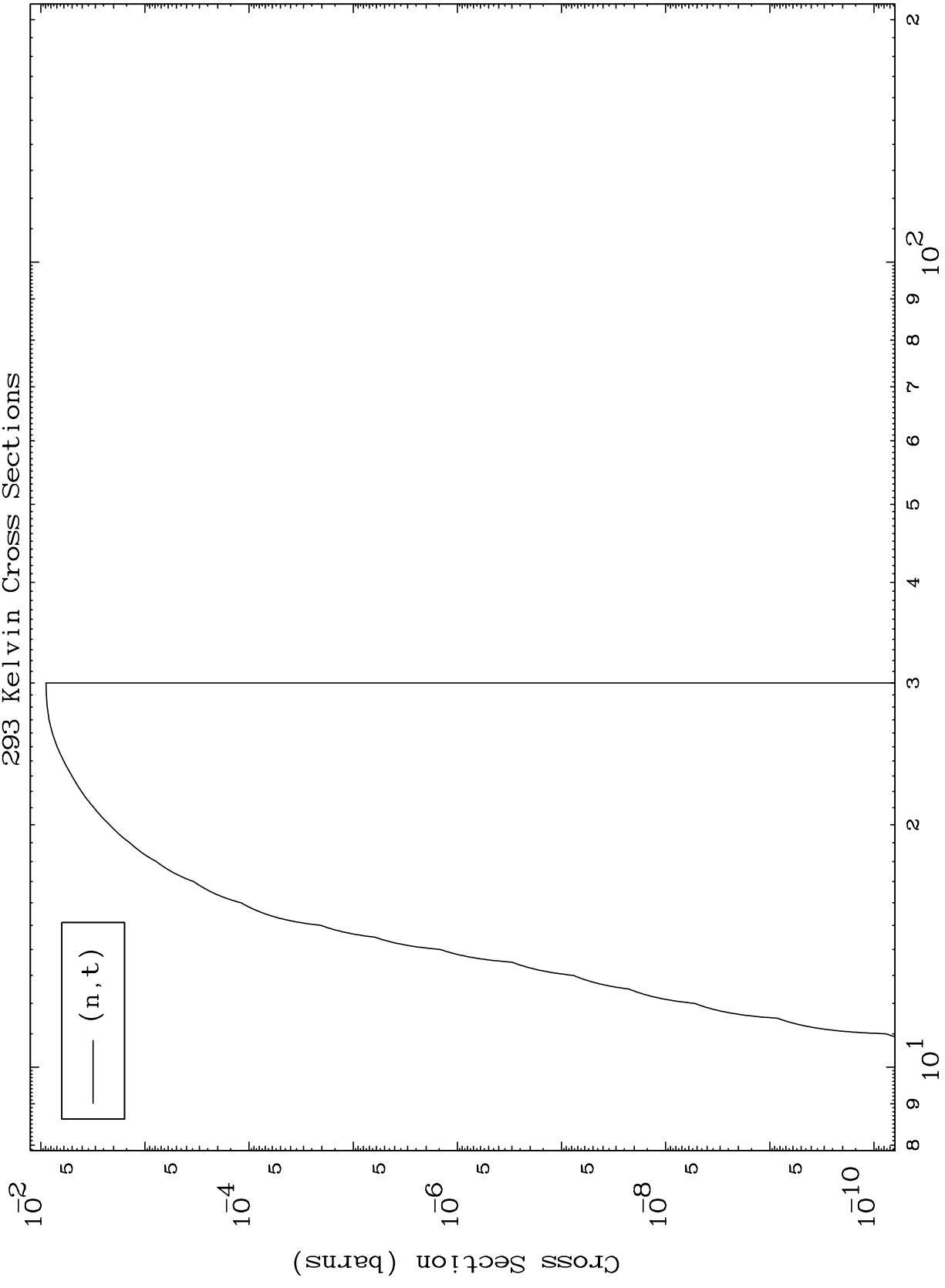
Incident Energy (MeV)

40-Zr-89

MAT 4023

(n,t) Levels
293 Kelvin Cross Sections

40-Zr-89



11

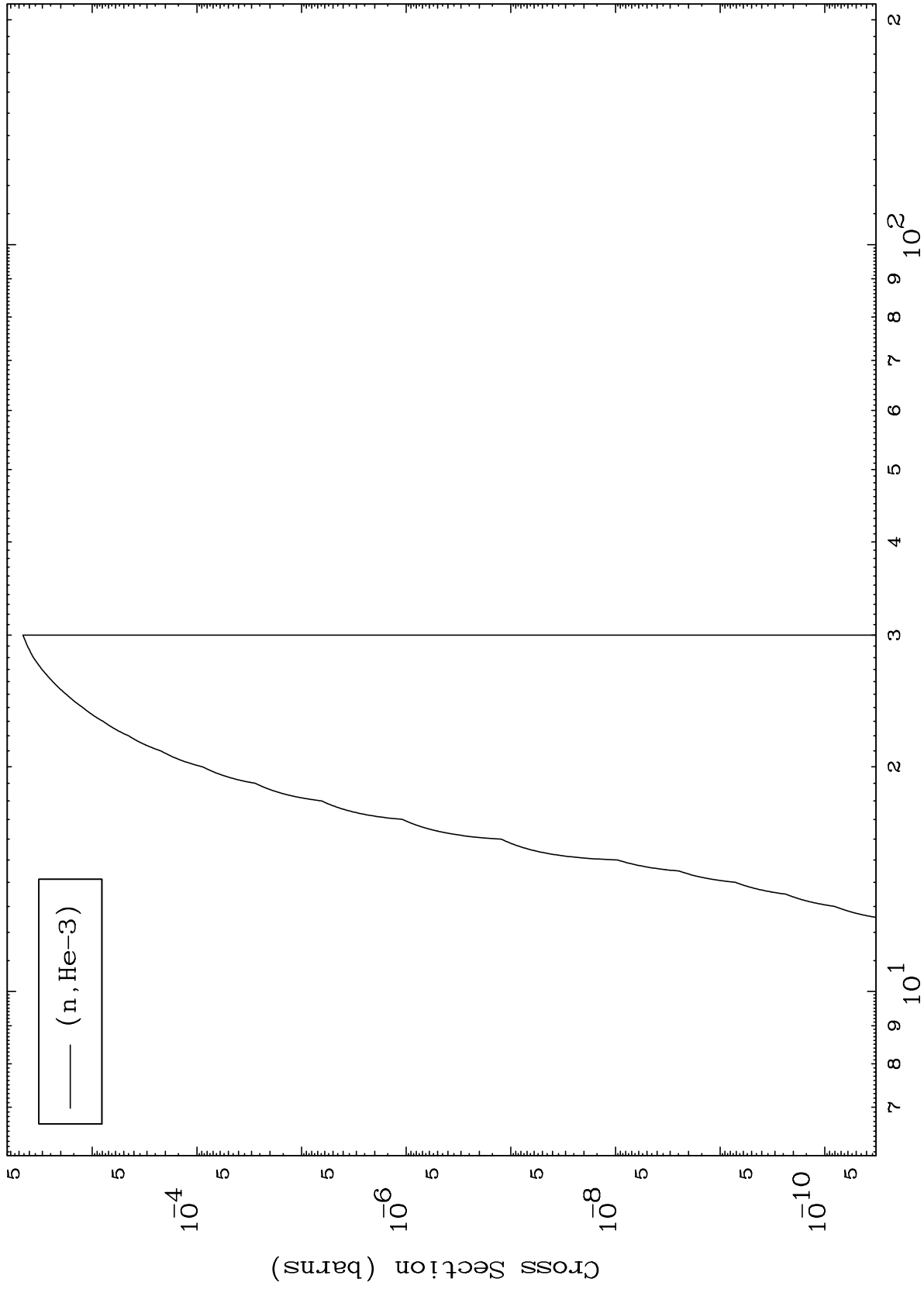
Incident Energy (MeV)

