

Program EVALPLOT
(Version 2017-1)

by

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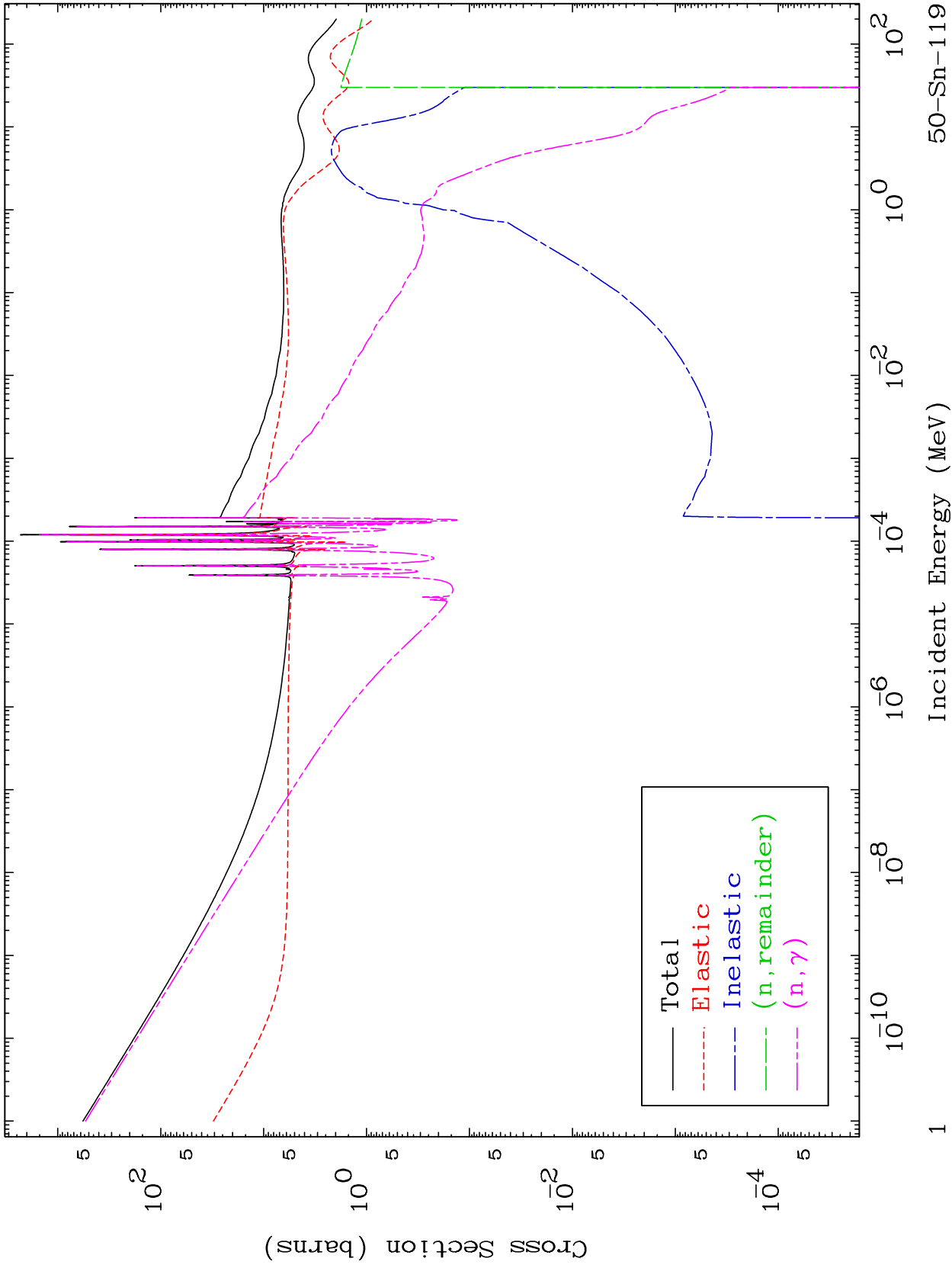
Press Mouse Button to Start

MAT 5047

Major

293 Kelvin Cross Sections

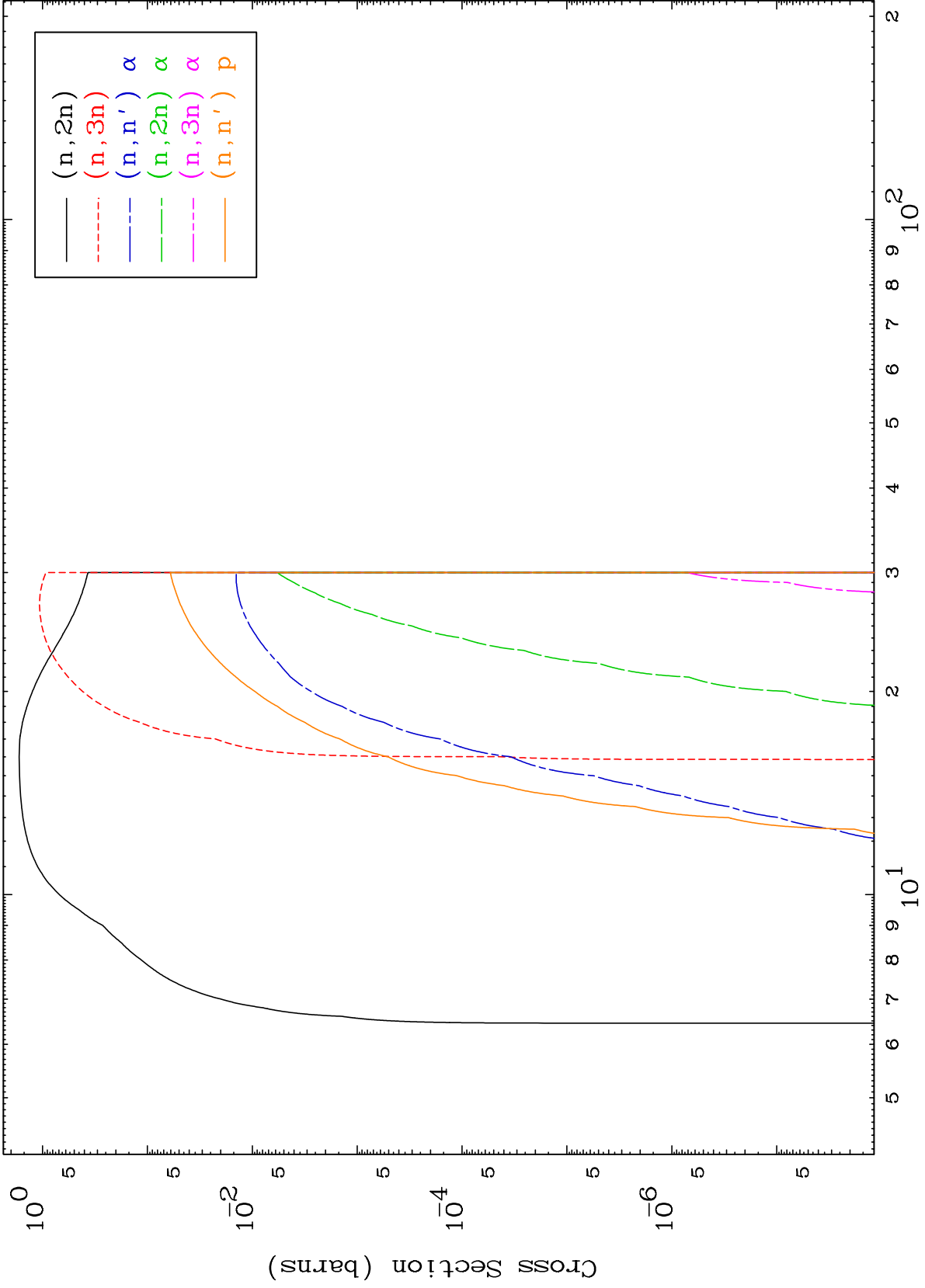
50-Sn-119



MAT 5047

Neutron Production
293 Kelvin Cross Sections

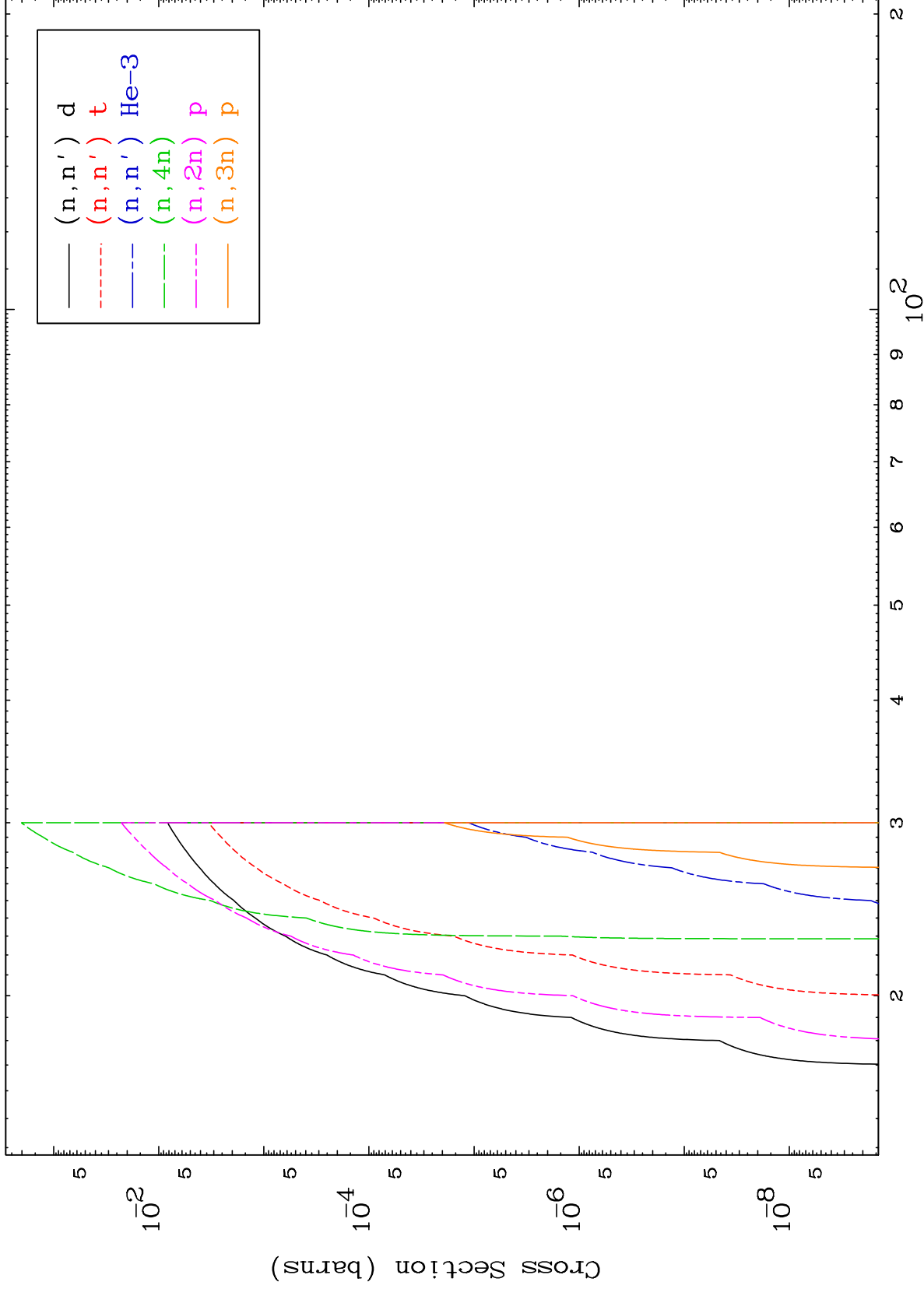
50-Sn-119

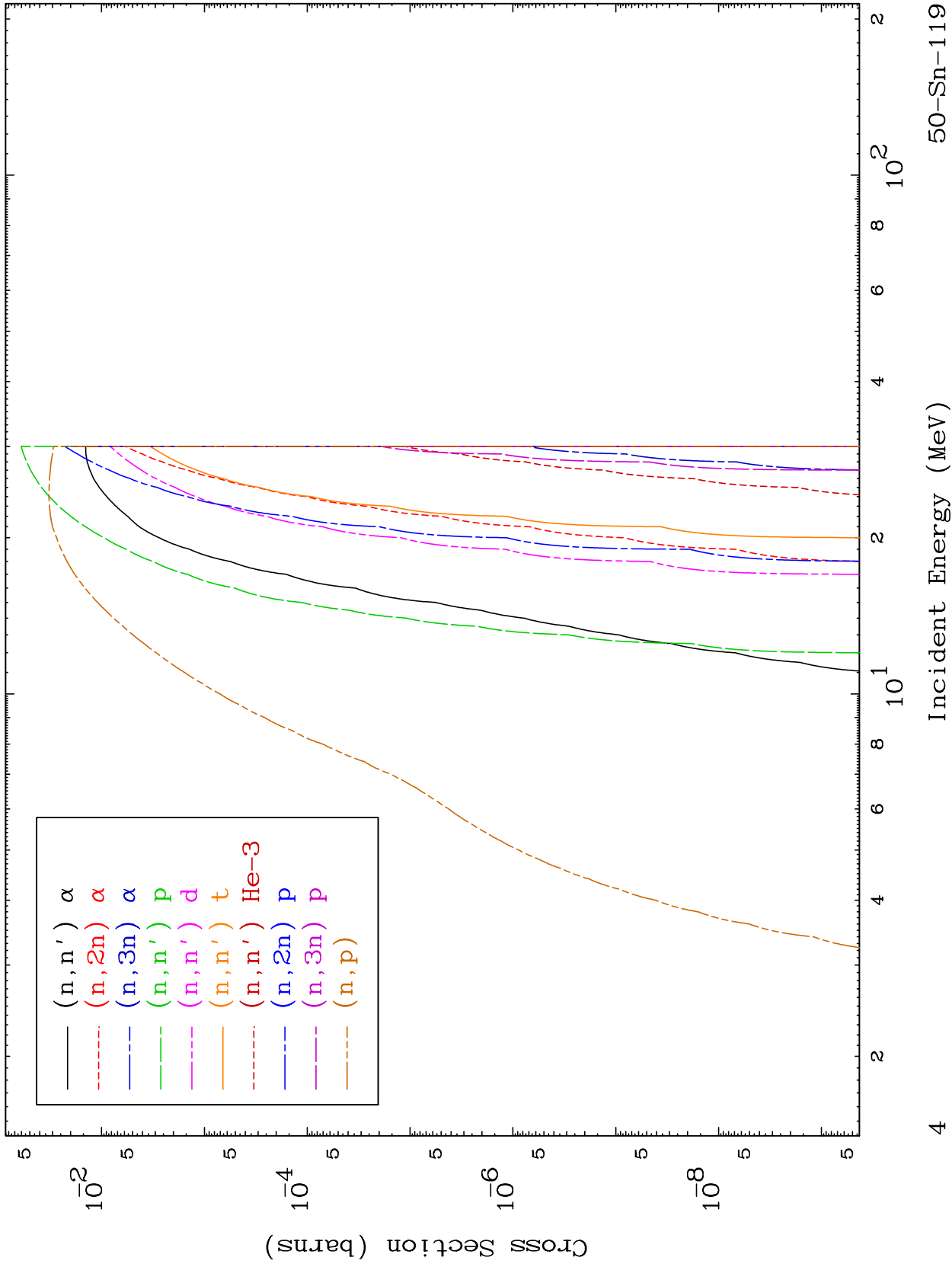


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Incident Energy (MeV)

