

Program EVALPLOT
(Version 2021-1)

by

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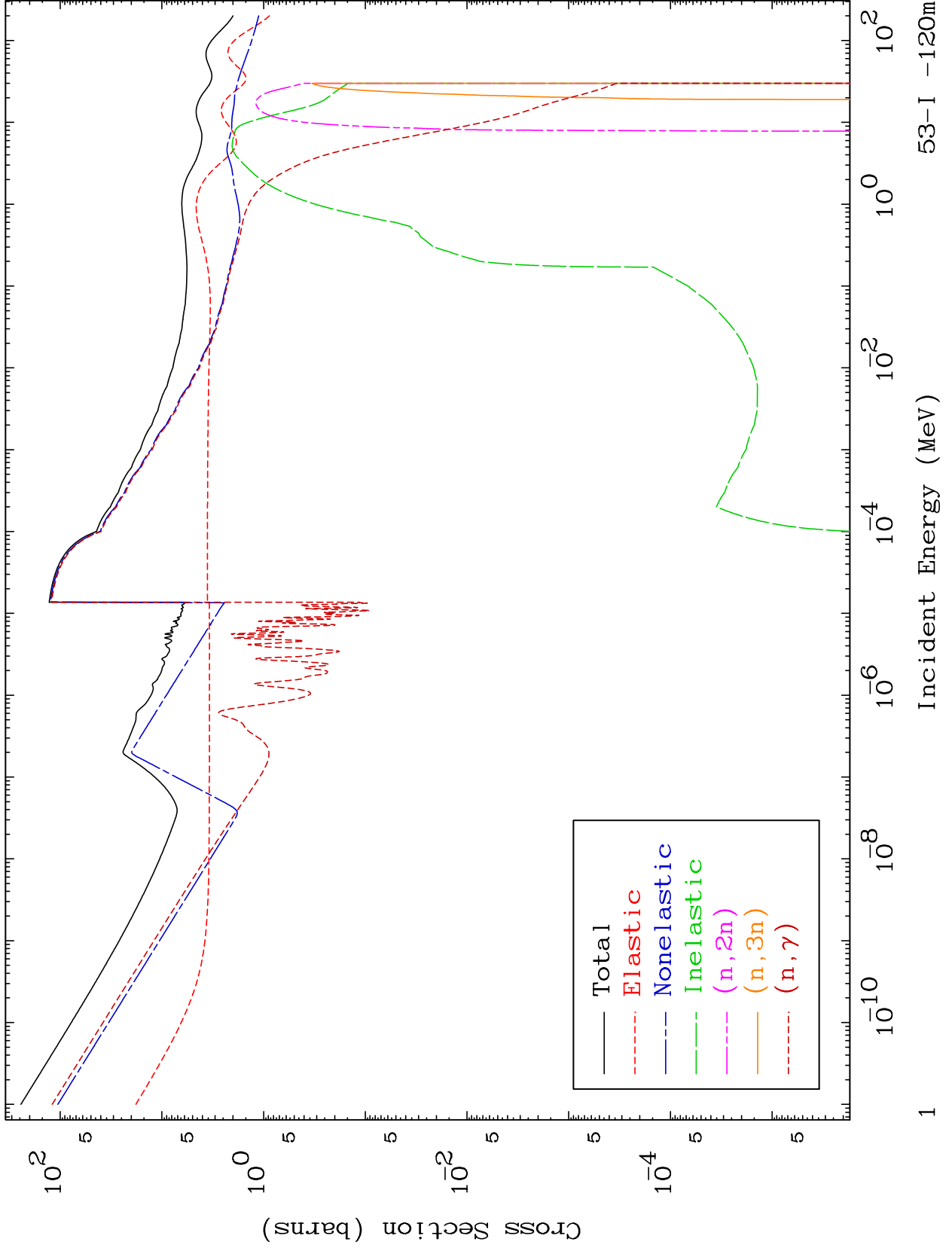
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5305

Neutron Major
293 Kelvin Cross Sections

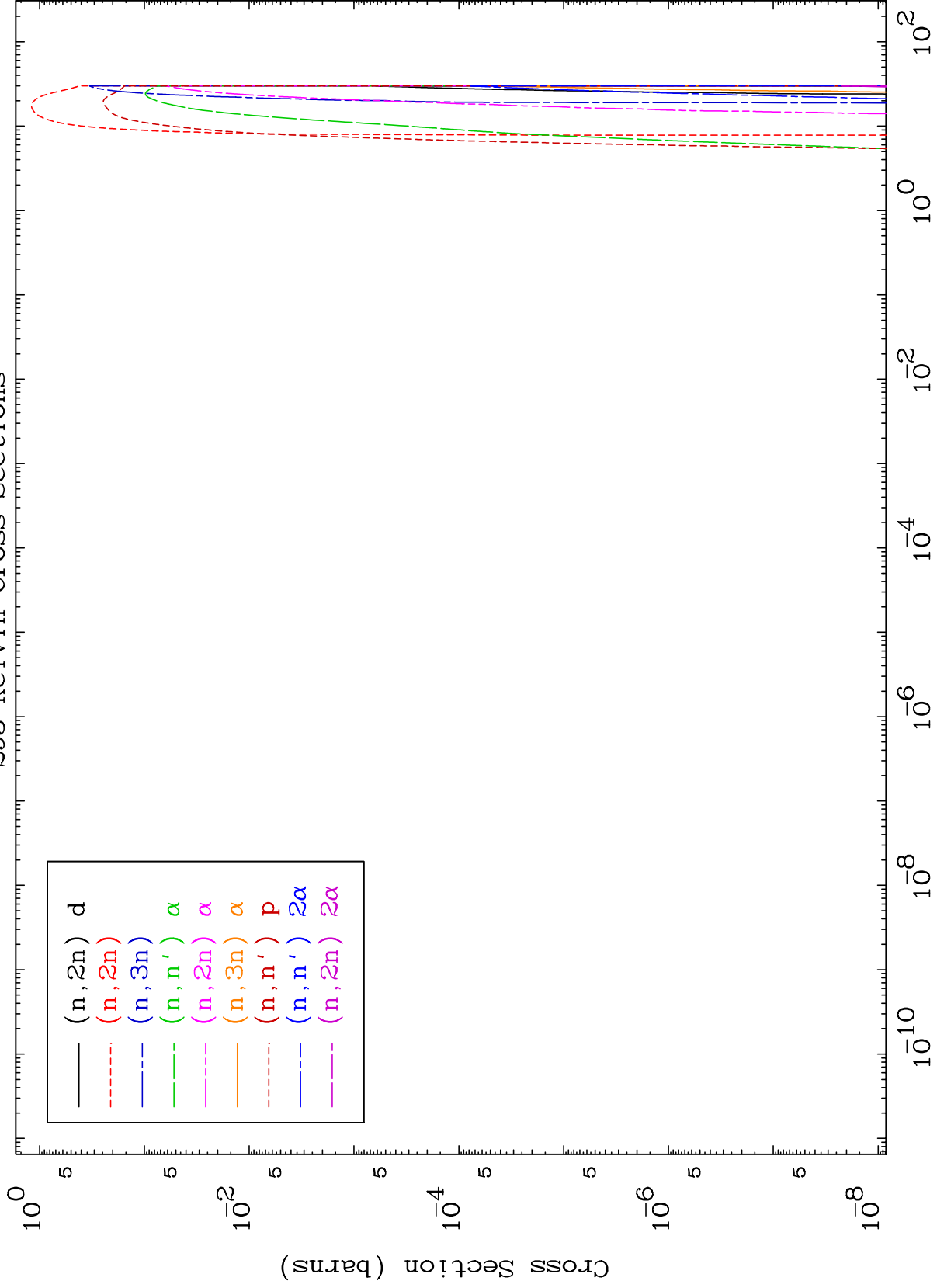
53-I -120m



MAT 5305

Neutron Absorption
293 Kelvin Cross Sections

53-I -120m



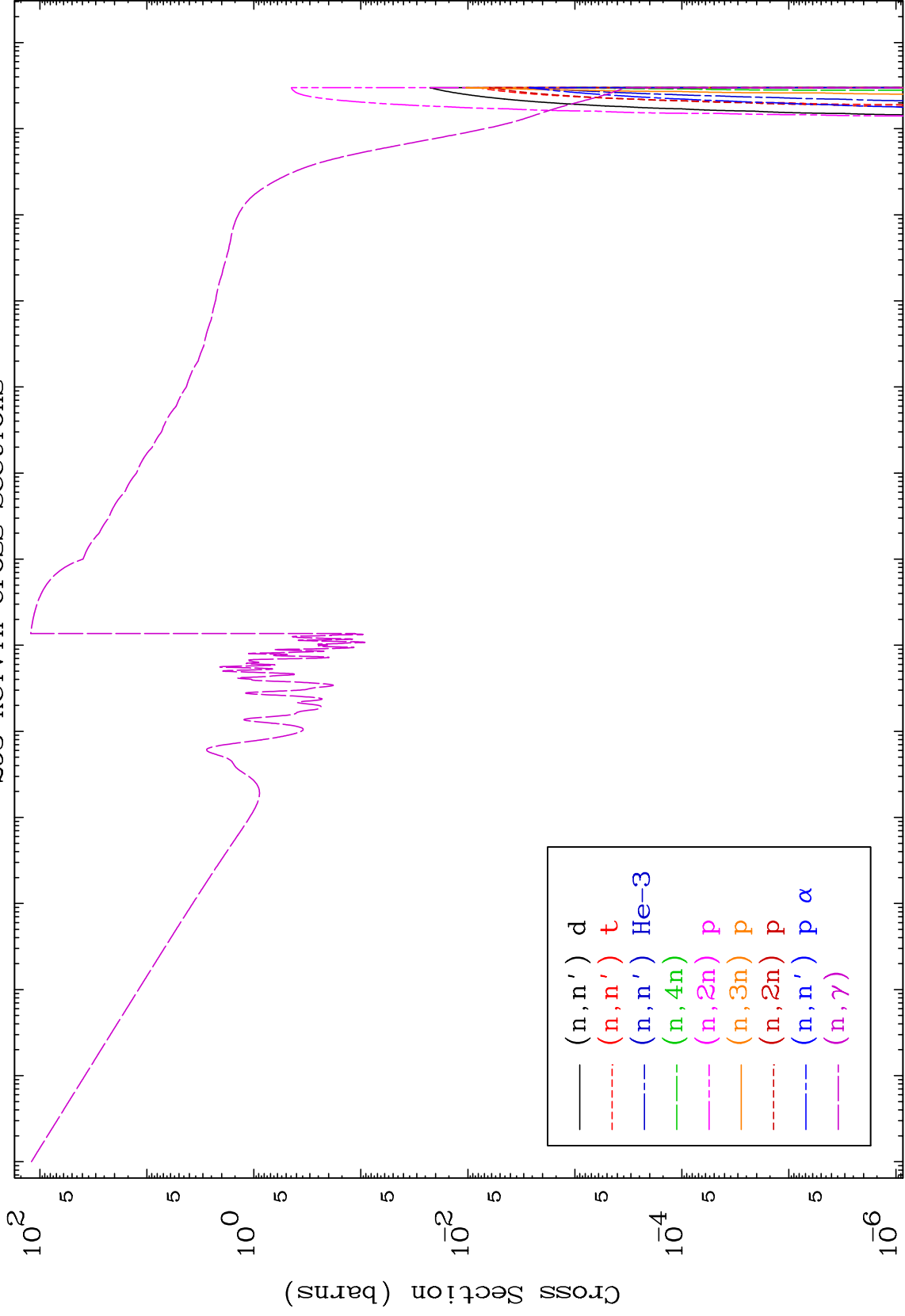
53-I -120m

Incident Energy (MeV)

MAT 5305

Neutron Absorption
293 Kelvin Cross Sections

53-I -120m



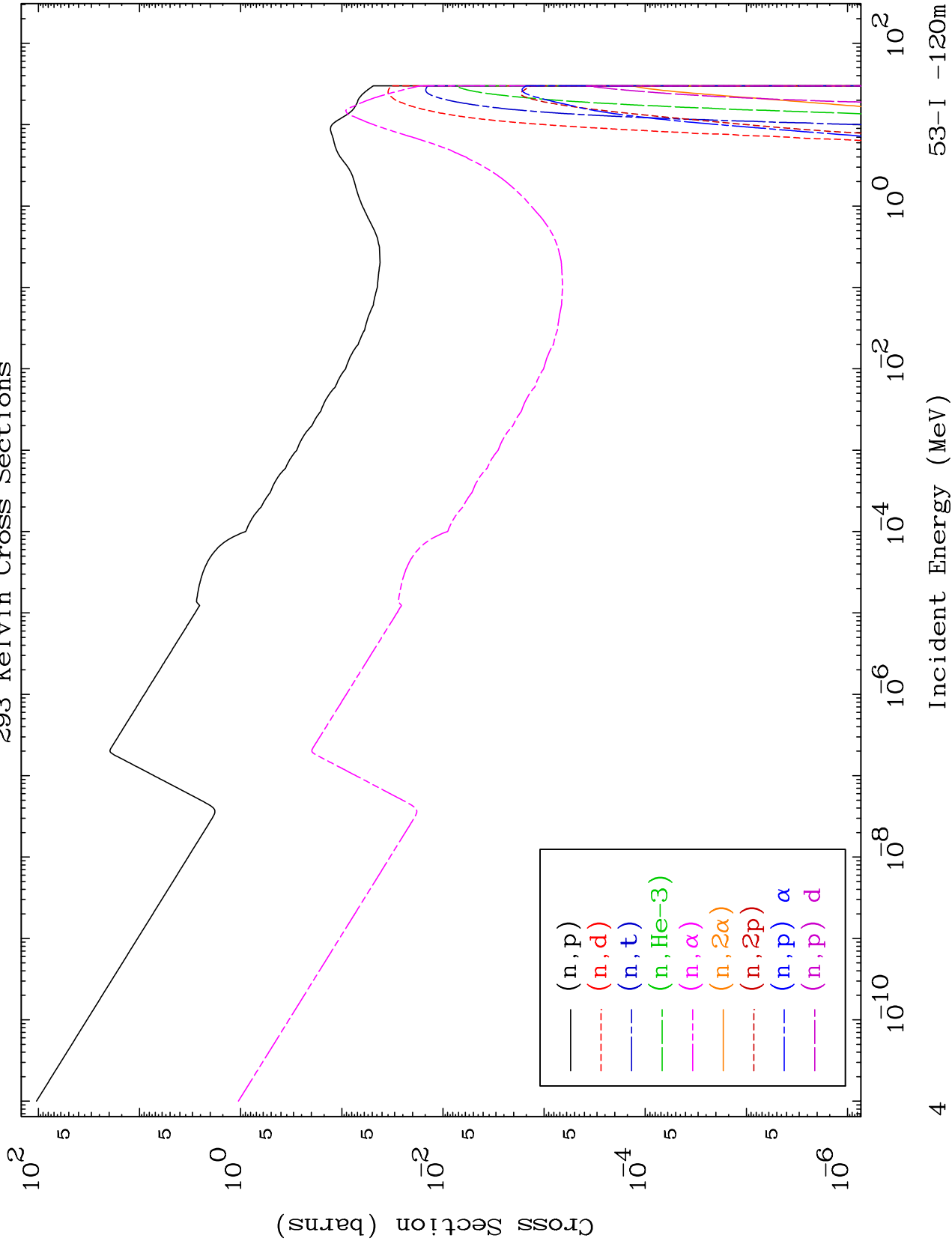
Incident Energy (MeV)

