

Program EVALPLOT
(Version 2021-1)

by

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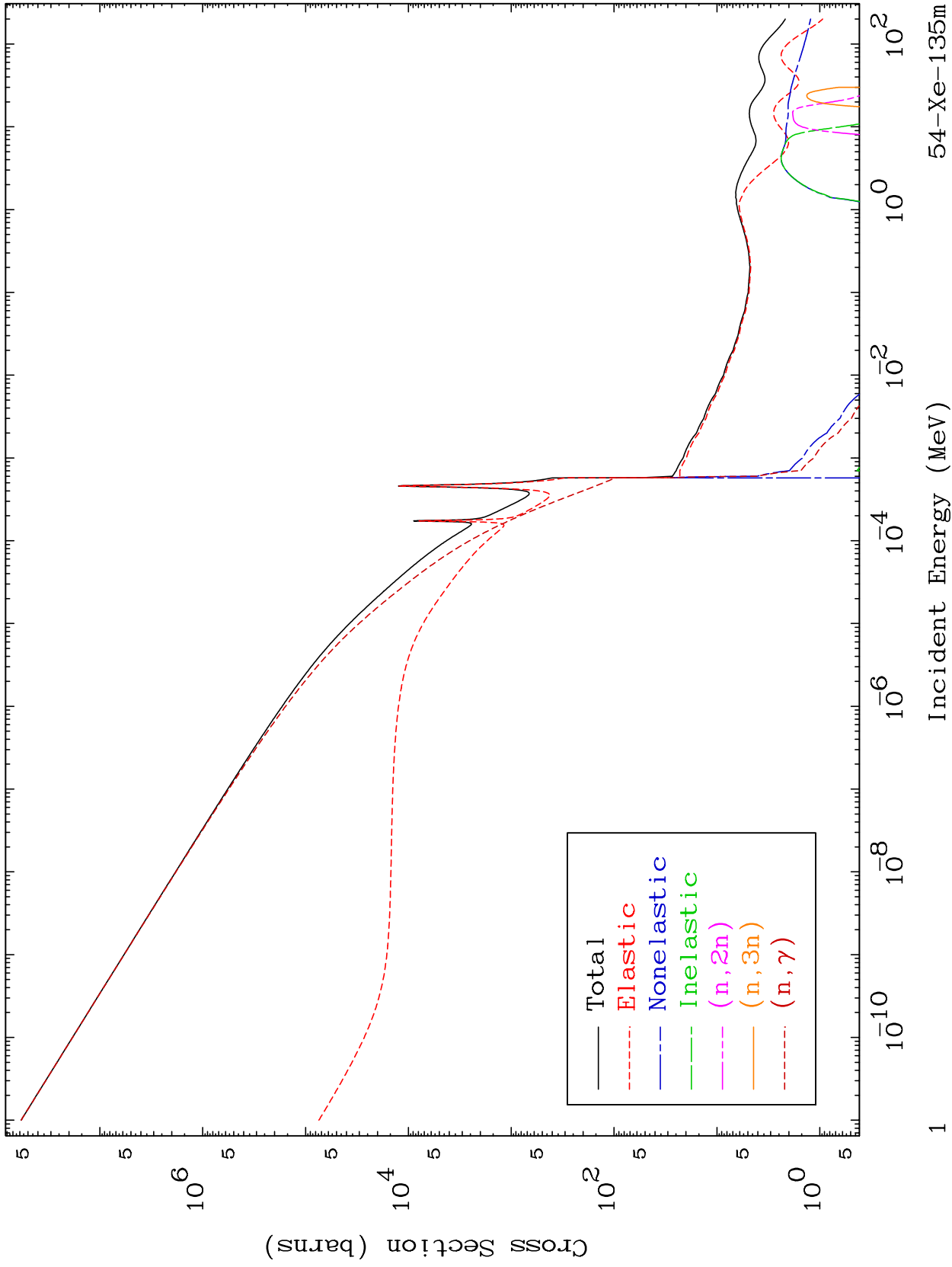
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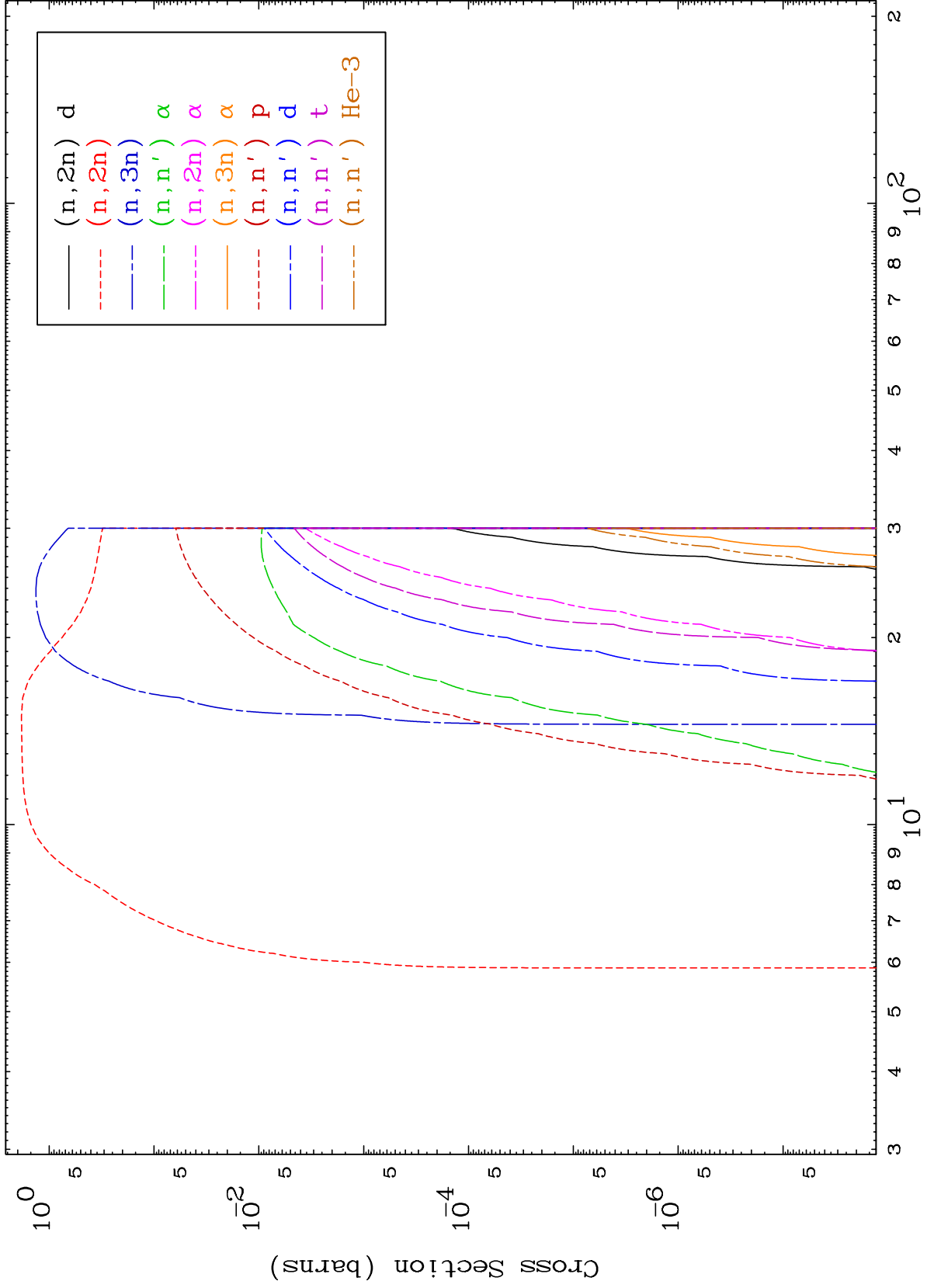
Press Mouse Button to Start

MAT 5459

Neutron Major
293 Kelvin Cross Sections

54-Xe-135m

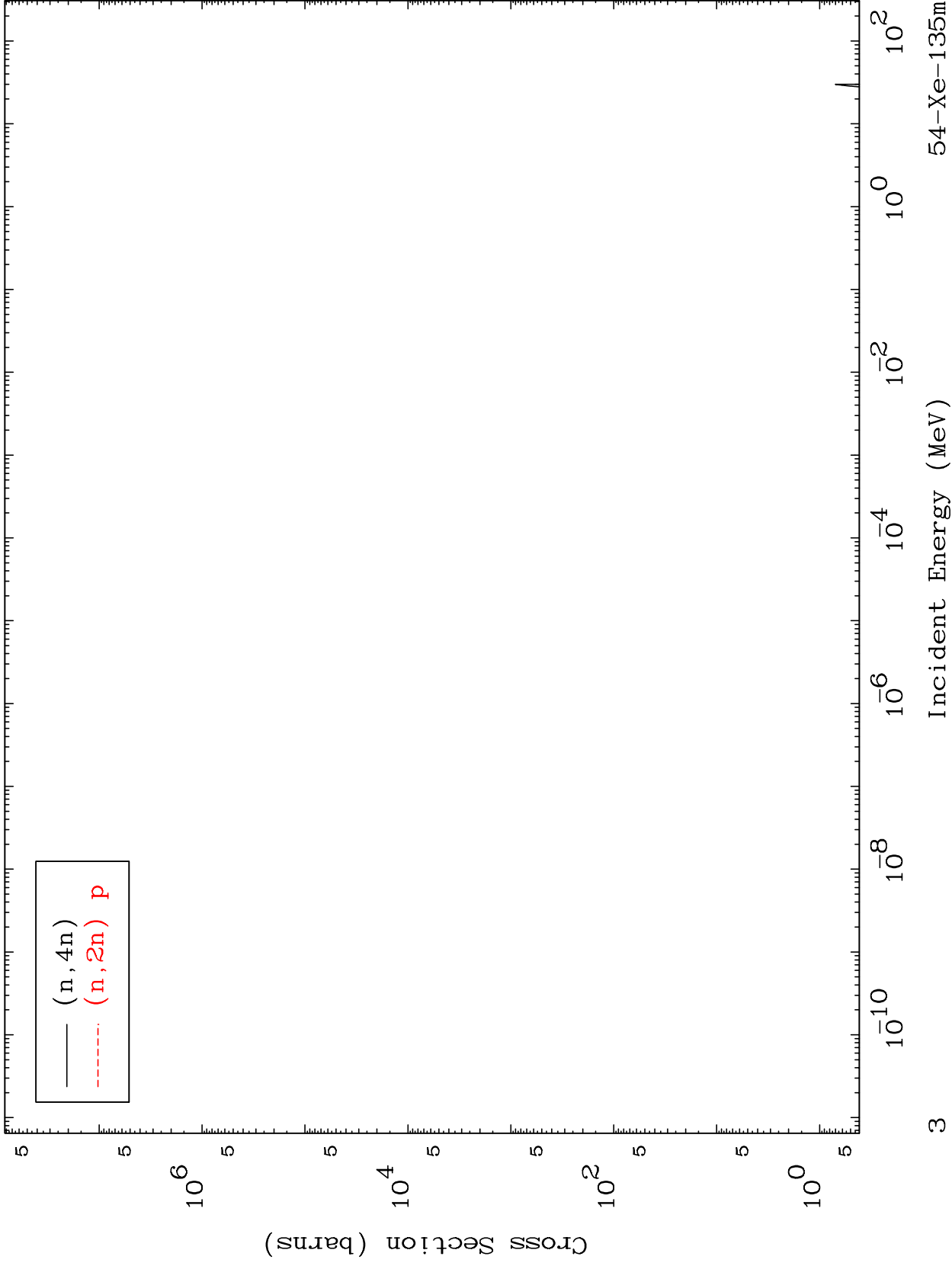




MAT 5459

Neutron Absorption
293 Kelvin Cross Sections

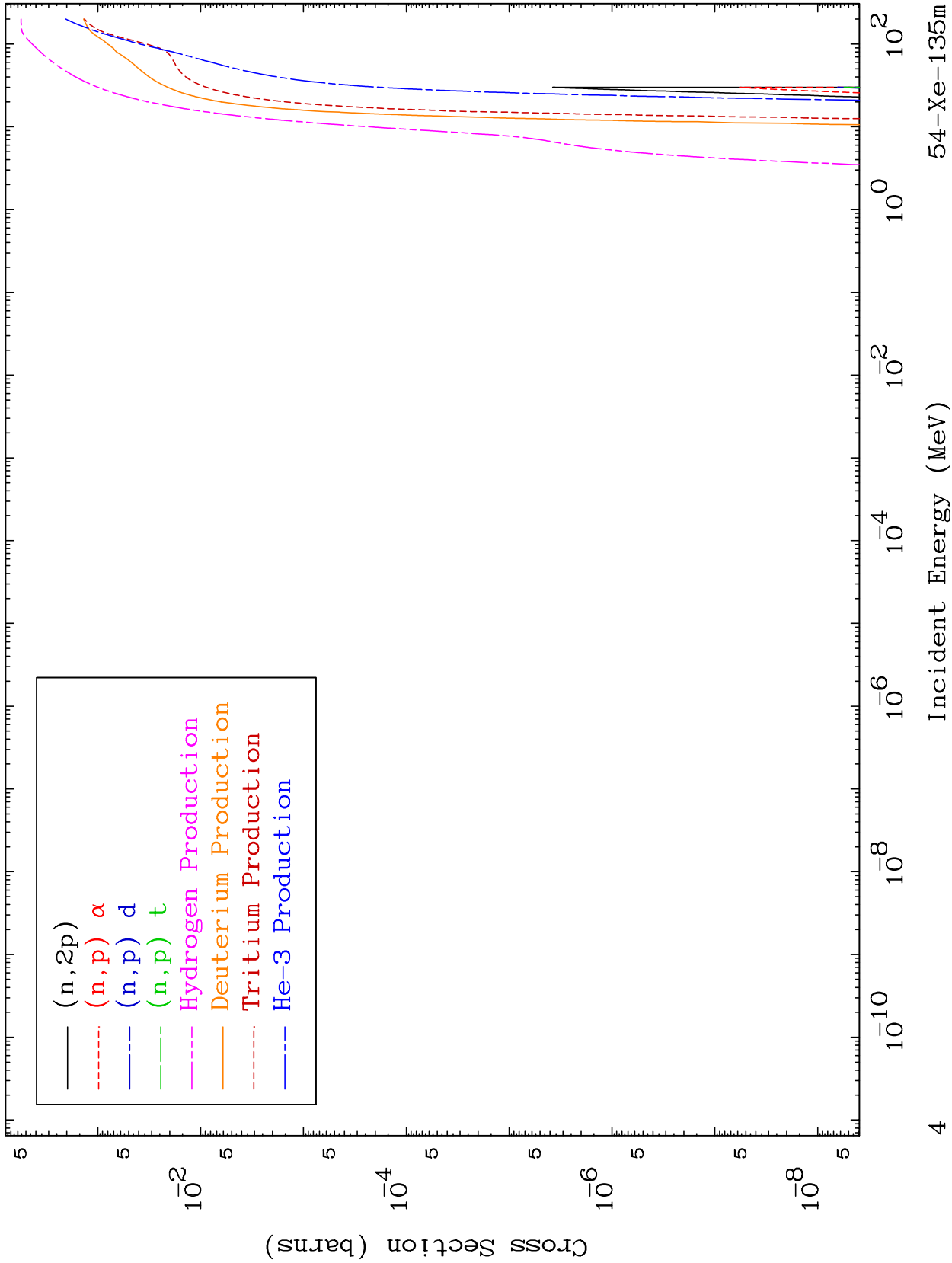
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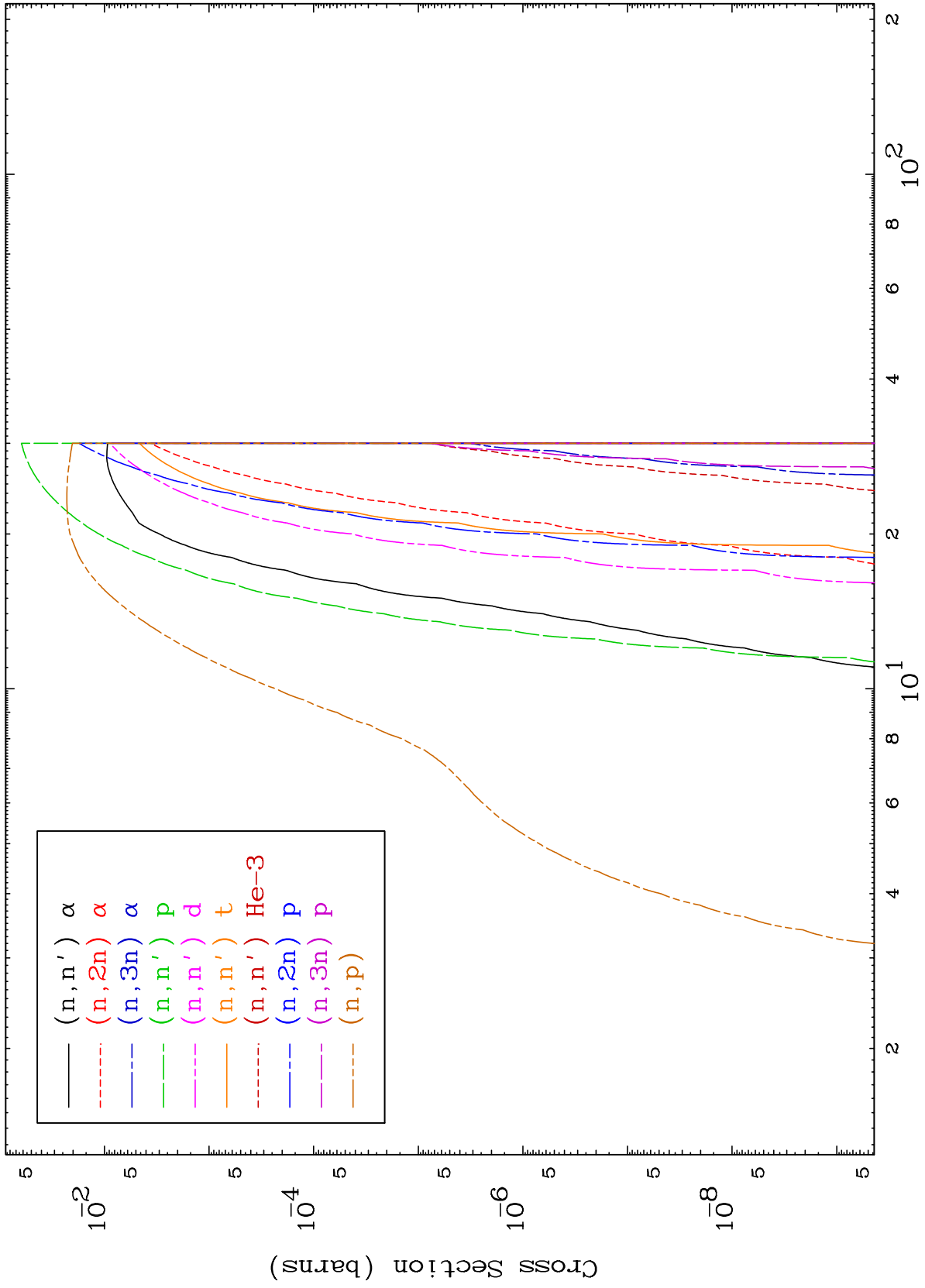


