

Program EVALPLOT
(Version 2015-2)

by

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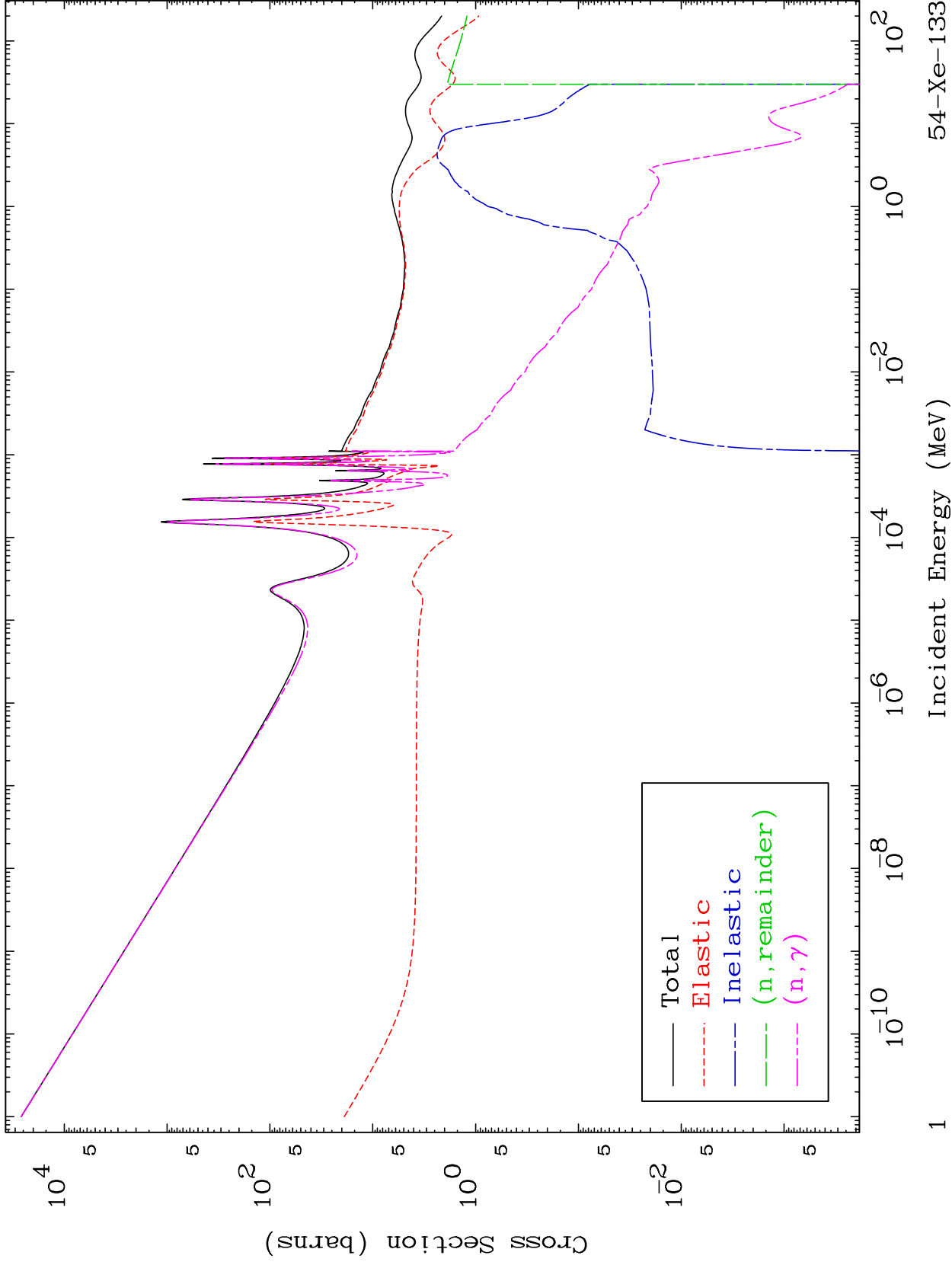
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

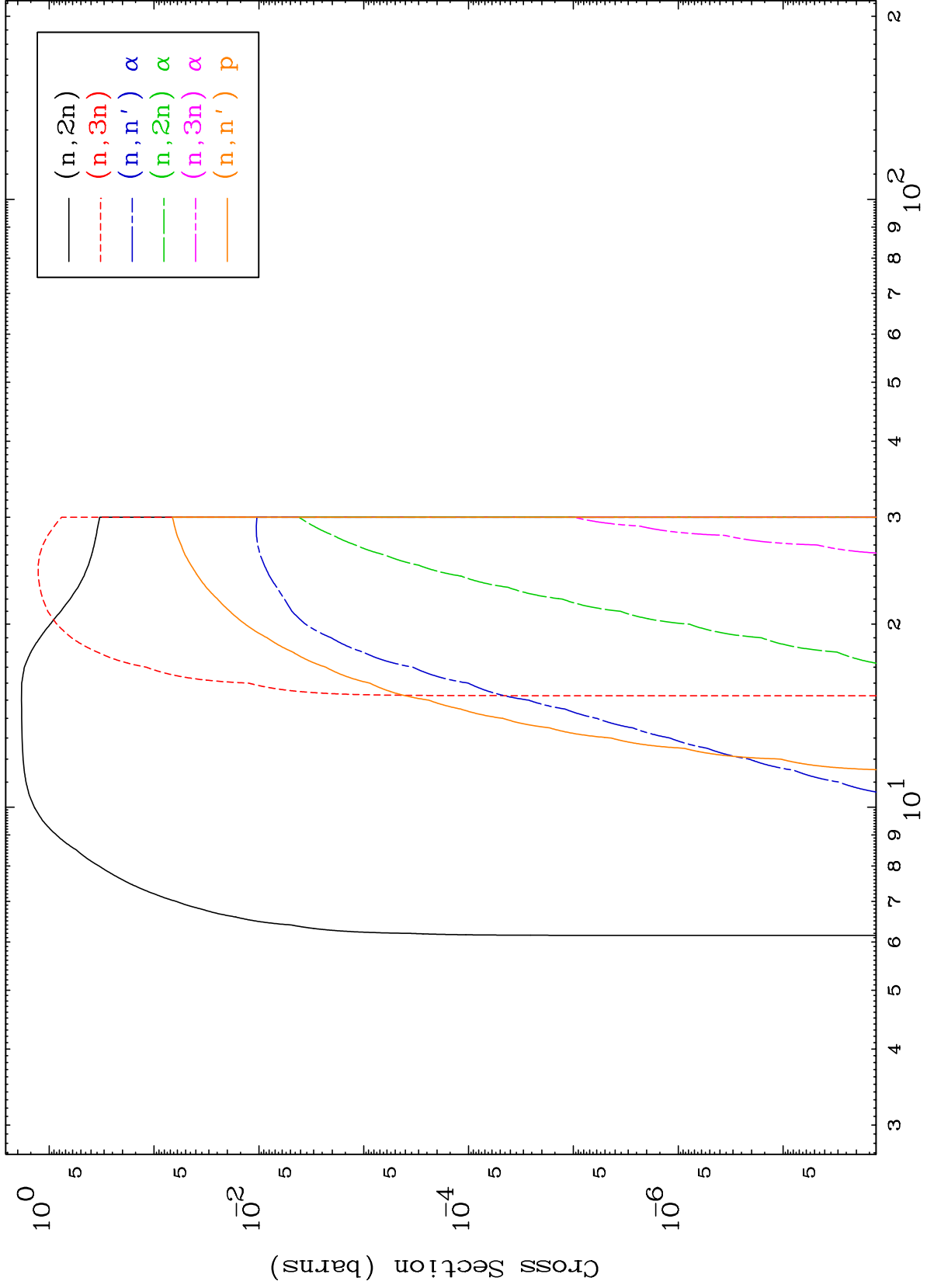
MAT 5453

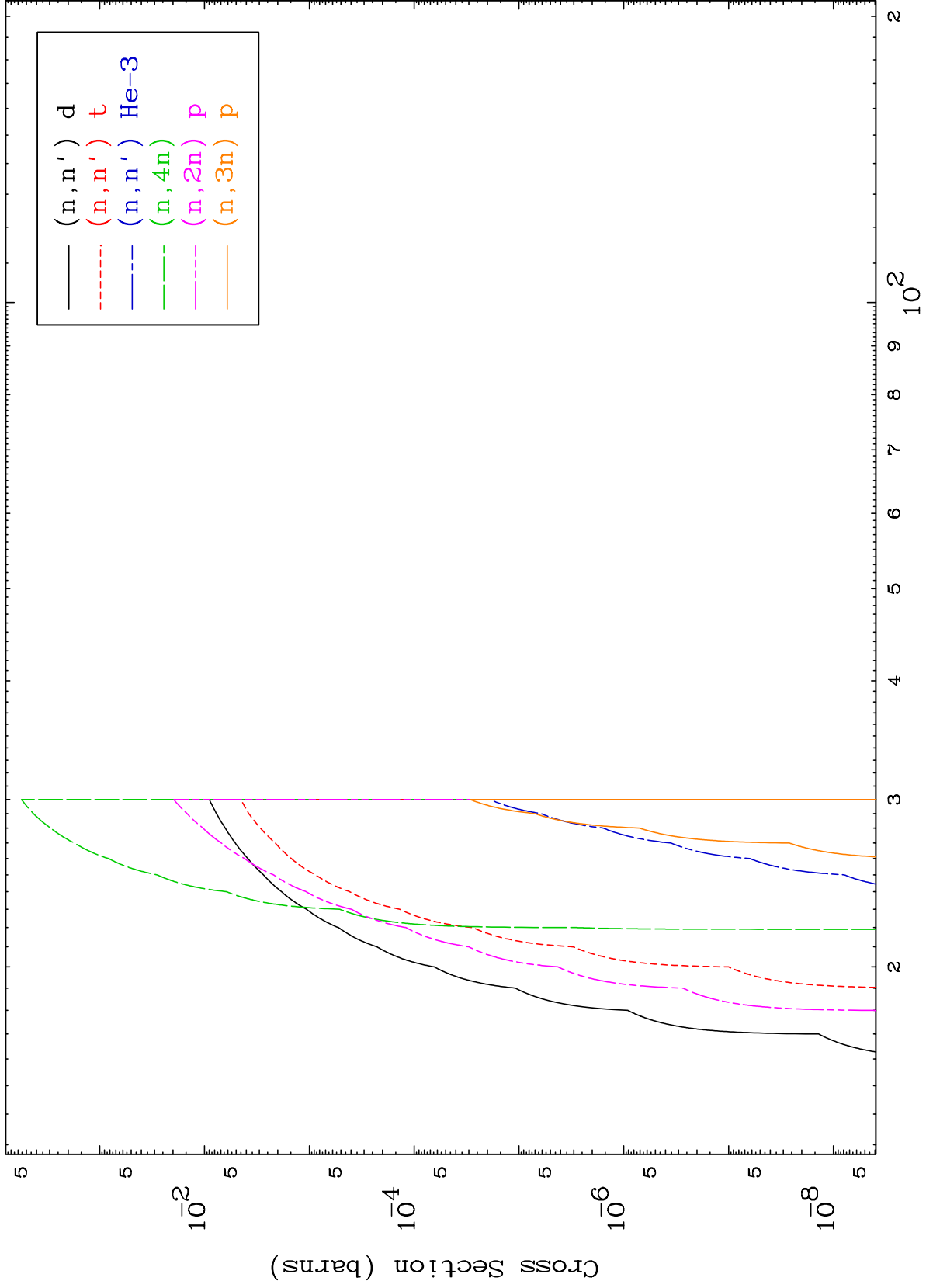
Major
293 Kelvin Cross Sections

54-Xe-133



Neutron Production
293 Kelvin Cross Sections

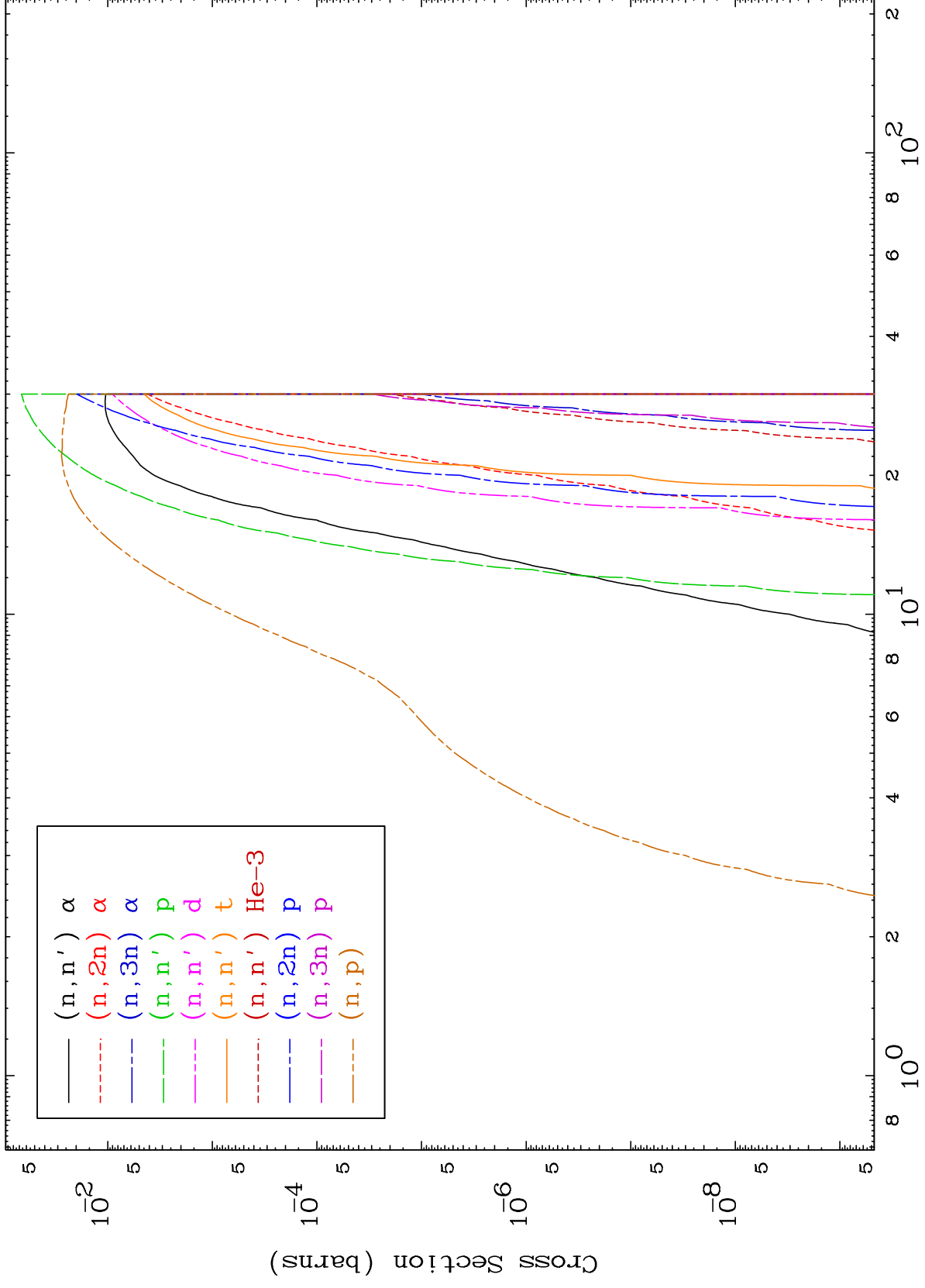




MAT 5453

Charged Particle
293 Kelvin Cross Sections

54-Xe-133



Incident Energy (MeV)

