

Program EVALPLOT  
(Version 2018-1)

by

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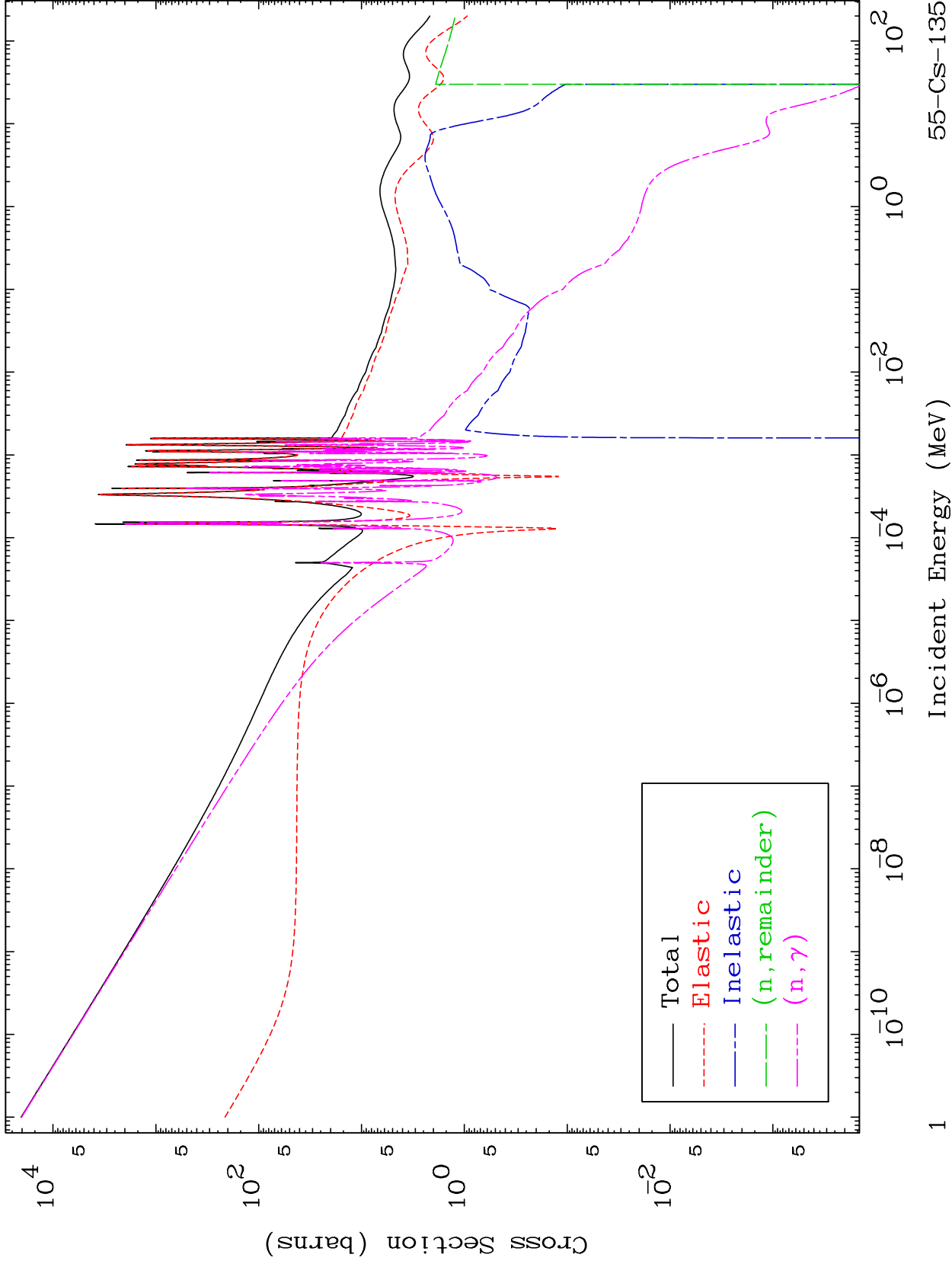
Press Mouse Button to Start

MAT 5532

Major

293 Kelvin Cross Sections

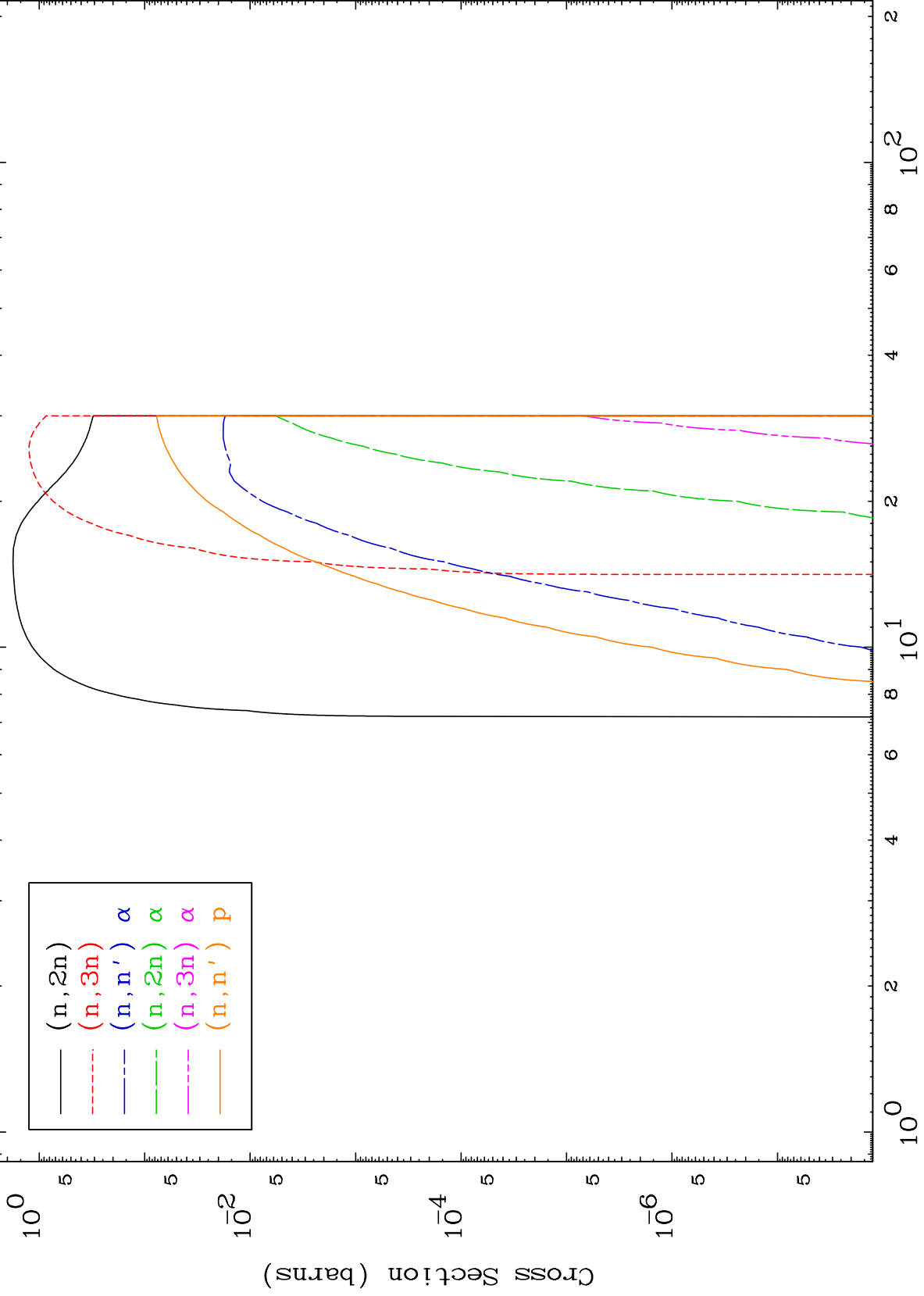
55-Cs-135



MAT 5532

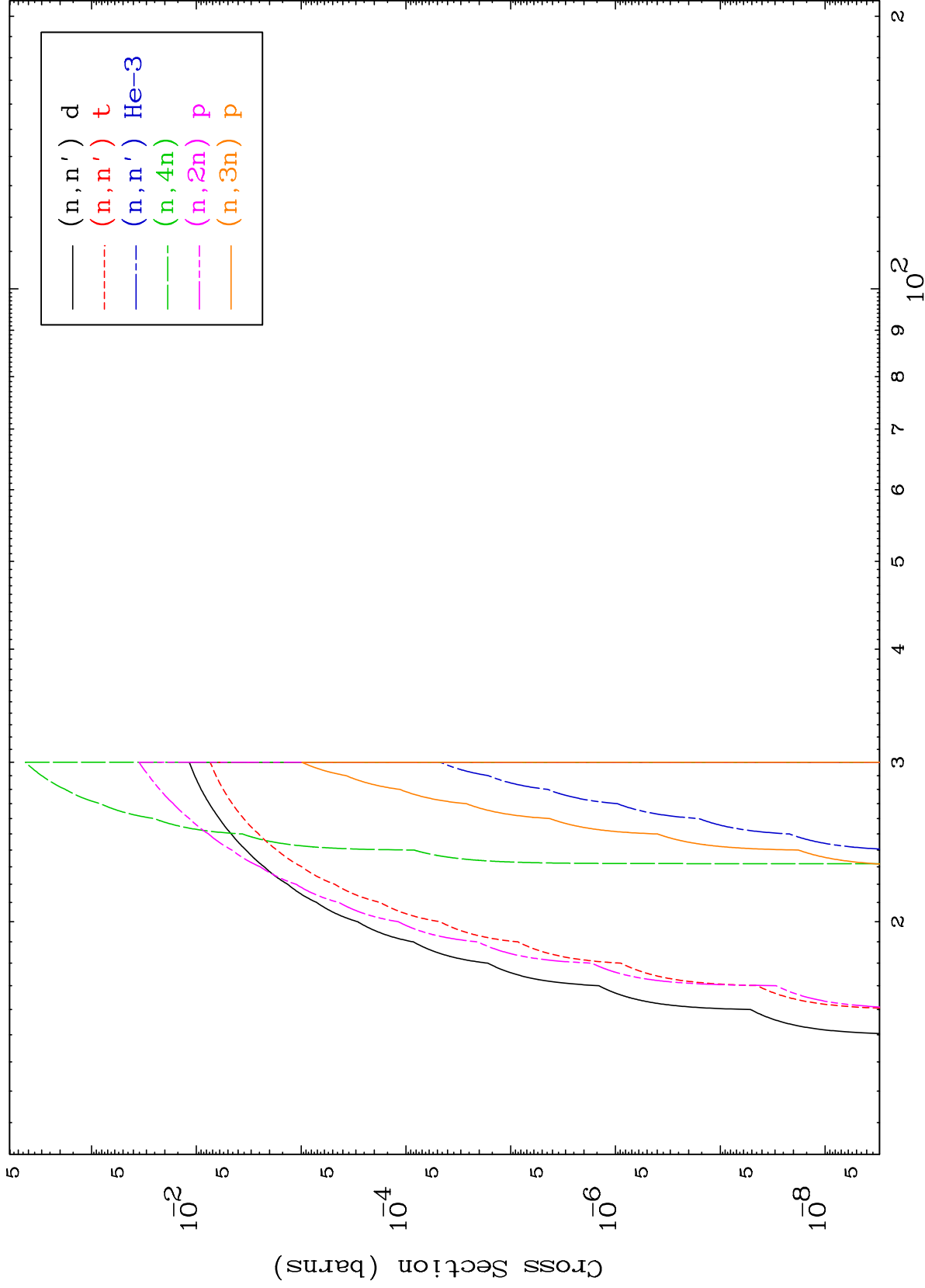
Neutron Production  
293 Kelvin Cross Sections

55-Cs-135



Incident Energy (MeV)

