

Program EVALPLOT
(Version 2018-1)

by

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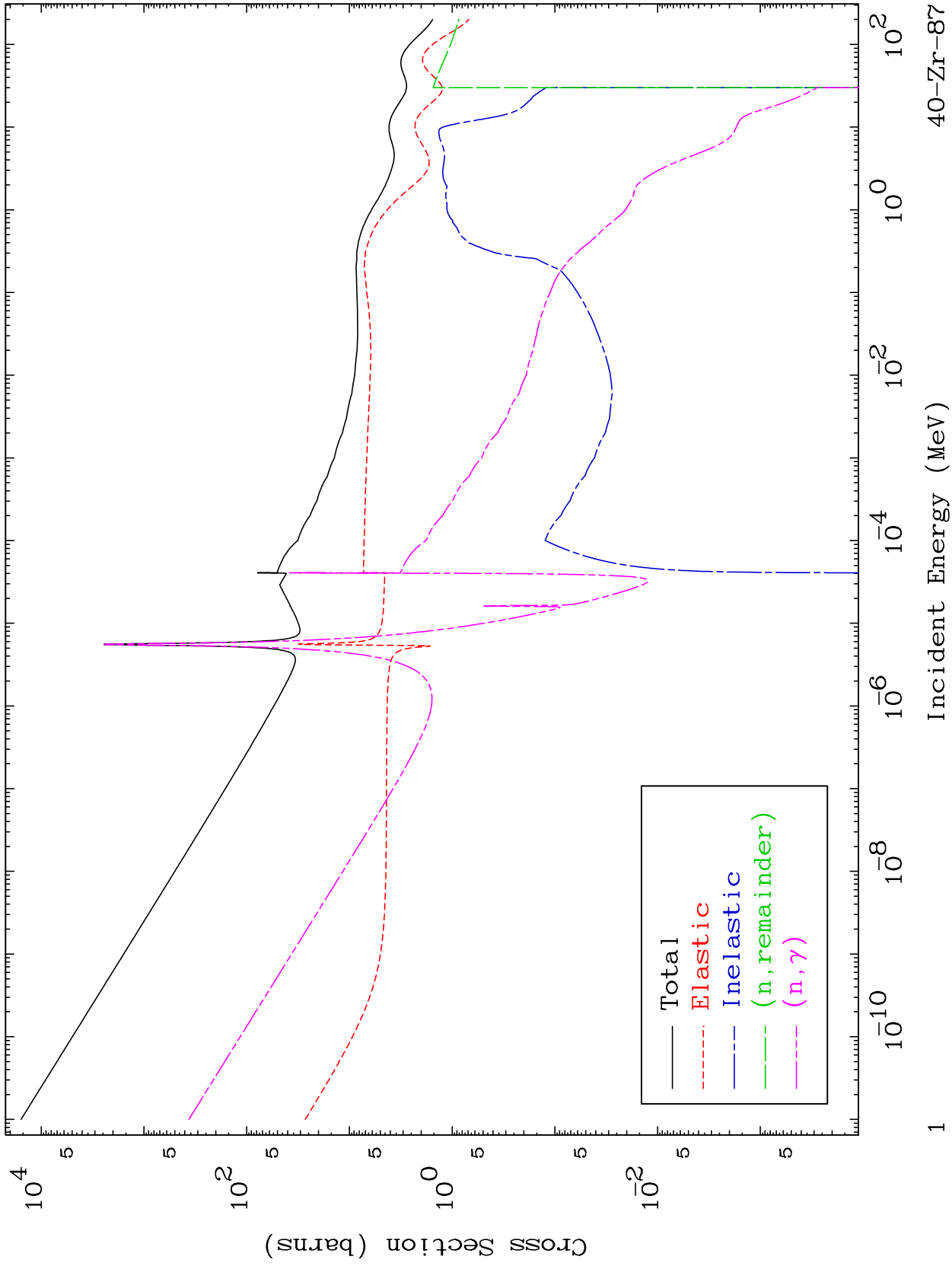
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4017

Major
293 Kelvin Cross Sections

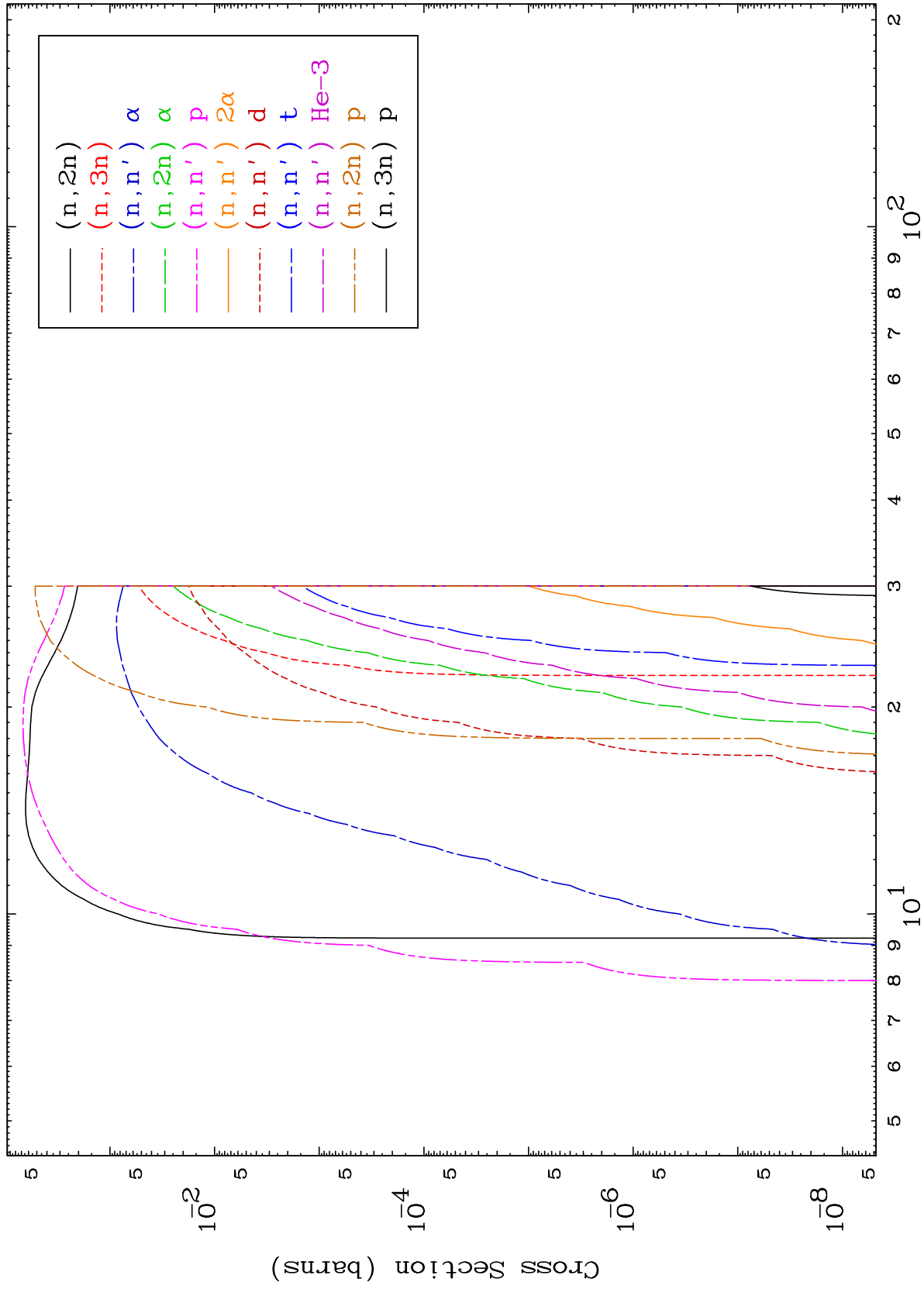
40-Zr-87



MAT 4017

Neutron Production
293 Kelvin Cross Sections

40-Zr-87



2

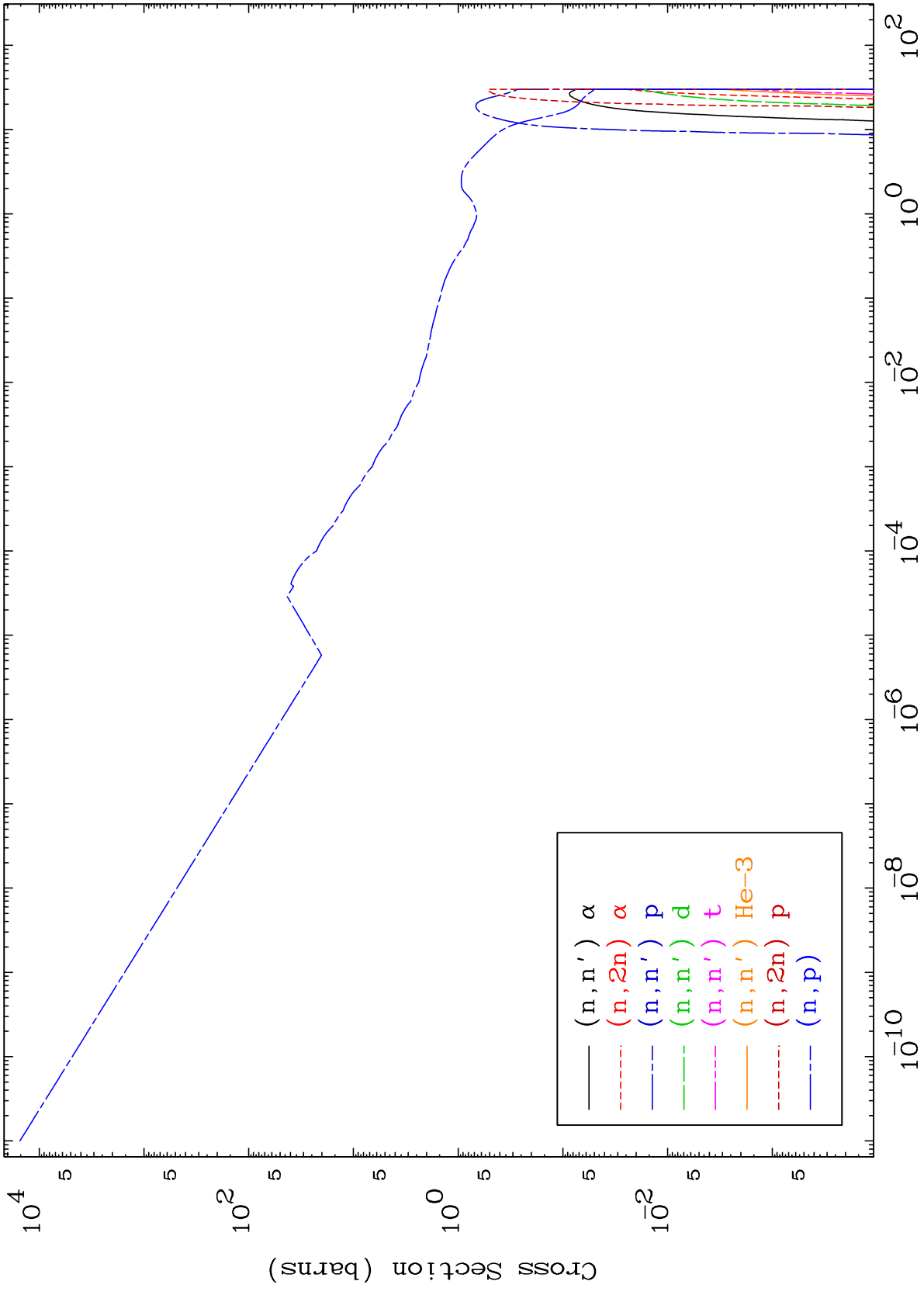
Incident Energy (MeV)

