

Program EVALPLOT
(Version 2017-1)

by

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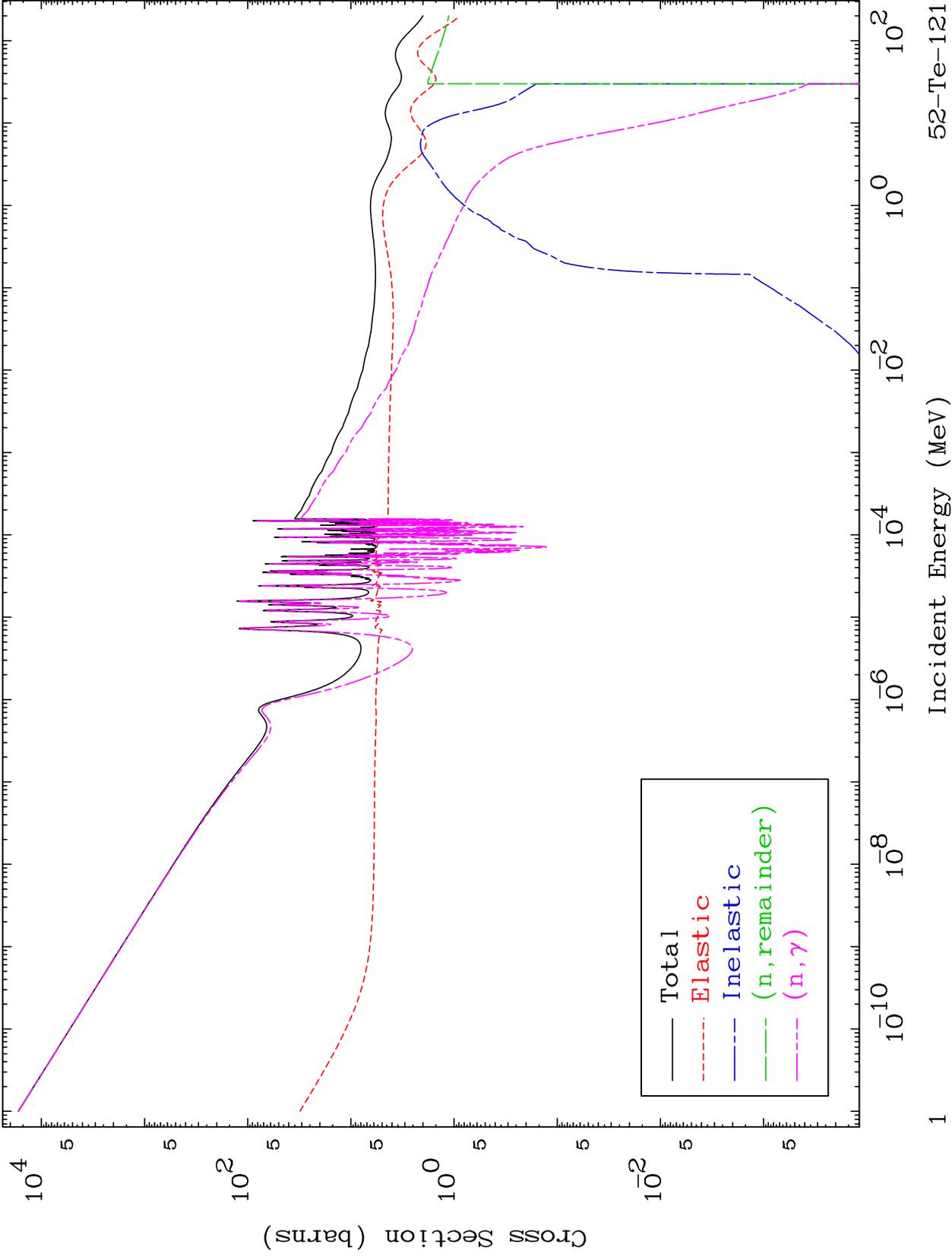
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5229