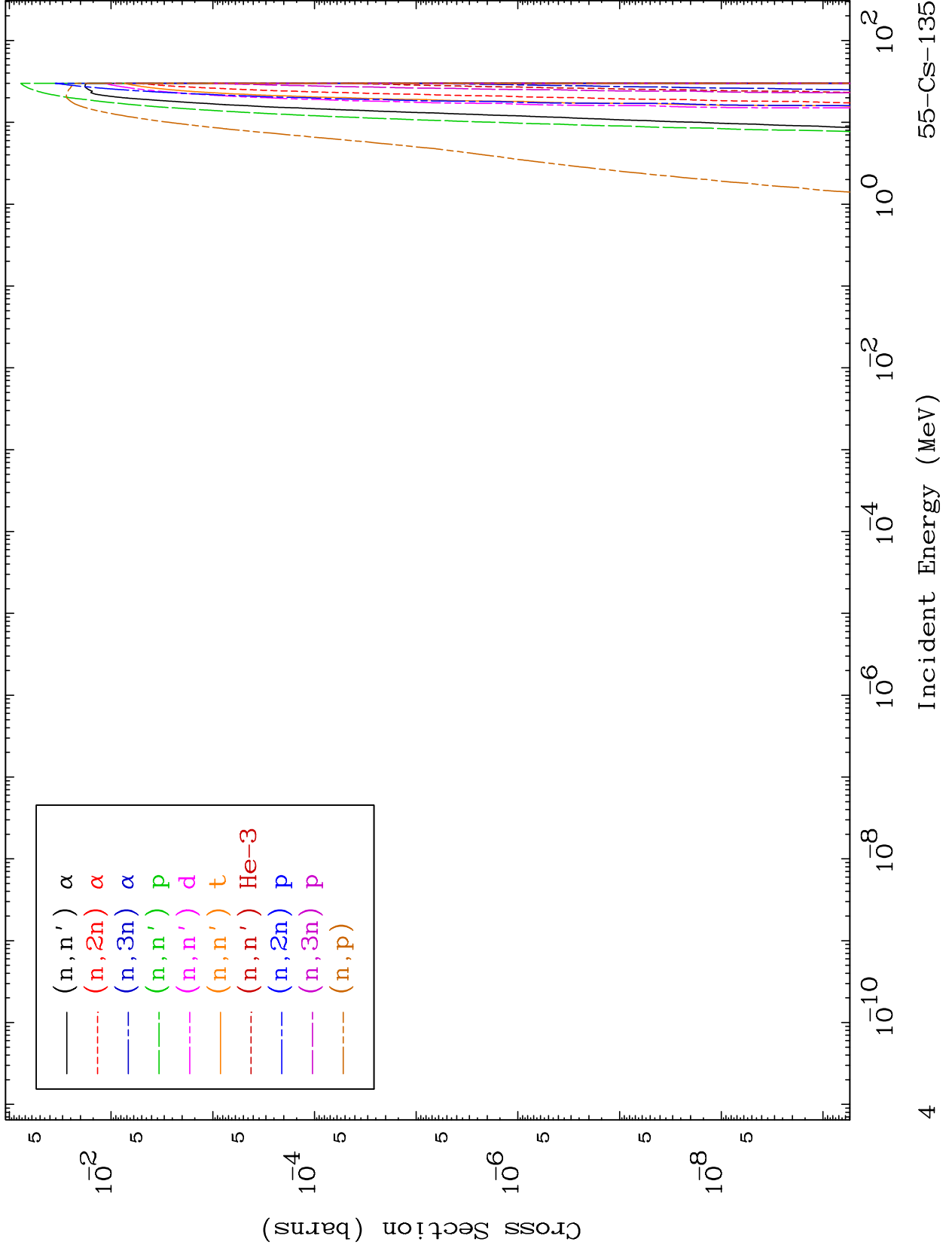
55-Cs-135



MAT 5532

Charged Particle  
293 Kelvin Cross Sections

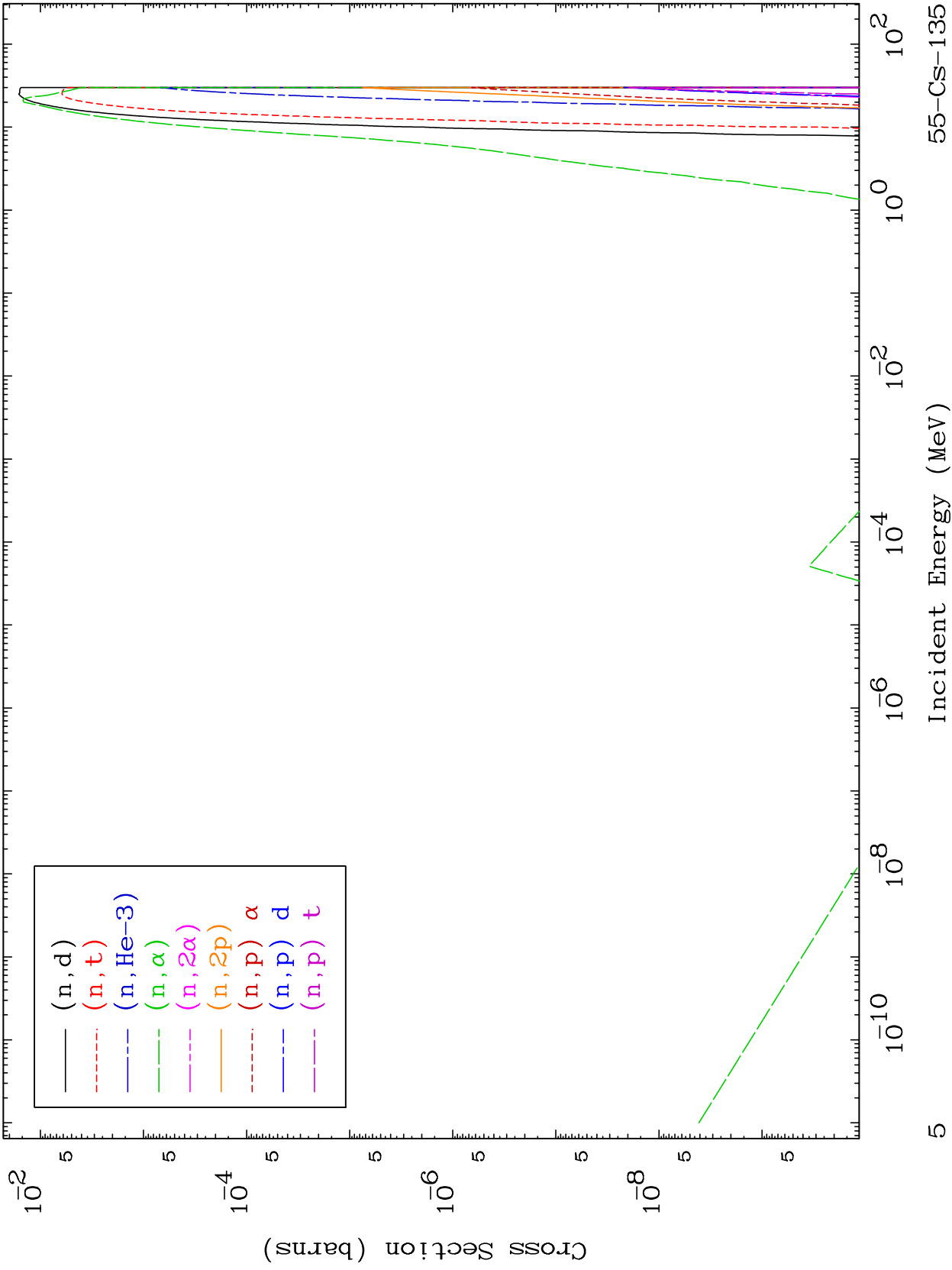
55-Cs-135



MAT 5532

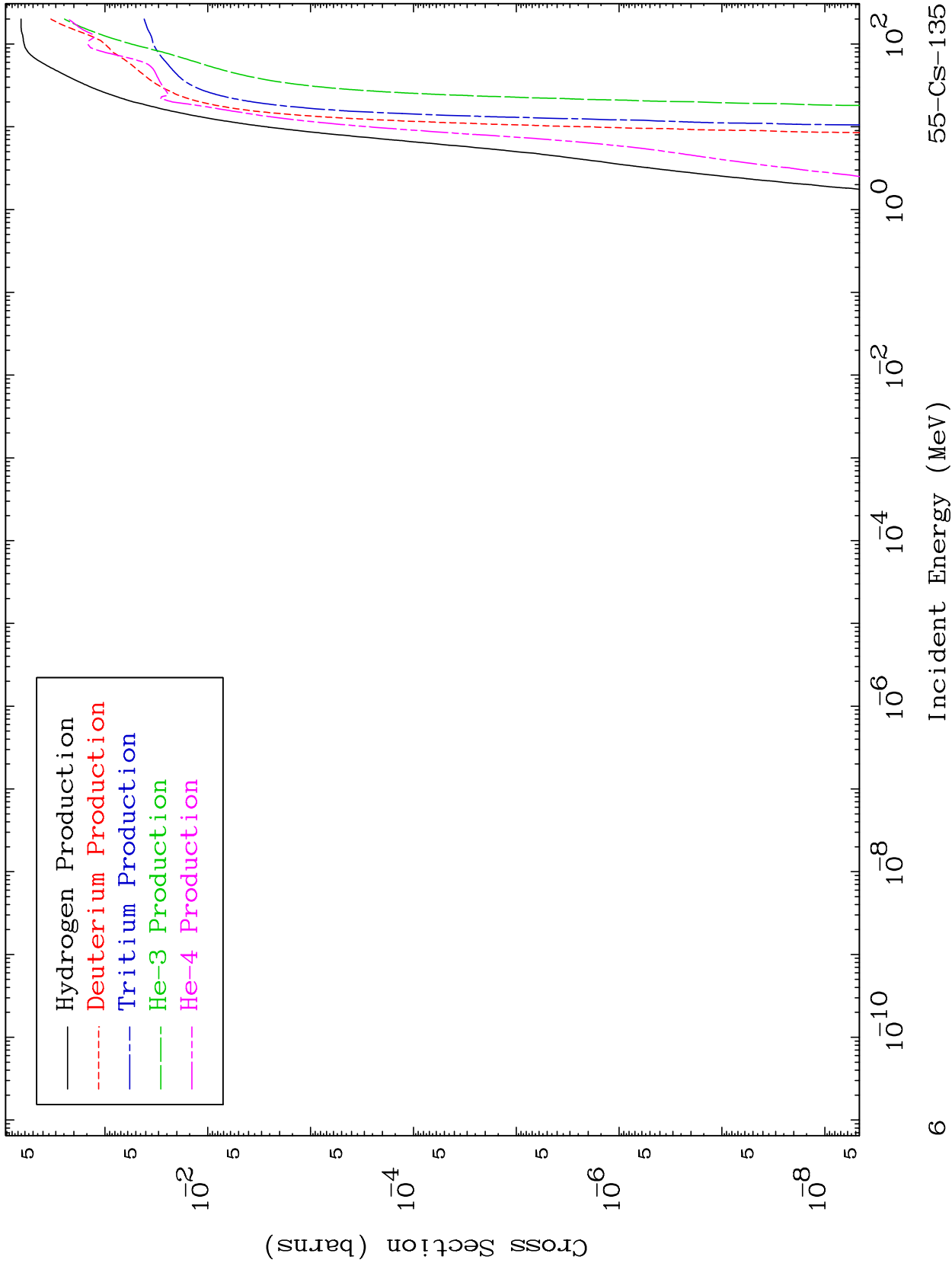
Charged Particle  
293 Kelvin Cross Sections

