

Program EVALPLOT
(Version 2017-1)

by

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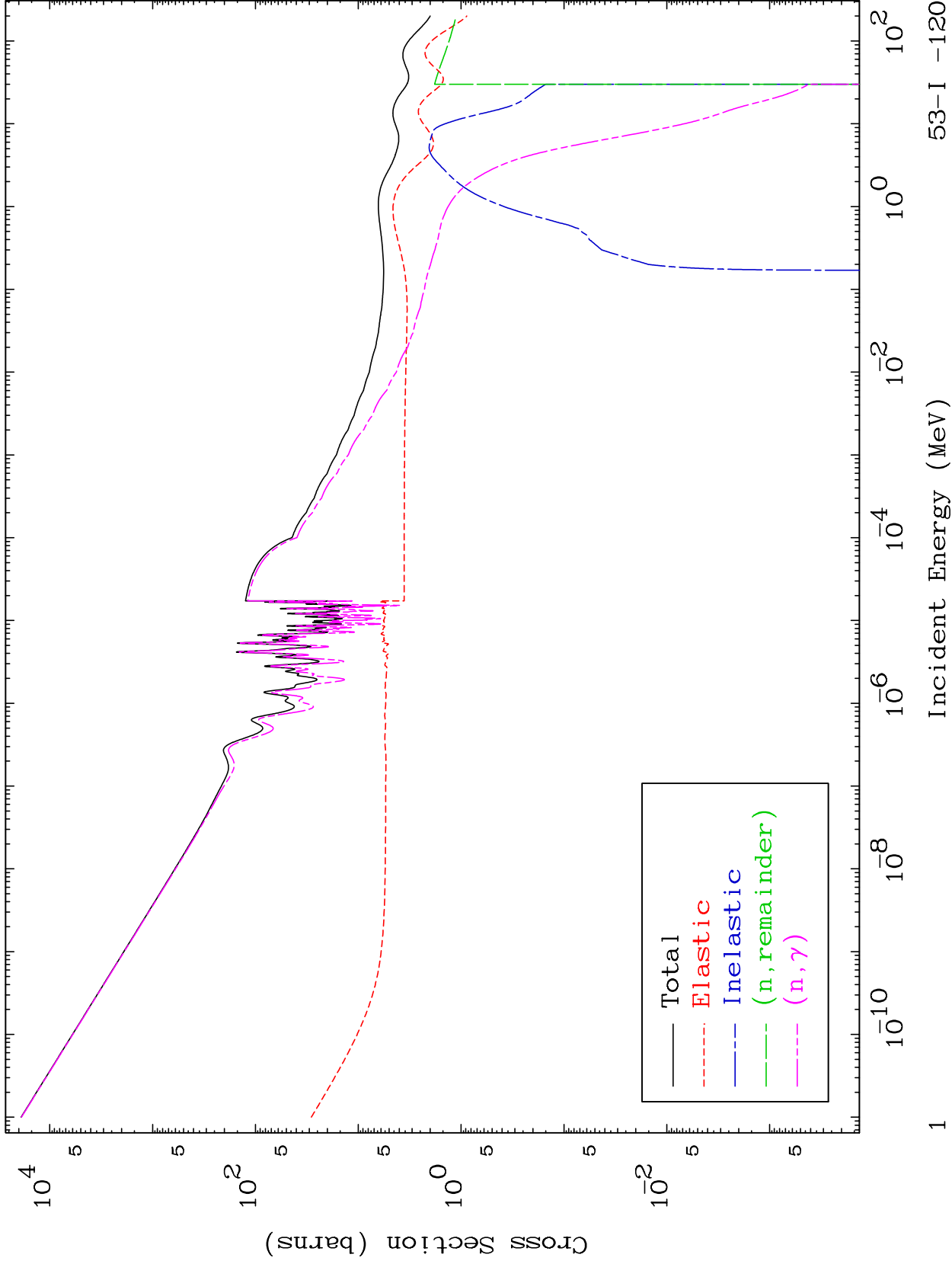
Press Mouse Button to Start