40-Zr-87

MAT 4017

293 Kelvin Cross Sections

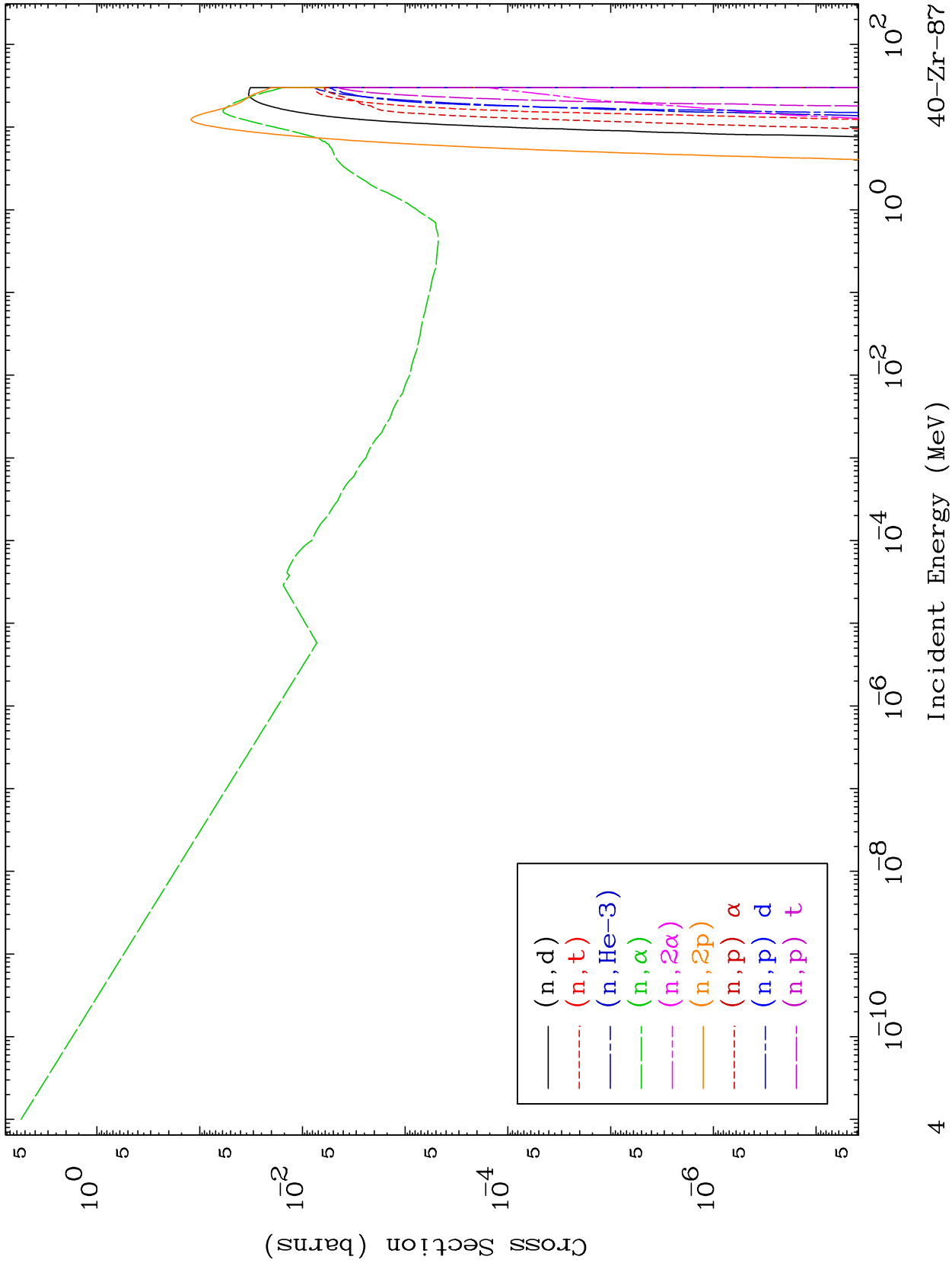
40-Zr-87



MAT 4017

293 Kelvin Cross Sections

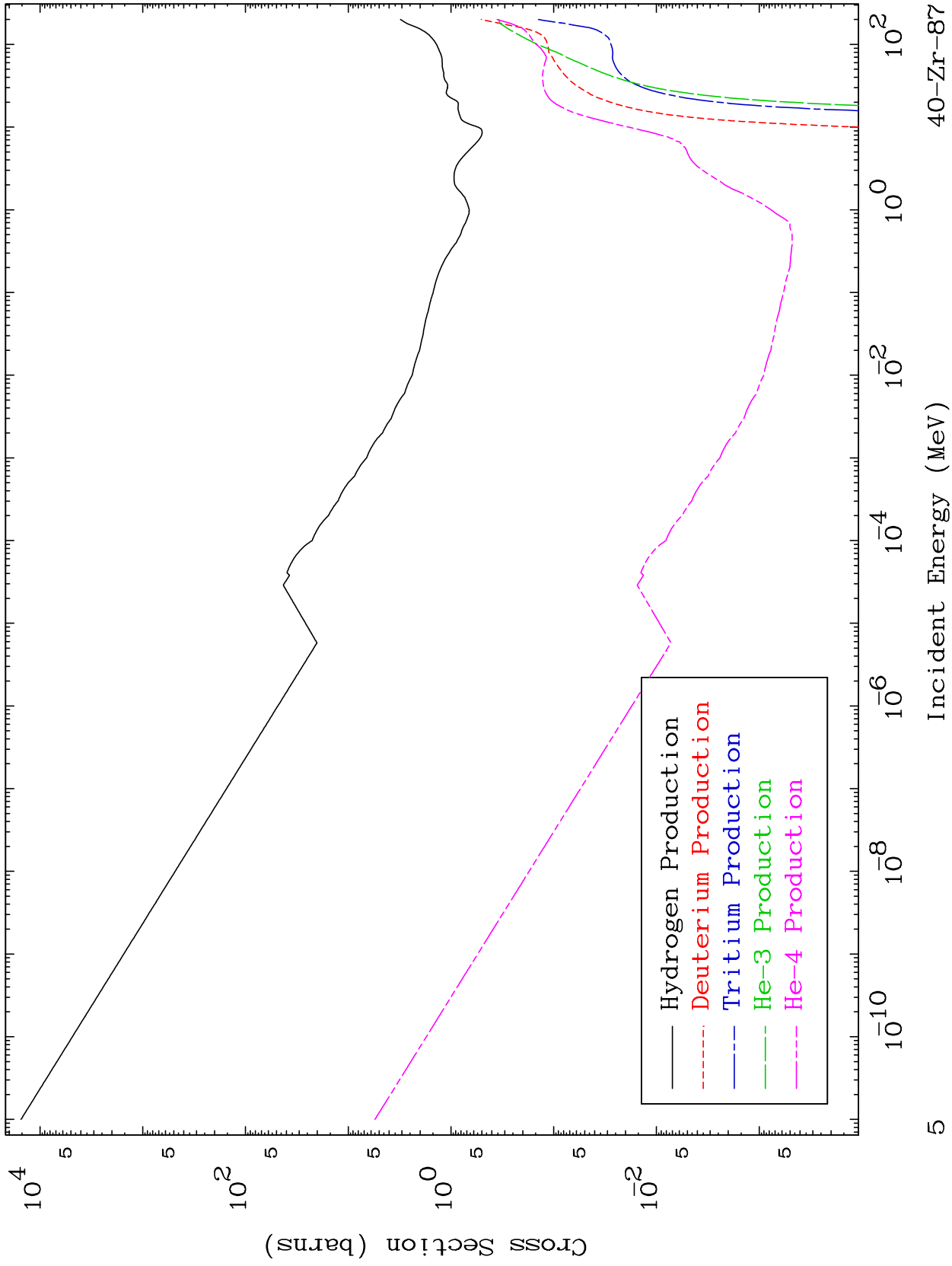
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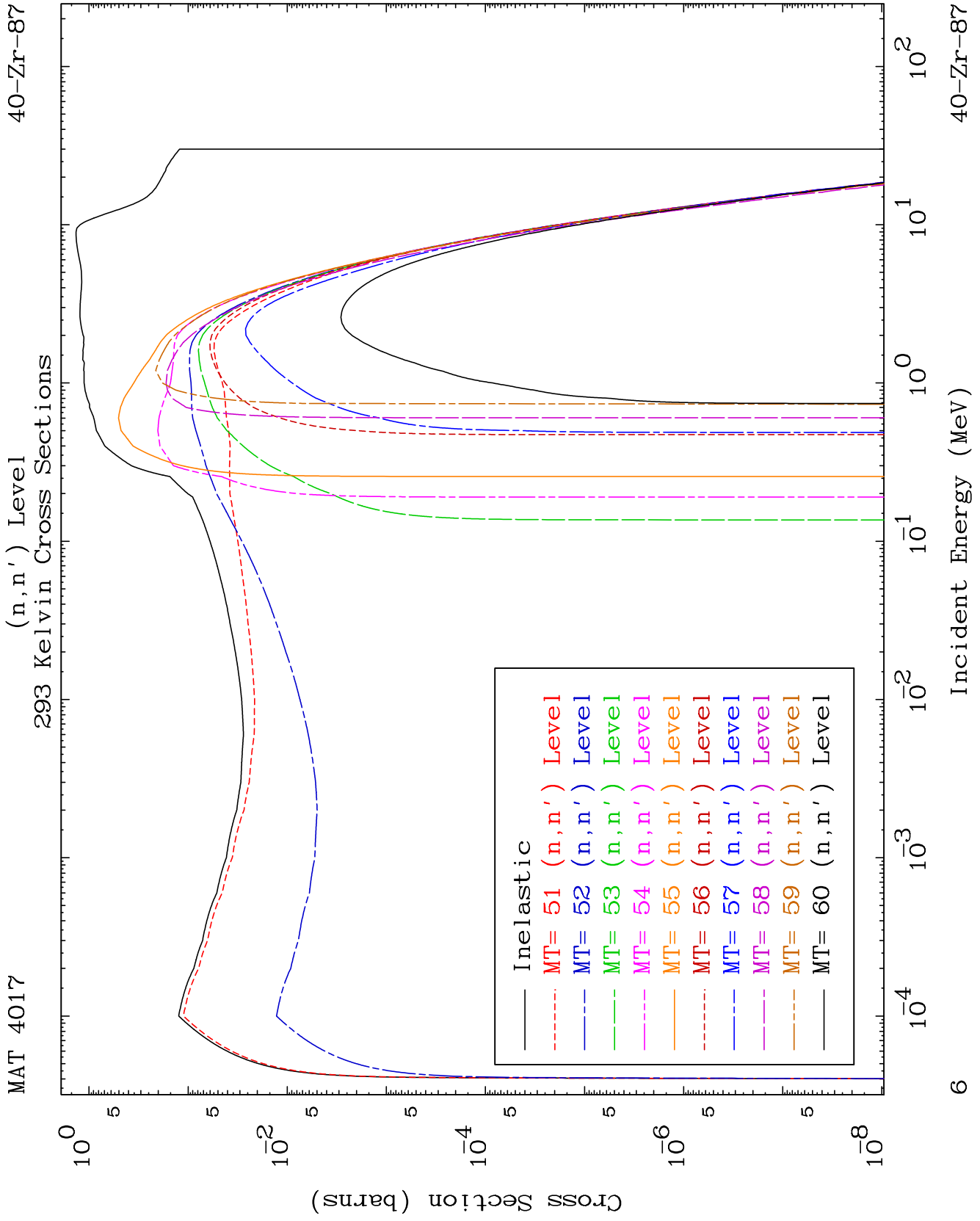


MAT 4017

Particle Production
293 Kelvin Cross Sections

40-Zr-87



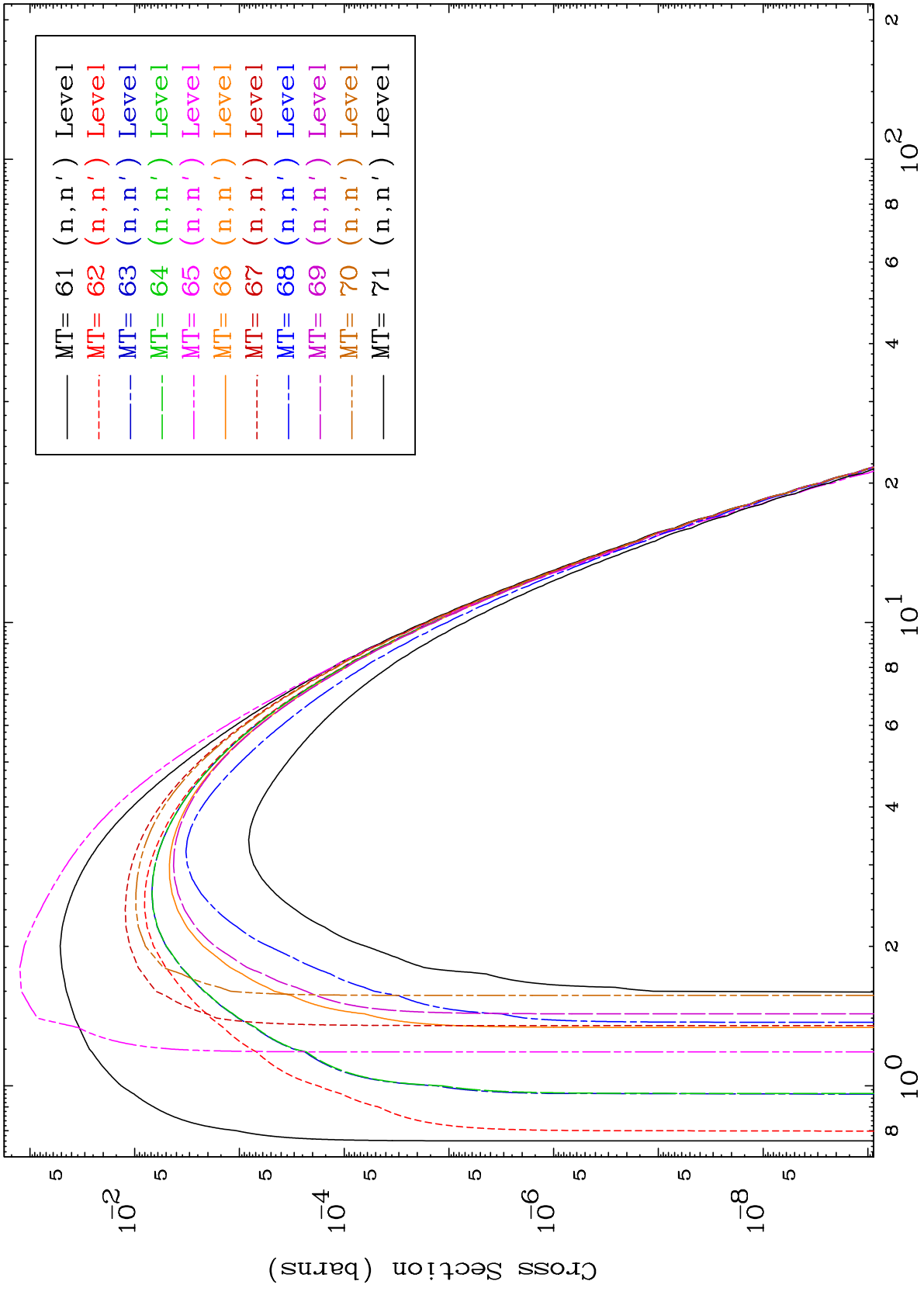


MAT 4017

(n,n') Level

40-Zr-87

293 Kelvin Cross Sections



7

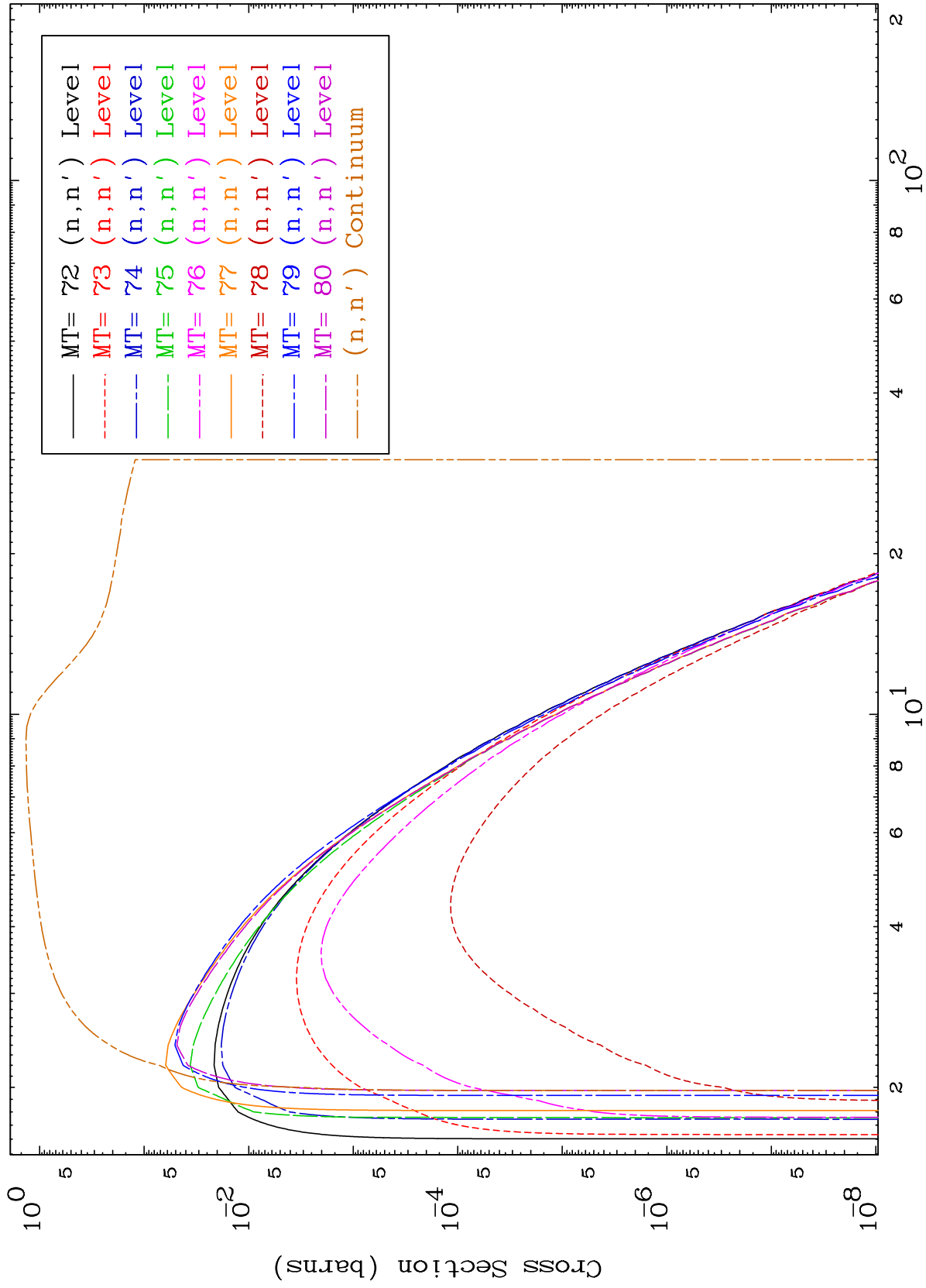
Incident Energy (MeV)

40-Zr-87

MAT 4017

(n,n') Level
293 Kelvin Cross Sections

40-Zr-87



8

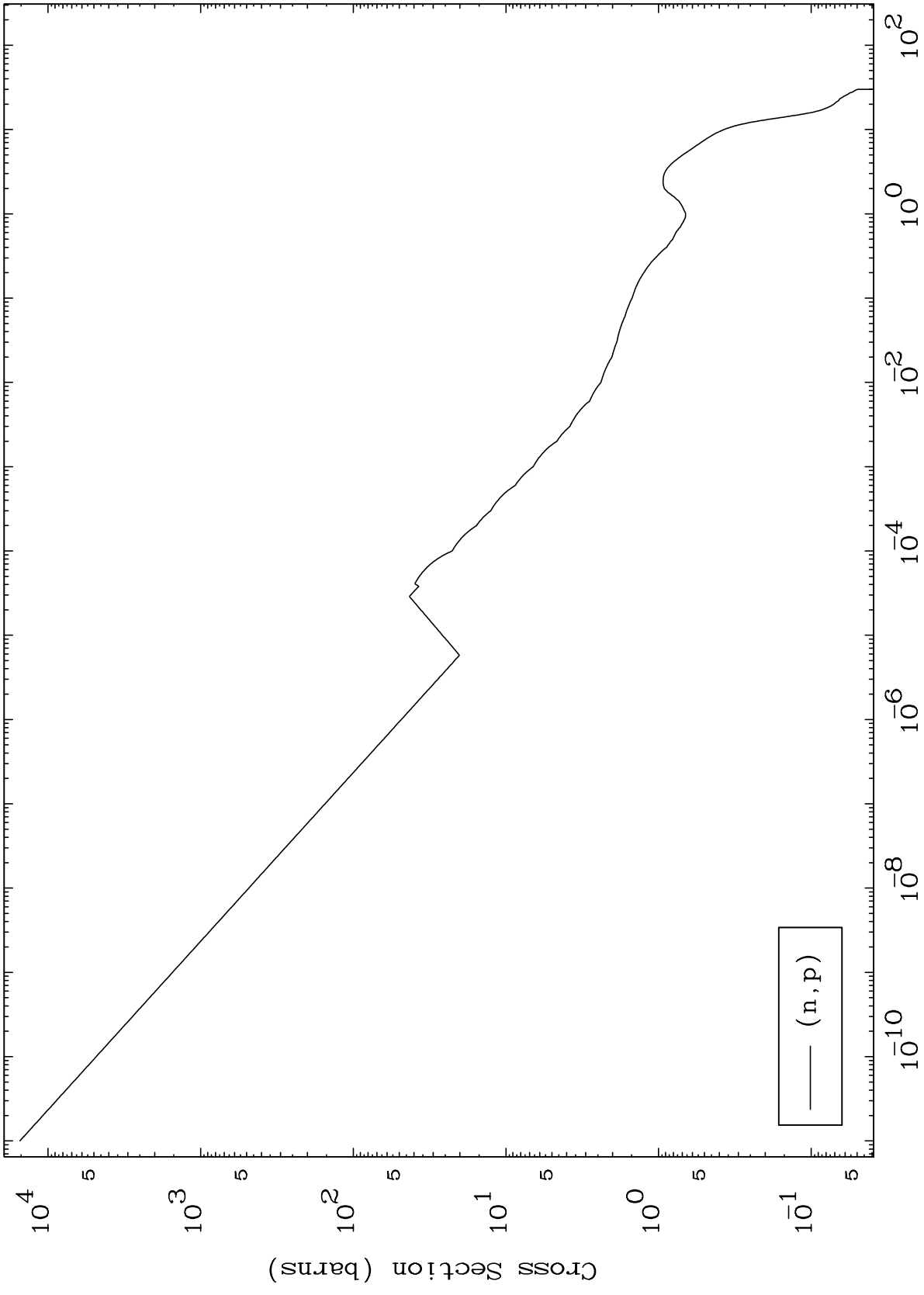
Incident Energy (MeV)