53-I -120m

MAT 5305

Neutron Absorption
293 Kelvin Cross Sections

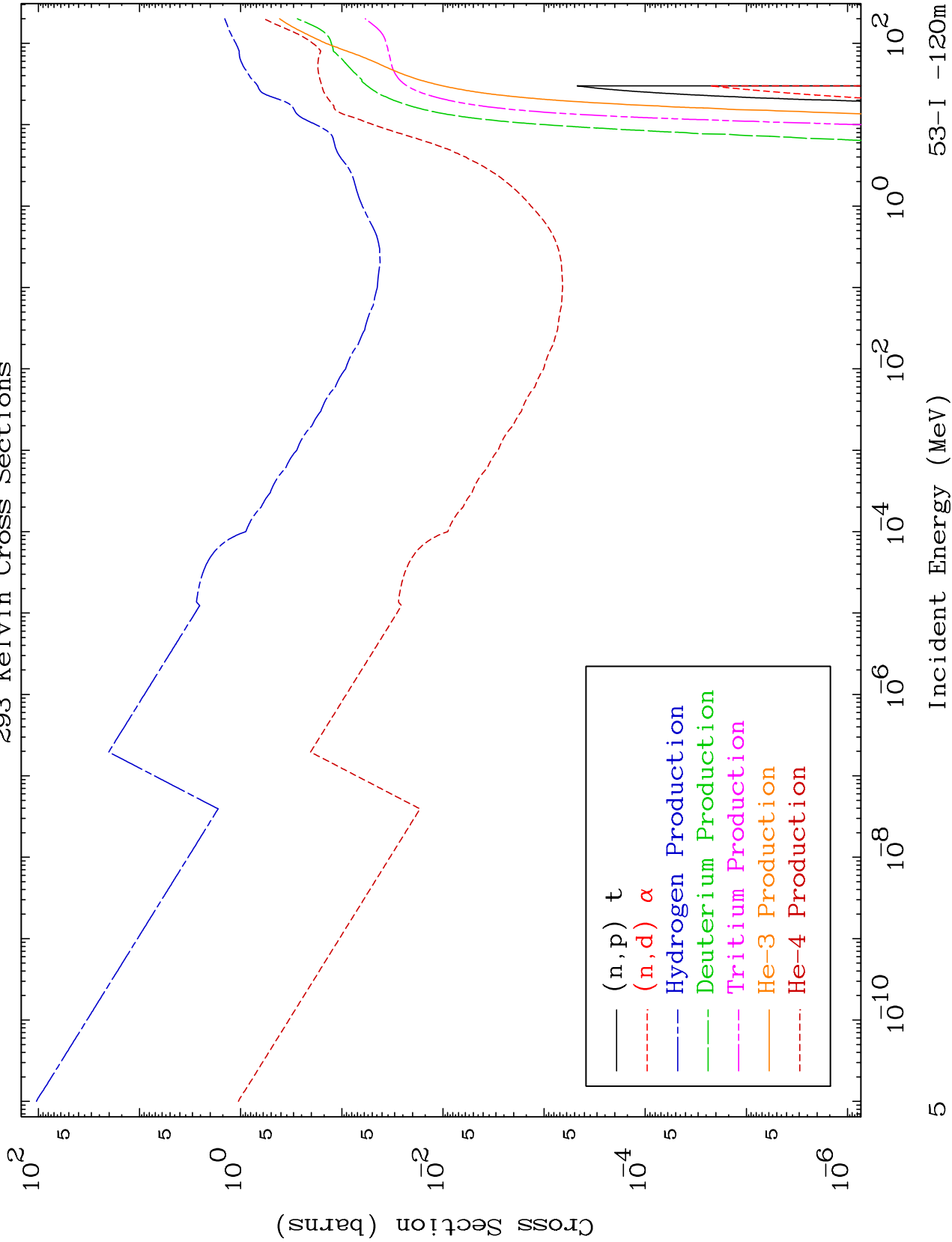
53-I -120m



MAT 5305

Neutron Absorption
293 Kelvin Cross Sections

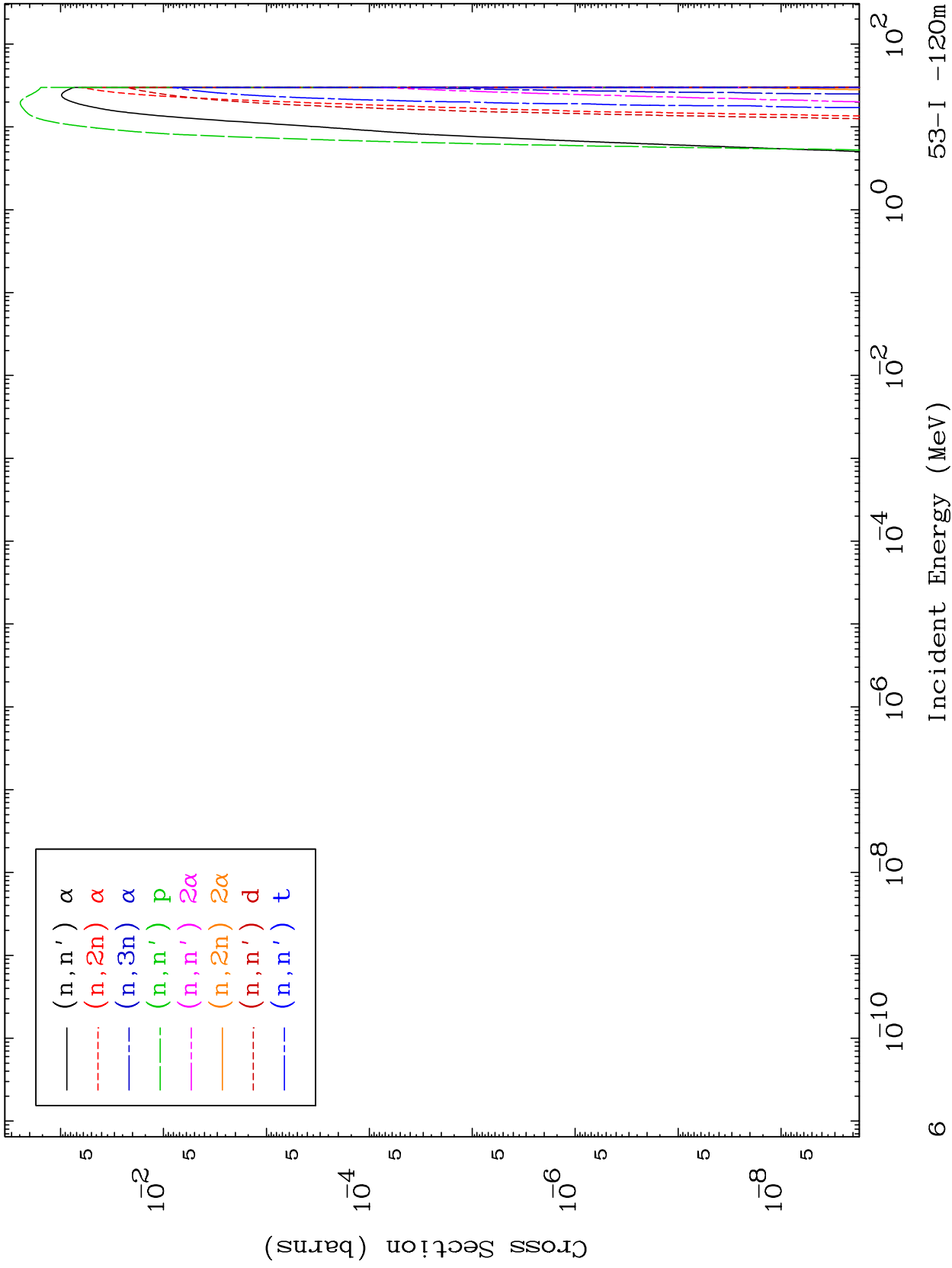
53-I -120m



MAT 5305

Charged Particle
293 Kelvin Cross Sections

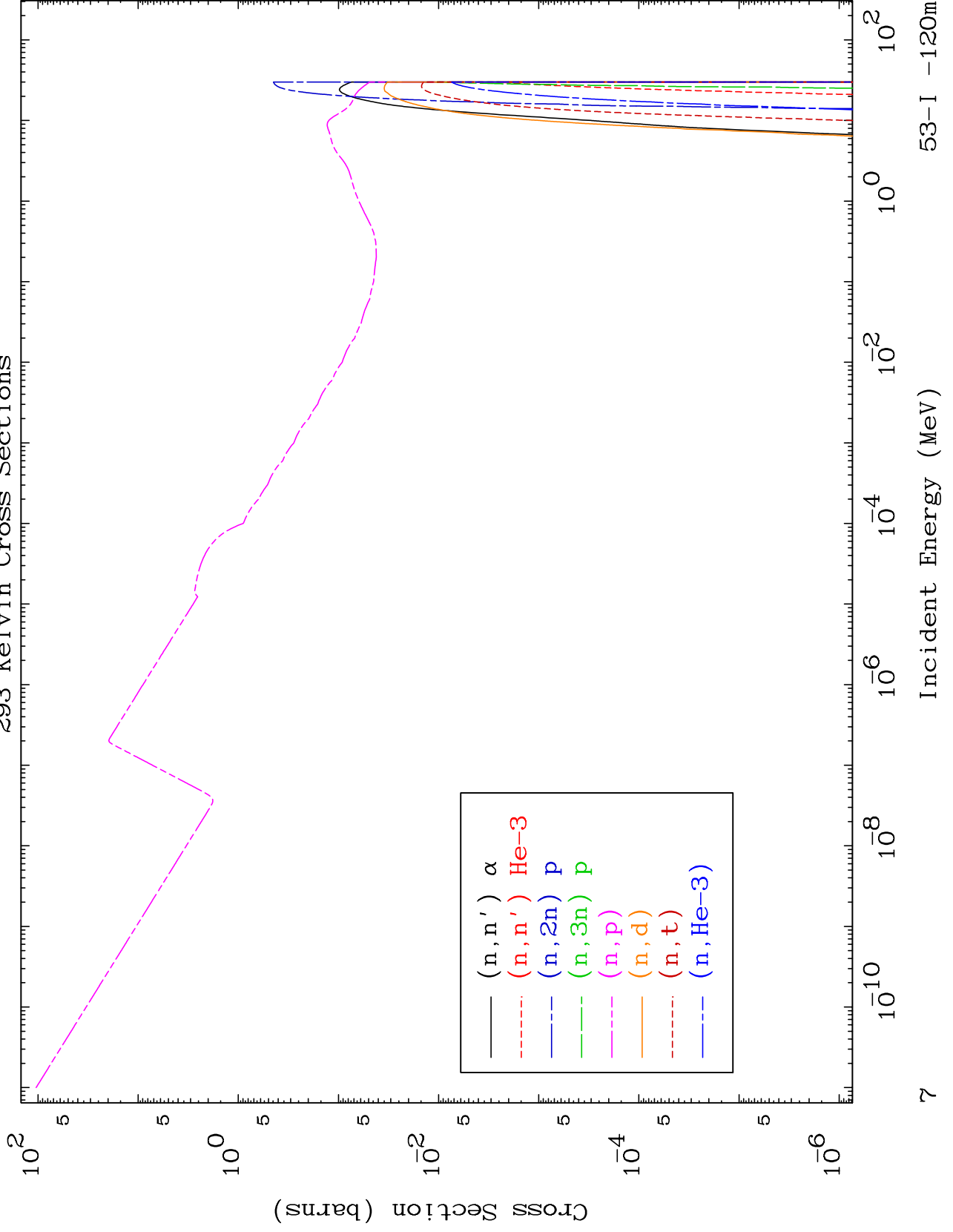
53-I -120m



MAT 5305

Charged Particle
293 Kelvin Cross Sections

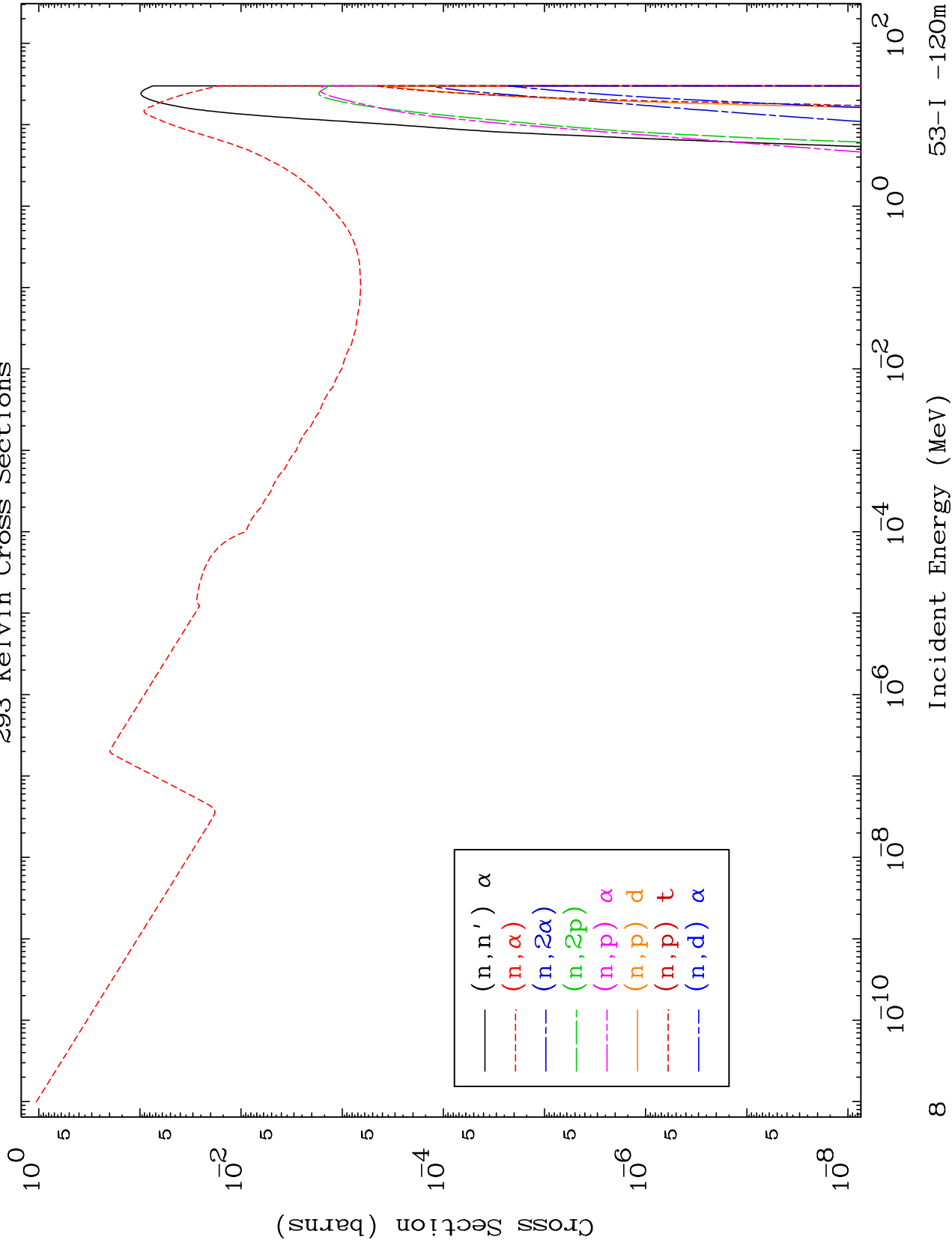
53-I -120m



MAT 5305