Major
293 Kelvin Cross Sections

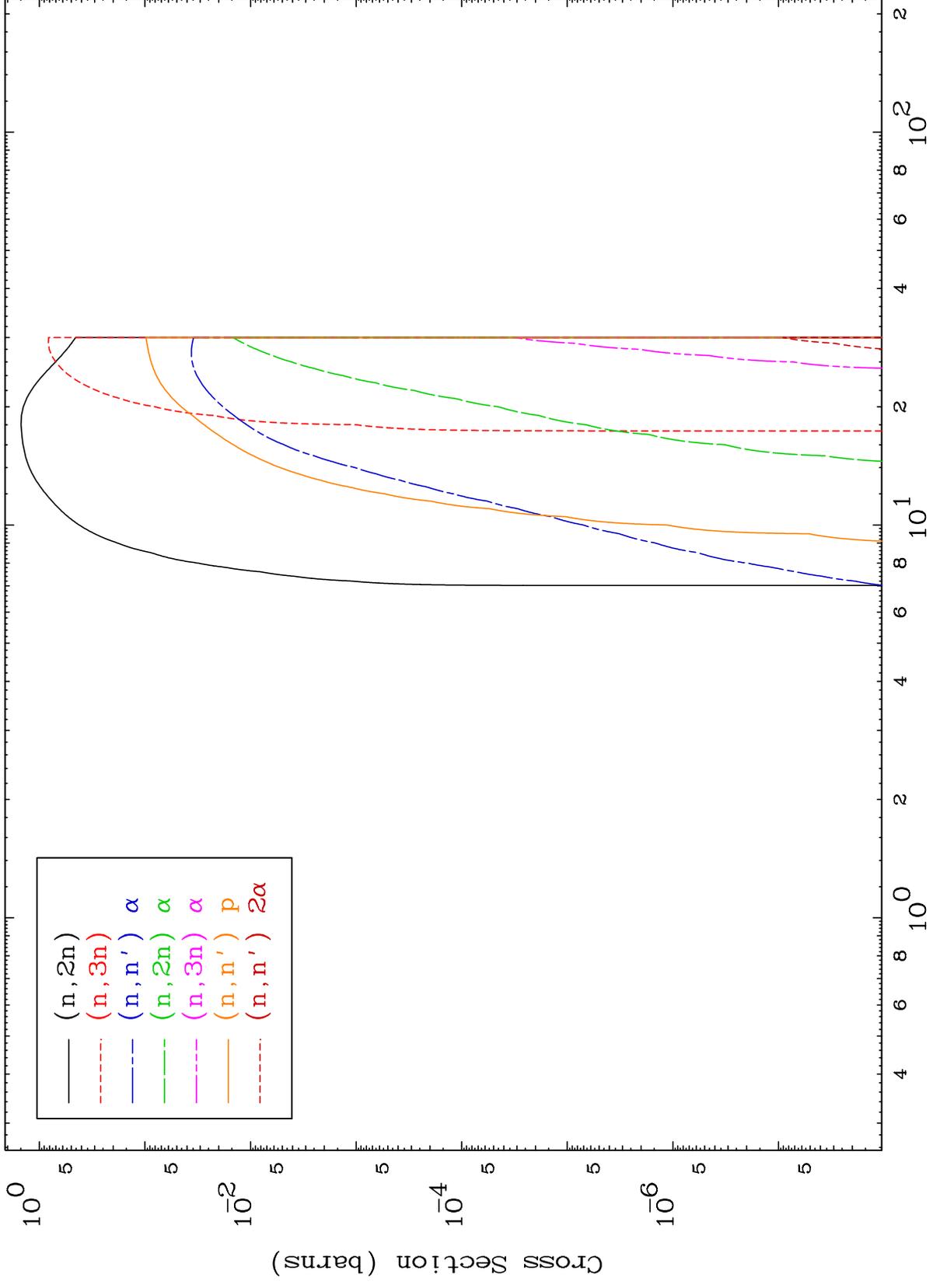
52-Te-121

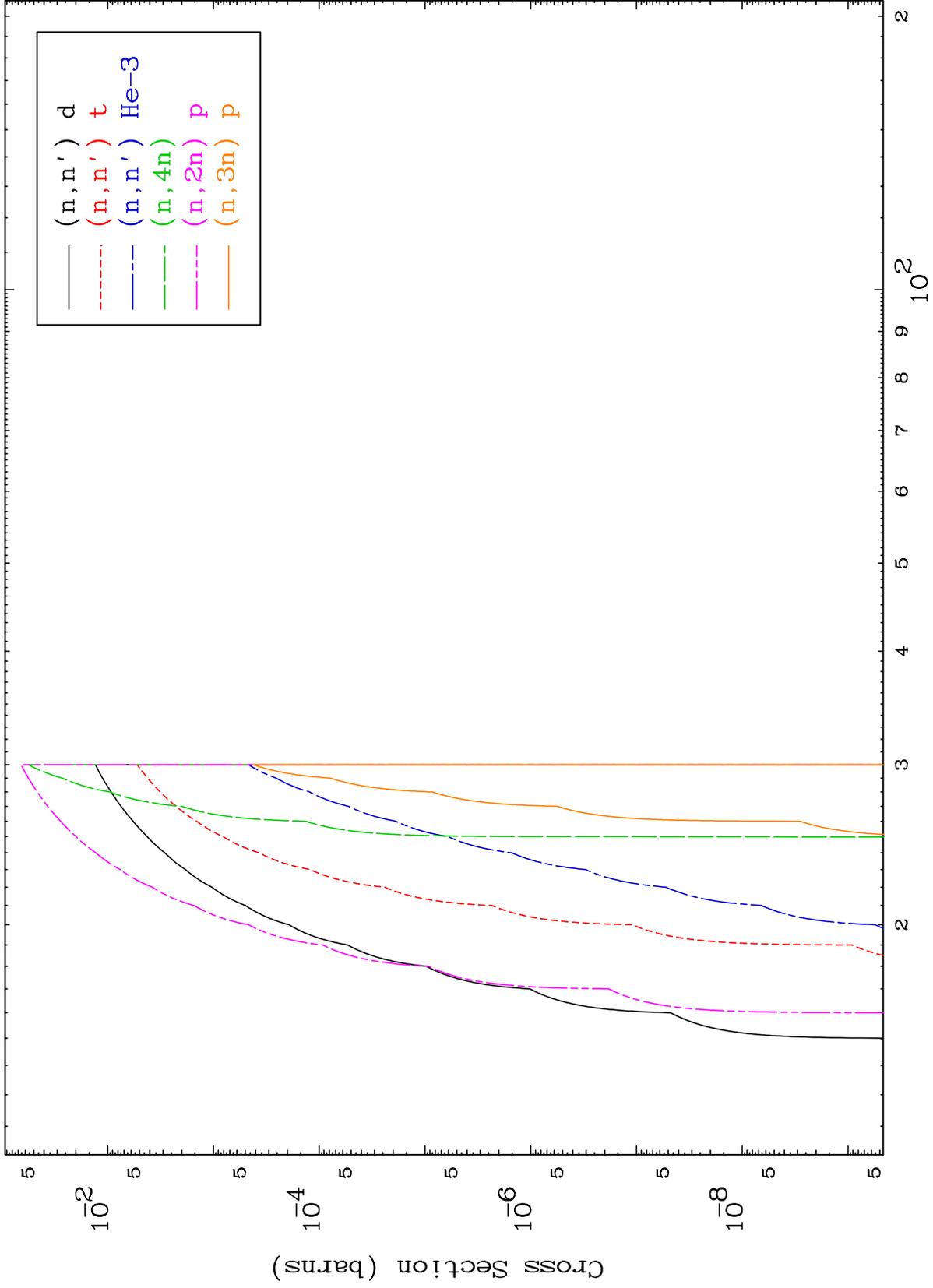


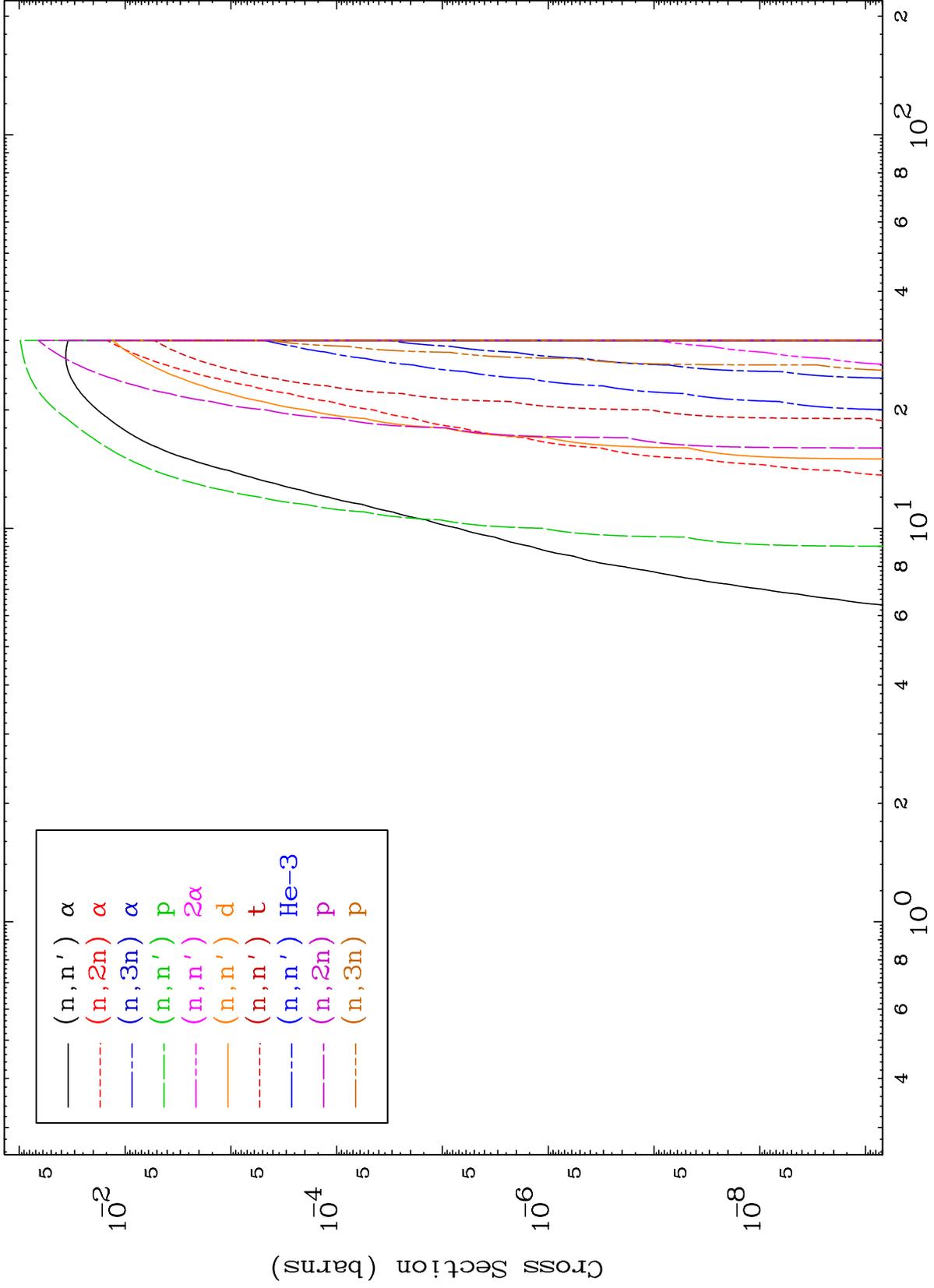
MAT 5229

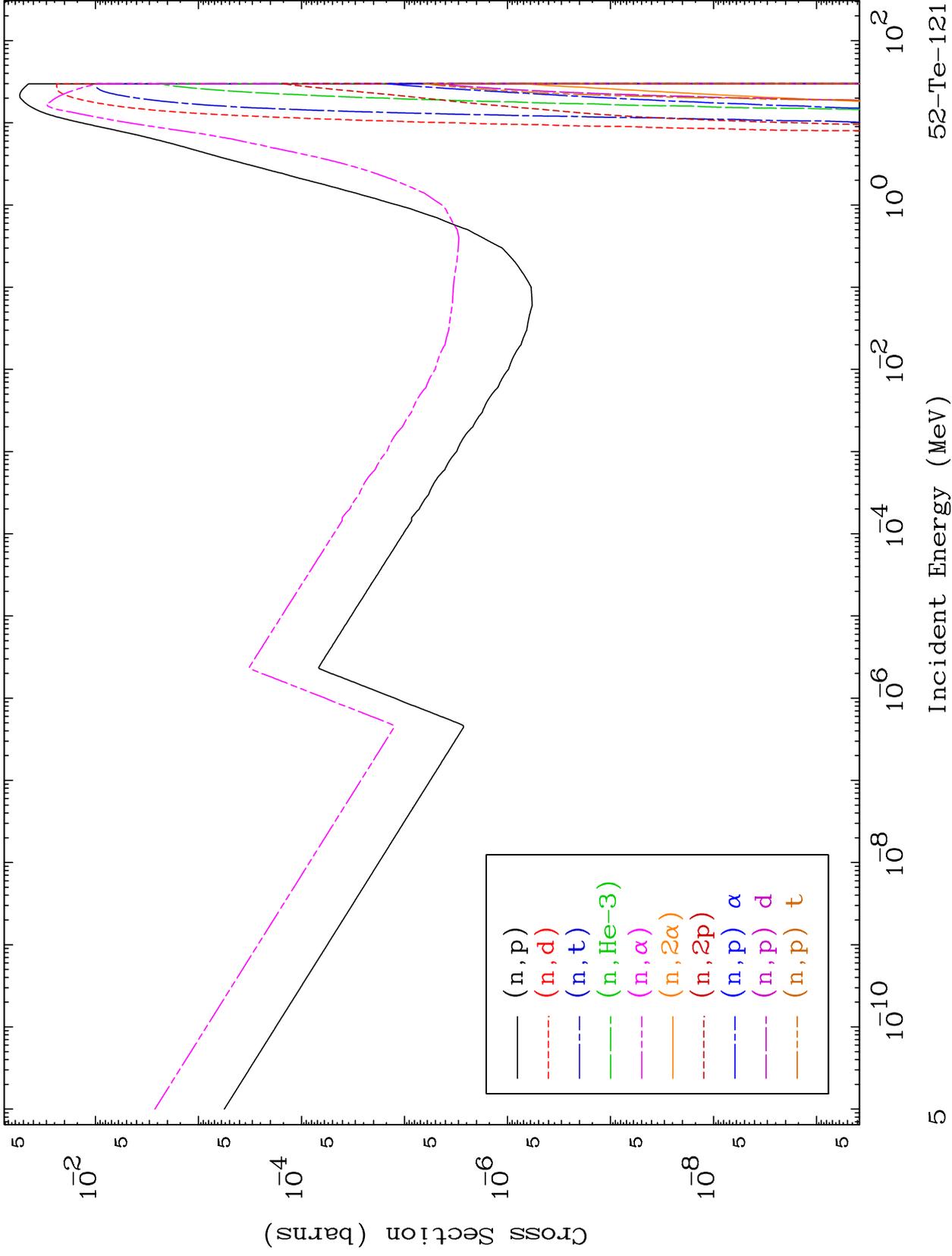
Neutron Production
293 Kelvin Cross Sections

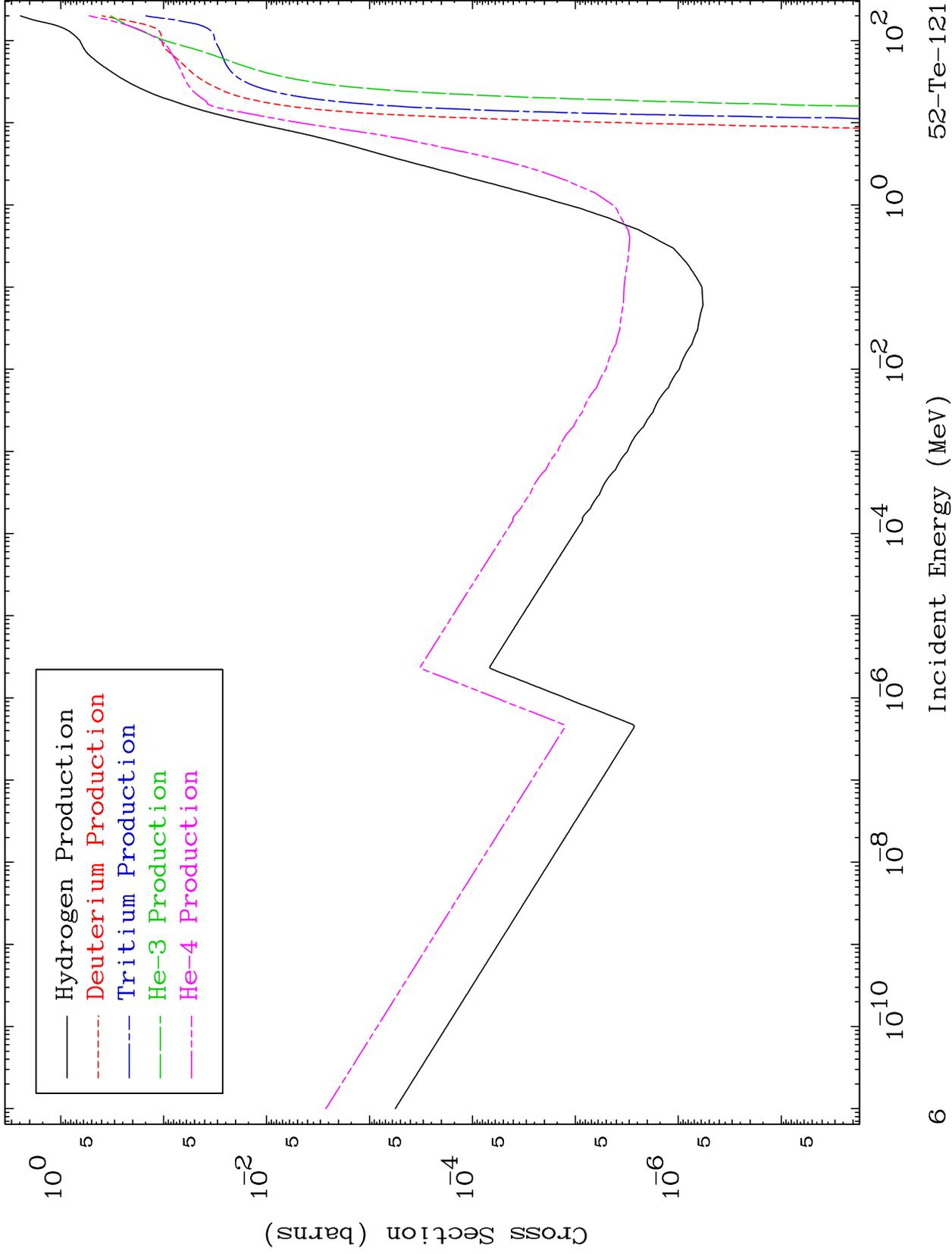
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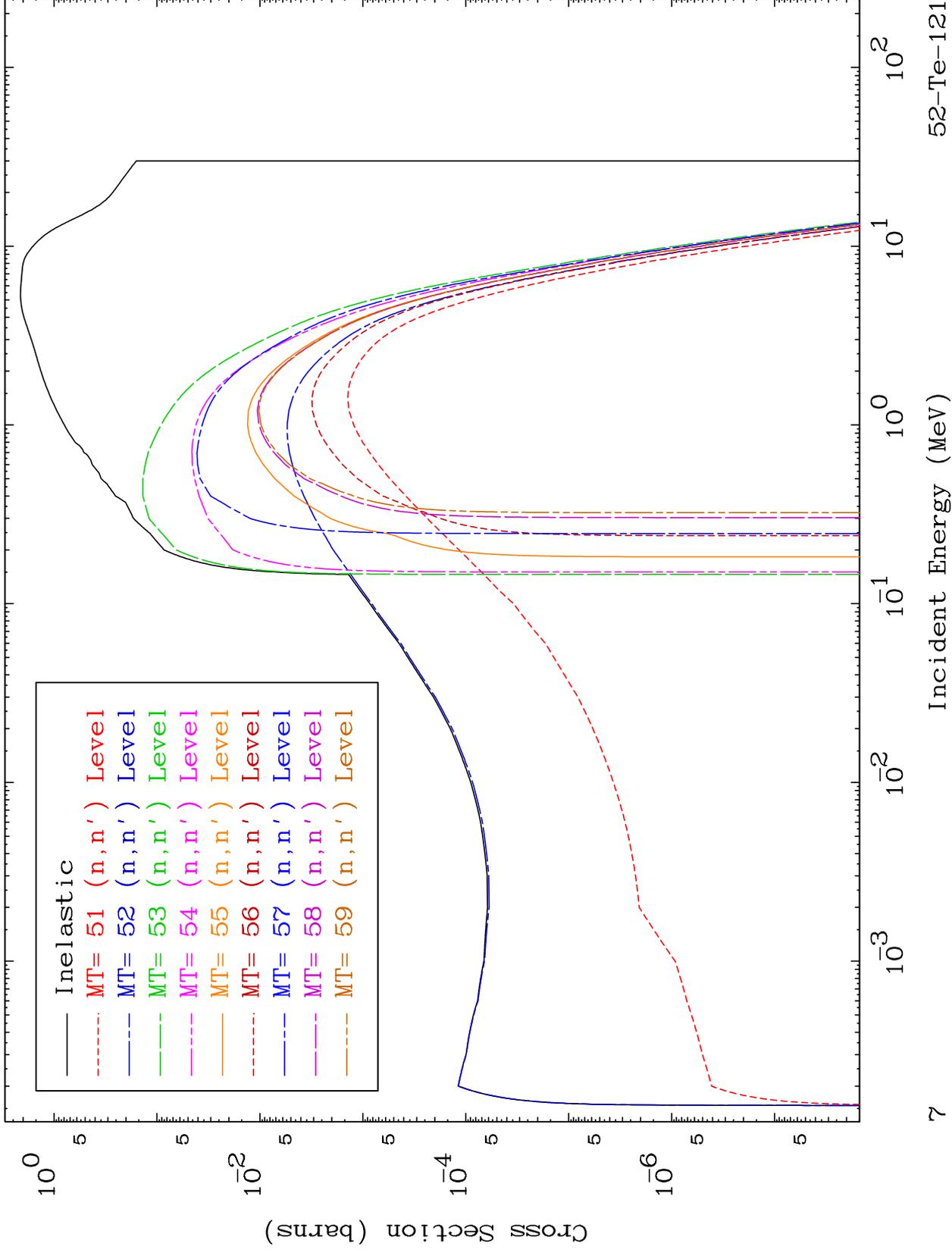




MAT 5229

(n,n') Level
293 Kelvin Cross Sections

52-Te-121

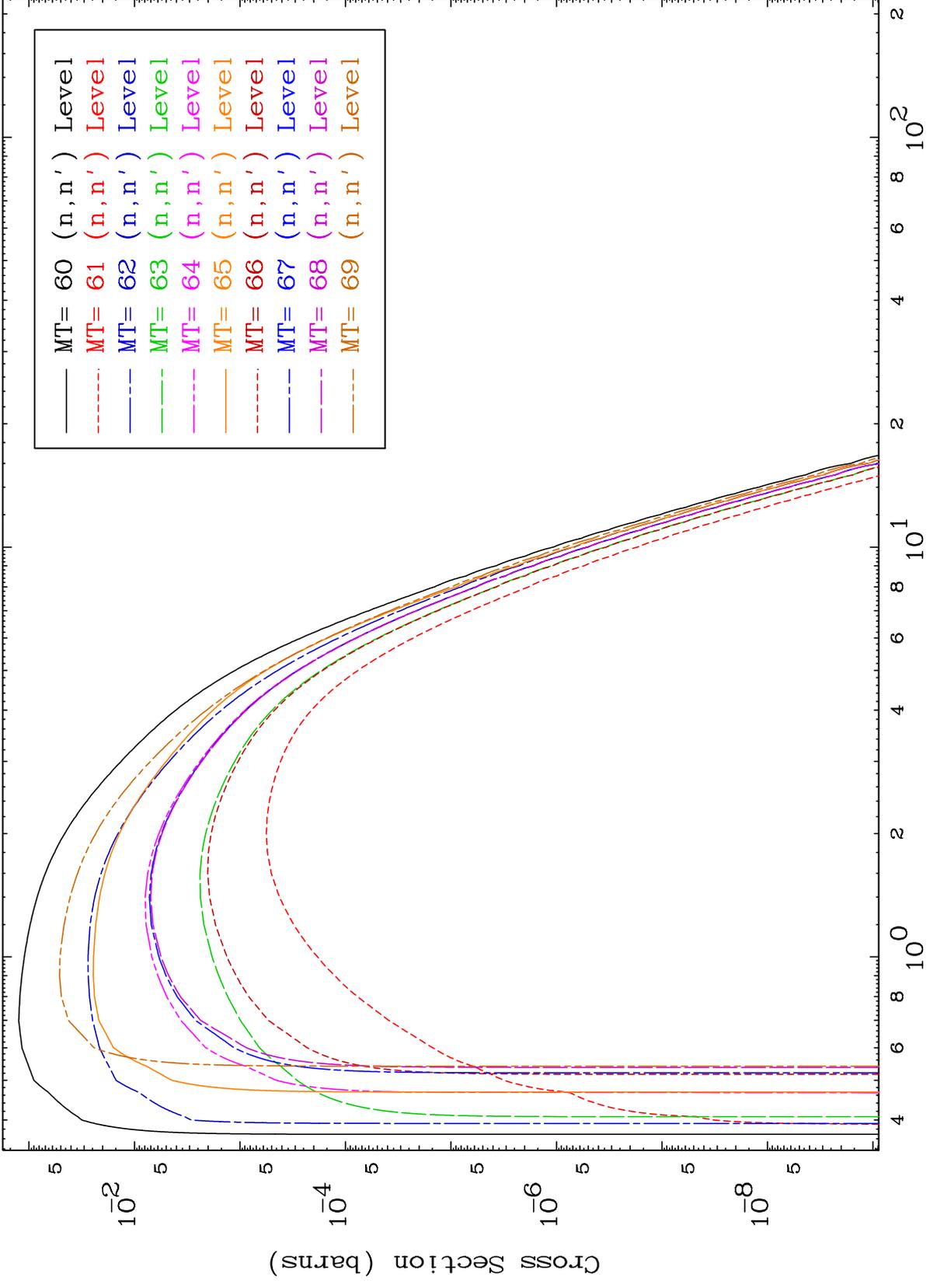


MAT 5229

(n,n') Level

52-Te-121

293 Kelvin Cross Sections



8

Incident Energy (MeV)

