

Program EVALPLOT
(Version 2018-1)

by

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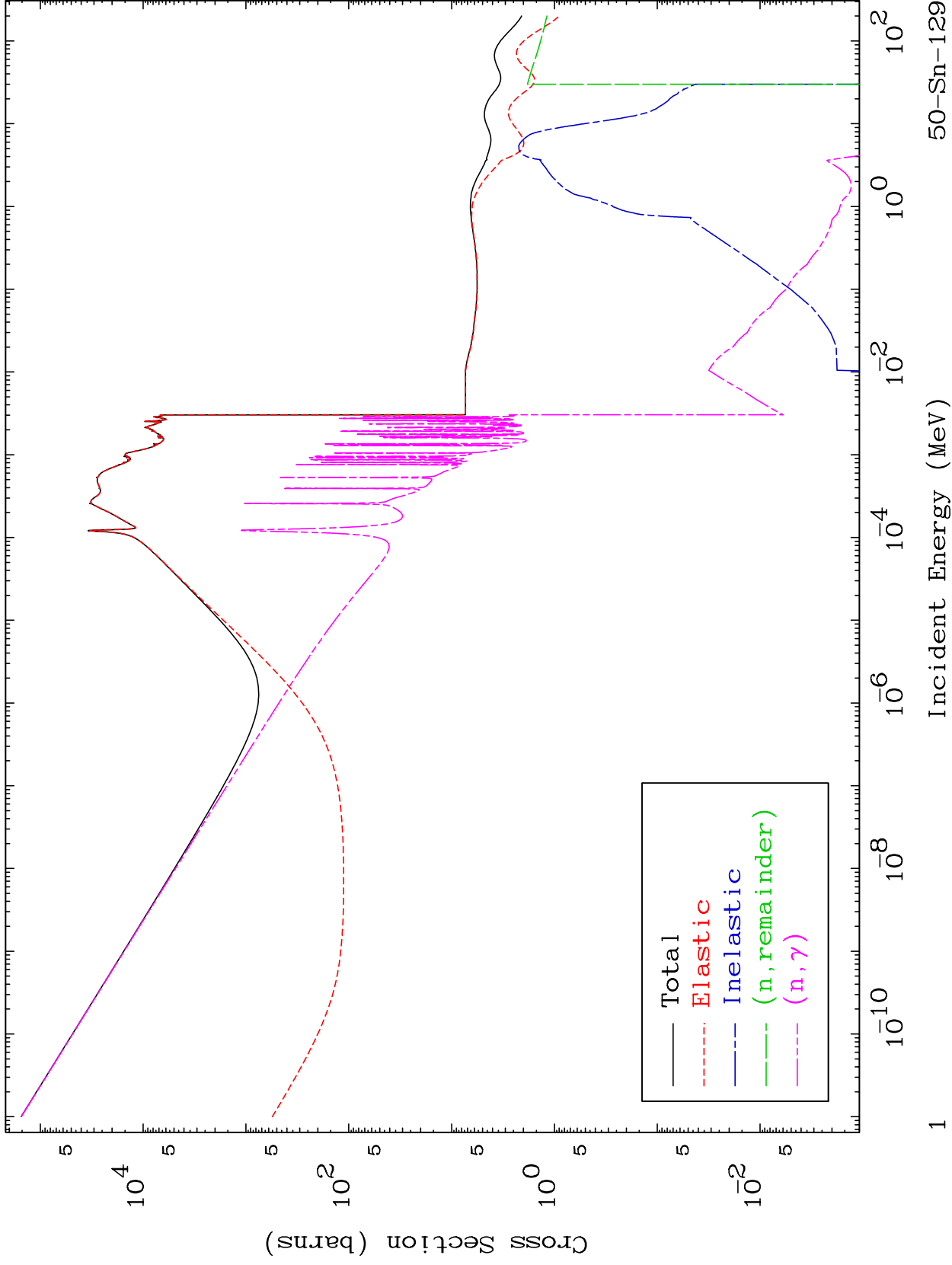
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 50777

Major
293 Kelvin Cross Sections

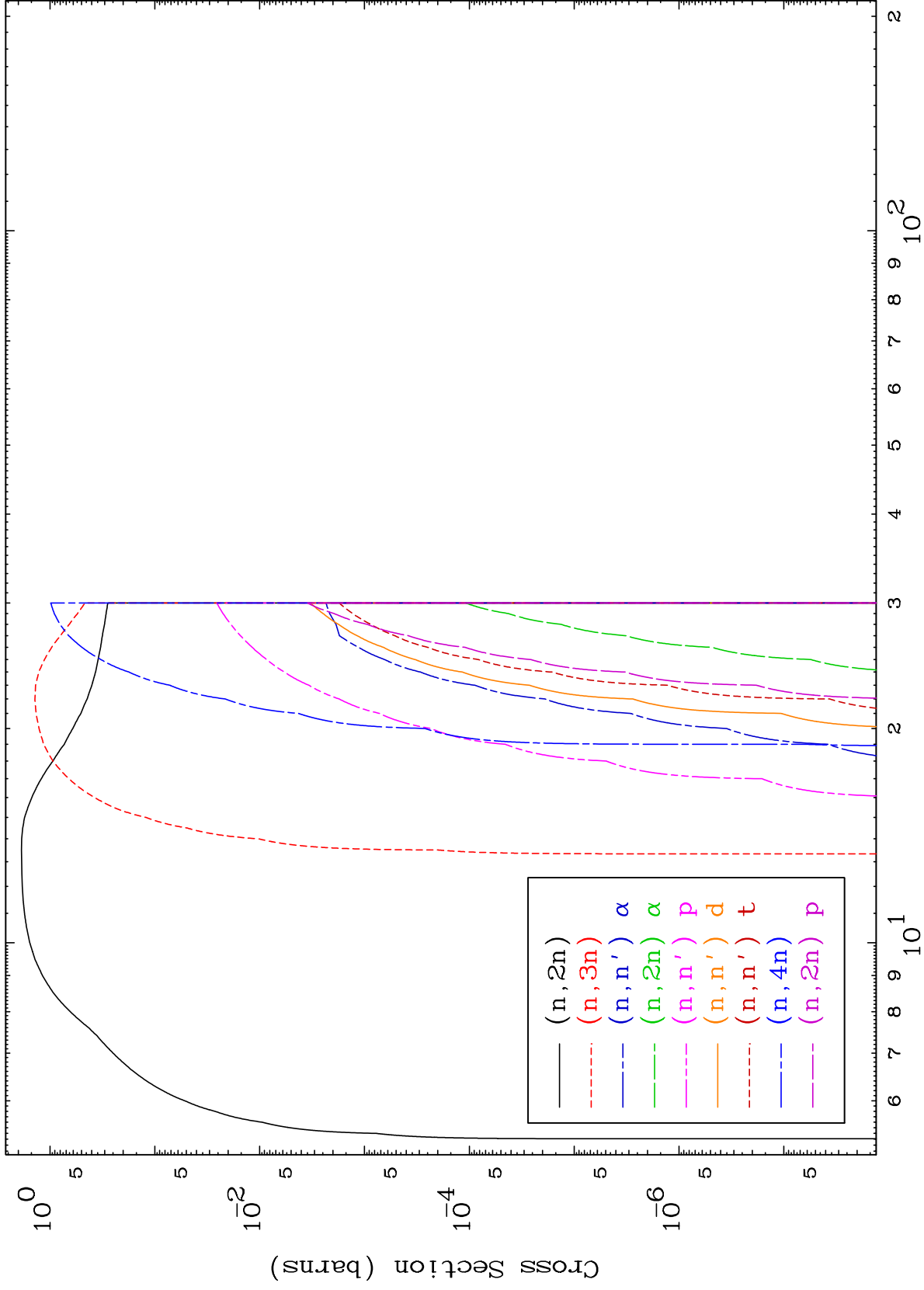
50-Sn-129



MAT 50777

Neutron Production
293 Kelvin Cross Sections

50-Sn-129



2

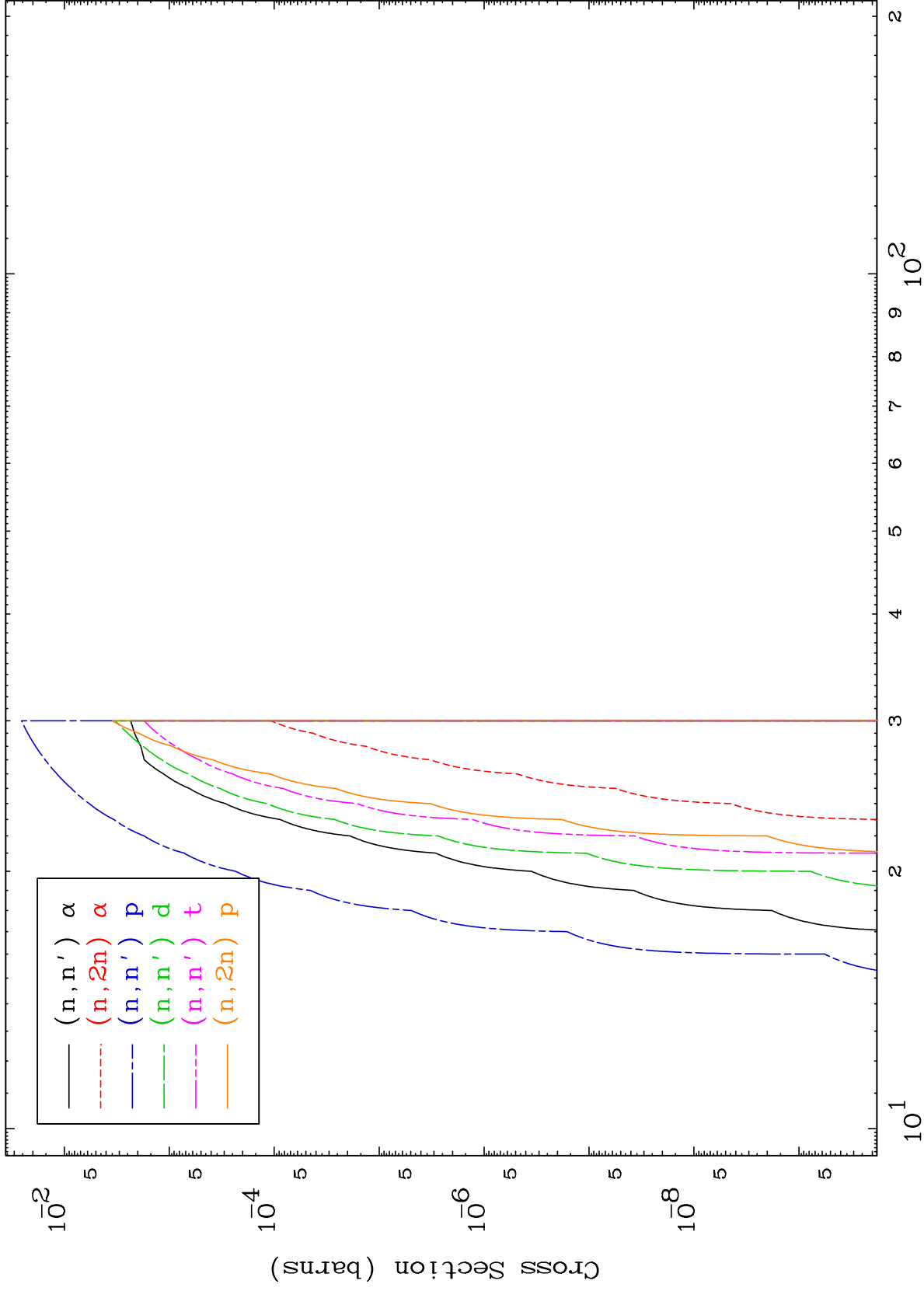
Incident Energy (MeV)

50-Sn-129

MAT 5077

Charged Particle
293 Kelvin Cross Sections

50-Sn-129



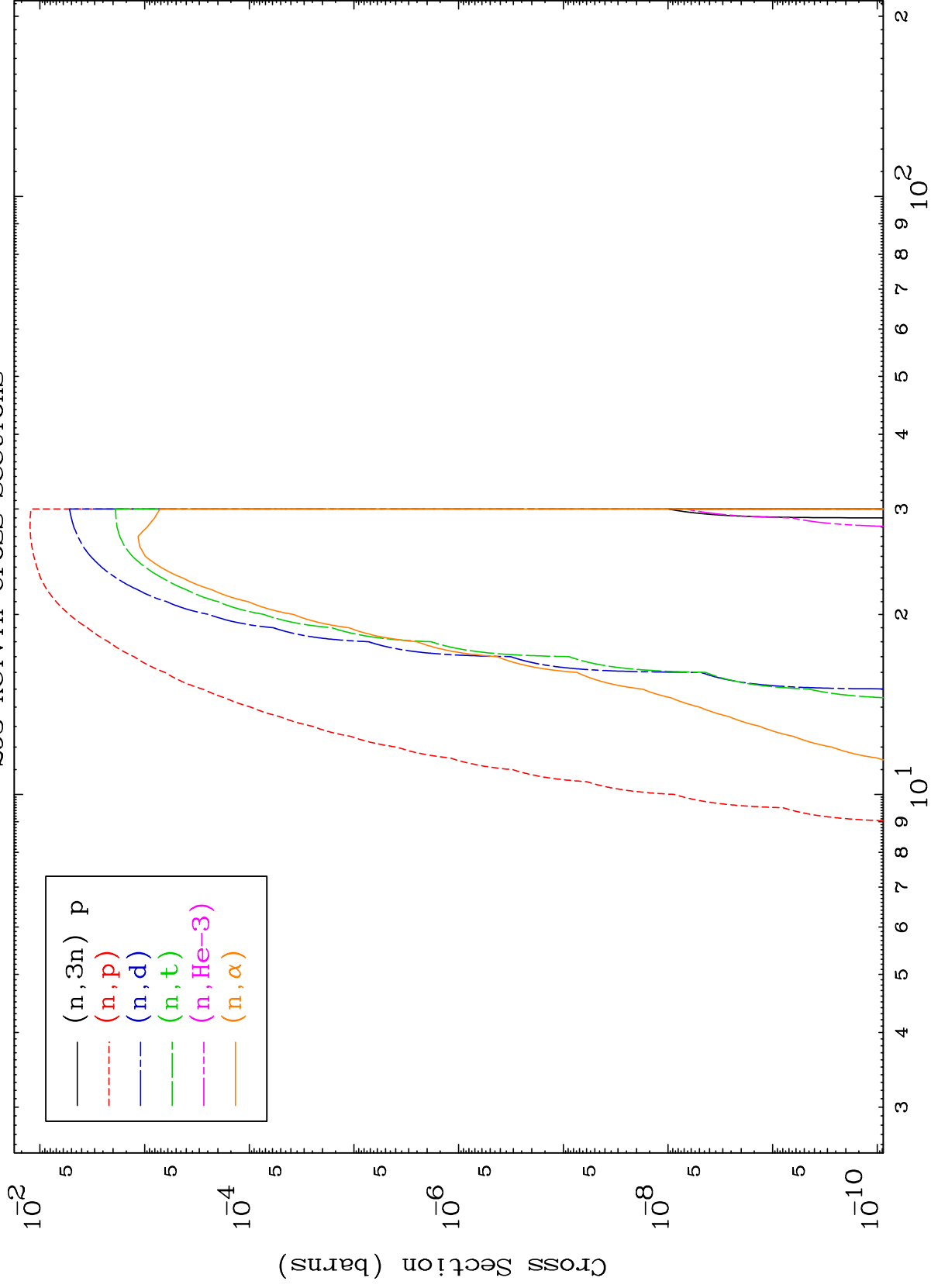
Incident Energy (MeV)

