

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

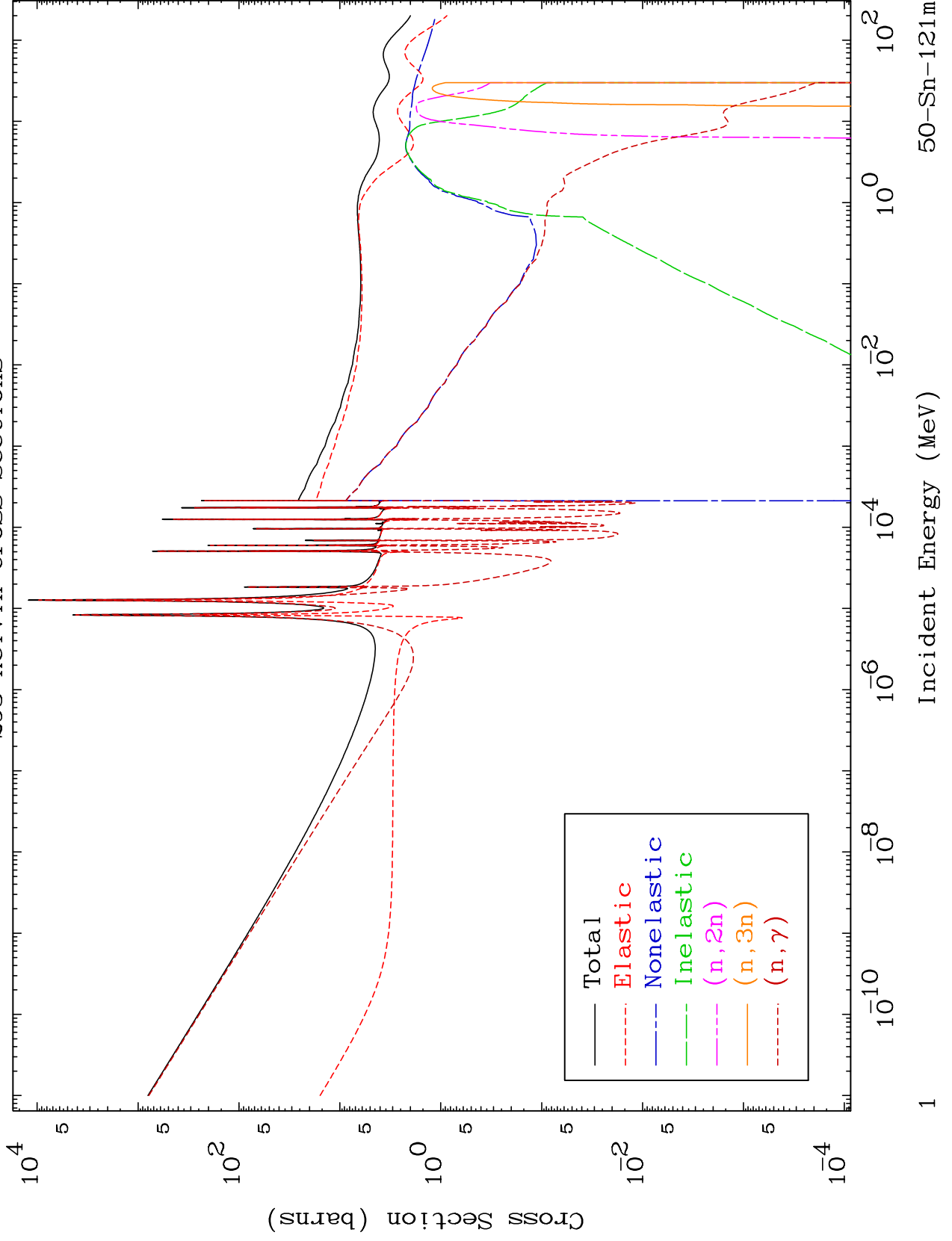
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5053