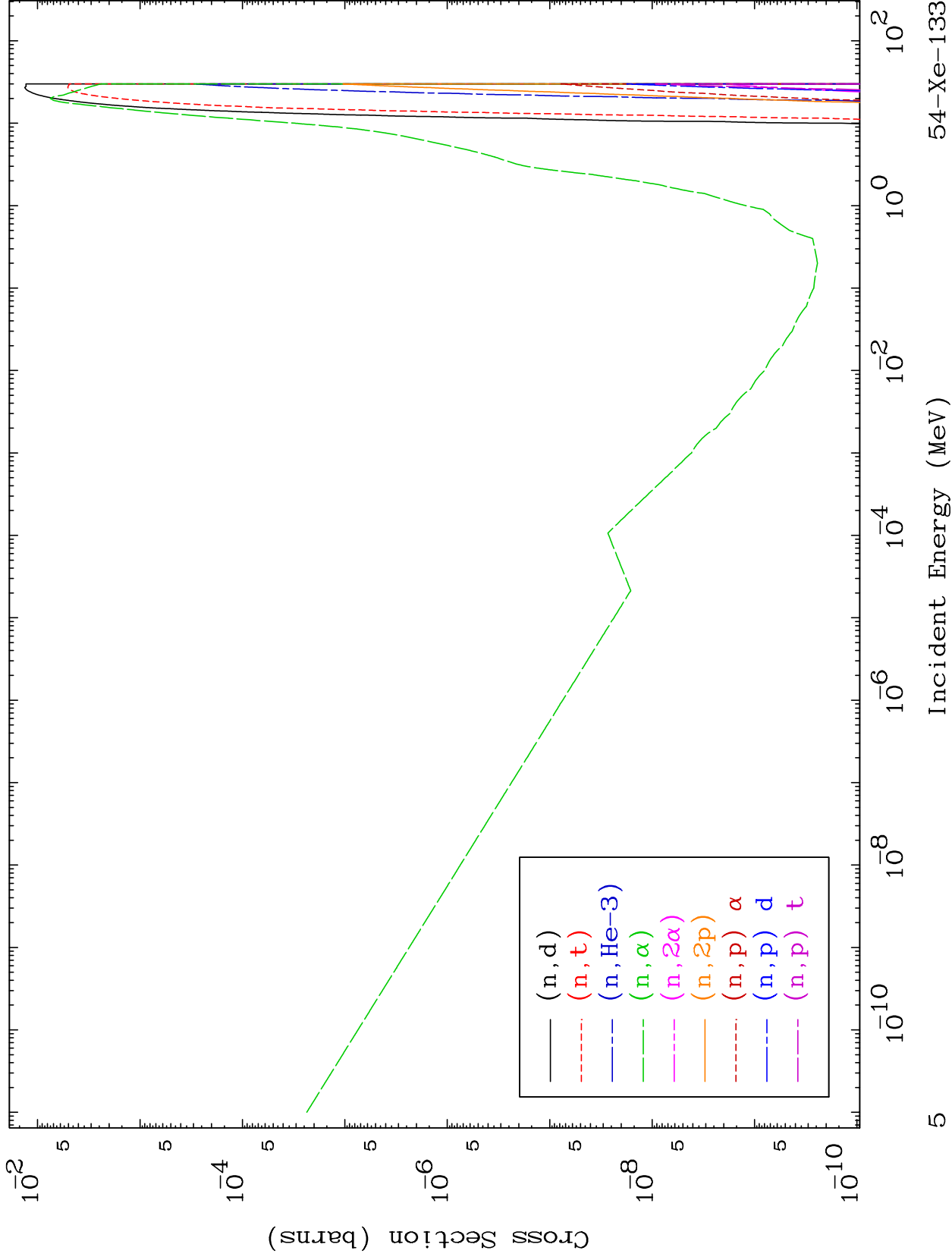
54-Xe-133

4

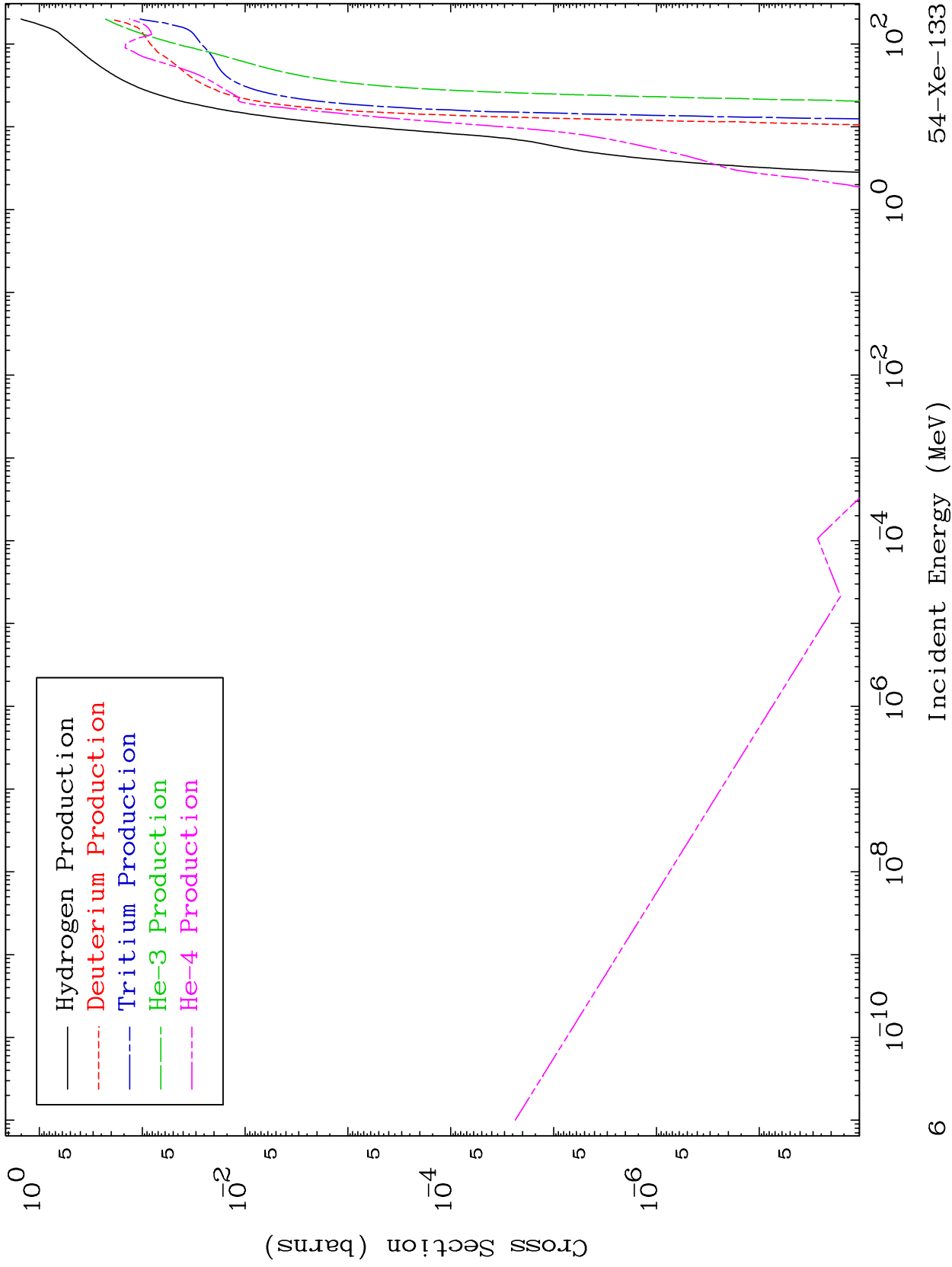
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Charged Particle
293 Kelvin Cross Sections

54-Xe-133



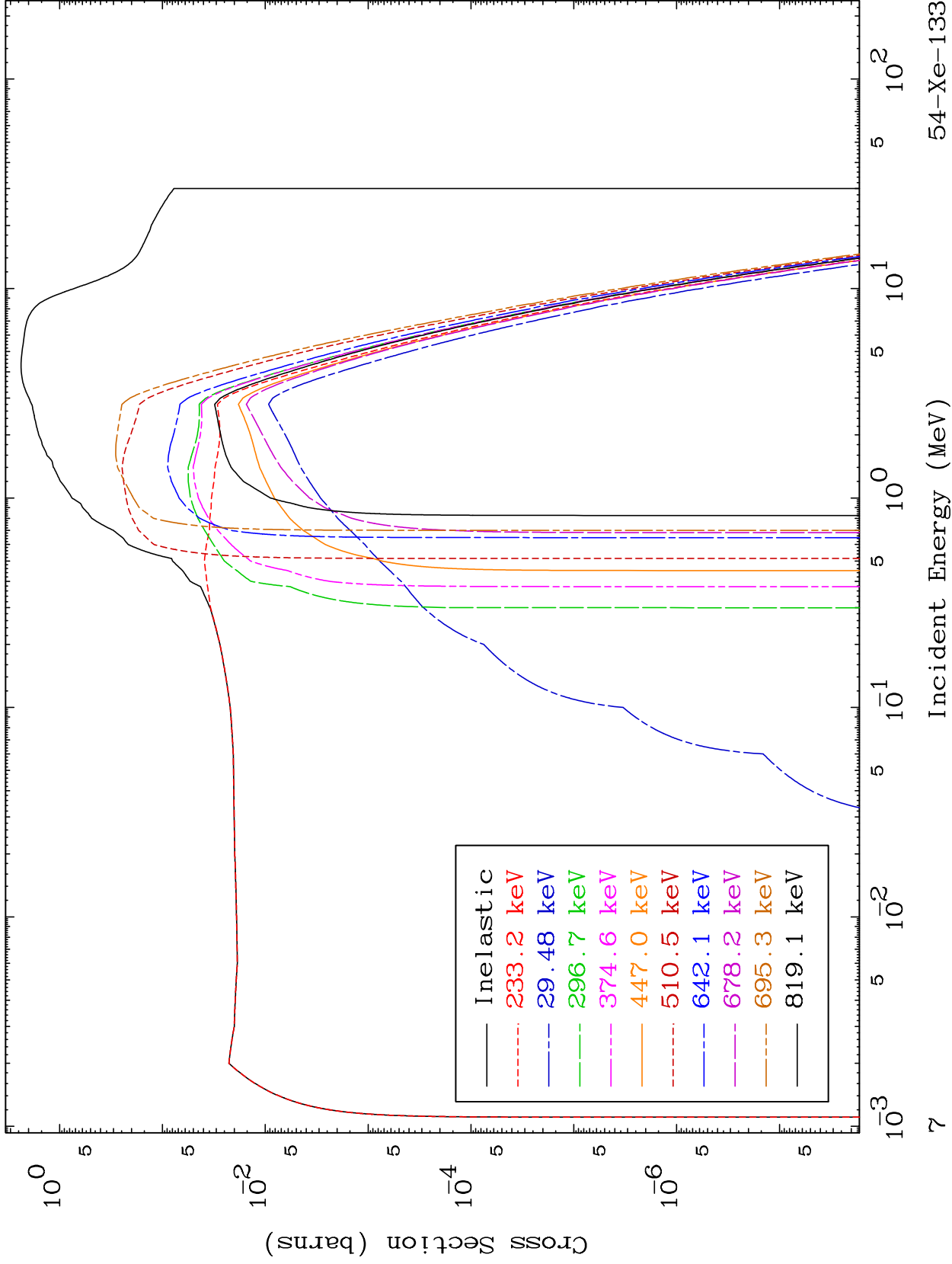
5



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(n,n') Level
293 Kelvin Cross Sections

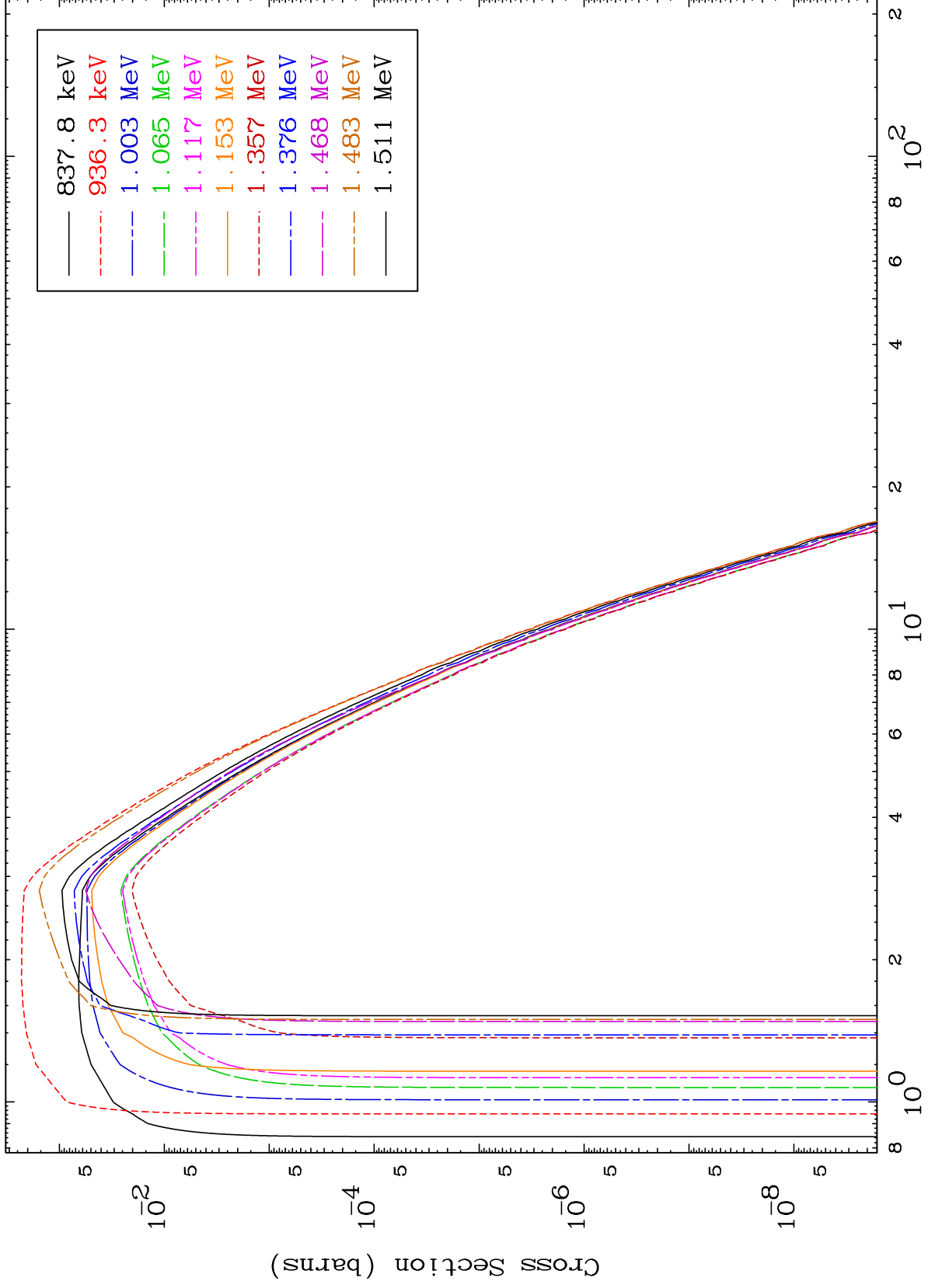
54-Xe-133



MAT 5453

(n,n') Level
293 Kelvin Cross Sections

54-Xe-133

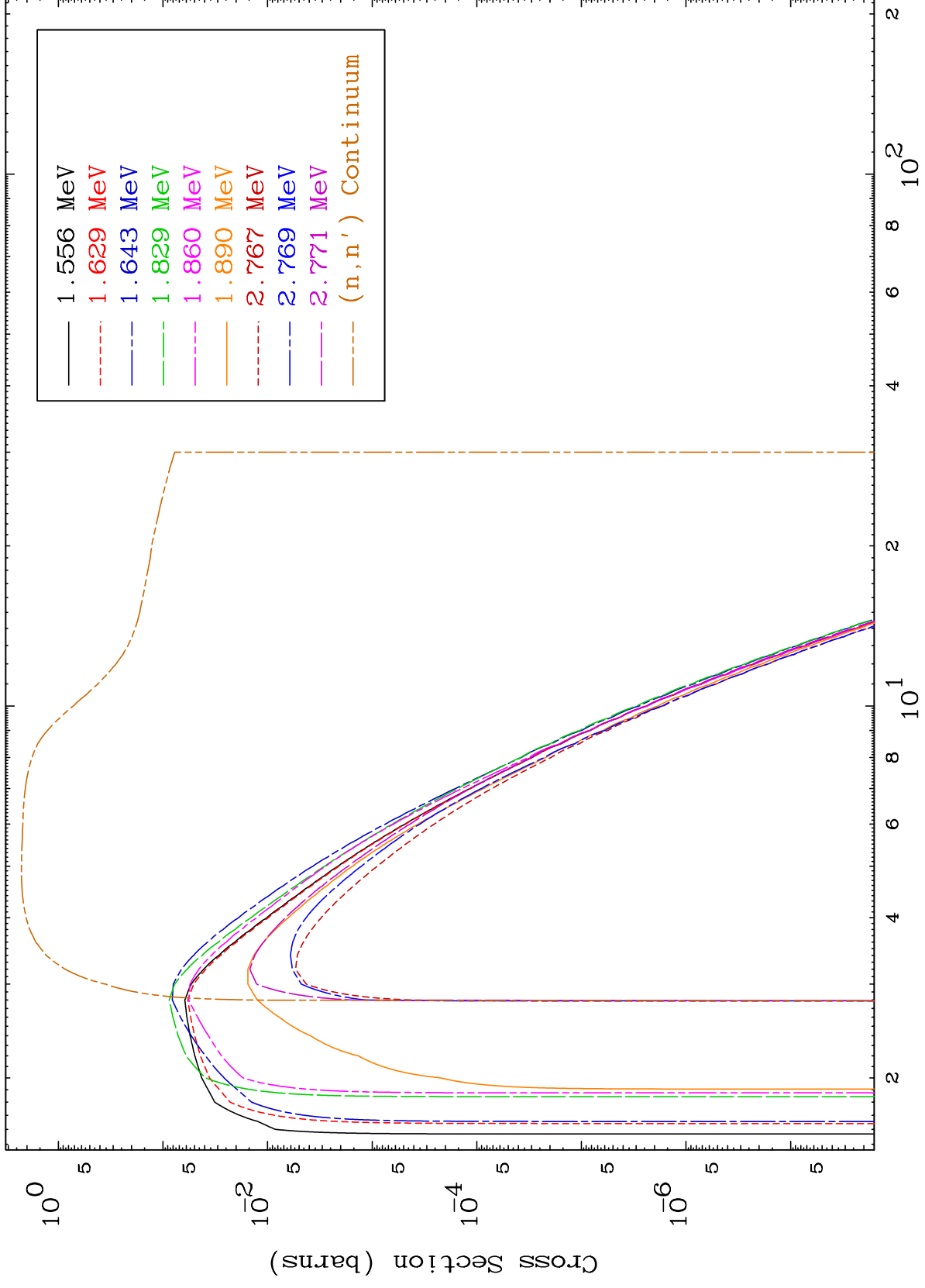


54-Xe-133

Incident Energy (MeV)