55-Cs-135



5

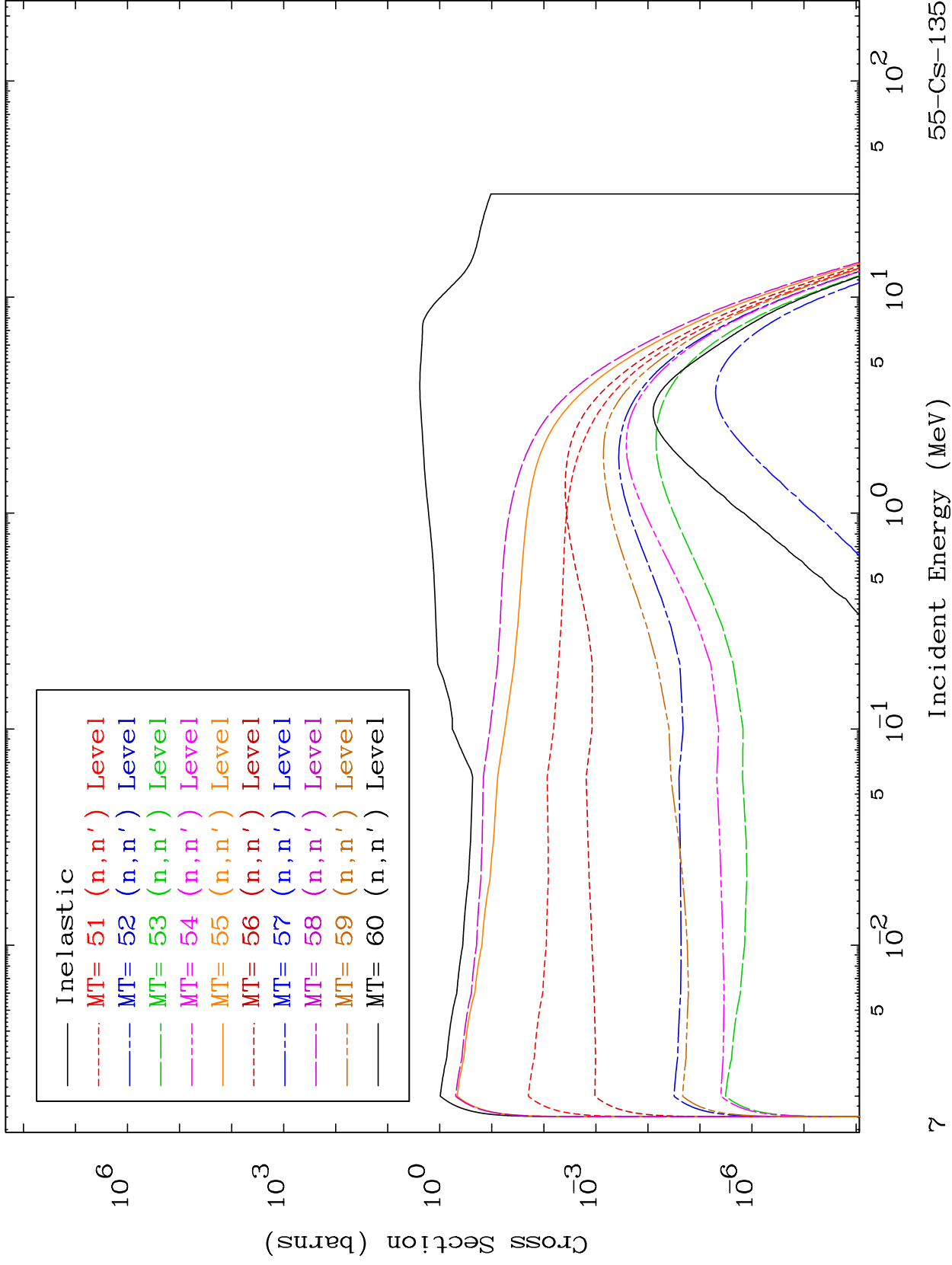
55-Cs-135



MAT 5532

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-135



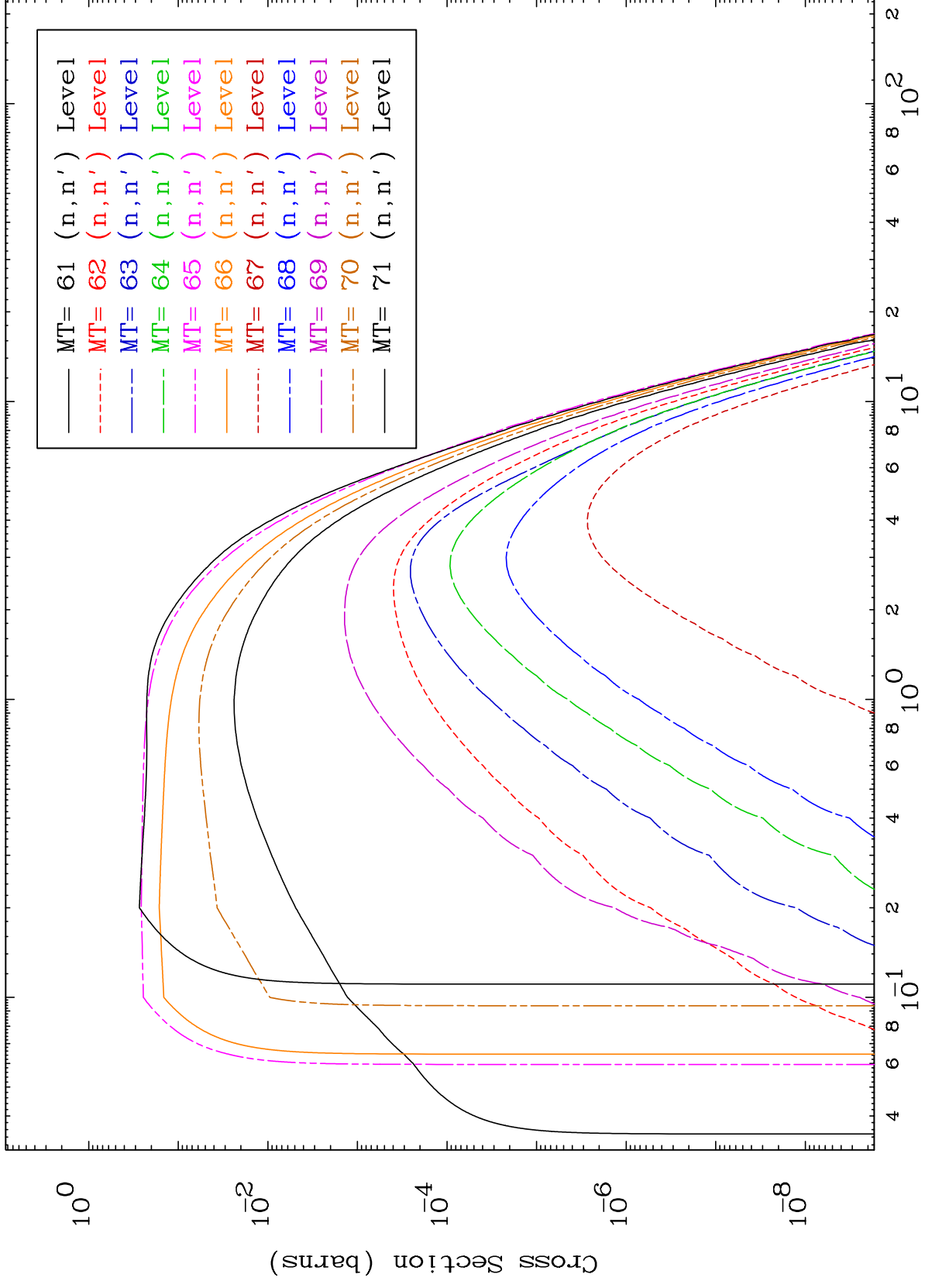


MAT 5532

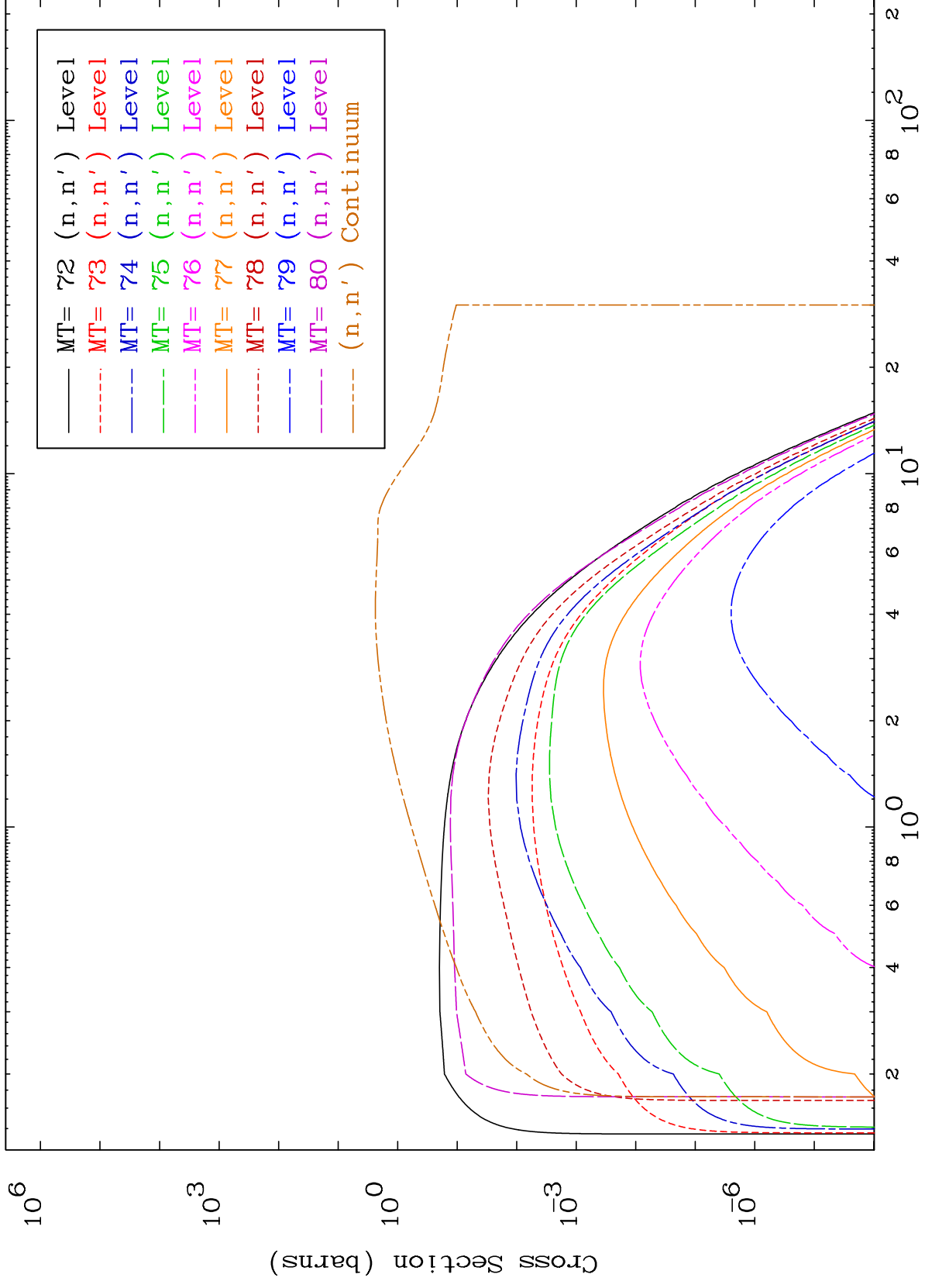
(n,n') Level

293 Kelvin Cross Sections

55-Cs-135



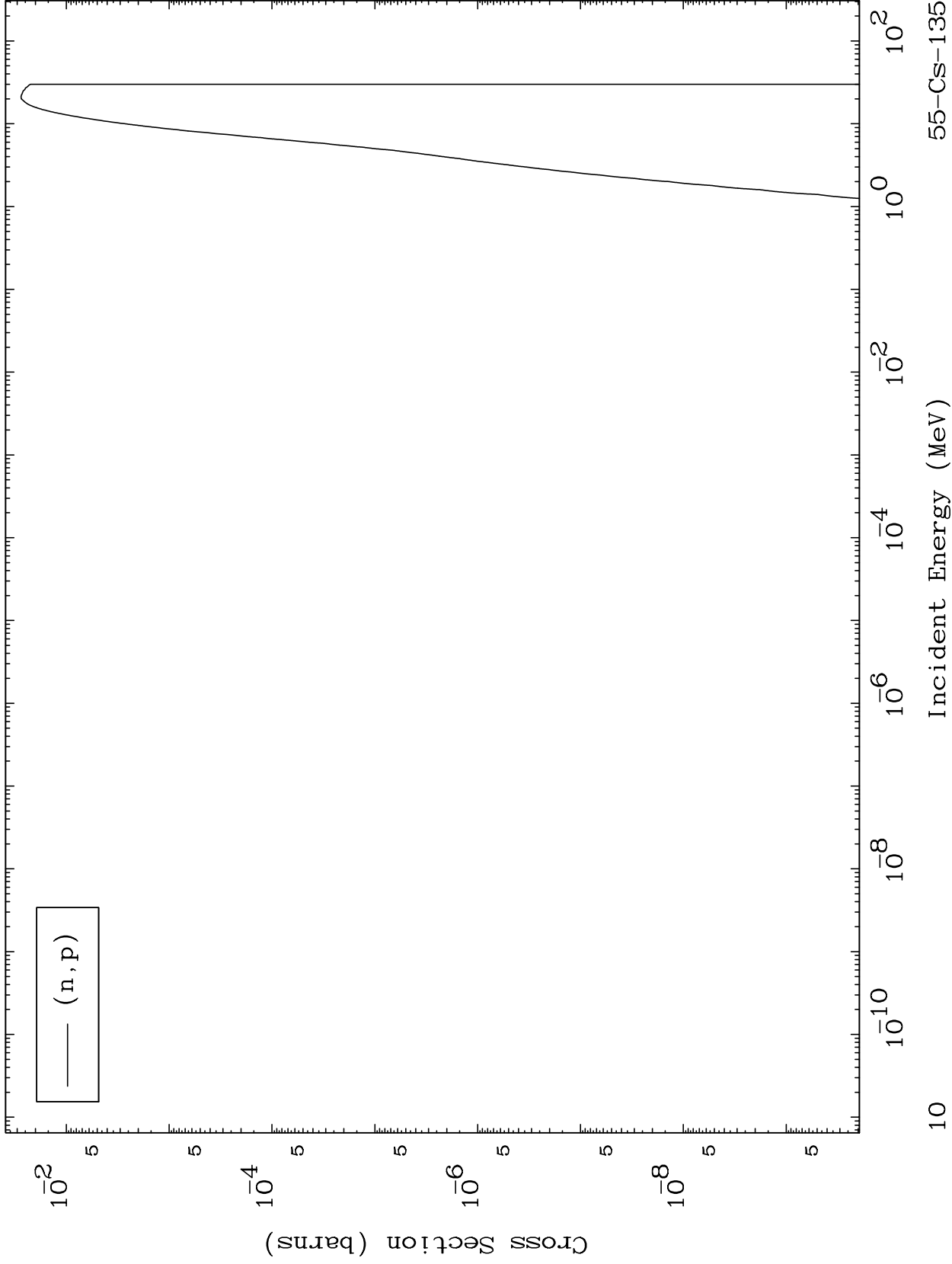
293 Kelvin Cross Sections



MAT 5532

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-135



10

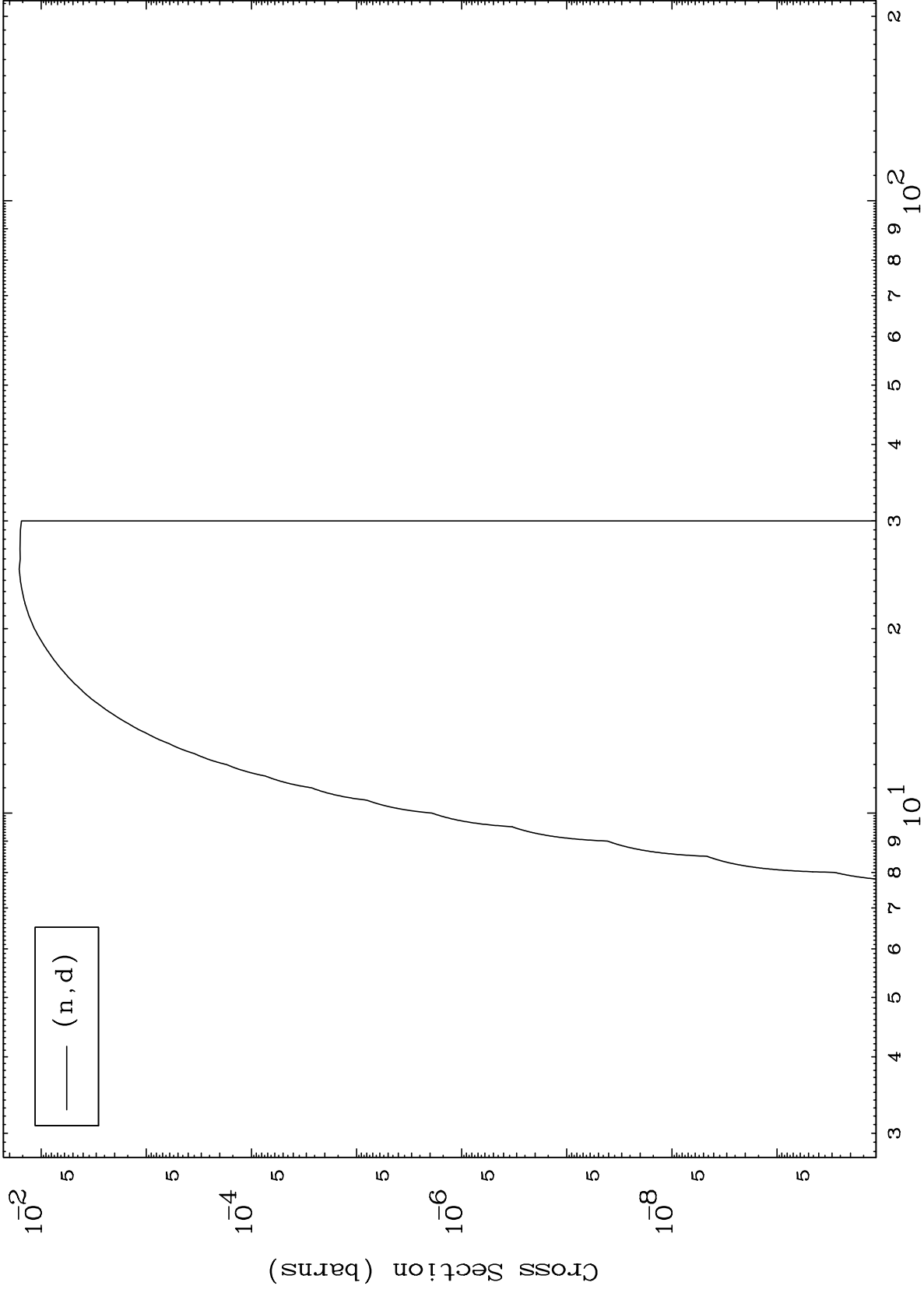
Incident Energy (MeV)

55-Cs-135

MAT 5532

(n,d) Levels  
293 Kelvin Cross Sections

55-Cs-135



(n,d)

11

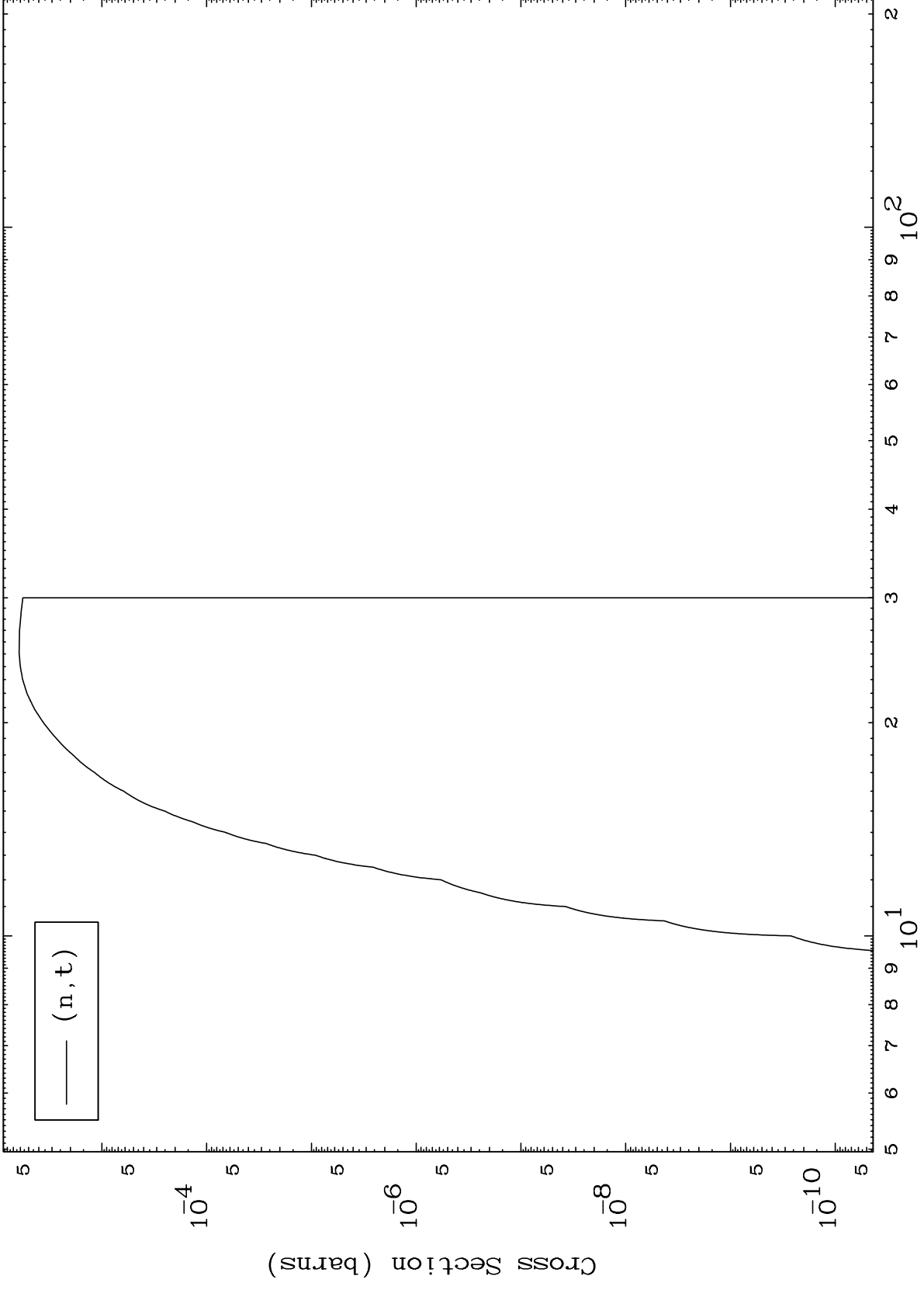
Incident Energy (MeV)

55-Cs-135

MAT 5532

(n,t) Levels  
293 Kelvin Cross Sections

55-Cs-135



12

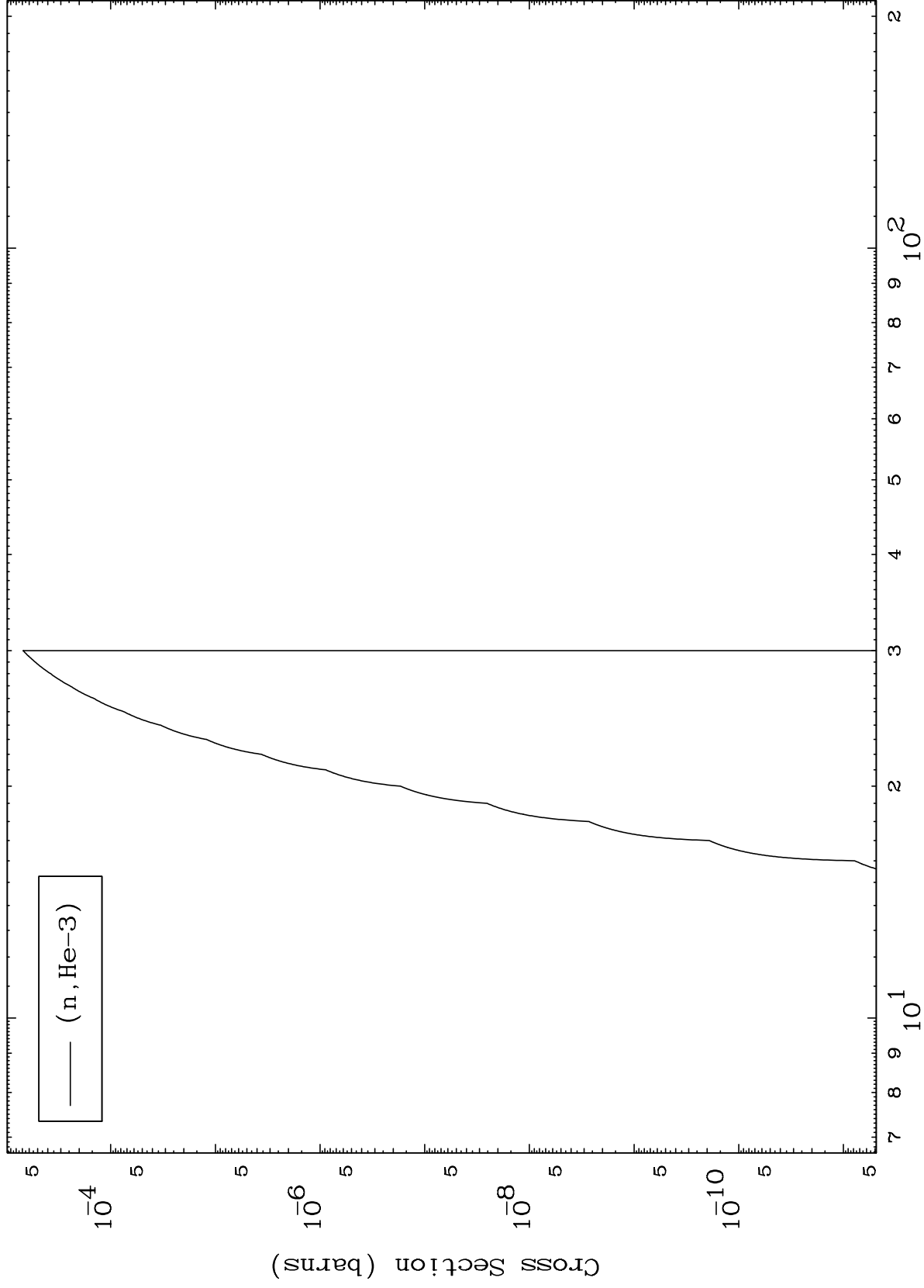
Incident Energy (MeV)

55-Cs-135

MAT 5532

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-135



13

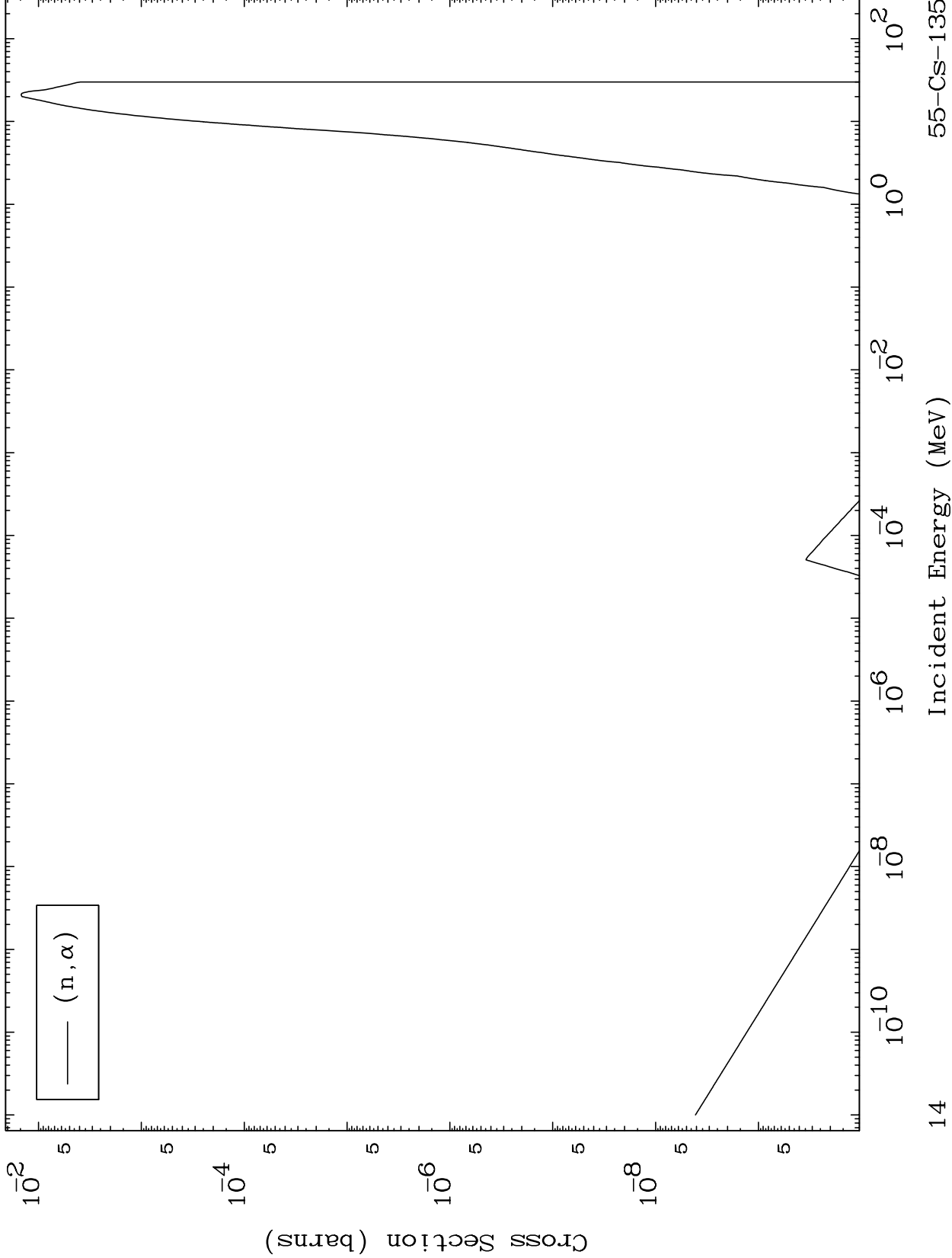
Incident Energy (MeV)

