

Program EVALPLOT
(Version 2018-1)

by

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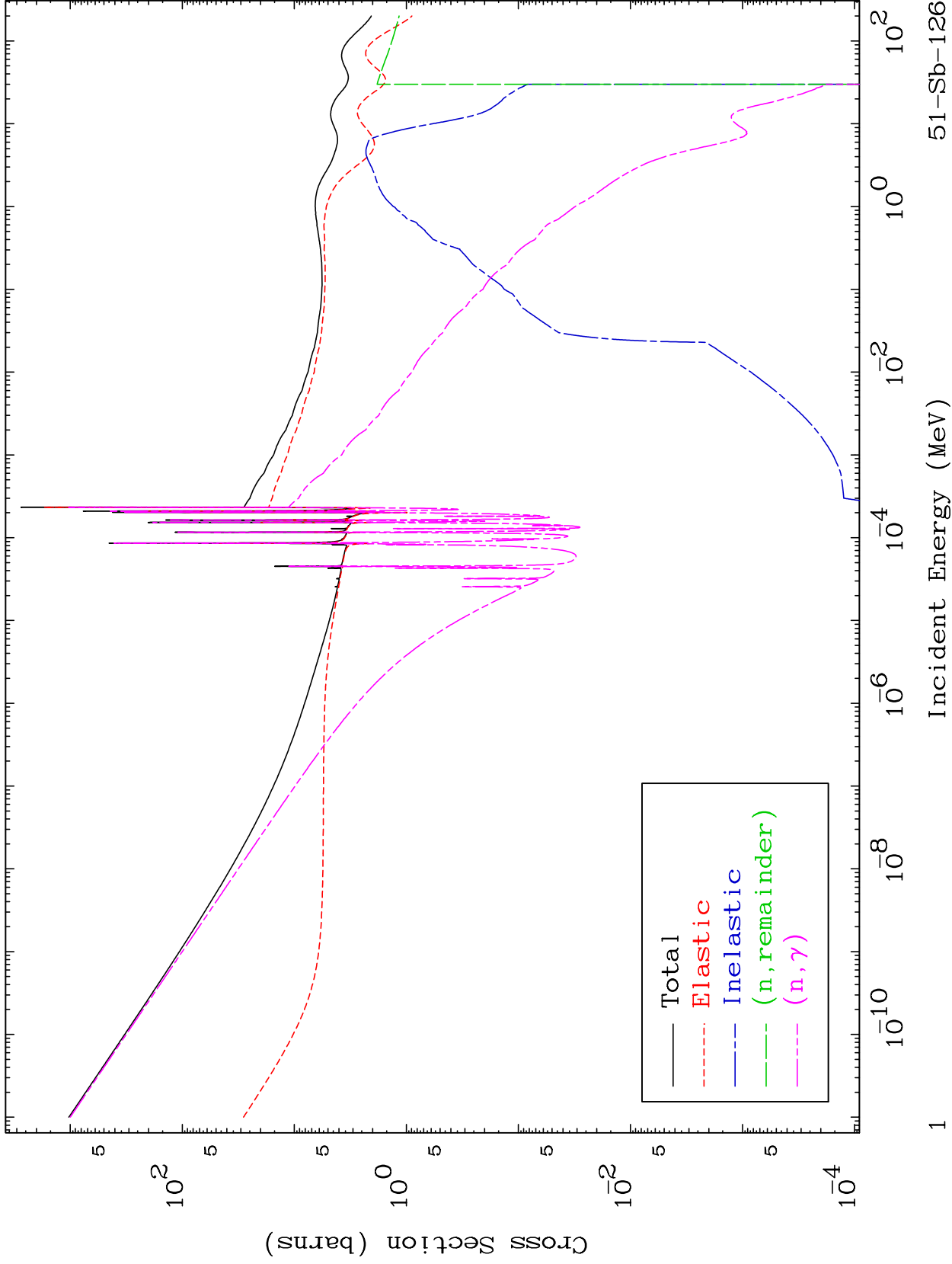
Web: redcullen1.net/HOMEPAGE.NEW