8

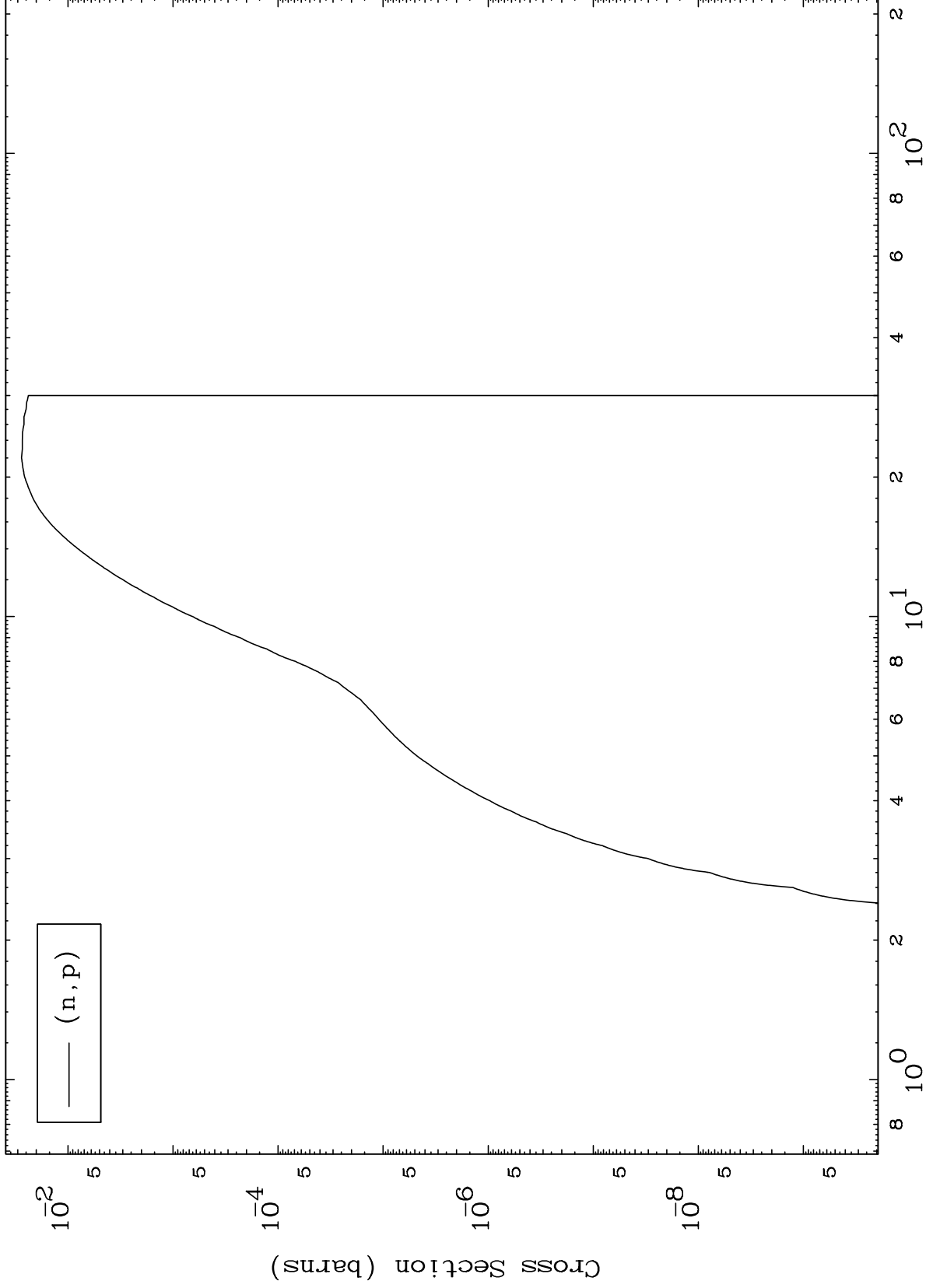
293 Kelvin Cross Sections



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(n,p) Levels
293 Kelvin Cross Sections

54-Xe-133



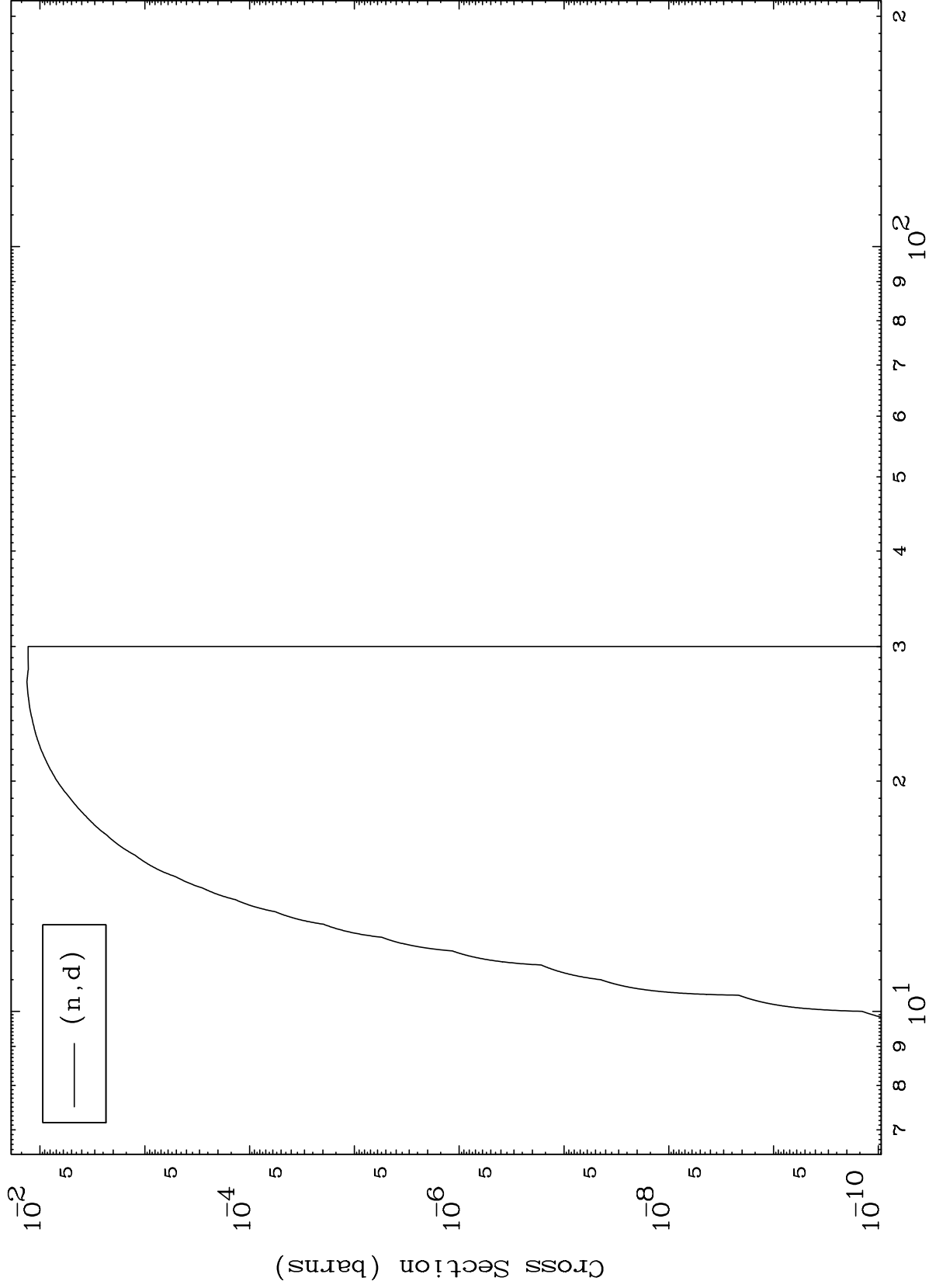
Incident Energy (MeV)

54-Xe-133

MAT 5453

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-133



11

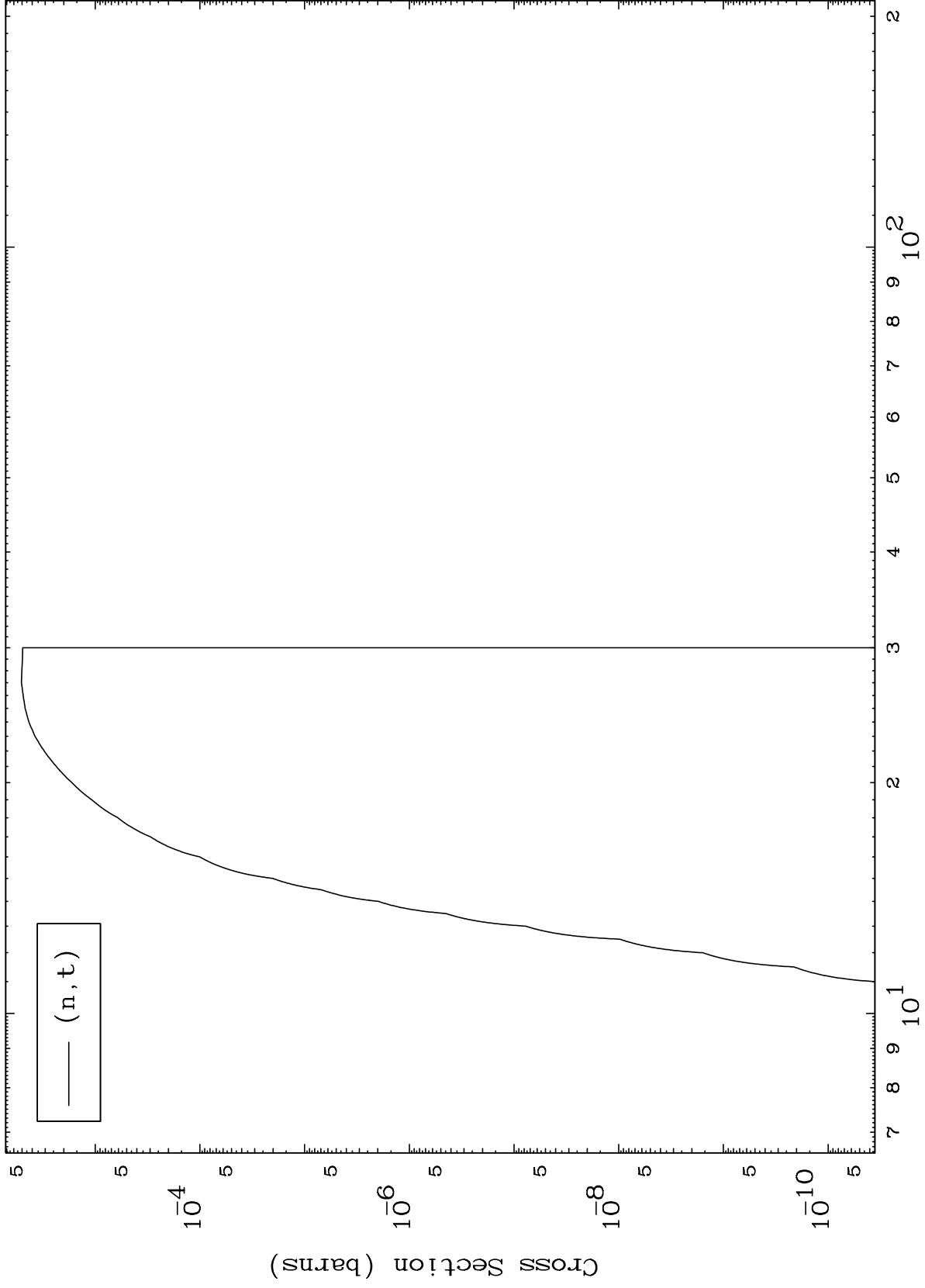
Incident Energy (MeV)

54-Xe-133

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(n,t) Levels
293 Kelvin Cross Sections

54-Xe-133



12

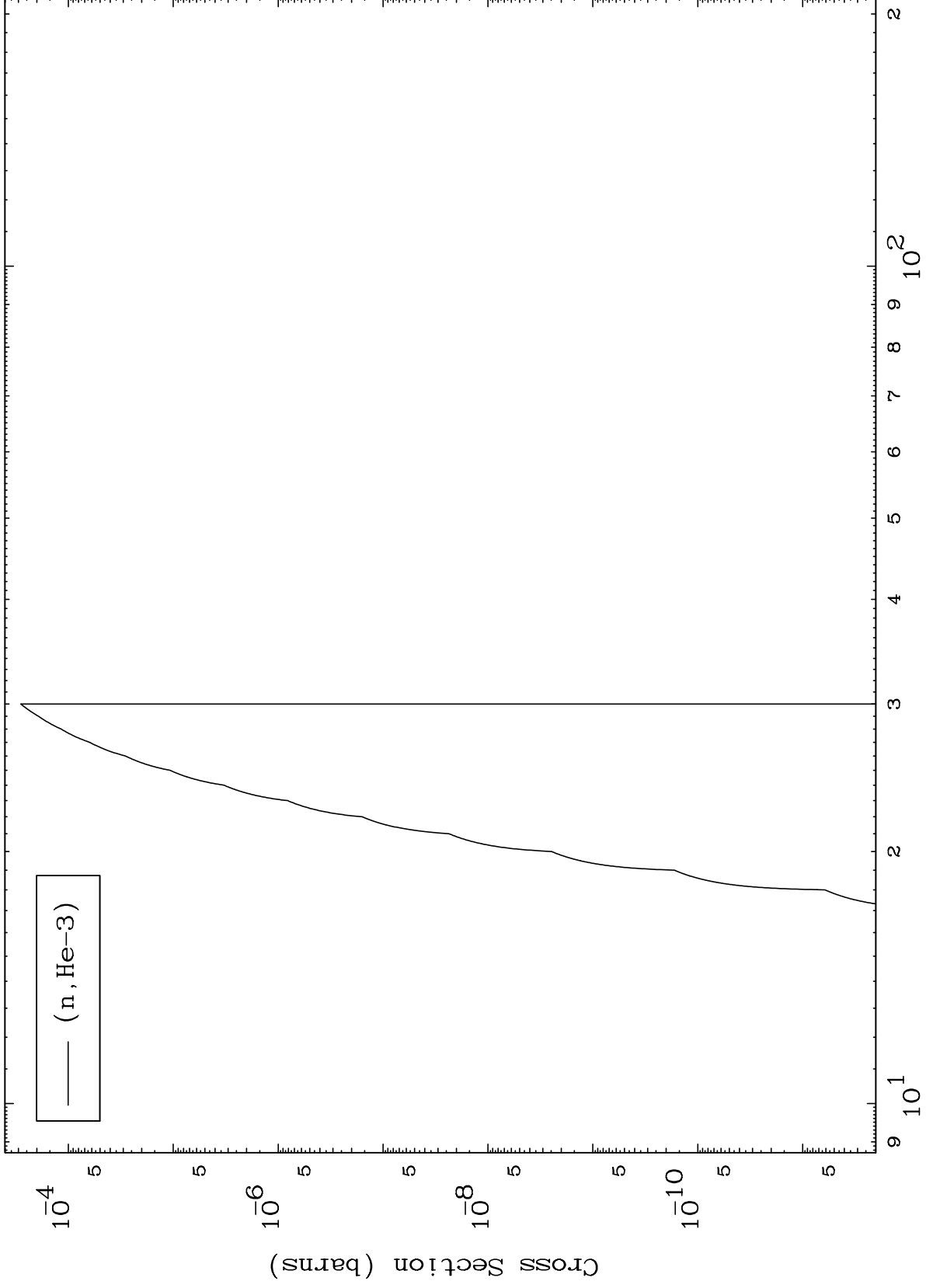
Incident Energy (MeV)