MAT 5459

Neutron Absorption
293 Kelvin Cross Sections

54-Xe-135m

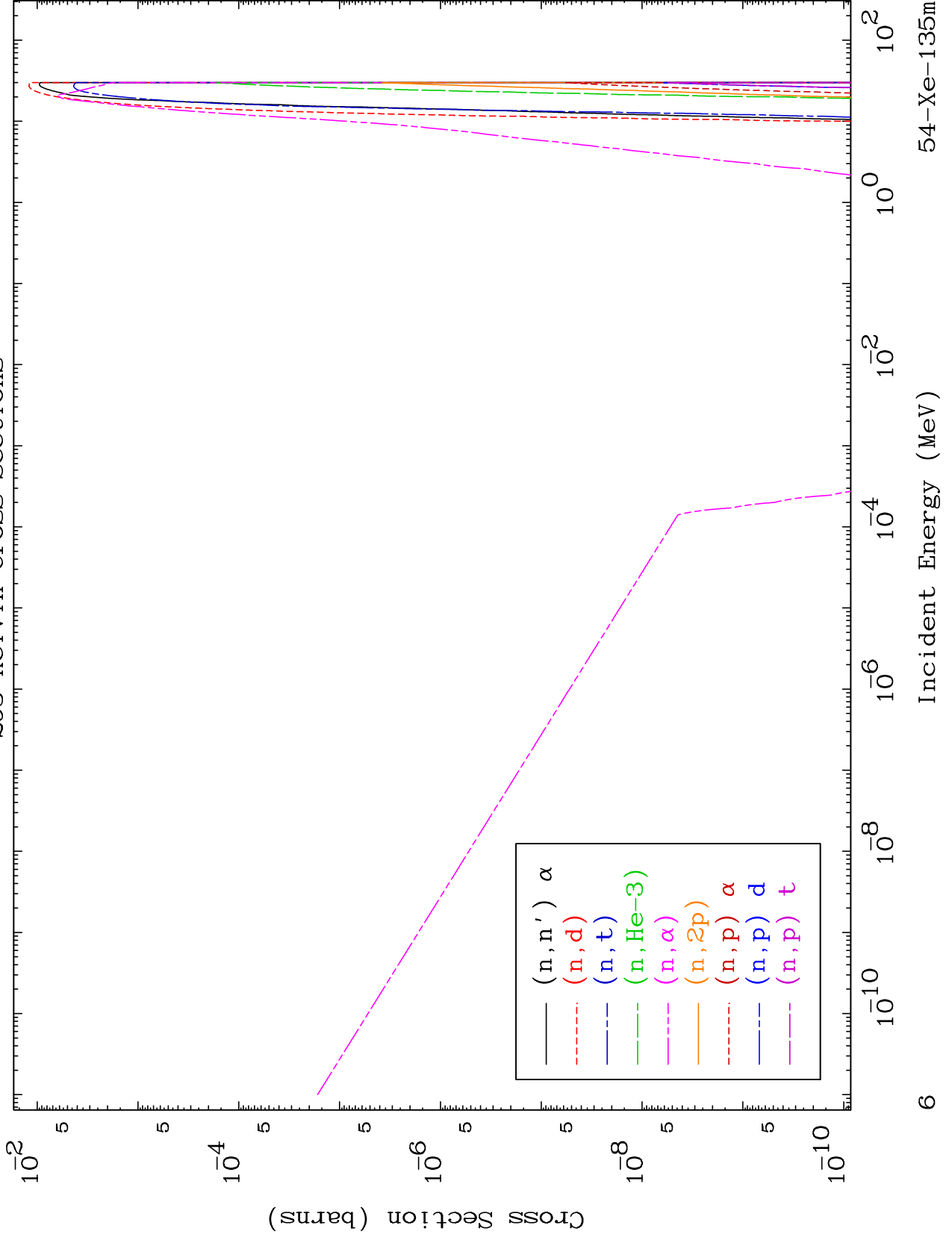




MAT 5459

Charged Particle
293 Kelvin Cross Sections

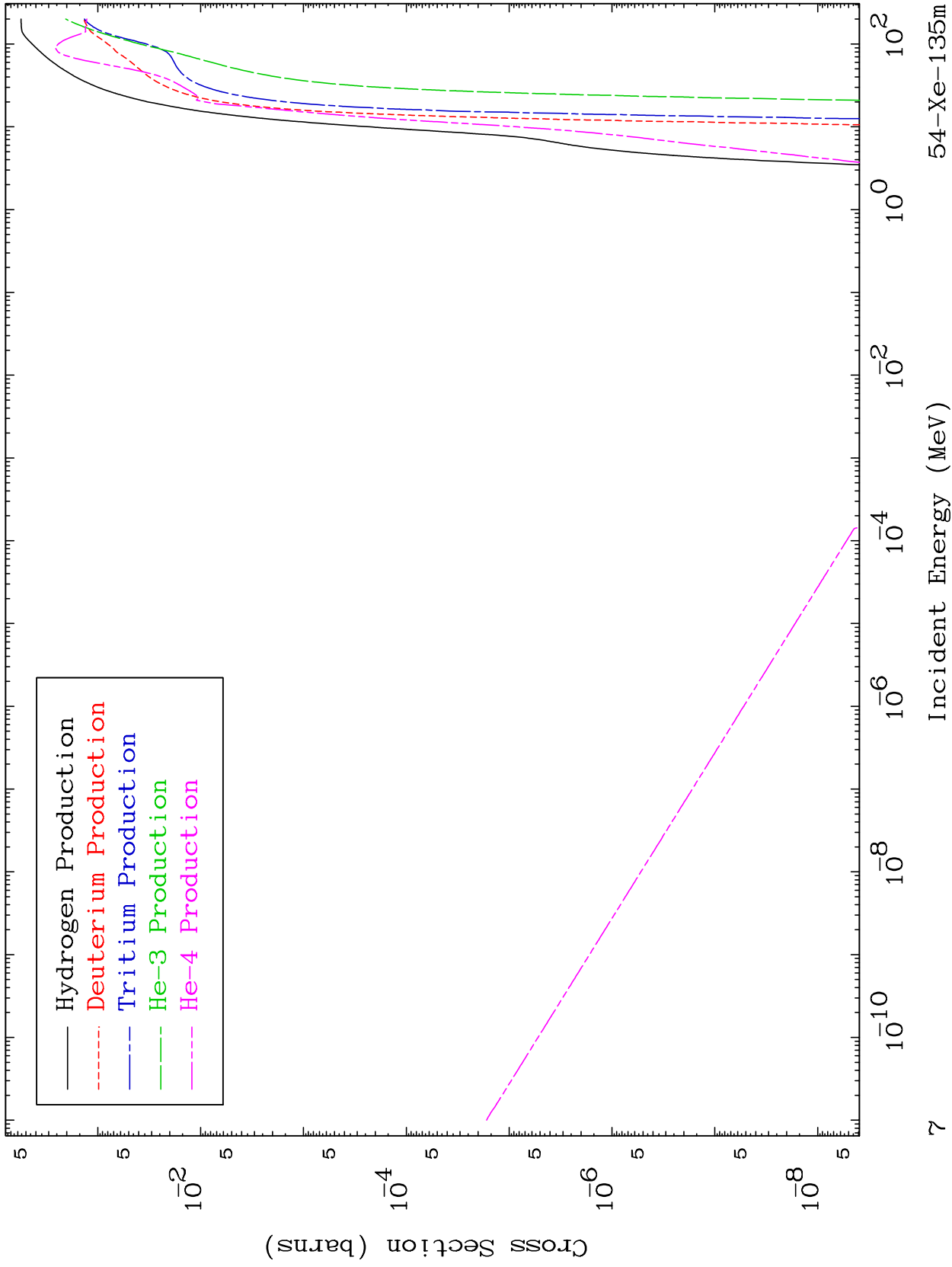
54-Xe-135m



MAT 5459

Particle Production
293 Kelvin Cross Sections

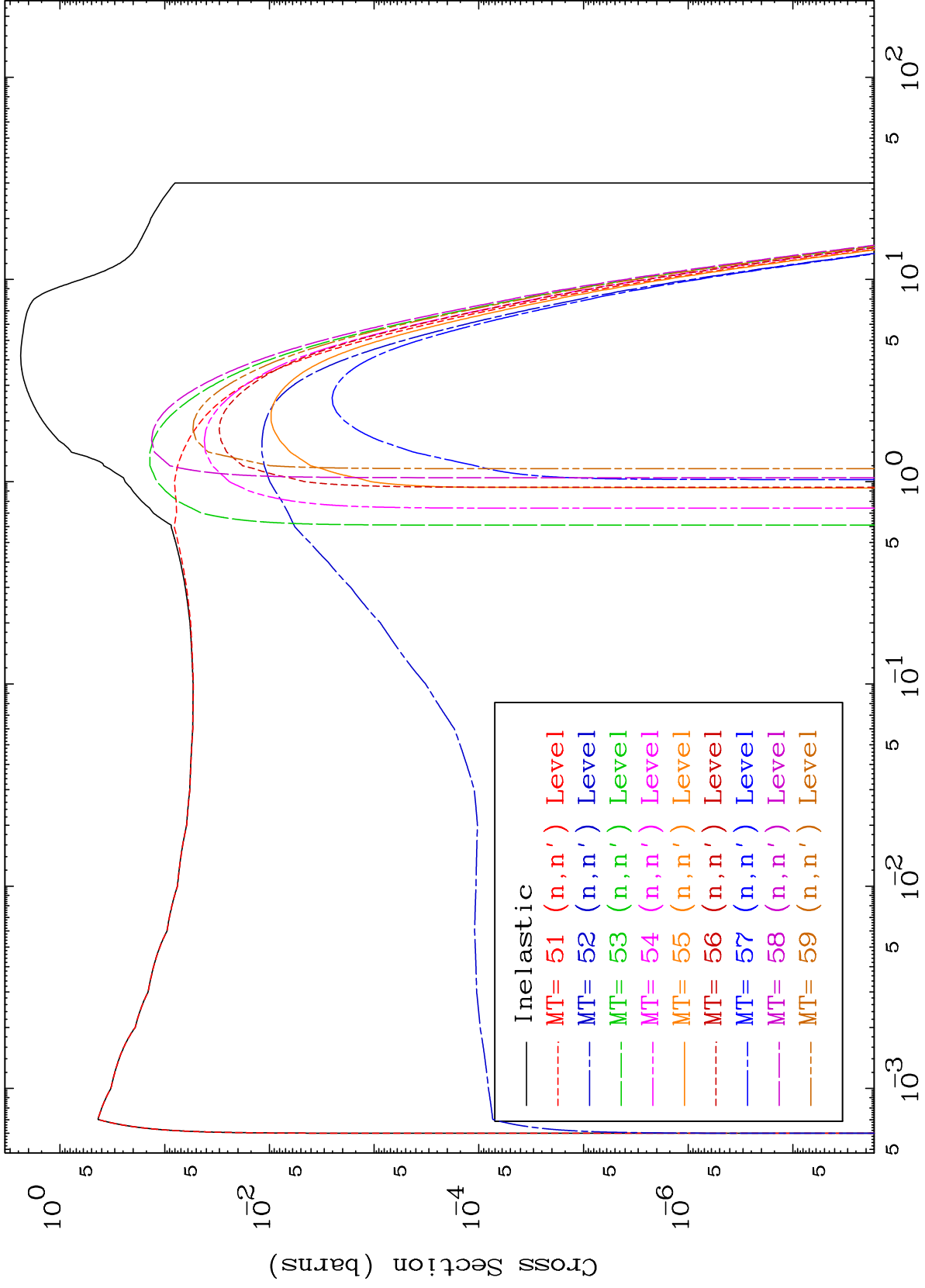
54-Xe-135m



MAT 5459