Charged Particle
293 Kelvin Cross Sections

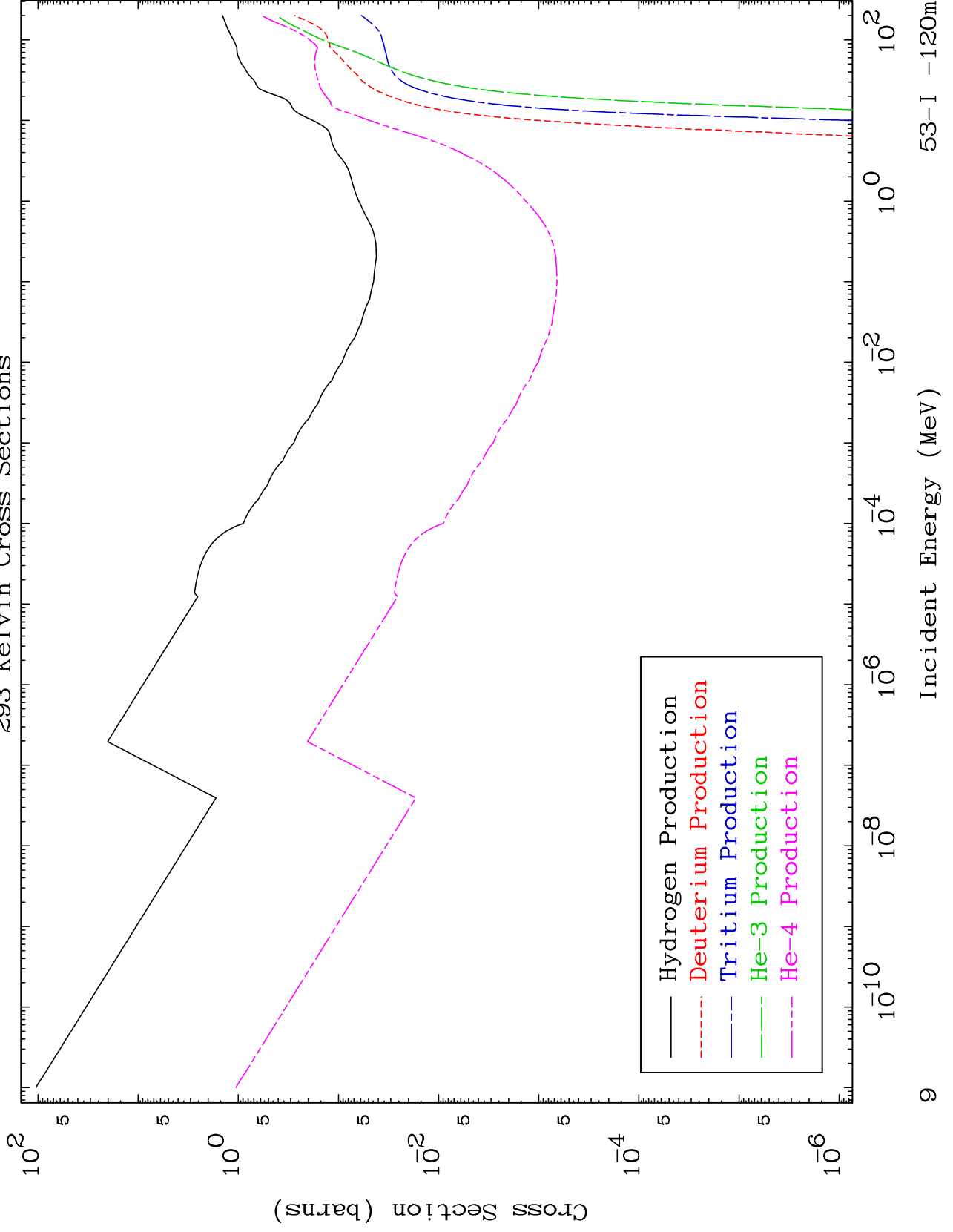
53-I -120m



MAT 5305

Particle Production
293 Kelvin Cross Sections

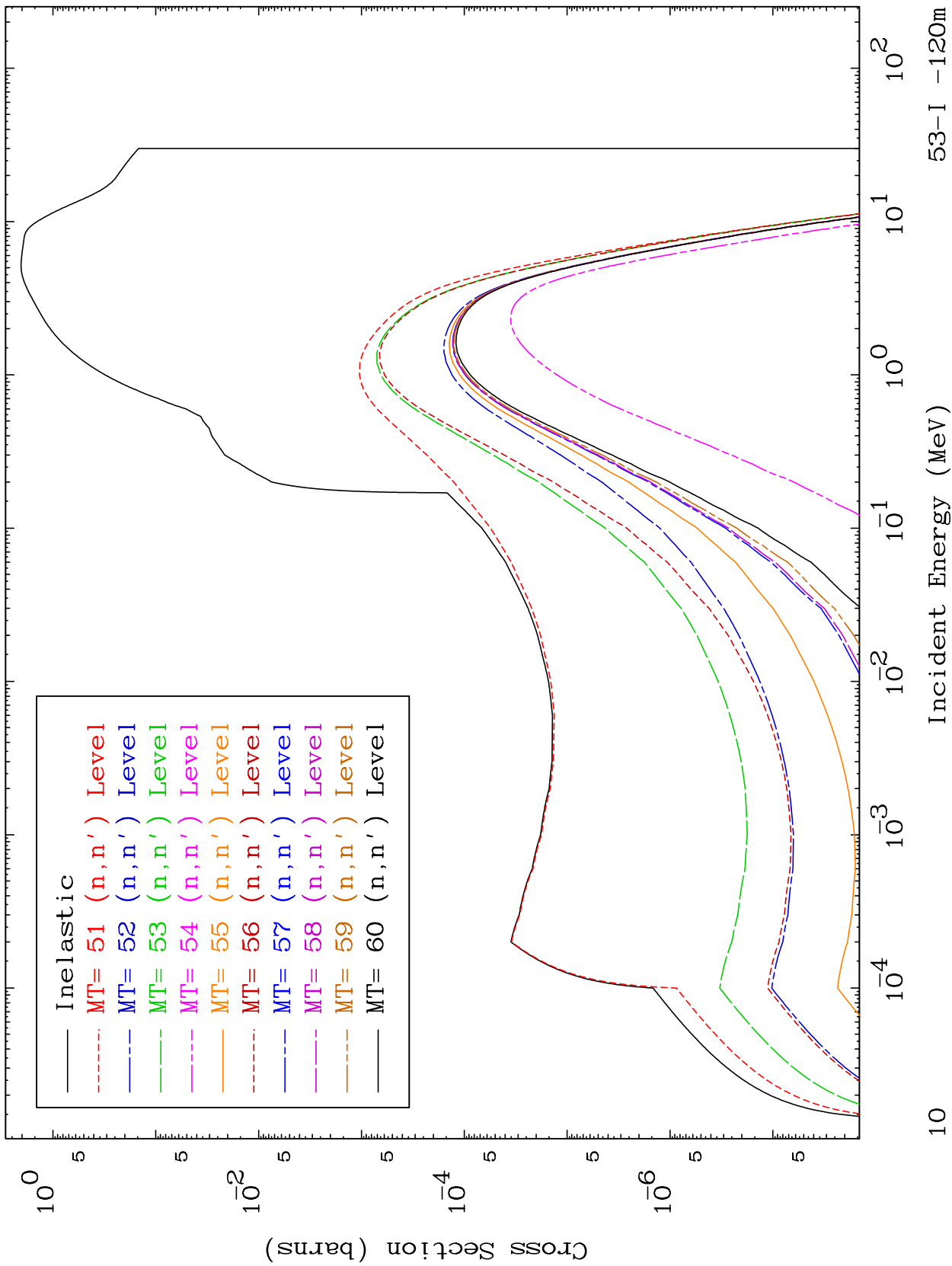
53-I -120m



MAT 5305

(n,n') Levels
293 Kelvin Cross Sections

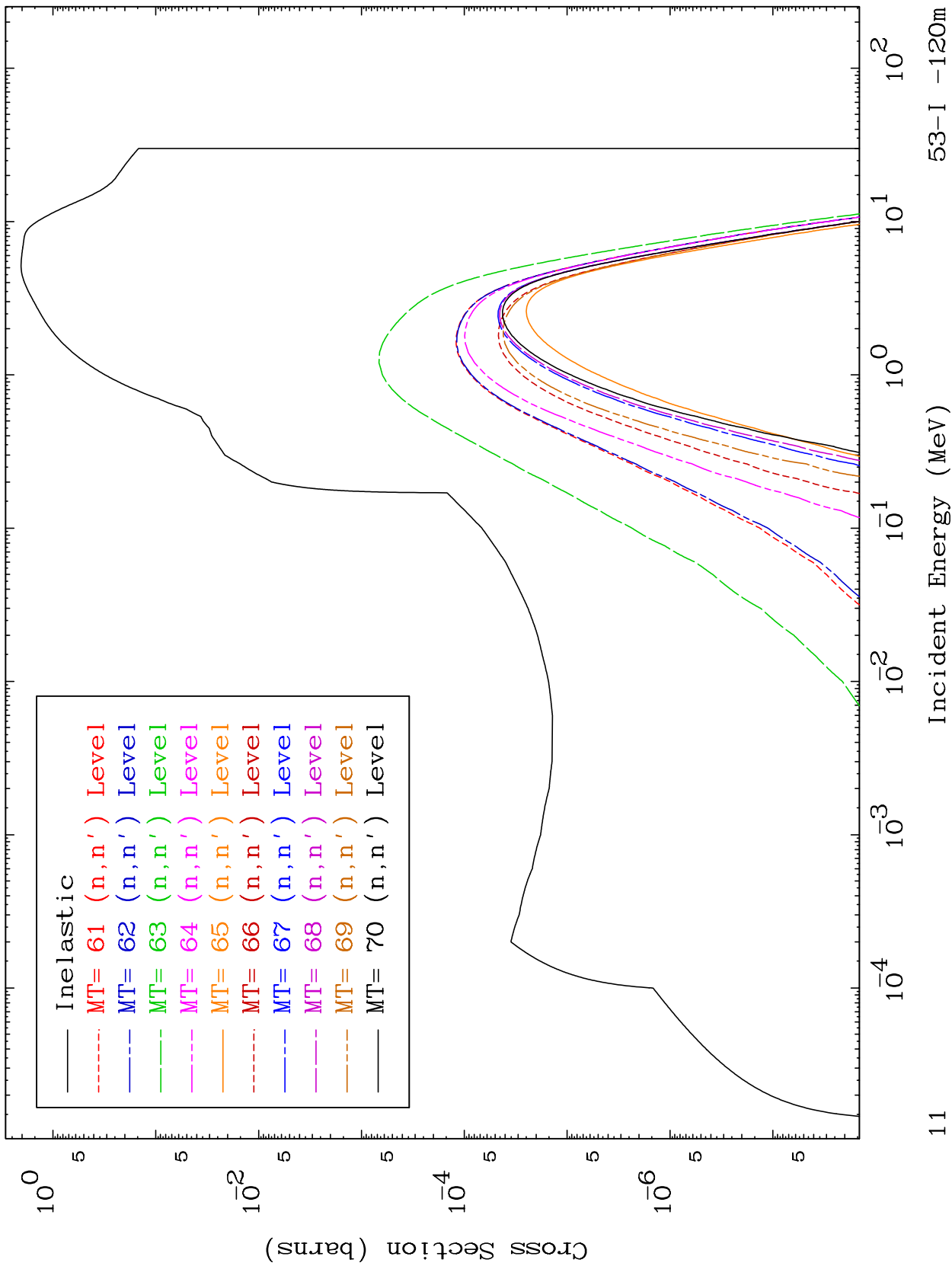
53-I -120m



MAT 5305

(n,n') Levels
293 Kelvin Cross Sections

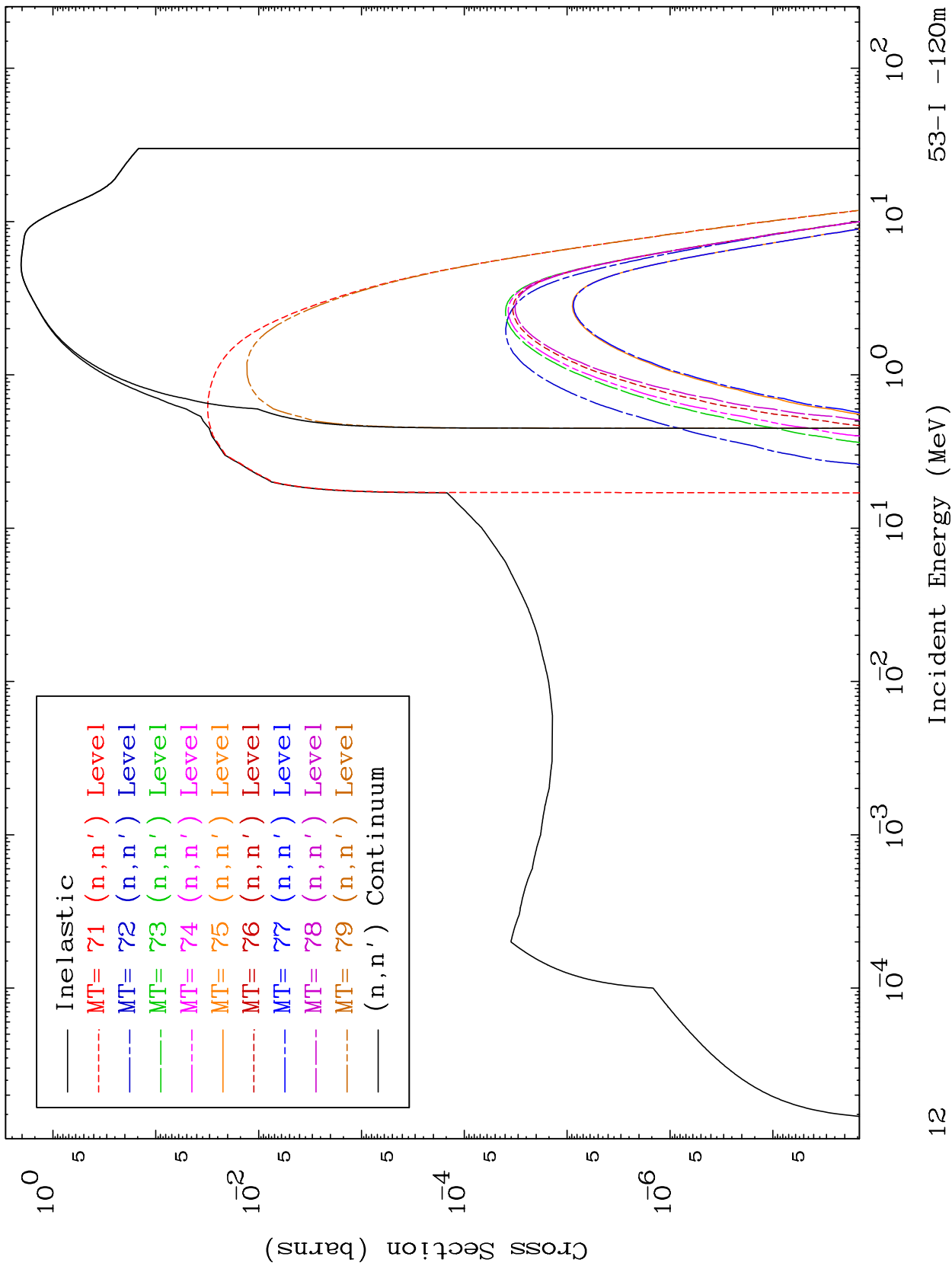
53-I -120m



MAT 5305

(n,n') Levels