54-Xe-133

MAT 5453

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-133



13

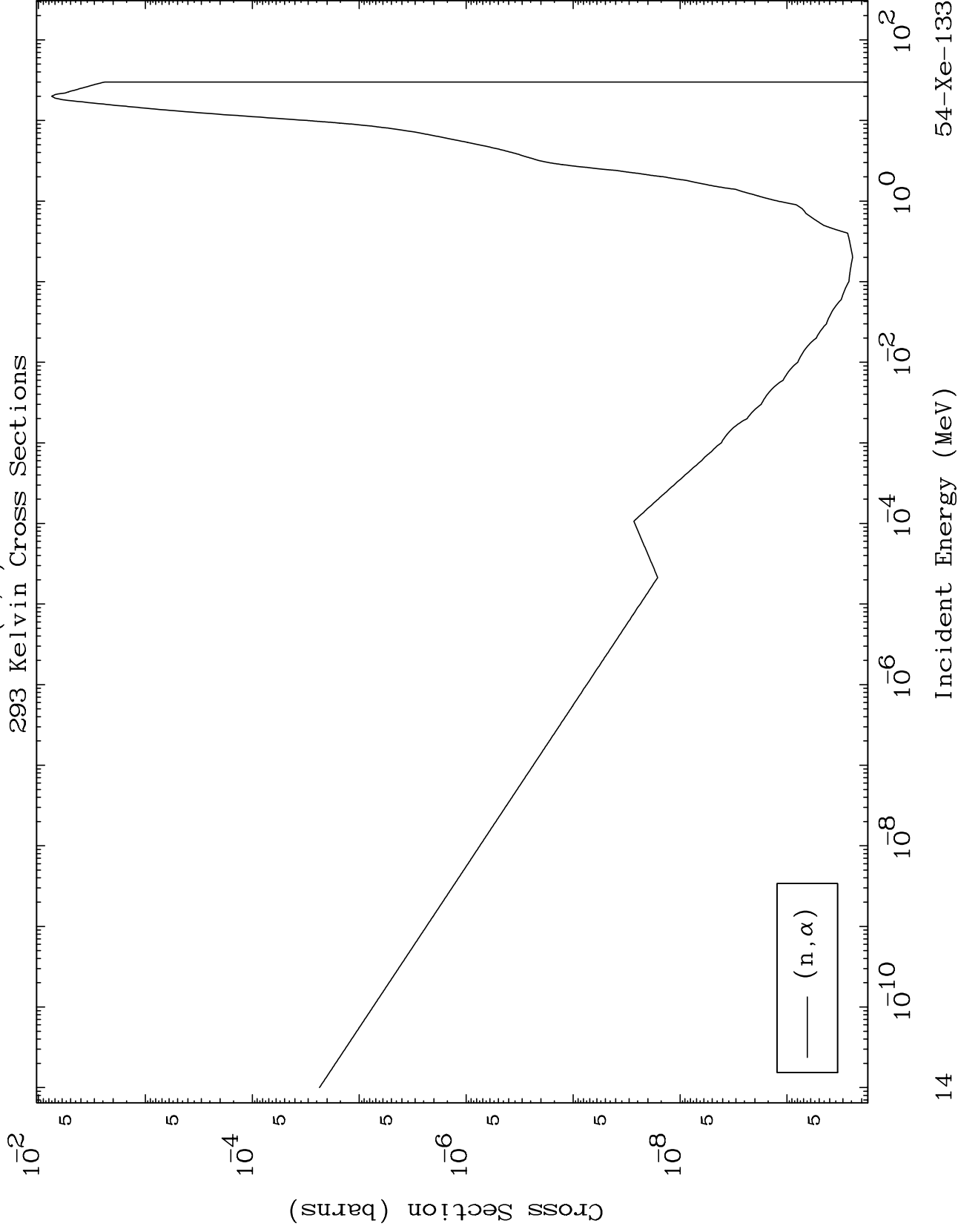
Incident Energy (MeV)

54-Xe-133

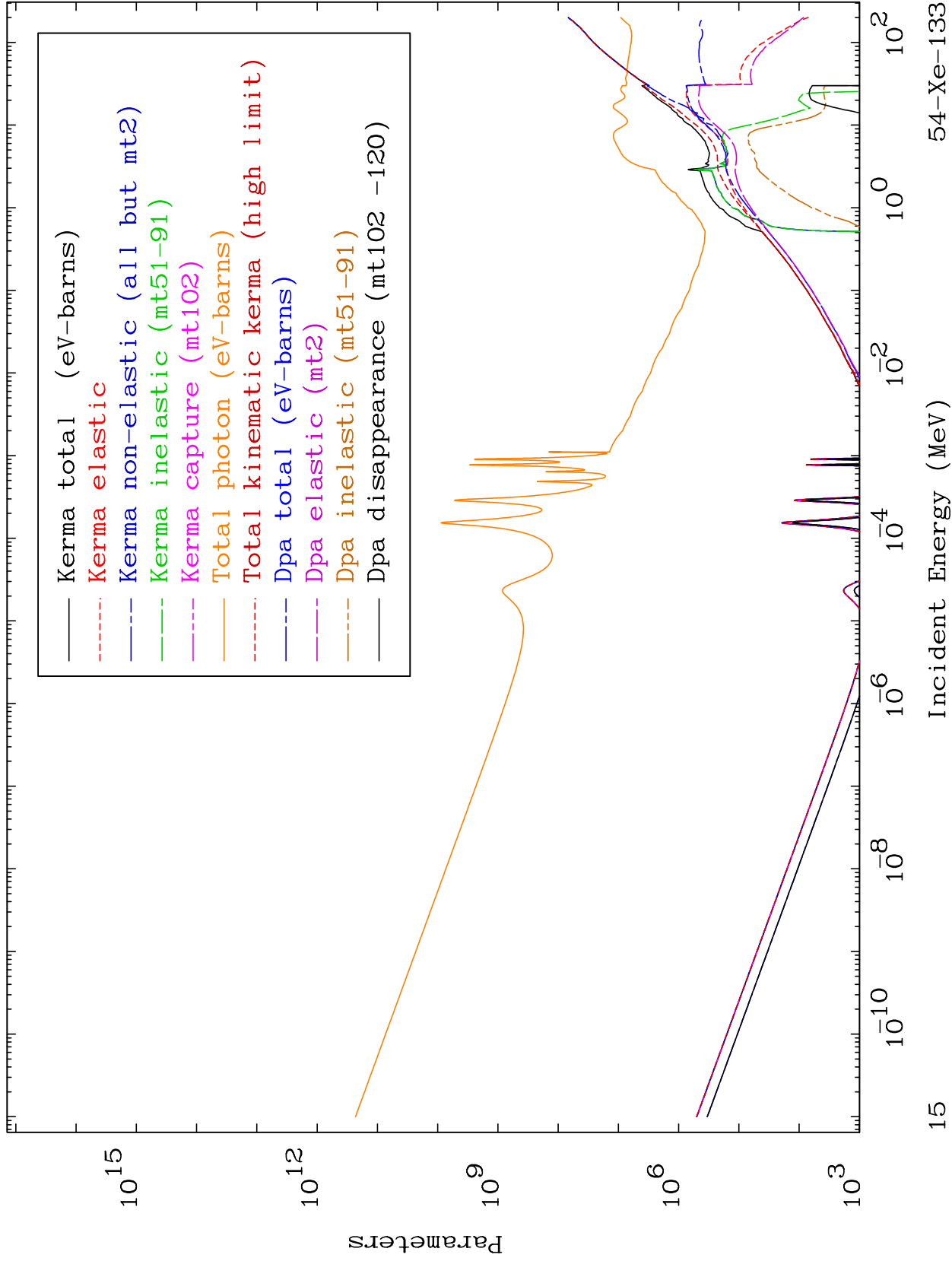
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(n, α) Levels
293 Kelvin Cross Sections

54-Xe-133



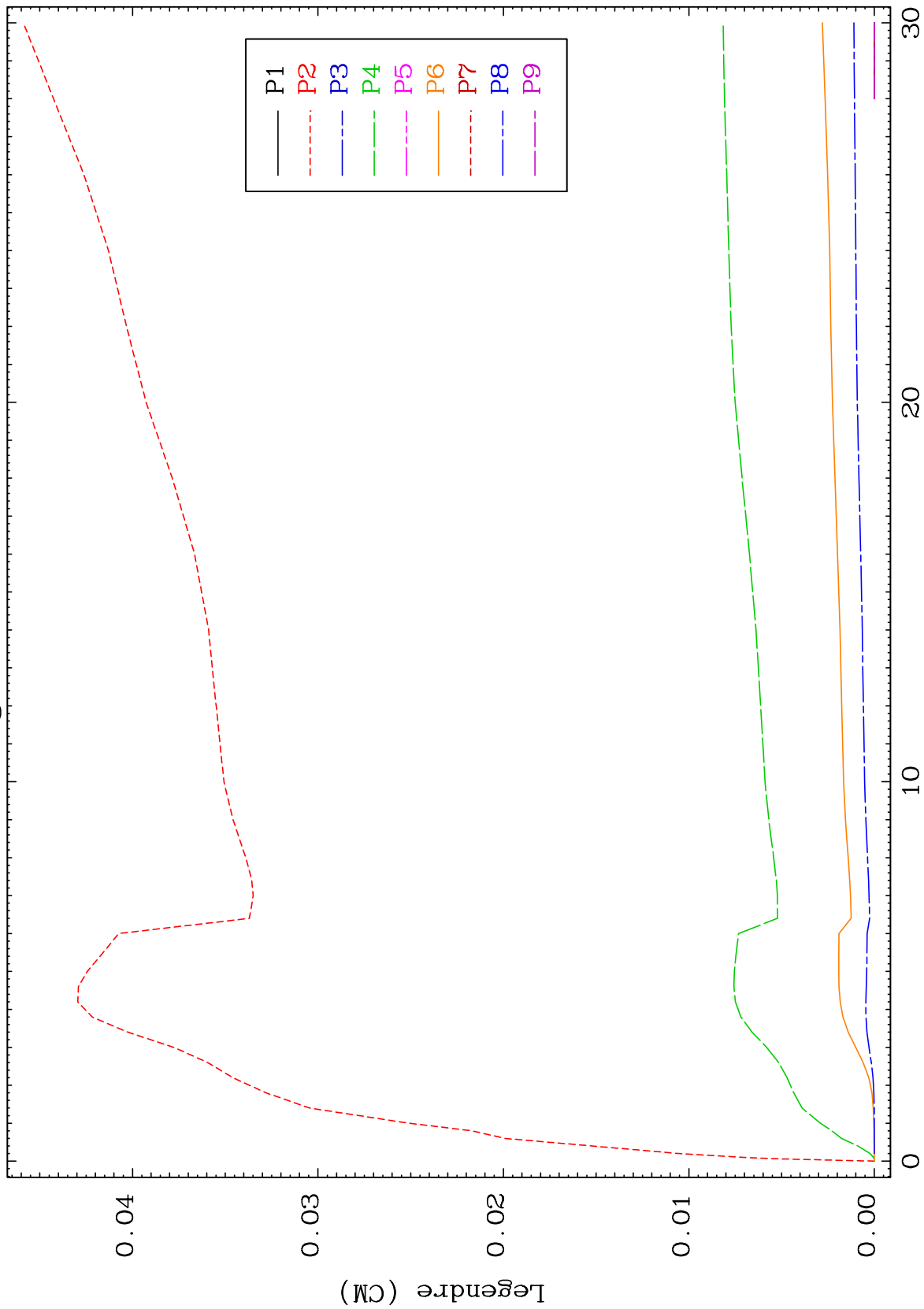
14



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Elastic
Legendre Coefficients

54-Xe-133



16

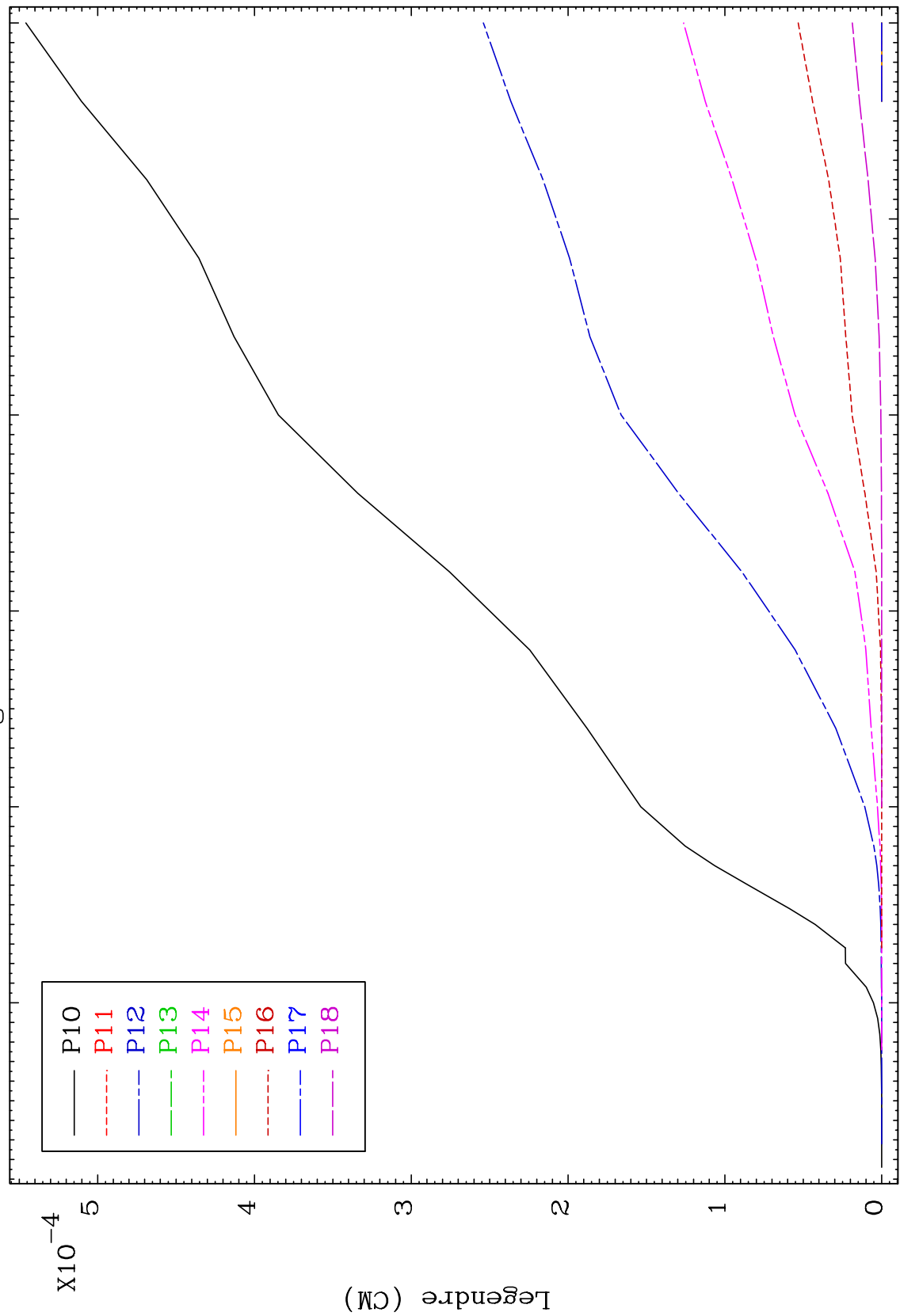
Incident Energy (MeV)

54-Xe-133

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Elastic Legendre Coefficients