293 Kelvin Cross Sections
(n,n') Levels

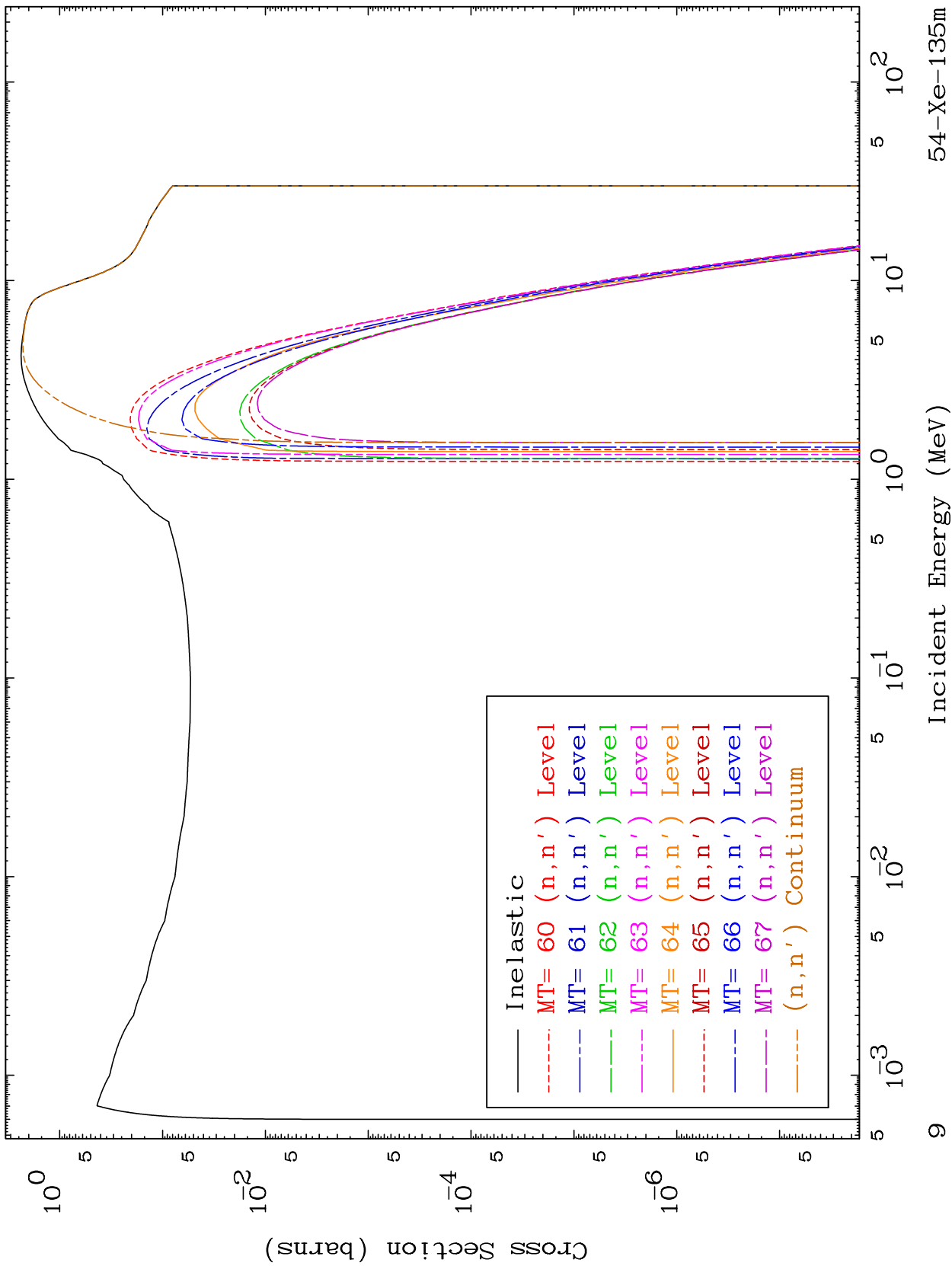
54-Xe-135m



MAT 5459

(n,n') Levels
293 Kelvin Cross Sections

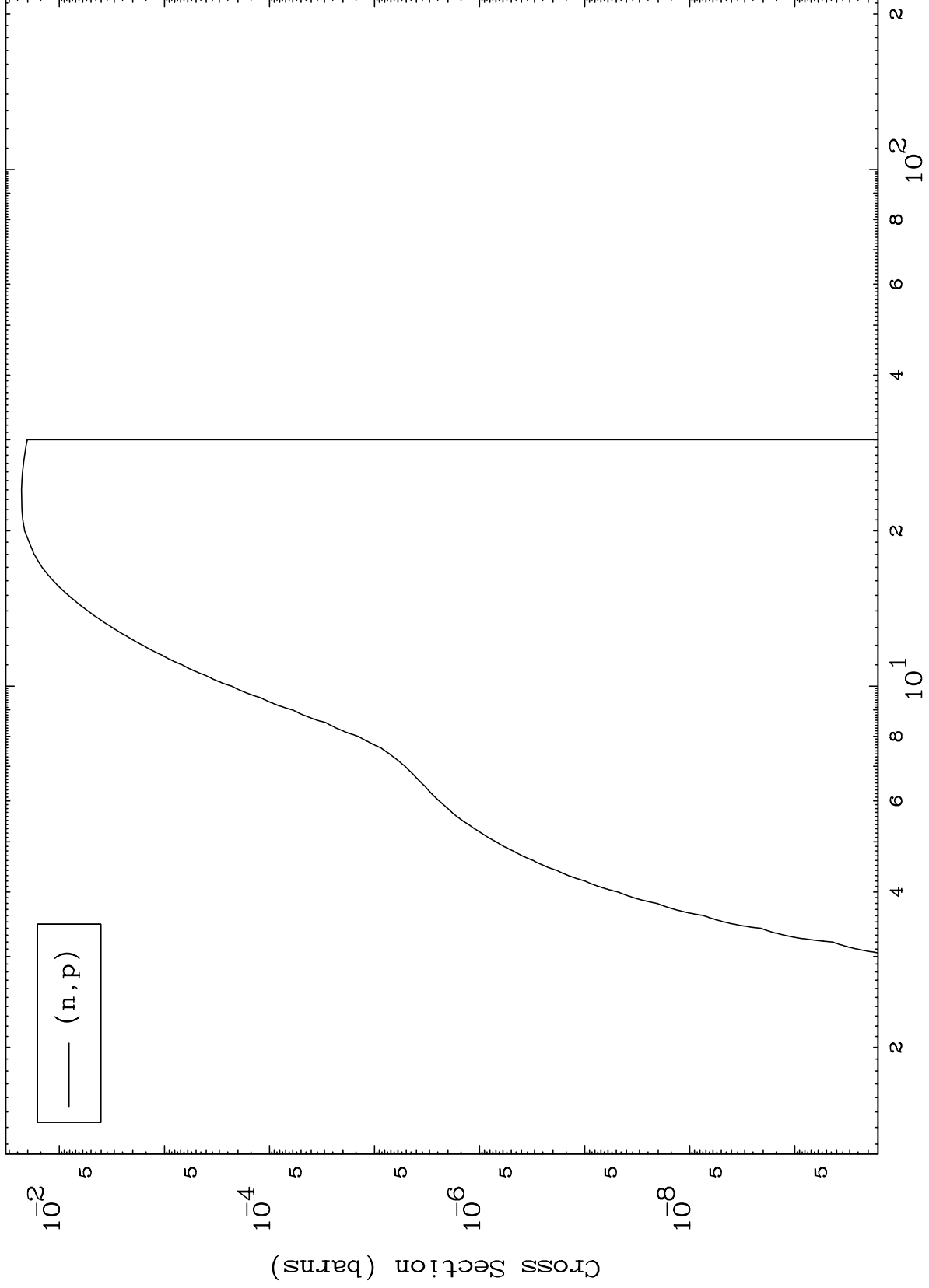
54-Xe-135m



MAT 5459

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-135m



10

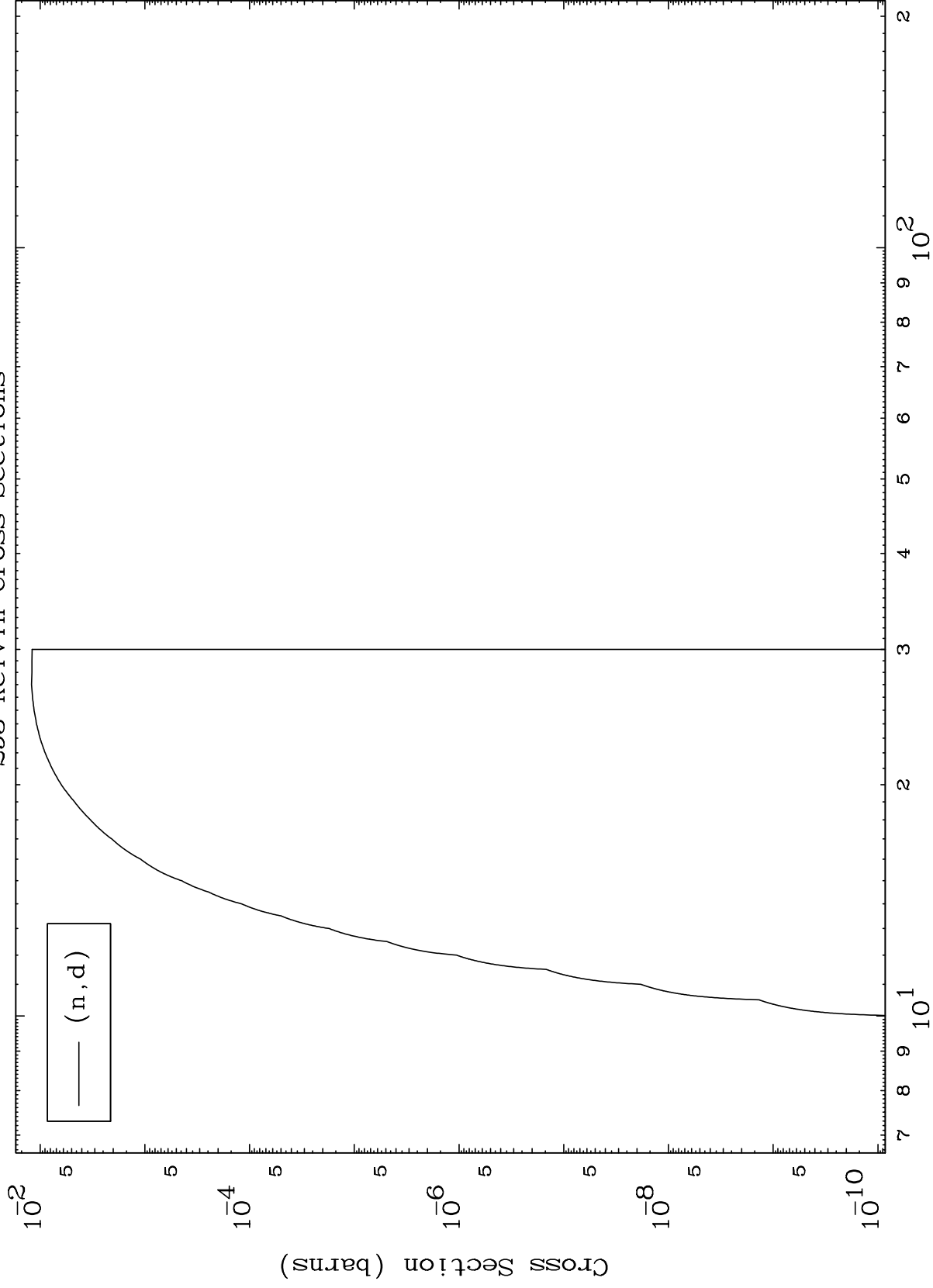
Incident Energy (MeV)