50-Sn-129

MAT 50777

Charged Particle
293 Kelvin Cross Sections

50-Sn-129



4

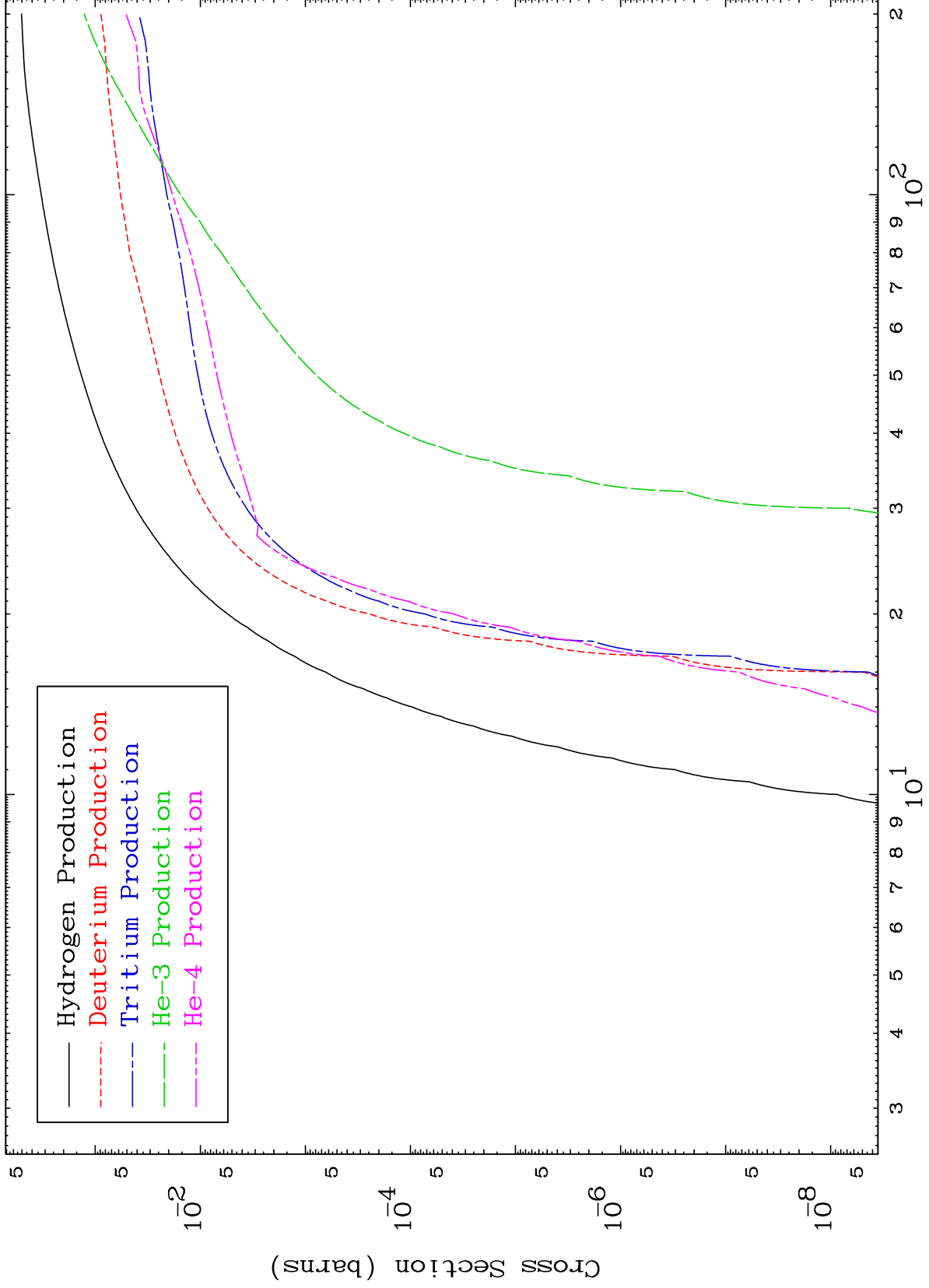
Incident Energy (MeV)

50-Sn-129

MAT 5077

Particle Production
293 Kelvin Cross Sections

50-Sn-129



5

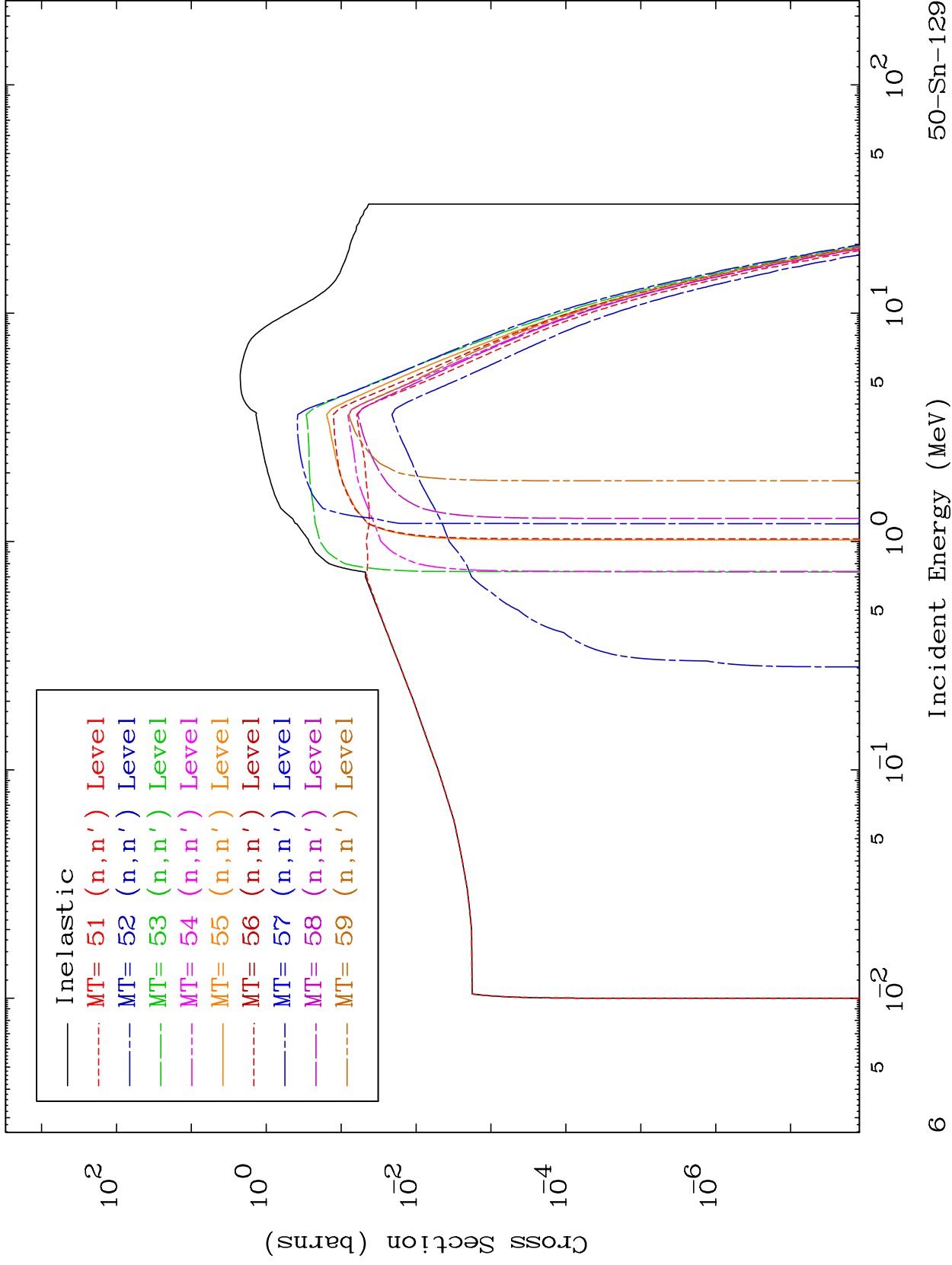
Incident Energy (MeV)

50-Sn-129

MAT 5077

(n,n') Level
293 Kelvin Cross Sections

50-Sn-129

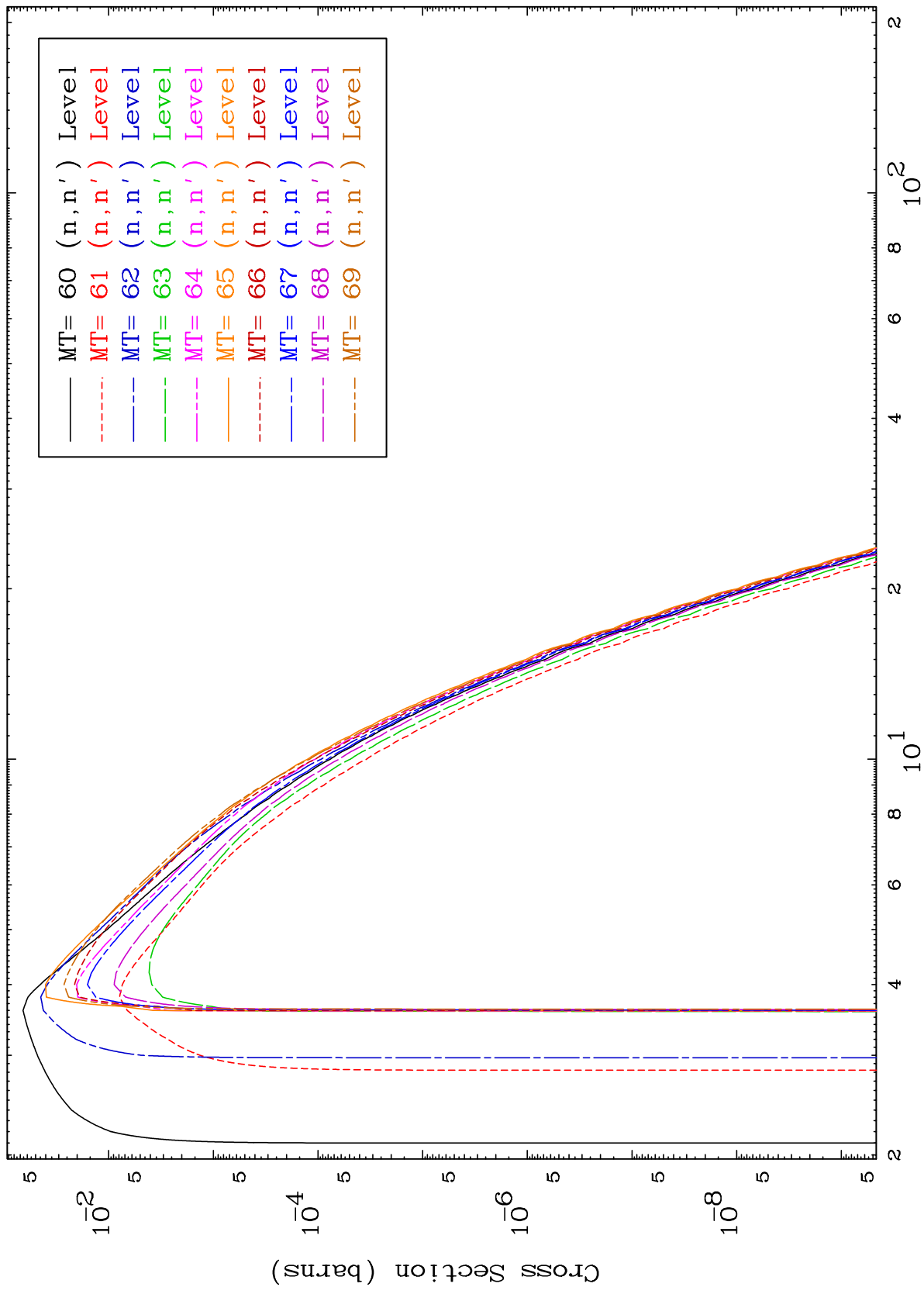


MAT 5077

(n,n') Level

50-Sn-129

293 Kelvin Cross Sections



7

Incident Energy (MeV)