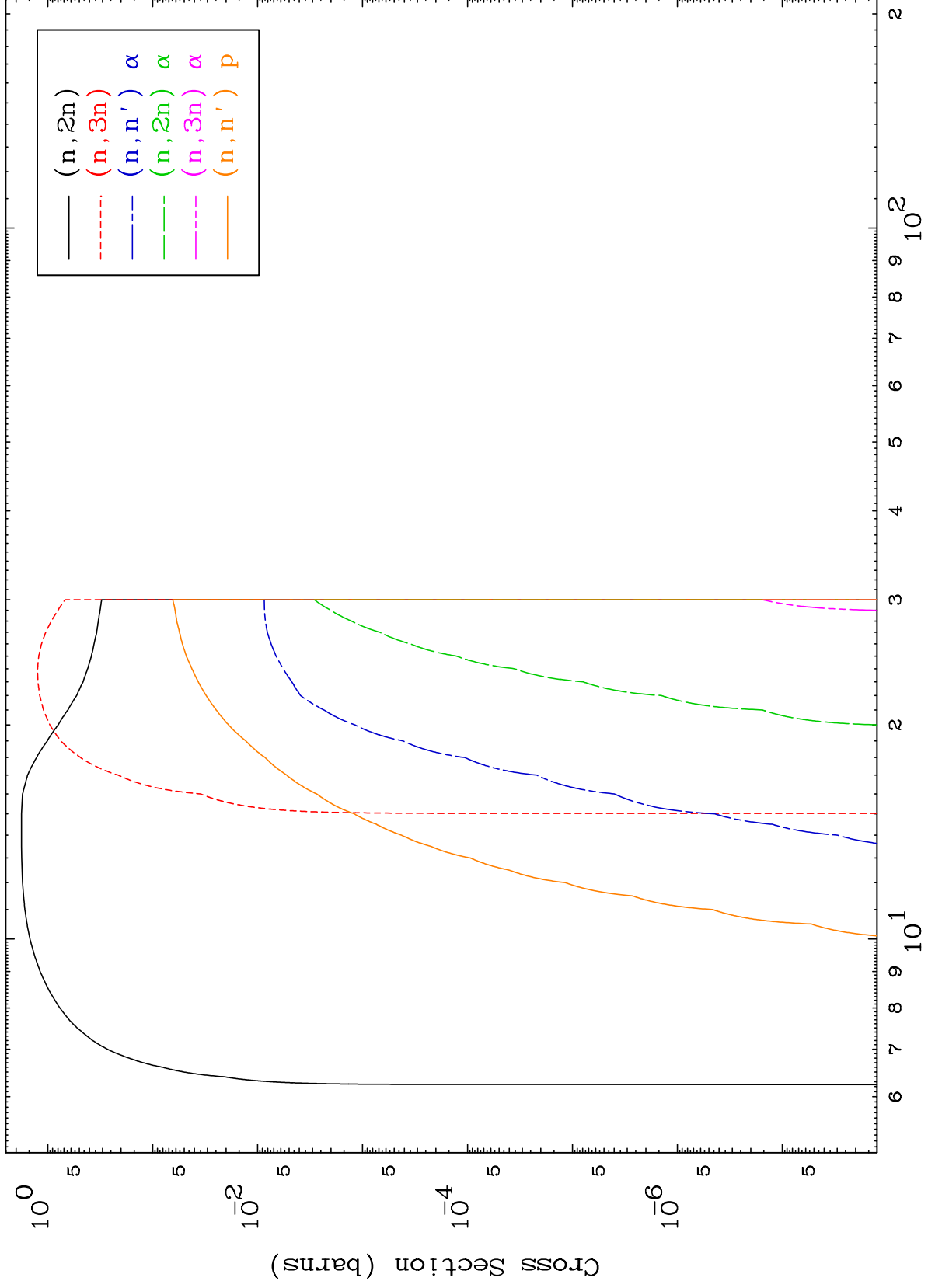
Press Mouse Button to Start

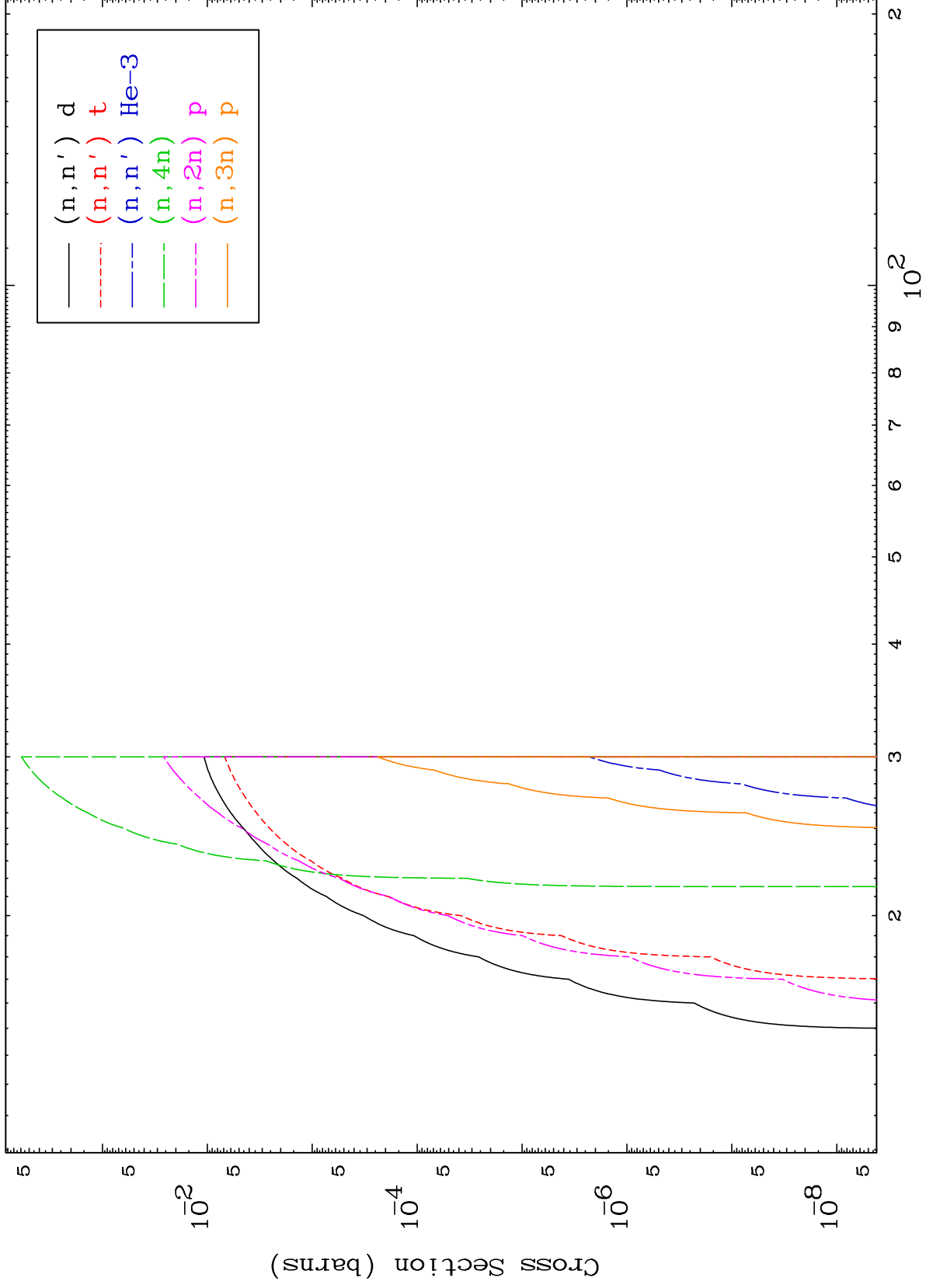
MAT 5141

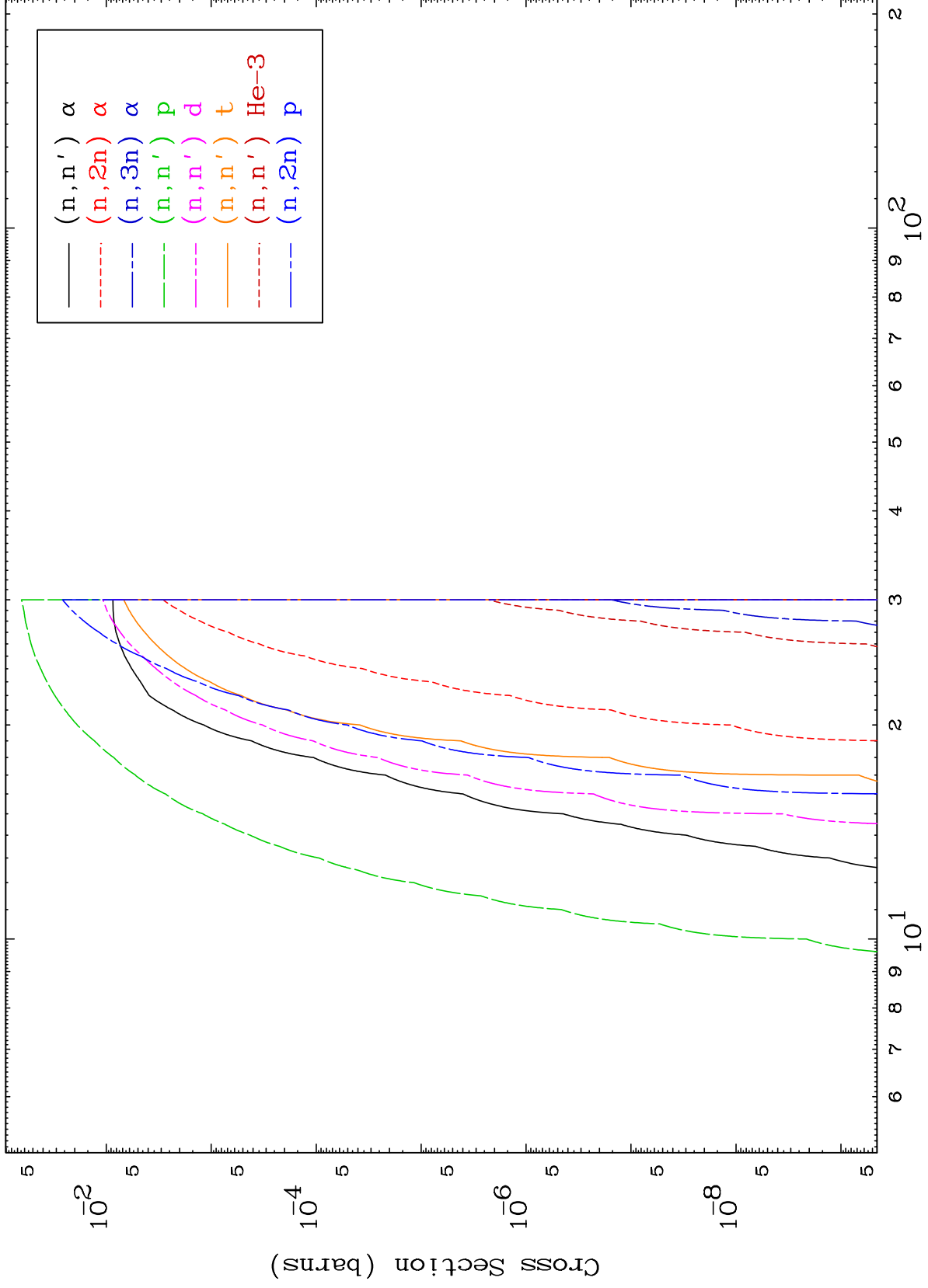
Major
293 Kelvin Cross Sections

51-Sb-126





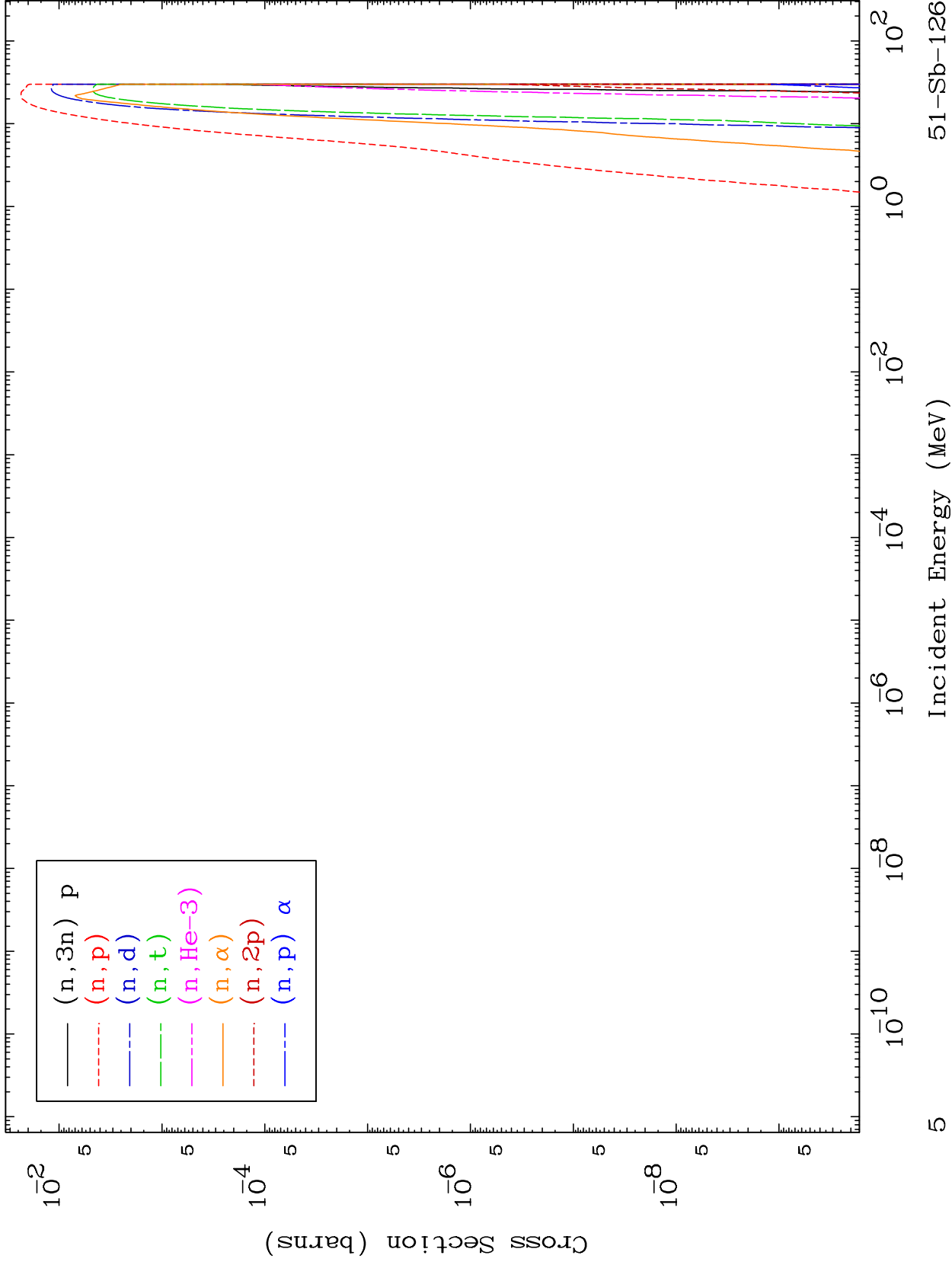




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Charged Particle
293 Kelvin Cross Sections

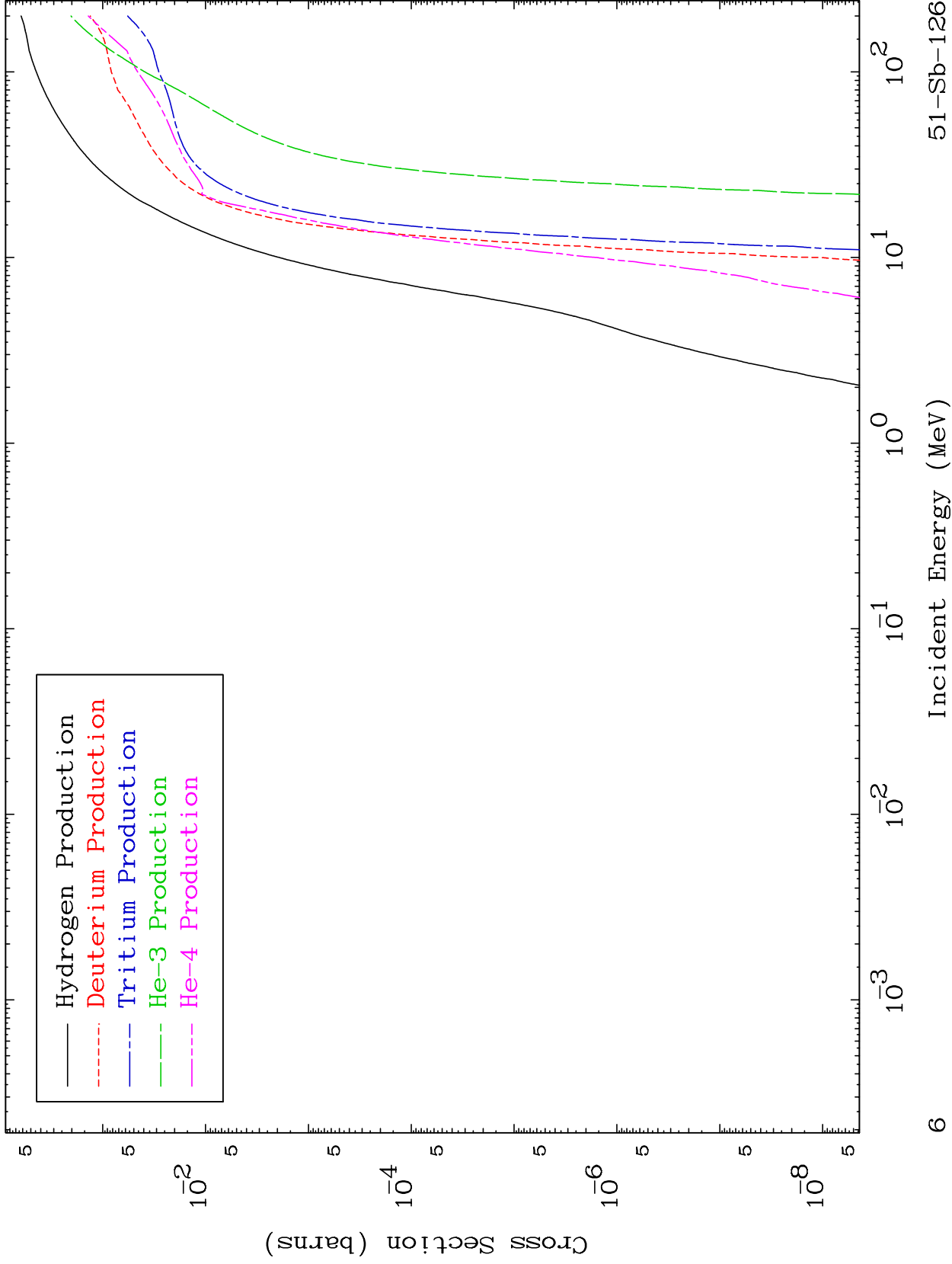
51-Sb-126



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Particle Production
293 Kelvin Cross Sections

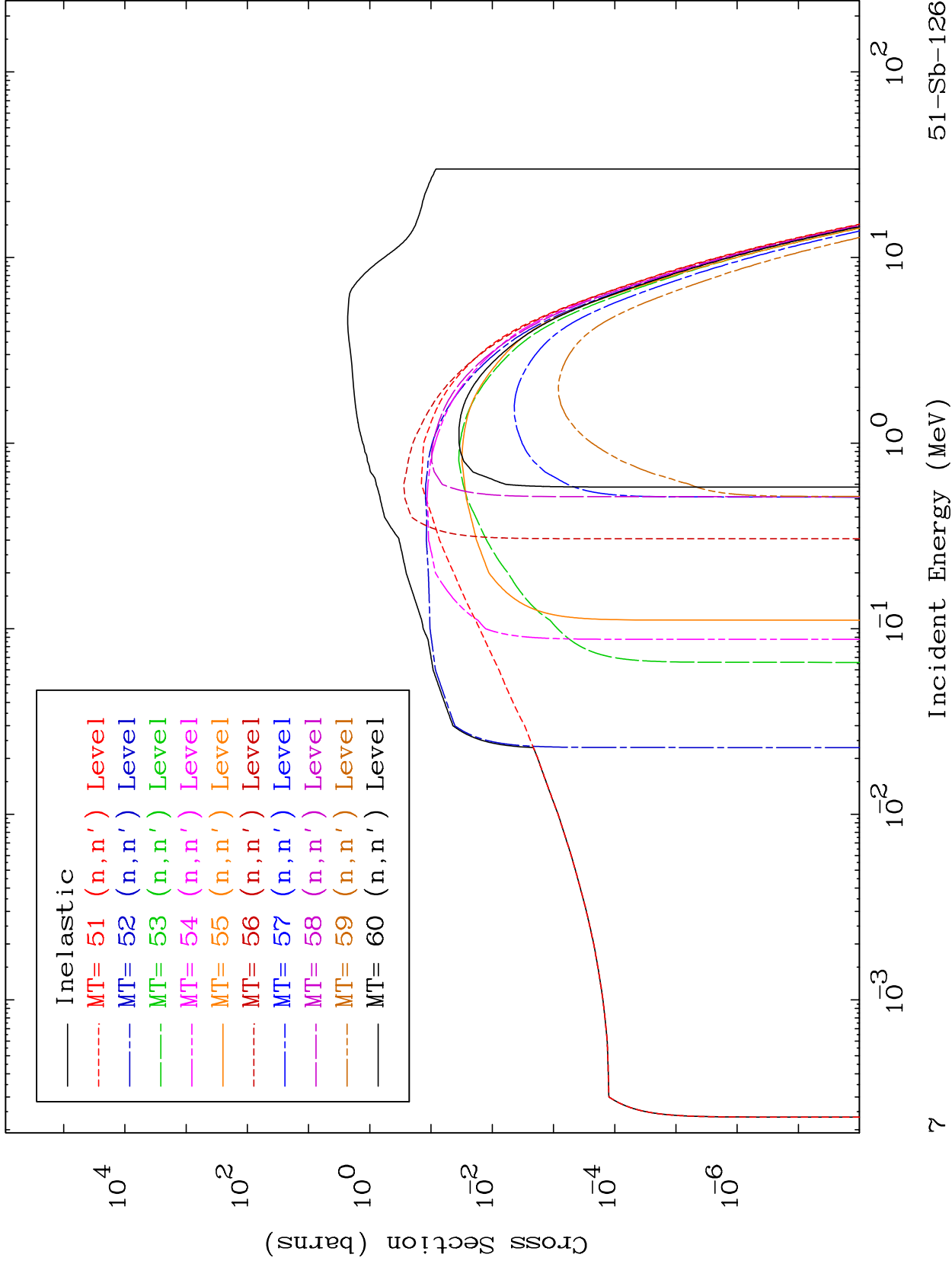
51-Sb-126



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(n,n') Level
293 Kelvin Cross Sections