40-Zr-87

MAT 4017

(n,p) Levels
293 Kelvin Cross Sections

40-Zr-87

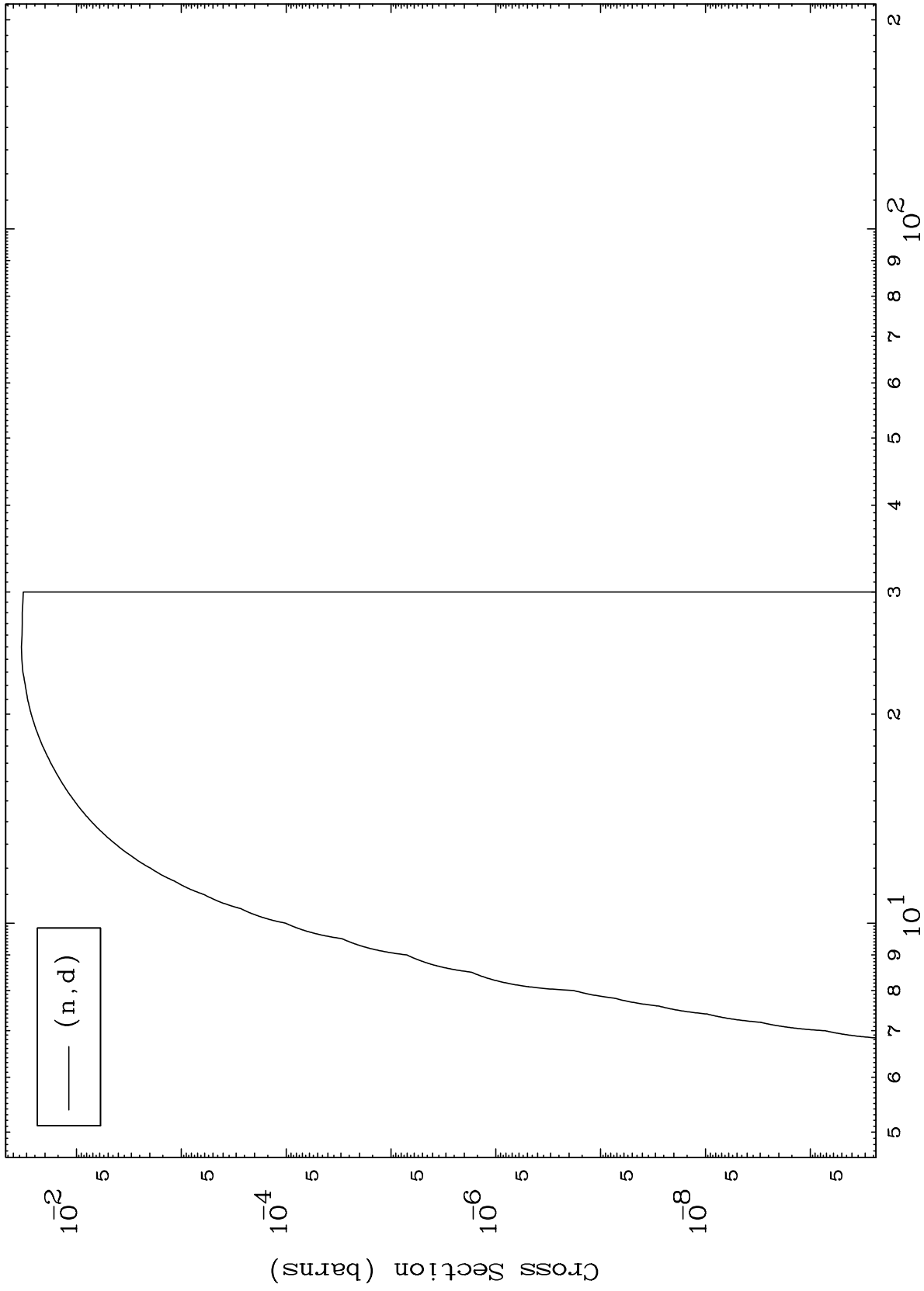


— (n,p)

MAT 4017

(n,d) Levels
293 Kelvin Cross Sections

40-Zr-87



10

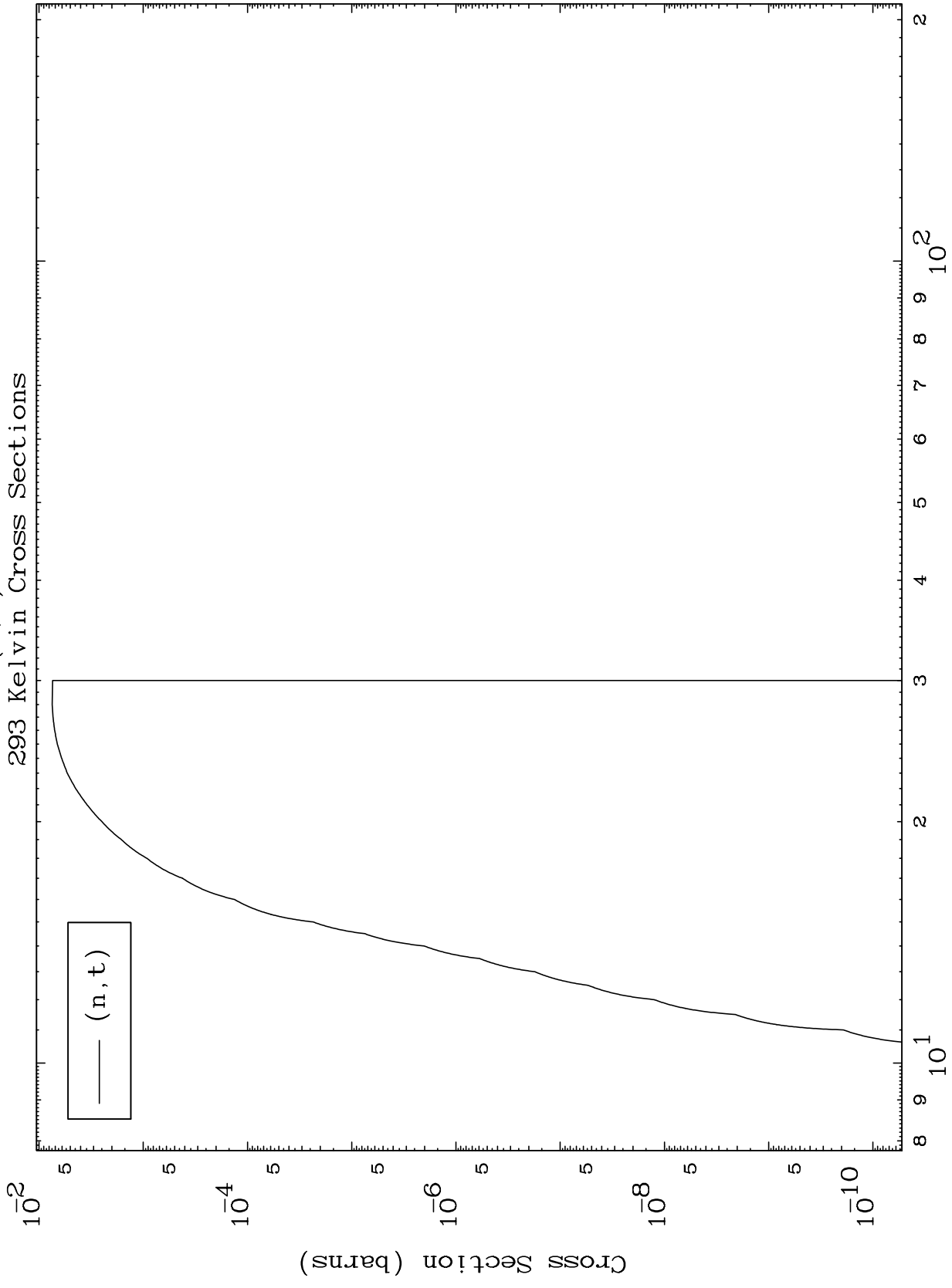
Incident Energy (MeV)

40-Zr-87

MAT 4017

(n,t) Levels
293 Kelvin Cross Sections

40-Zr-87



40-Zr-87

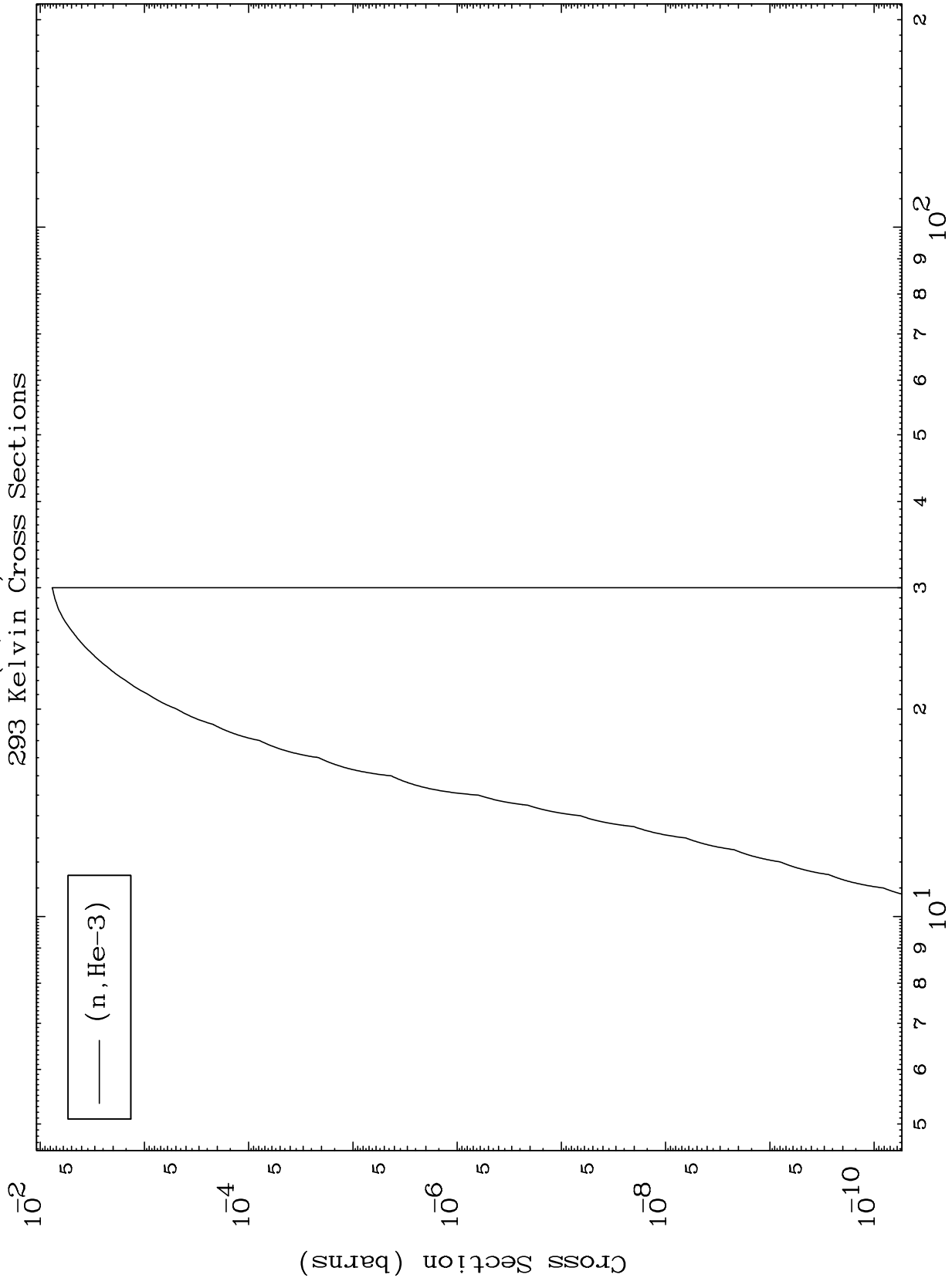
Incident Energy (MeV)

