

Program EVALPLOT
(Version 2018-1)

by

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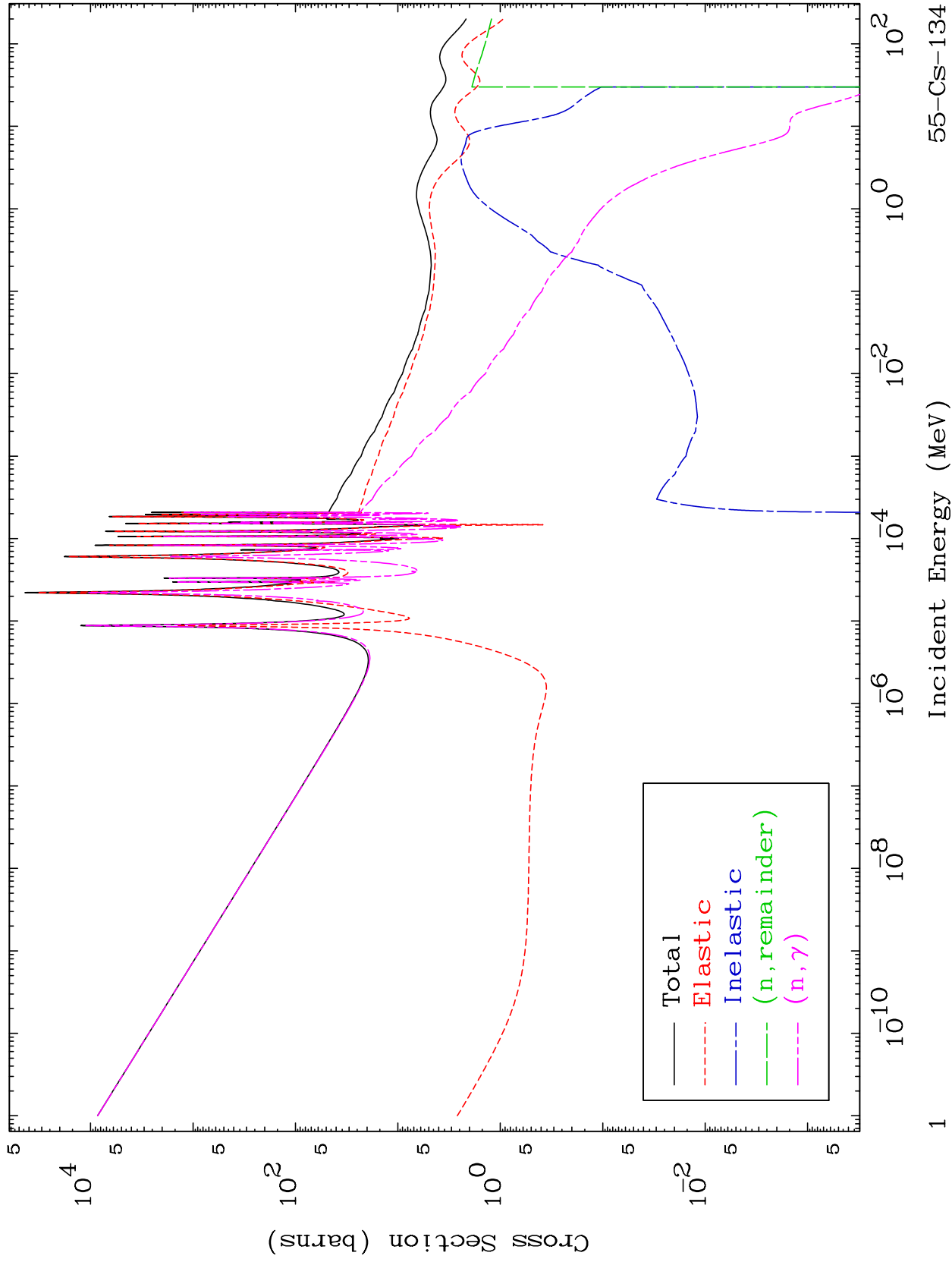
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Press Mouse Button to Start