51-Sb-126

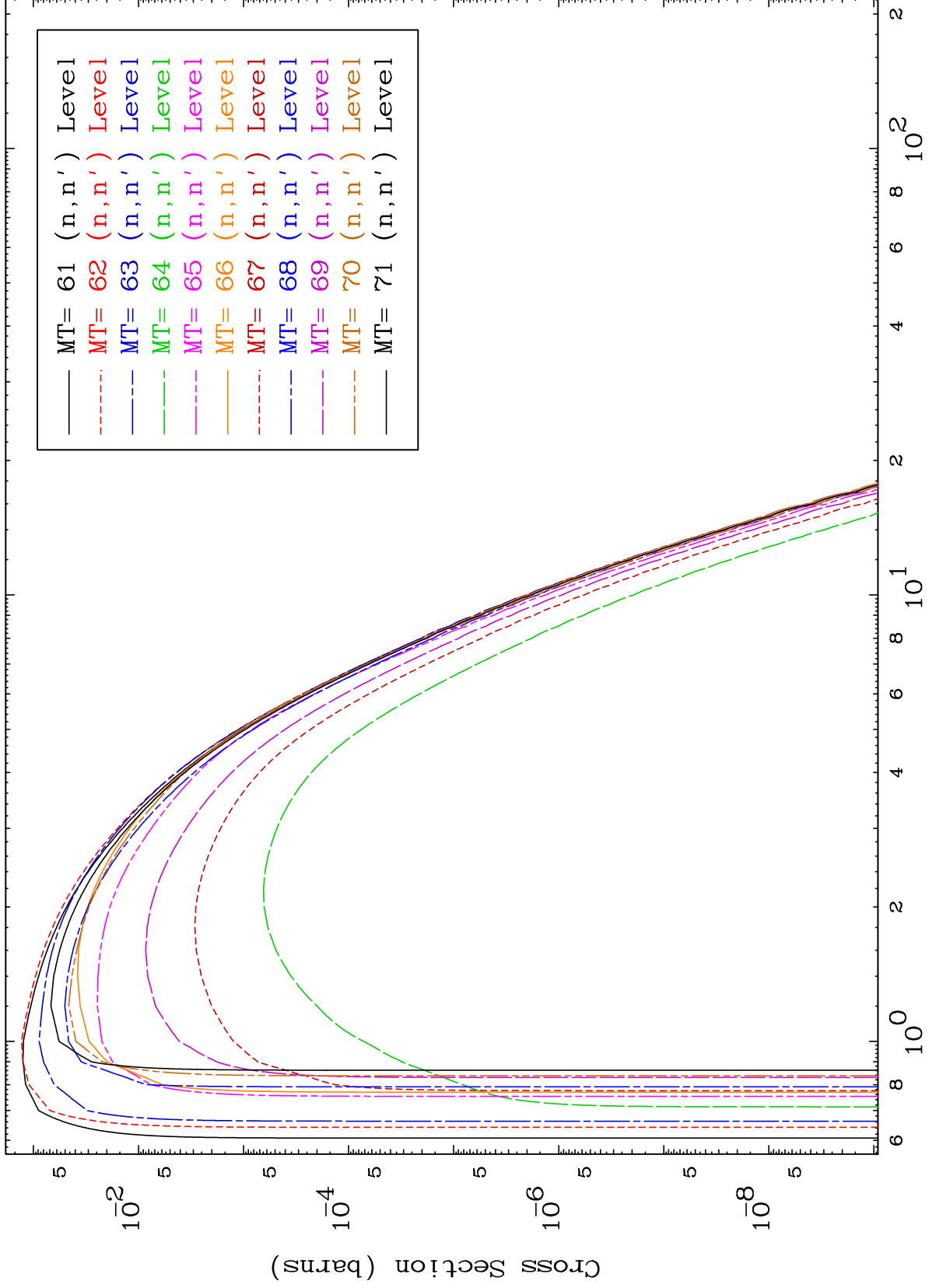


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(n,n') Level

51-Sb-126

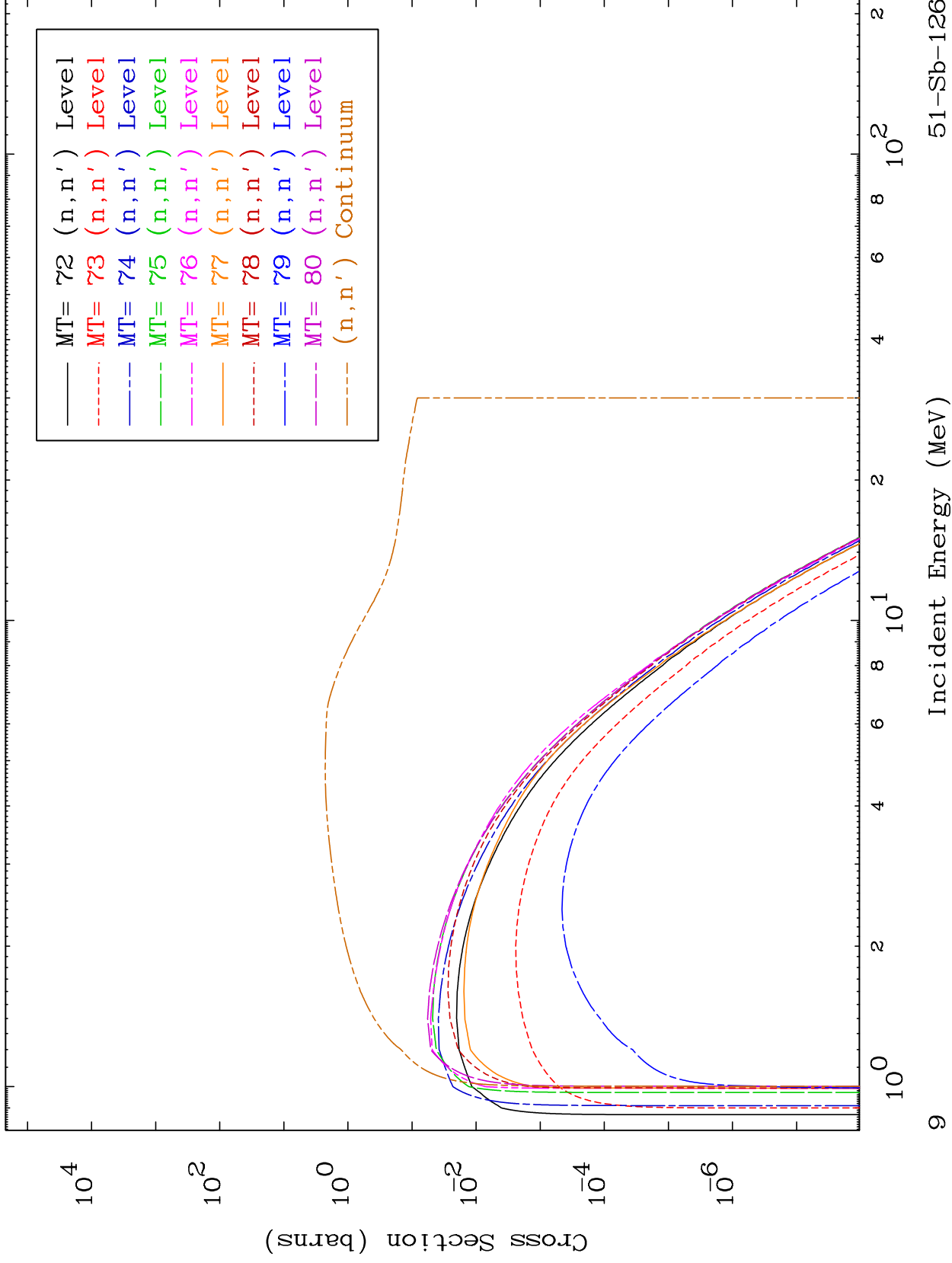
293 Kelvin Cross Sections



8

Incident Energy (MeV)

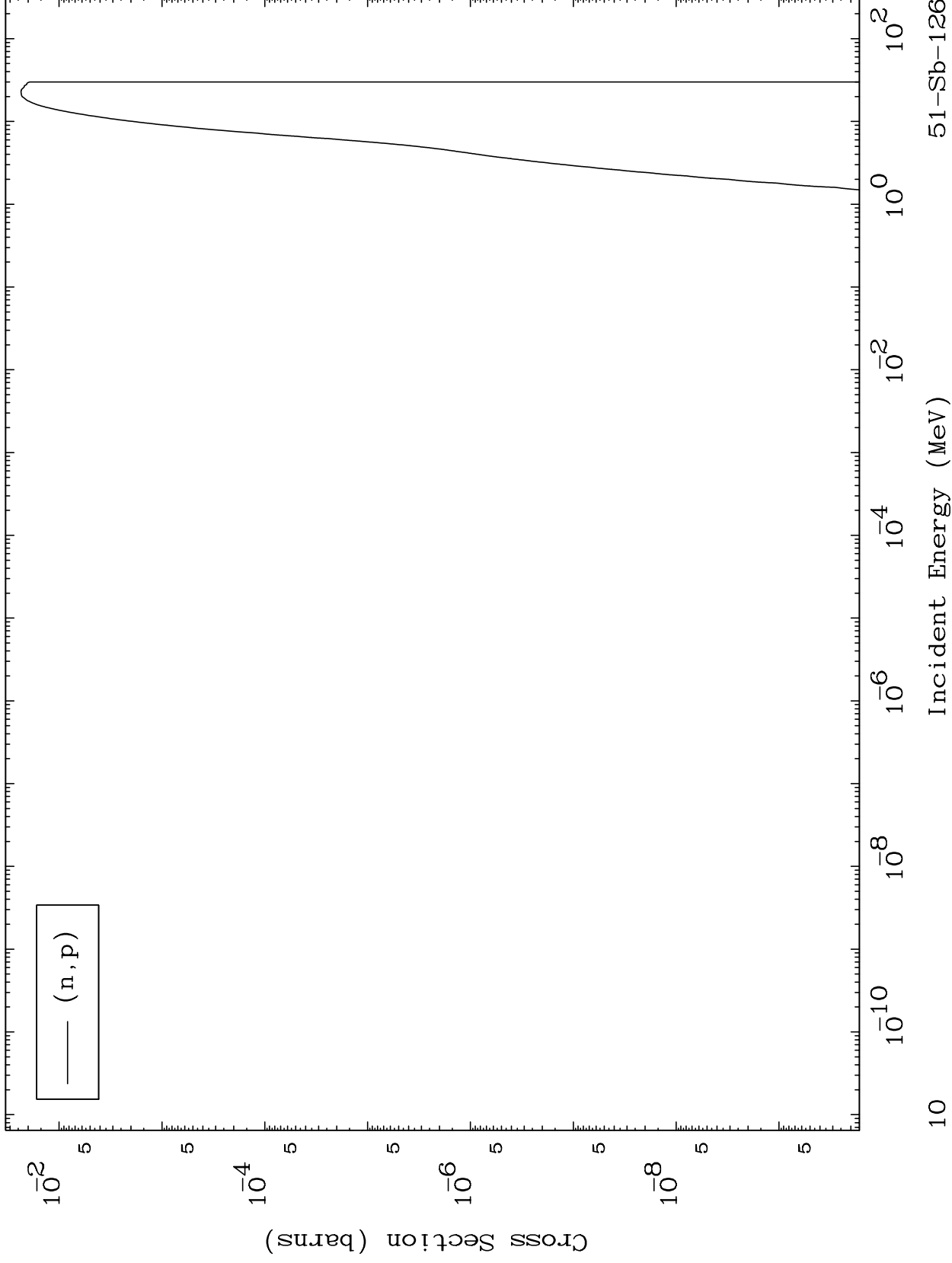
51-Sb-126



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(n,p) Levels
293 Kelvin Cross Sections

51-Sb-126



10

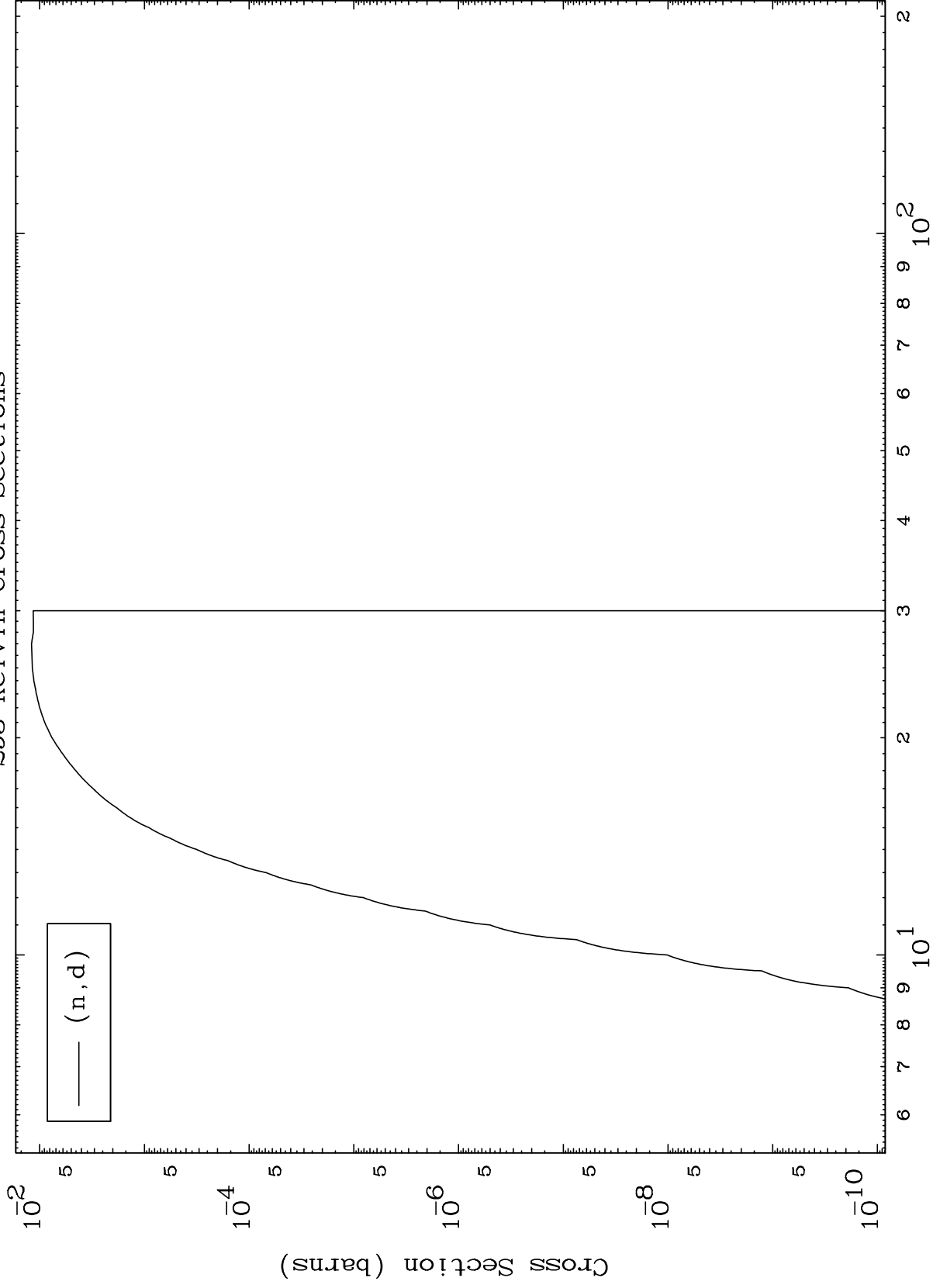
Incident Energy (MeV)

51-Sb-126

MAT 5141

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-126



11

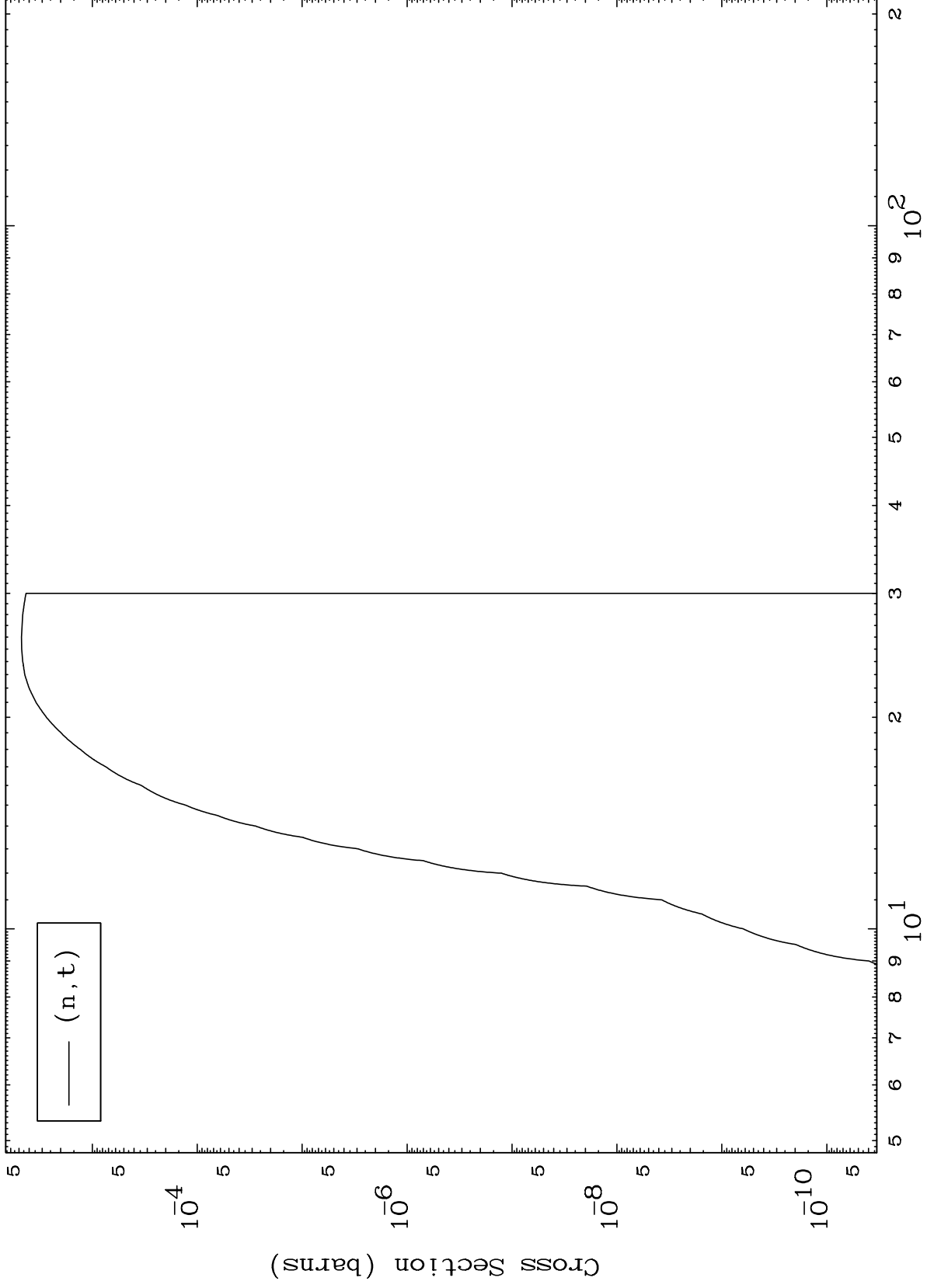
Incident Energy (MeV)

51-Sb-126

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(n,t) Levels
293 Kelvin Cross Sections