11

MAT 4017

40-Zr-87

(n,He3) Levels
293 Kelvin Cross Sections



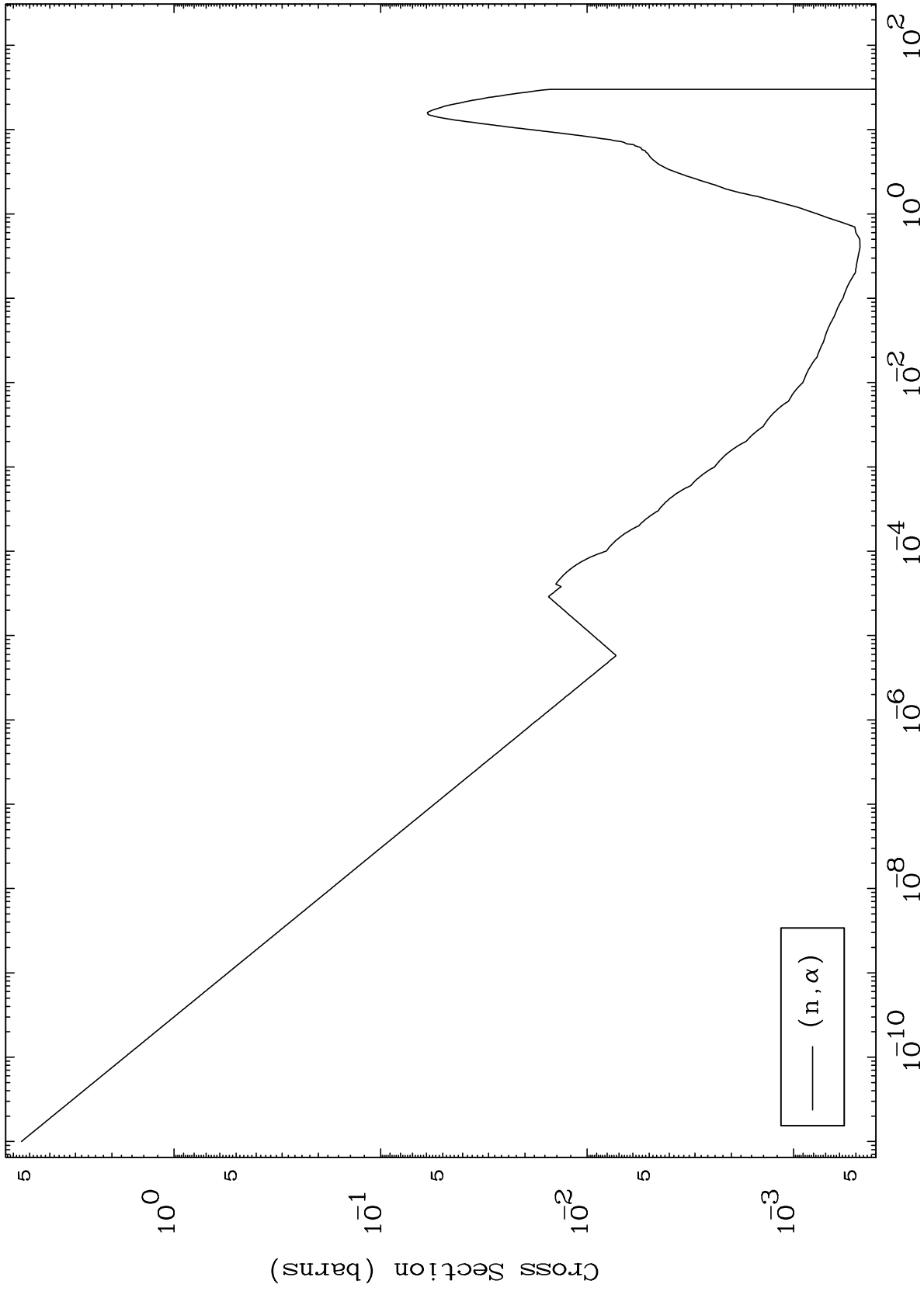
12

40-Zr-87

MAT 4017

(n,α) Levels
293 Kelvin Cross Sections

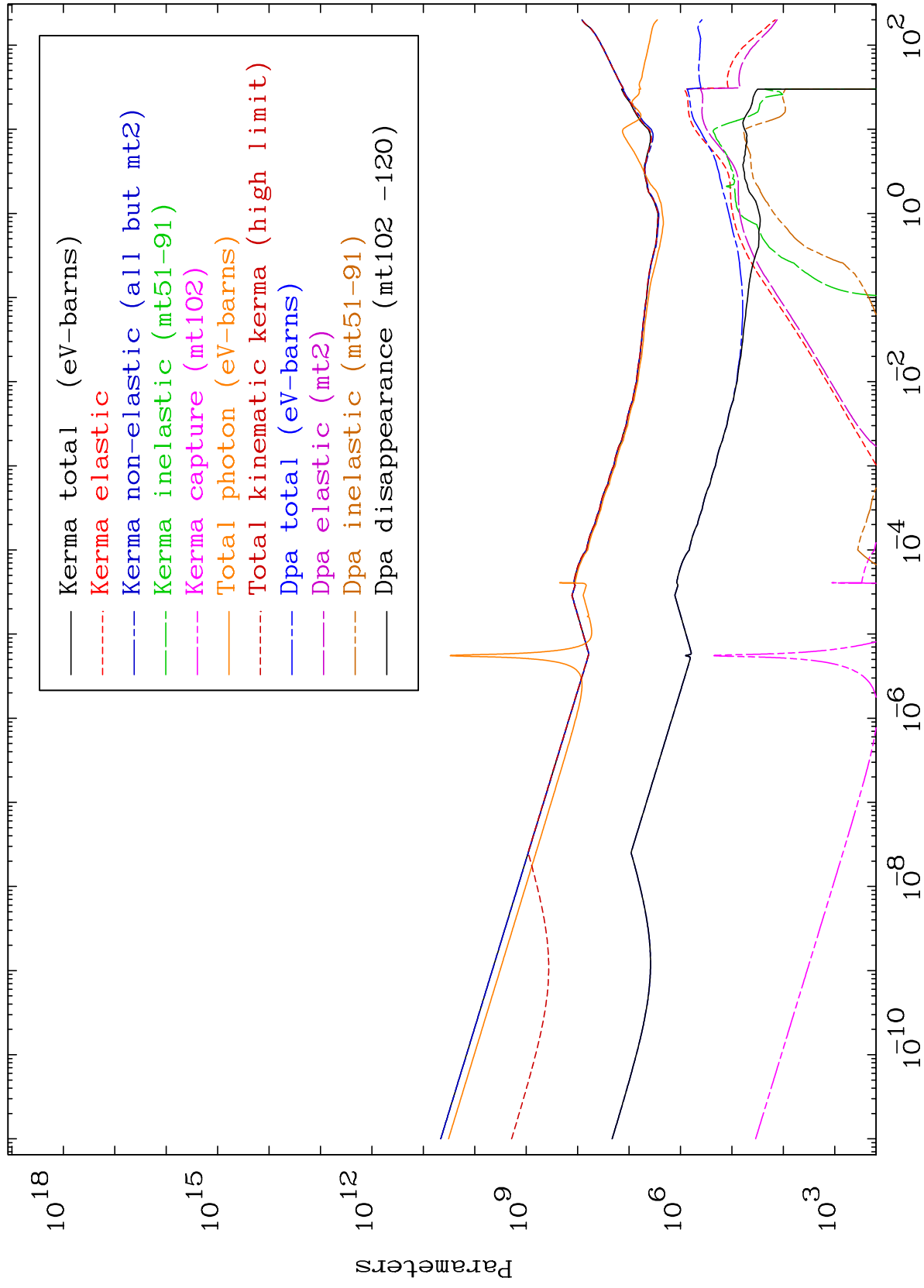
40-Zr-87



13

Incident Energy (MeV)

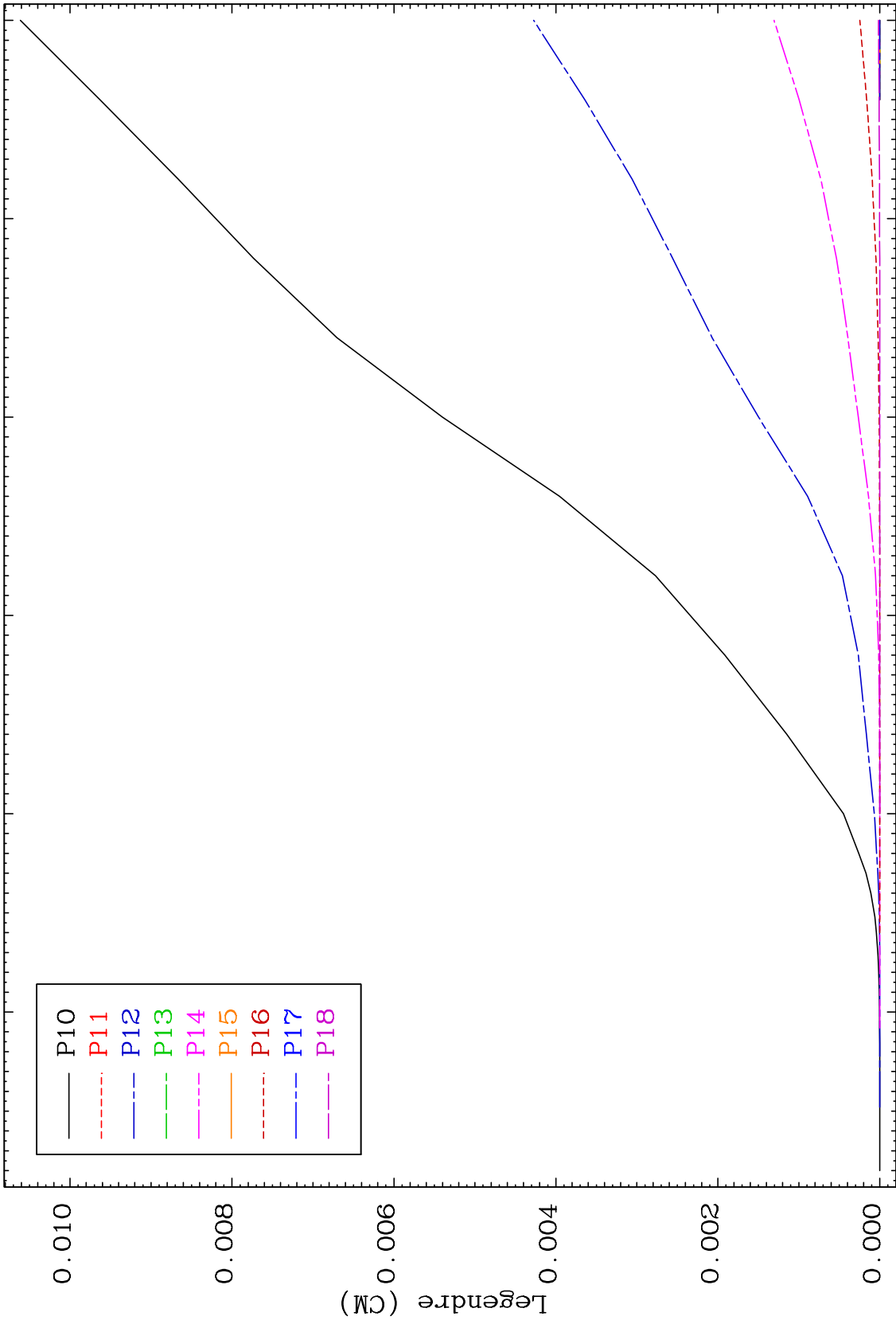
40-Zr-87



MAT 4017

Elastic Legendre Coefficients

40-Zr-87



16

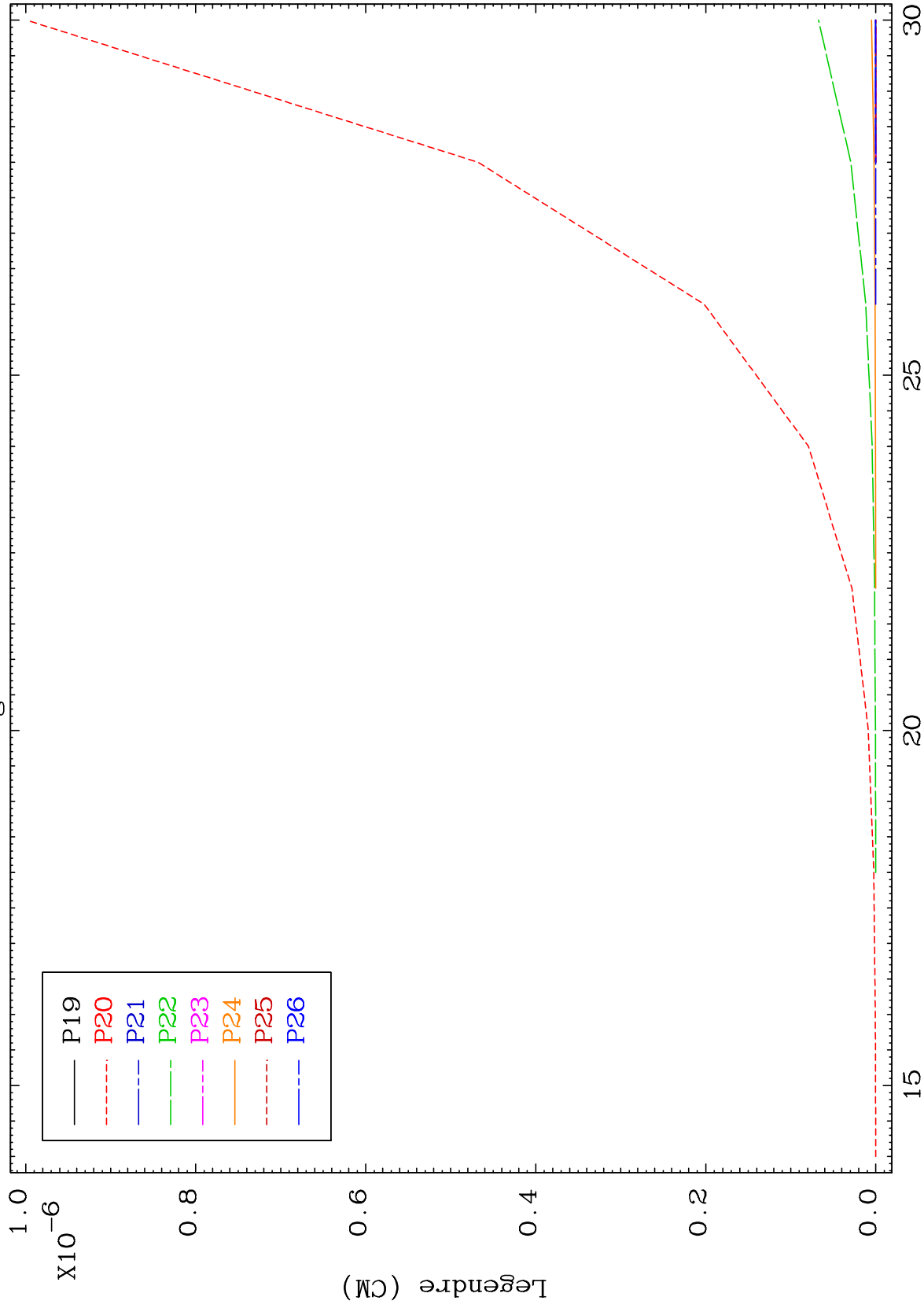
Incident Energy (MeV)

40-Zr-87

MAT 4017

Elastic Legendre Coefficients

40-Zr-87



17

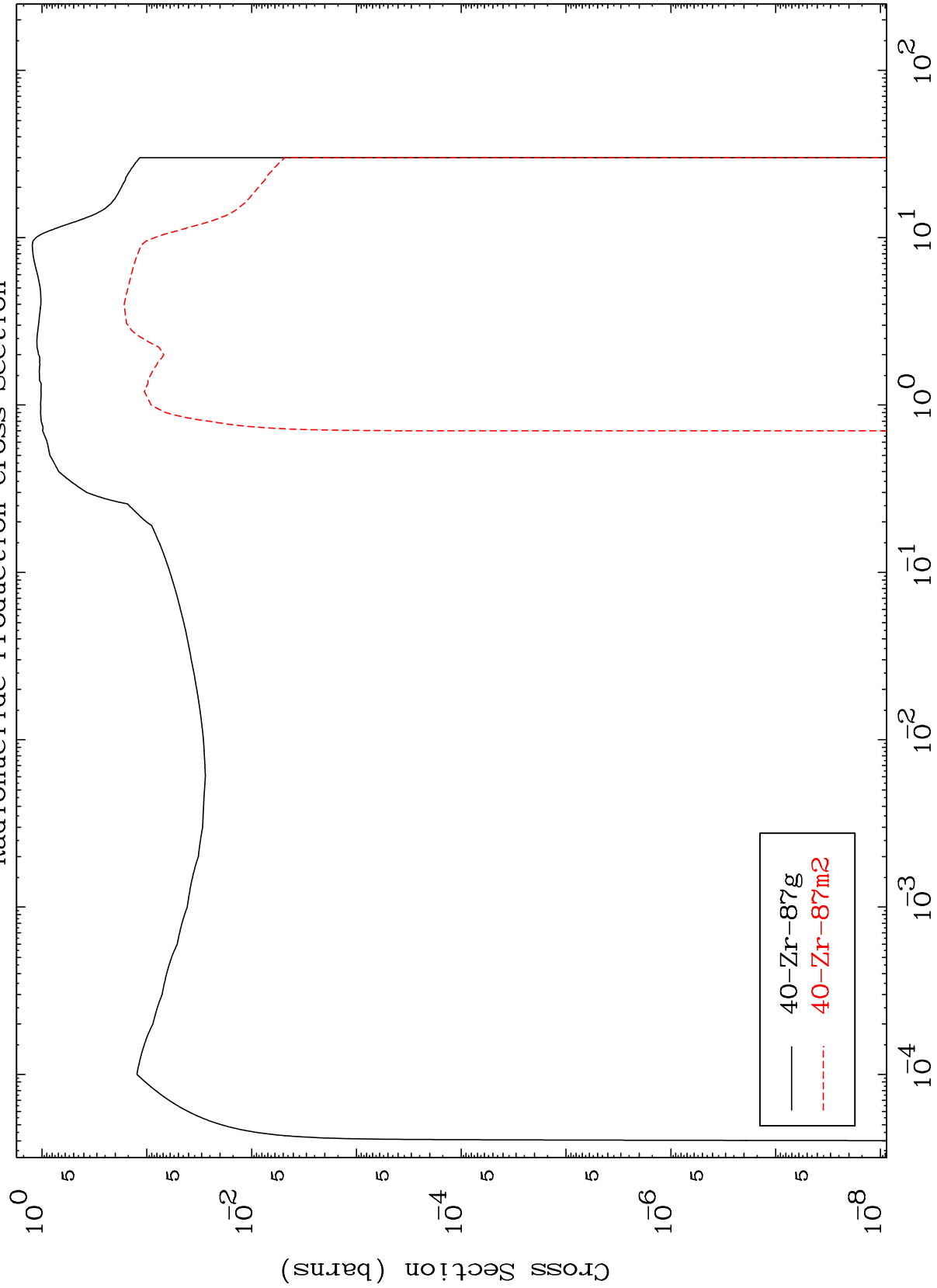
Incident Energy (MeV)