293 Kelvin Cross Sections

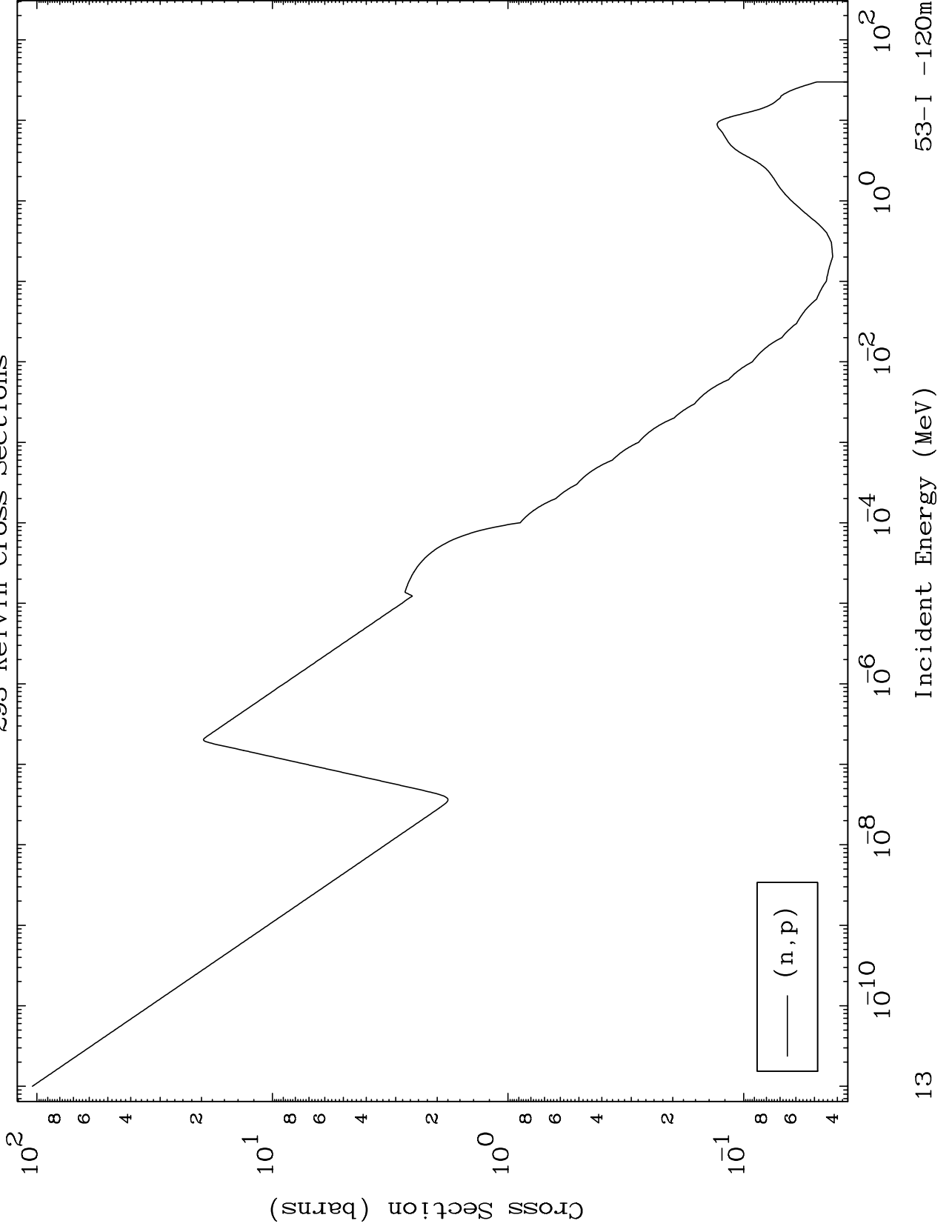
53-I -120m



MAT 5305

(n,p) Levels
293 Kelvin Cross Sections

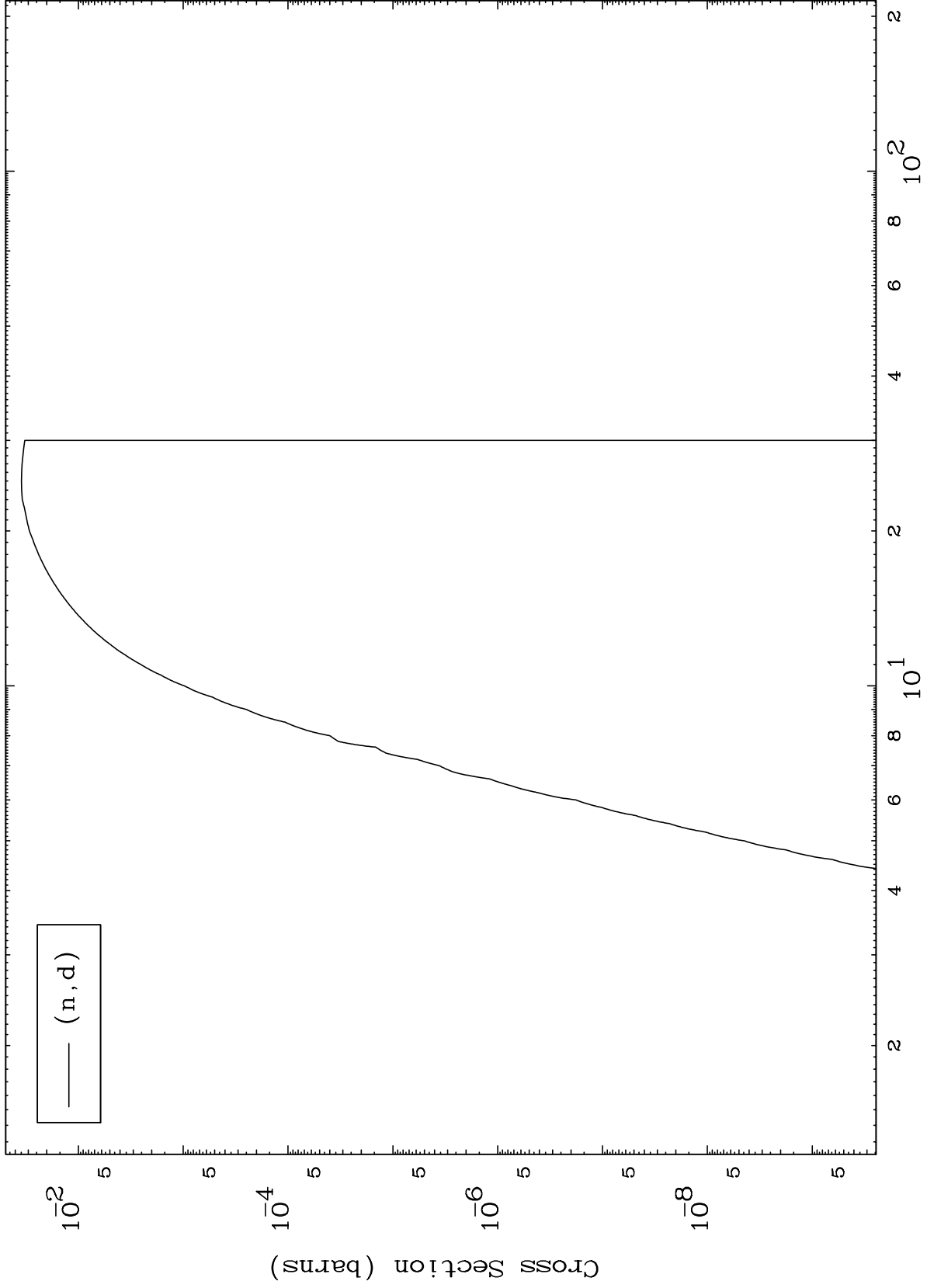
53-I -120m



MAT 5305

(n,d) Levels
293 Kelvin Cross Sections

53-I -120m



14

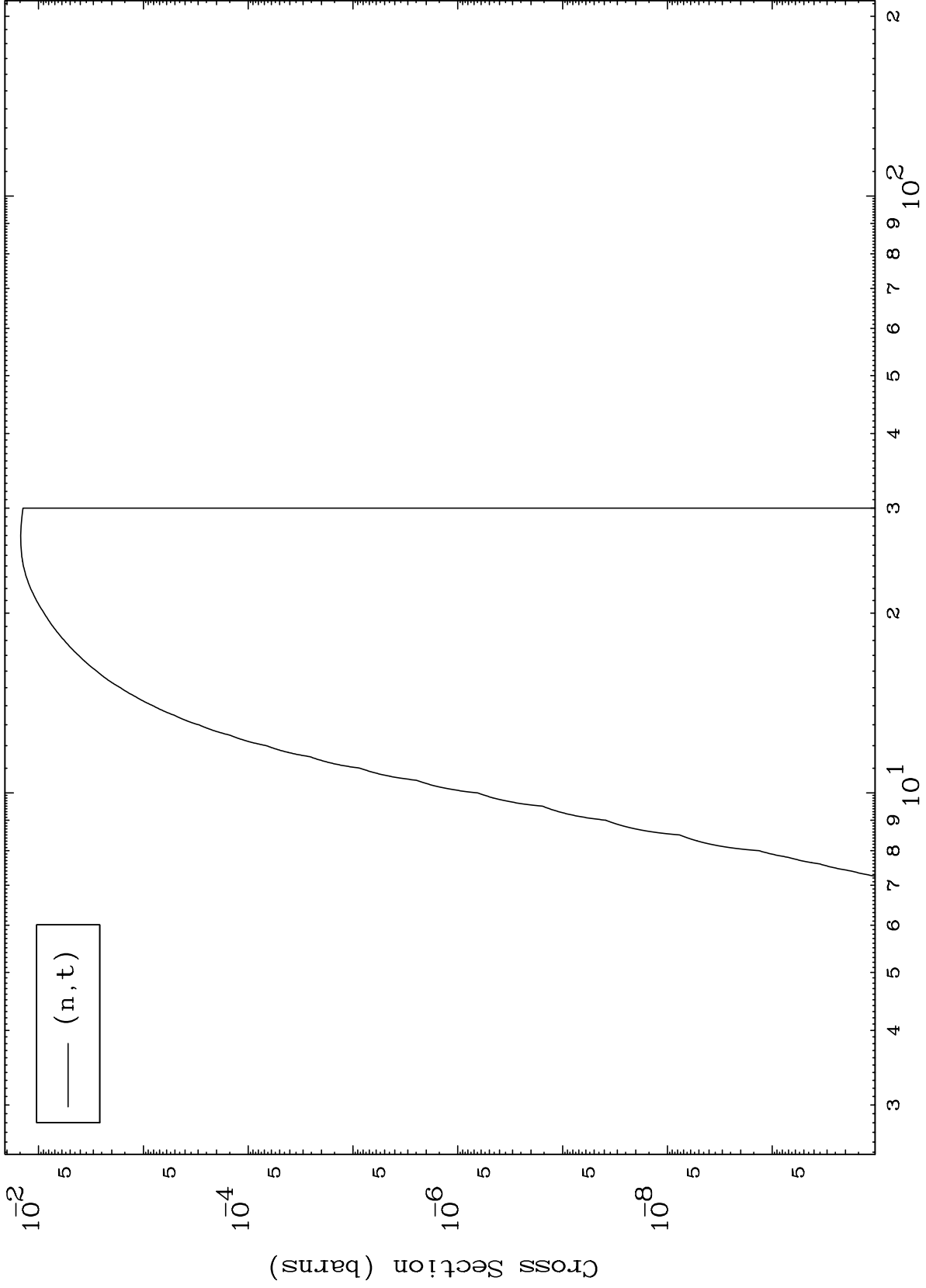
Incident Energy (MeV)

53-I -120m

MAT 5305

(n,t) Levels
293 Kelvin Cross Sections

53-I -120m



15

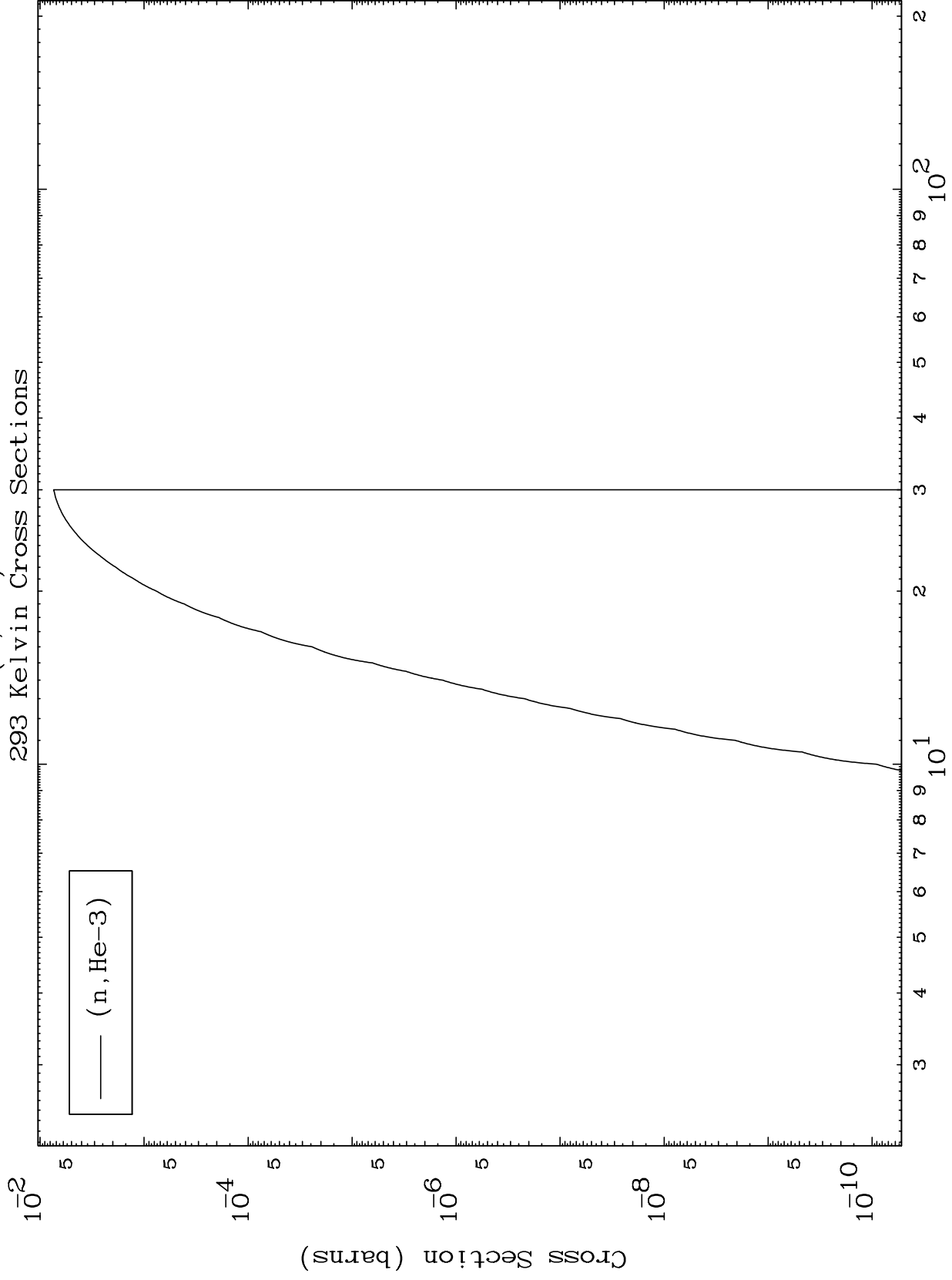
Incident Energy (MeV)