54-Xe-135m

MAT 5459

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-135m



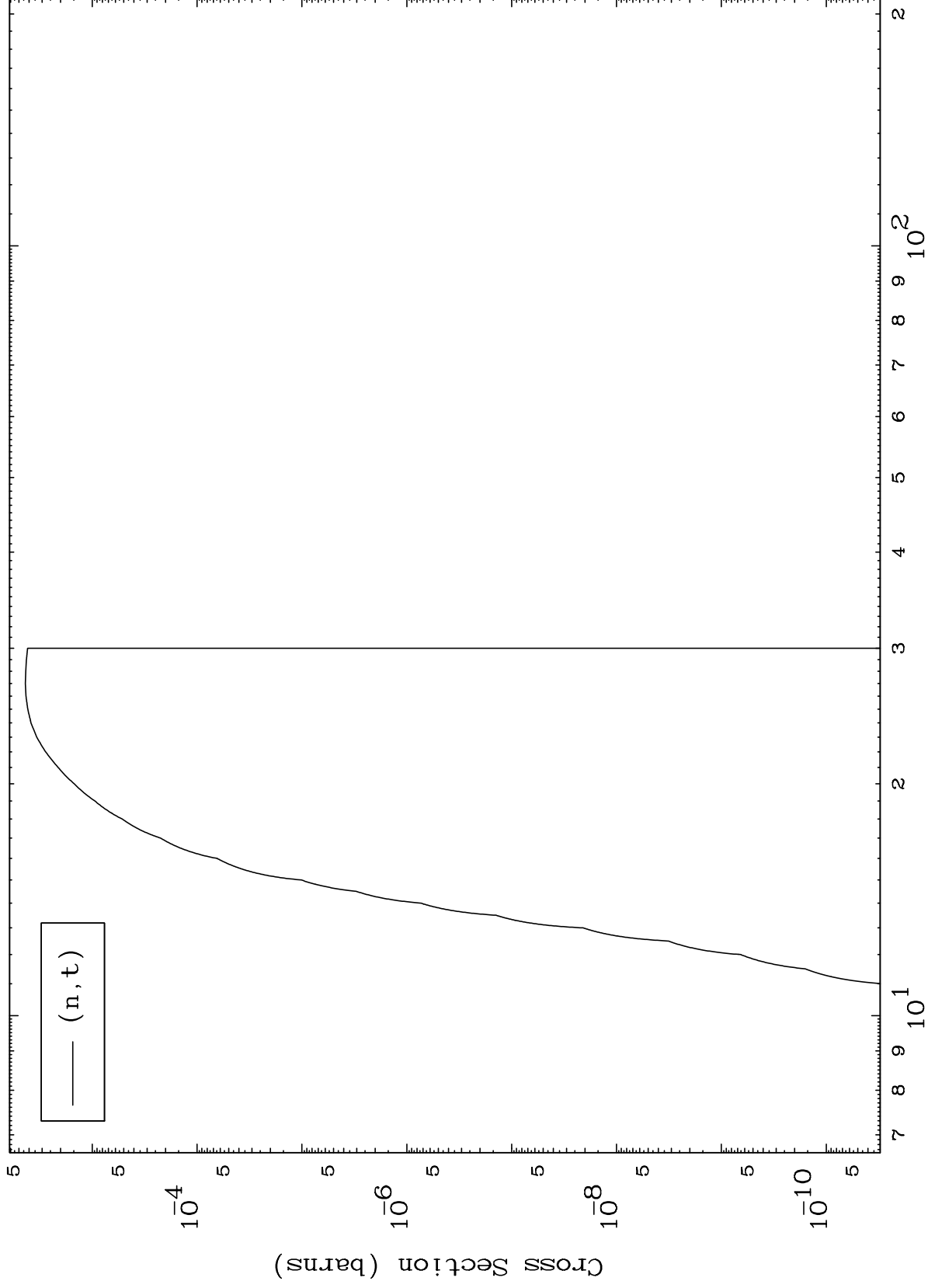
11

54-Xe-135m

MAT 5459

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-135m



12

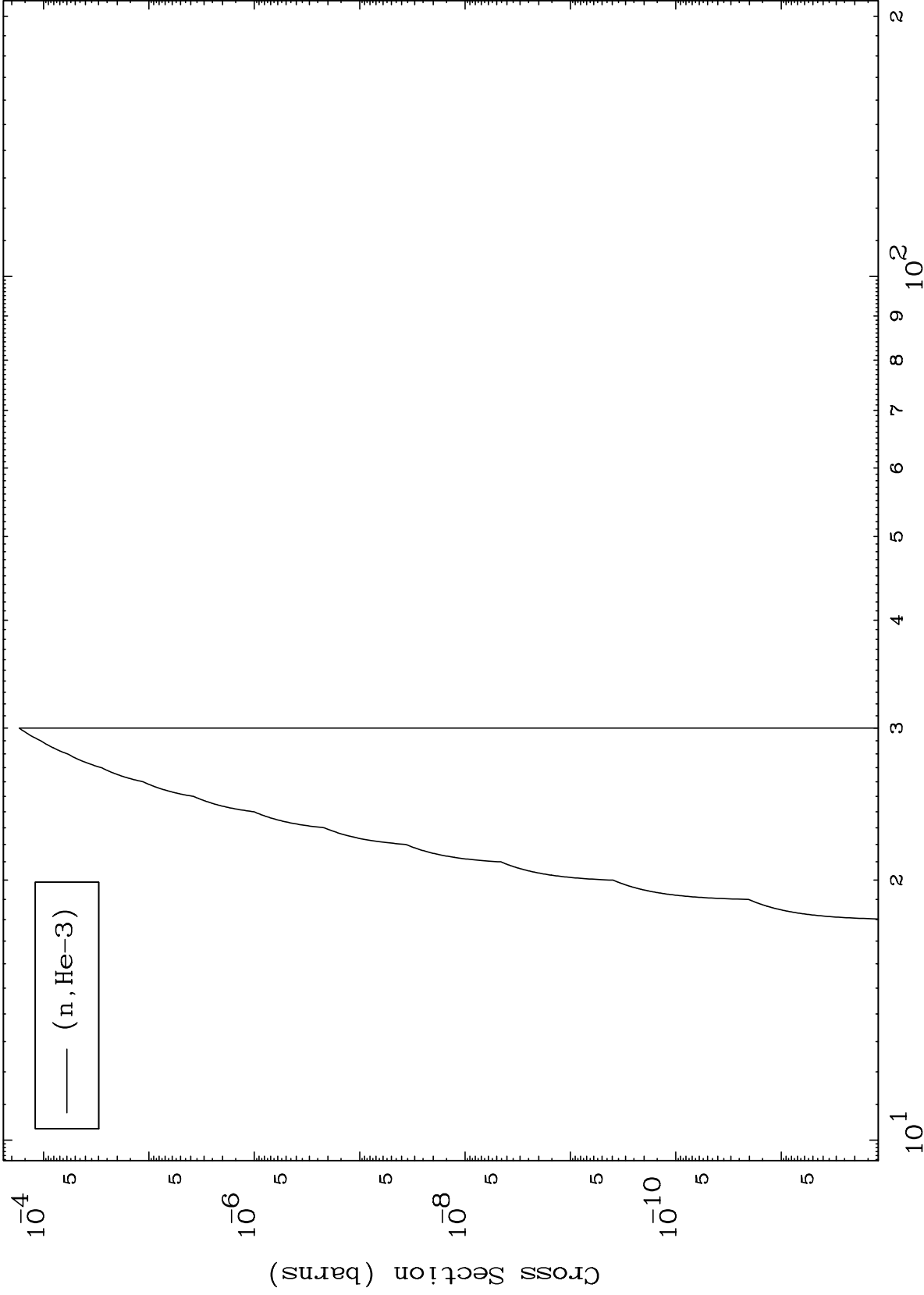
Incident Energy (MeV)

54-Xe-135m

MAT 5459

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-135m



13

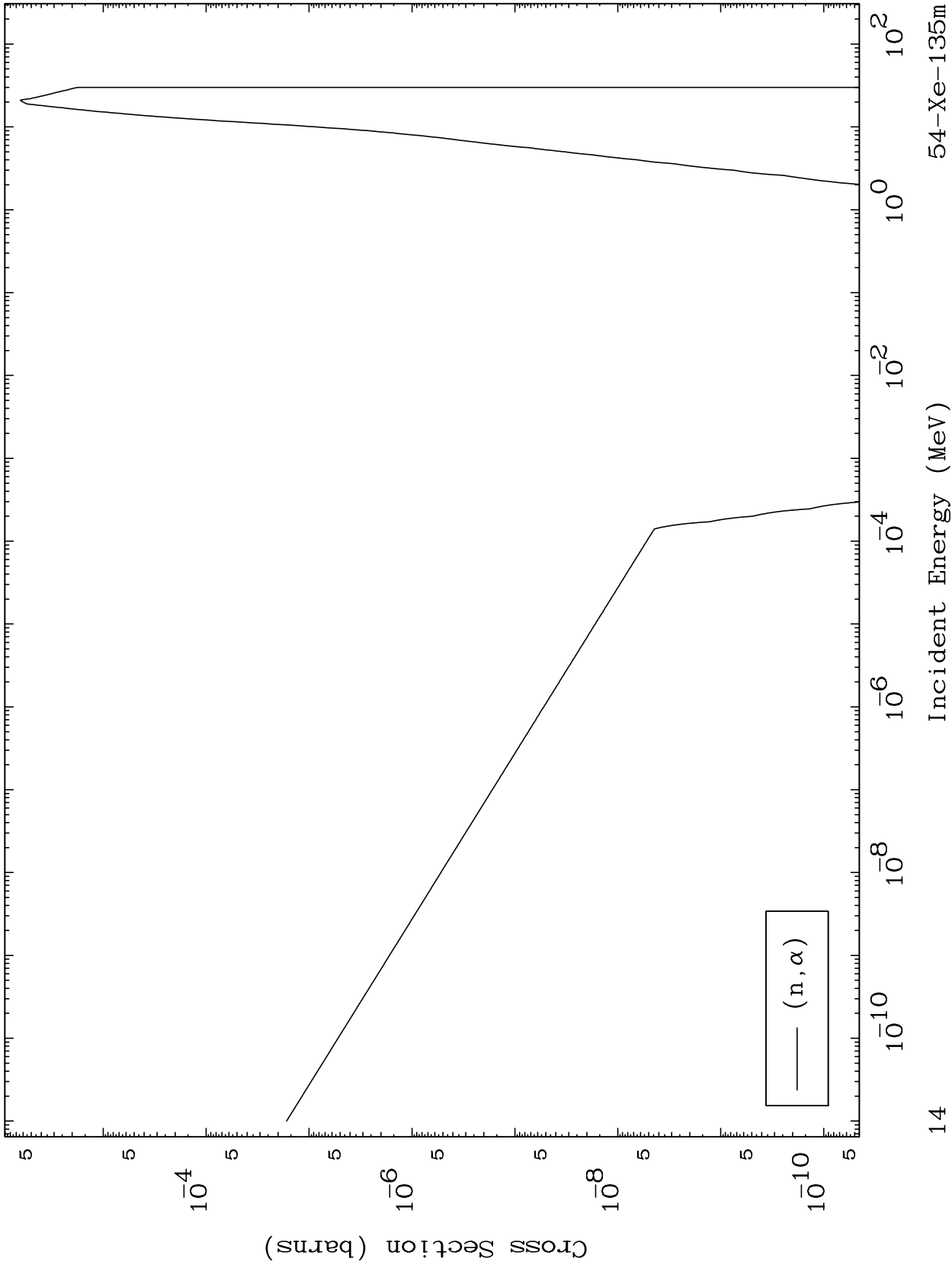
Incident Energy (MeV)

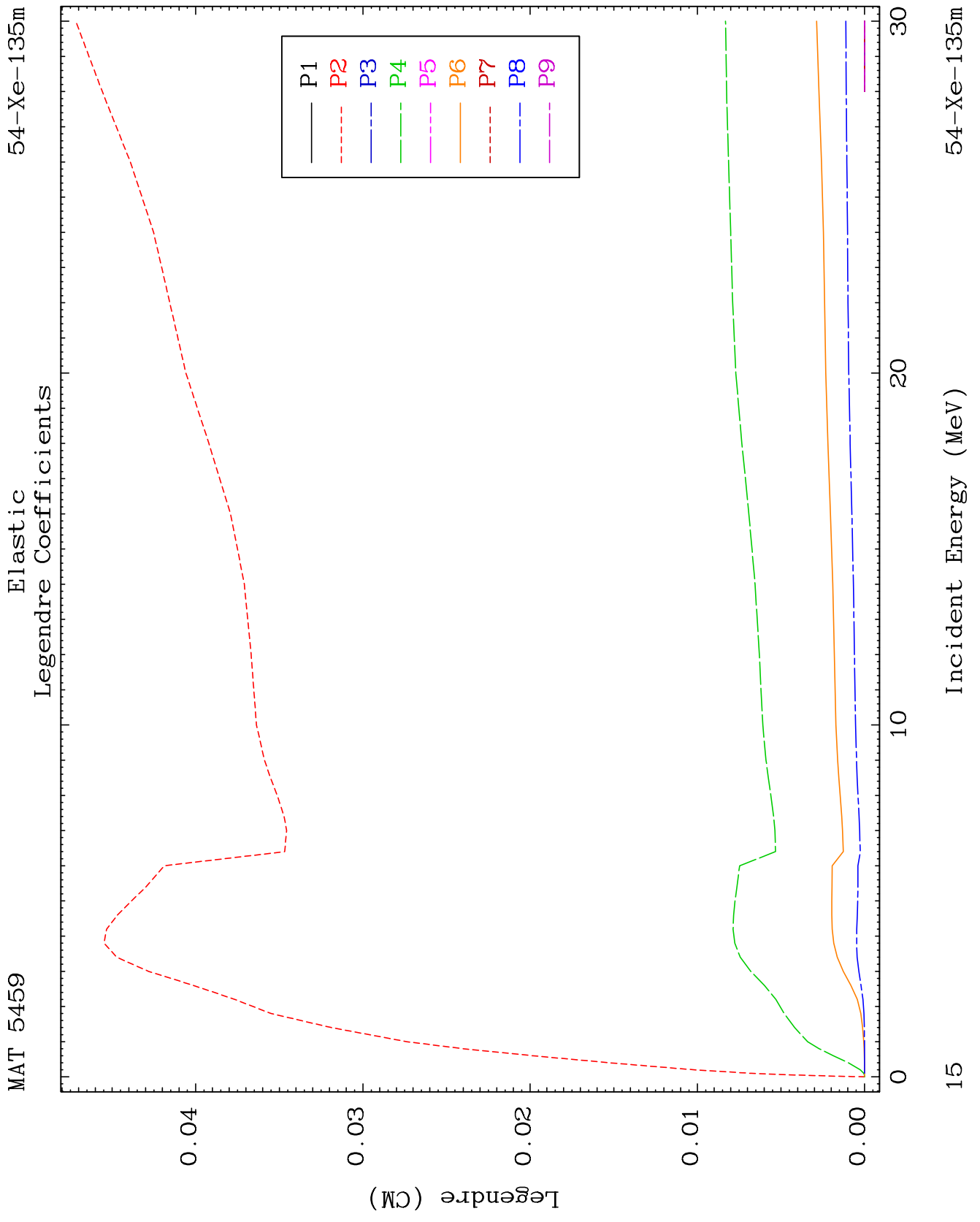
54-Xe-135m

MAT 5459

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-135m

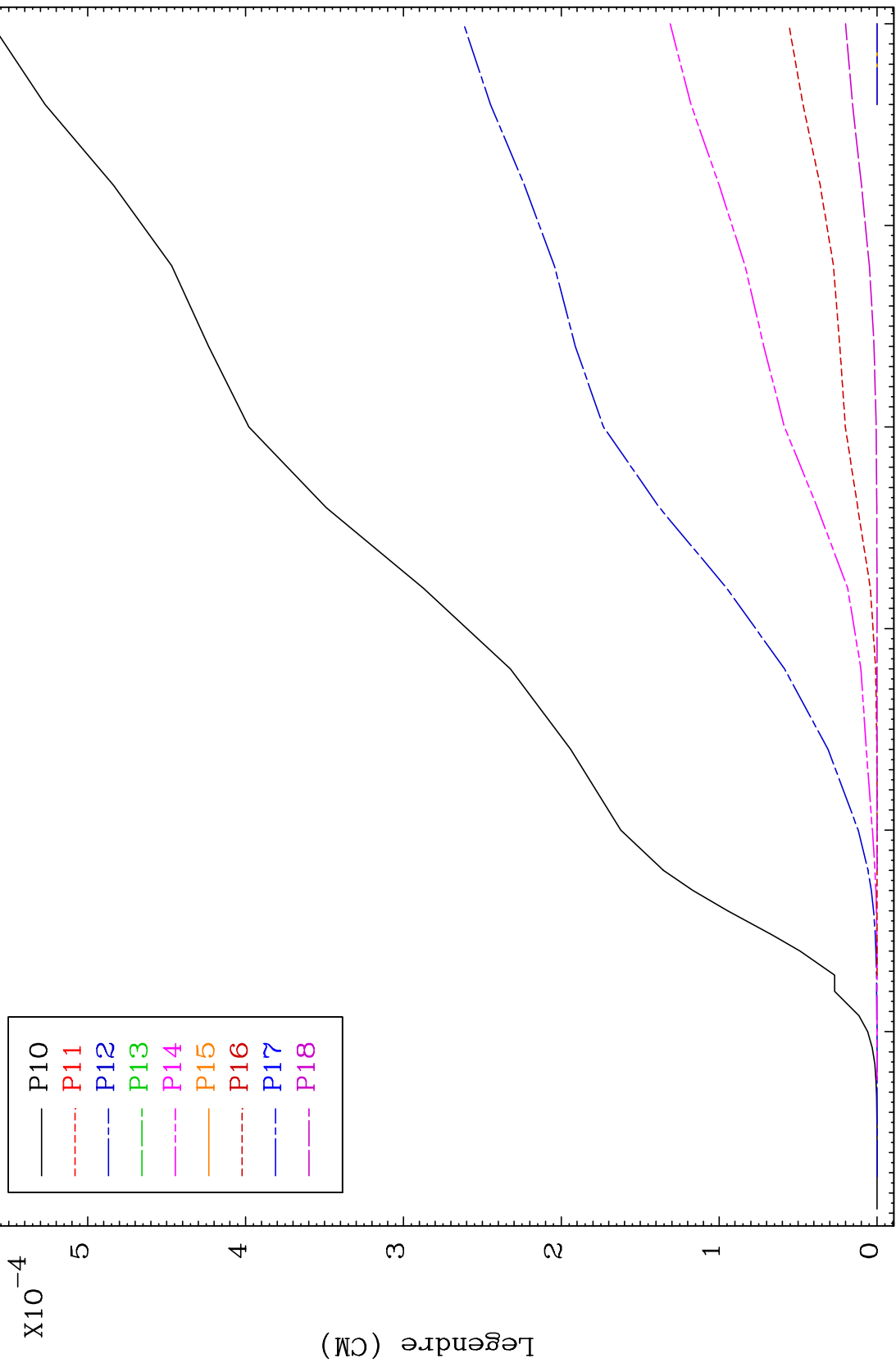
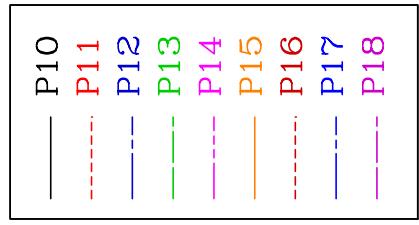




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Elastic Legendre Coefficients