52-Te-121

MAT 5229

(n,n') Level

52-Te-121

293 Kelvin Cross Sections

10^6

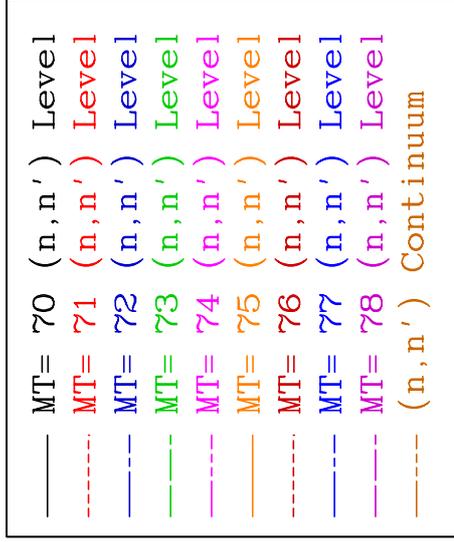
10^3

10^0

10^{-3}

10^{-6}

Cross Section (barns)



6 8 10⁰ 2 4 6 8 10¹ 2 4 6 8 10² 2

Incident Energy (MeV)

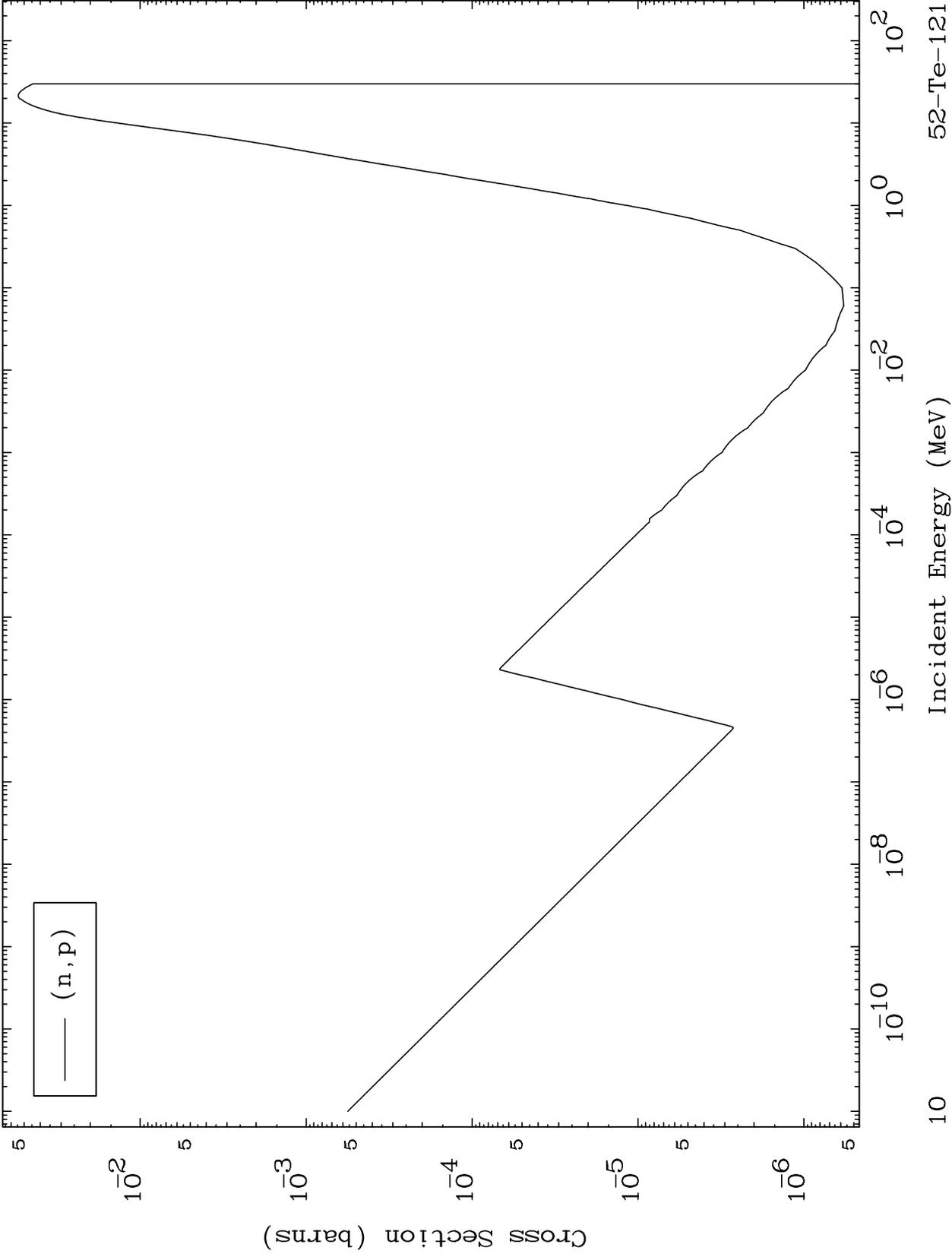
52-Te-121

9

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(n,p) Levels
293 Kelvin Cross Sections

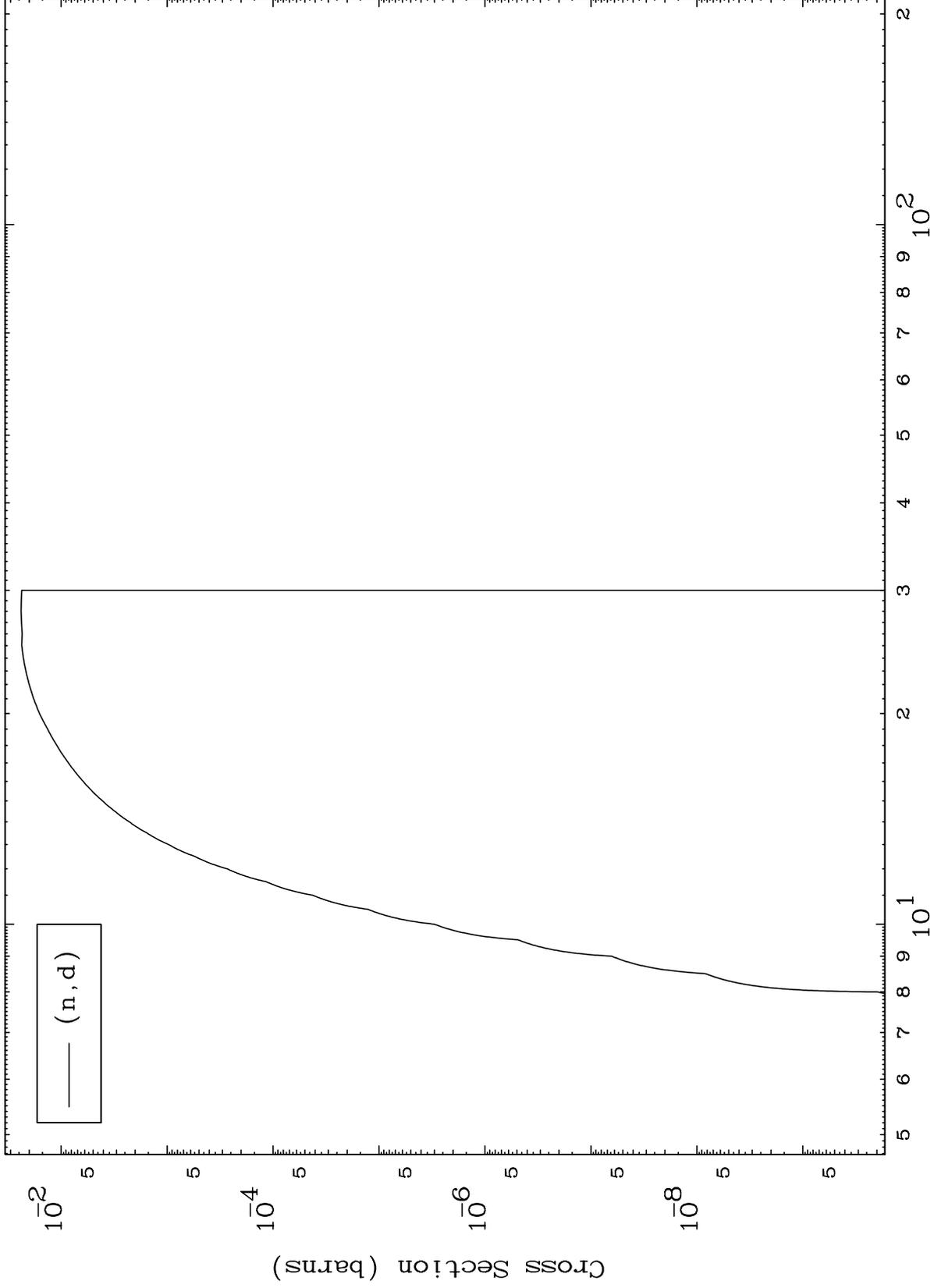
52-Te-121



MAT 5229

(n,d) Levels
293 Kelvin Cross Sections

52-Te-121



11

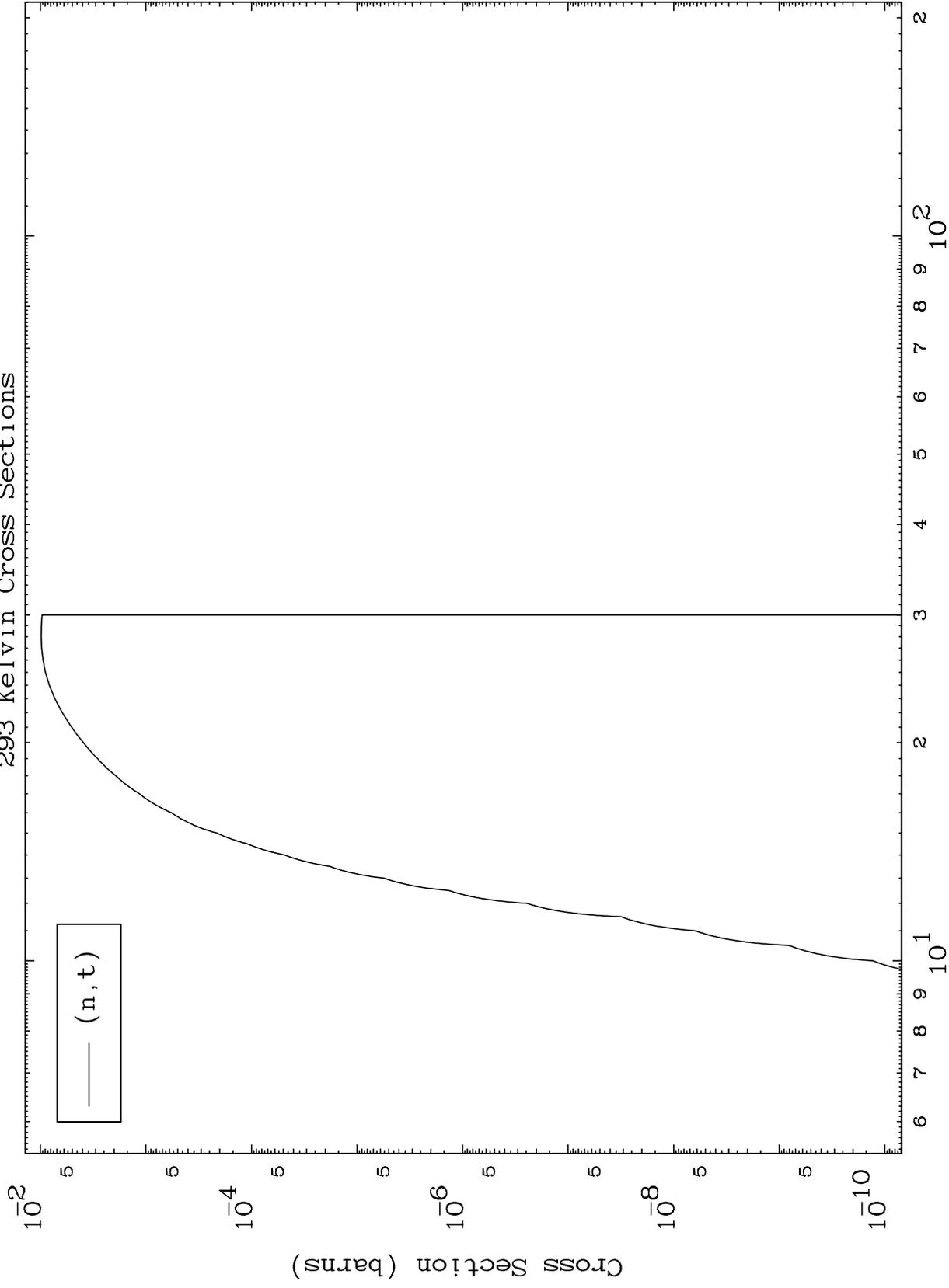
Incident Energy (MeV)

52-Te-121

MAT 5229

(n,t) Levels
293 Kelvin Cross Sections

52-Te-121



12

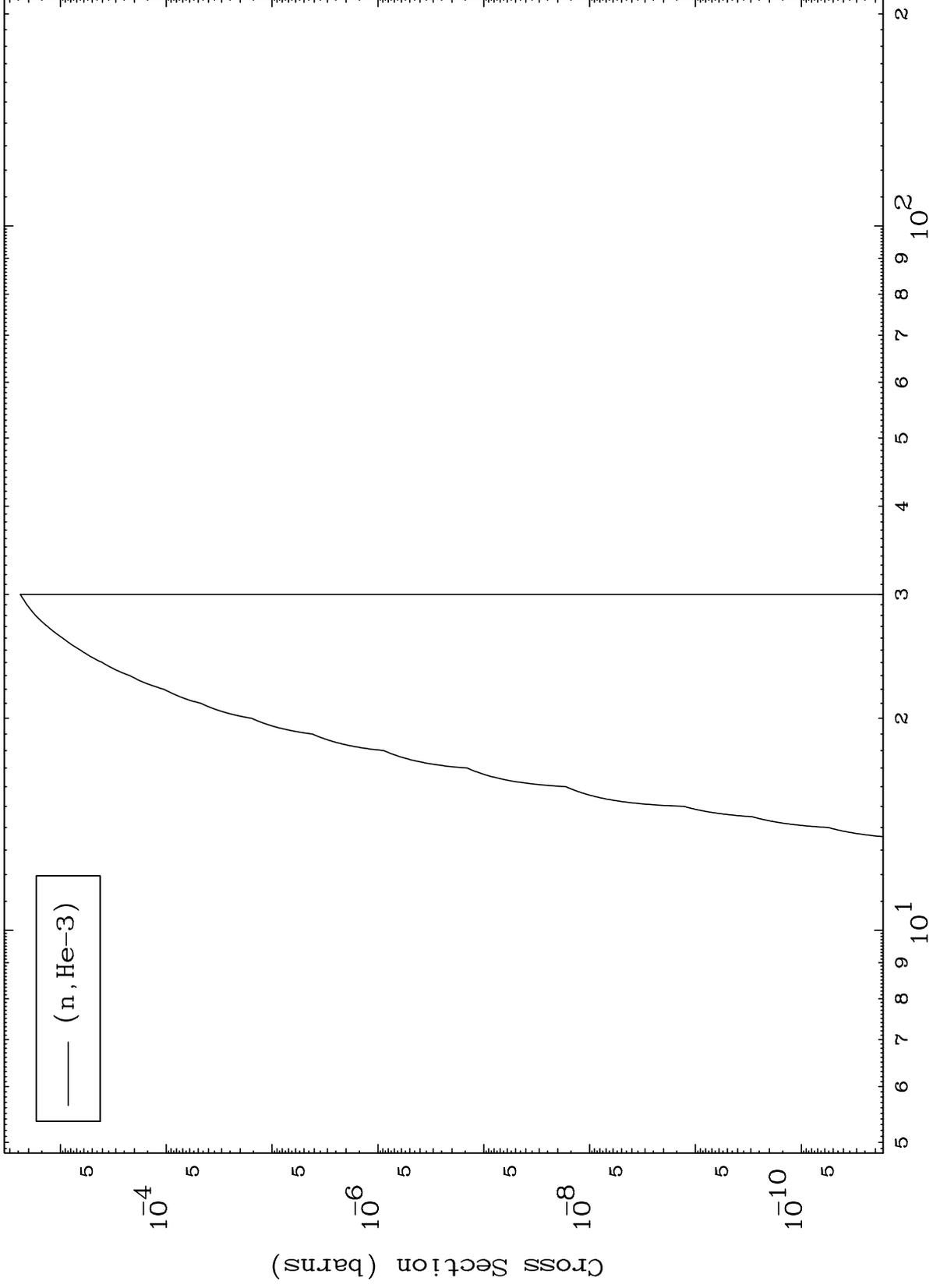
Incident Energy (MeV)

