

Program EVALPLOT
(Version 2021-1)

by

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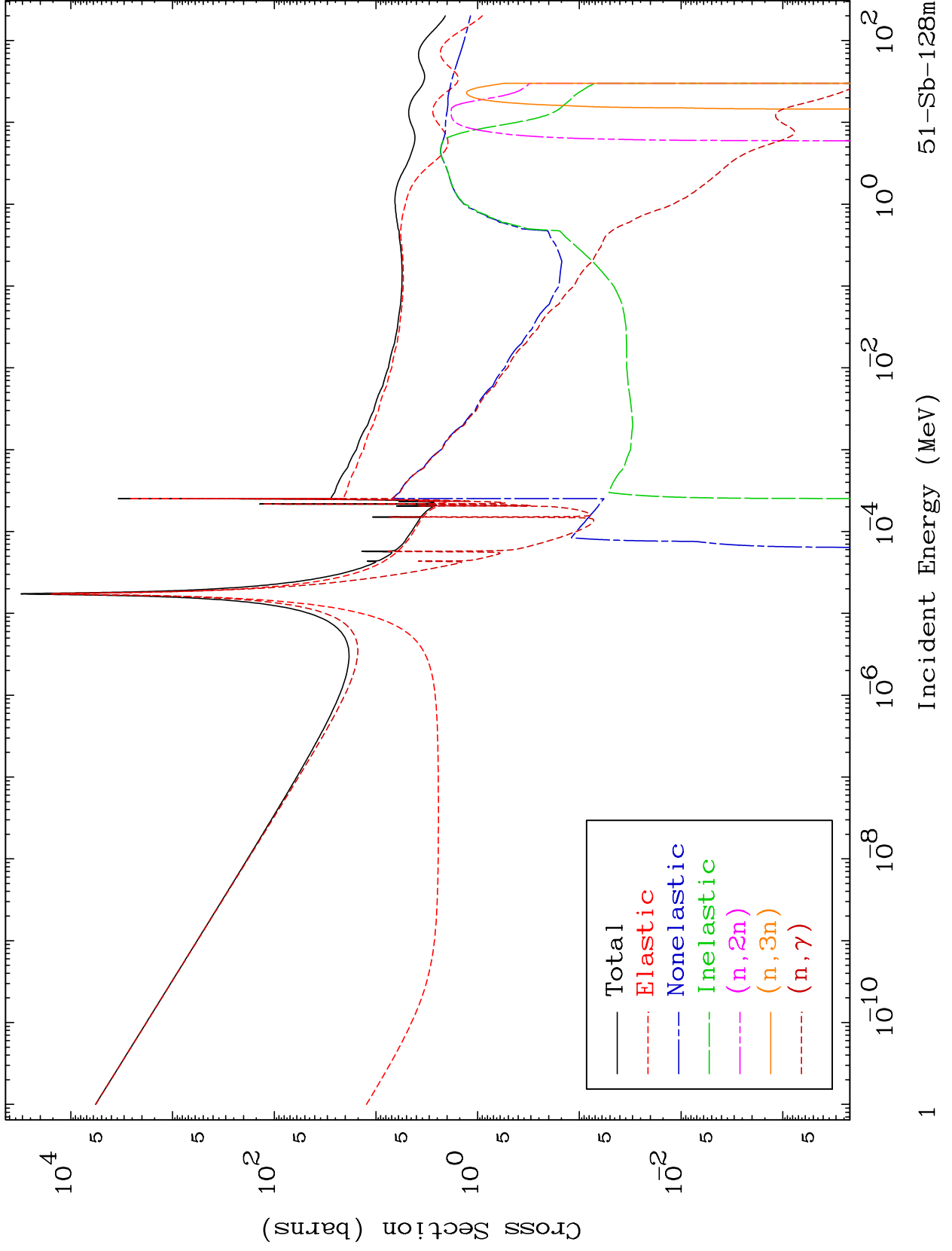
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5147

Neutron Major
293 Kelvin Cross Sections

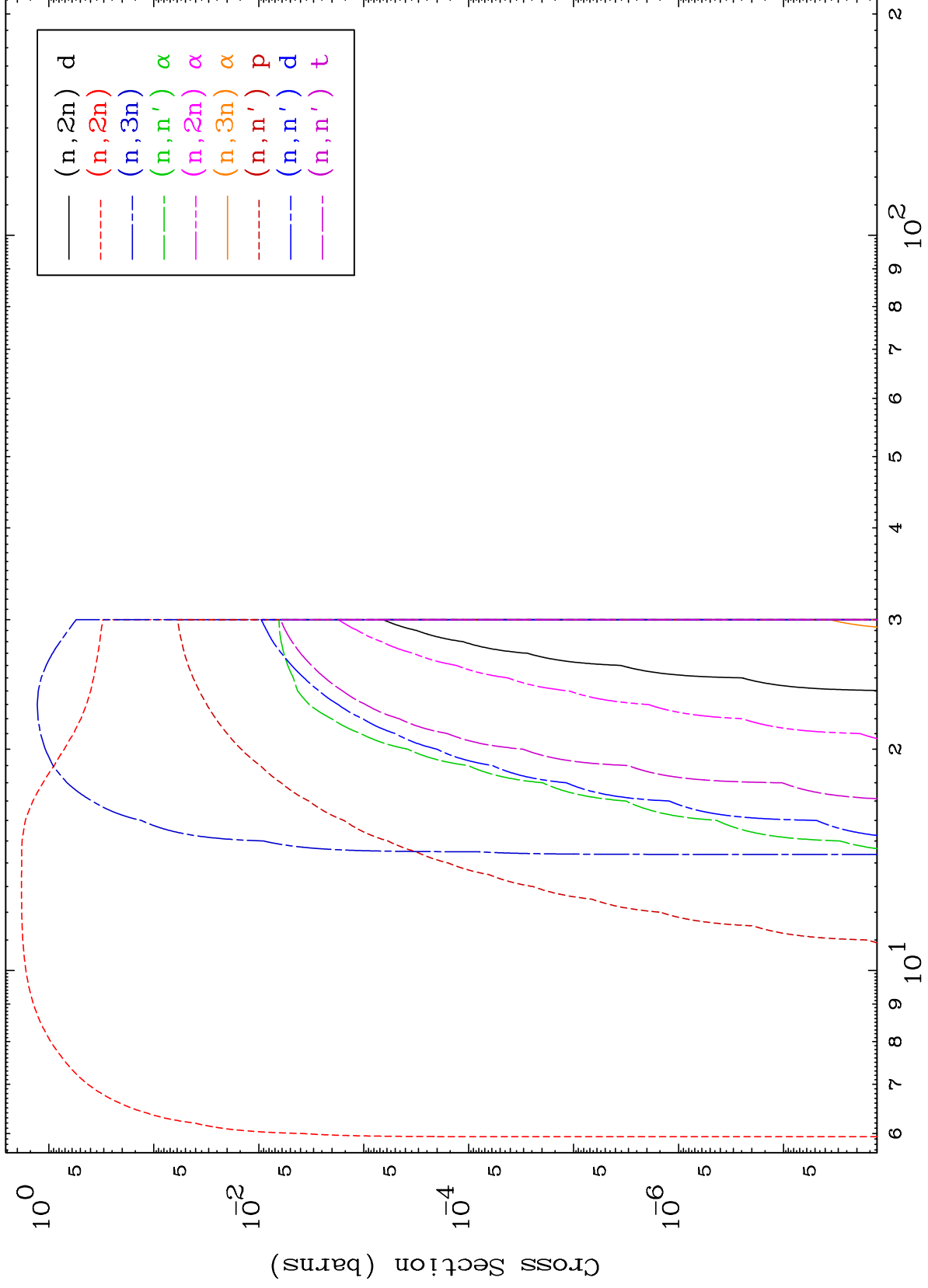
51-Sb-128m



MAT 5147

Neutron Absorption
293 Kelvin Cross Sections

51-Sb-128m



2

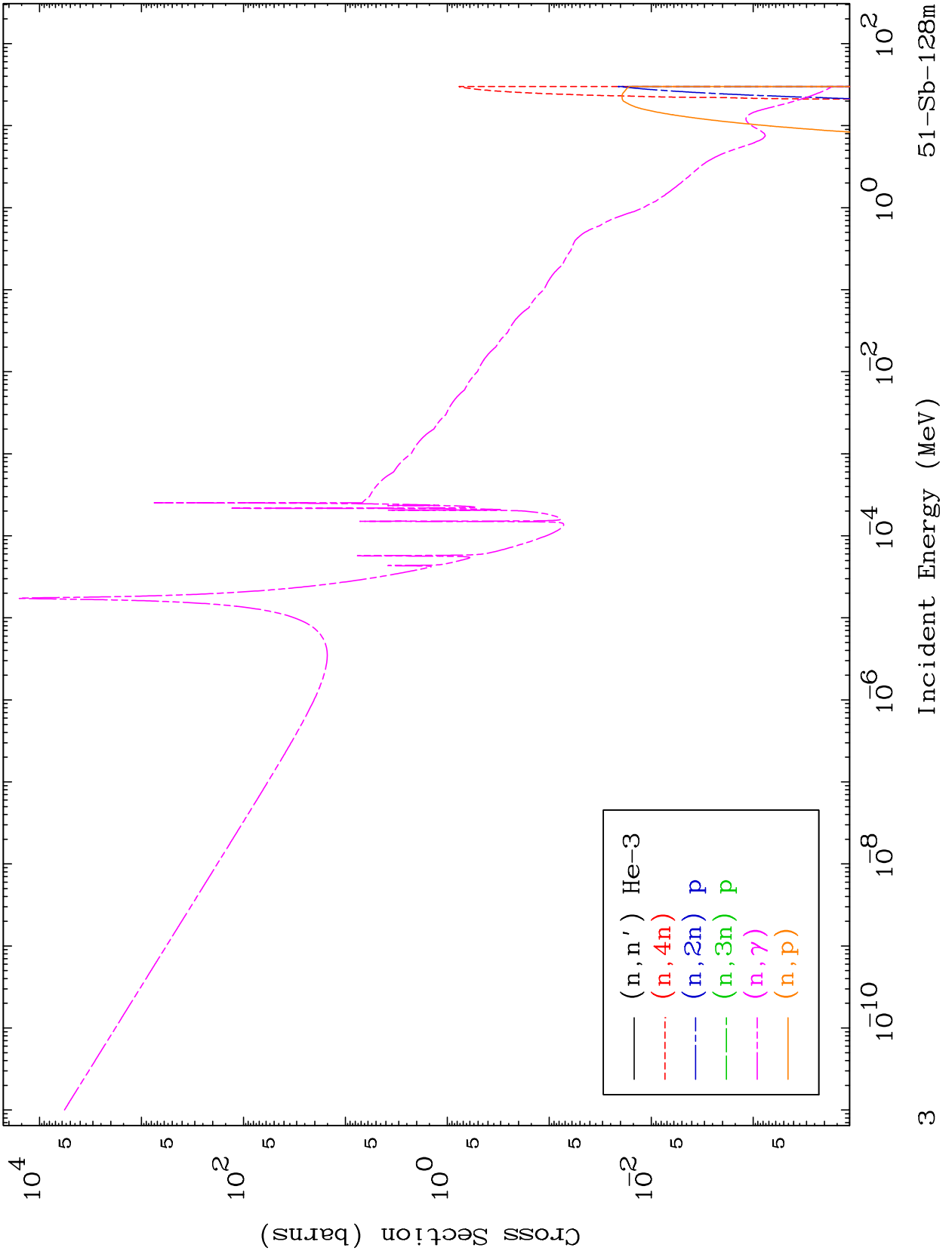
Incident Energy (MeV)

51-Sb-128m

MAT 5147

Neutron Absorption
293 Kelvin Cross Sections

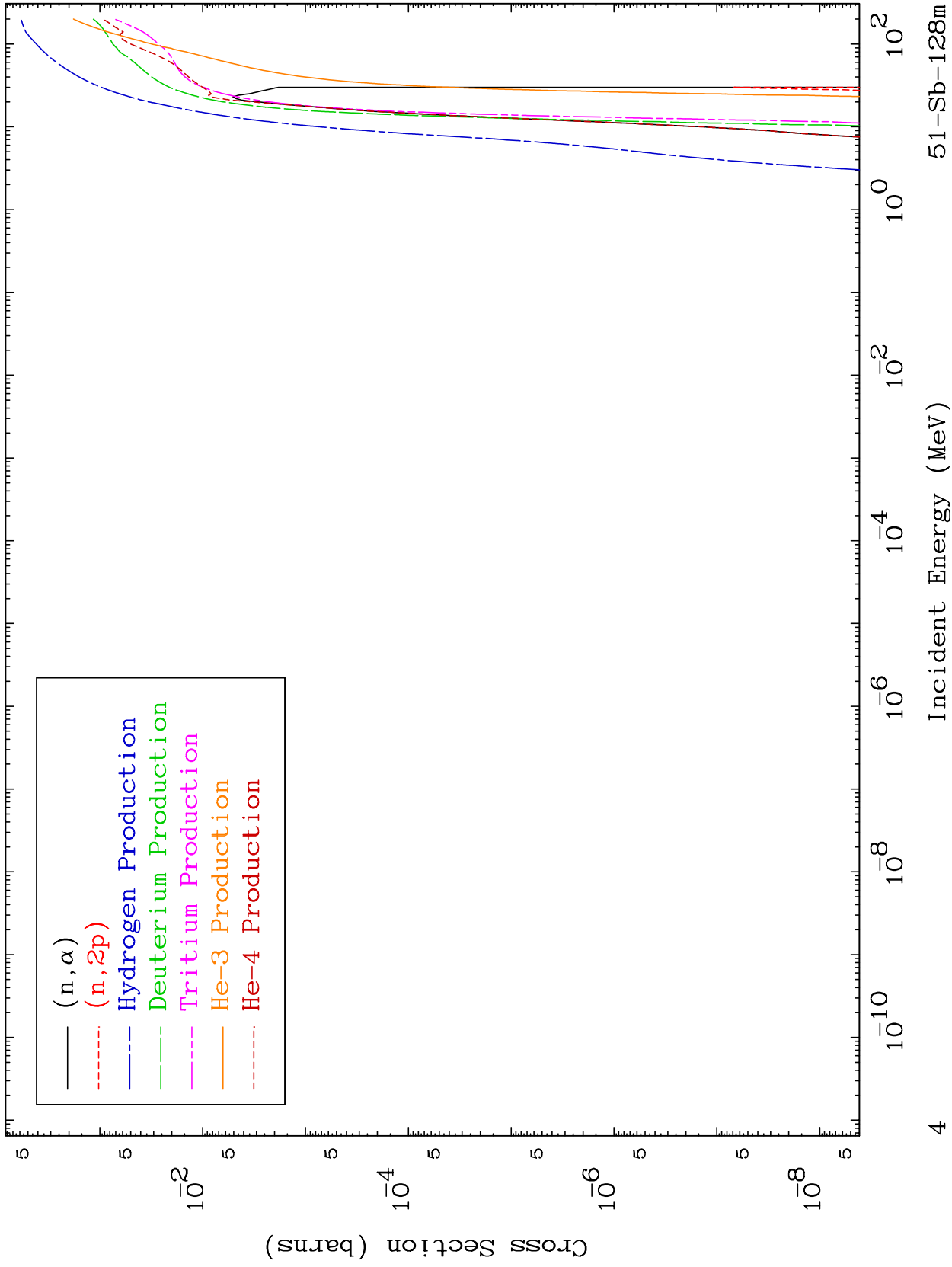
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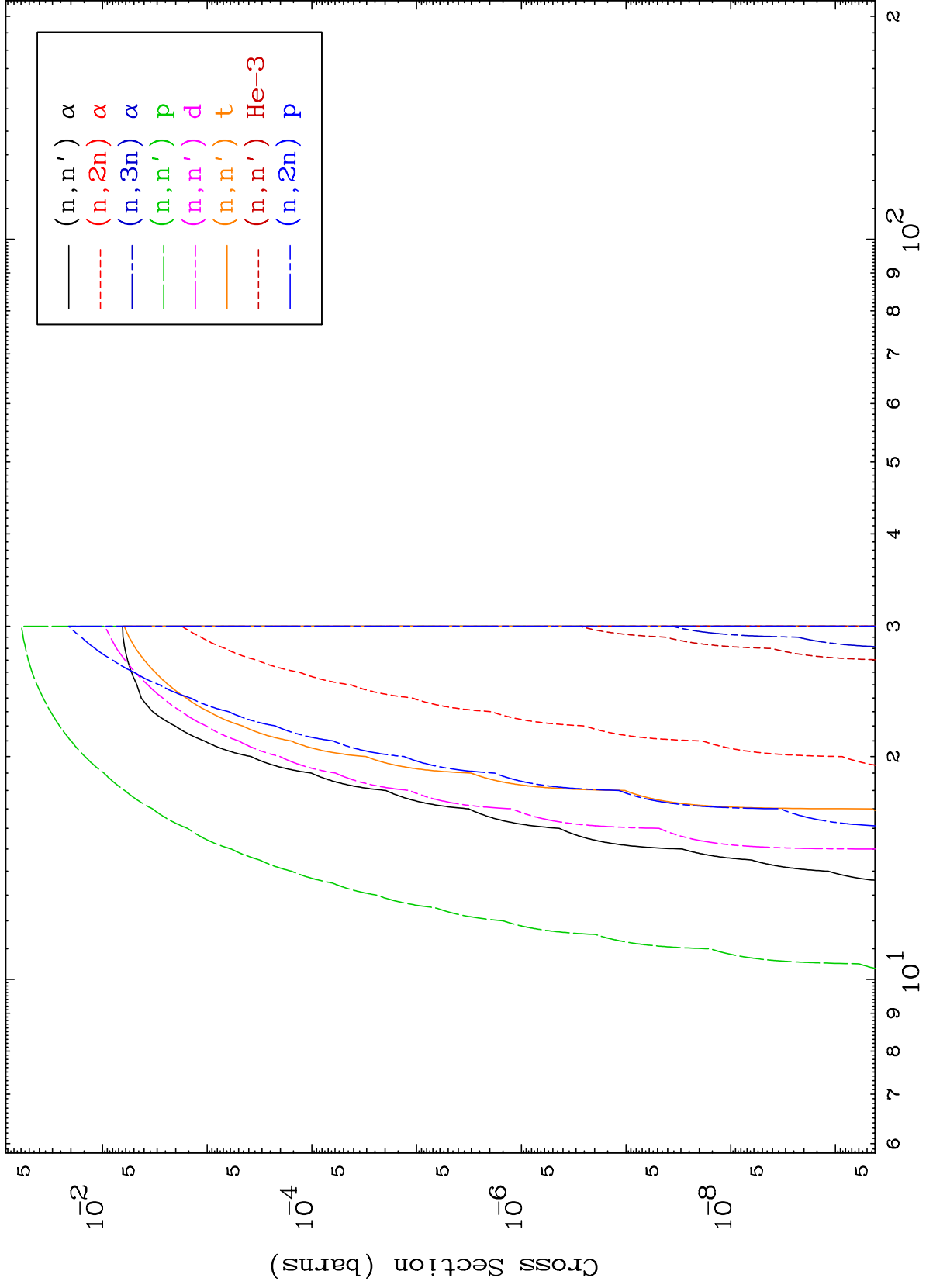