MAT 5305

Major

293 Kelvin Cross Sections

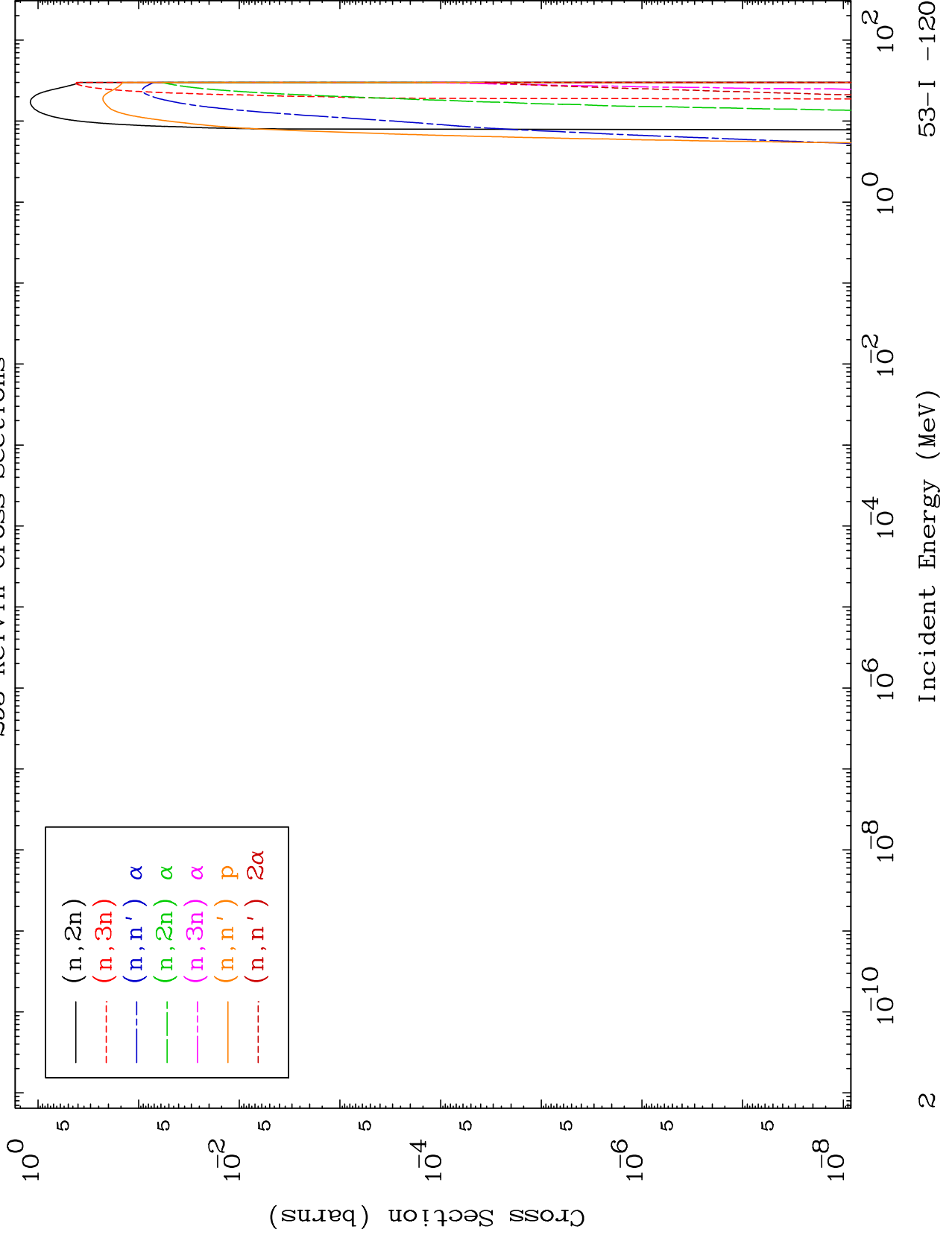
53-I -120

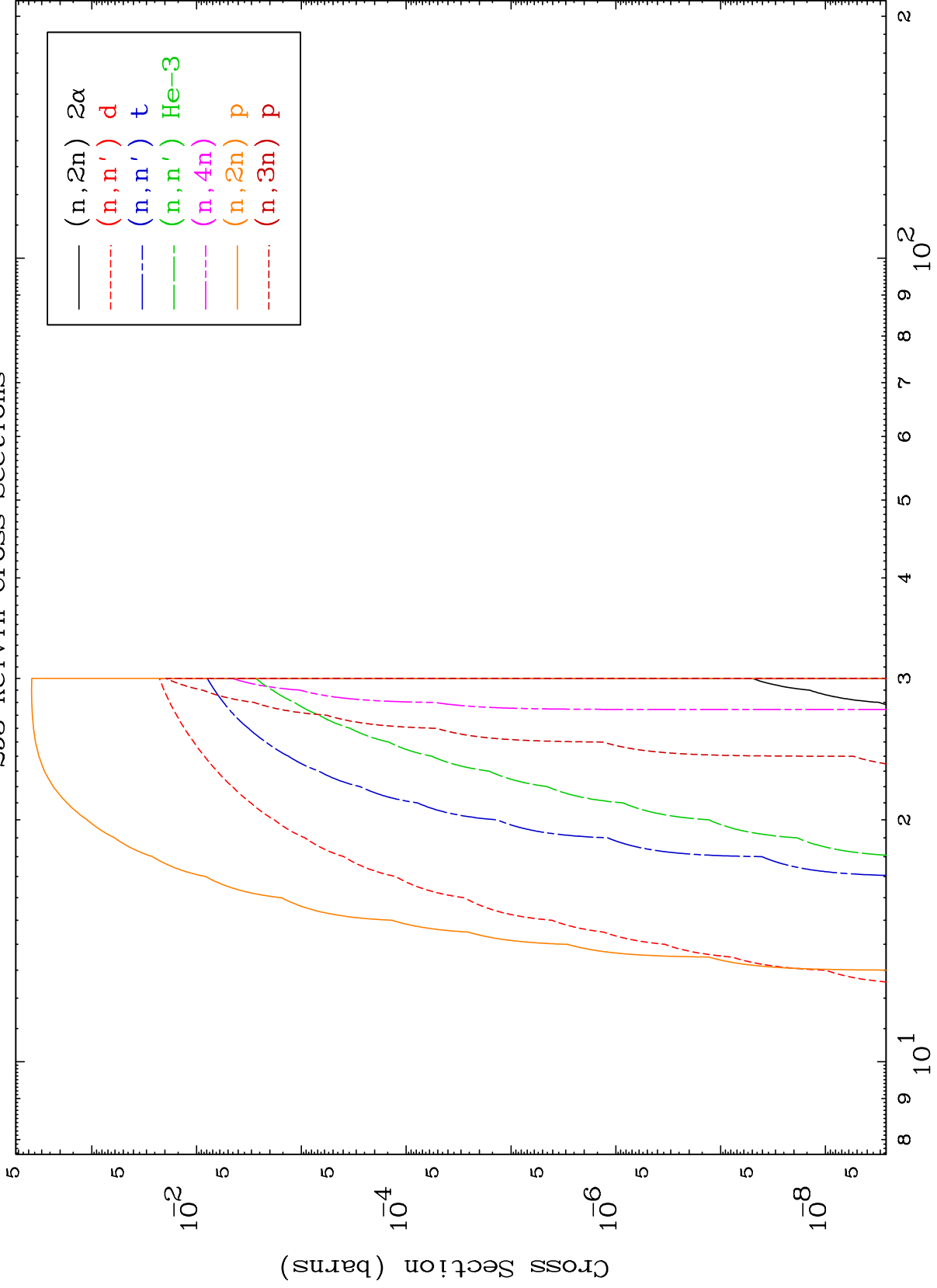


MAT 5305

Neutron Production
293 Kelvin Cross Sections

53-I -120

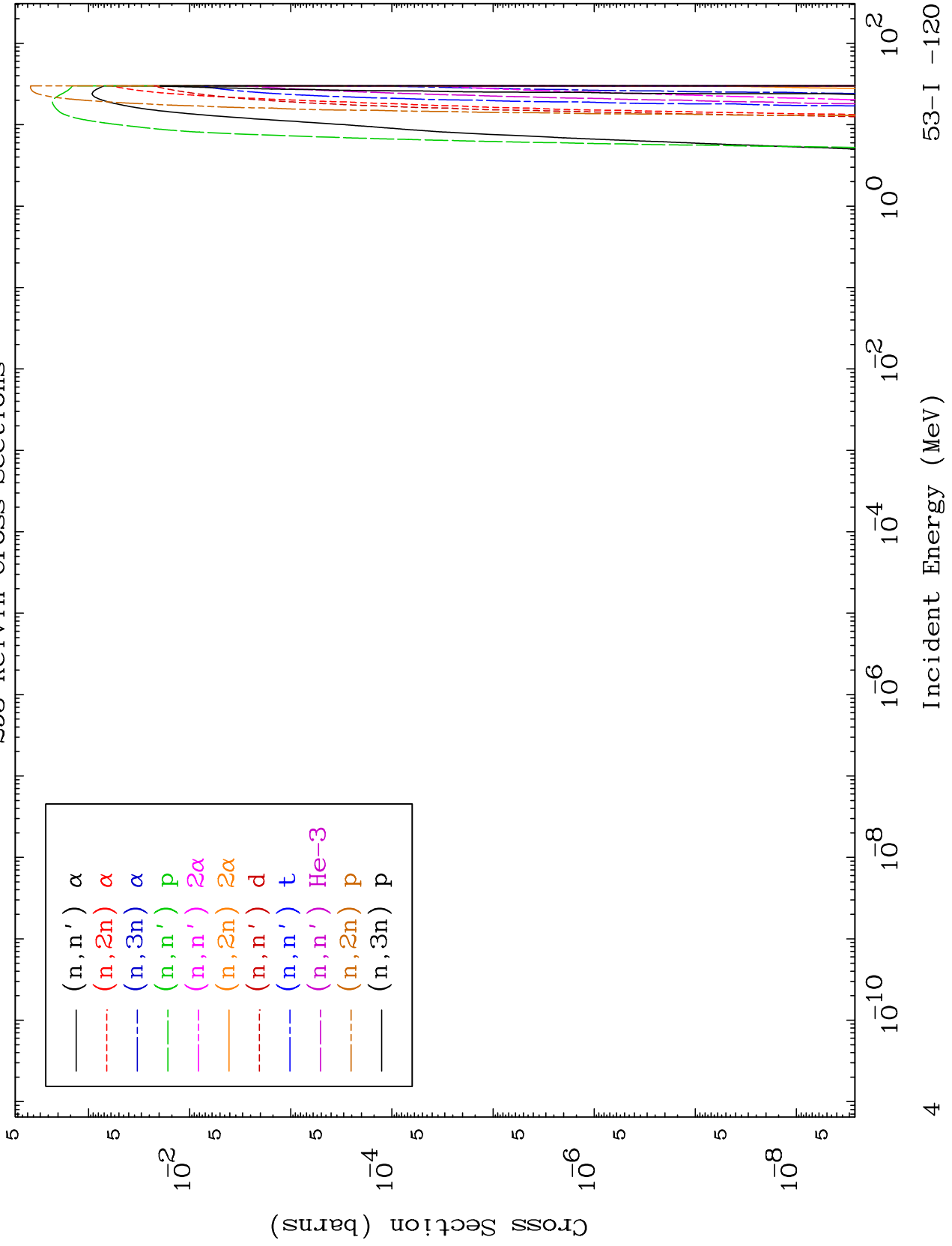




MAT 5305

Charged Particle
293 Kelvin Cross Sections

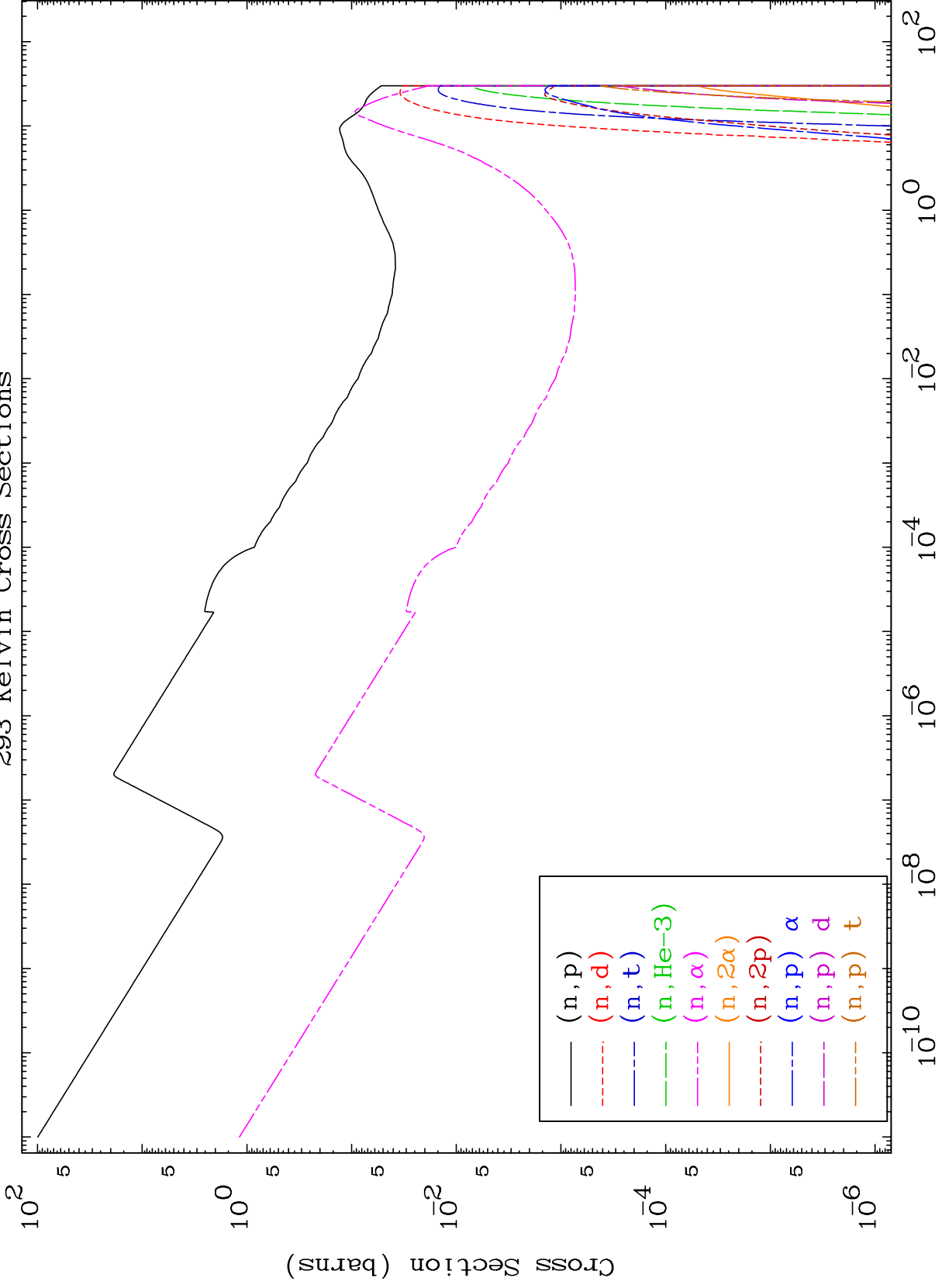
53-I -120



MAT 5305

Charged Particle
293 Kelvin Cross Sections

53-I -120



5

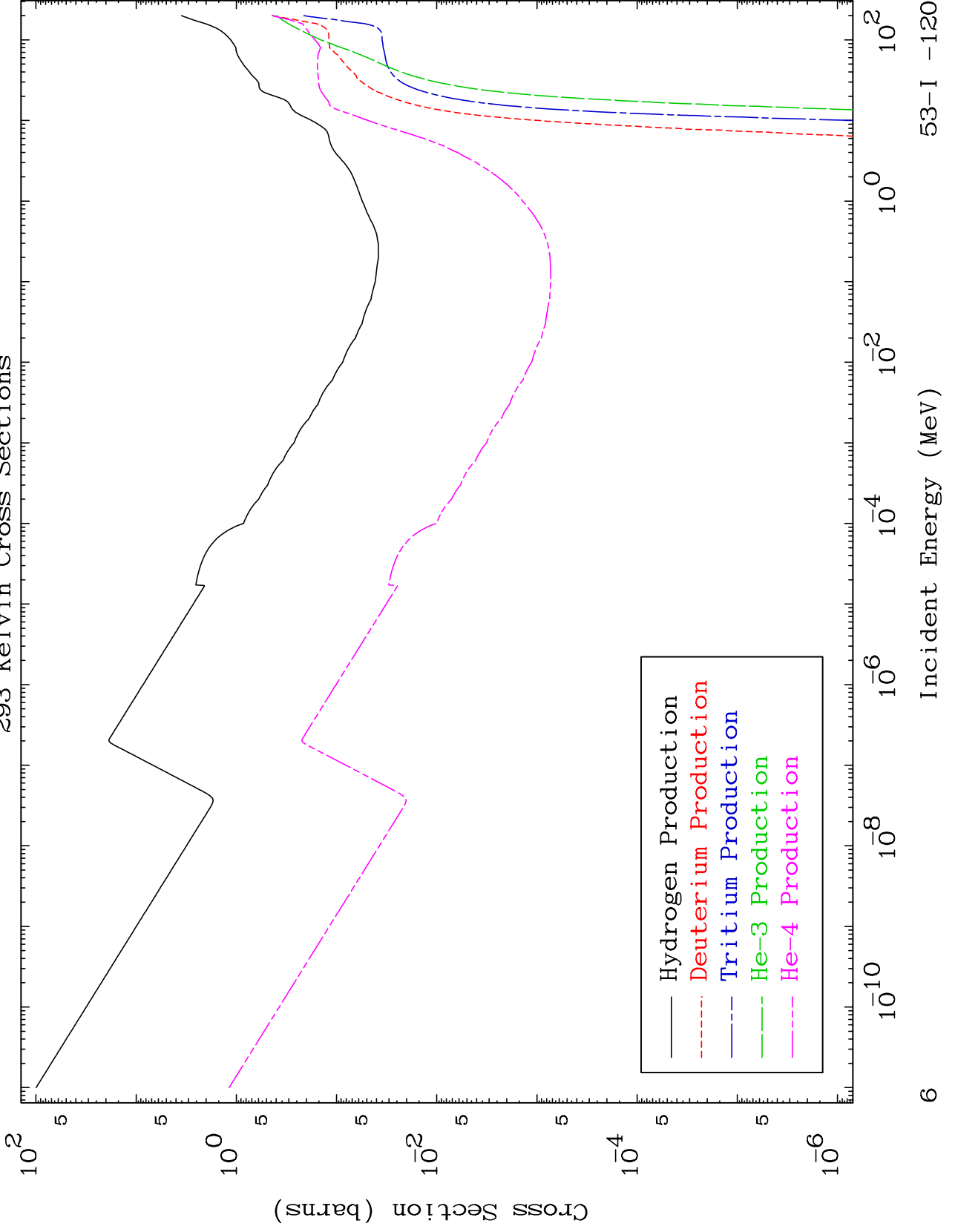
Incident Energy (MeV)