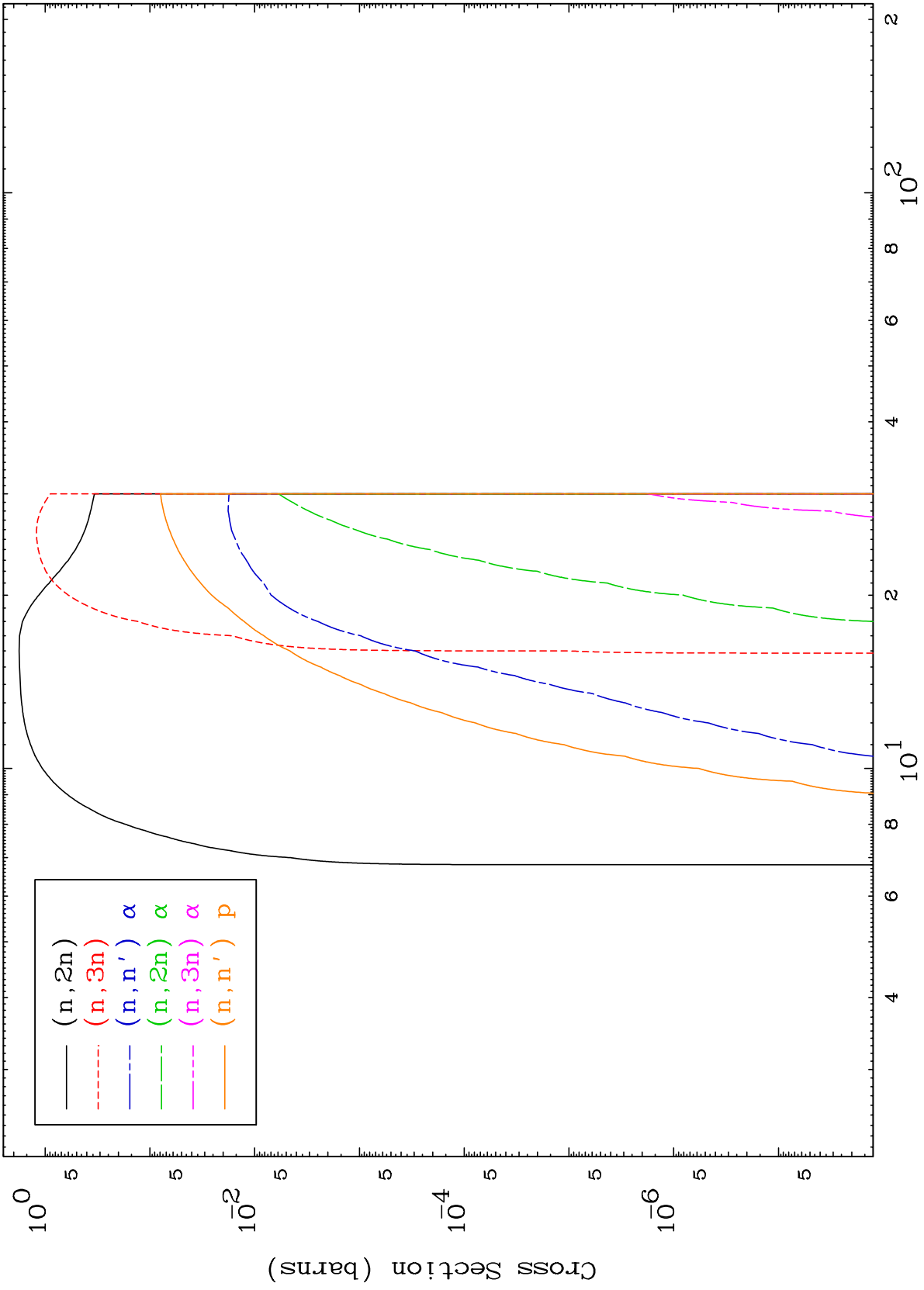
MAT 5529

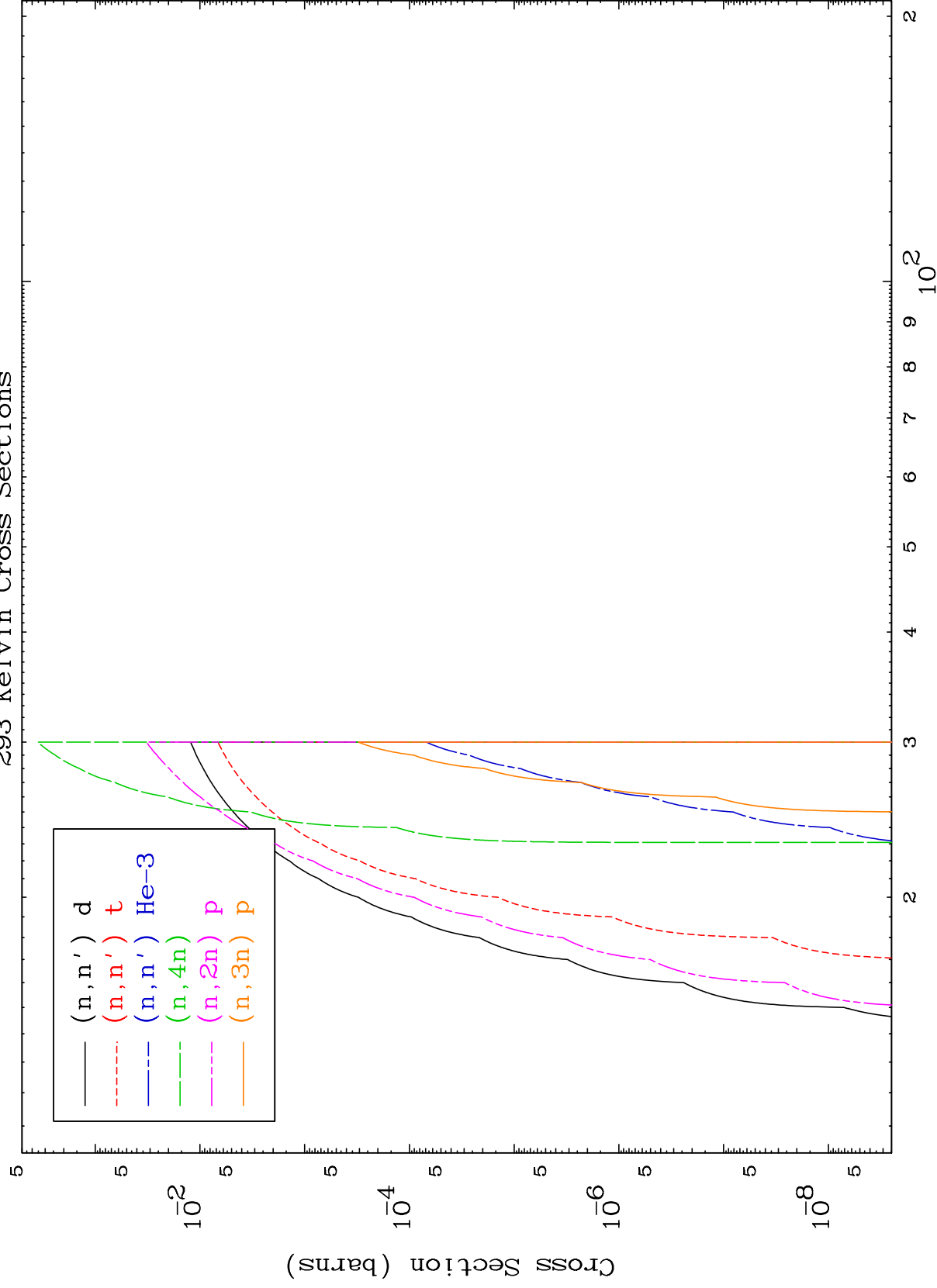
Major
293 Kelvin Cross Sections

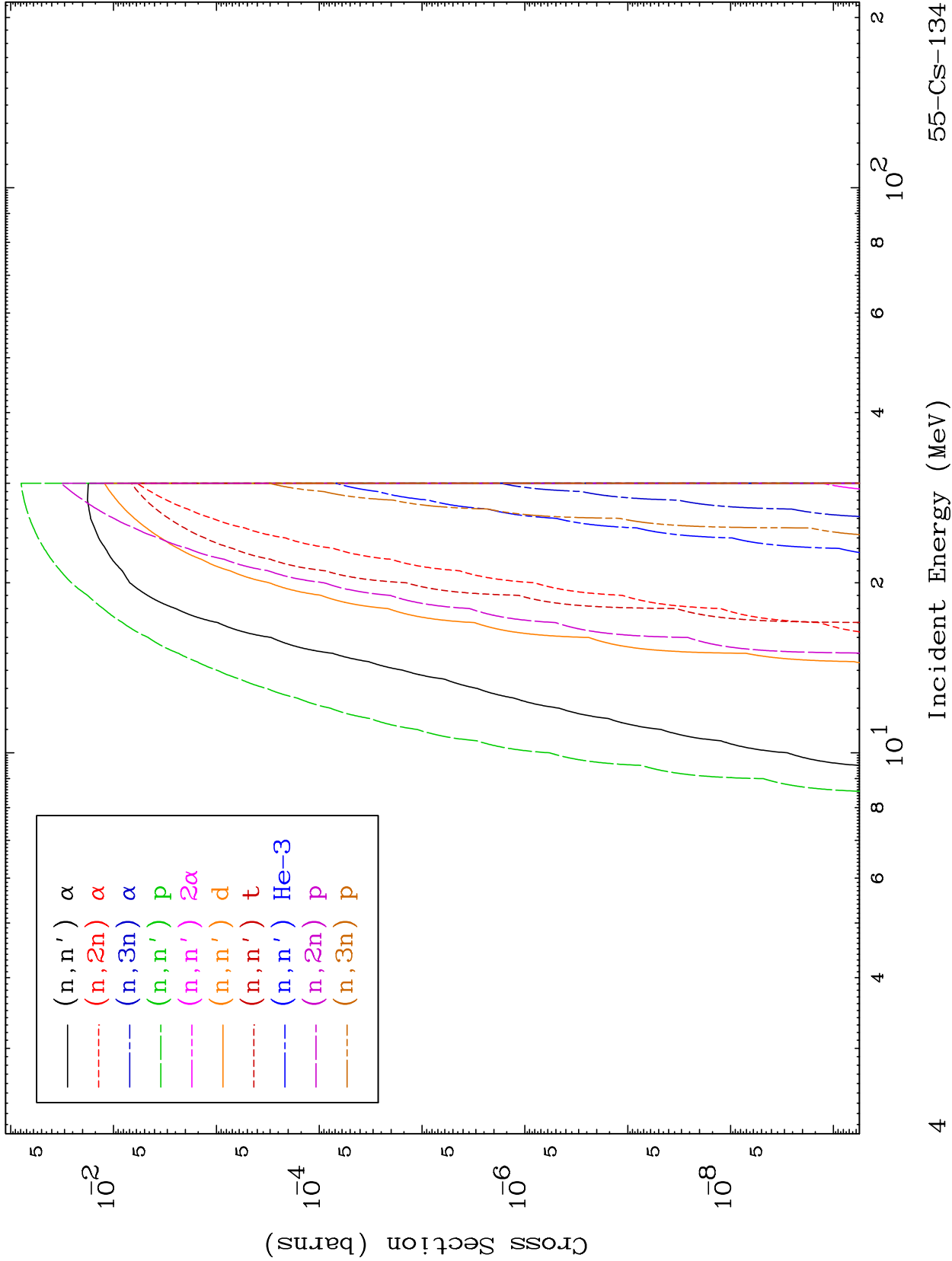
55-Cs-134



Neutron Production
293 Kelvin Cross Sections



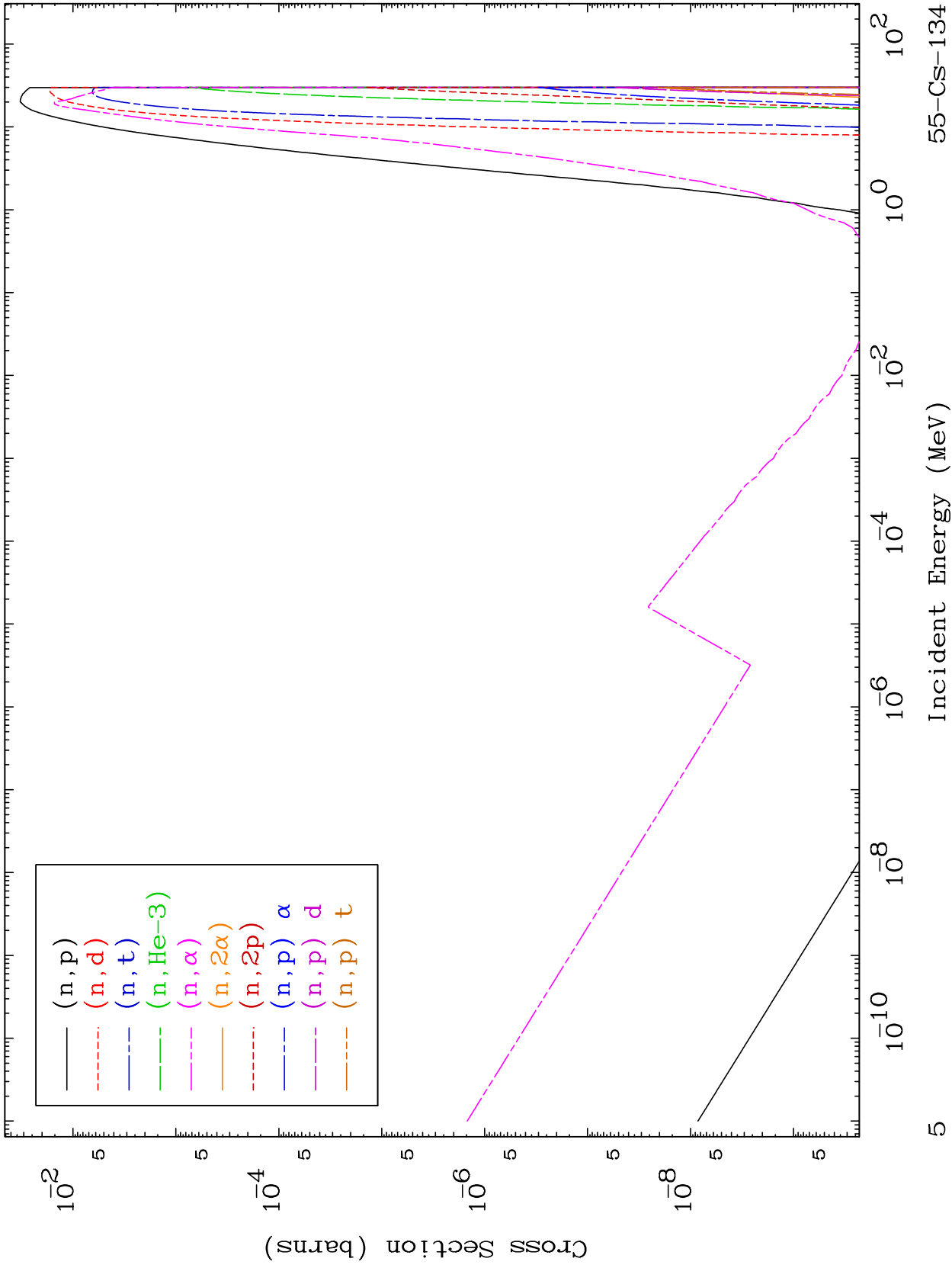




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Charged Particle
293 Kelvin Cross Sections

55-Cs-134

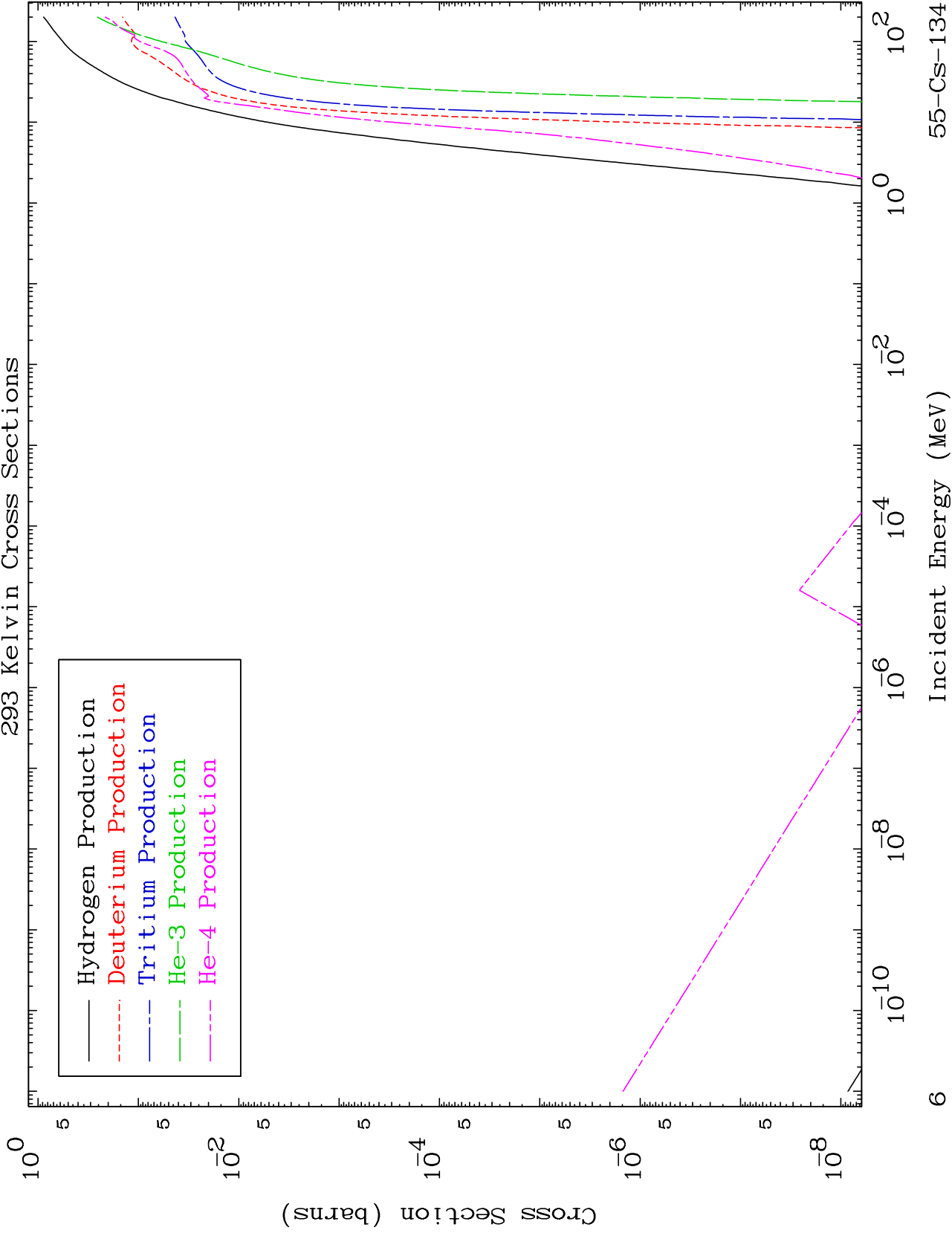


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Particle Production
293 Kelvin Cross Sections

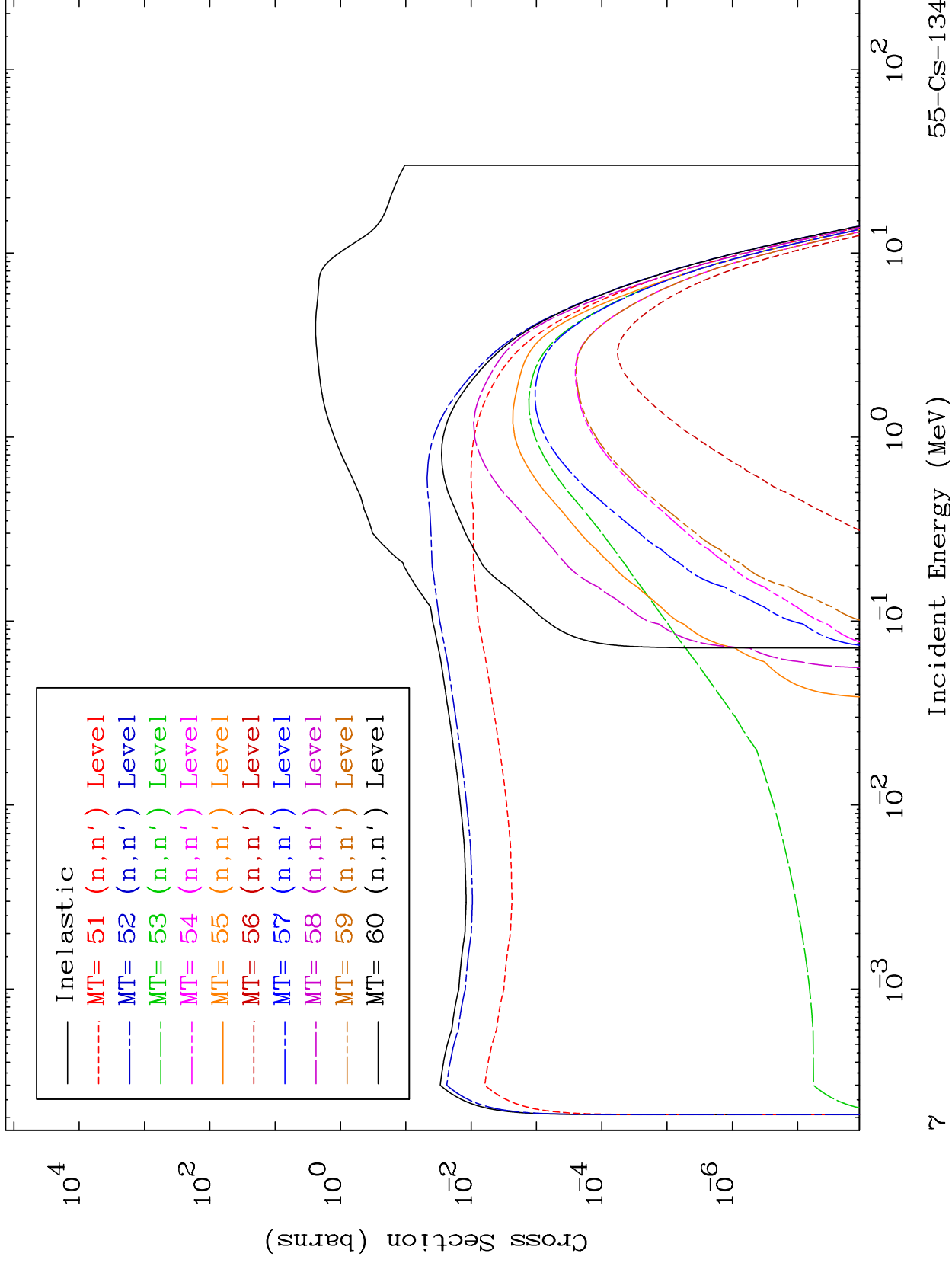
55-Cs-134



MAT 5529

(n,n') Level
293 Kelvin Cross Sections

55-Cs-134

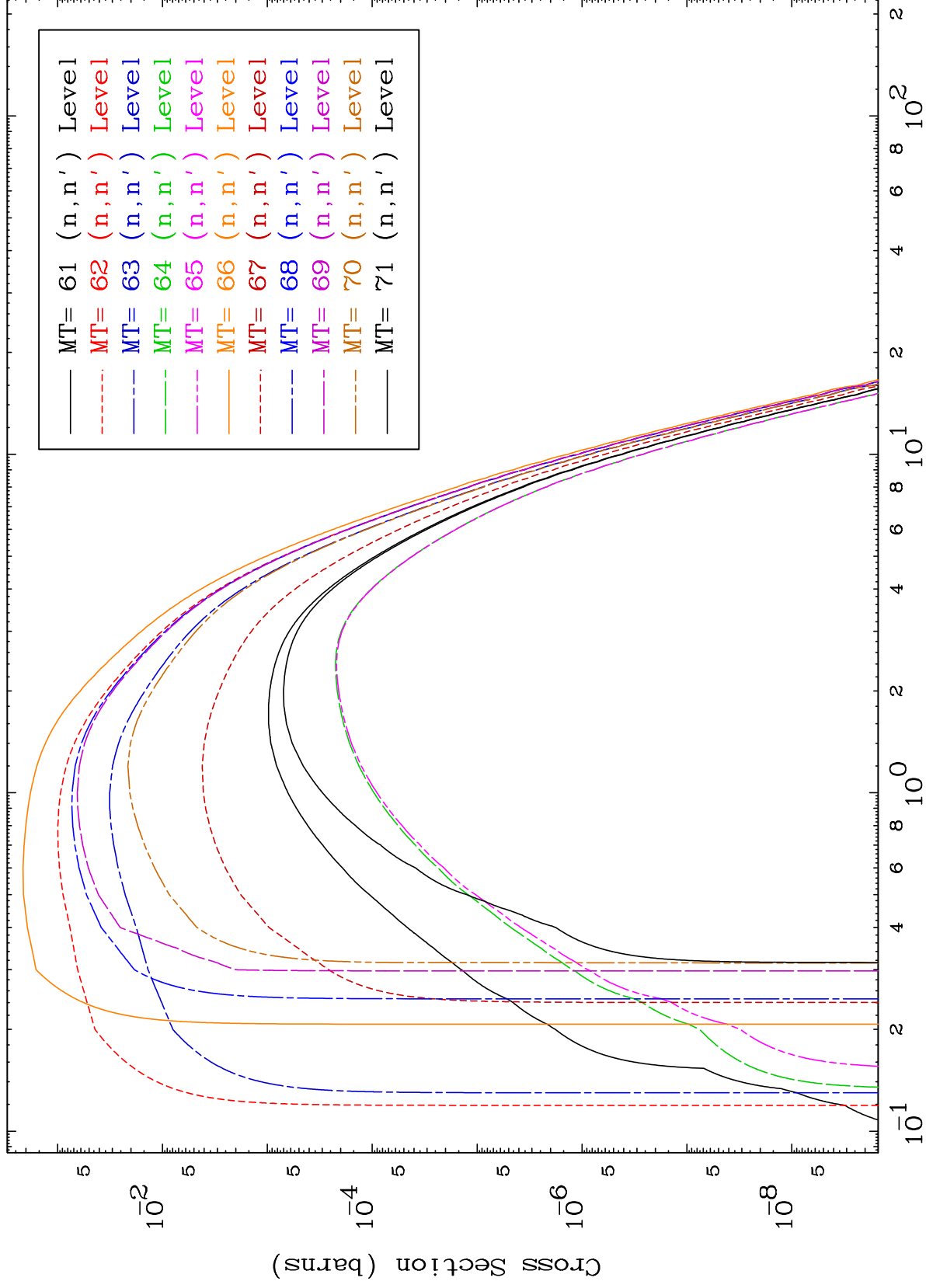


MAT 5529

(n,n') Level

55-Cs-134

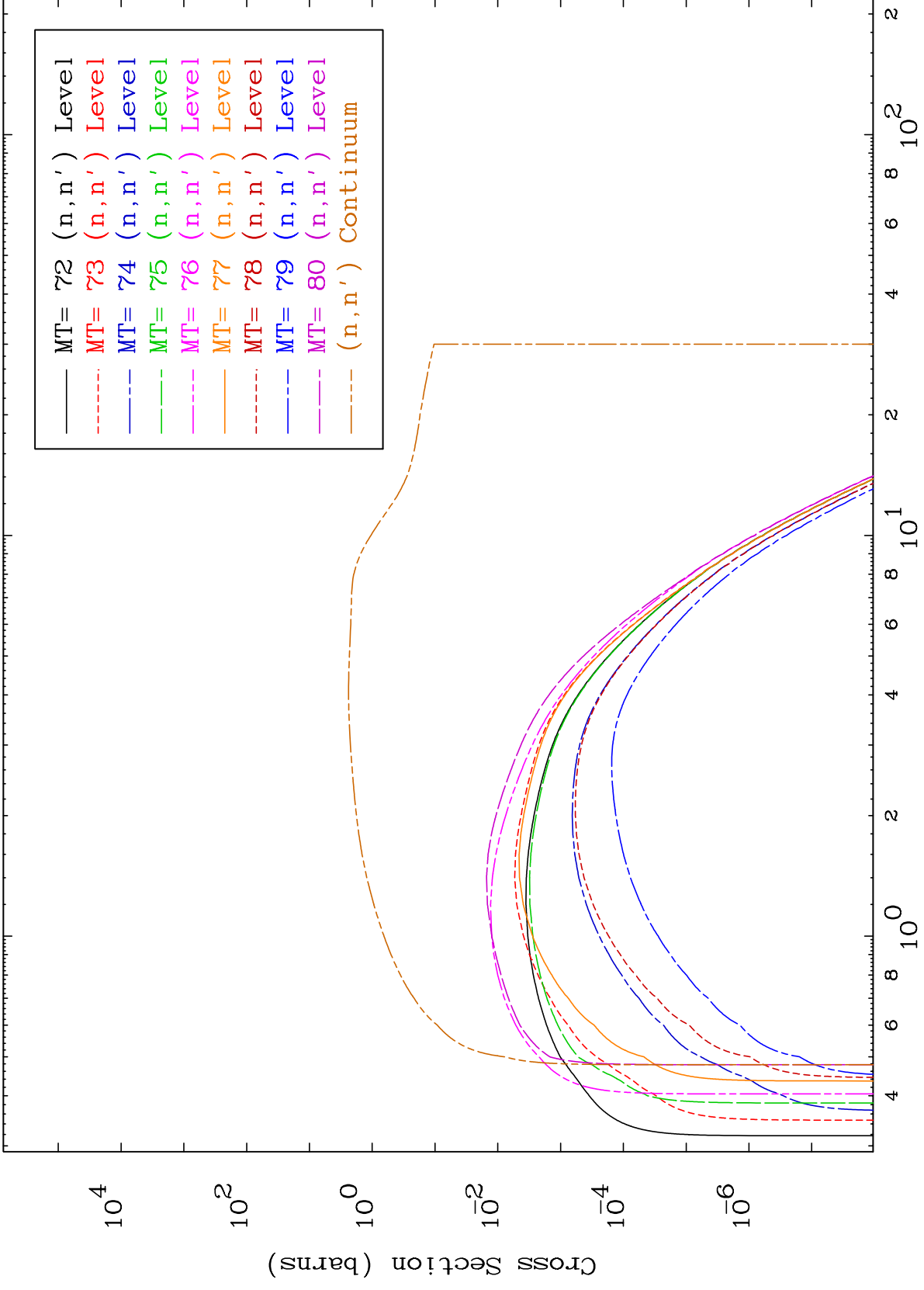
293 Kelvin Cross Sections



Incident Energy (MeV)