54-Xe-135m



16

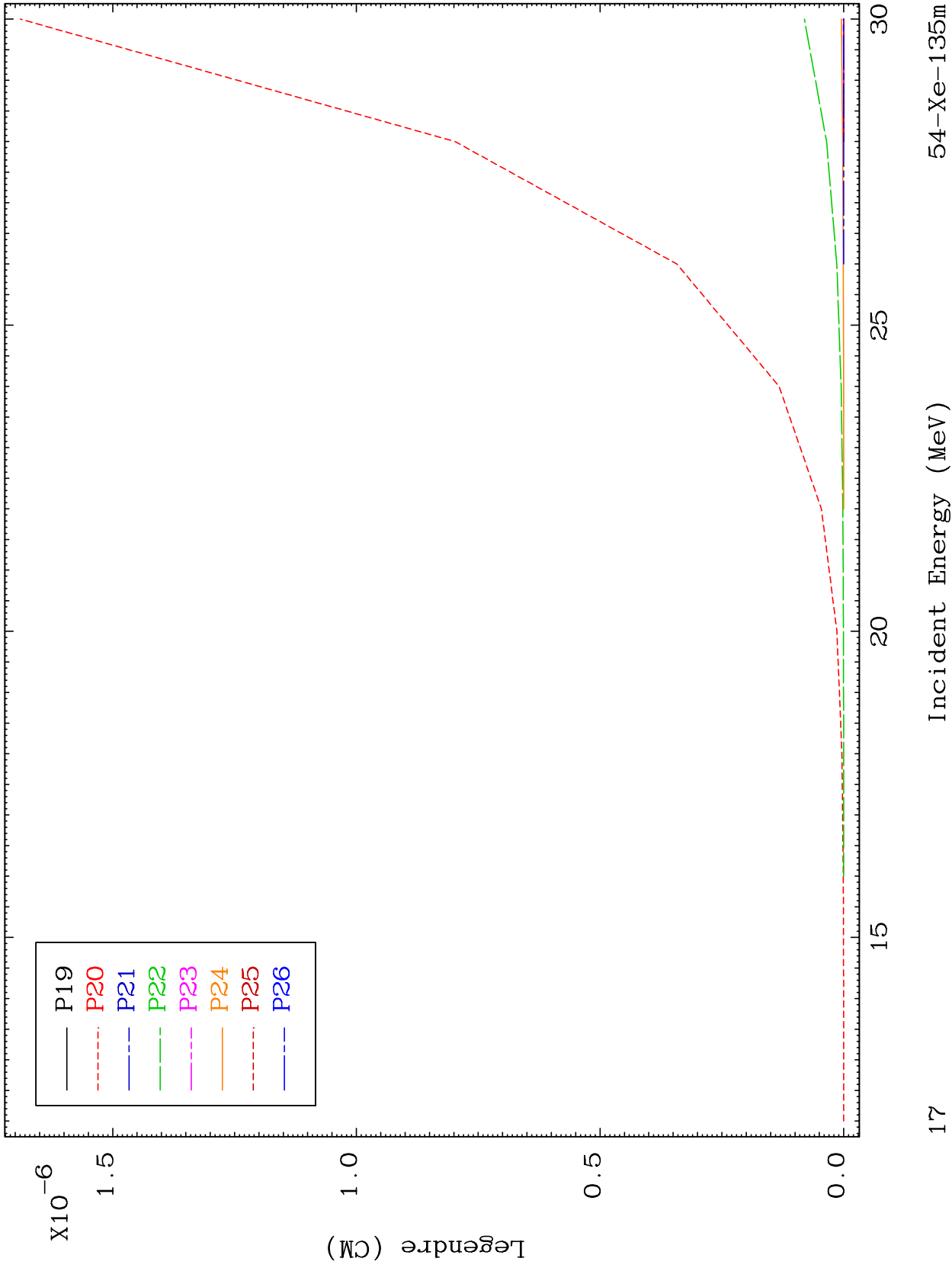
Incident Energy (MeV)

54-Xe-135m

MAT 5459

Elastic Legendre Coefficients

54-Xe-135m



17

Incident Energy (MeV)

54-Xe-135m

15

20

25

30

$\times 10^{-6}$

1.5

1.0

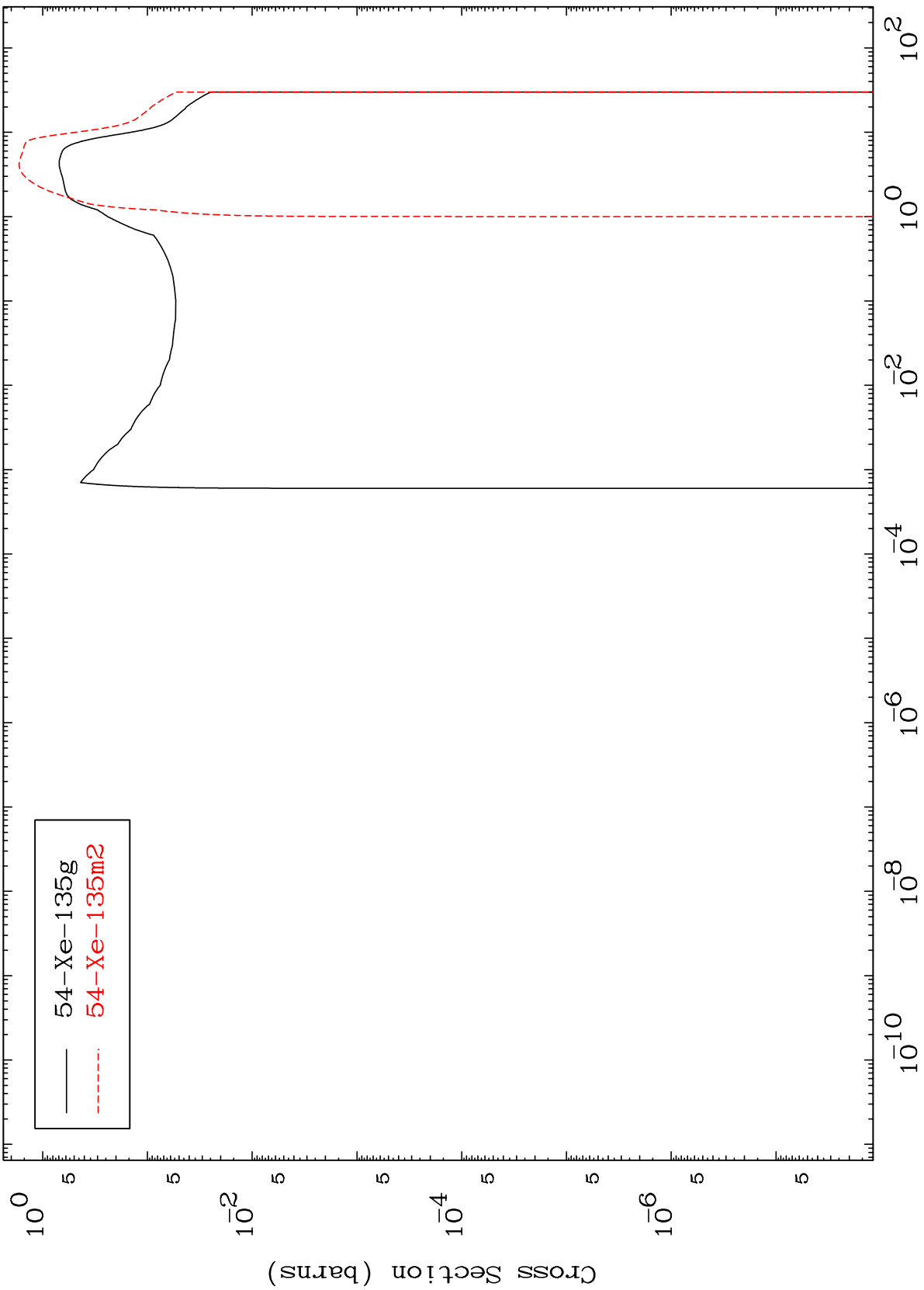
0.5

0.0

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54-Xe-135m

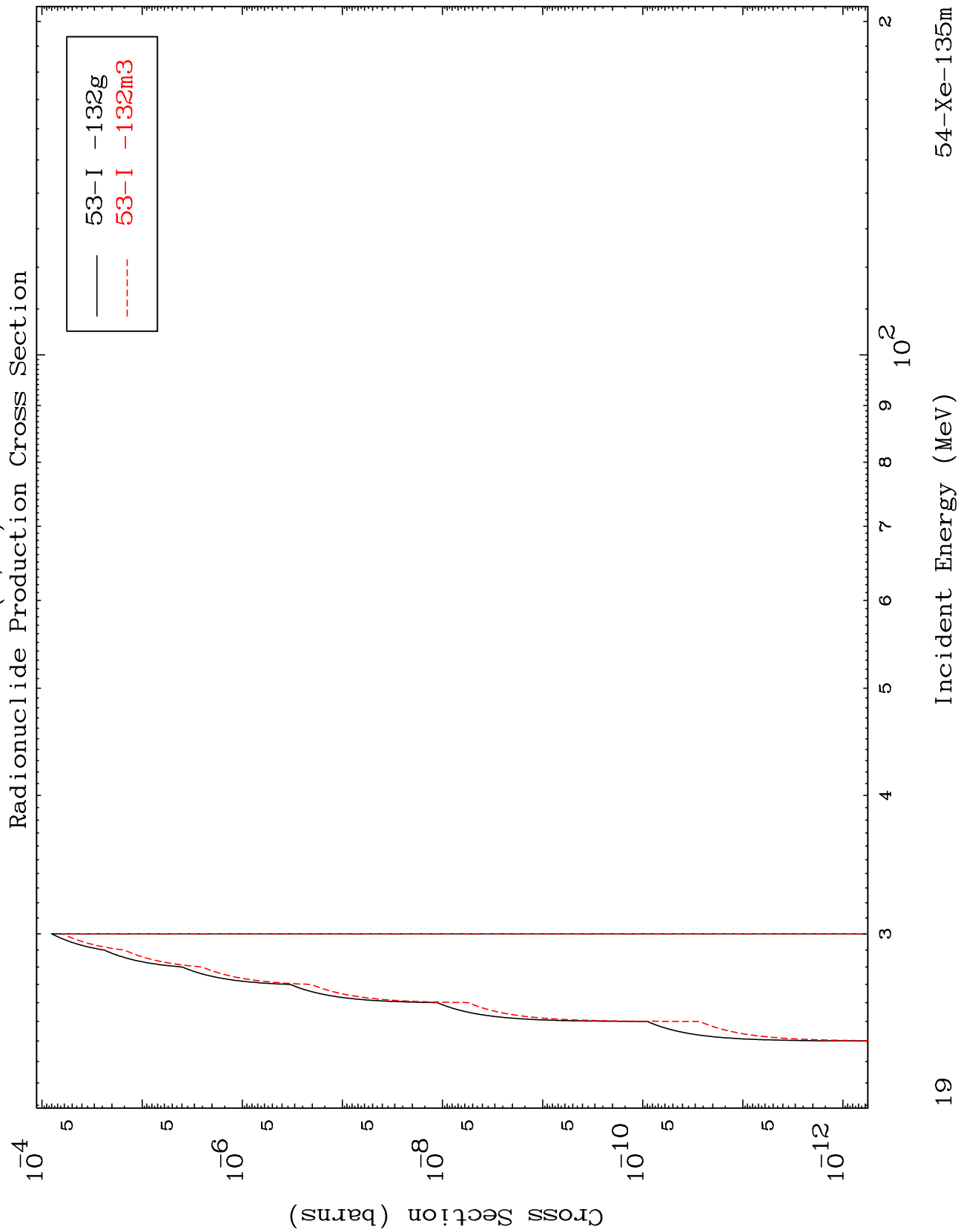
Inelastic
Radionuclide Production Cross Section



MAT 5459

(n,2n) d

54-Xe-135m



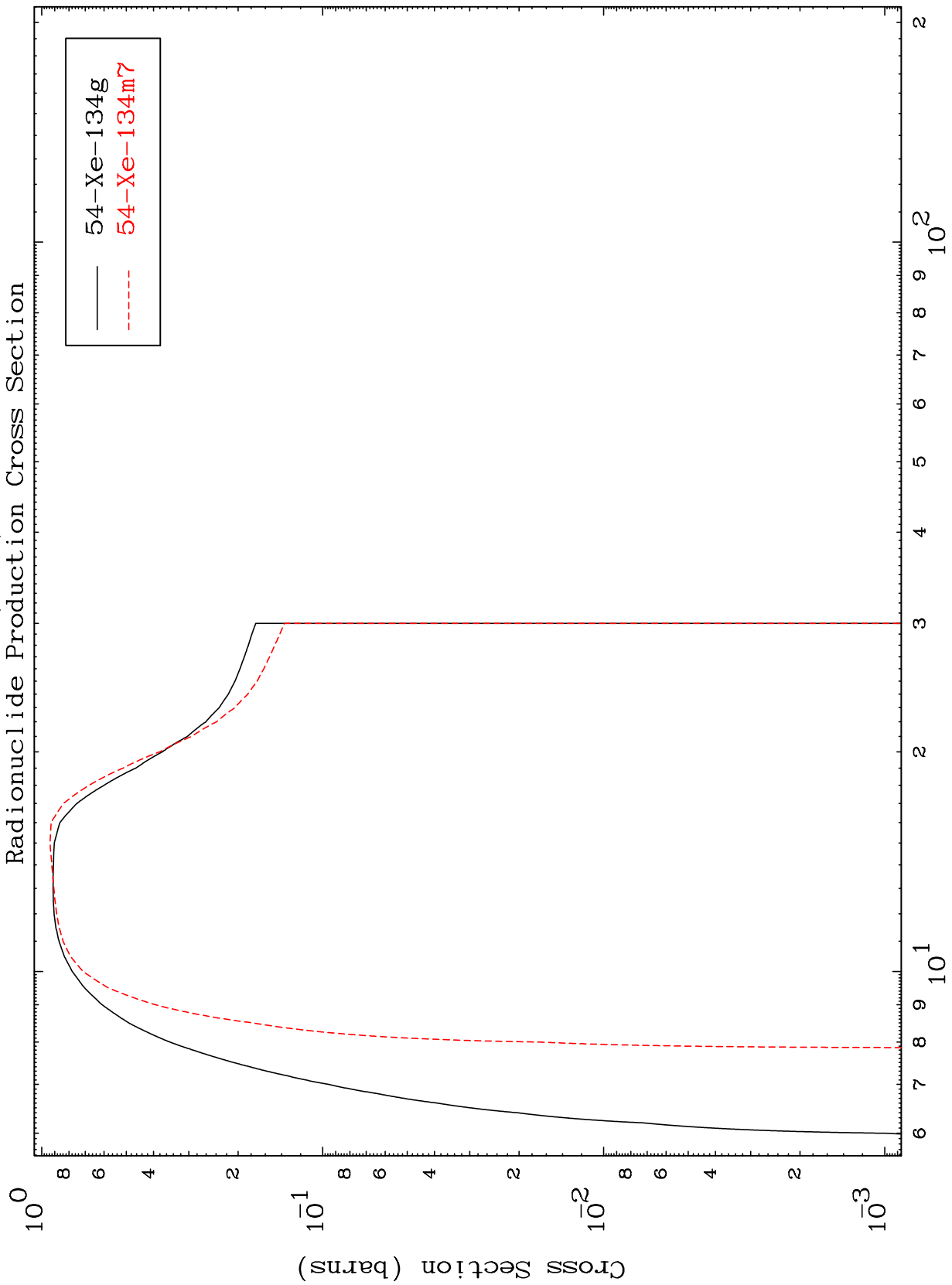
19

54-Xe-135m

MAT 5459

54-Xe-135m

(n,2n)
Radionuclide Production Cross Section



Incident Energy (MeV)