Neutron Major
293 Kelvin Cross Sections

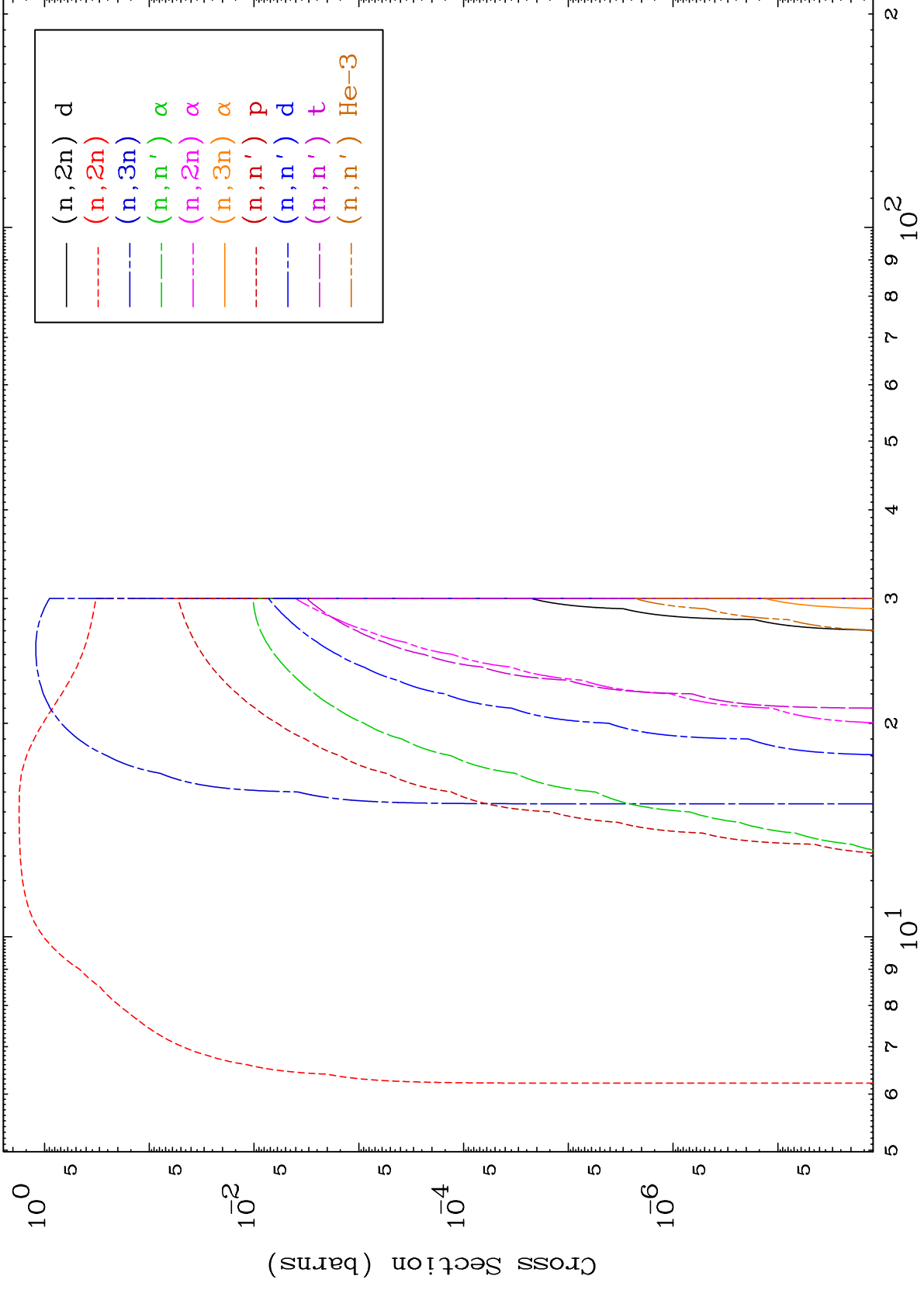
50-Sn-121m

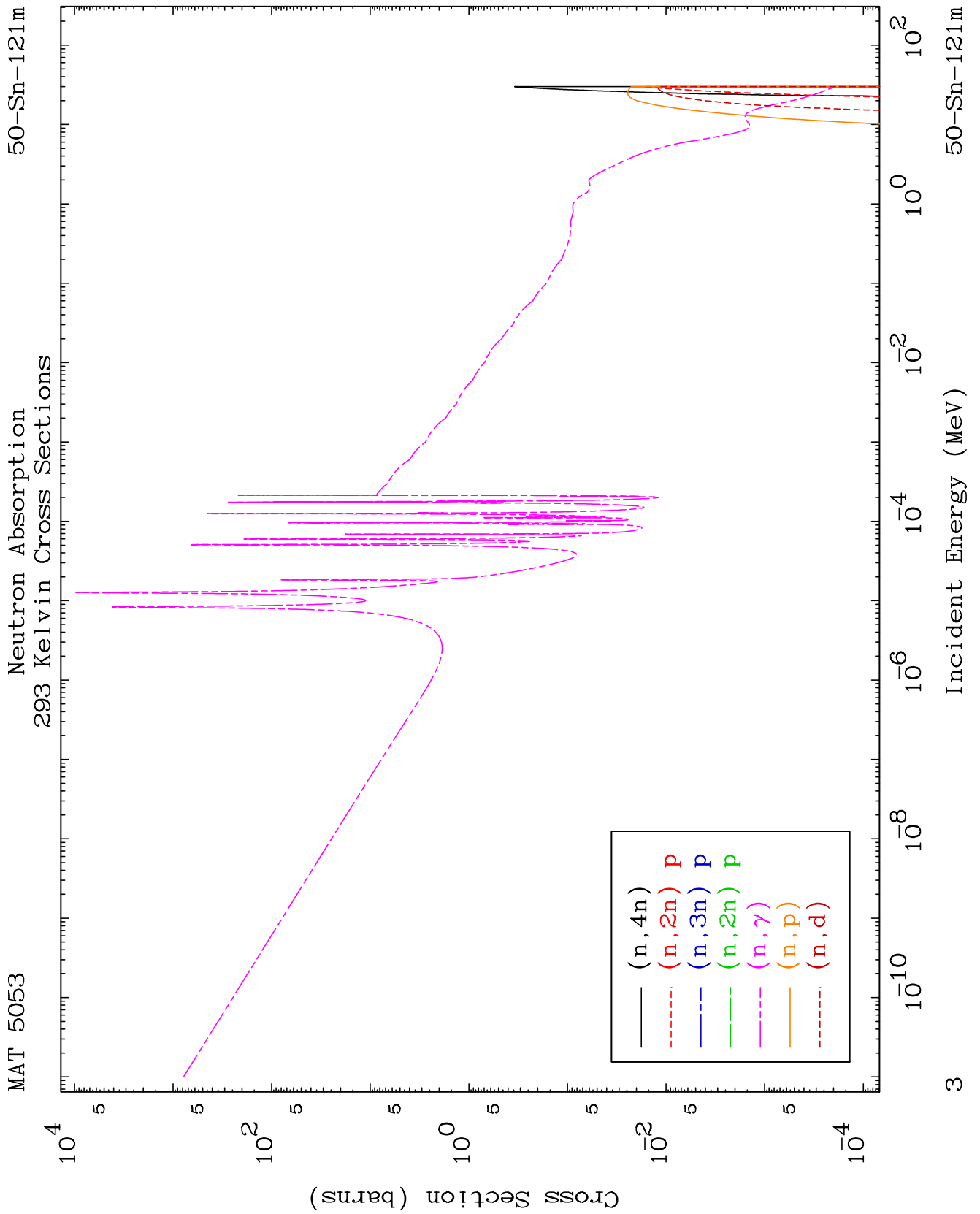


MAT 5053

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-121m

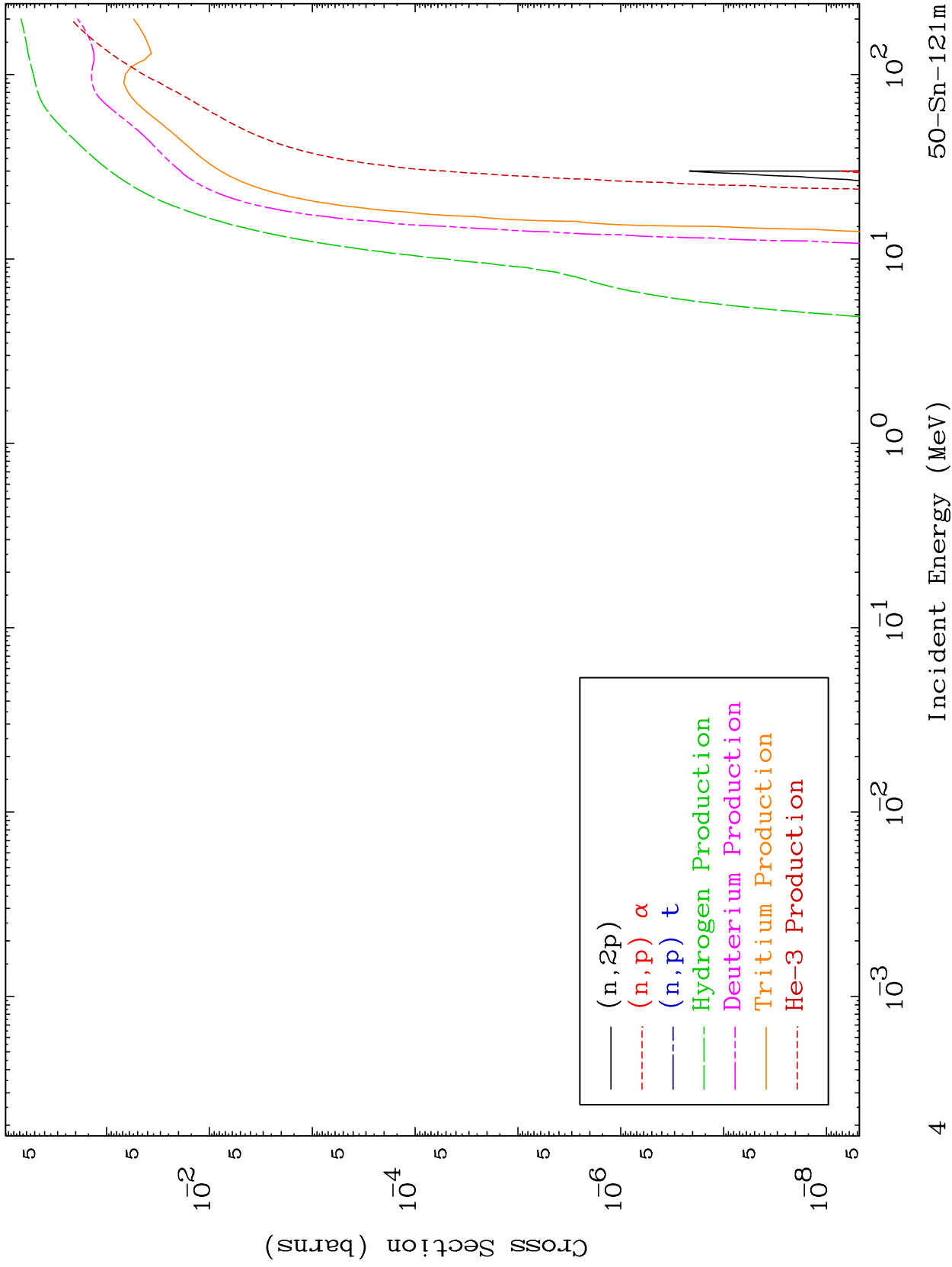




MAT 5053

Neutron Absorption
293 Kelvin Cross Sections

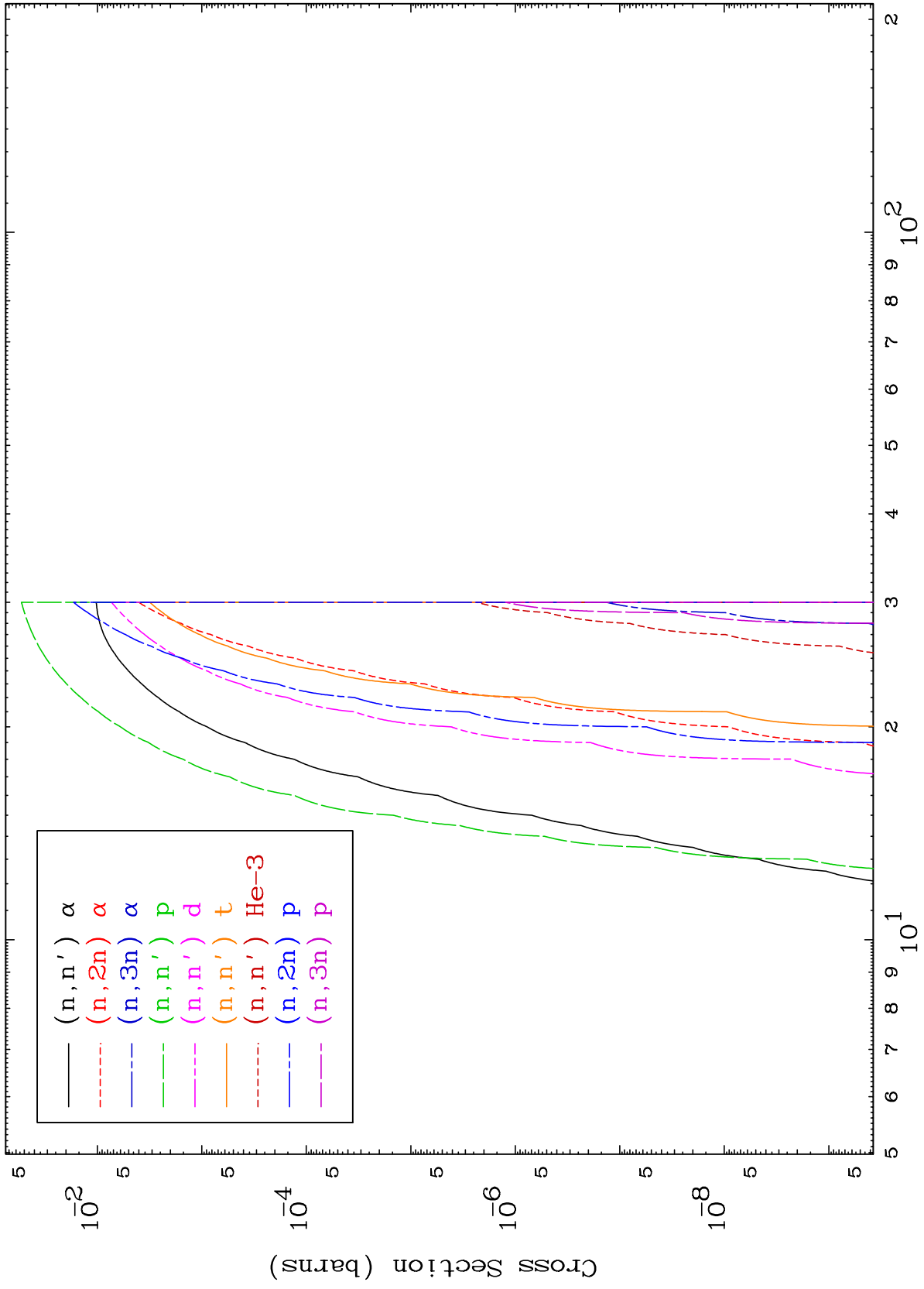
50-Sn-121m



MAT 5053

Charged Particle
293 Kelvin Cross Sections

50-Sn-121m



5

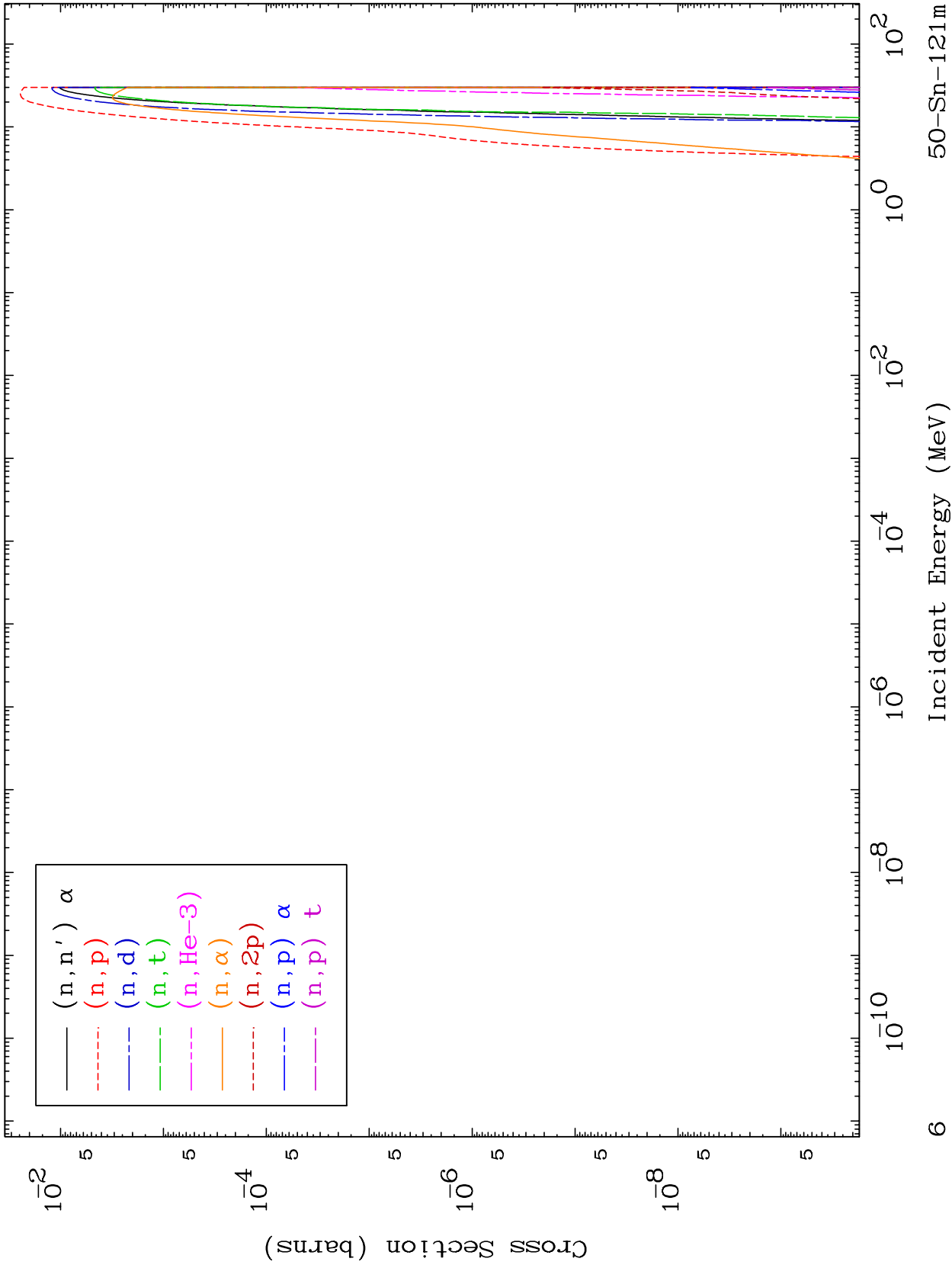
Incident Energy (MeV)