50-Sn-119

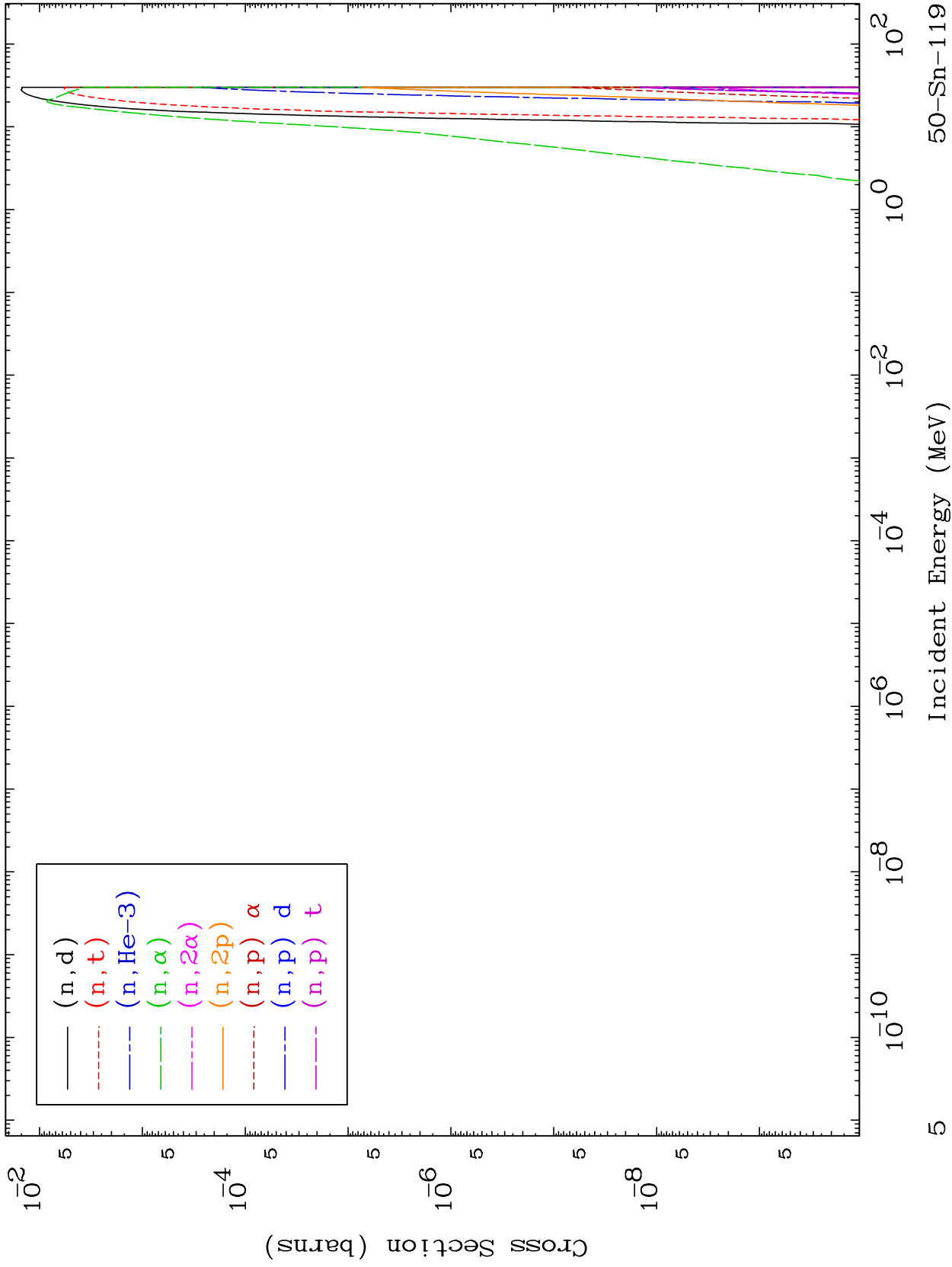




MAT 5047

Charged Particle
293 Kelvin Cross Sections

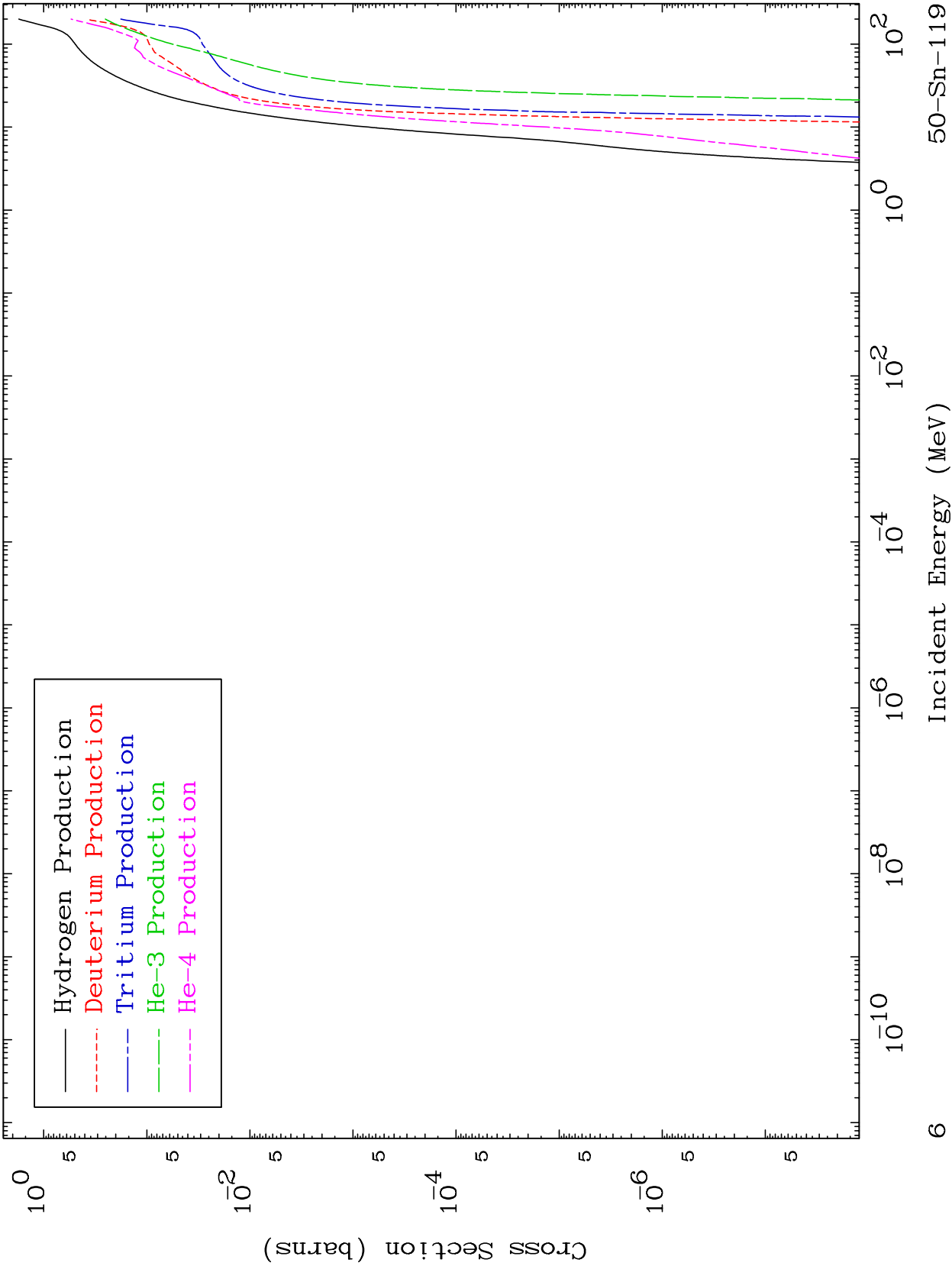
50-Sn-119



MAT 5047

Particle Production
293 Kelvin Cross Sections

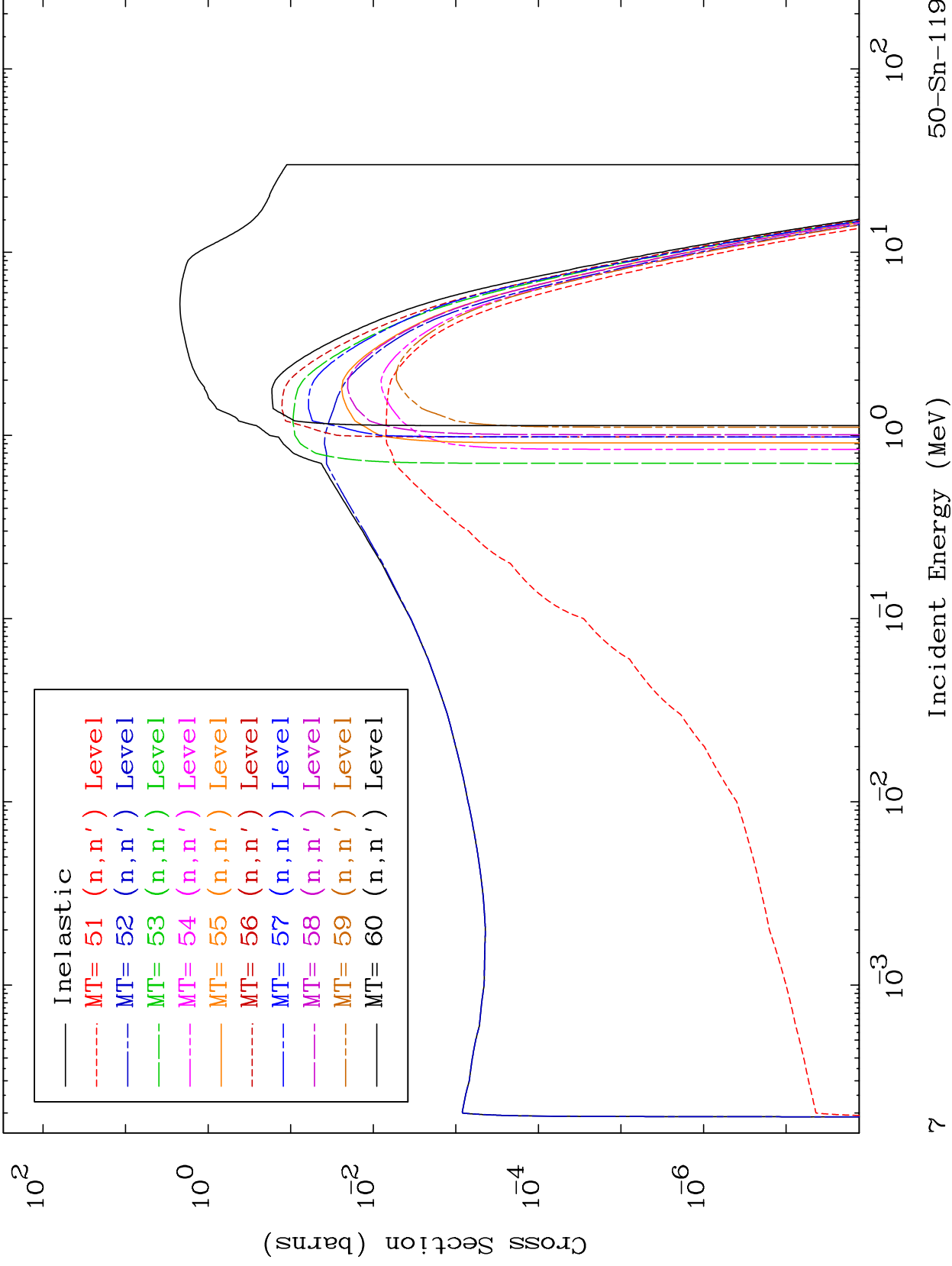
50-Sn-119



MAT 5047

(n,n') Level
293 Kelvin Cross Sections

50-Sn-119

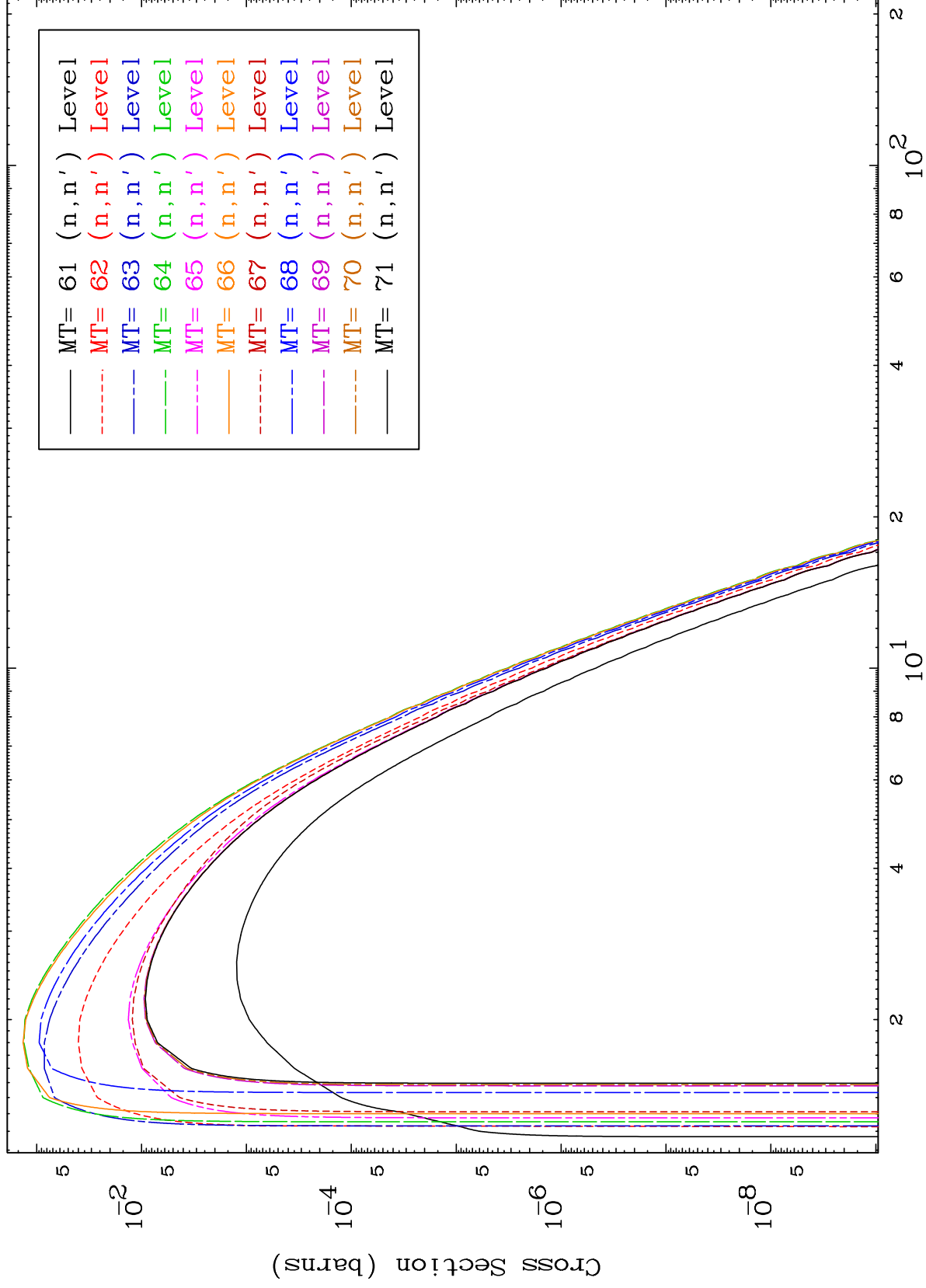


MAT 5047

(n,n') Level

293 Kelvin Cross Sections

50-Sn-119

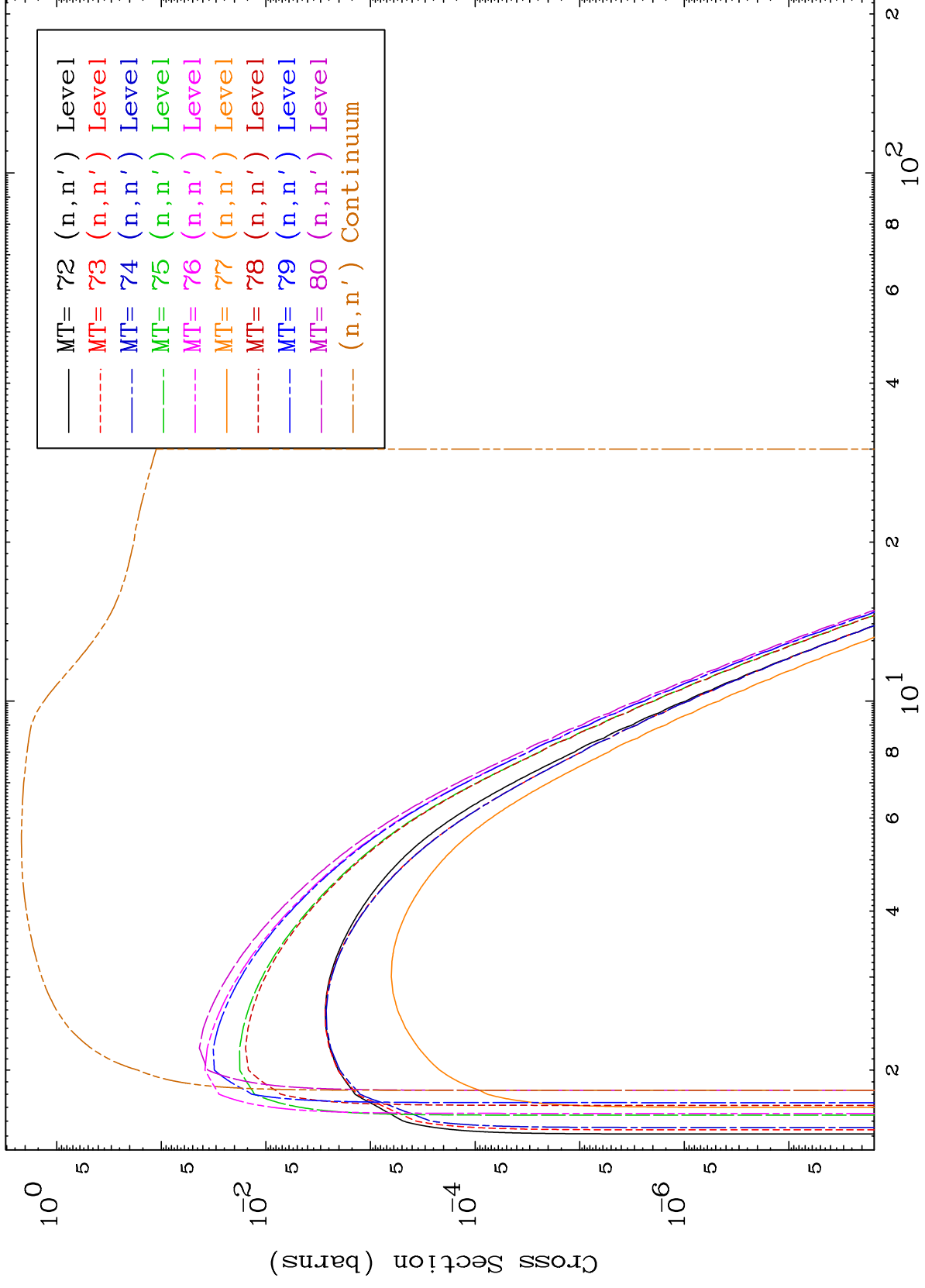


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Incident Energy (MeV)