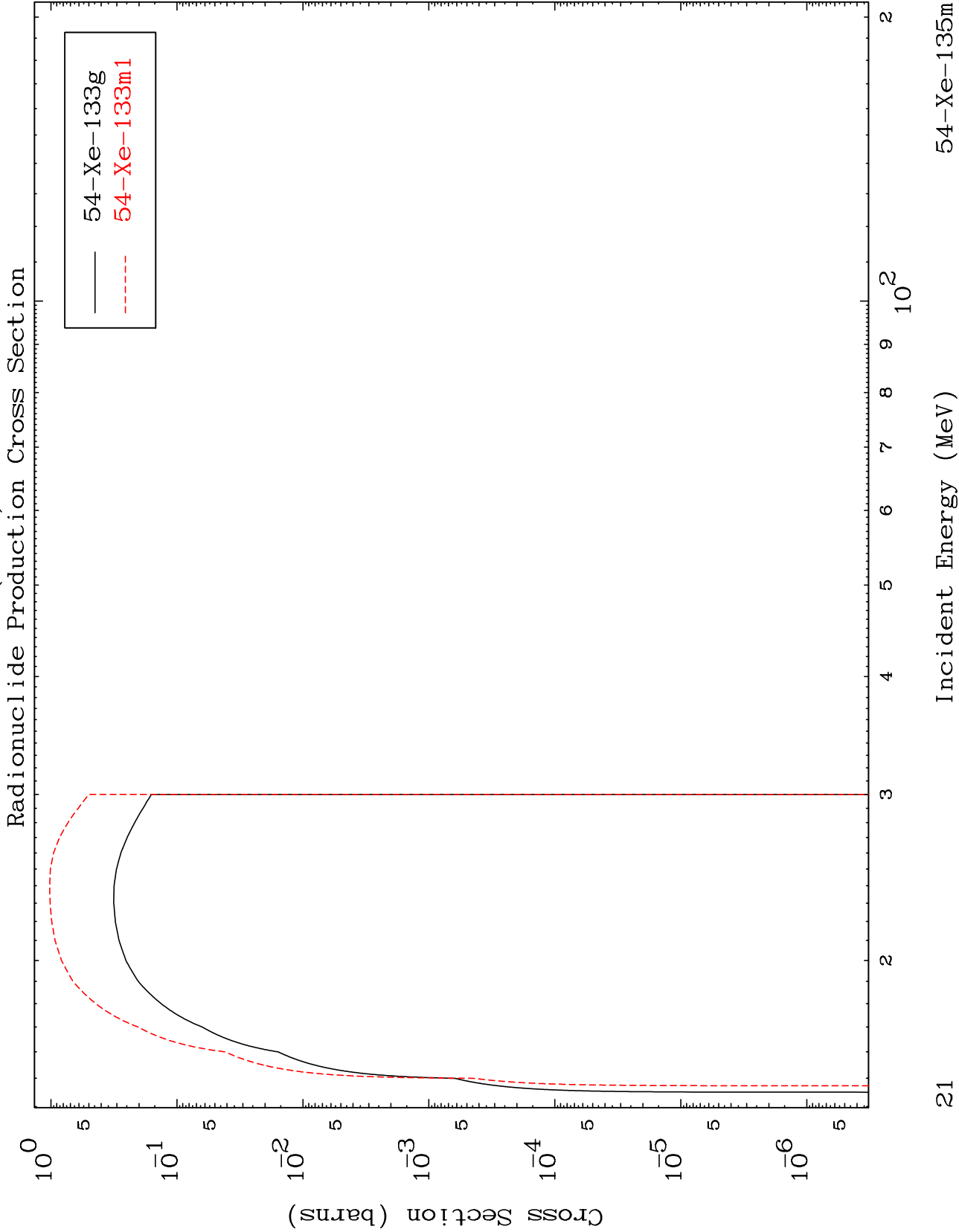
54-Xe-135m

20

MAT 5459

(n,3n)

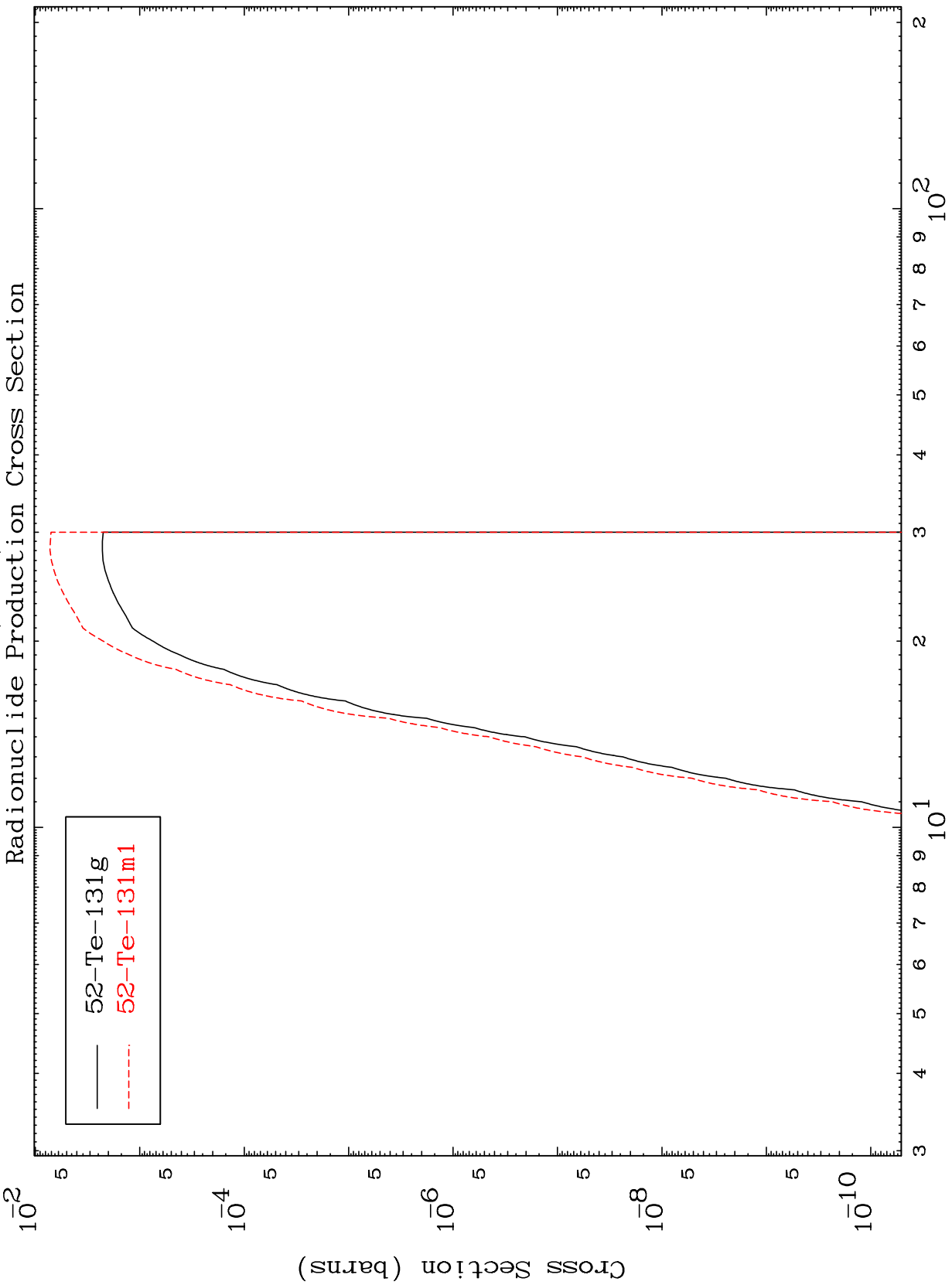
54-Xe-135m



MAT 5459

(n,n') α

54-Xe-135m

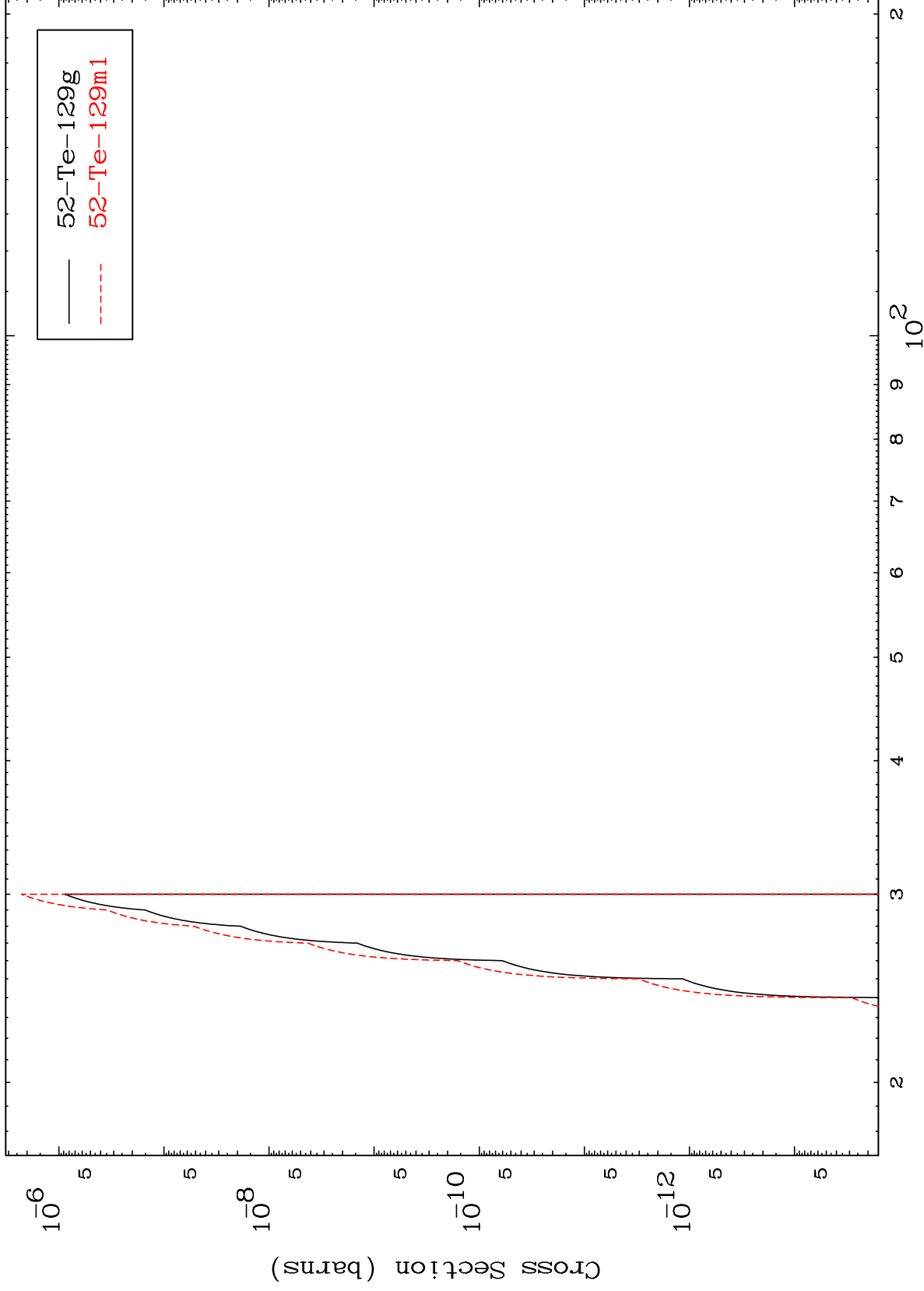


MAT 5459

(n,3n) α

54-Xe-135m

Radionuclide Production Cross Section

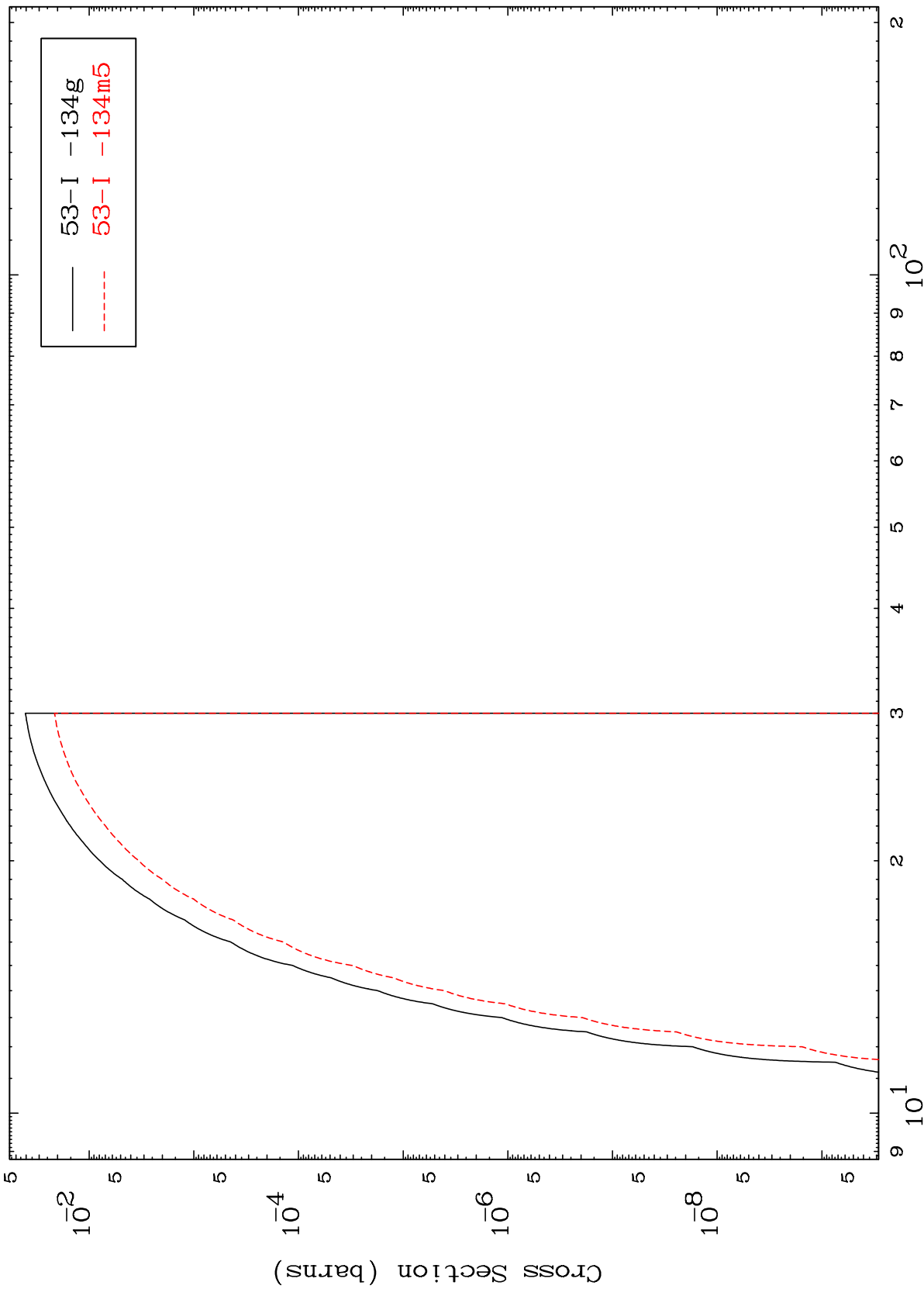


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(n,n') p

54-Xe-135m

Radionuclide Production Cross Section



Incident Energy (MeV)