51-Sb-126



12

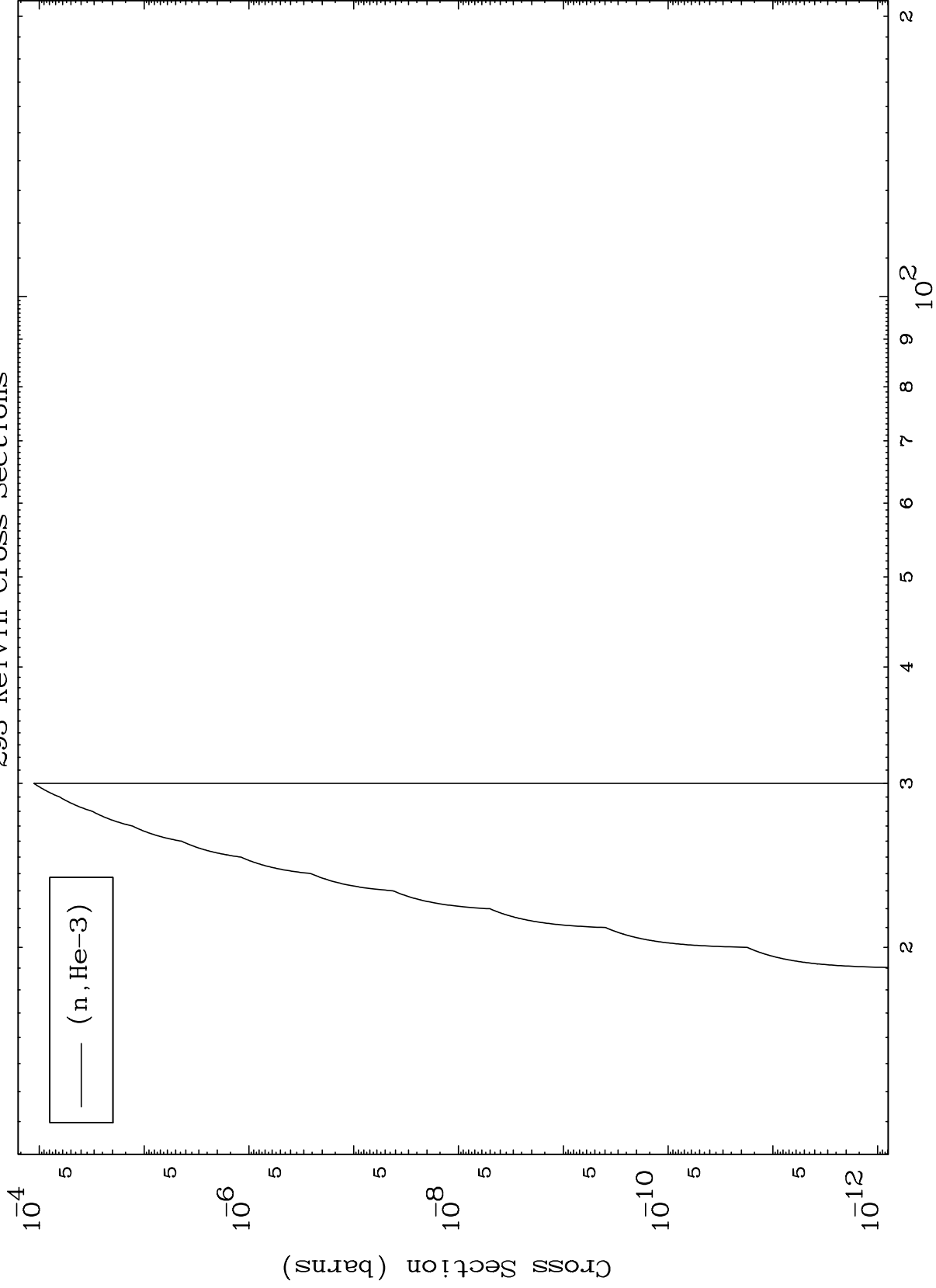
Incident Energy (MeV)

51-Sb-126

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(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-126



13

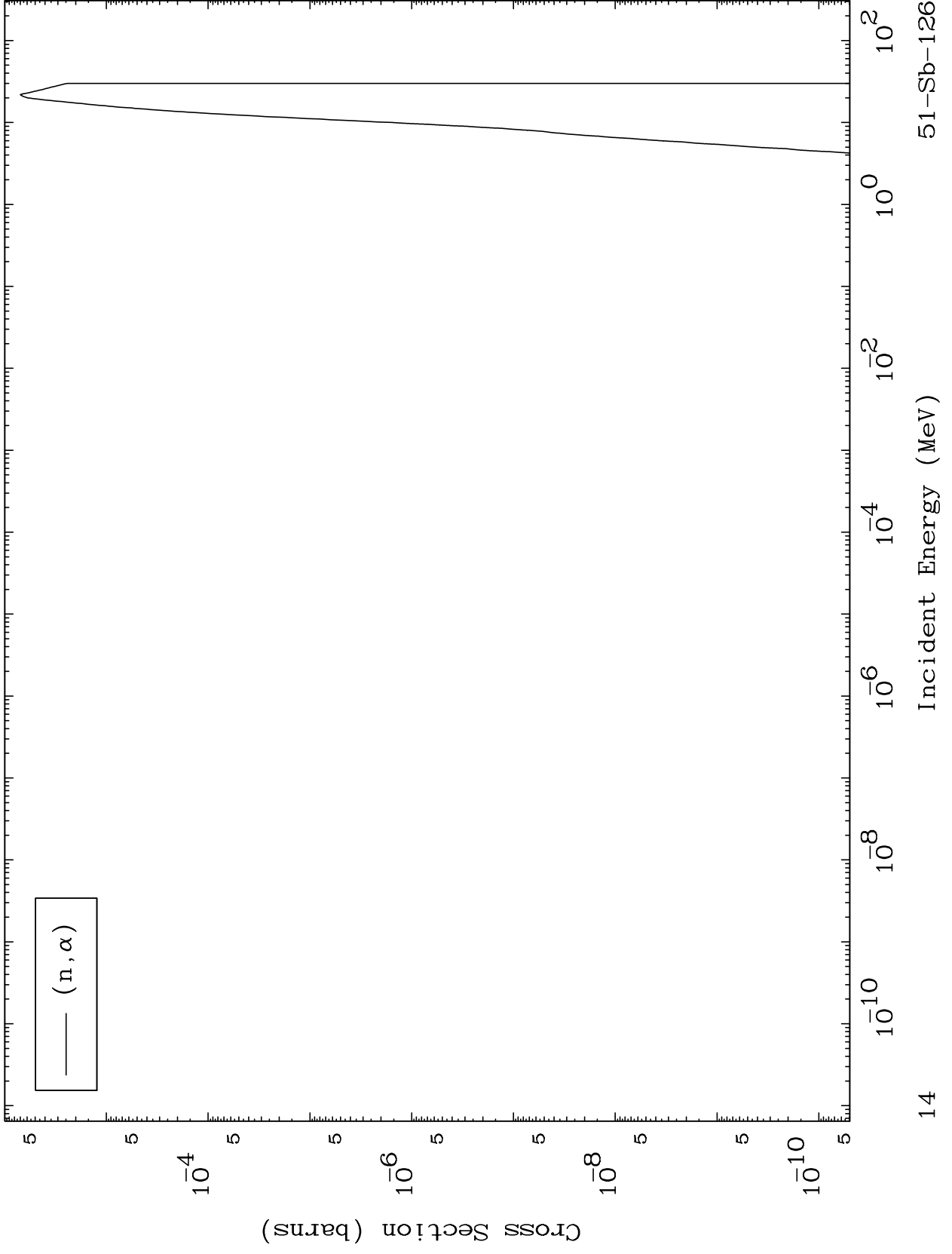
Incident Energy (MeV)

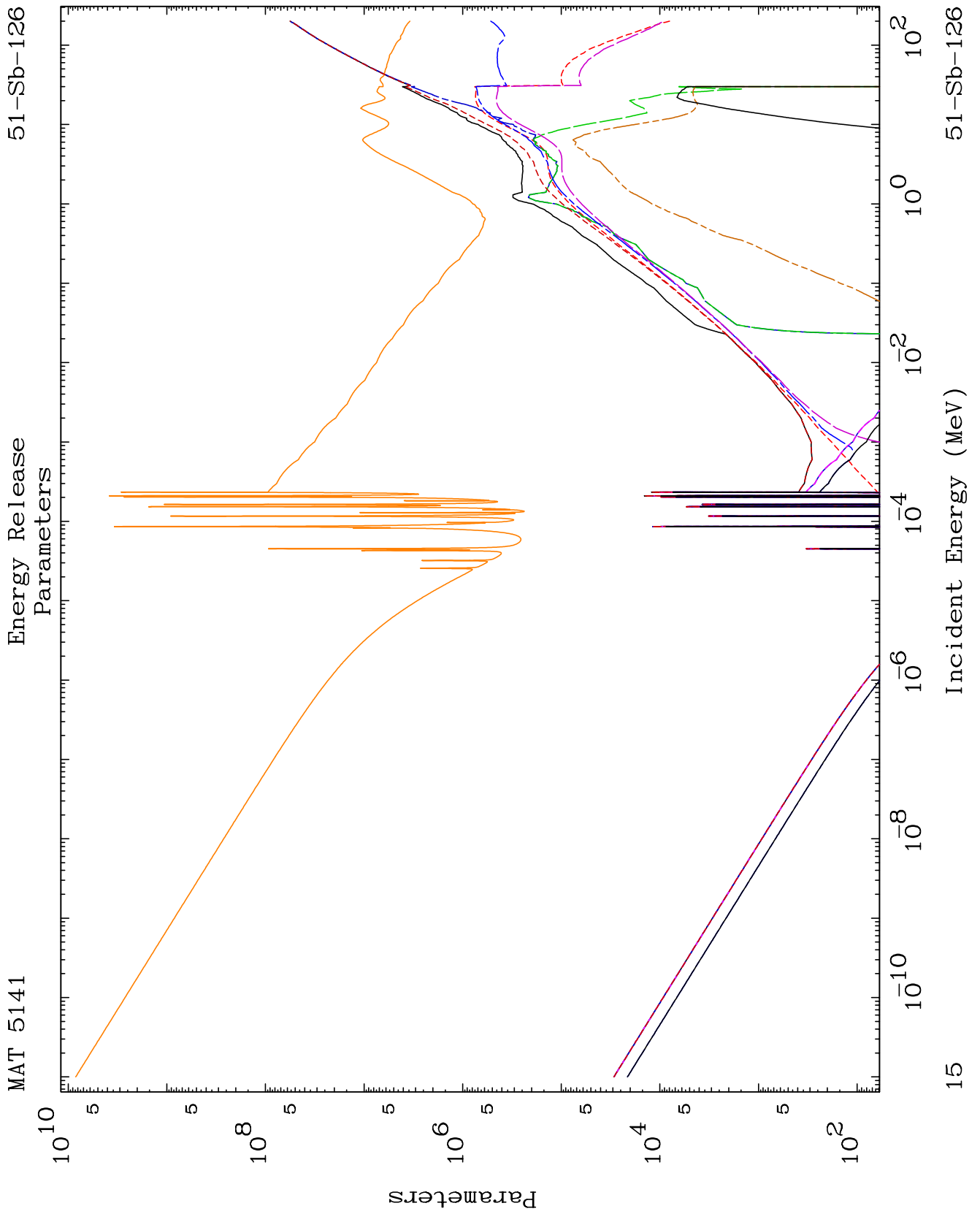
51-Sb-126

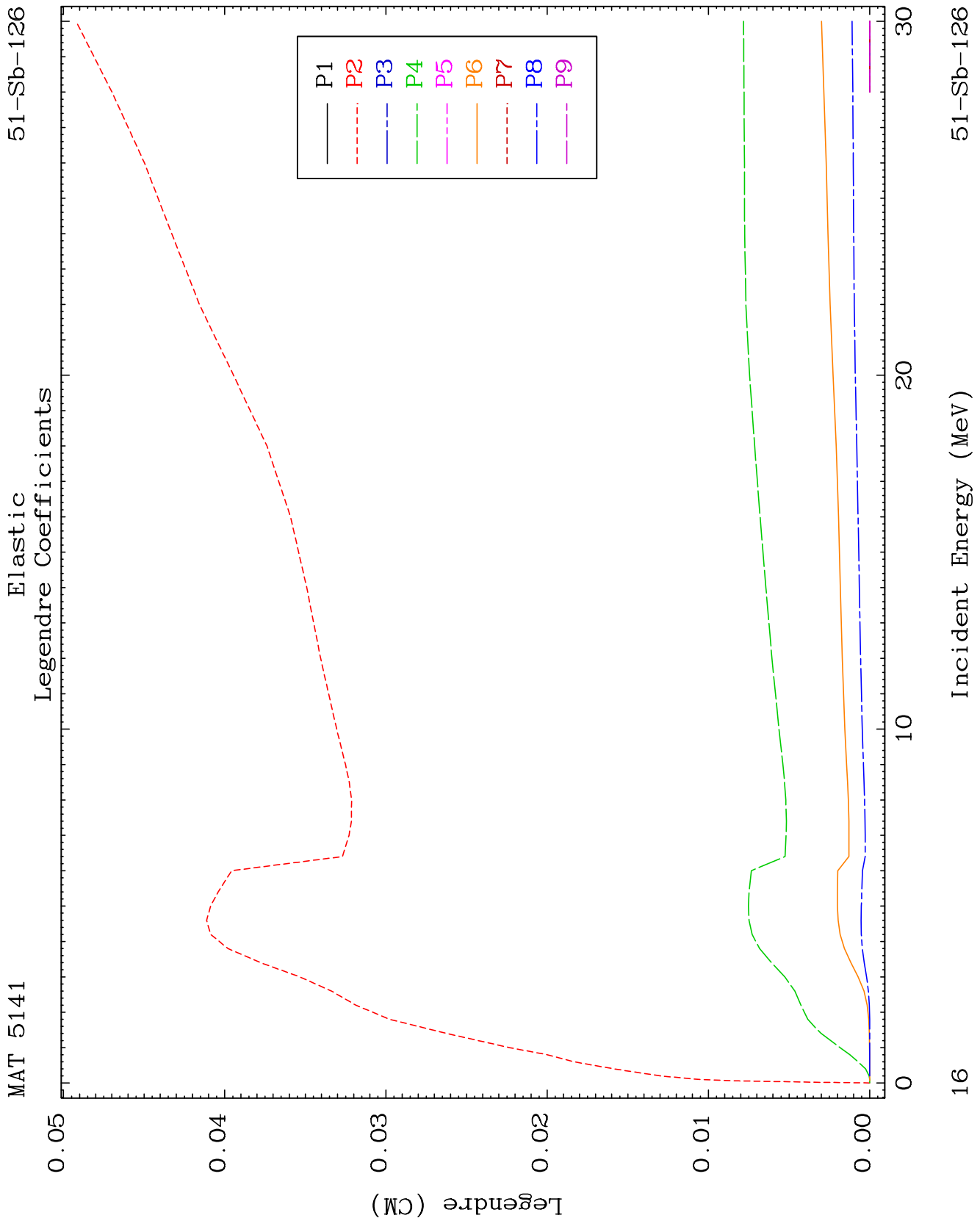
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(n, α) Levels
293 Kelvin Cross Sections