50-Sn-121m

MAT 5053

Charged Particle
293 Kelvin Cross Sections

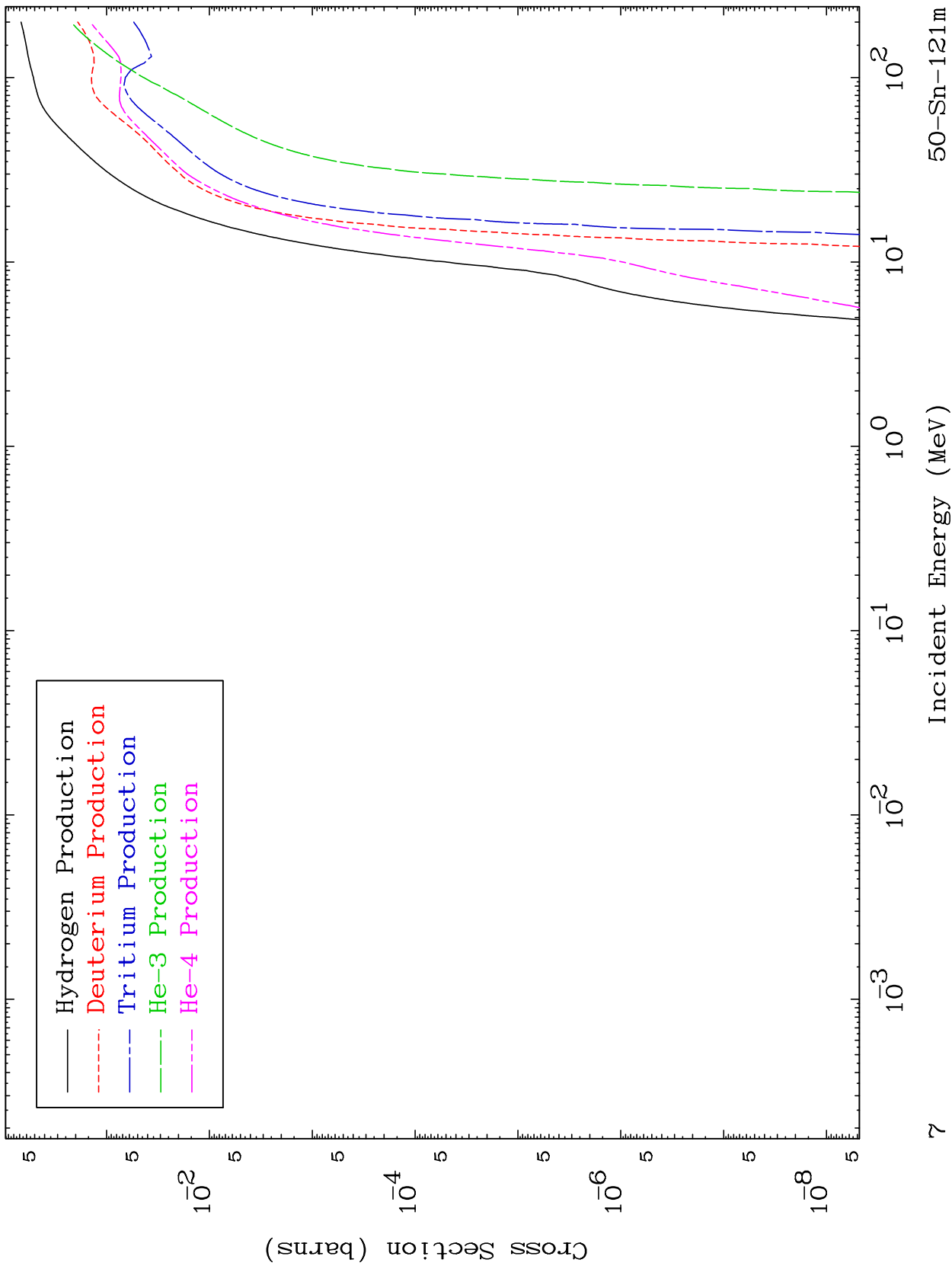
50-Sn-121m



MAT 5053

Particle Production
293 Kelvin Cross Sections

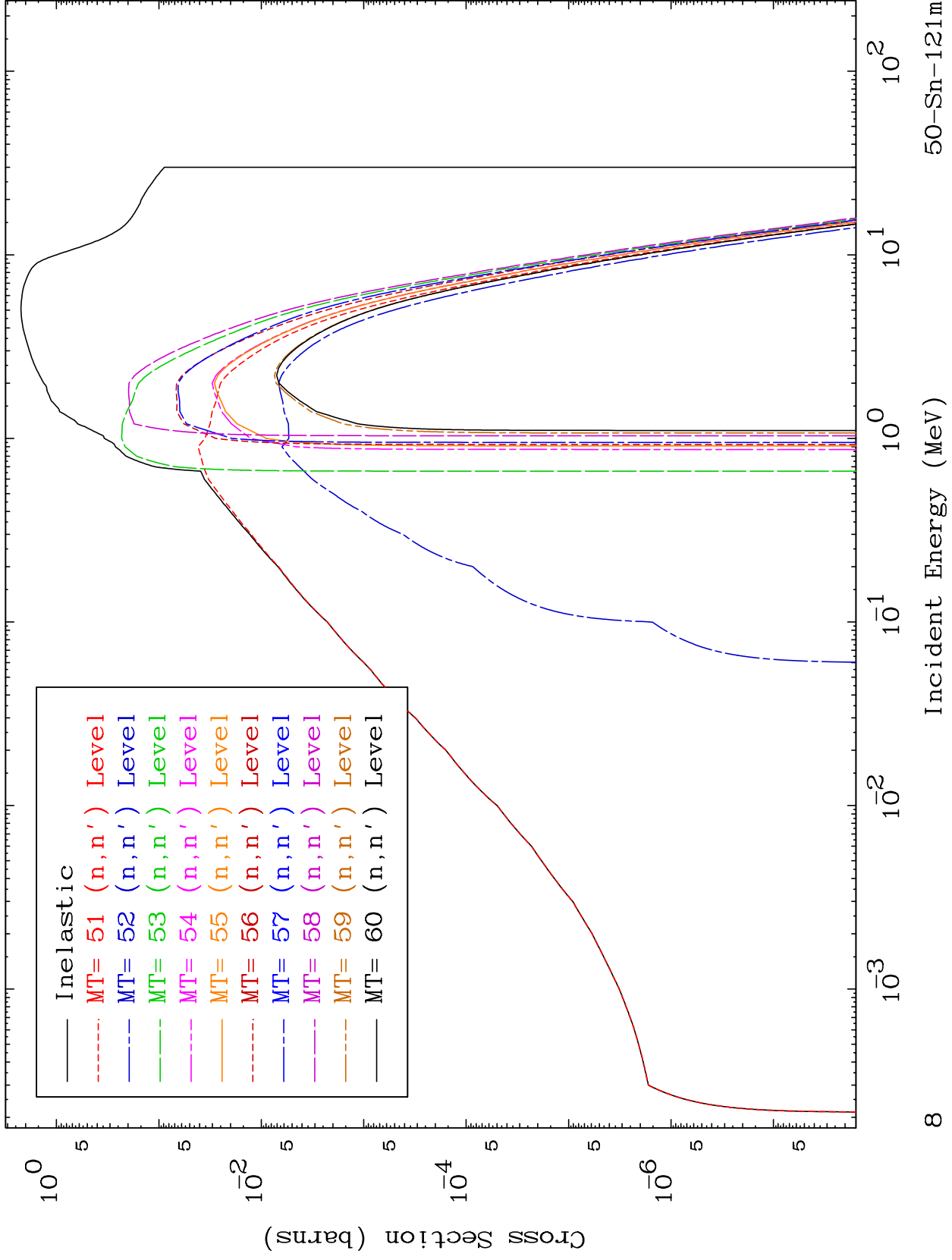
50-Sn-121m



MAT 5053

(n,n') Levels
293 Kelvin Cross Sections

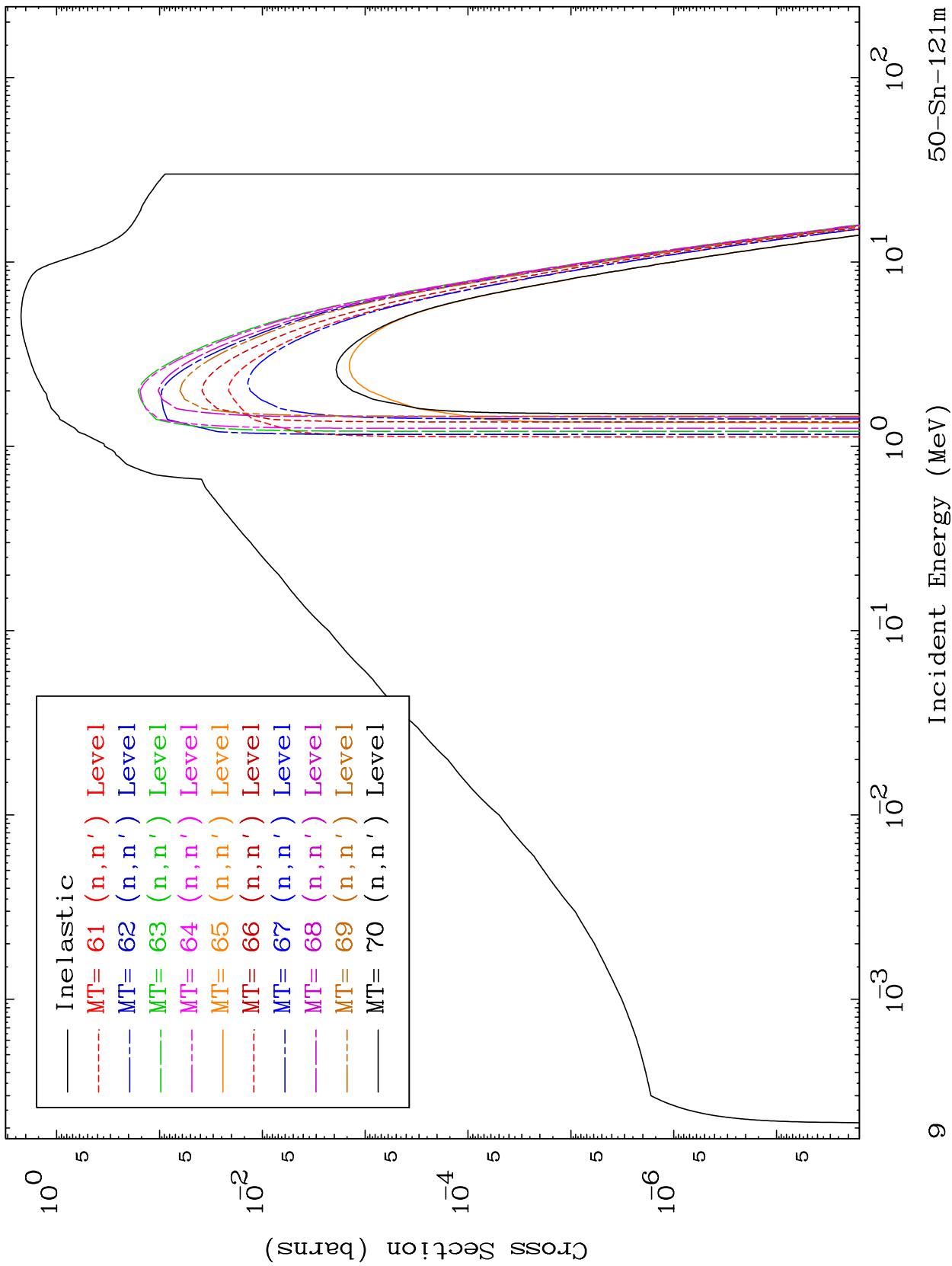
50-Sn-121m



MAT 5053

(n,n') Levels
293 Kelvin Cross Sections

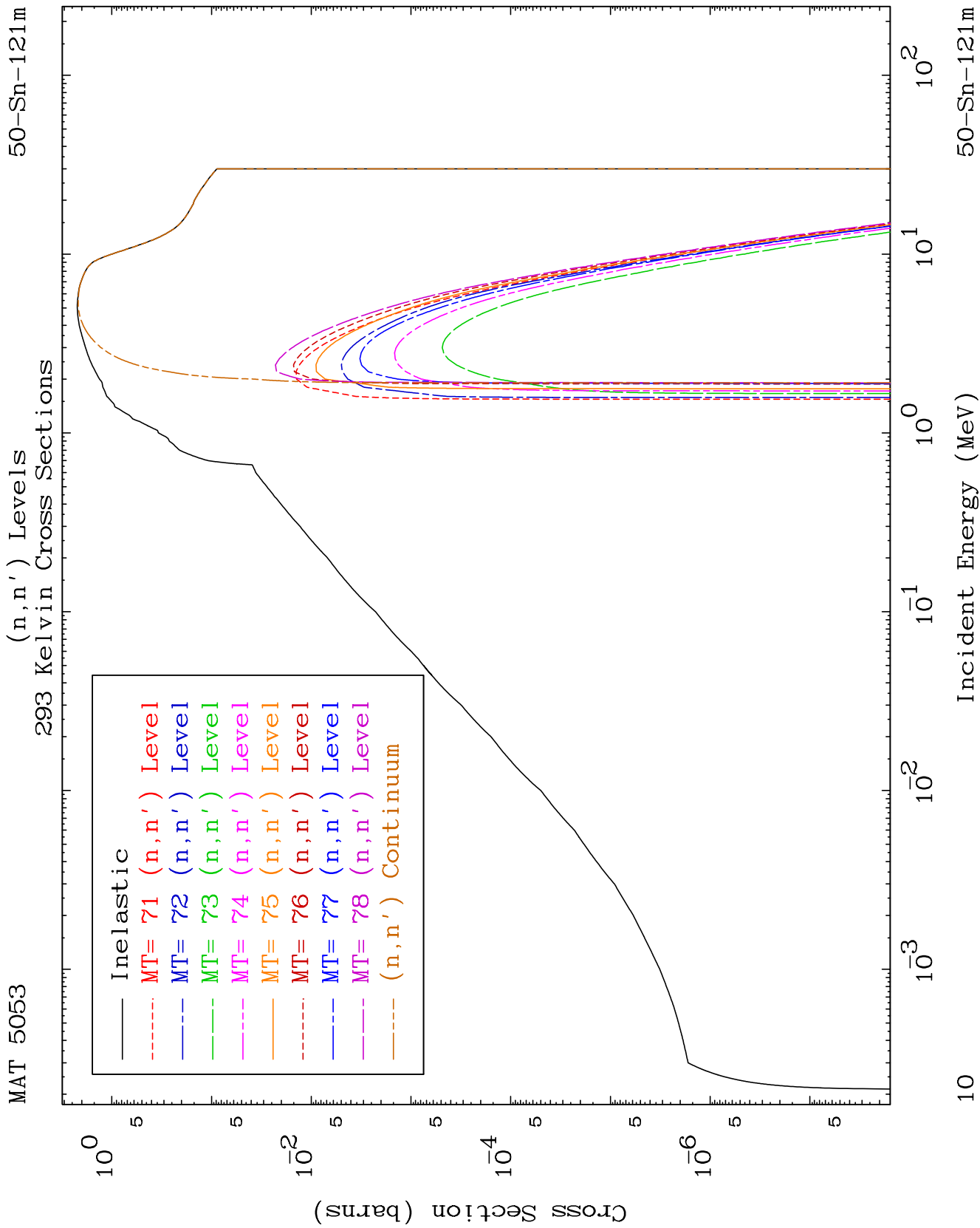
50-Sn-121m



MAT 5053

50-Sn-121m

(n,n') Levels
293 Kelvin Cross Sections



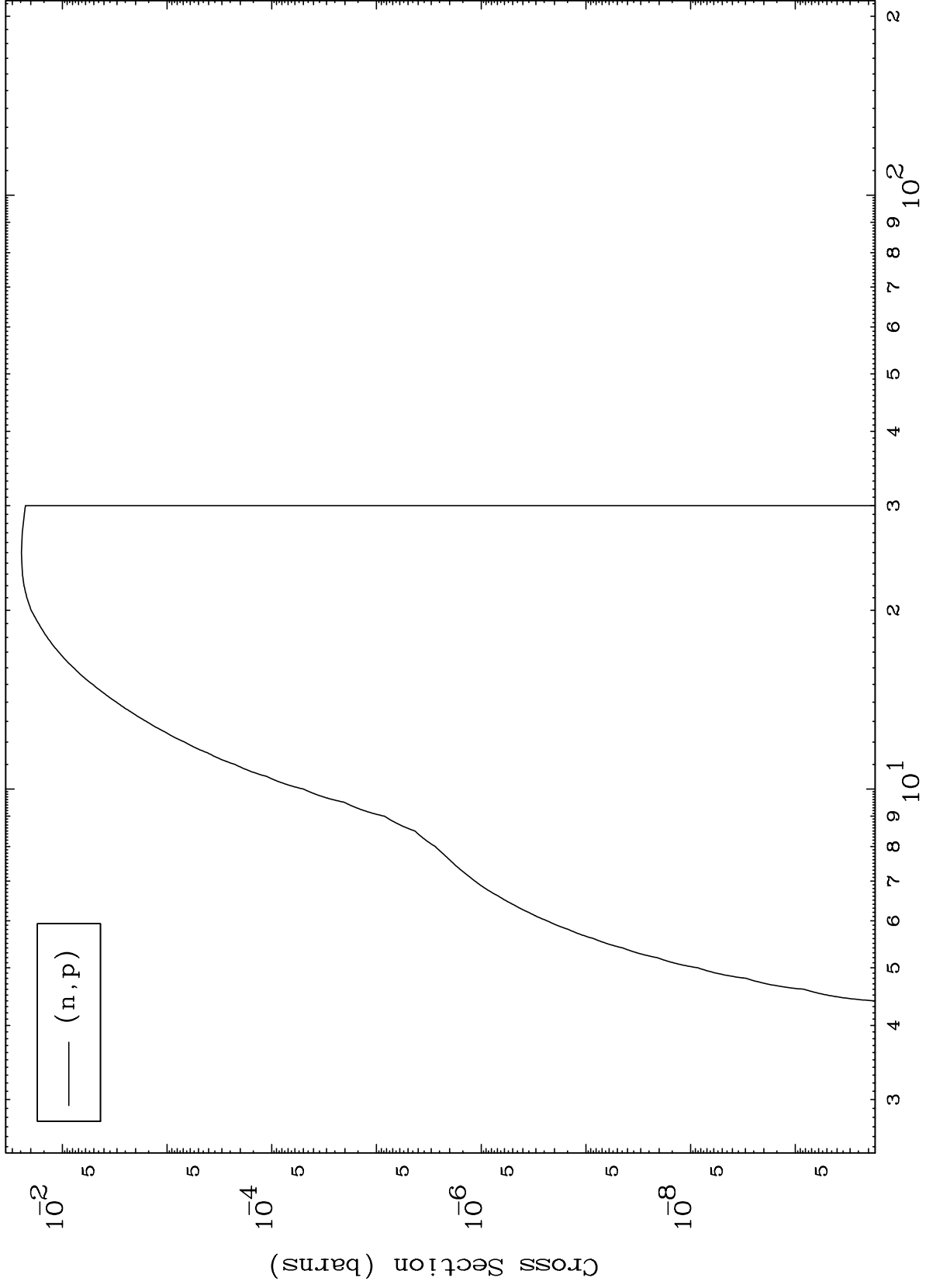
10

50-Sn-121m

MAT 5053

(n,p) Levels
293 Kelvin Cross Sections

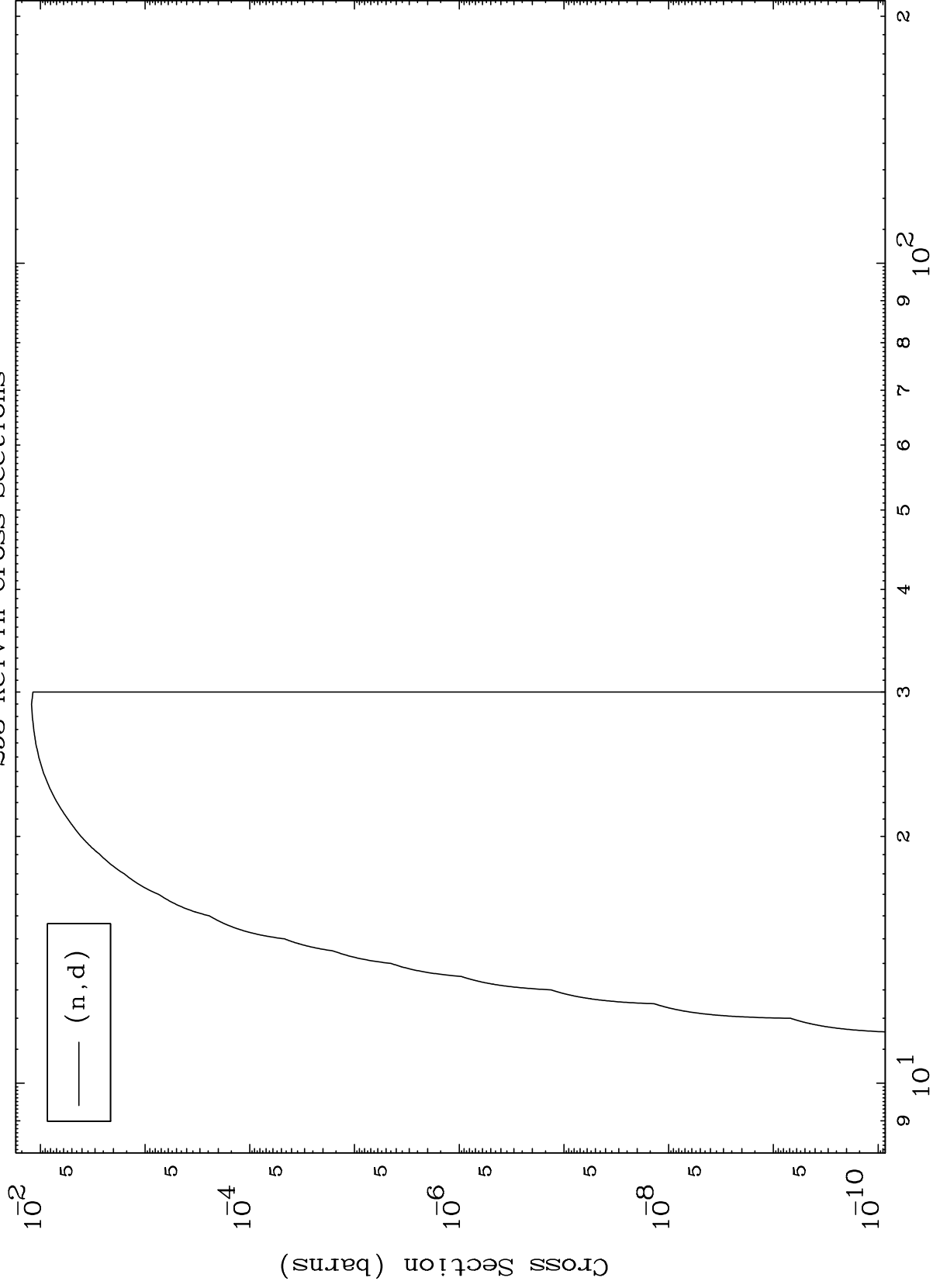
50-Sn-121m



MAT 5053

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-121m



50-Sn-121m

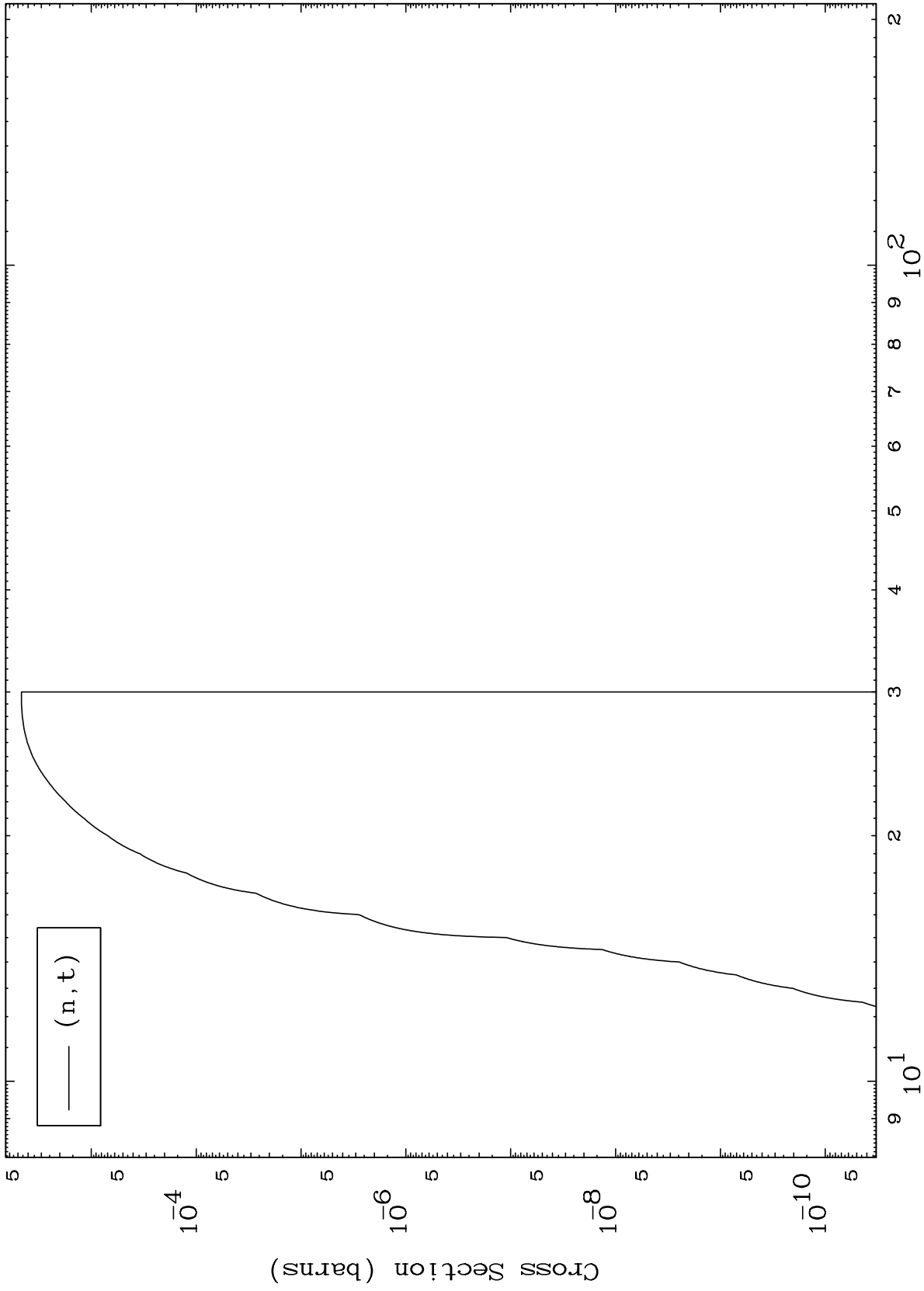
Incident Energy (MeV)