50-Sn-119

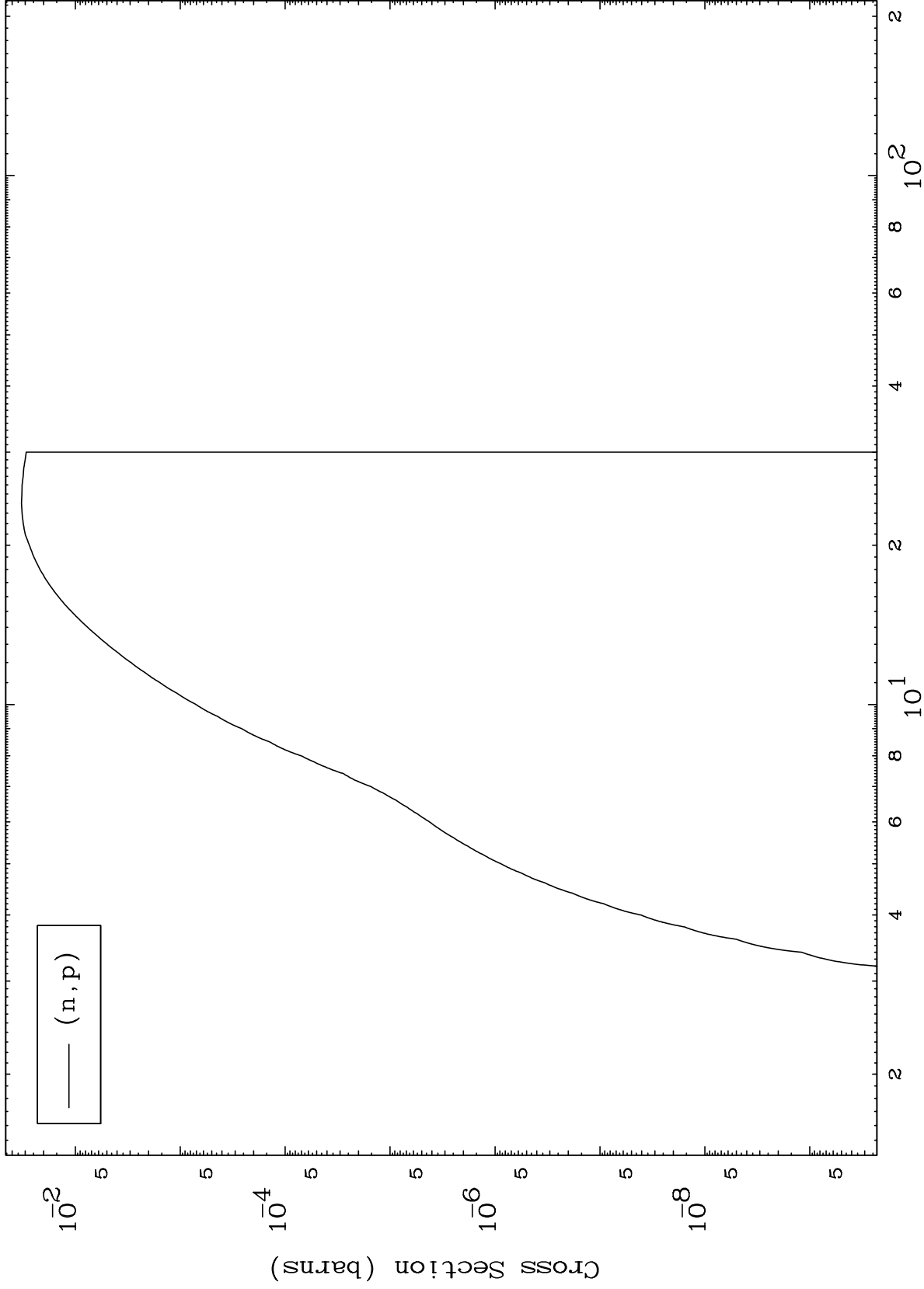
293 Kelvin Cross Sections



MAT 5047

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-119



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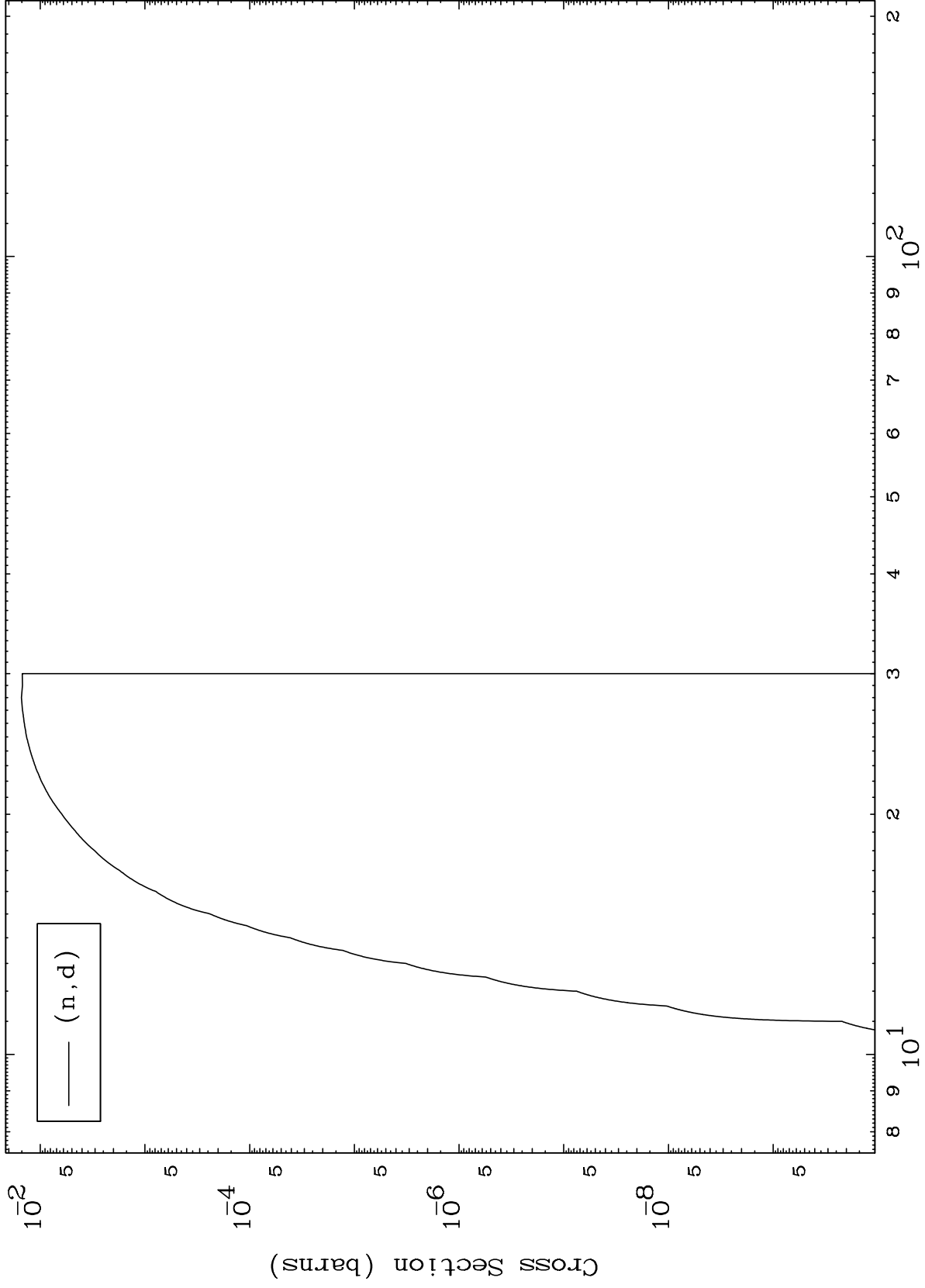
Incident Energy (MeV)

50-Sn-119

MAT 5047

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-119



11

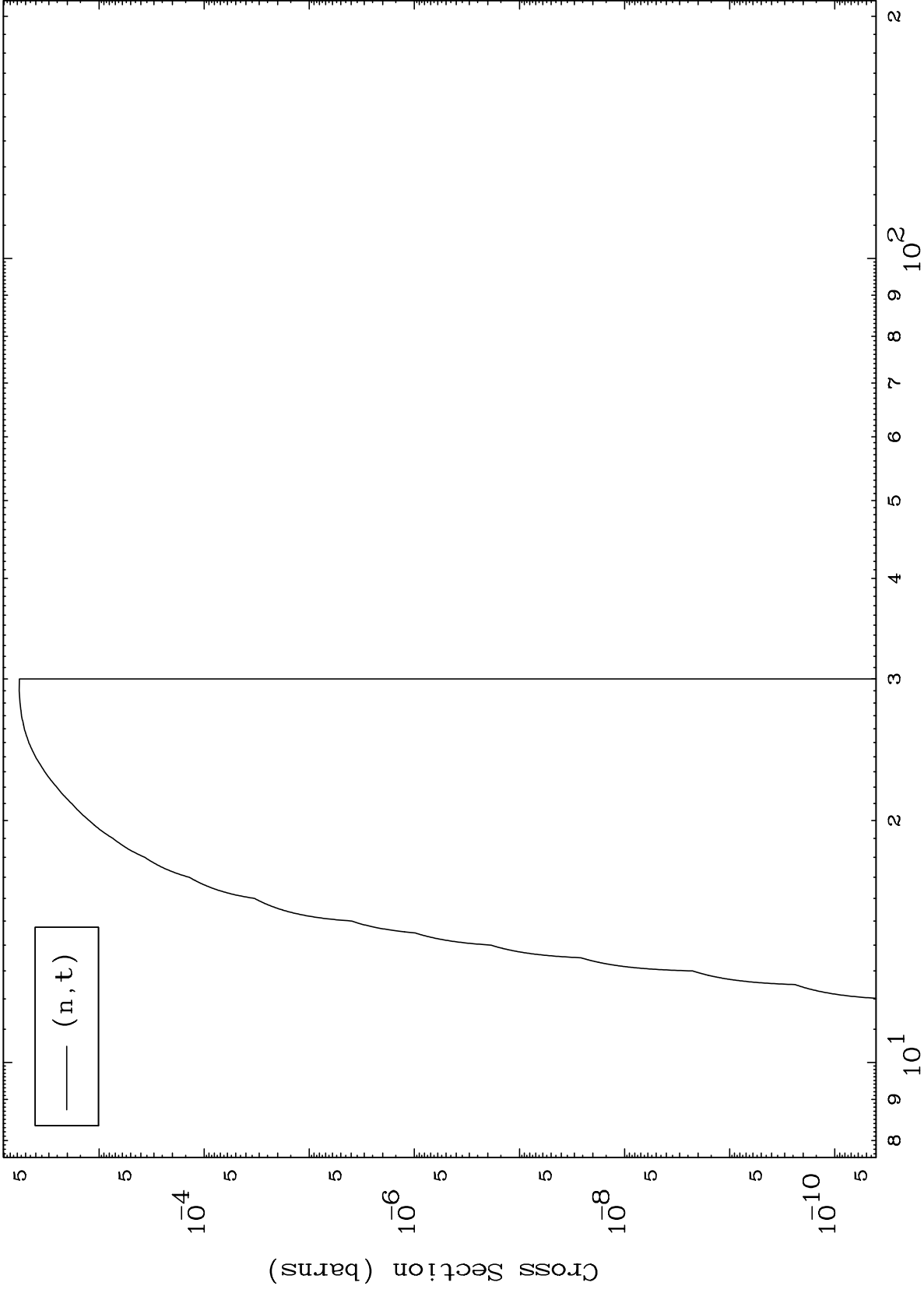
Incident Energy (MeV)

50-Sn-119

MAT 5047

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-119



12

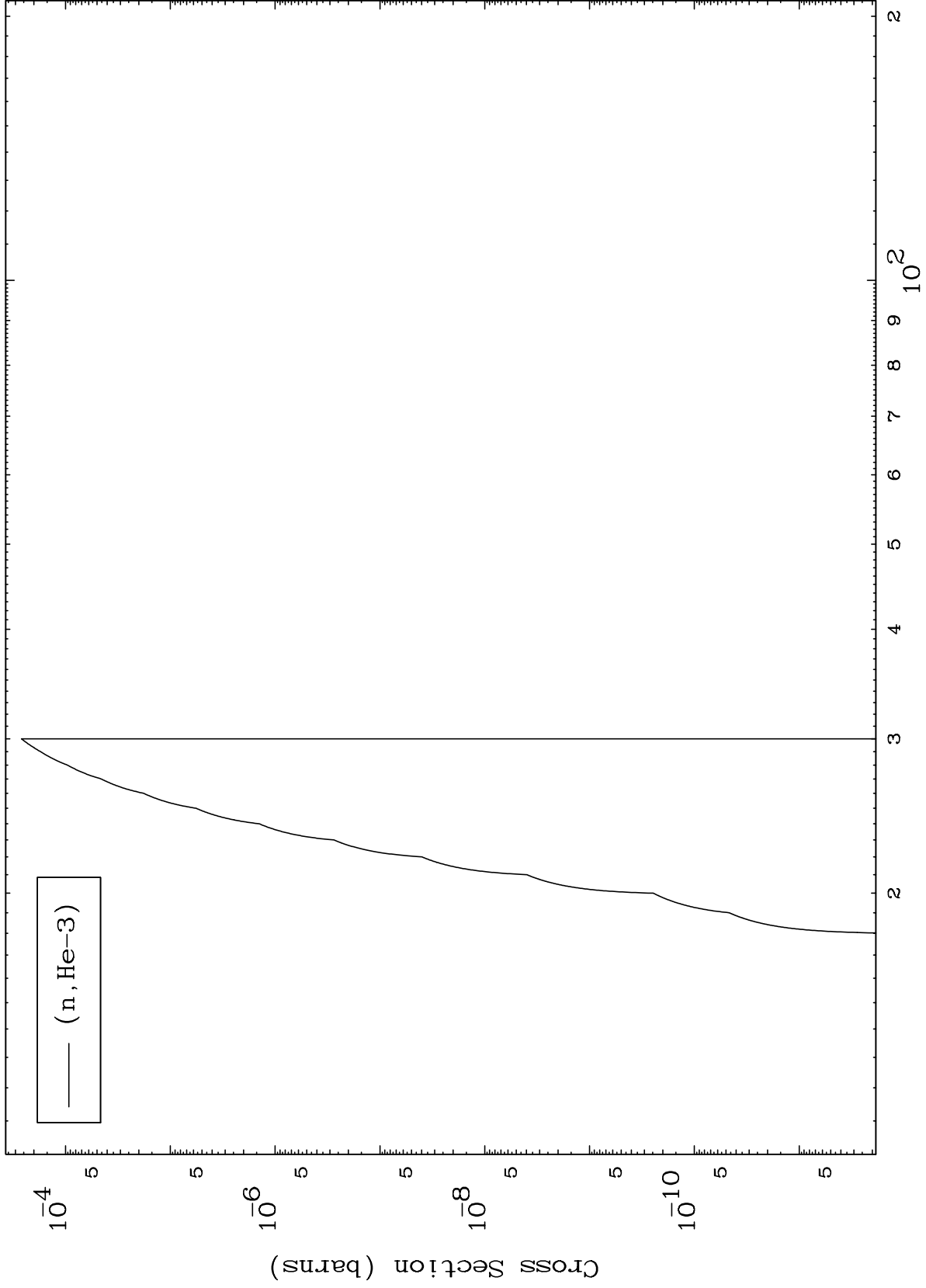
Incident Energy (MeV)