52-Te-121

MAT 5229

(n,He3) Levels
293 Kelvin Cross Sections

52-Te-121



13

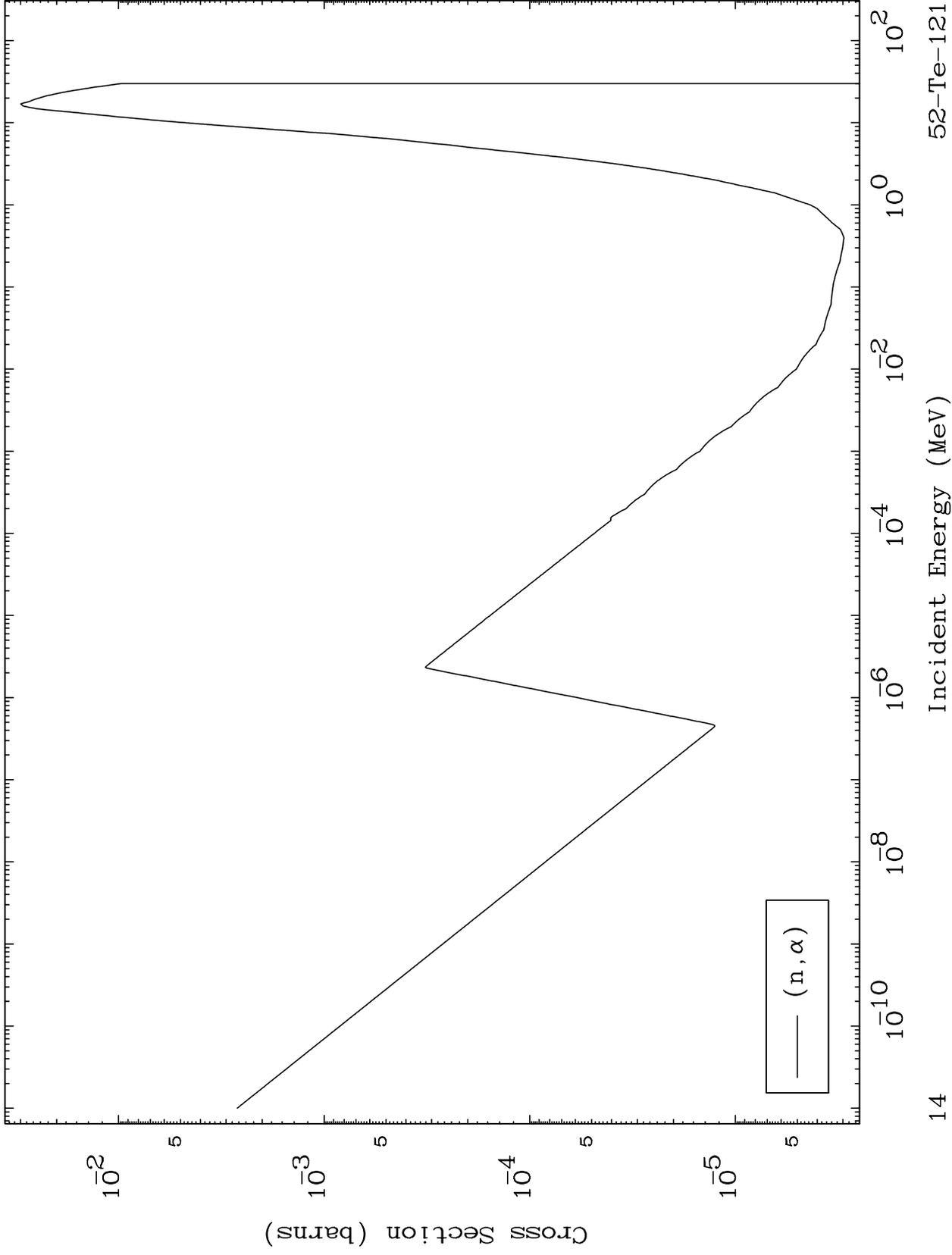
Incident Energy (MeV)

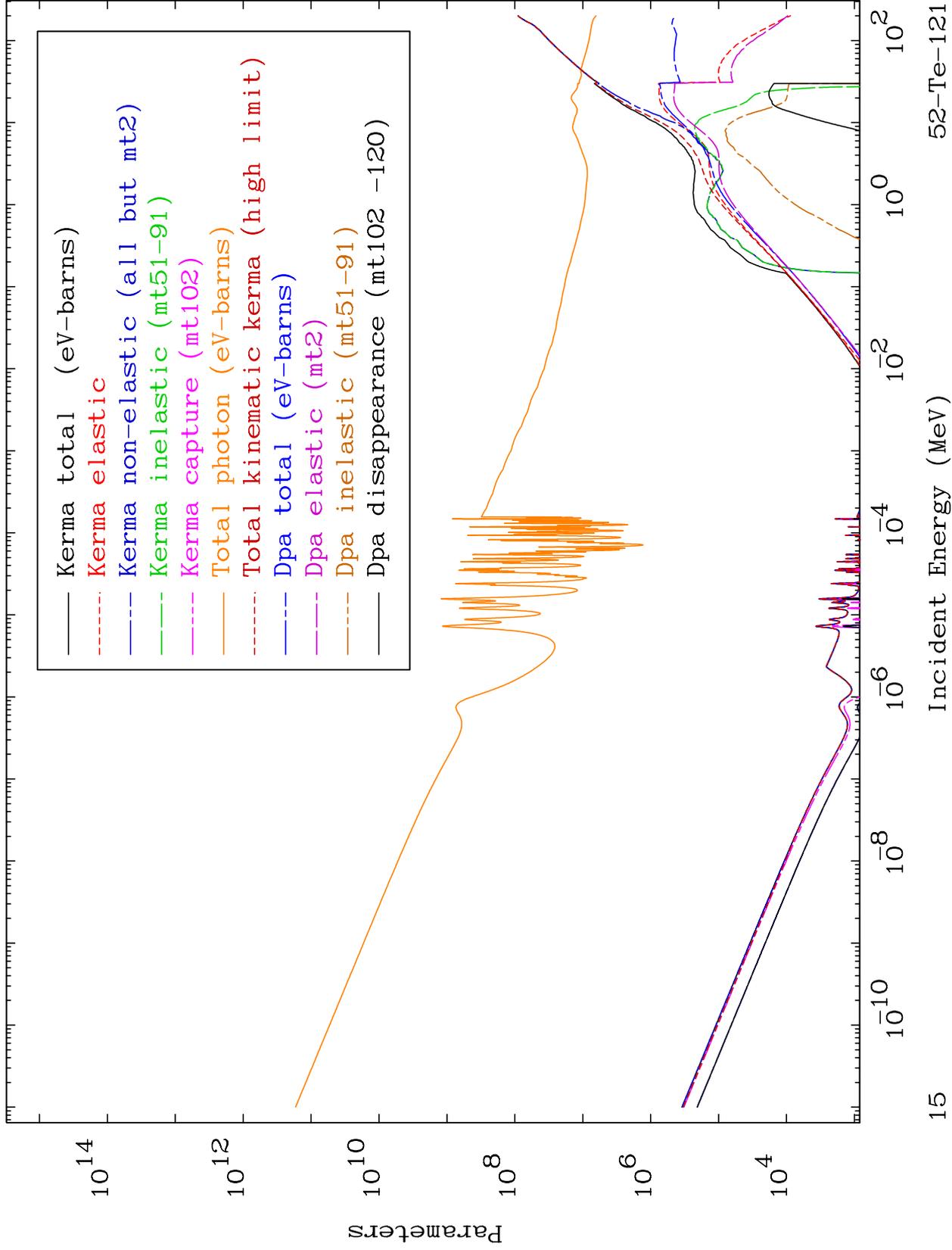
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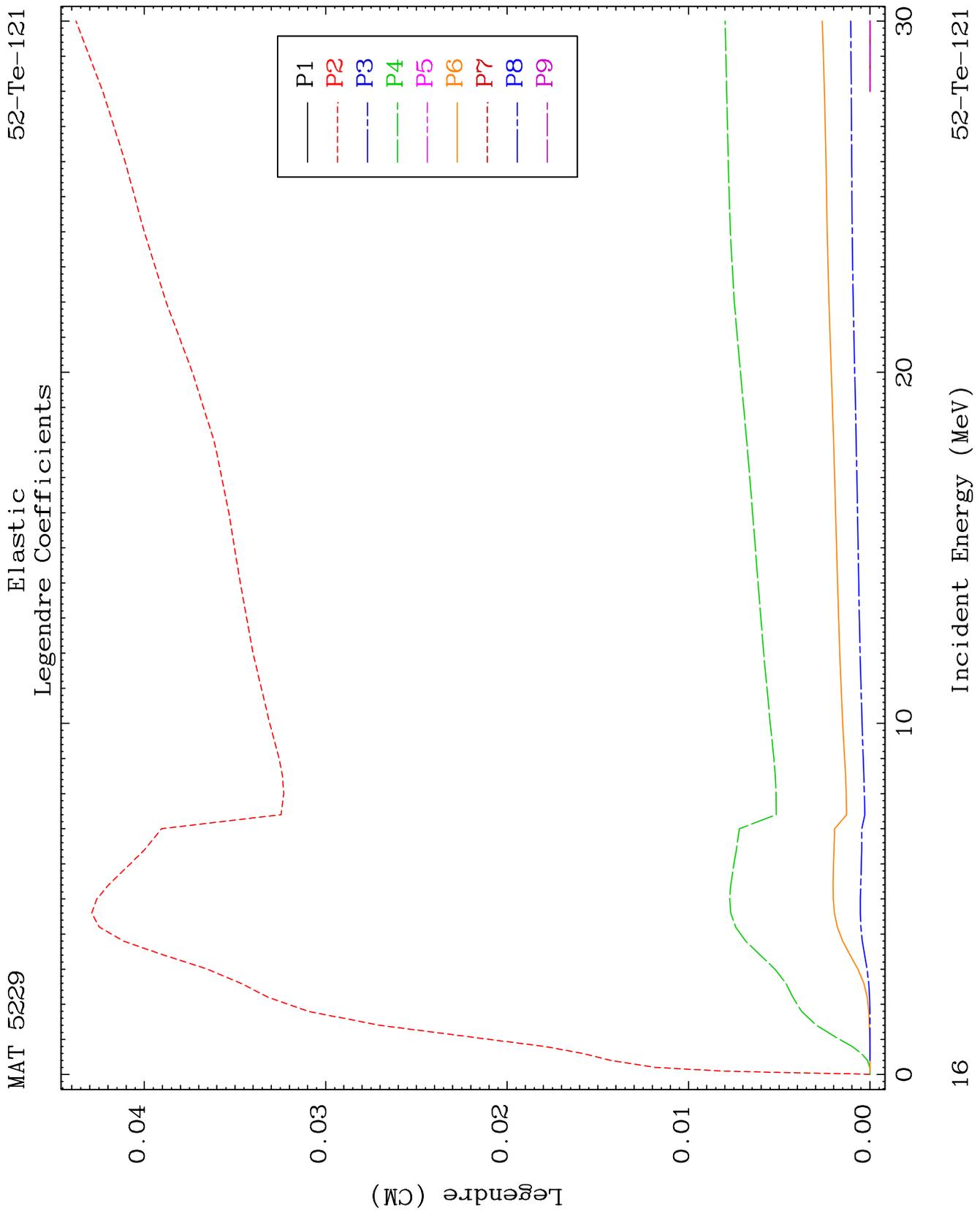
MAT 5229