54-Xe-135m

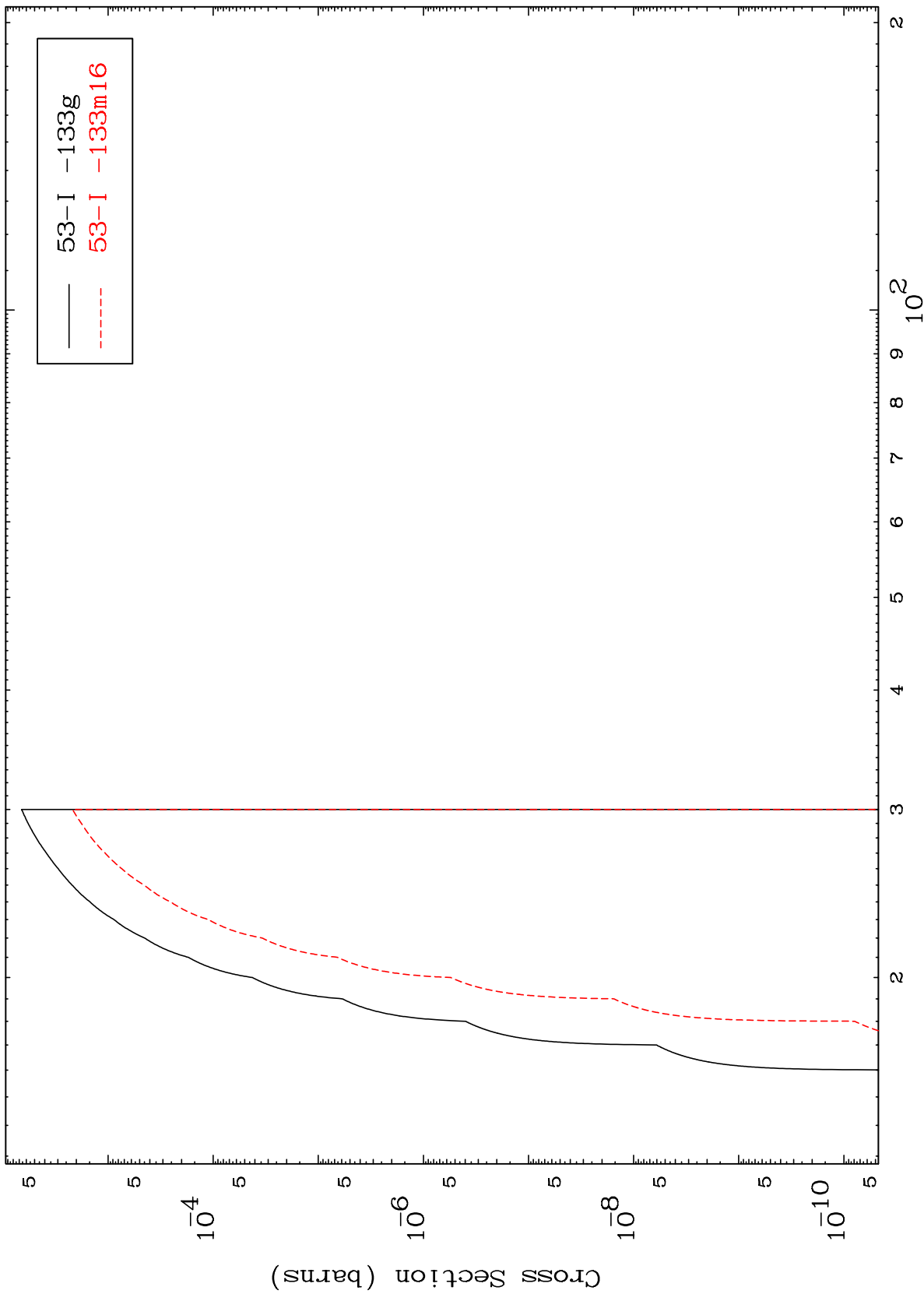
24

MAT 5459

(n,n') d

54-Xe-135m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

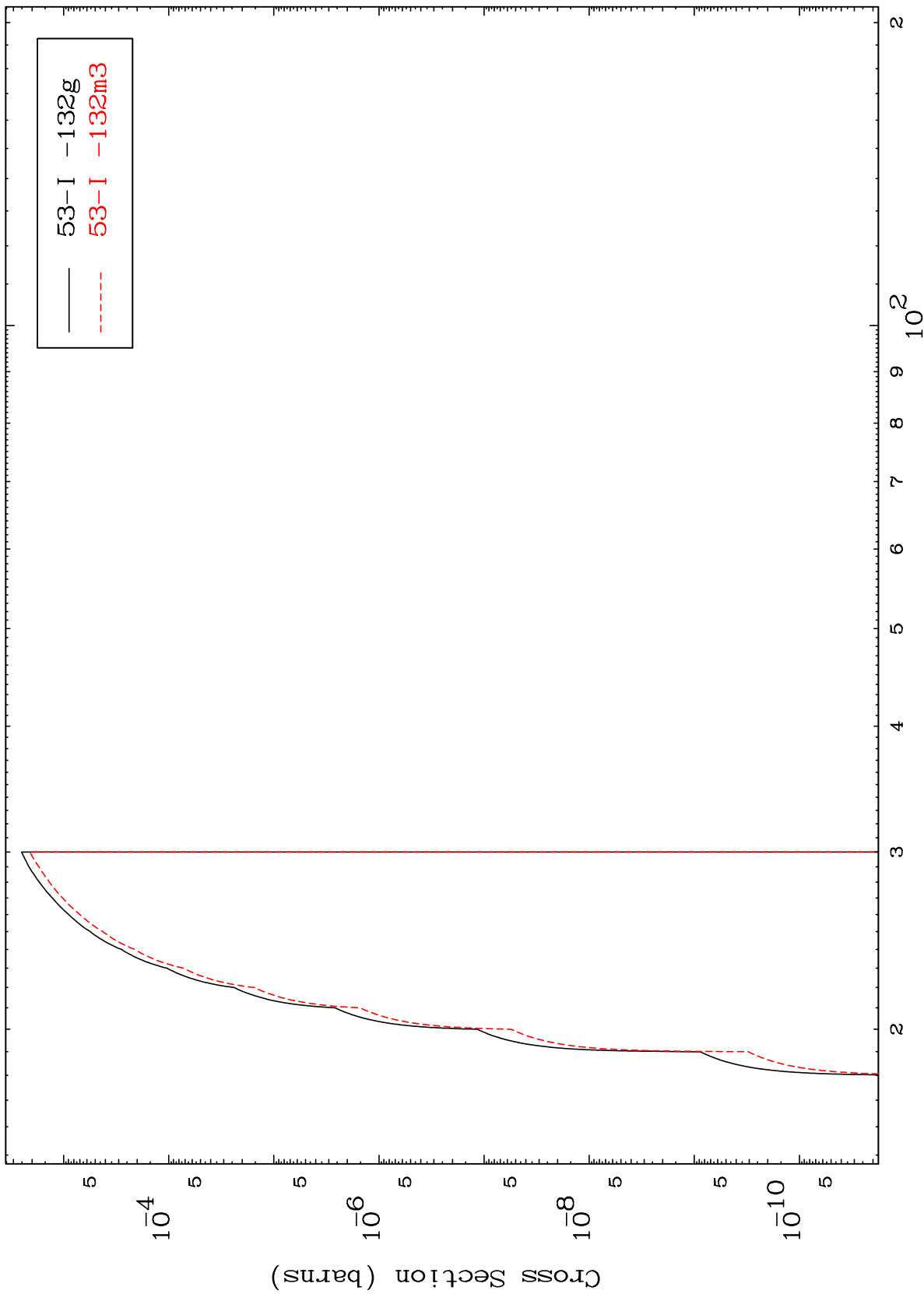
54-Xe-135m

MAT 5459

(n,n') t

54-Xe-135m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

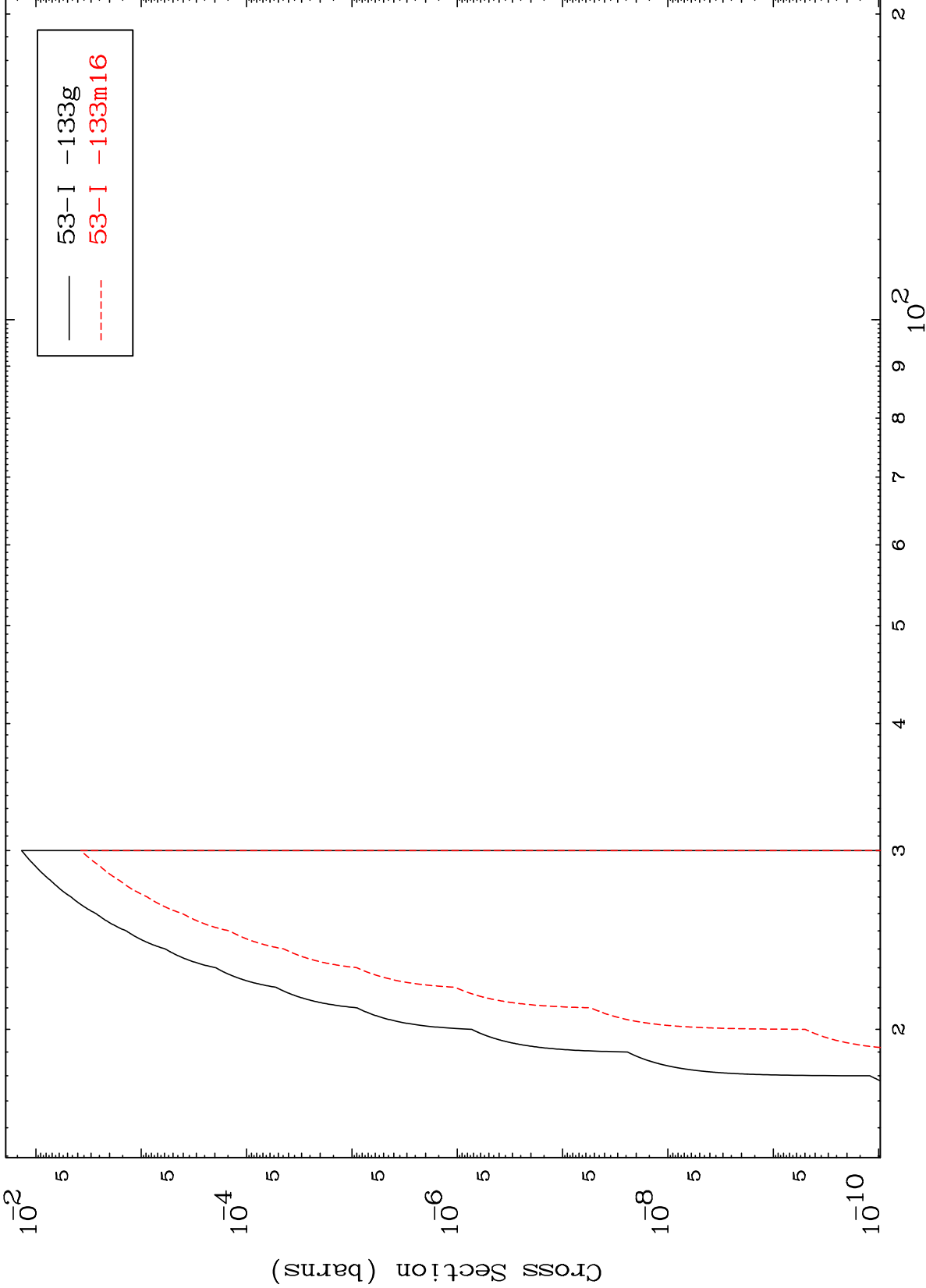
54-Xe-135m

MAT 5459

(n,2n) p

54-Xe-135m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

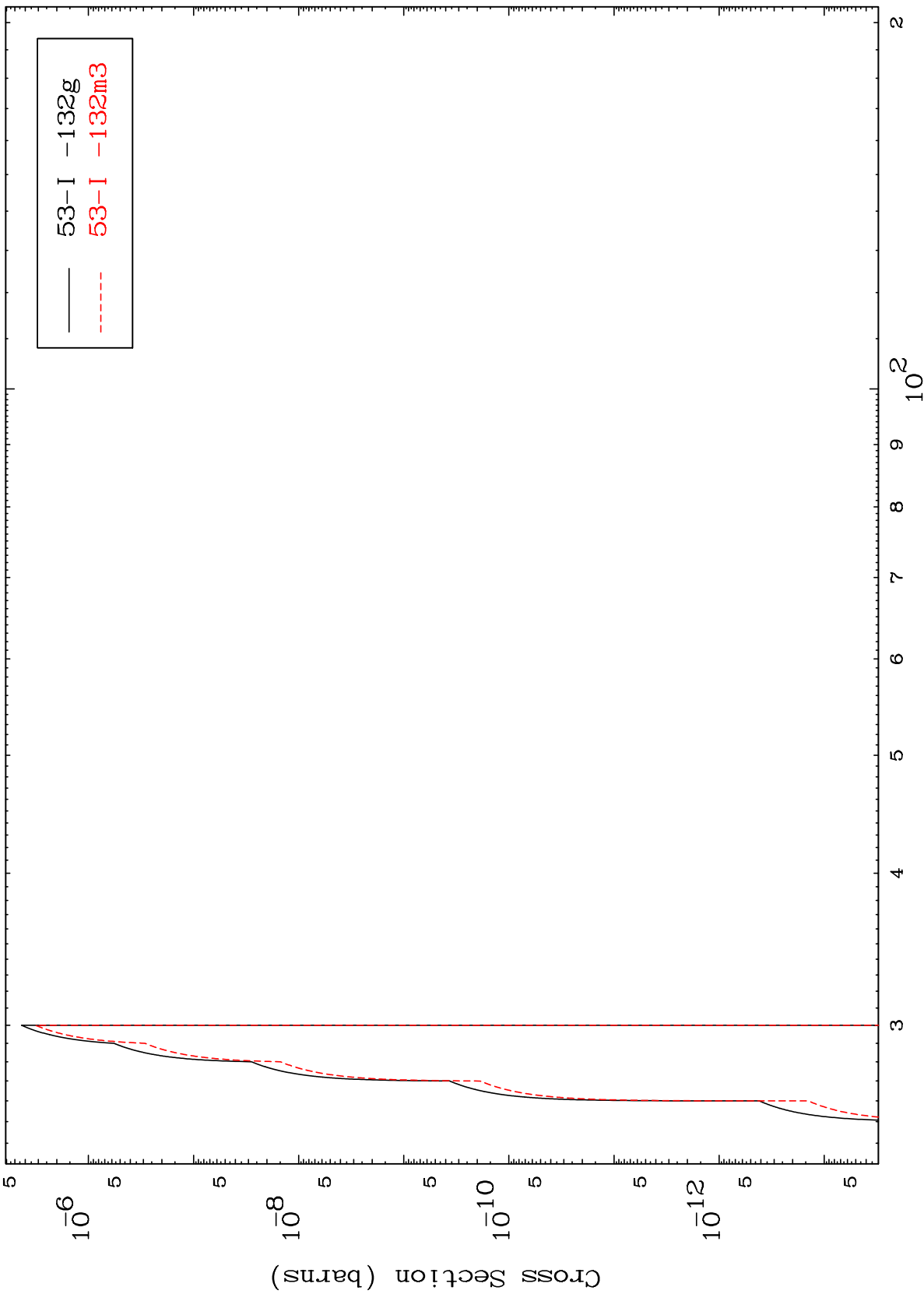
54-Xe-135m

MAT 5459

(n,3n) p

54-Xe-135m

Radionuclide Production Cross Section



53-I - 132g
53-I - 132m3

28

Incident Energy (MeV)