40-Zr-89

MAT 4023

(n,He3) Levels
293 Kelvin Cross Sections

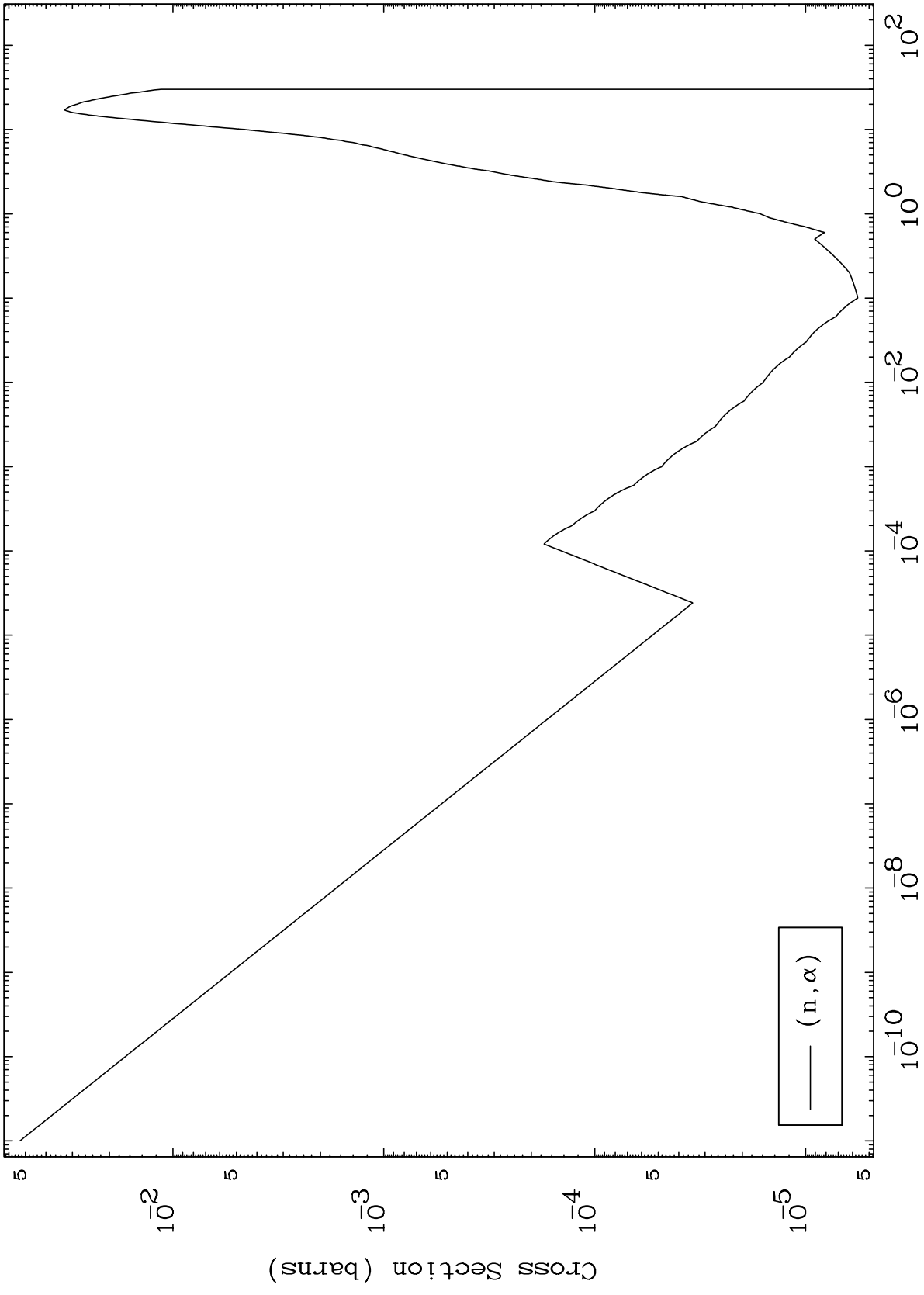
40-Zr-89



MAT 4023

(n,α) Levels
293 Kelvin Cross Sections

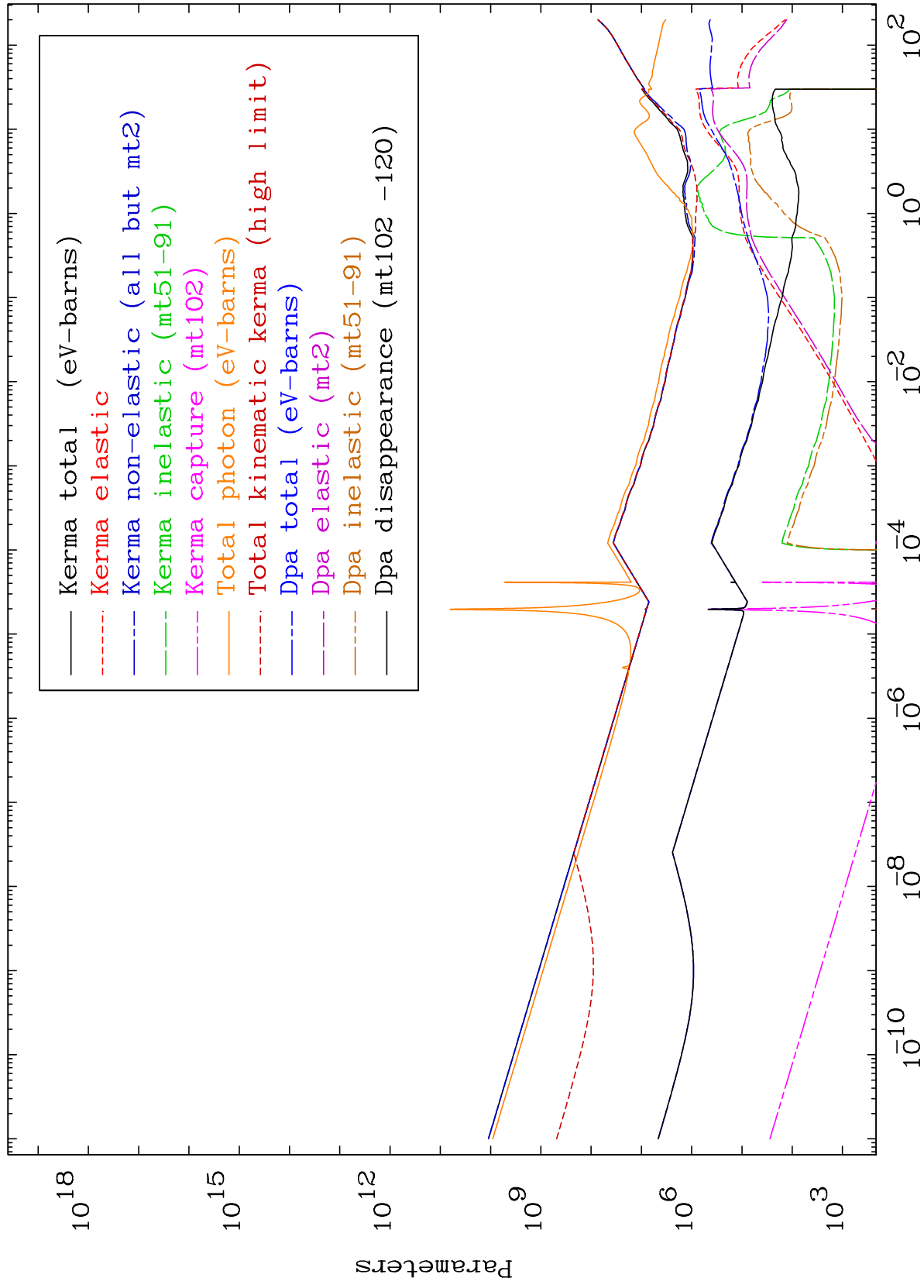
40-Zr-89



13

Incident Energy (MeV)