(n, α) Levels
293 Kelvin Cross Sections

52-Te-121







MAT 5229

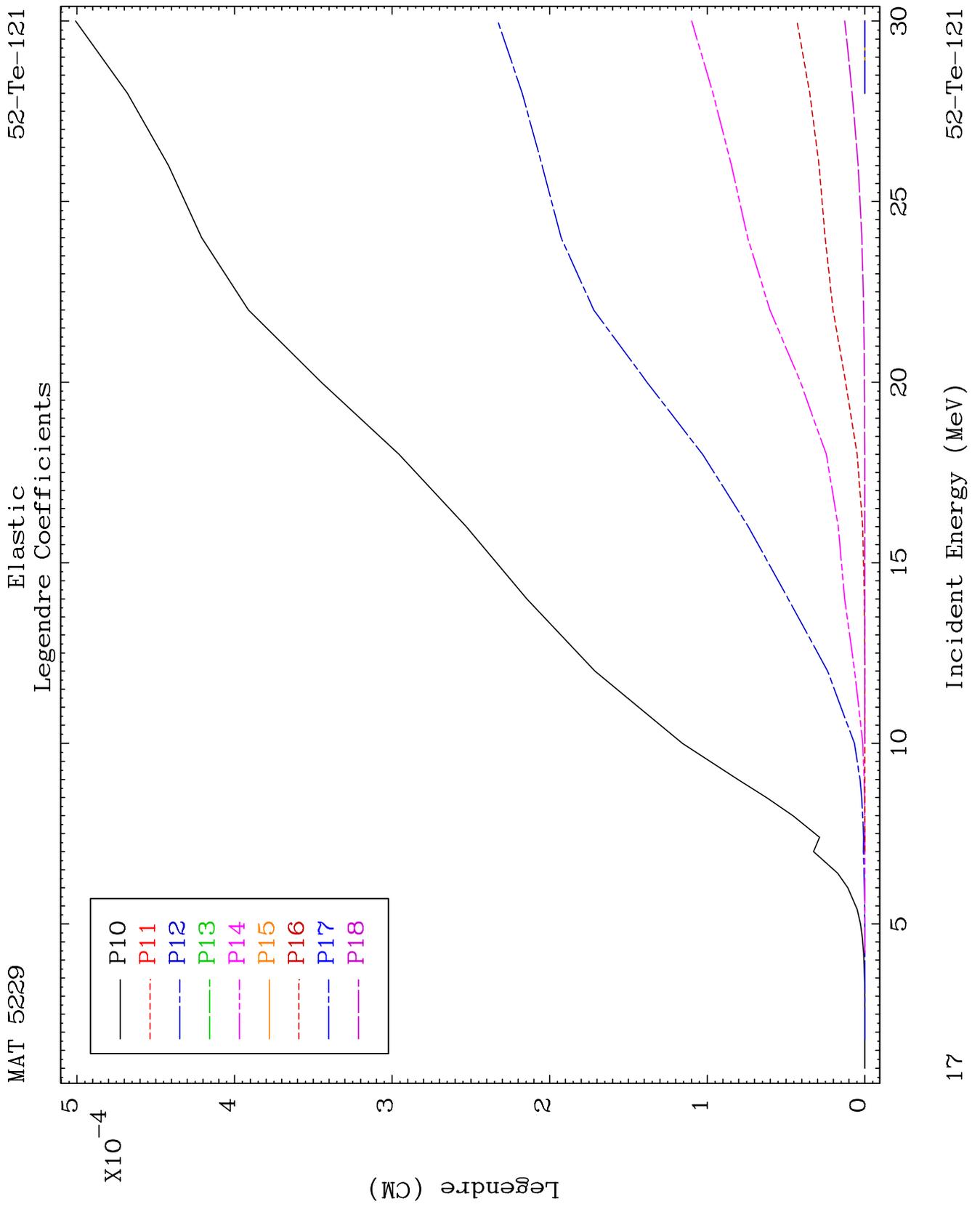
Elastic Legendre Coefficients

$^{52}\text{Te-121}$

16

Incident Energy (MeV)

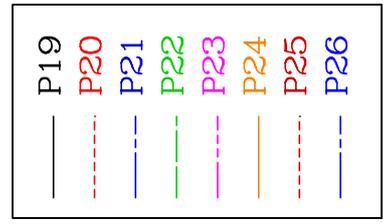
$^{52}\text{Te-121}$



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Elastic Legendre Coefficients

52-Te-121



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

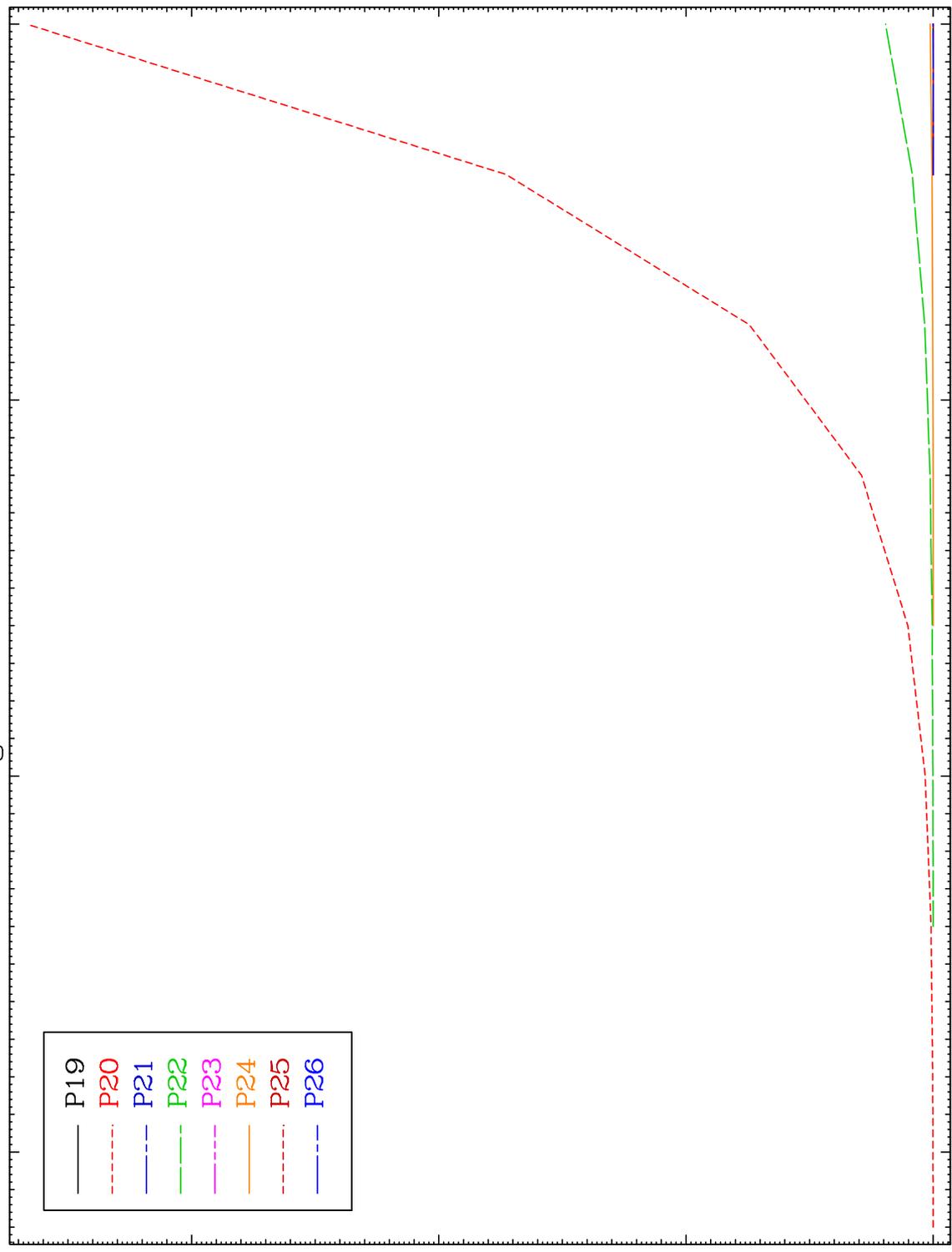
25

30

18

Incident Energy (MeV)

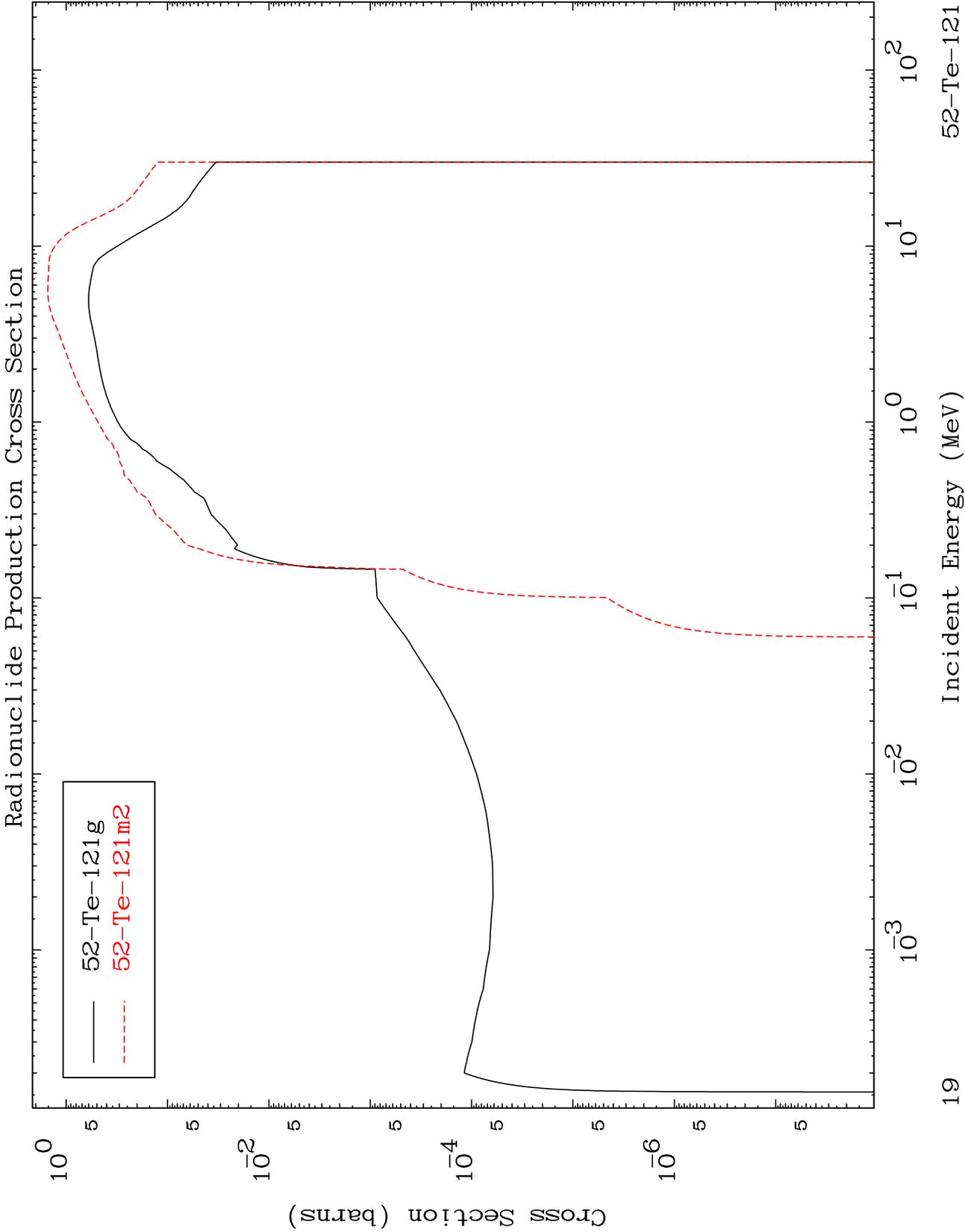
52-Te-121



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52-Te-121

Inelastic
Radionuclide Production Cross Section



19

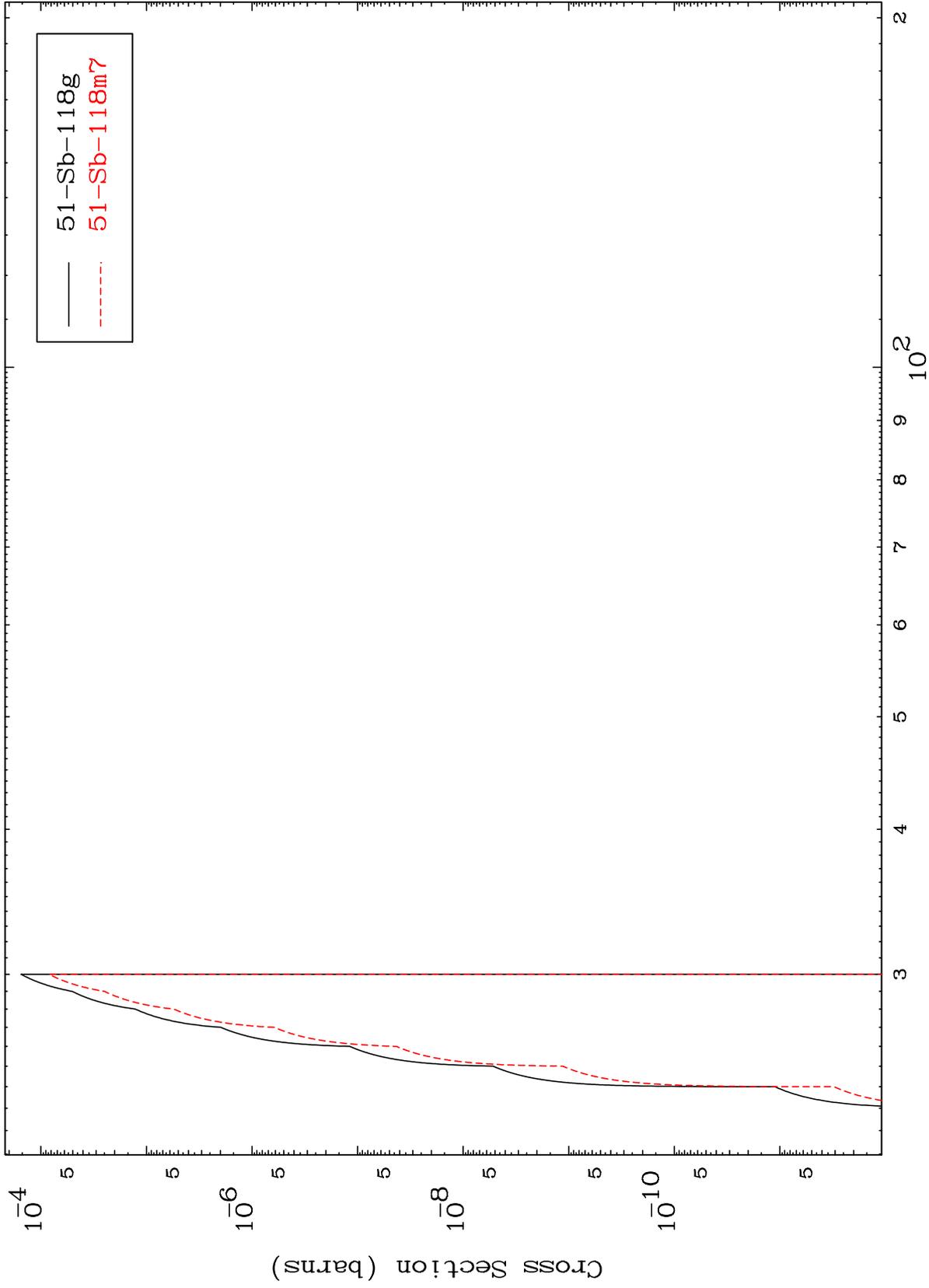
52-Te-121

Incident Energy (MeV)