54-Xe-133



17

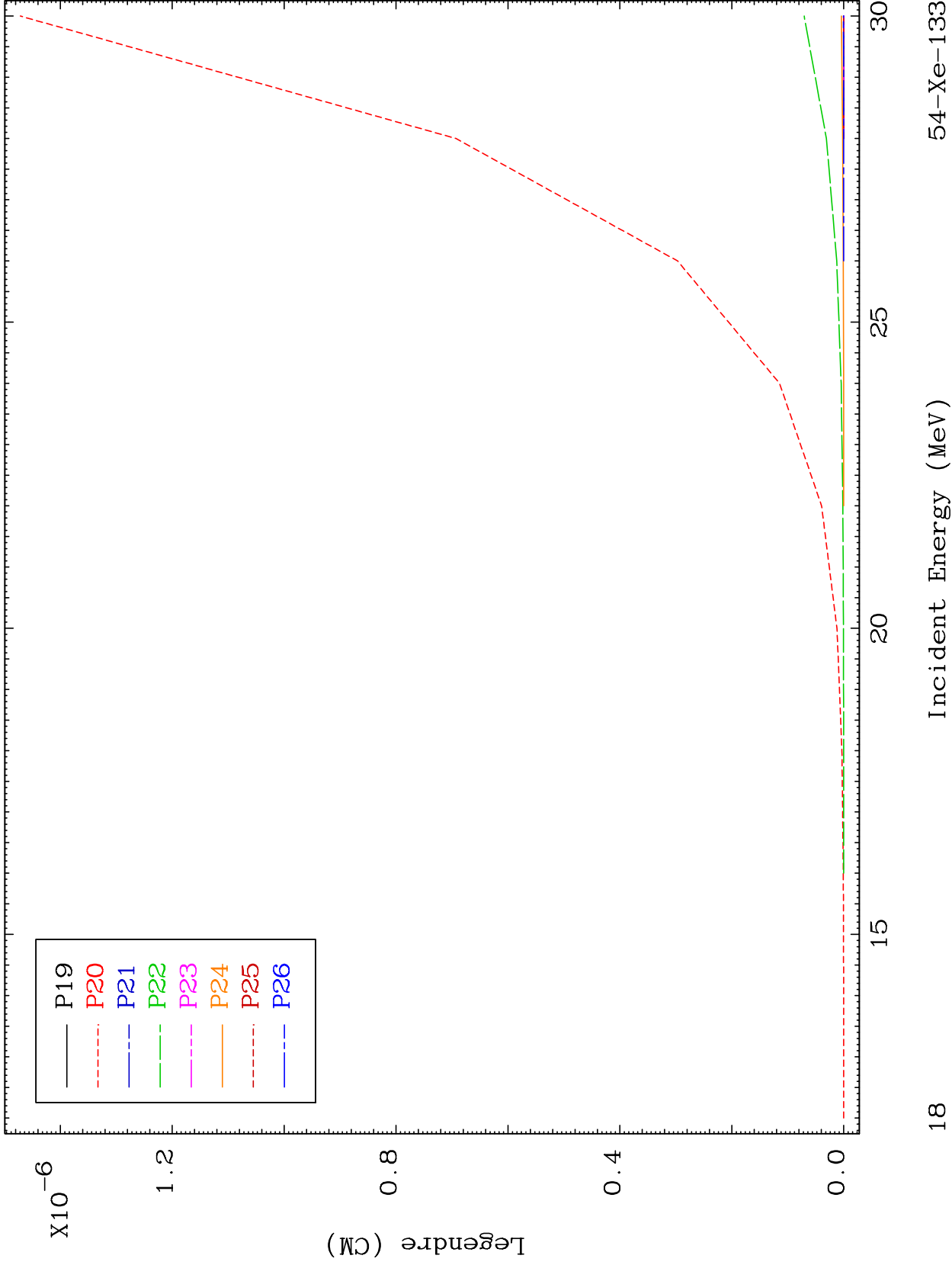
Incident Energy (MeV)

54-Xe-133

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Elastic Legendre Coefficients

54-Xe-133



18

Incident Energy (MeV)

54-Xe-133

15

20

25

30

$\times 10^{-6}$

1.2

0.8

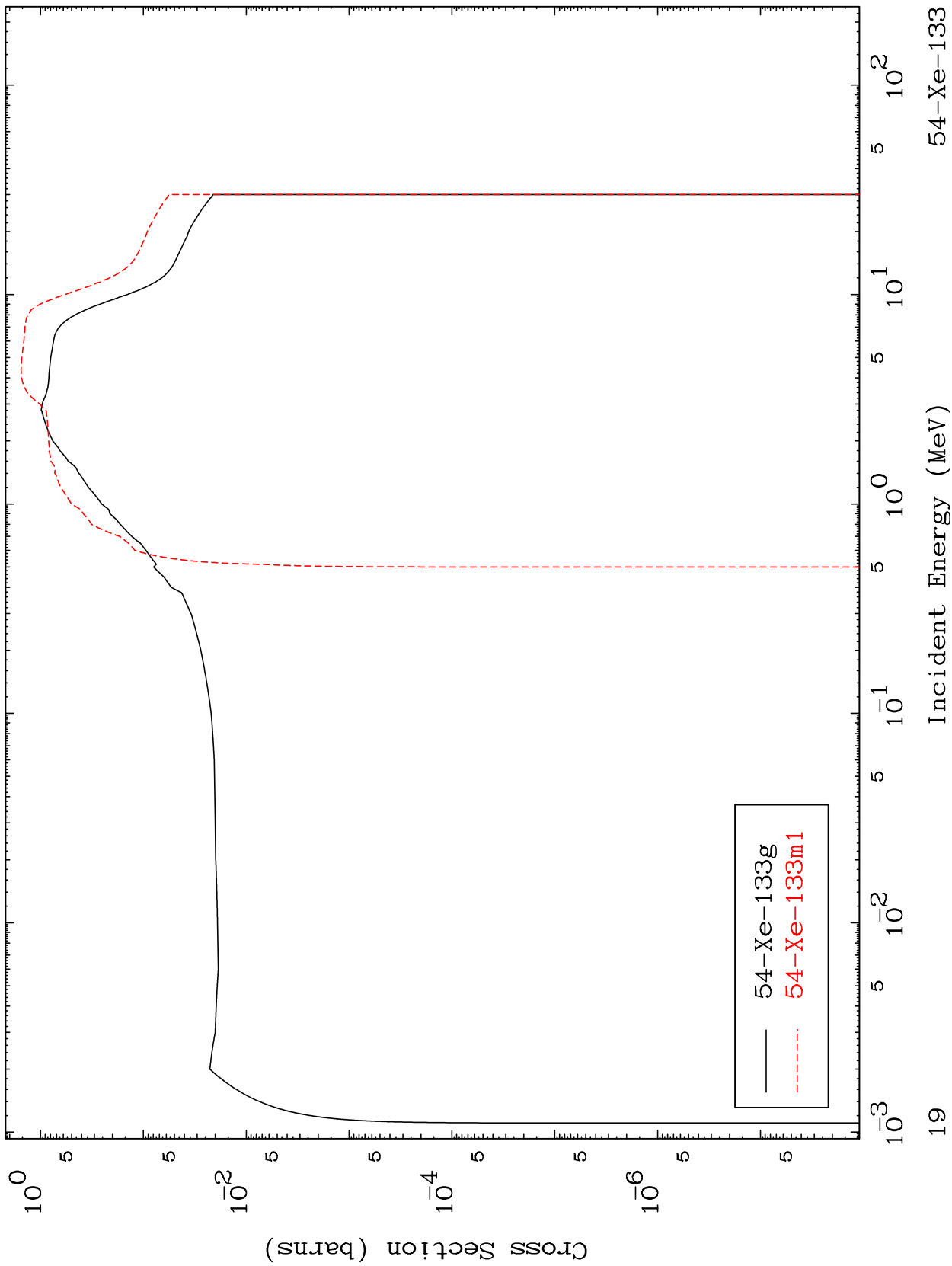
0.4

0.0

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54-Xe-133

Inelastic
Radionuclide Production Cross Section



54-Xe-133

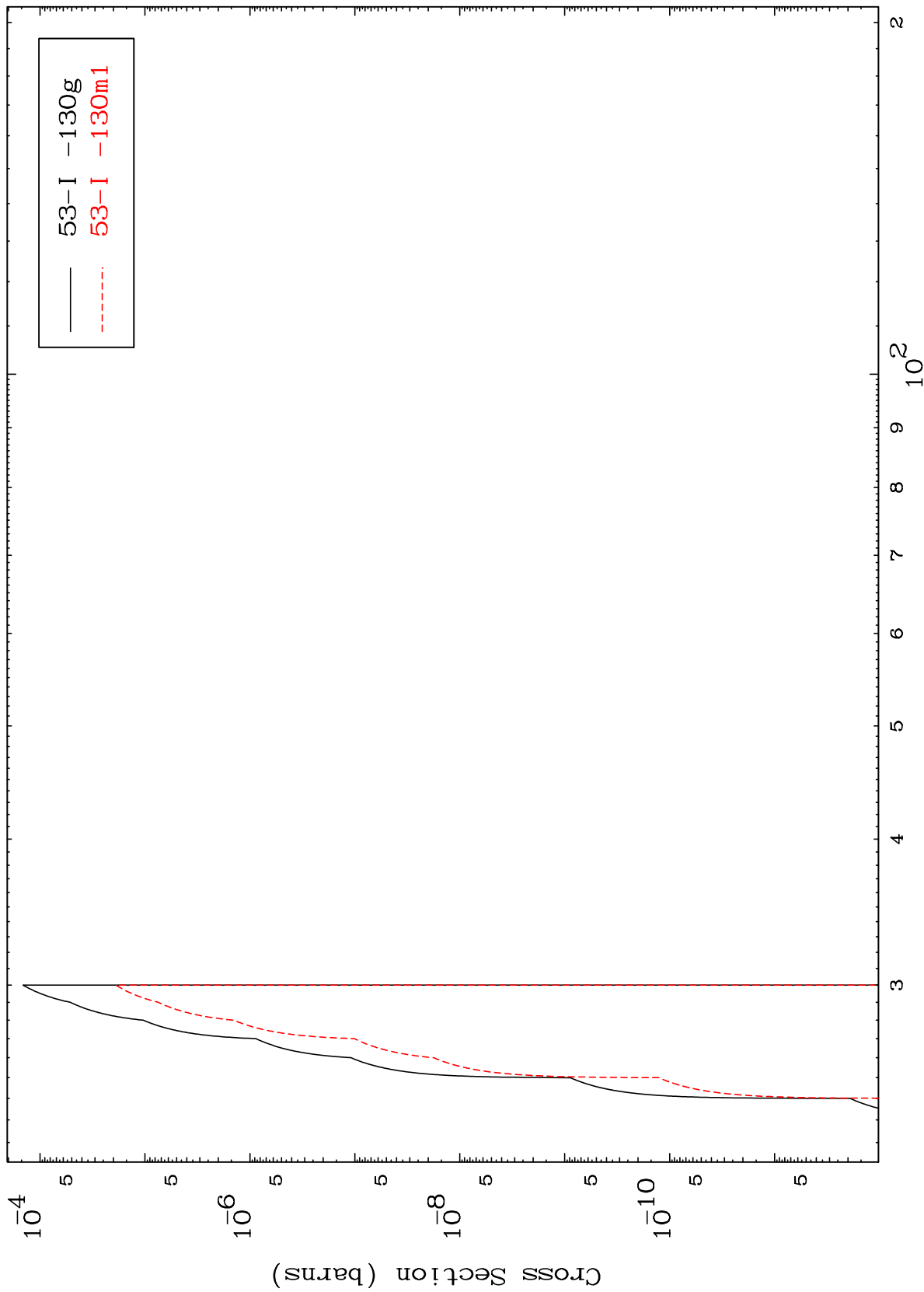
19

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(n,2n) d

54-Xe-133

Radionuclide Production Cross Section



53-I - 130g
53-I - 130m1

20

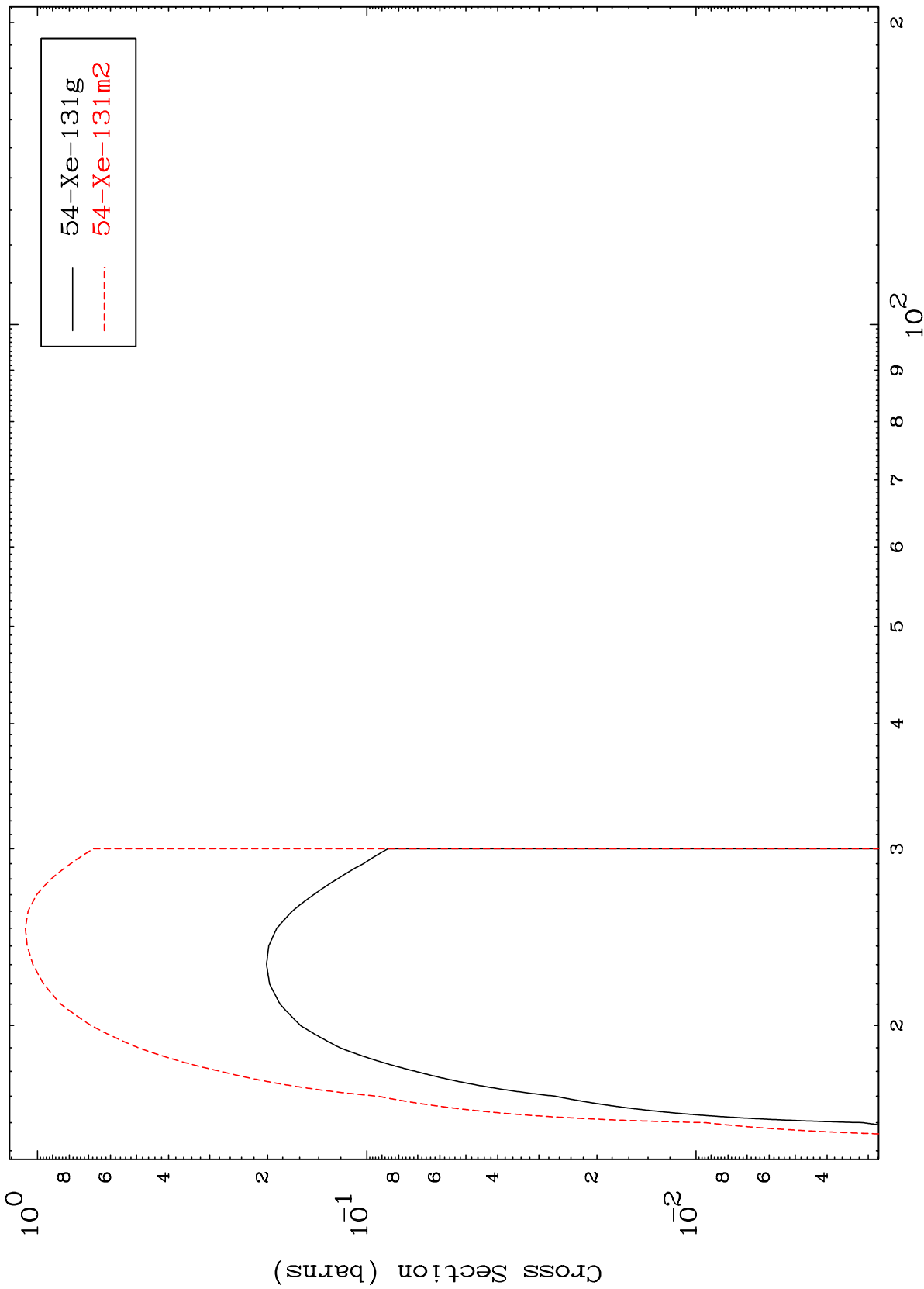
Incident Energy (MeV)