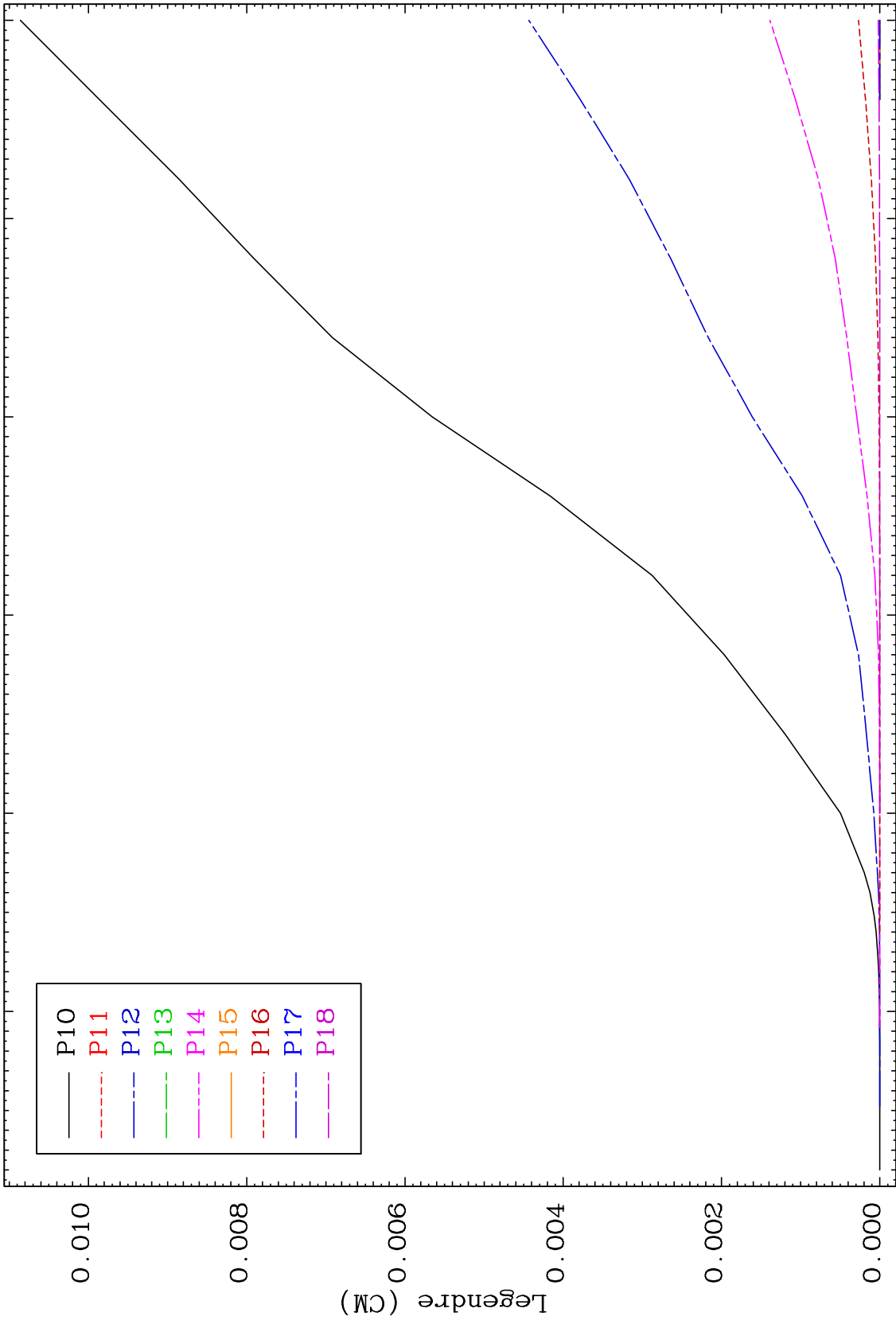
40-Zr-89



MAT 4023

Elastic Legendre Coefficients

40-Zr-89



16

40-Zr-89

MAT 4023

Elastic Legendre Coefficients

40-Zr-89



17

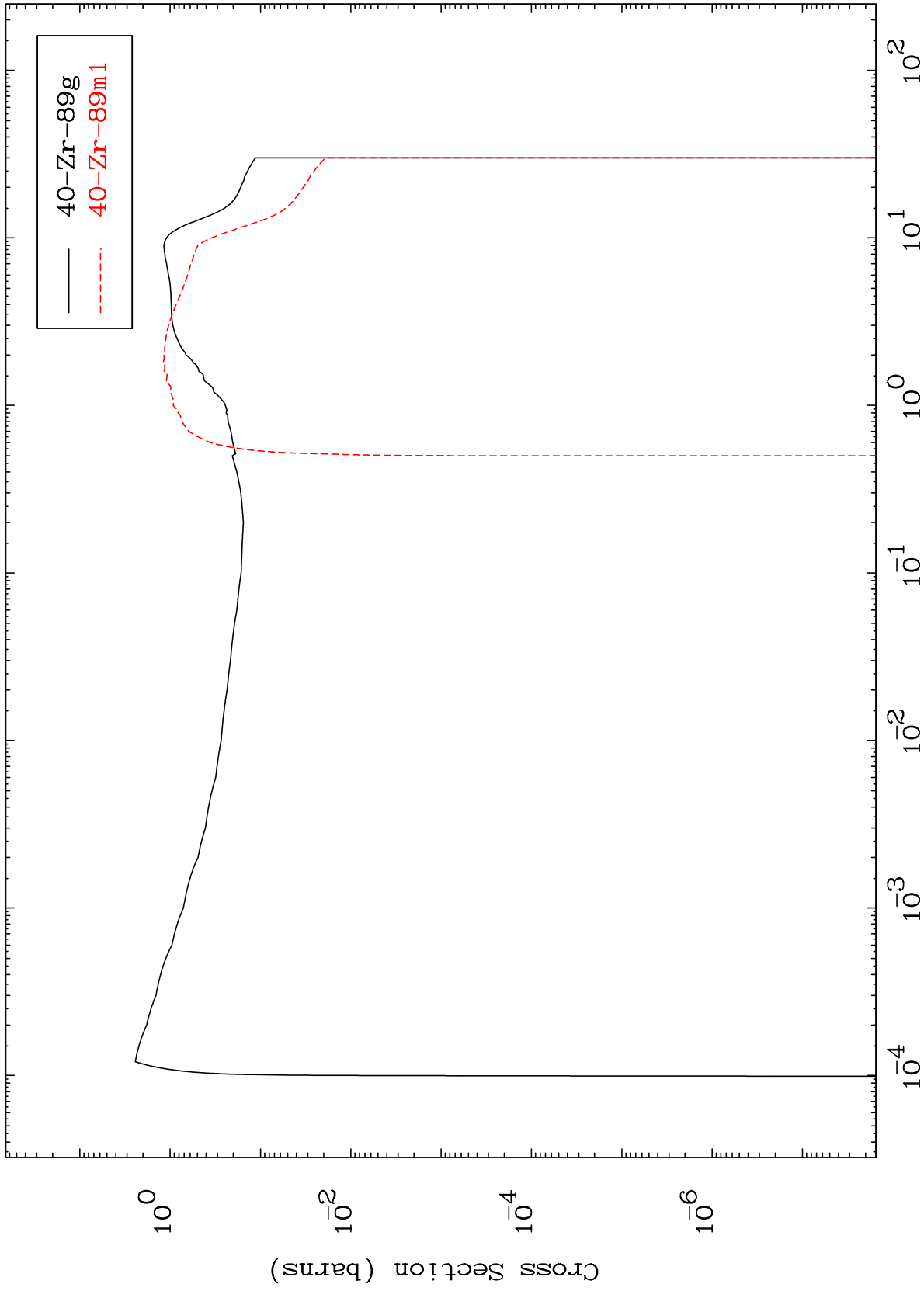
Incident Energy (MeV)

40-Zr-89

MAT 4023

Radionuclide Production Cross Section

40-Zr-89



18

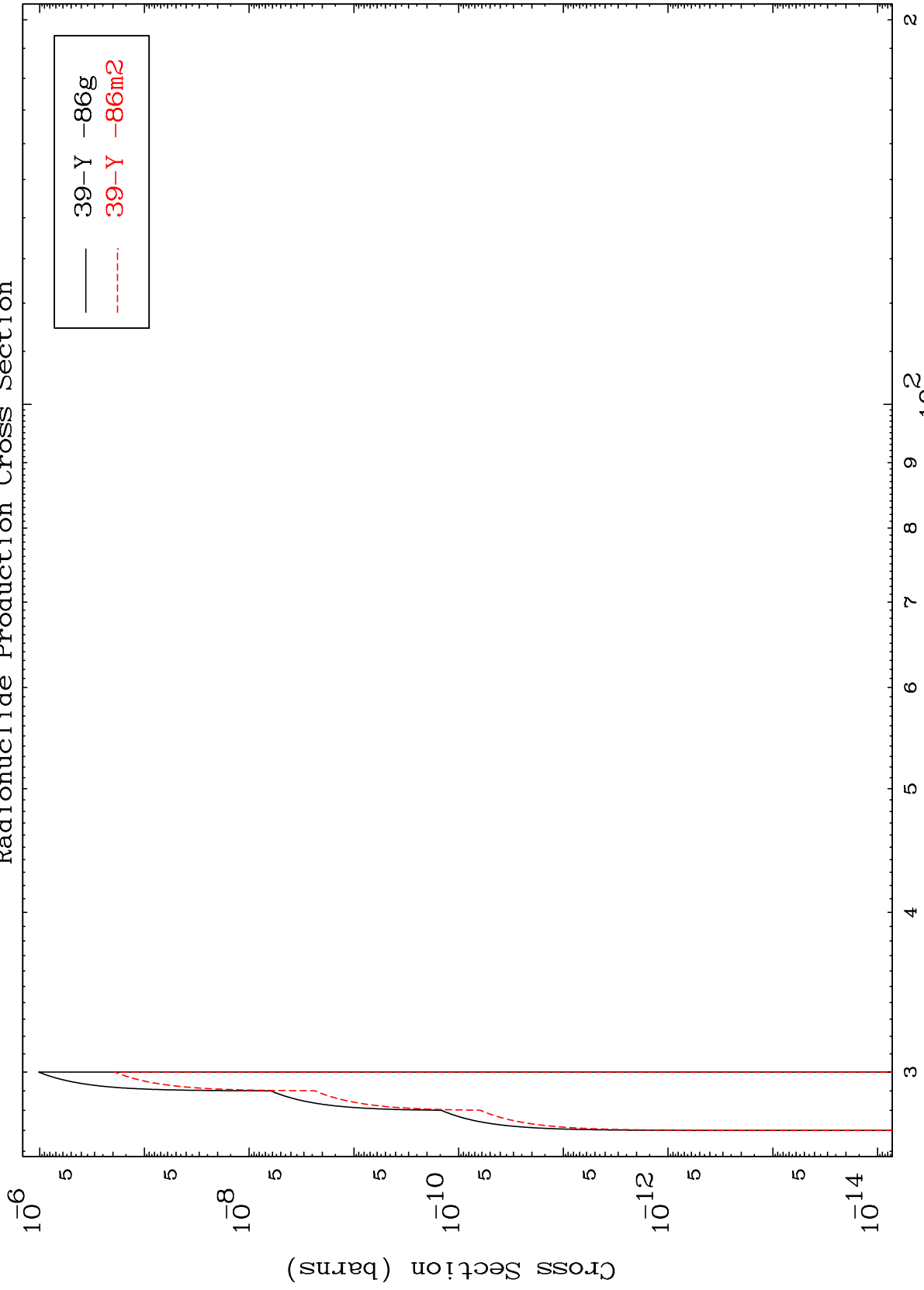
40-Zr-89

MAT 4023

(n,2n) d

40-Zr-89

Radionuclide Production Cross Section



19

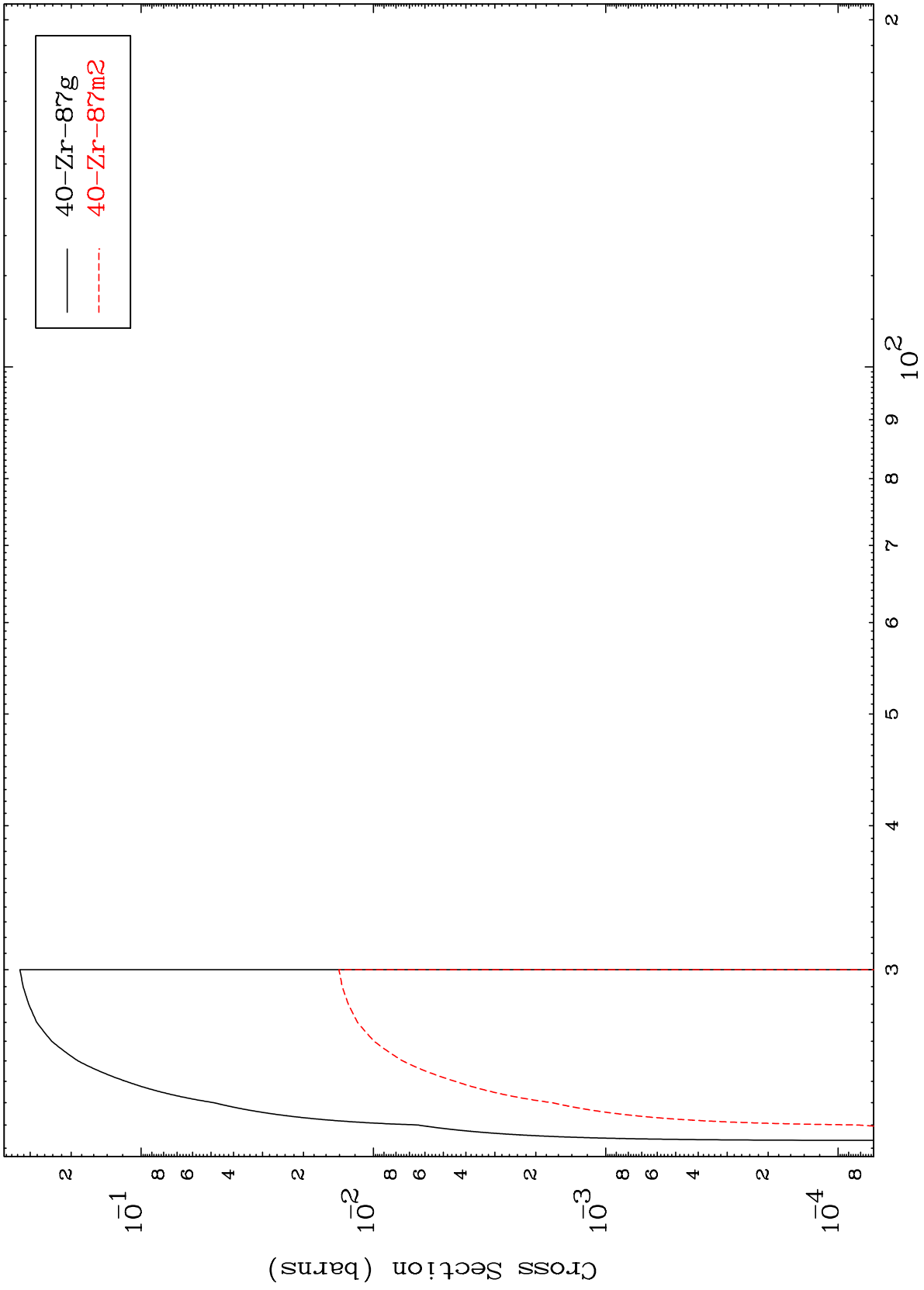
Incident Energy (MeV)