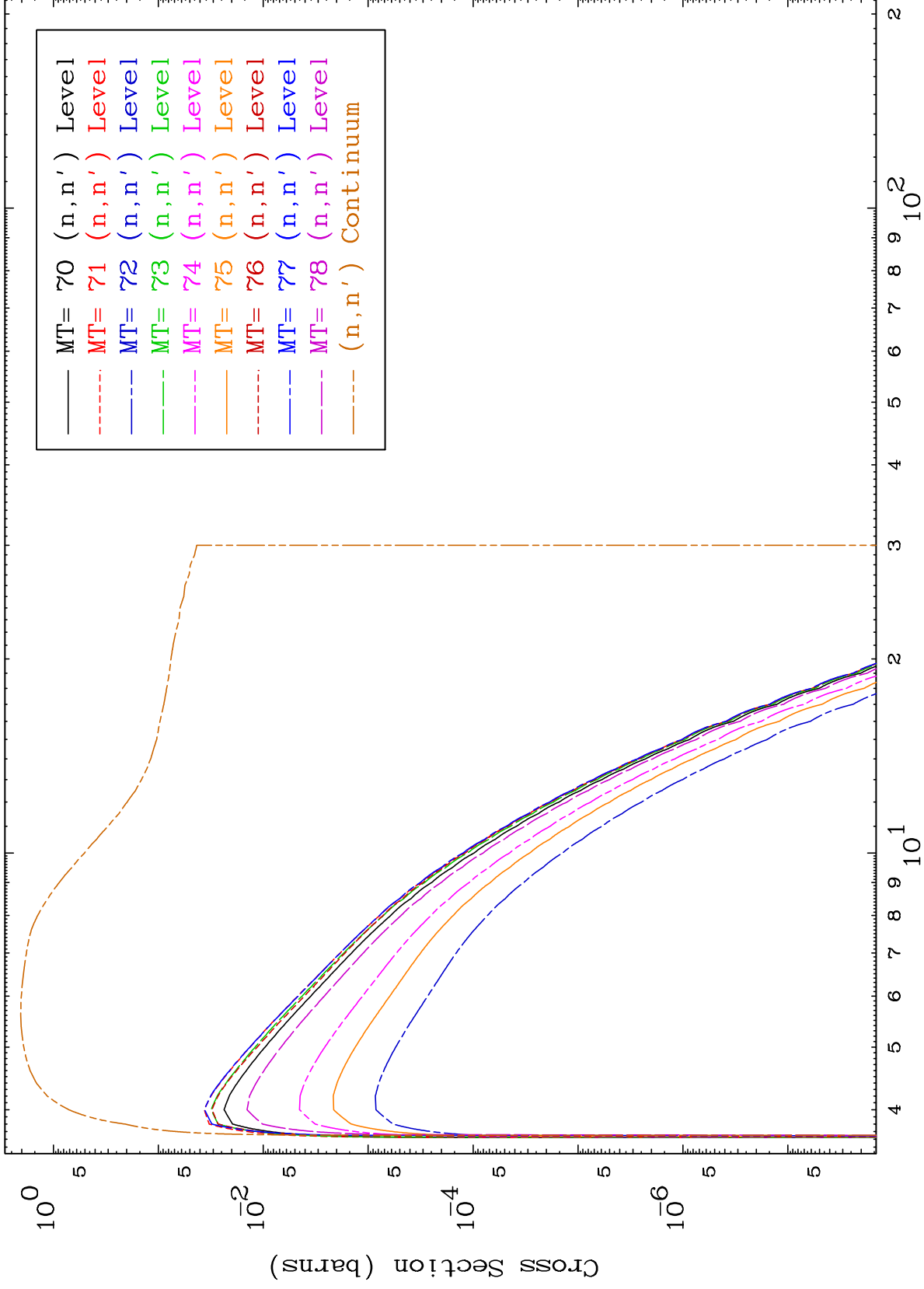
50-Sn-129

MAT 50777

(n,n') Level

50-Sn-129

293 Kelvin Cross Sections



8

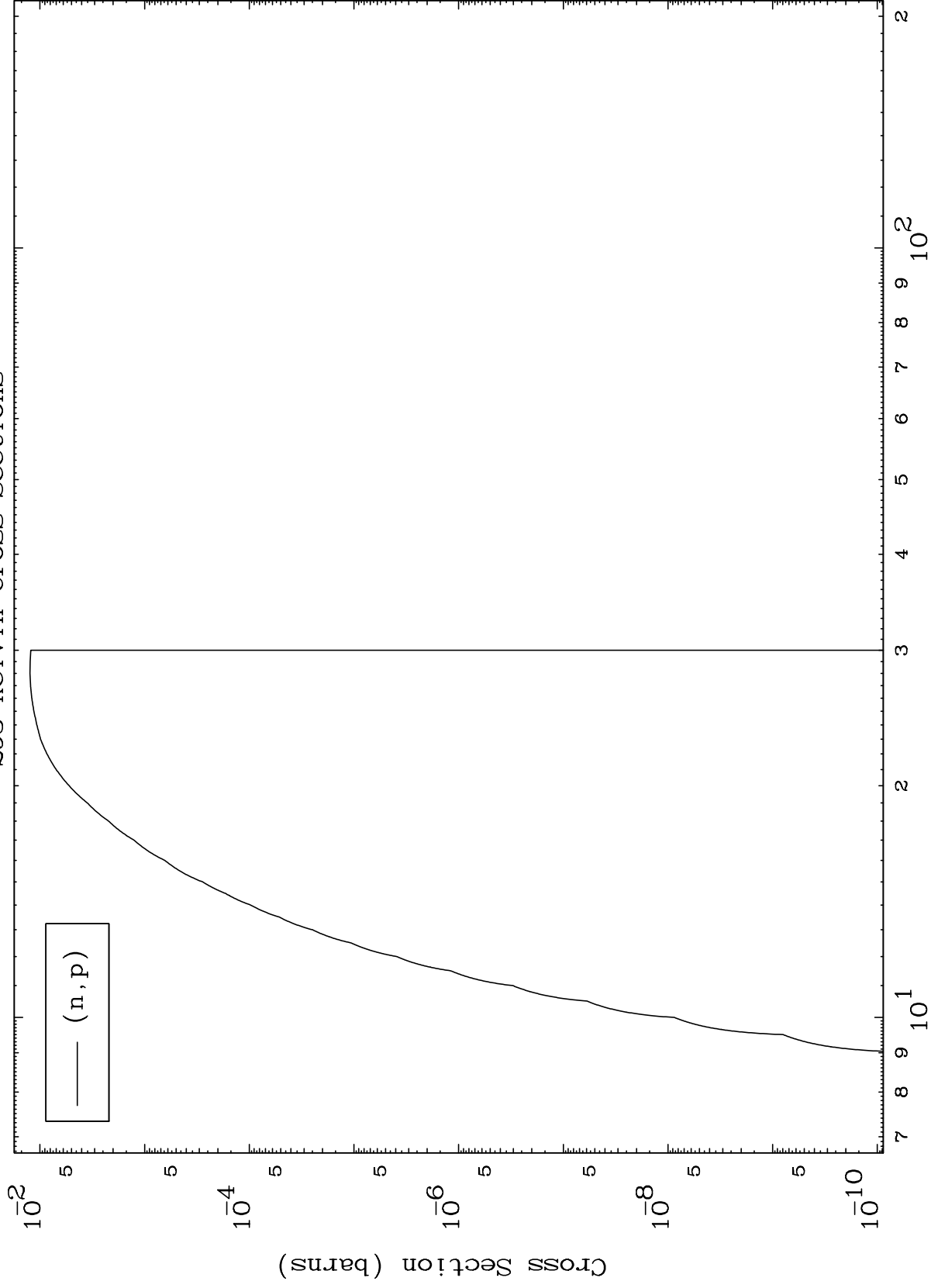
Incident Energy (MeV)

50-Sn-129

MAT 50777

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-129



9

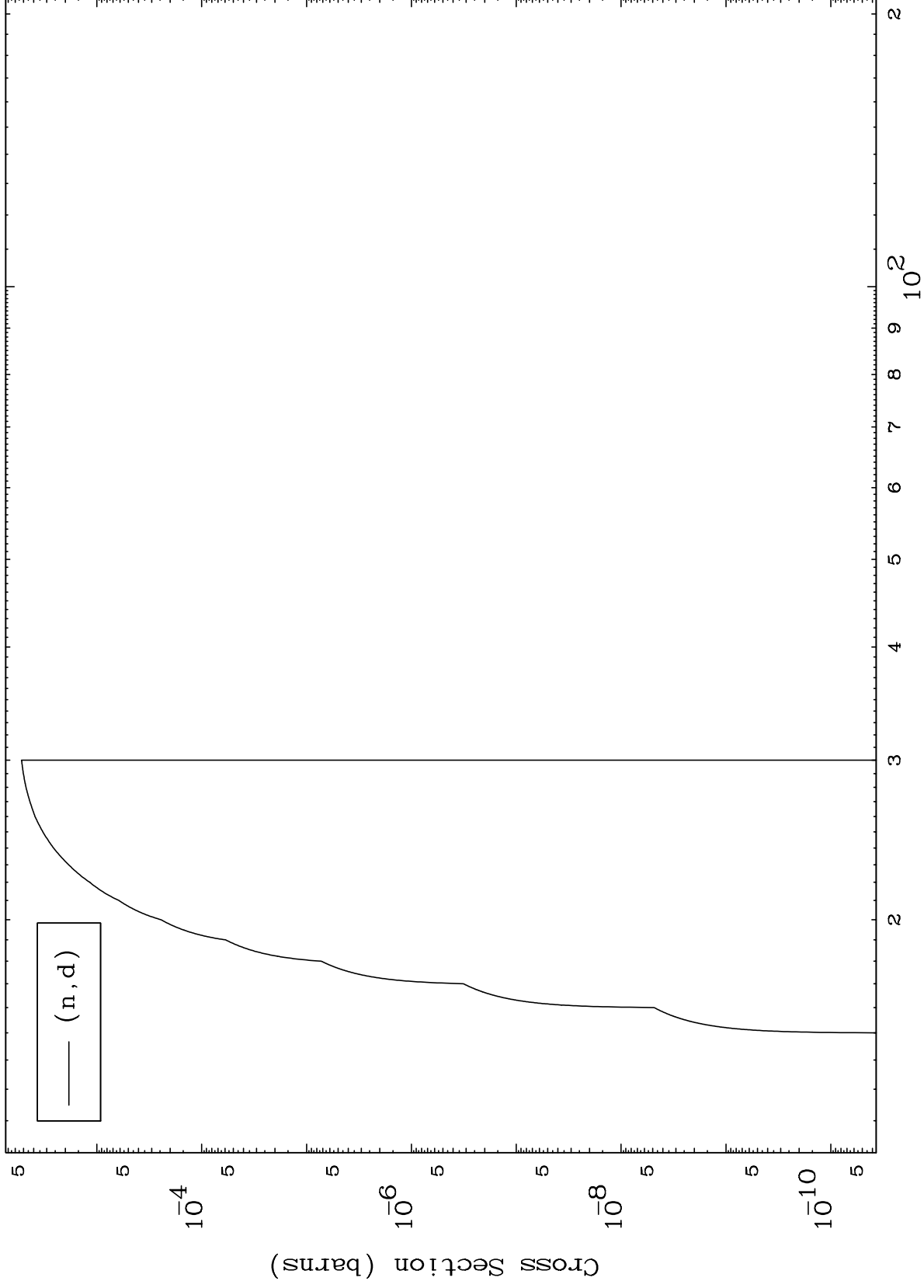
Incident Energy (MeV)

50-Sn-129

MAT 5077

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-129



10

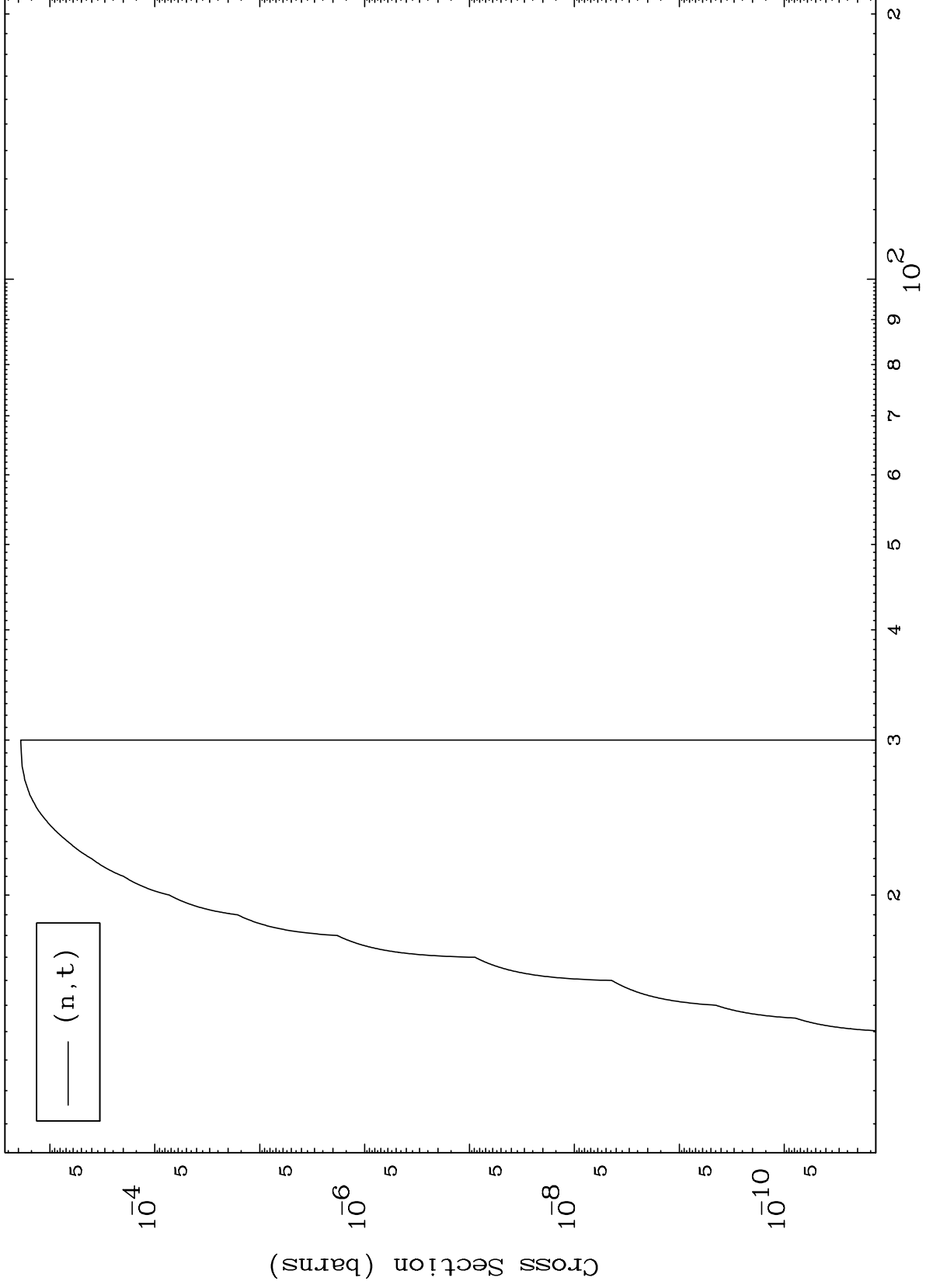
Incident Energy (MeV)