53-I -120m

MAT 5305

(n,He3) Levels
293 Kelvin Cross Sections

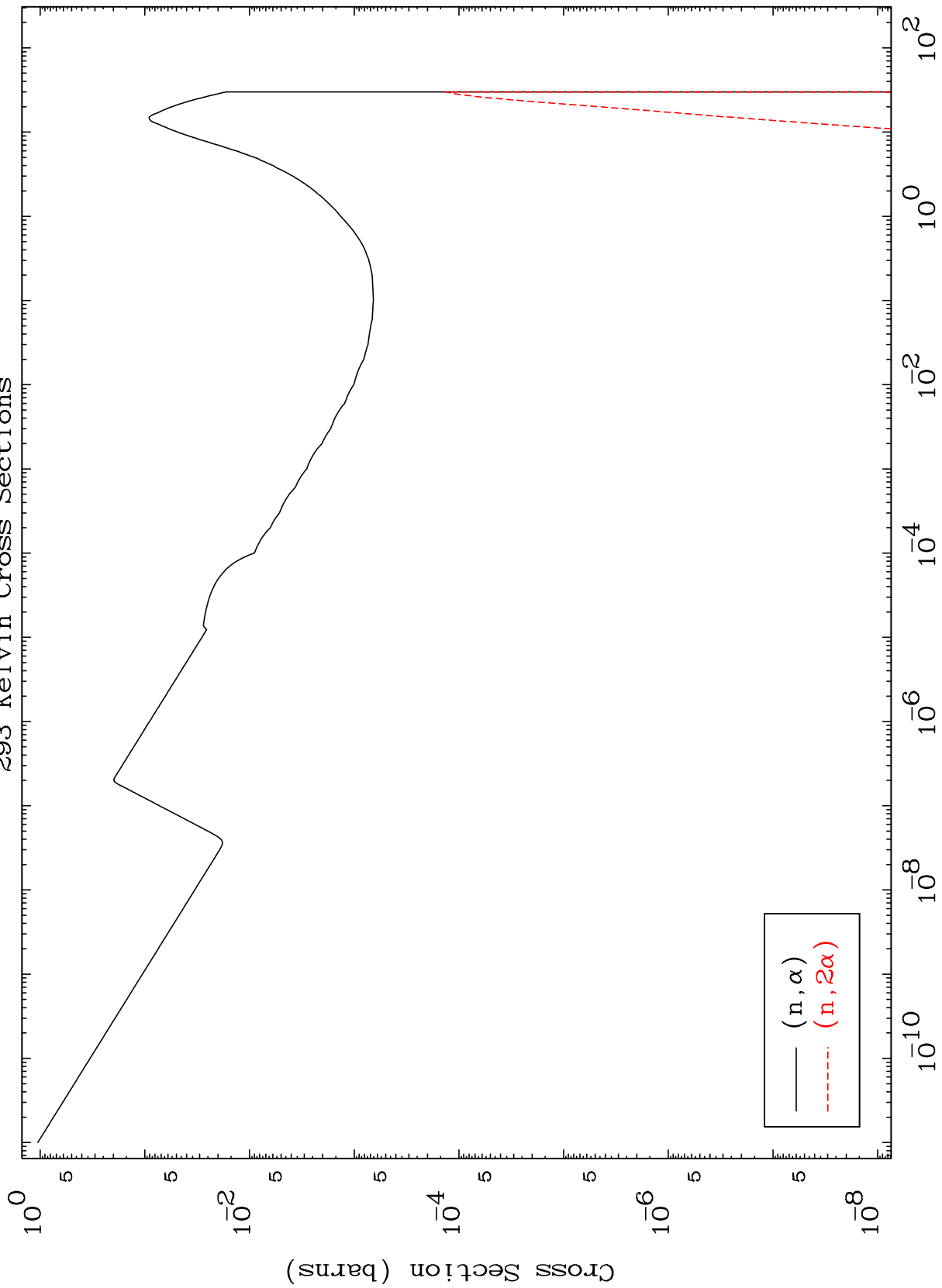
53-I -120m

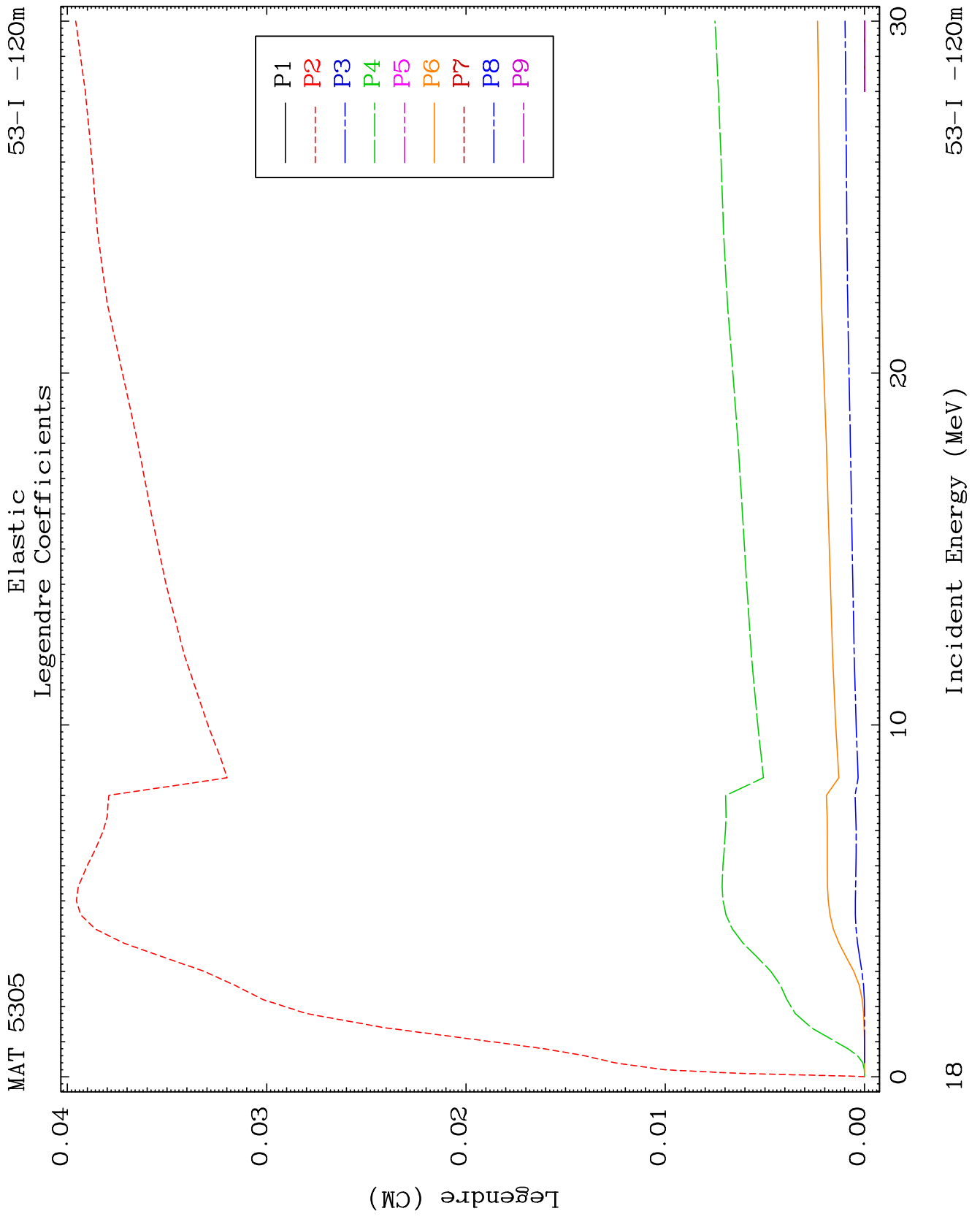


MAT 5305

(n,α) Levels
293 Kelvin Cross Sections

53-I -120m

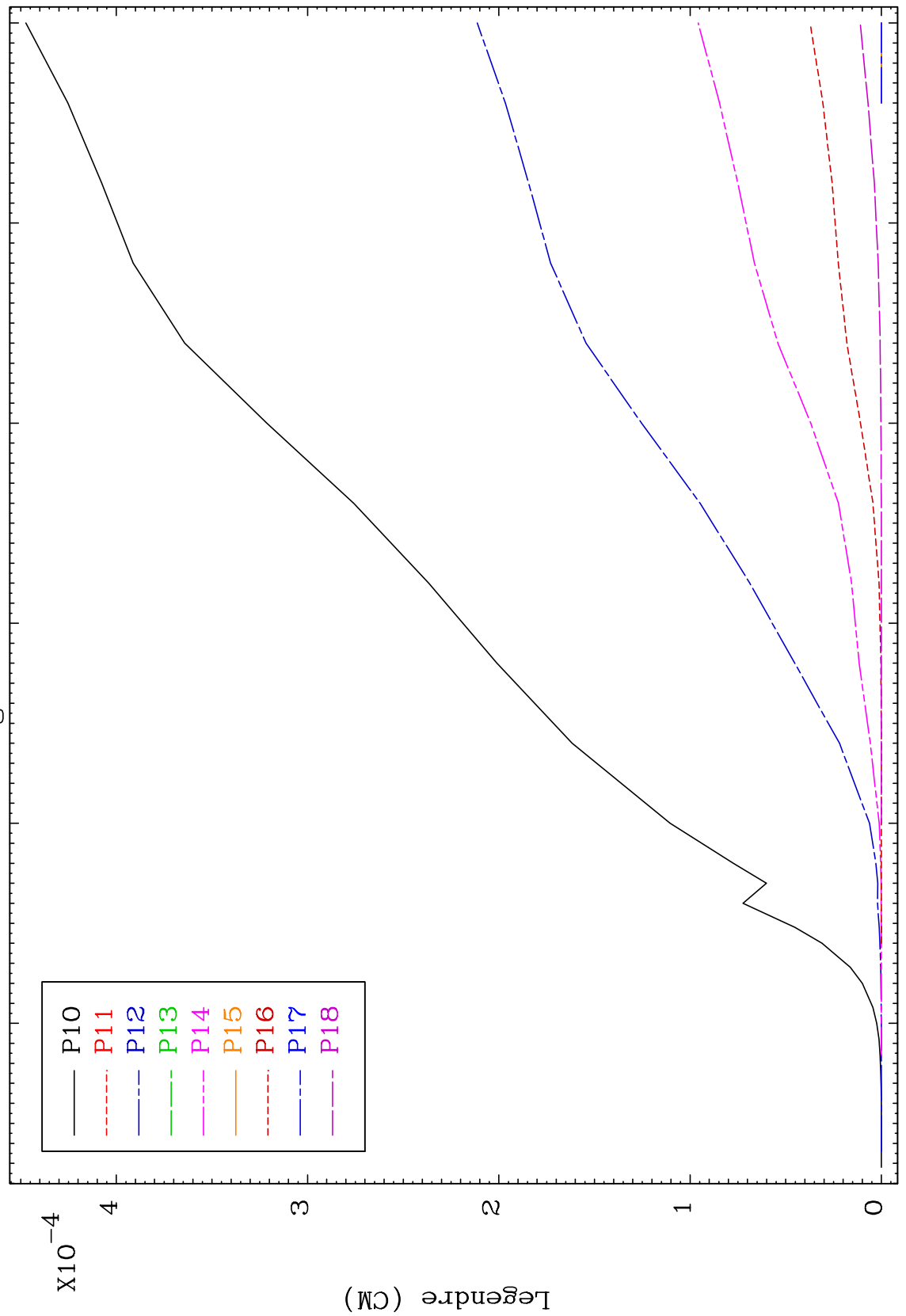




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Elastic Legendre Coefficients

53-I -120m



19

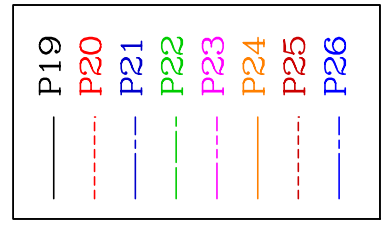
Incident Energy (MeV)