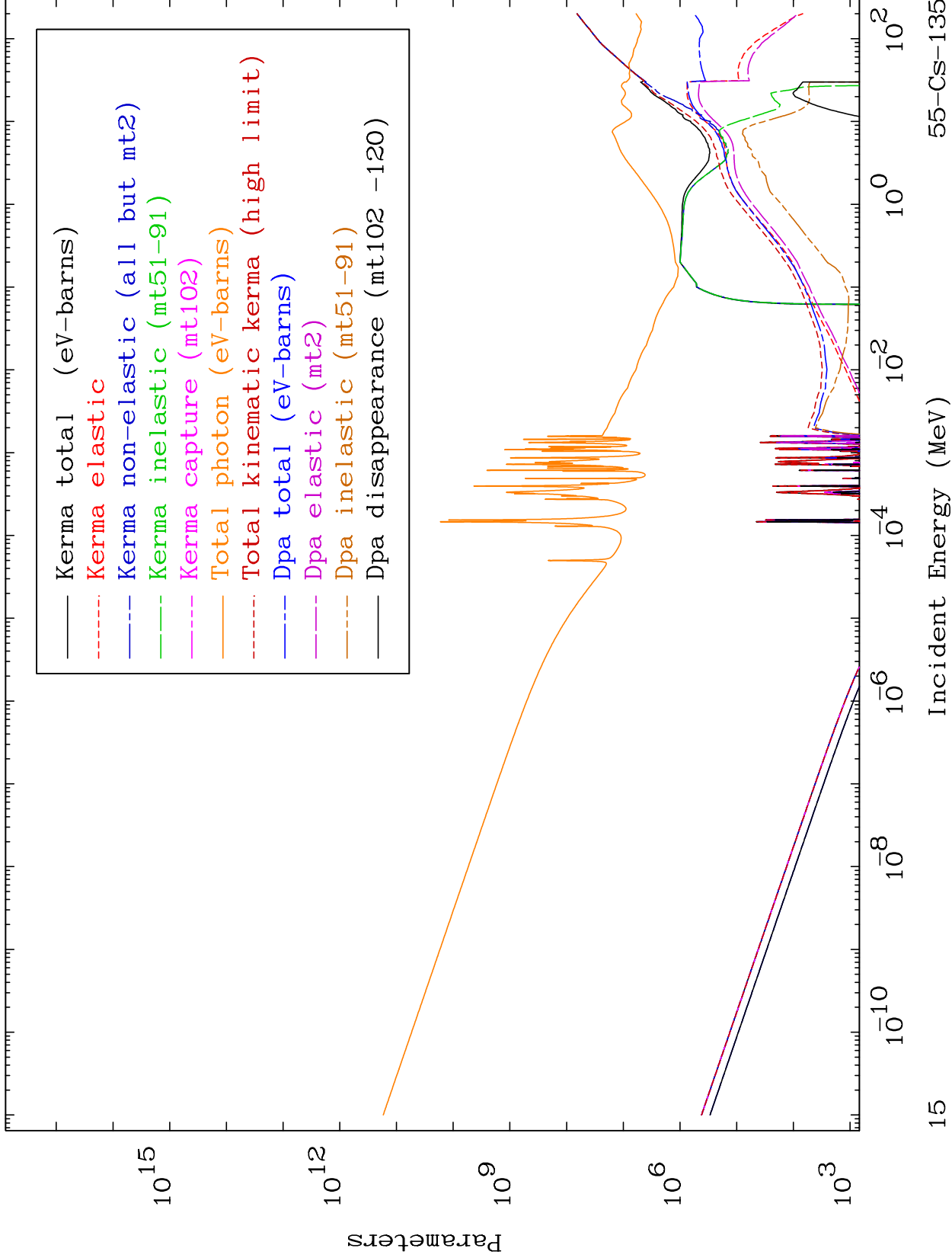
55-Cs-135

MAT 5532

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

55-Cs-135





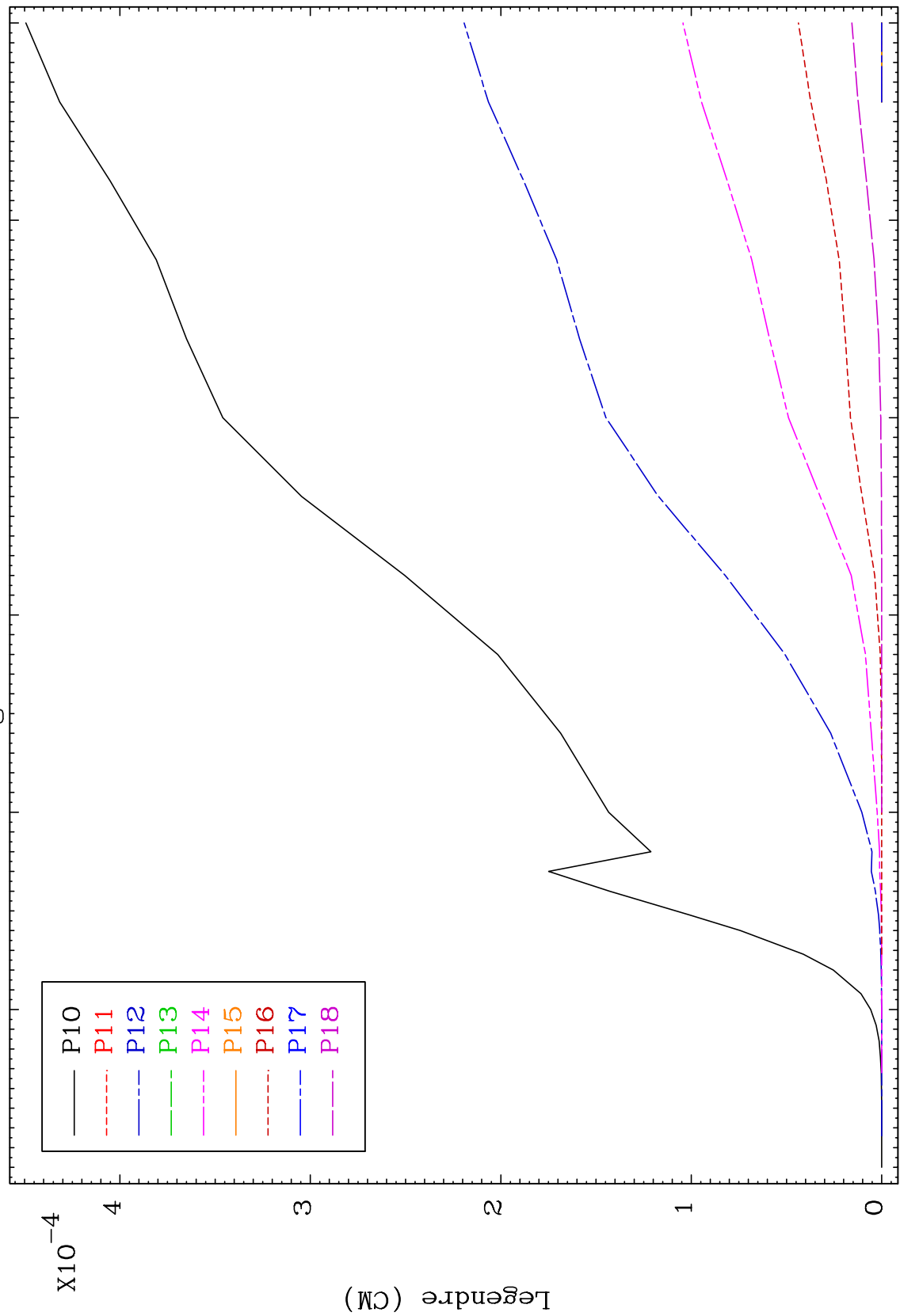




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Elastic Legendre Coefficients

55-Cs-135



17

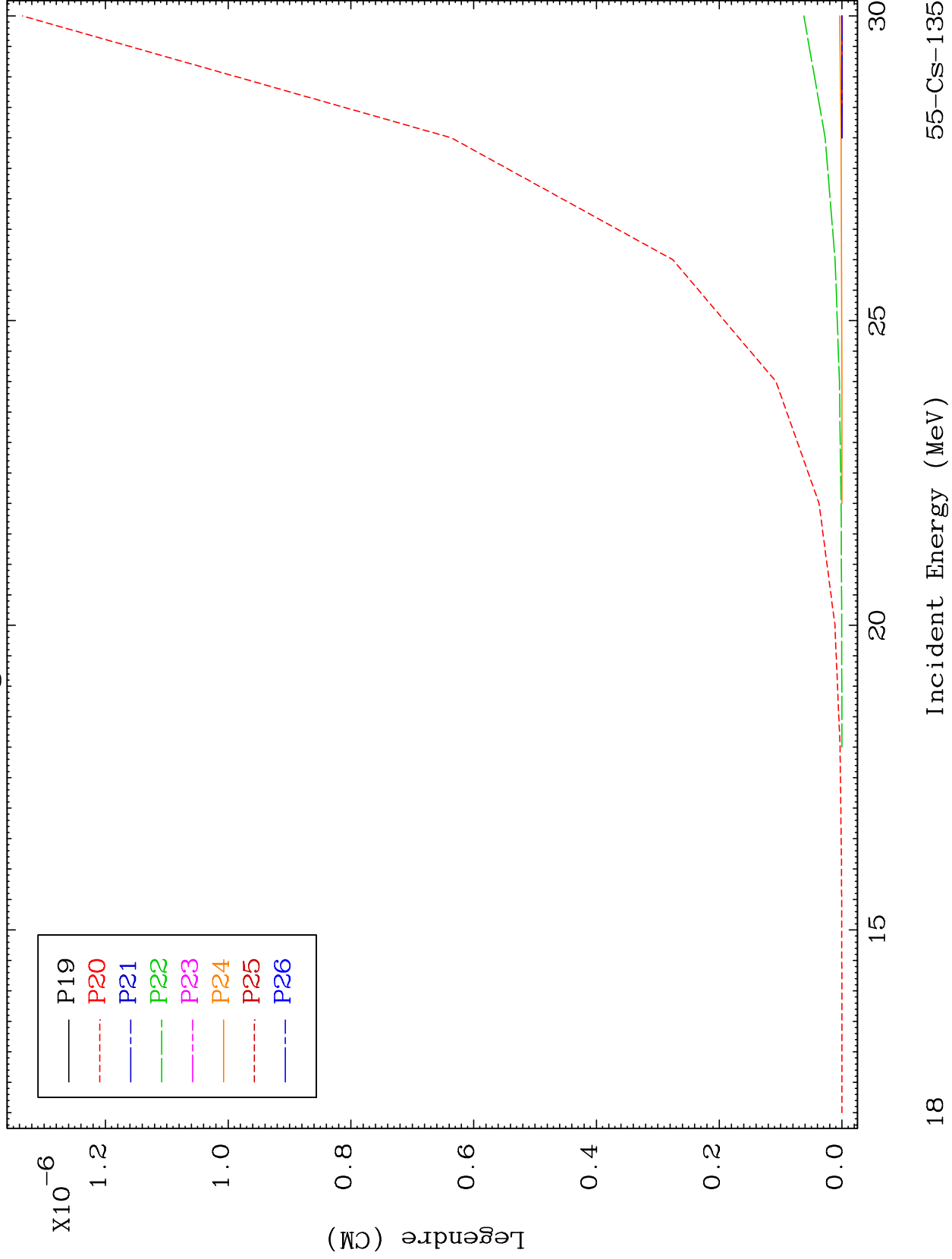
55-Cs-135

Incident Energy (MeV)

MAT 5532

Elastic Legendre Coefficients

55-Cs-135



18

Incident Energy (MeV)