40-Zr-87

MAT 4017

40-Zr-87

Inelastic Radionuclide Production Cross Section



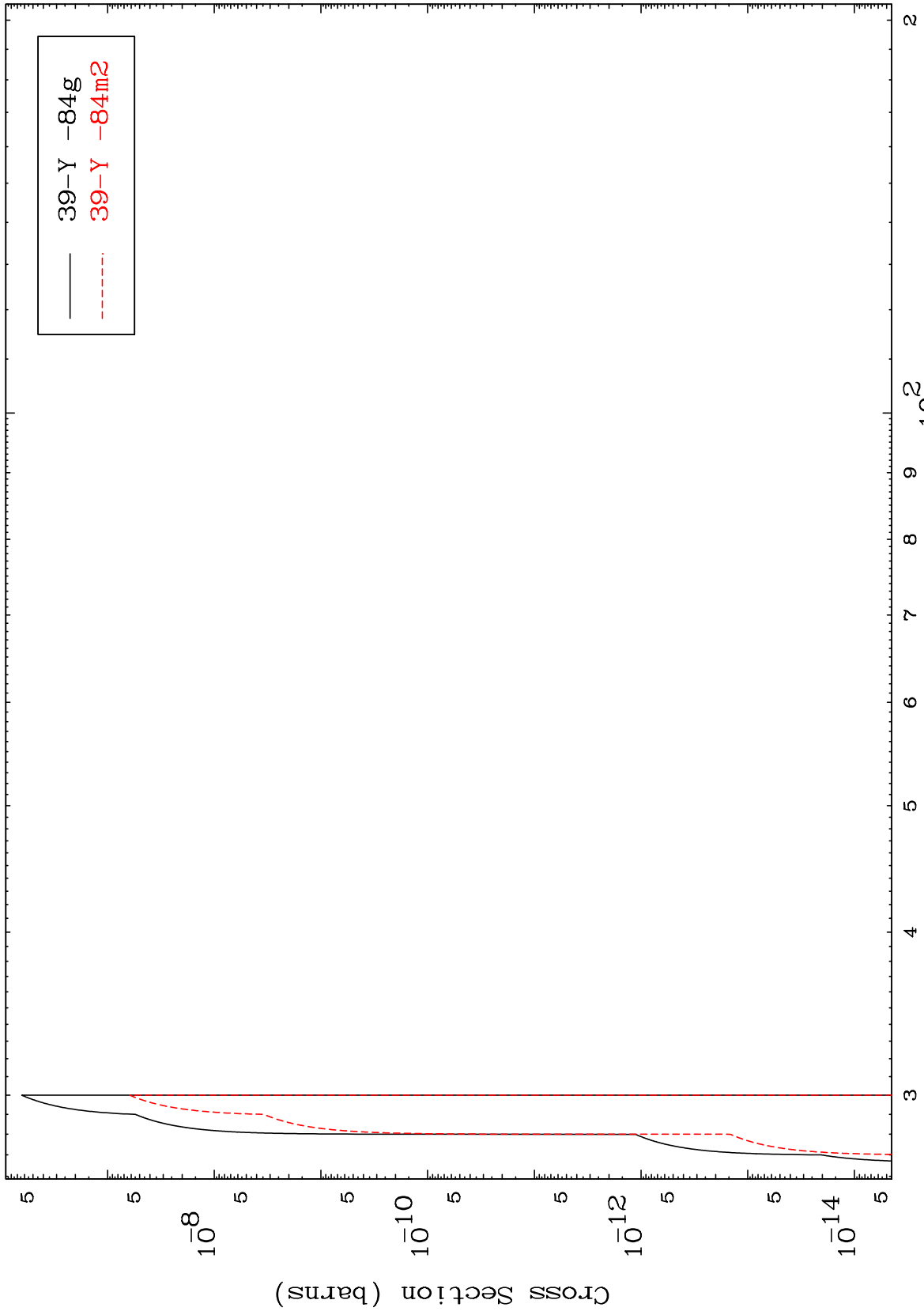
40-Zr-87

MAT 4017

(n,2n) d

40-Zr-87

Radionuclide Production Cross Section



19

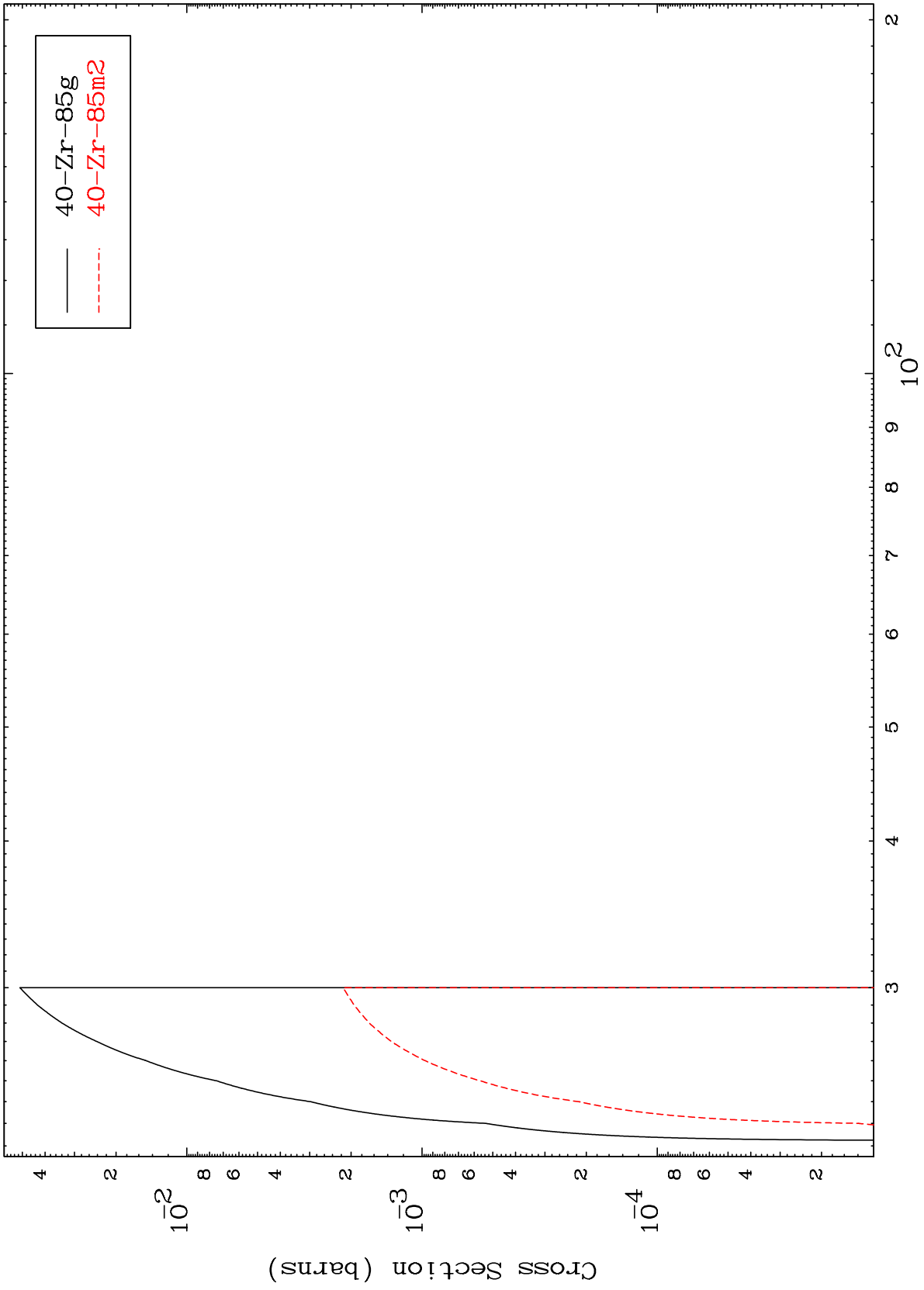
Incident Energy (MeV)

