

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

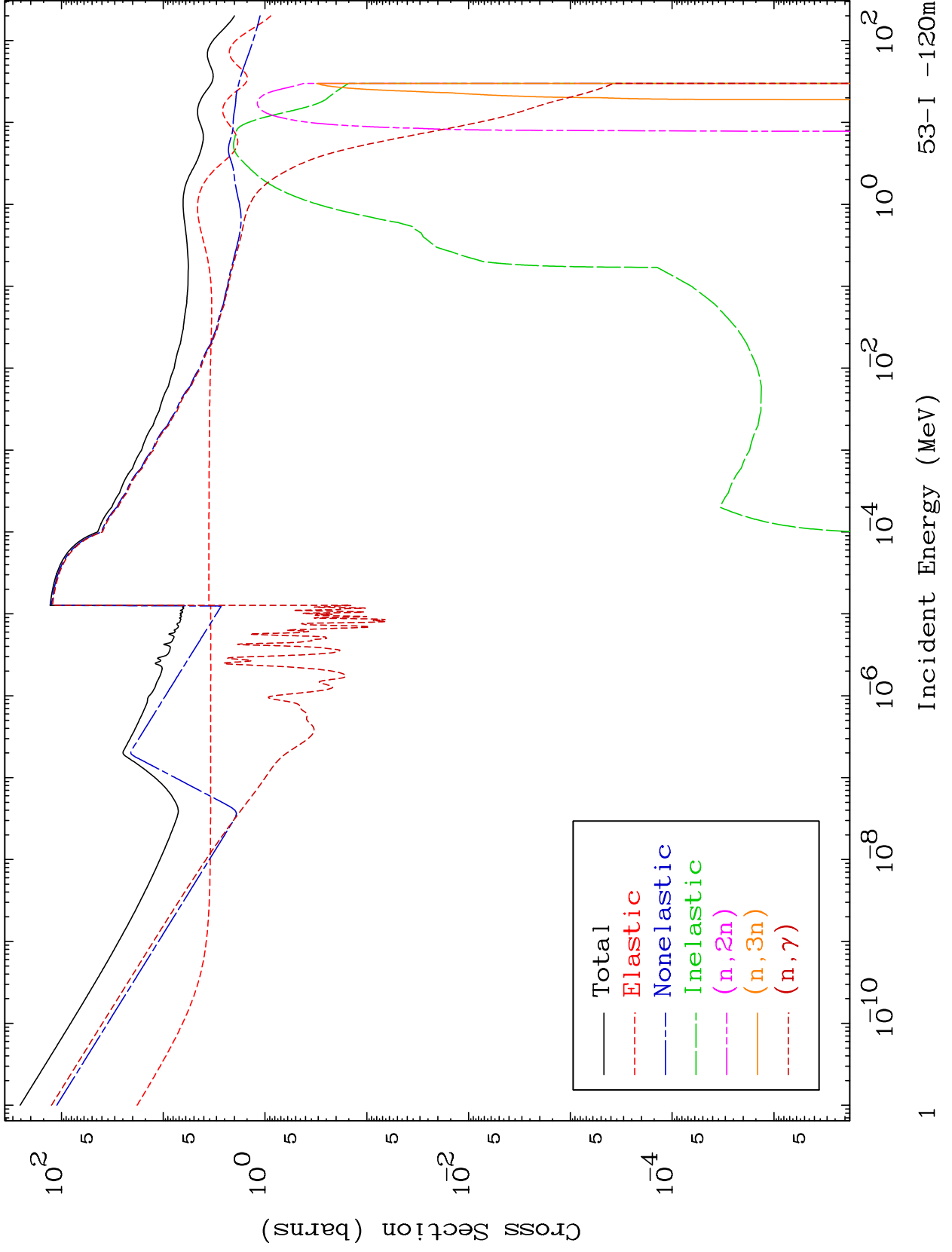
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5305