55-Cs-135

15

20

25

30

$\times 10^{-6}$

1.2

1.0

0.8

0.6

0.4

0.2

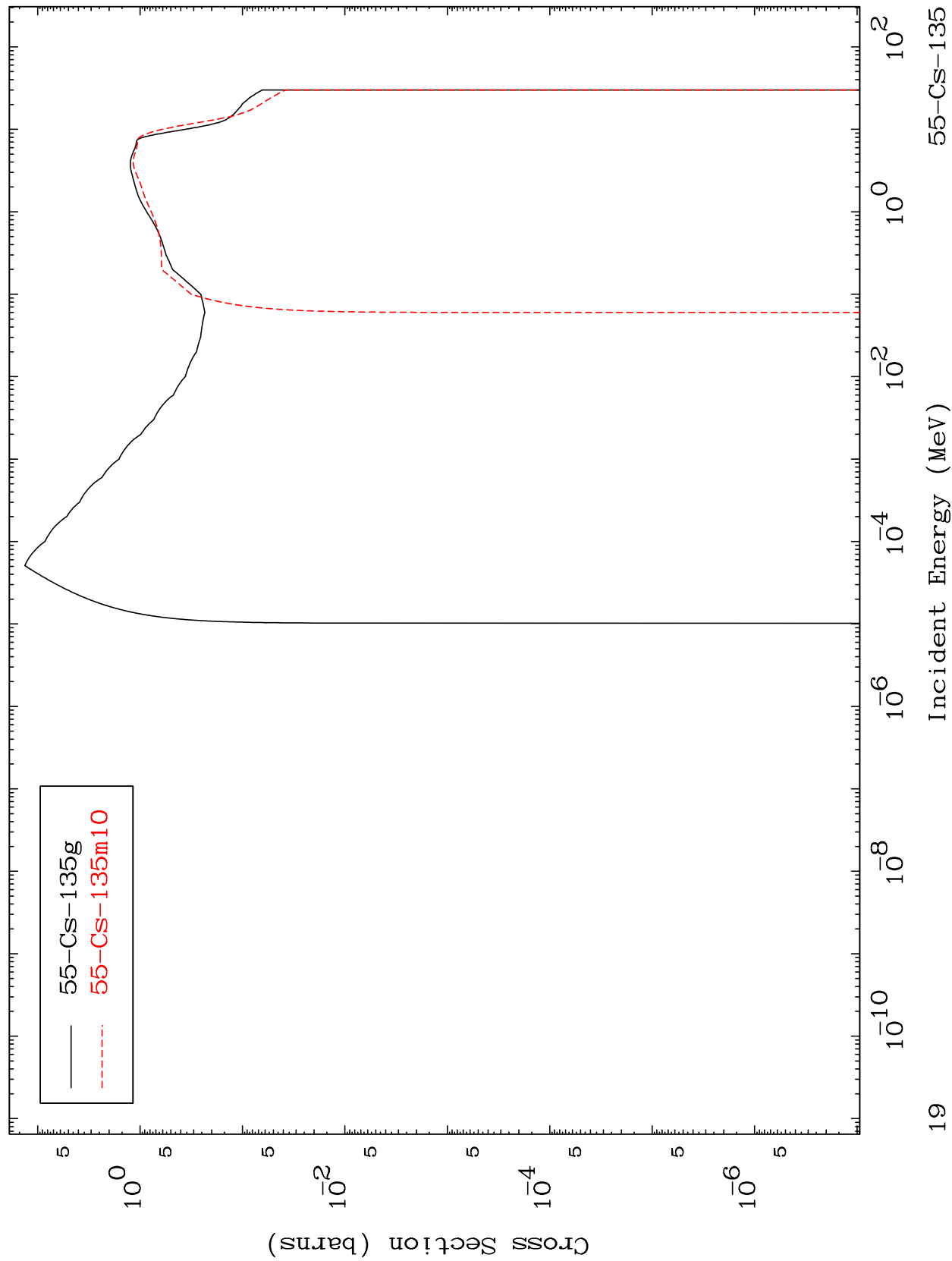
0.0

- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26

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55-Cs-135

Inelastic  
Radionuclide Production Cross Section

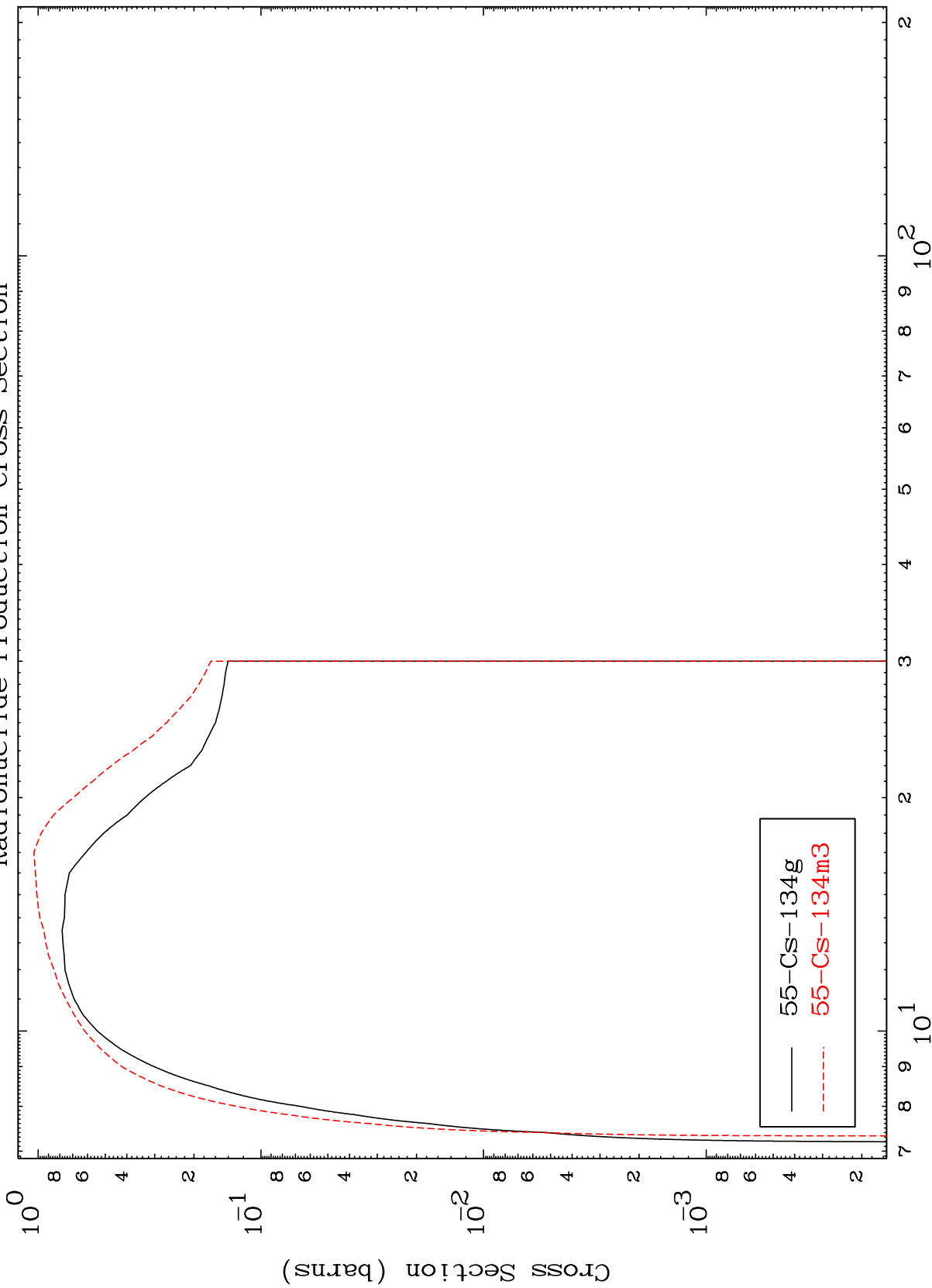


55-Cs-135g  
55-Cs-135m10

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55-Cs-135

(n,2n)  
Radionuclide Production Cross Section



55-Cs-135

Incident Energy (MeV)

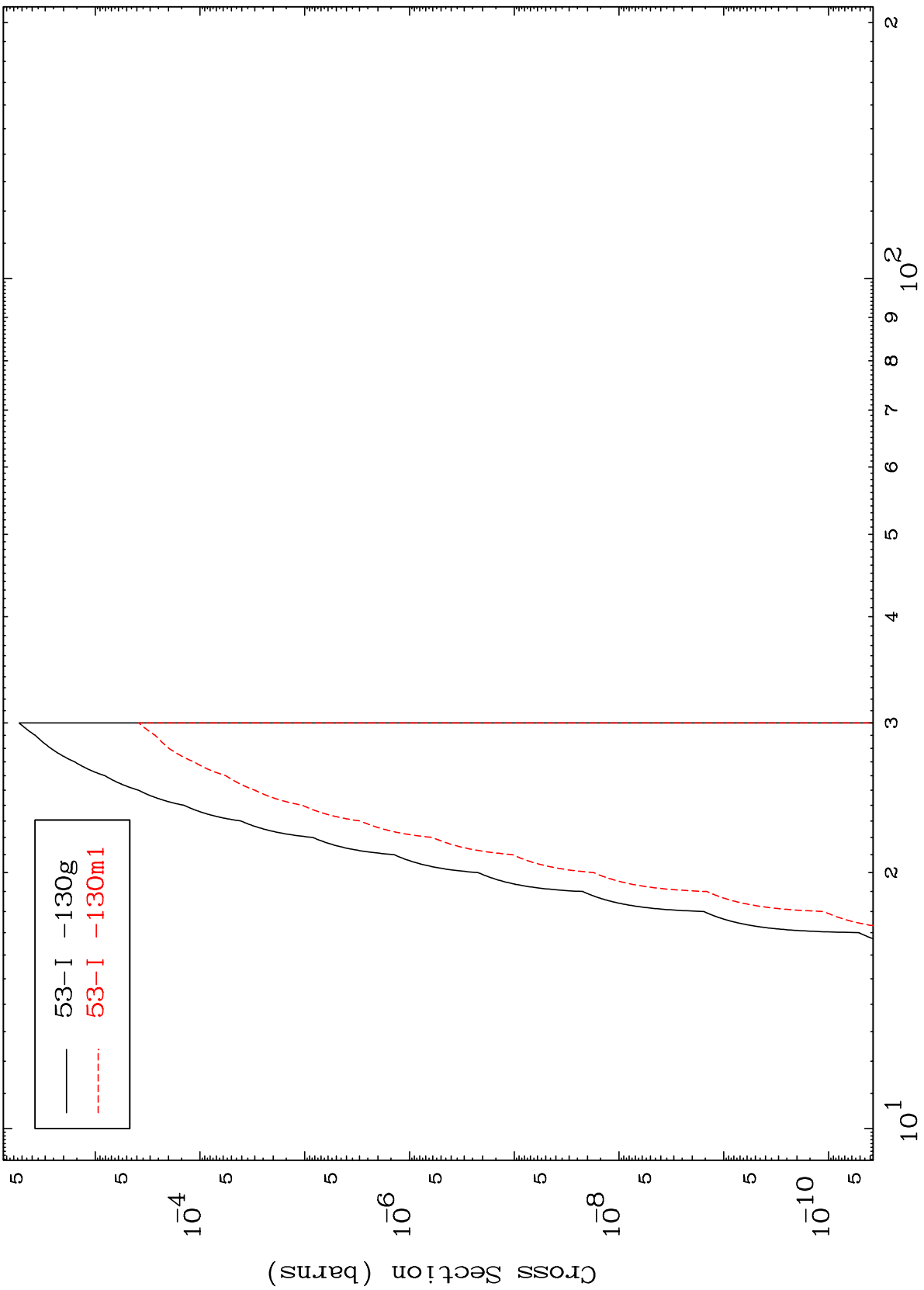
20

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(n,2n)  $\alpha$

55-Cs-135

Radionuclide Production Cross Section



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

21

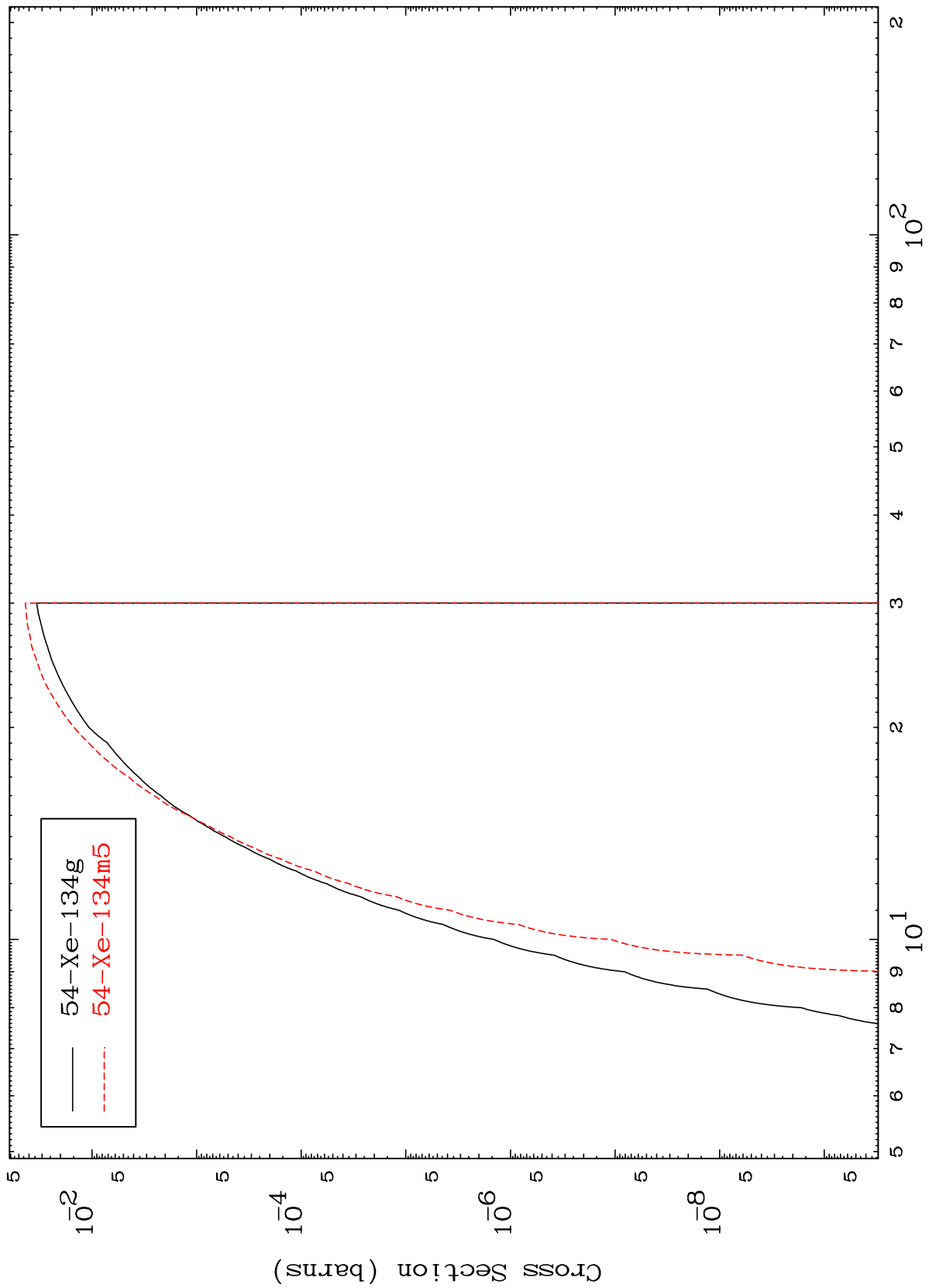
Incident Energy (MeV)

55-Cs-135

MAT 5532

55-Cs-135

(n,n') p  
Radionuclide Production Cross Section



54-Xe-134g  
54-Xe-134m5

55-Cs-135

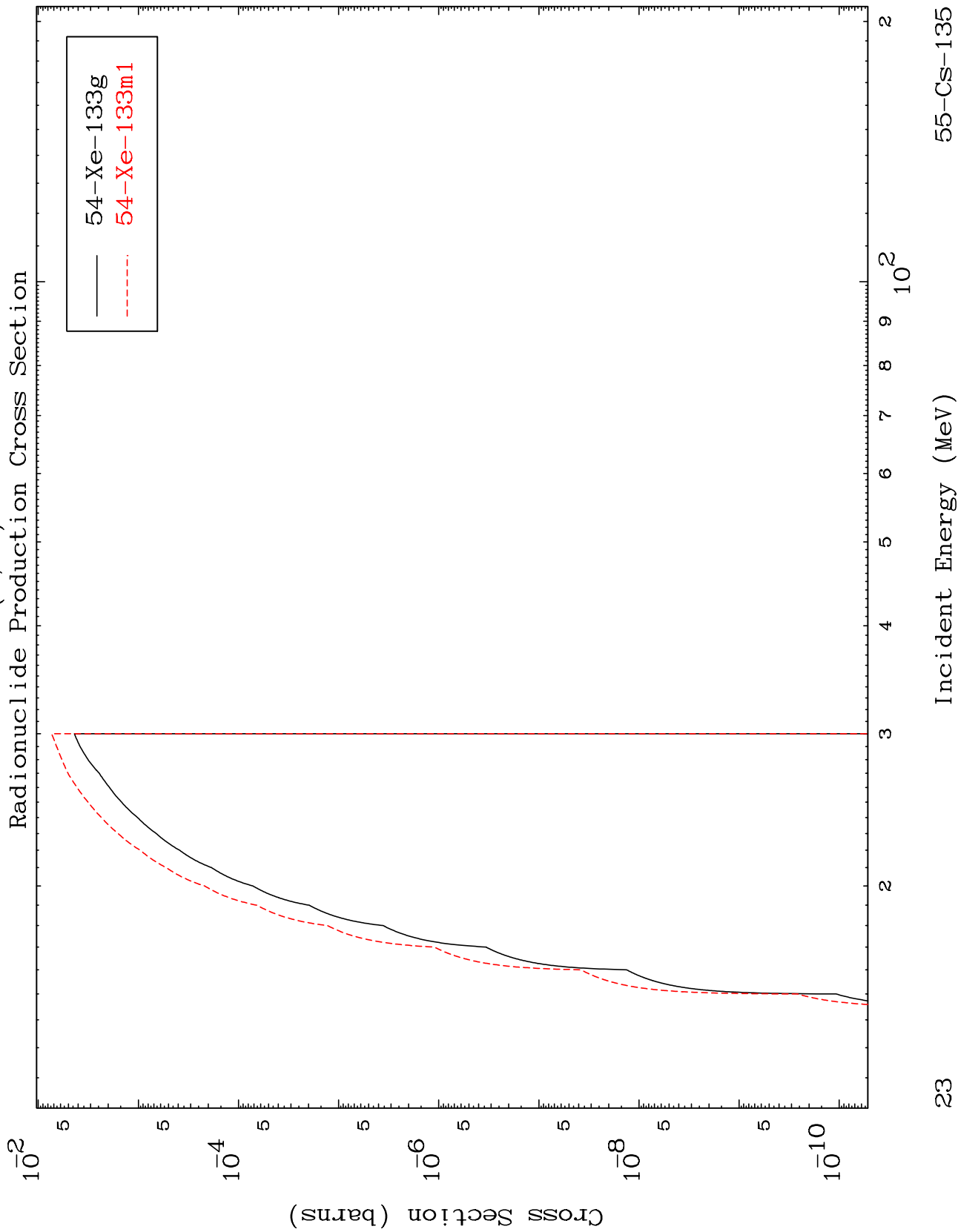
Incident Energy (MeV)