50-Sn-129

MAT 5077

(n,t) Levels
293 Kelvin Cross Sections

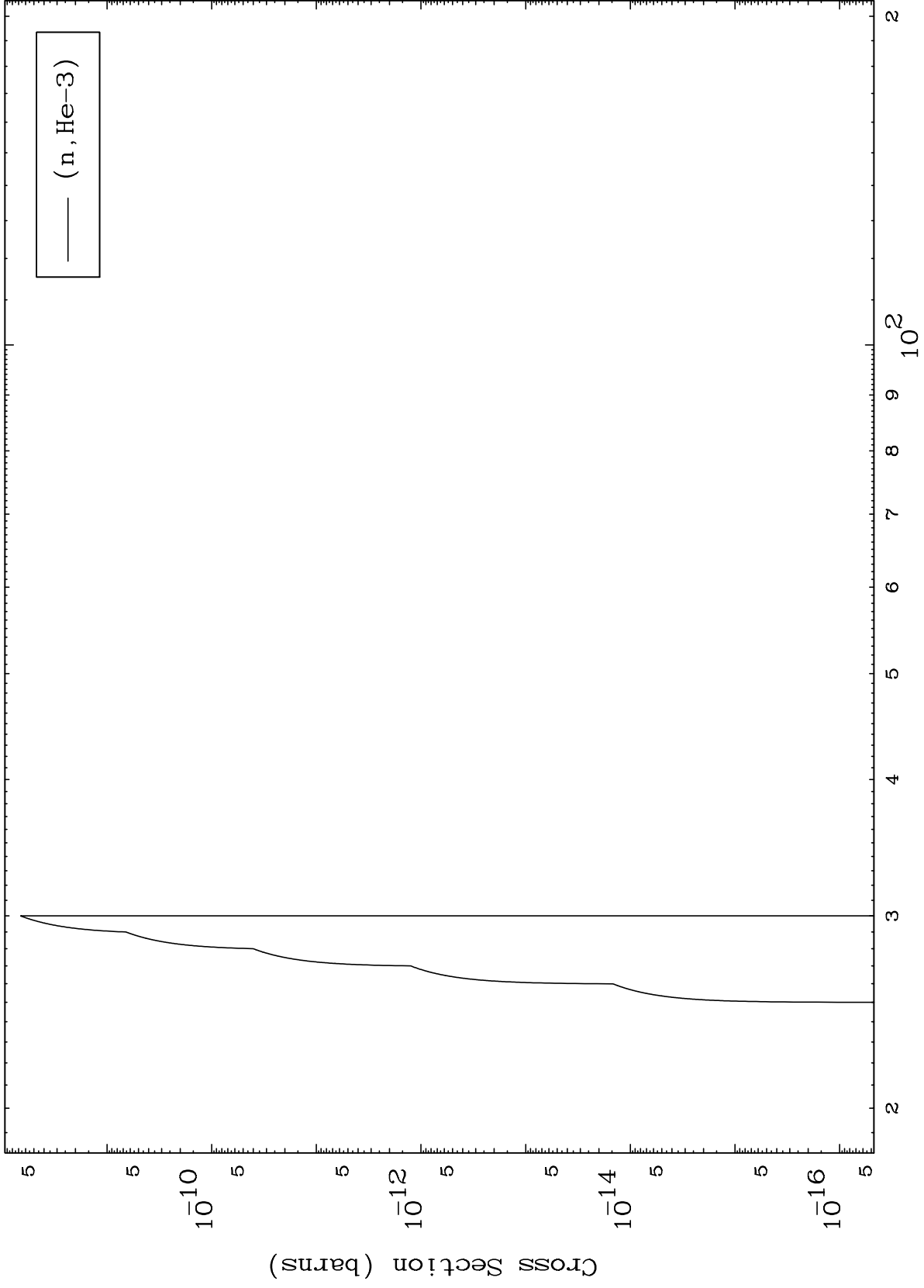
50-Sn-129



MAT 5077

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-129



12

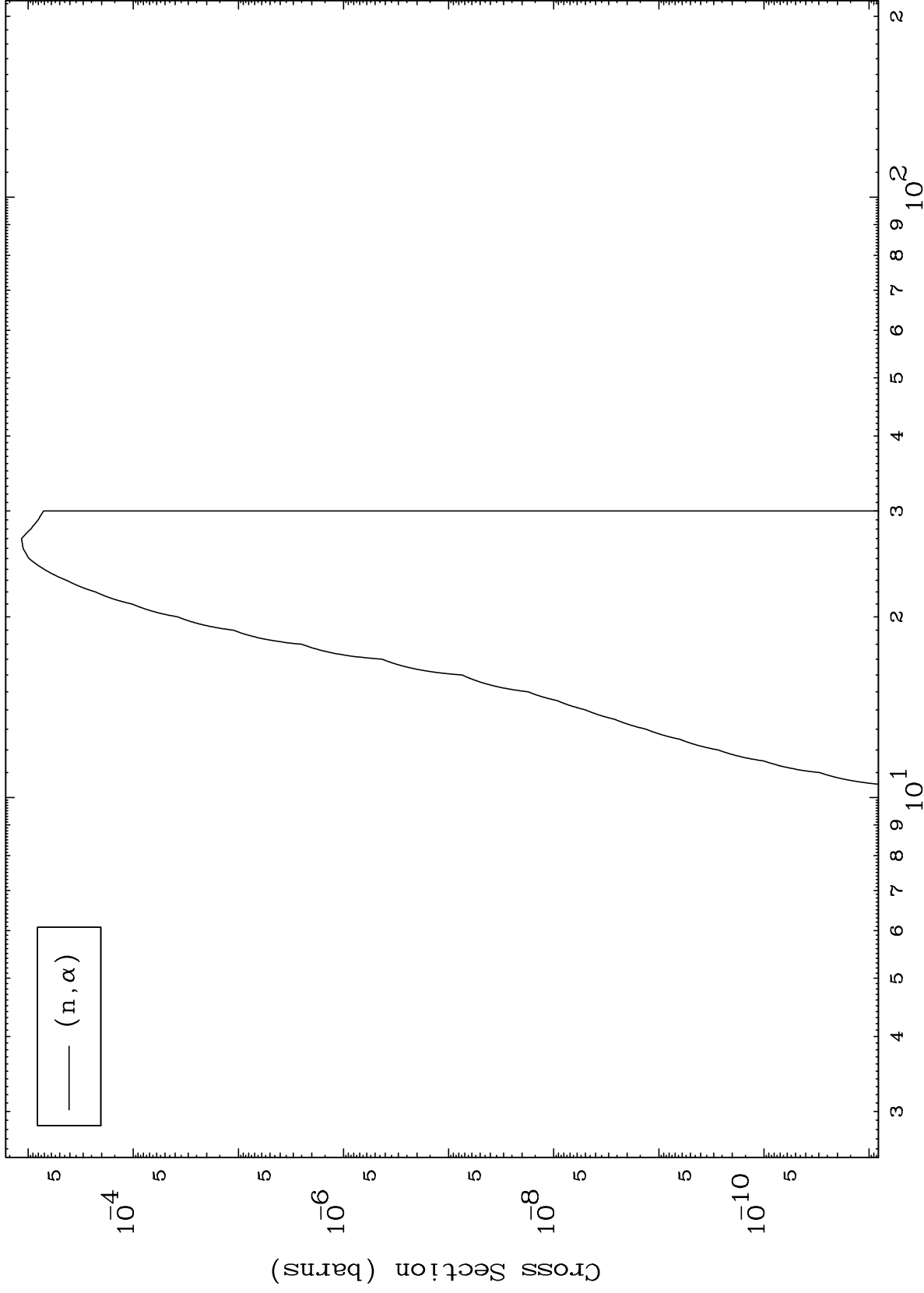
Incident Energy (MeV)

50-Sn-129

MAT 5077

(n, α) Levels
293 Kelvin Cross Sections

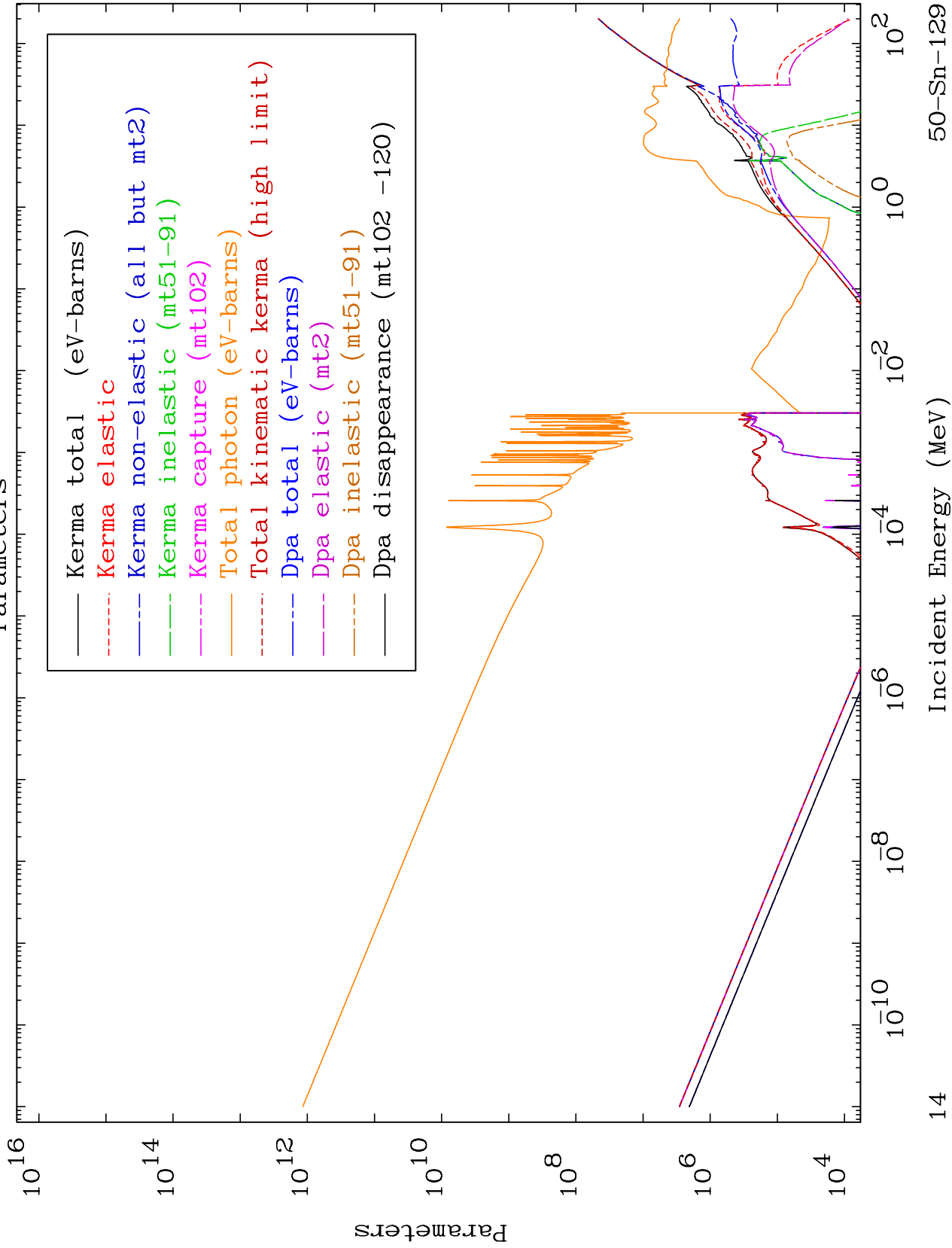
50-Sn-129



13

Incident Energy (MeV)

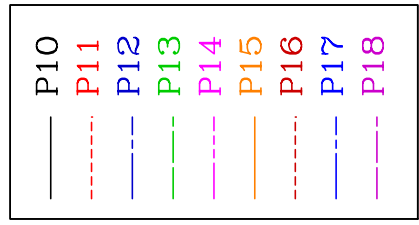
50-Sn-129



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Elastic Legendre Coefficients

50-Sn-129



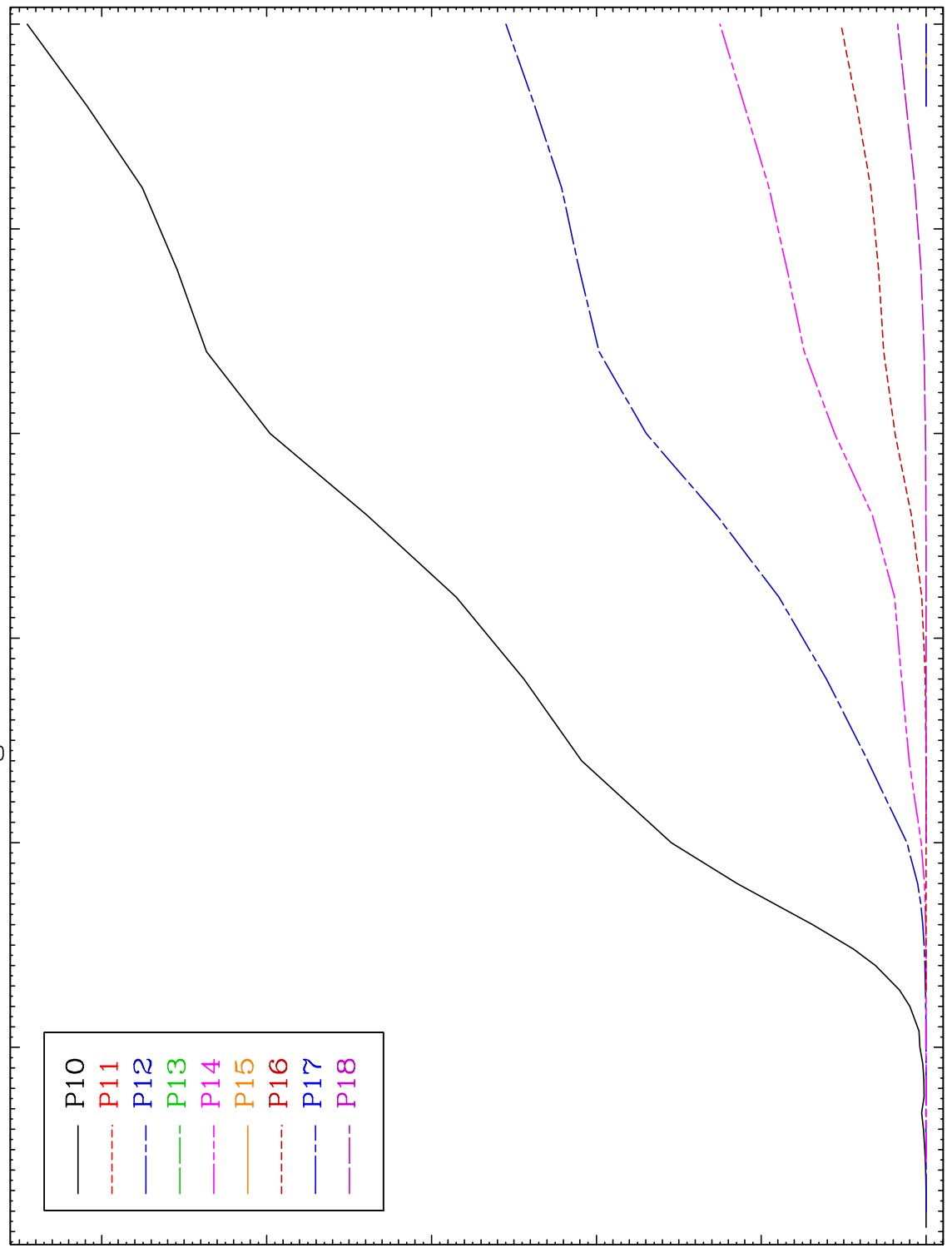
$\times 10^{-4}$

Legendre (CM)