51-Sb-126



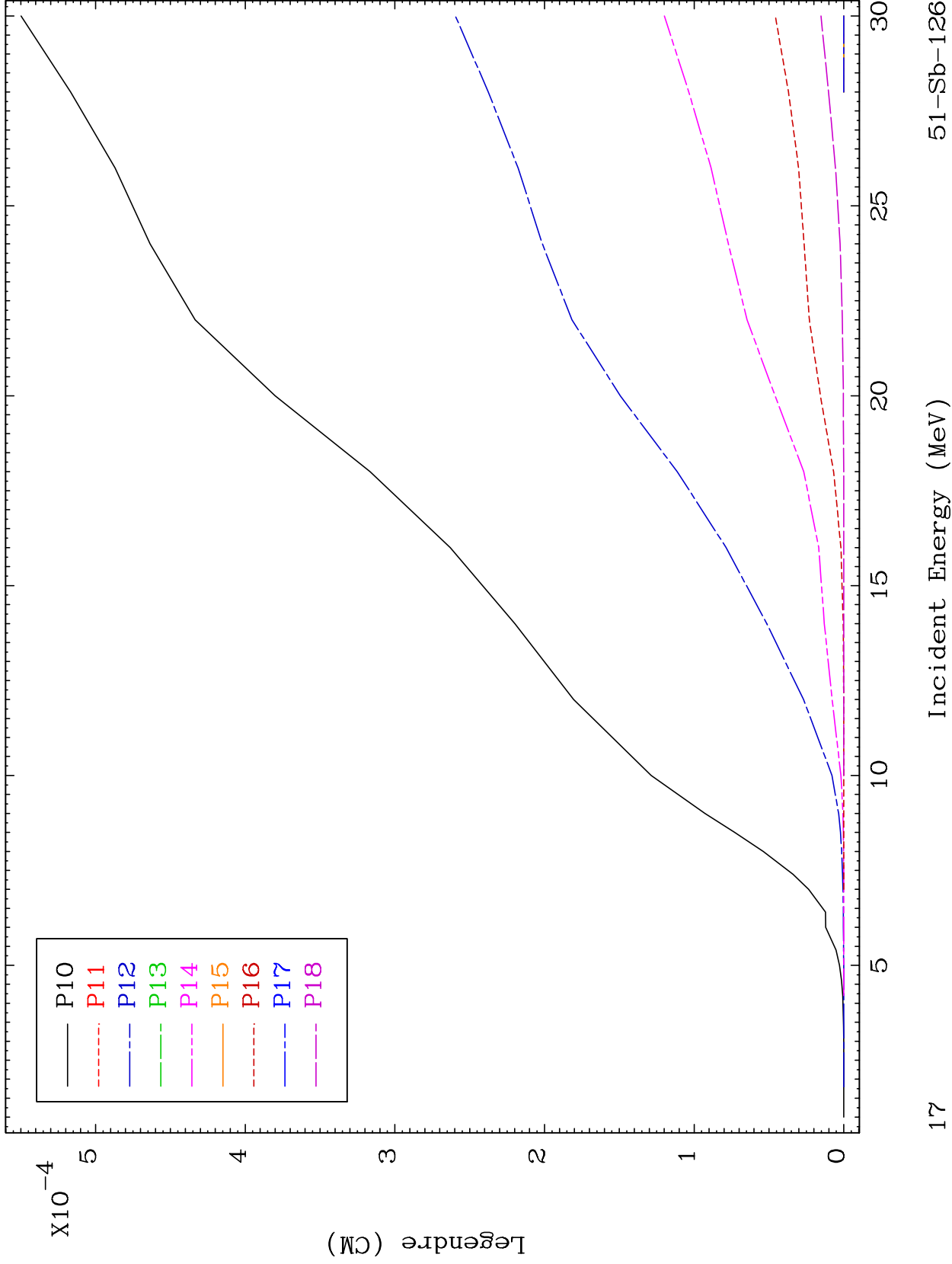




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Elastic Legendre Coefficients

51-Sb-126



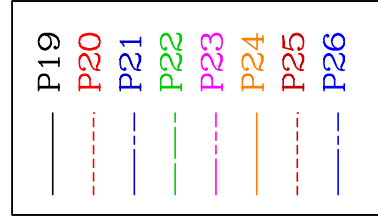
17

51-Sb-126

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Elastic
Legendre Coefficients

51-Sb-126



$\times 10^{-7}$

Legendre (CM)

8

6

4

2

0

15

20

25

30

18

Incident Energy (MeV)

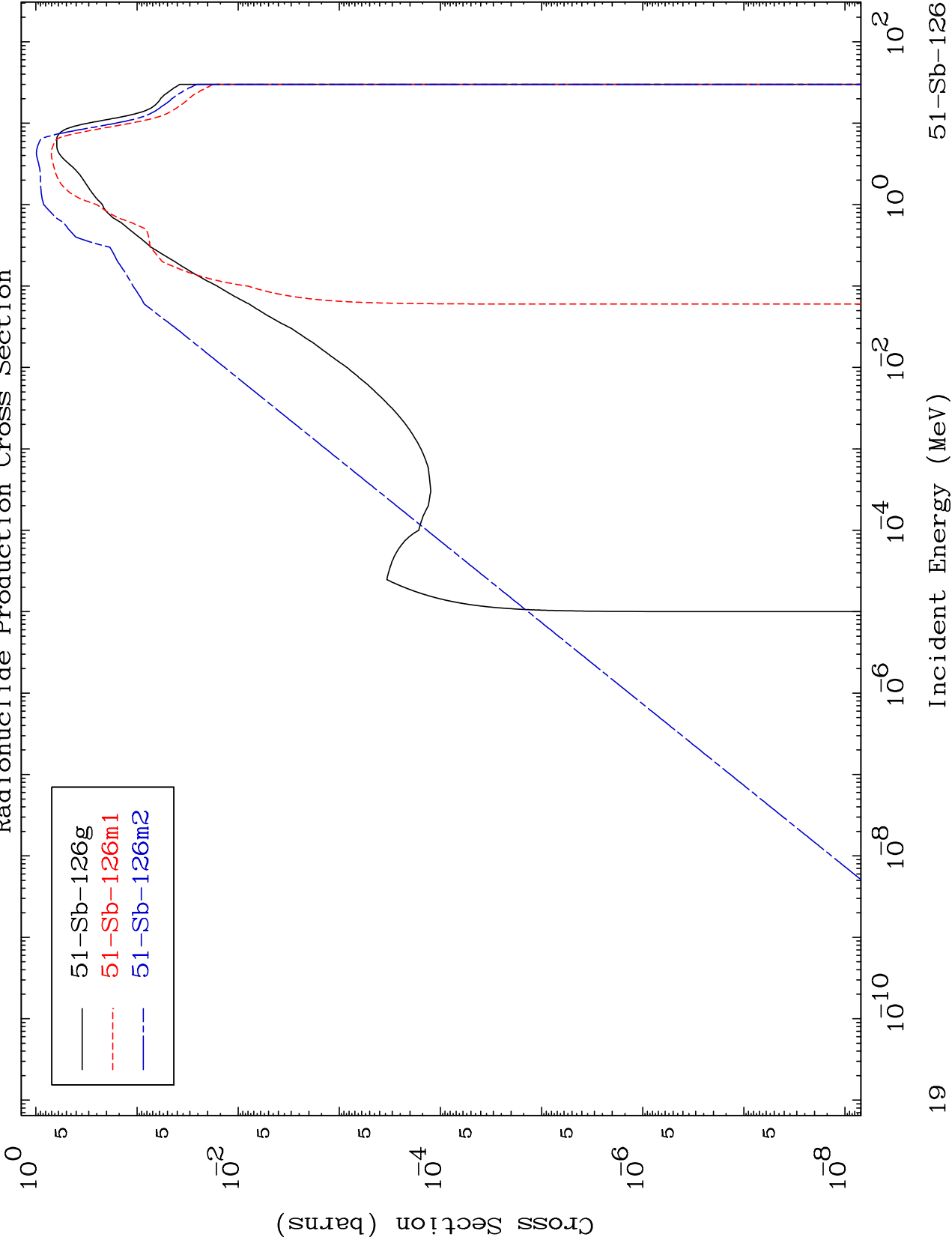
51-Sb-126



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51-Sb-126

Inelastic
Radionuclide Production Cross Section

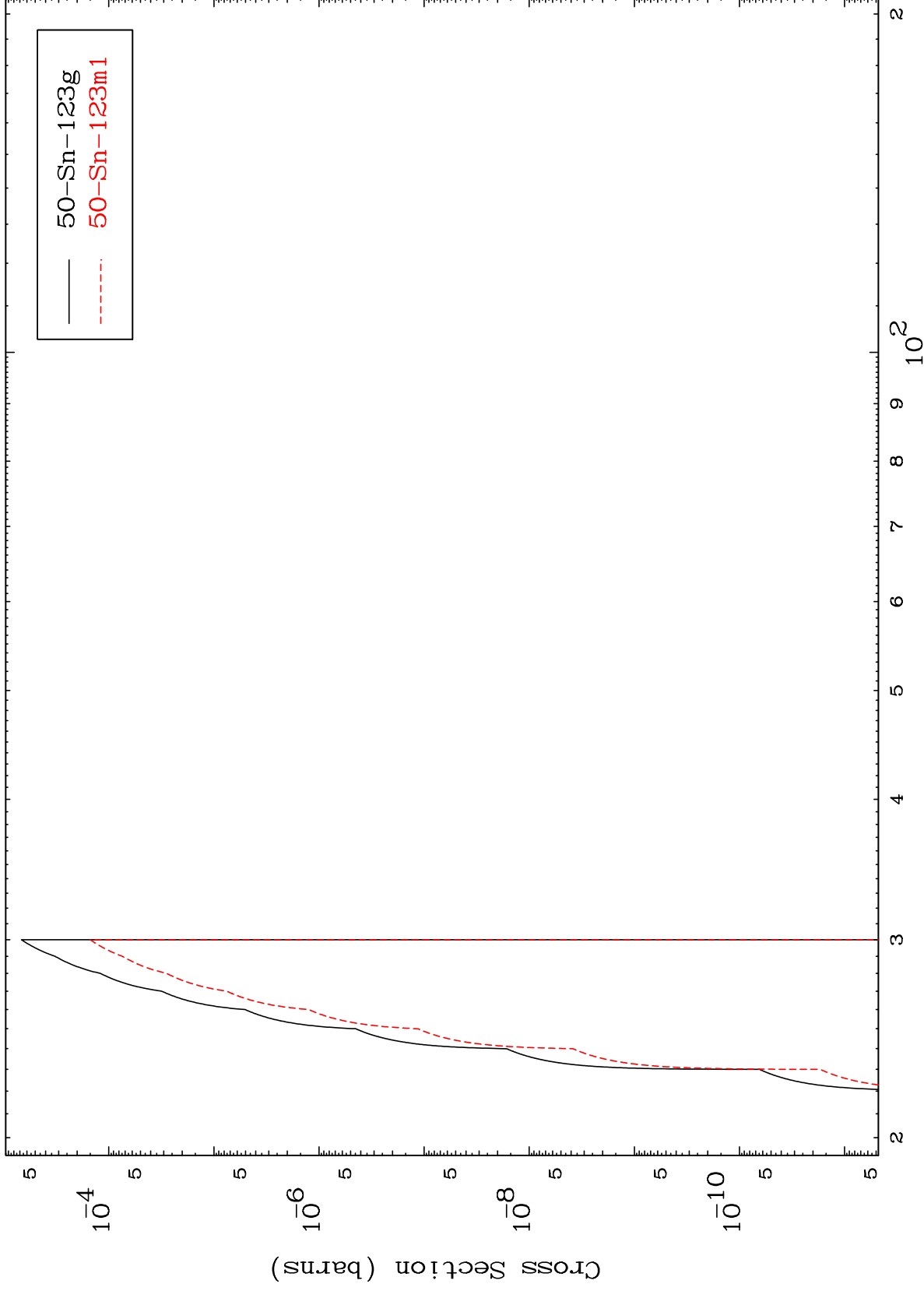


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(n,2n) d

51-Sb-126

Radionuclide Production Cross Section



20

Incident Energy (MeV)