22

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(n,n') d

55-Cs-135



23

55-Cs-135

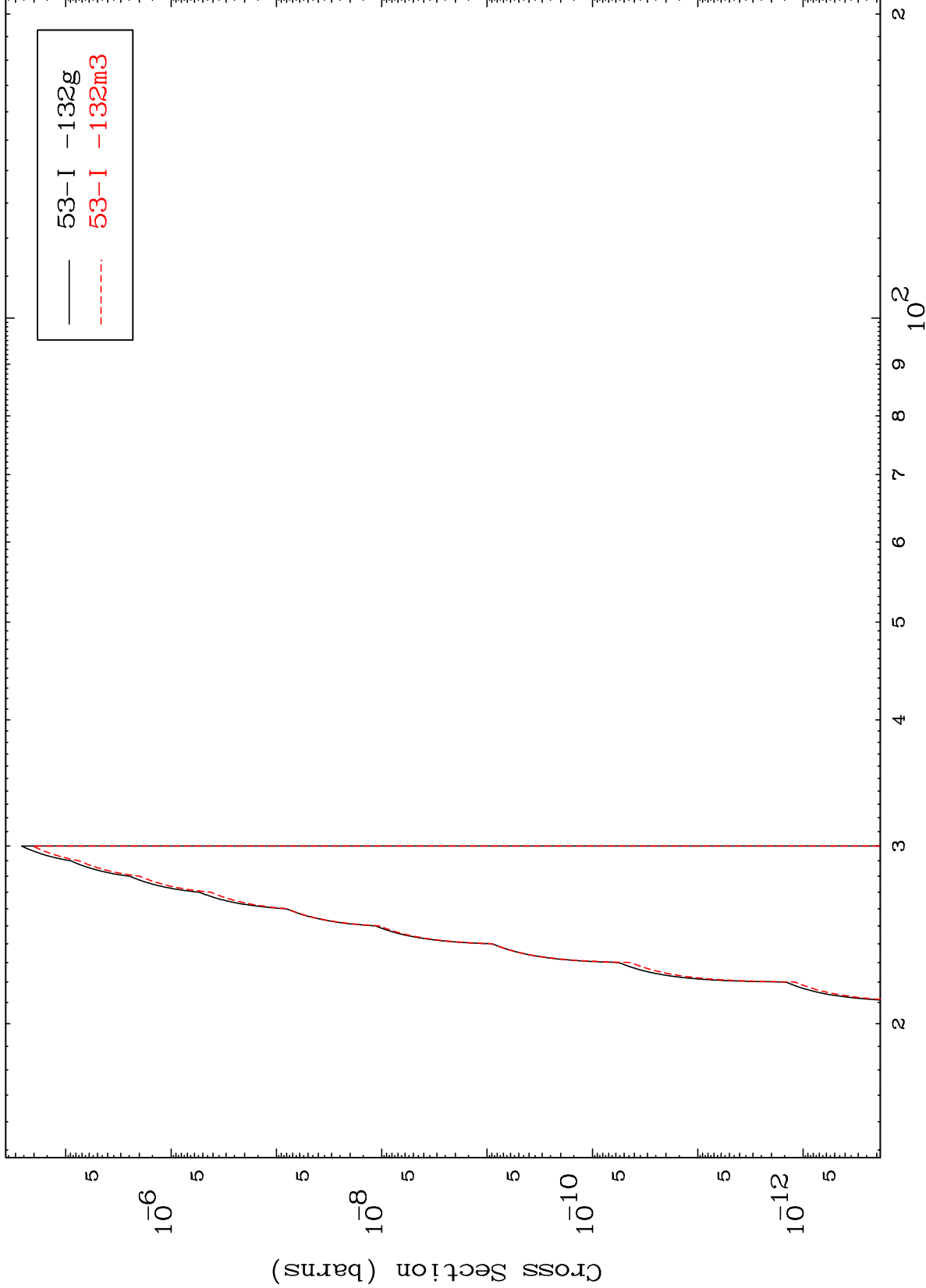


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(n,n') He-3

55-Cs-135

Radionuclide Production Cross Section

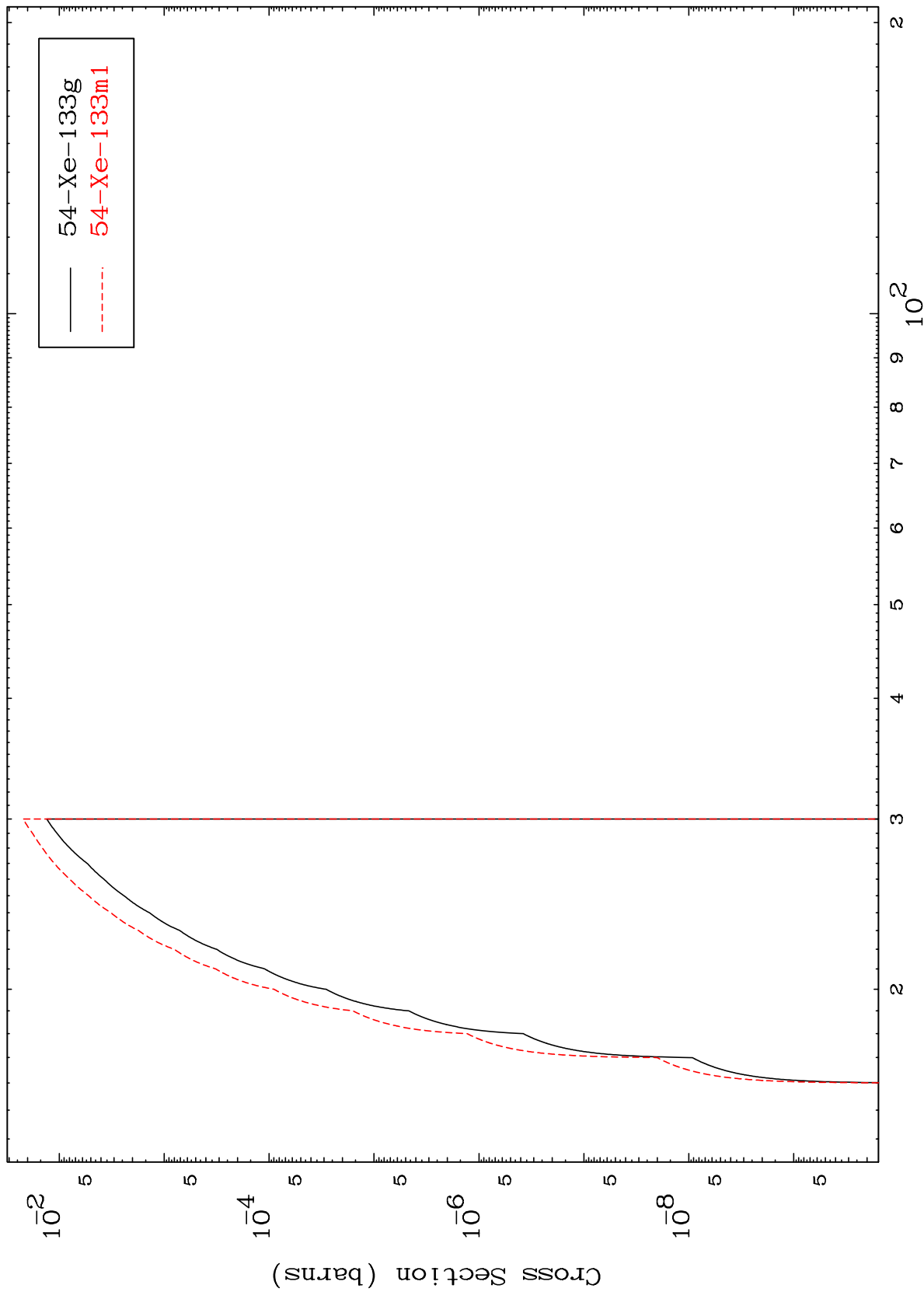


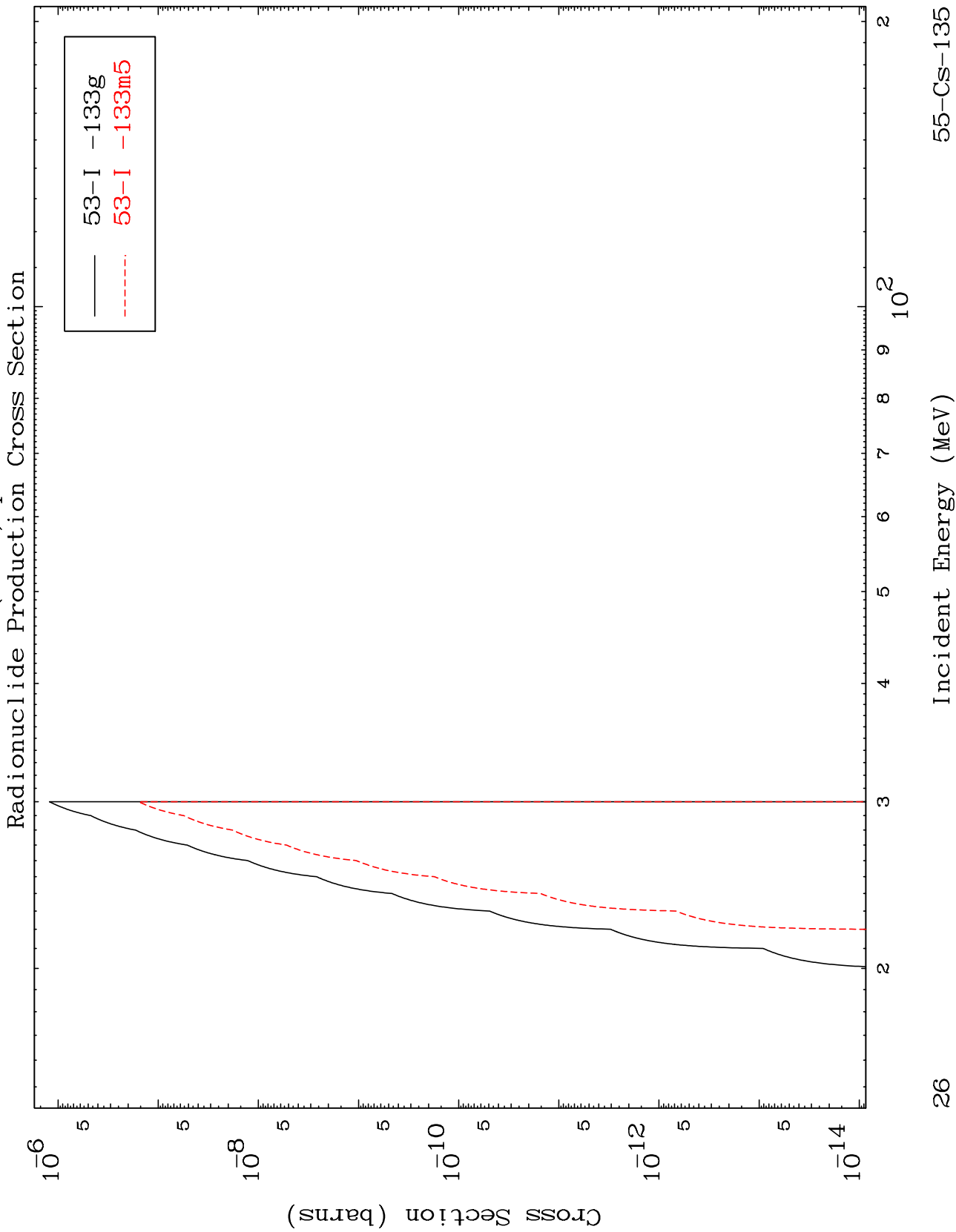
24

Incident Energy (MeV)

55-Cs-135

Radionuclide Production Cross Section

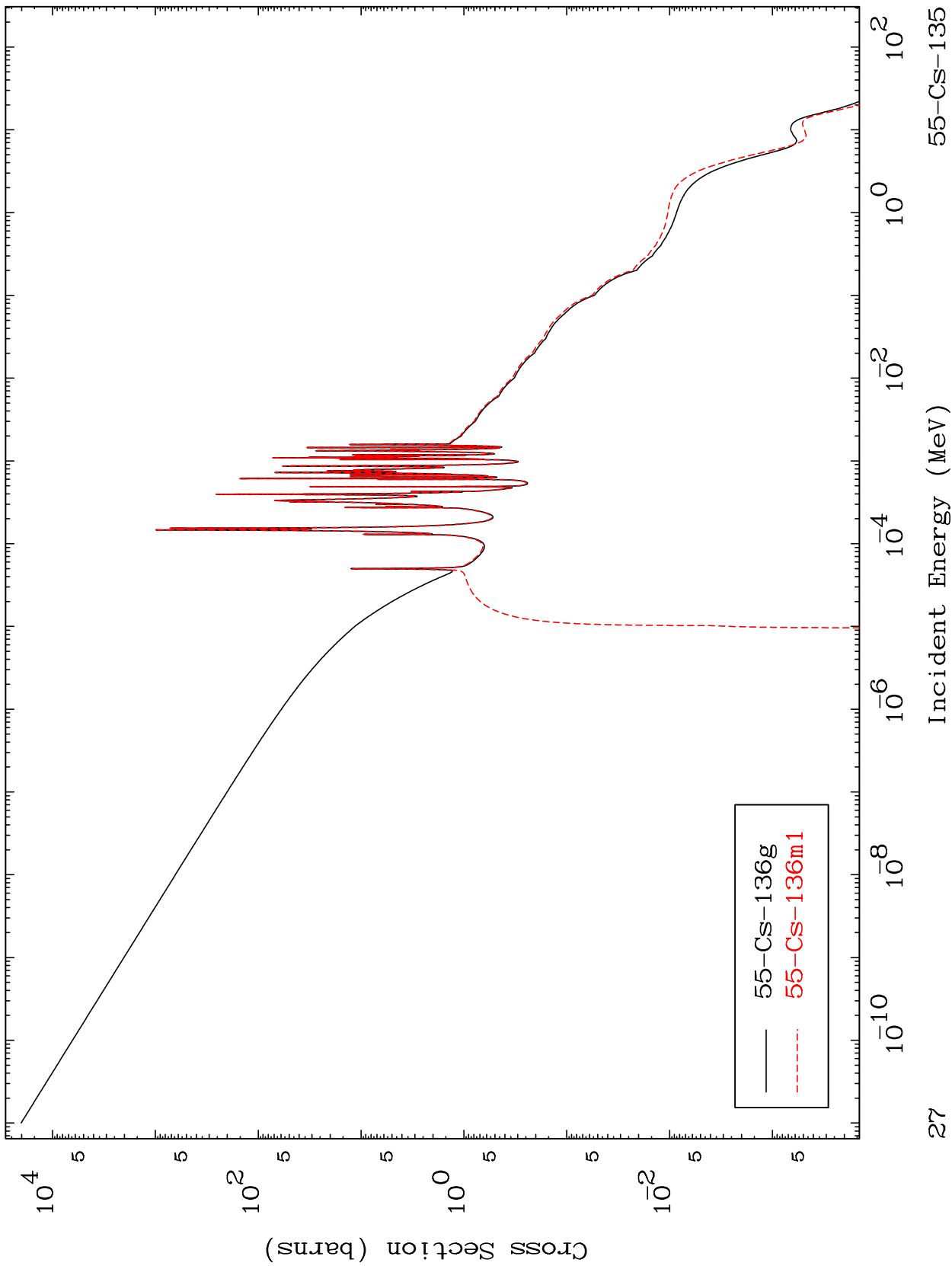




MAT 5532

55-Cs-135

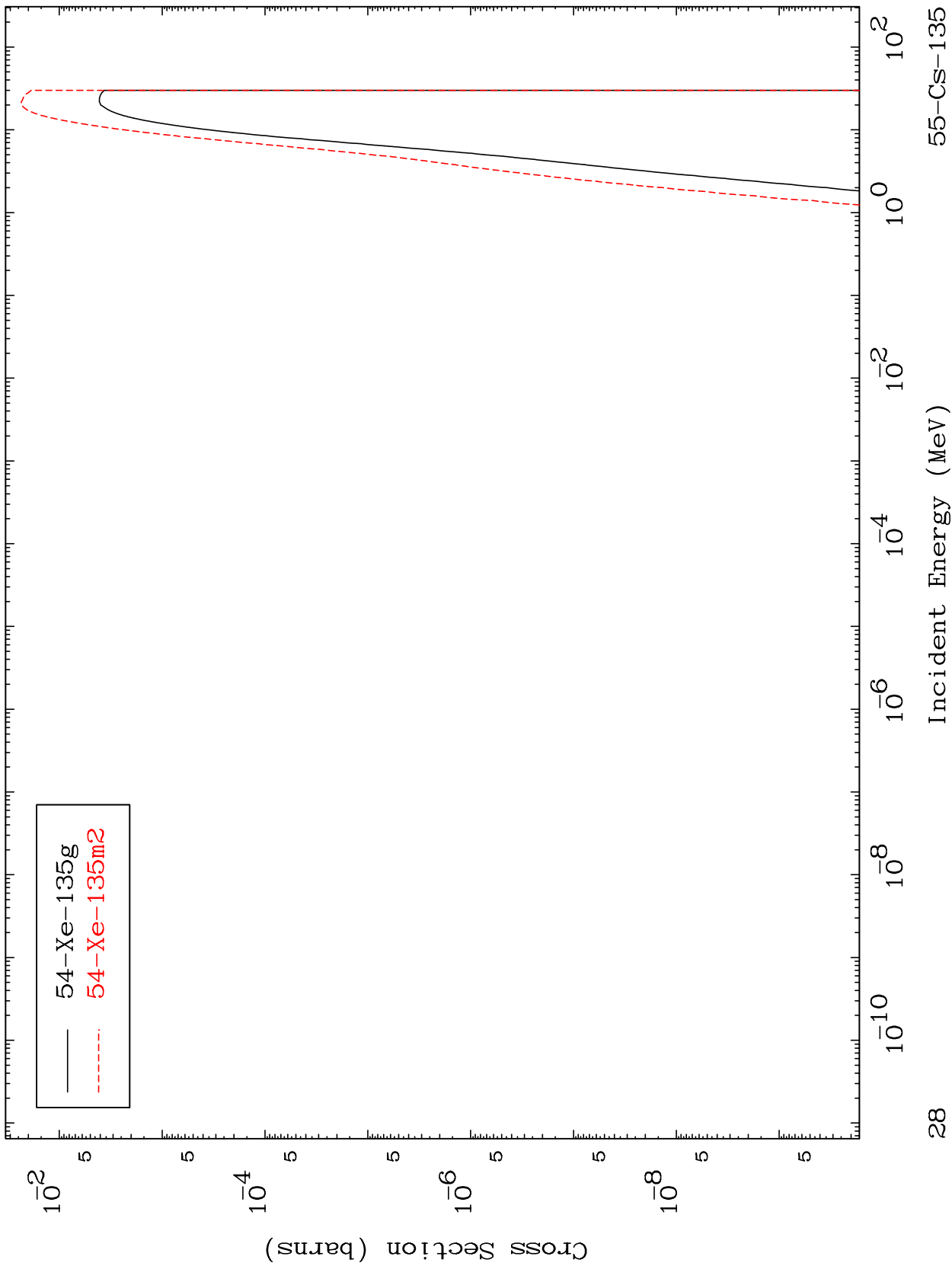
(n,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 5532

