

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

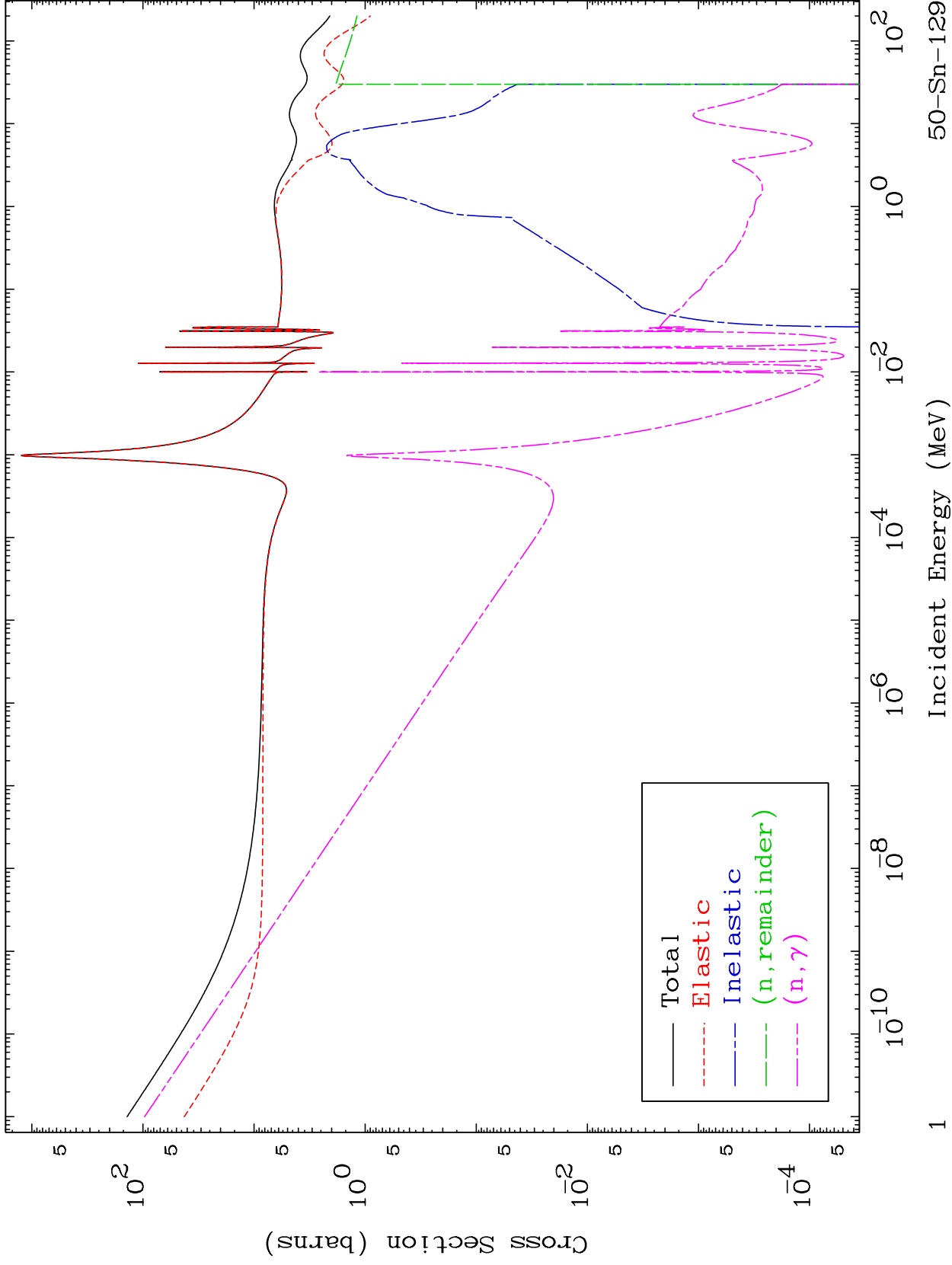
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 50777

Major
293 Kelvin Cross Sections

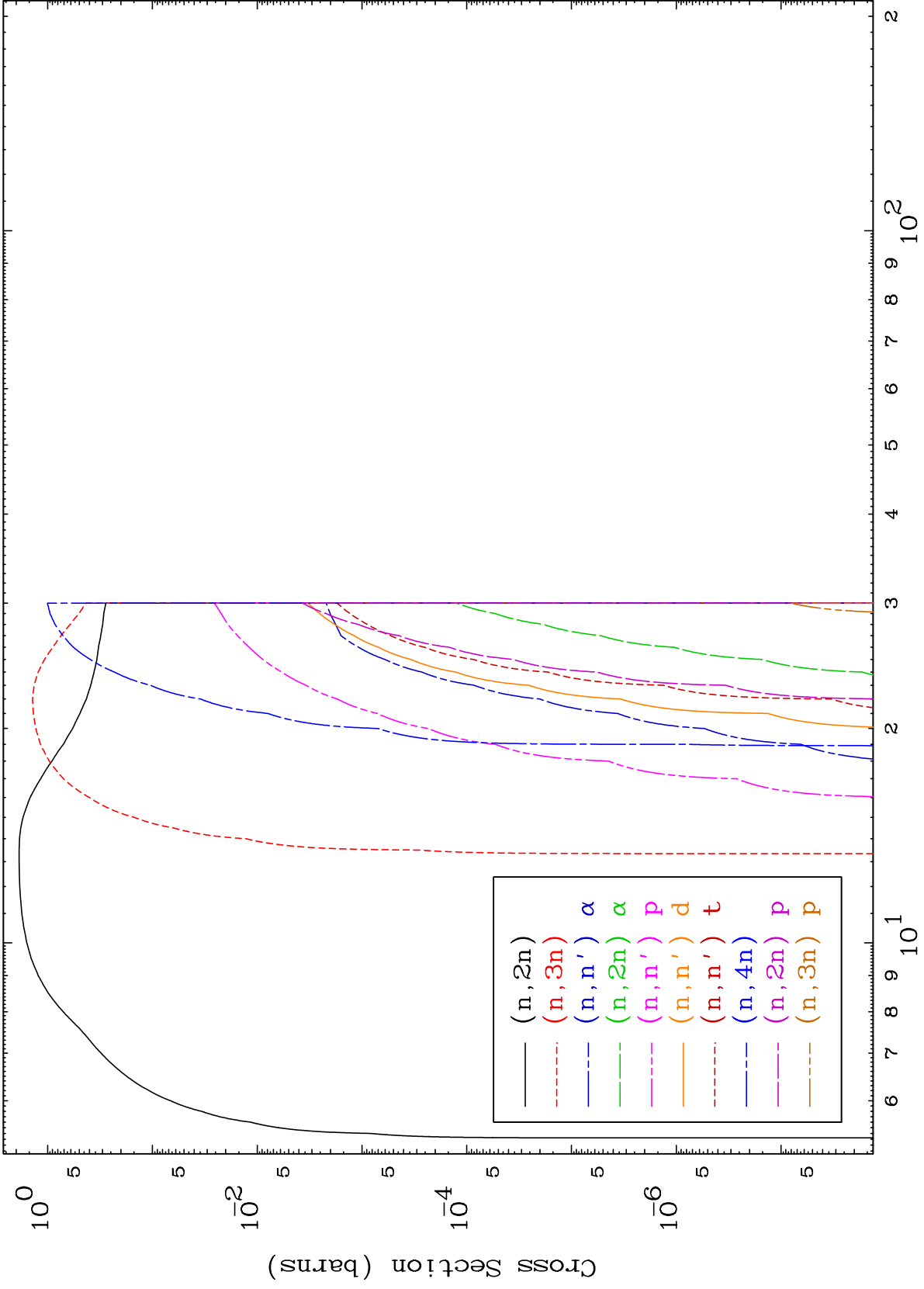
50-Sn-129



MAT 50777

Neutron Production
293 Kelvin Cross Sections

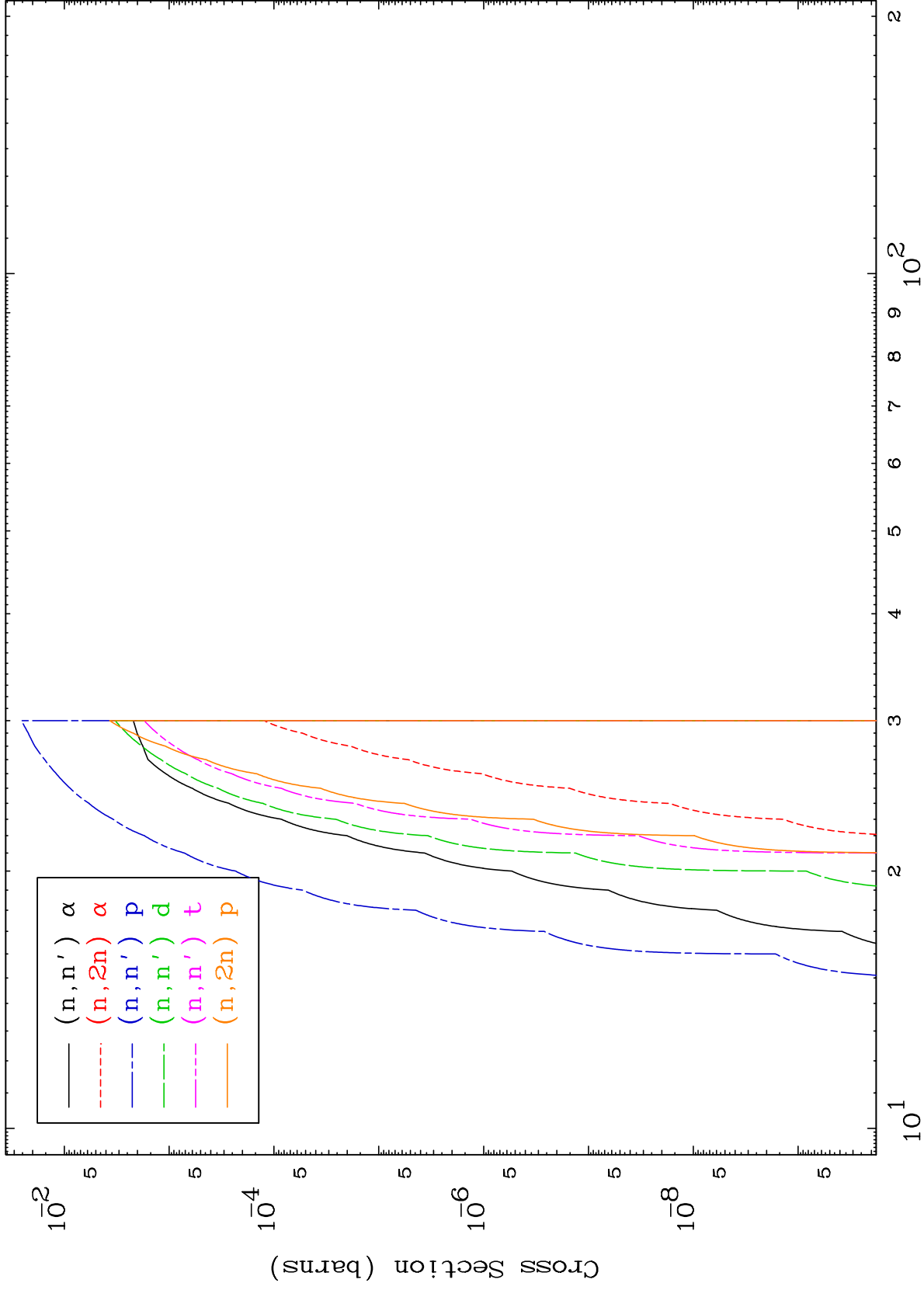
50-Sn-129



MAT 5077

Charged Particle
293 Kelvin Cross Sections

50-Sn-129



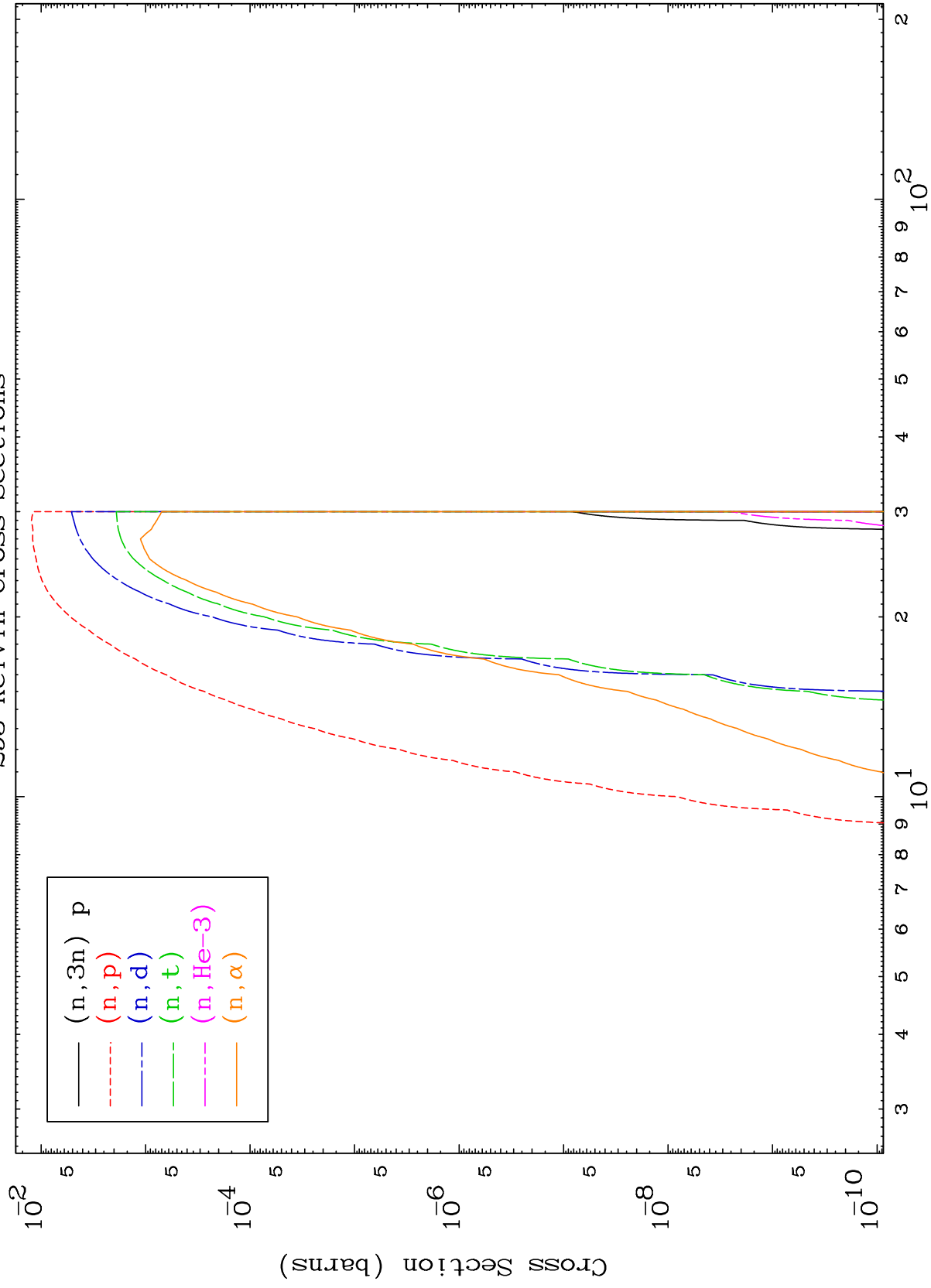
Incident Energy (MeV)