40-Zr-87

MAT 4017

40-Zr-87

(n,3n)
Radionuclide Production Cross Section



20

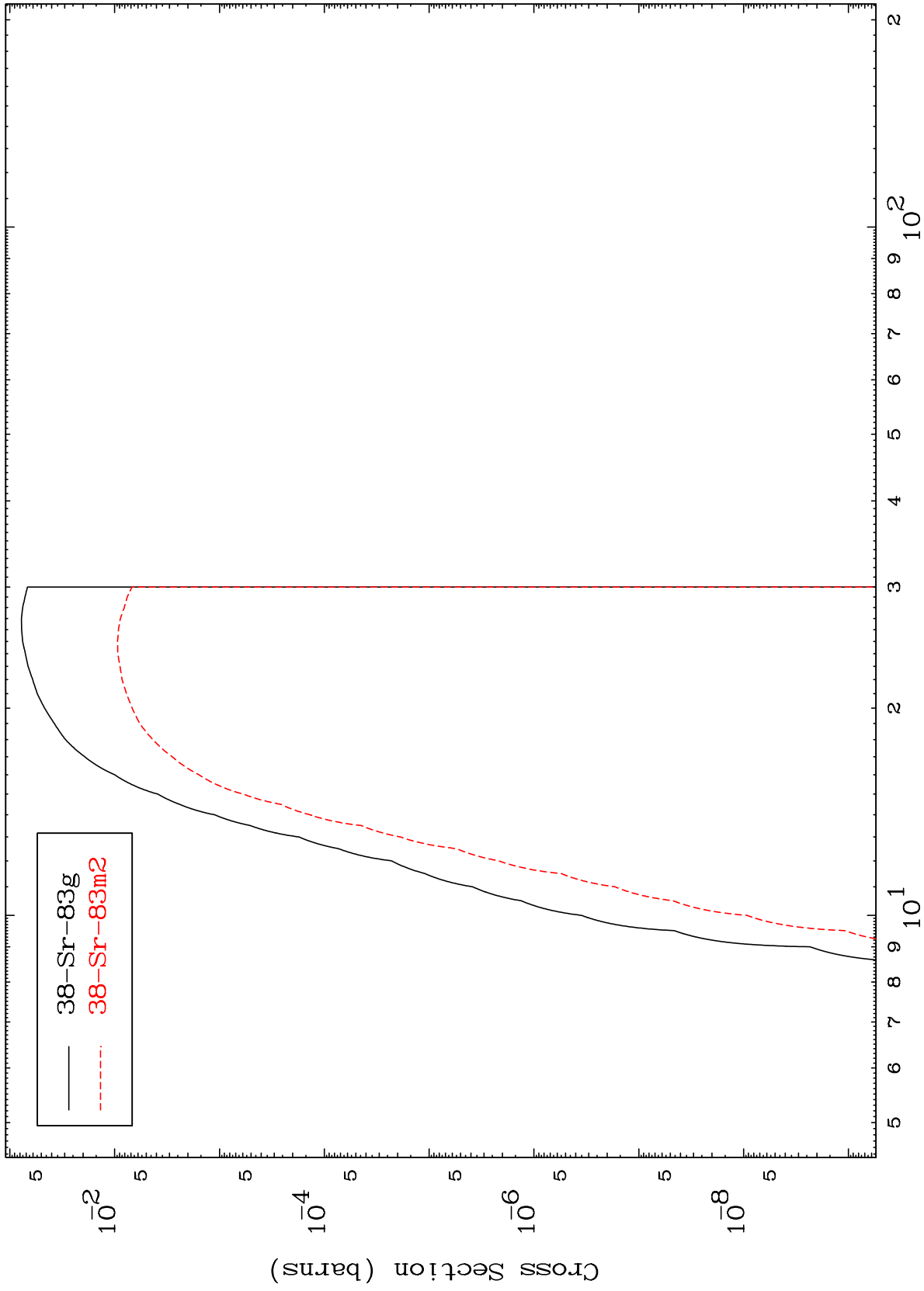
40-Zr-87

MAT 4017

(n,n') α

40-Zr-87

Radionuclide Production Cross Section



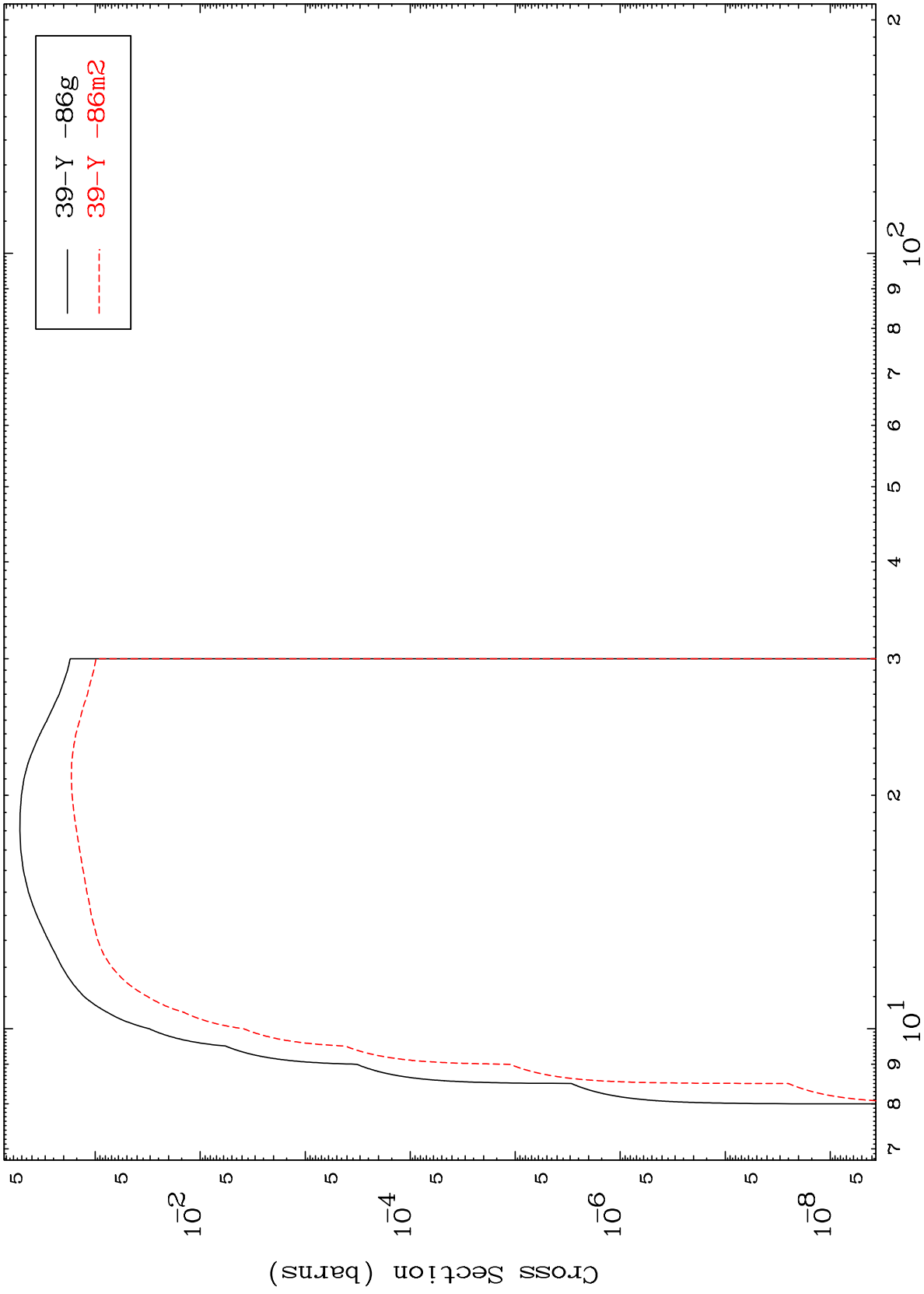
21

MAT 4017

(n,n') p

40-Zr-87

Radionuclide Production Cross Section



22

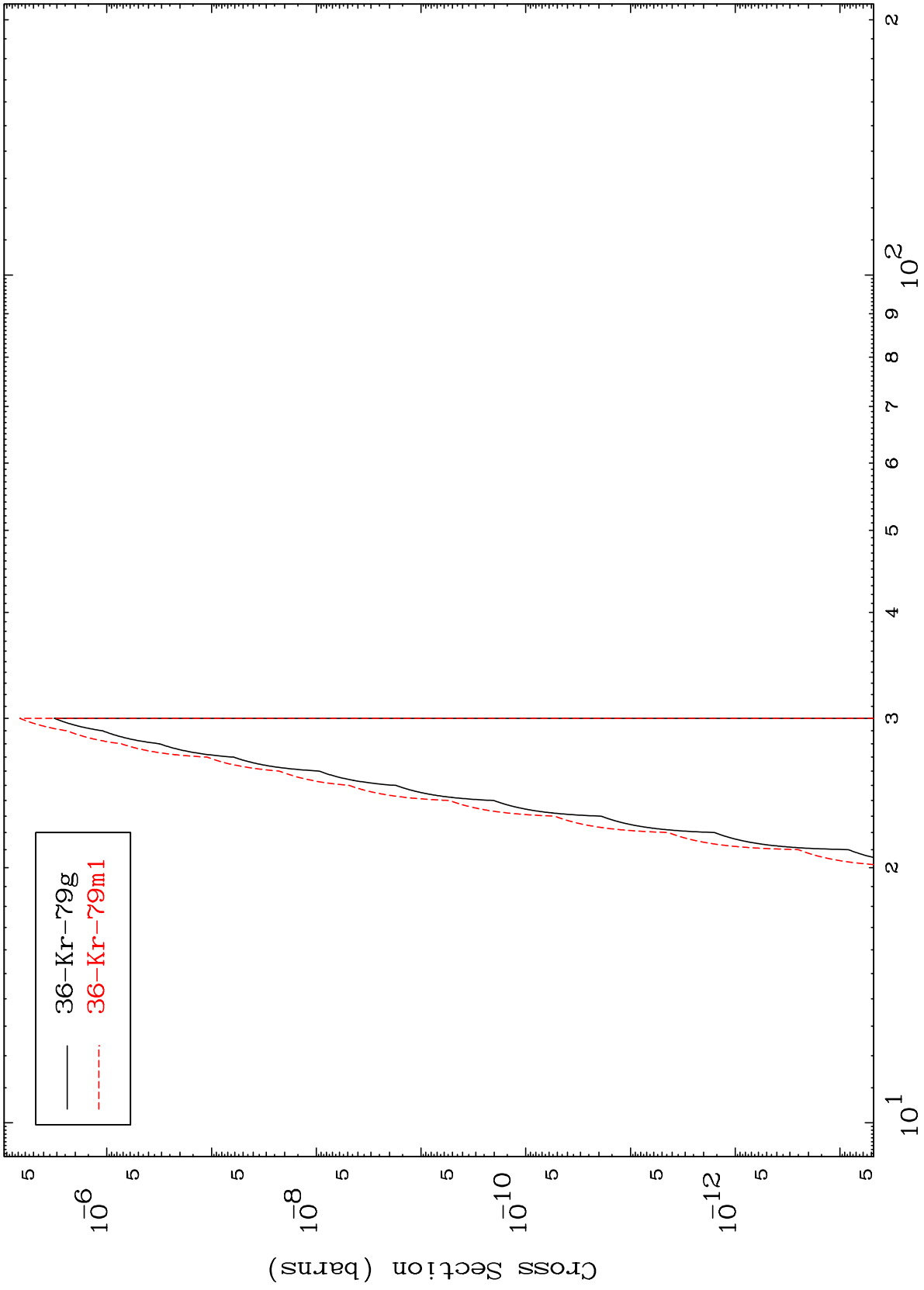
Incident Energy (MeV)

40-Zr-87

MAT 4017

40-Zr-87

(n,n') 2α
Radionuclide Production Cross Section



23

Incident Energy (MeV)

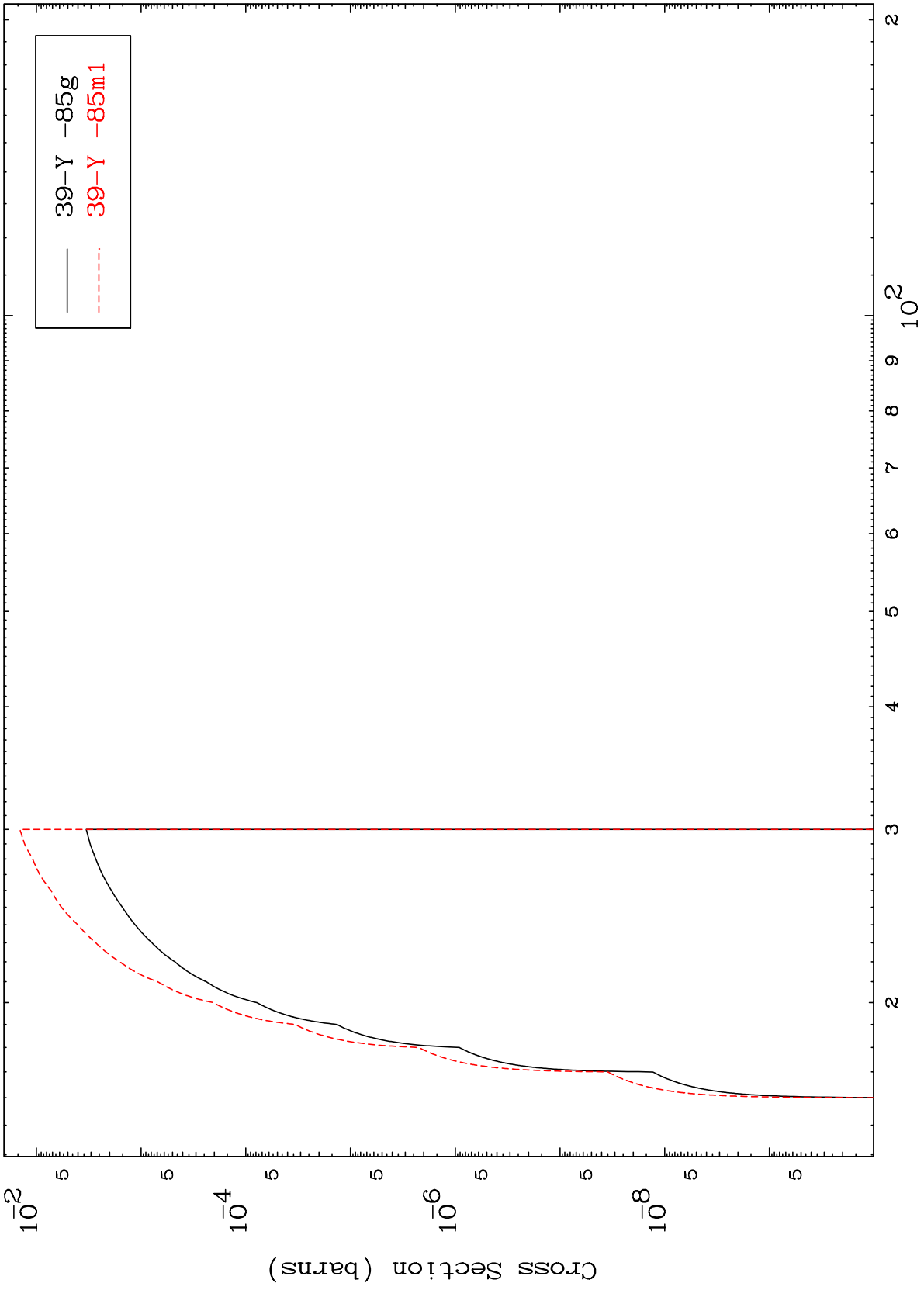
40-Zr-87

MAT 4017

(n,n') d

40-Zr-87

Radionuclide Production Cross Section



24

Incident Energy (MeV)

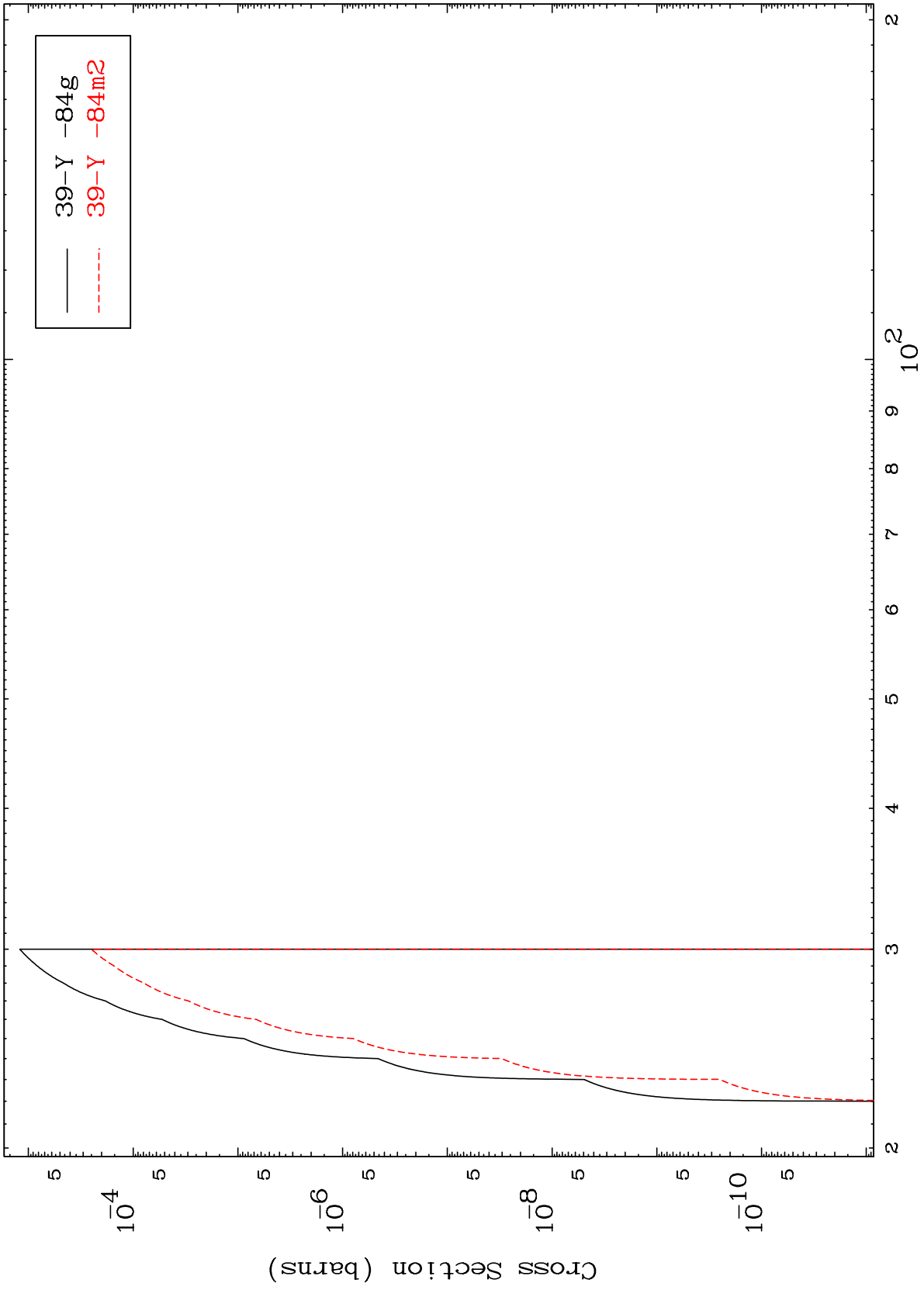
40-Zr-87

MAT 4017

(n,n') t

40-Zr-87

Radionuclide Production Cross Section



25

Incident Energy (MeV)

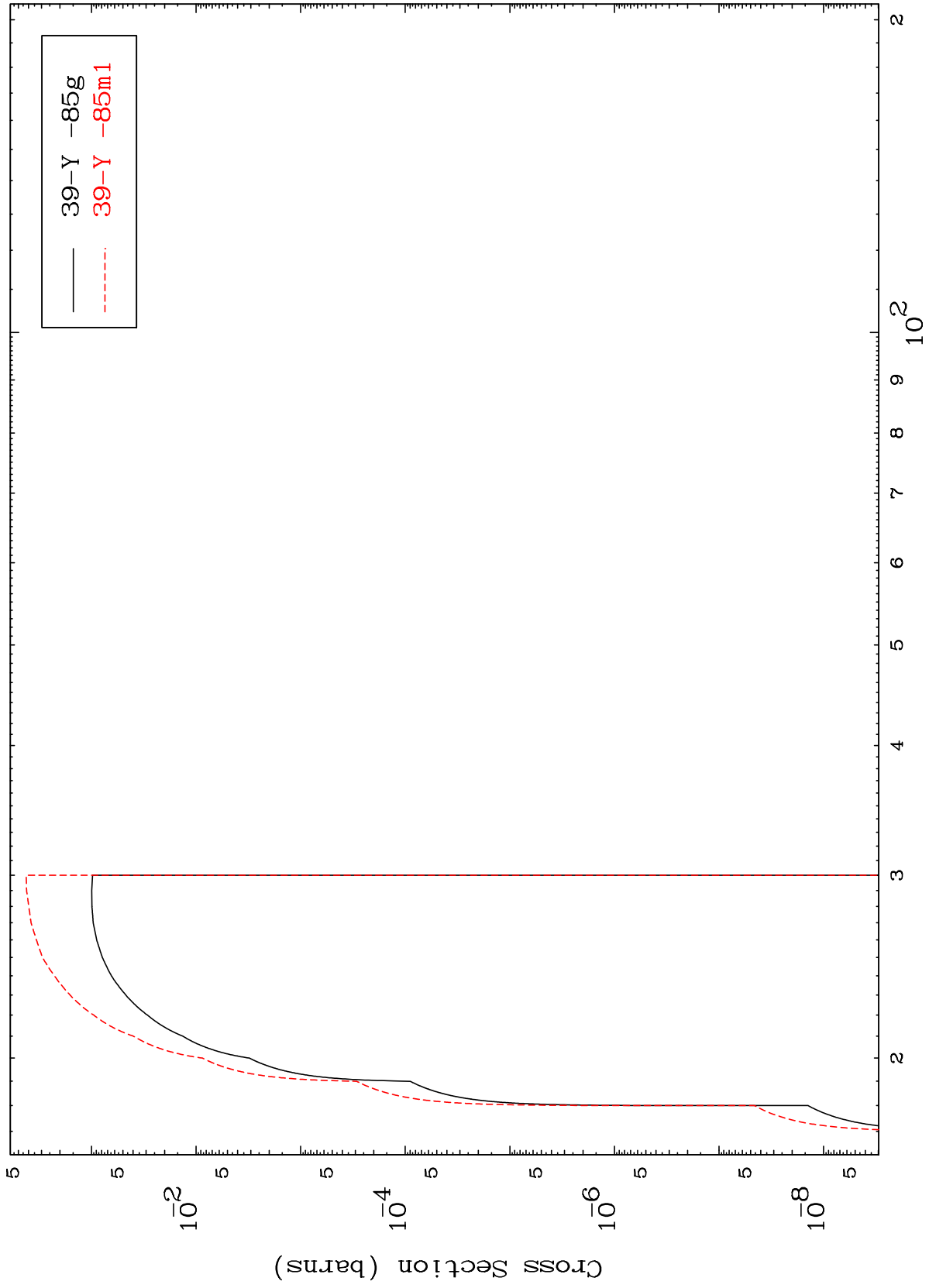
40-Zr-87

MAT 4017

(n,2n) p

40-Zr-87

Radionuclide Production Cross Section



26

Incident Energy (MeV)

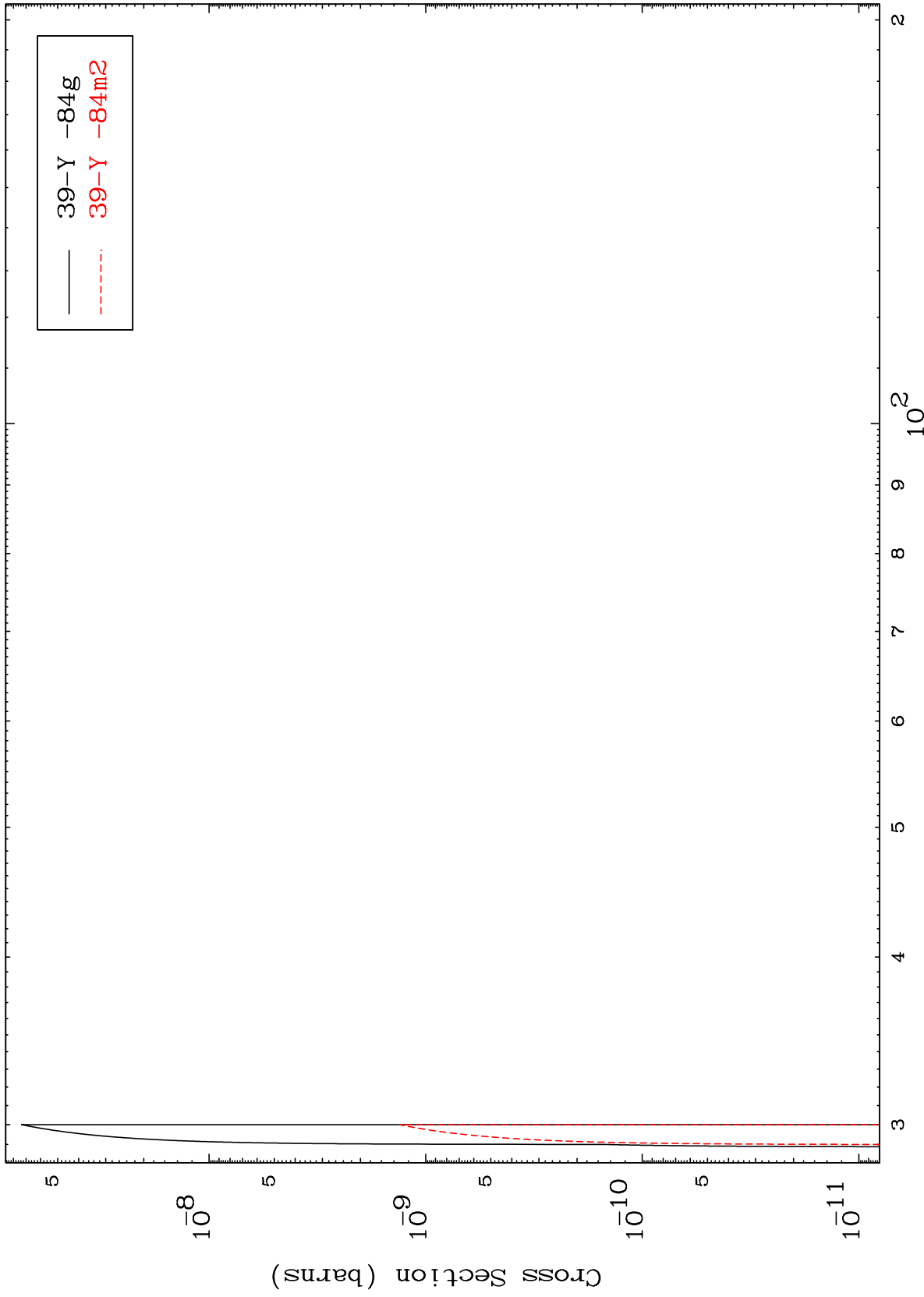
40-Zr-87

MAT 4017

(n,3n) p

40-Zr-87

Radionuclide Production Cross Section



27

Incident Energy (MeV)