MAT 5229

52-Te-121

(n,2n) d
Radionuclide Production Cross Section

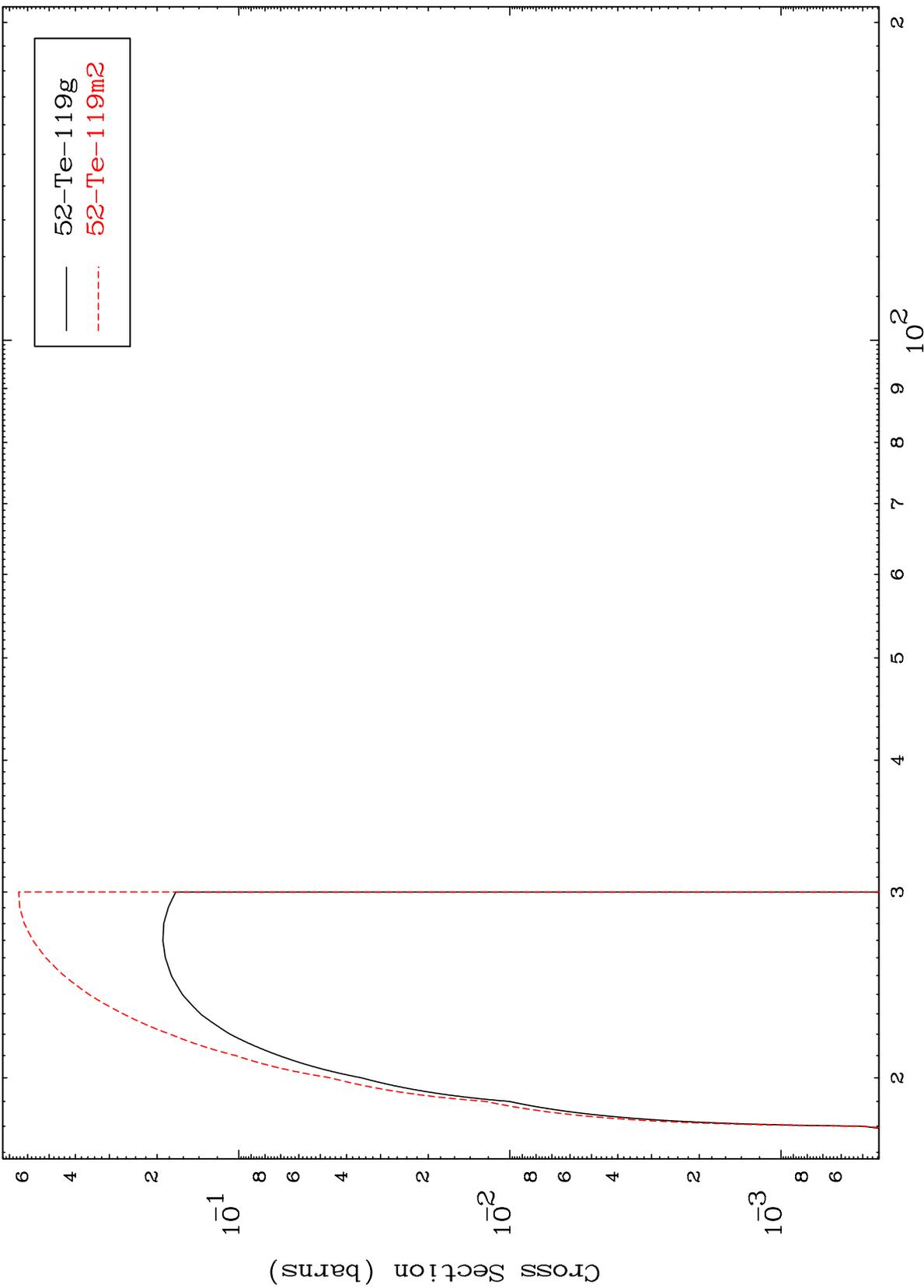


52-Te-121

Incident Energy (MeV)

20

(n,3n)
Radionuclide Production Cross Section

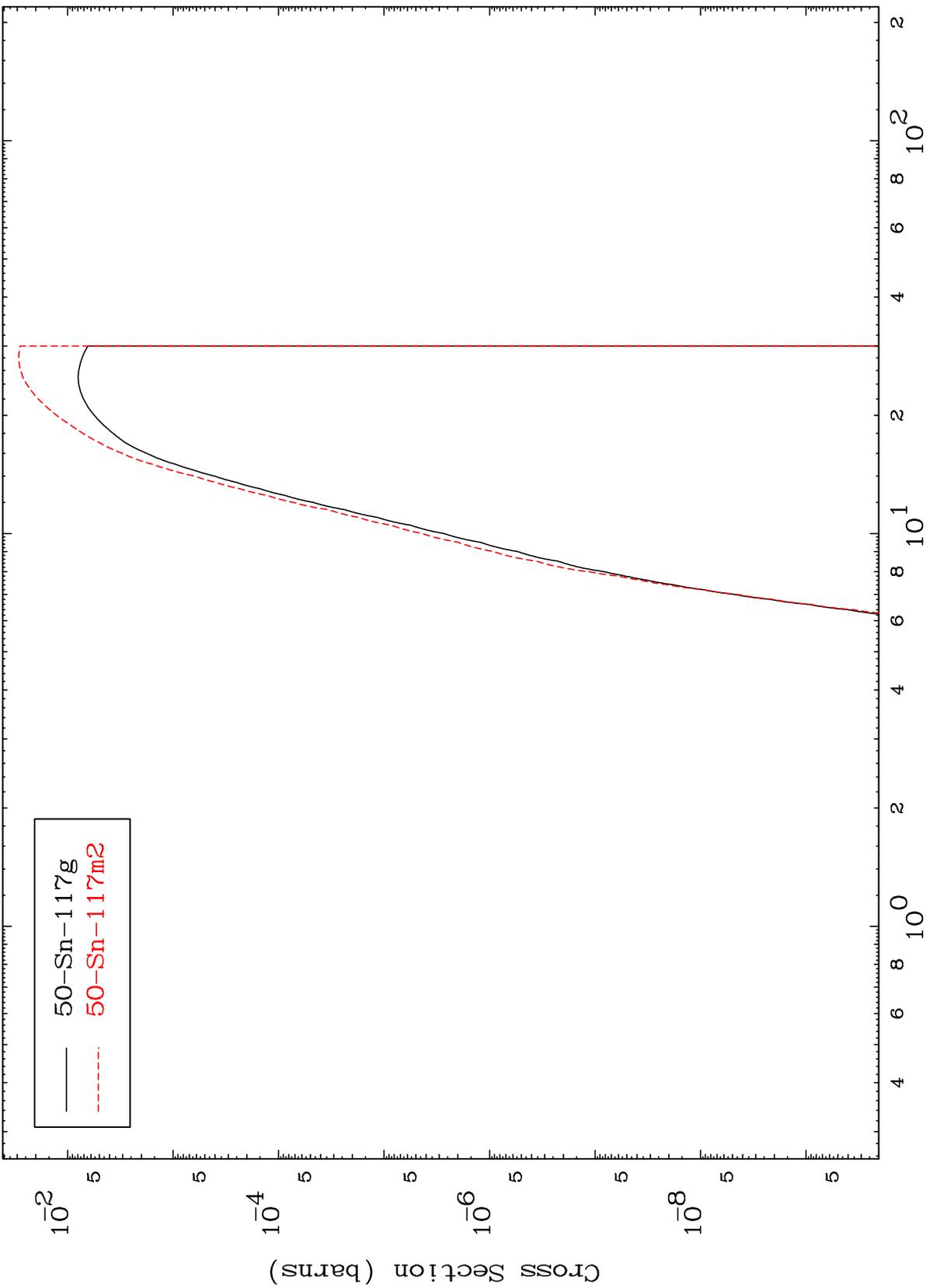


MAT 5229

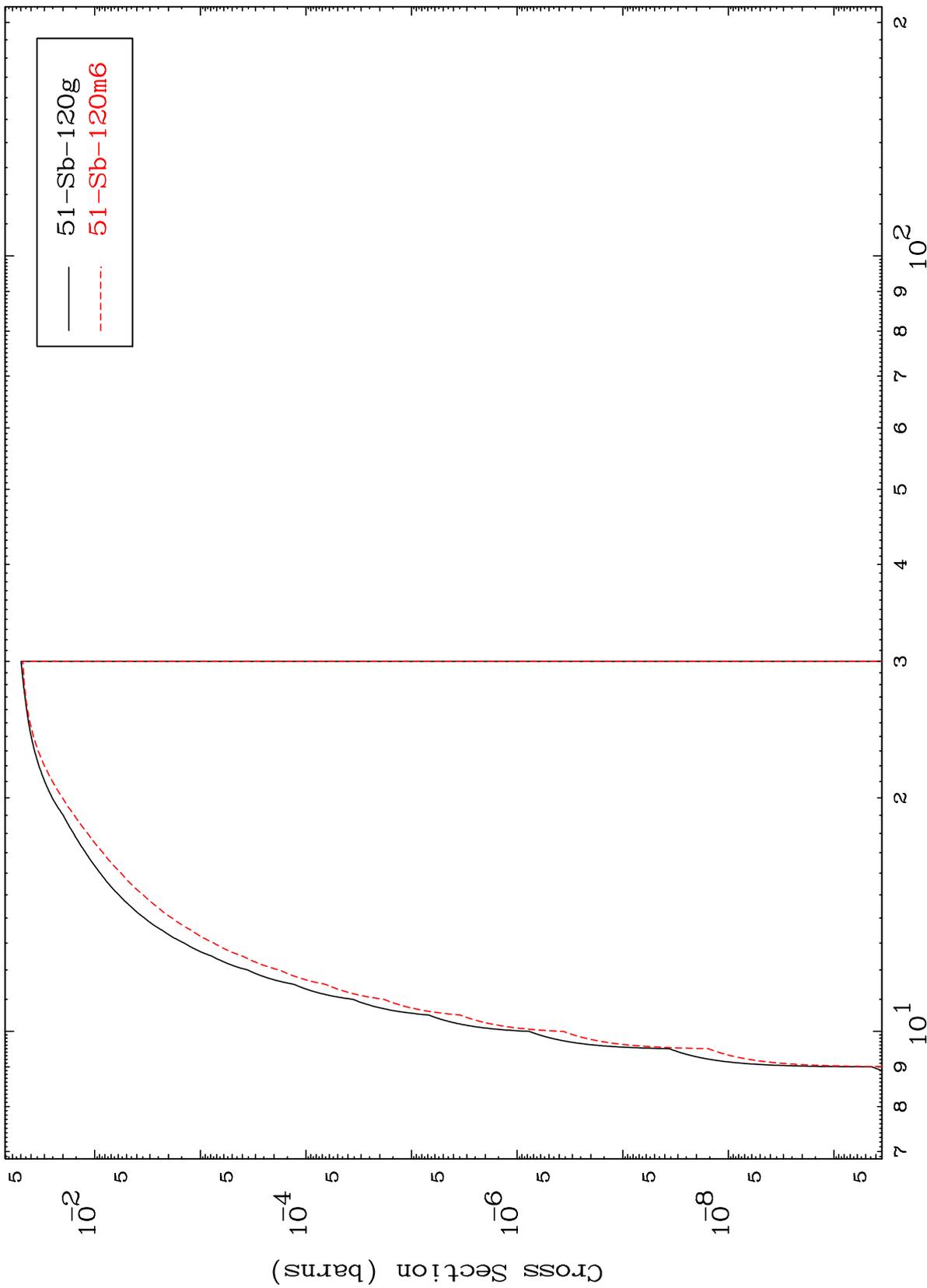
(n,n') α

52-Te-121

Radionuclide Production Cross Section



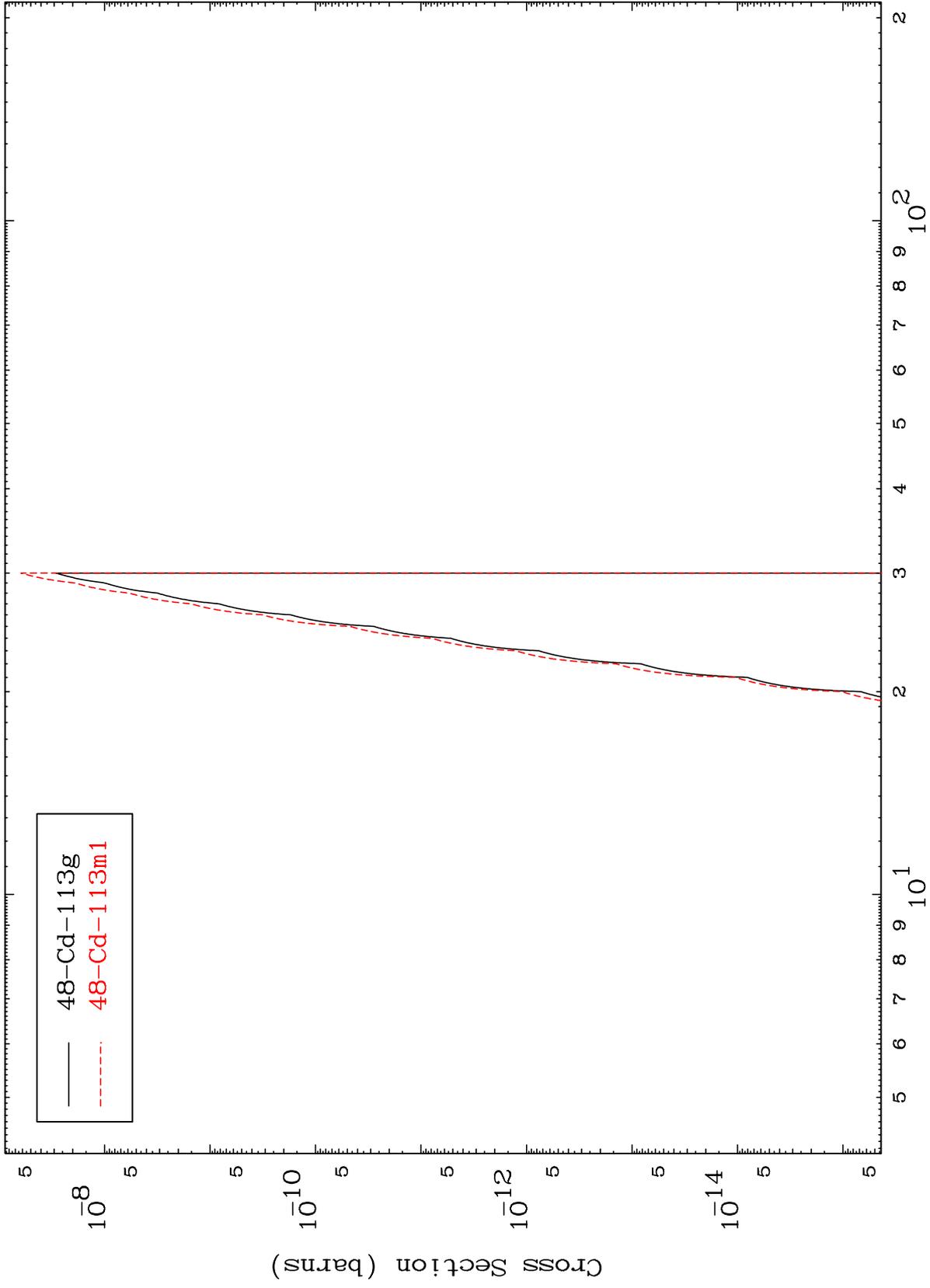
Radionuclide Production Cross Section



MAT 5229

52-Te-121

(n,n') 2α
Radionuclide Production Cross Section



24

Incident Energy (MeV)