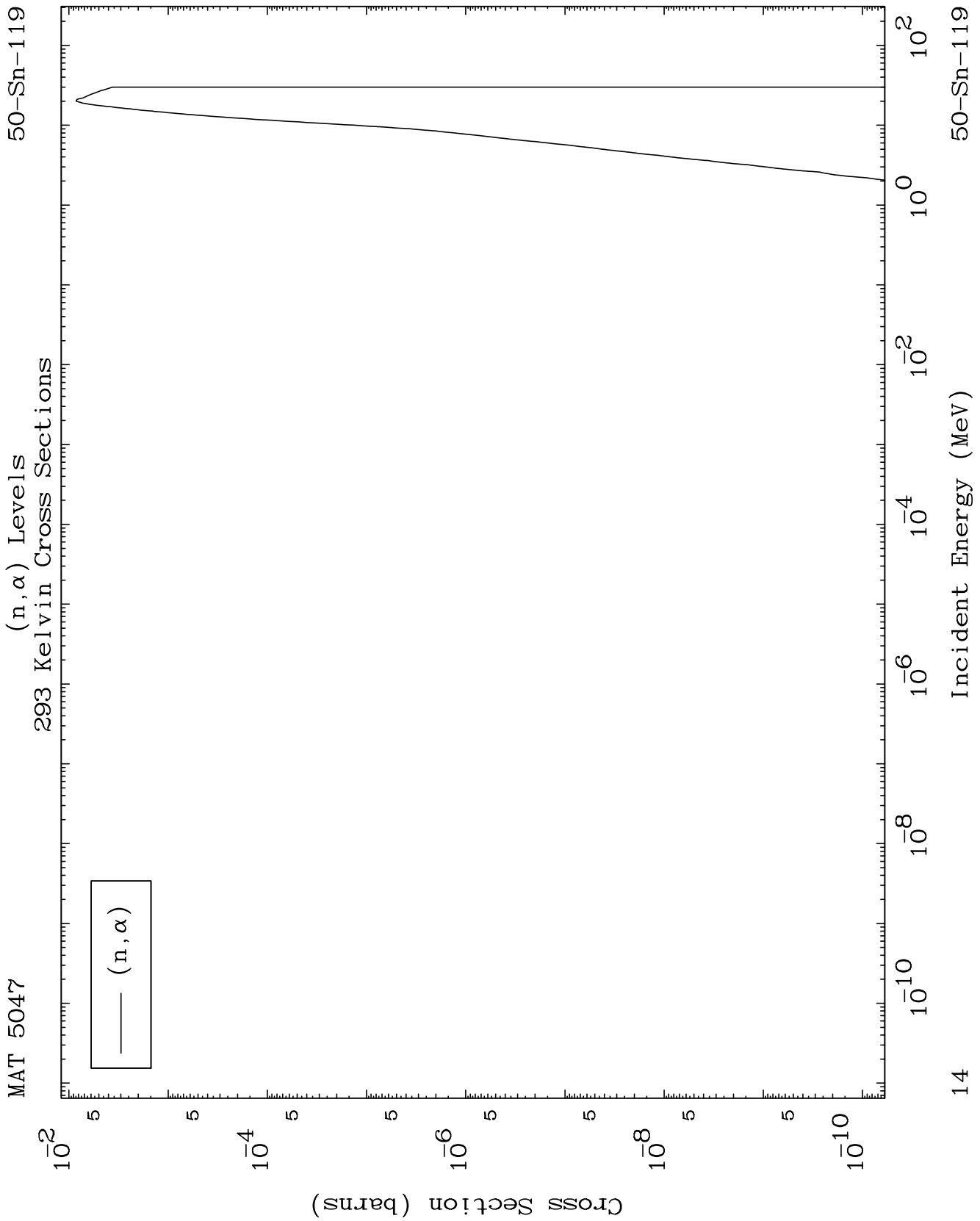
50-Sn-119

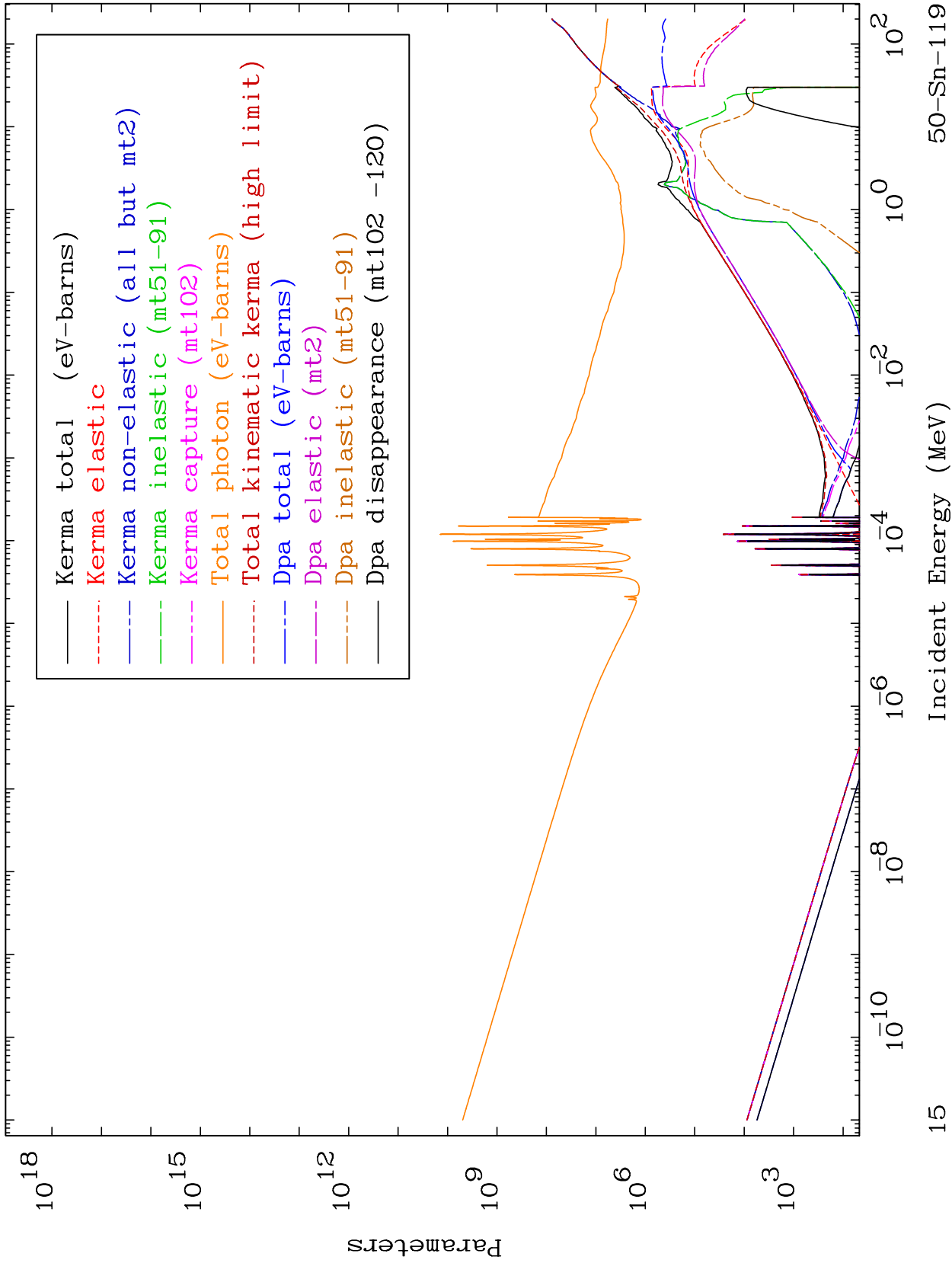
MAT 5047

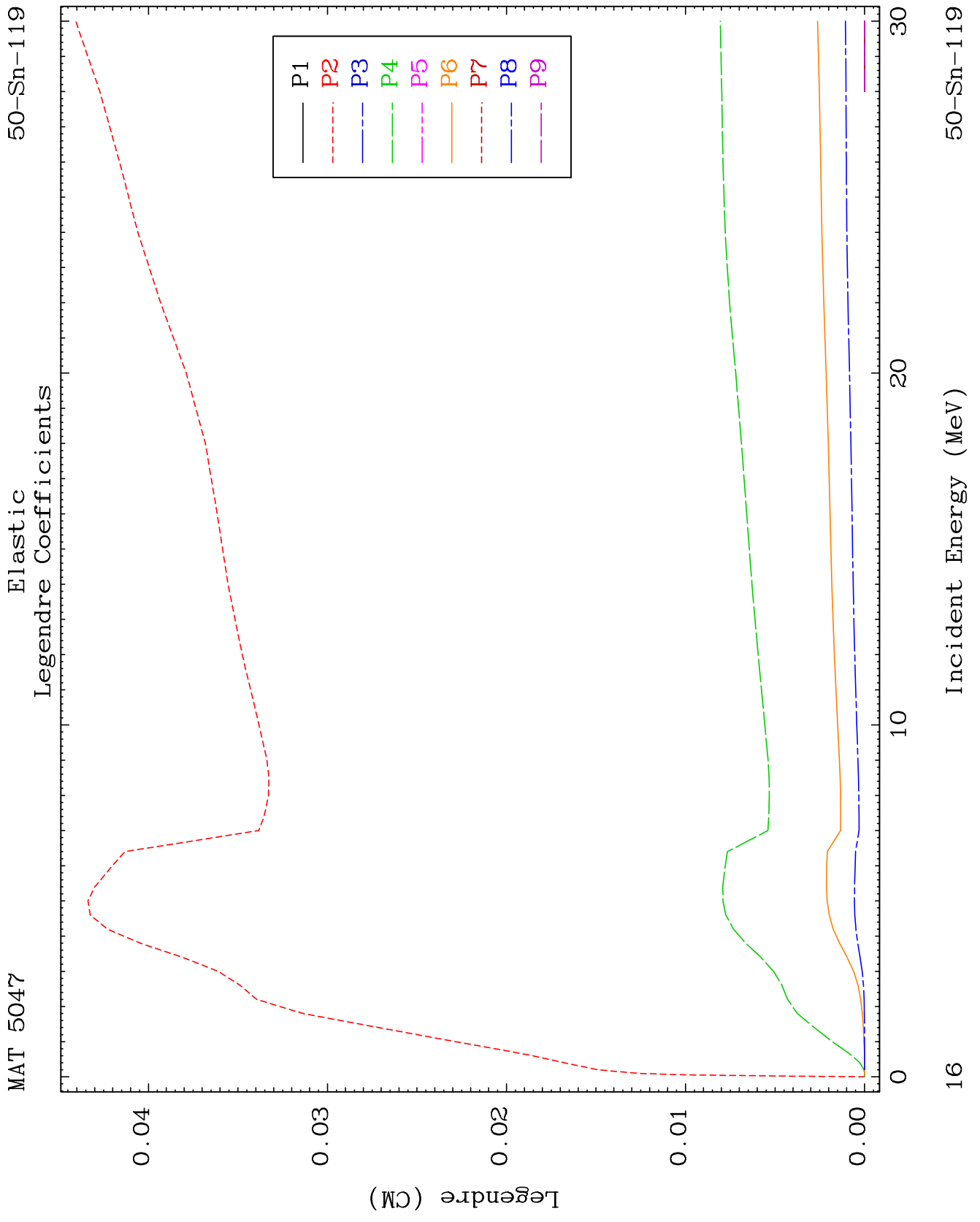
(n,He3) Levels
293 Kelvin Cross Sections

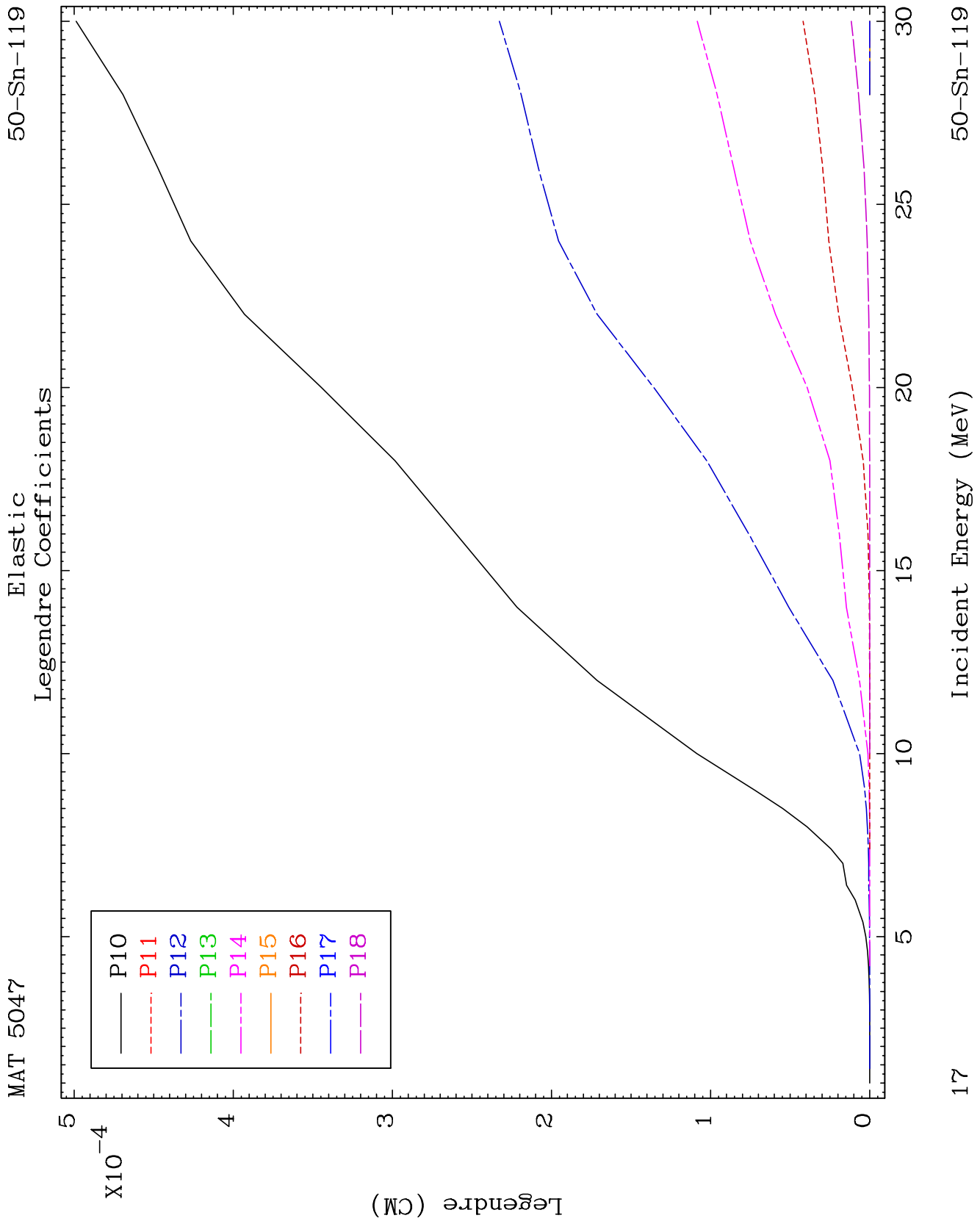
50-Sn-119







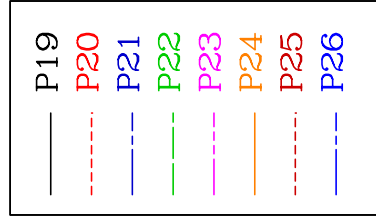




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Elastic
Legendre Coefficients

50-Sn-119



$\times 10^{-7}$

Legendre (CM)