50-Sn-129

MAT 50777

Charged Particle
293 Kelvin Cross Sections

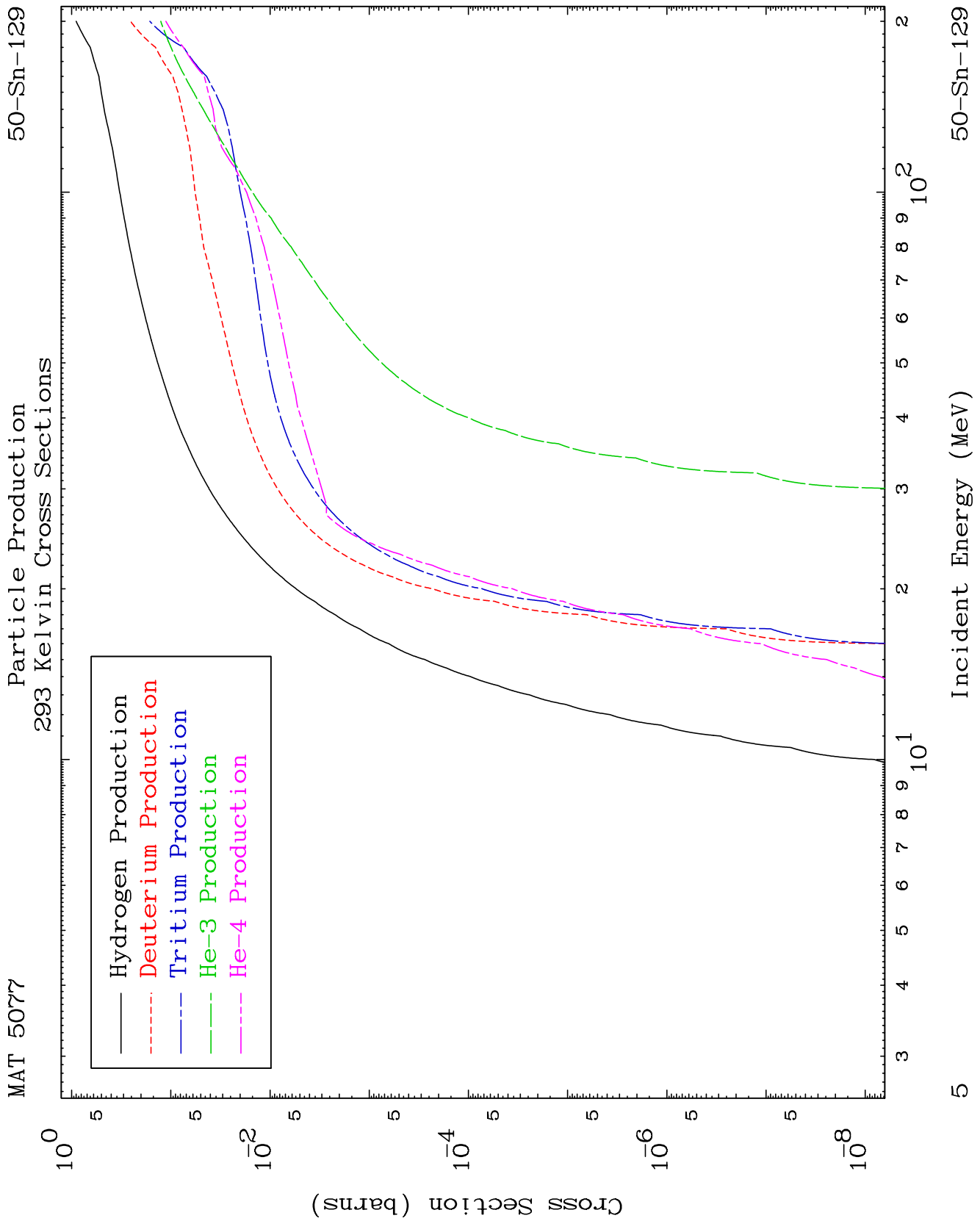
50-Sn-129



Incident Energy (MeV)