12

MAT 5053

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-121m



13

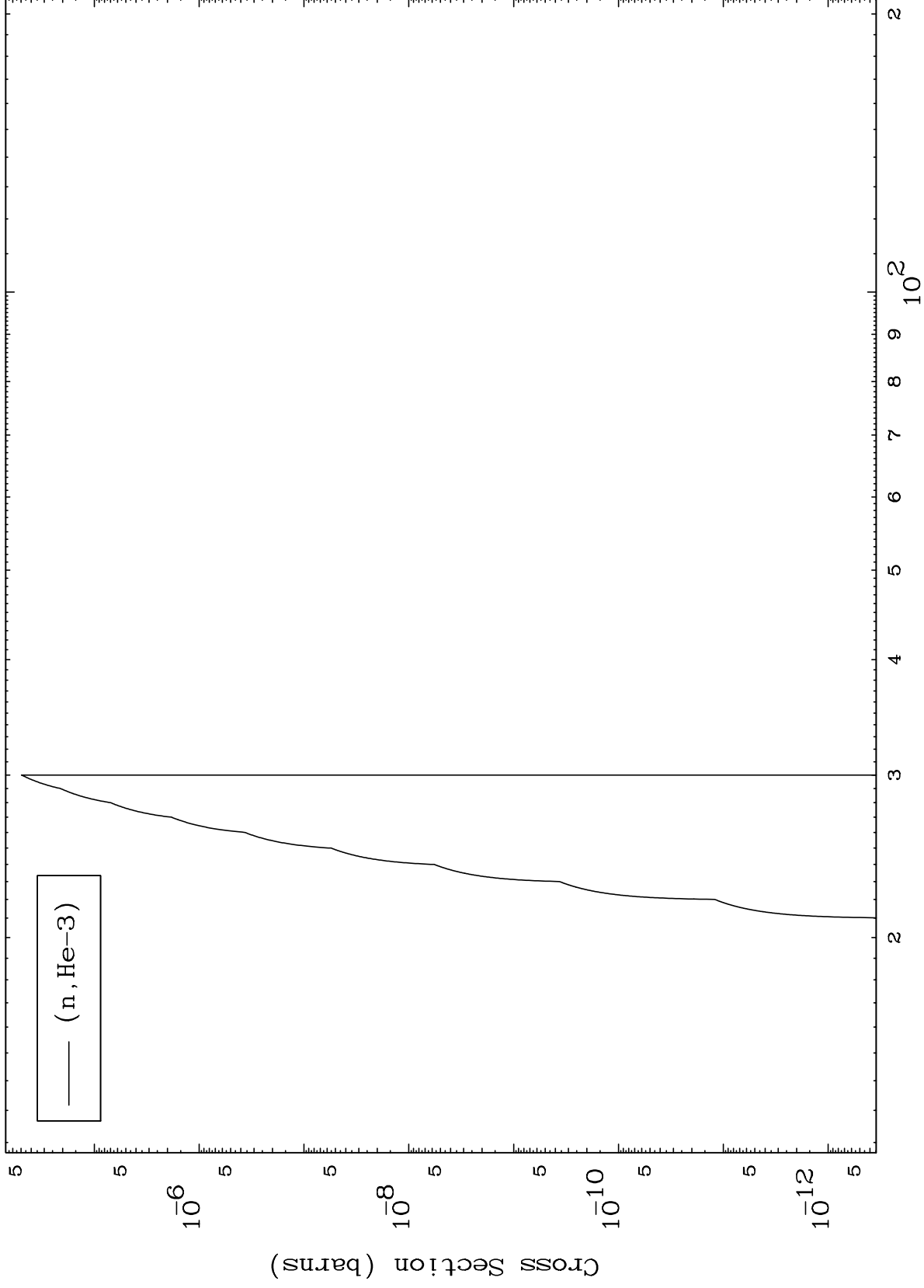
Incident Energy (MeV)

50-Sn-121m

MAT 5053

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-121m



14

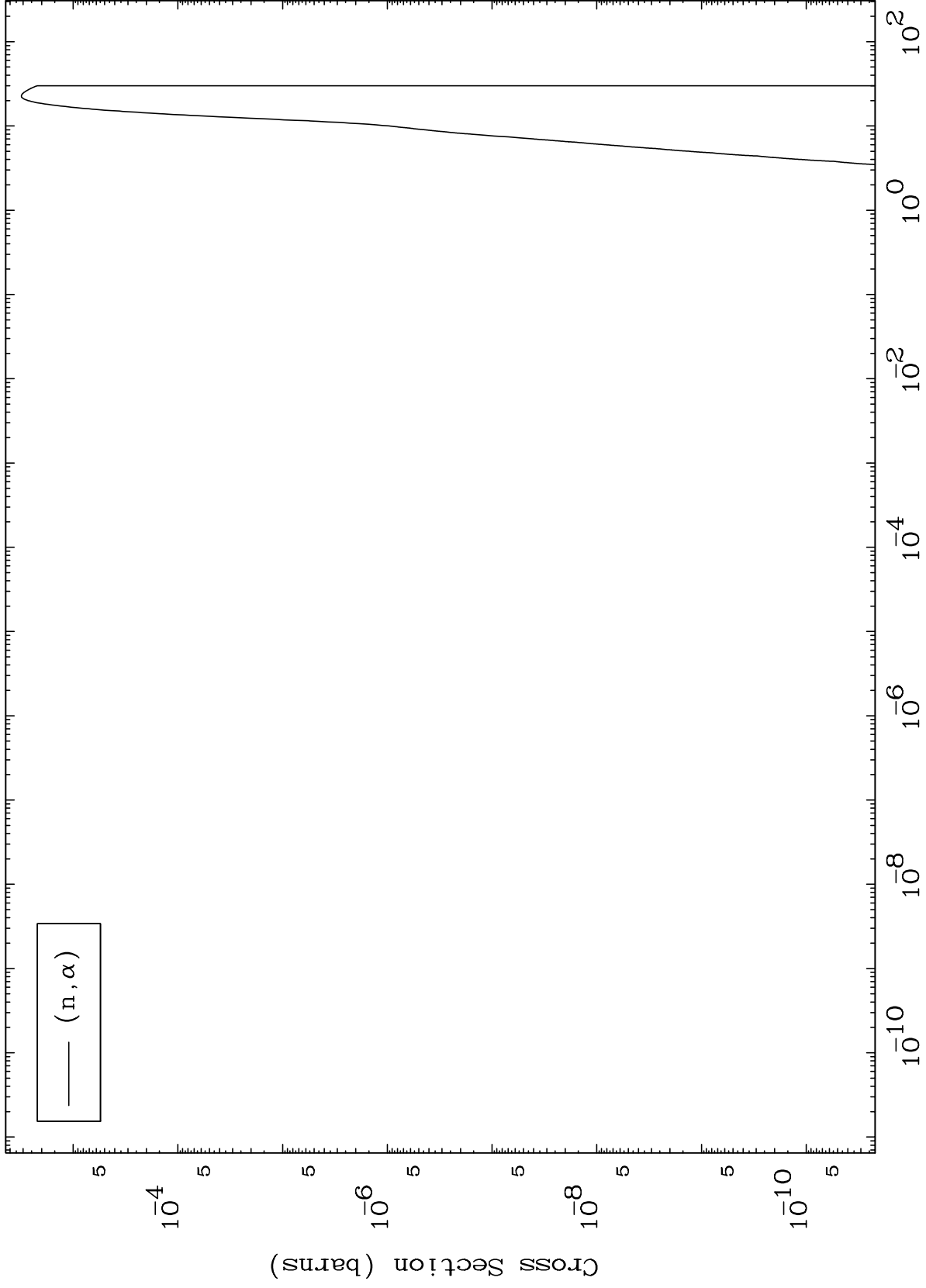
Incident Energy (MeV)

50-Sn-121m

MAT 5053

(n, α) Levels
293 Kelvin Cross Sections

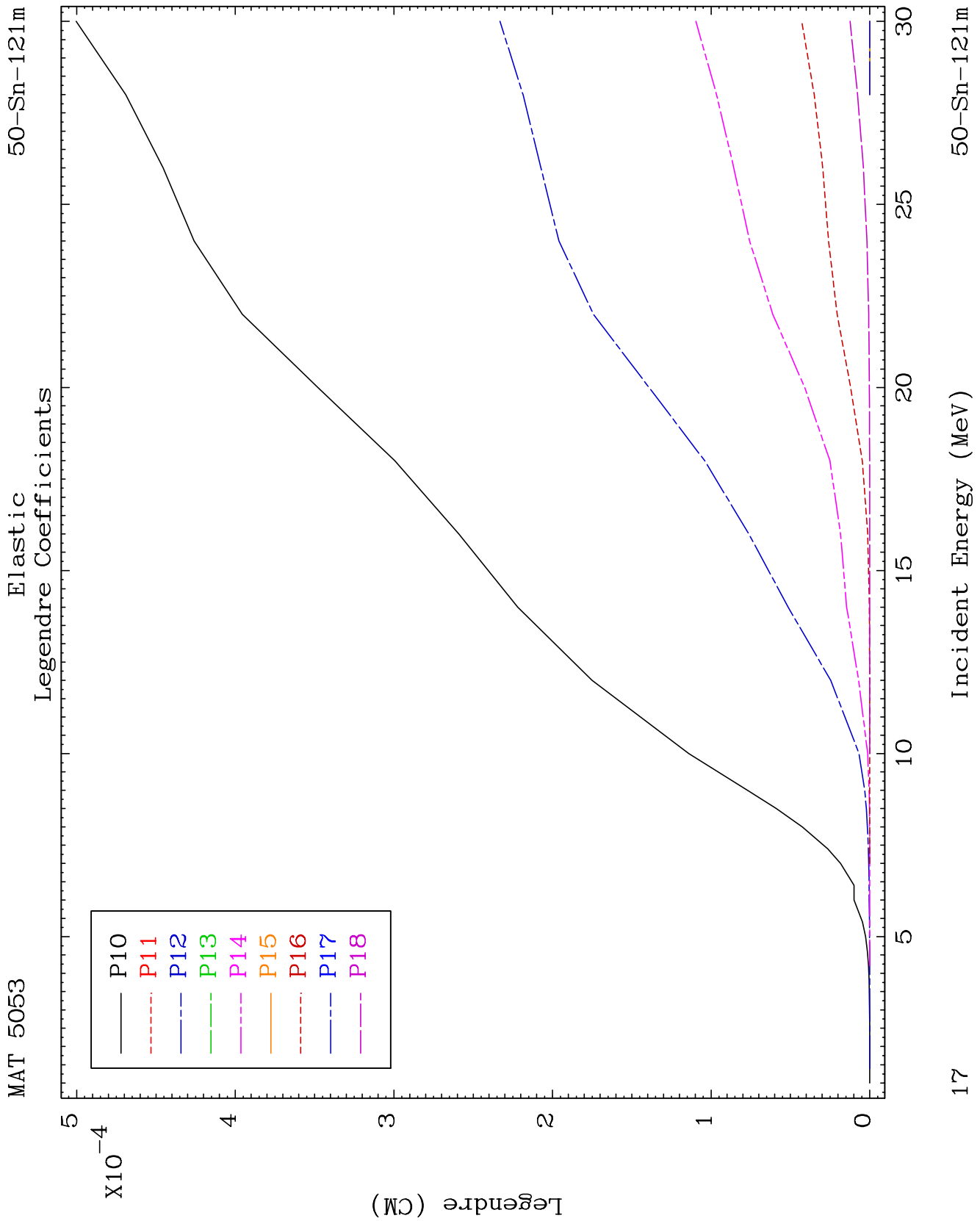
50-Sn-121m



15

Incident Energy (MeV)

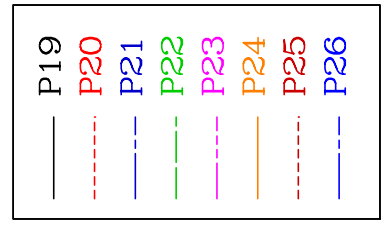
50-Sn-121m



MAT 5053

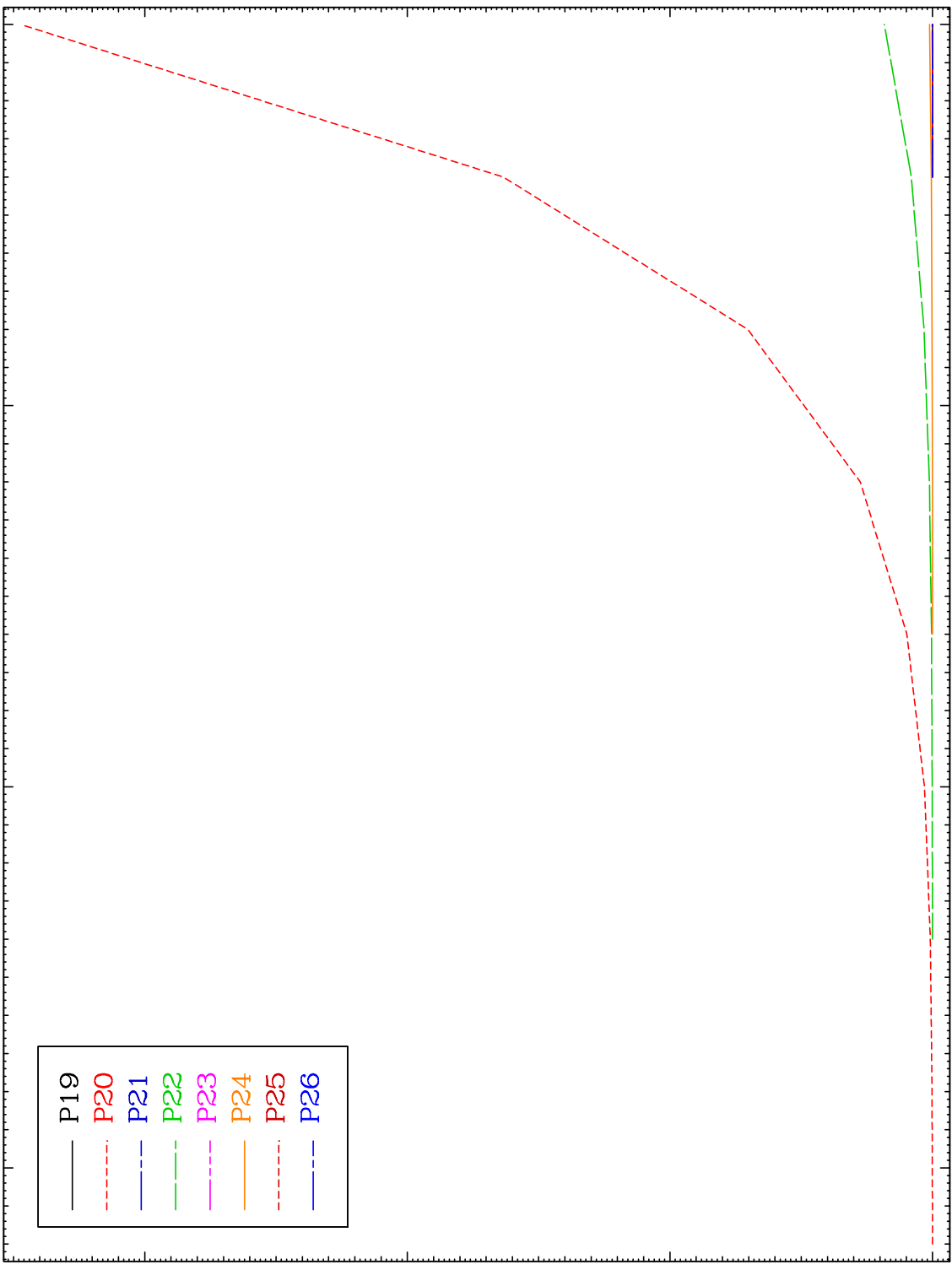
Elastic Legendre Coefficients

50-Sn-121m



$\times 10^{-7}$

Legendre (CM)