MAT 5147

Neutron Absorption
293 Kelvin Cross Sections

51-Sb-128m

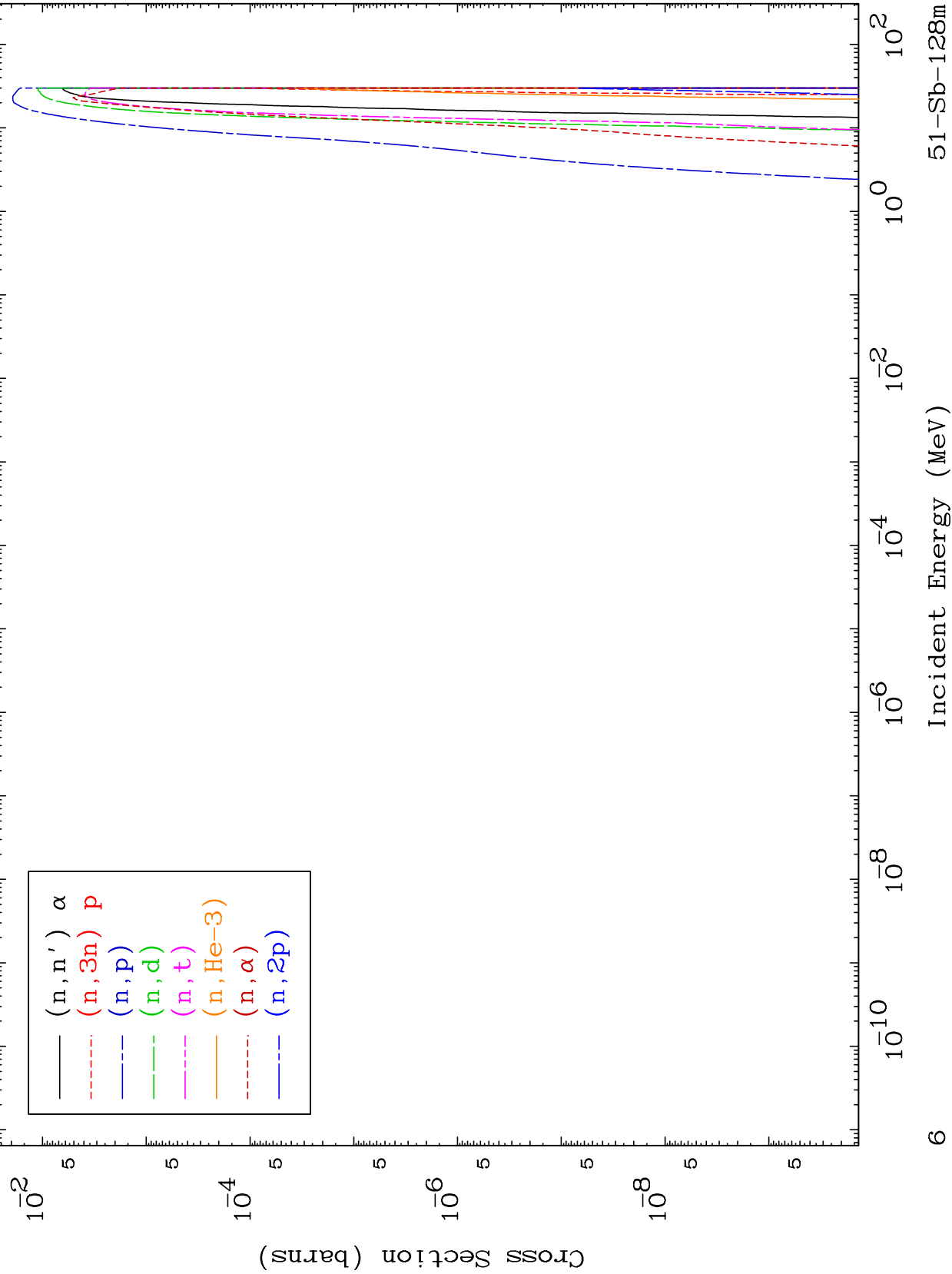




MAT 5147

Charged Particle
293 Kelvin Cross Sections

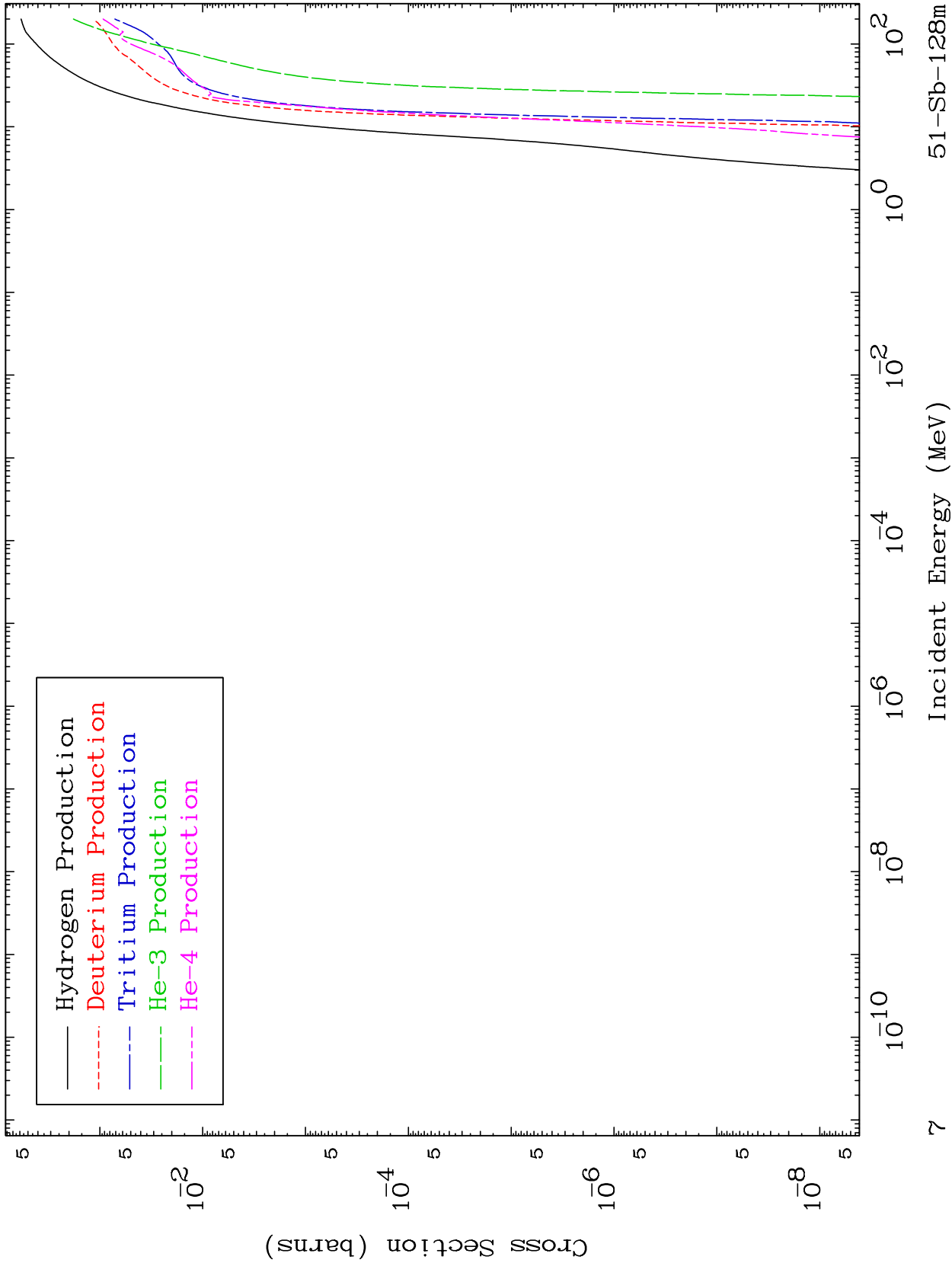
51-Sb-128m



MAT 5147

Particle Production
293 Kelvin Cross Sections

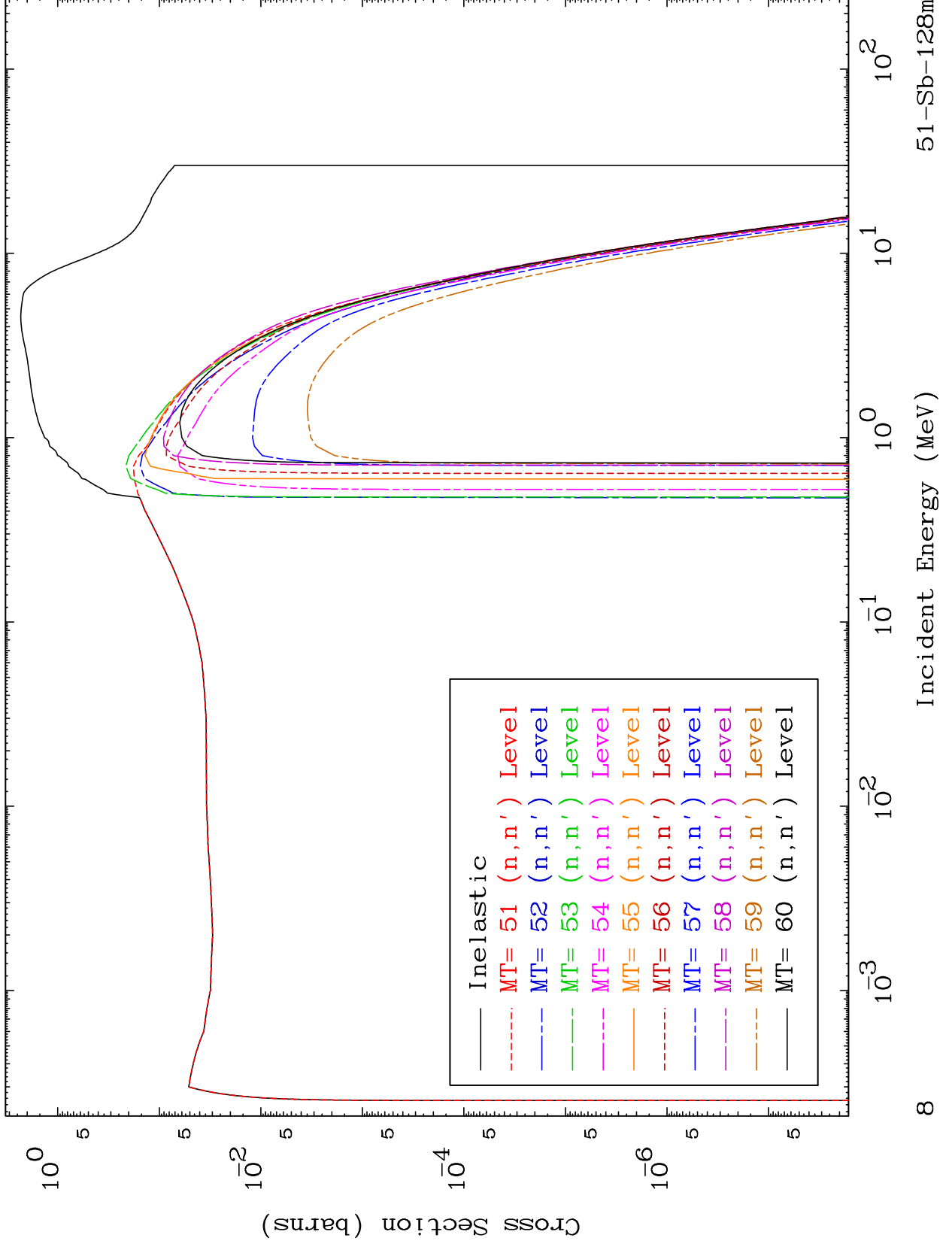
51-Sb-128m



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(n,n') Levels
293 Kelvin Cross Sections