50-Sn-129

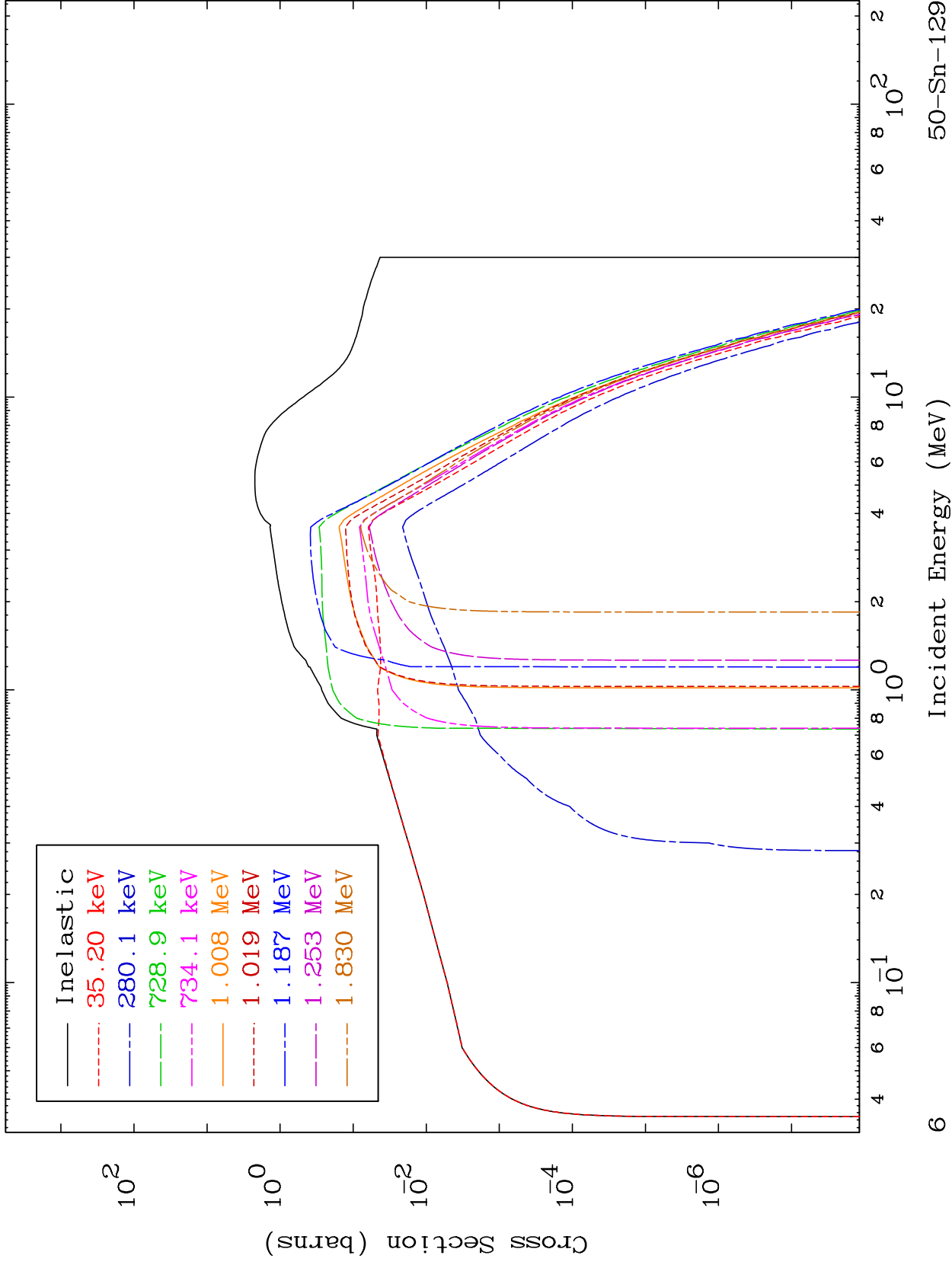
4



MAT 5077

(n,n') Level
293 Kelvin Cross Sections

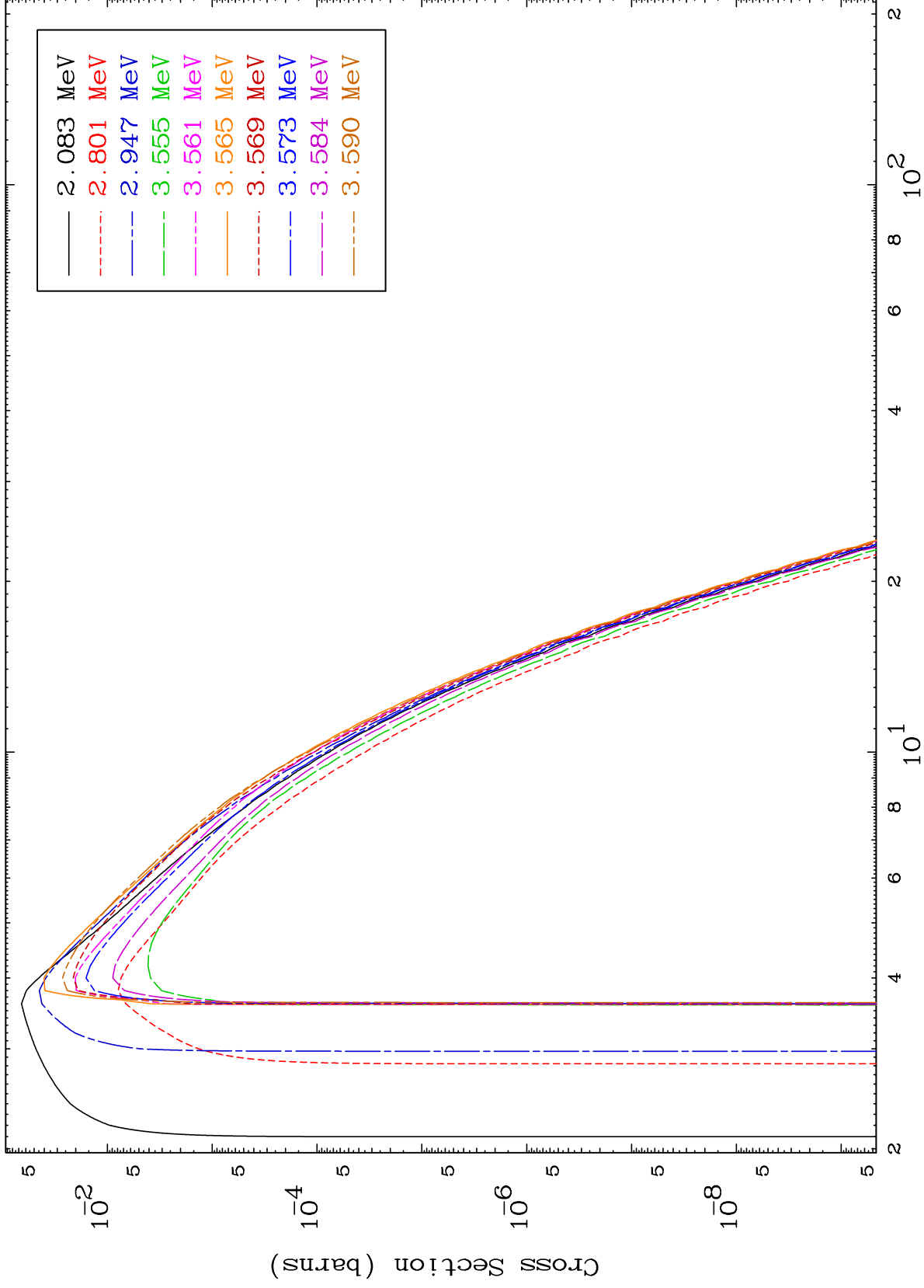
50-Sn-129



MAT 5077

(n,n') Level
293 Kelvin Cross Sections

50-Sn-129



7

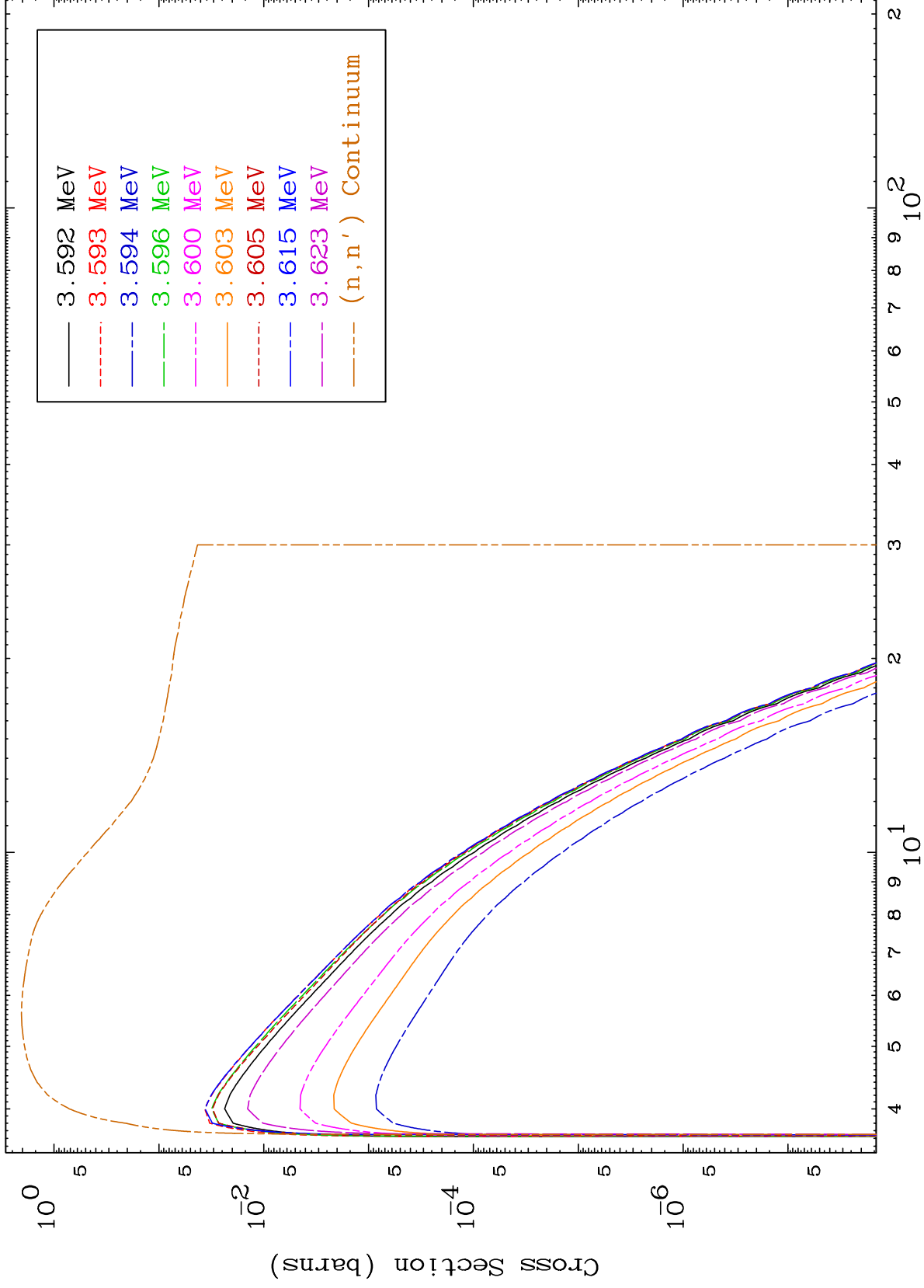
Incident Energy (MeV)

50-Sn-129

MAT 50777

(n,n') Level
293 Kelvin Cross Sections

50-Sn-129



8

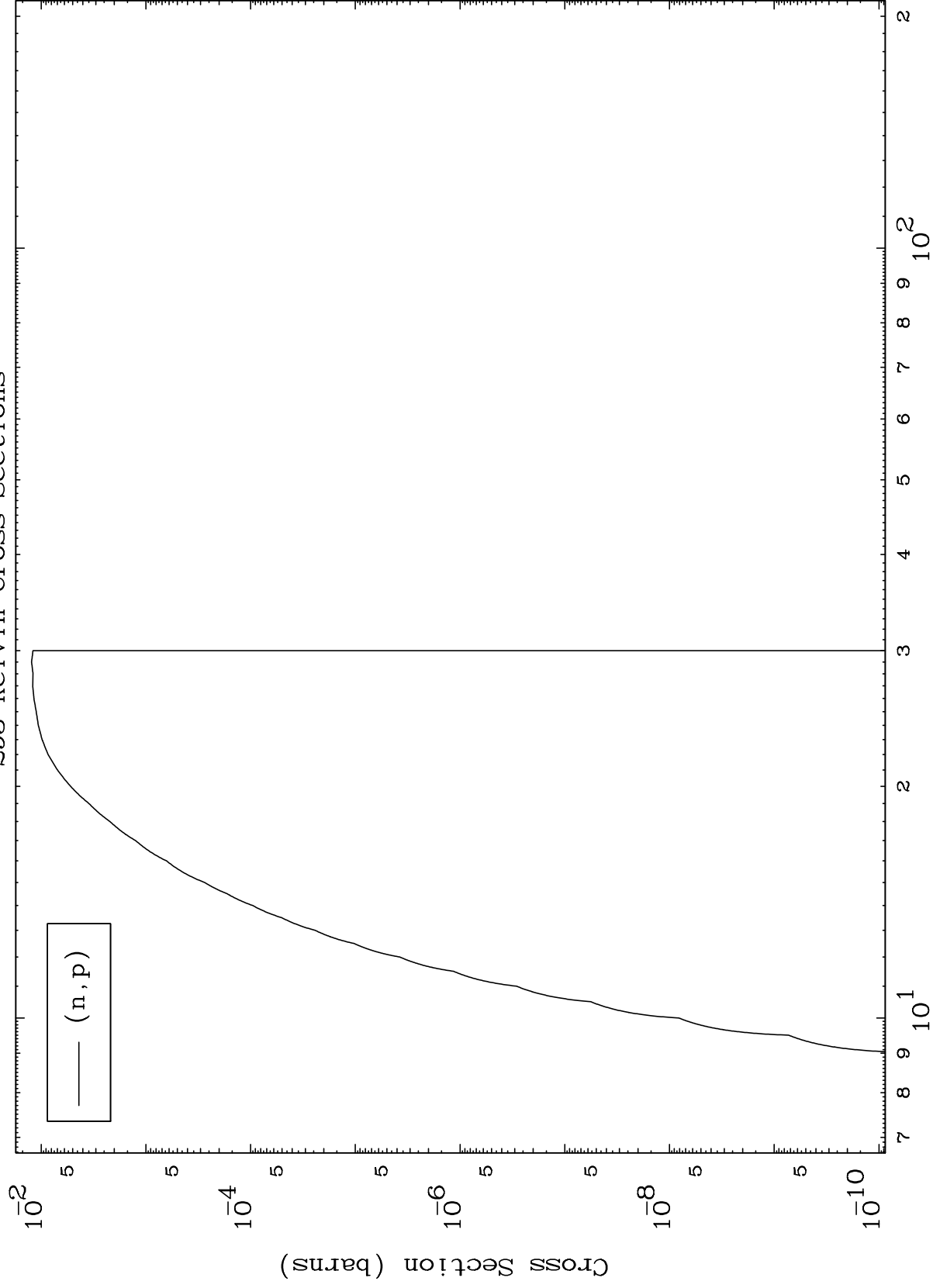
Incident Energy (MeV)

50-Sn-129

MAT 50777

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-129



9

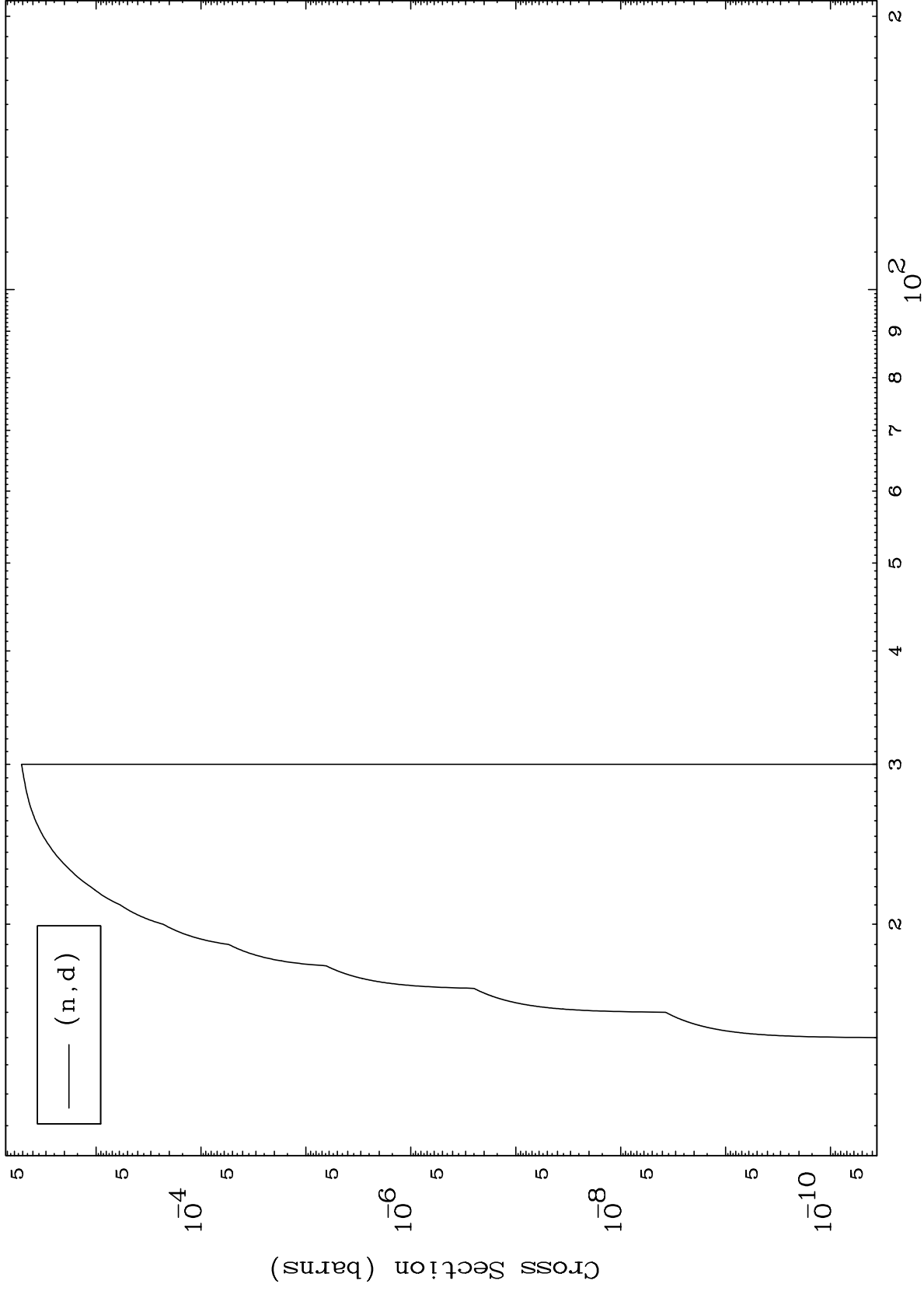
Incident Energy (MeV)

50-Sn-129

MAT 50777

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-129



10

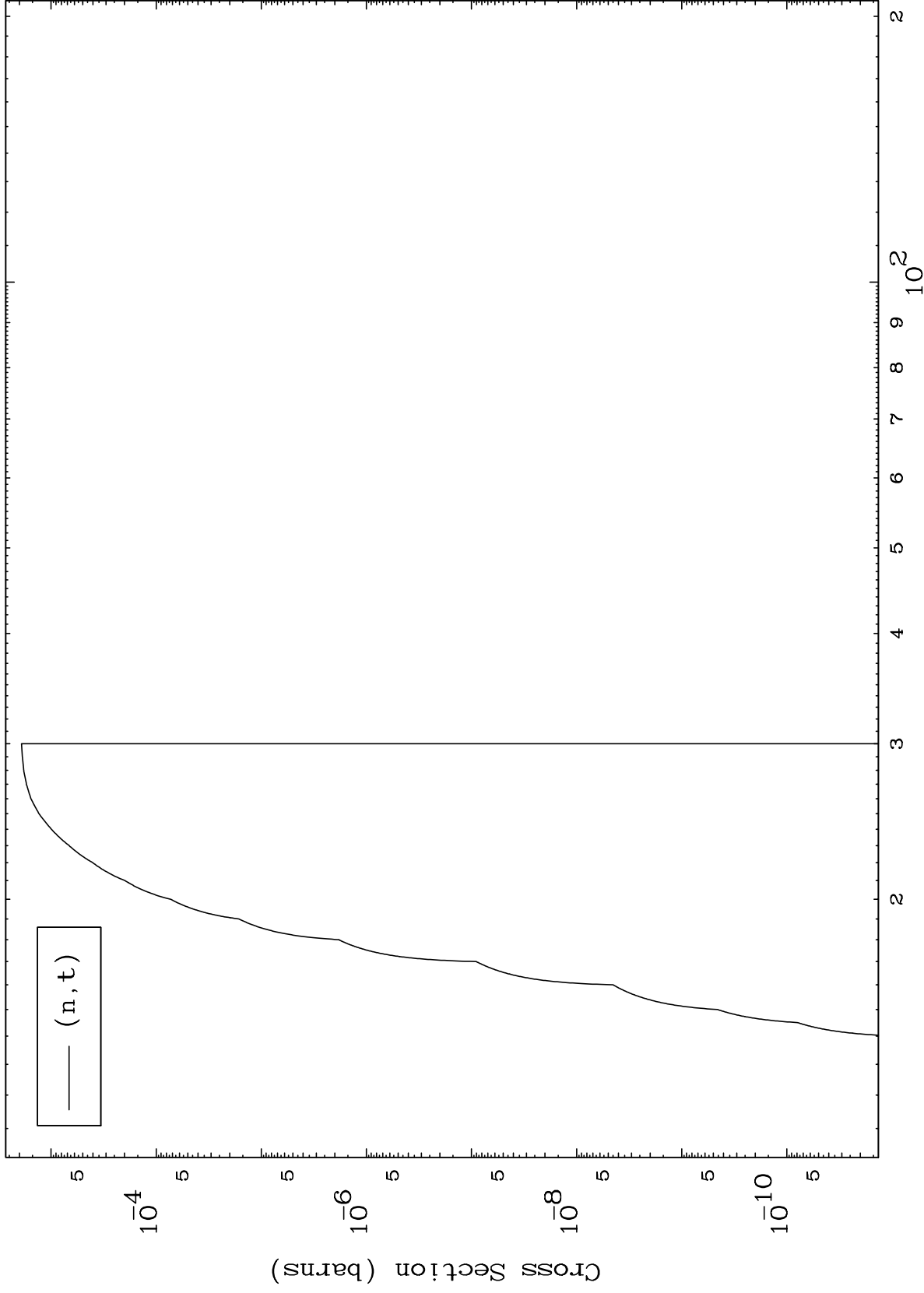
Incident Energy (MeV)