55-Cs-134

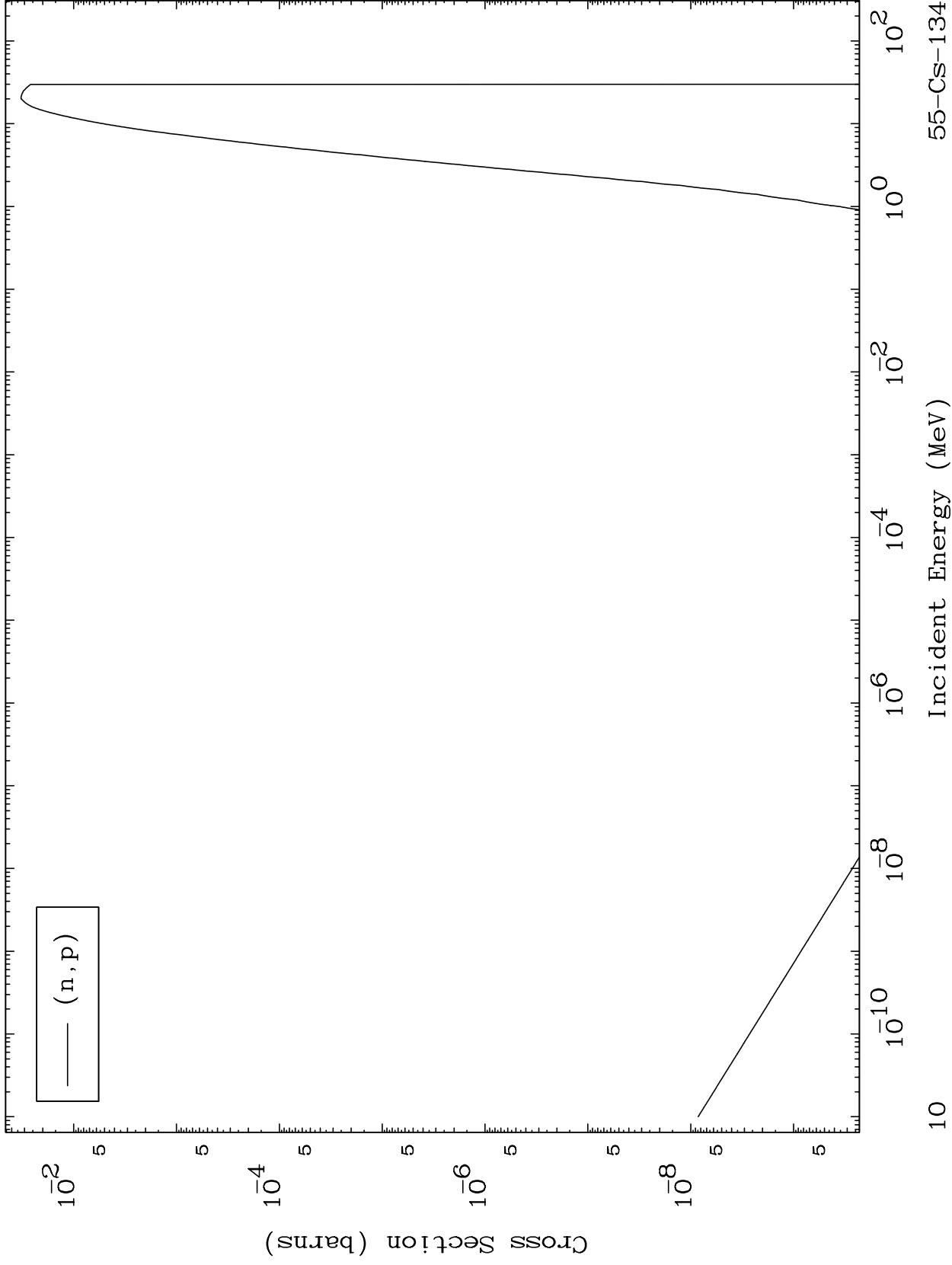
293 Kelvin Cross Sections



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(n,p) Levels
293 Kelvin Cross Sections

55-Cs-134



10

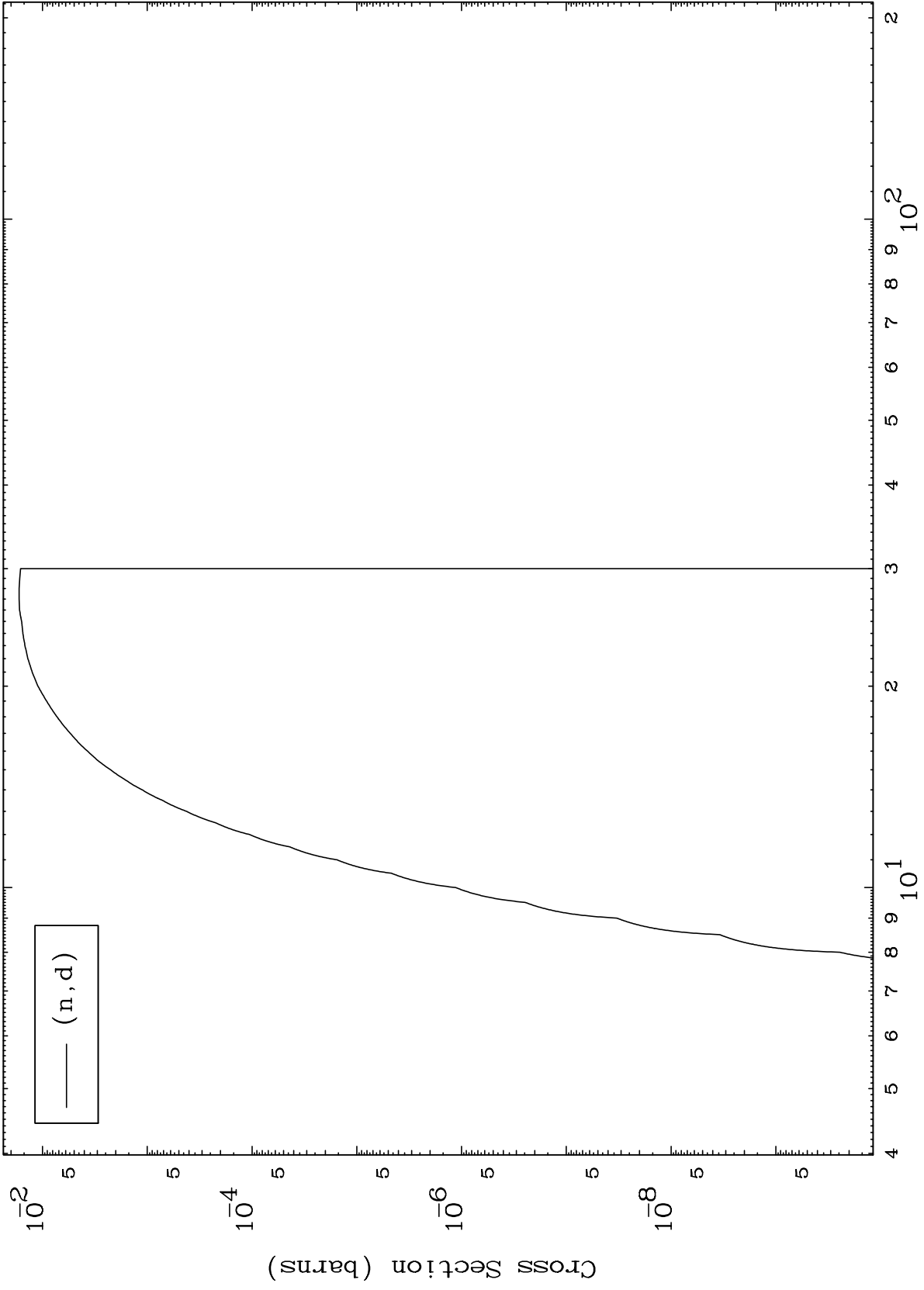
Incident Energy (MeV)

55-Cs-134

MAT 5529

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-134



11

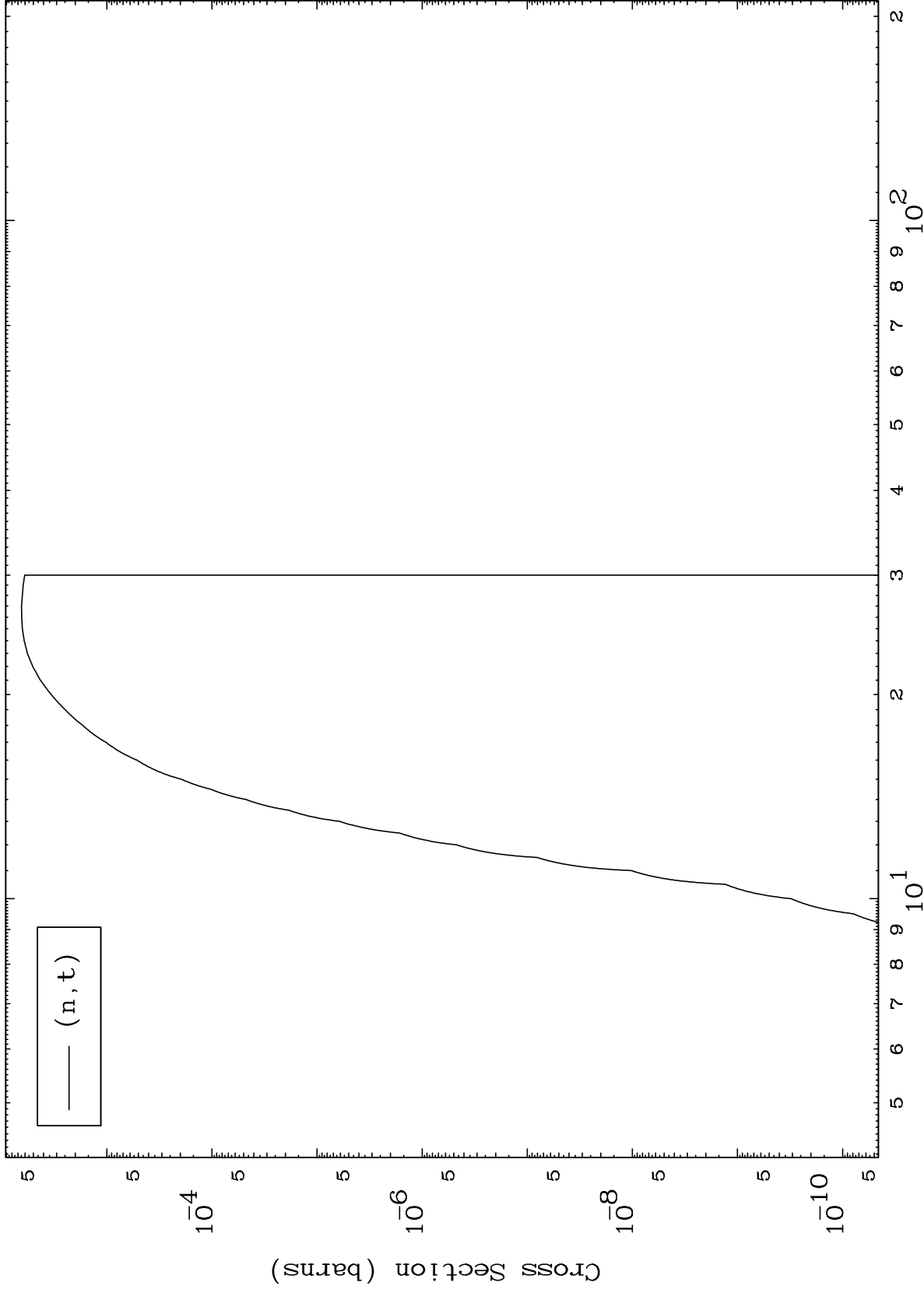
Incident Energy (MeV)

55-Cs-134

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(n,t) Levels
293 Kelvin Cross Sections

55-Cs-134



12

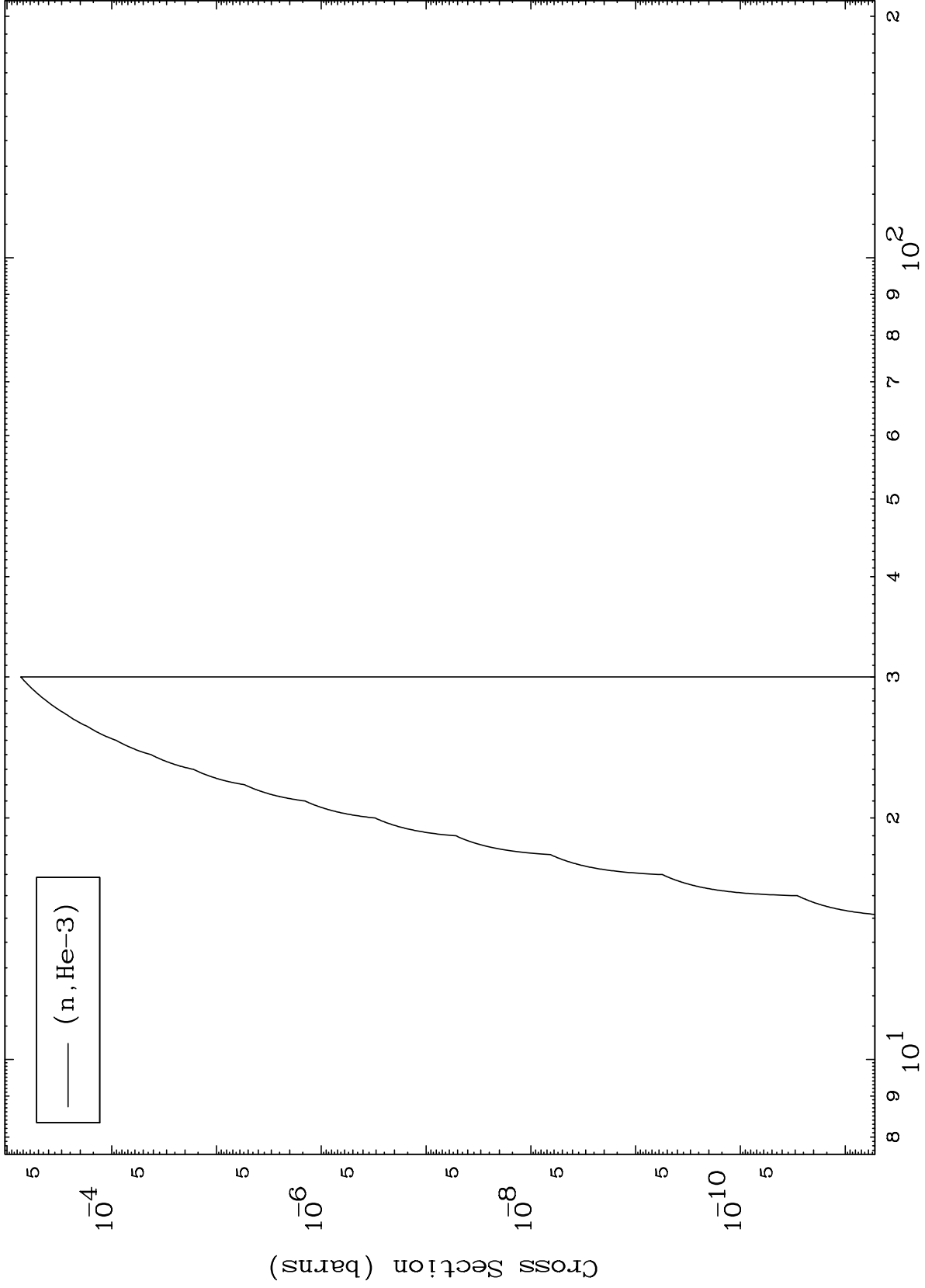
Incident Energy (MeV)