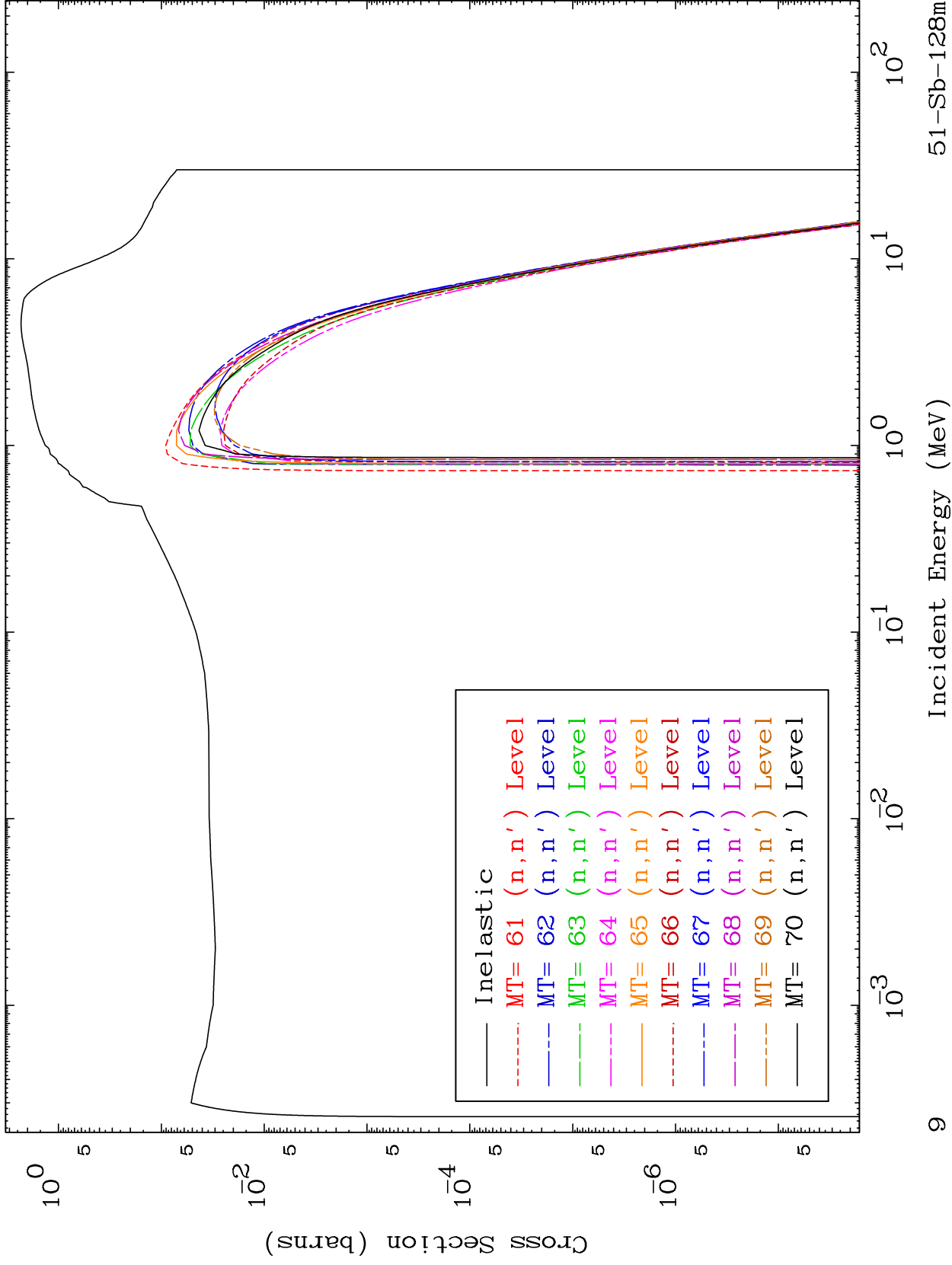
51-Sb-128m



MAT 5147

(n,n') Levels
293 Kelvin Cross Sections

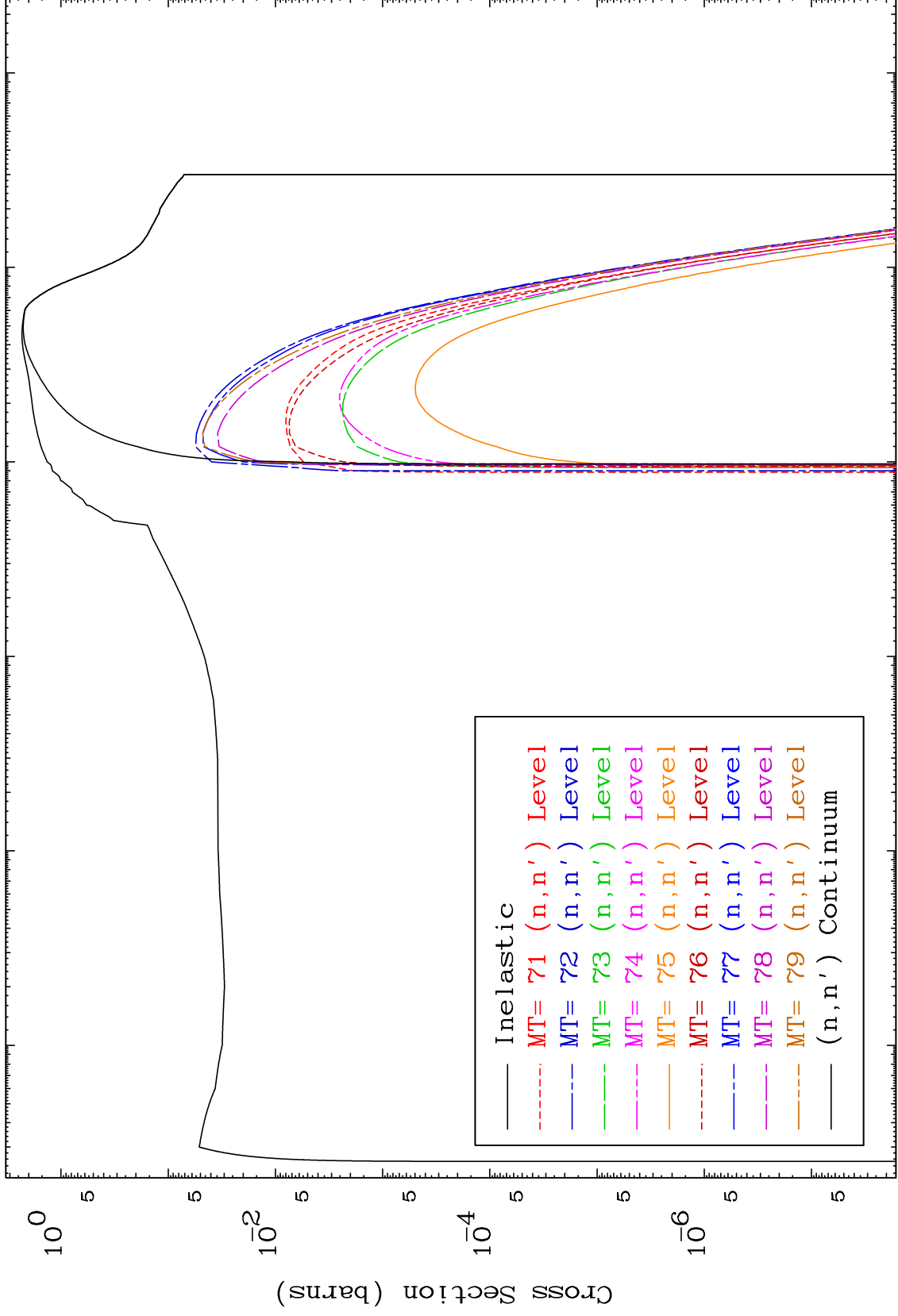
51-Sb-128m



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(n,n') Levels
293 Kelvin Cross Sections

51-Sb-128m



10

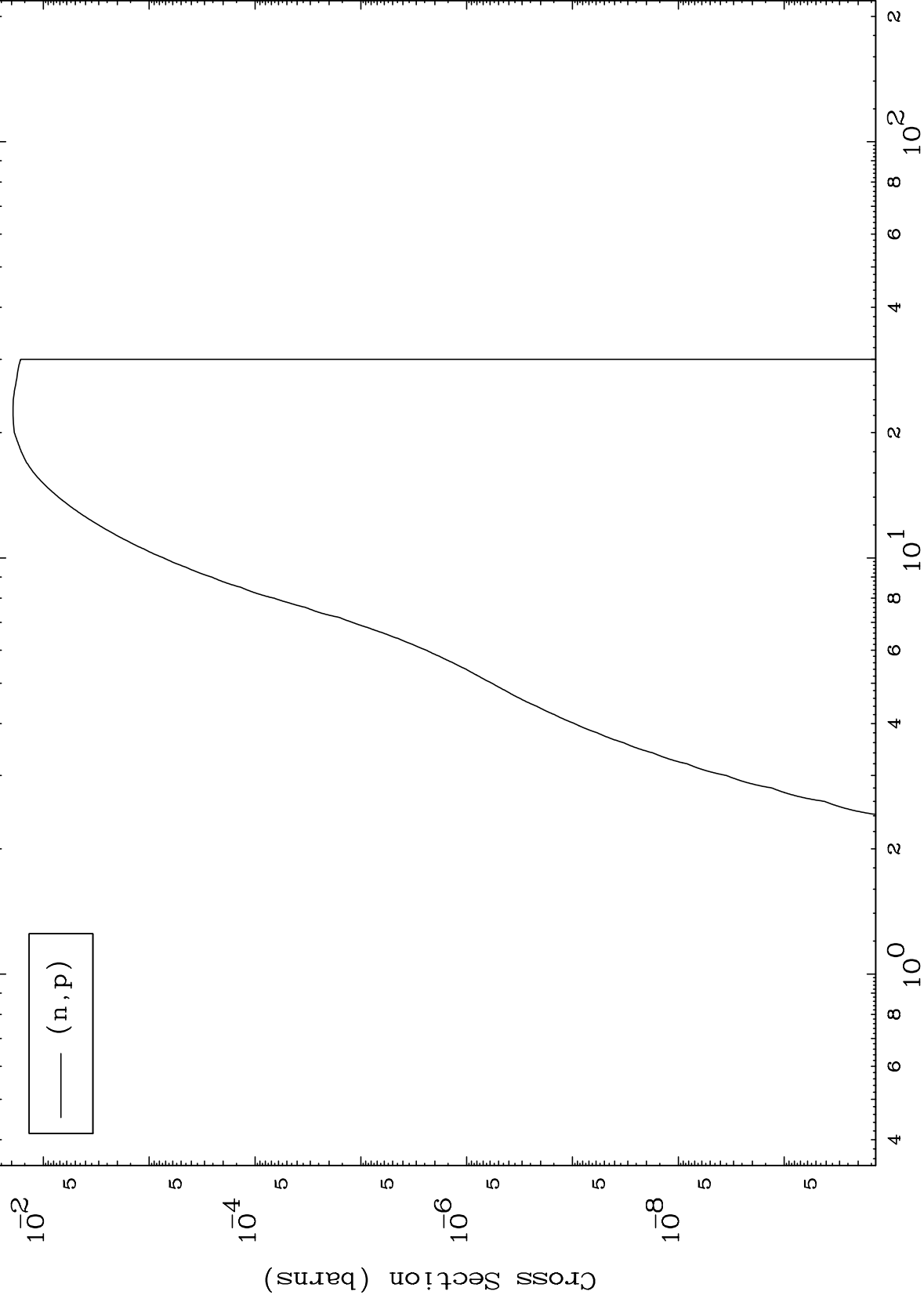
Incident Energy (MeV)

51-Sb-128m

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(n,p) Levels
293 Kelvin Cross Sections

51-Sb-128m



11

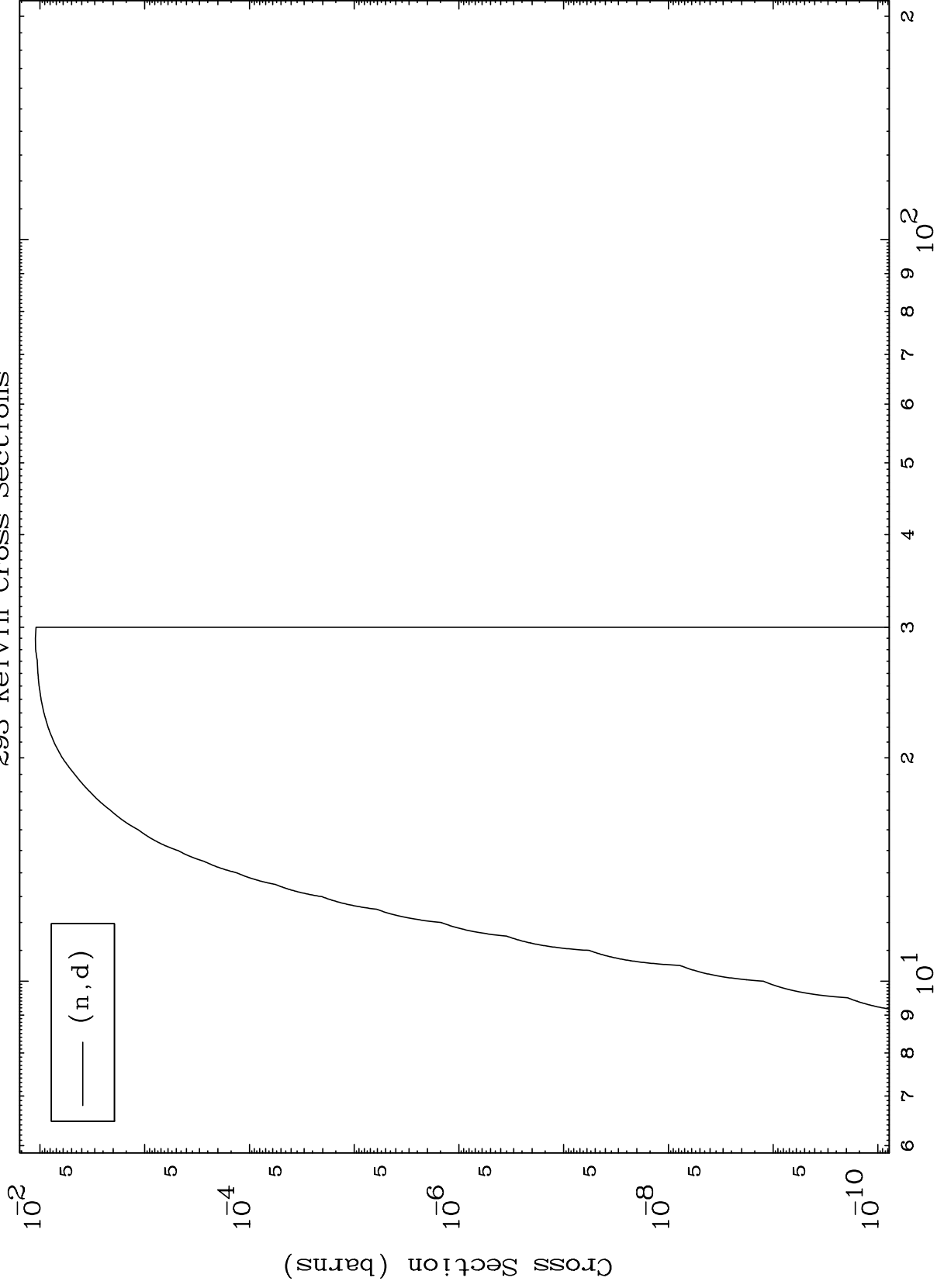
Incident Energy (MeV)