40-Zr-89

MAT 4023

40-Zr-89

(n,3n)
Radionuclide Production Cross Section



20

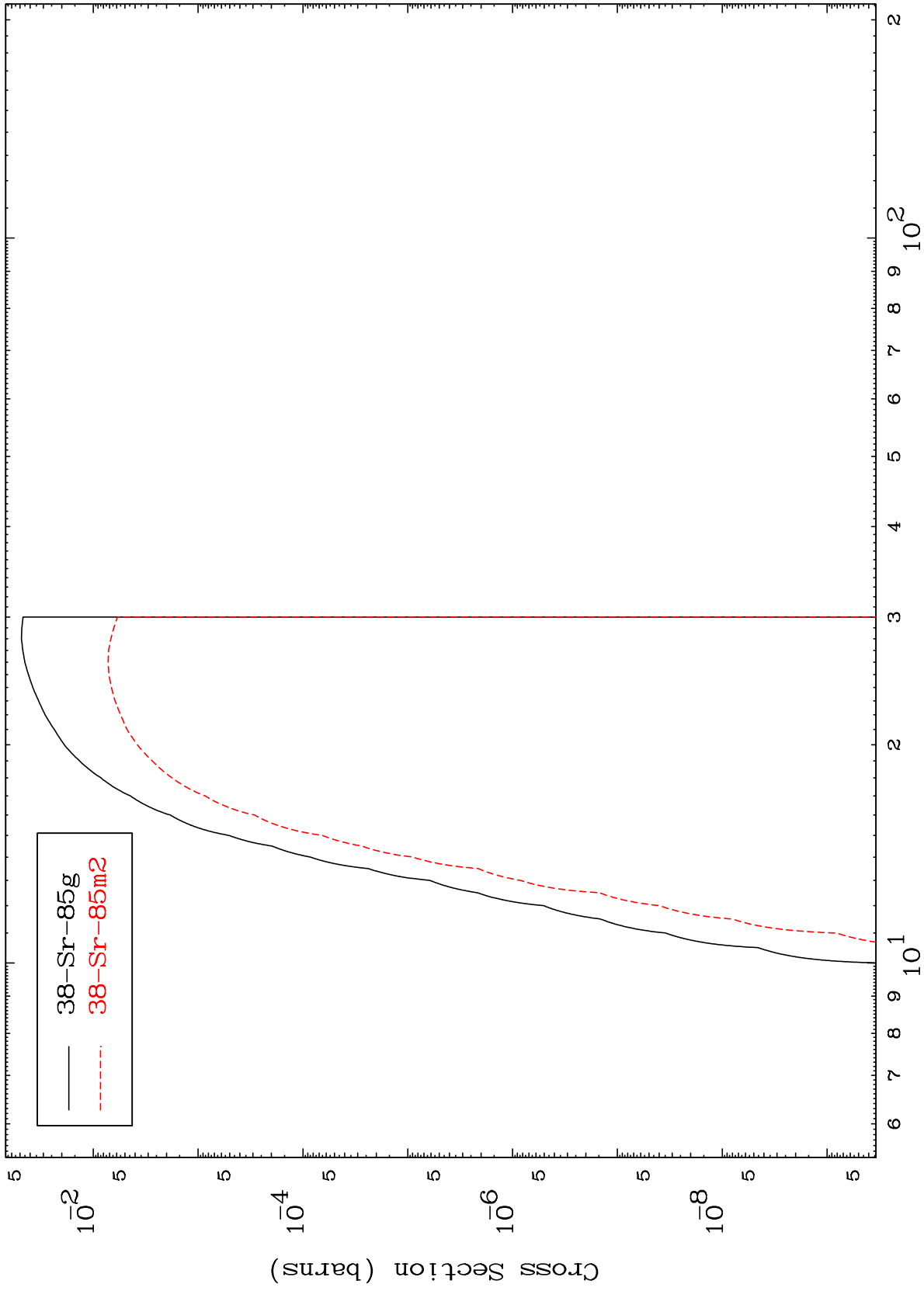
40-Zr-89

MAT 4023

(n,n') α

40-Zr-89

Radionuclide Production Cross Section



21

Incident Energy (MeV)

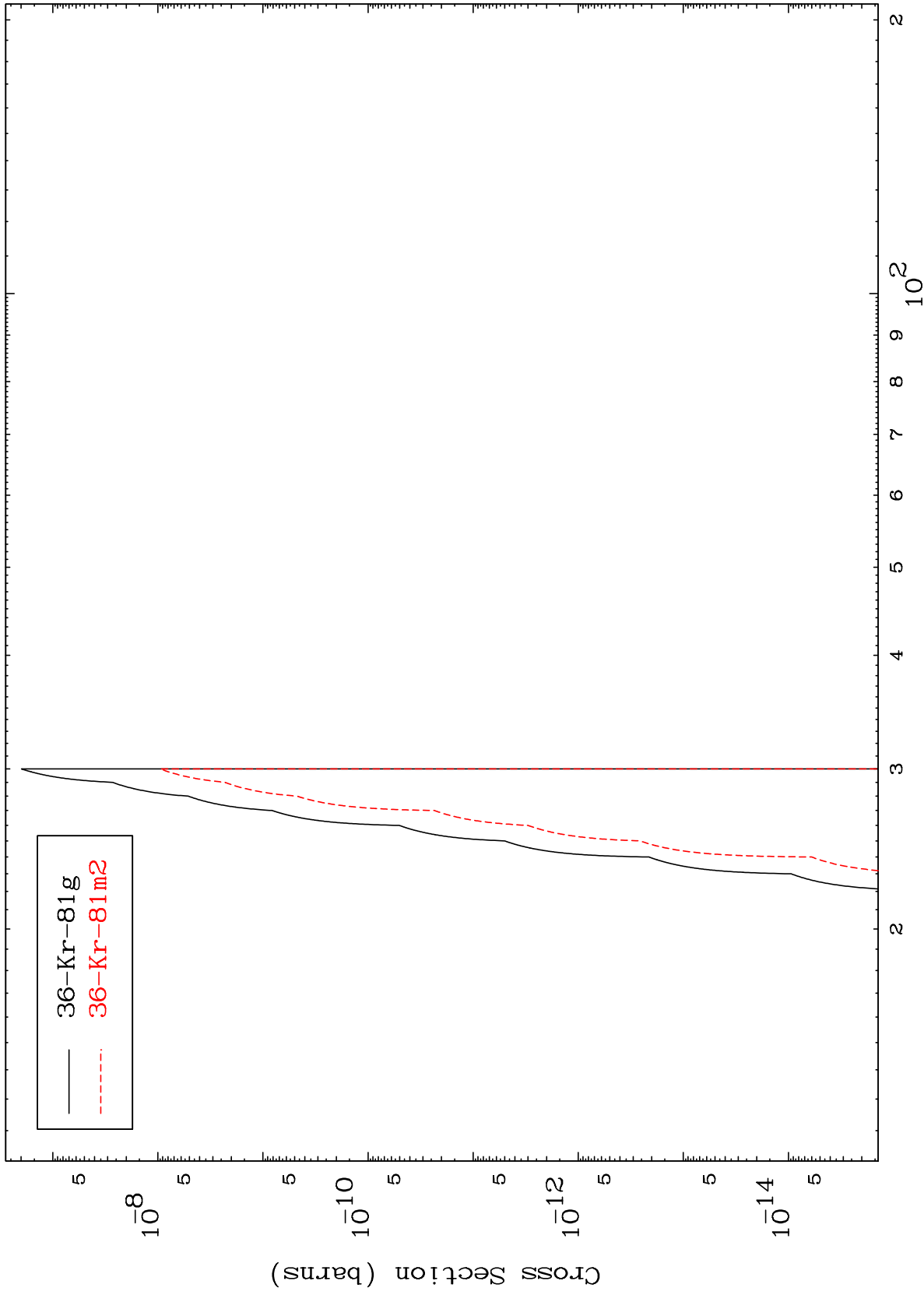
40-Zr-89

MAT 4023

(n,n') 2 α

40-Zr-89

Radionuclide Production Cross Section



22

Incident Energy (MeV)