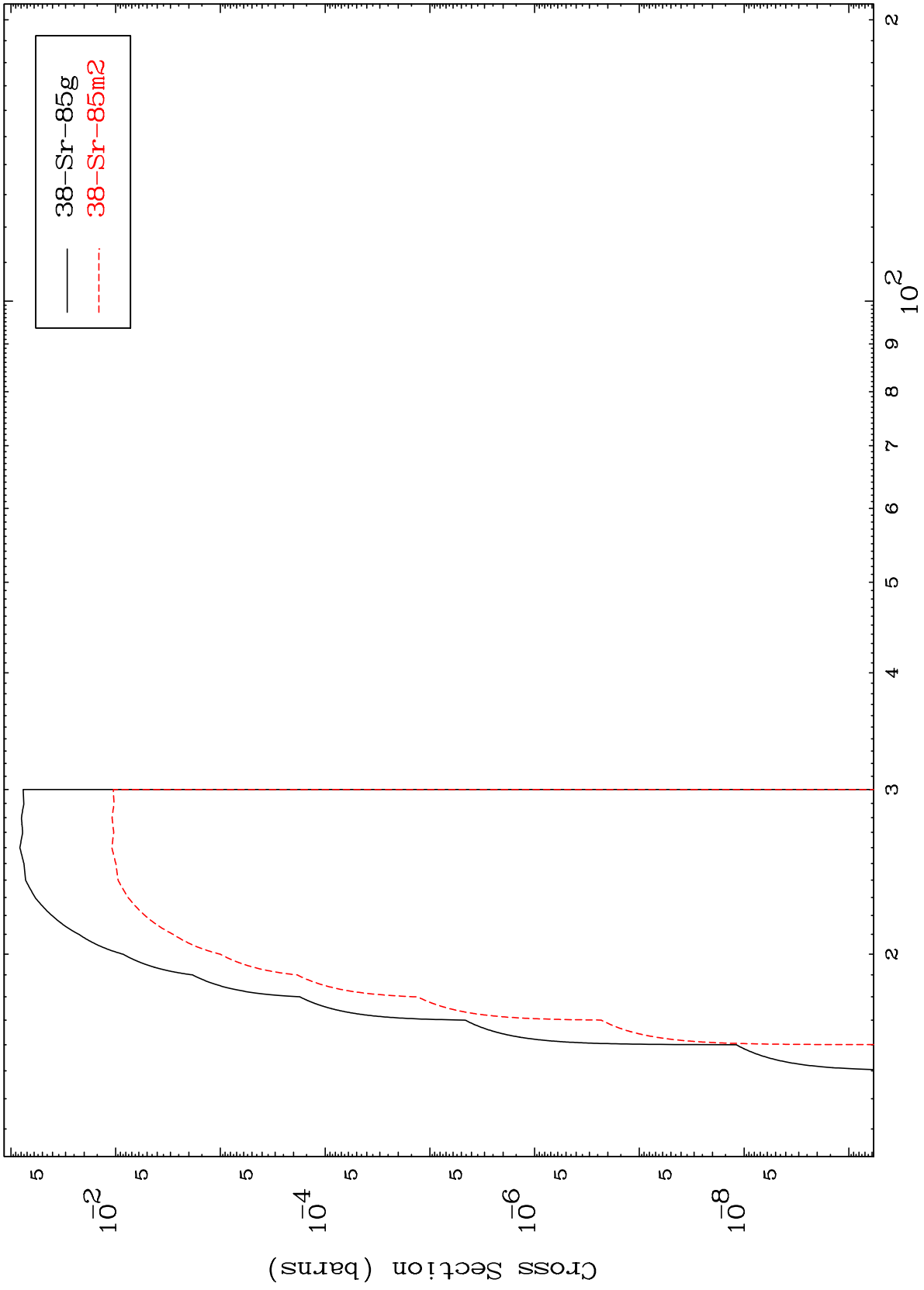
40-Zr-87

MAT 4017

(n,2n) p

40-Zr-87

Radionuclide Production Cross Section



28

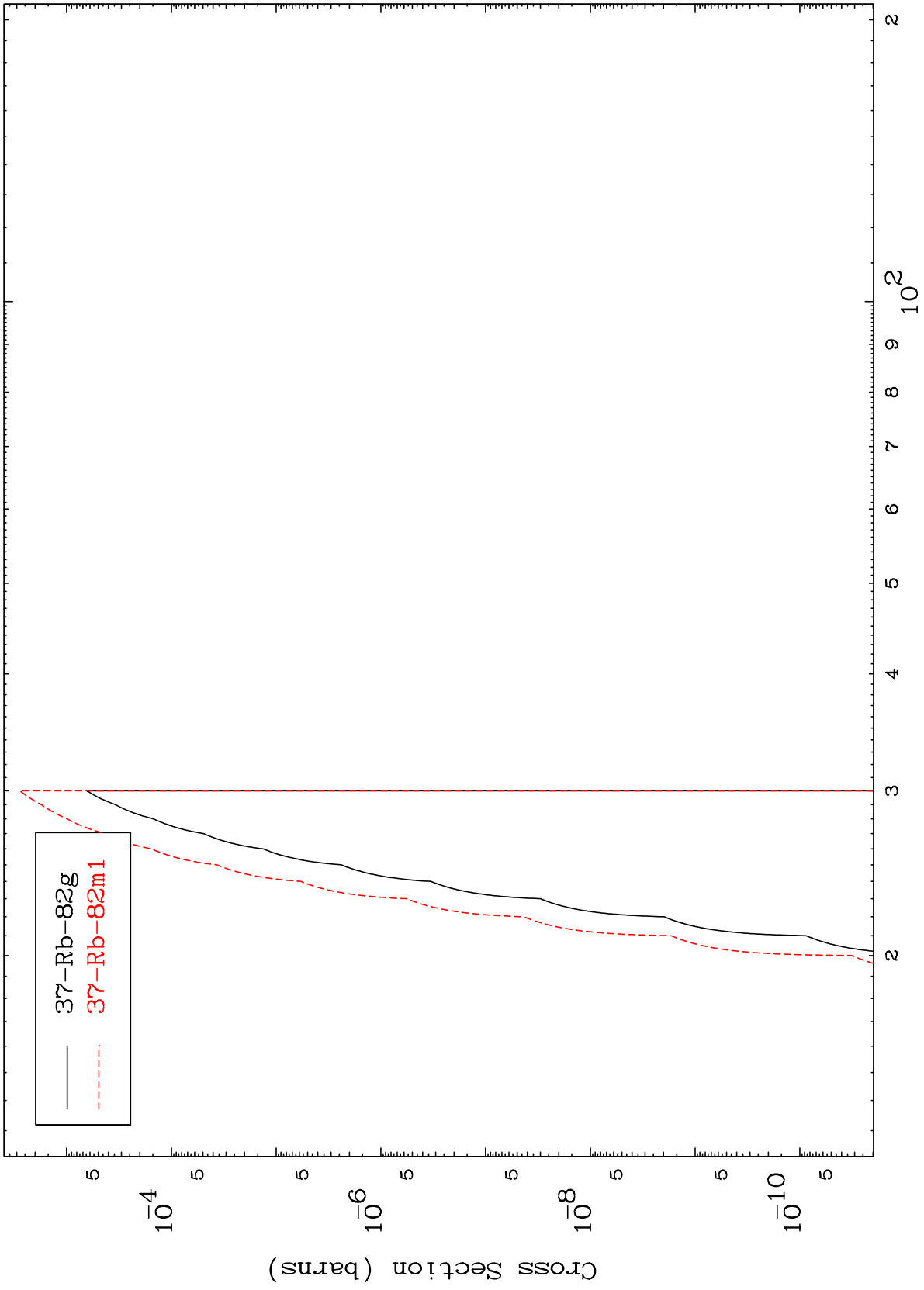
Incident Energy (MeV)

40-Zr-87

MAT 4017

40-Zr-87

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



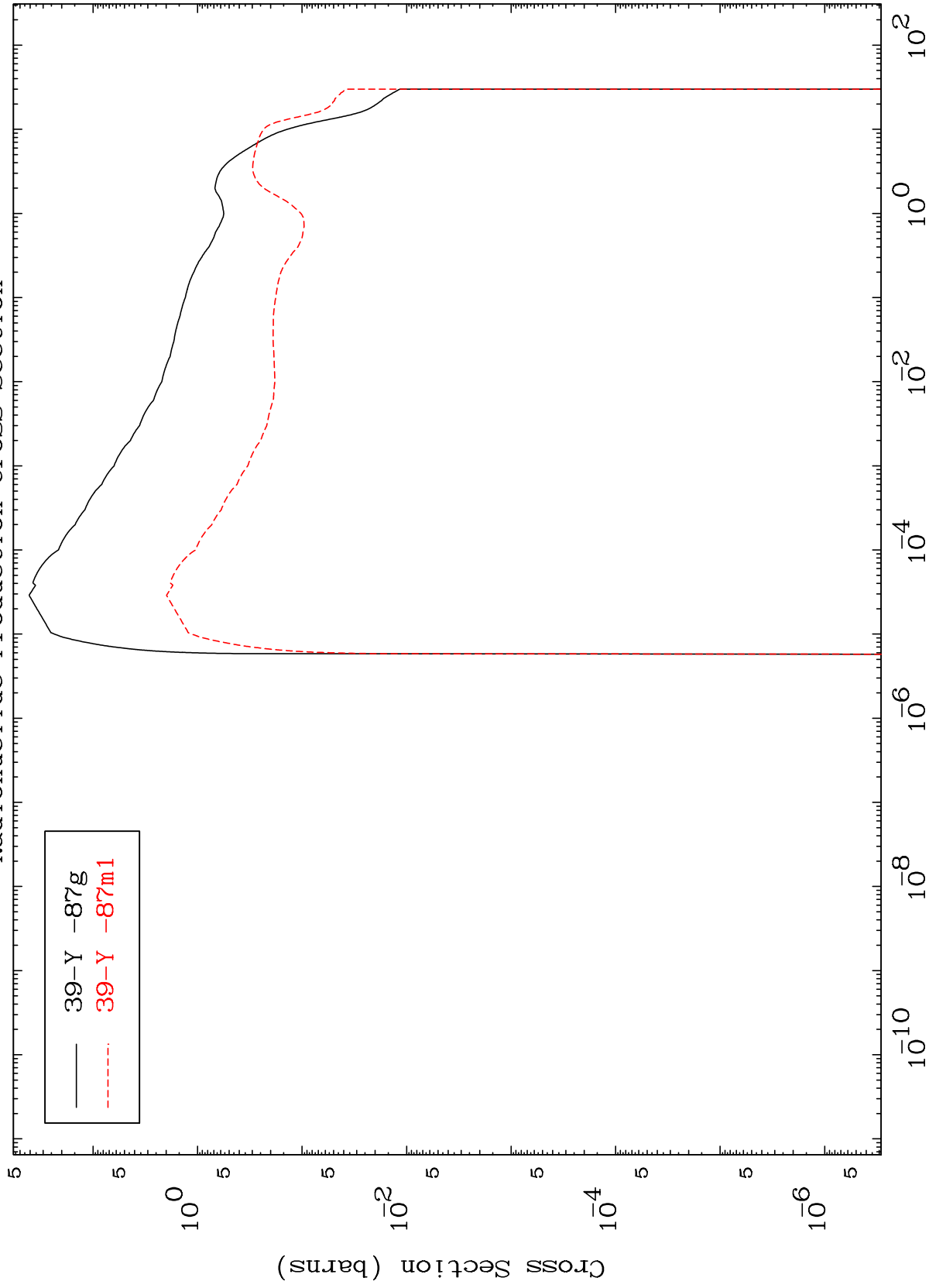
29

40-Zr-87

MAT 4017

(n,p)
Radionuclide Production Cross Section

40-Zr-87



— 39-Y -87g
- - - 39-Y -87m1

30

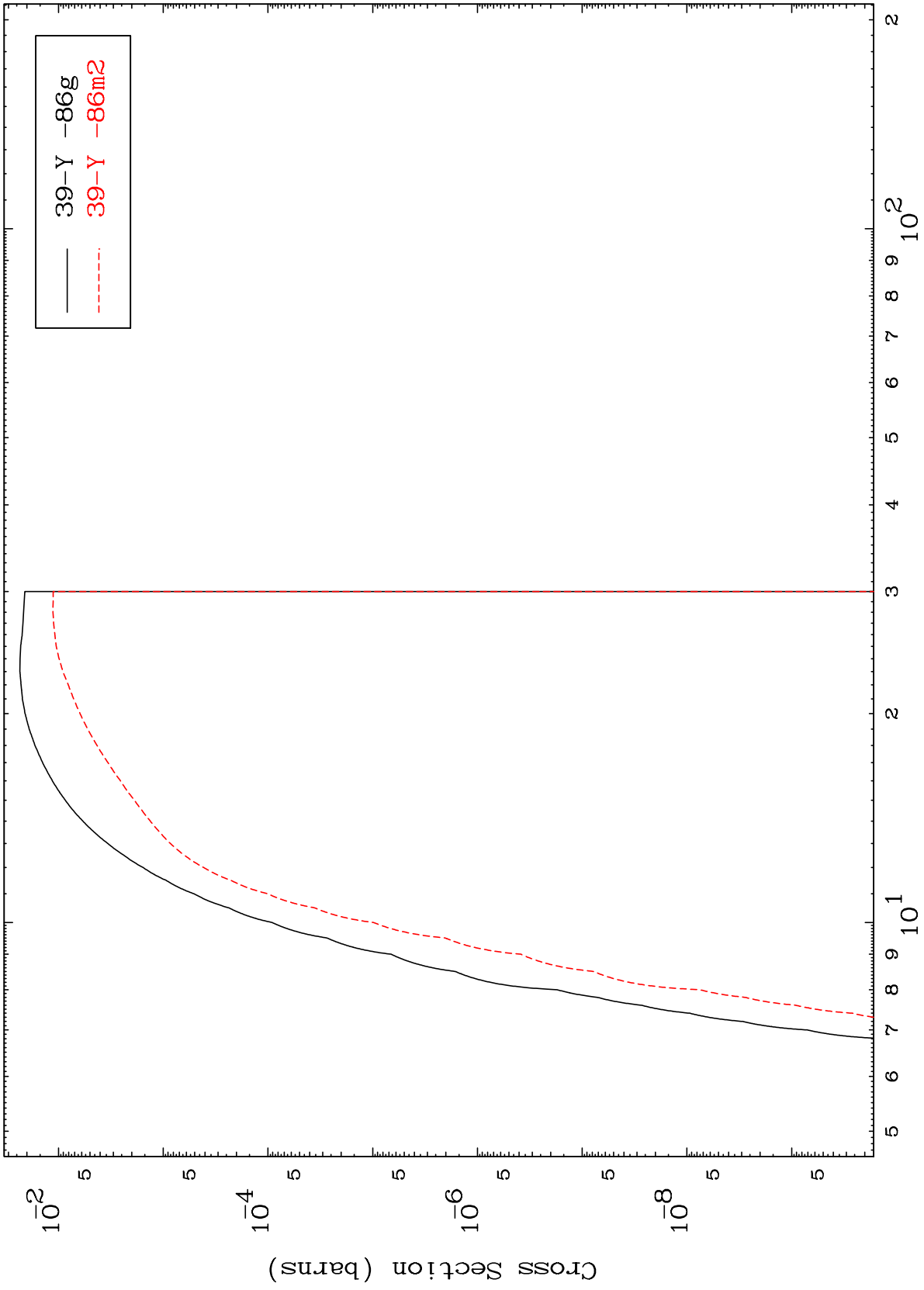
Incident Energy (MeV)