55-Cs-134

MAT 5529

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-134



13

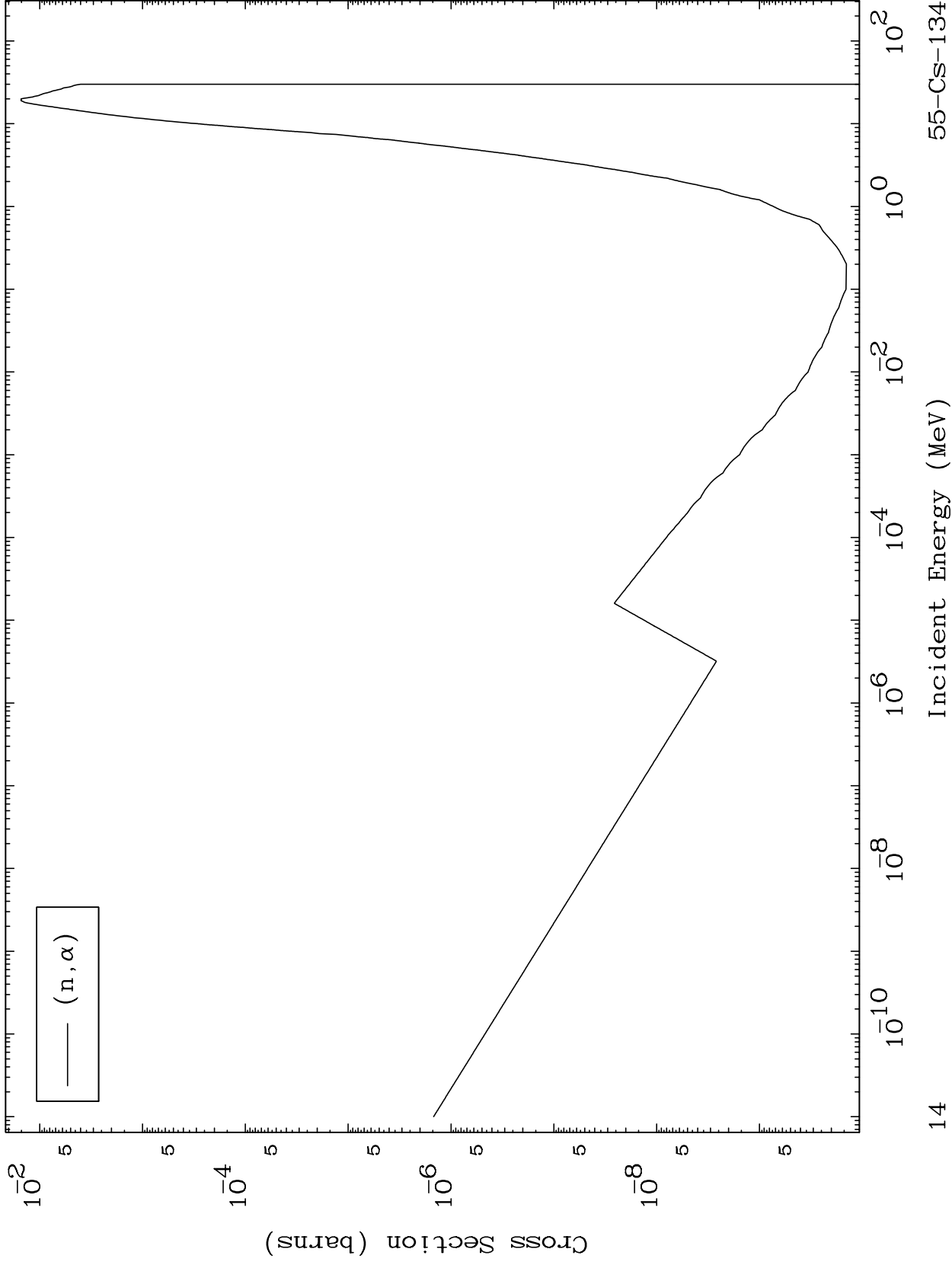
Incident Energy (MeV)

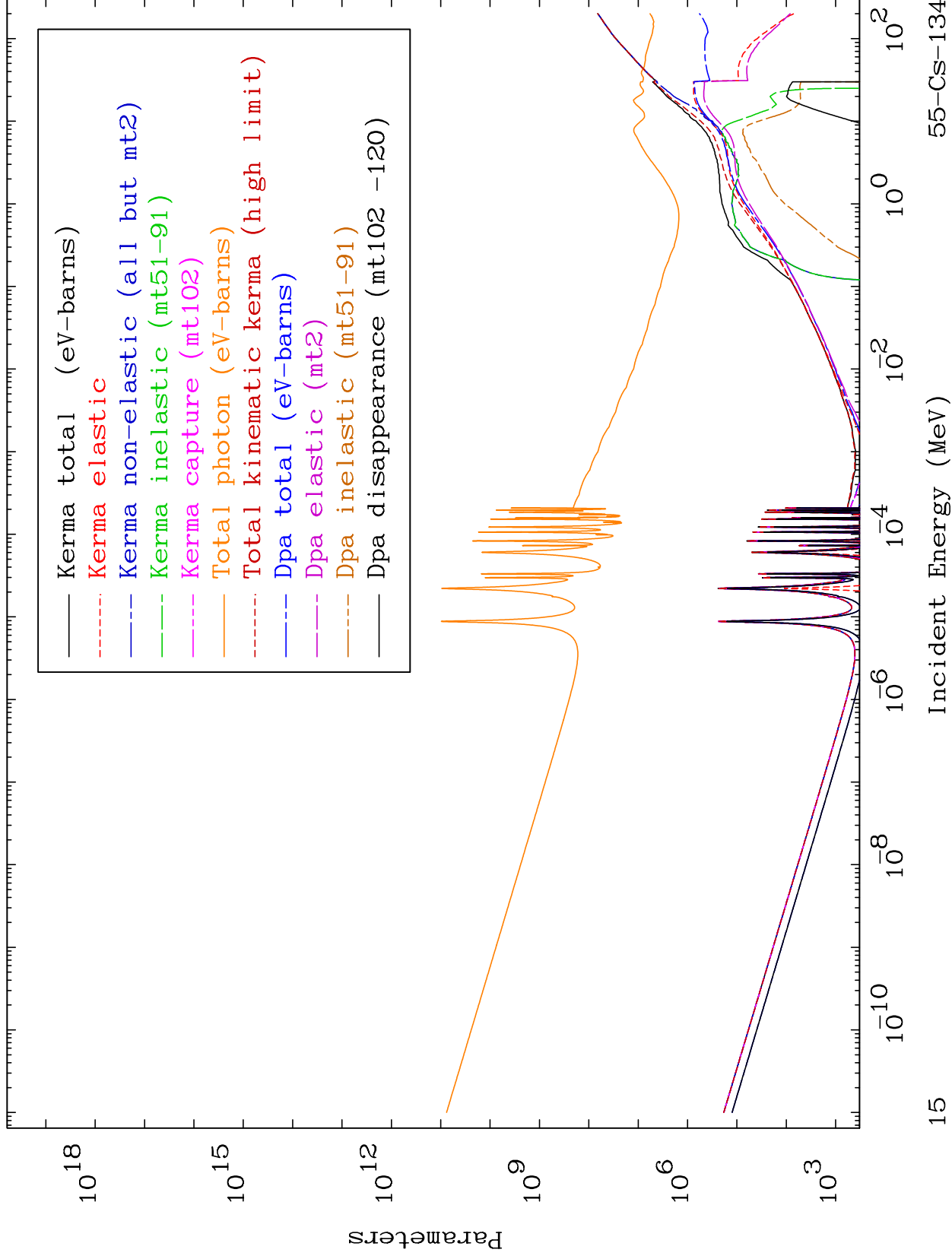
55-Cs-134

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(n, α) Levels
293 Kelvin Cross Sections

55-Cs-134

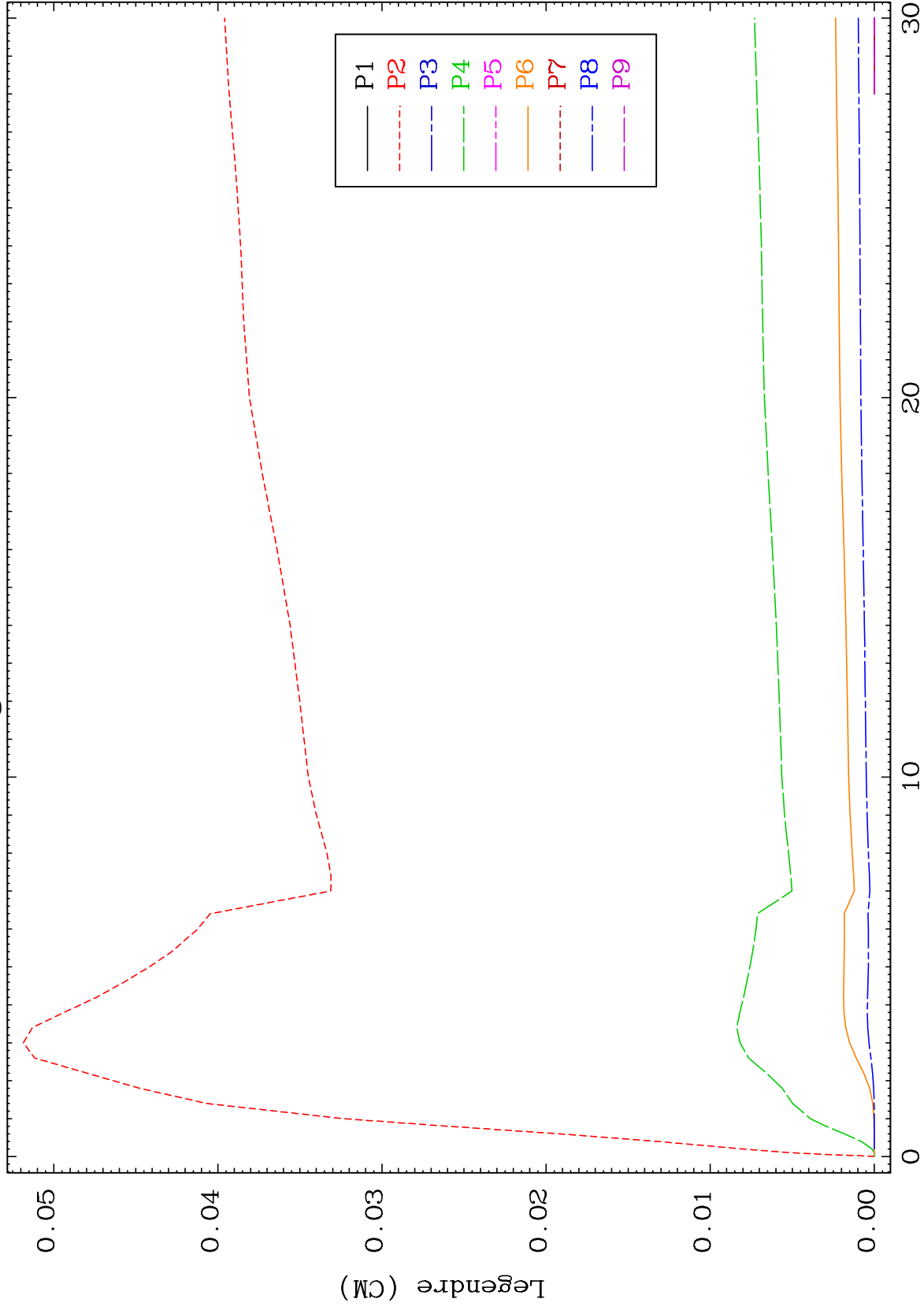




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Elastic
Legendre Coefficients

55-Cs-134



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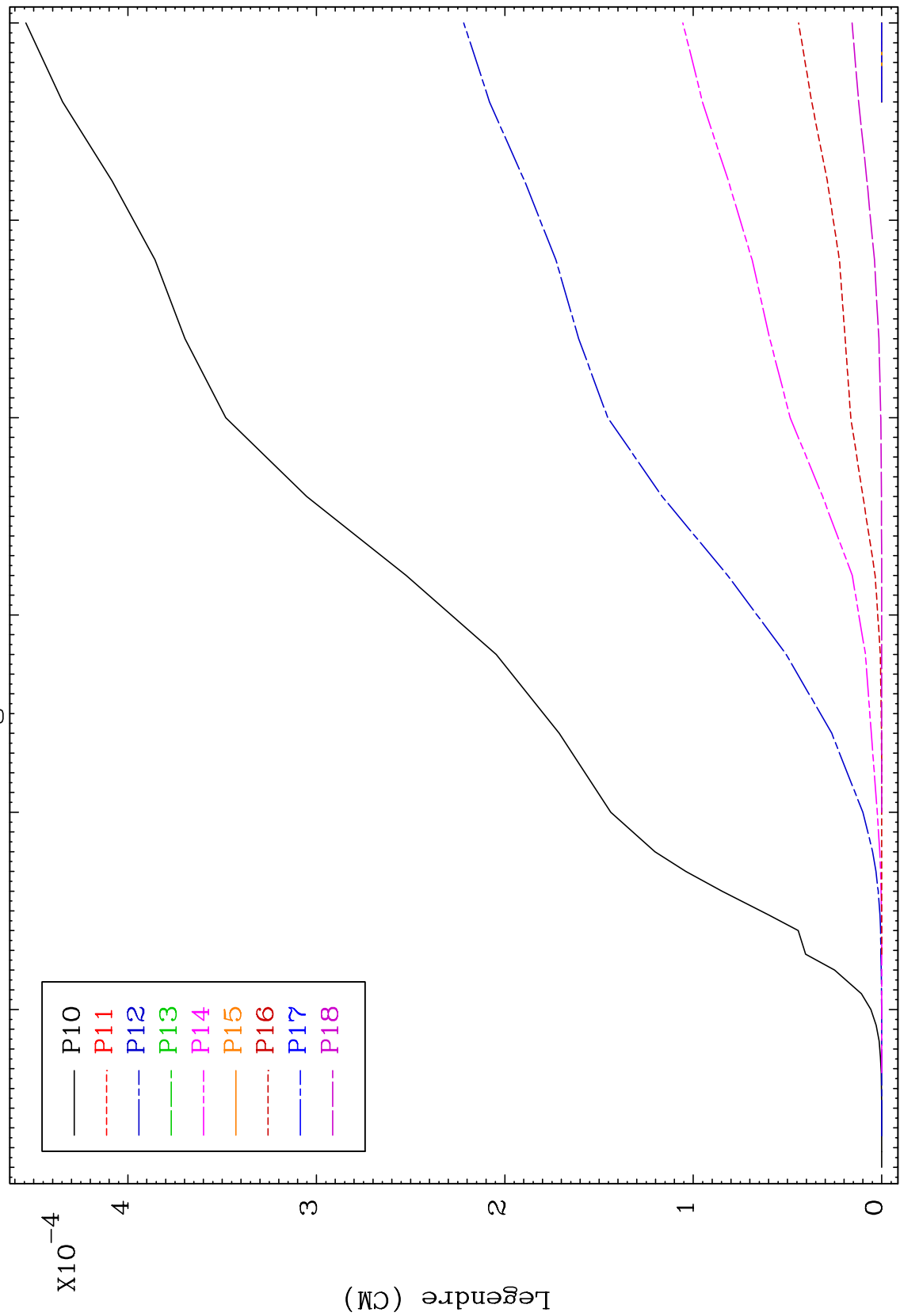
Incident Energy (MeV)

55-Cs-134

MAT 5529

Elastic Legendre Coefficients

55-Cs-134



17

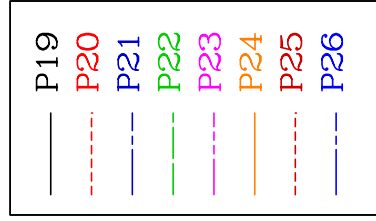
55-Cs-134

Incident Energy (MeV)

MAT 5529

Elastic
Legendre Coefficients

55-Cs-134



$\times 10^{-6}$
Legendre (CM)