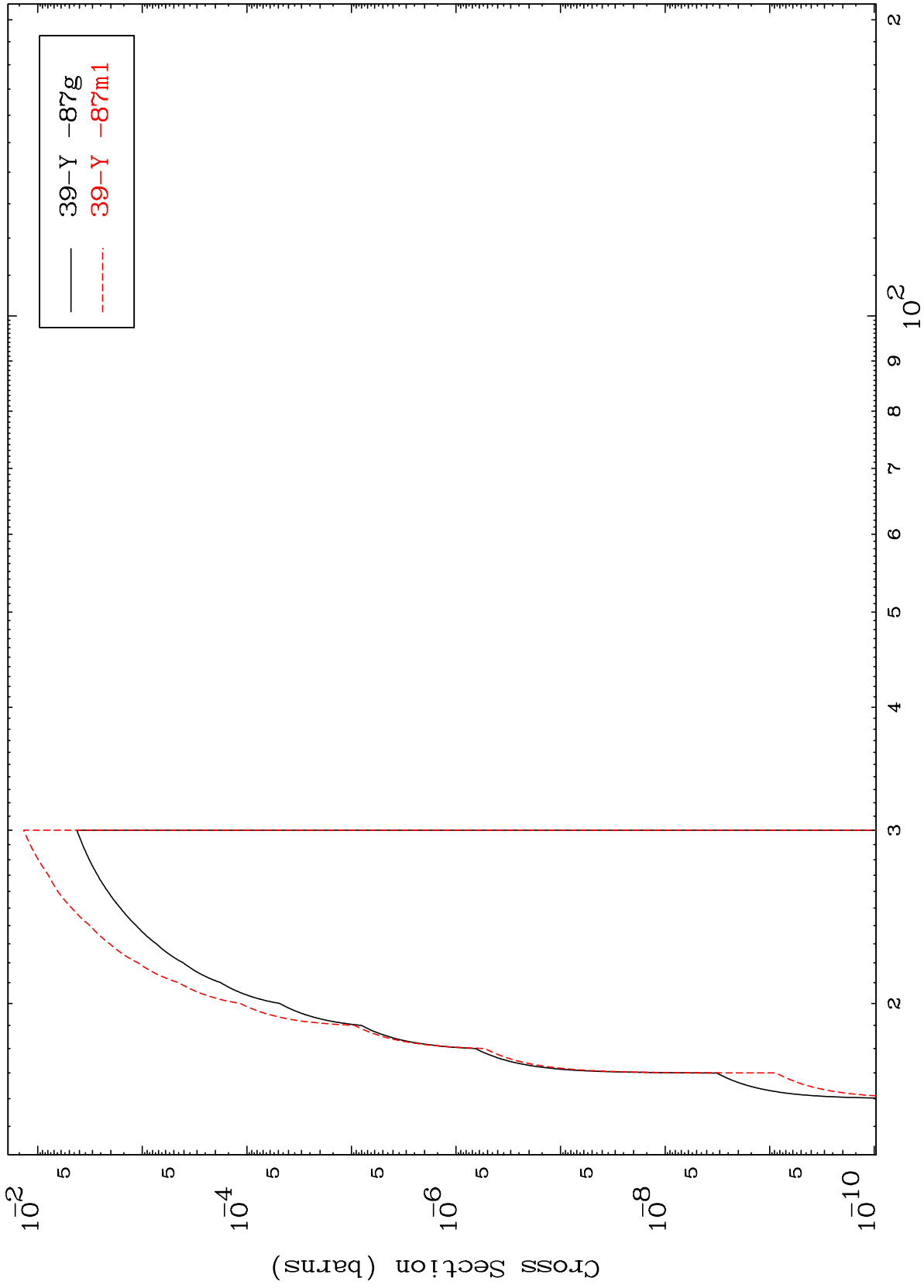
40-Zr-89

MAT 4023

(n,n') d

40-Zr-89

Radionuclide Production Cross Section



23

Incident Energy (MeV)

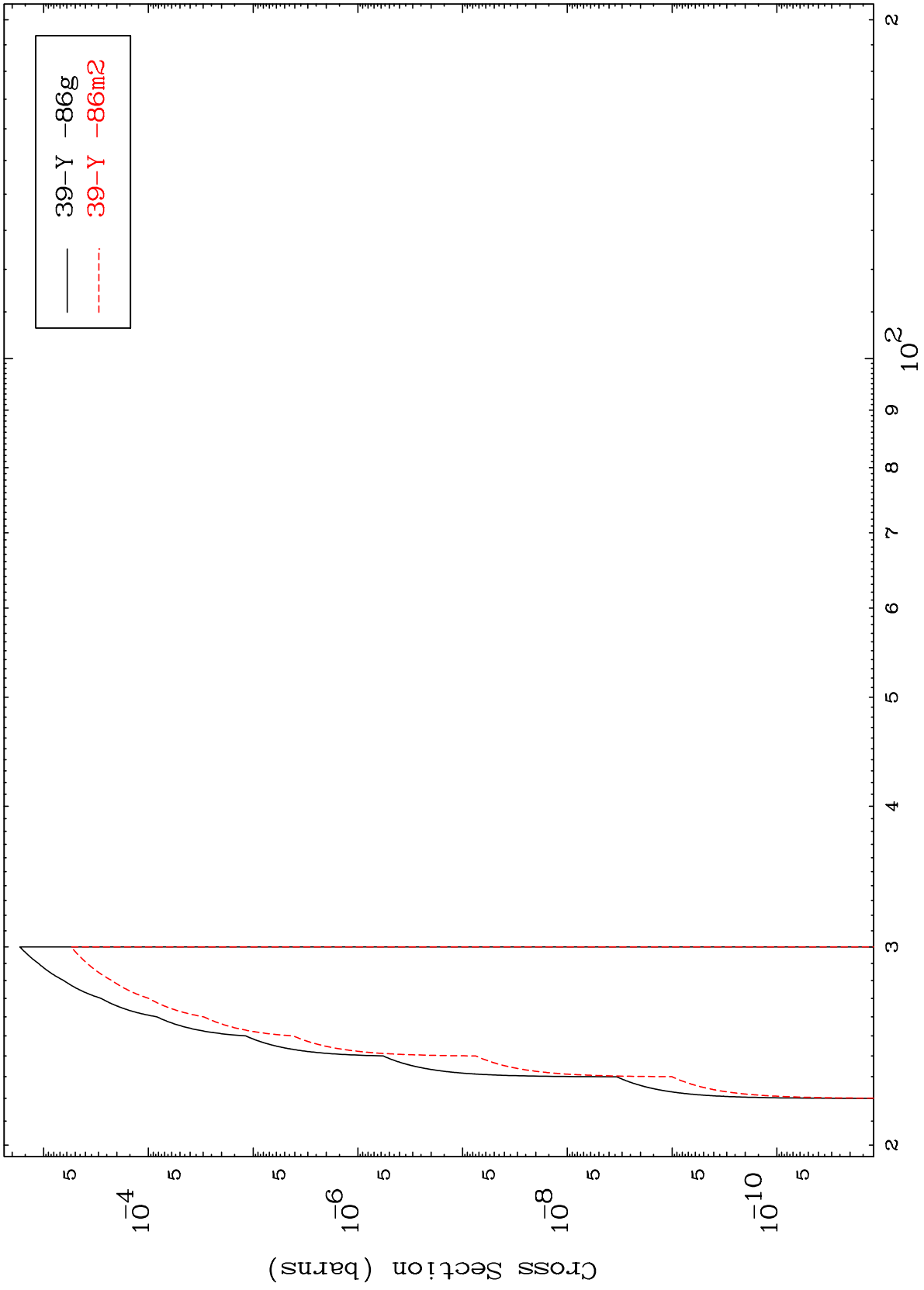
40-Zr-89

MAT 4023

(n,n') t

40-Zr-89

Radionuclide Production Cross Section



24

Incident Energy (MeV)

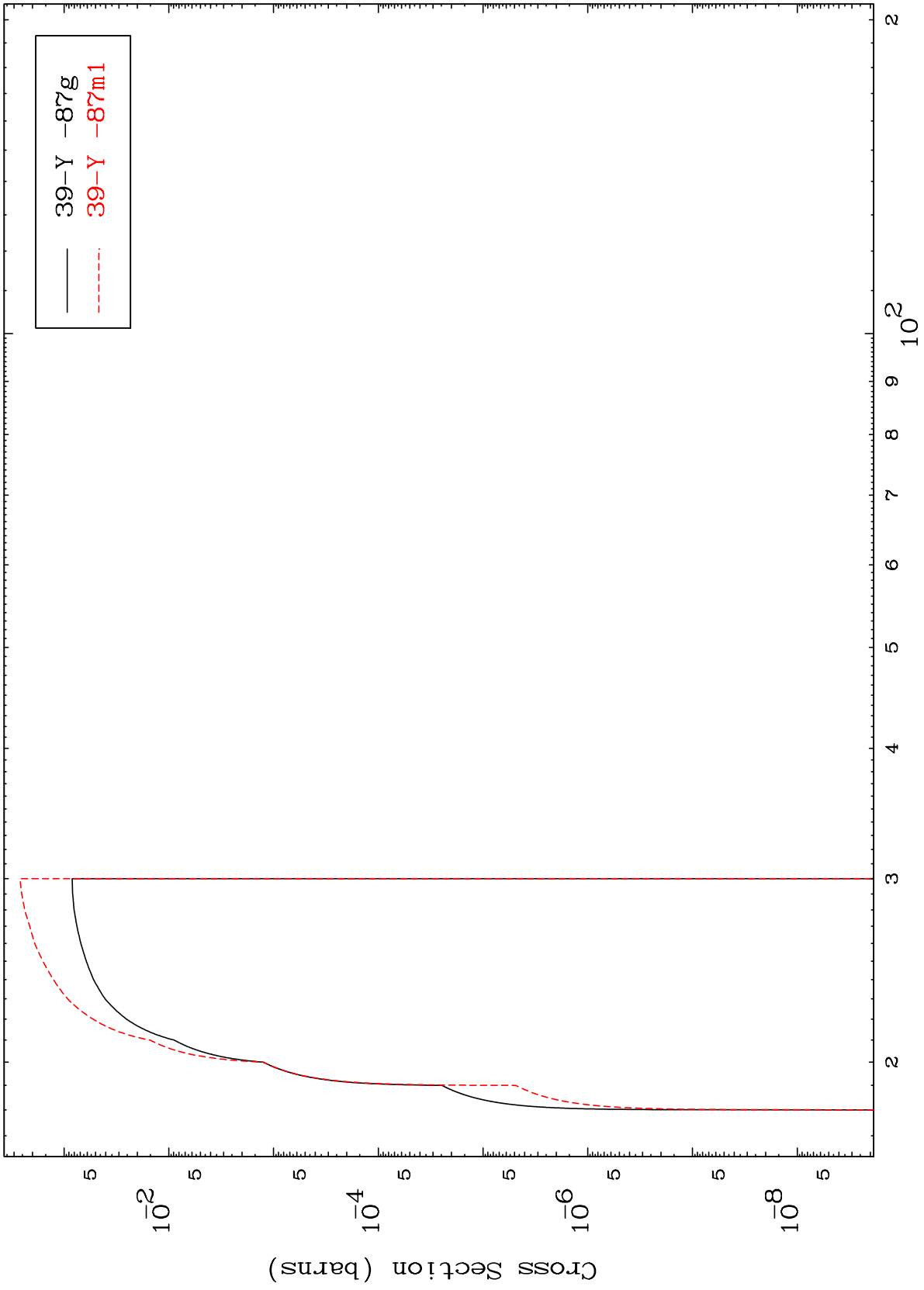
40-Zr-89

MAT 4023

(n,2n) p

40-Zr-89

Radionuclide Production Cross Section



25

Incident Energy (MeV)