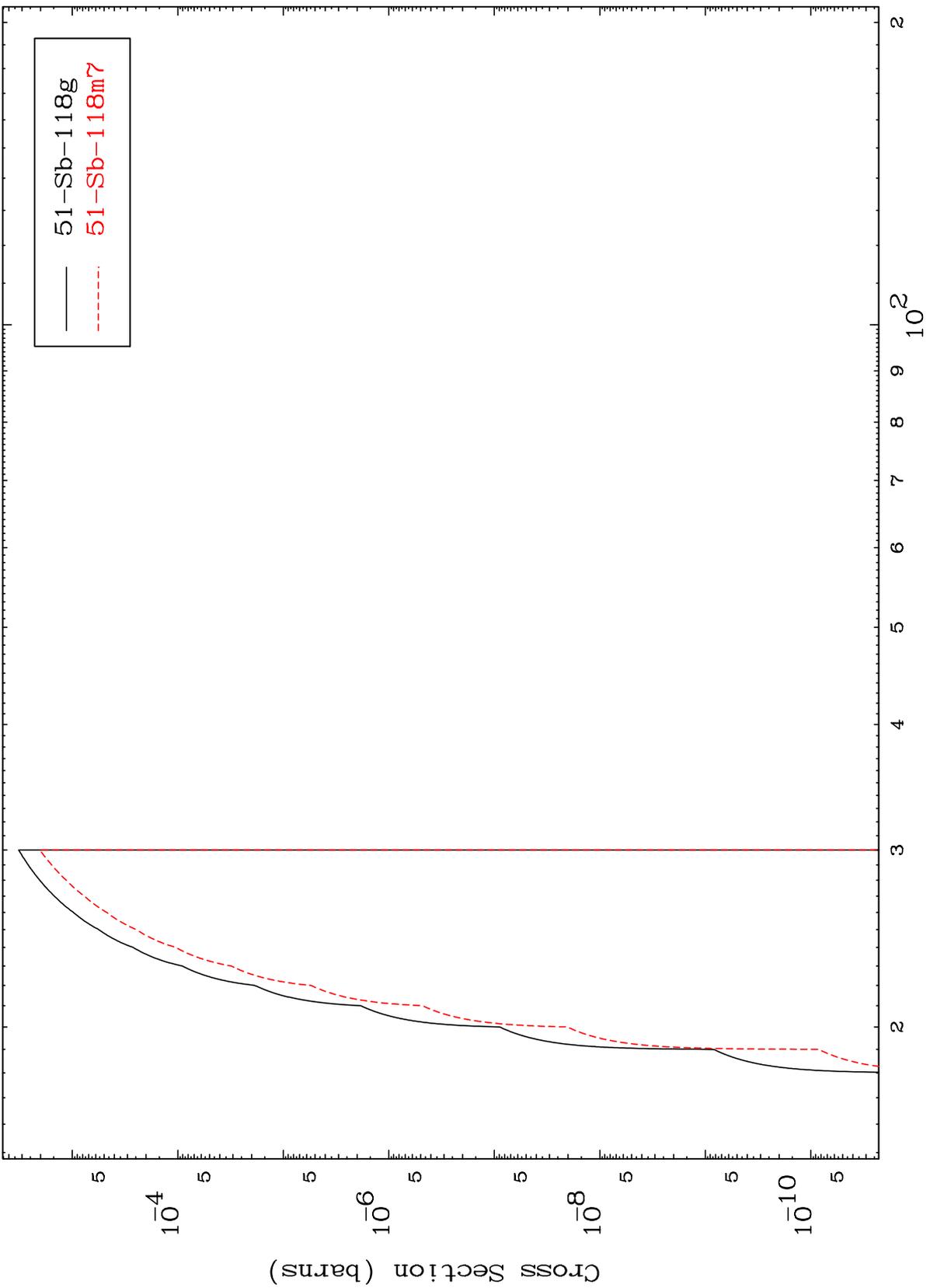
52-Te-121

MAT 5229

(n,n') t

52-Te-121

Radionuclide Production Cross Section



51-Sb-118g
51-Sb-118m7

25

Incident Energy (MeV)

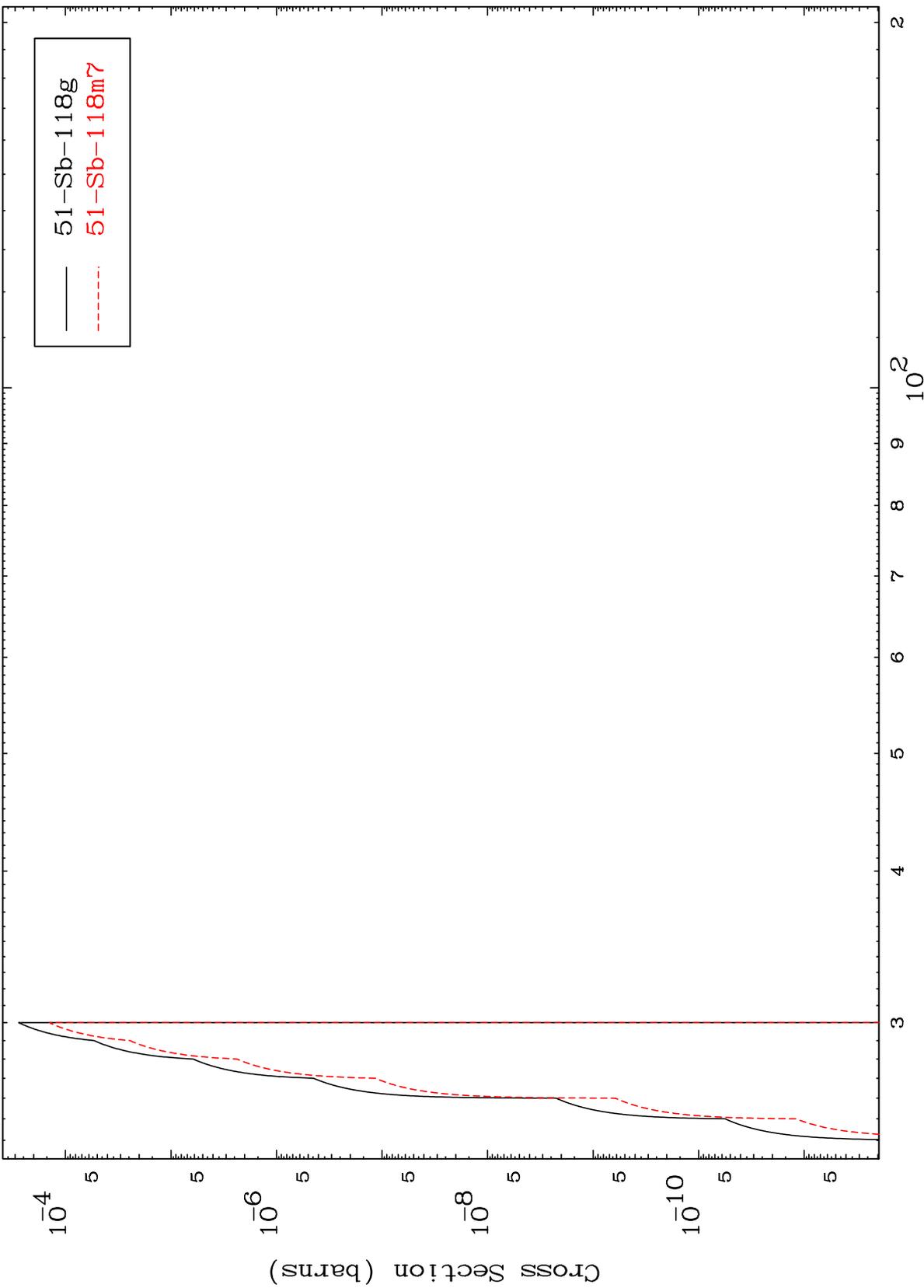
52-Te-121

MAT 5229

(n,3n) p

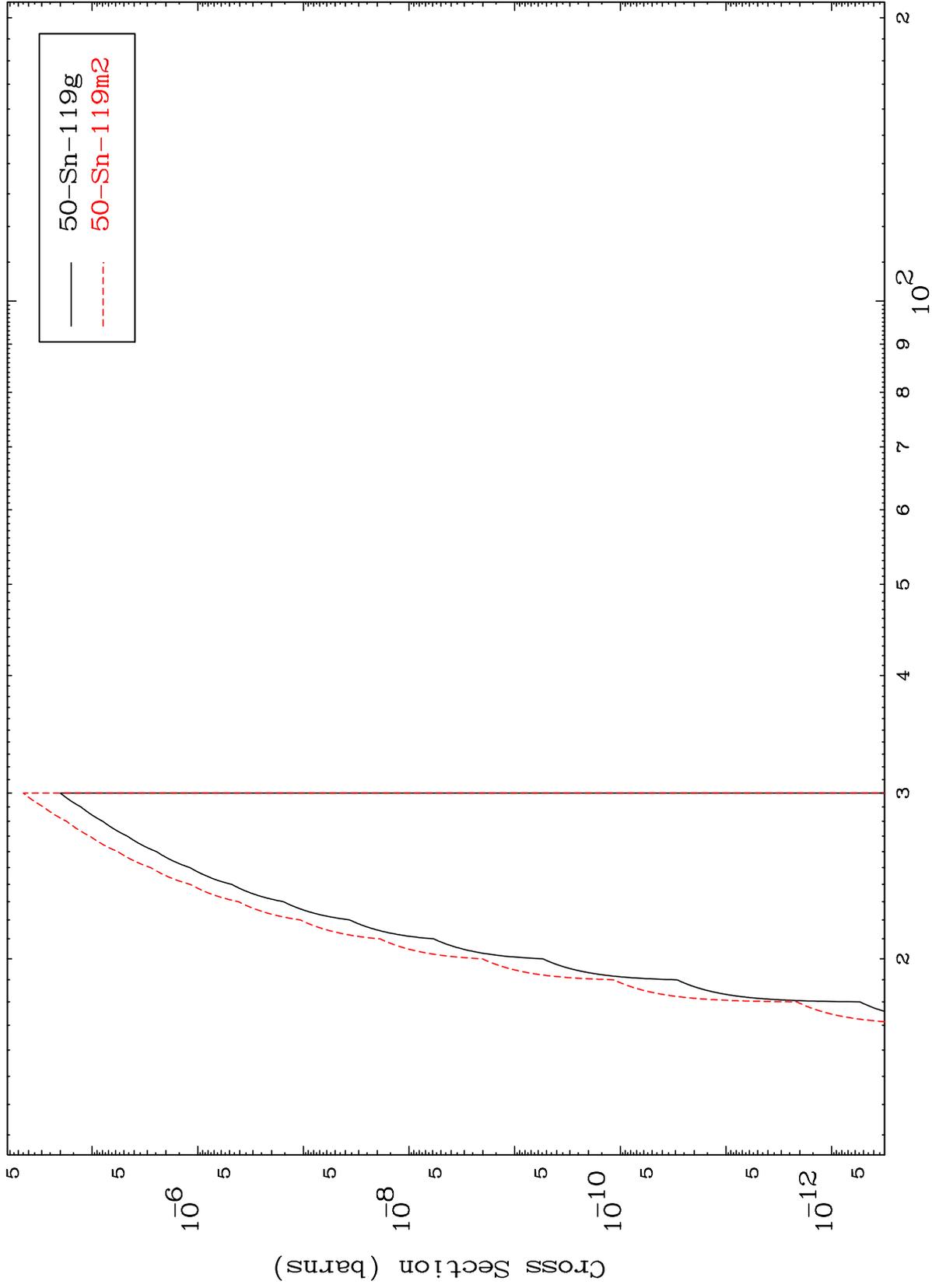
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Radionuclide Production Cross Section