16

Incident Energy (MeV)

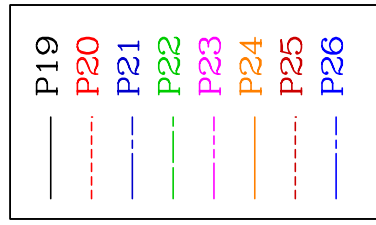
50-Sn-129



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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

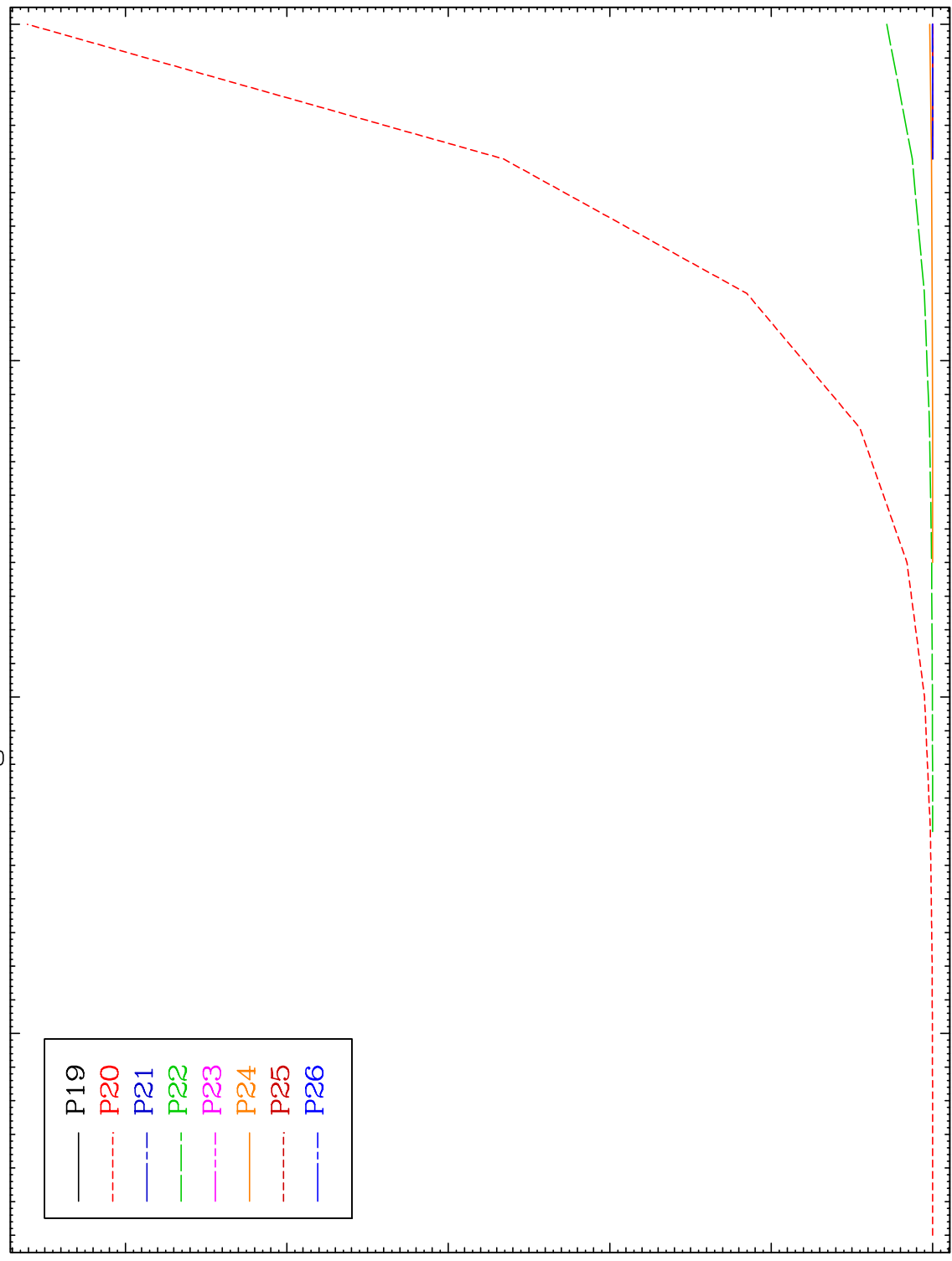
25

30

17

Incident Energy (MeV)

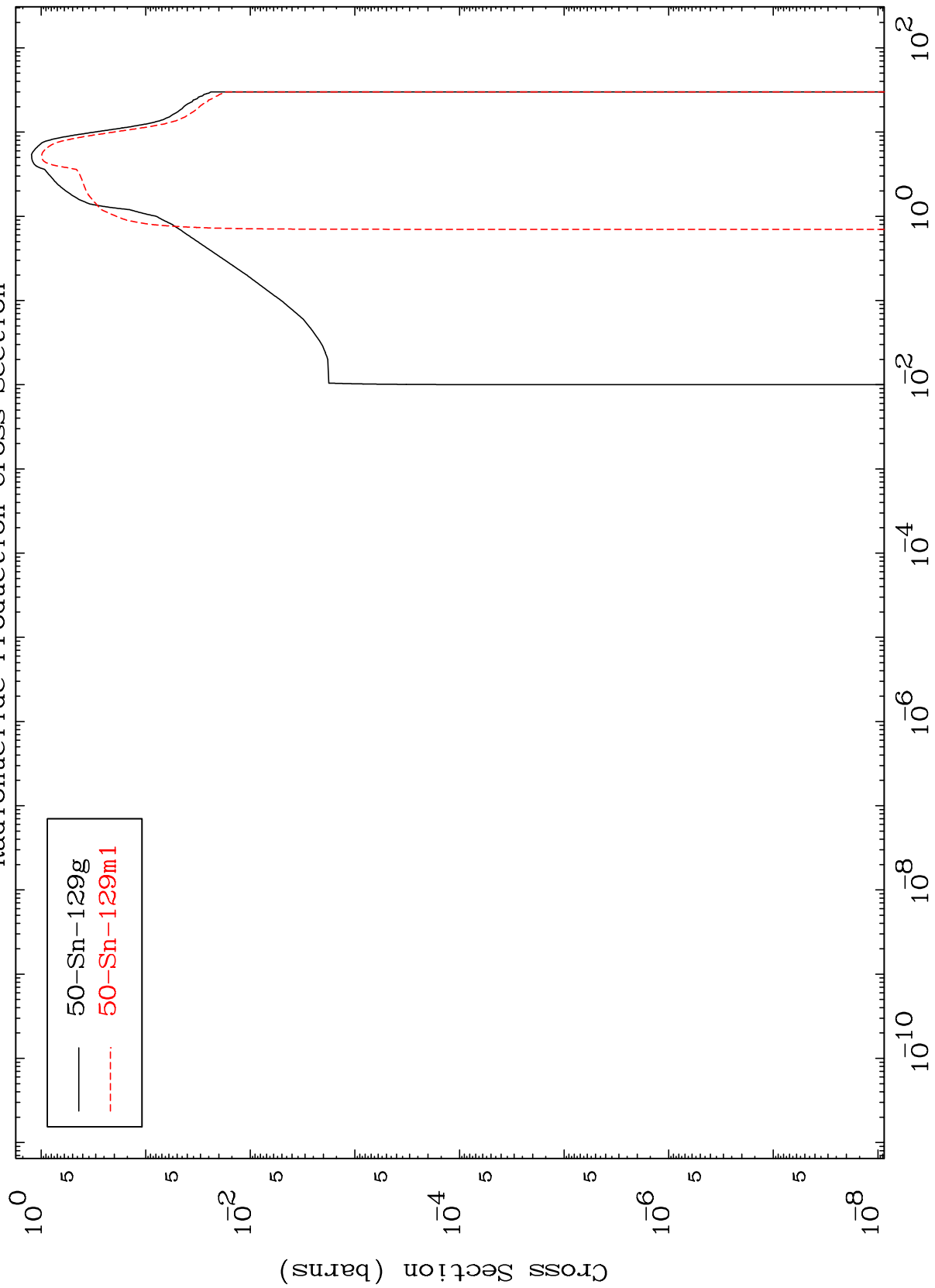
50-Sn-129



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Inelastic
Radionuclide Production Cross Section

50-Sn-129



50-Sn-129g
50-Sn-129m1

50-Sn-129

Incident Energy (MeV)

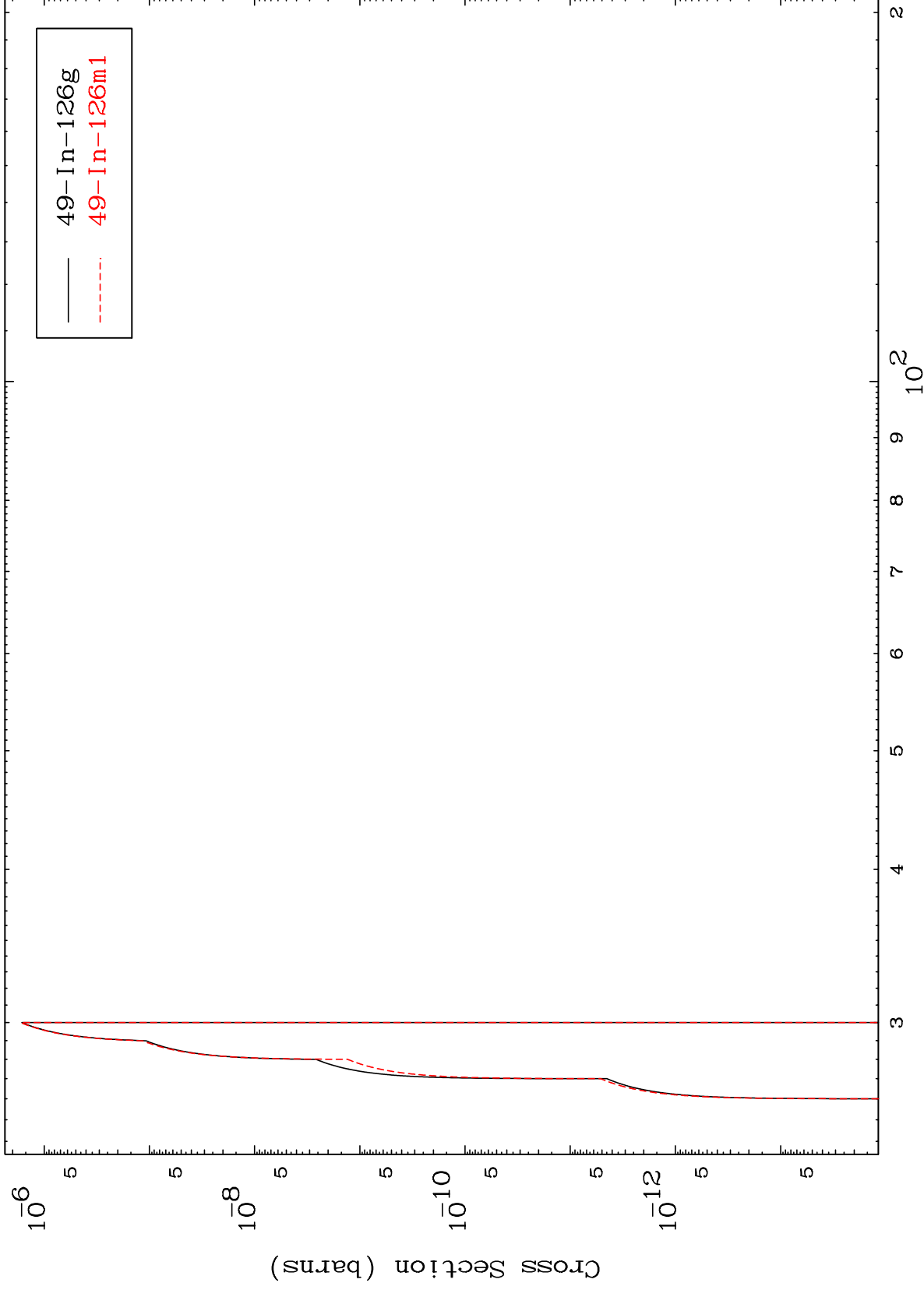
18

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(n,2n) d

50-Sn-129

Radionuclide Production Cross Section



19

Incident Energy (MeV)