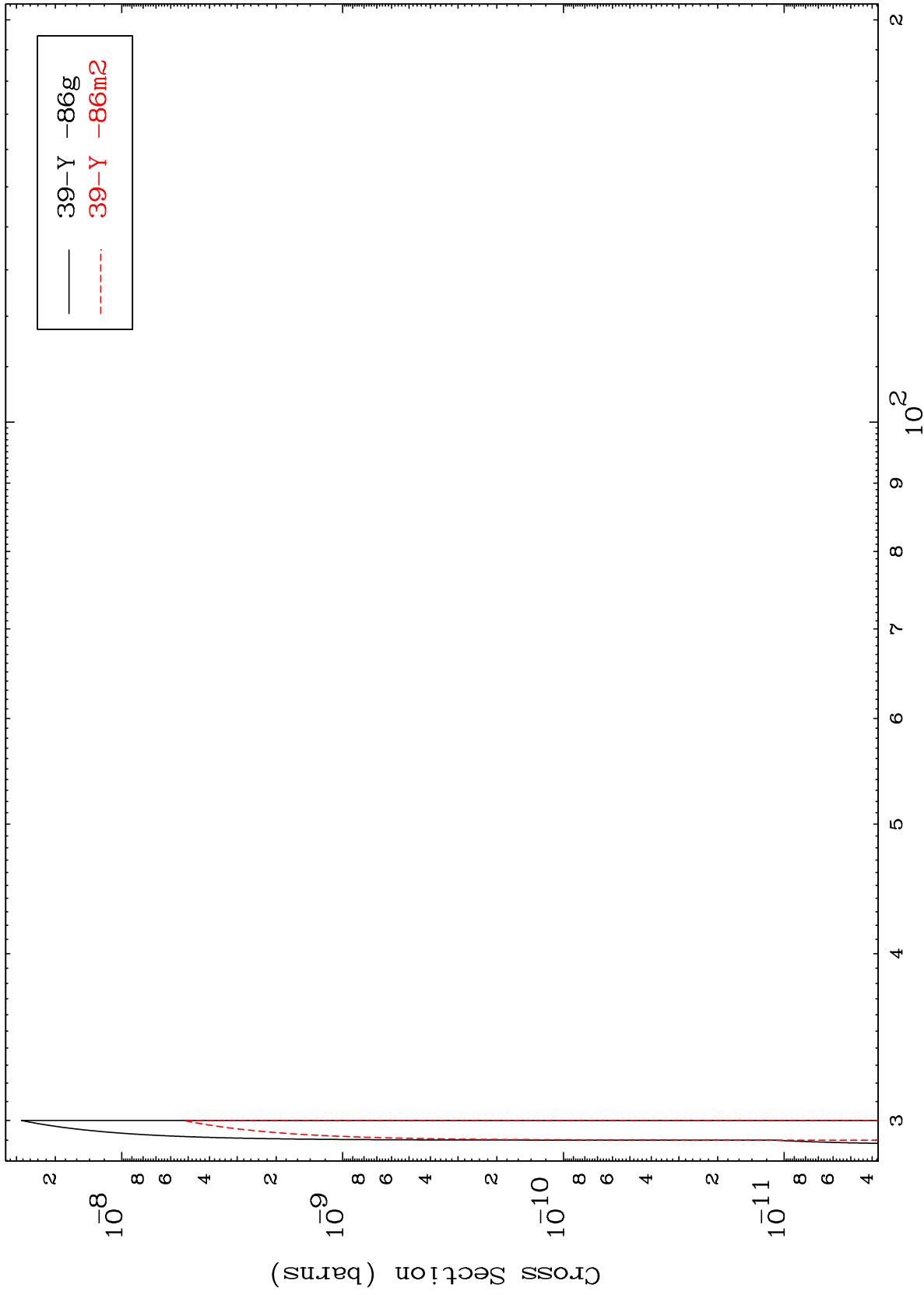
40-Zr-89

MAT 4023

(n,3n) p

40-Zr-89

Radionuclide Production Cross Section



26

Incident Energy (MeV)

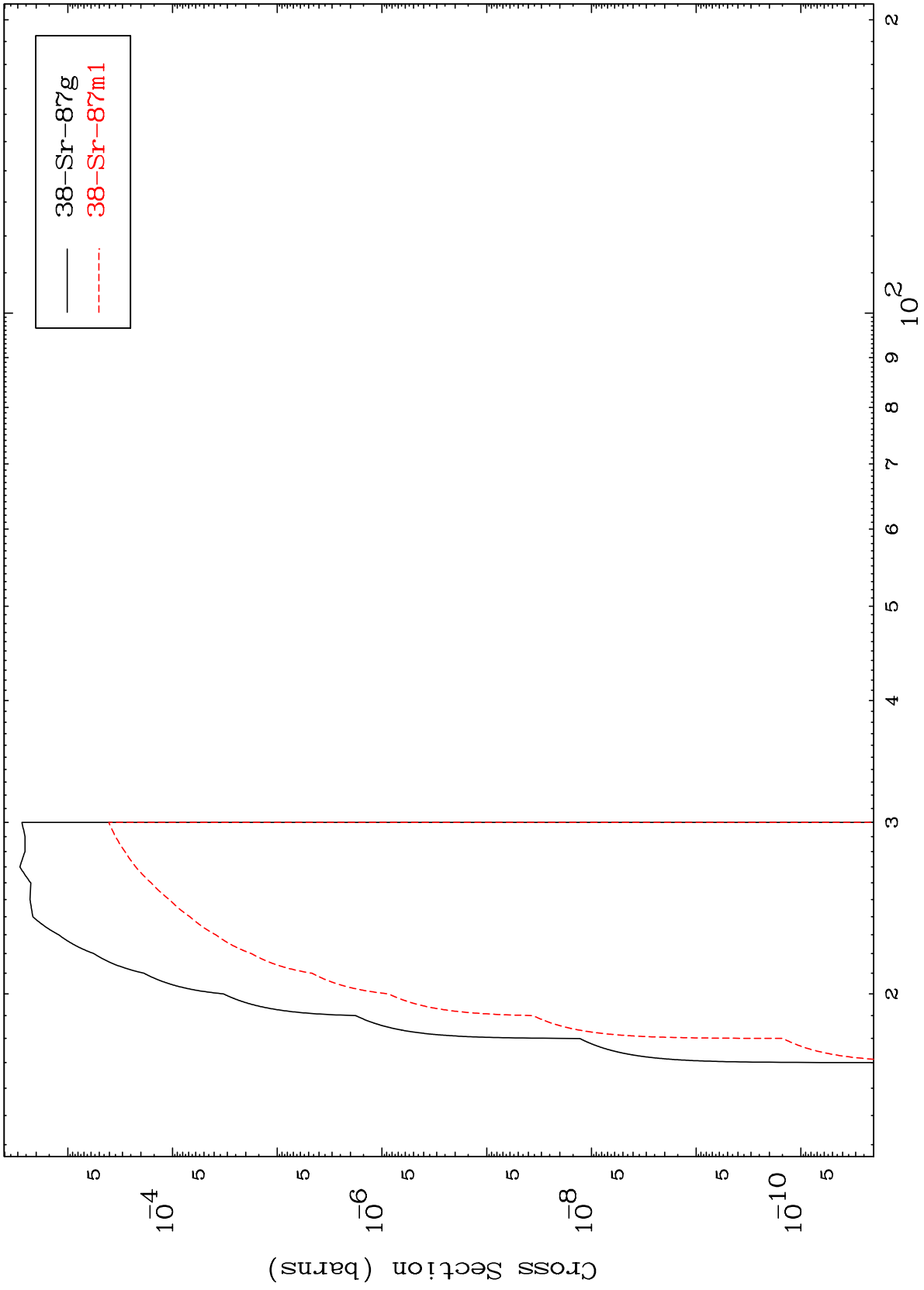
40-Zr-89

MAT 4023

(n,2n) p

40-Zr-89

Radionuclide Production Cross Section



27

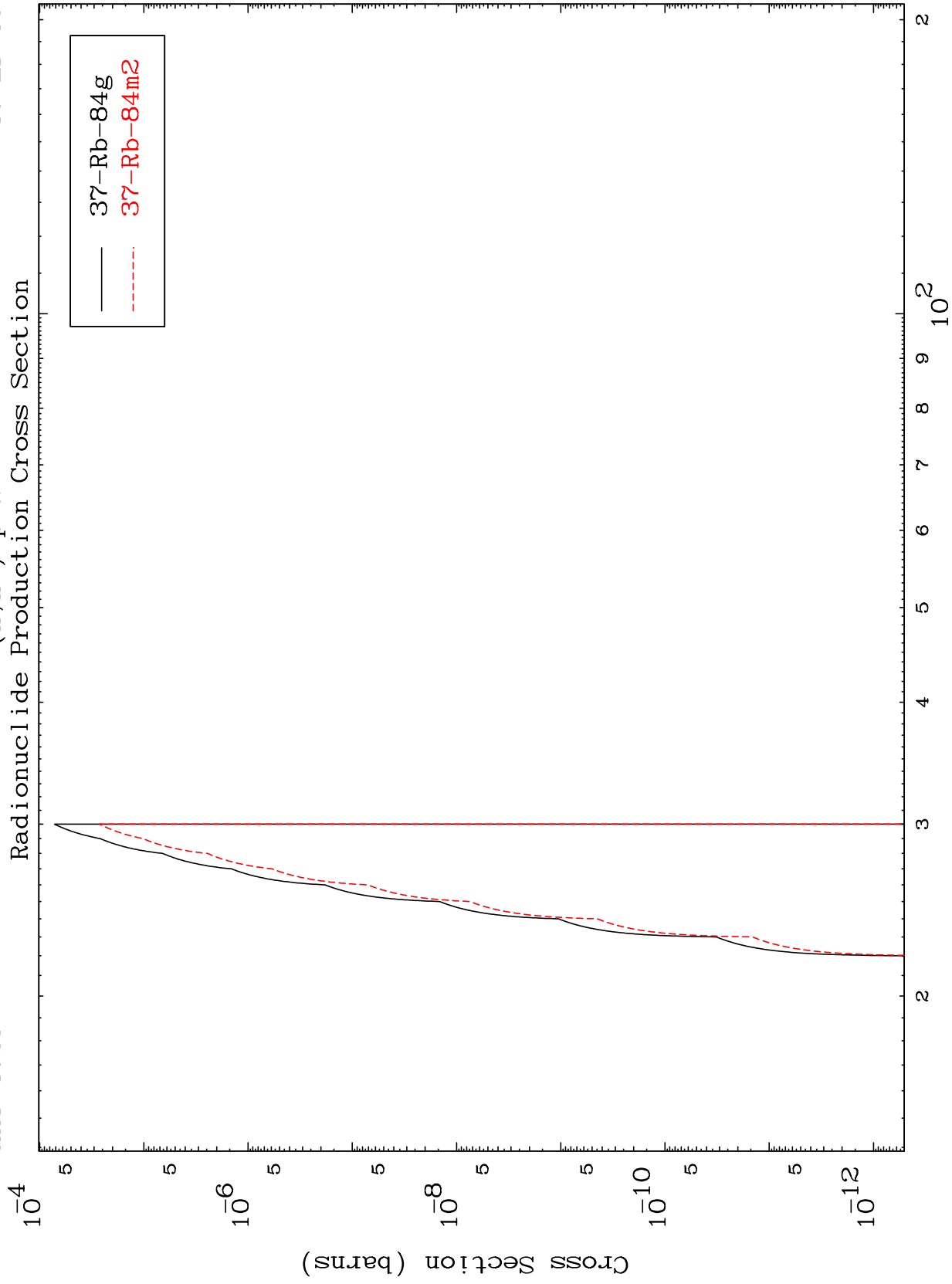
Incident Energy (MeV)