53-I -120m

MAT 5305

Elastic Legendre Coefficients

53-I -120m



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

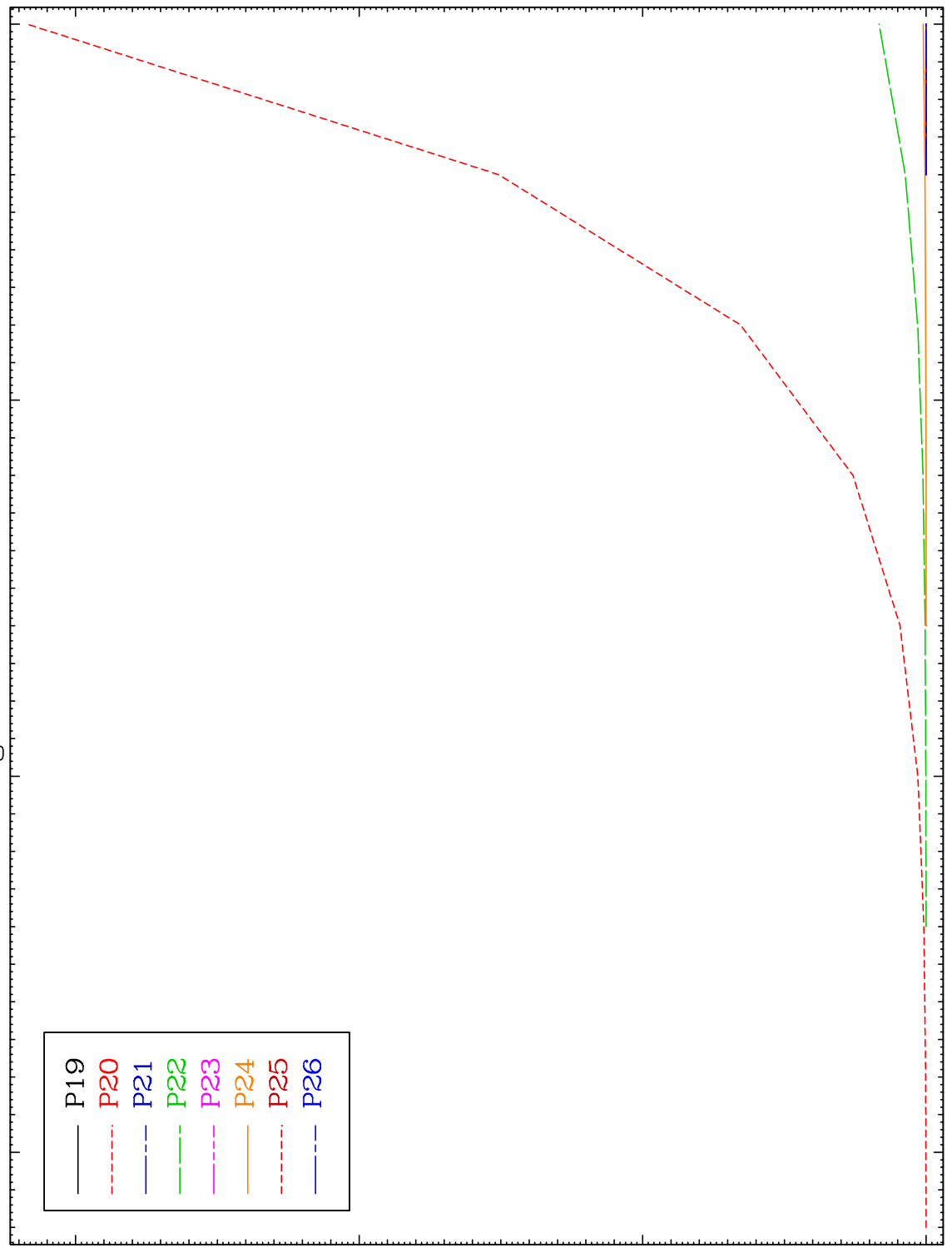
25

30

20

Incident Energy (MeV)

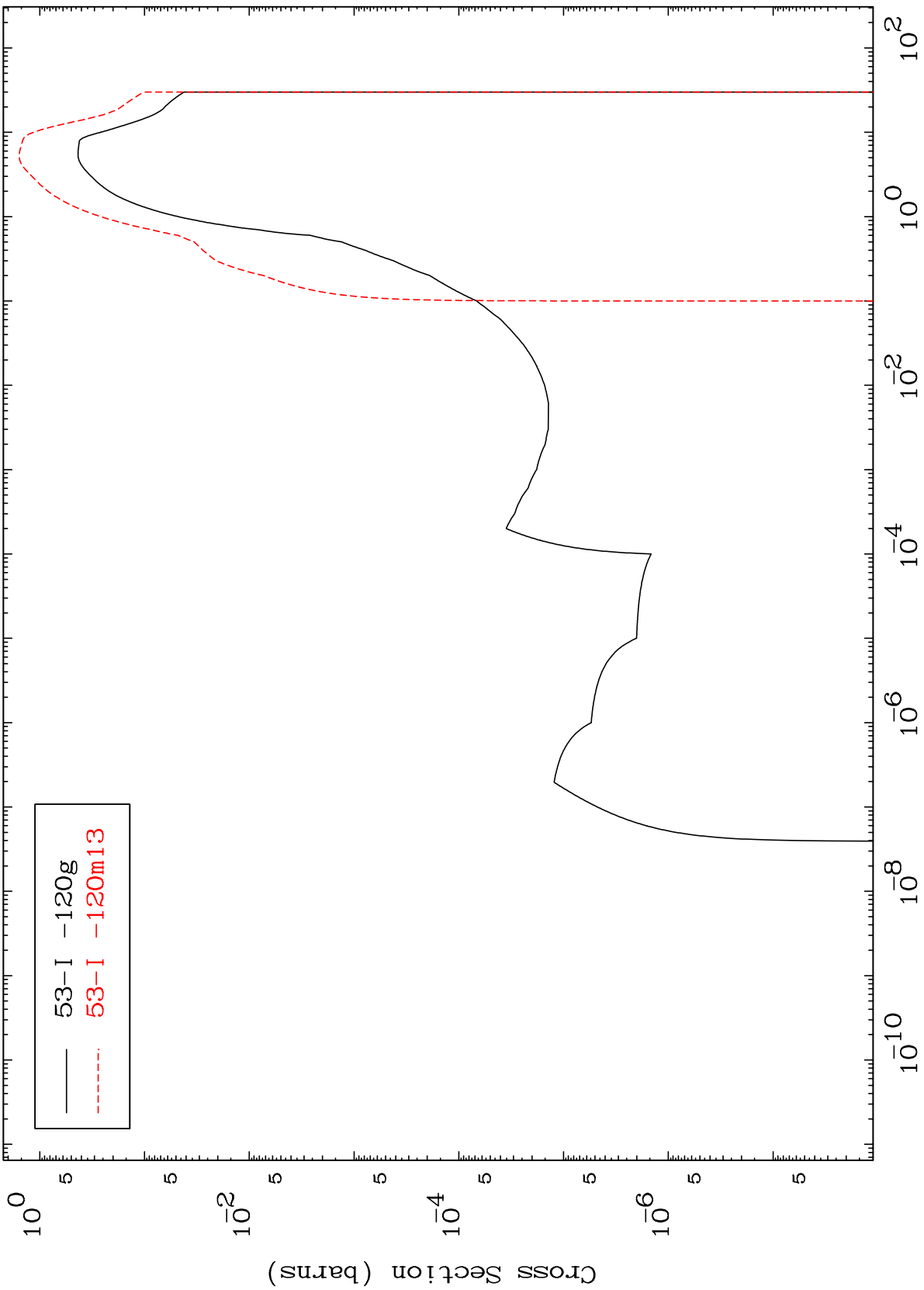
53-I -120m



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53-I -120m

Inelastic
Radionuclide Production Cross Section



53-I -120m

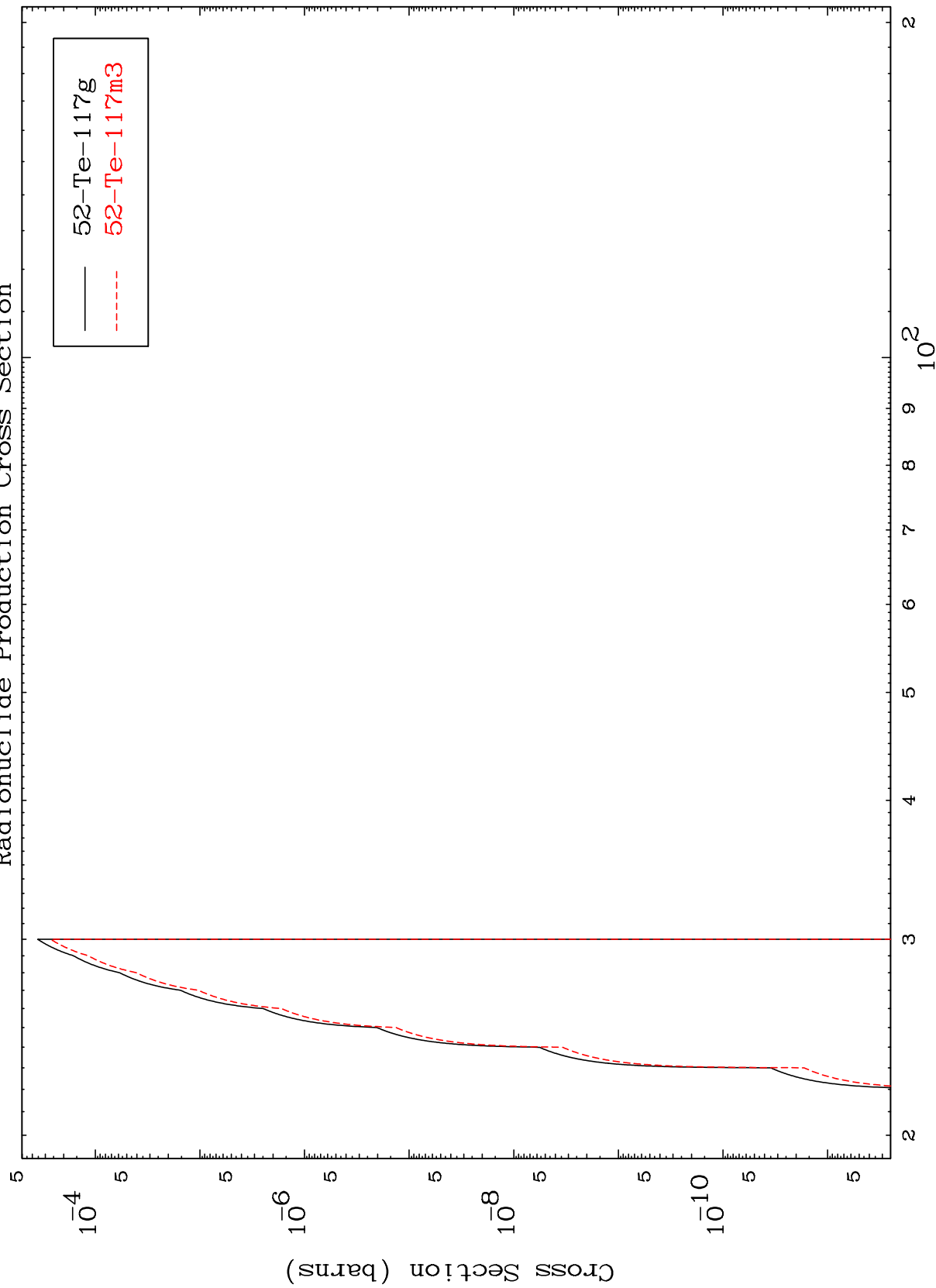
Incident Energy (MeV)

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(n,2n) d

53-I -120m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

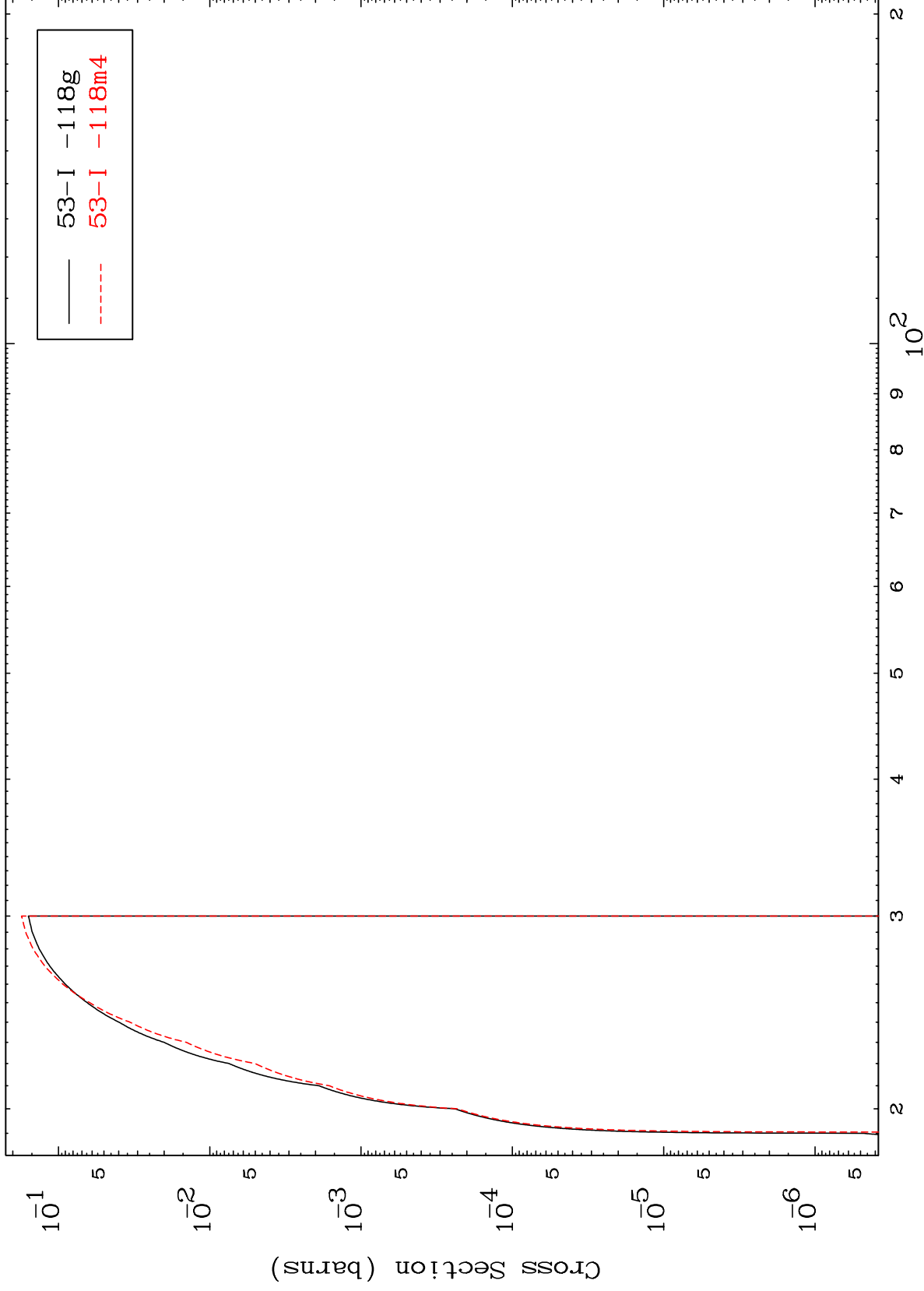
53-I -120m

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(n,3n)