51-Sb-128m

MAT 5147

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-128m



12

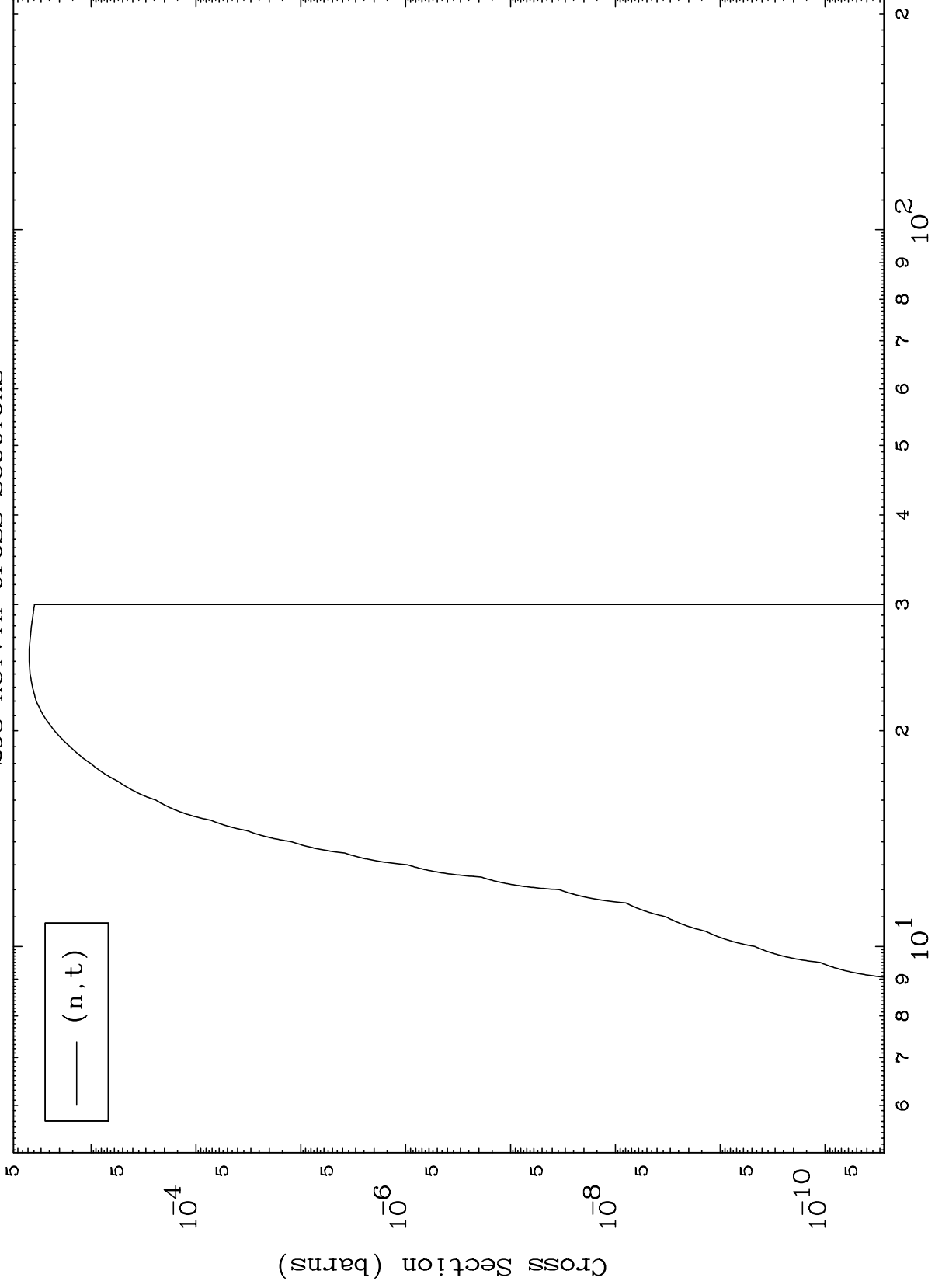
Incident Energy (MeV)

51-Sb-128m

MAT 5147

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-128m



13

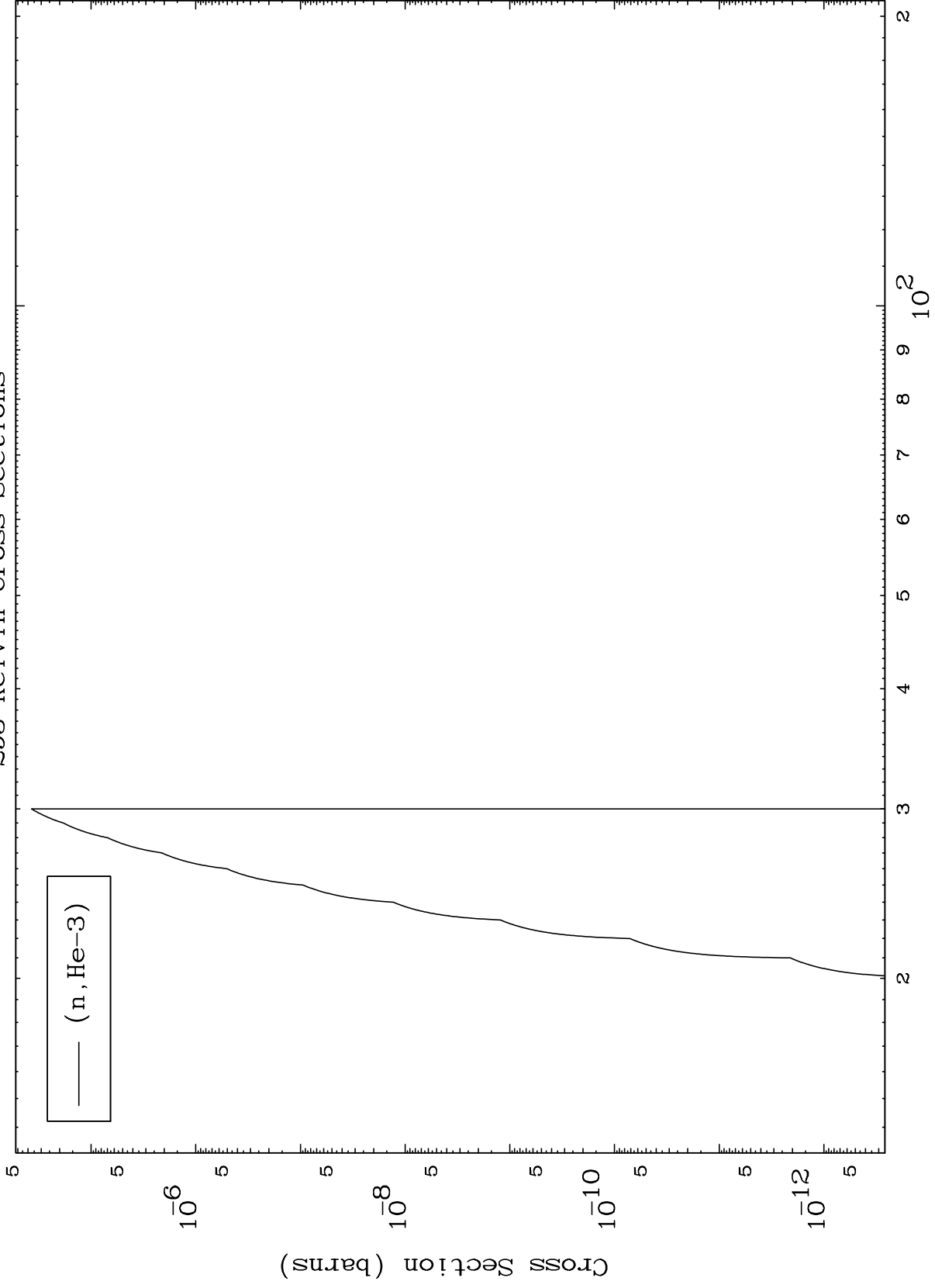
Incident Energy (MeV)

51-Sb-128m

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(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-128m



14

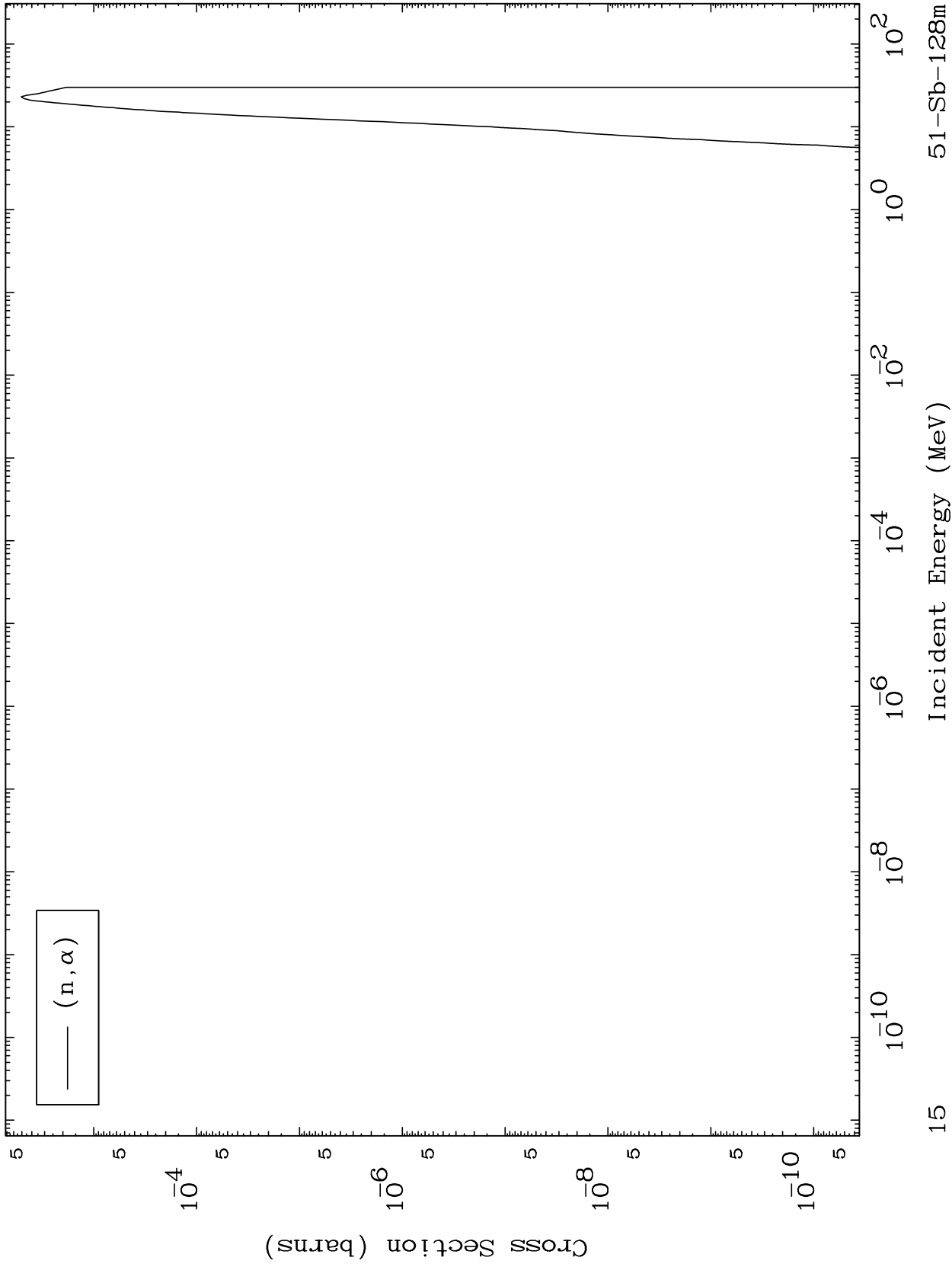
Incident Energy (MeV)

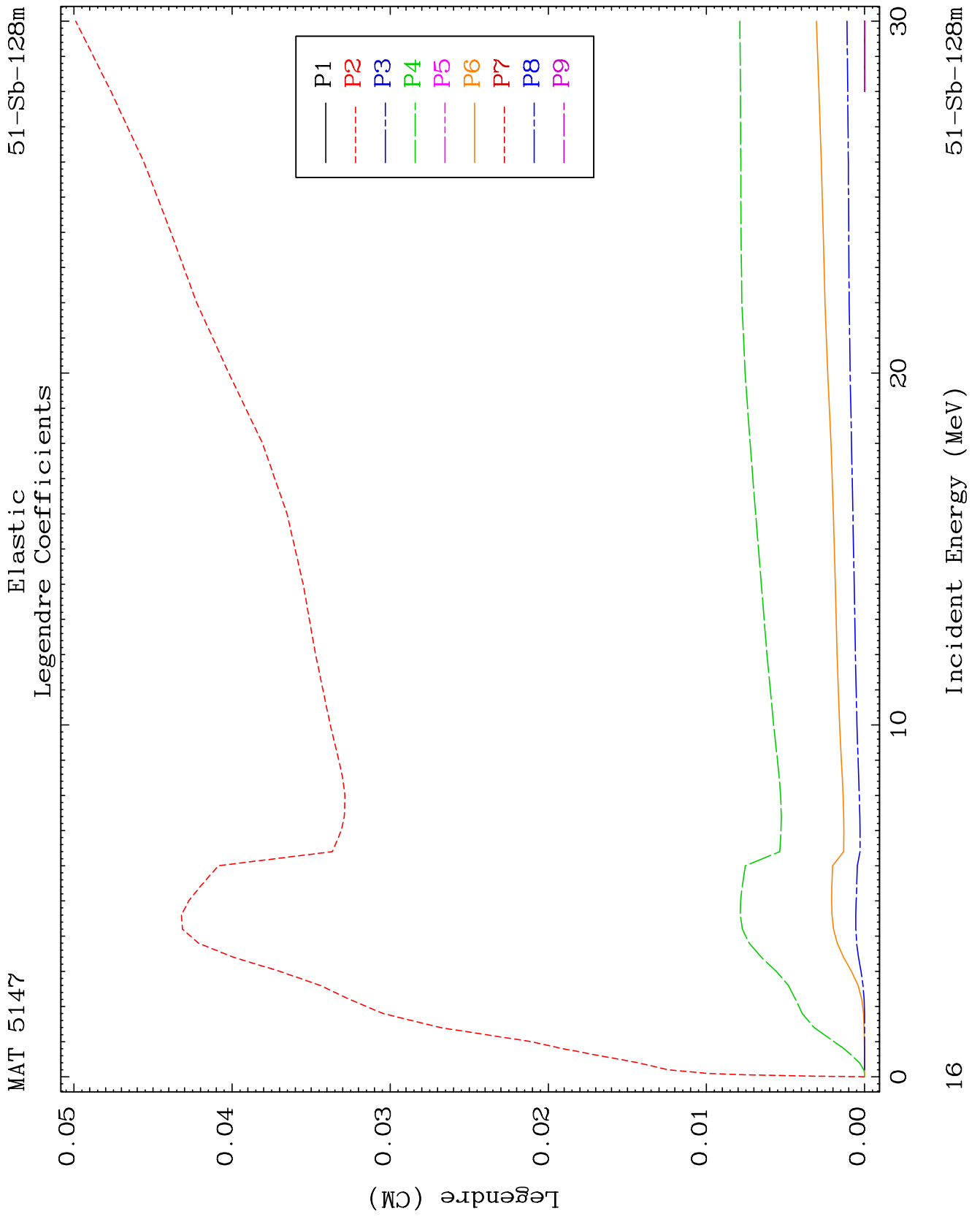
51-Sb-128m

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(n, α) Levels
293 Kelvin Cross Sections