30

25

20

15

18

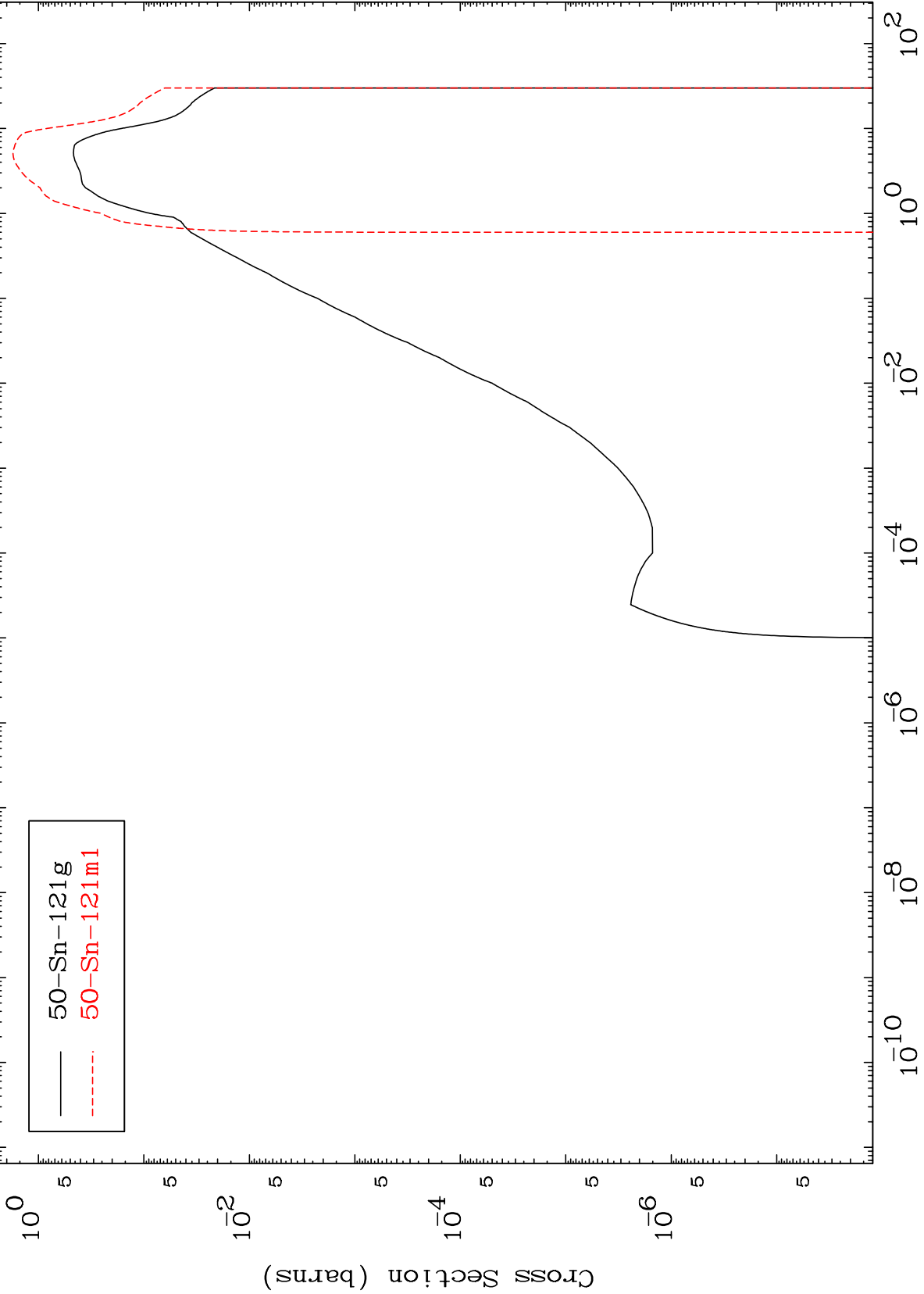
Incident Energy (MeV)

50-Sn-121m

MAT 5053

Inelastic
Radionuclide Production Cross Section

50-Sn-121m



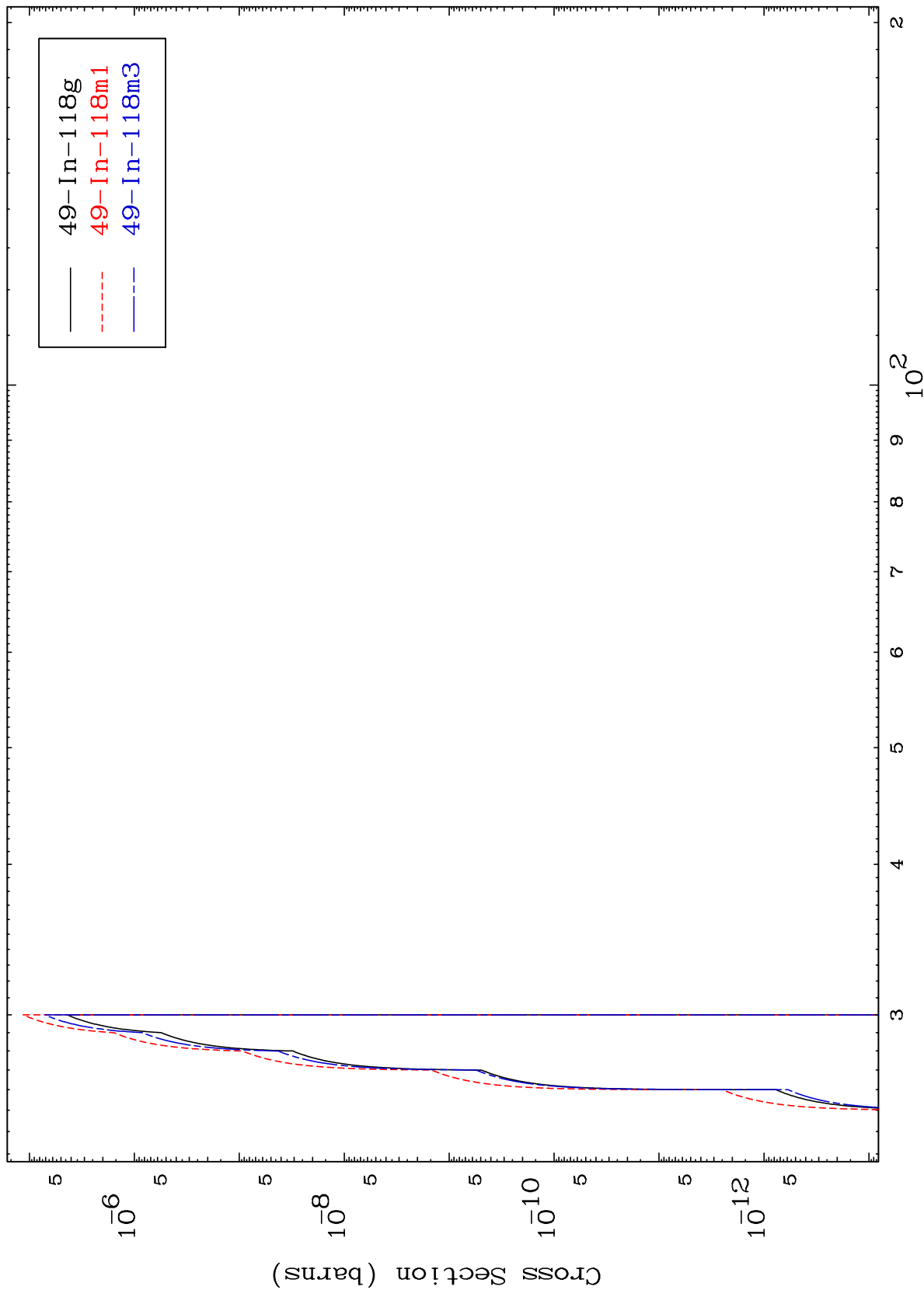
50-Sn-121g
50-Sn-121m1

MAT 5053

(n,2n) d

50-Sn-121m

Radionuclide Production Cross Section



20

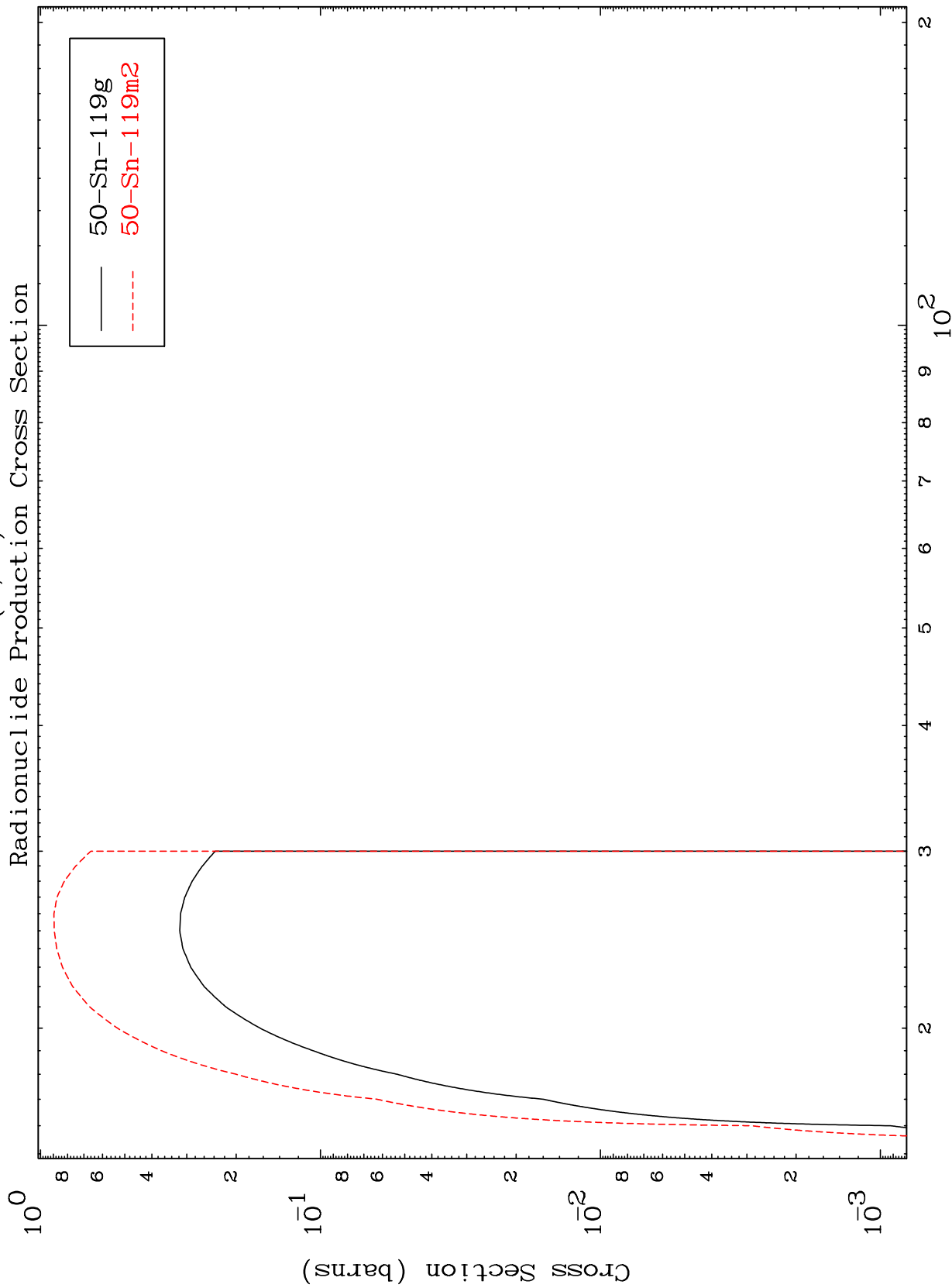
Incident Energy (MeV)

50-Sn-121m

MAT 5053

50-Sn-121m

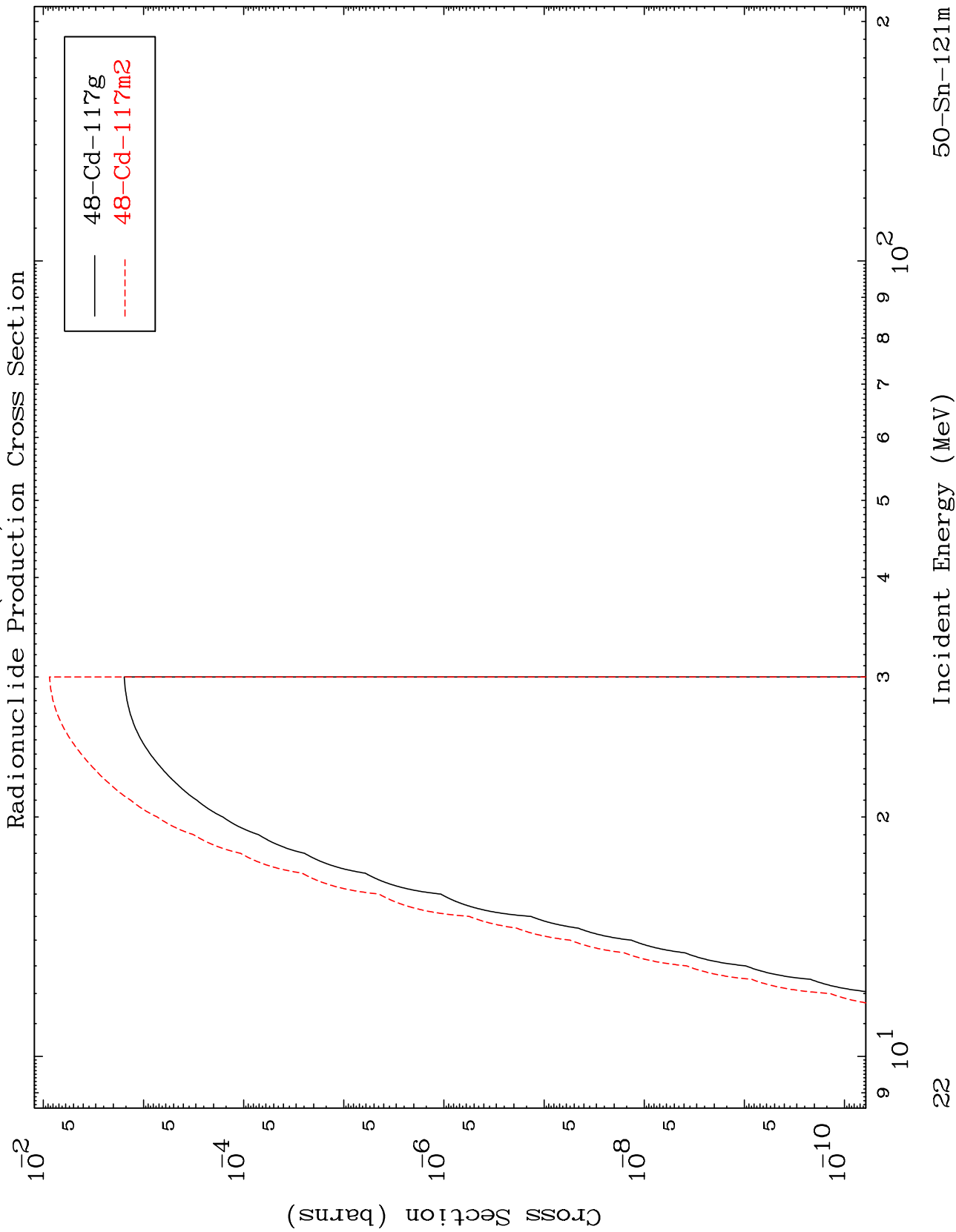
(n,3n)
Radionuclide Production Cross Section