50-Sn-129

MAT 50777

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-129



11

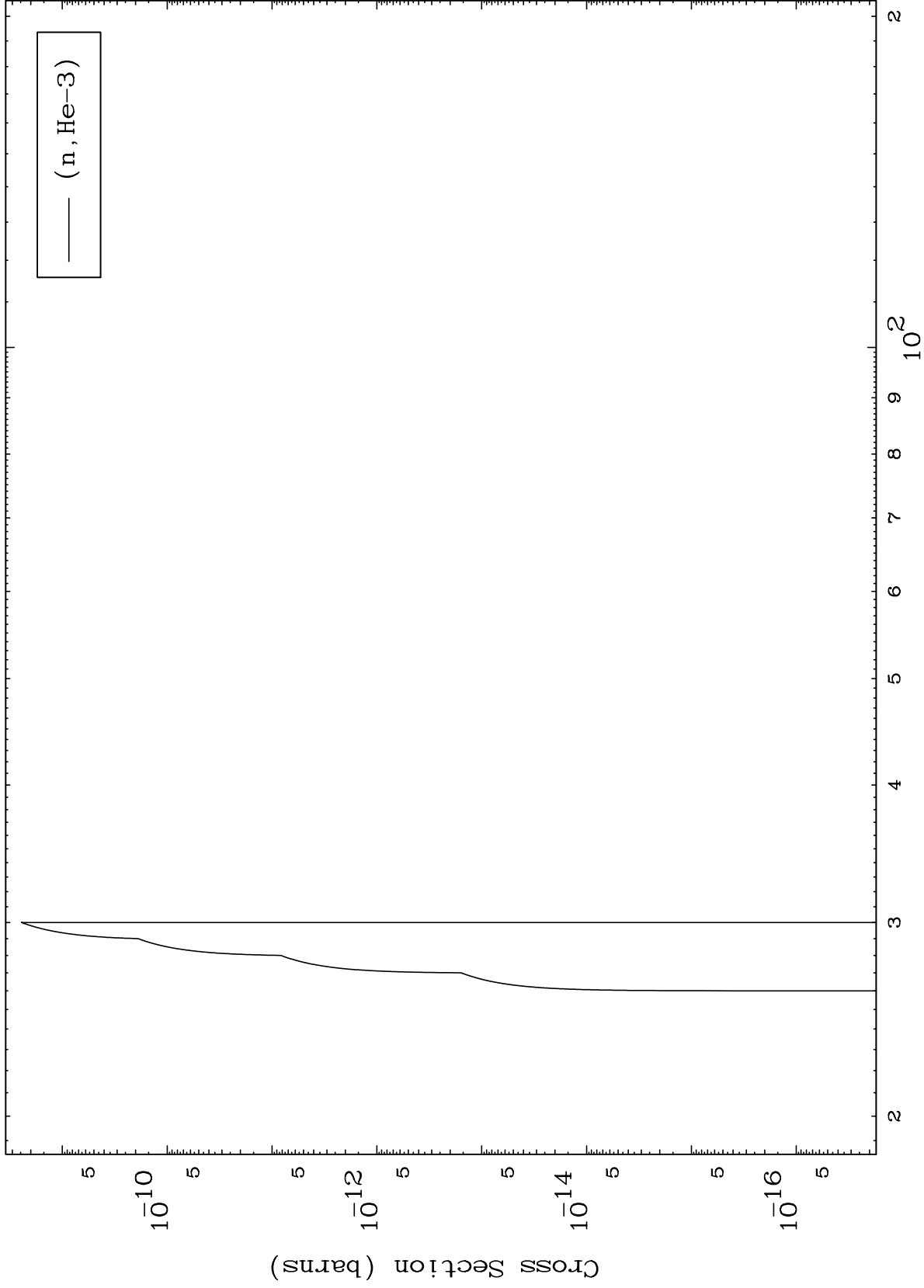
Incident Energy (MeV)

50-Sn-129

MAT 5077

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-129



12

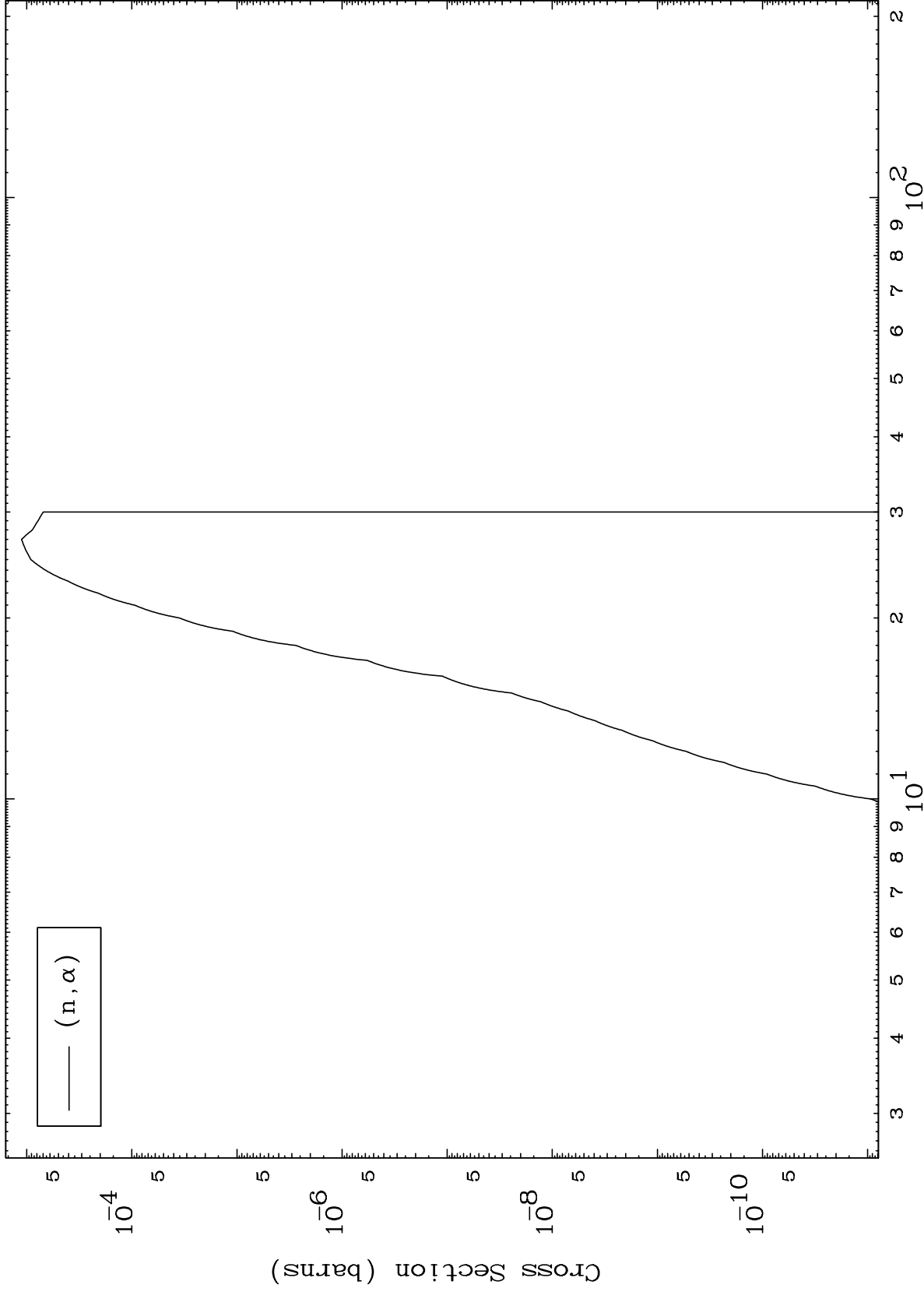
Incident Energy (MeV)

50-Sn-129

MAT 5077

(n, α) Levels
293 Kelvin Cross Sections

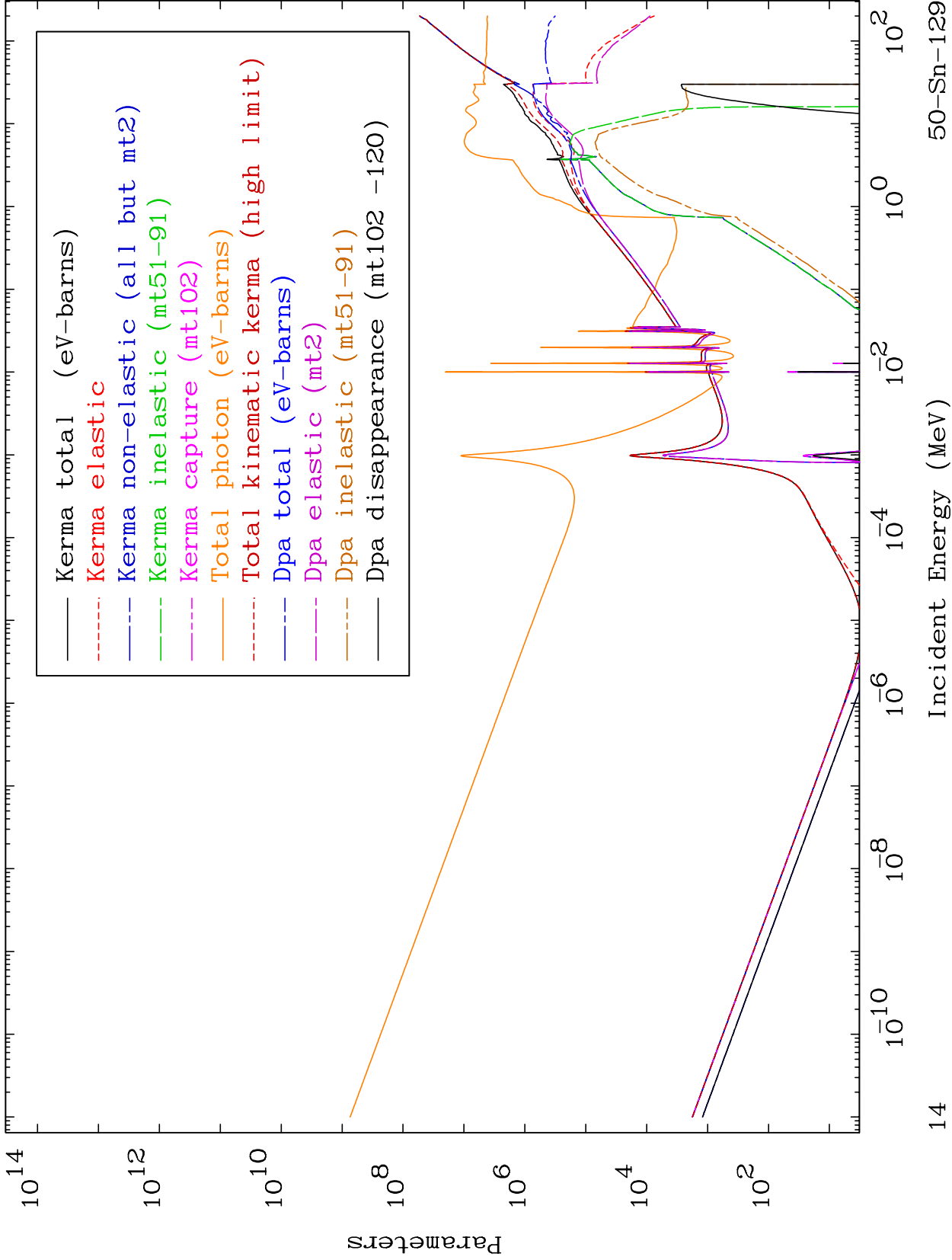
50-Sn-129



13

Incident Energy (MeV)

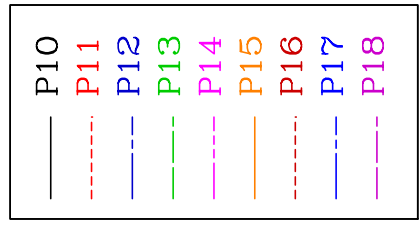
50-Sn-129



MAT 5077

Elastic Legendre Coefficients

50-Sn-129



$\times 10^{-4}$

Legendre (CM)