51-Sb-128m

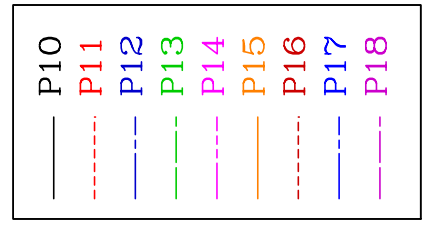




MAT 5147

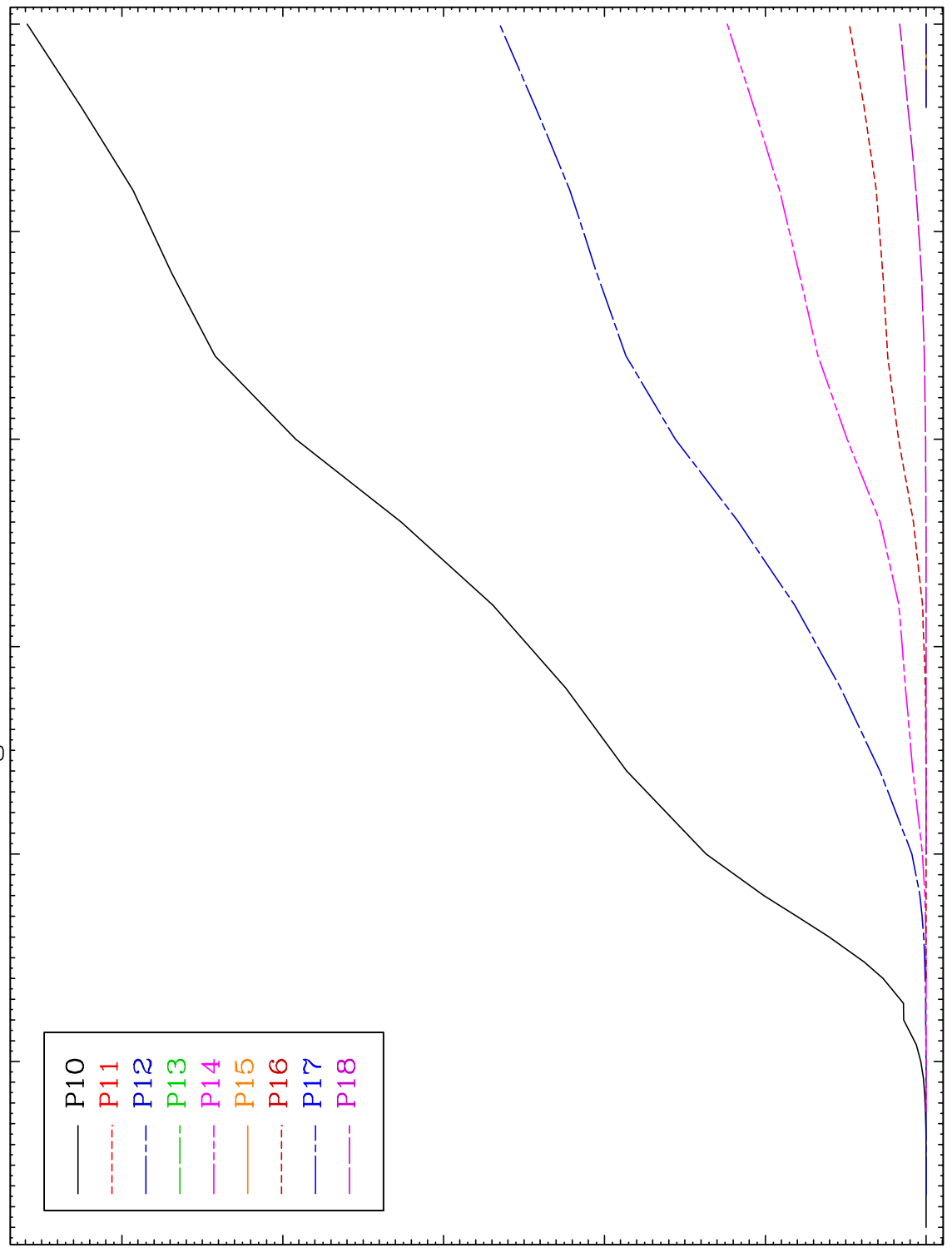
Elastic Legendre Coefficients

51-Sb-128m



$\times 10^{-4}$

Legendre (CM)



17

Incident Energy (MeV)

51-Sb-128m

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Elastic
Legendre Coefficients

51-Sb-128m



18

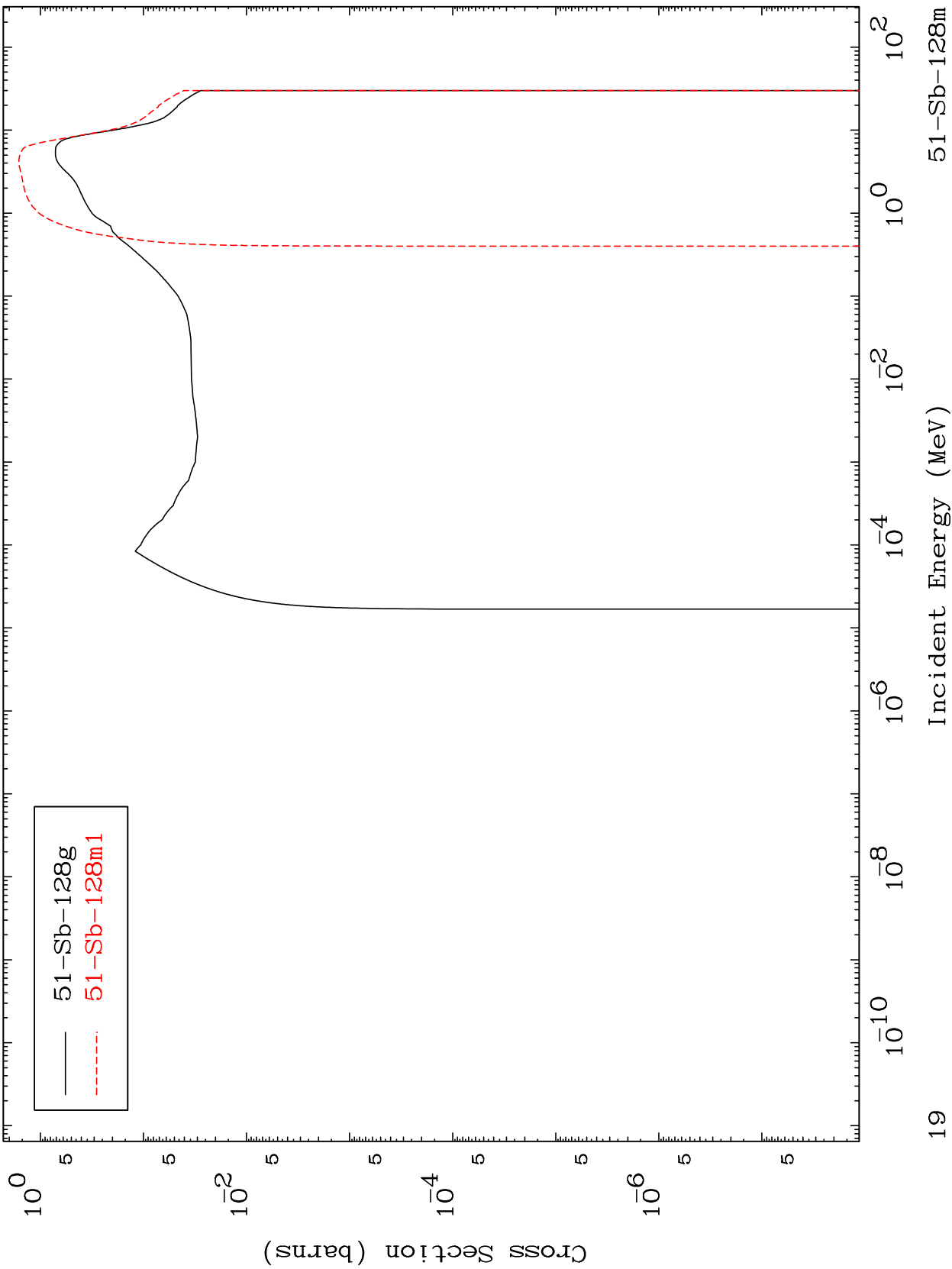
Incident Energy (MeV)

51-Sb-128m

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Inelastic
Radionuclide Production Cross Section

51-Sb-128m

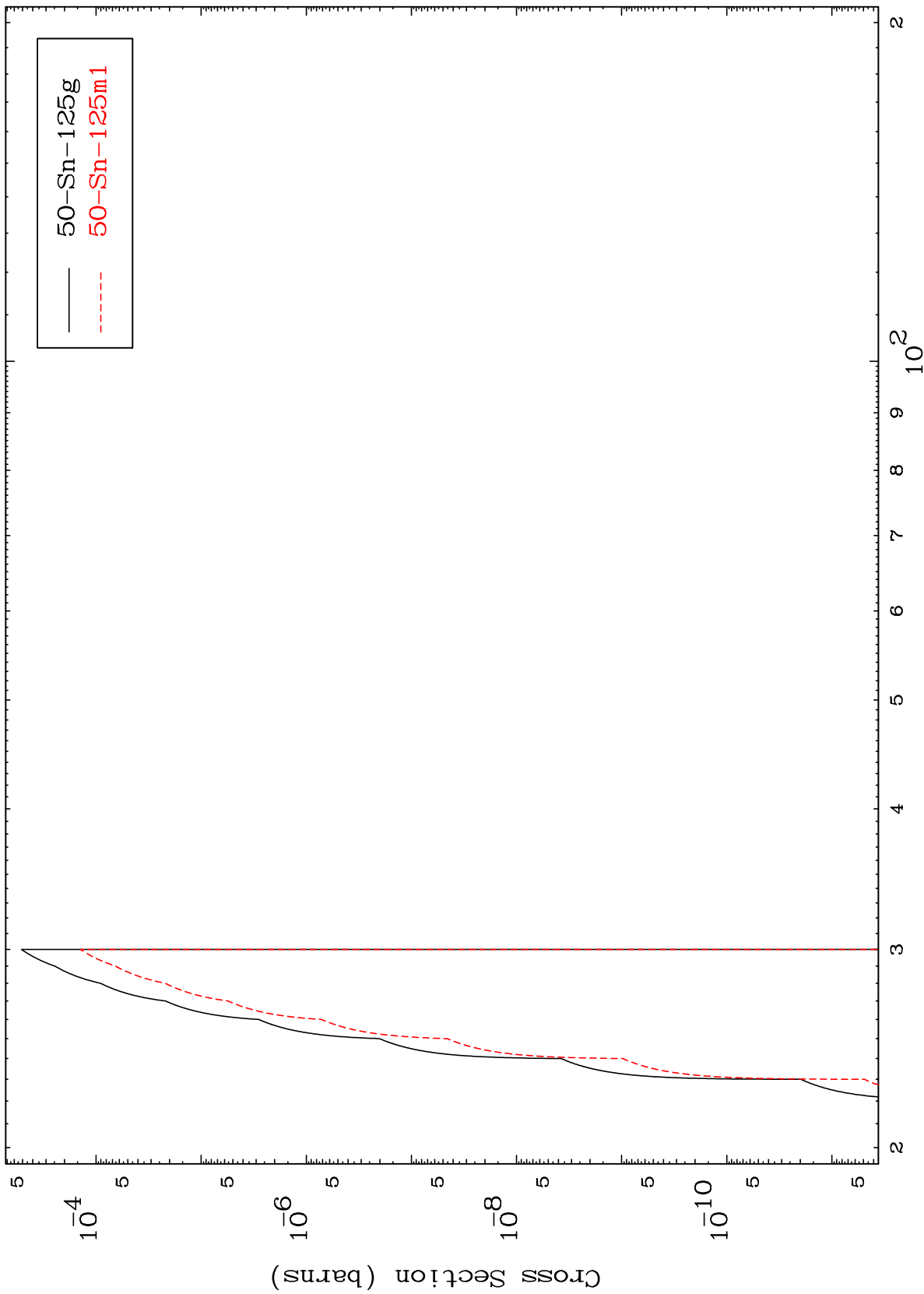


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(n,2n) d

51-Sb-128m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

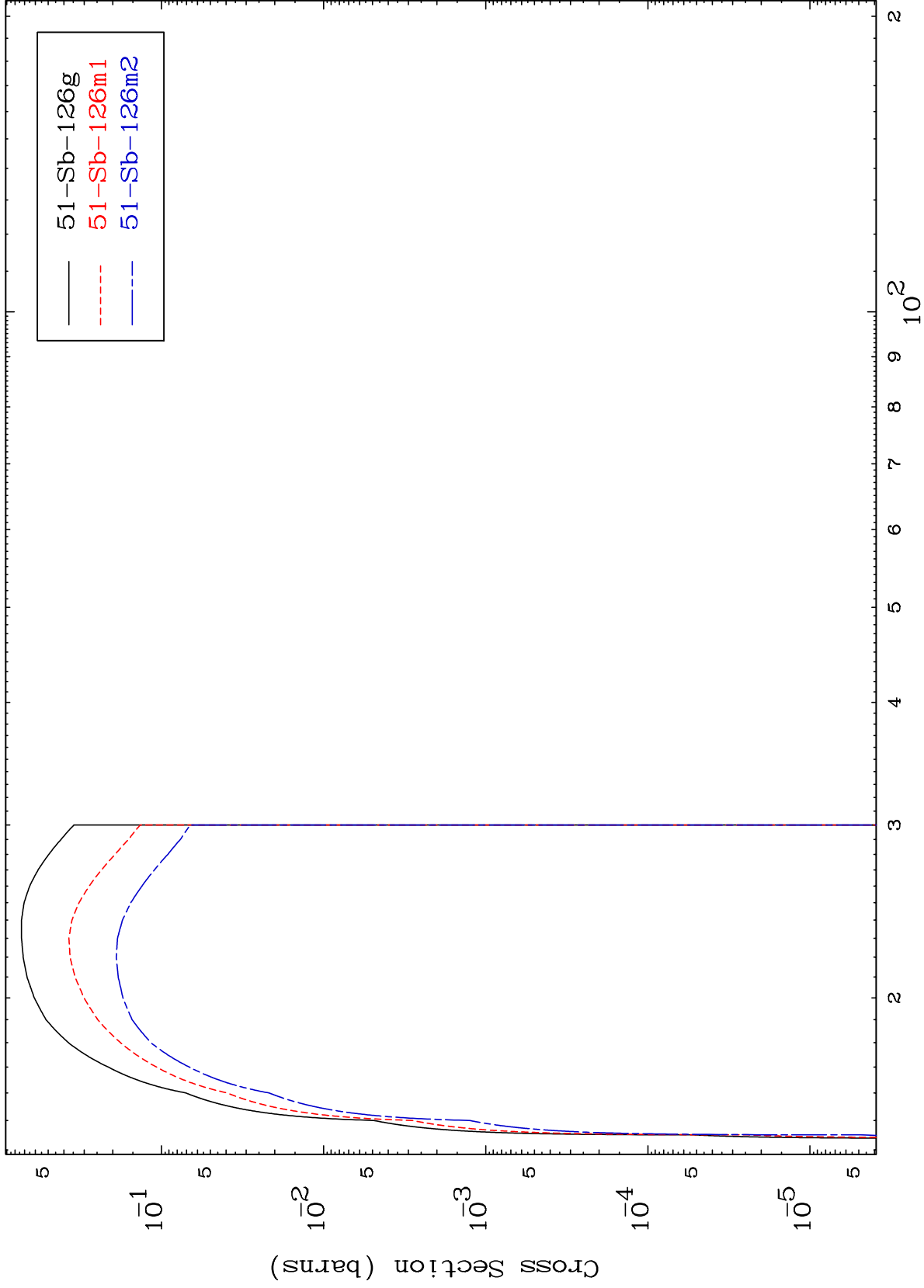
51-Sb-128m

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(n,3n)