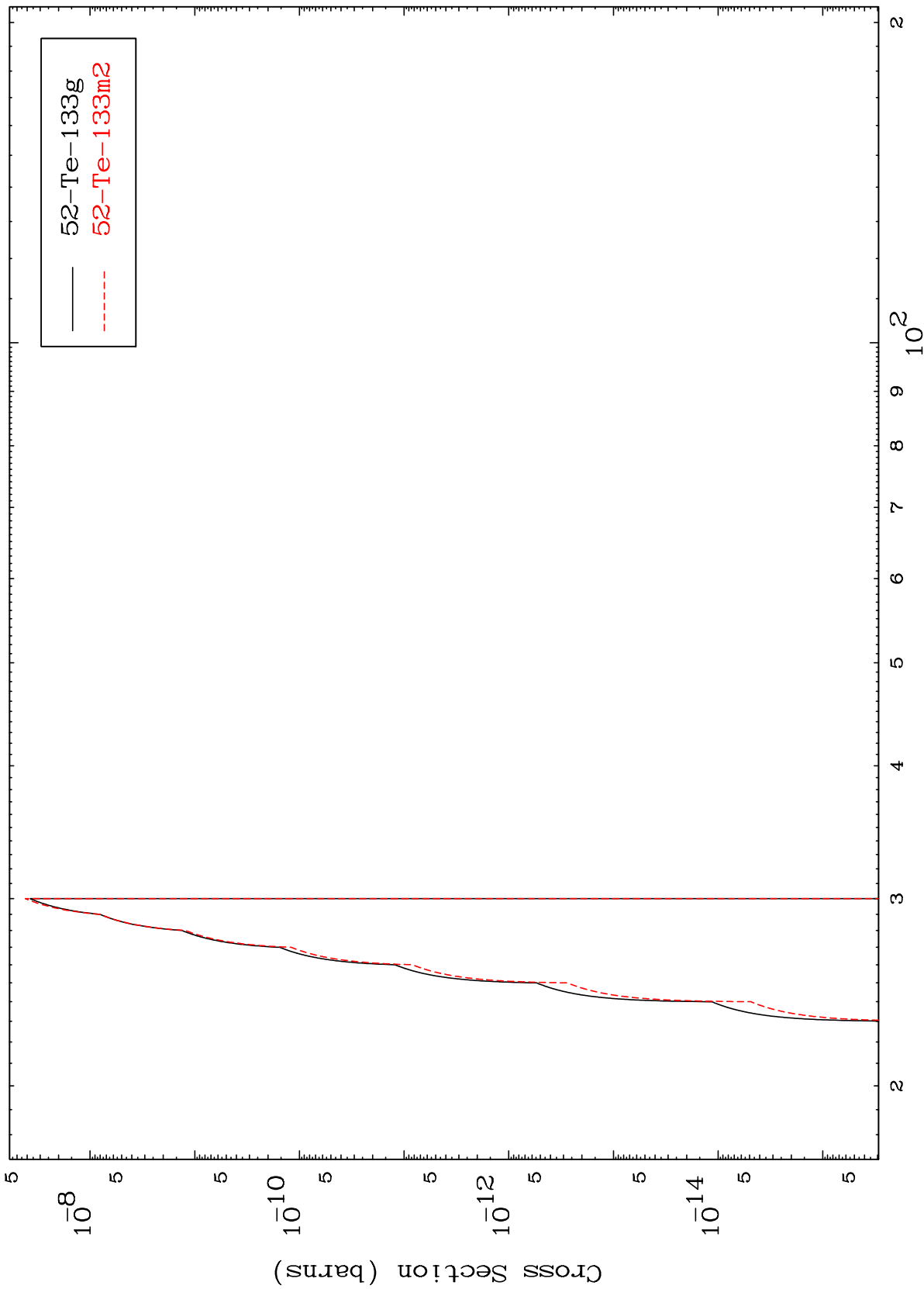
54-Xe-135m

MAT 5459

(n,2n) p

54-Xe-135m

Radionuclide Production Cross Section



29

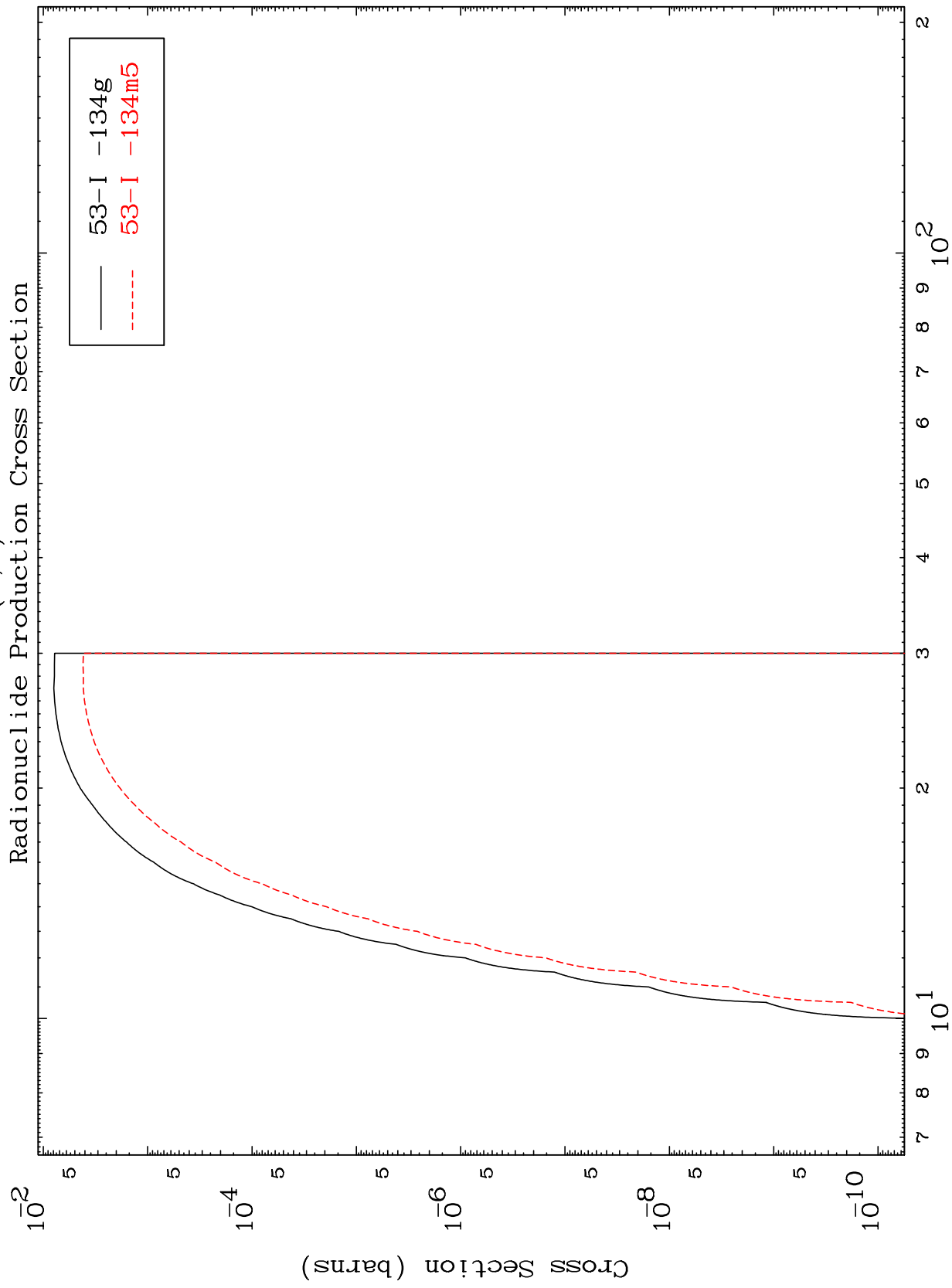
Incident Energy (MeV)

54-Xe-135m

MAT 5459

(n,d)

54-Xe-135m



30

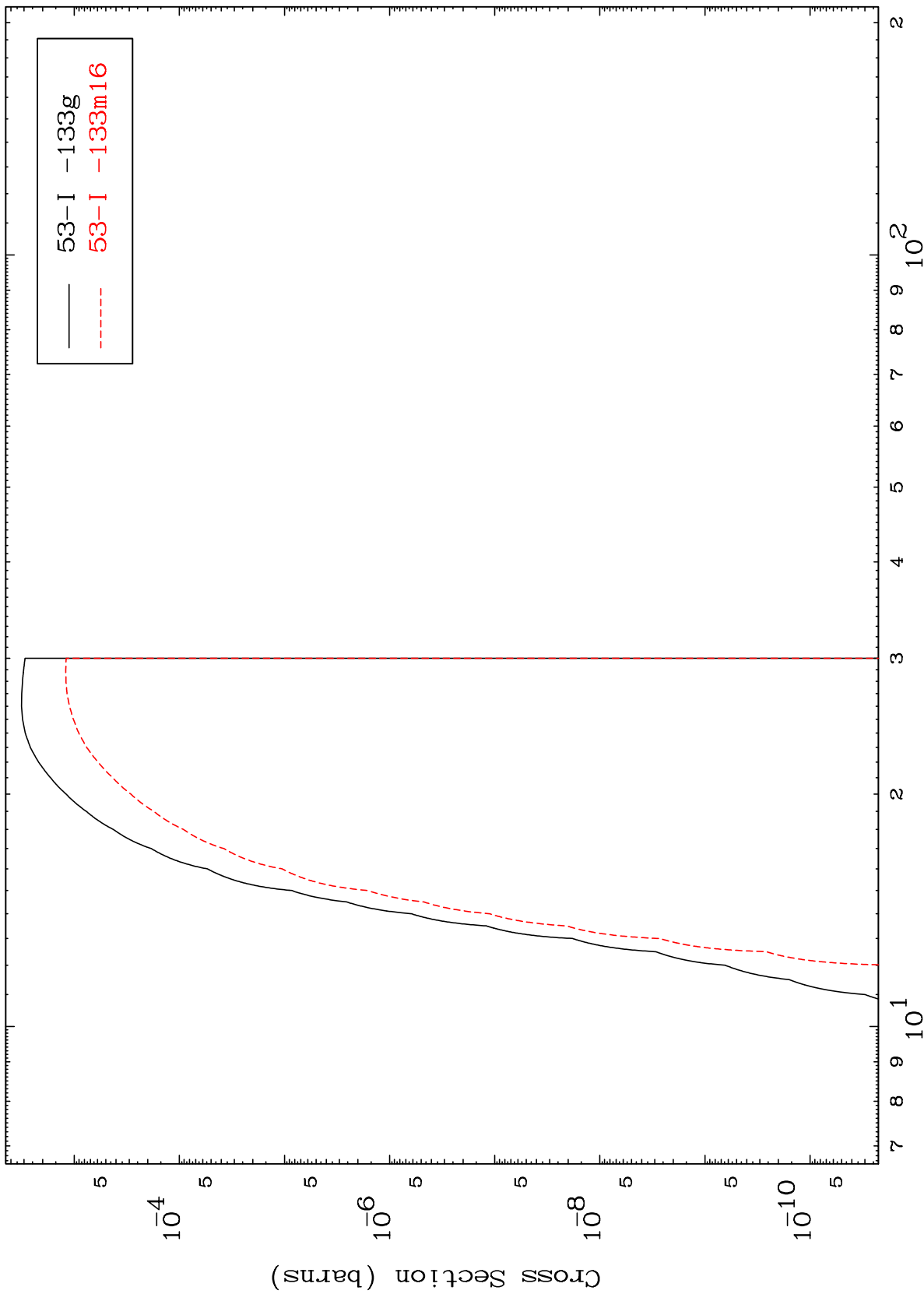
Incident Energy (MeV)

54-Xe-135m

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54-Xe-135m

(n, t)
Radionuclide Production Cross Section



31

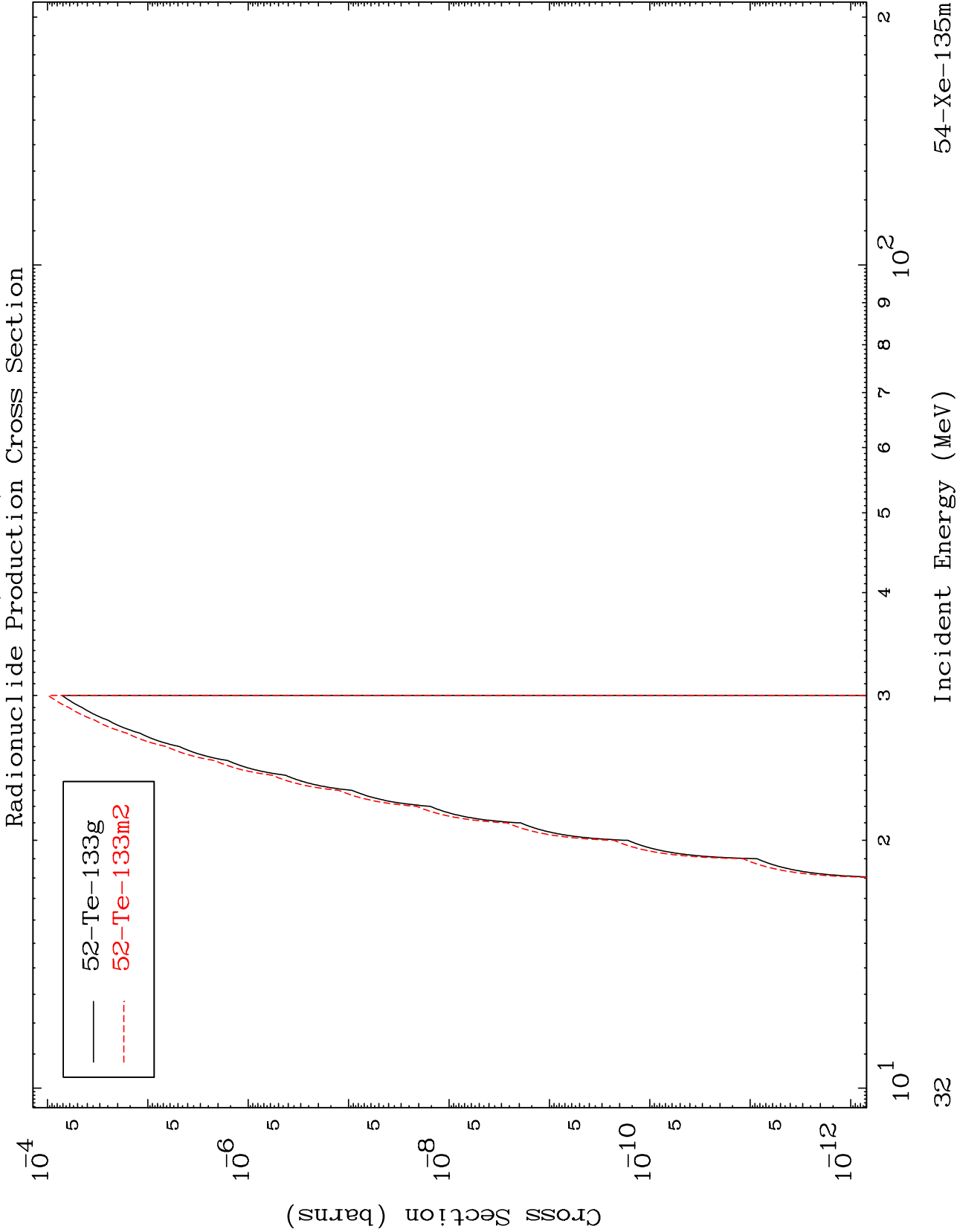
Incident Energy (MeV)

54-Xe-135m

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(n,He-3)

54-Xe-135m



32

Incident Energy (MeV)

54-Xe-135m

Radionuclide Production Cross Section