40-Zr-87

MAT 4017

40-Zr-87

(n,d)
Radionuclide Production Cross Section



31

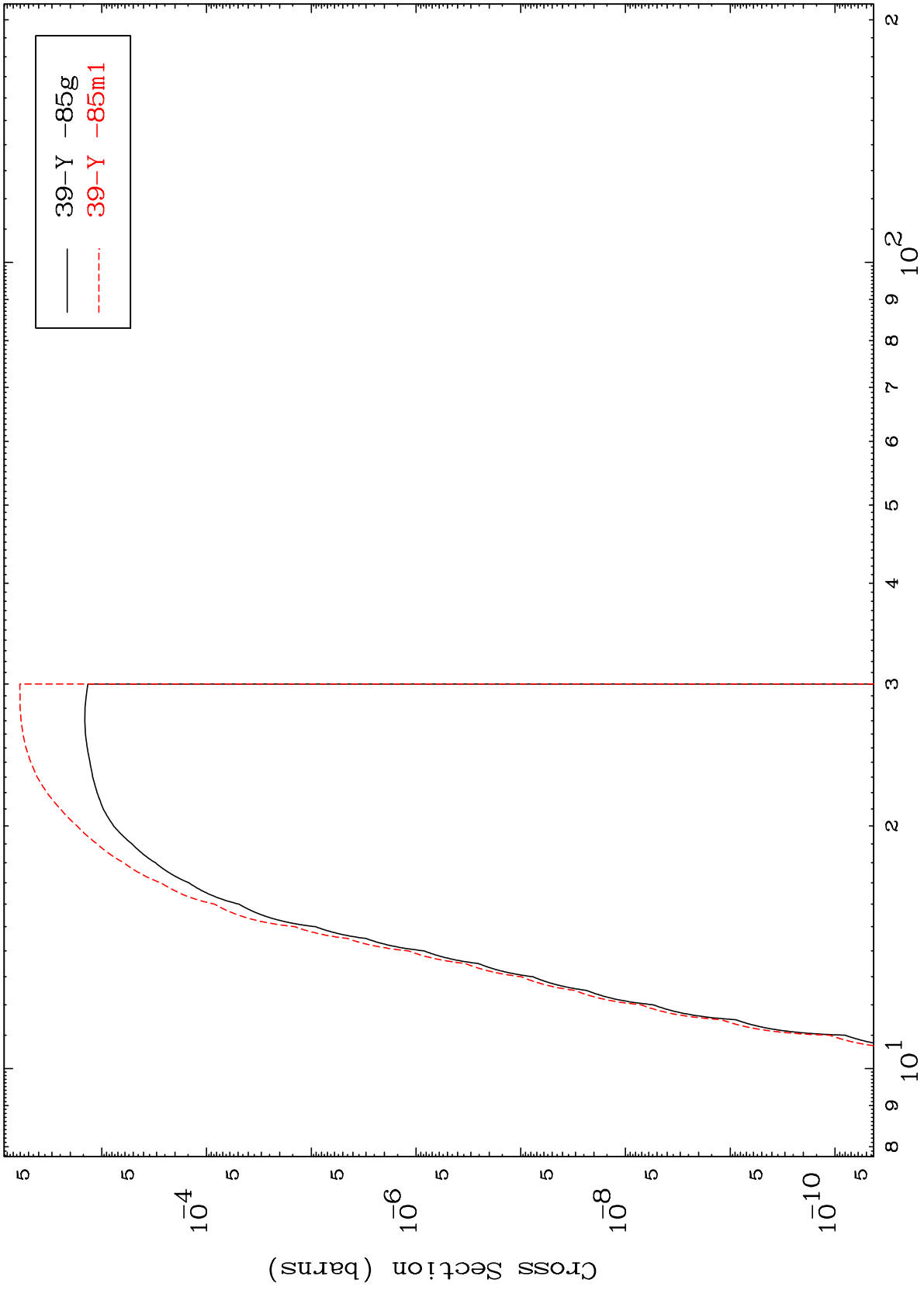
Incident Energy (MeV)

40-Zr-87

MAT 4017

40-Zr-87

(n, t)
Radionuclide Production Cross Section



32

Incident Energy (MeV)

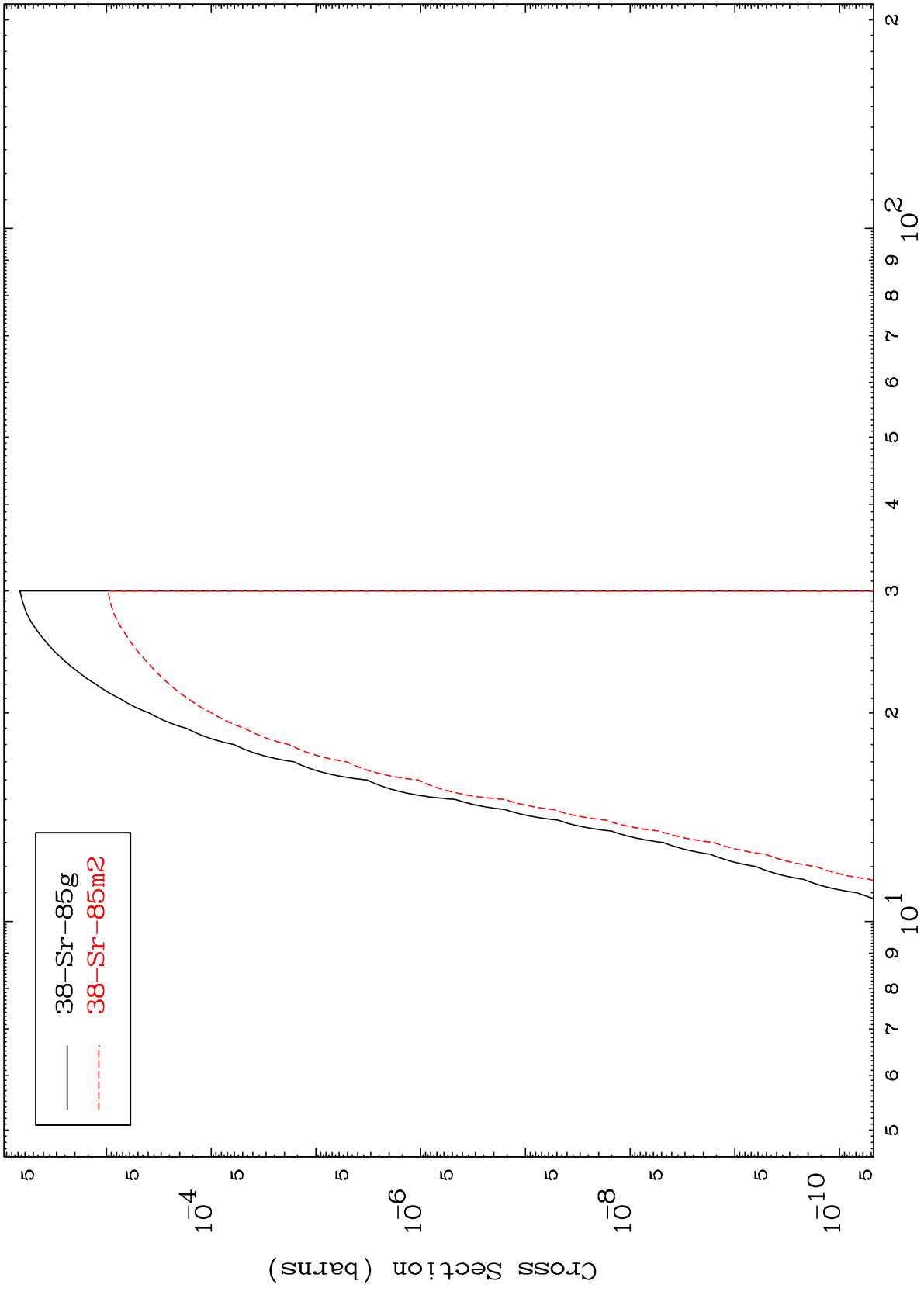
40-Zr-87

MAT 4017

(n, He-3)

40-Zr-87

Radionuclide Production Cross Section



33

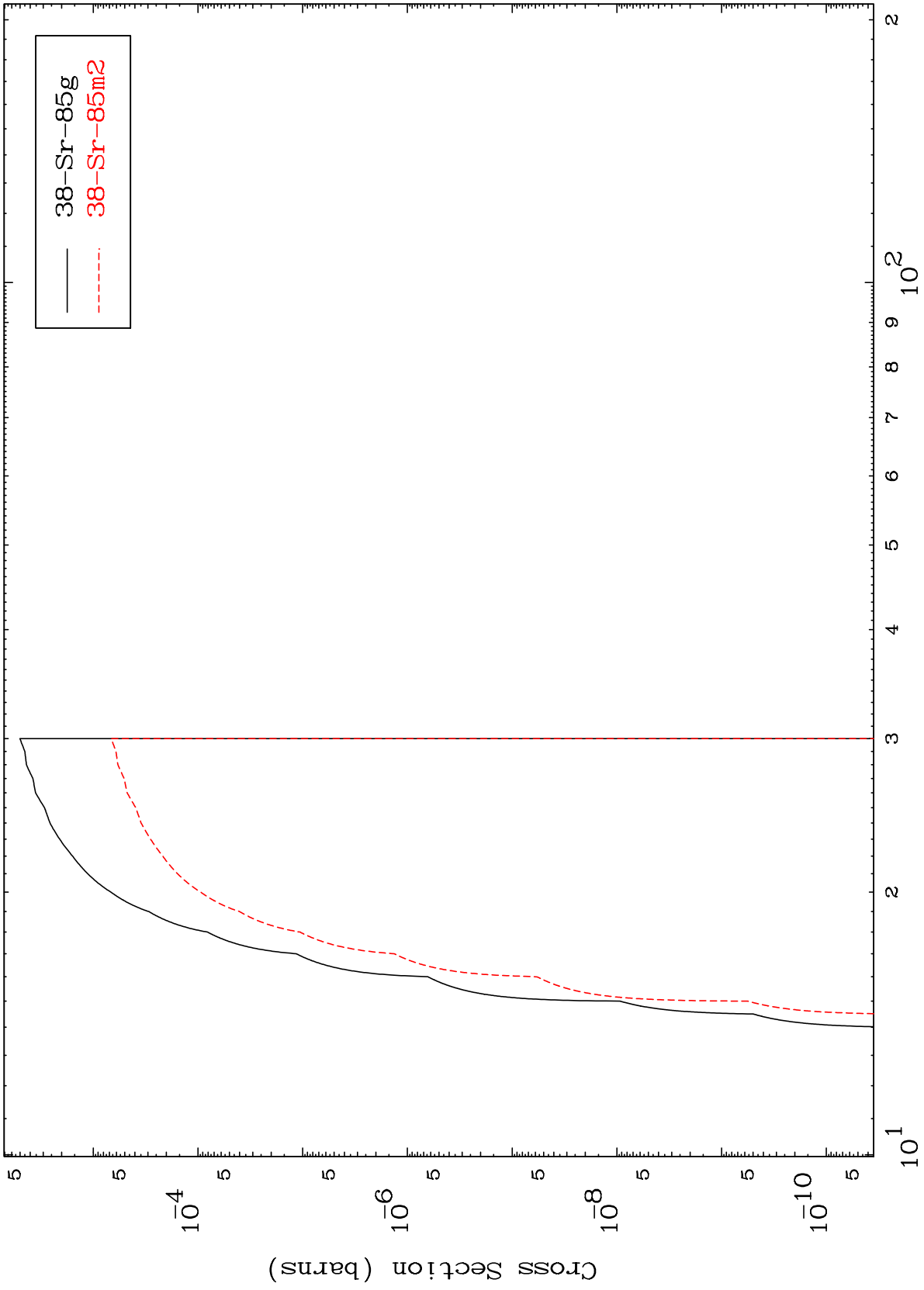
40-Zr-87

MAT 4017

(n,p) d

40-Zr-87

Radionuclide Production Cross Section



34

Incident Energy (MeV)

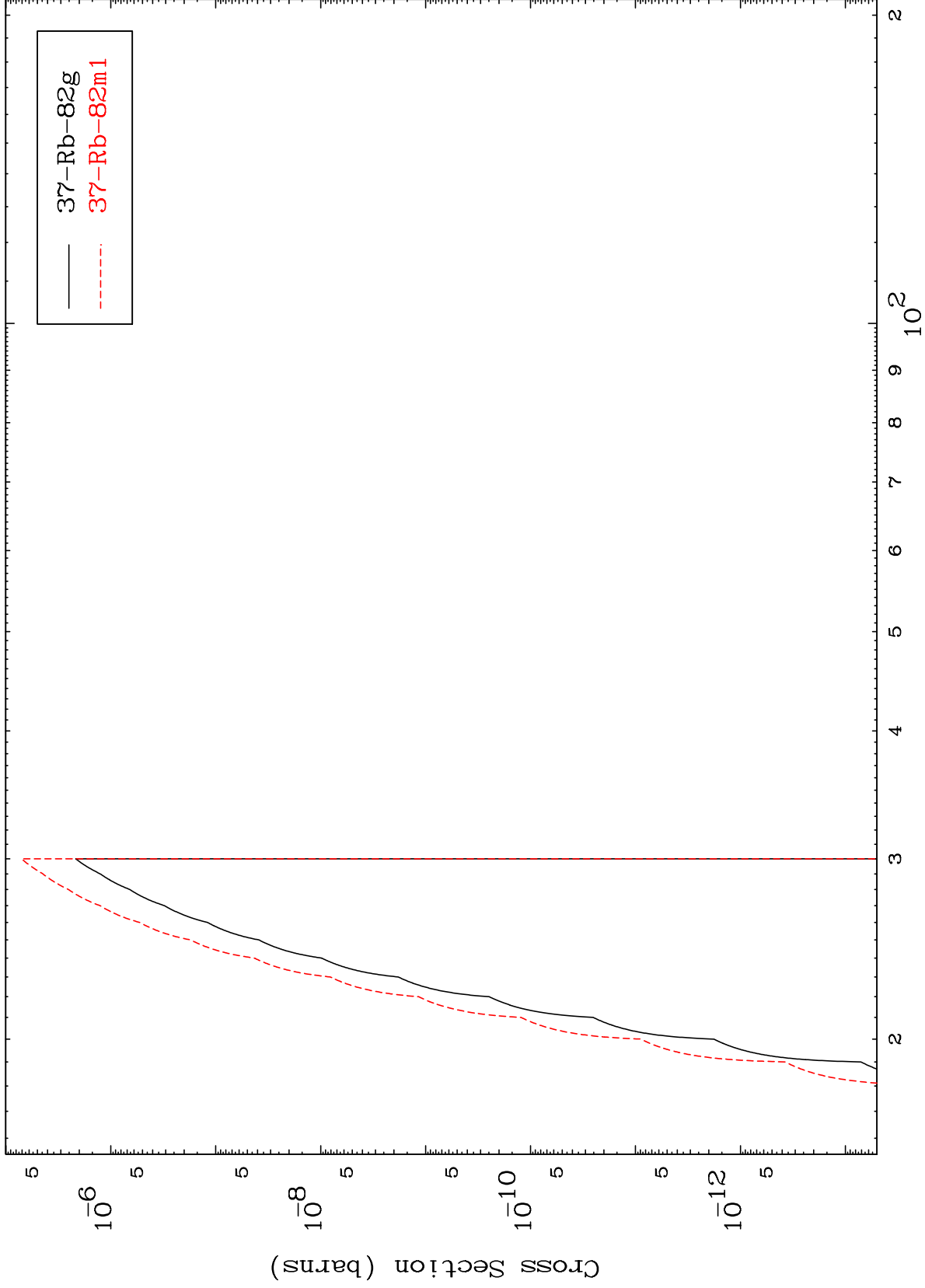
40-Zr-87

MAT 4017

(n,d) α

40-Zr-87

Radionuclide Production Cross Section



35

Incident Energy (MeV)

40-Zr-87