51-Sb-128m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

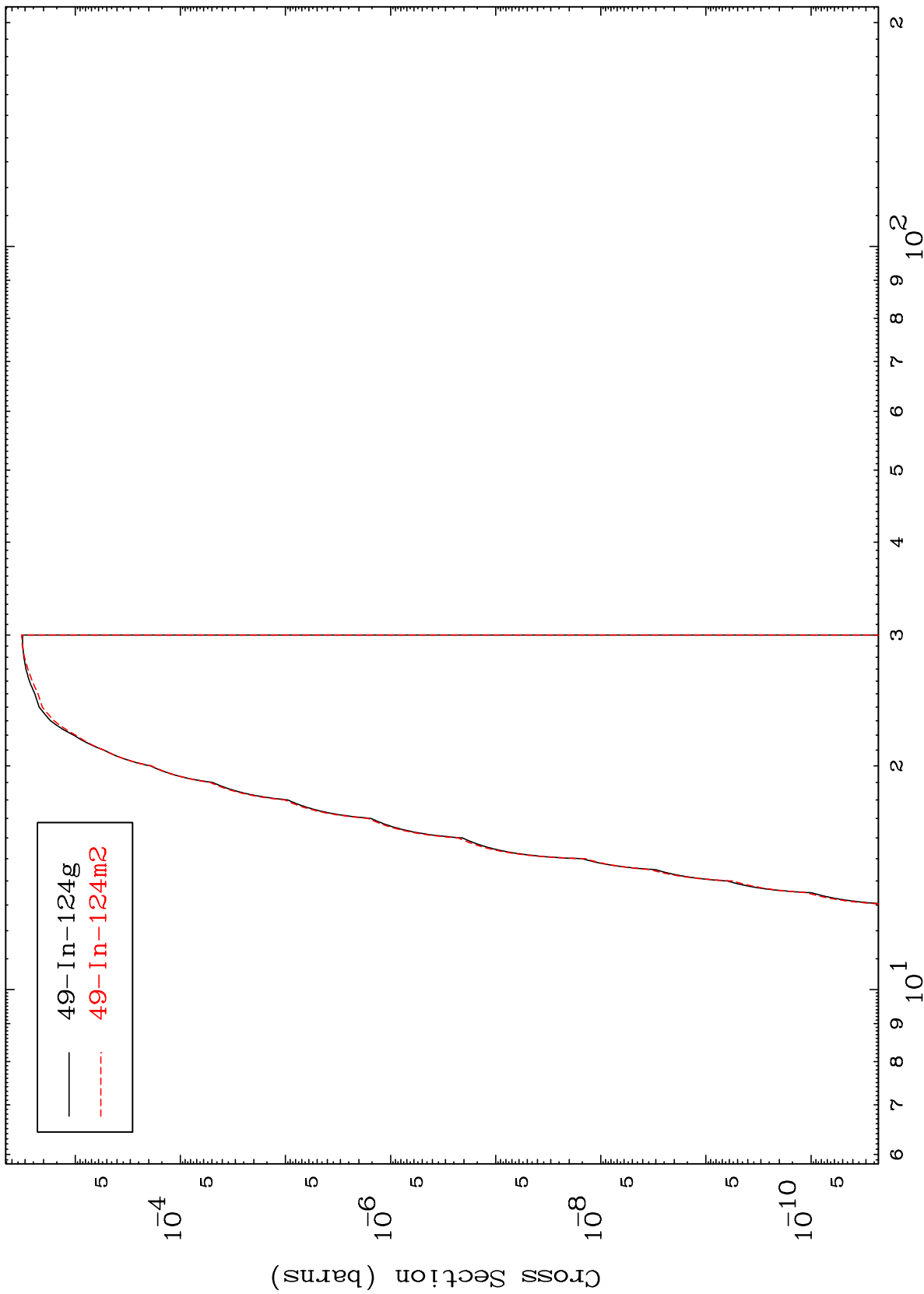
51-Sb-128m

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(n,n') α

51-Sb-128m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

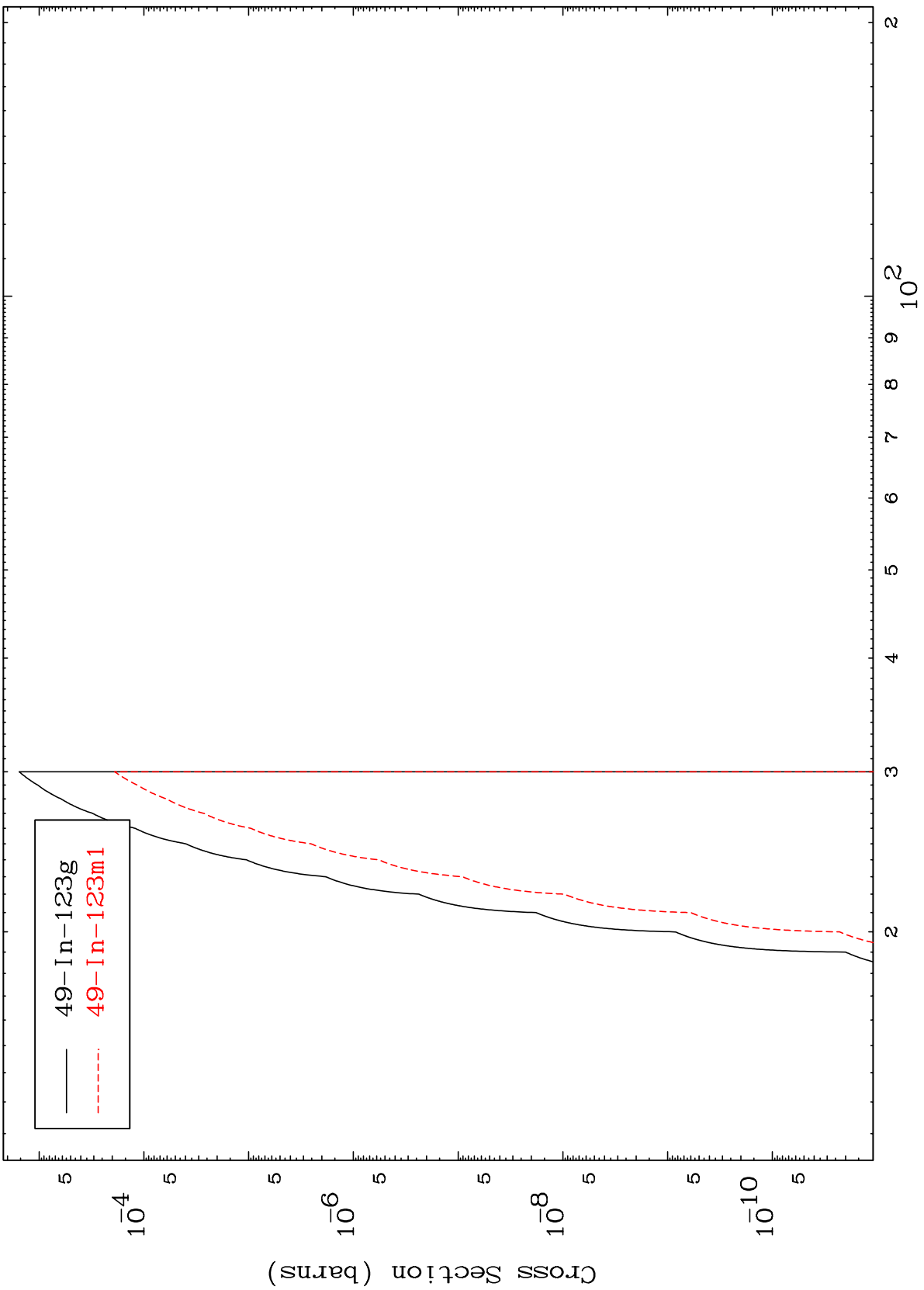
51-Sb-128m

MAT 5147

(n,2n) α

51-Sb-128m

Radionuclide Production Cross Section

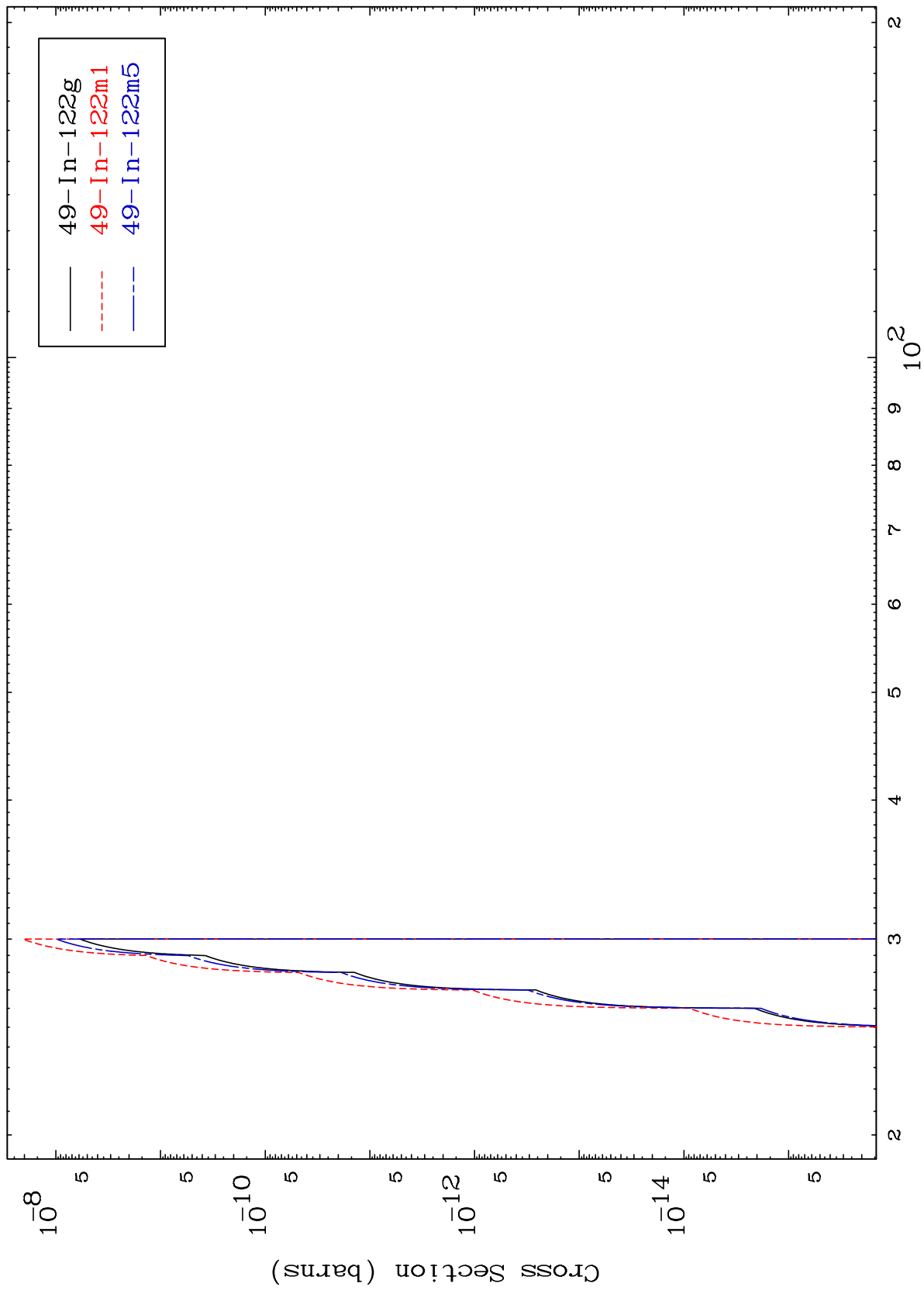


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(n,3n) α

51-Sb-128m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

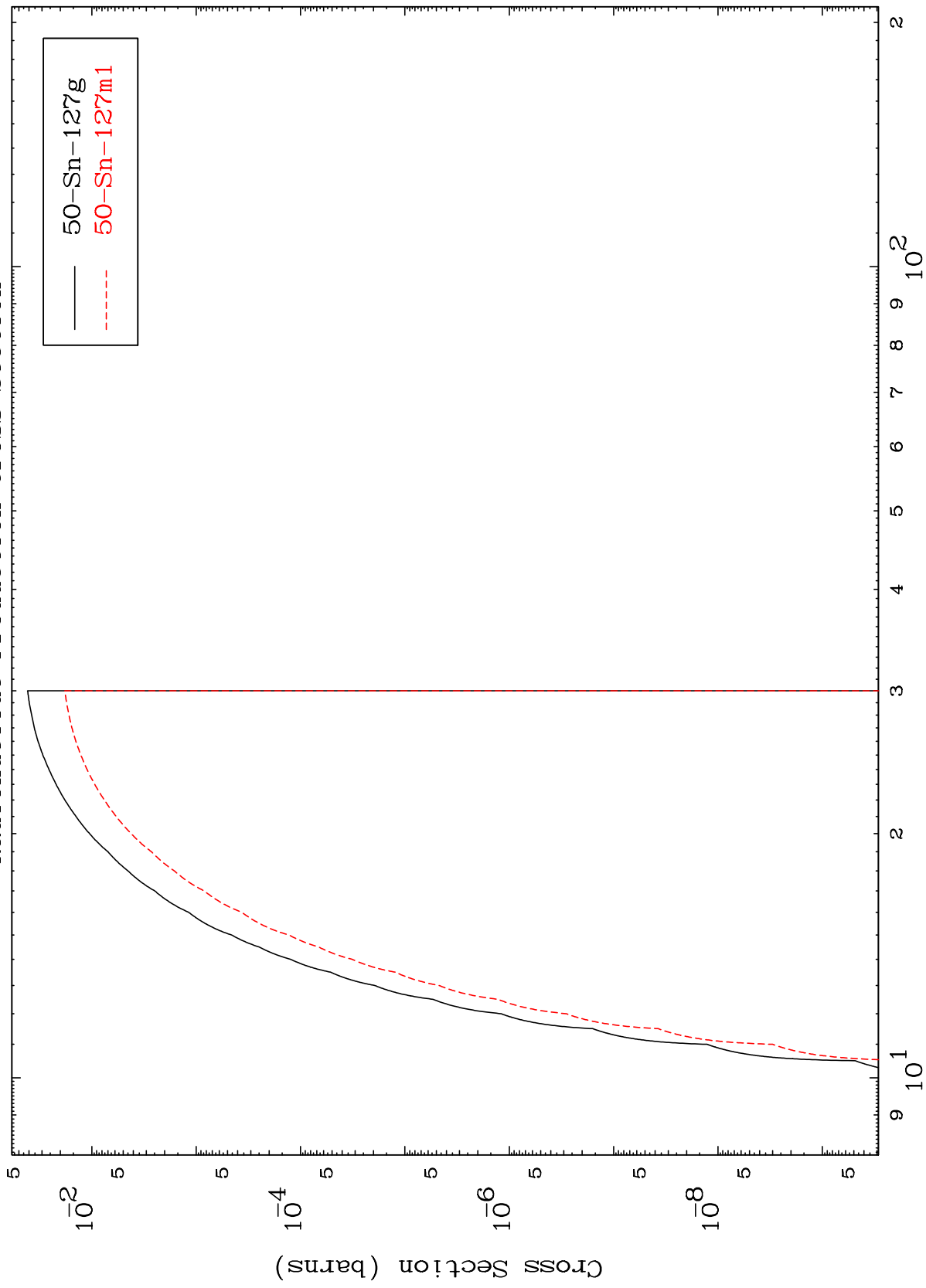
51-Sb-128m