MAT 5053

$(n, n') \alpha$

50-Sn-121m



22

Incident Energy (MeV)

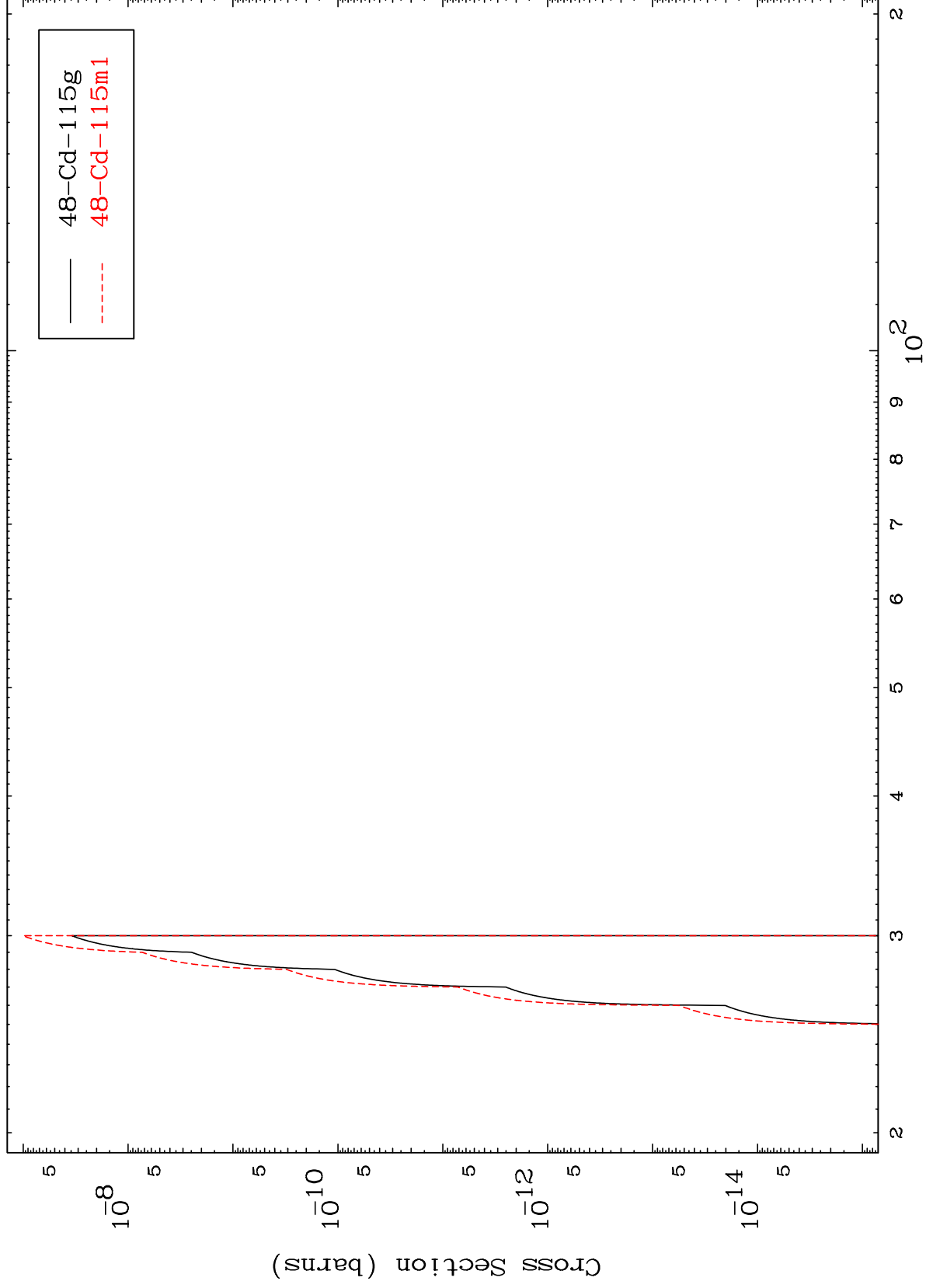
50-Sn-121m

MAT 5053

(n,3n) α

50-Sn-121m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

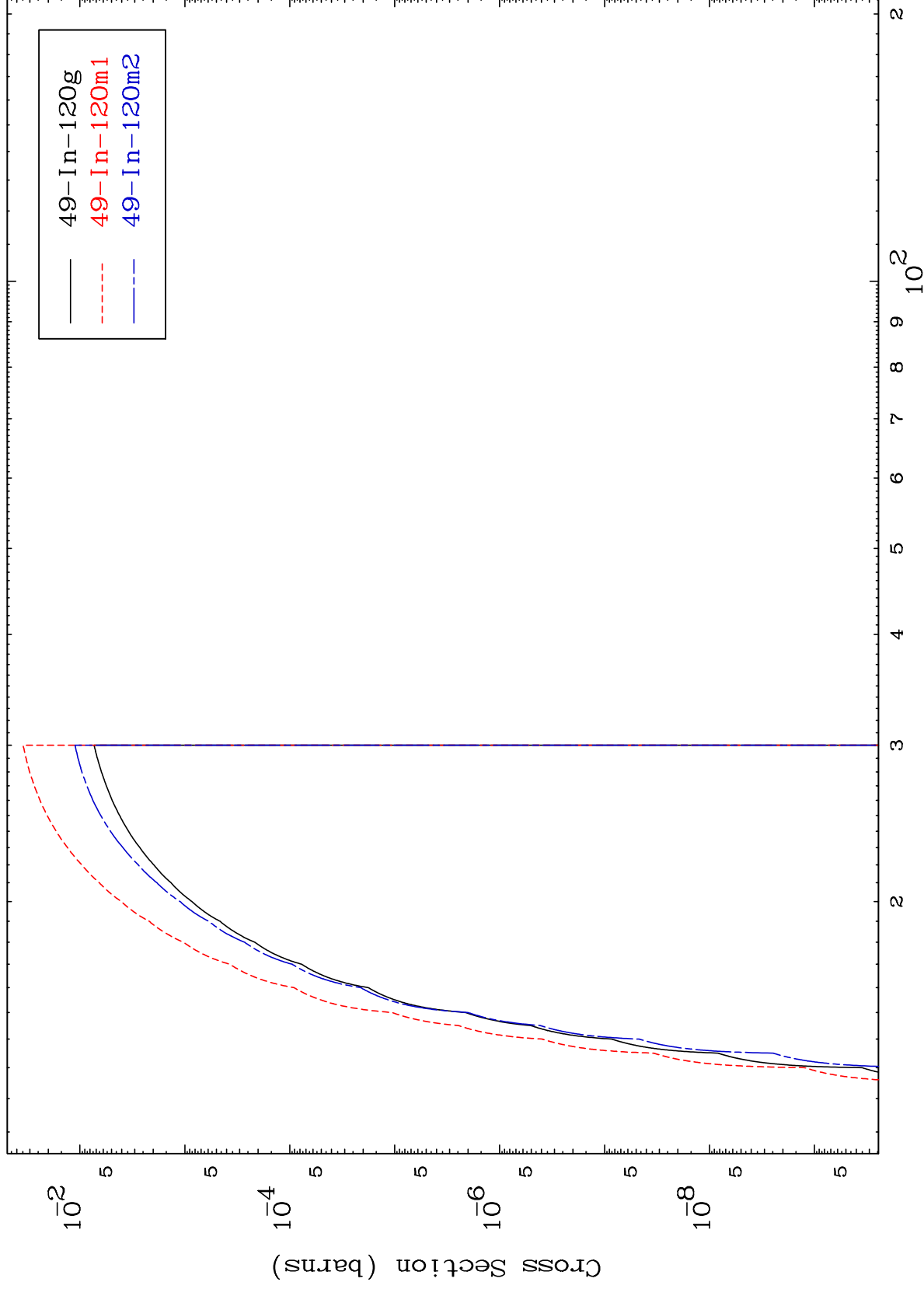
50-Sn-121m

MAT 5053

(n,n') p

50-Sn-121m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

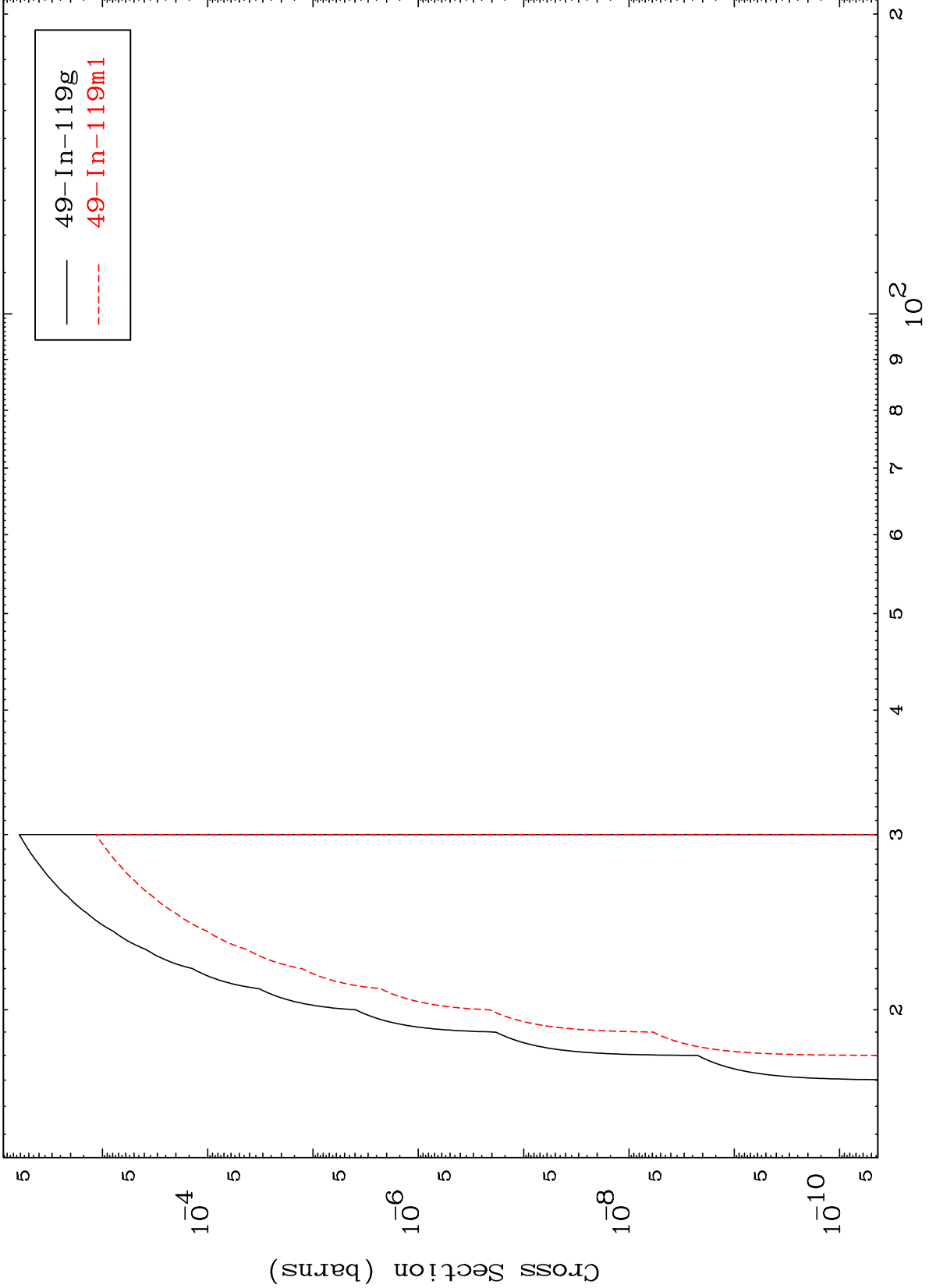
50-Sn-121m

MAT 5053

(n,n') d

50-Sn-121m

Radionuclide Production Cross Section

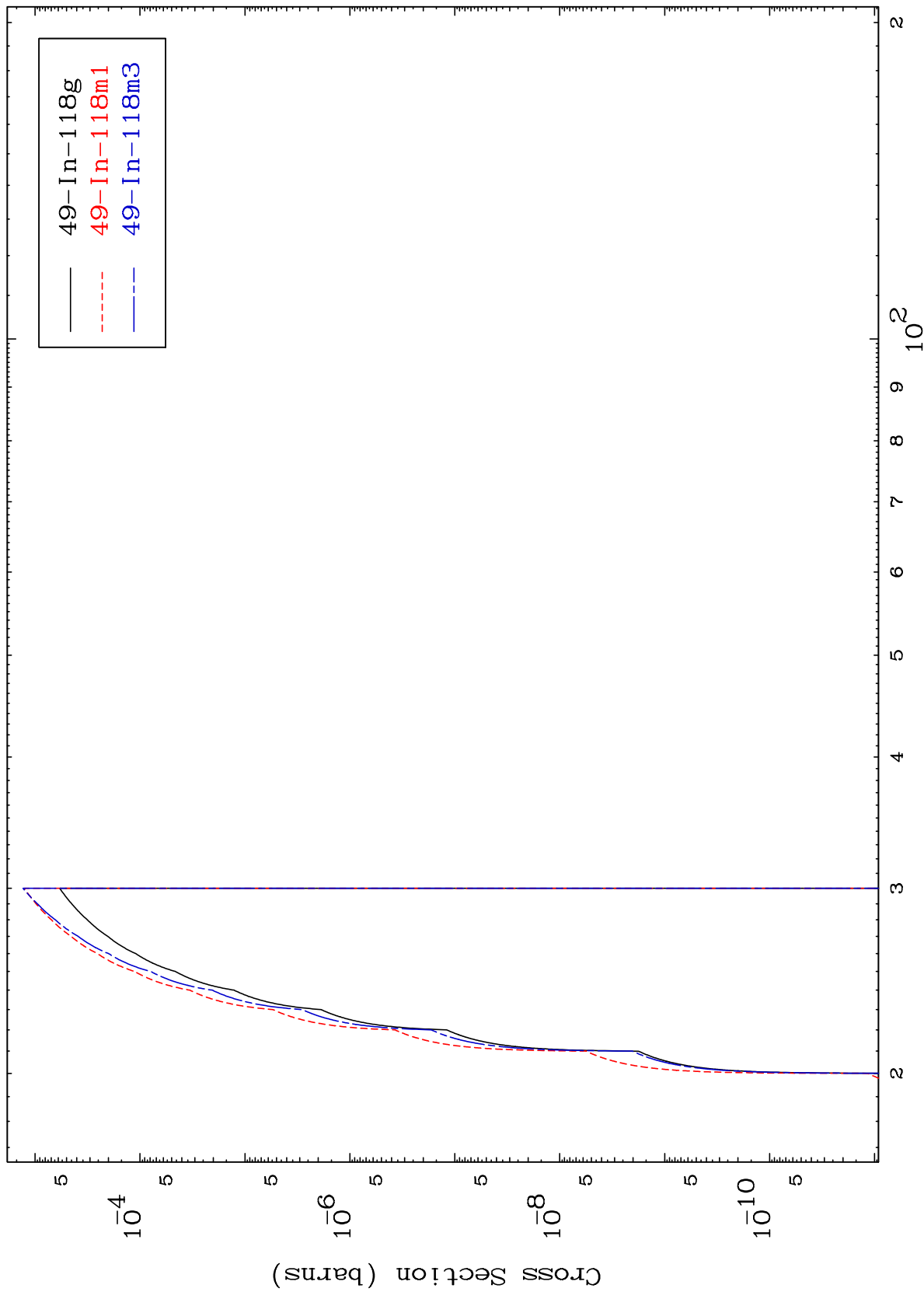


25

Incident Energy (MeV)