53-I -120m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

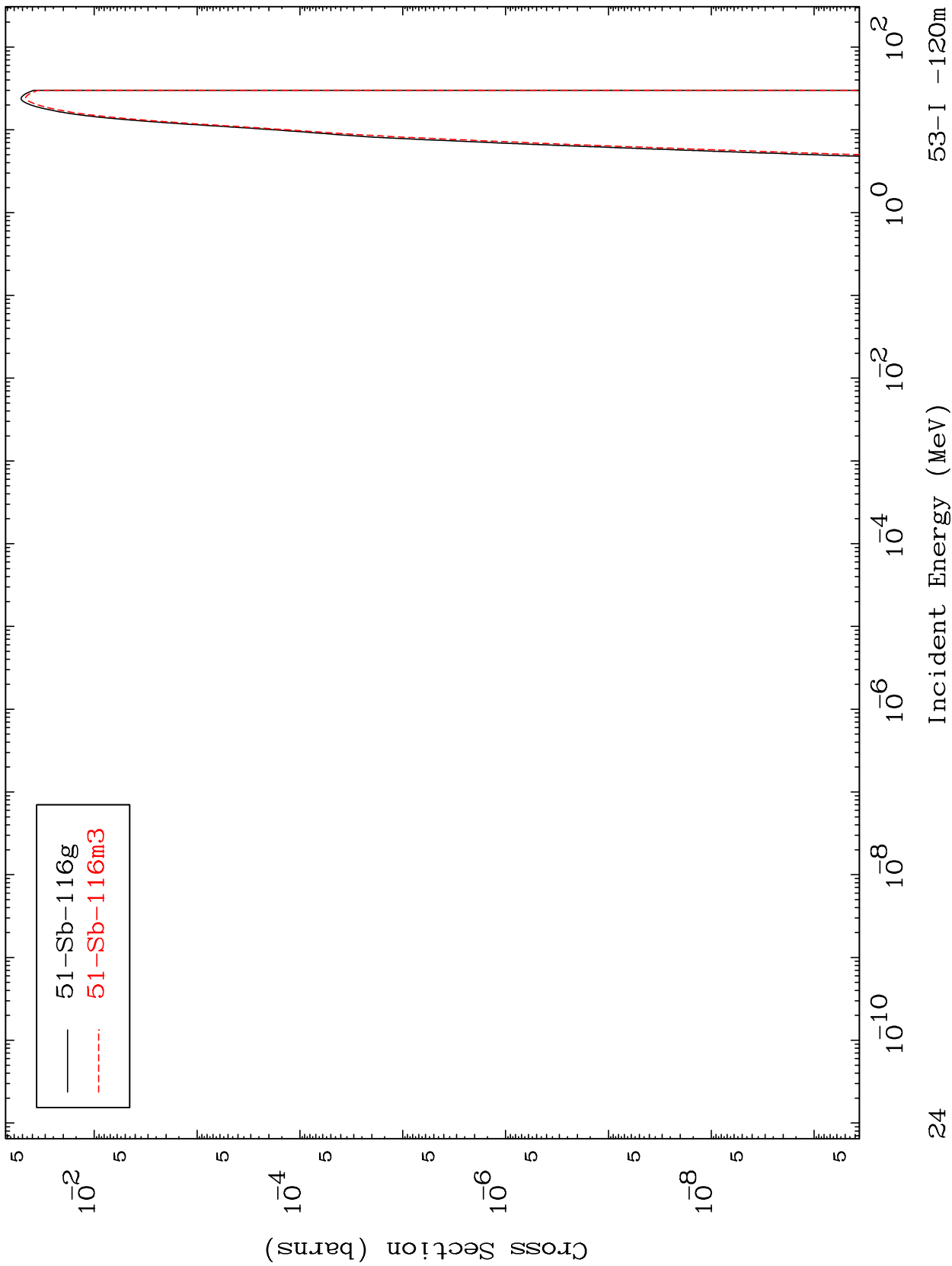
53-I -120m

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(n,n') α

53-I -120m

Radionuclide Production Cross Section



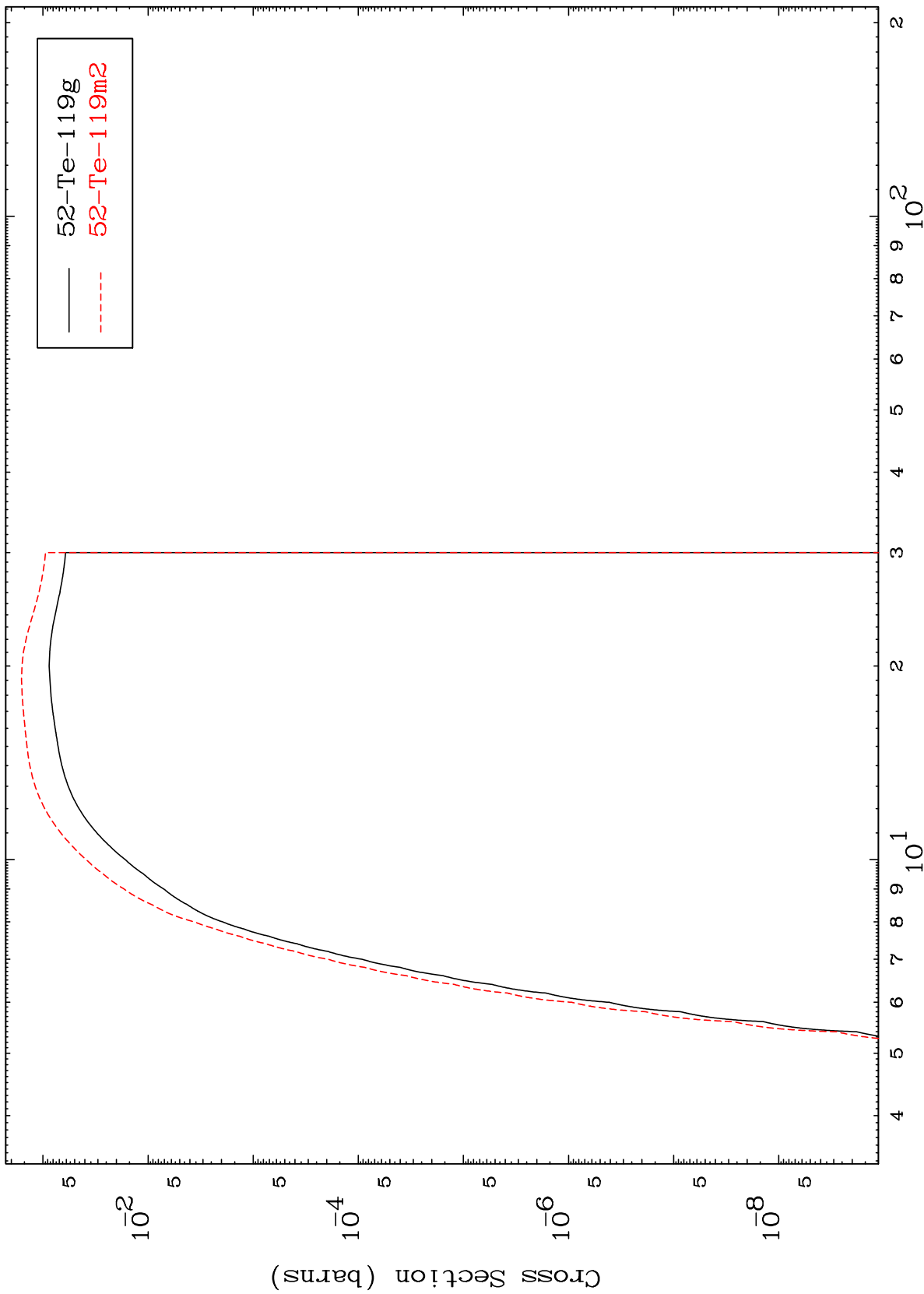
51-Sb-116g
51-Sb-116m3

MAT 5305

(n,n') p

53-I -120m

Radionuclide Production Cross Section



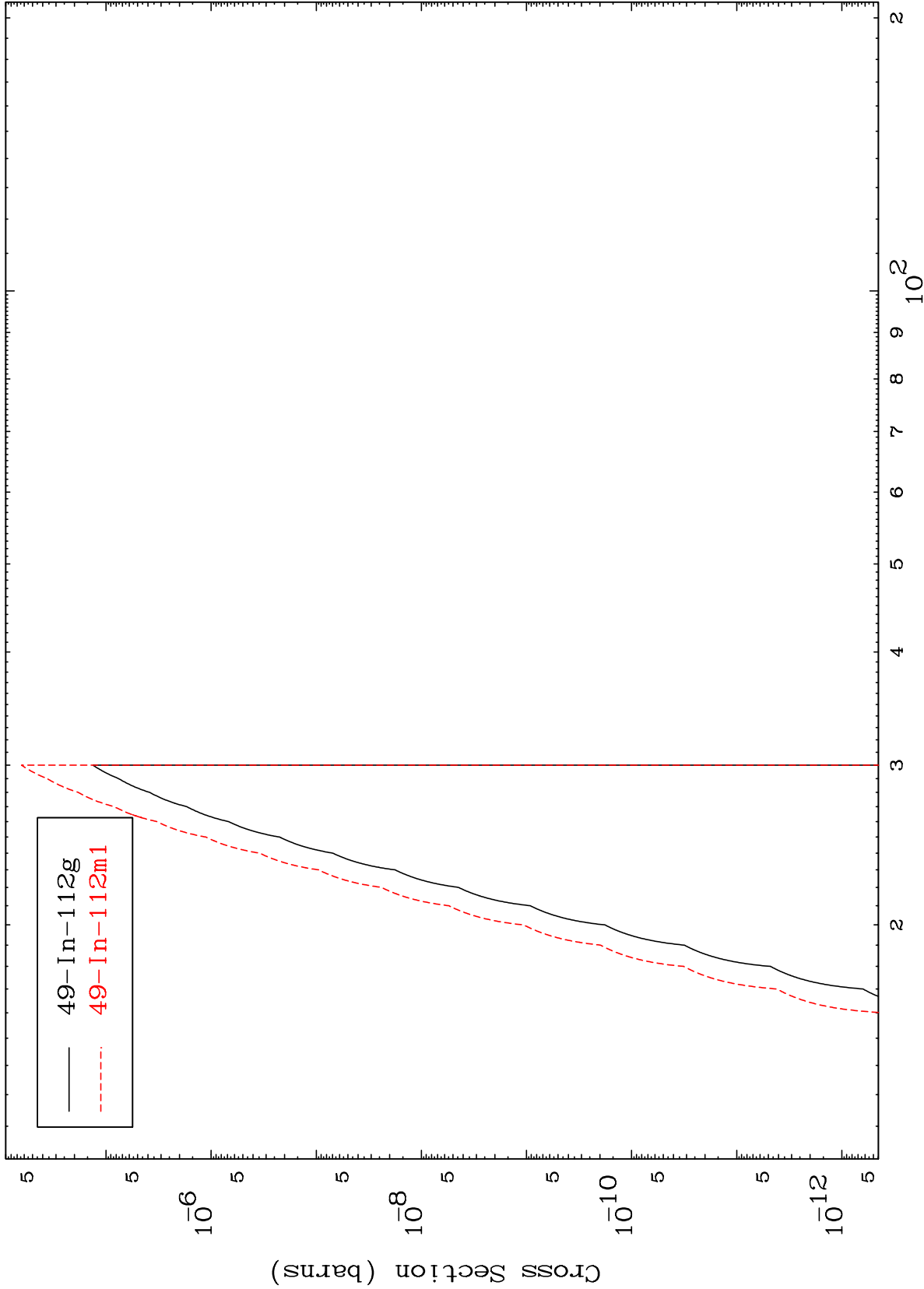
52-Te-119g
52-Te-119m2

25

Incident Energy (MeV)