4

2

0

15

20

25

30

18

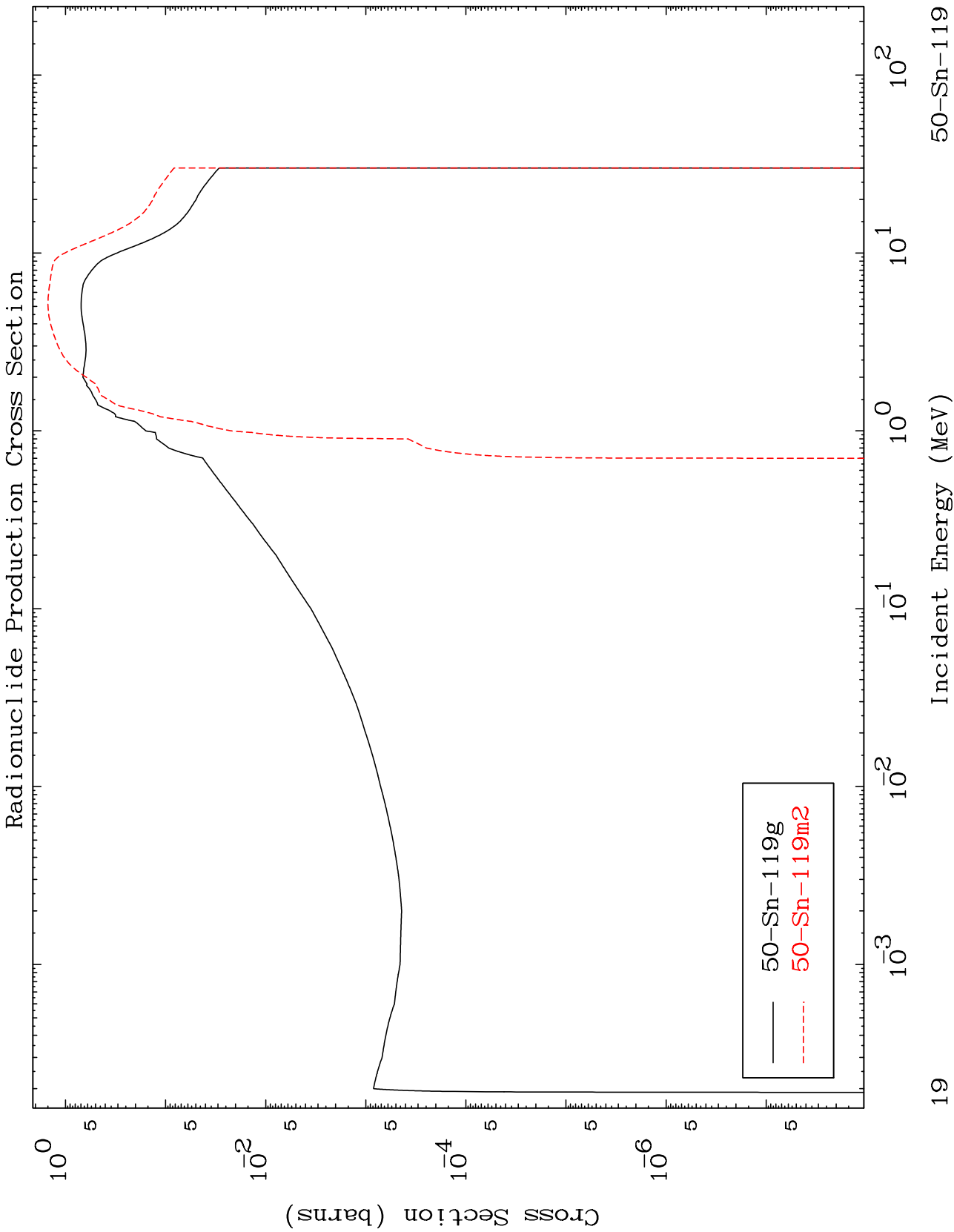
Incident Energy (MeV)

50-Sn-119

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50-Sn-119

Inelastic
Radionuclide Production Cross Section

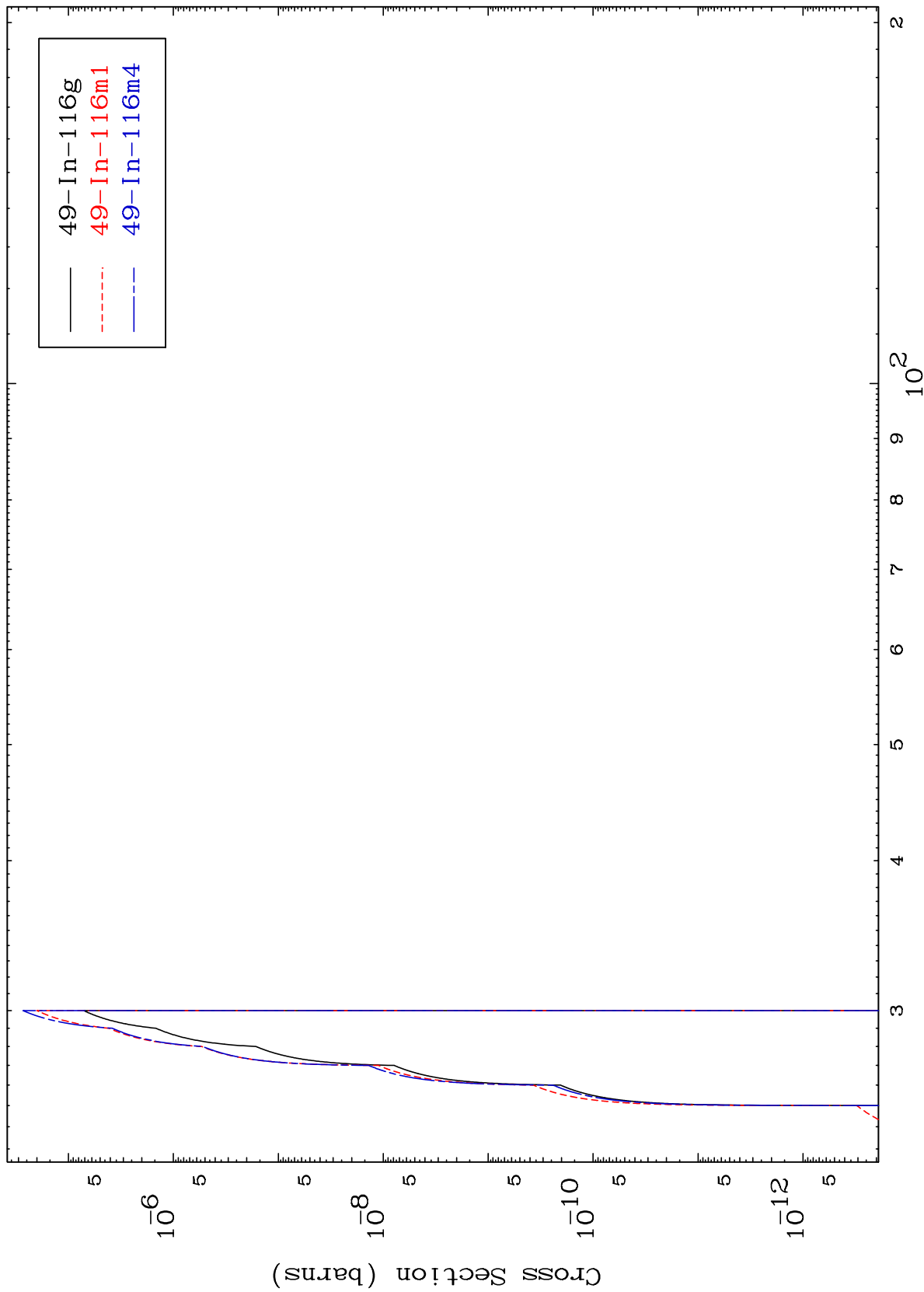


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(n,2n) d

50-Sn-119

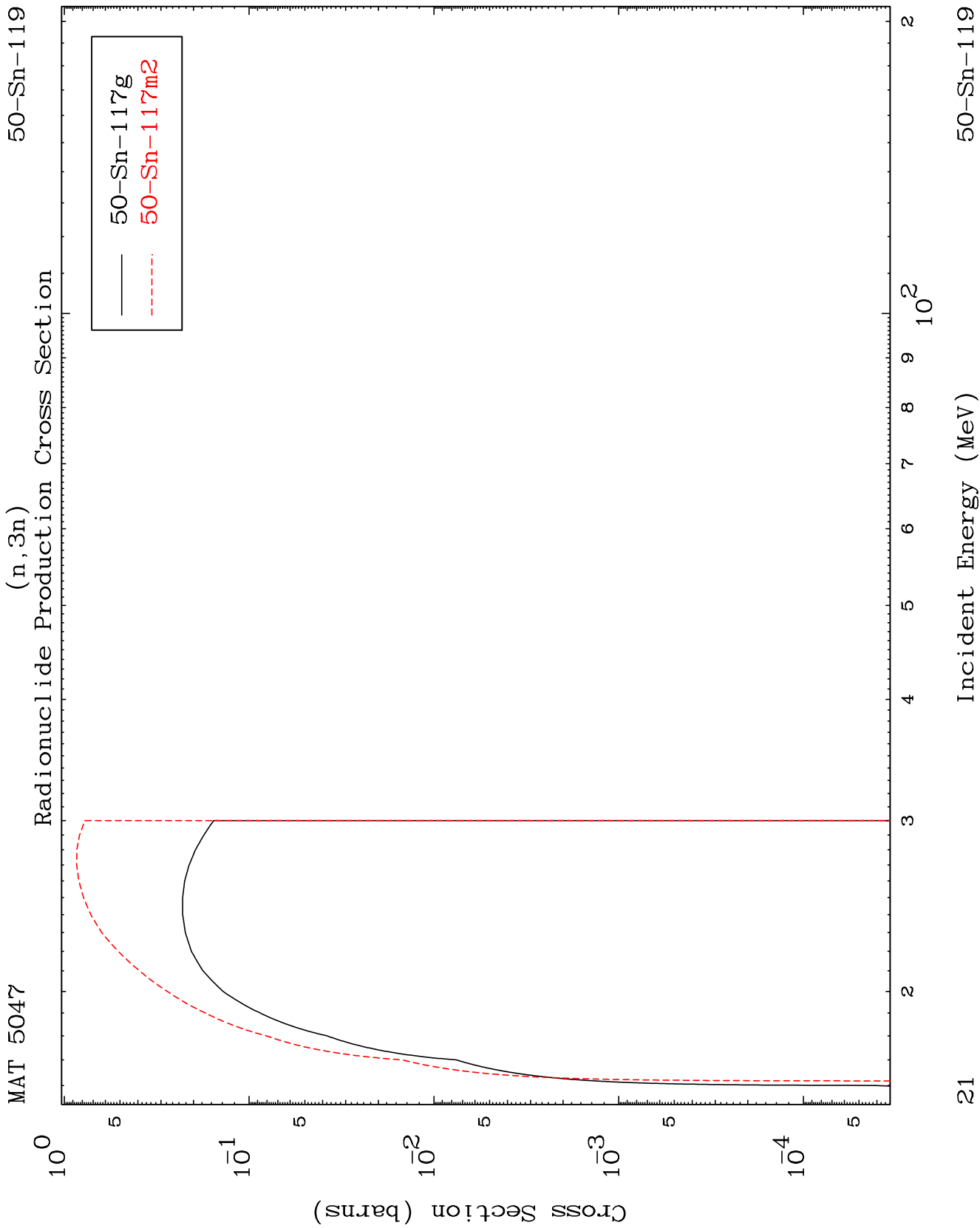
Radionuclide Production Cross Section



20

Incident Energy (MeV)

50-Sn-119

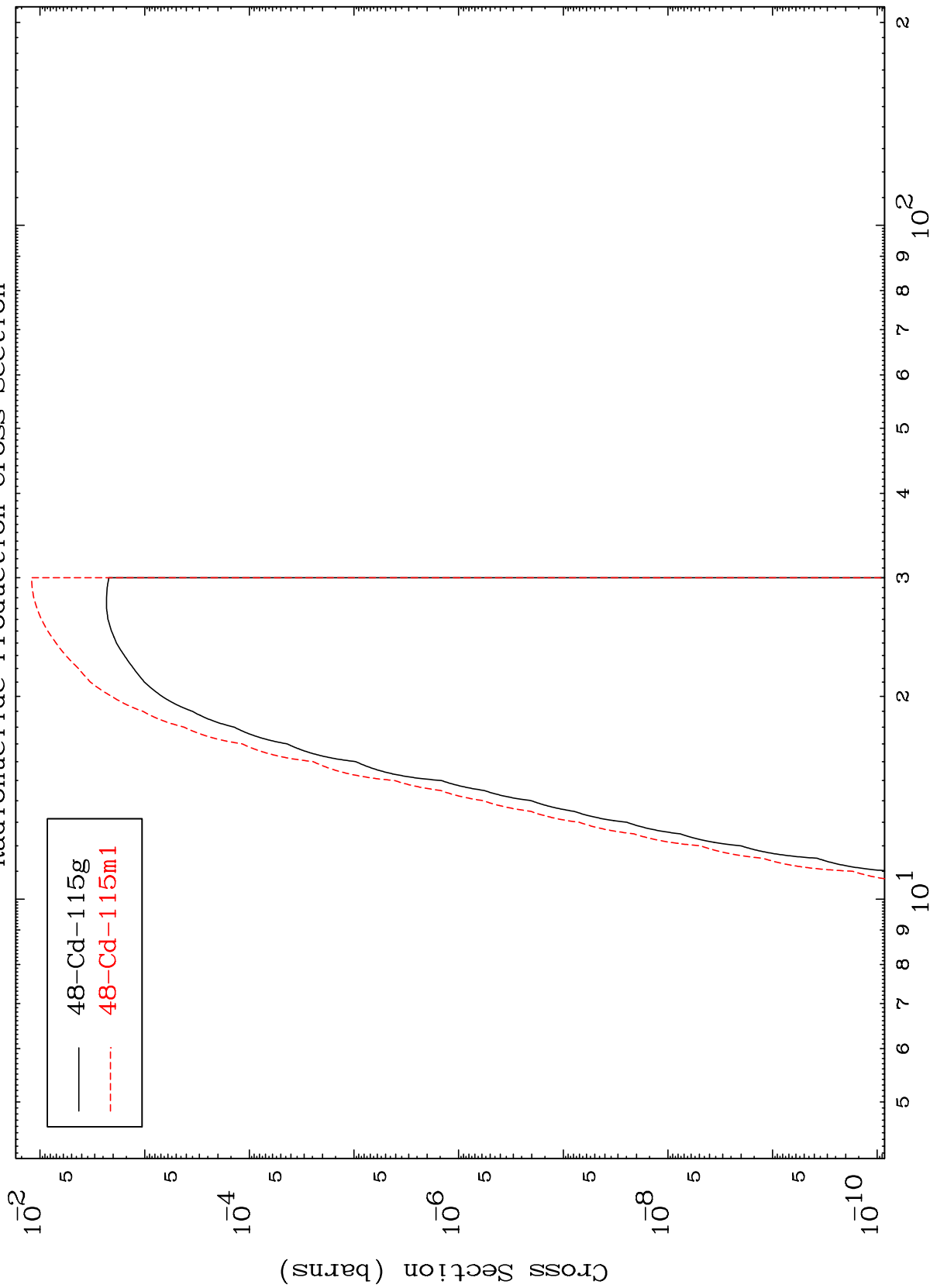


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(n,n') α

50-Sn-119

Radionuclide Production Cross Section



Incident Energy (MeV)