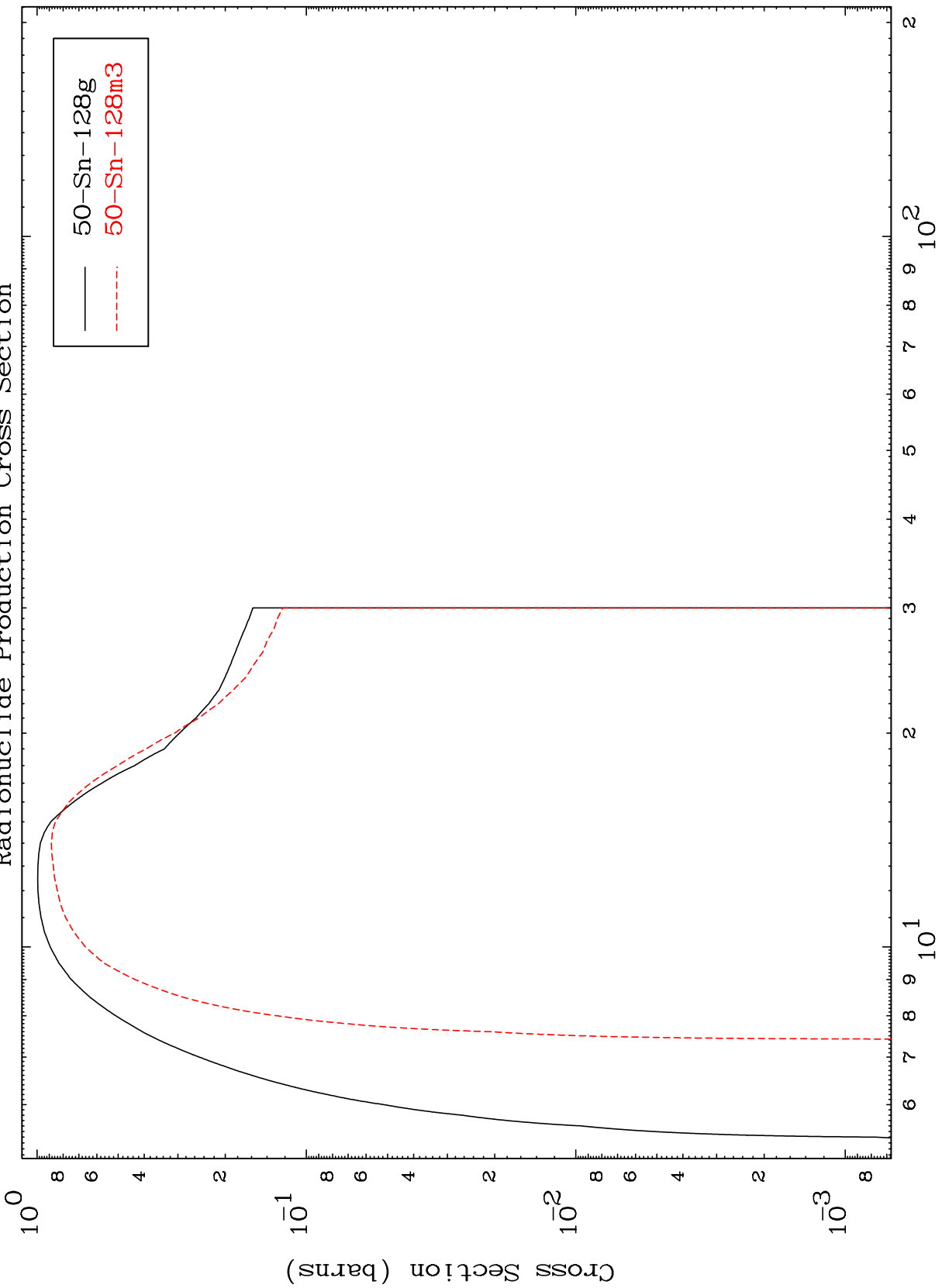
50-Sn-129

MAT 50777

50-Sn-129

(n,2n)

Radionuclide Production Cross Section



50-Sn-129

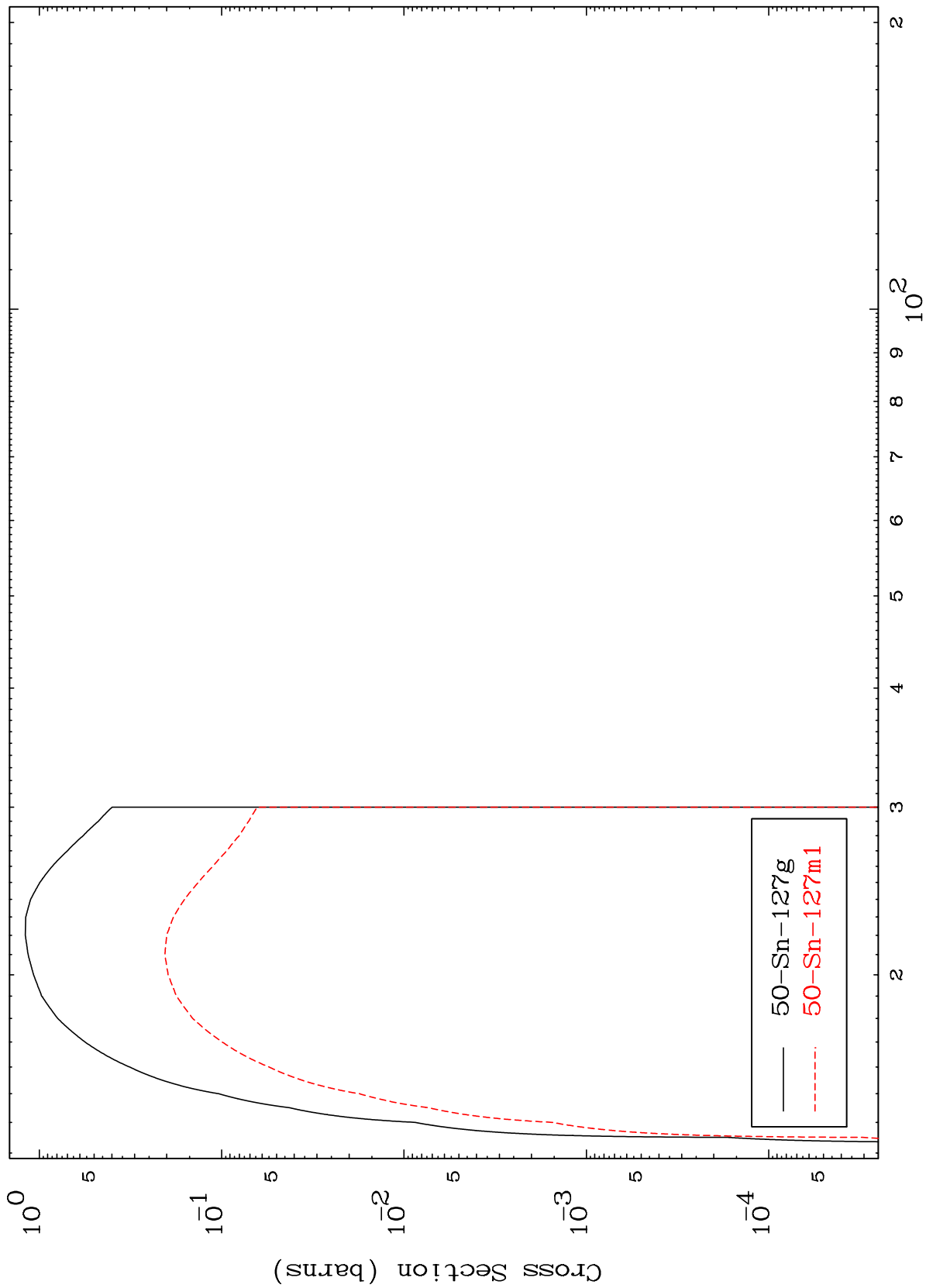
Incident Energy (MeV)

20

MAT 50777

50-Sn-129

Radionuclide Production Cross Section
(n,3n)



50-Sn-129

Incident Energy (MeV)

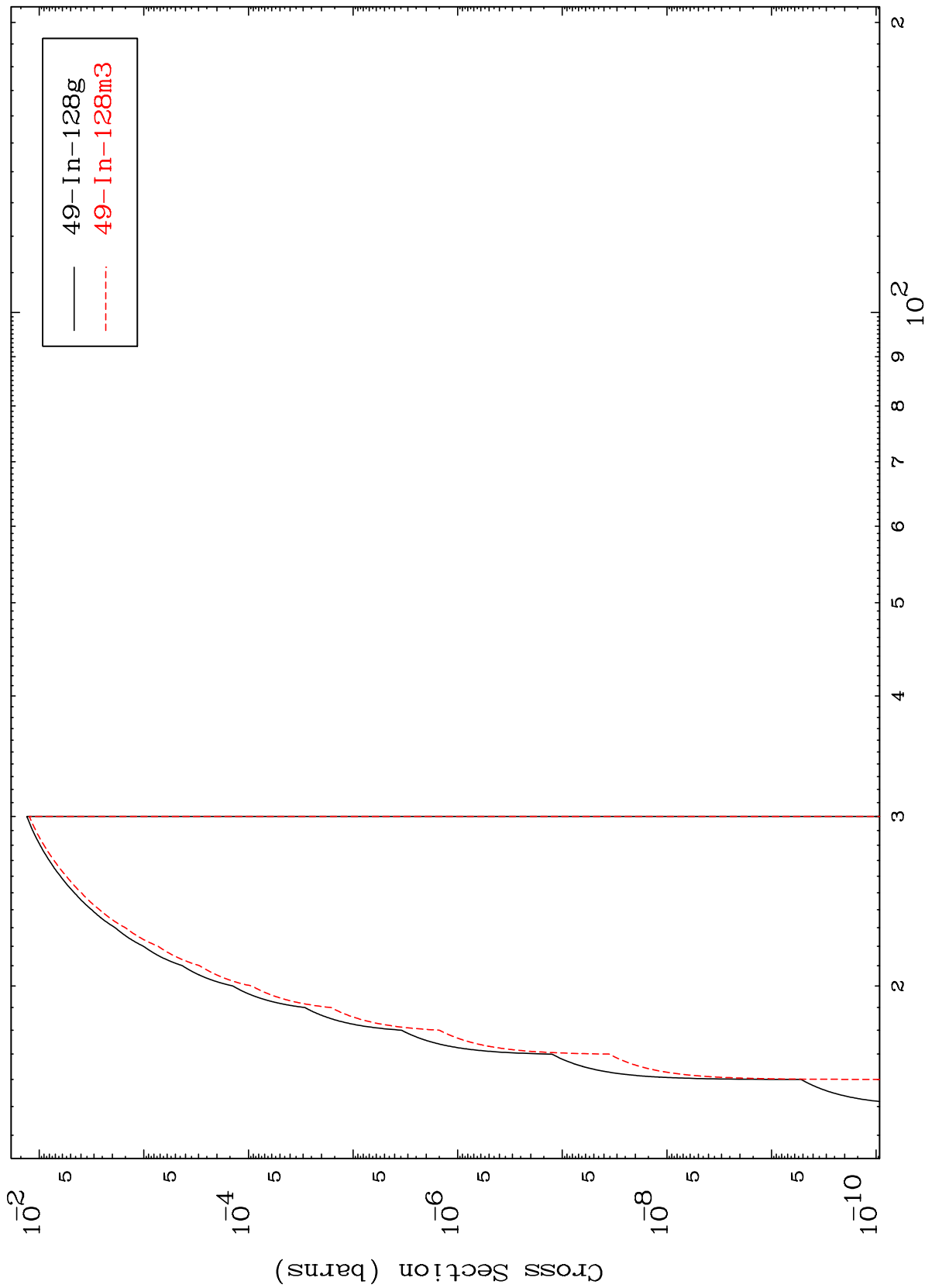
21

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(n,n') p

50-Sn-129

Radionuclide Production Cross Section



22

Incident Energy (MeV)

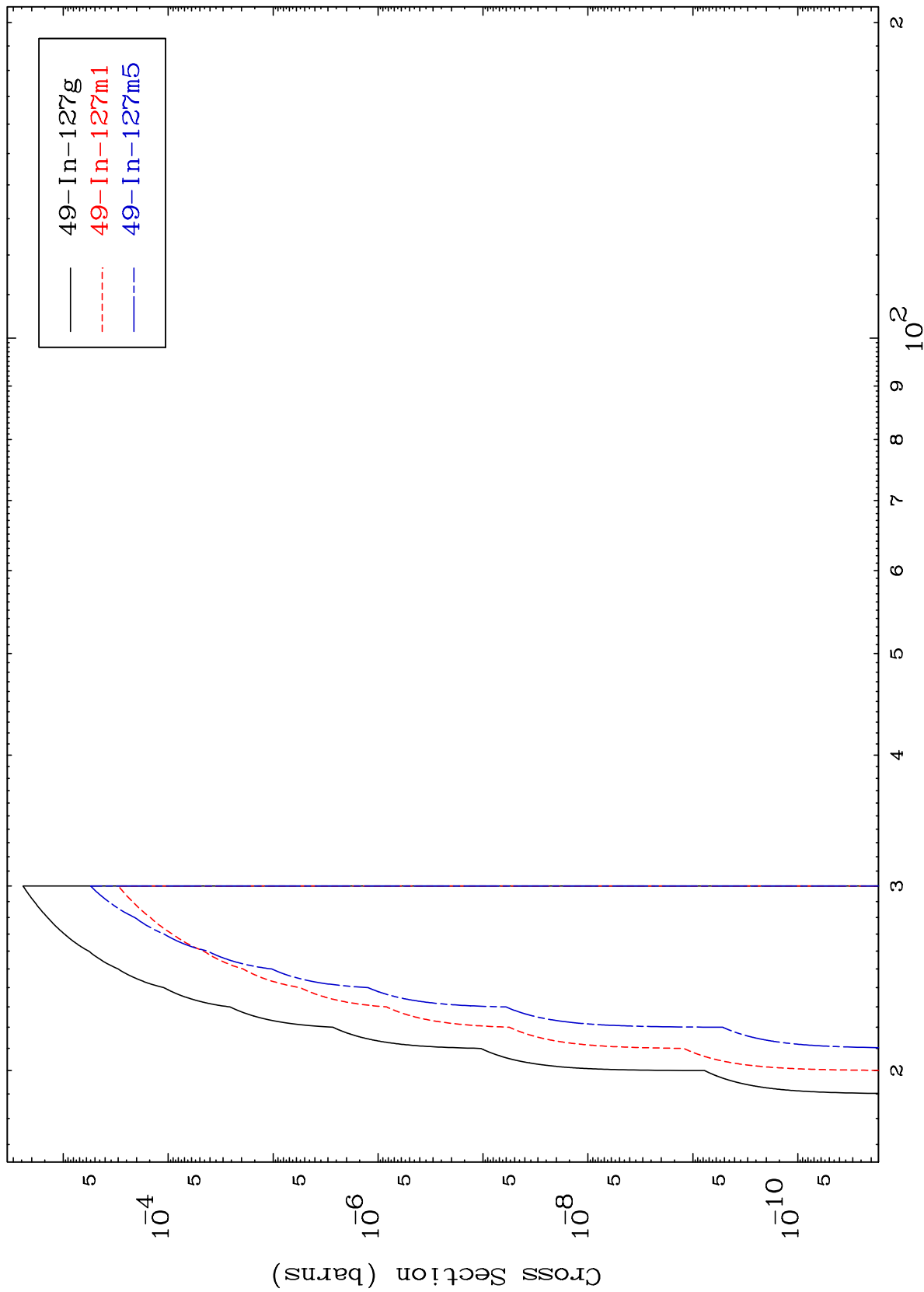
50-Sn-129

MAT 50777

(n,n') d

50-Sn-129

Radionuclide Production Cross Section



23

Incident Energy (MeV)