1.0

0.8

0.6

0.4

0.2

0.0

15

20

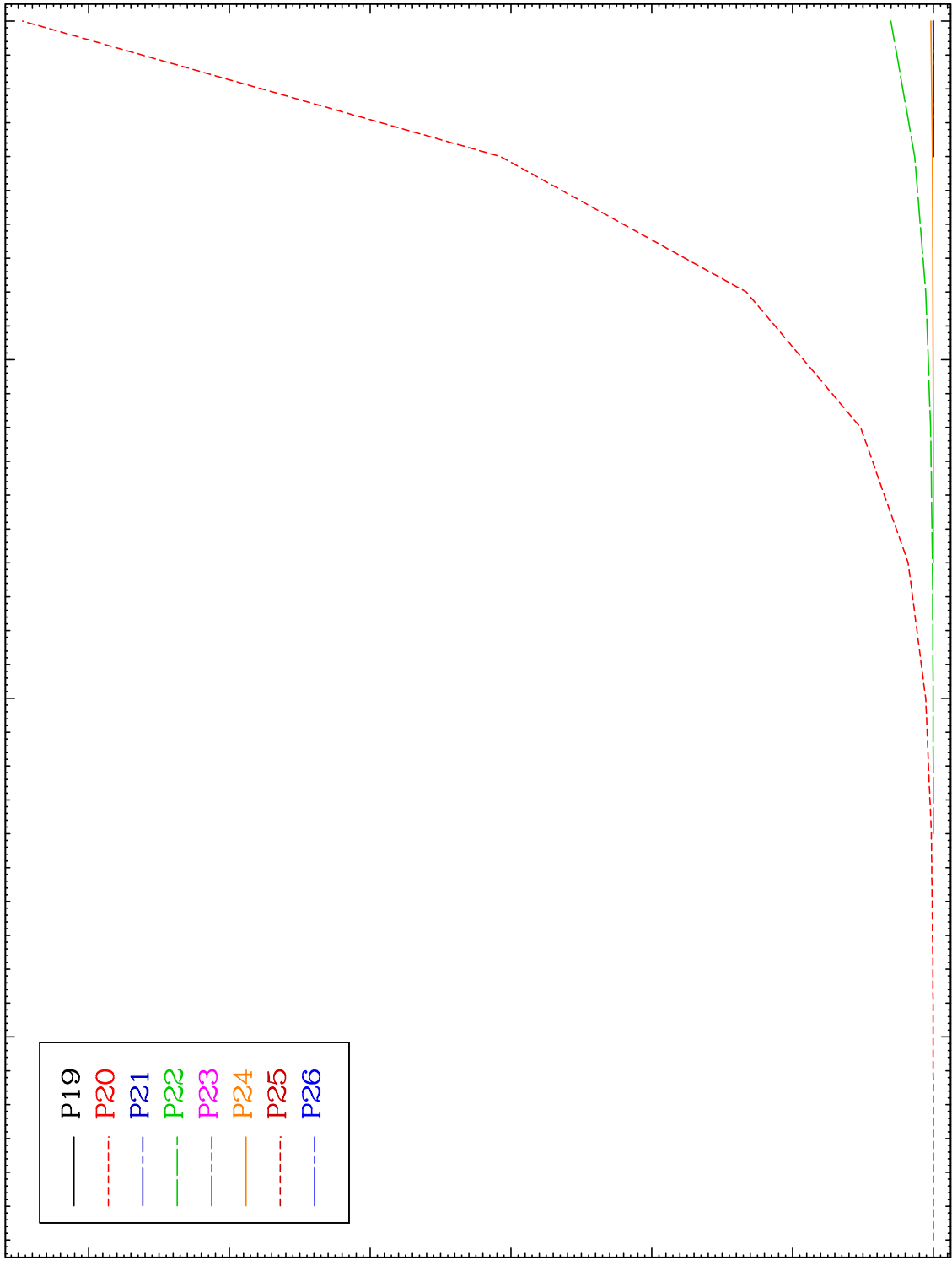
25

30

18

Incident Energy (MeV)

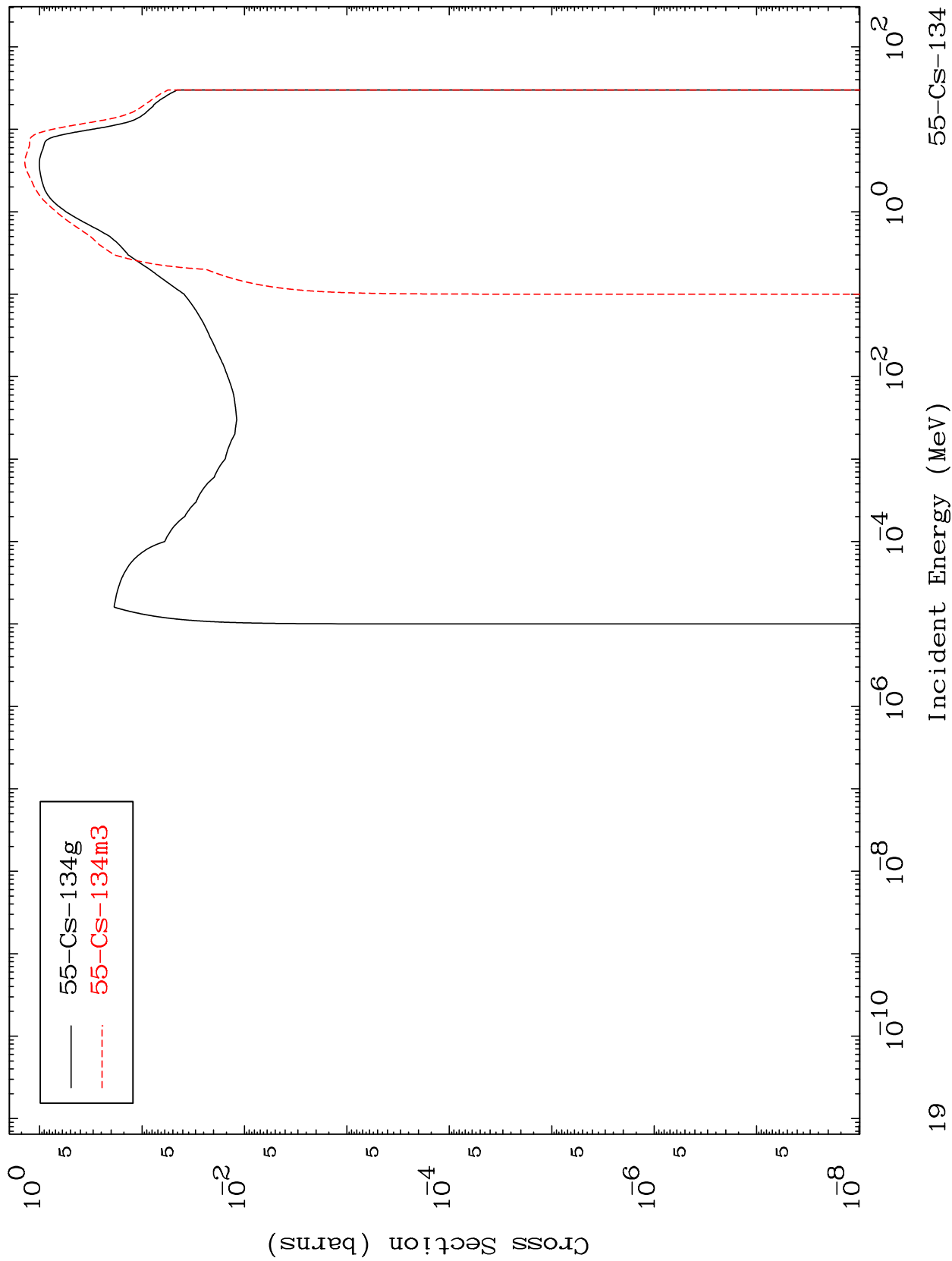
55-Cs-134



MAT 5529

55-Cs-134

Inelastic
Radionuclide Production Cross Section

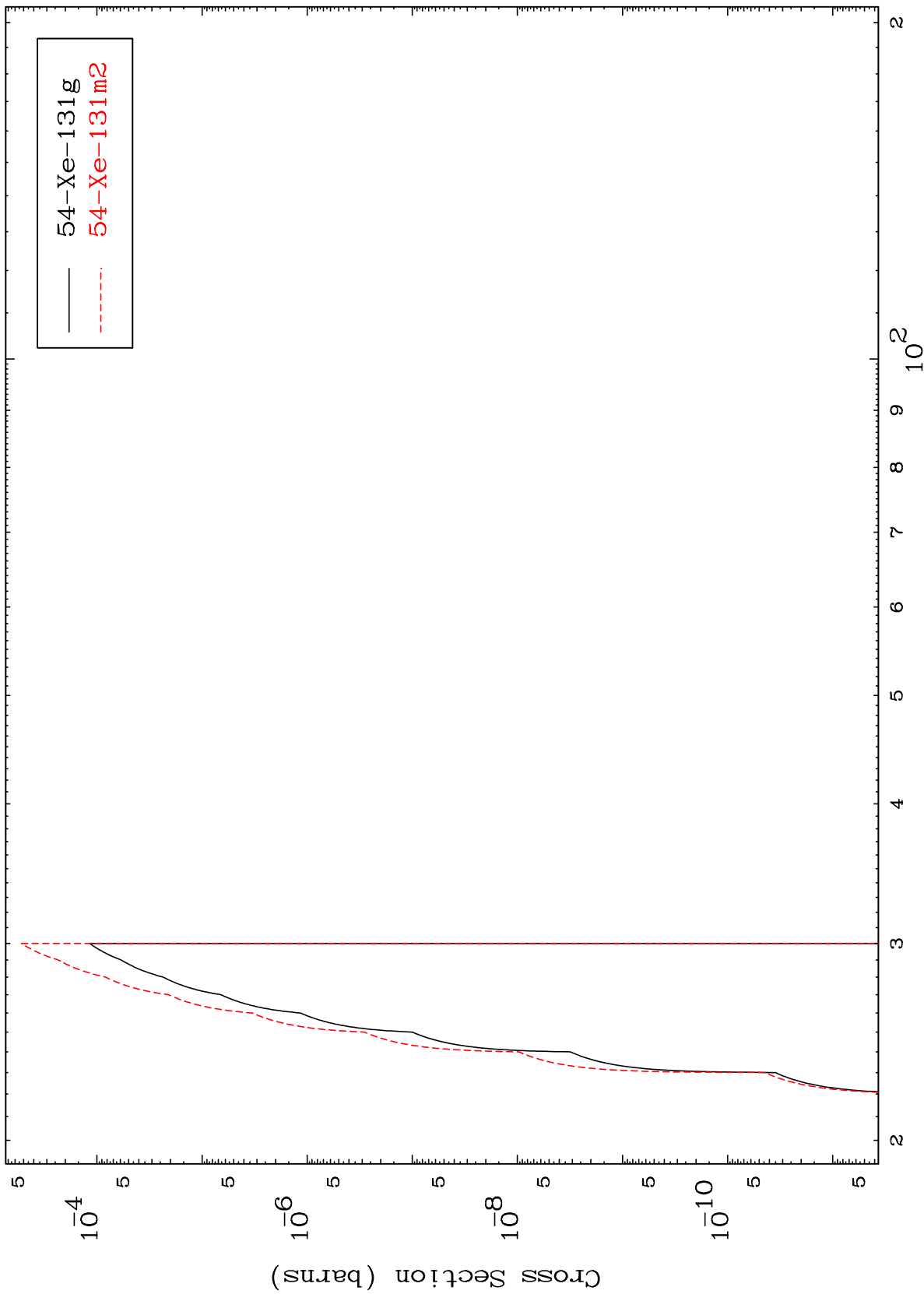


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(n,2n) d

55-Cs-134

Radionuclide Production Cross Section



20

Incident Energy (MeV)