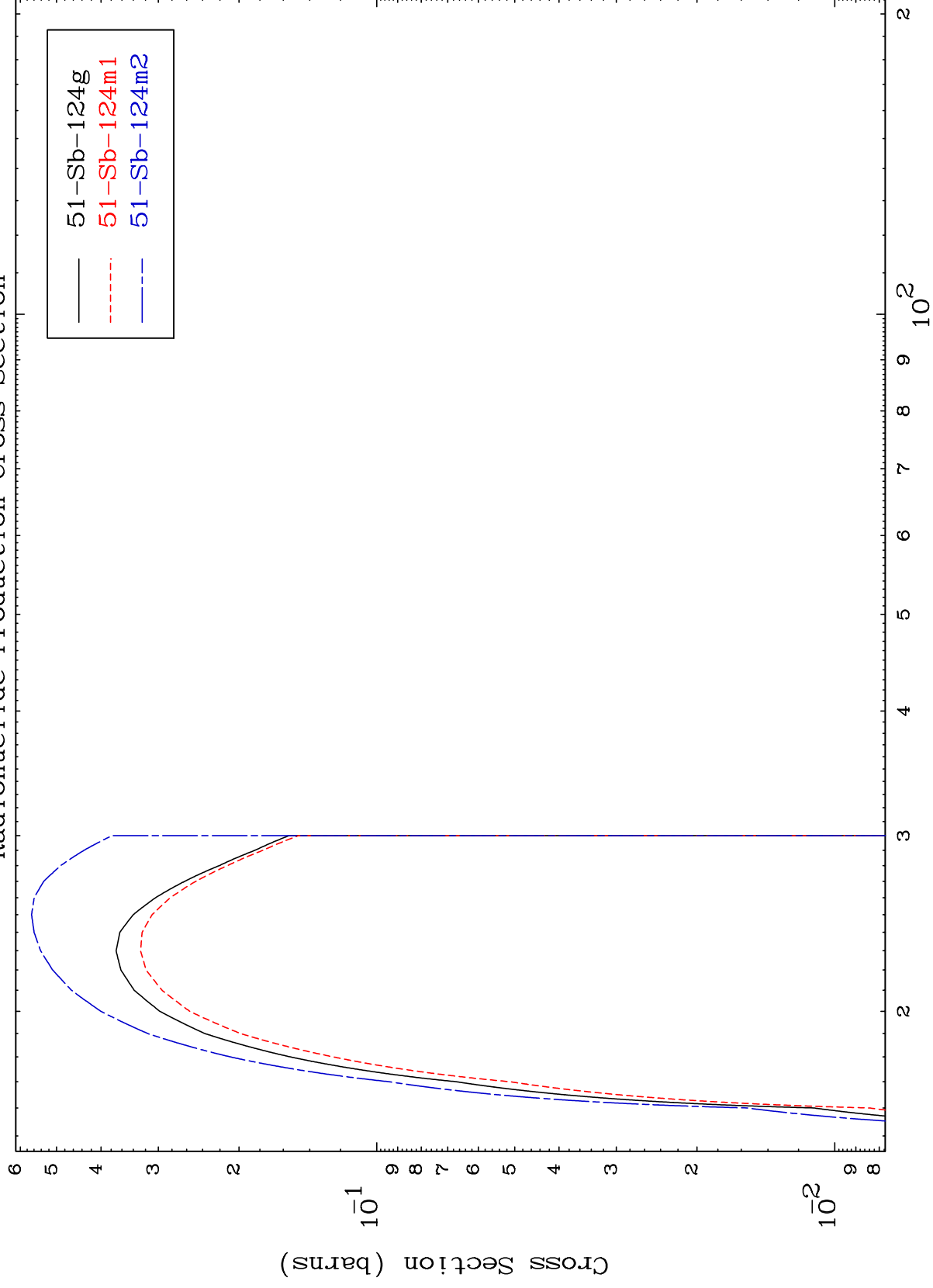
10²

51-Sb-126

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51-Sb-126

(n,3n)
Radionuclide Production Cross Section

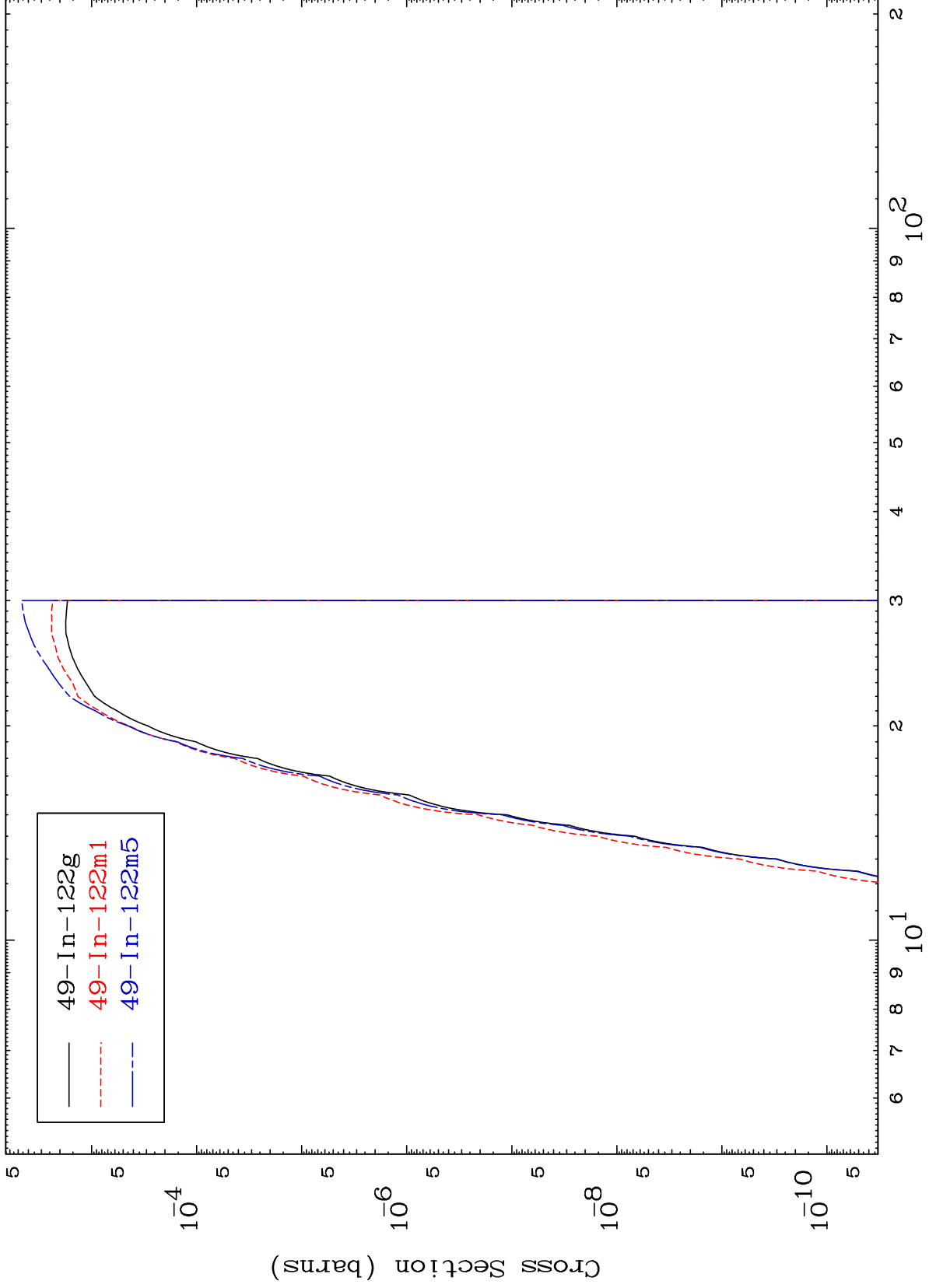


21

Incident Energy (MeV)

51-Sb-126

Radionuclide Production Cross Section

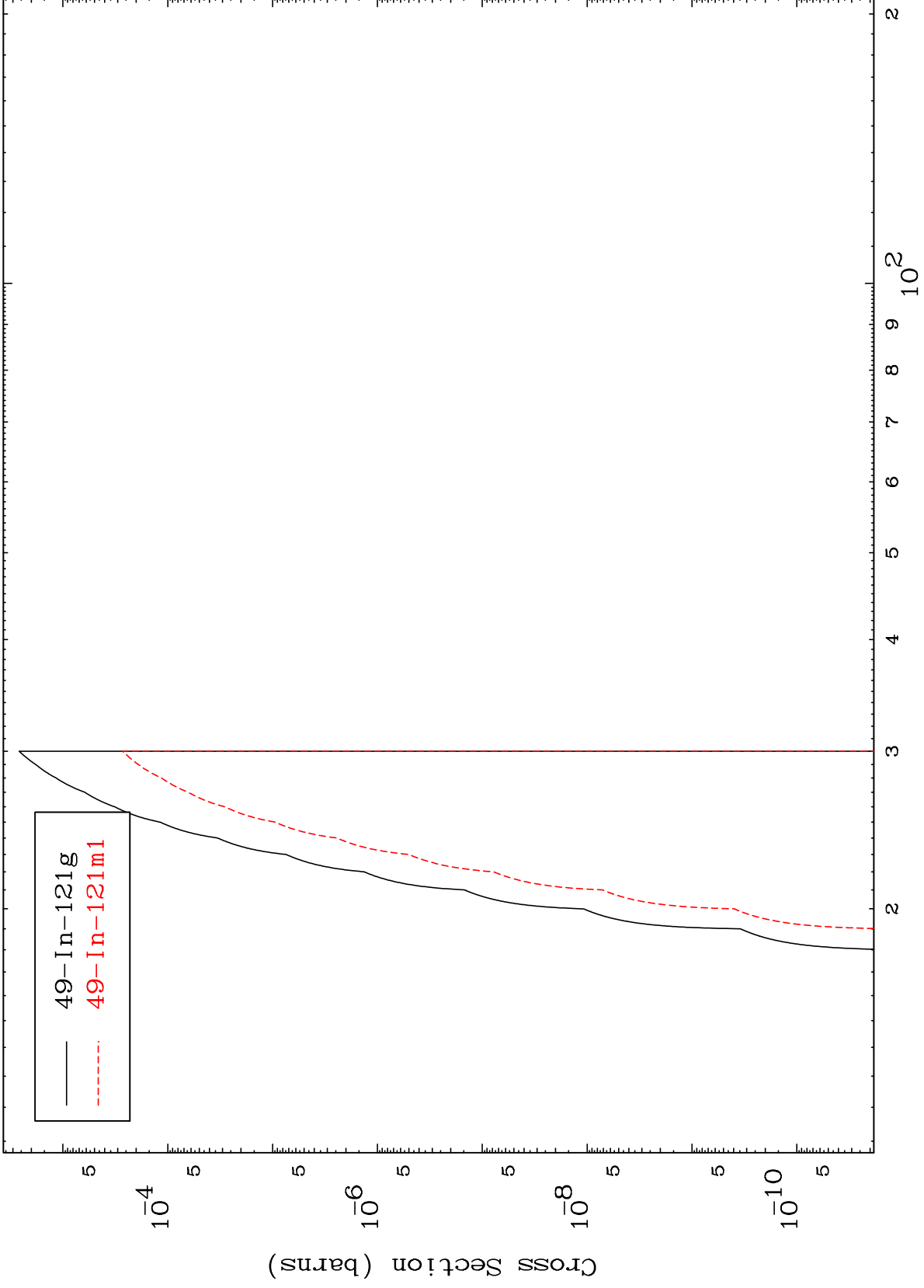


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(n,2n) α

51-Sb-126

Radionuclide Production Cross Section



23

Incident Energy (MeV)

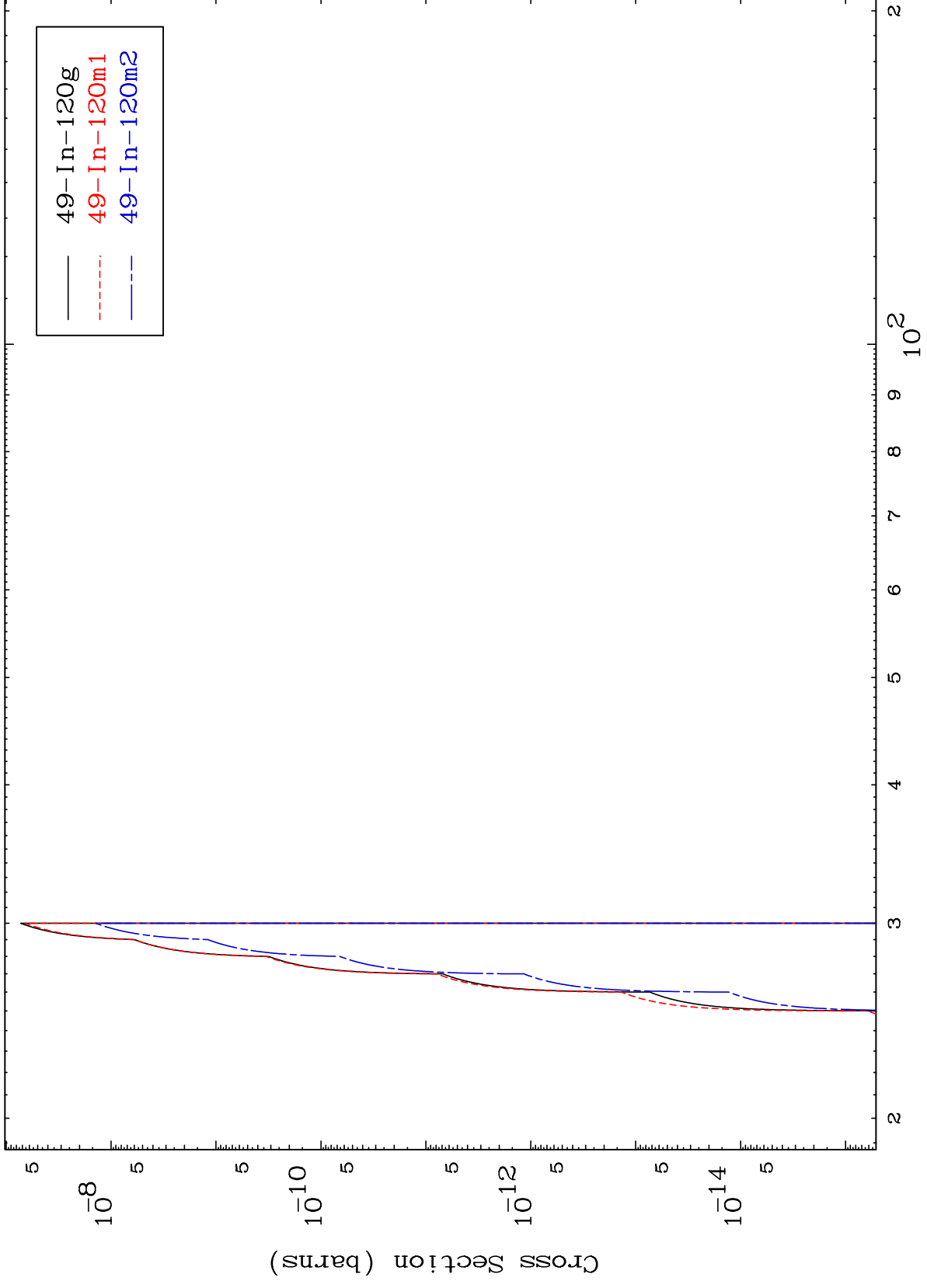
51-Sb-126

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(n,3n) α

51-Sb-126

Radionuclide Production Cross Section



24

Incident Energy (MeV)