53-I -120

MAT 5305

Particle Production
293 Kelvin Cross Sections

53-I -120

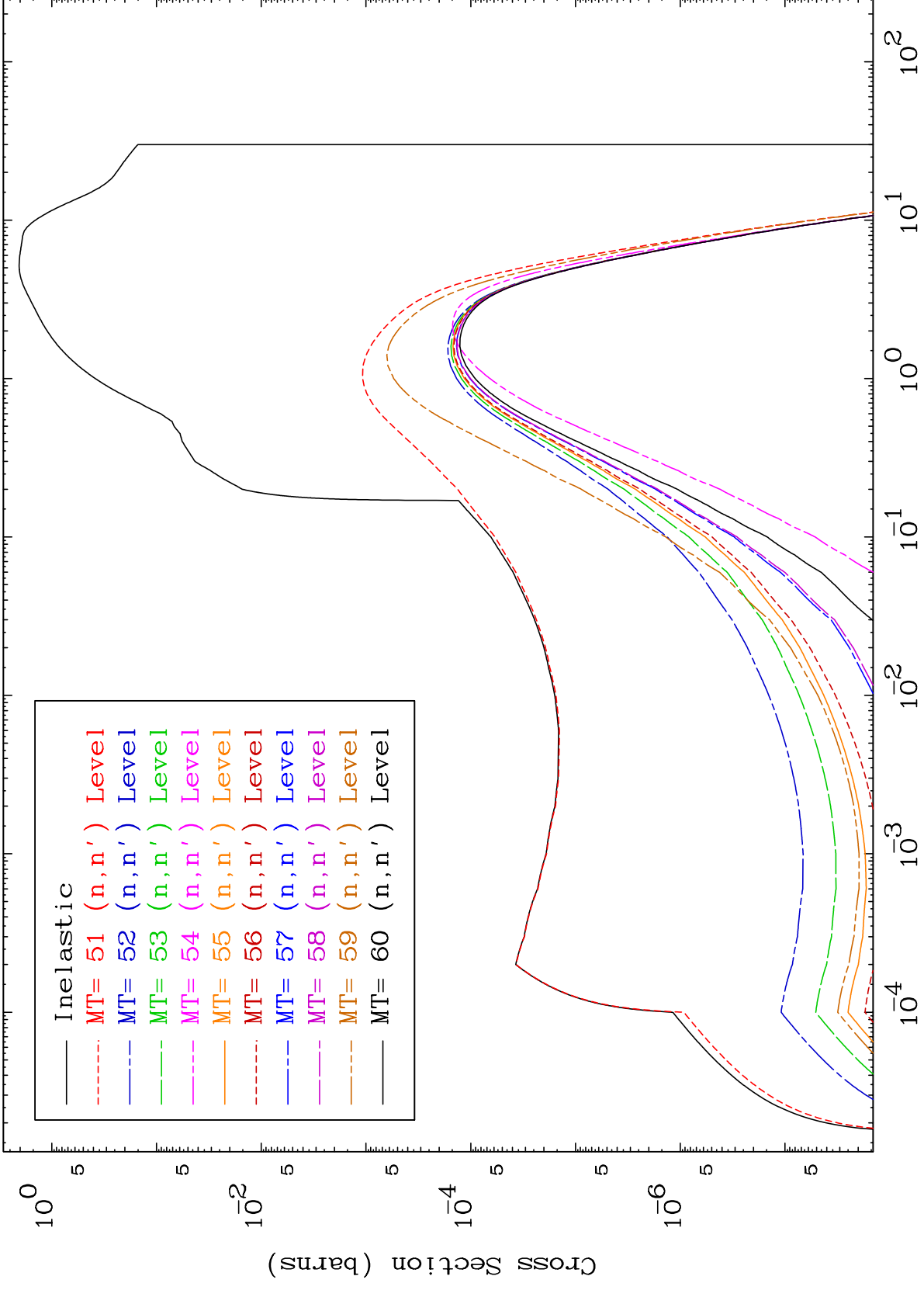


MAT 5305

(n,n') Level

53-I -120

293 Kelvin Cross Sections

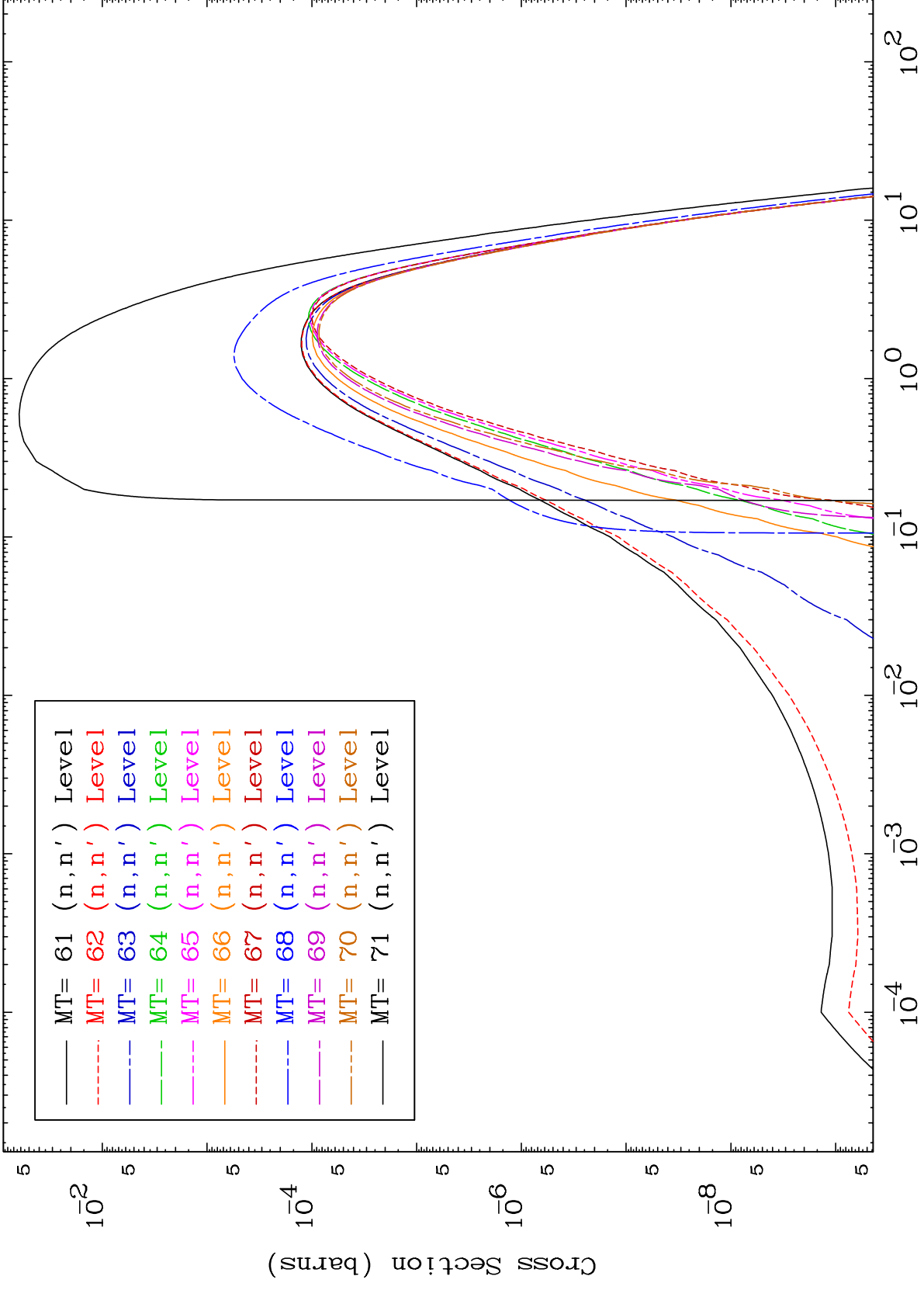


MAT 5305

(n,n') Level

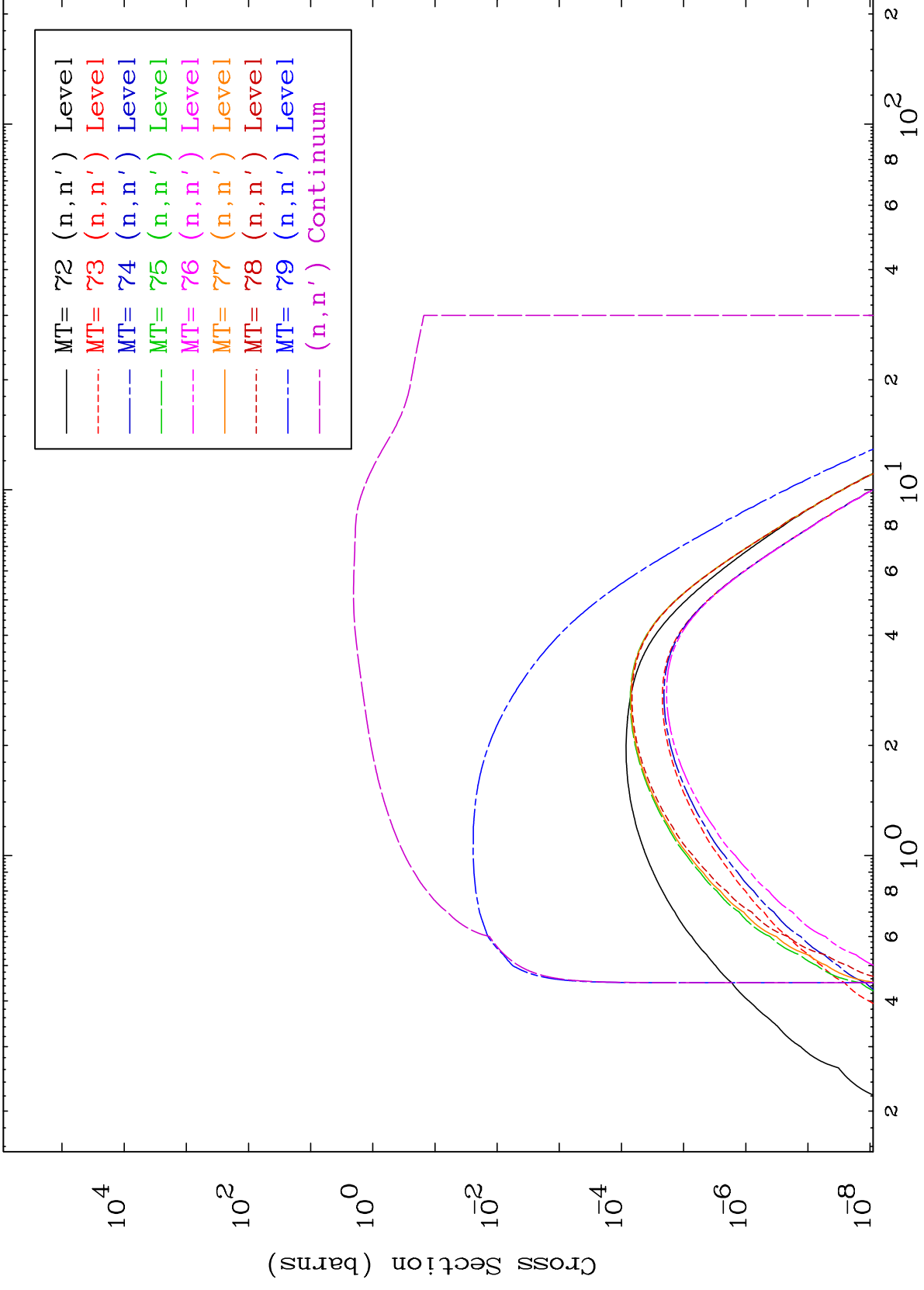
53-I -120

293 Kelvin Cross Sections



MT=	(n, n')	Level
—	61	(n, n')
- - -	62	(n, n')
- · - ·	63	(n, n')
- - -	64	(n, n')
- · - ·	65	(n, n')
- - -	66	(n, n')
- · - ·	67	(n, n')
- - -	68	(n, n')
- · - ·	69	(n, n')
- - -	70	(n, n')
- · - ·	71	(n, n')

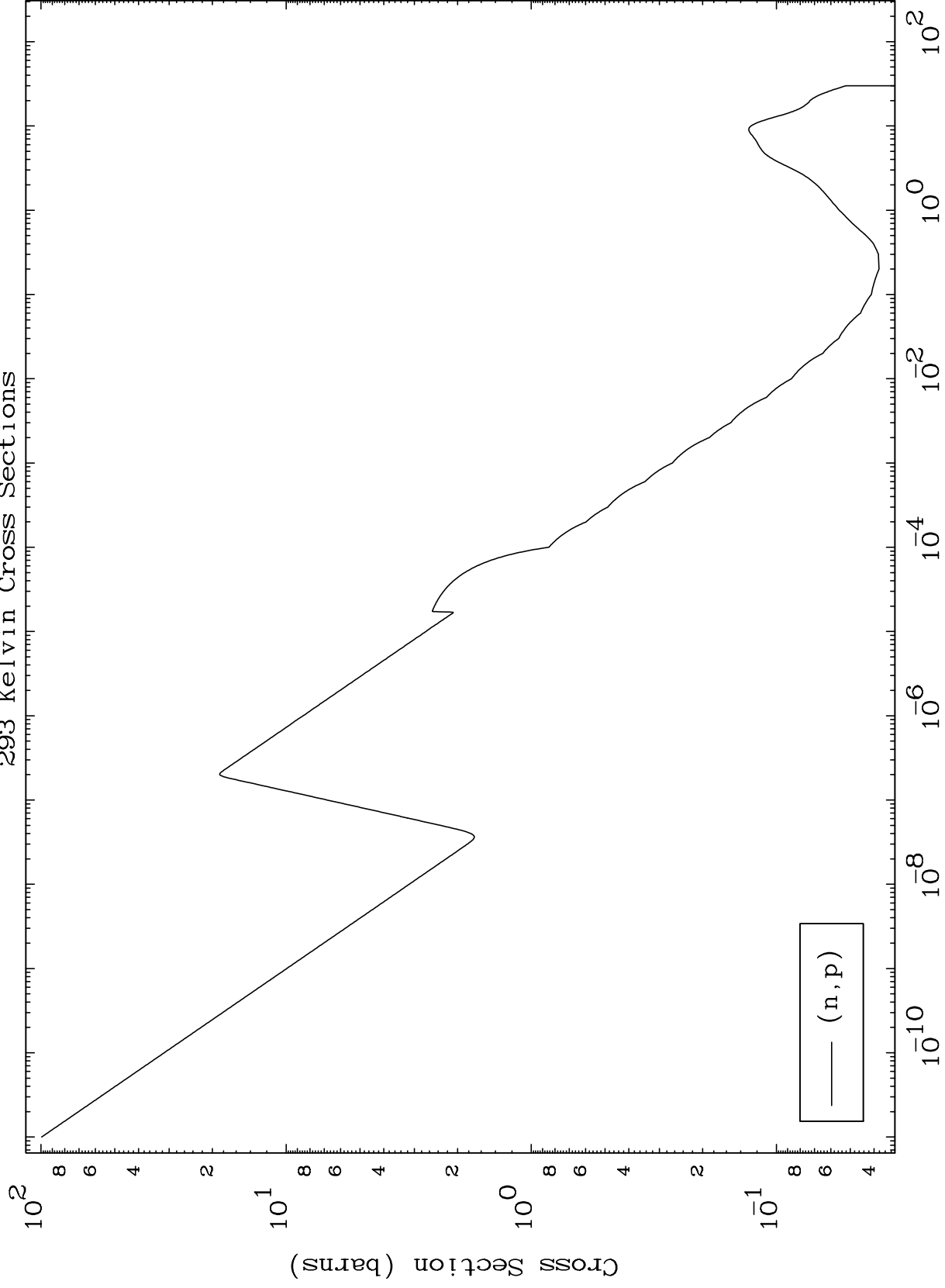
293 Kelvin Cross Sections



MAT 5305

(n,p) Levels
293 Kelvin Cross Sections

53-I -120



10

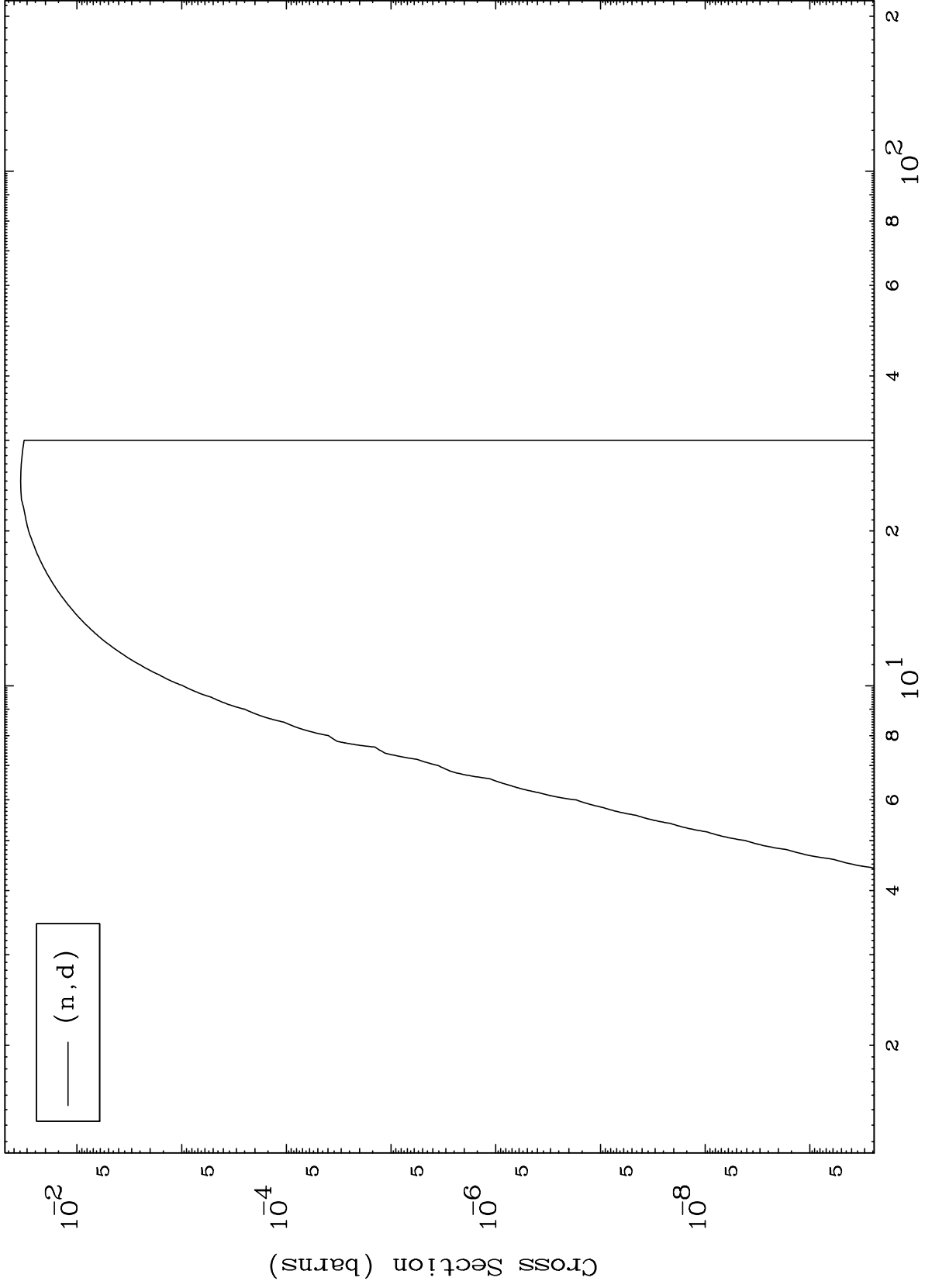
Incident Energy (MeV)