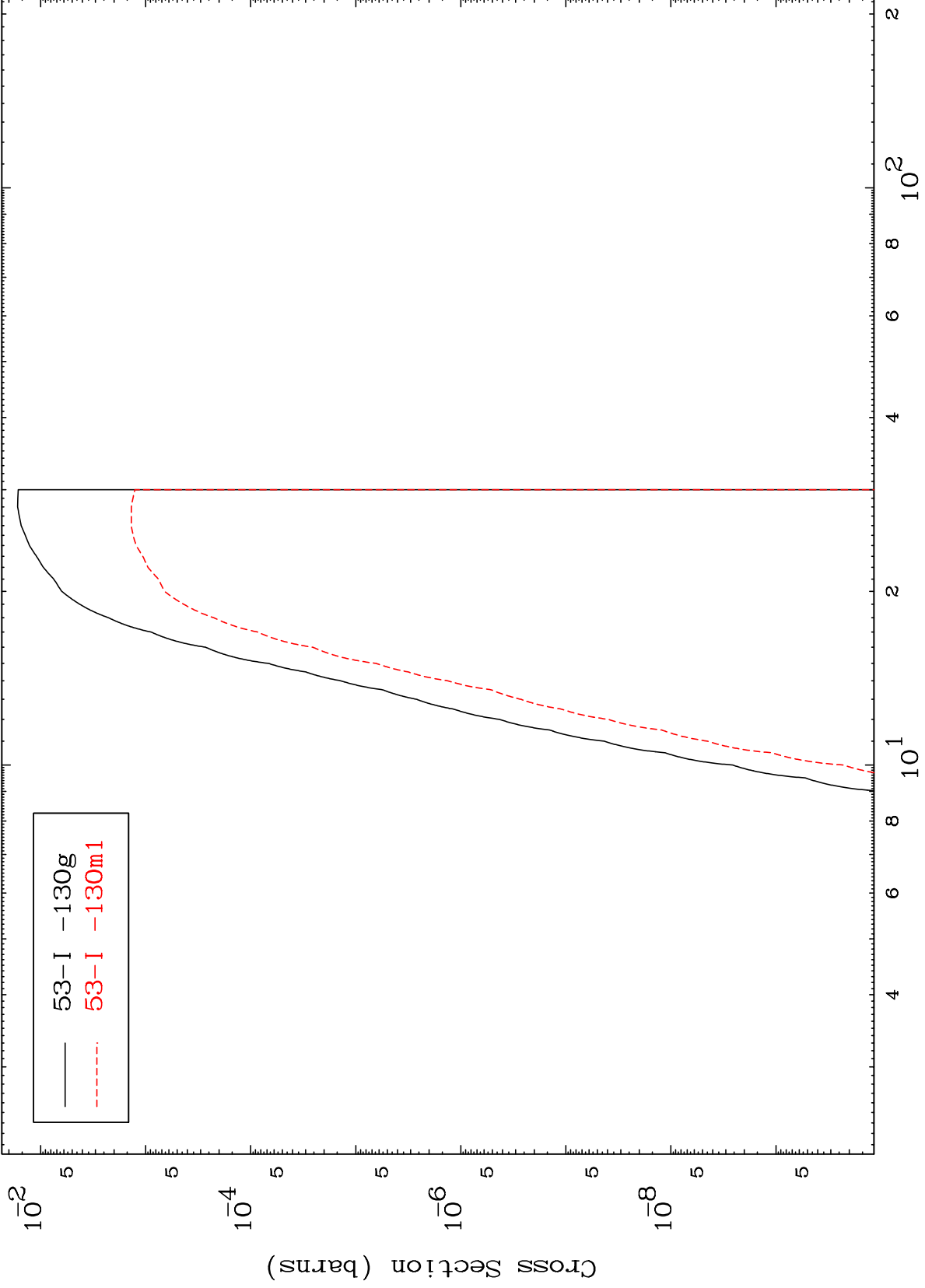
55-Cs-134

MAT 5529

(n,n') α

55-Cs-134

Radionuclide Production Cross Section



21

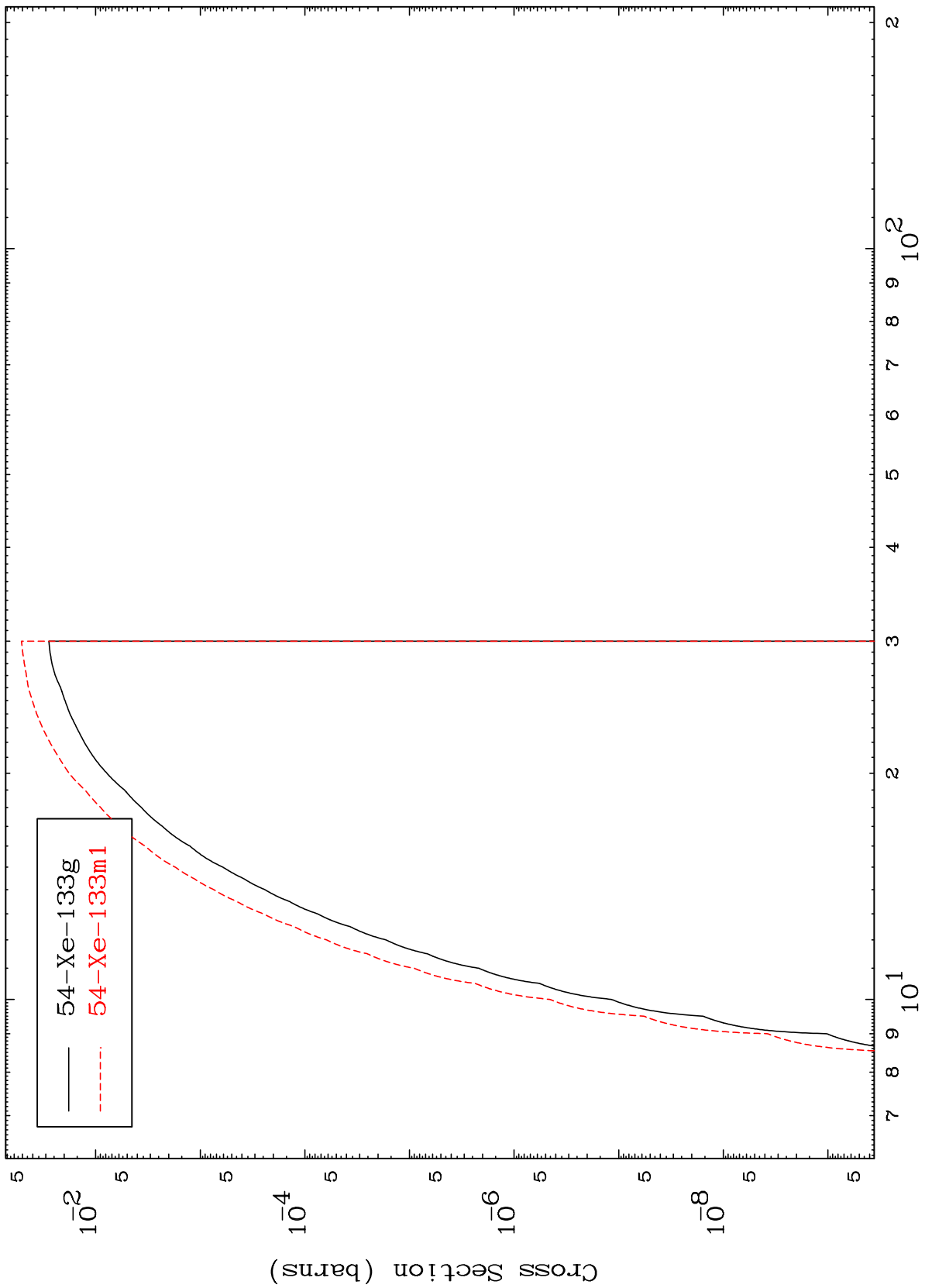
Incident Energy (MeV)

55-Cs-134

MAT 5529

55-Cs-134

(n,n') p
Radionuclide Production Cross Section



55-Cs-134

Incident Energy (MeV)

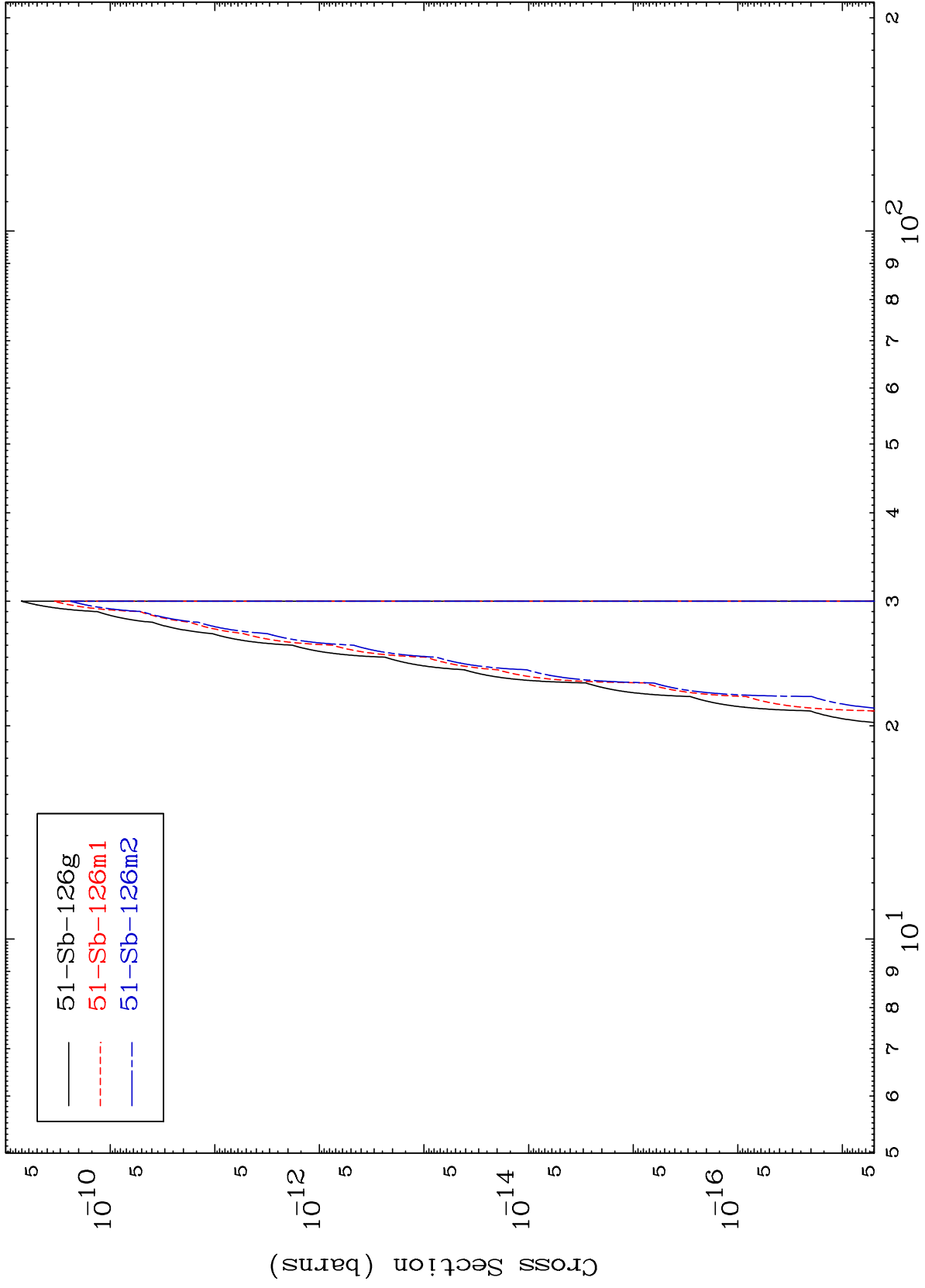
22

MAT 5529

(n,n') 2α

55-Cs-134

Radionuclide Production Cross Section



23

Incident Energy (MeV)

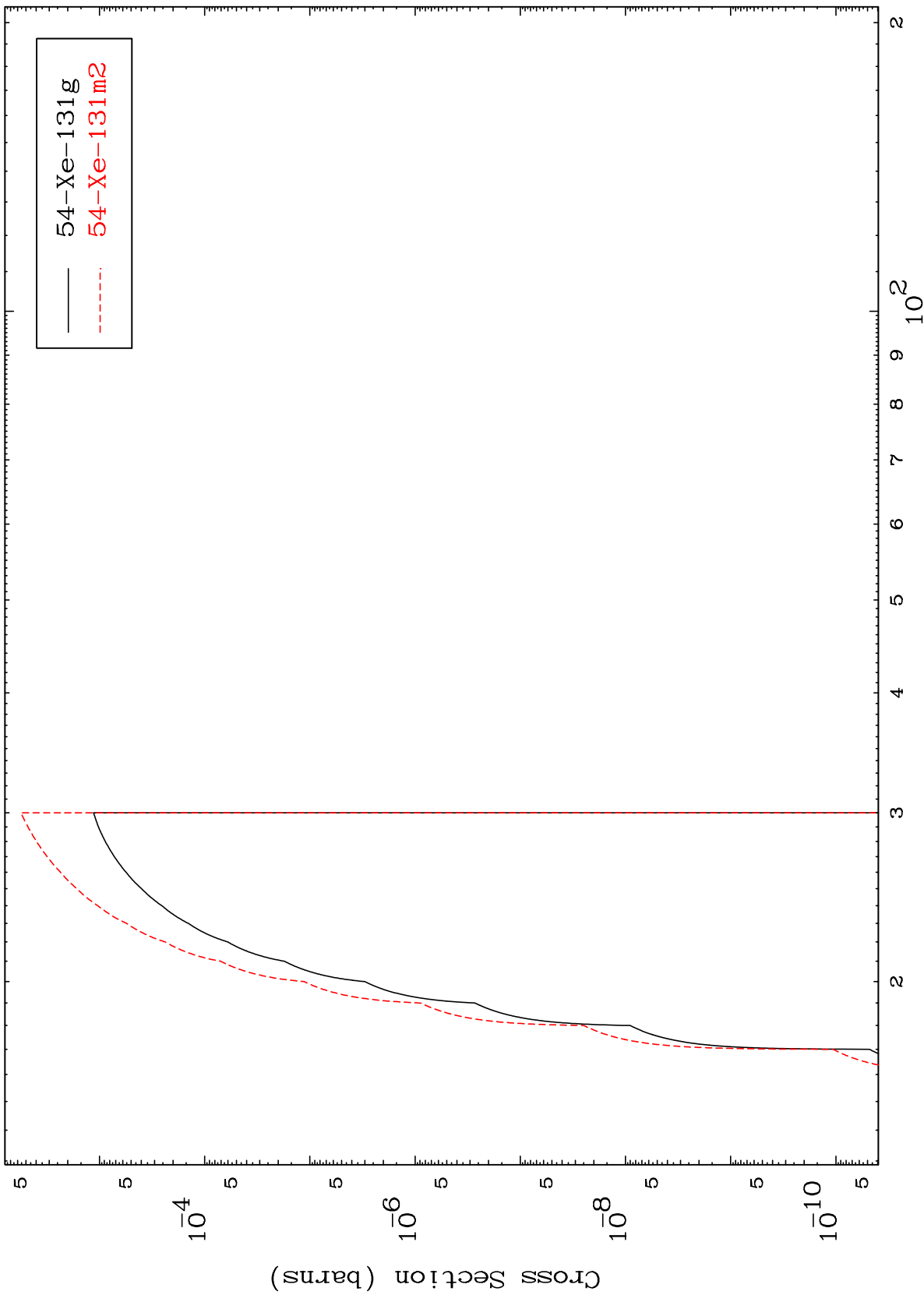
55-Cs-134

MAT 5529

(n,n') t

55-Cs-134

Radionuclide Production Cross Section



24

Incident Energy (MeV)

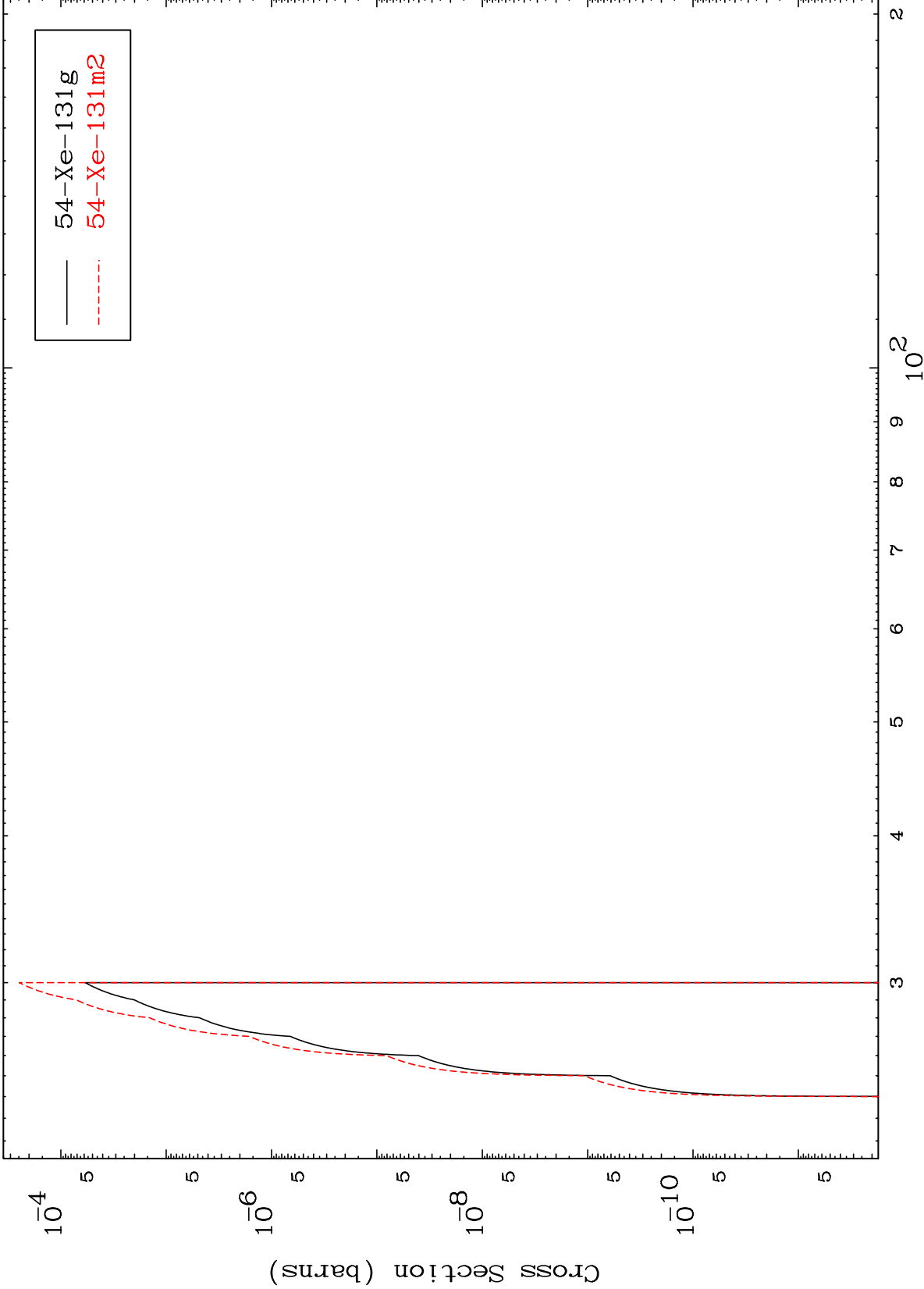
55-Cs-134

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(n,3n) p

55-Cs-134

Radionuclide Production Cross Section

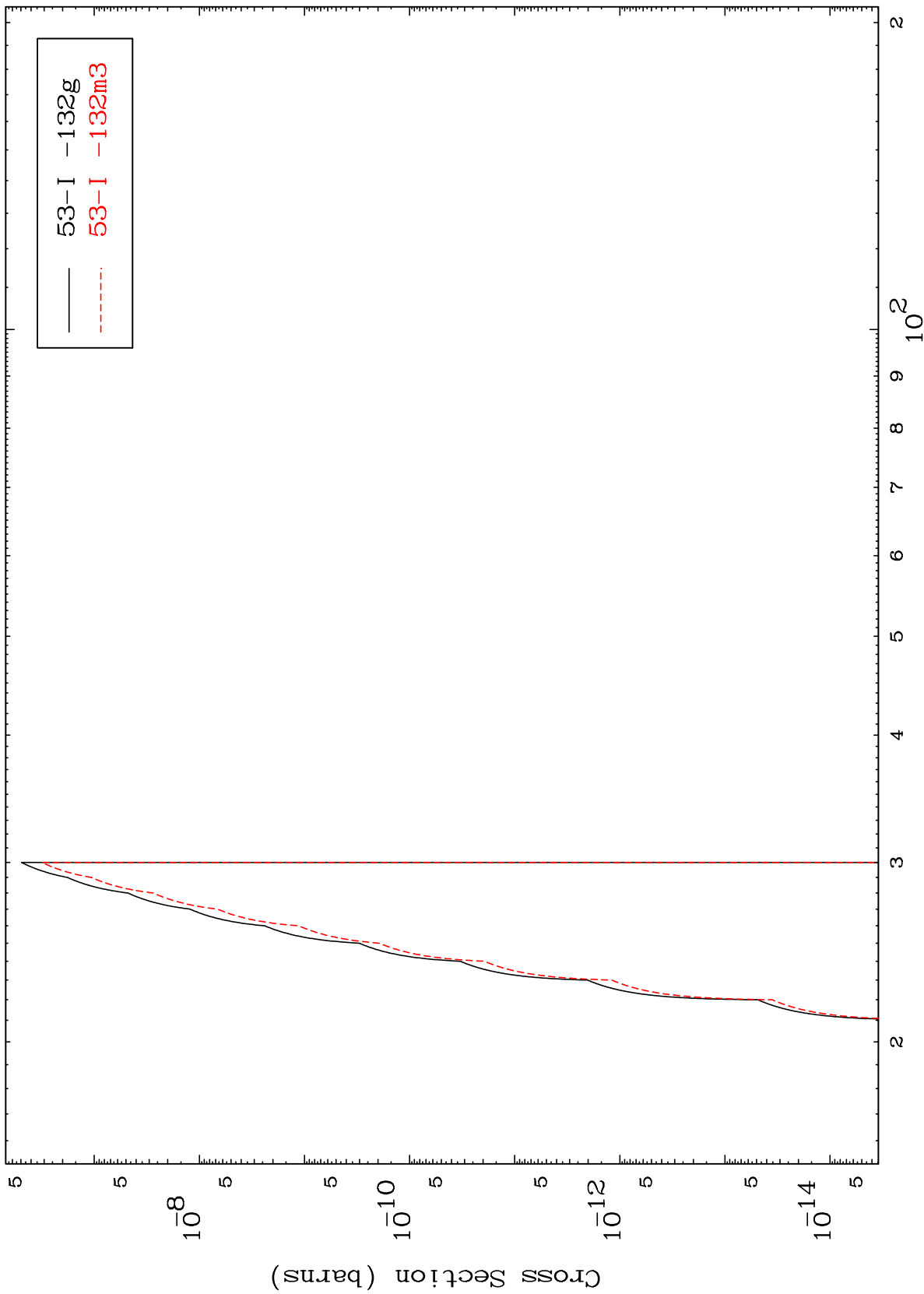


25

Incident Energy (MeV)