0

10

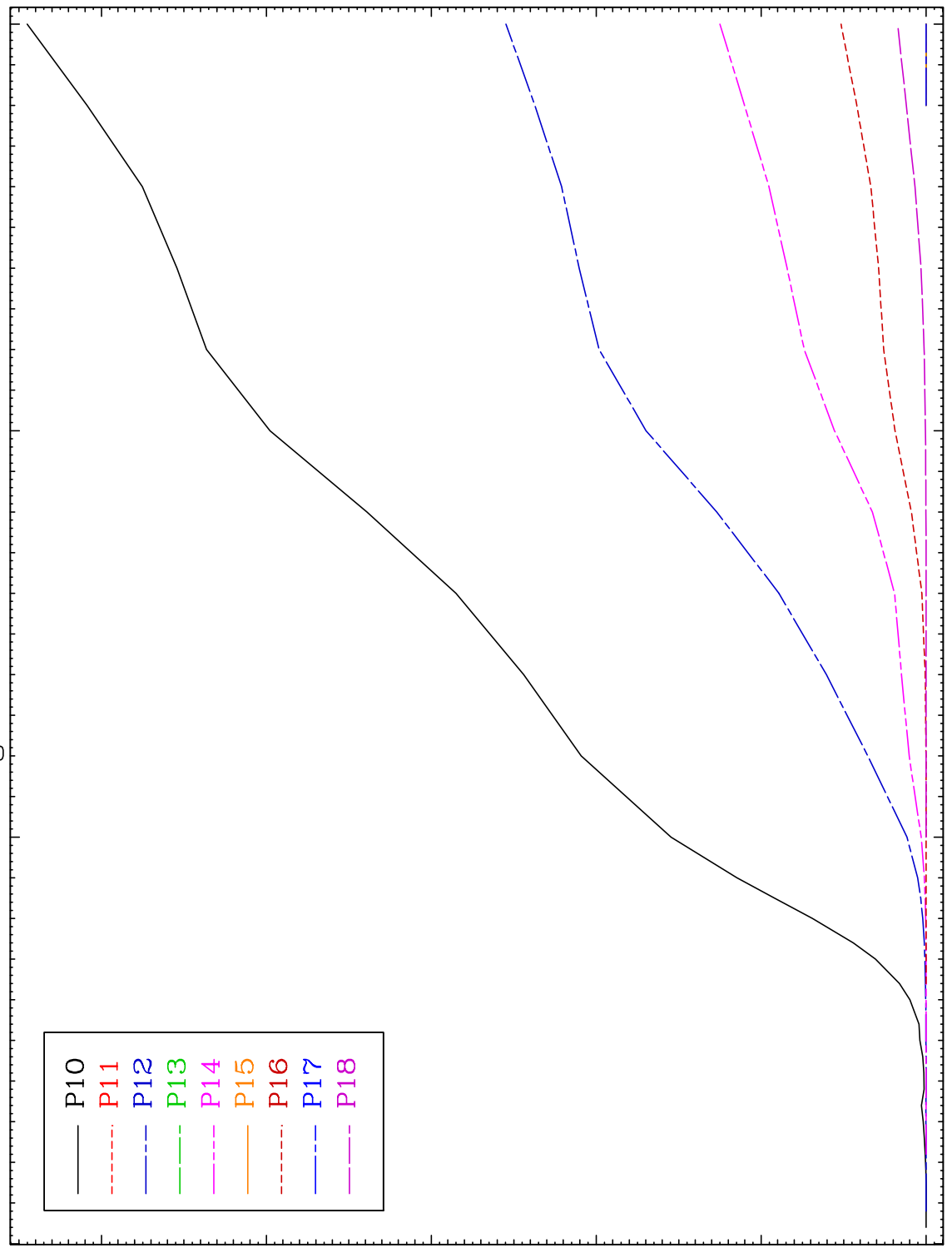
20

30

16

Incident Energy (MeV)

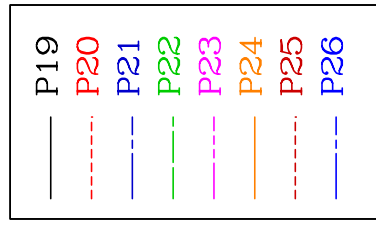
50-Sn-129



MAT 5077

Elastic
Legendre Coefficients

50-Sn-129



$\times 10^{-6}$

1.0

0.8

0.6

0.4

0.2

0.0

Legendre (CM)

15

20

25

30

17

Incident Energy (MeV)

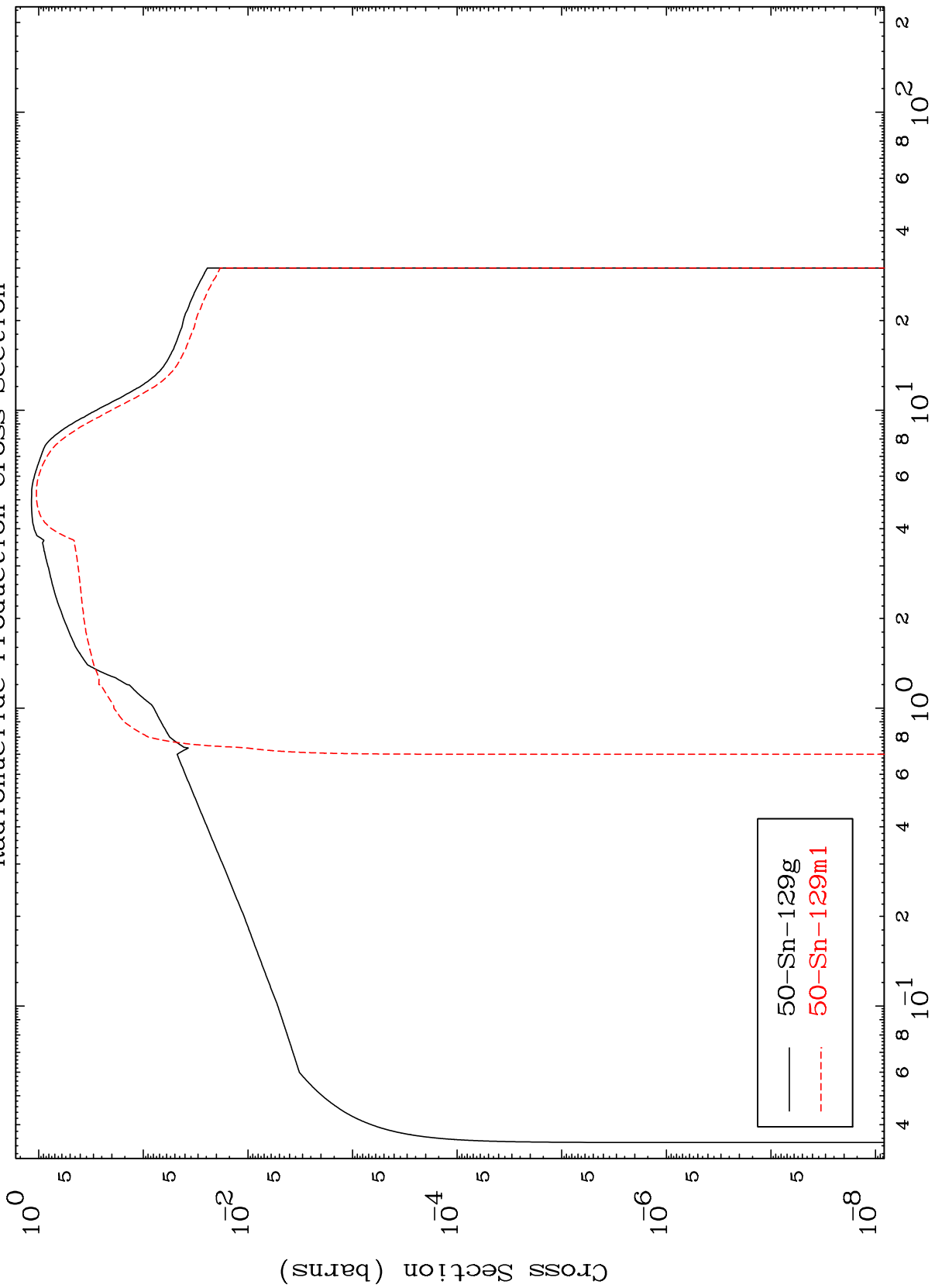
50-Sn-129



MAT 50777

50-Sn-129

Inelastic
Radionuclide Production Cross Section



— 50-Sn-129g
- - - 50-Sn-129m1

50-Sn-129

Incident Energy (MeV)

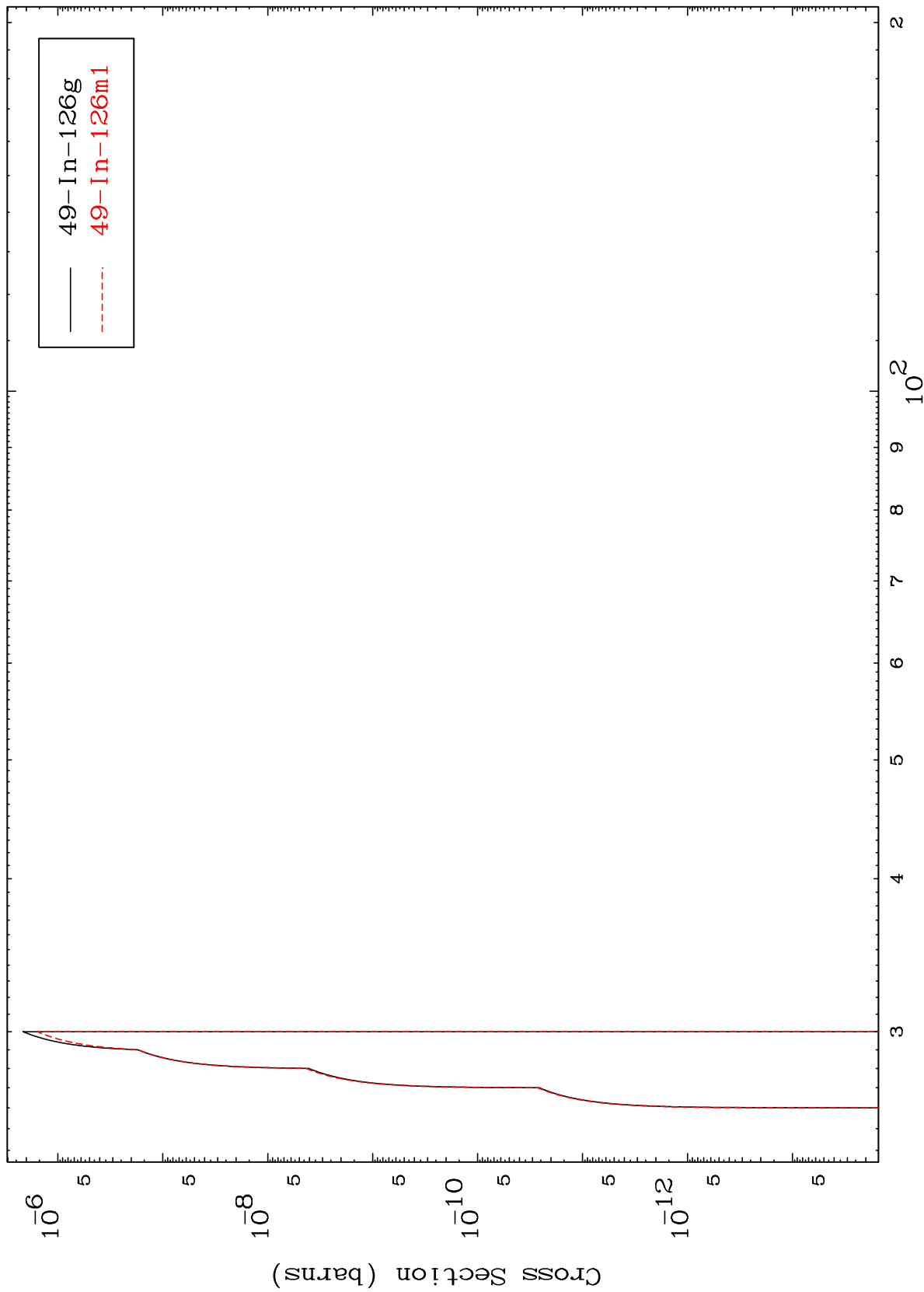
18

MAT 50777

50-Sn-129

(n,2n) d

Radionuclide Production Cross Section



19

Incident Energy (MeV)