55-Cs-135

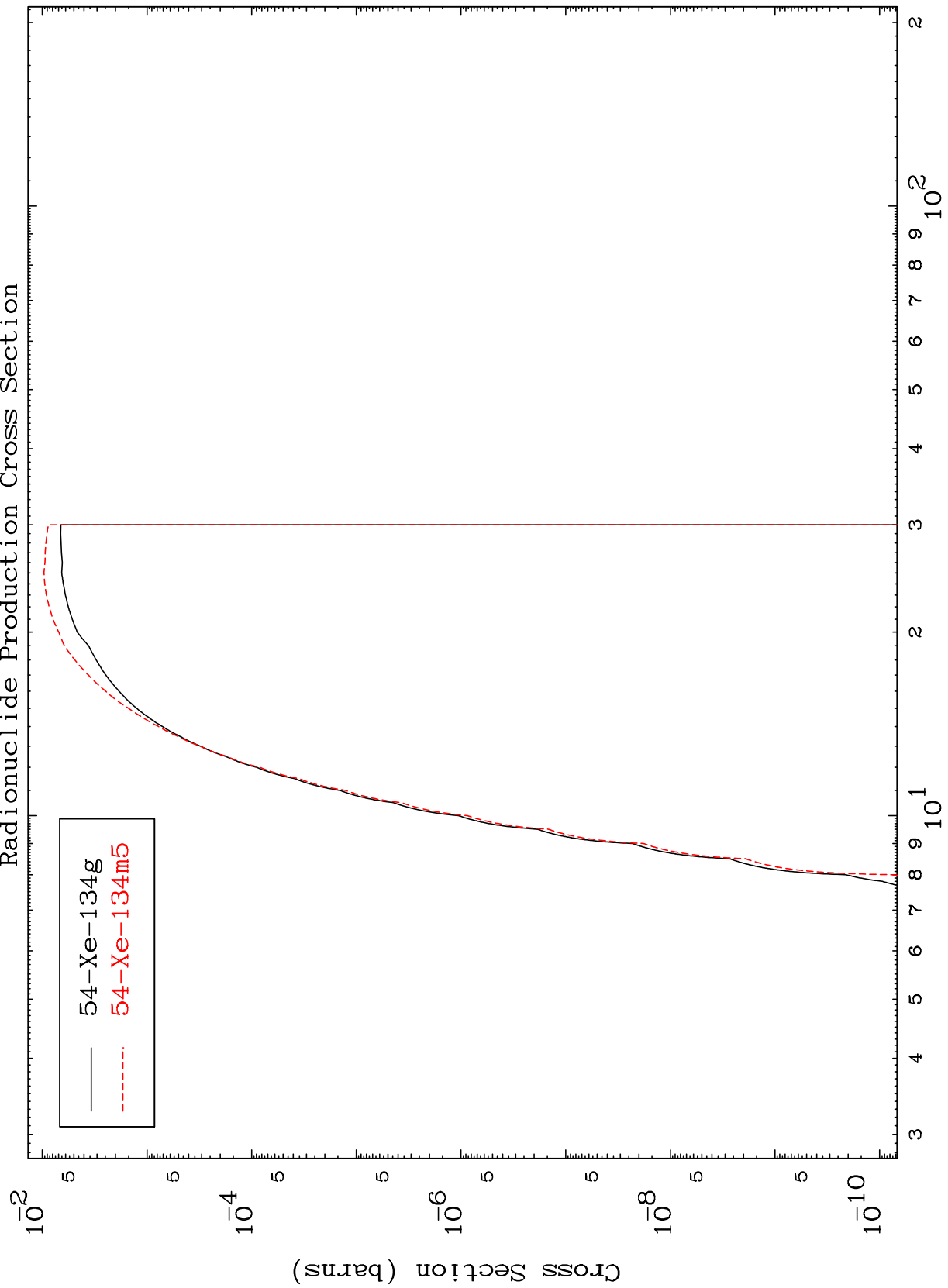
(n,p)  
Radionuclide Production Cross Section



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55-Cs-135

(n,d)  
Radionuclide Production Cross Section



29

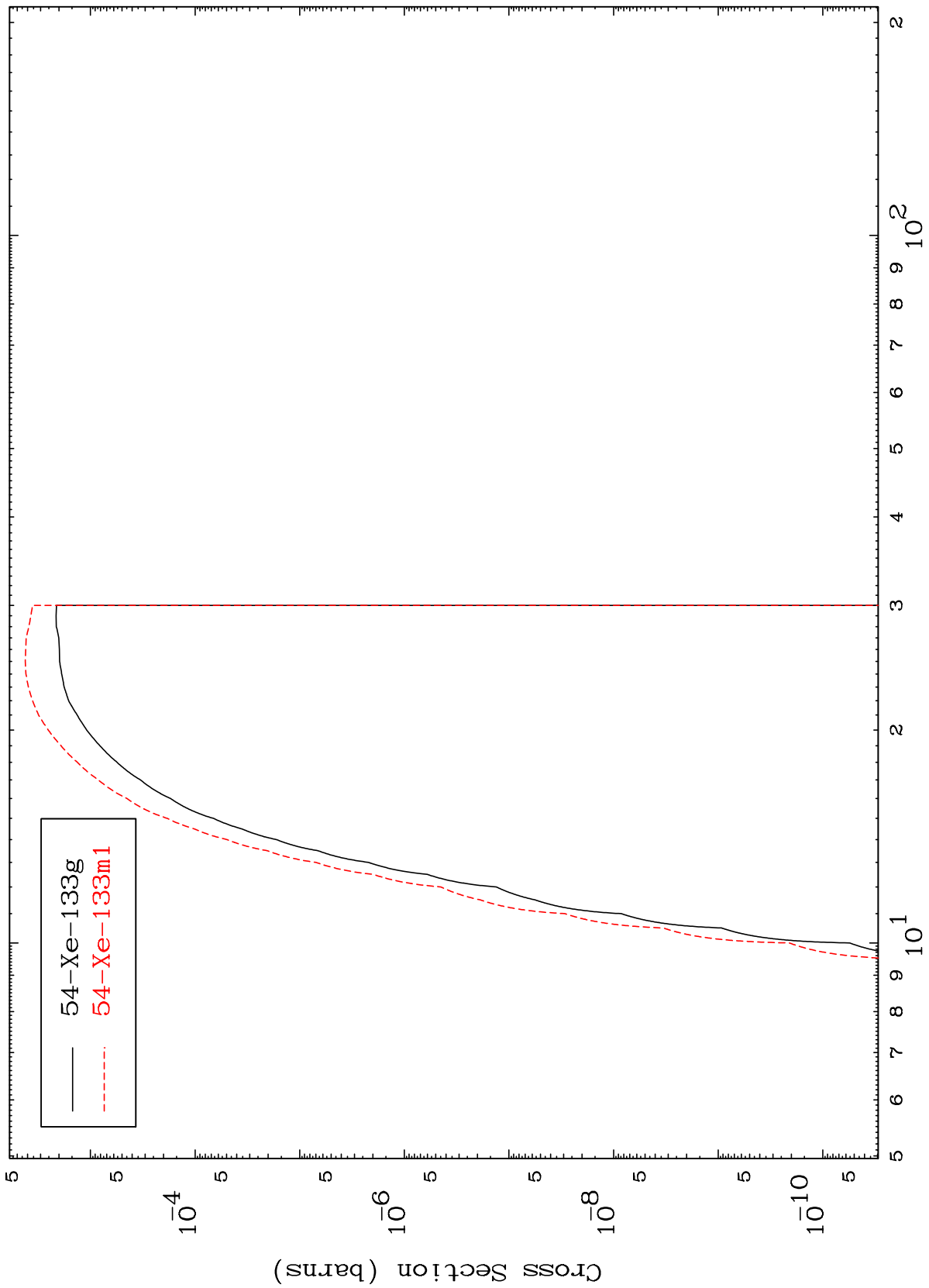
Incident Energy (MeV)

55-Cs-135

MAT 5532

55-Cs-135

(n,t)  
Radionuclide Production Cross Section



30

Incident Energy (MeV)

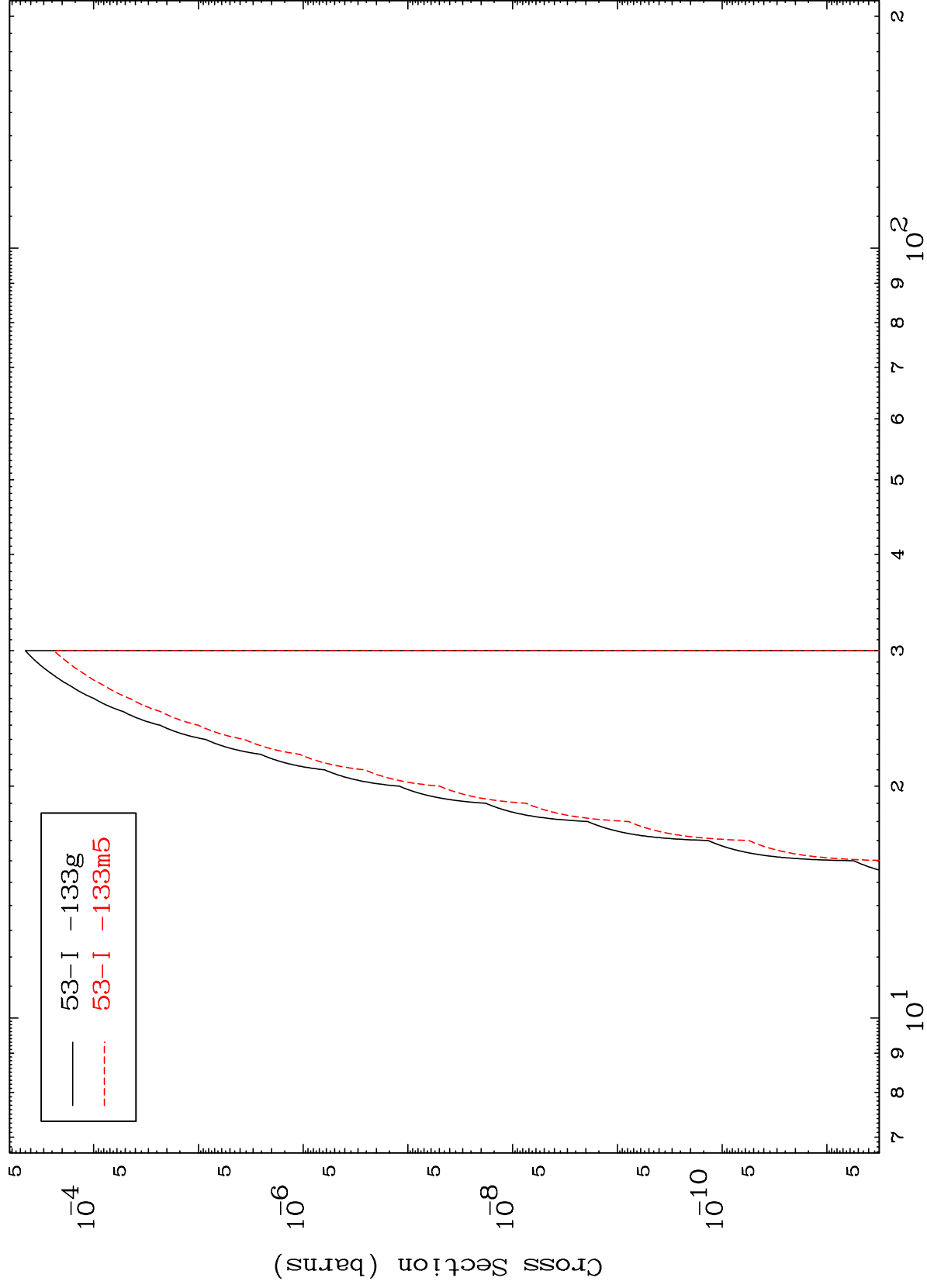
55-Cs-135

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(n,He-3)

55-Cs-135

Radionuclide Production Cross Section



31

Incident Energy (MeV)

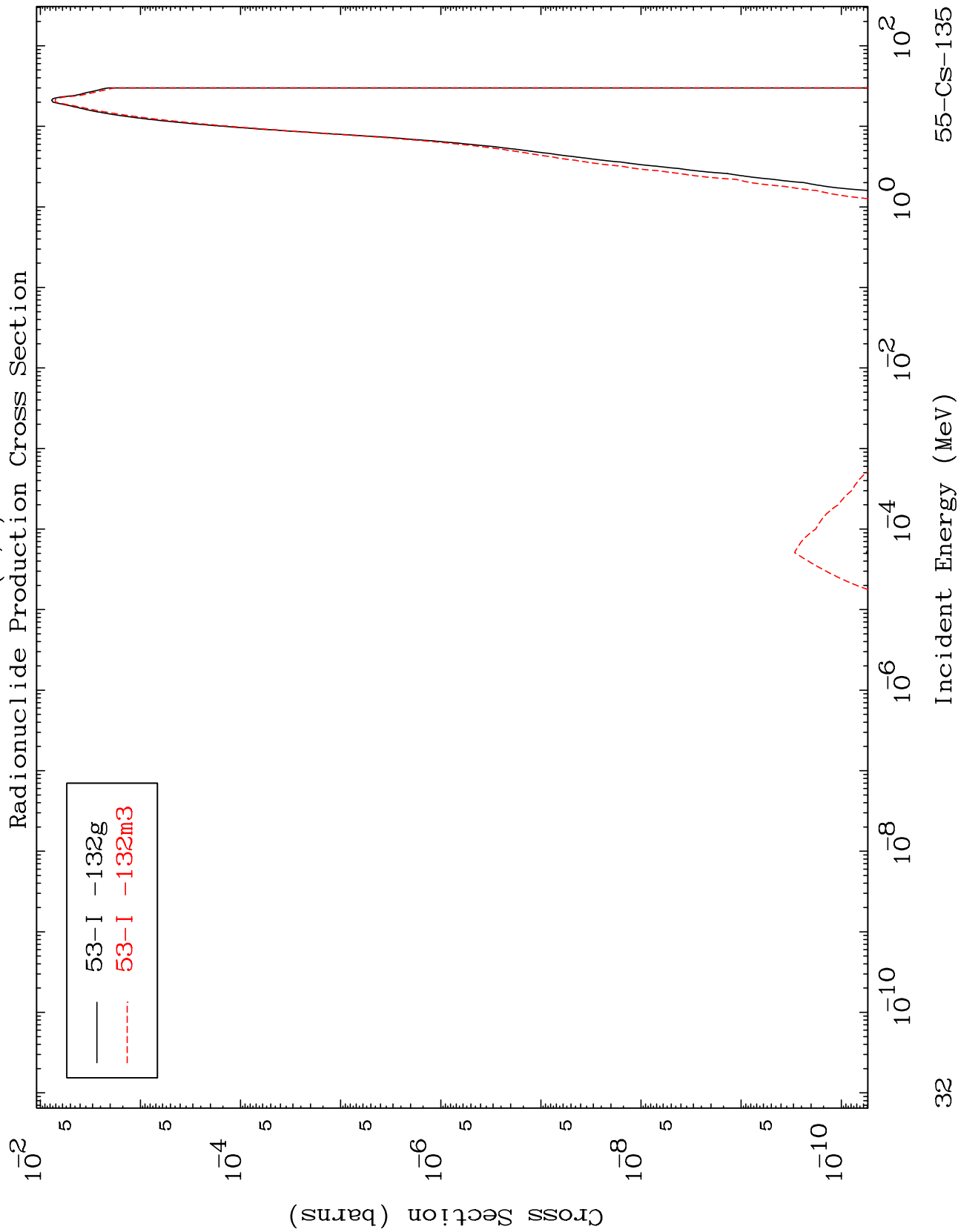
55-Cs-135



MAT 5532

55-Cs-135

(n,  $\alpha$ )  
Radionuclide Production Cross Section

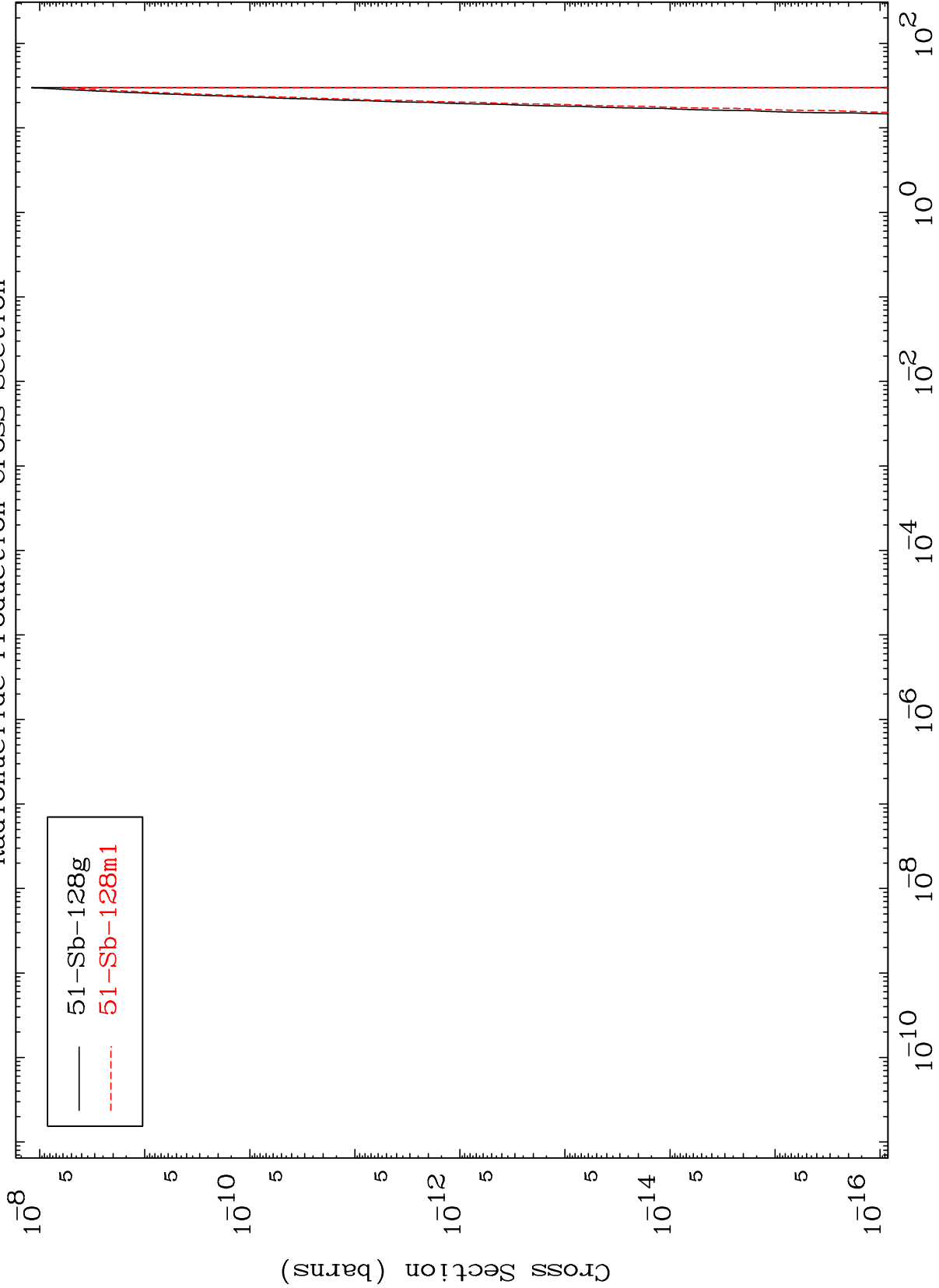


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(n,2α)