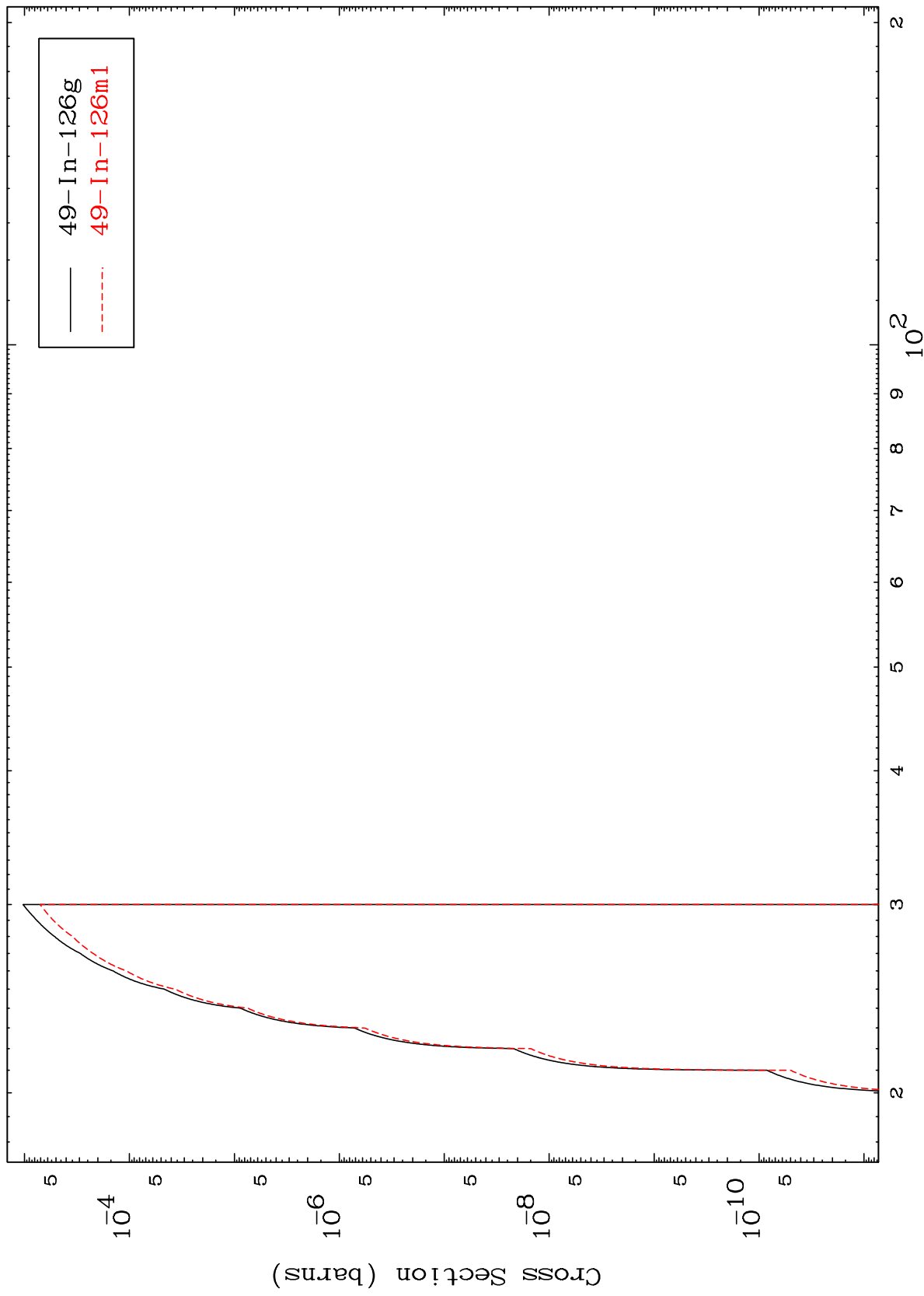
50-Sn-129

MAT 50777

(n,n') t

50-Sn-129

Radionuclide Production Cross Section



24

Incident Energy (MeV)

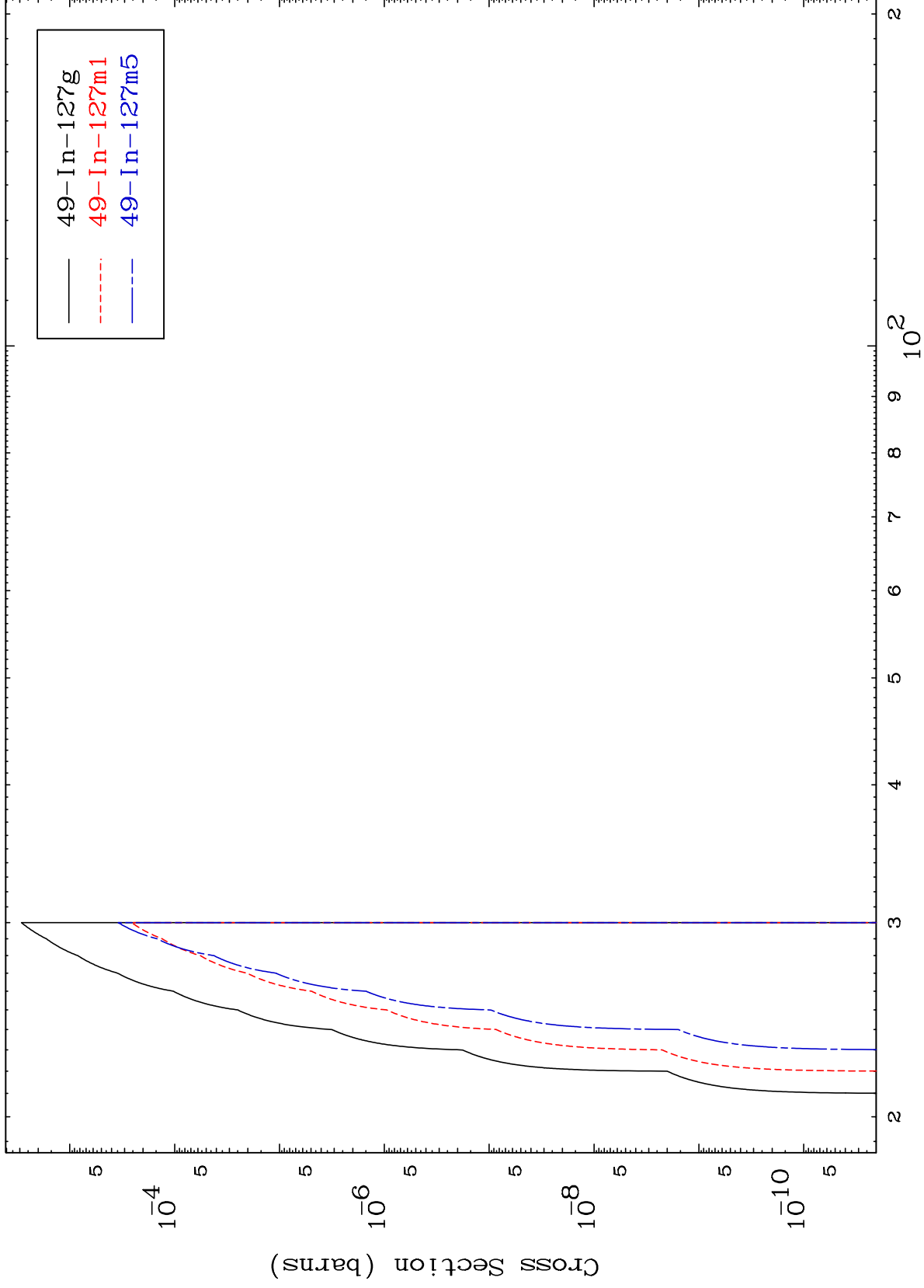
50-Sn-129

MAT 50777

(n,2n) p

50-Sn-129

Radionuclide Production Cross Section



25

Incident Energy (MeV)