53-I -120

MAT 5305

(n,d) Levels
293 Kelvin Cross Sections

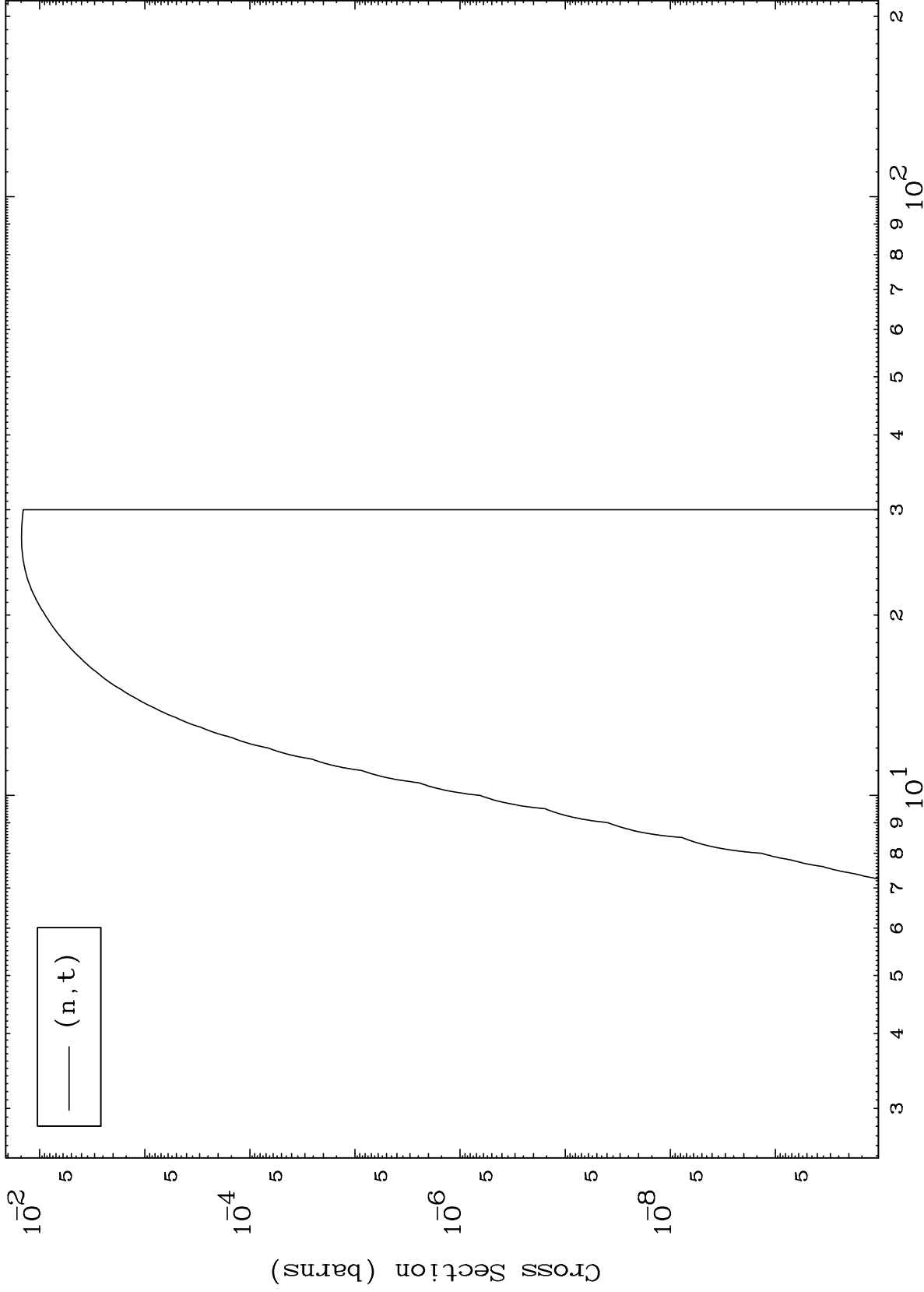
53-I -120



MAT 5305

(n,t) Levels
293 Kelvin Cross Sections

53-I -120



12

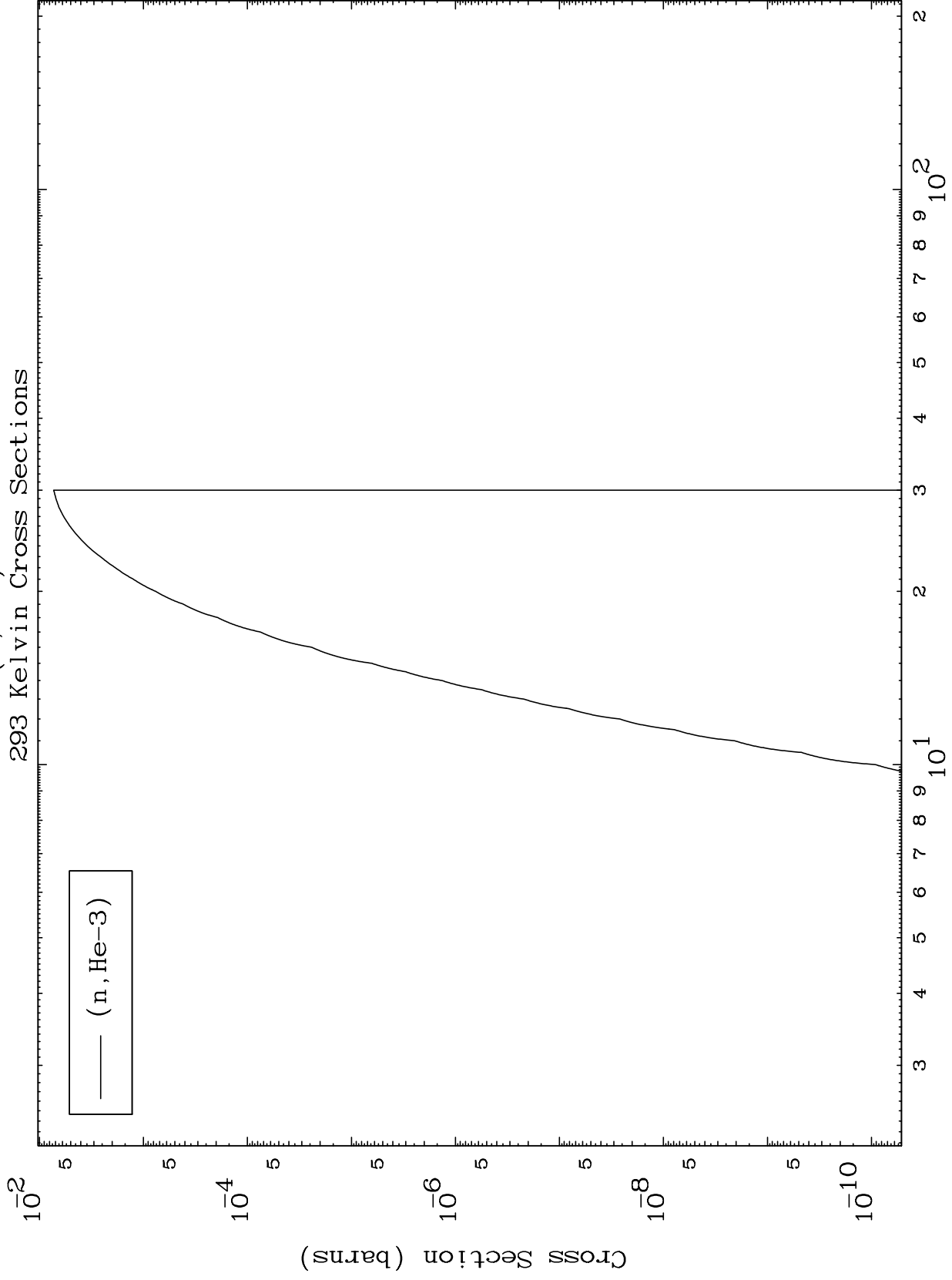
Incident Energy (MeV)

53-I -120

MAT 5305

(n,He3) Levels
293 Kelvin Cross Sections

53-I -120



13

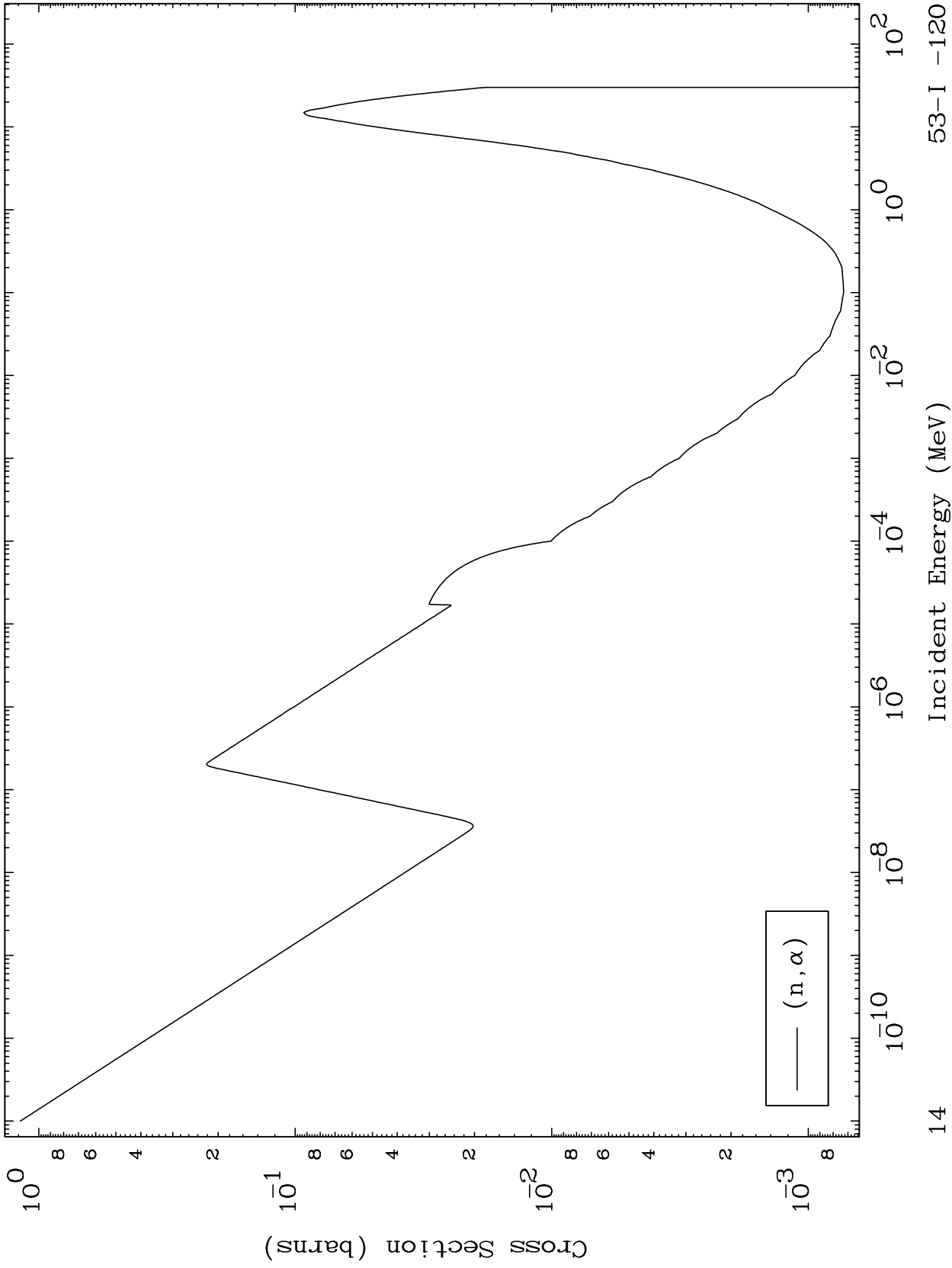
Incident Energy (MeV)