53-I -120m

Radionuclide Production Cross Section

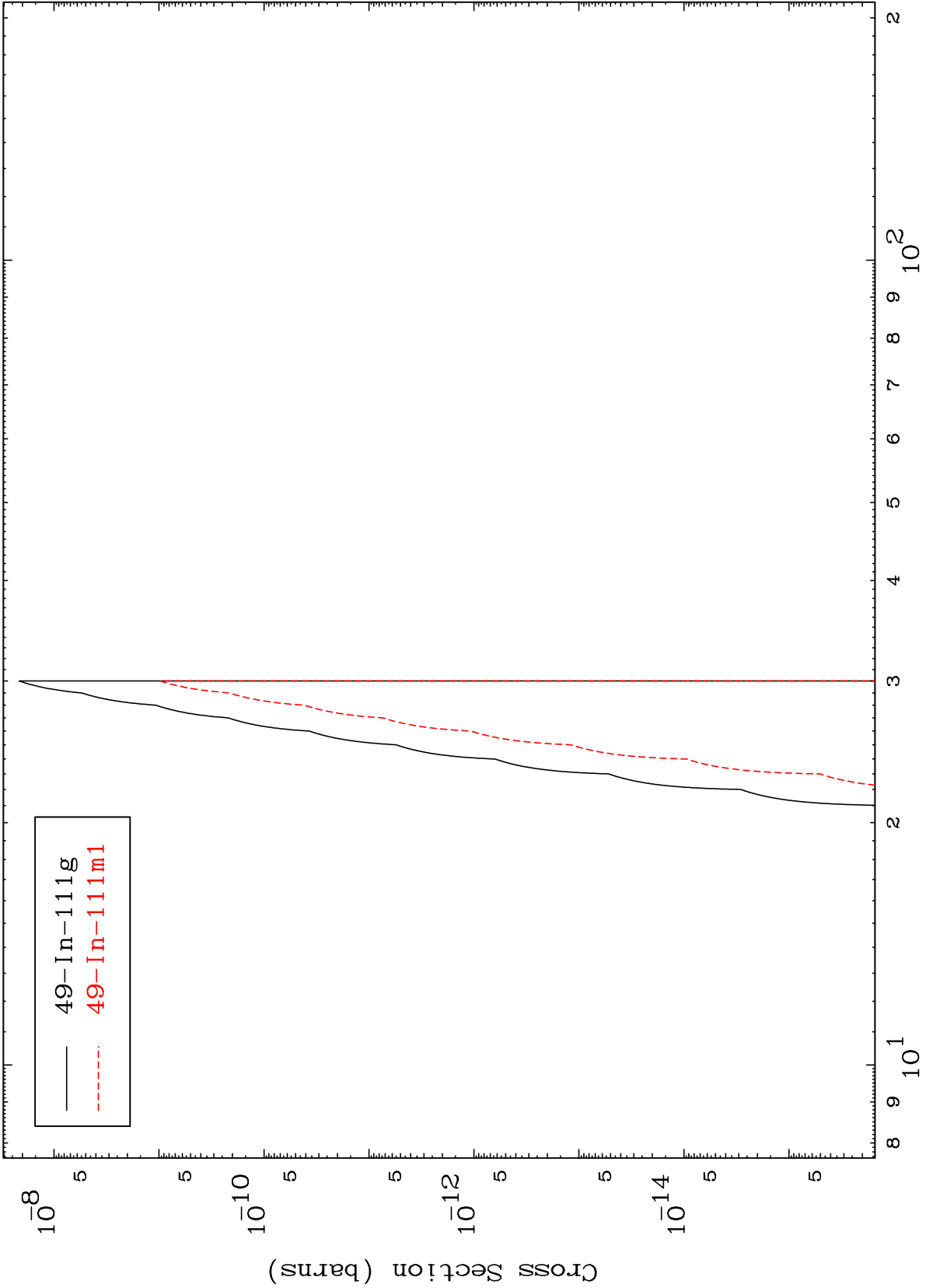


MAT 5305

(n,2n) 2α

53-I -120m

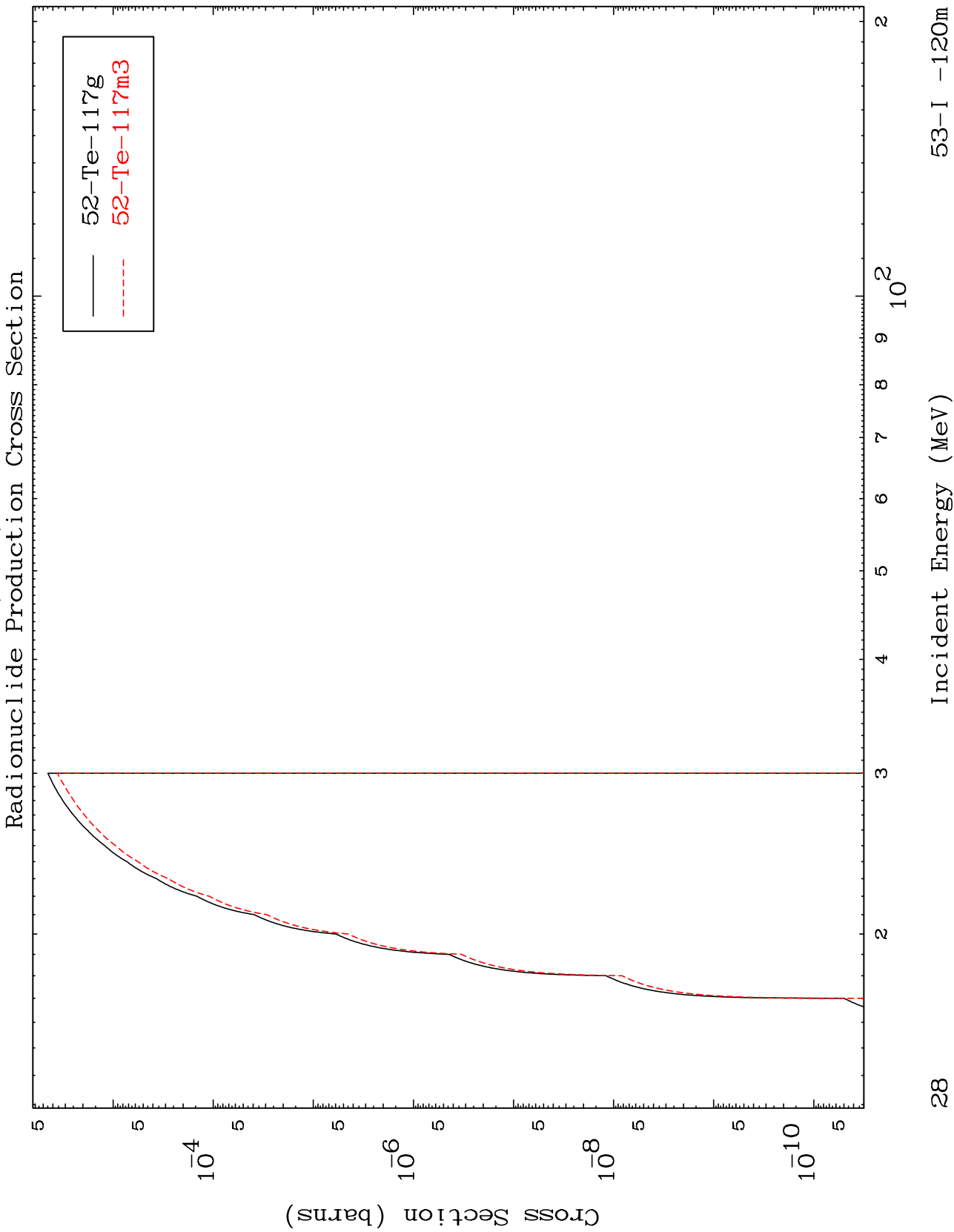
Radionuclide Production Cross Section



27

Incident Energy (MeV)

53-I -120m

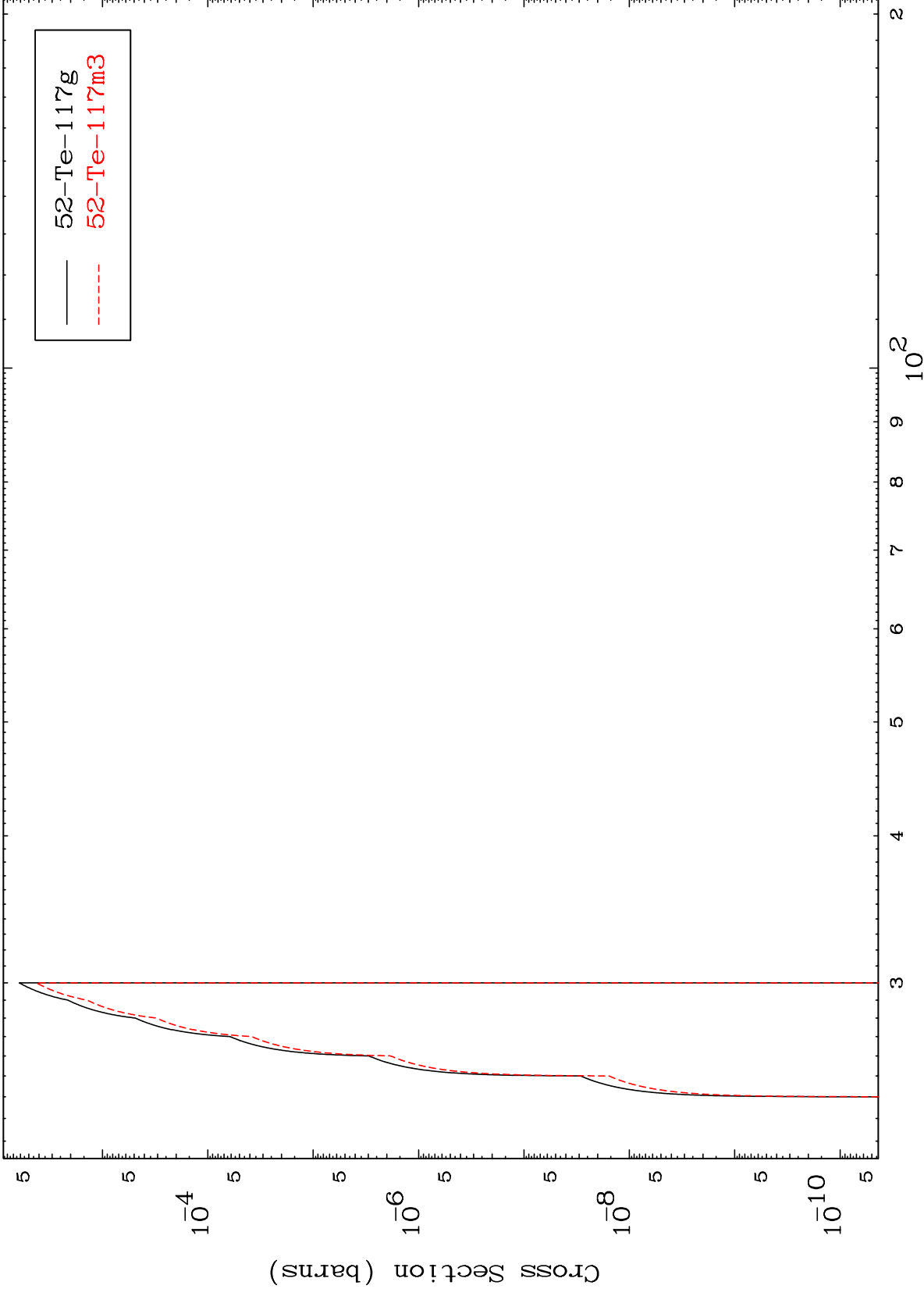


MAT 5305

(n,3n) p

53-I -120m

Radionuclide Production Cross Section



29

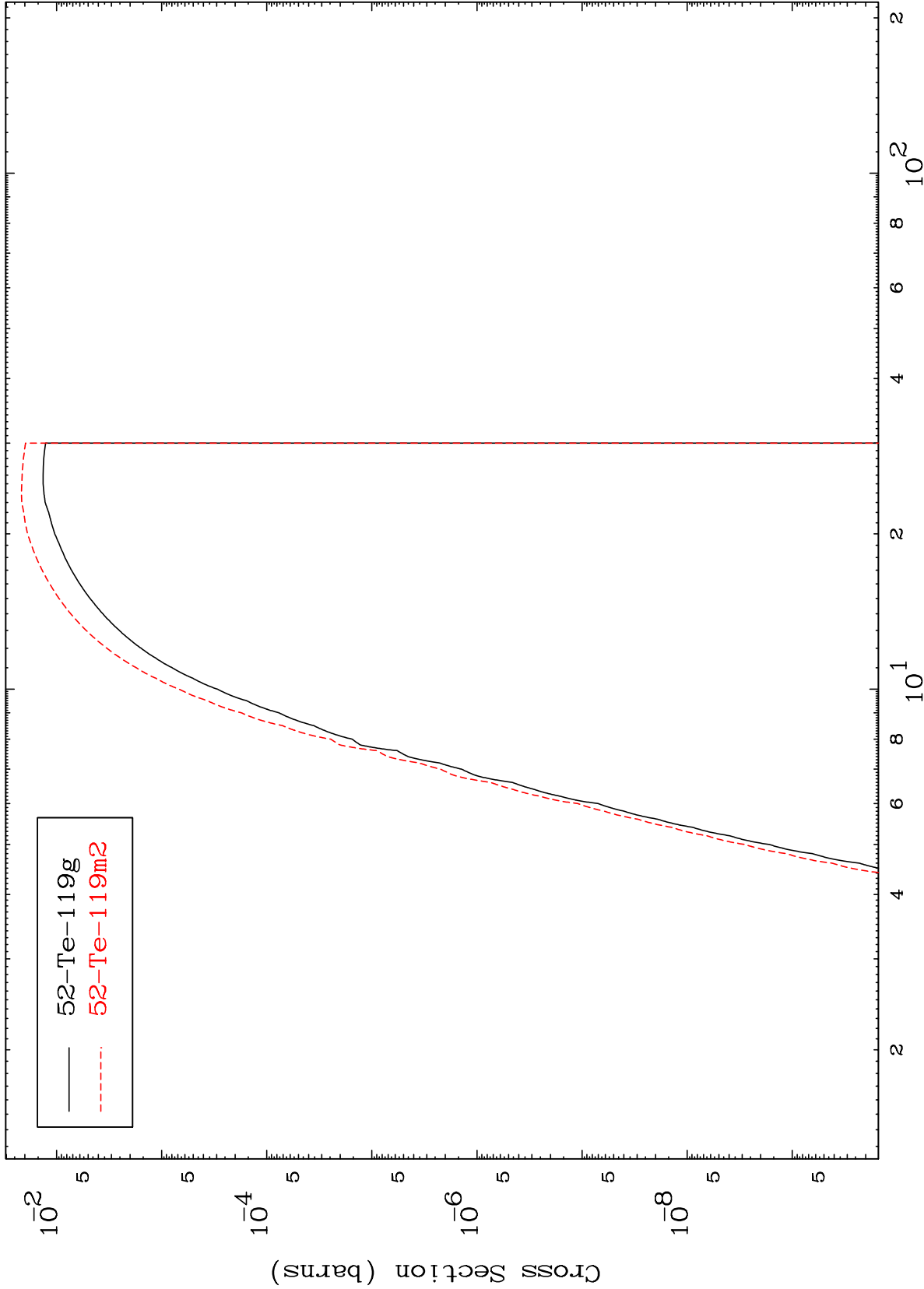
Incident Energy (MeV)

53-I -120m

MAT 5305

53-I -120m

(n,d)
Radionuclide Production Cross Section



30

53-I -120m

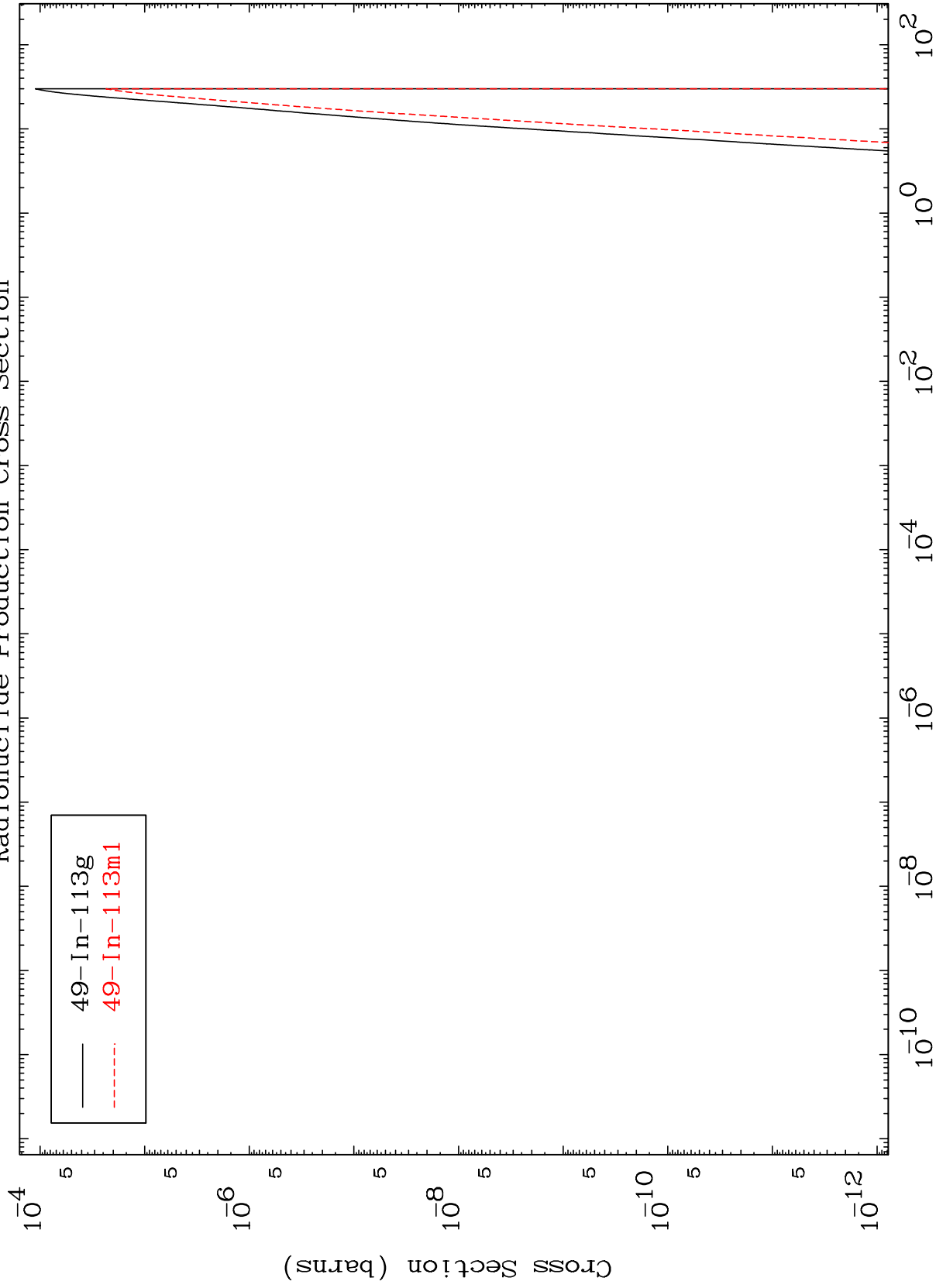
Incident Energy (MeV)

MAT 5305

(n,2α)

53-I -120m

Radionuclide Production Cross Section



— 49-In-113g
- - - 49-In-113m1

Incident Energy (MeV)

53-I -120m