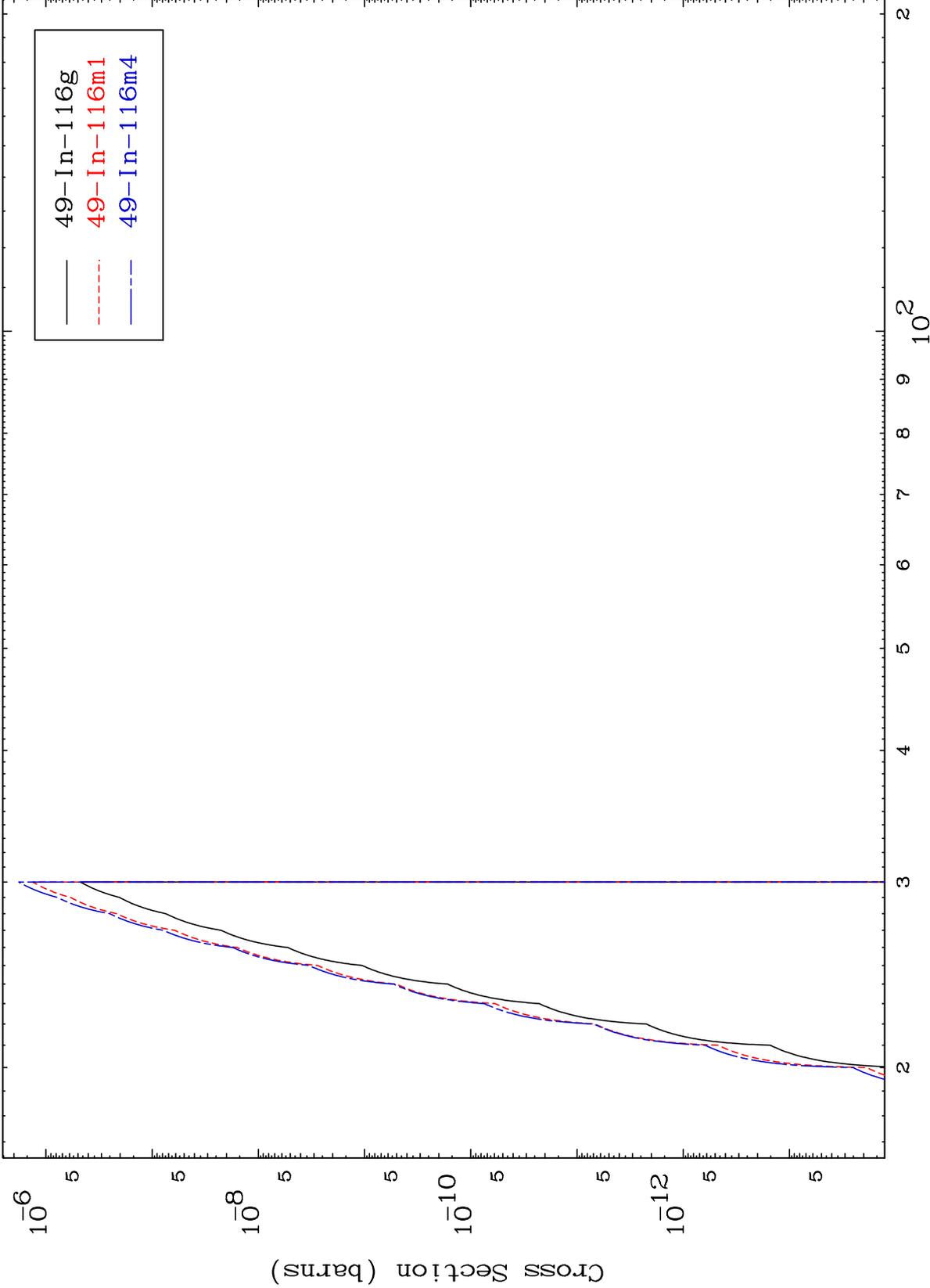


51-Sb-118g
51-Sb-118m7

Radionuclide Production Cross Section



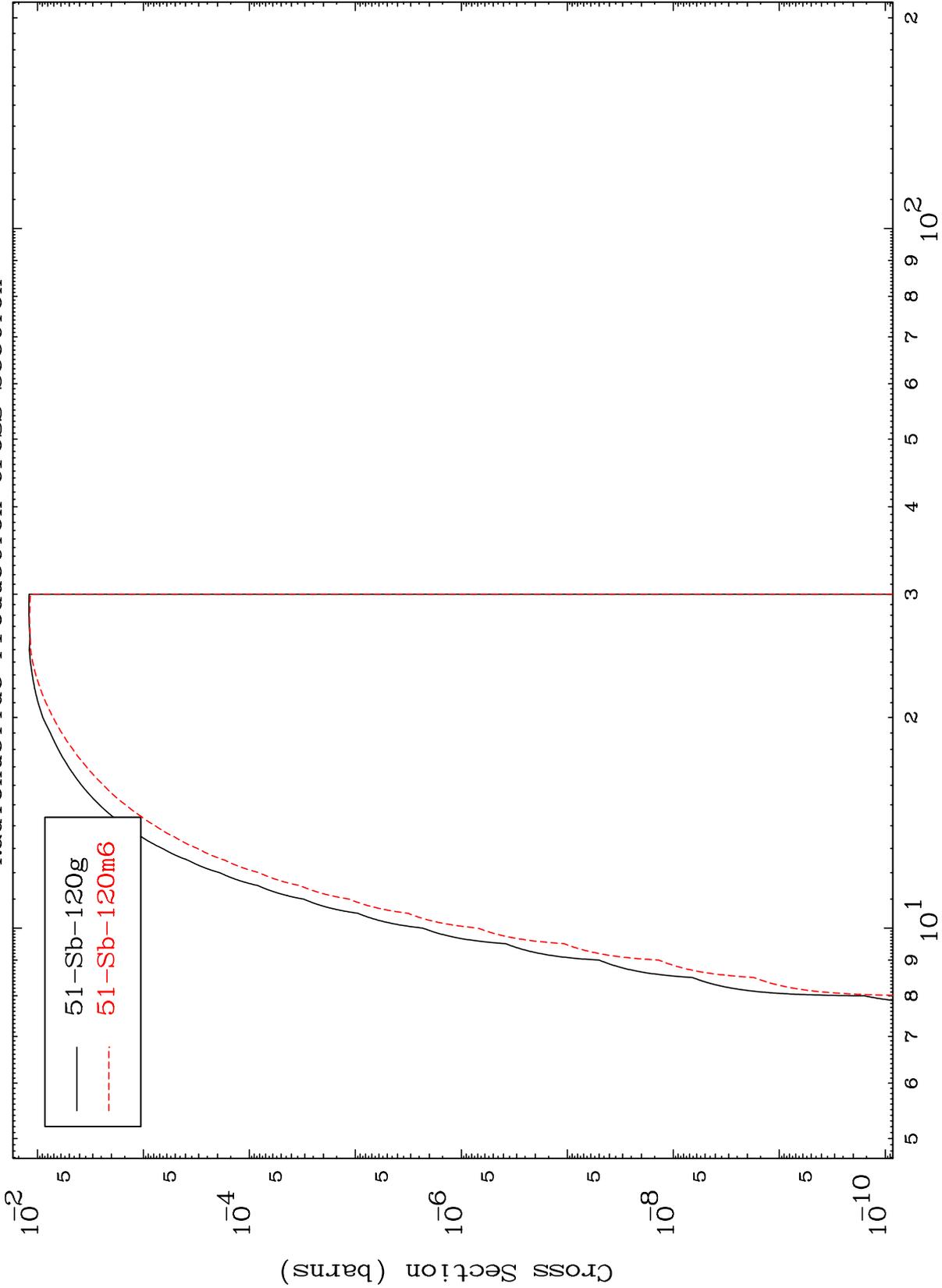
Radionuclide Production Cross Section



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52-Te-121

(n,d)
Radionuclide Production Cross Section



29

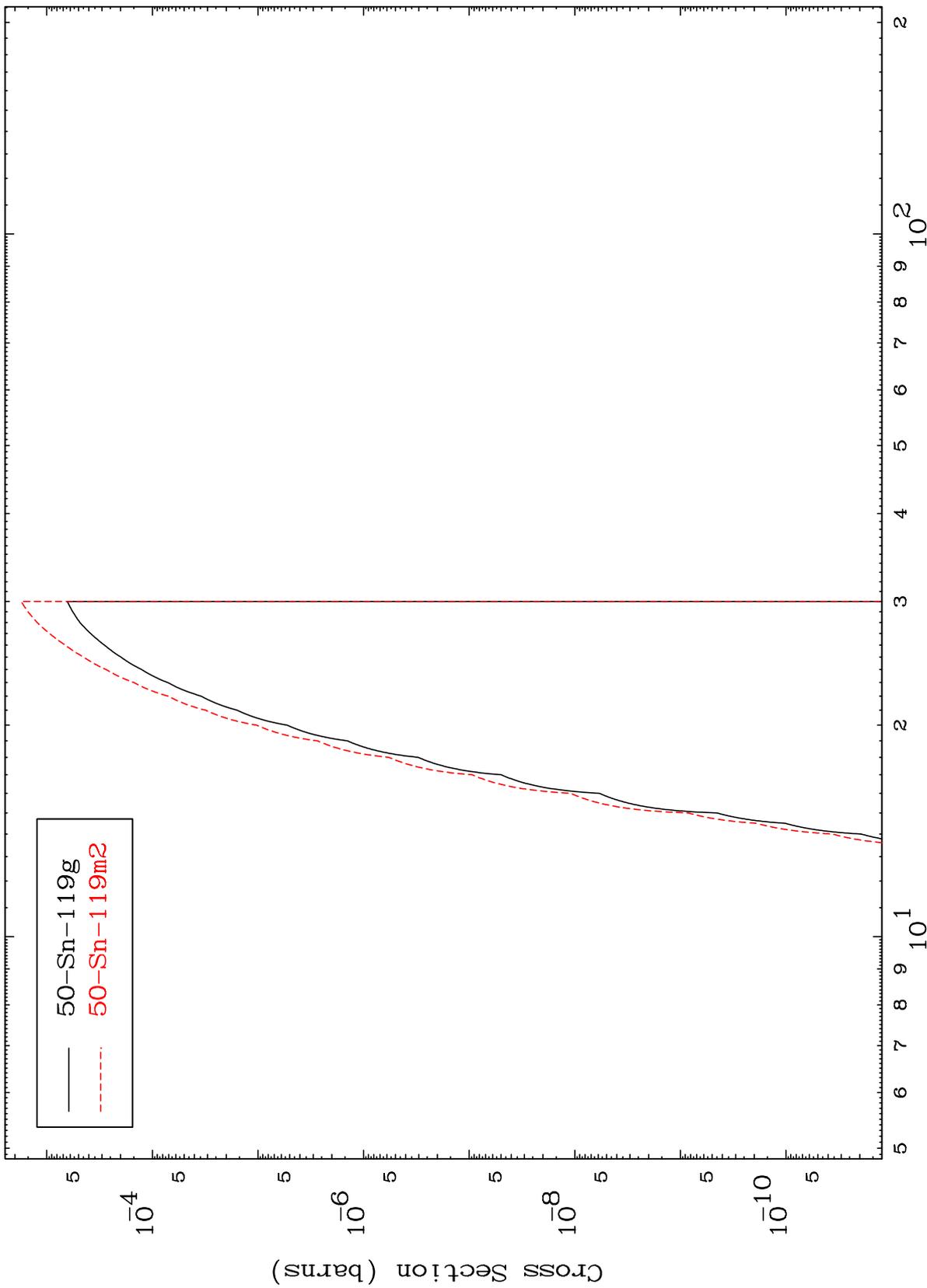
Incident Energy (MeV)

52-Te-121

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52-Te-121

(n,He-3)
Radionuclide Production Cross Section



30

Incident Energy (MeV)

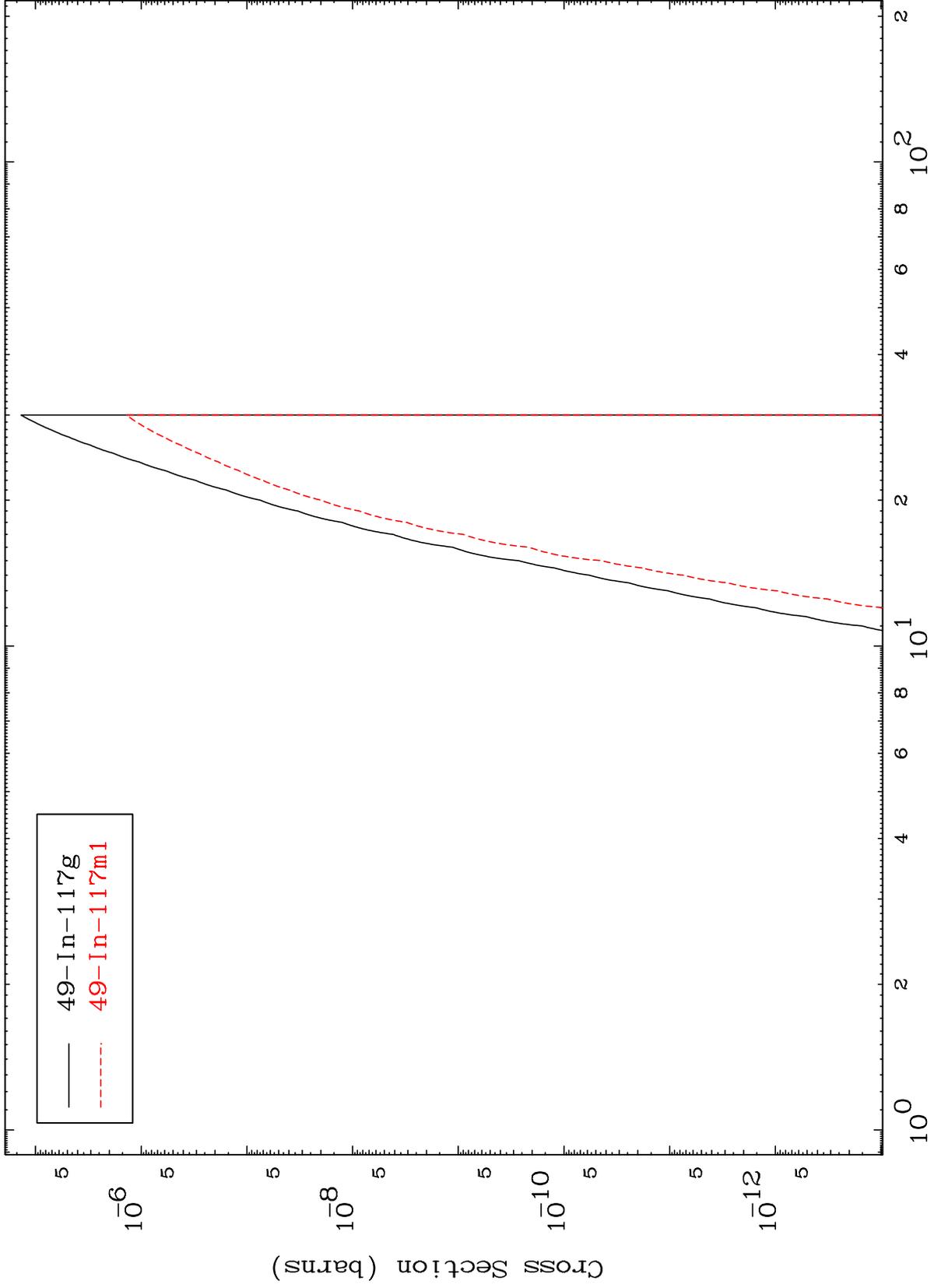
52-Te-121

MAT 5229

(n,p) α

52-Te-121

Radionuclide Production Cross Section



31

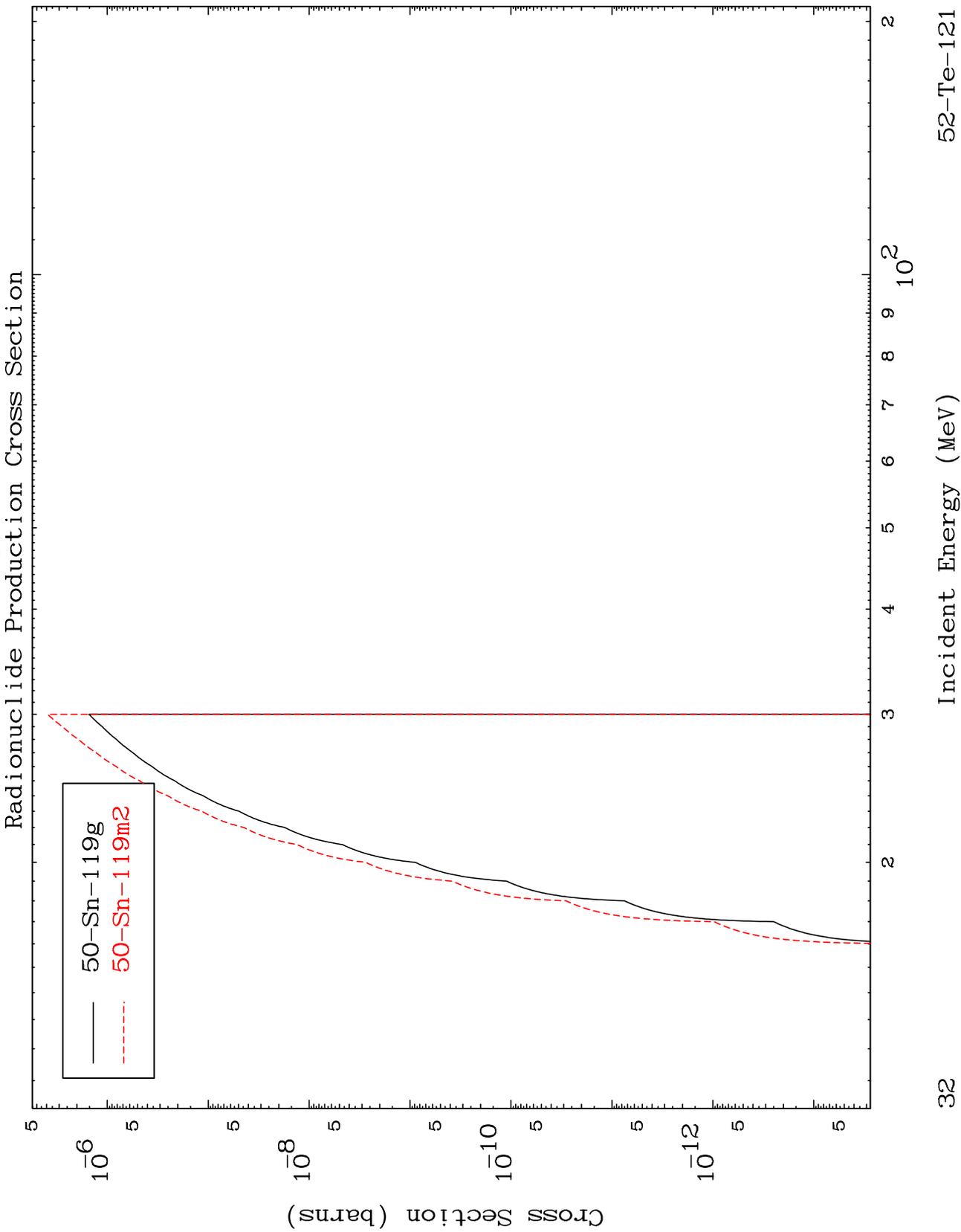
Incident Energy (MeV)

52-Te-121

MAT 5229

(n,p) d

52-Te-121



Radionuclide Production Cross Section