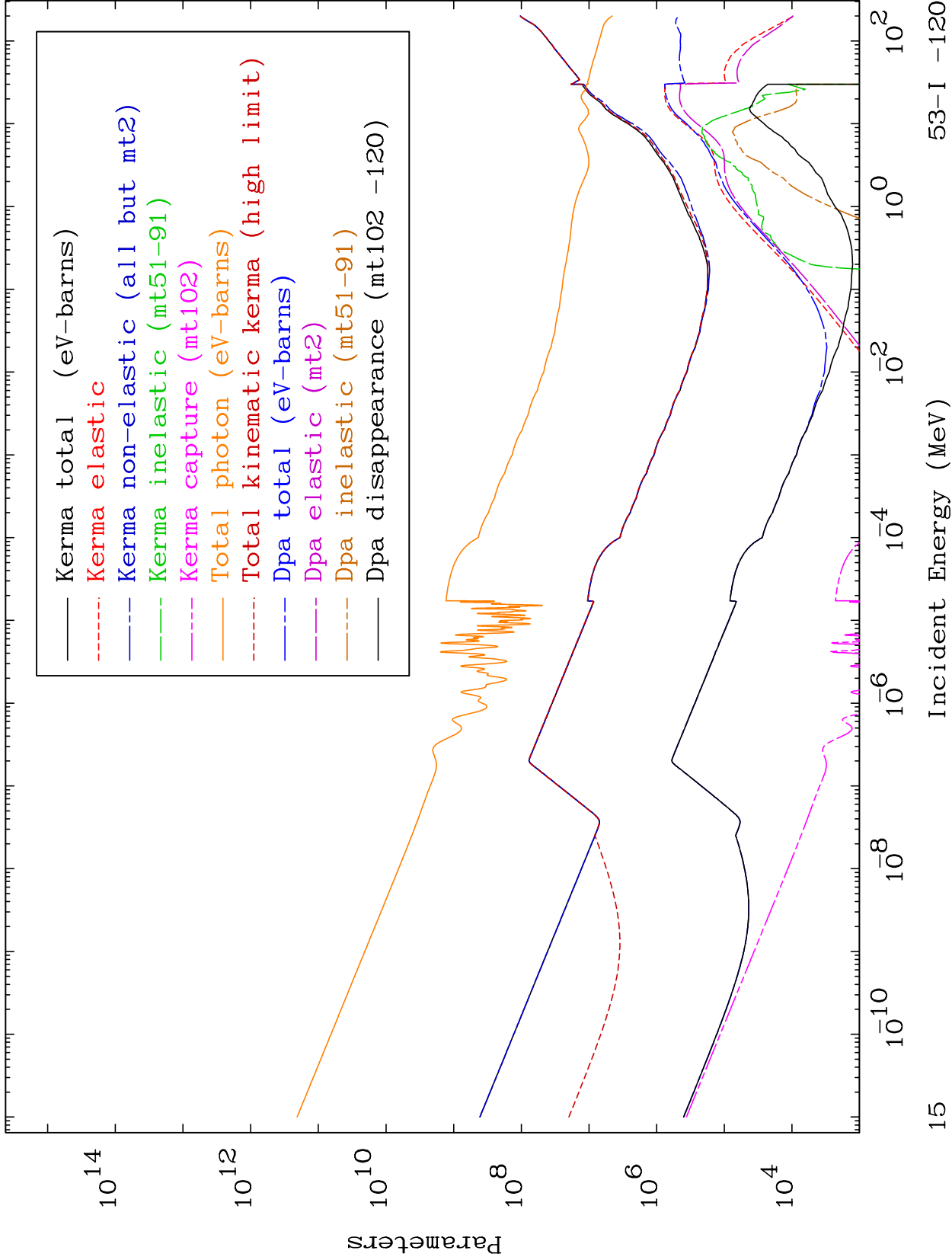
53-I -120

MAT 5305

(n,α) Levels
293 Kelvin Cross Sections

53-I -120

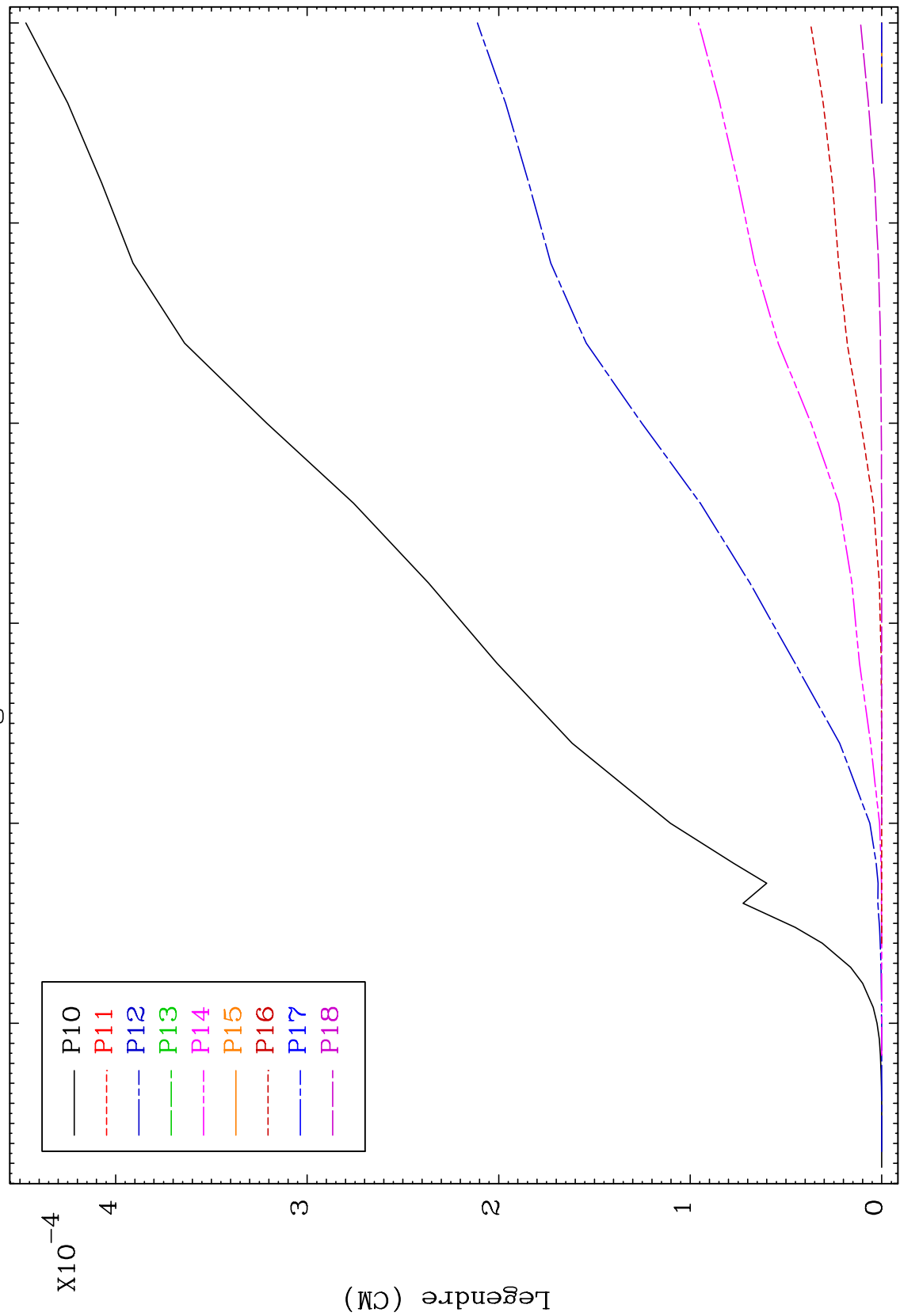




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Elastic Legendre Coefficients

53-I -120



17

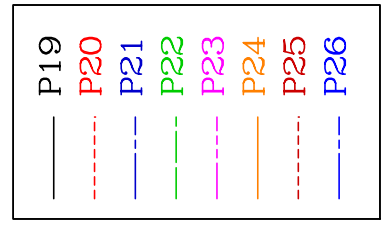
Incident Energy (MeV)

53-I -120

MAT 5305

Elastic Legendre Coefficients

53-I -120



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

25

30

18

Incident Energy (MeV)

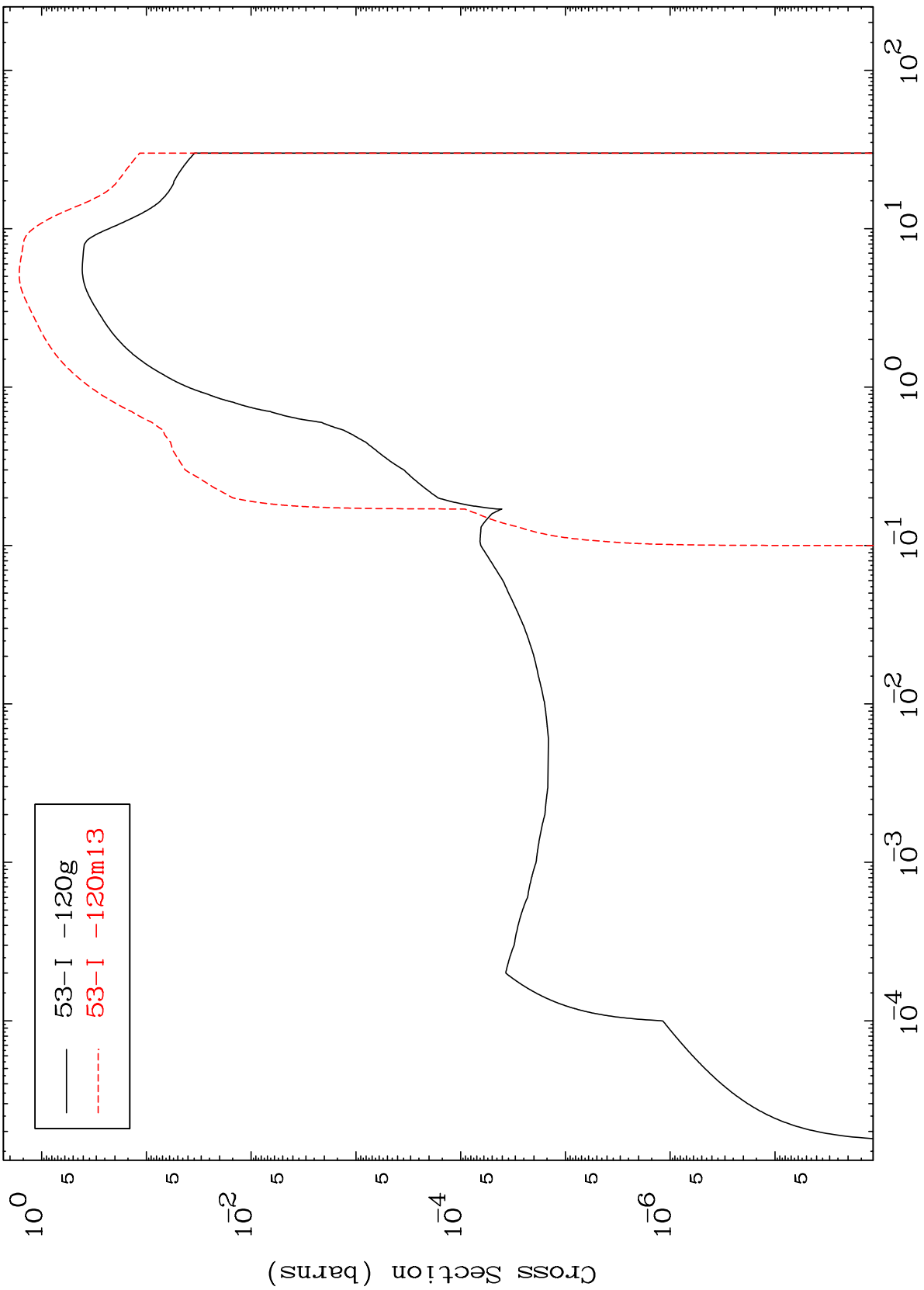
53-I -120



MAT 5305

53-I -120

Inelastic
Radionuclide Production Cross Section



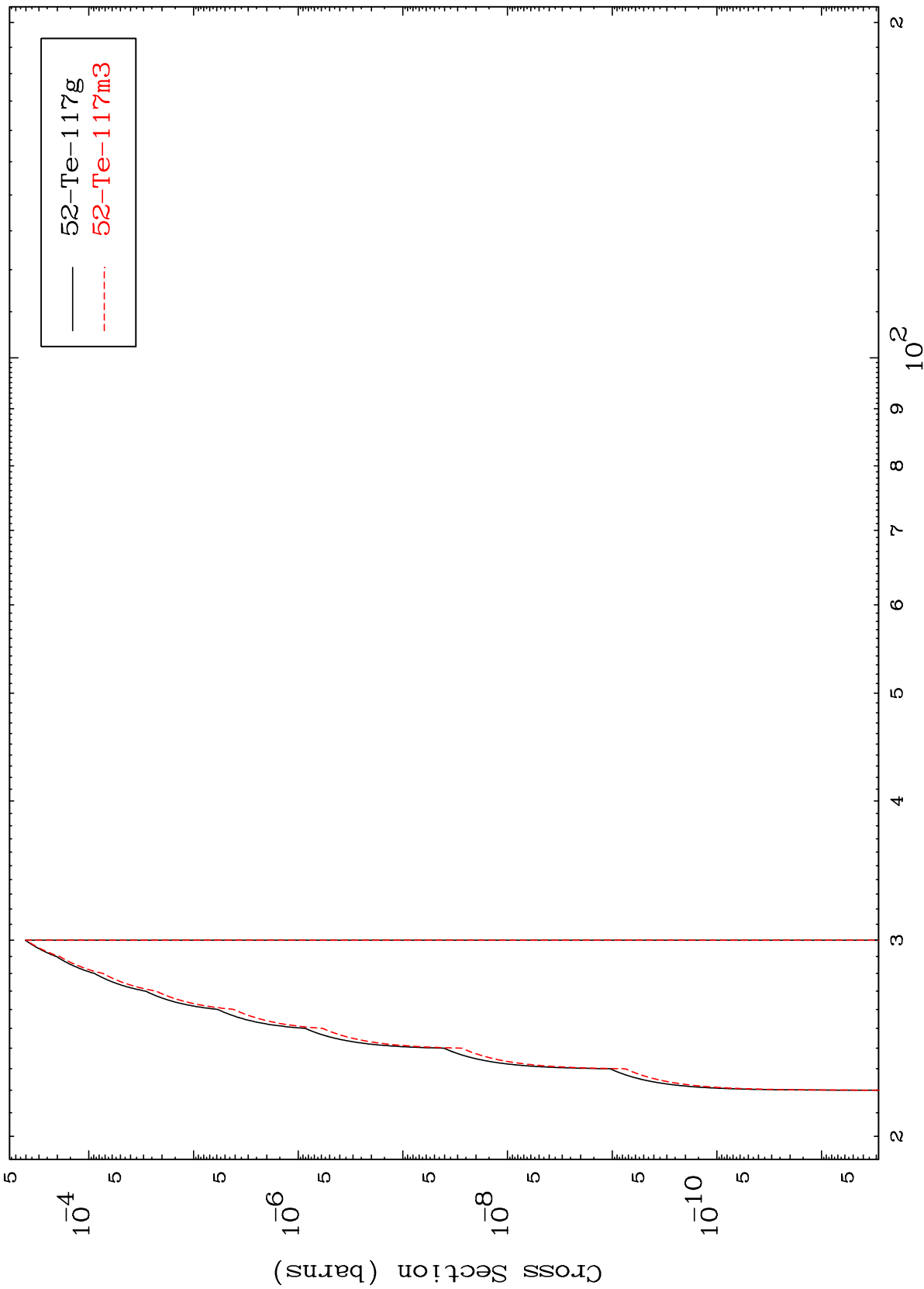
— 53-I -120g
- - - 53-I -120m13

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(n,2n) d

53-I -120

Radionuclide Production Cross Section



20

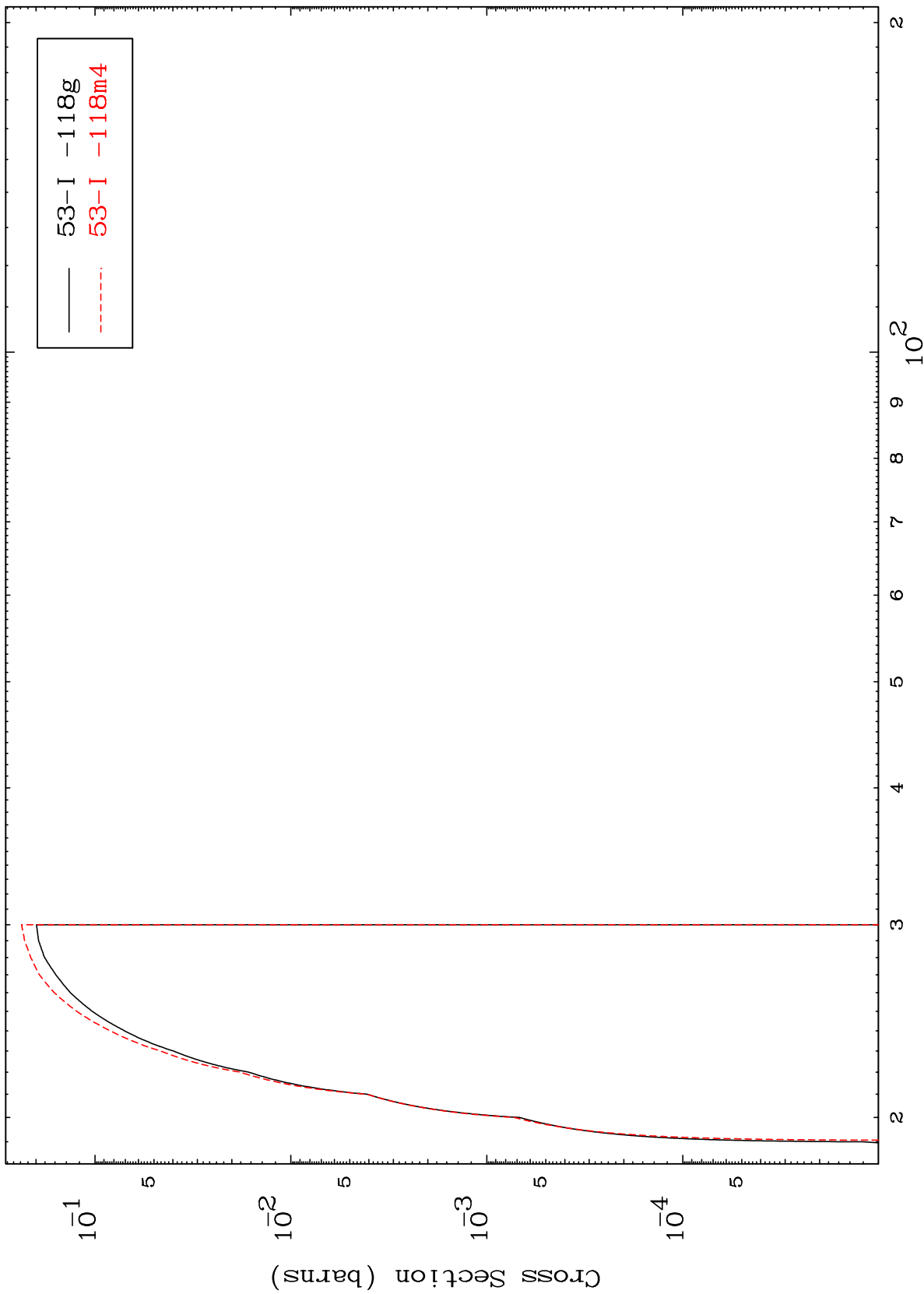
Incident Energy (MeV)