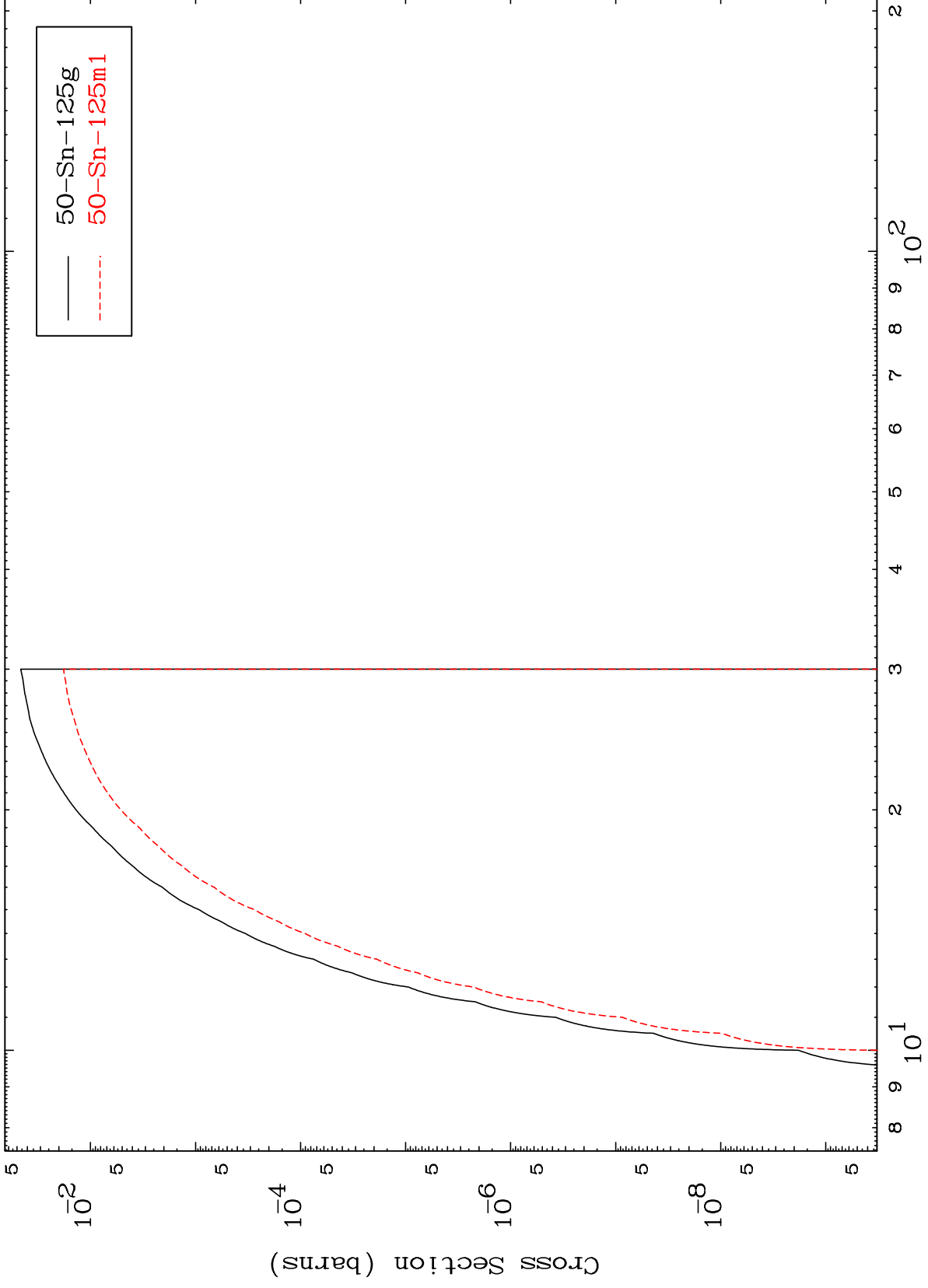
51-Sb-126

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(n,n') p

51-Sb-126

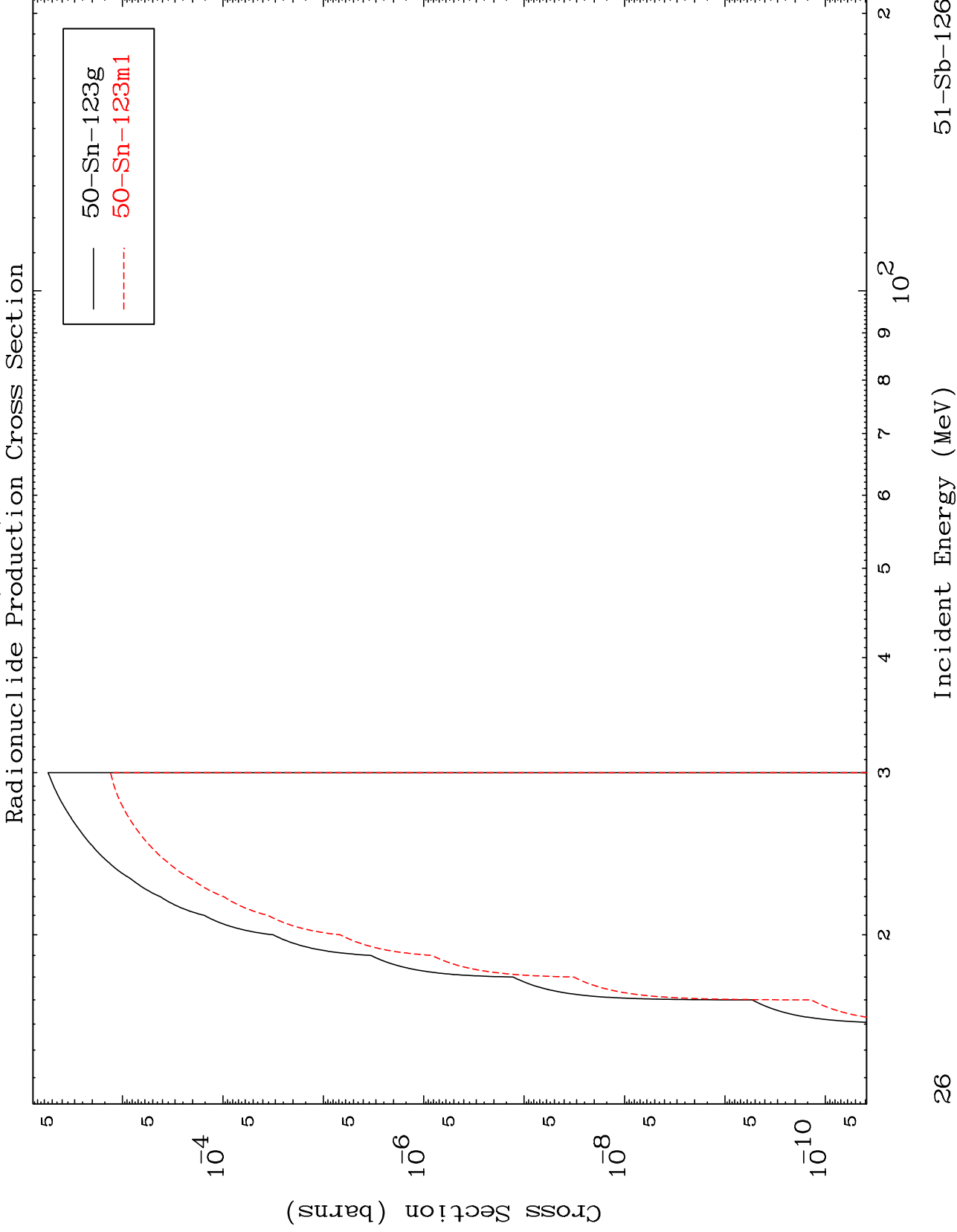
Radionuclide Production Cross Section



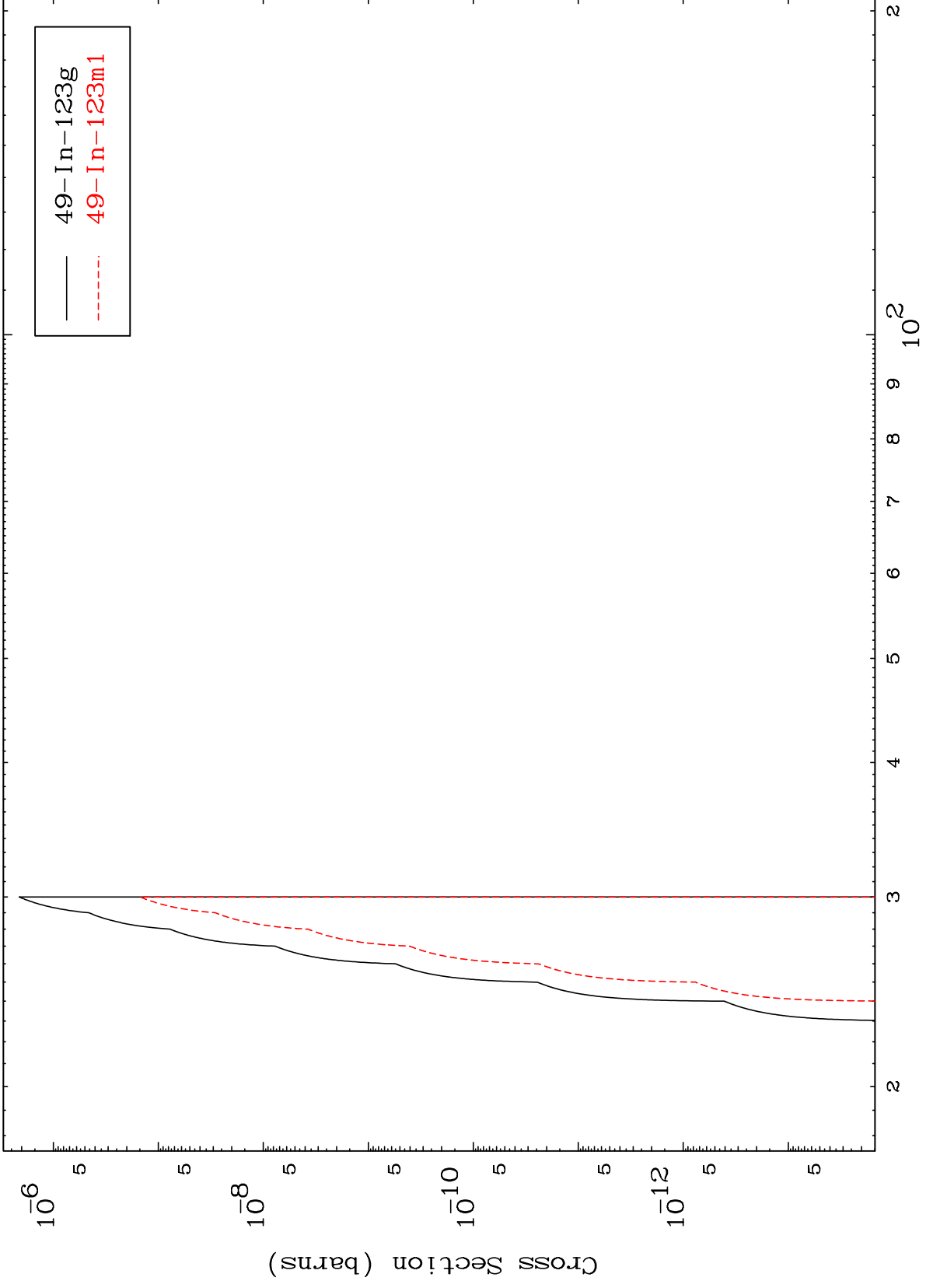
25

Incident Energy (MeV)

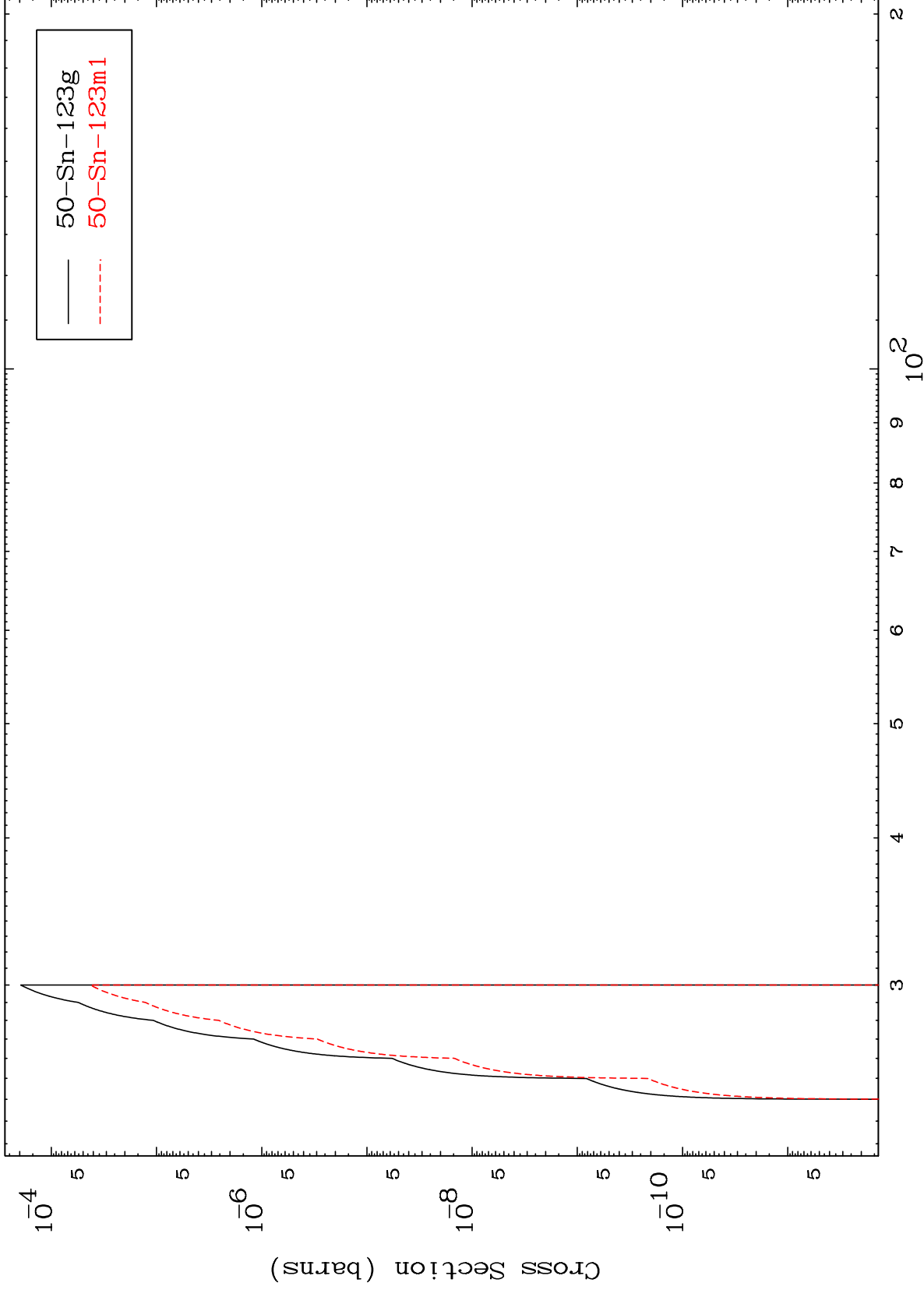
51-Sb-126



Radionuclide Production Cross Section



Radionuclide Production Cross Section



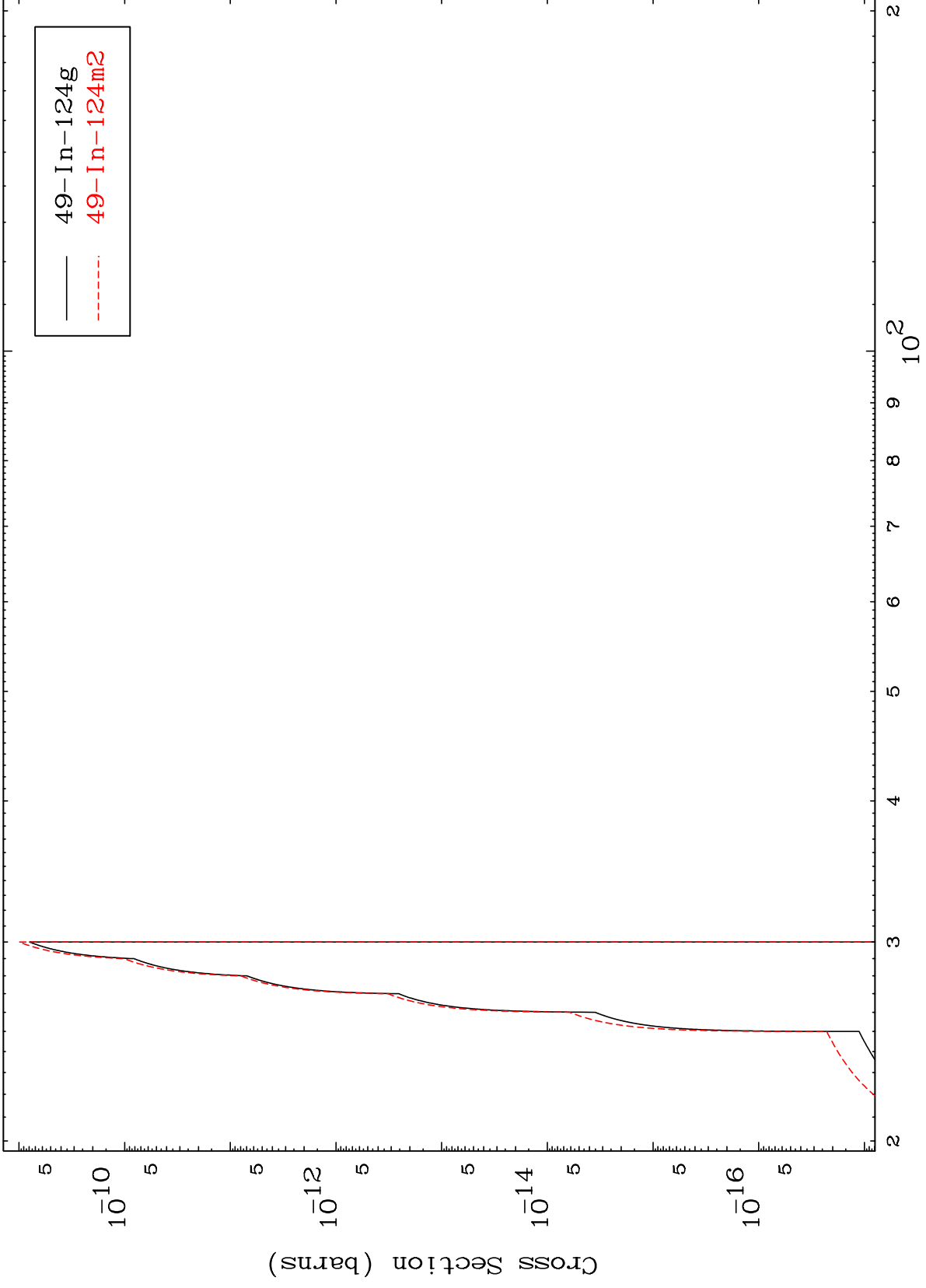
50-Sn-123g
50-Sn-123m1

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(n,2n) p

51-Sb-126

Radionuclide Production Cross Section



29

Incident Energy (MeV)