40-Zr-89

MAT 4023

40-Zr-89

(n,n') p α
Radionuclide Production Cross Section



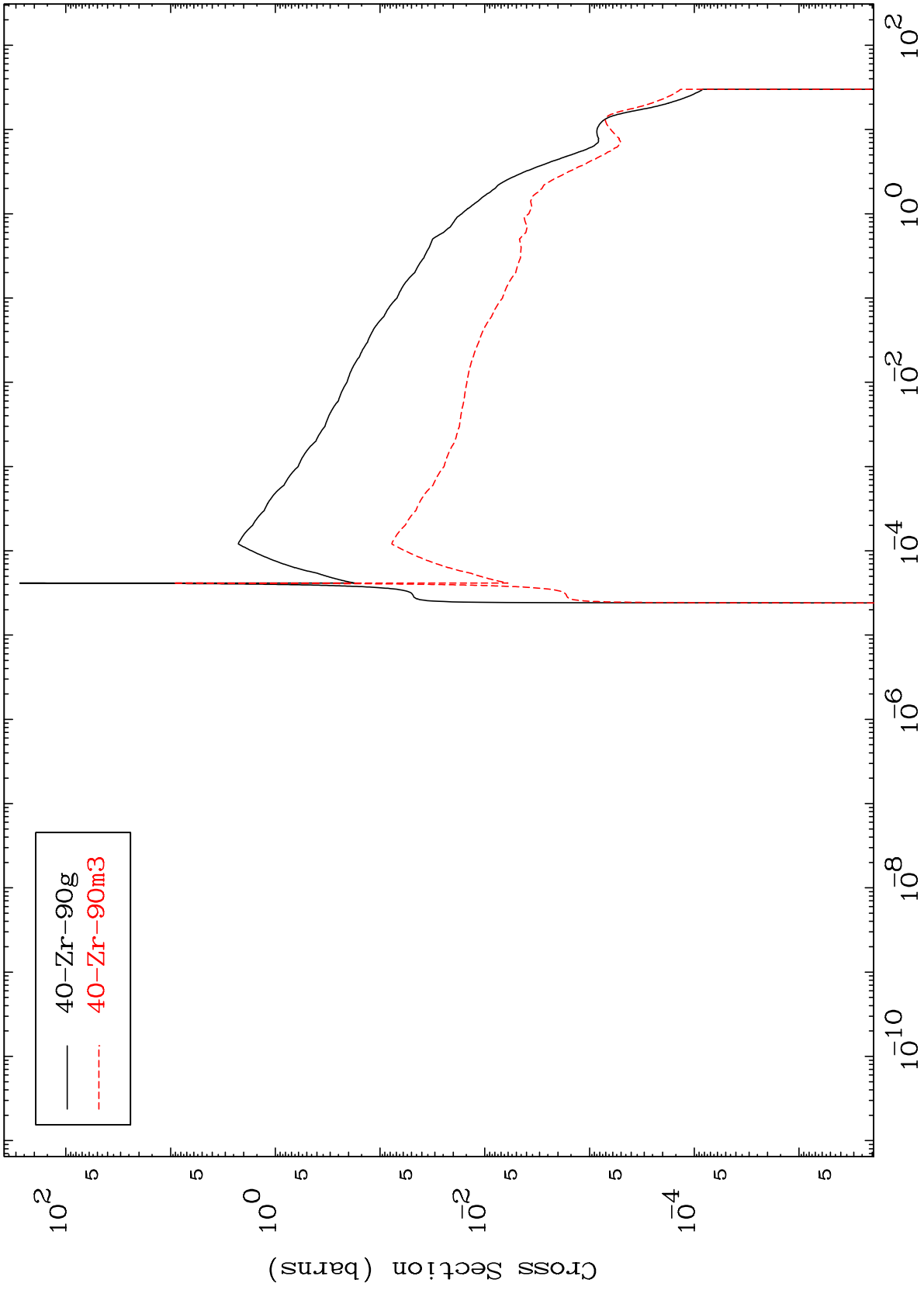
28

40-Zr-89

MAT 4023

40-Zr-89

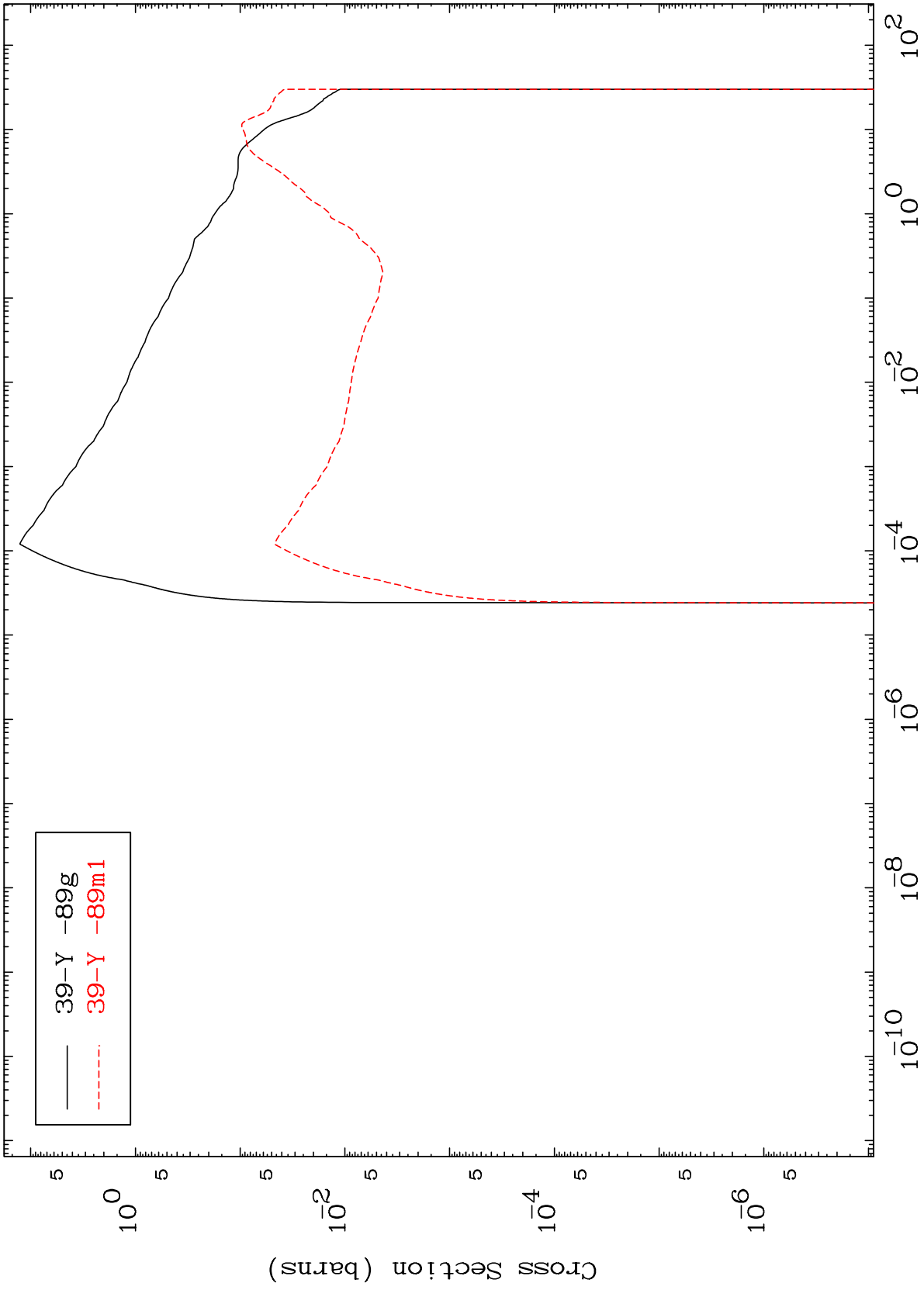
Radionuclide Production Cross Section (n,γ)