53-I -120

MAT 5305

53-I -120

(n,3n)
Radionuclide Production Cross Section



53-I -120

Incident Energy (MeV)

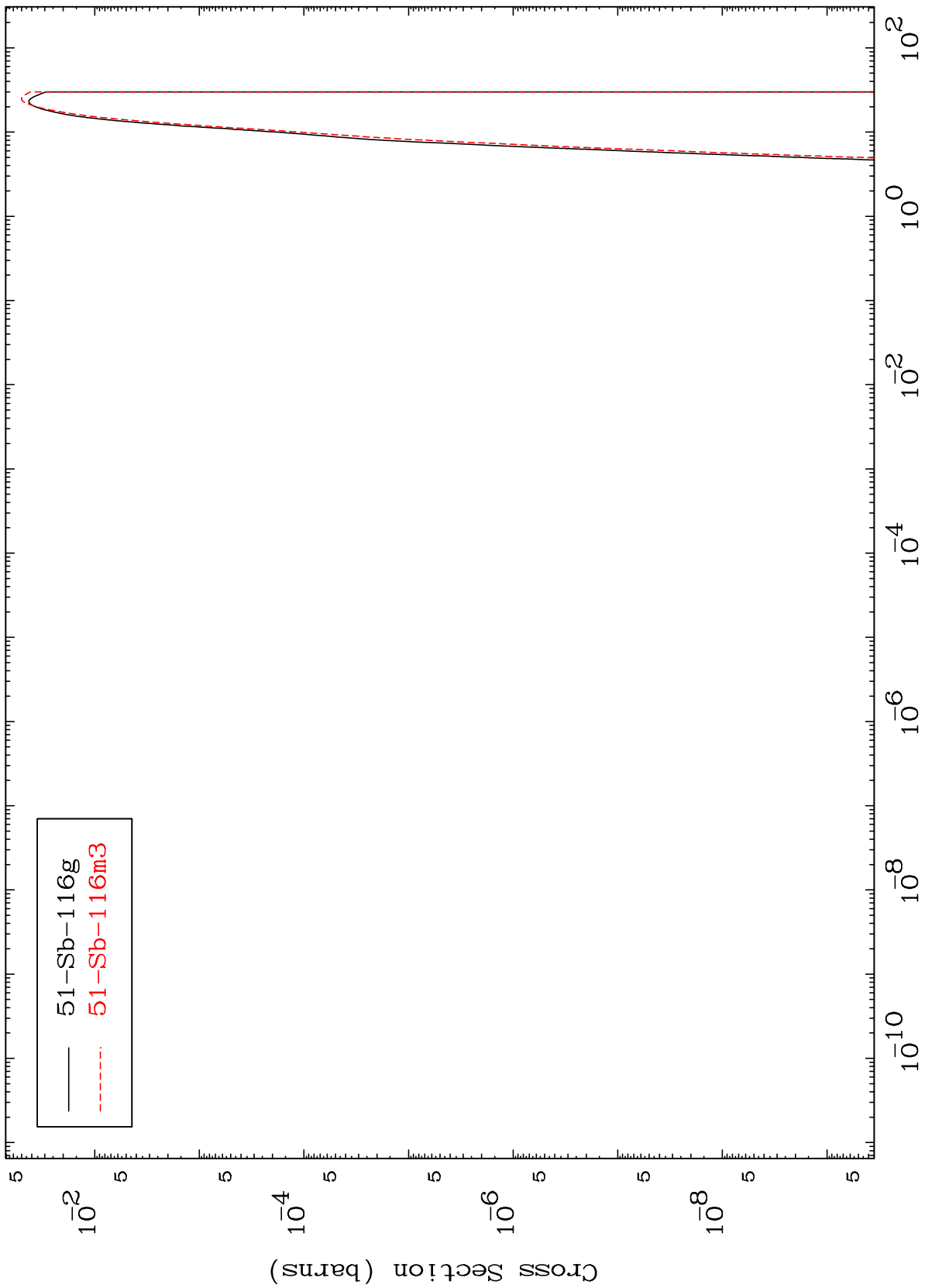
21

MAT 5305

(n,n') α

53-I -120

Radionuclide Production Cross Section



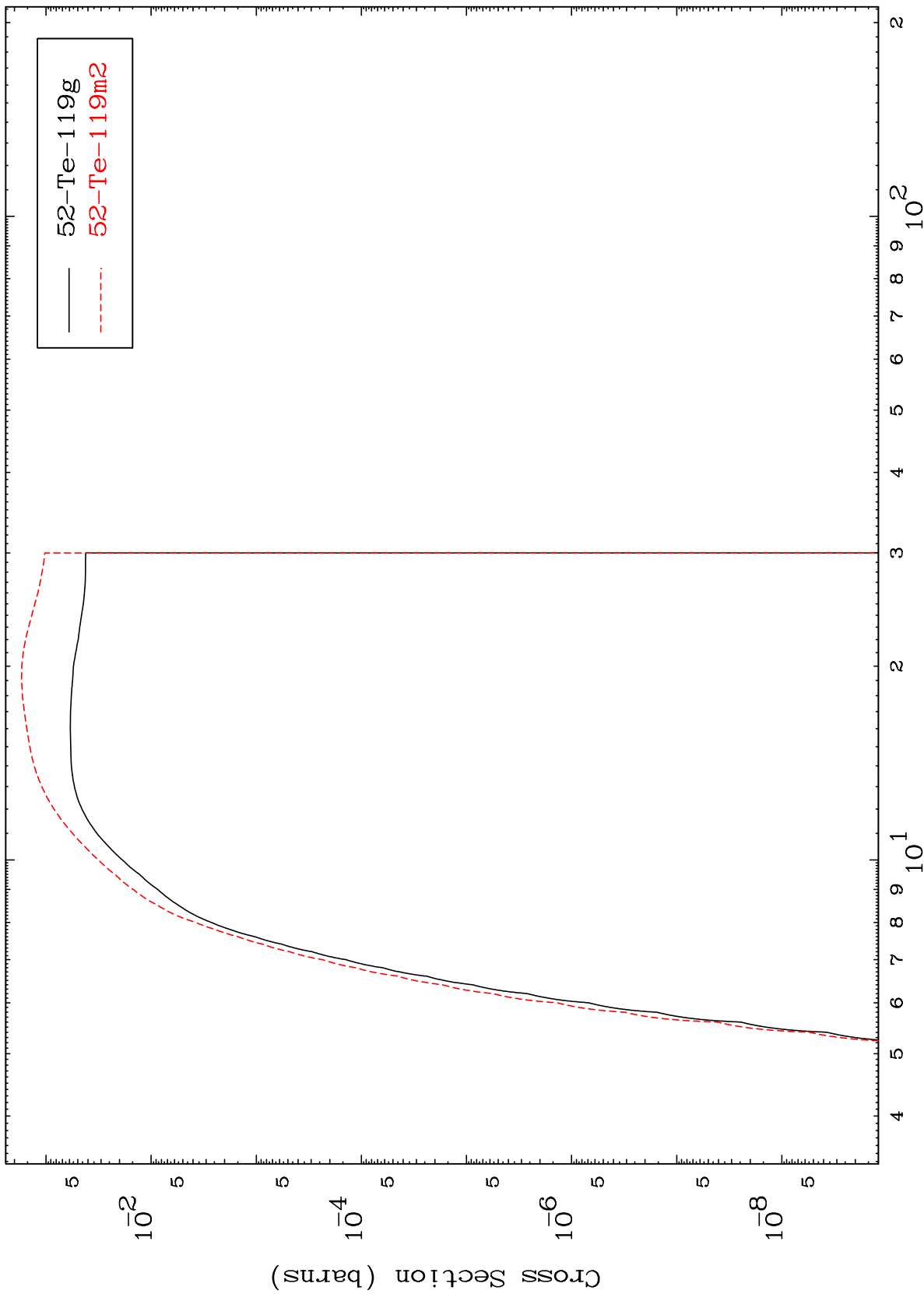
51-Sb-116g
51-Sb-116m3

Incident Energy (MeV)

53-I -120

22

(n, n') p
Radionuclide Production Cross Section

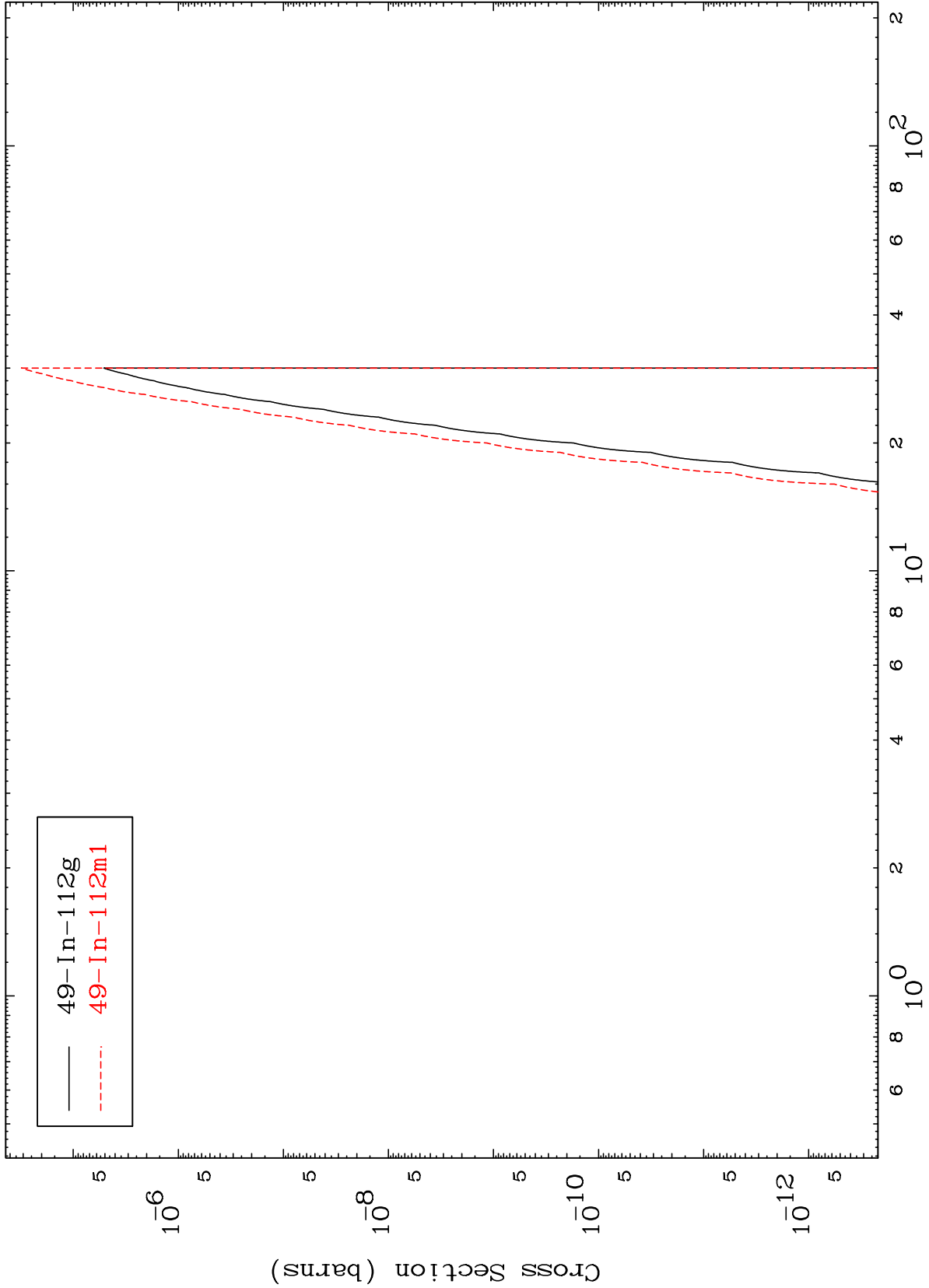
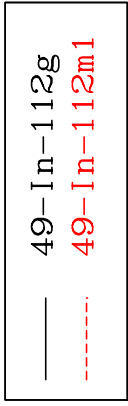


MAT 5305

(n,n') 2α

53-I -120

Radionuclide Production Cross Section



24

Incident Energy (MeV)