54-Xe-133

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54-Xe-133

(n,3n)
Radionuclide Production Cross Section

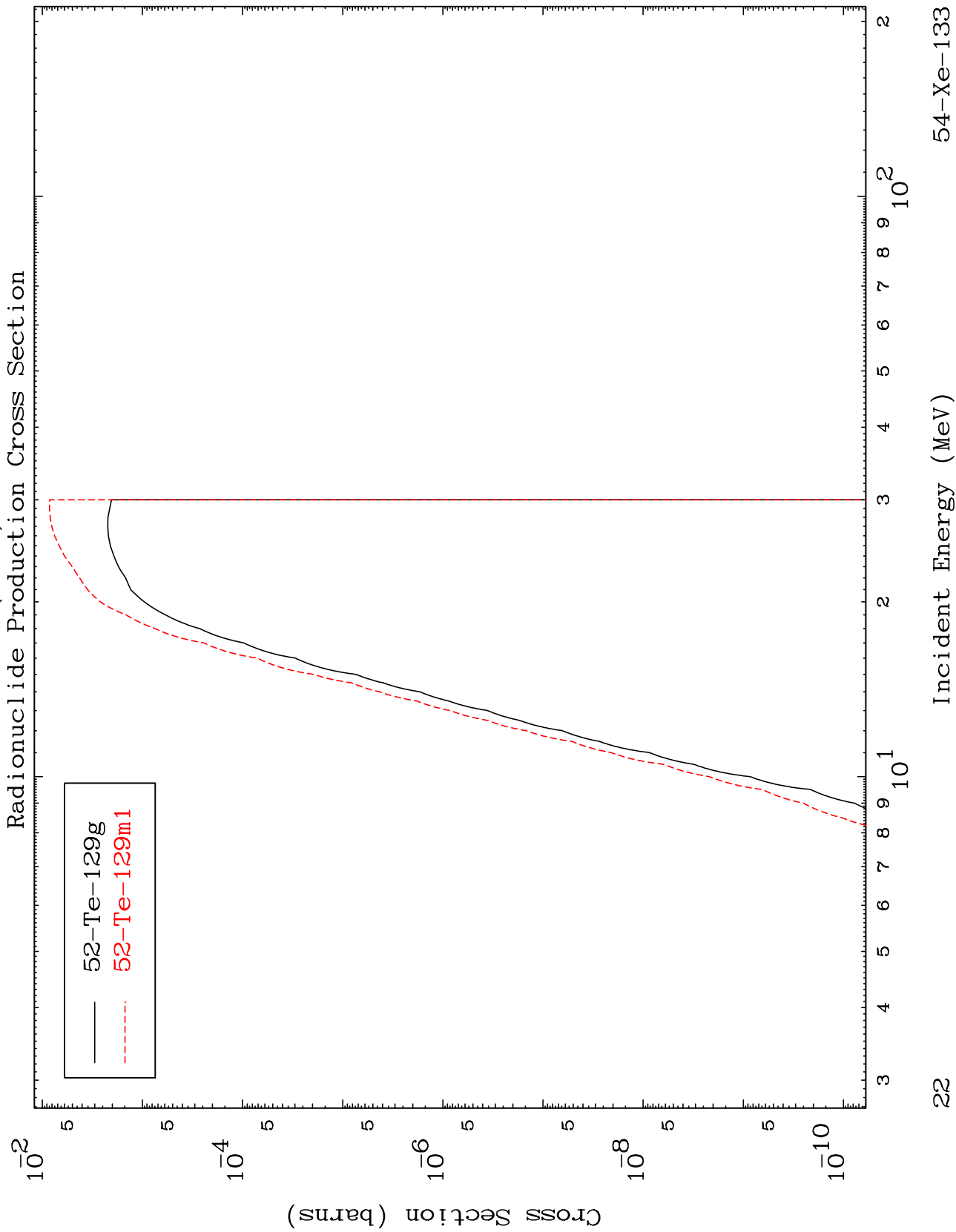


54-Xe-131g
54-Xe-131m2

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(n,n') α

54-Xe-133

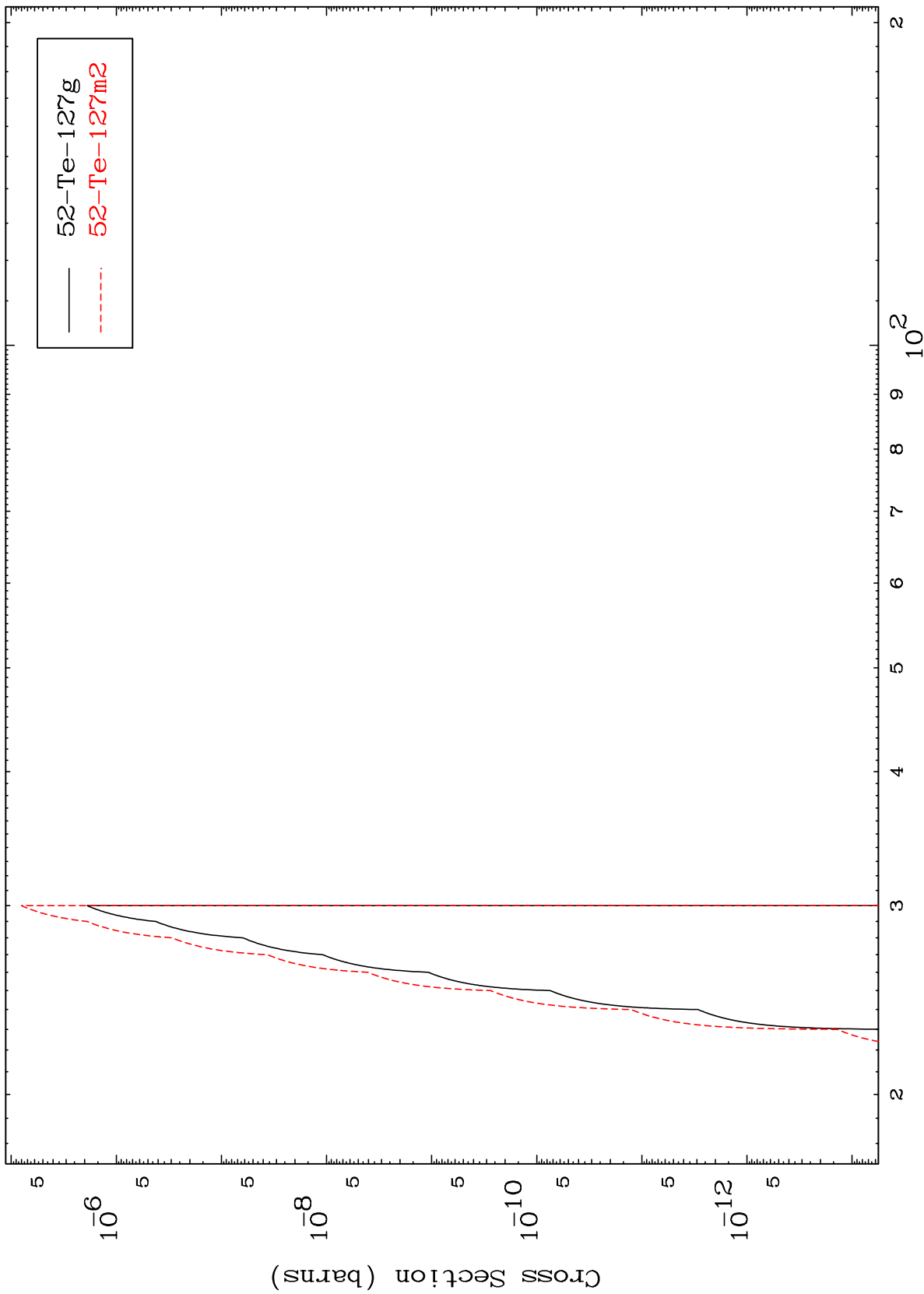


22

Incident Energy (MeV)

54-Xe-133

Radionuclide Production Cross Section

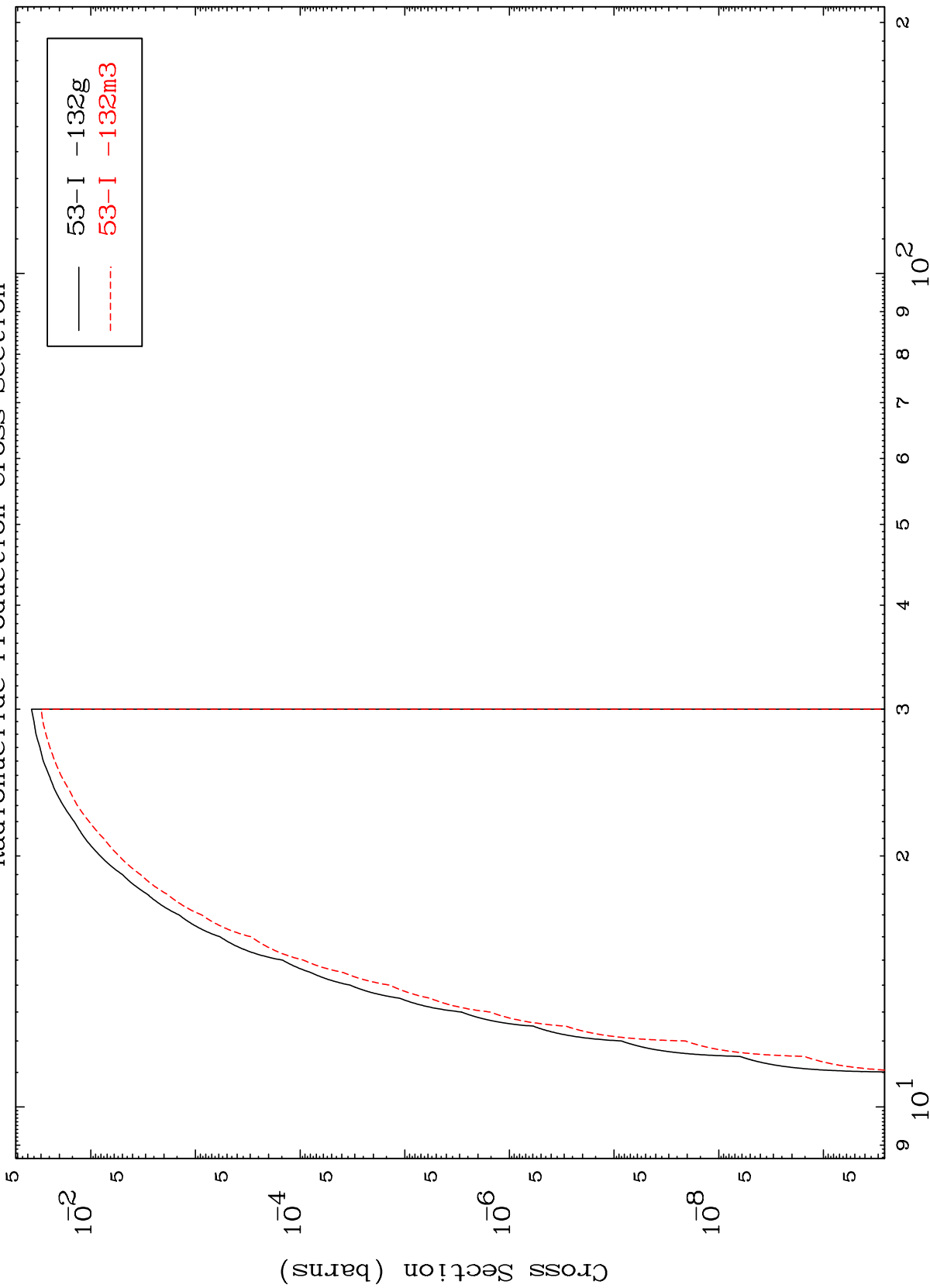


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(n,n') p

54-Xe-133

Radionuclide Production Cross Section



24

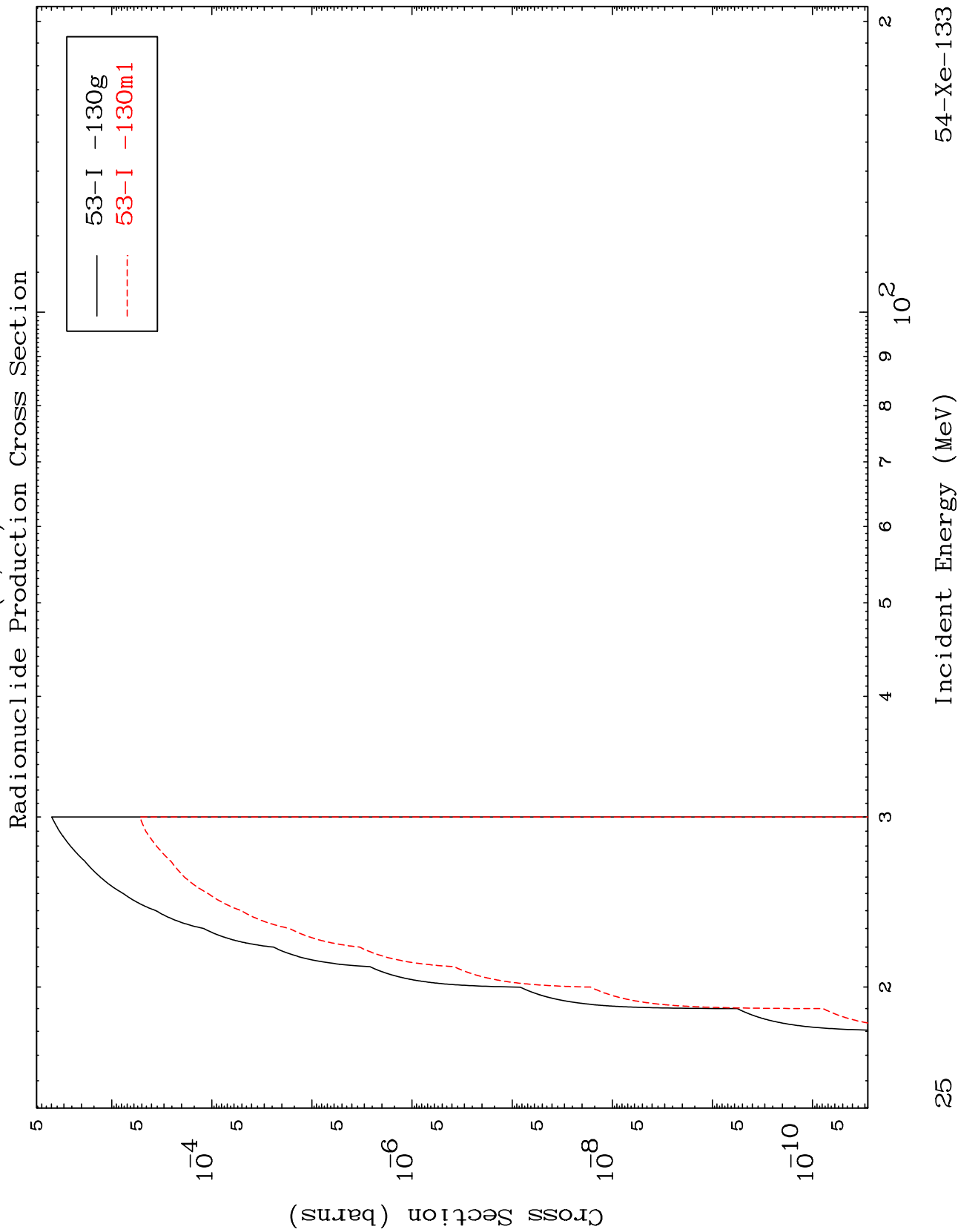
Incident Energy (MeV)