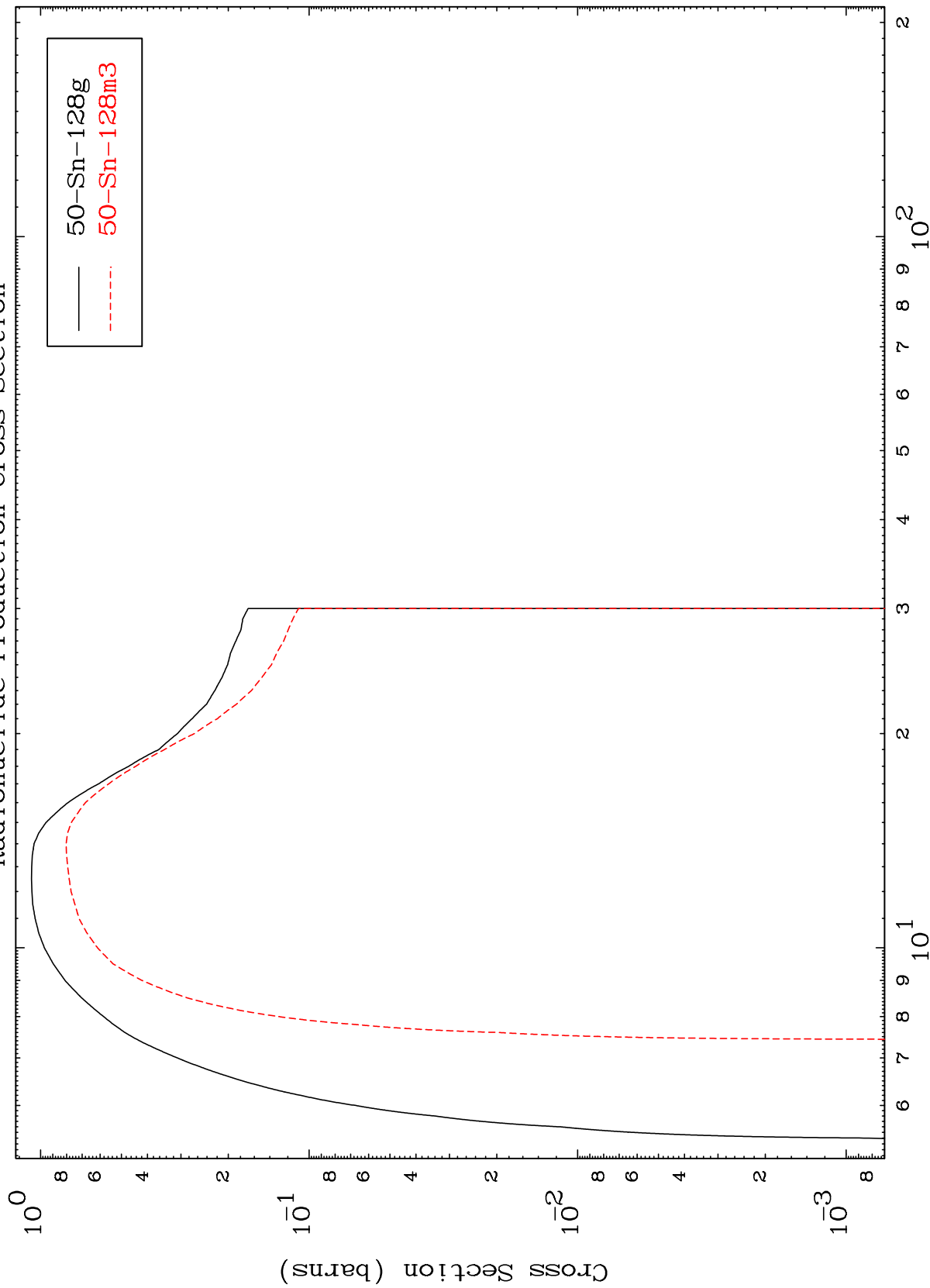
50-Sn-129

MAT 50777

50-Sn-129

(n,2n)

Radionuclide Production Cross Section



20

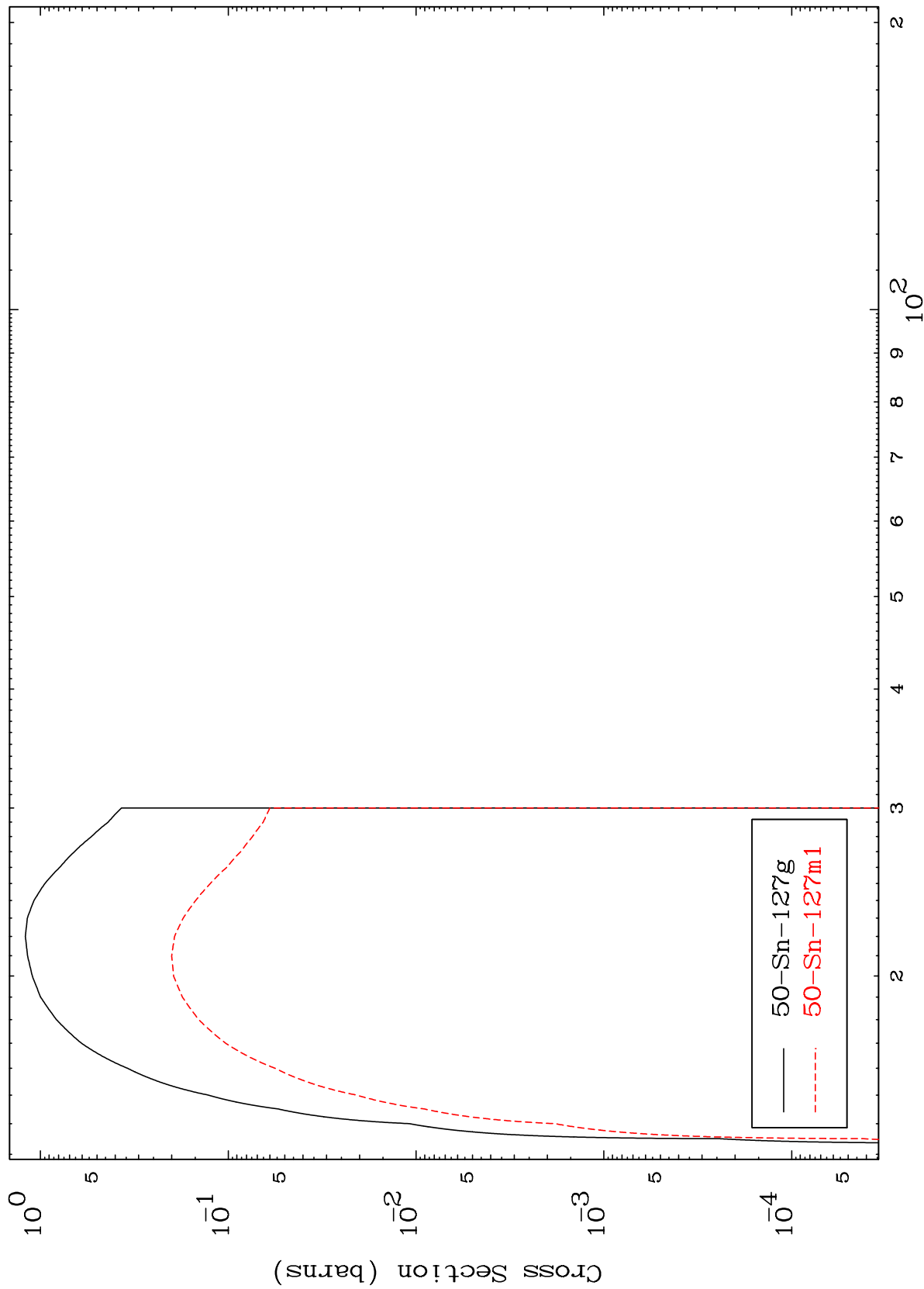
Incident Energy (MeV)

50-Sn-129

MAT 50777

50-Sn-129

(n,3n)
Radionuclide Production Cross Section



50-Sn-129

Incident Energy (MeV)

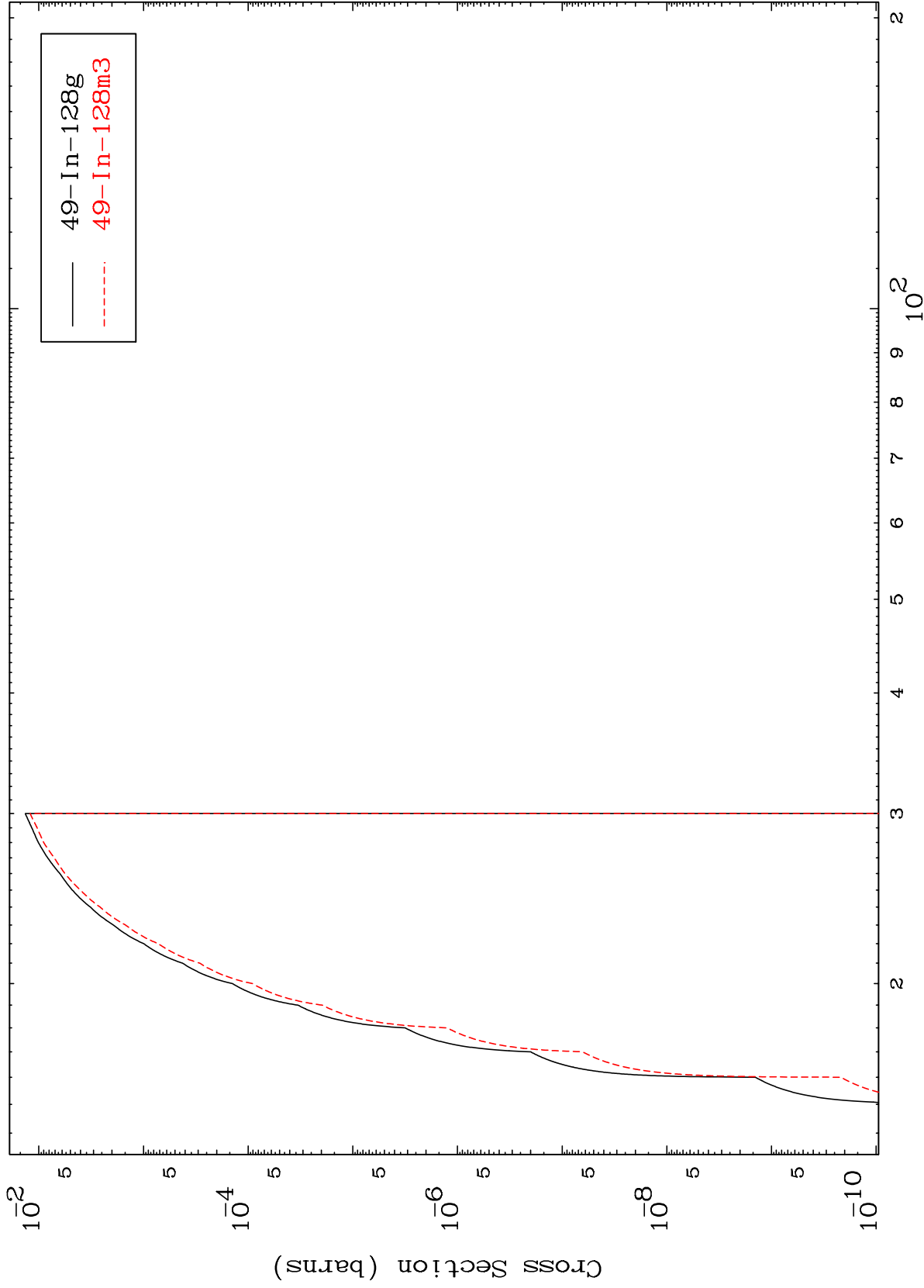
21

MAT 50777

(n,n') p

50-Sn-129

Radionuclide Production Cross Section

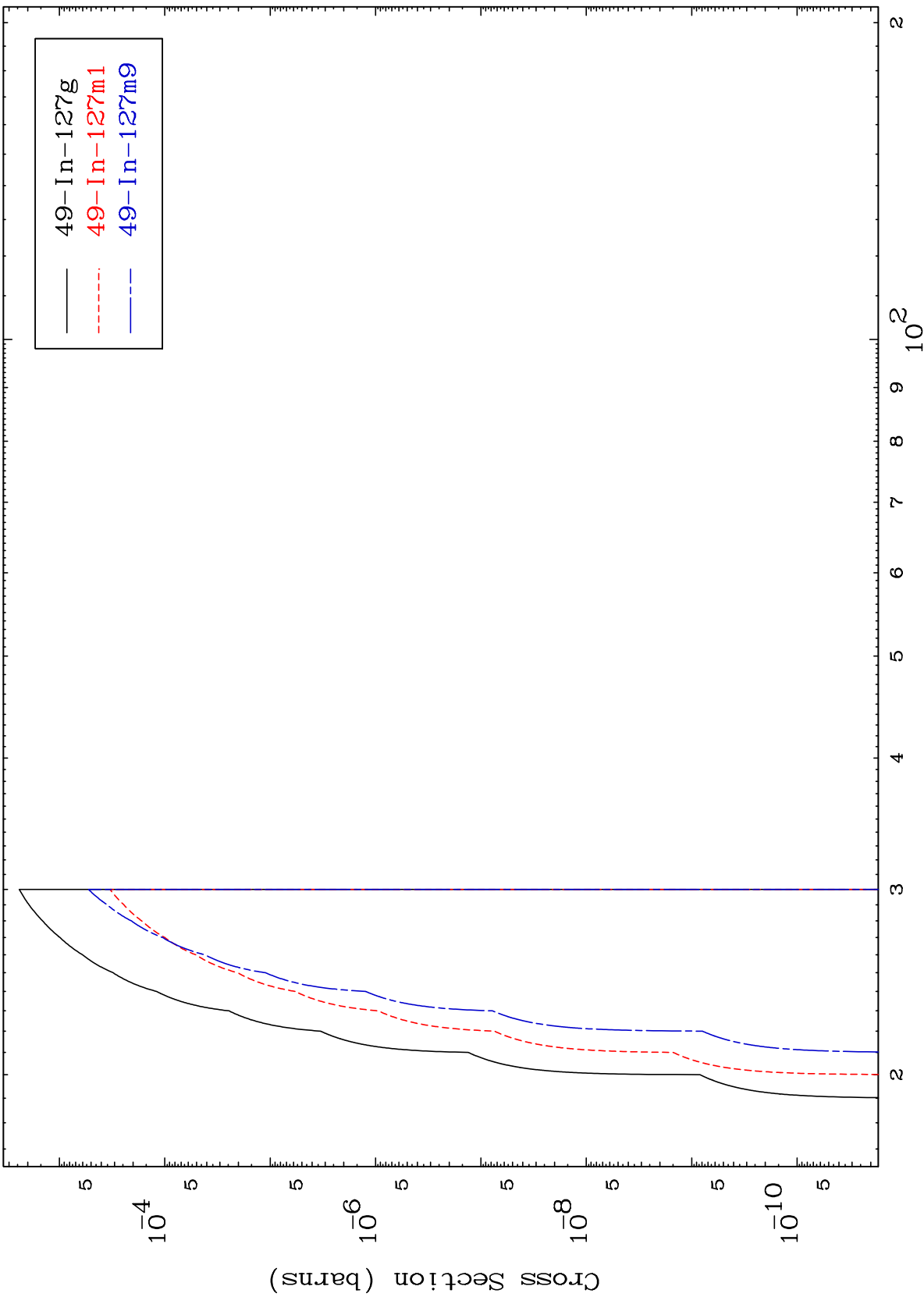


22

Incident Energy (MeV)