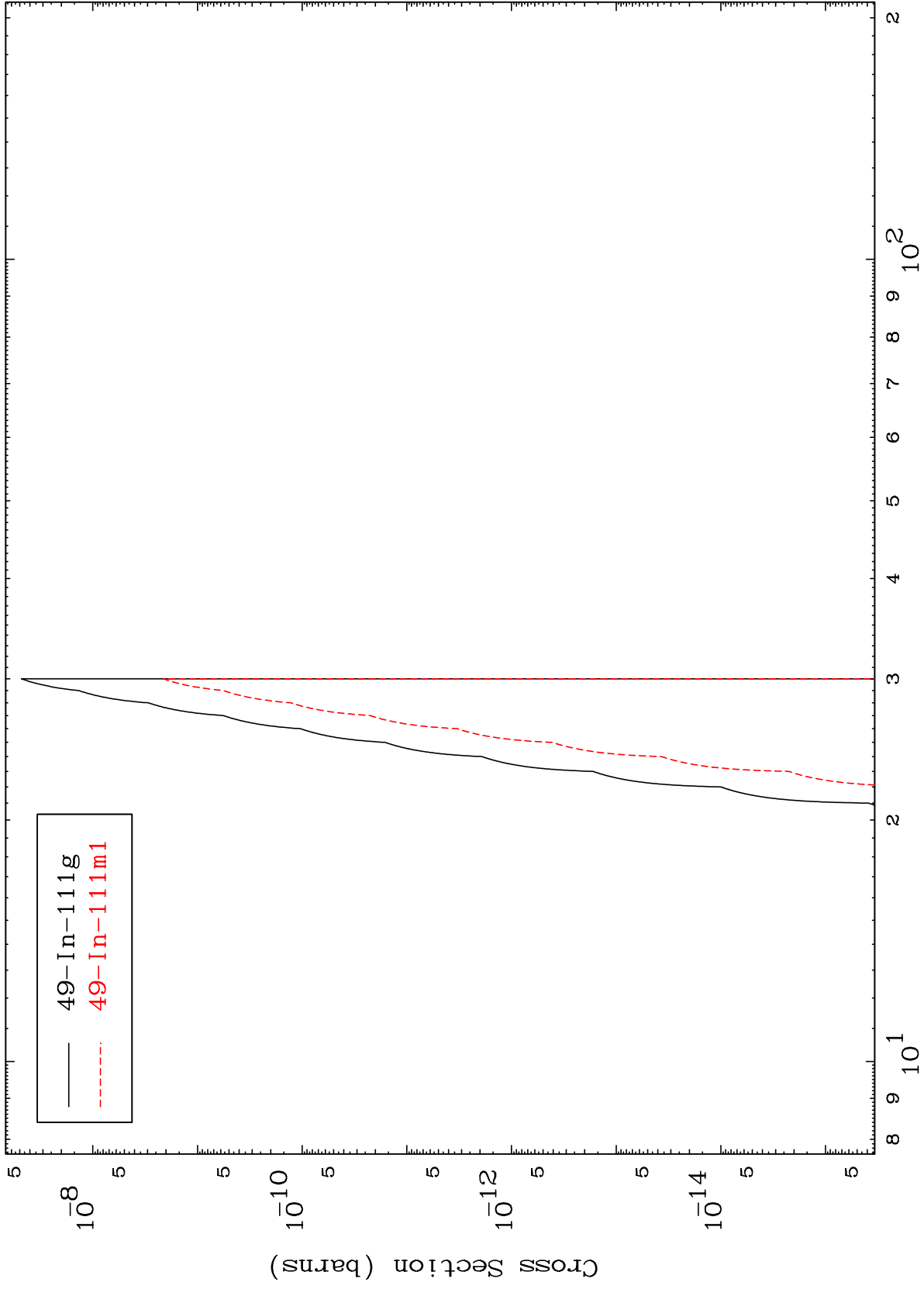
53-I -120

MAT 5305

(n,2n) 2α

53-I -120

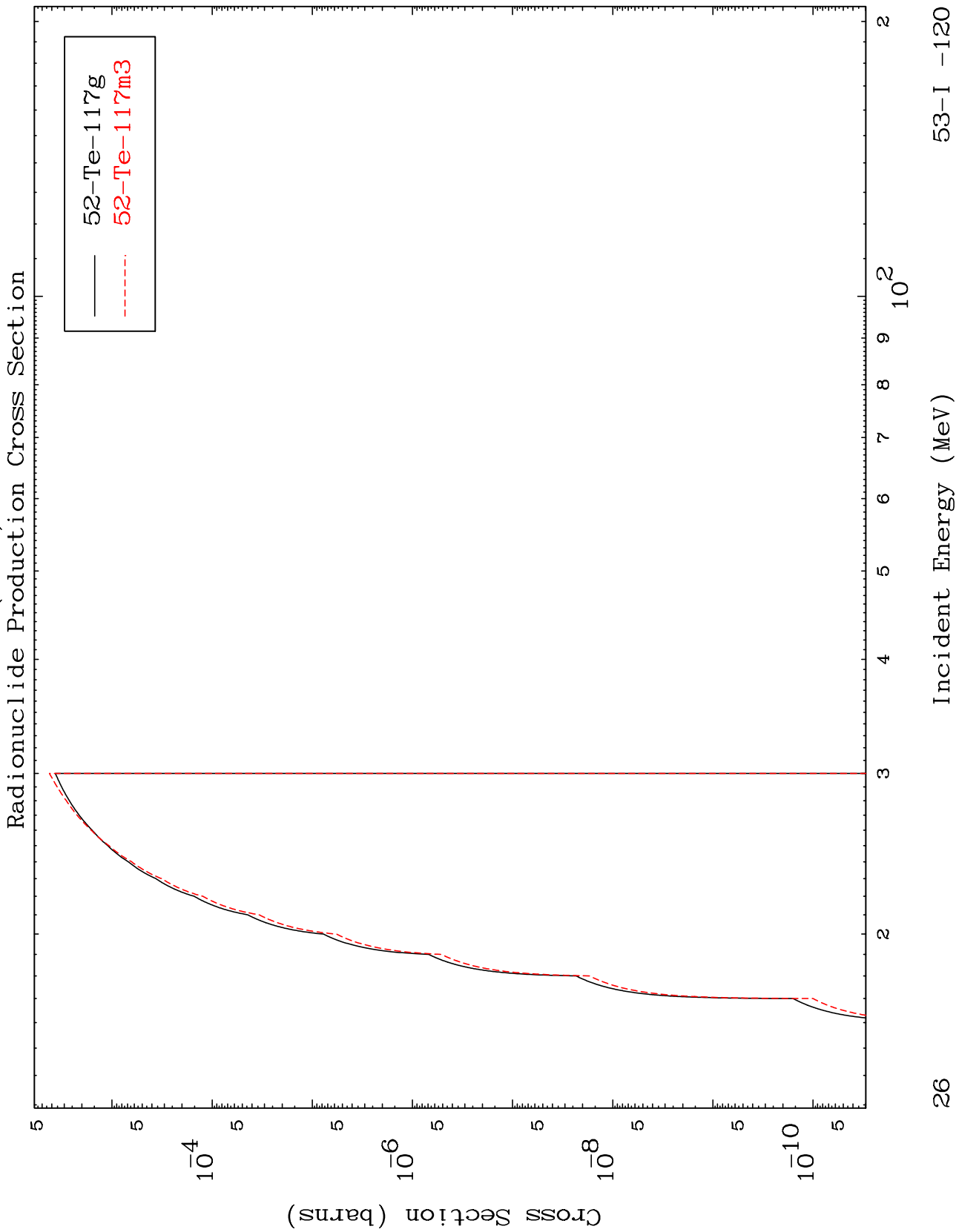
Radionuclide Production Cross Section



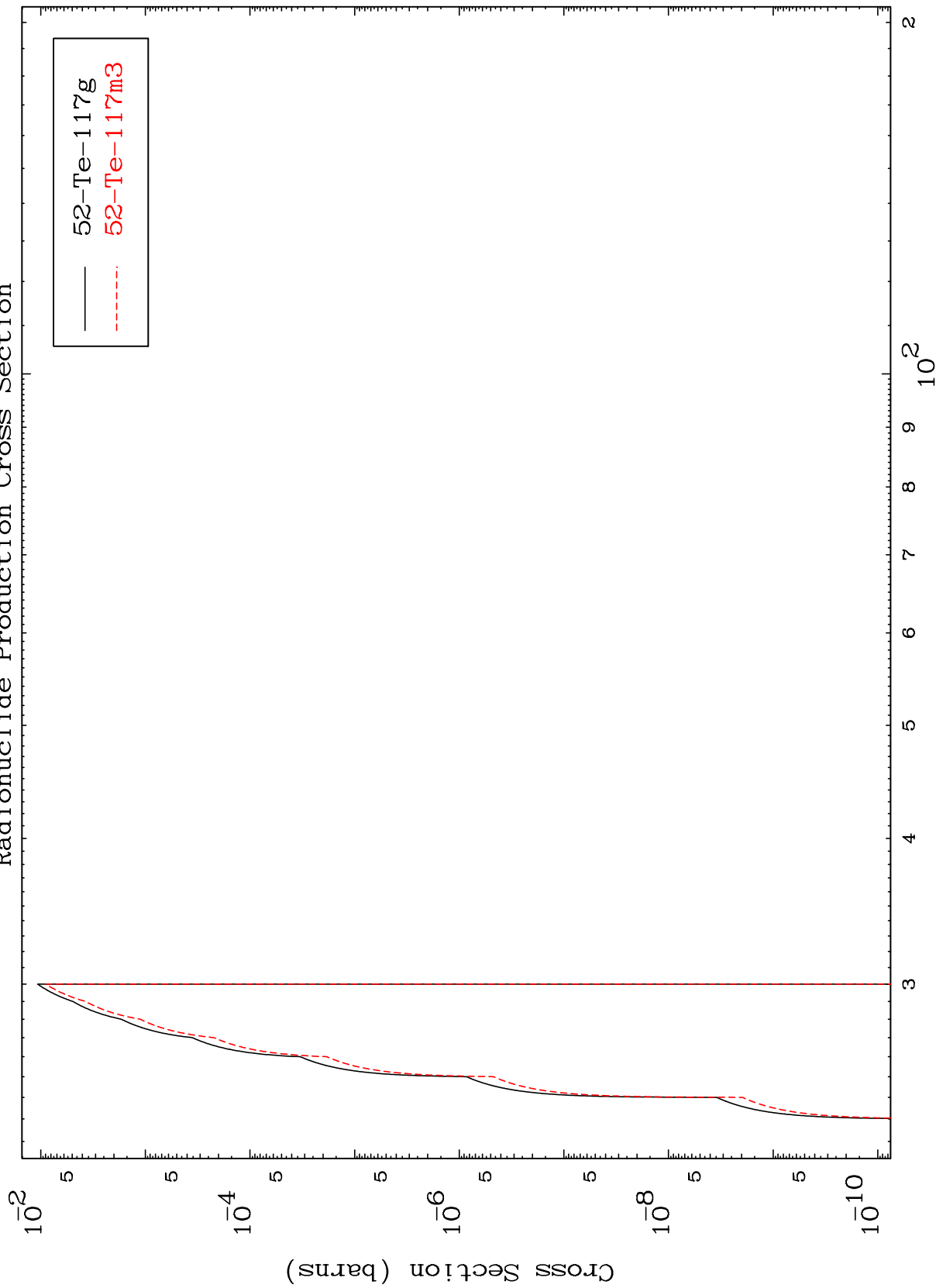
Incident Energy (MeV)