54-Xe-133

MAT 5453

(n,n') t

54-Xe-133

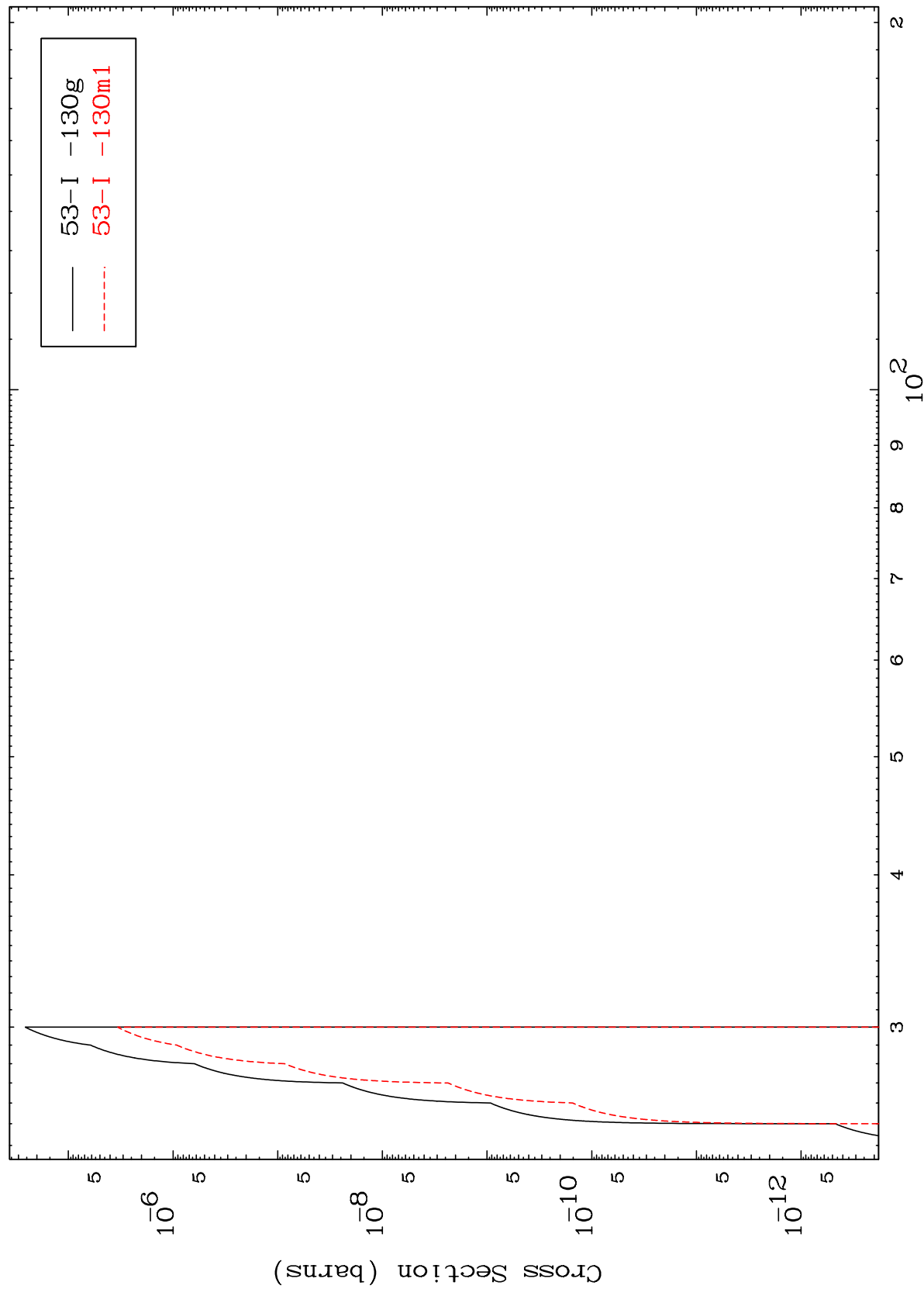


54-Xe-133

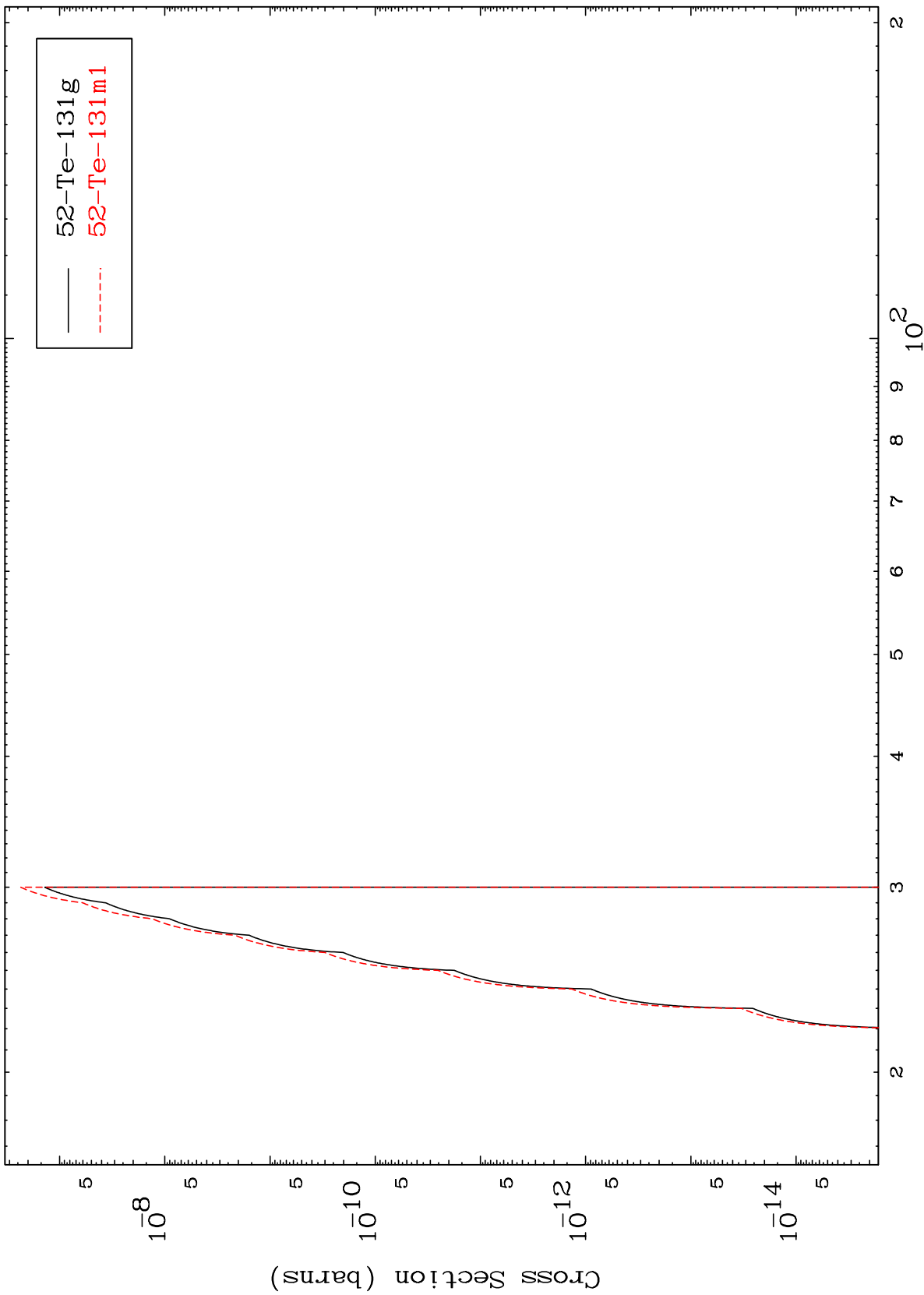
Incident Energy (MeV)

25

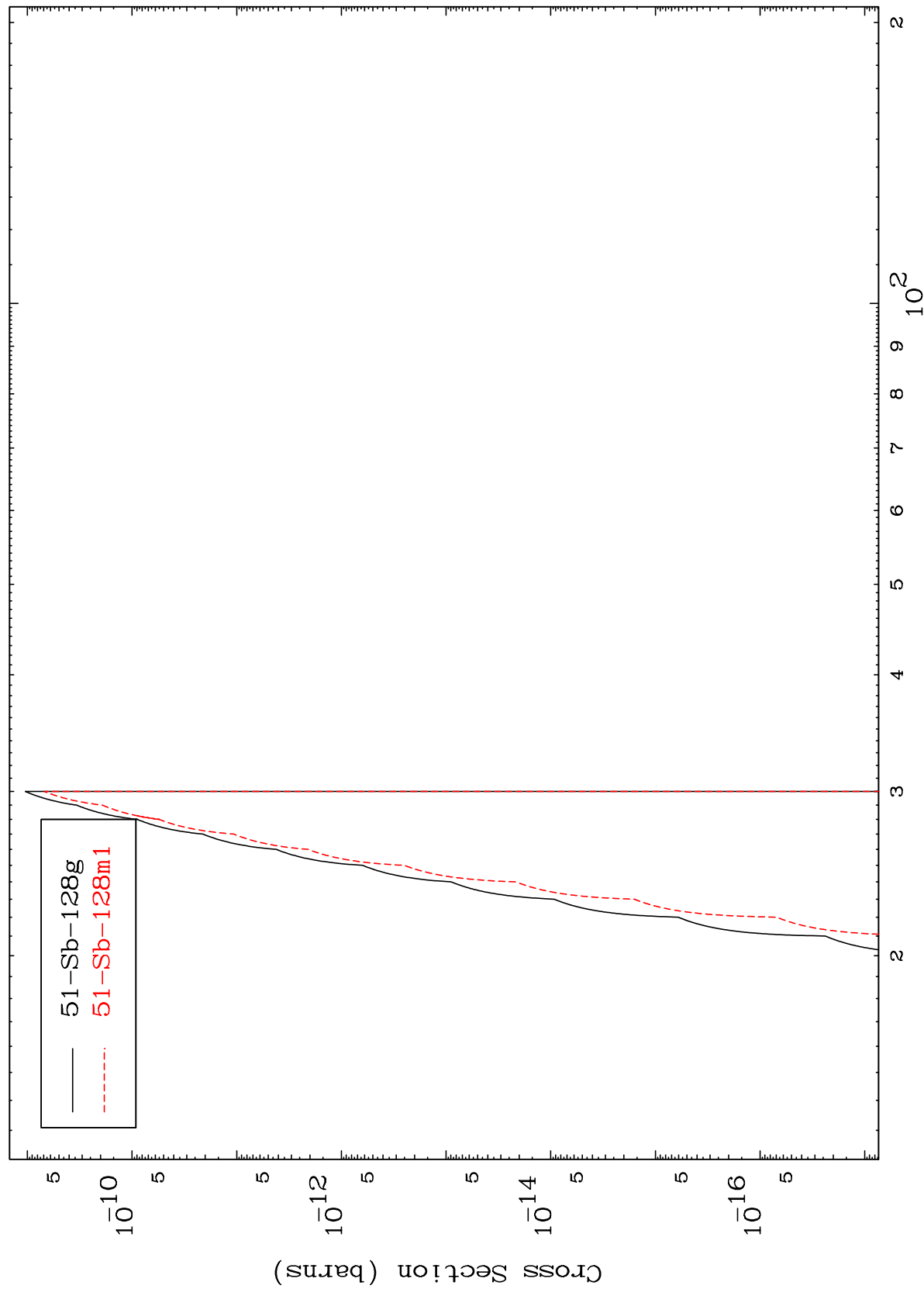
Radionuclide Production Cross Section



Radionuclide Production Cross Section



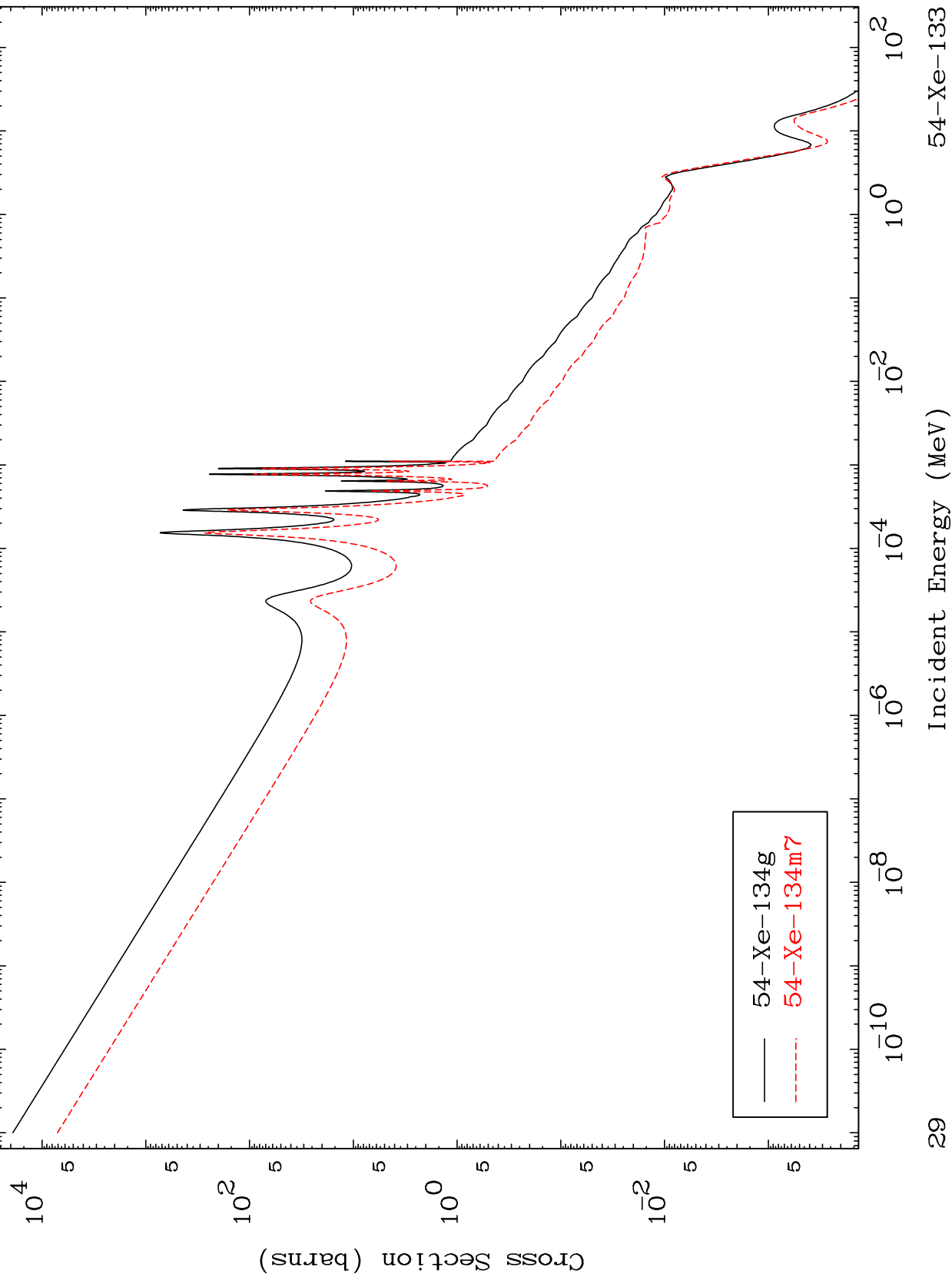
Radionuclide Production Cross Section



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54-Xe-133

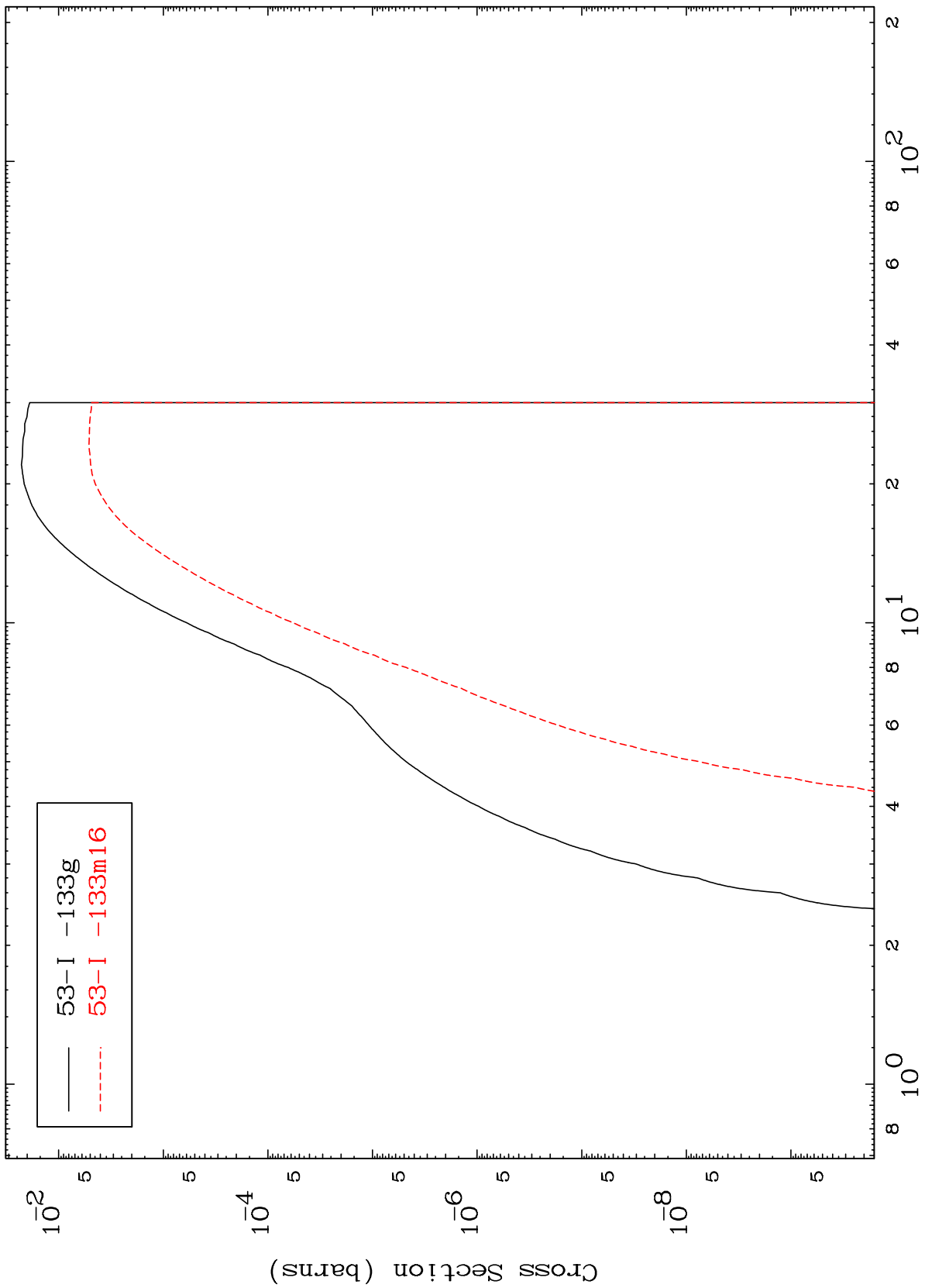
(n, γ)
Radionuclide Production Cross Section