MAT 4023

(n,p)
Radionuclide Production Cross Section

40-Zr-89



— 39-Y -89g
- - - 39-Y -89m1

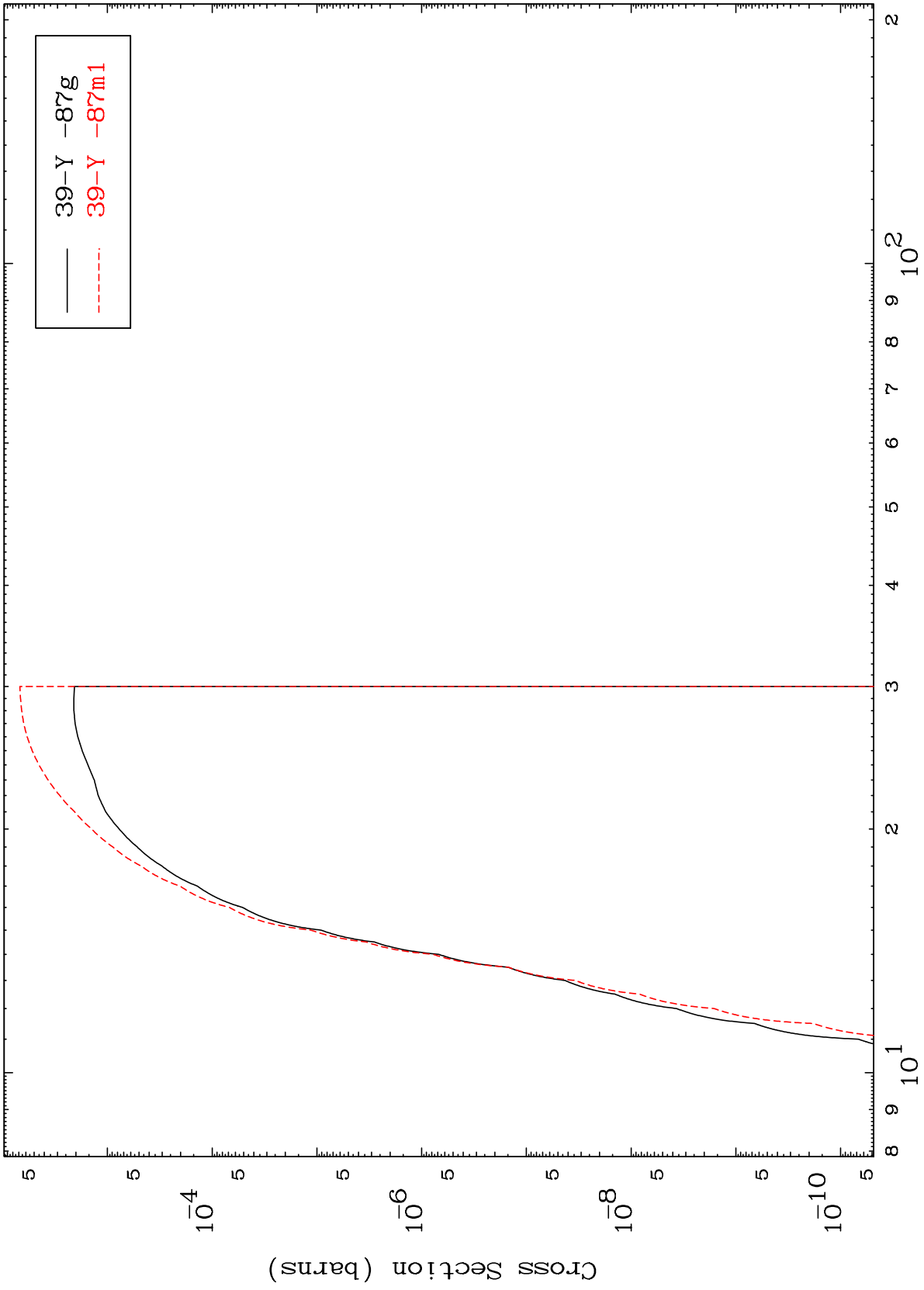
30

40-Zr-89

MAT 4023

40-Zr-89

(n, t)
Radionuclide Production Cross Section



31

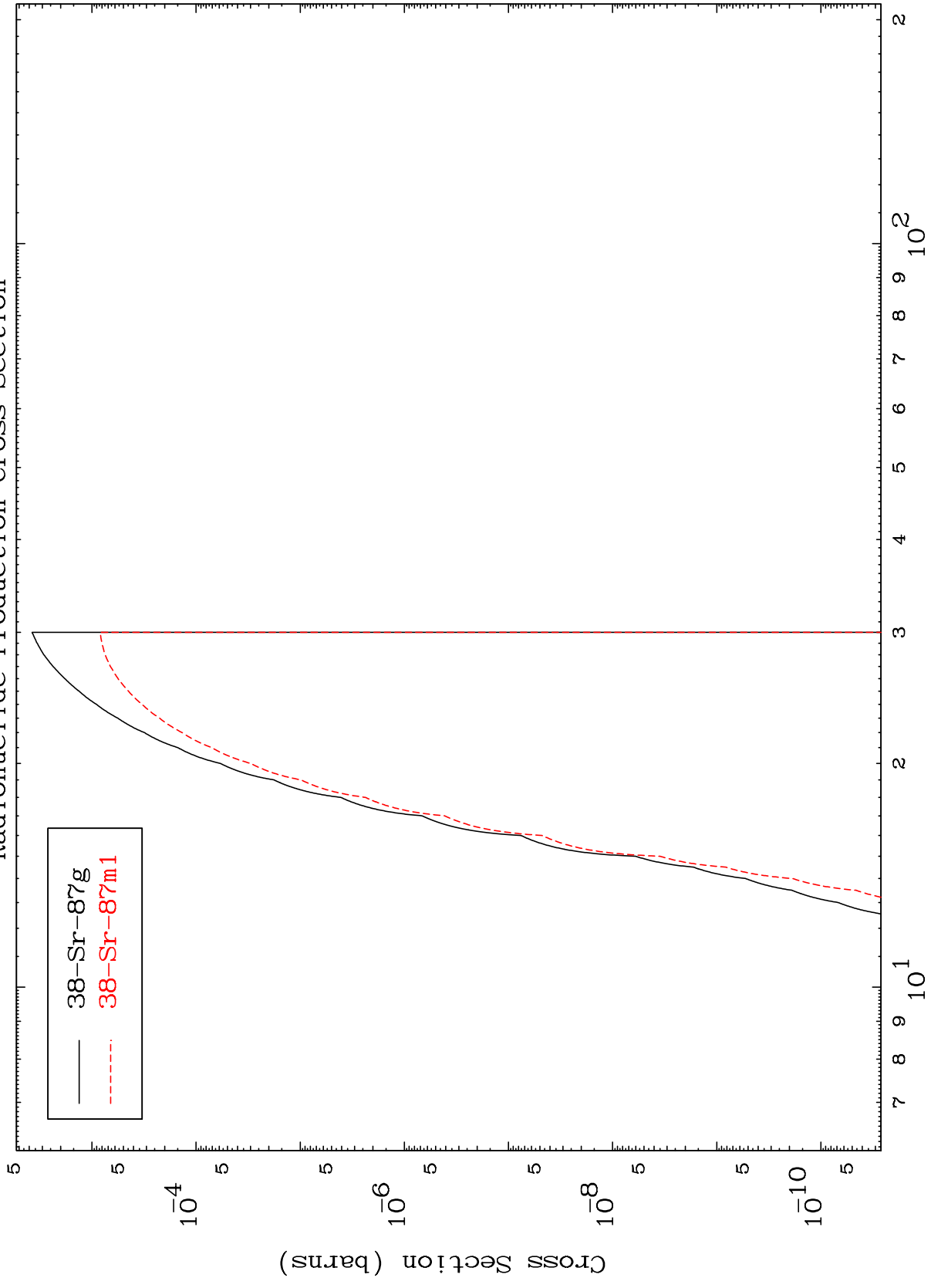
40-Zr-89

MAT 4023

(n,He-3)

40-Zr-89

Radionuclide Production Cross Section



Legend:
— 38-Sr-87g
- - - 38-Sr-87m1

32

Incident Energy (MeV)

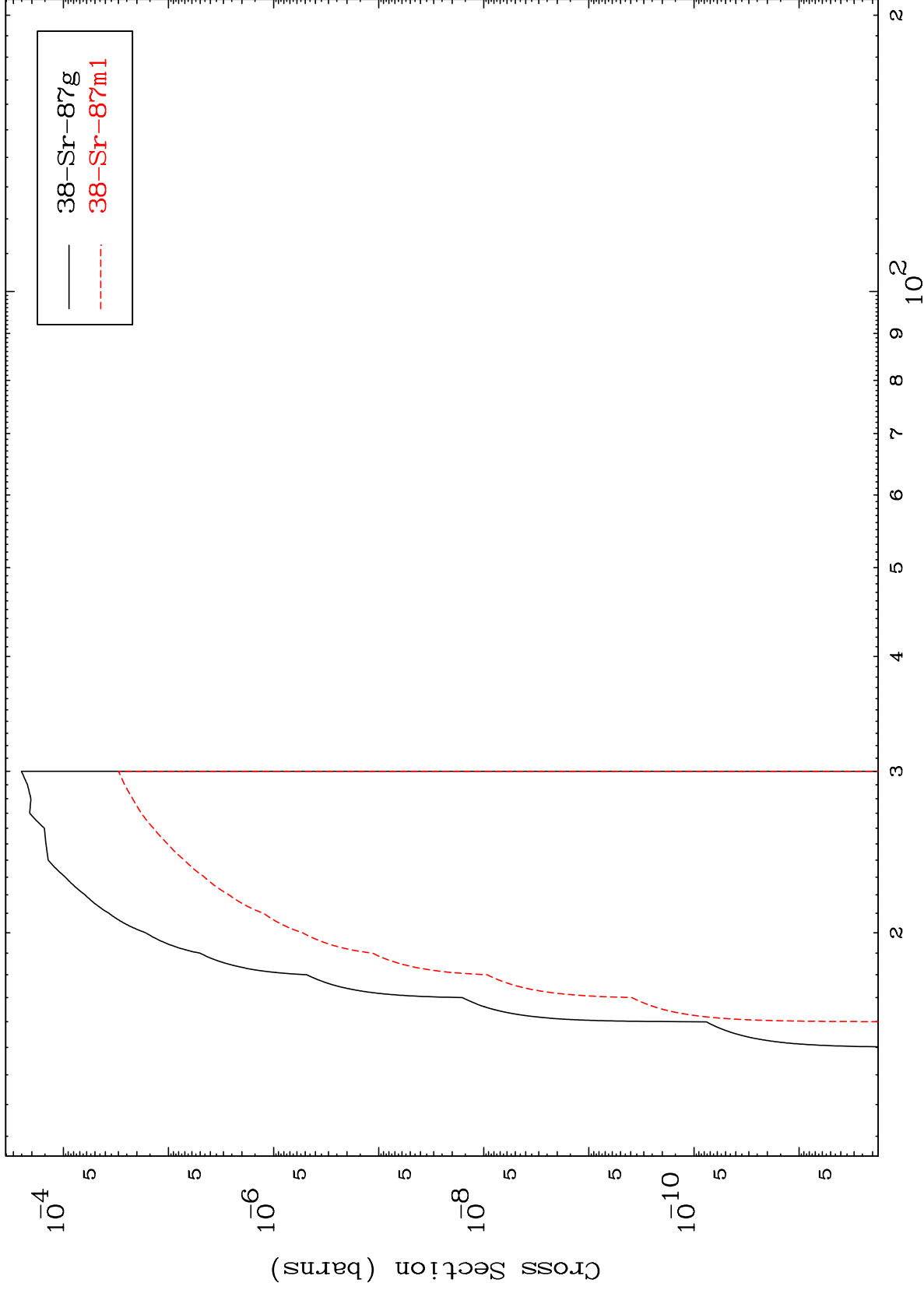
40-Zr-89

MAT 4023

(n,p) d

40-Zr-89

Radionuclide Production Cross Section



33

Incident Energy (MeV)

40-Zr-89

MAT 4023

(n,d) α

40-Zr-89

Radionuclide Production Cross Section