53-I -120

25



Radionuclide Production Cross Section



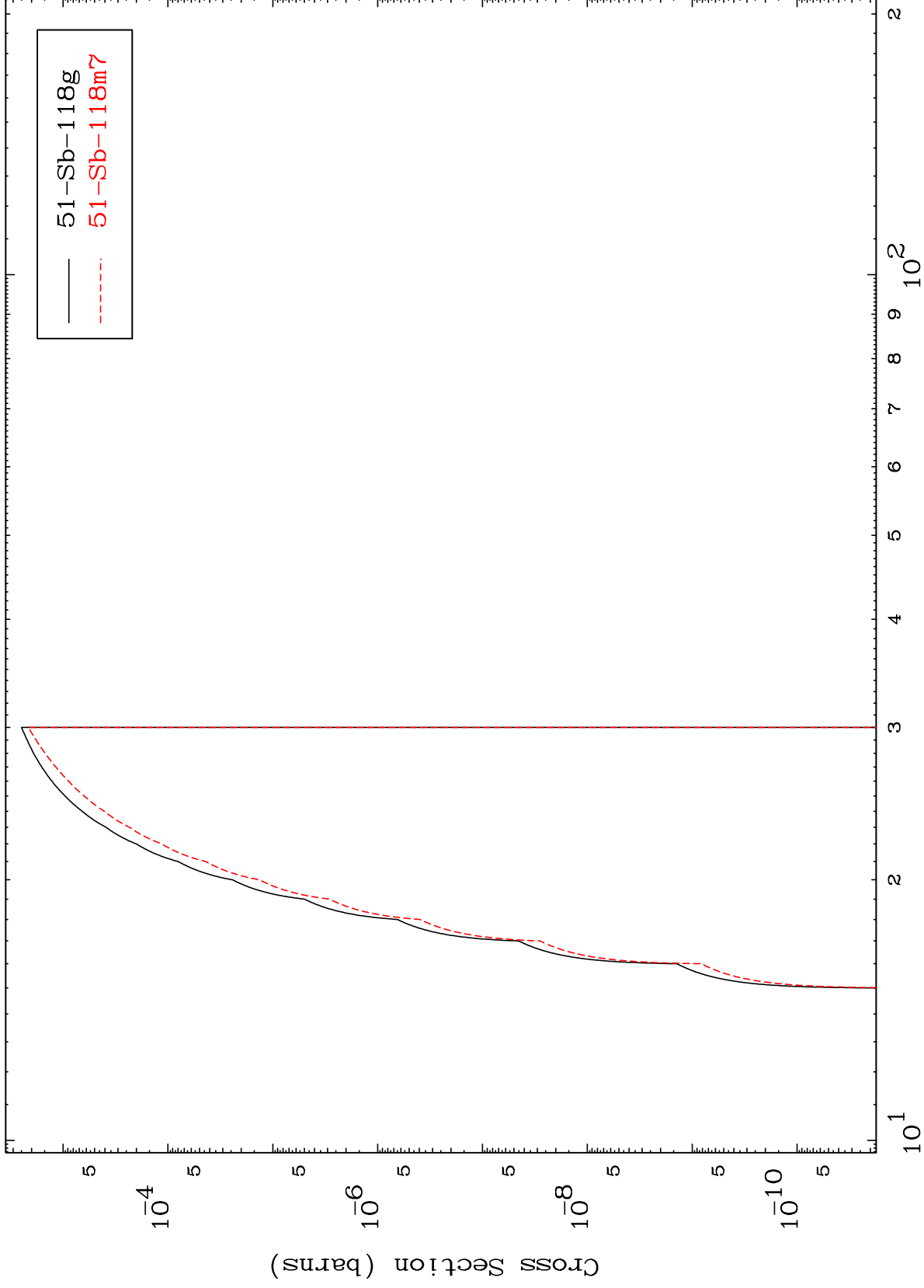
— 52-Te-117g
- - - 52-Te-117m3

MAT 5305

(n,2n) p

53-I -120

Radionuclide Production Cross Section



28

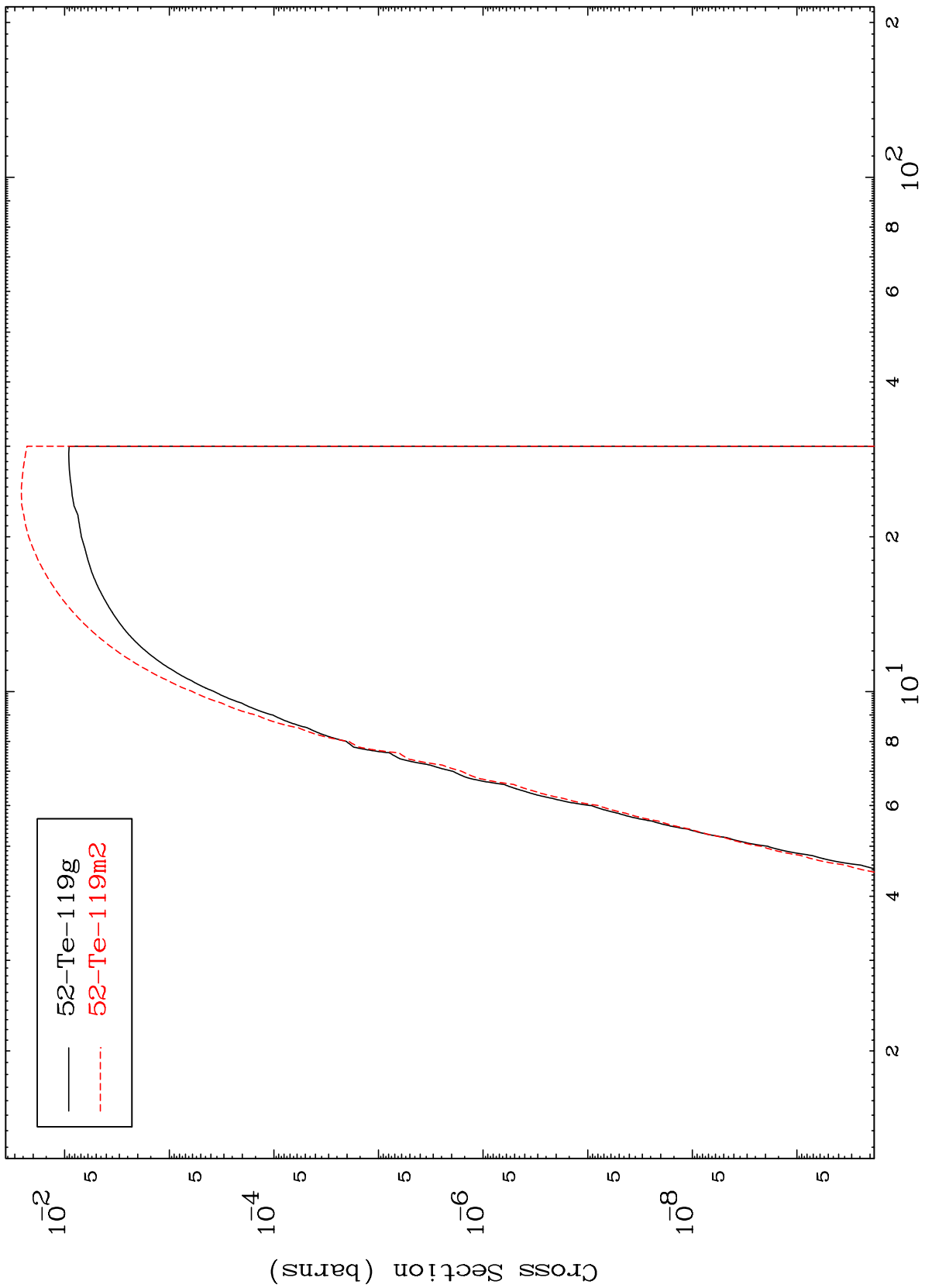
Incident Energy (MeV)

53-I -120

MAT 5305

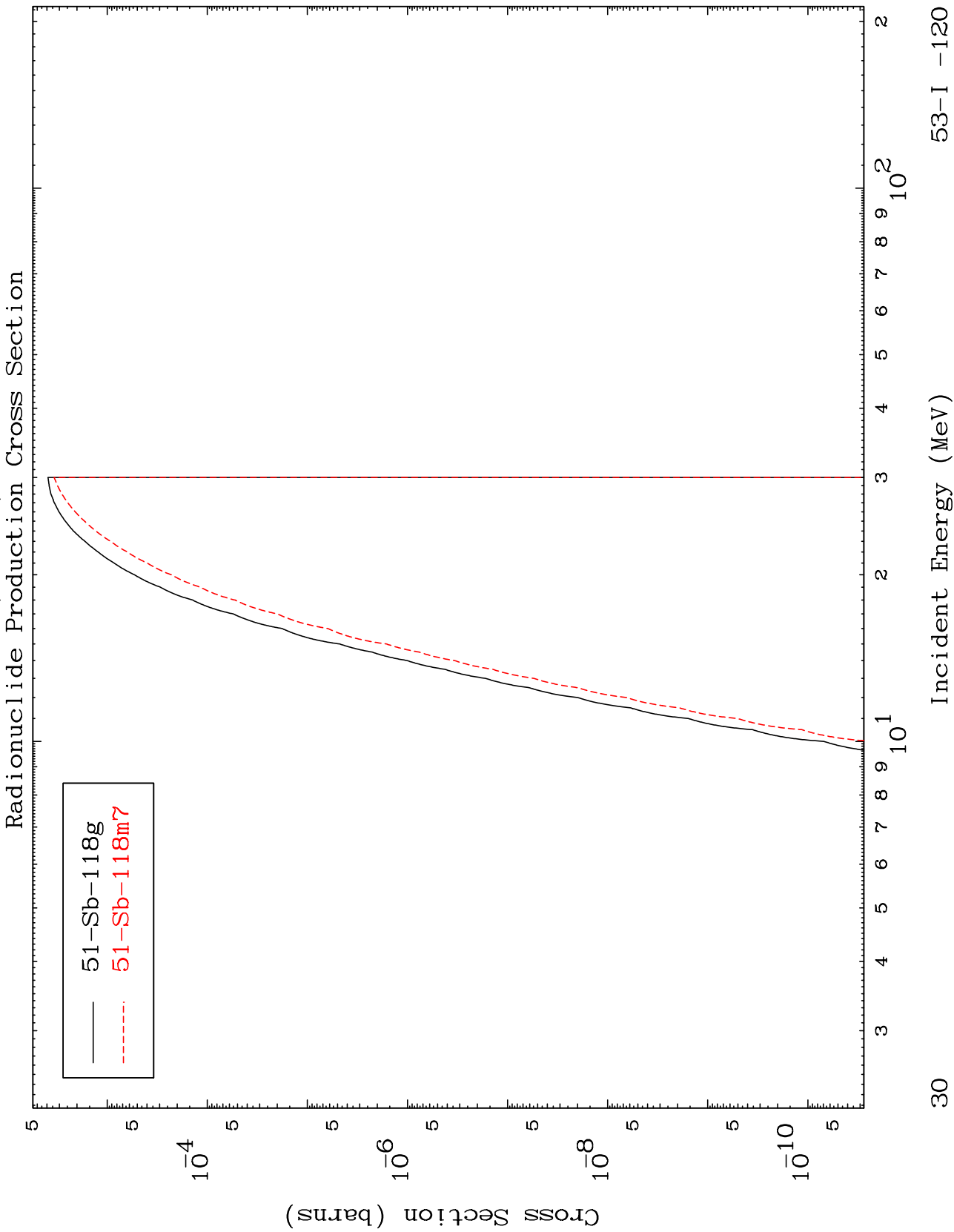
53-I -120

(n,d)
Radionuclide Production Cross Section



MAT 5305

53-I -120



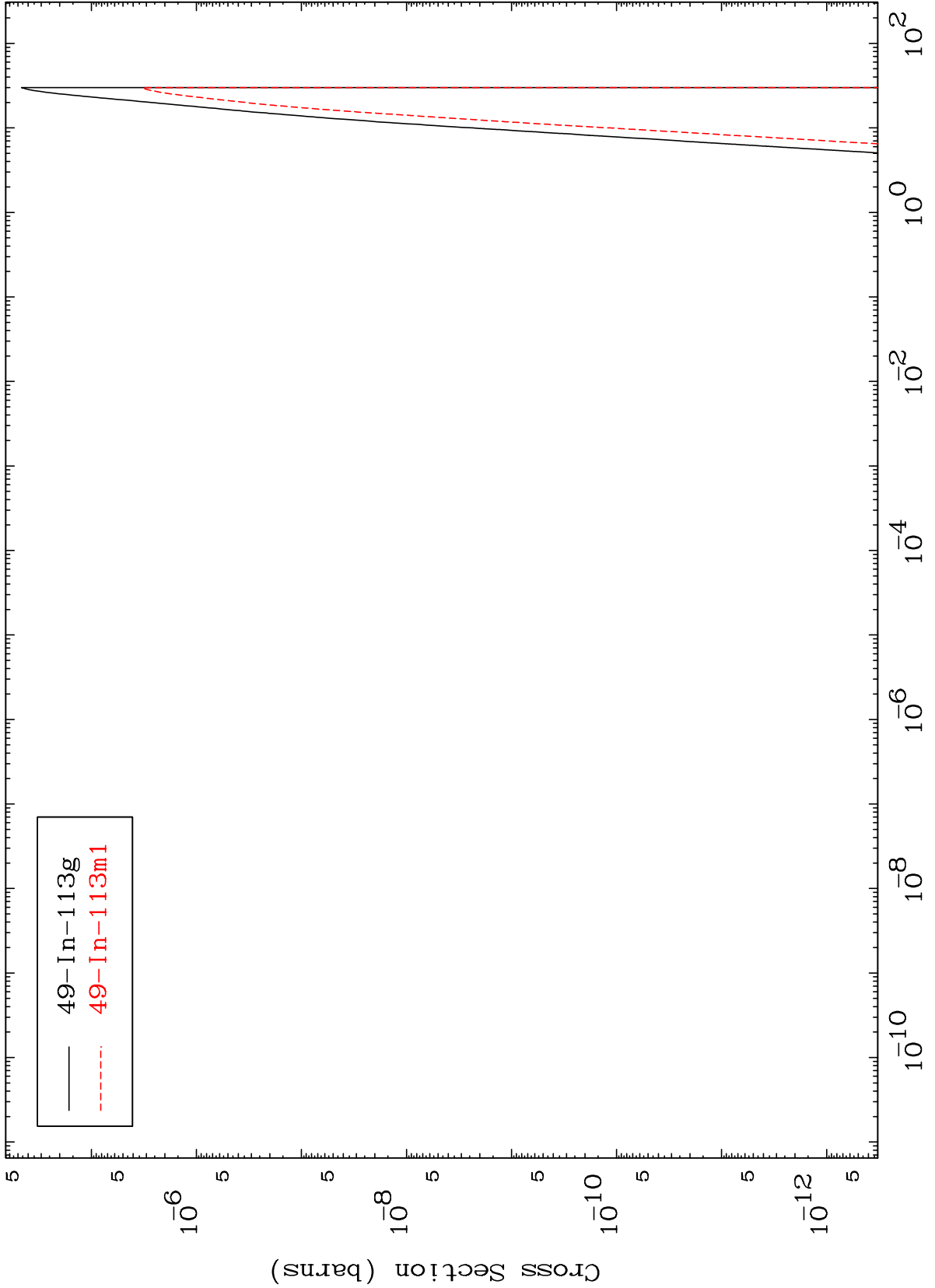
— 51-Sb-118g
- - - 51-Sb-118m7

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(n,2α)

53-I -120

Radionuclide Production Cross Section



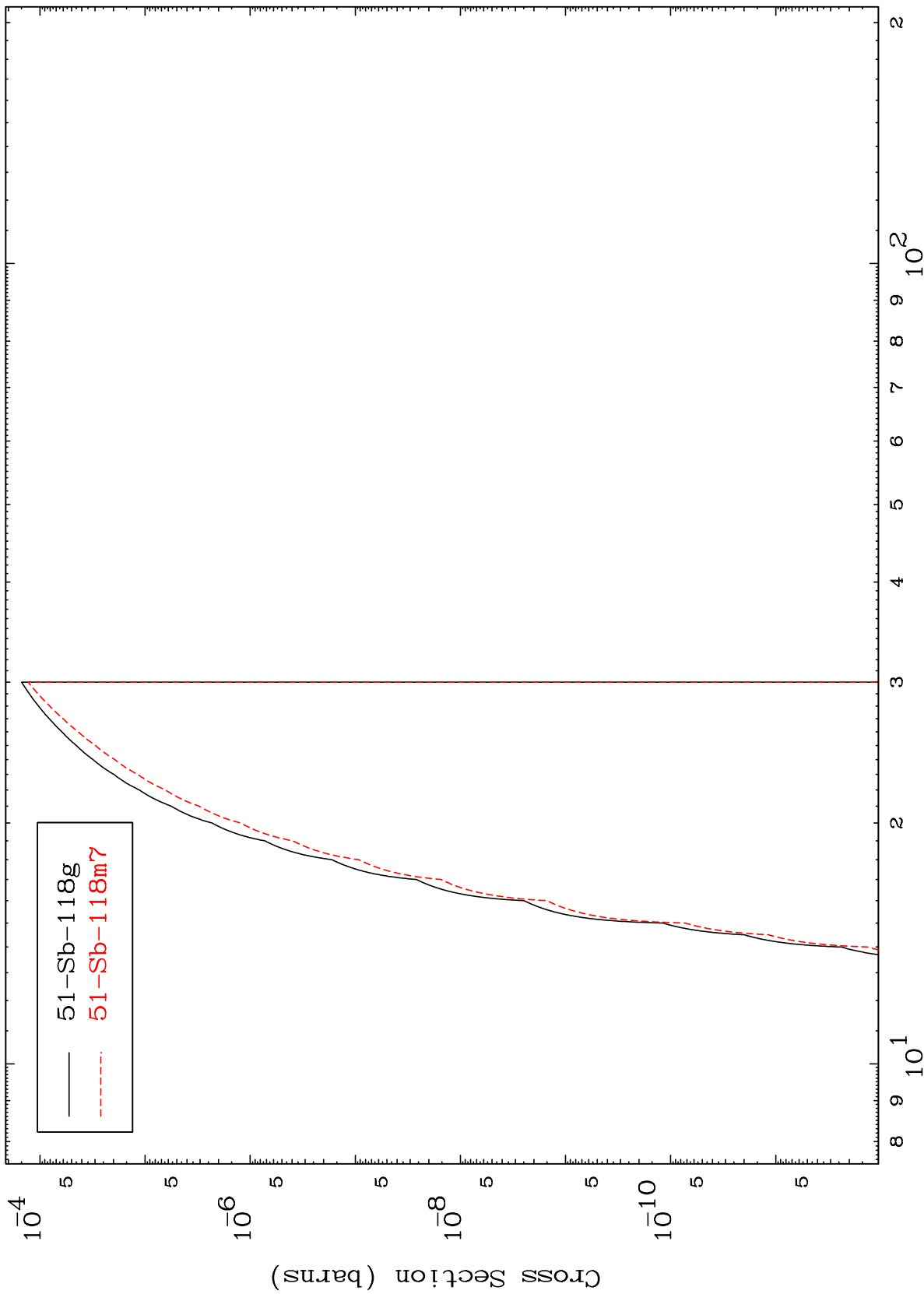
— 49-In-113g
- - - 49-In-113m1

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(n,p) d

53-I -120

Radionuclide Production Cross Section



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

32

Incident Energy (MeV)

53-I -120