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(n,n') p

51-Sb-128m

Radionuclide Production Cross Section



25

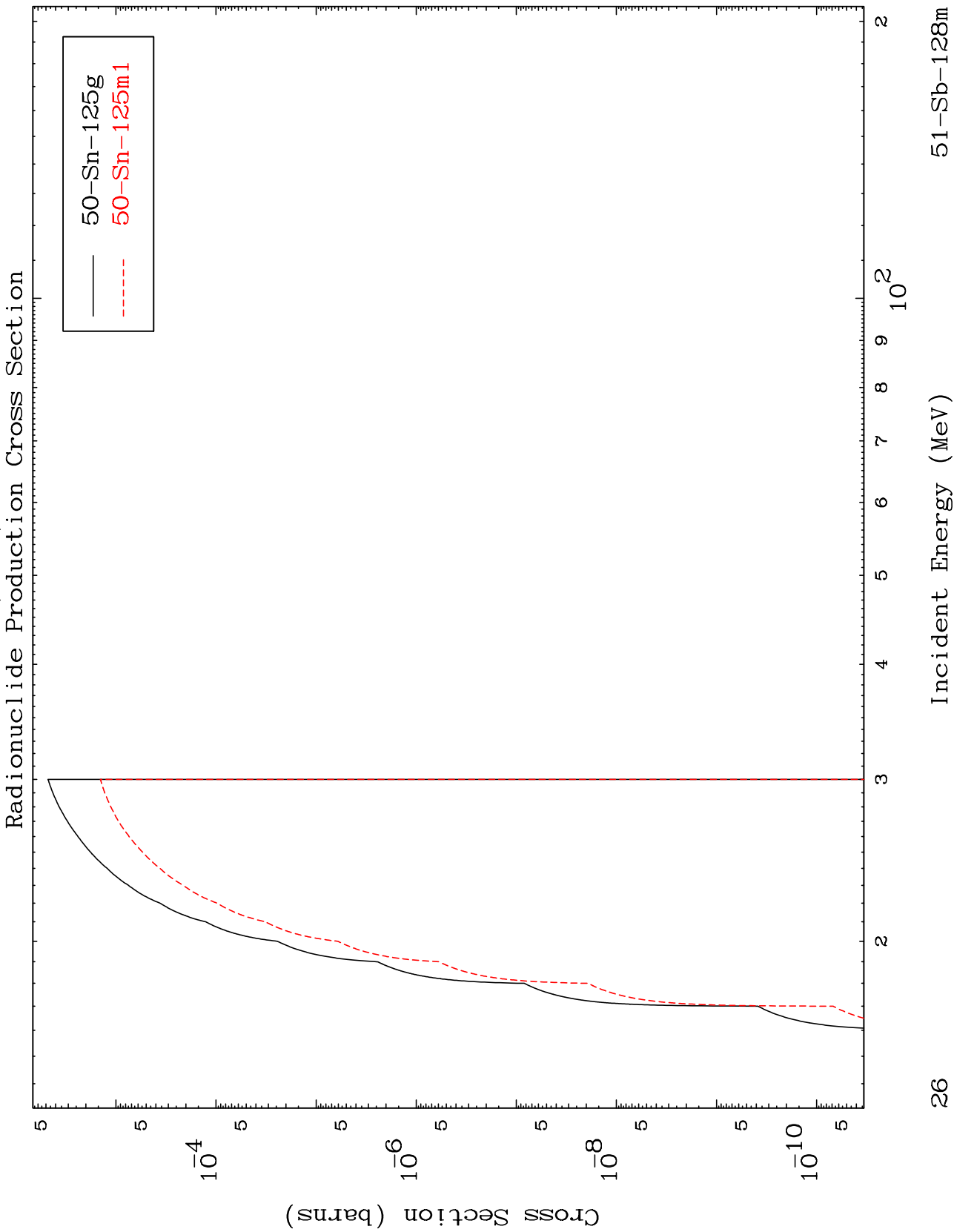
Incident Energy (MeV)

51-Sb-128m

MAT 5147

(n,n') t

51-Sb-128m



26

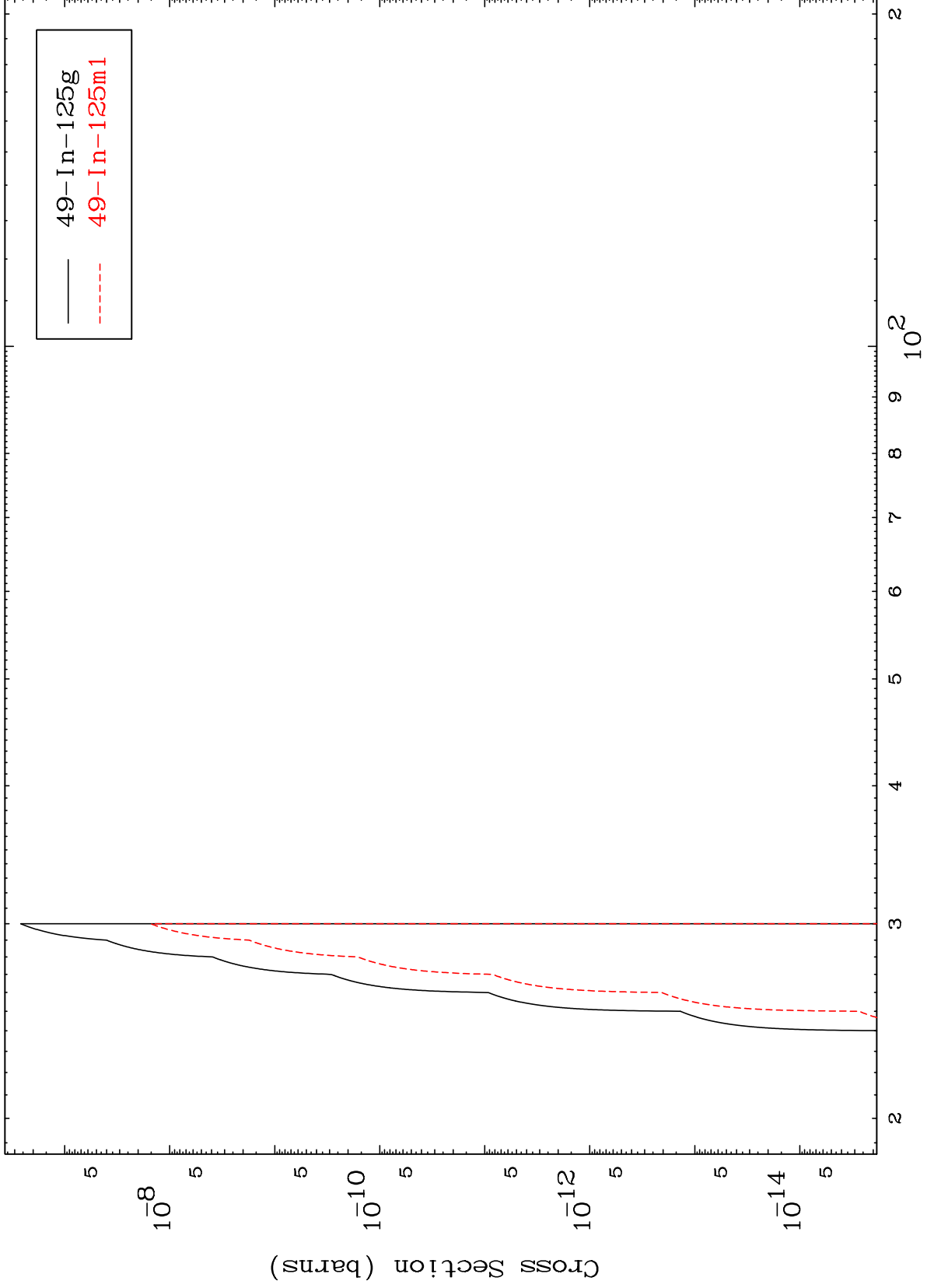
51-Sb-128m

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(n,n') He-3

51-Sb-128m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

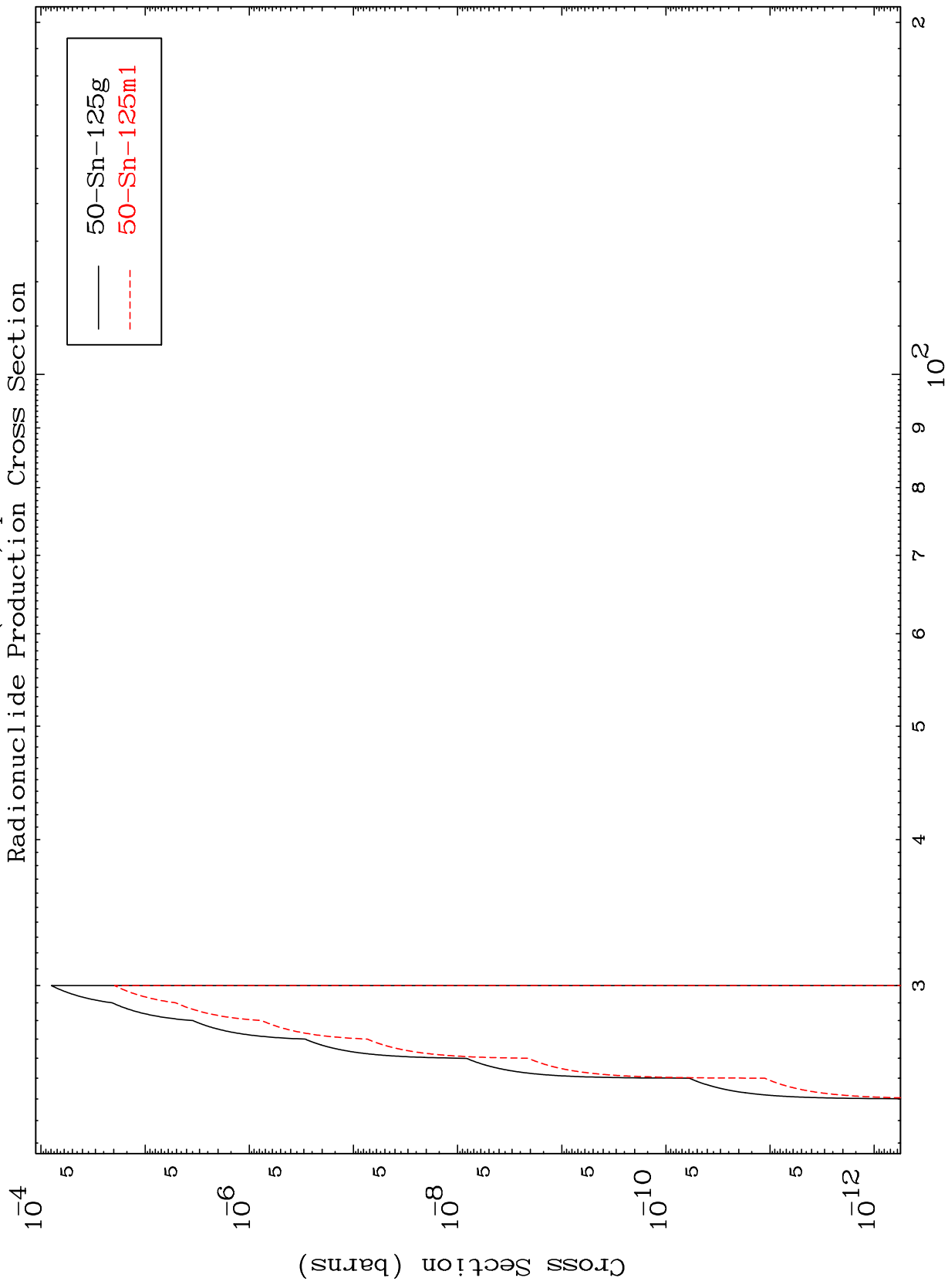
51-Sb-128m

MAT 5147

(n,3n) p

51-Sb-128m

Radionuclide Production Cross Section



28

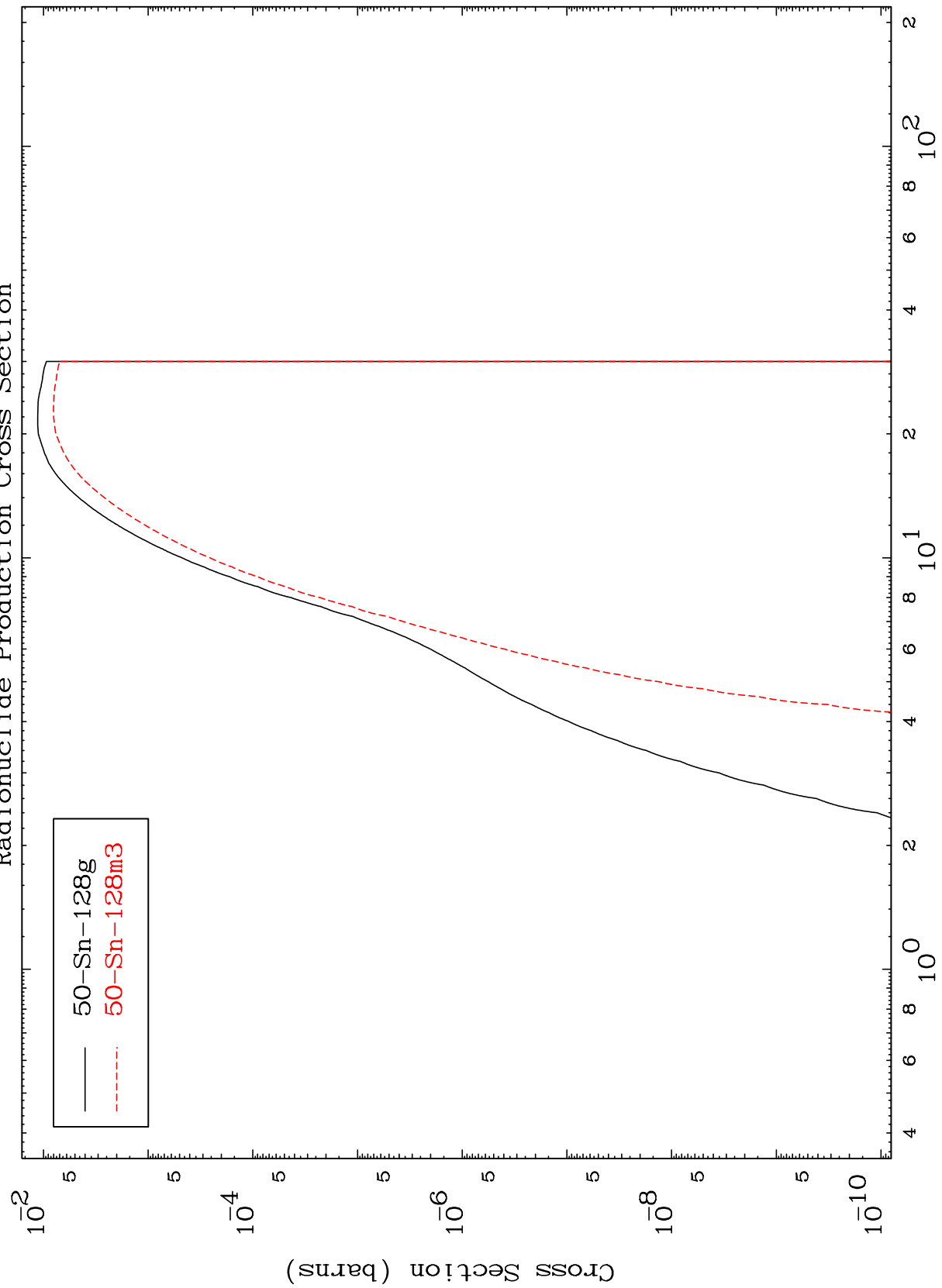
Incident Energy (MeV)