50-Sn-121m

Radionuclide Production Cross Section

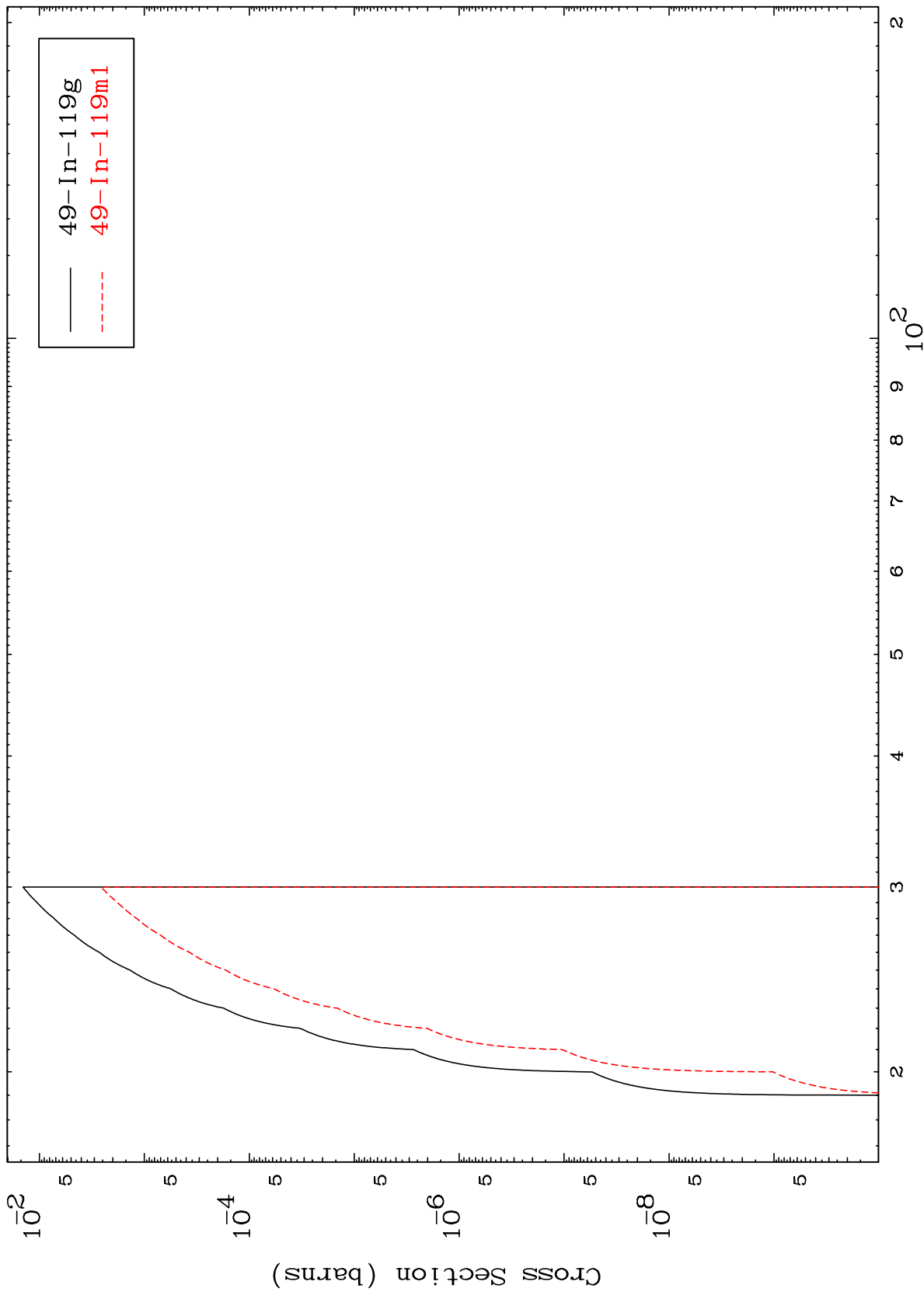


MAT 5053

(n,2n) p

50-Sn-121m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

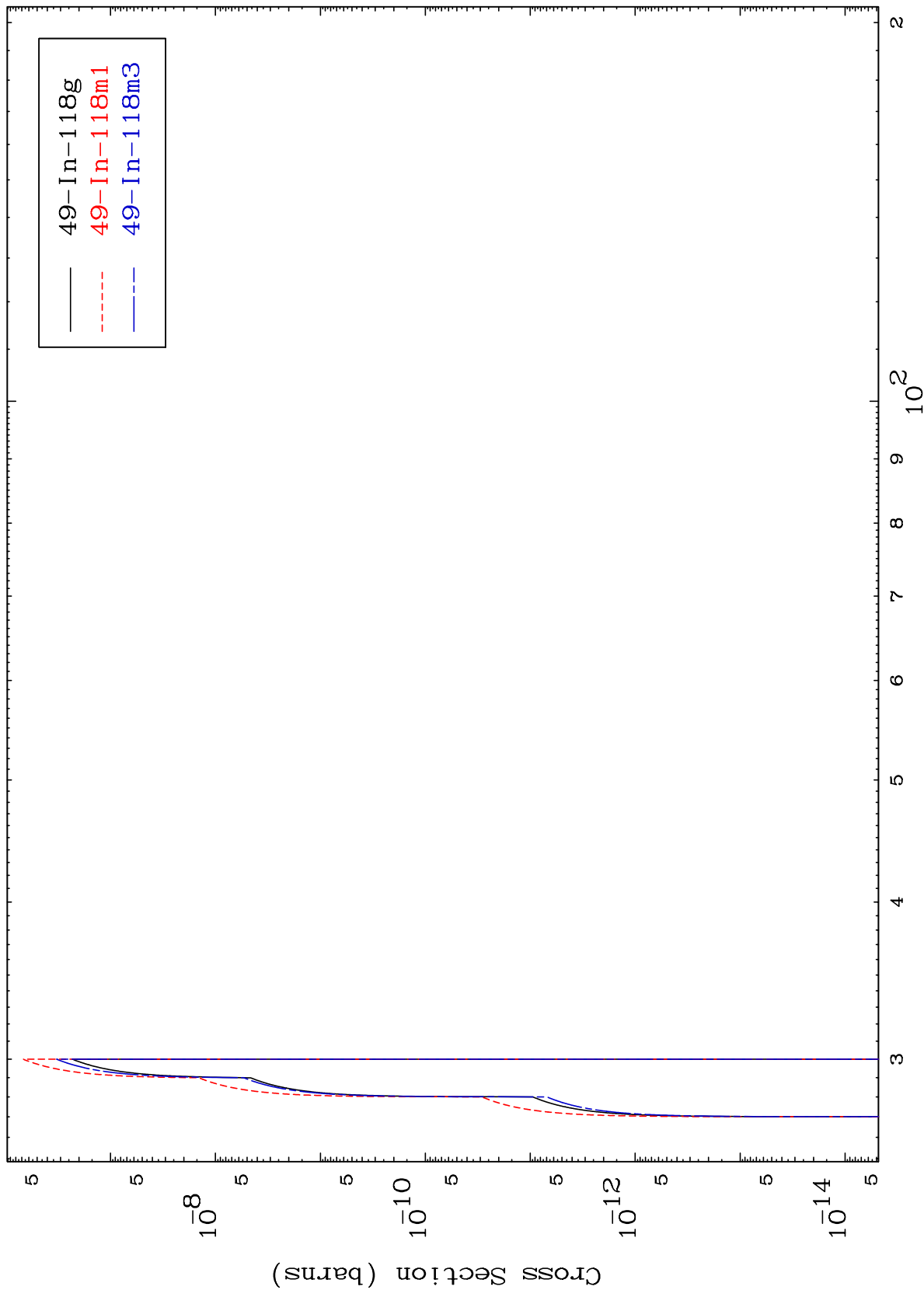
50-Sn-121m

MAT 5053

(n,3n) p

50-Sn-121m

Radionuclide Production Cross Section



28

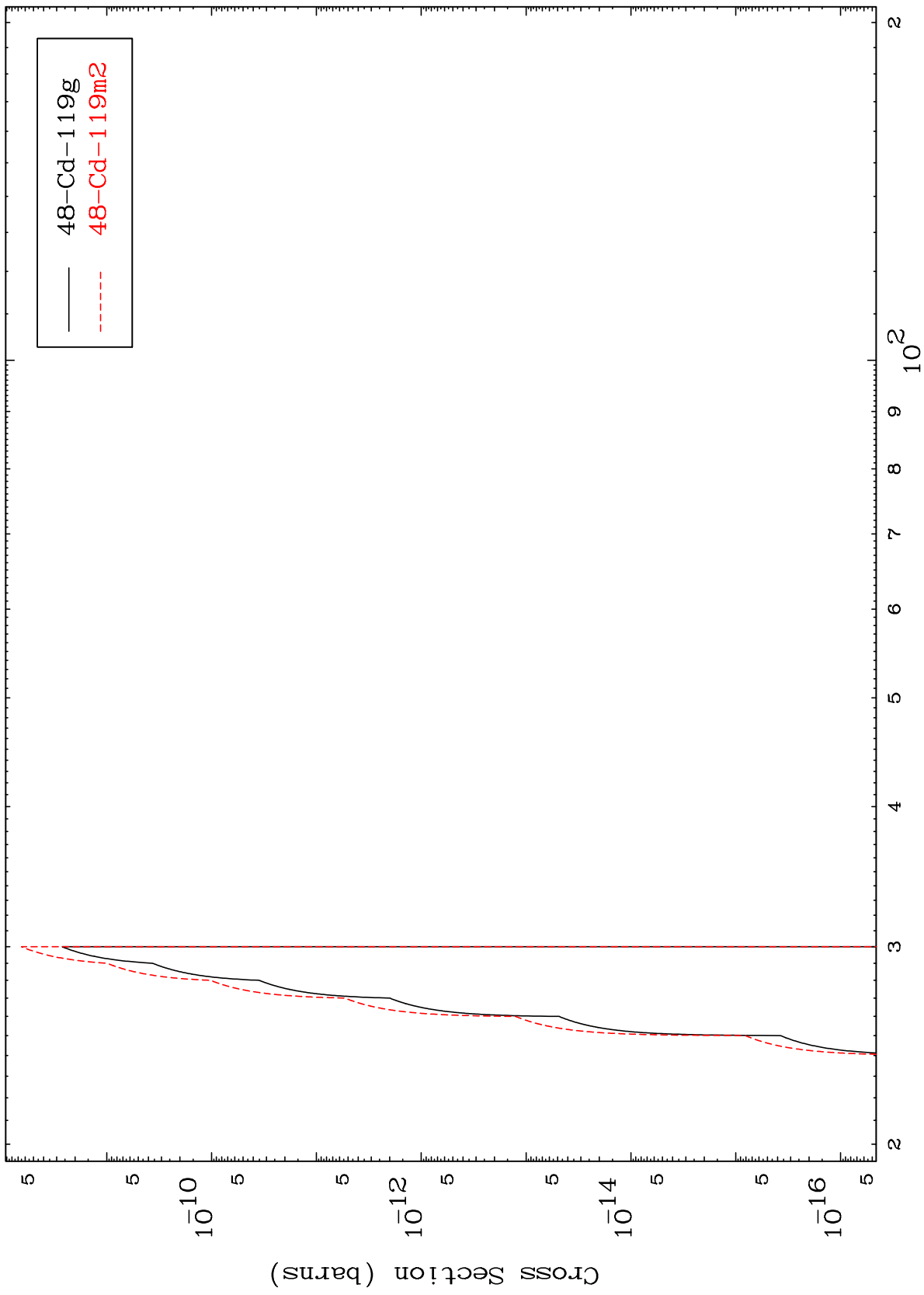
Incident Energy (MeV)

50-Sn-121m

MAT 5053

50-Sn-121m

(n,2n) p
Radionuclide Production Cross Section



50-Sn-121m

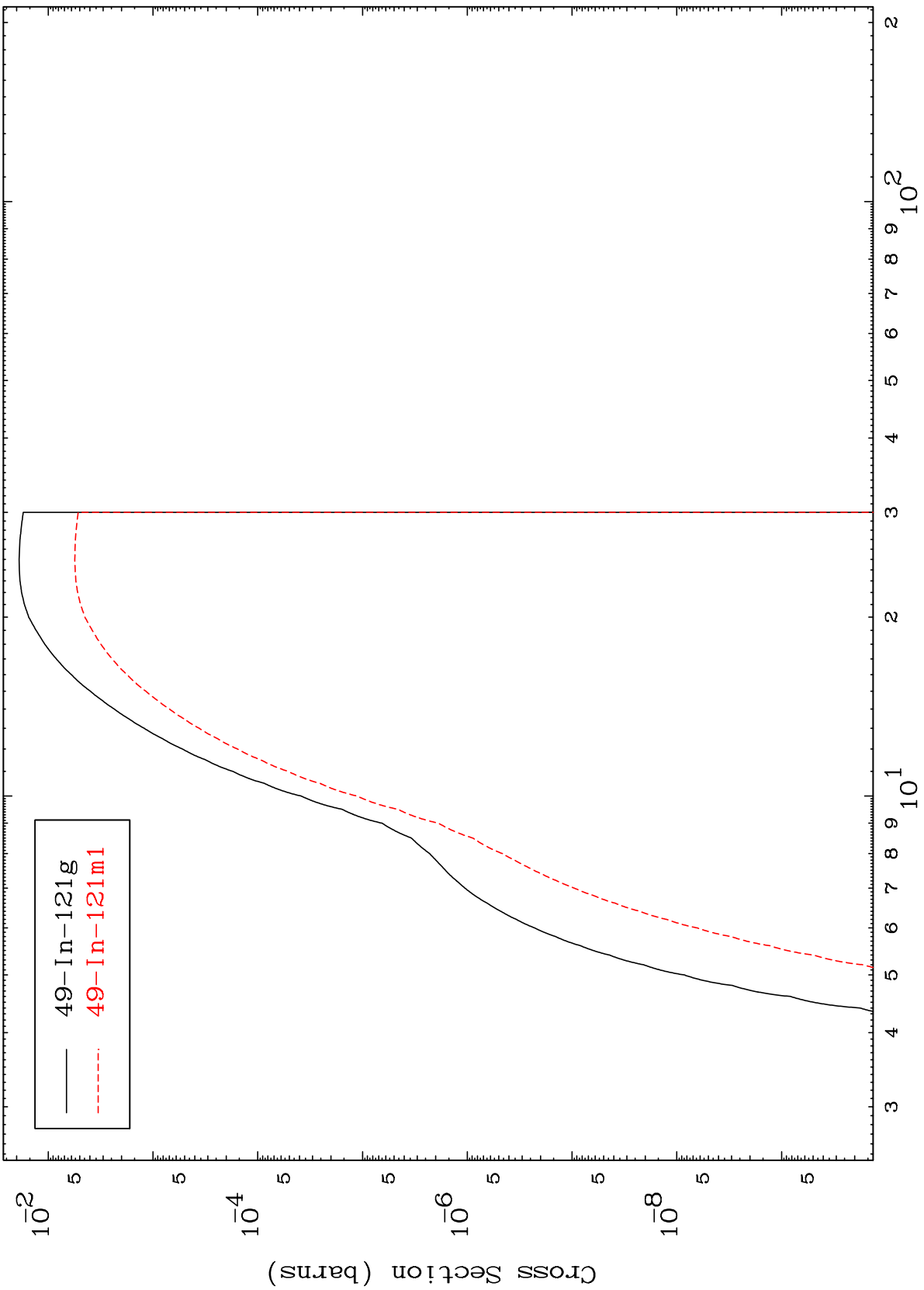
Incident Energy (MeV)