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54-Xe-133

(n,p)
Radionuclide Production Cross Section



30

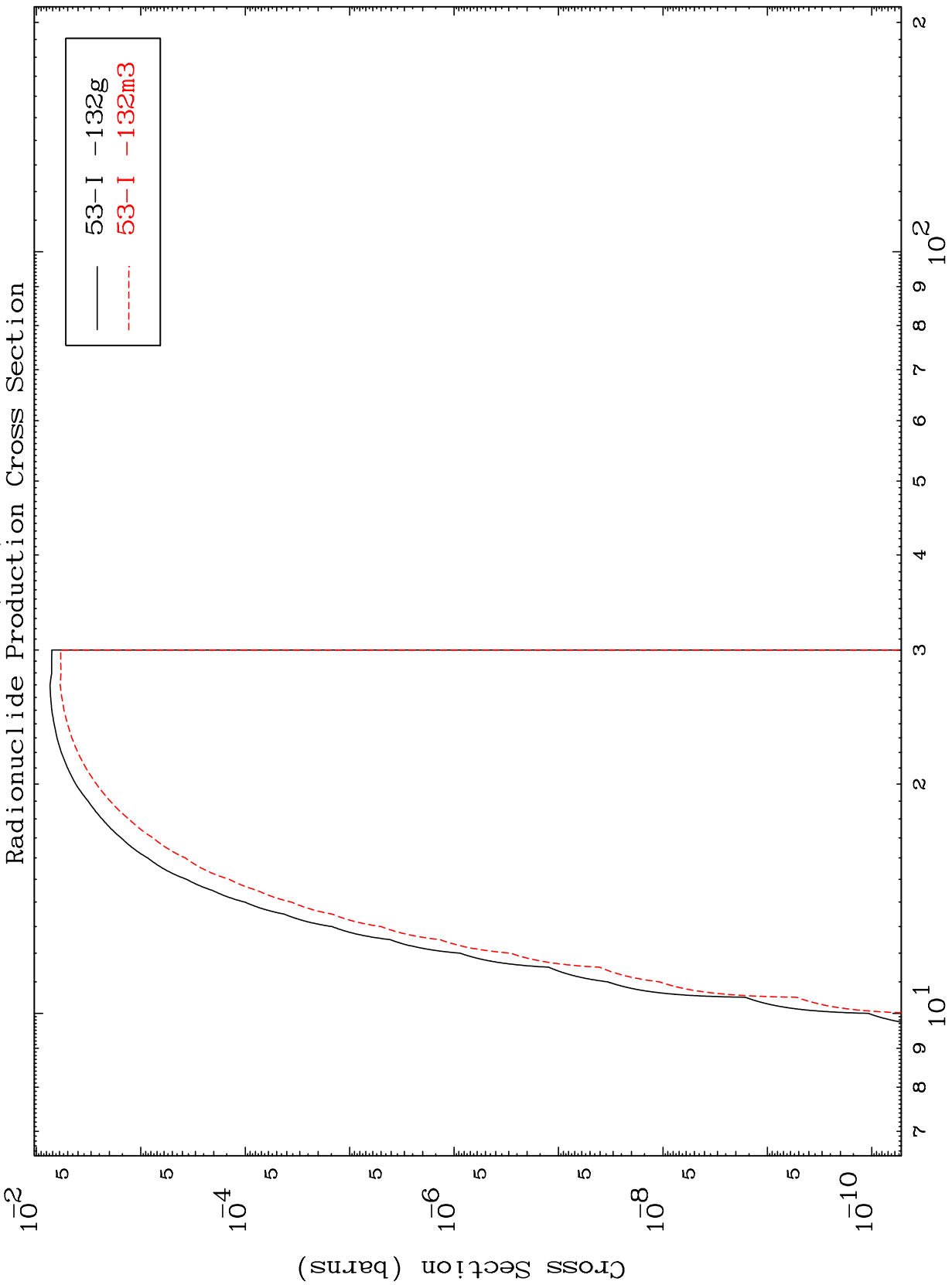
Incident Energy (MeV)

54-Xe-133

MAT 5453

54-Xe-133

(n,d)
Radionuclide Production Cross Section

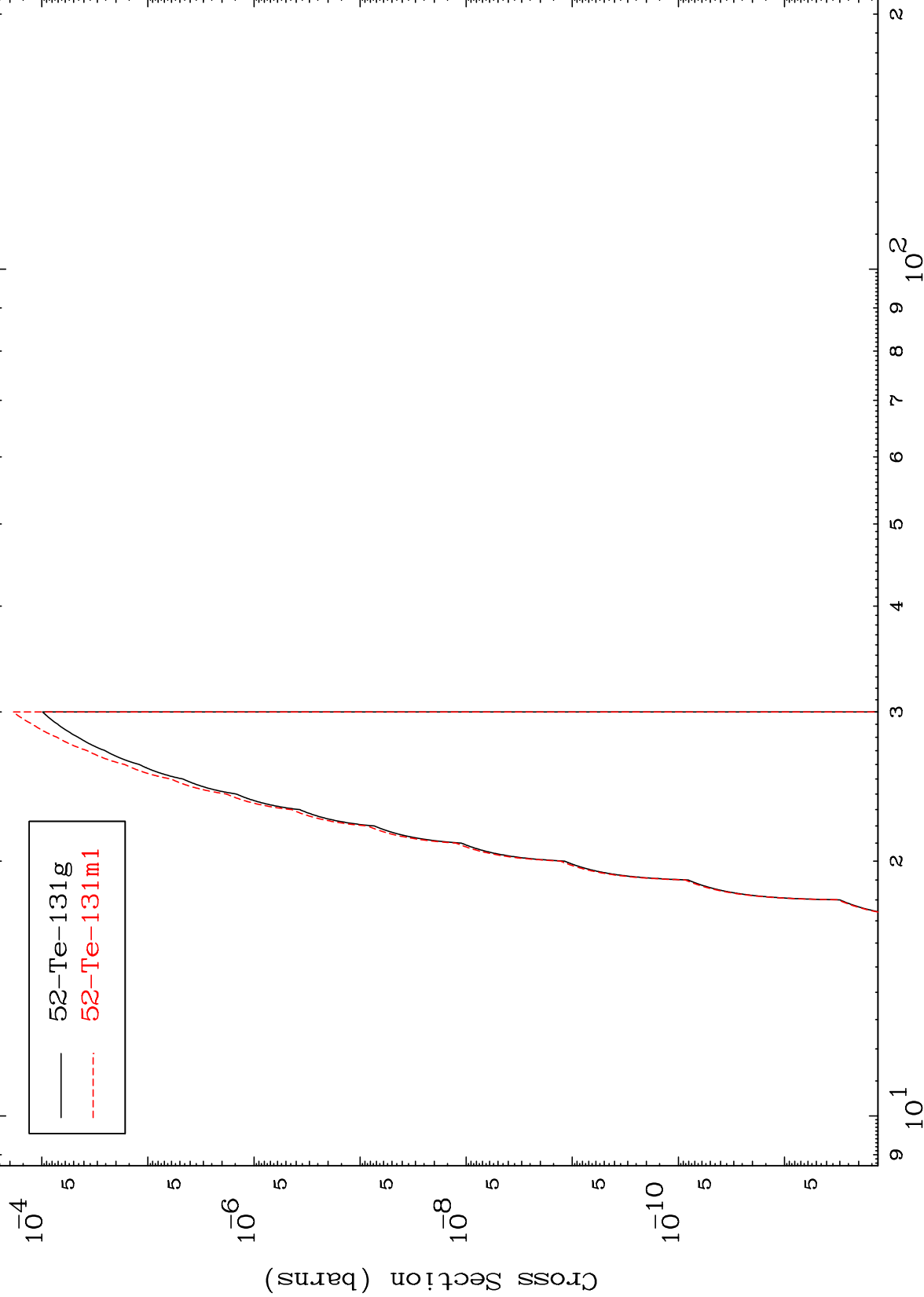


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(n,He-3)

54-Xe-133

Radionuclide Production Cross Section



52-Te-131g
52-Te-131m1

32

Incident Energy (MeV)

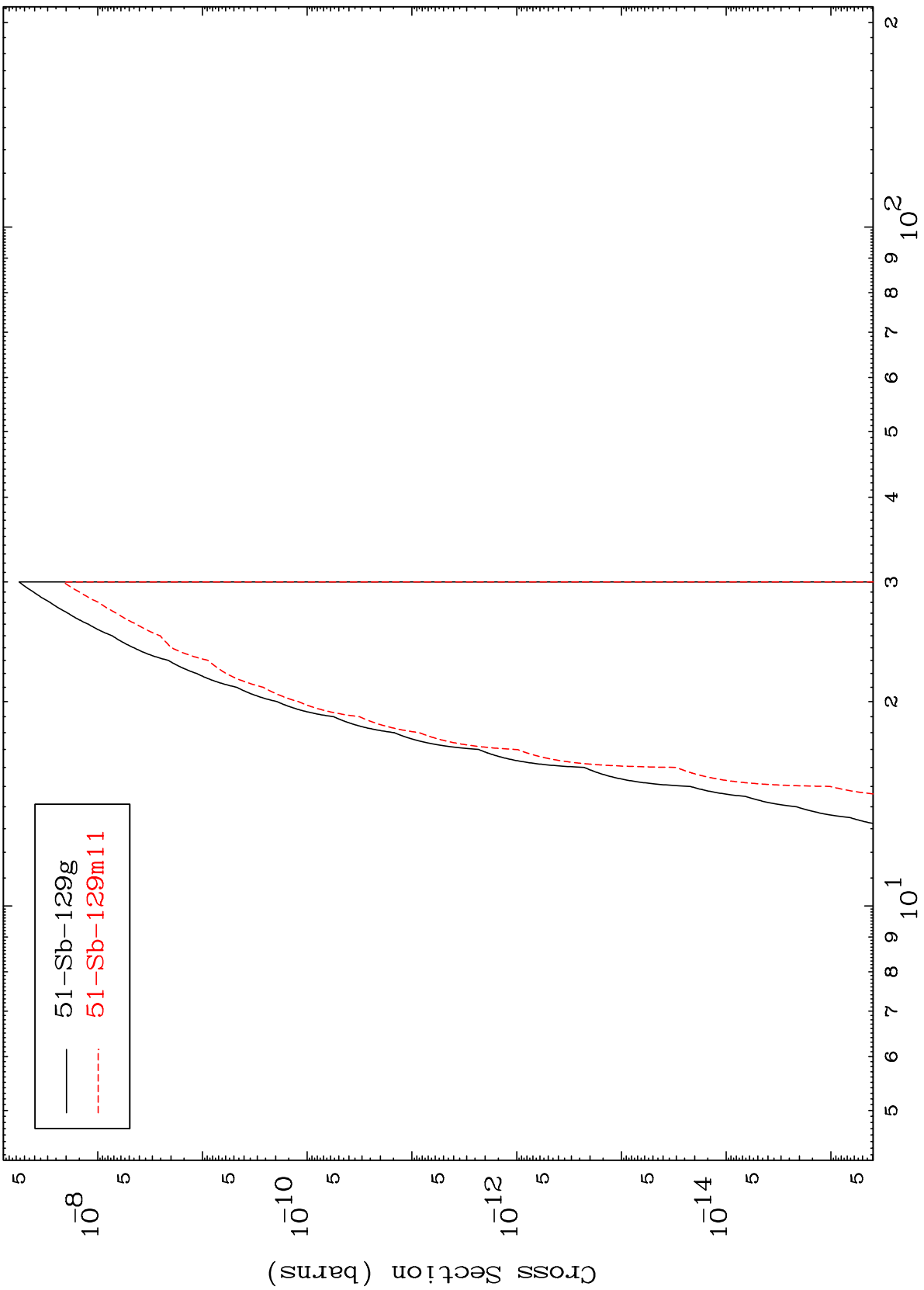
54-Xe-133

MAT 5453

(n,p) α

54-Xe-133

Radionuclide Production Cross Section



33

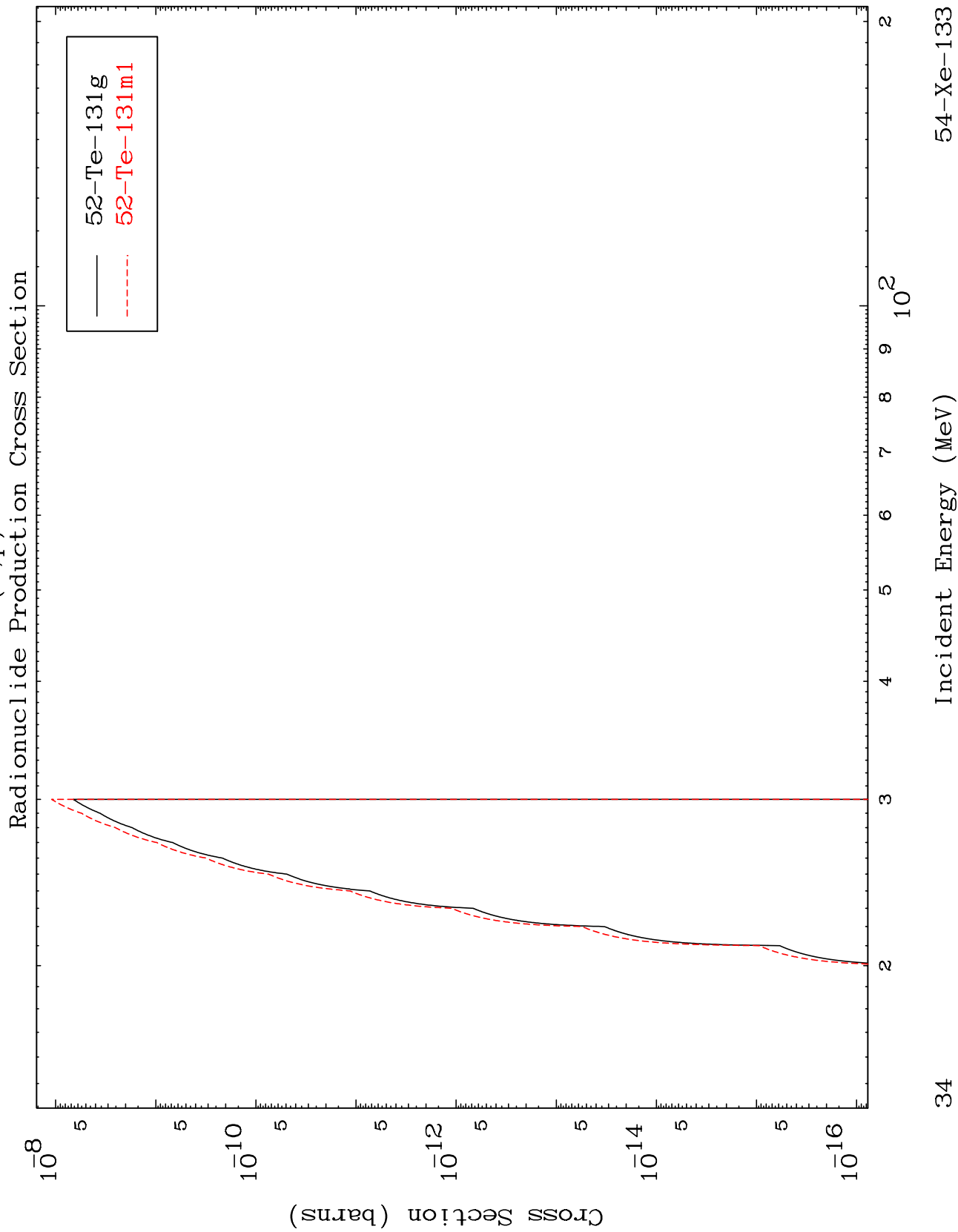
Incident Energy (MeV)

54-Xe-133

MAT 5453

(n,p) d

54-Xe-133



34

54-Xe-133