50-Sn-119

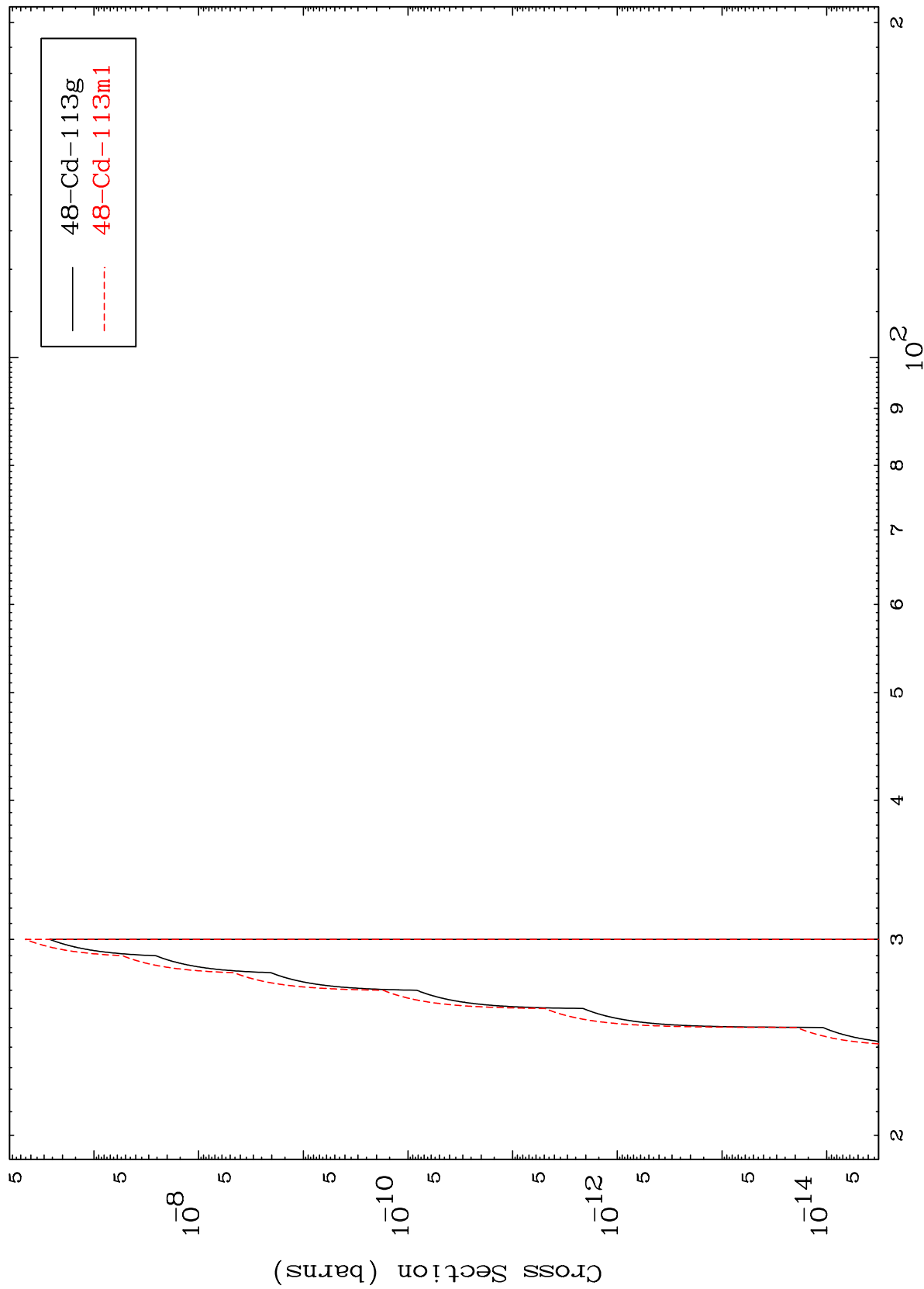
22

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(n,3n) α

50-Sn-119

Radionuclide Production Cross Section



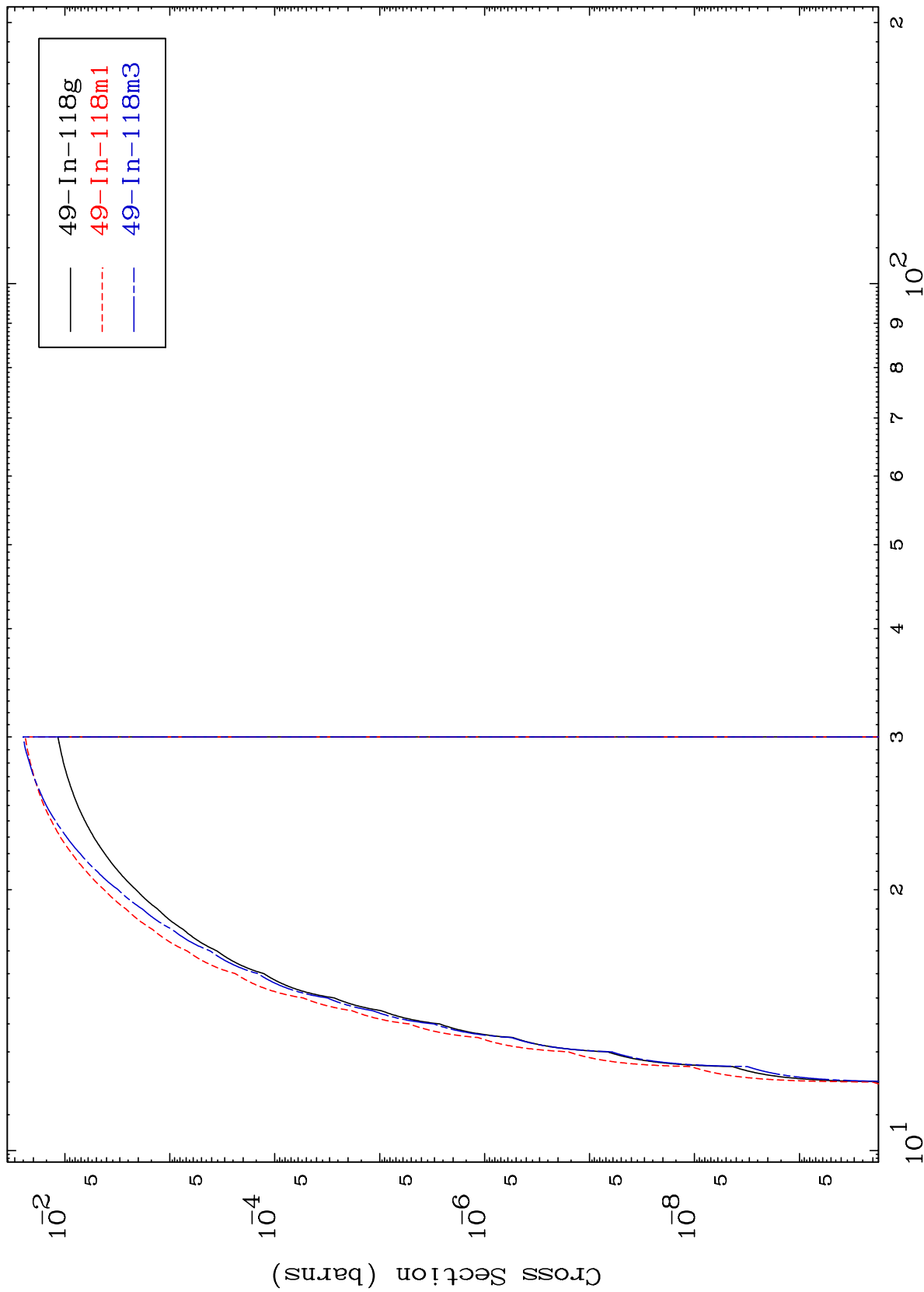
48-Cd-113g
48-Cd-113m1

MAT 5047

(n,n') p

50-Sn-119

Radionuclide Production Cross Section



Incident Energy (MeV)

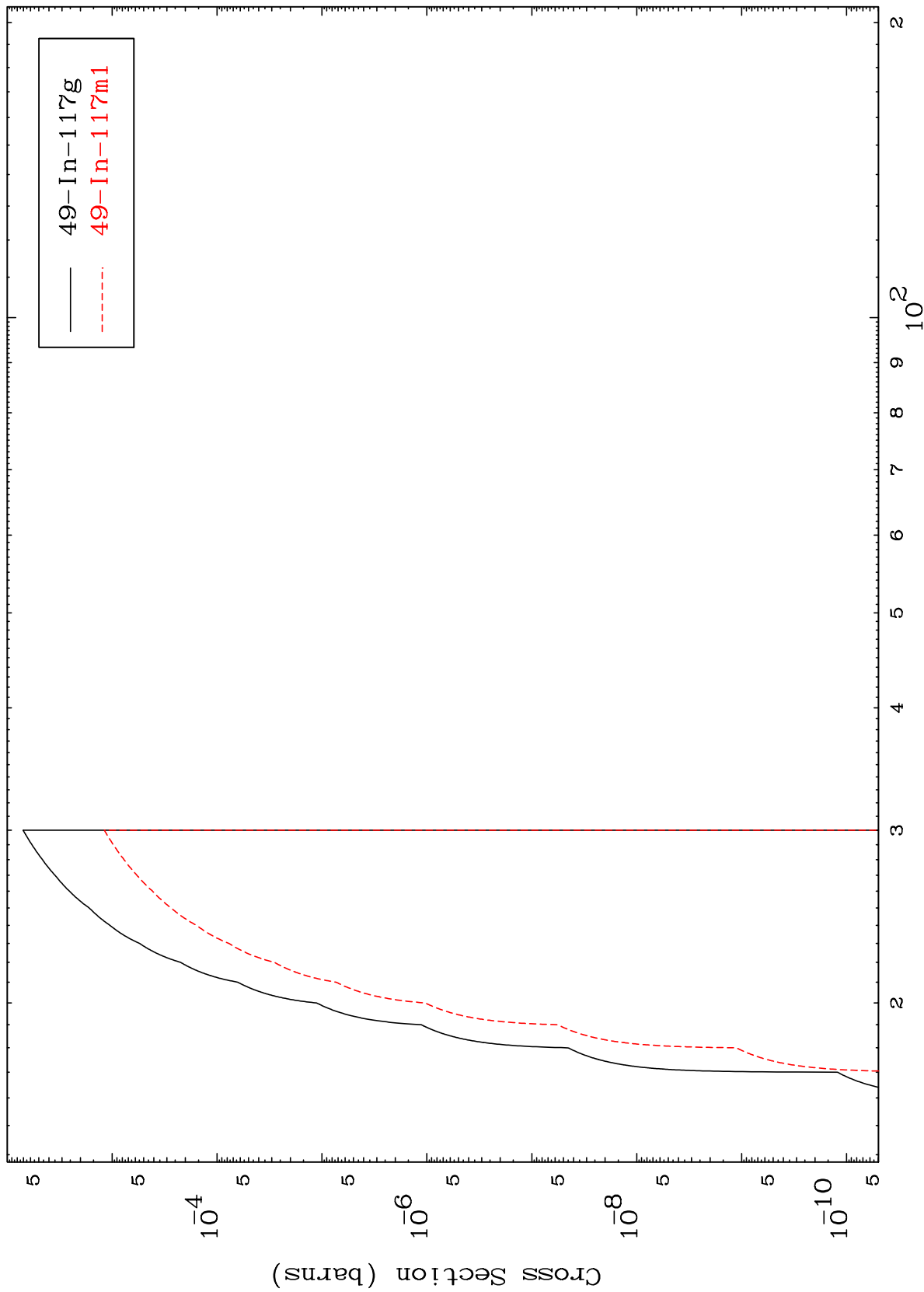
50-Sn-119

MAT 5047

(n,n') d

50-Sn-119

Radionuclide Production Cross Section



25

Incident Energy (MeV)

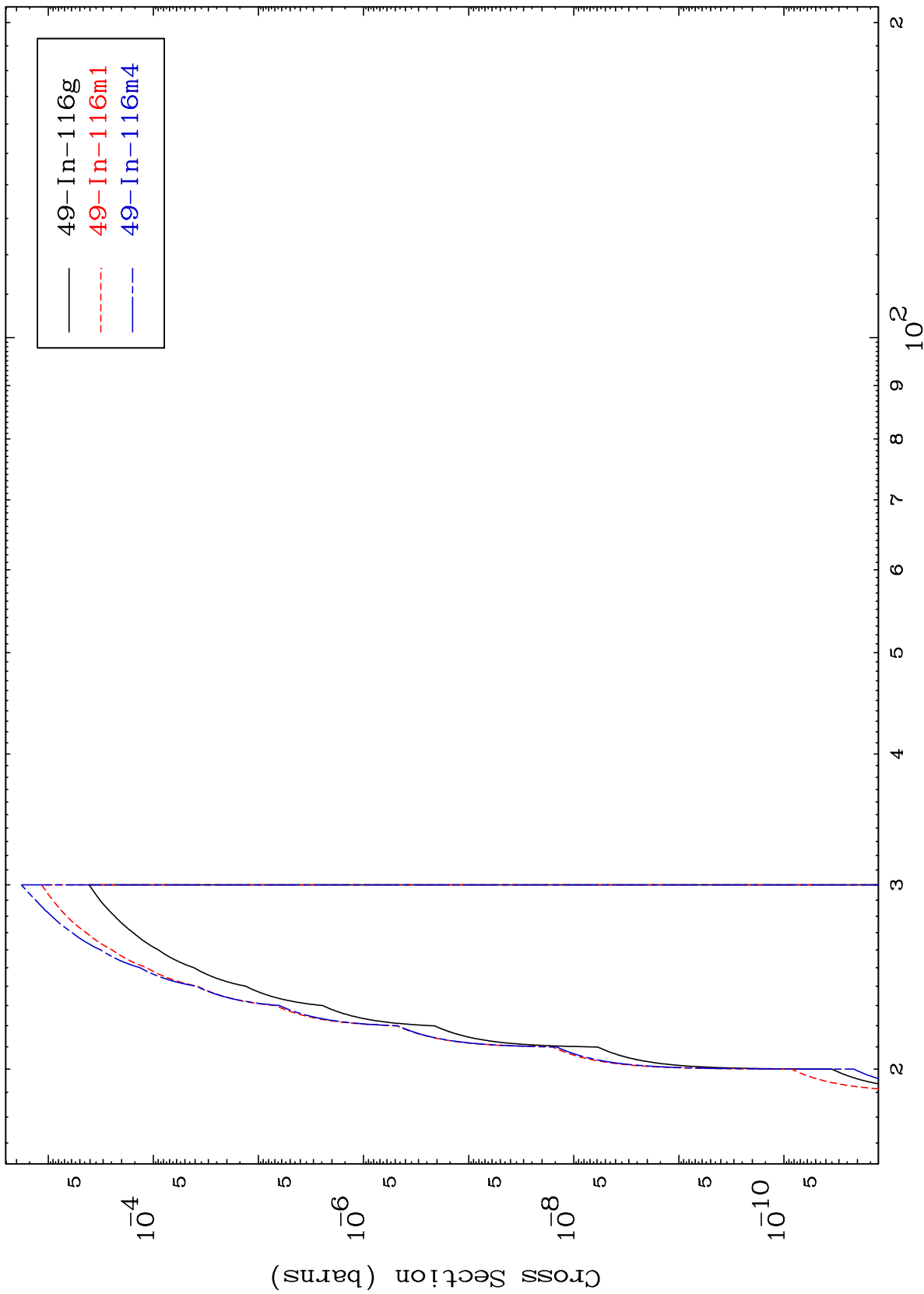
50-Sn-119

MAT 5047

(n,n') t

50-Sn-119

Radionuclide Production Cross Section

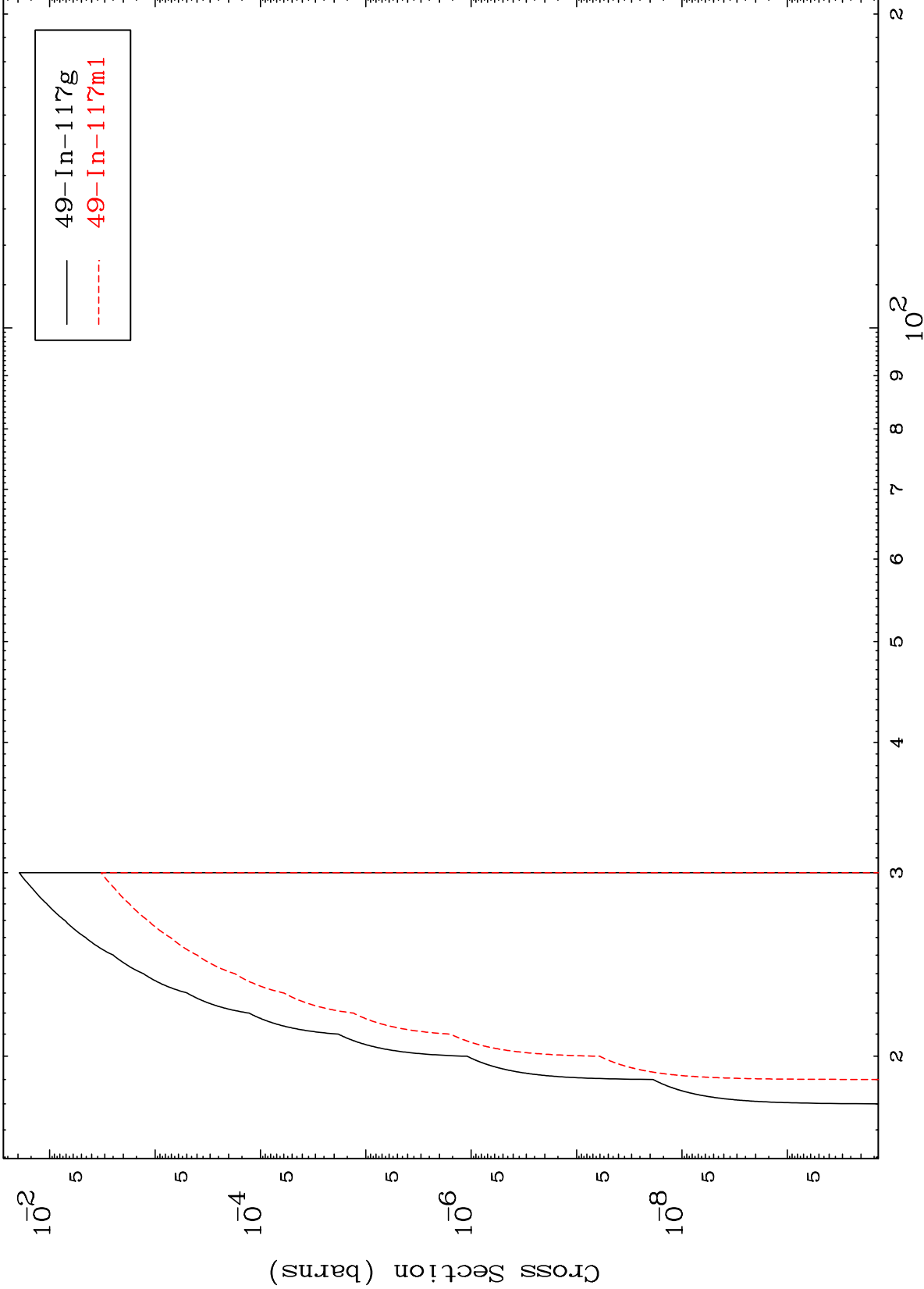


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Incident Energy (MeV)