51-Sb-128m

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51-Sb-128m

(n,p)
Radionuclide Production Cross Section



— 50-Sn-128g
- - - 50-Sn-128m3

29

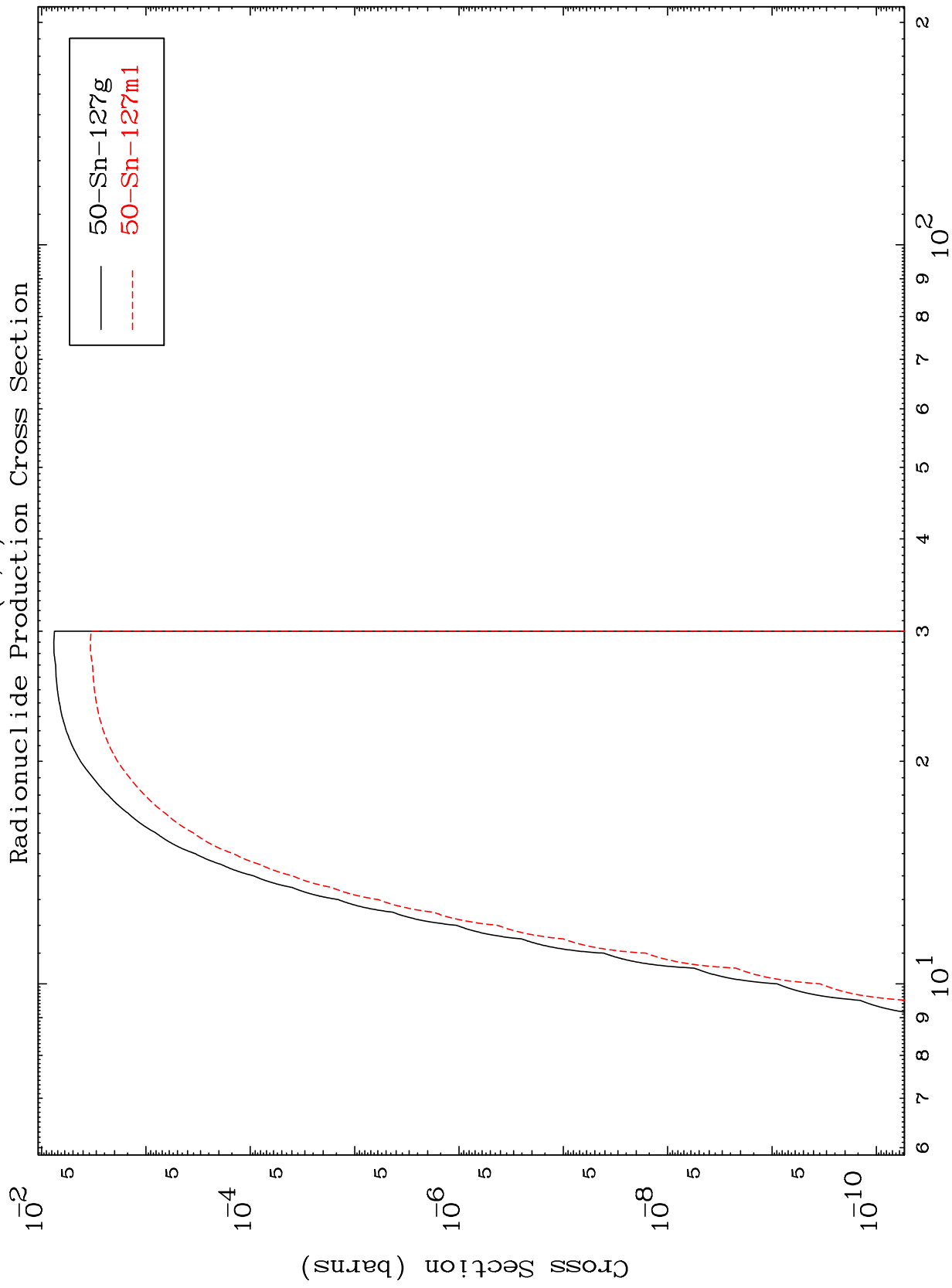
Incident Energy (MeV)

51-Sb-128m

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(n,d)

51-Sb-128m



30

Incident Energy (MeV)

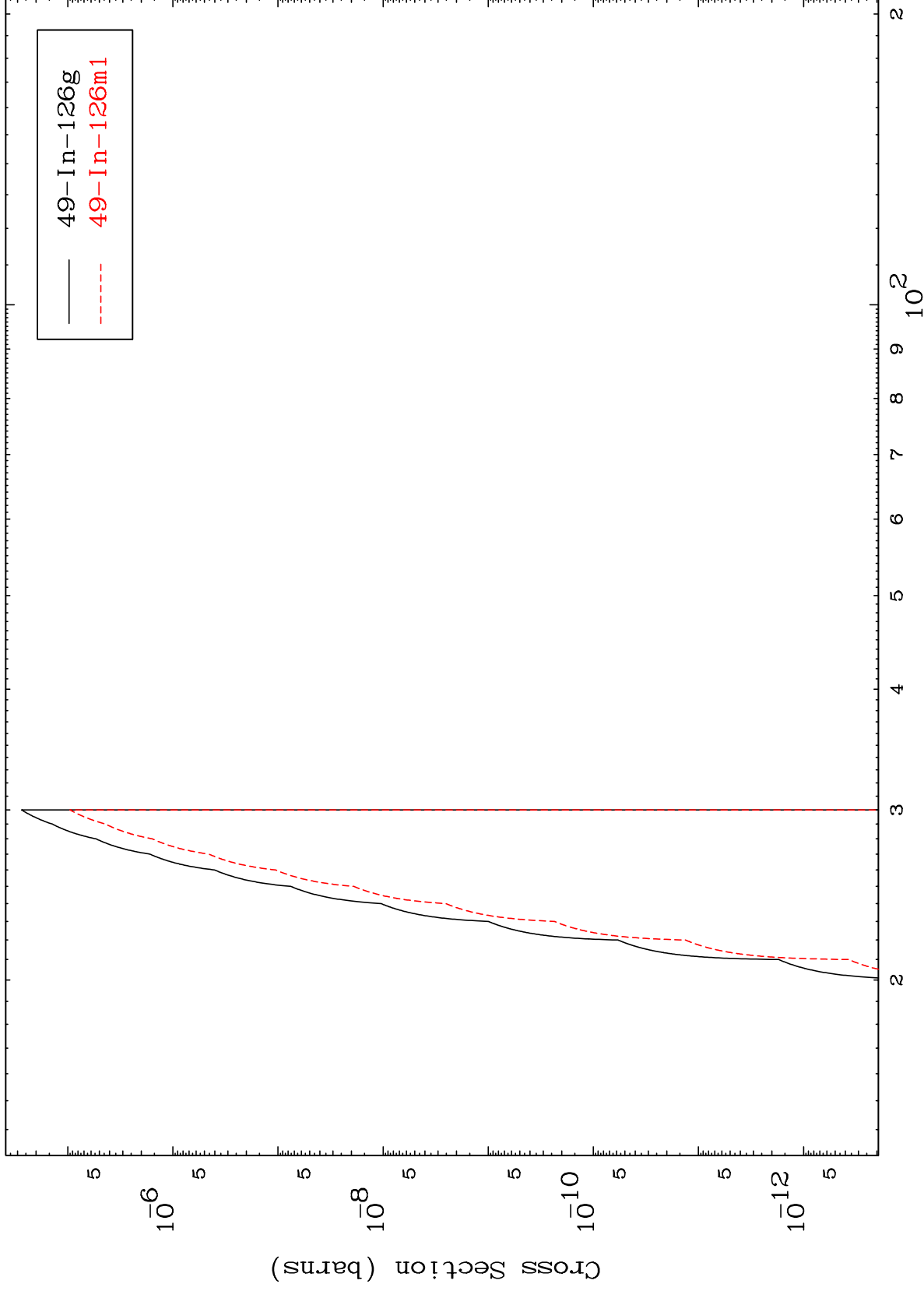
51-Sb-128m

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(n,He-3)

51-Sb-128m

Radionuclide Production Cross Section

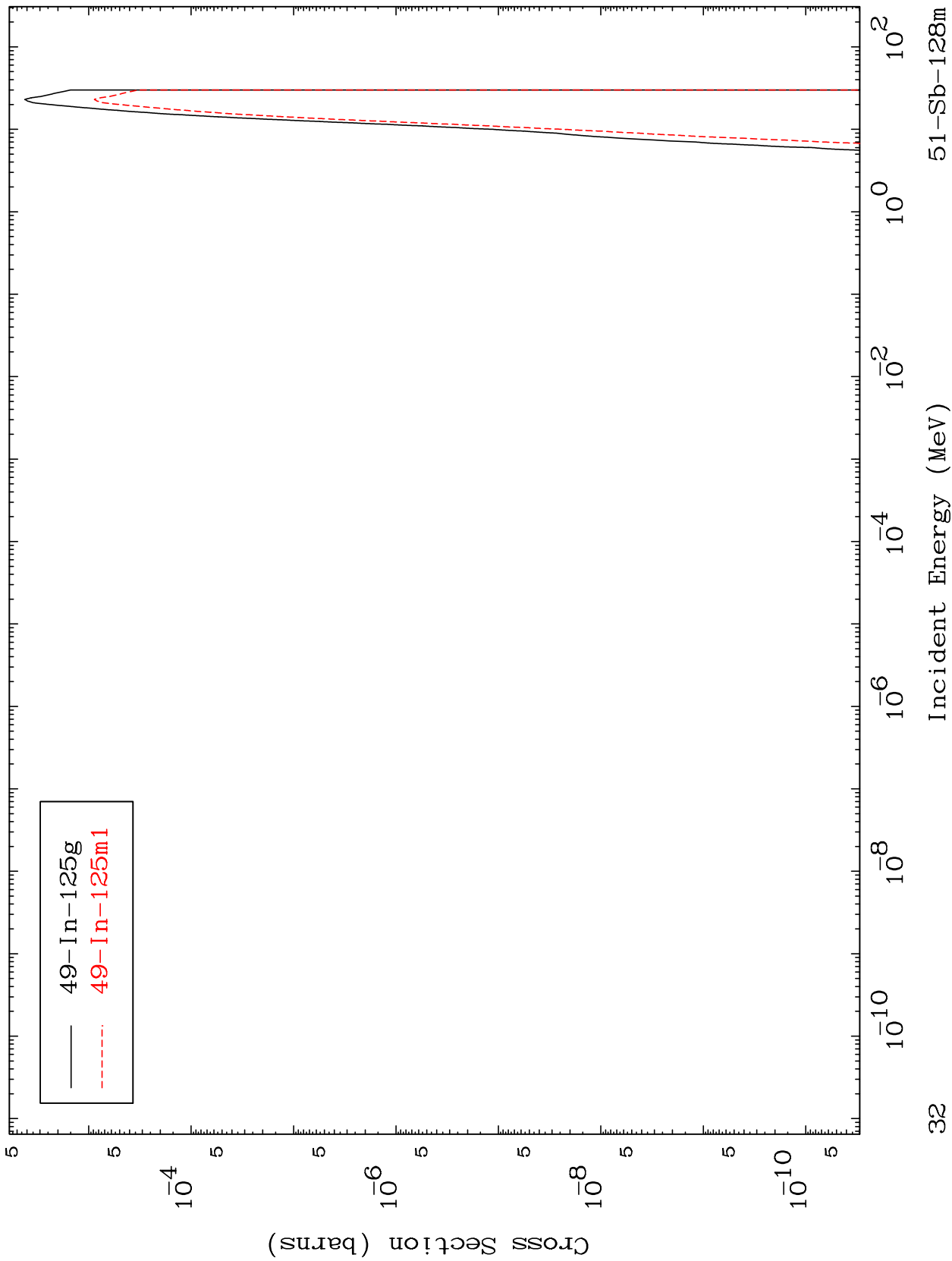


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(n, α)

51-Sb-128m

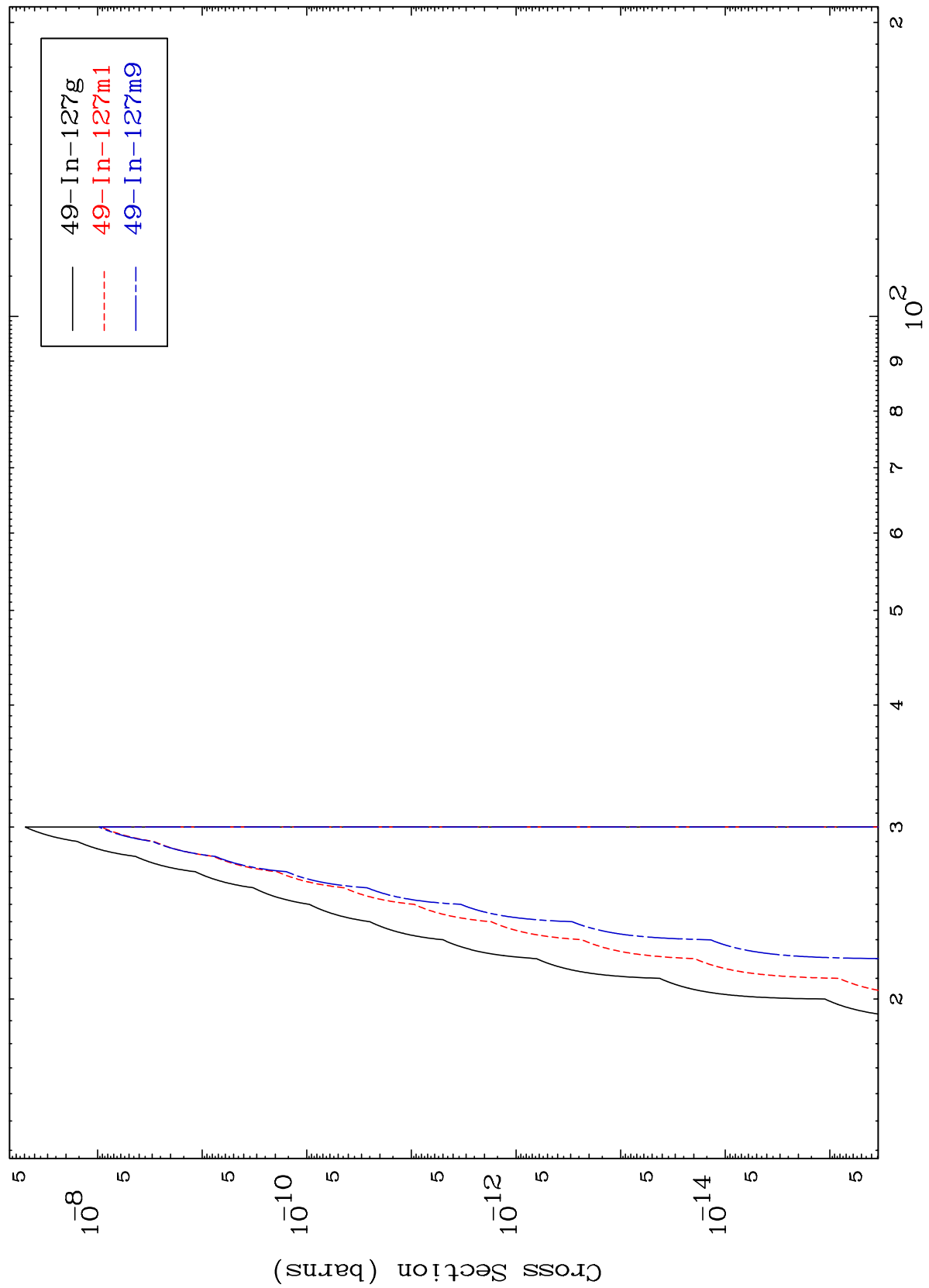
Radionuclide Production Cross Section



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51-Sb-128m

(n,2p)
Radionuclide Production Cross Section



51-Sb-128m

Incident Energy (MeV)

33