55-Cs-134

(n,2n) p
Radionuclide Production Cross Section

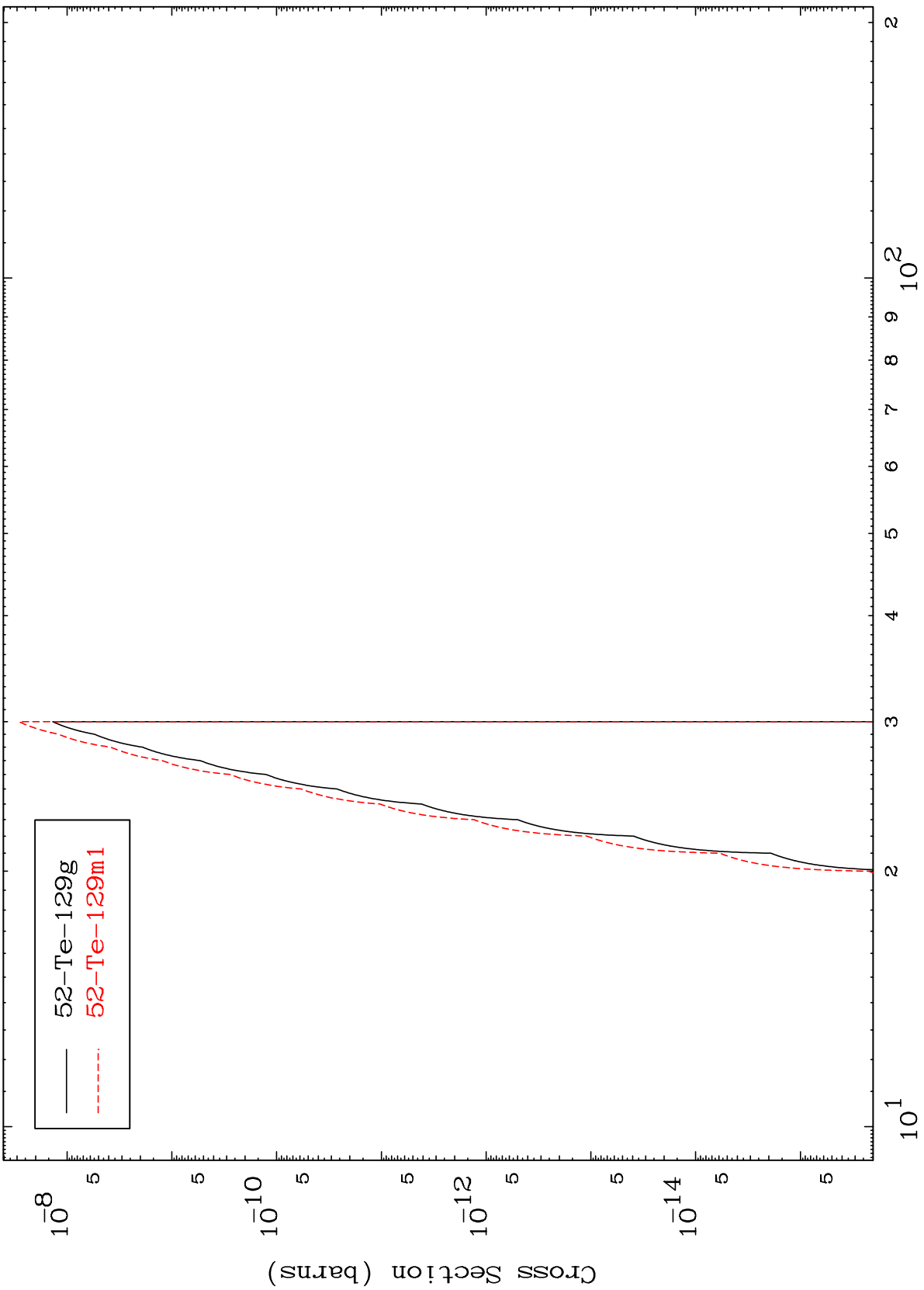


MAT 5529

(n,n') p α

55-Cs-134

Radionuclide Production Cross Section



27

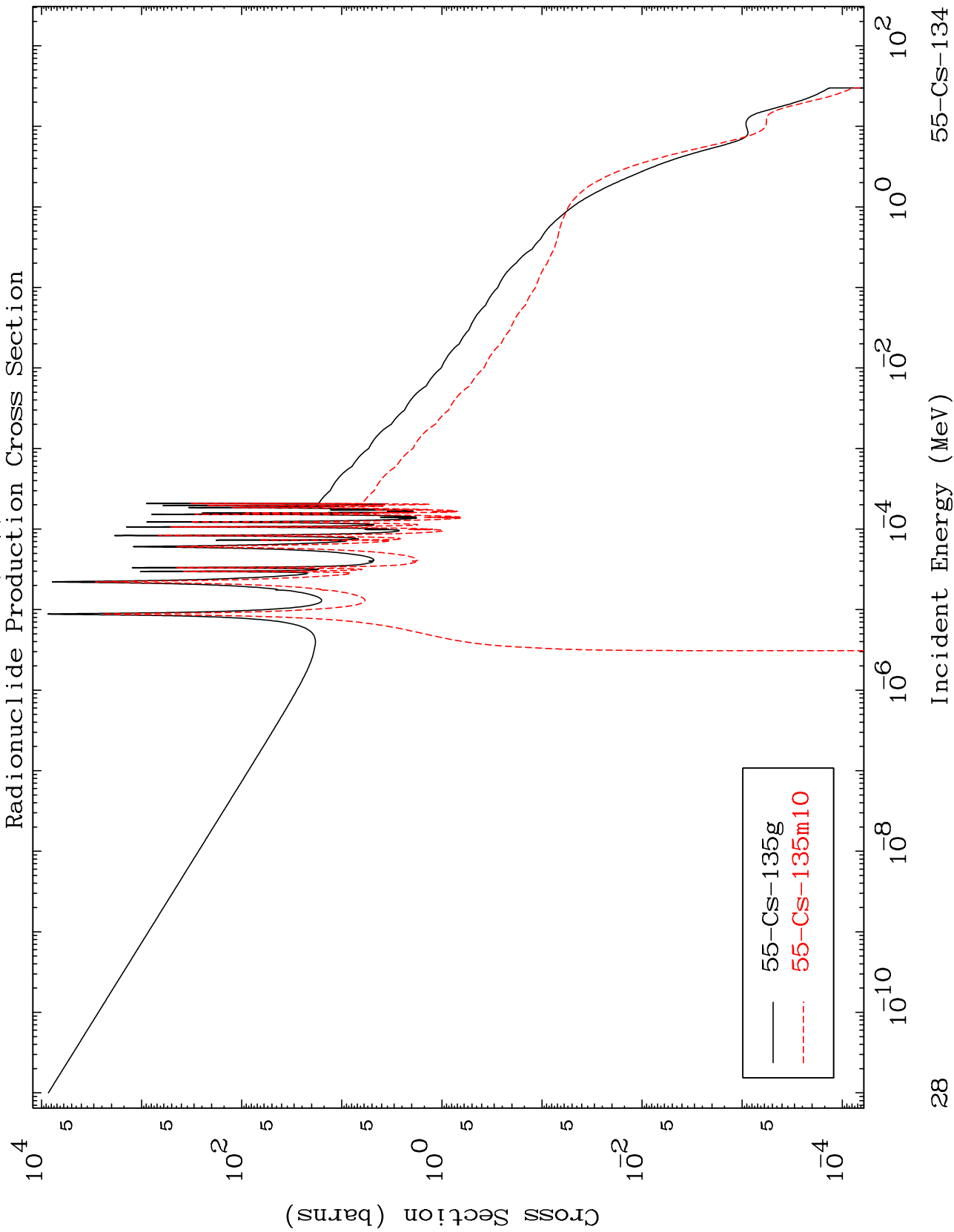
Incident Energy (MeV)

55-Cs-134

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55-Cs-134

Radionuclide Production Cross Section
(n, γ)

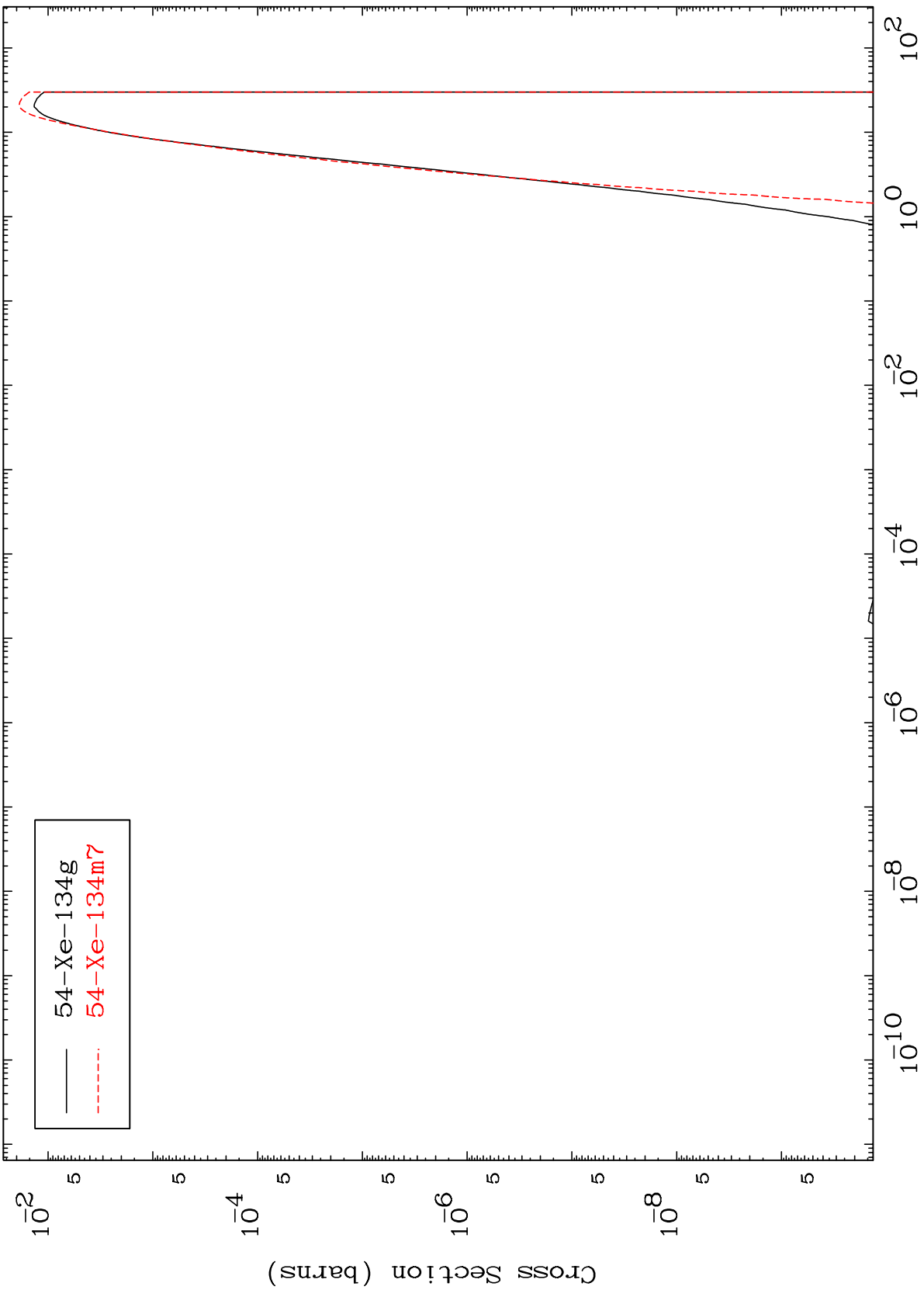


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(n,p)

55-Cs-134

Radionuclide Production Cross Section

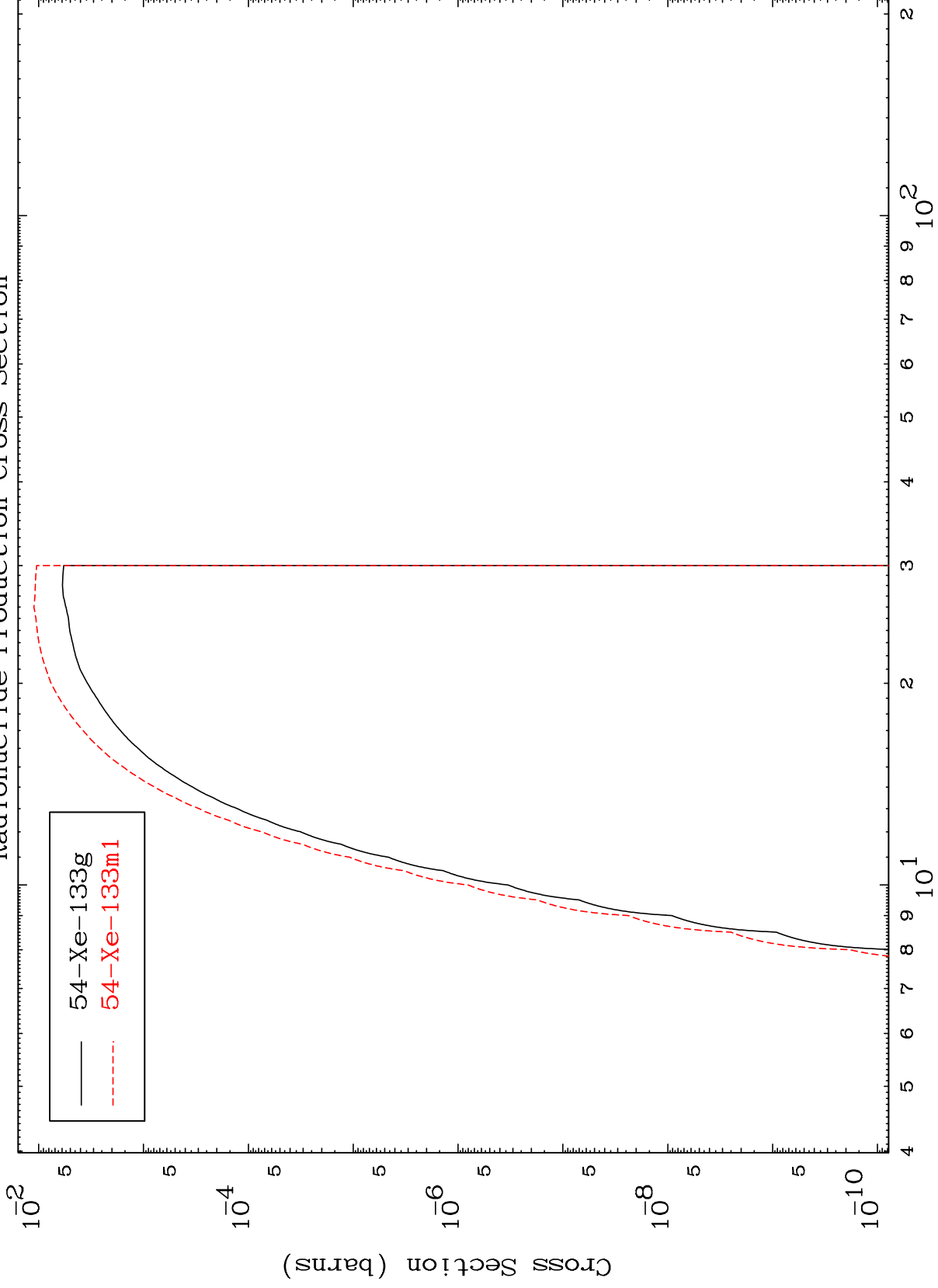


54-Xe-134g
54-Xe-134m7

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55-Cs-134

(n,d)
Radionuclide Production Cross Section



Incident Energy (MeV)