50-Sn-129

Radionuclide Production Cross Section

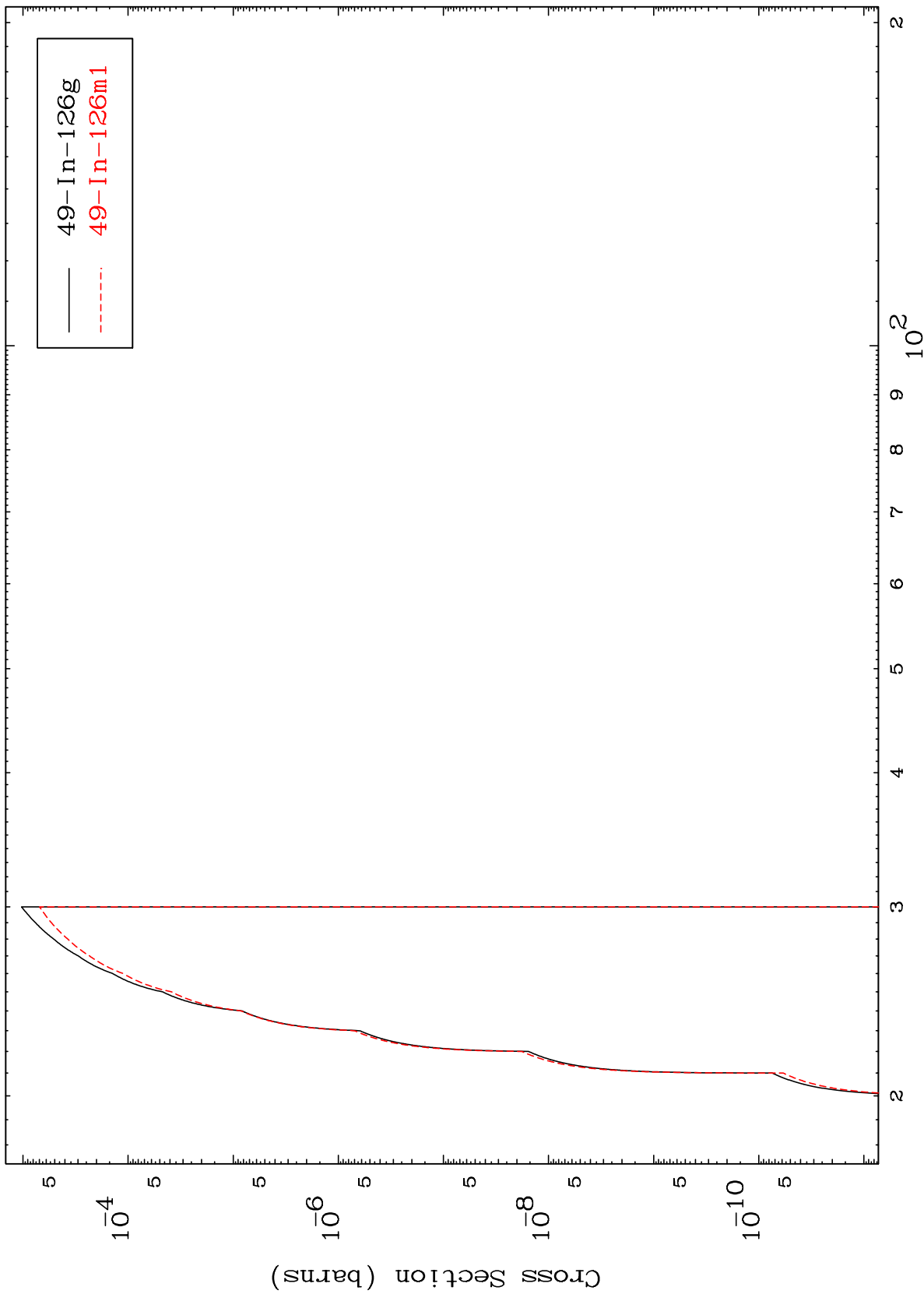


MAT 50777

(n,n') t

50-Sn-129

Radionuclide Production Cross Section



24

Incident Energy (MeV)

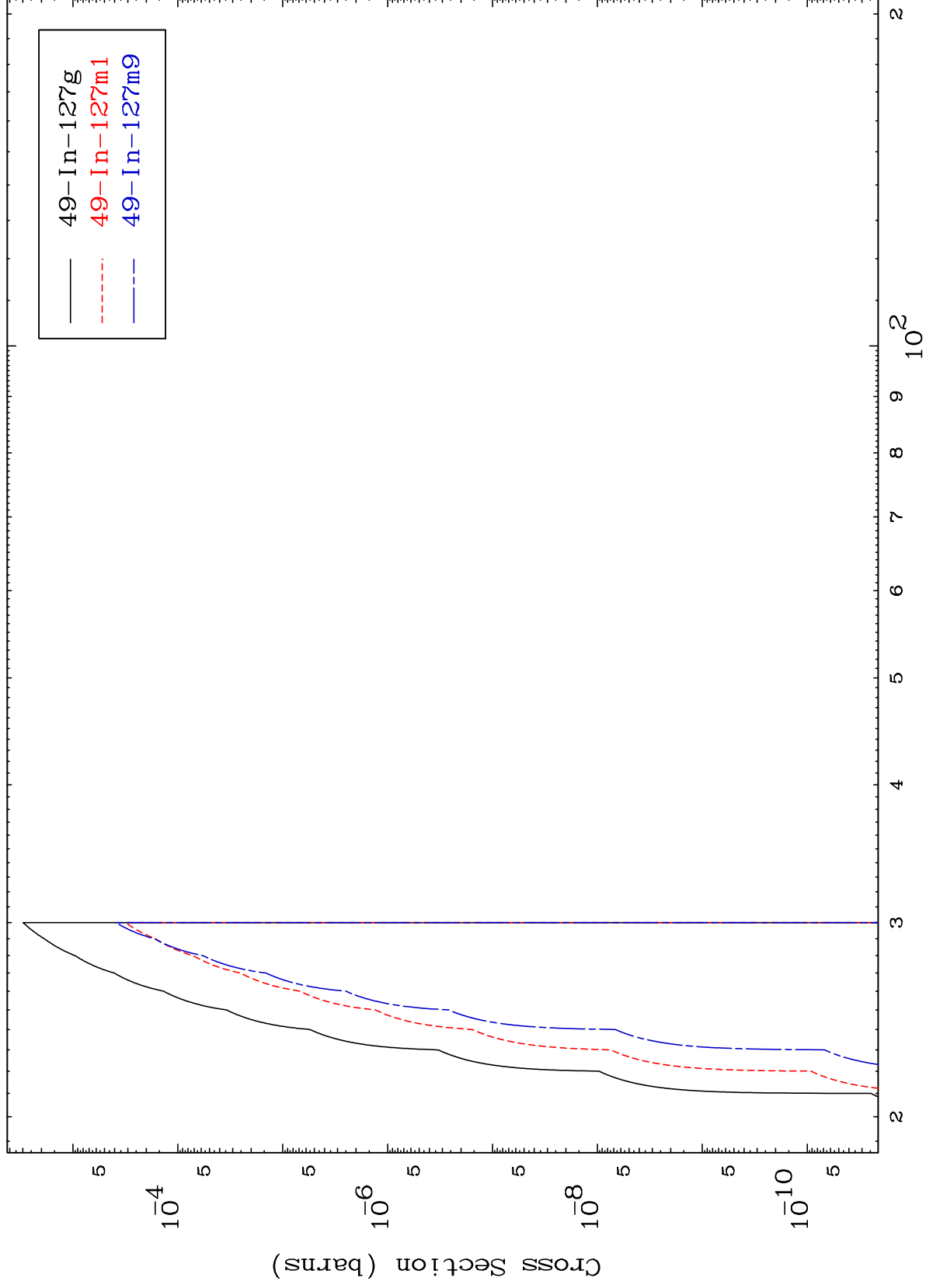
50-Sn-129

MAT 50777

(n,2n) p

50-Sn-129

Radionuclide Production Cross Section



25

Incident Energy (MeV)

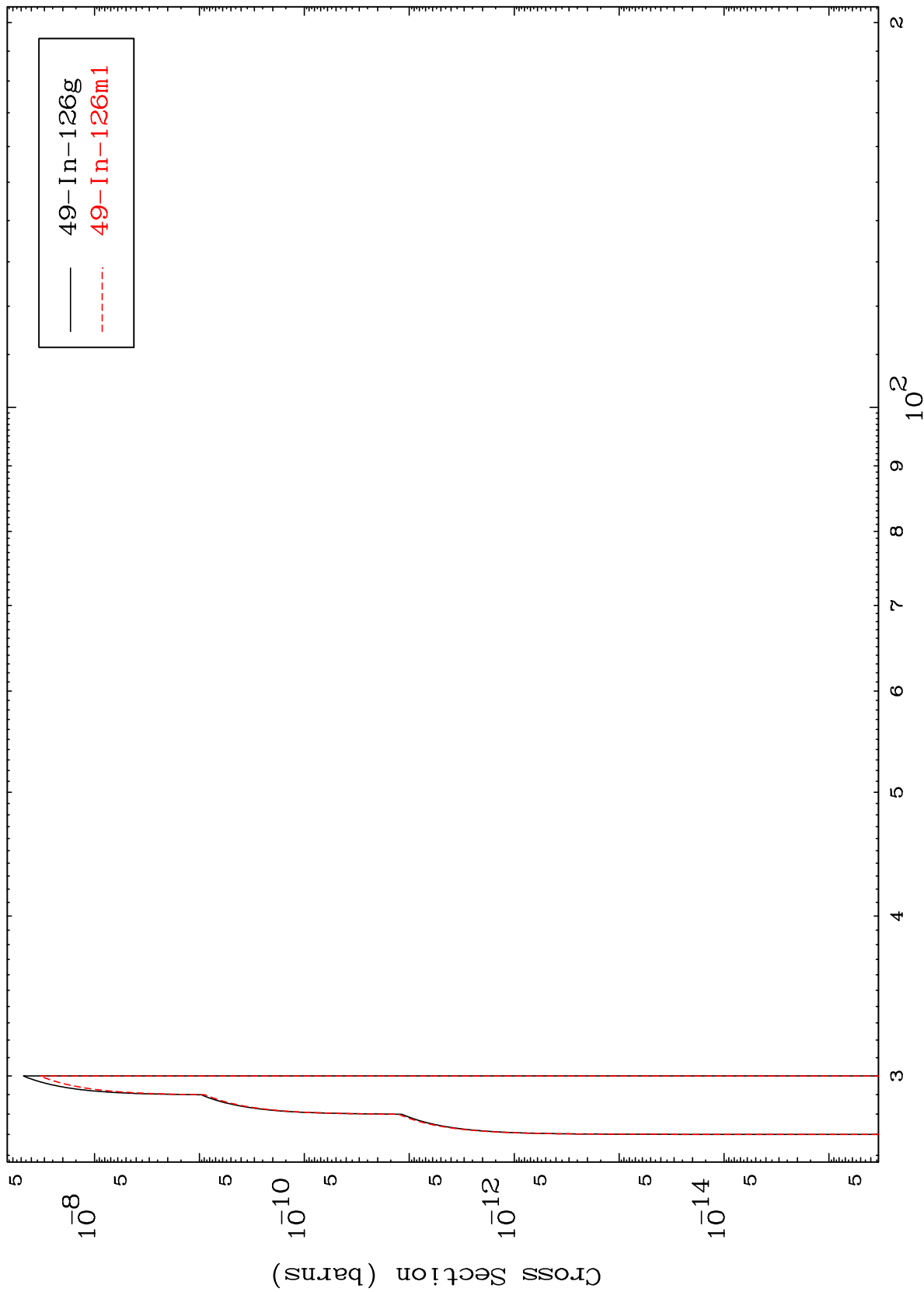
50-Sn-129

MAT 5077

50-Sn-129

(n,3n) p

Radionuclide Production Cross Section



50-Sn-129

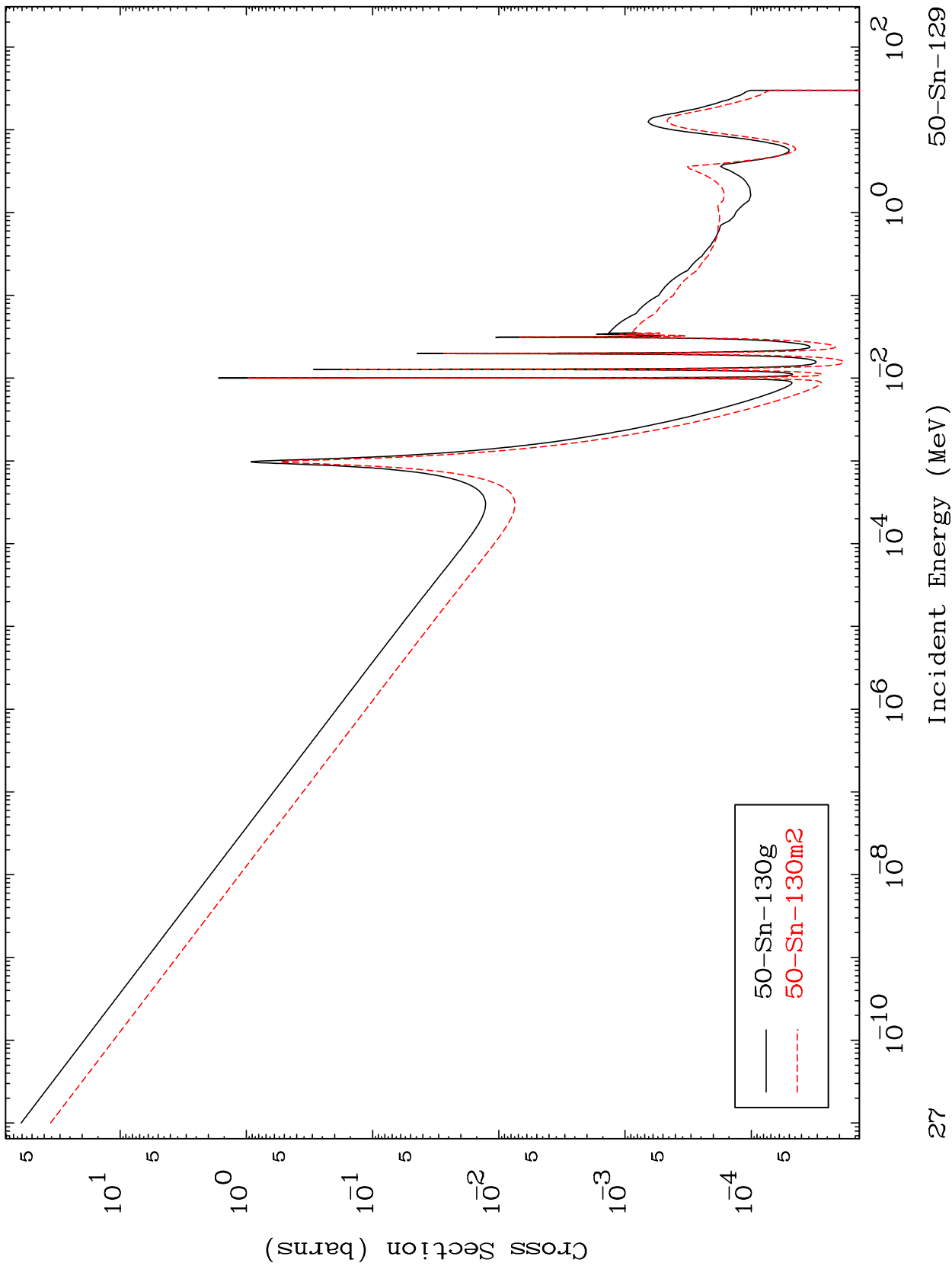
Incident Energy (MeV)