50-Sn-119

Radionuclide Production Cross Section



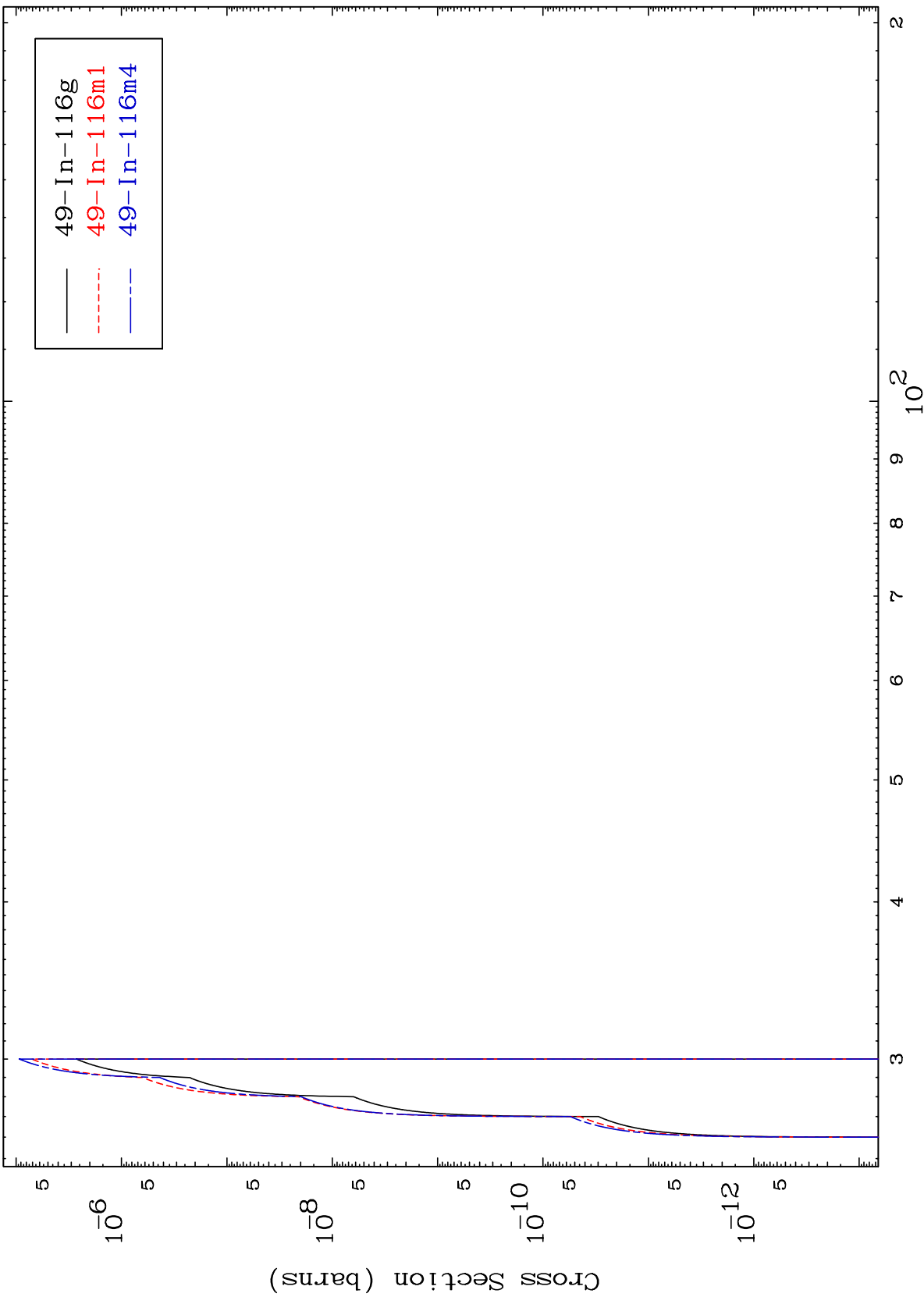
— 49-In-117g
- - - 49-In-117m1

MAT 5047

(n,3n) p

50-Sn-119

Radionuclide Production Cross Section

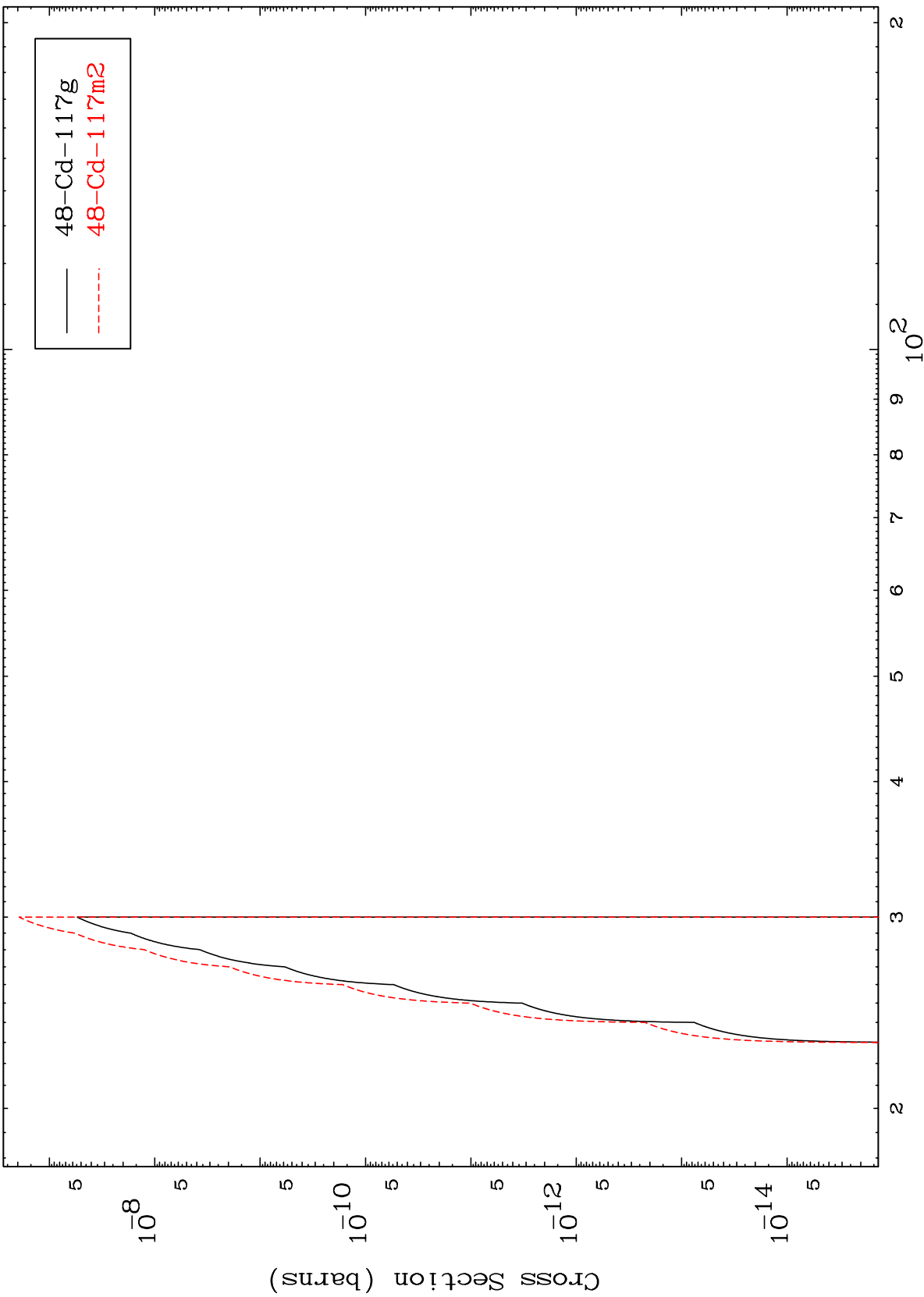


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(n,2n) p

50-Sn-119

Radionuclide Production Cross Section



29

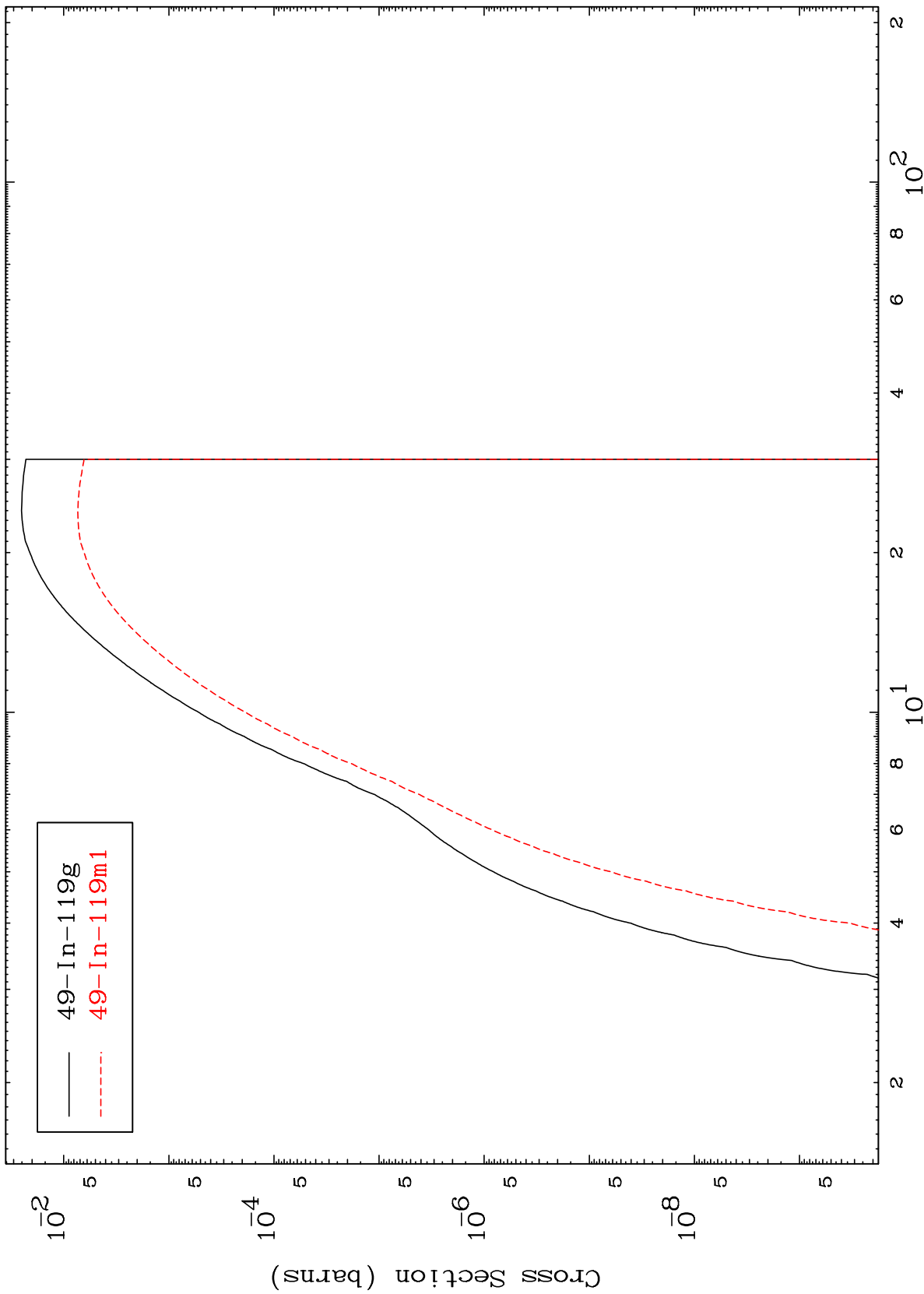
Incident Energy (MeV)

50-Sn-119

MAT 5047

50-Sn-119

(n,p)
Radionuclide Production Cross Section



30

50-Sn-119

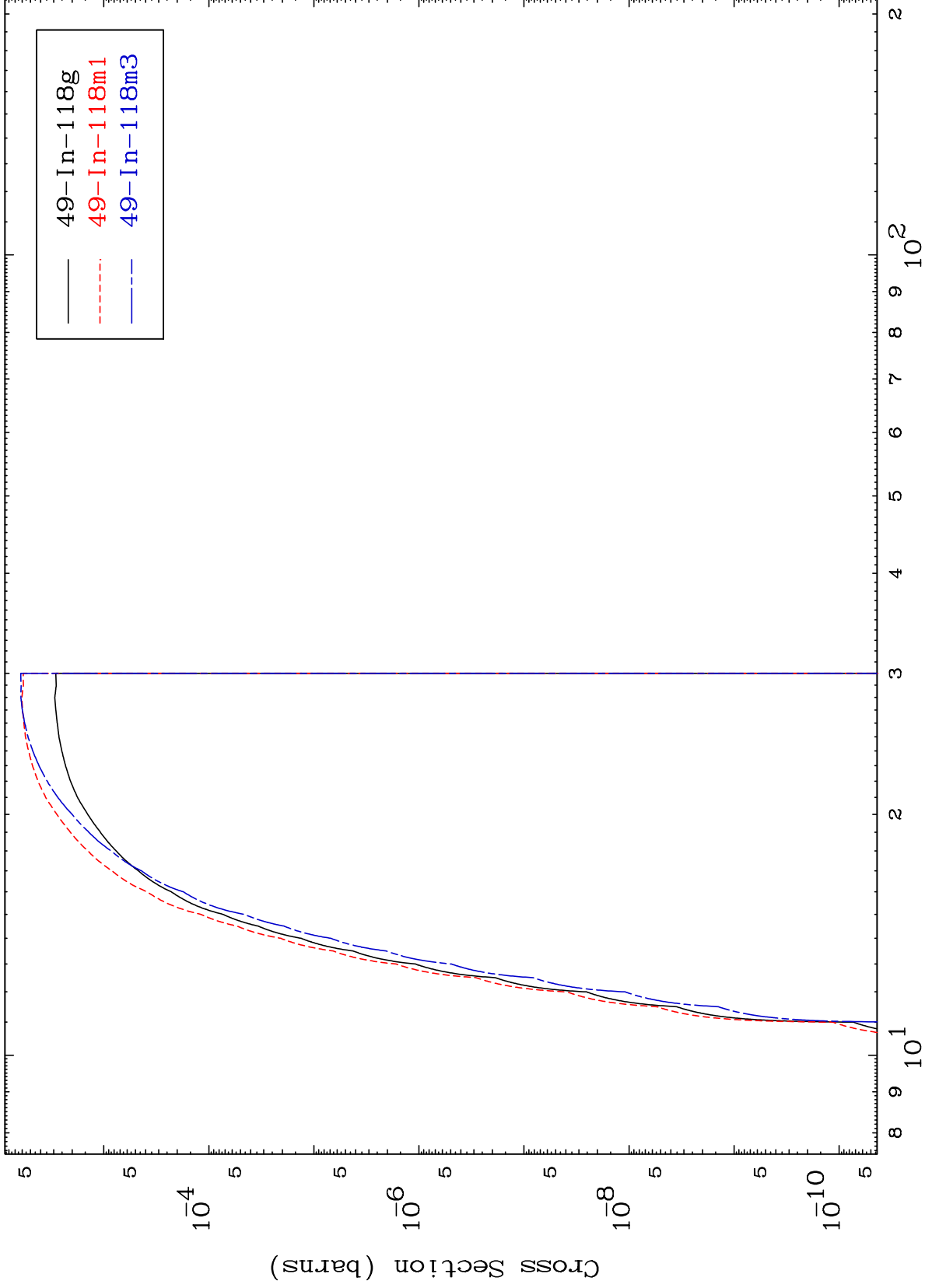
Incident Energy (MeV)