55-Cs-134

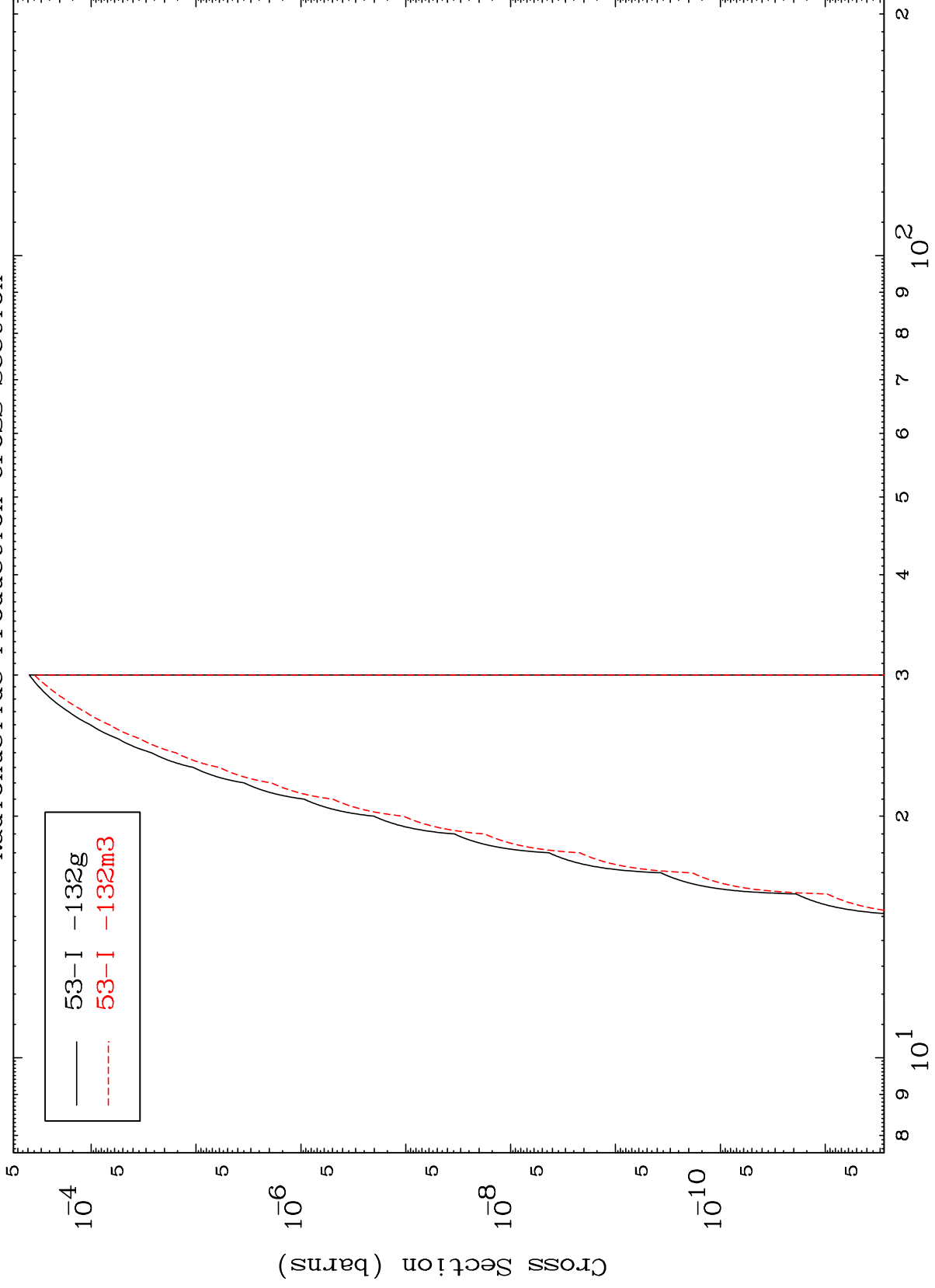
30

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(n,He-3)

55-Cs-134

Radionuclide Production Cross Section



31

Incident Energy (MeV)

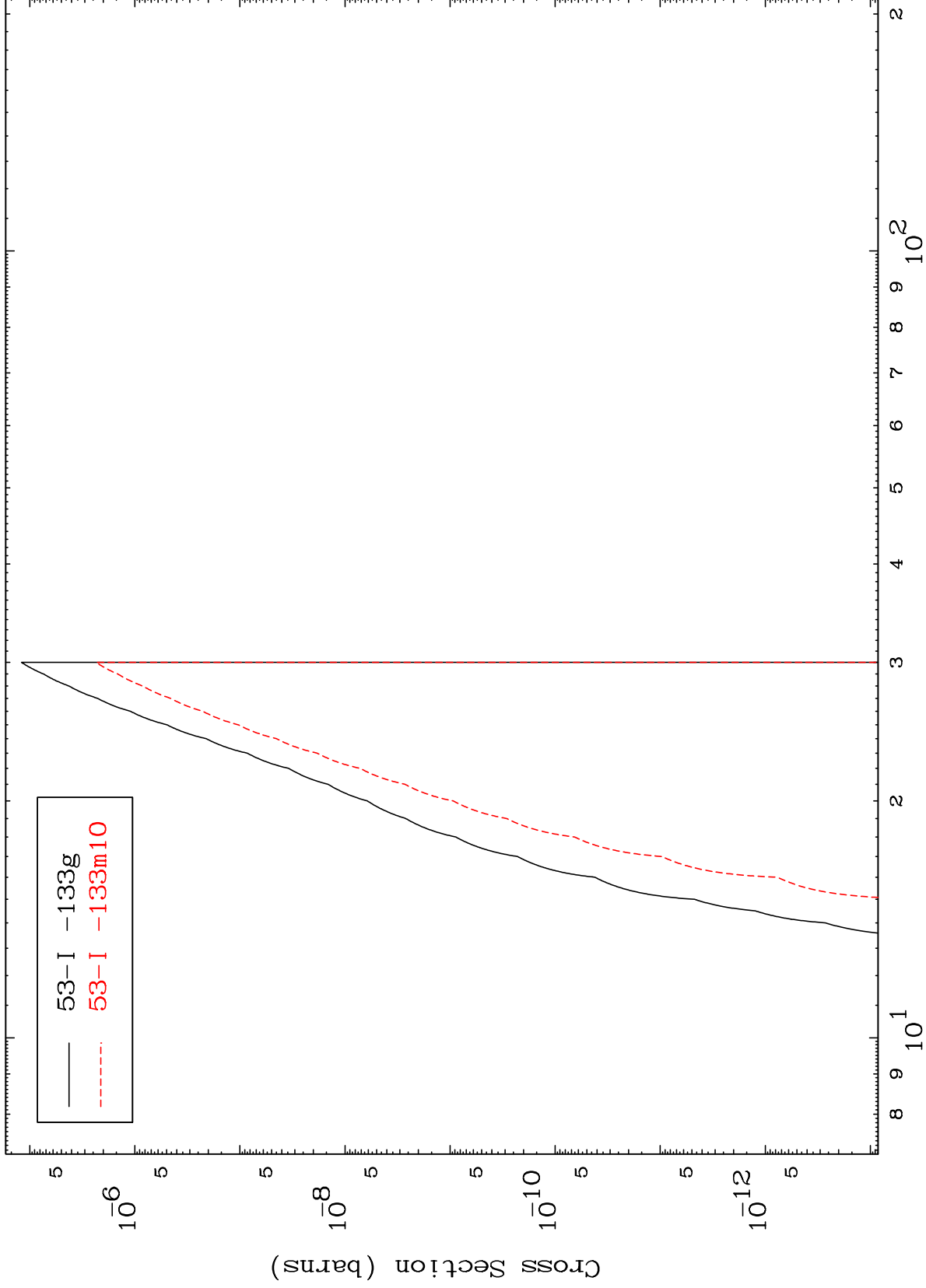
55-Cs-134

MAT 5529

(n,2p)

55-Cs-134

Radionuclide Production Cross Section

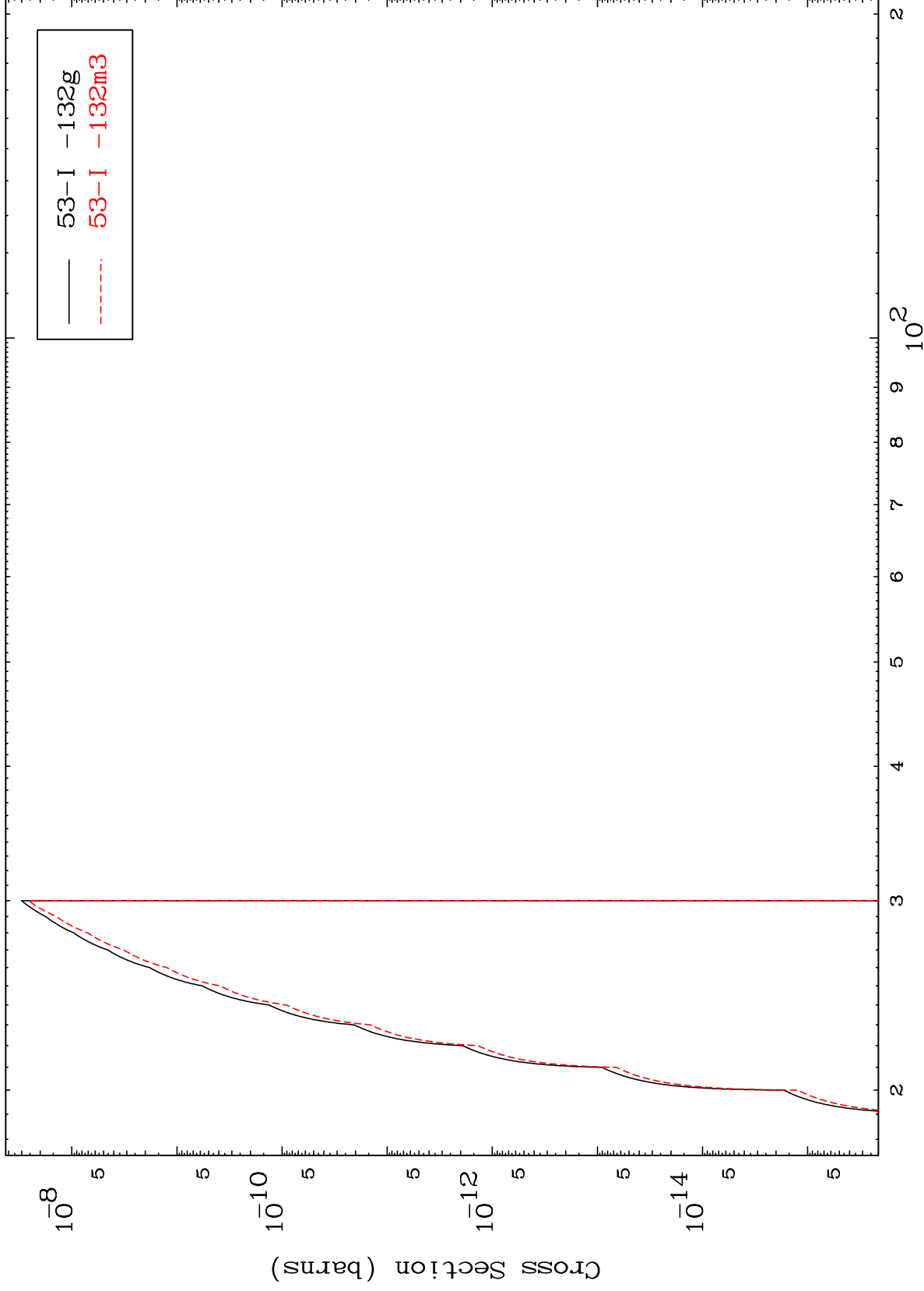


32

Incident Energy (MeV)

55-Cs-134

Radionuclide Production Cross Section

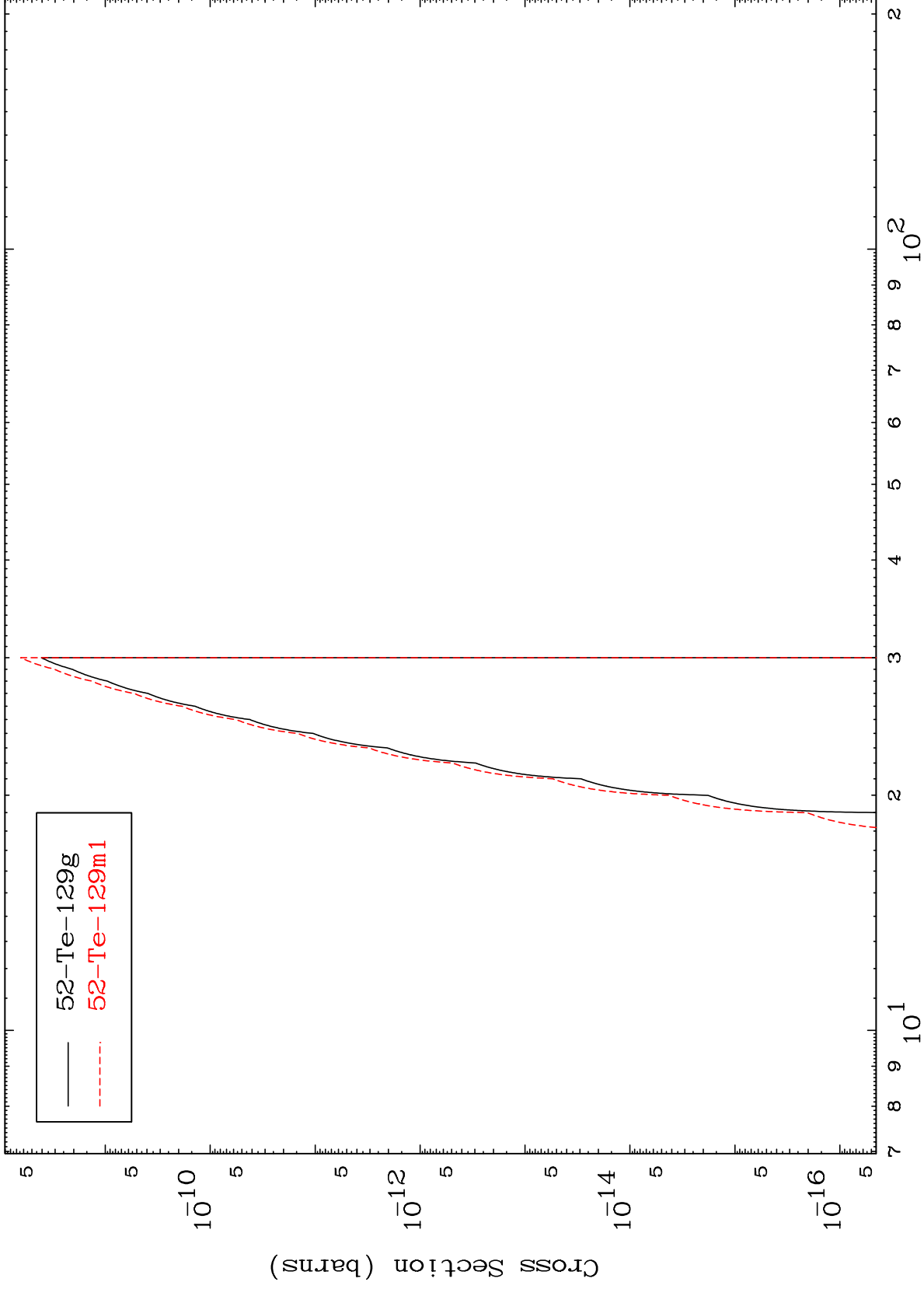


MAT 5529

(n,d) α

55-Cs-134

Radionuclide Production Cross Section



34

Incident Energy (MeV)

55-Cs-134