26

MAT 50777

50-Sn-129

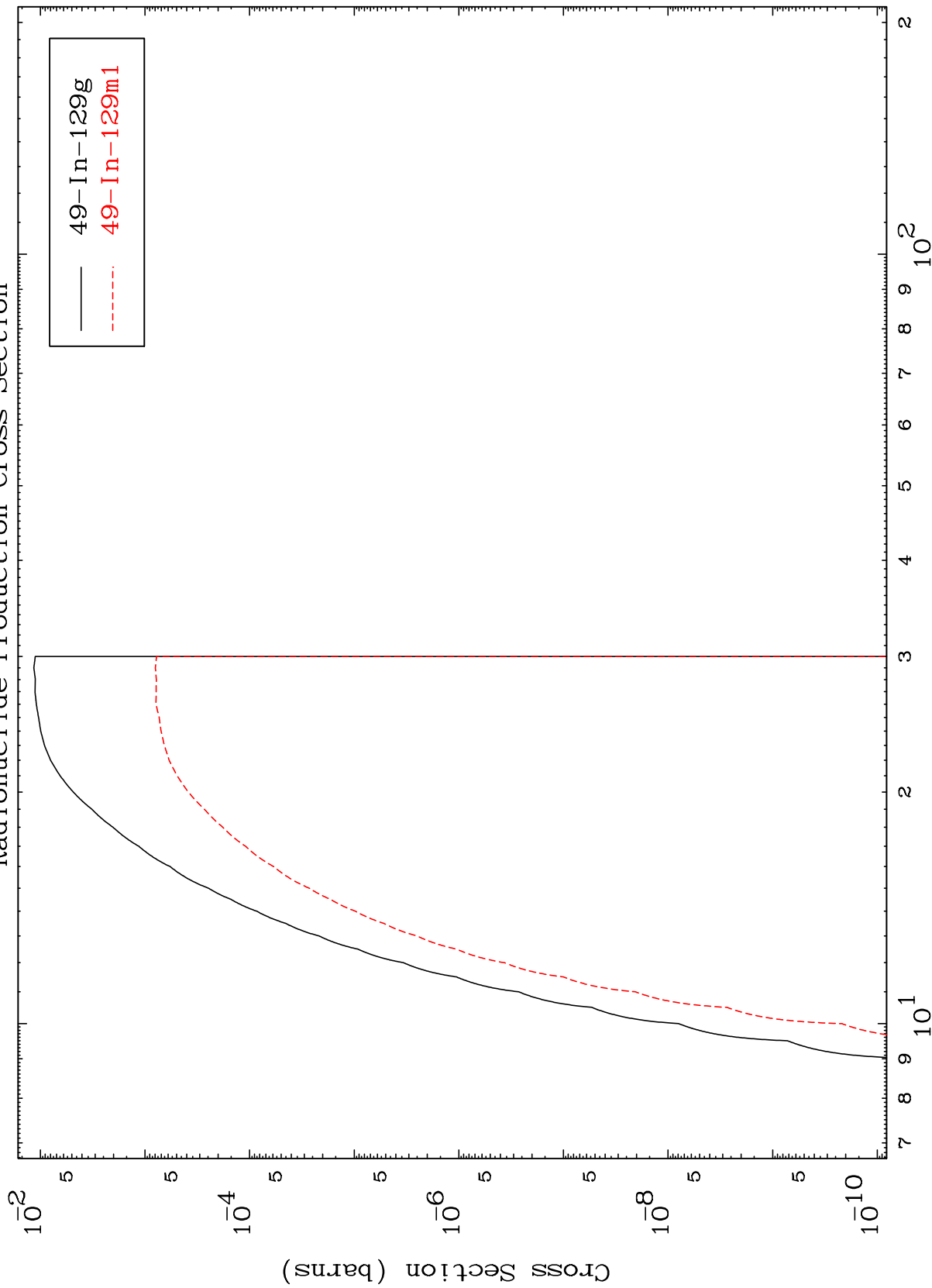
(n, γ)
Radionuclide Production Cross Section



MAT 50777

50-Sn-129

(n,p)
Radionuclide Production Cross Section



28

Incident Energy (MeV)

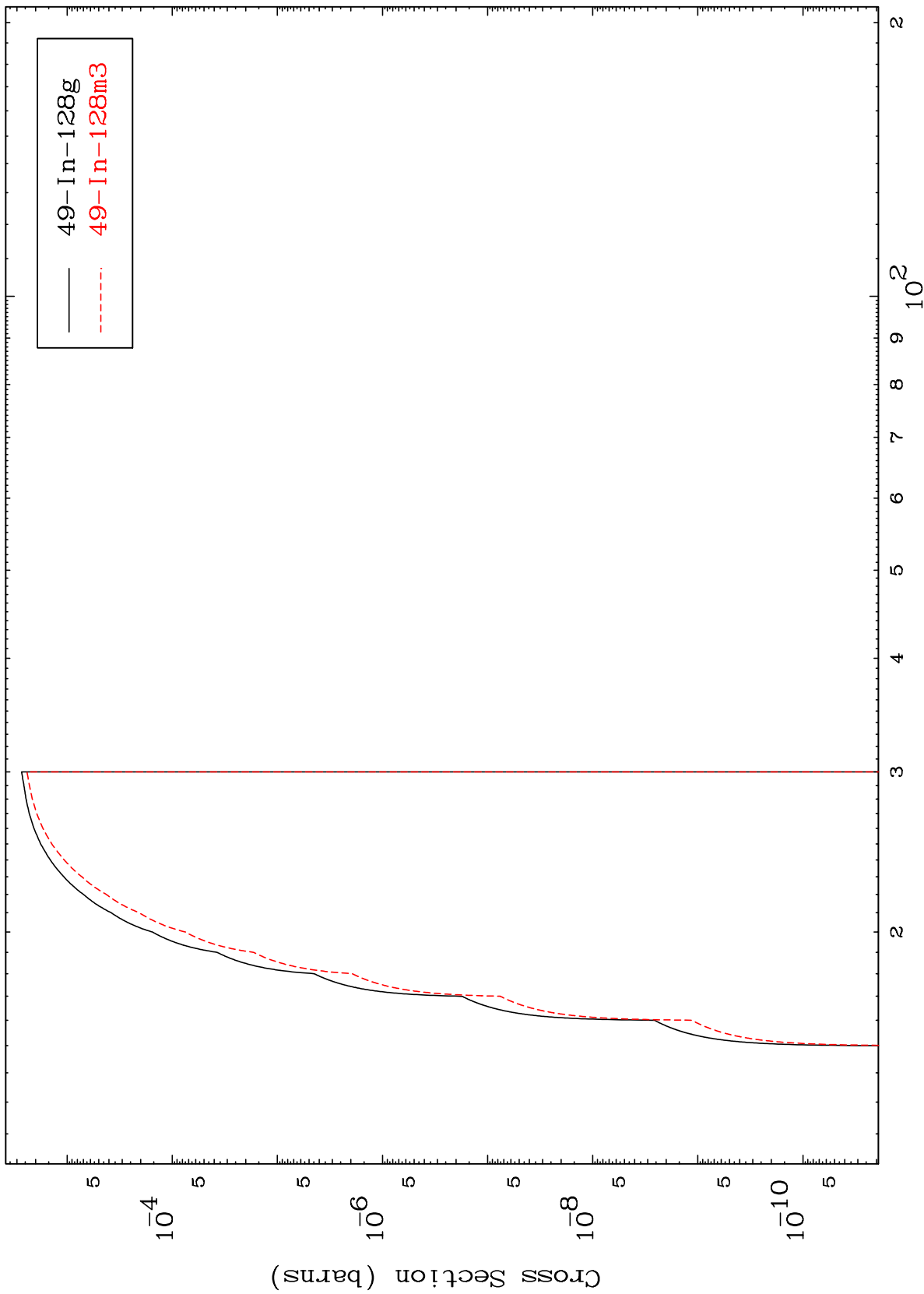
50-Sn-129

MAT 5077

(n,d)

50-Sn-129

Radionuclide Production Cross Section



29

Incident Energy (MeV)

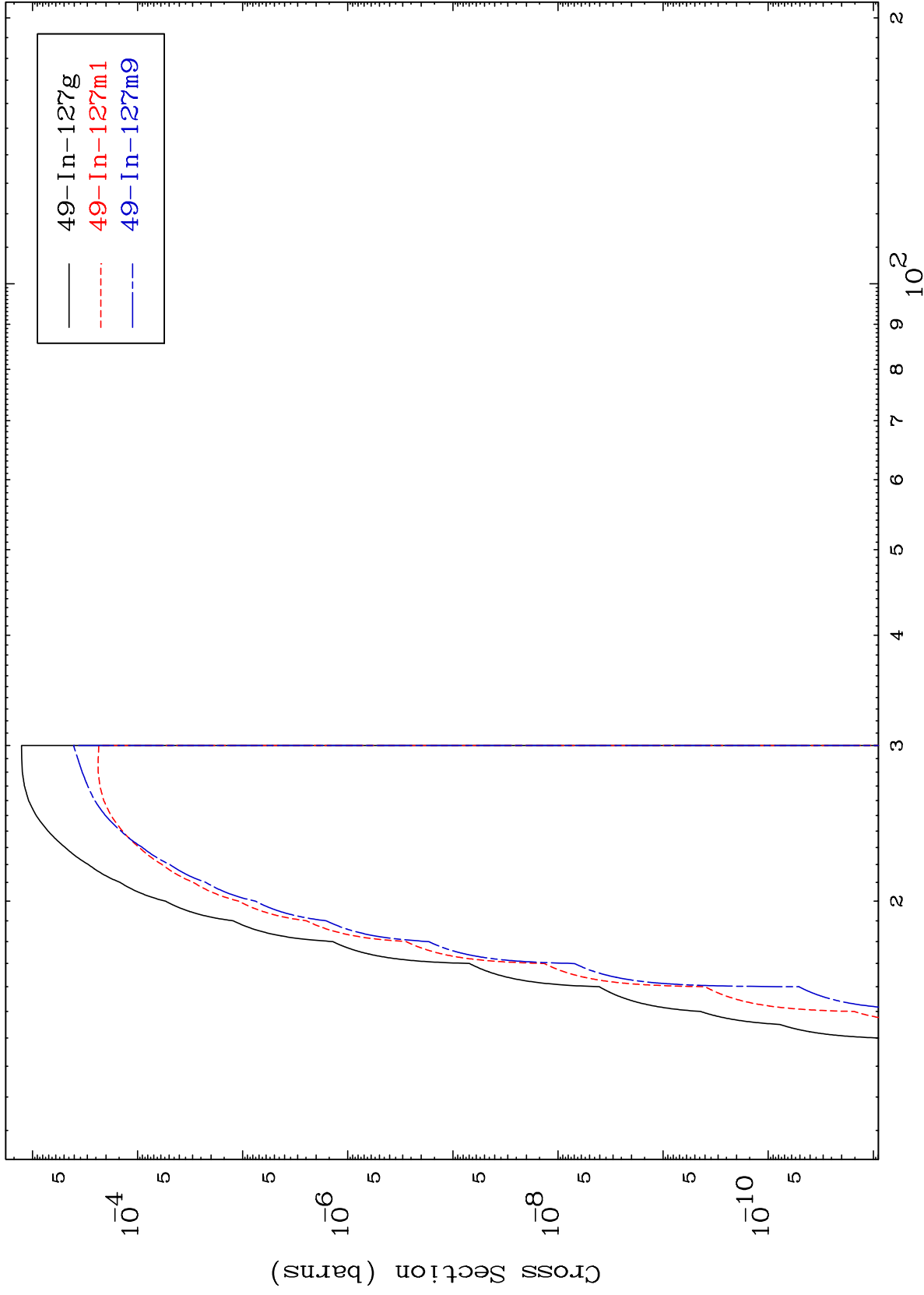
50-Sn-129

MAT 5077

(n, t)

50-Sn-129

Radionuclide Production Cross Section



30

Incident Energy (MeV)

50-Sn-129