MAT 5047

(n,d)

50-Sn-119

Radionuclide Production Cross Section



31

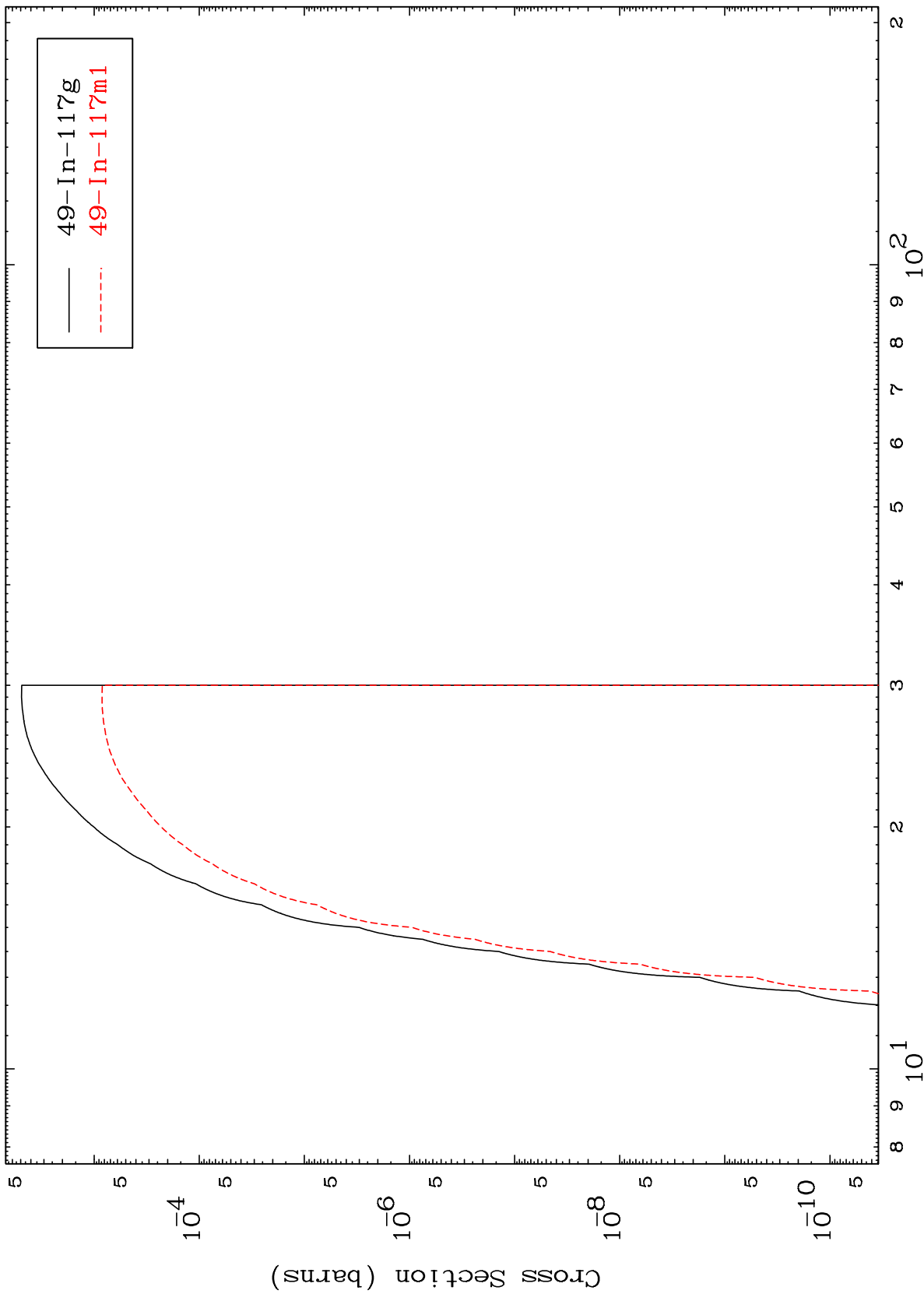
Incident Energy (MeV)

50-Sn-119

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50-Sn-119

(n,t)
Radionuclide Production Cross Section



50-Sn-119

Incident Energy (MeV)

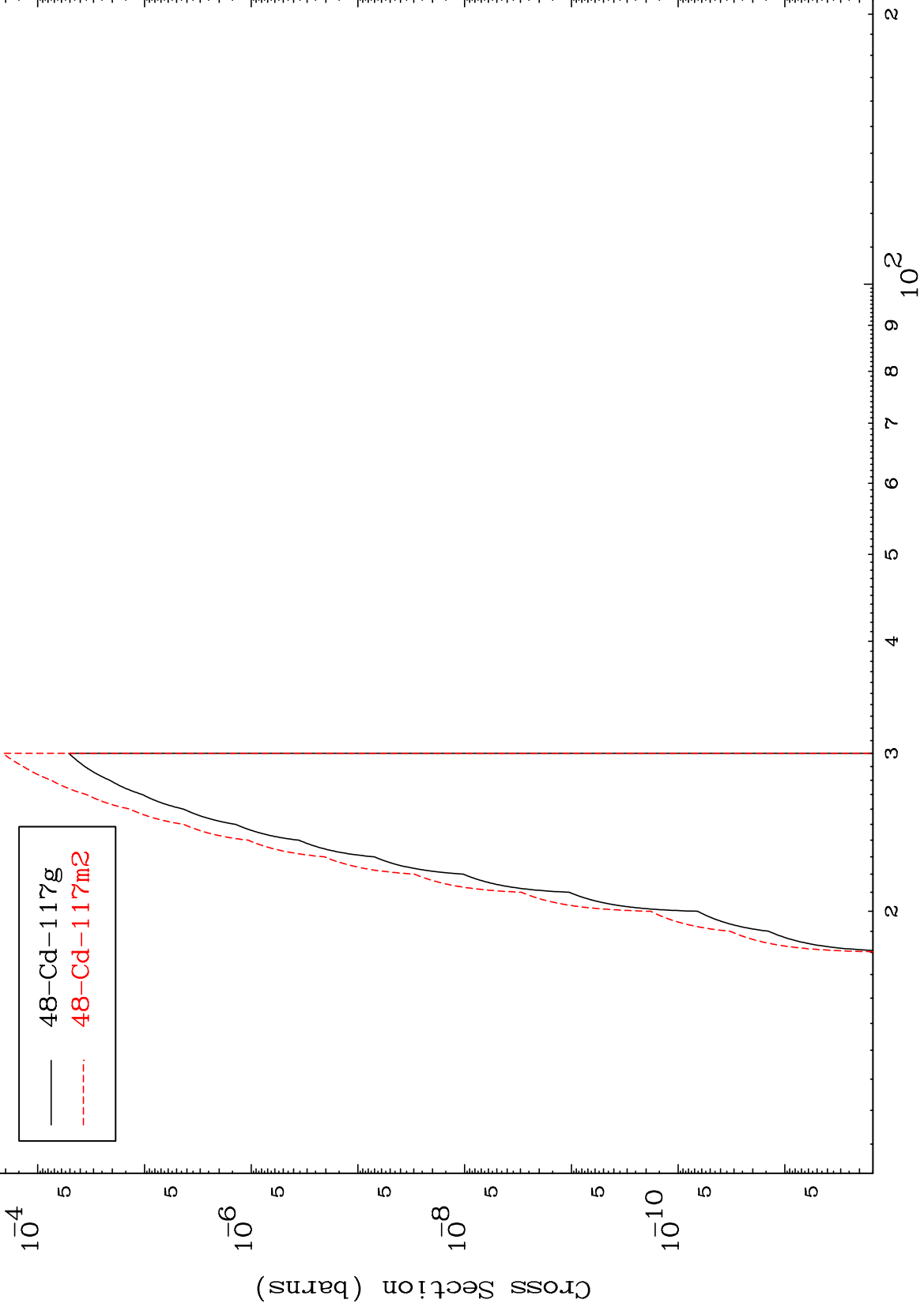
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(n,He-3)

50-Sn-119

Radionuclide Production Cross Section



33

Incident Energy (MeV)

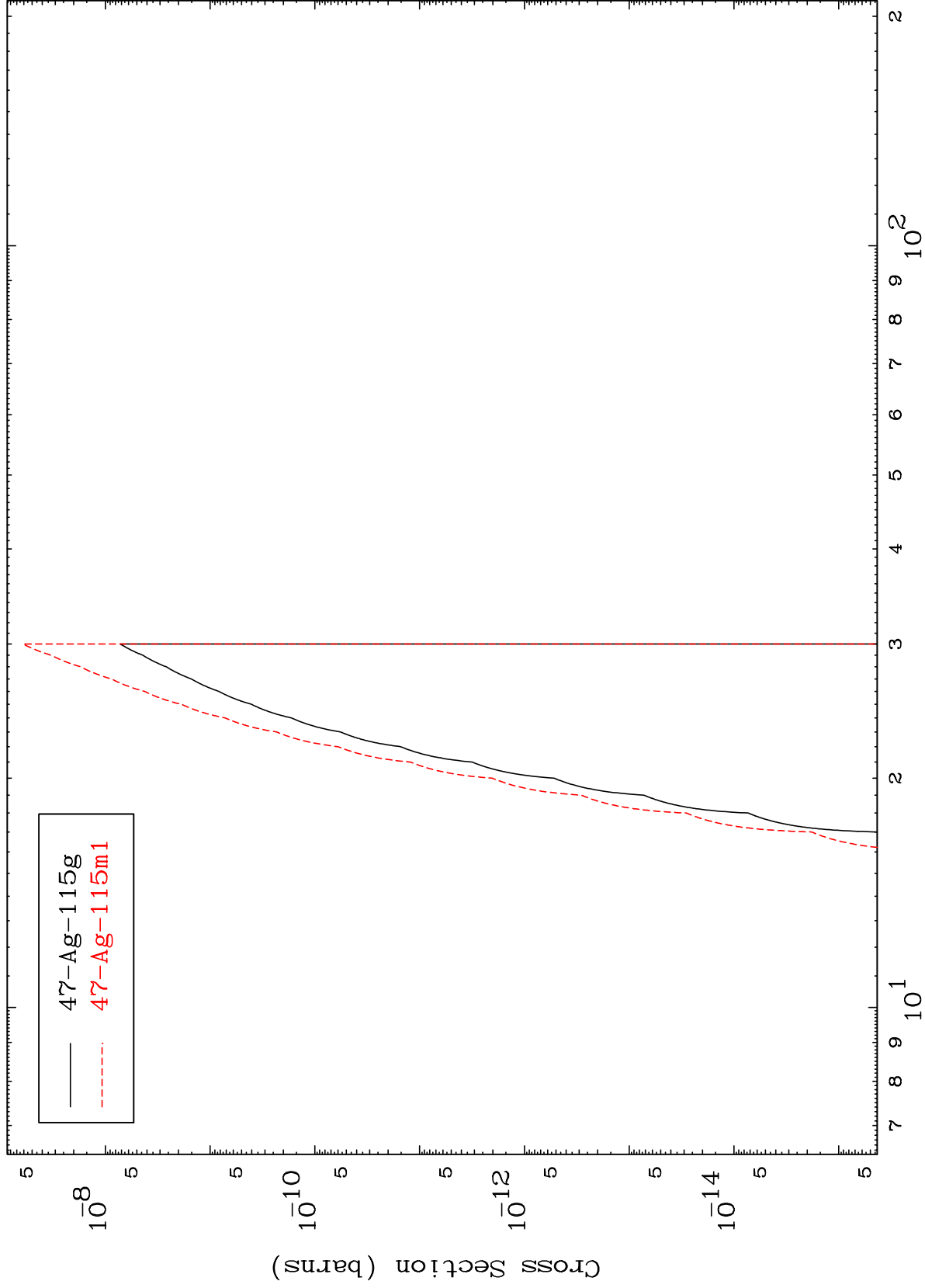
50-Sn-119

MAT 5047

(n,p) α

50-Sn-119

Radionuclide Production Cross Section



34

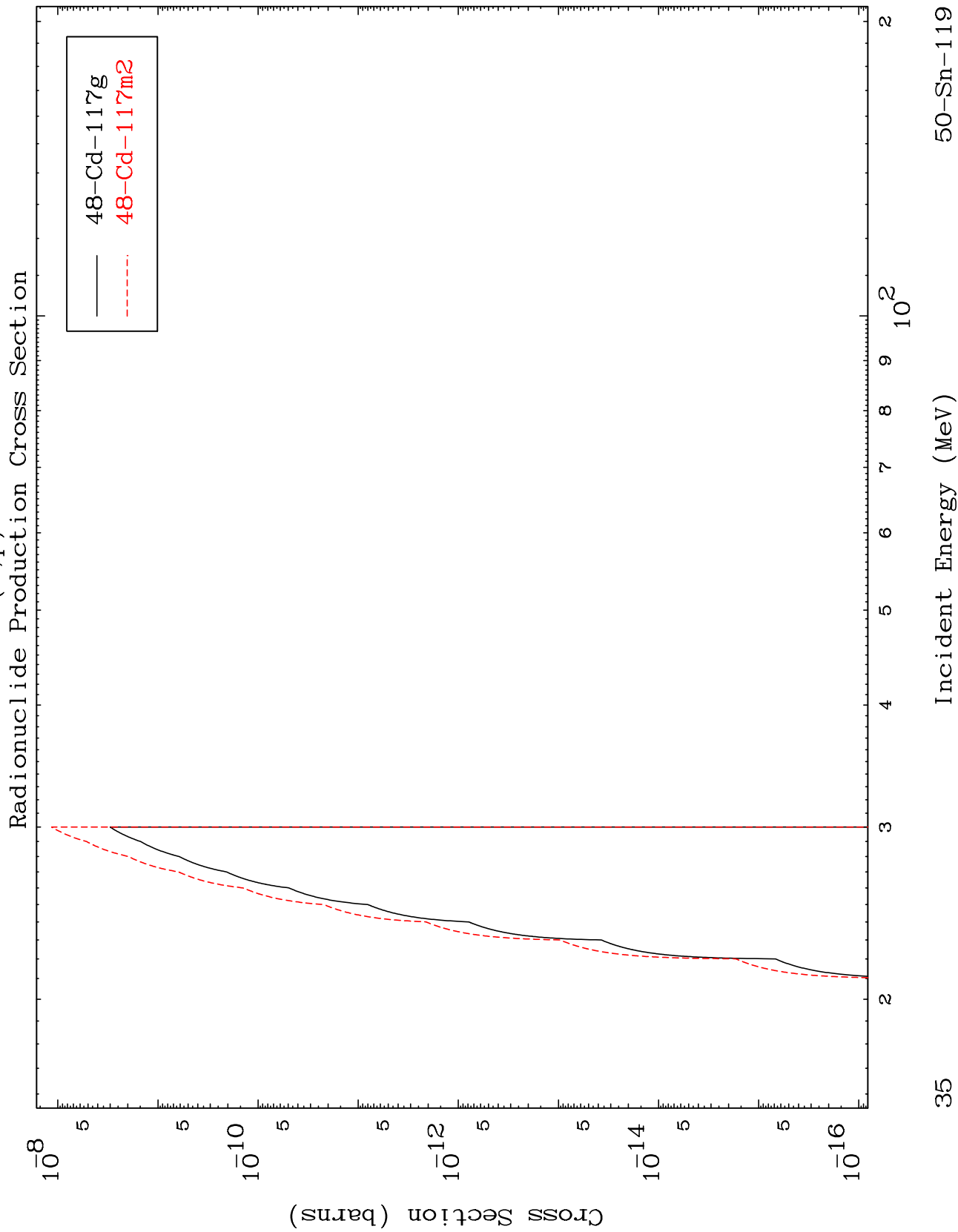
Incident Energy (MeV)

50-Sn-119

MAT 5047

(n,p) d

50-Sn-119



35

50-Sn-119