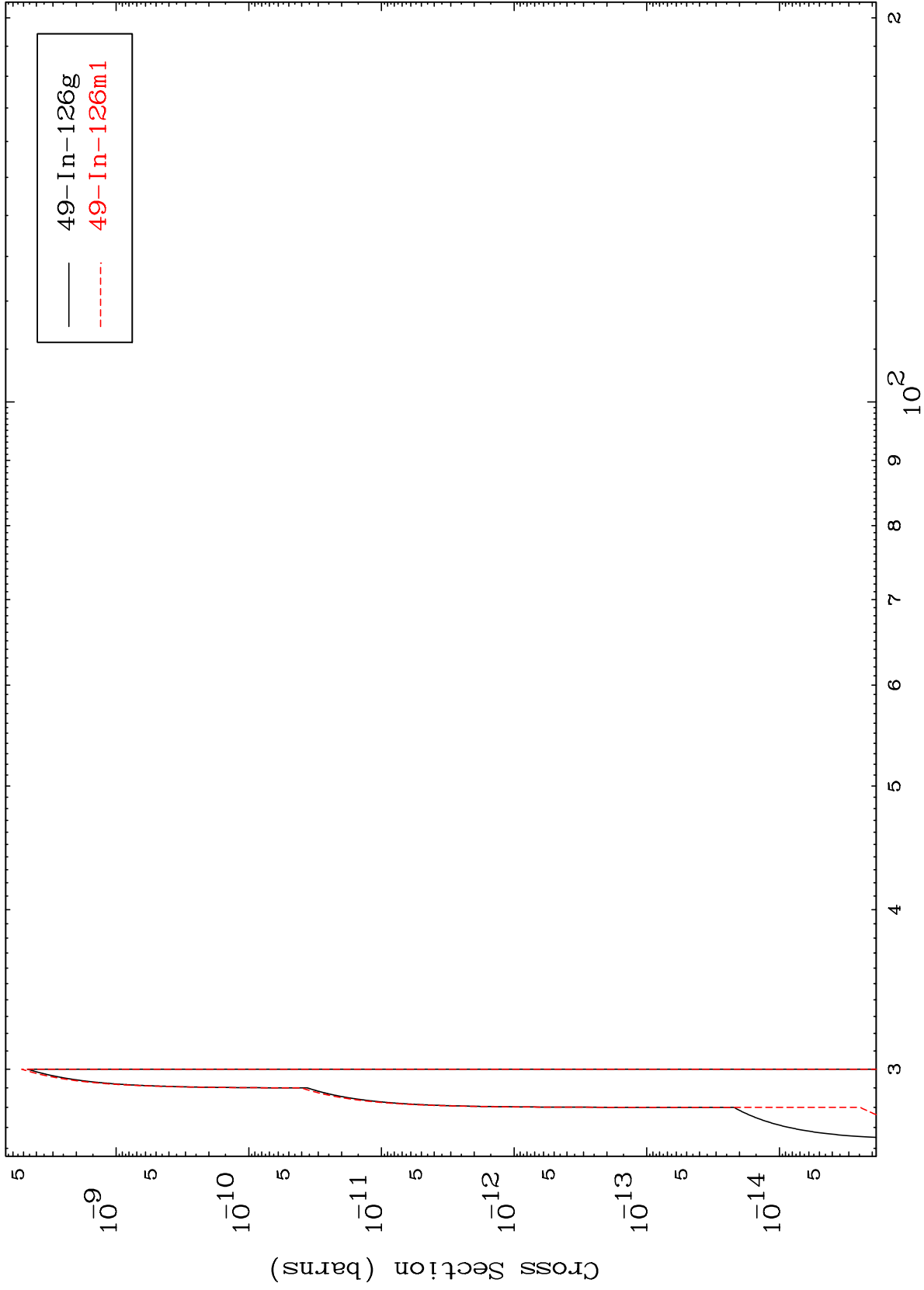
50-Sn-129

MAT 5077

(n,3n) p

50-Sn-129

Radionuclide Production Cross Section



26

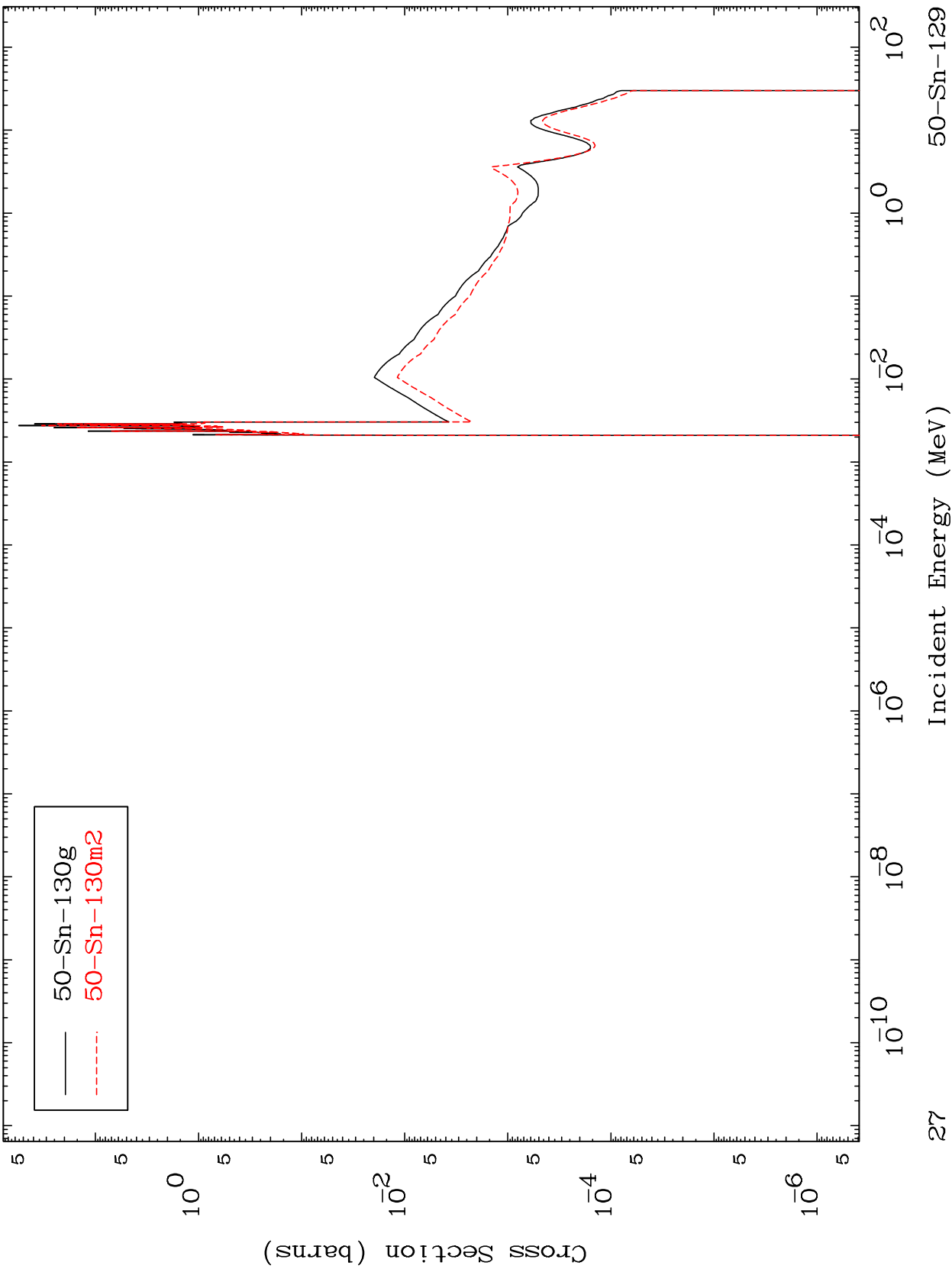
Incident Energy (MeV)

50-Sn-129

MAT 5077

50-Sn-129

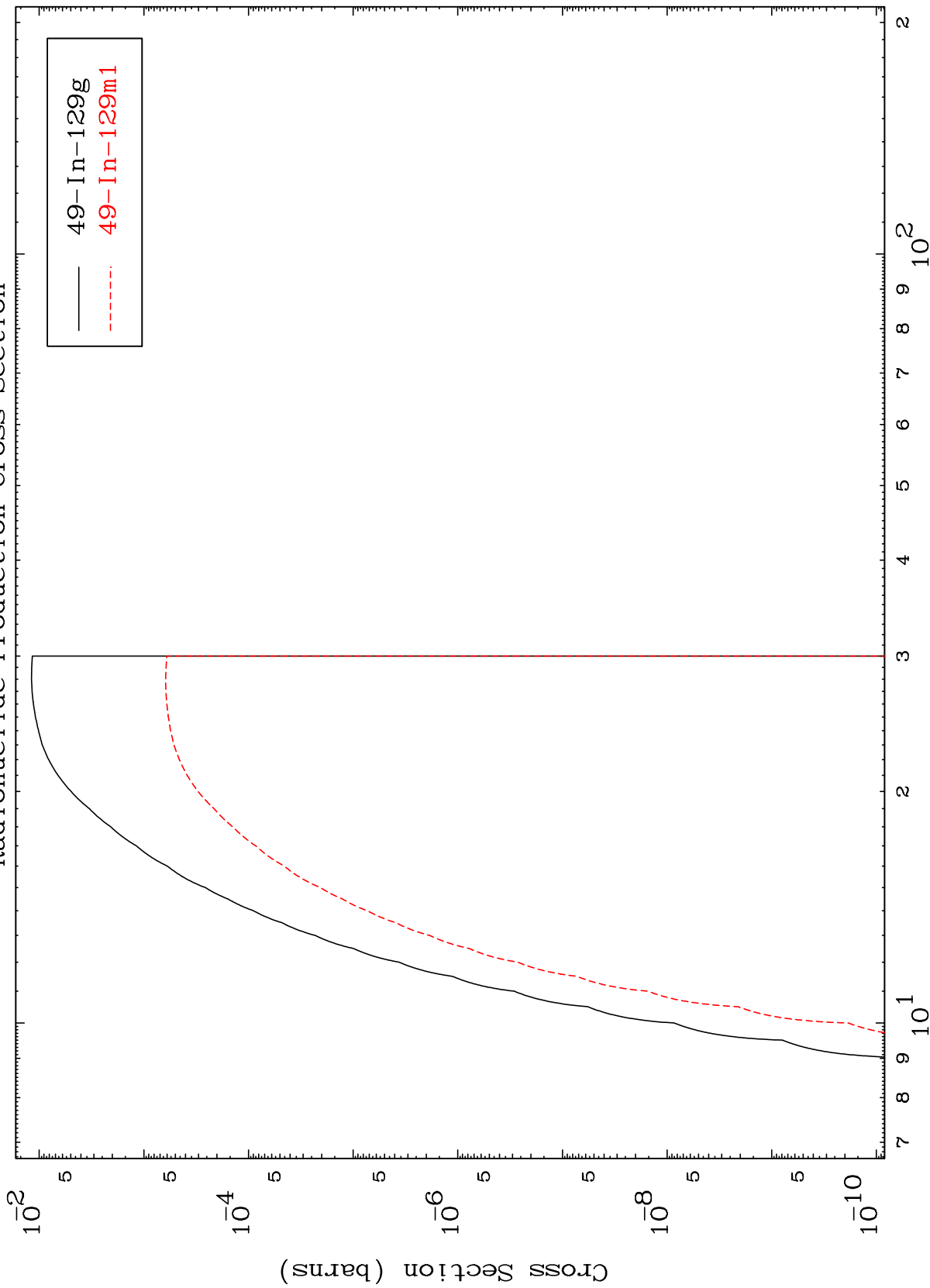
(n, γ)
Radionuclide Production Cross Section



MAT 50777

50-Sn-129

(n,p)
Radionuclide Production Cross Section



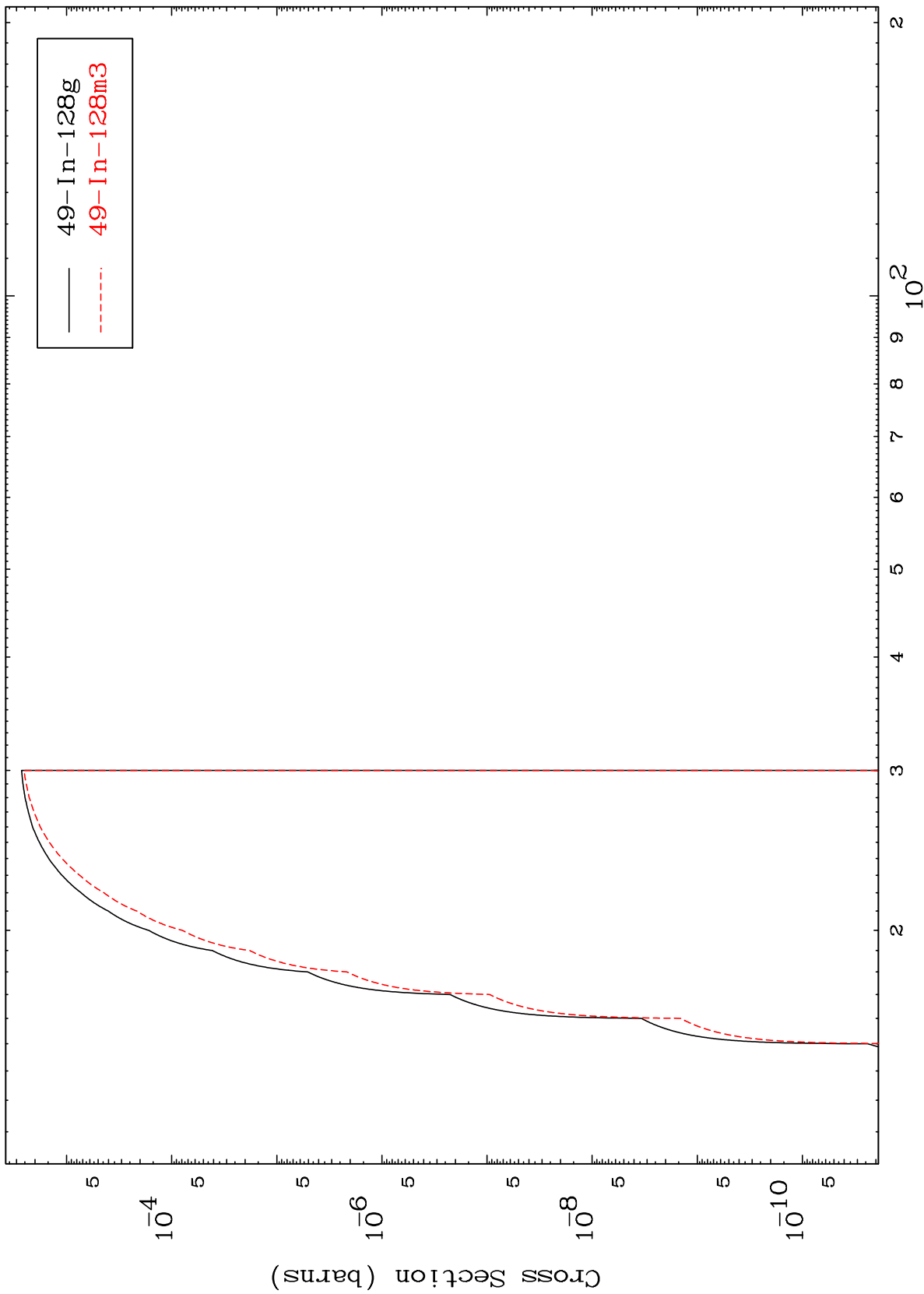
— 49-In-129g
- - - 49-In-129m1

28

Incident Energy (MeV)

50-Sn-129

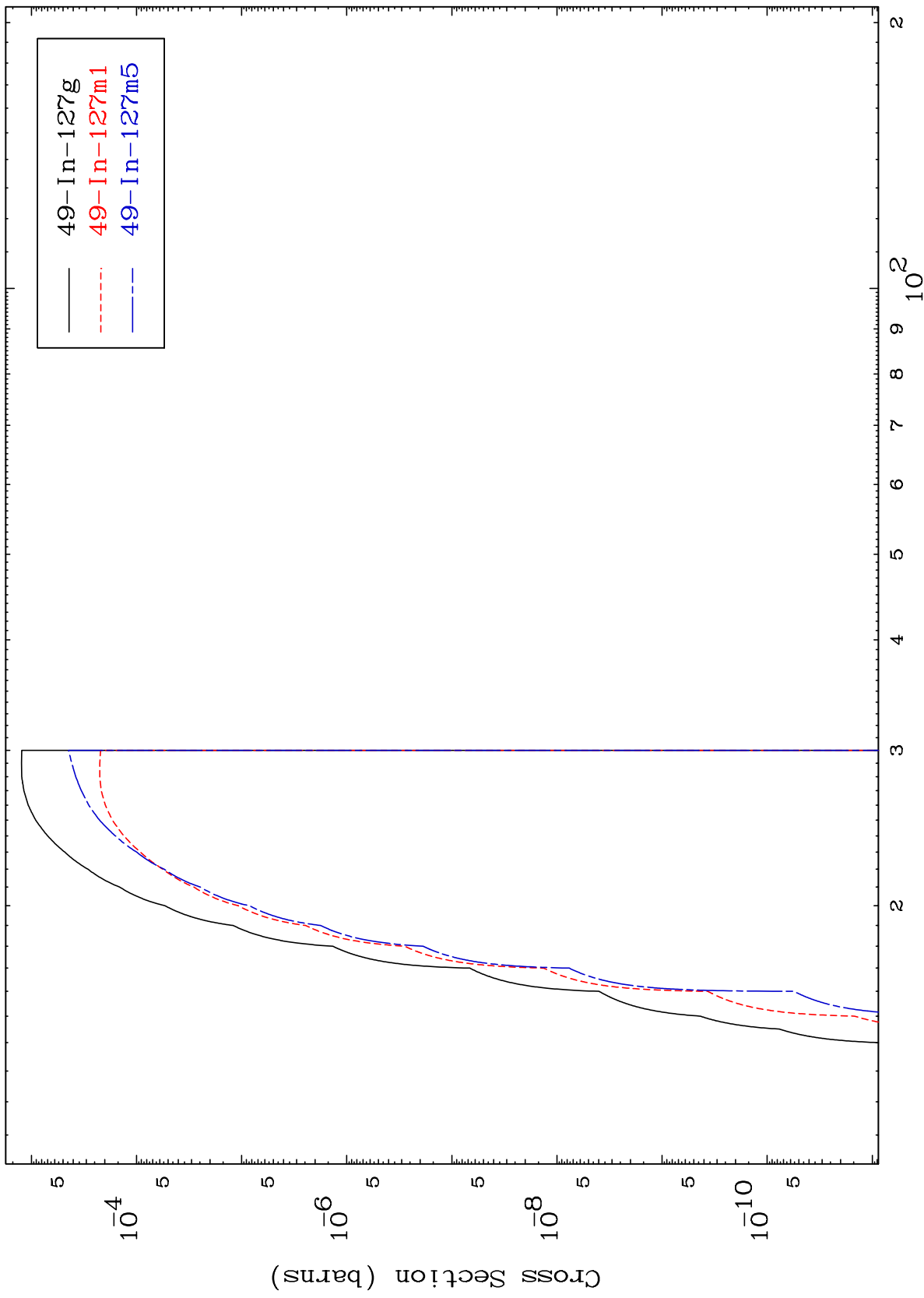
Radionuclide Production Cross Section



MAT 5077

50-Sn-129

(n,t)
Radionuclide Production Cross Section



30

Incident Energy (MeV)

50-Sn-129