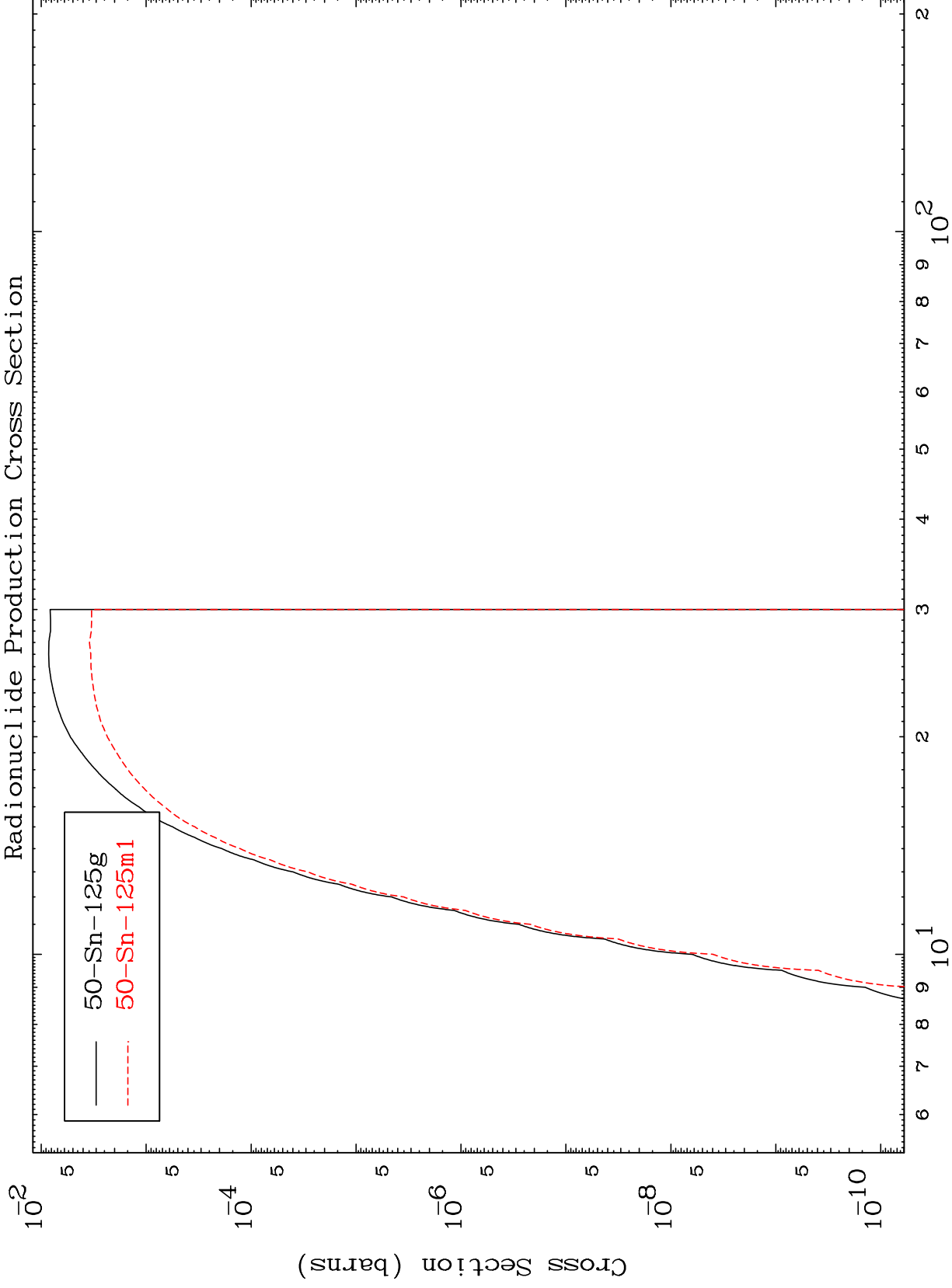
51-Sb-126

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(n,d)

51-Sb-126

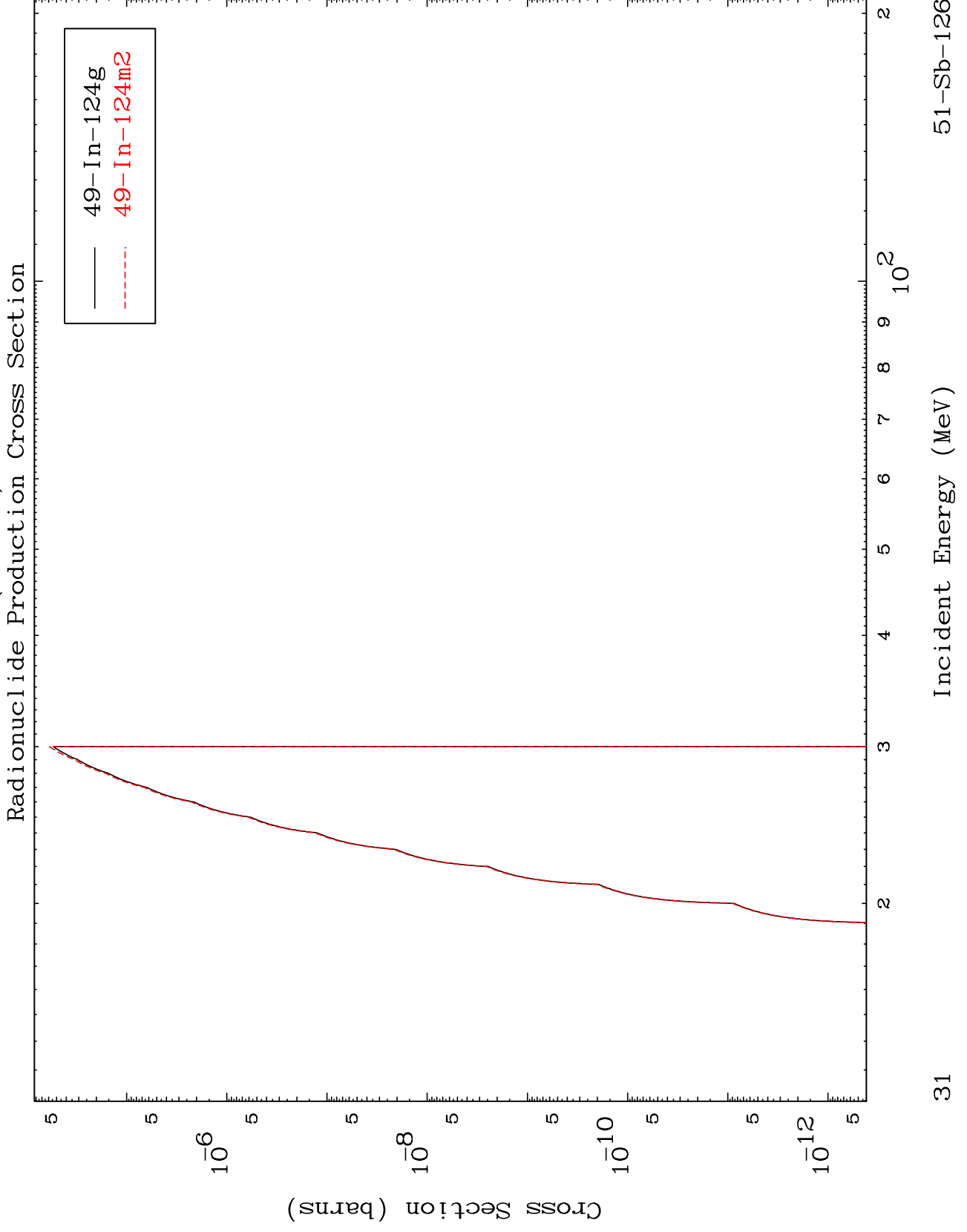
Radionuclide Production Cross Section



30

Incident Energy (MeV)

51-Sb-126

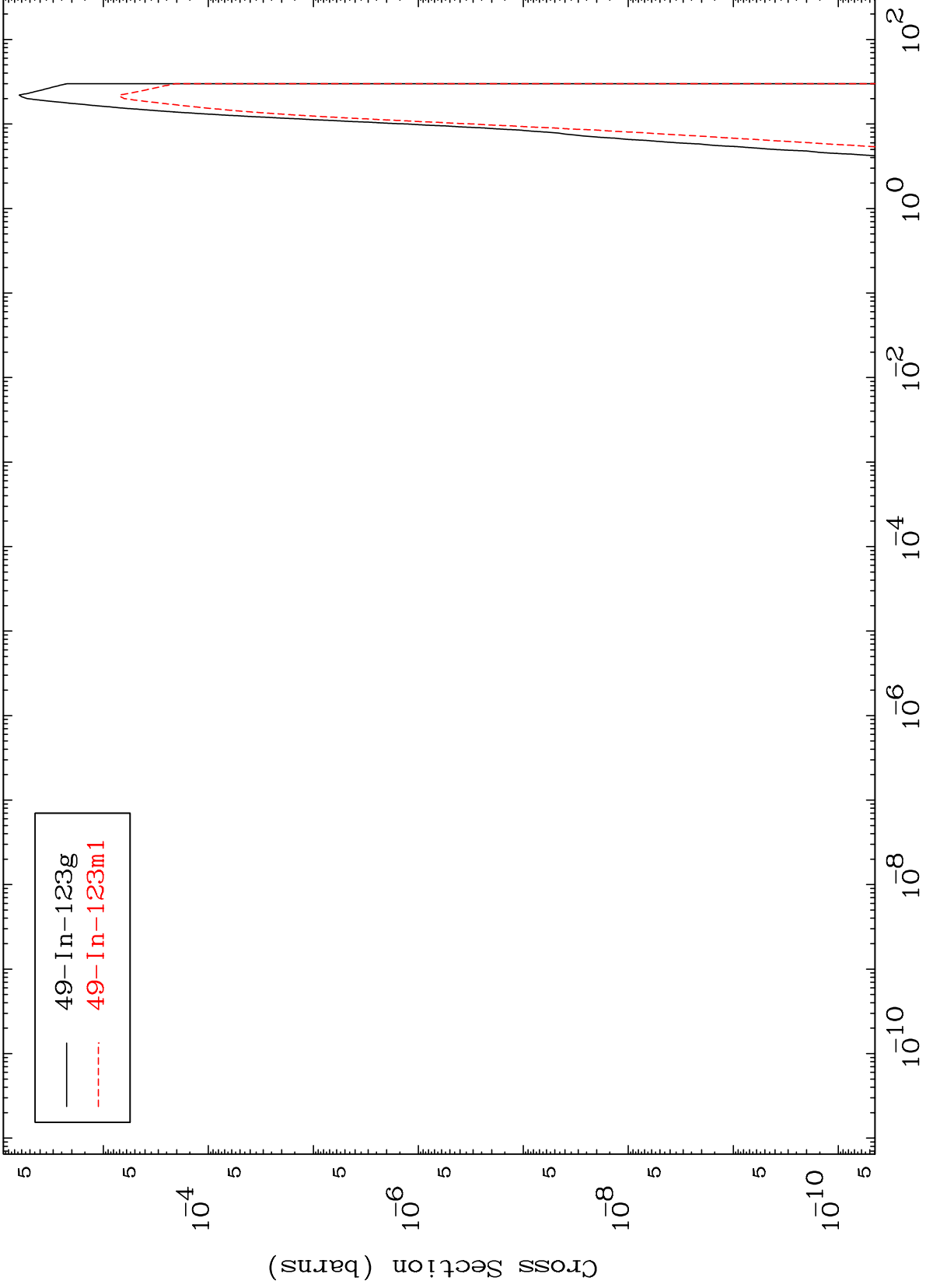


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(n, α)

51-Sb-126

Radionuclide Production Cross Section

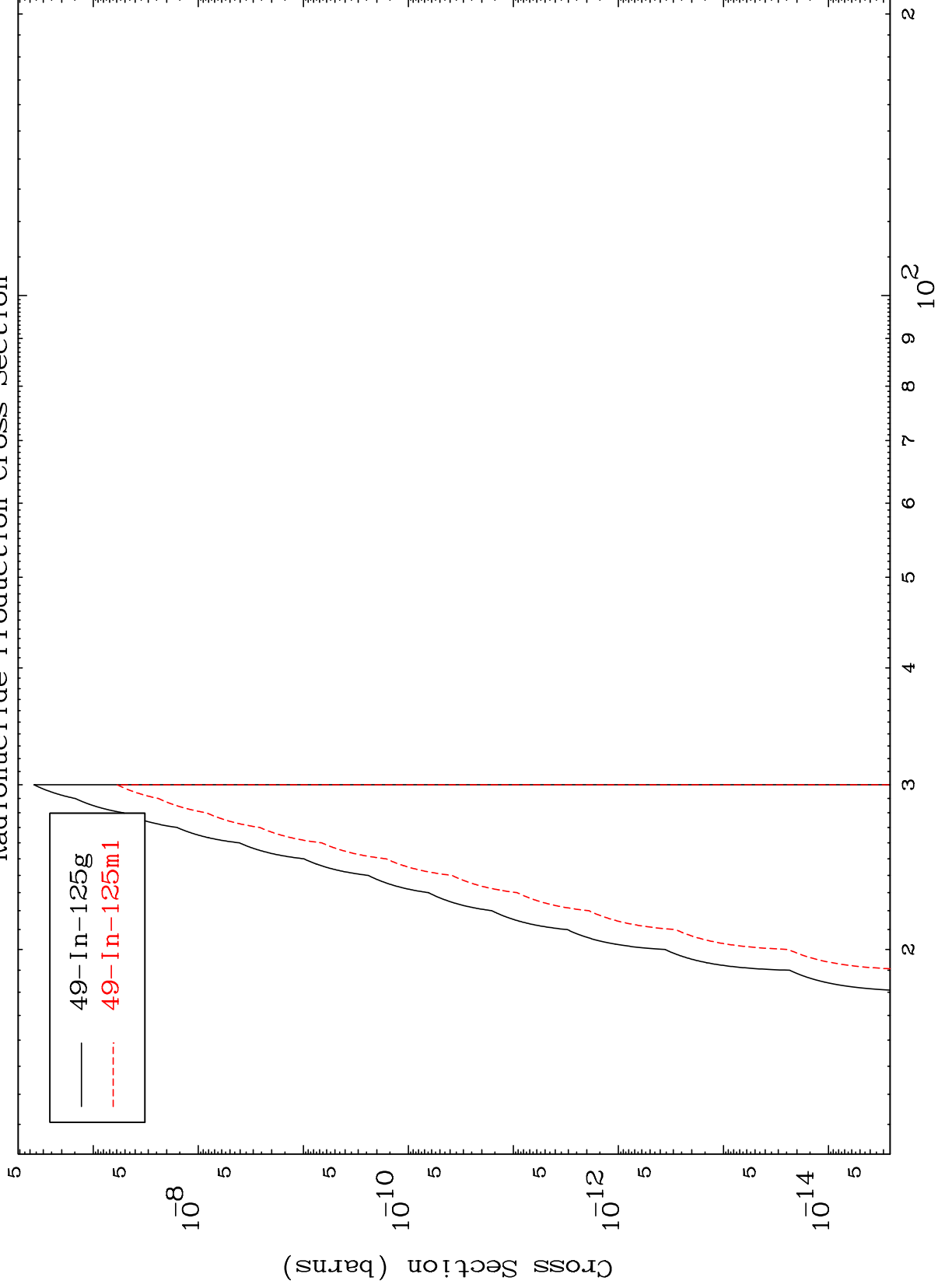


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(n,2p)

51-Sb-126

Radionuclide Production Cross Section



Incident Energy (MeV)

51-Sb-126

33