29

MAT 5053

50-Sn-121m

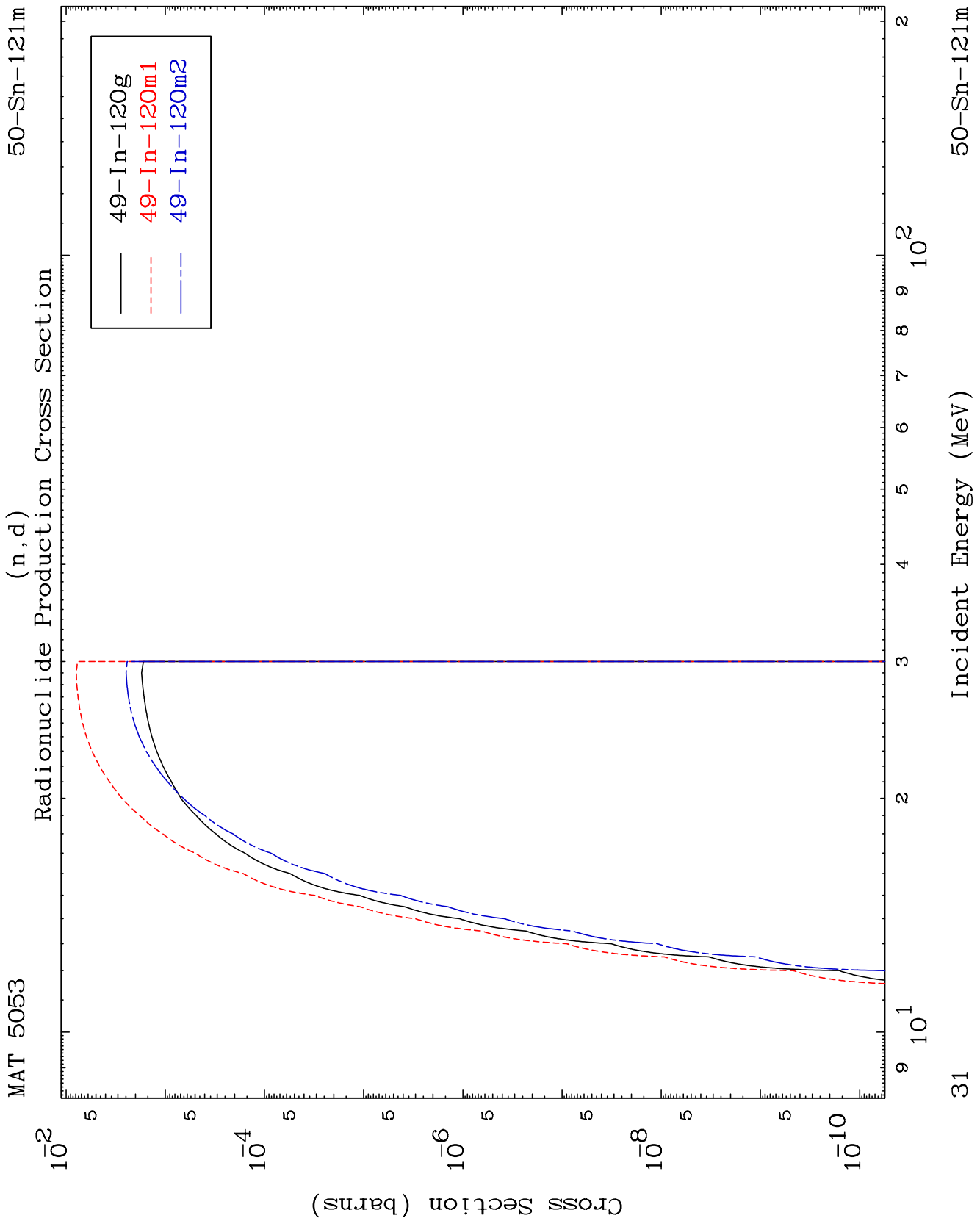
(n,p)
Radionuclide Production Cross Section



30

Incident Energy (MeV)

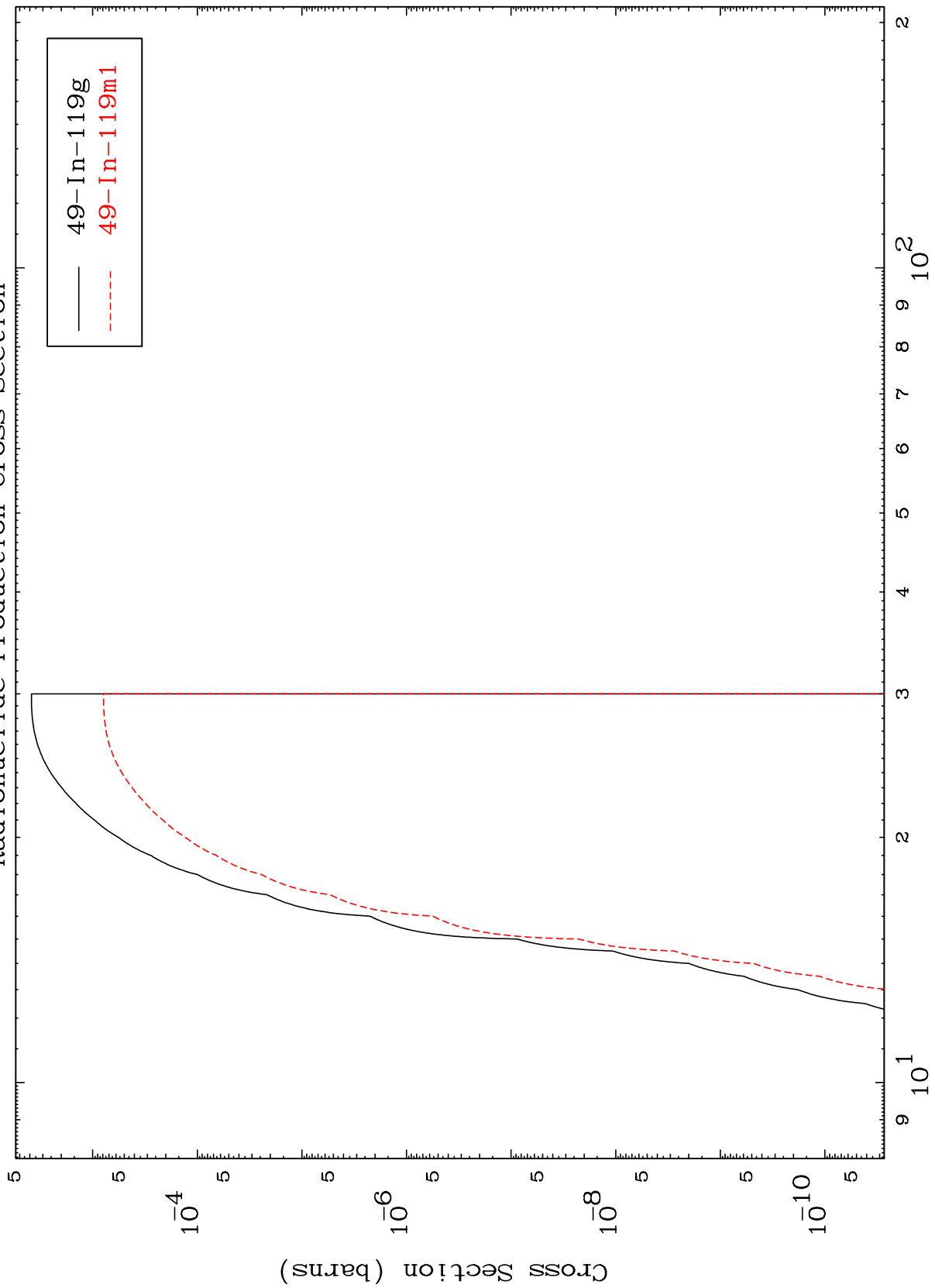
50-Sn-121m



MAT 5053

50-Sn-121m

(n,t)
Radionuclide Production Cross Section



50-Sn-121m

Incident Energy (MeV)

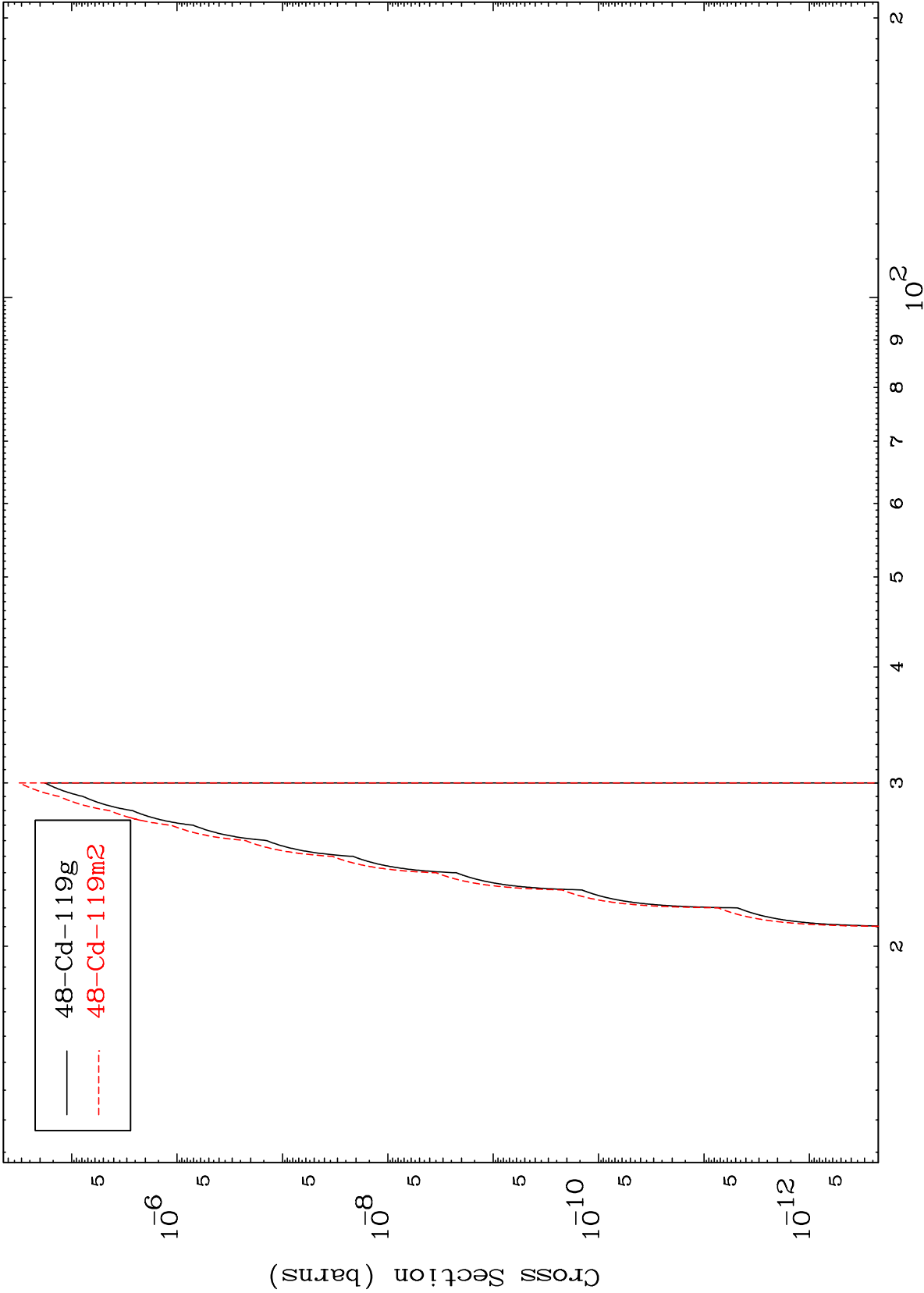
32

MAT 5053

(n,He-3)

50-Sn-121m

Radionuclide Production Cross Section



Incident Energy (MeV)

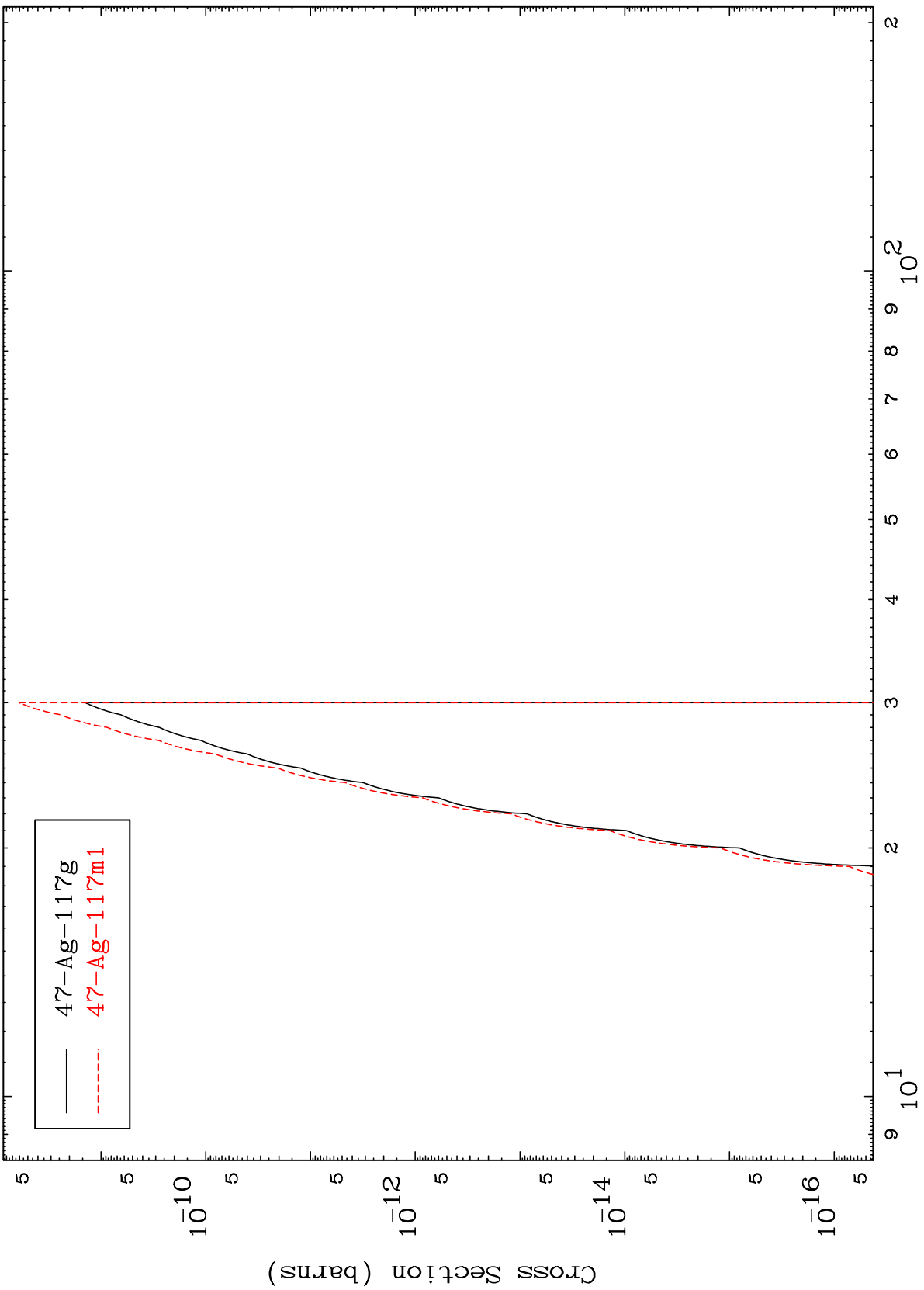
50-Sn-121m

MAT 5053

50-Sn-121m

(n,p) α

Radionuclide Production Cross Section



34

Incident Energy (MeV)

50-Sn-121m