55-Cs-135

Radionuclide Production Cross Section



33

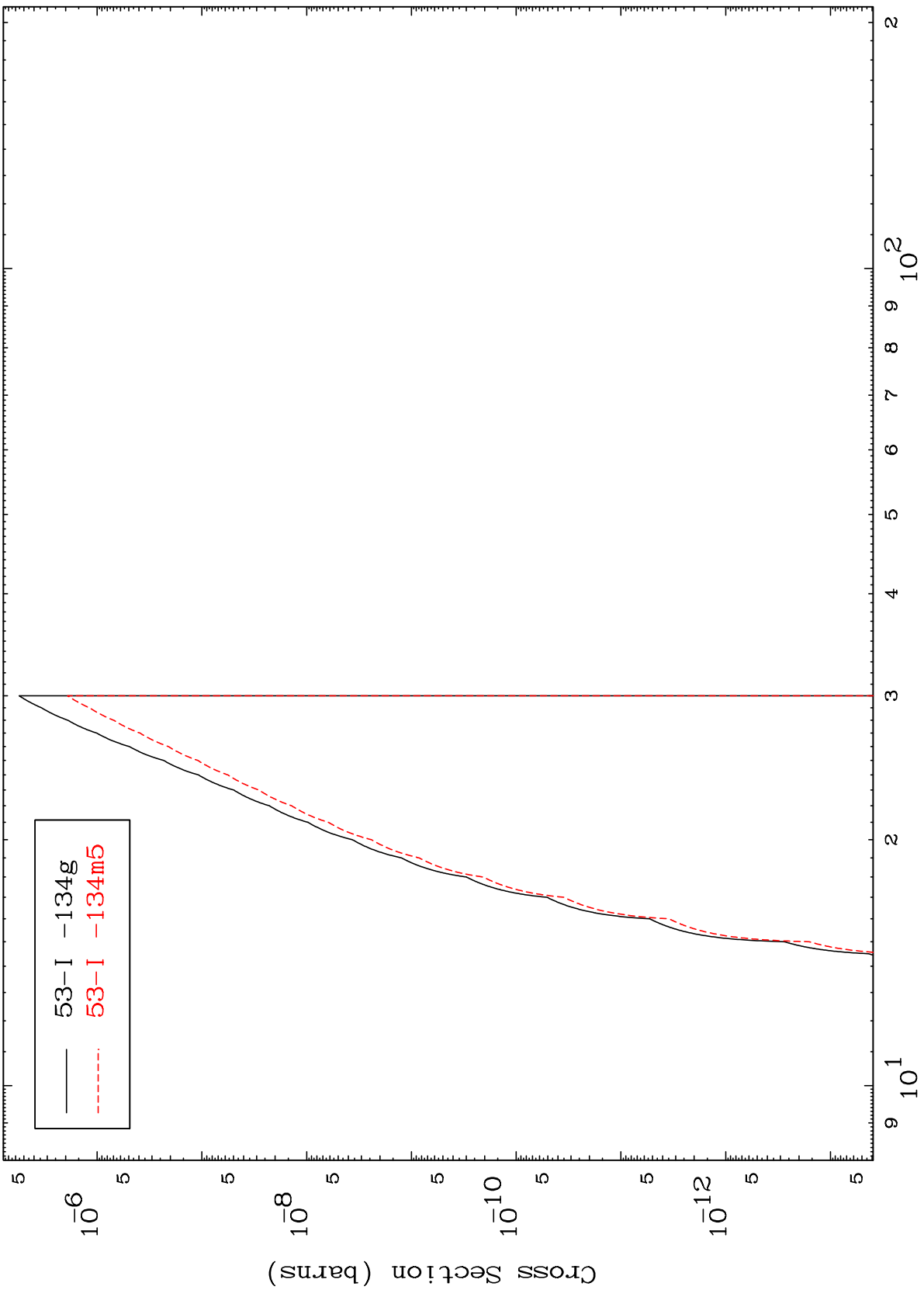
Incident Energy (MeV)

55-Cs-135

MAT 5532

55-Cs-135

(n,2p)  
Radionuclide Production Cross Section



53-I-134g  
53-I-134m5

55-Cs-135

Incident Energy (MeV)

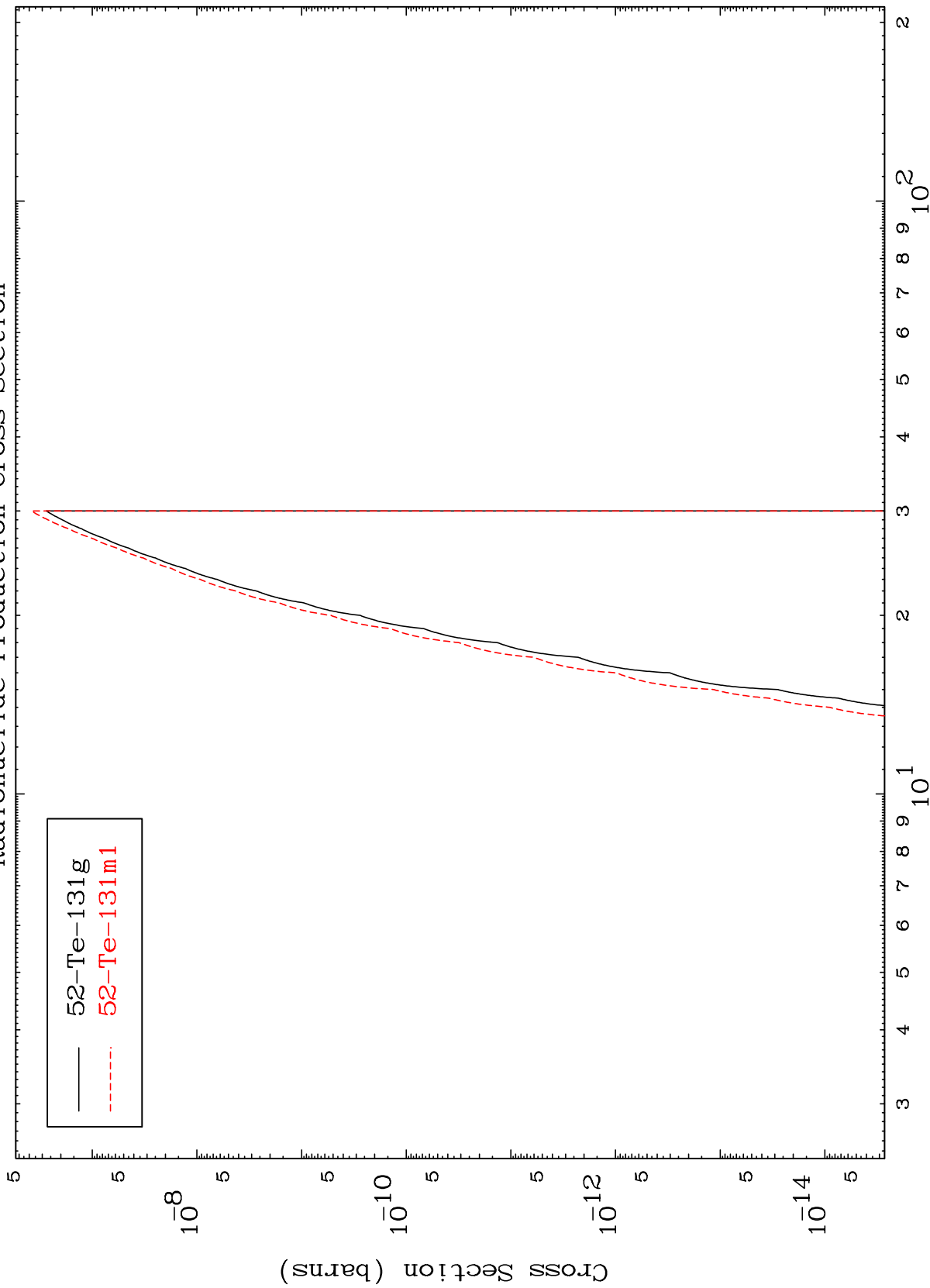
34

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55-Cs-135

(n,p)  $\alpha$

Radionuclide Production Cross Section



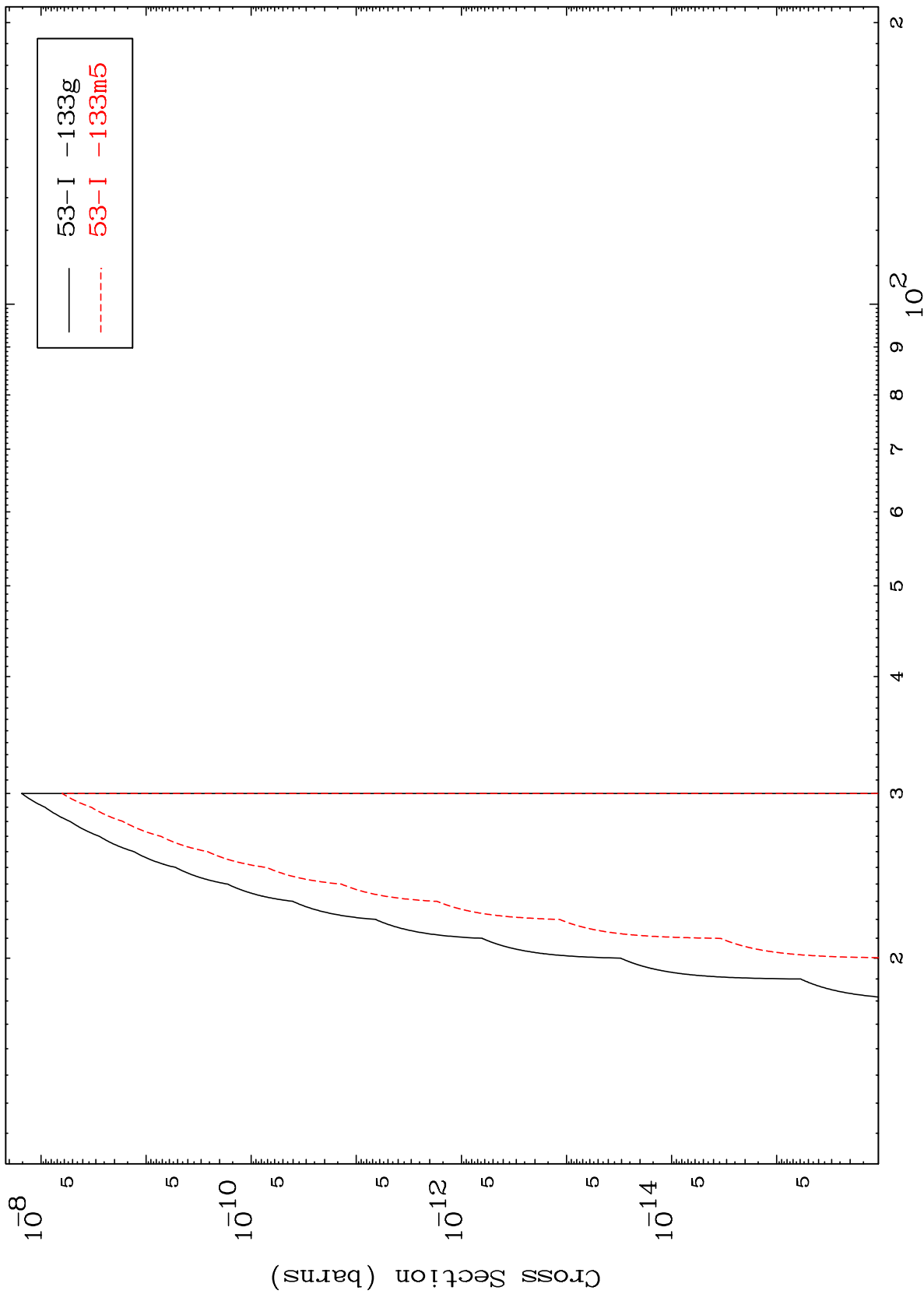
— 52-Te-131g  
- - - 52-Te-131m1

55-Cs-135

Incident Energy (MeV)

35

Radionuclide Production Cross Section

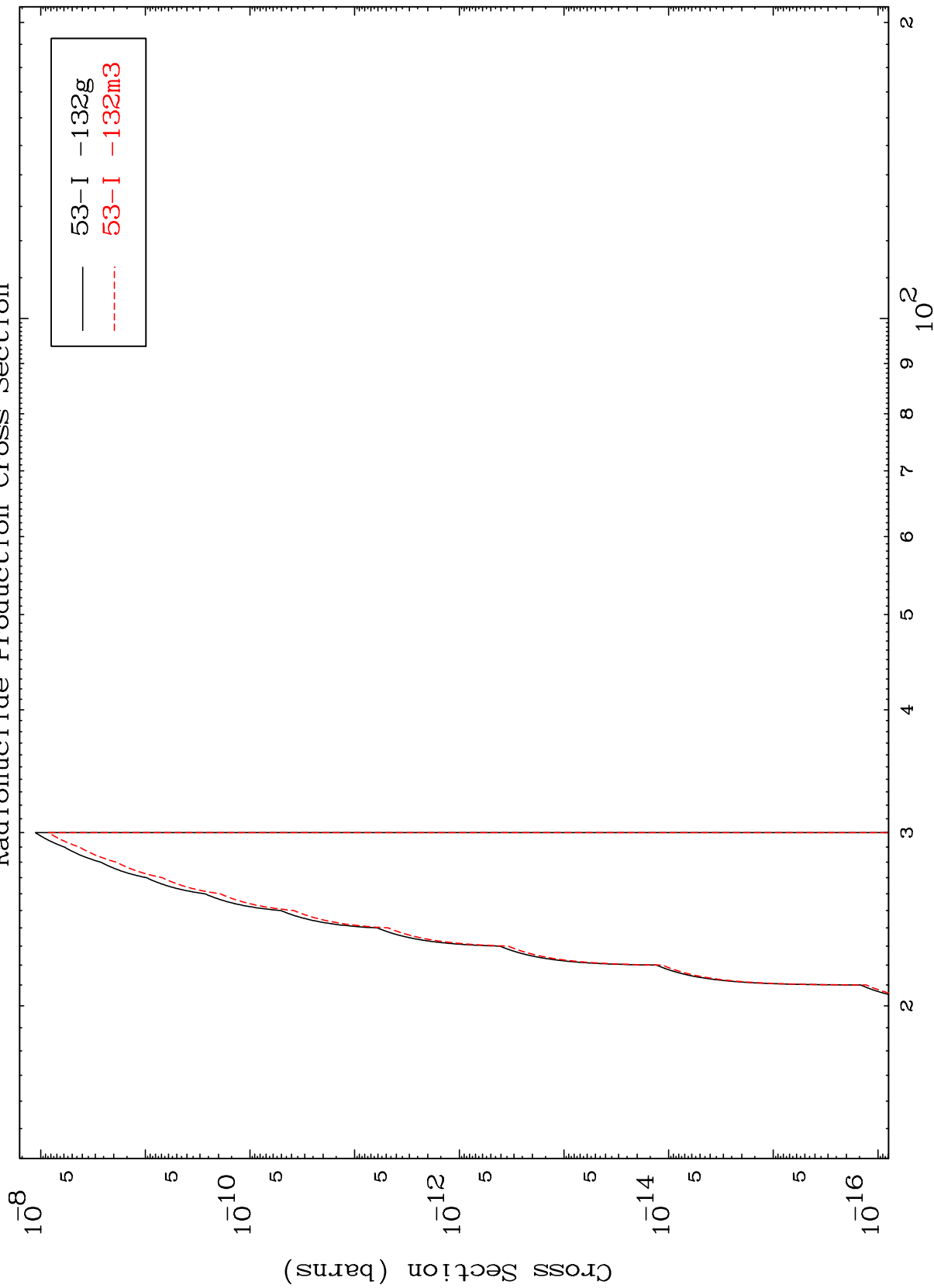


MAT 5532

(n,p) t

55-Cs-135

Radionuclide Production Cross Section



37

Incident Energy (MeV)

55-Cs-135