Neutron Major
293 Kelvin Cross Sections

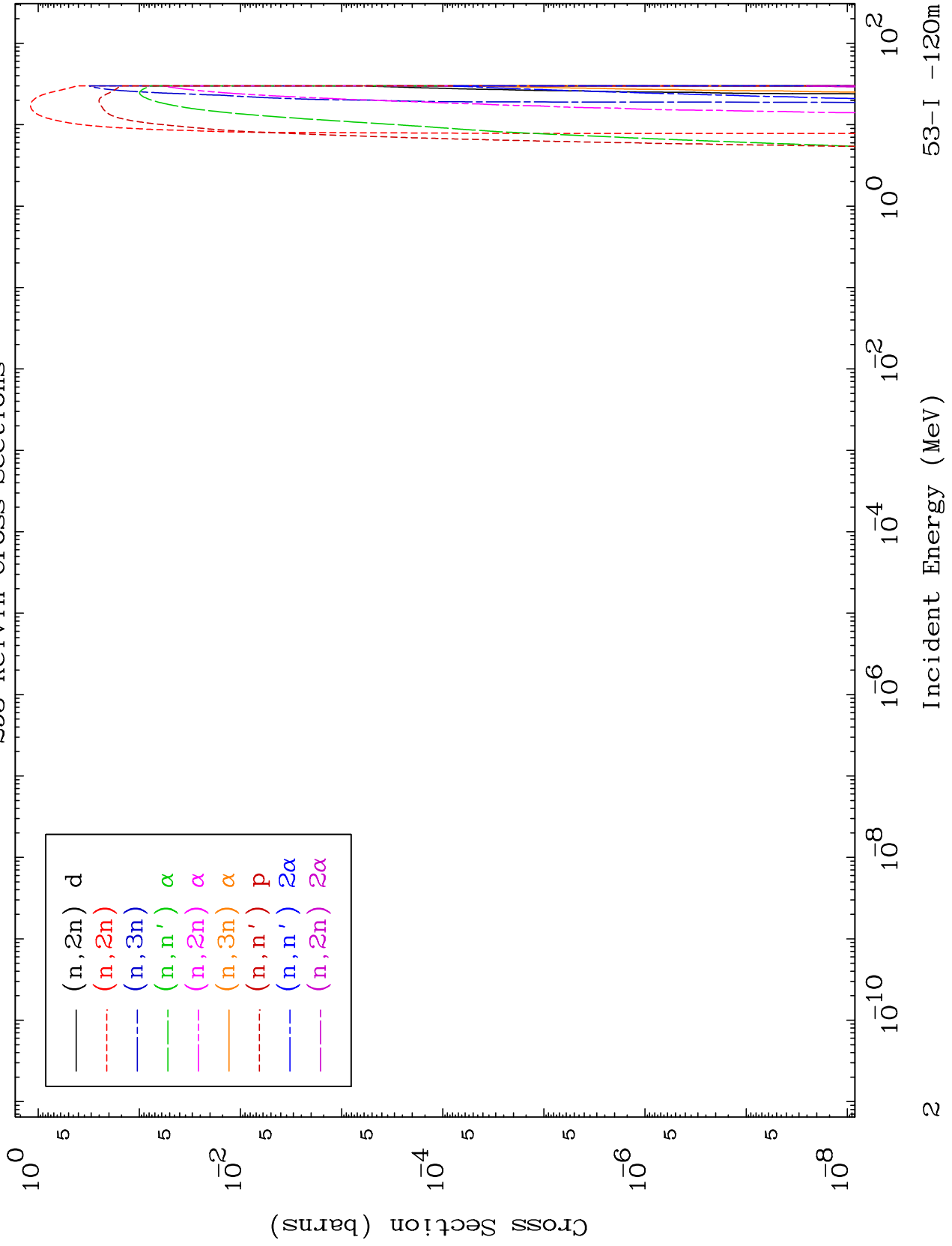
53-I -120m



MAT 5305

Neutron Absorption
293 Kelvin Cross Sections

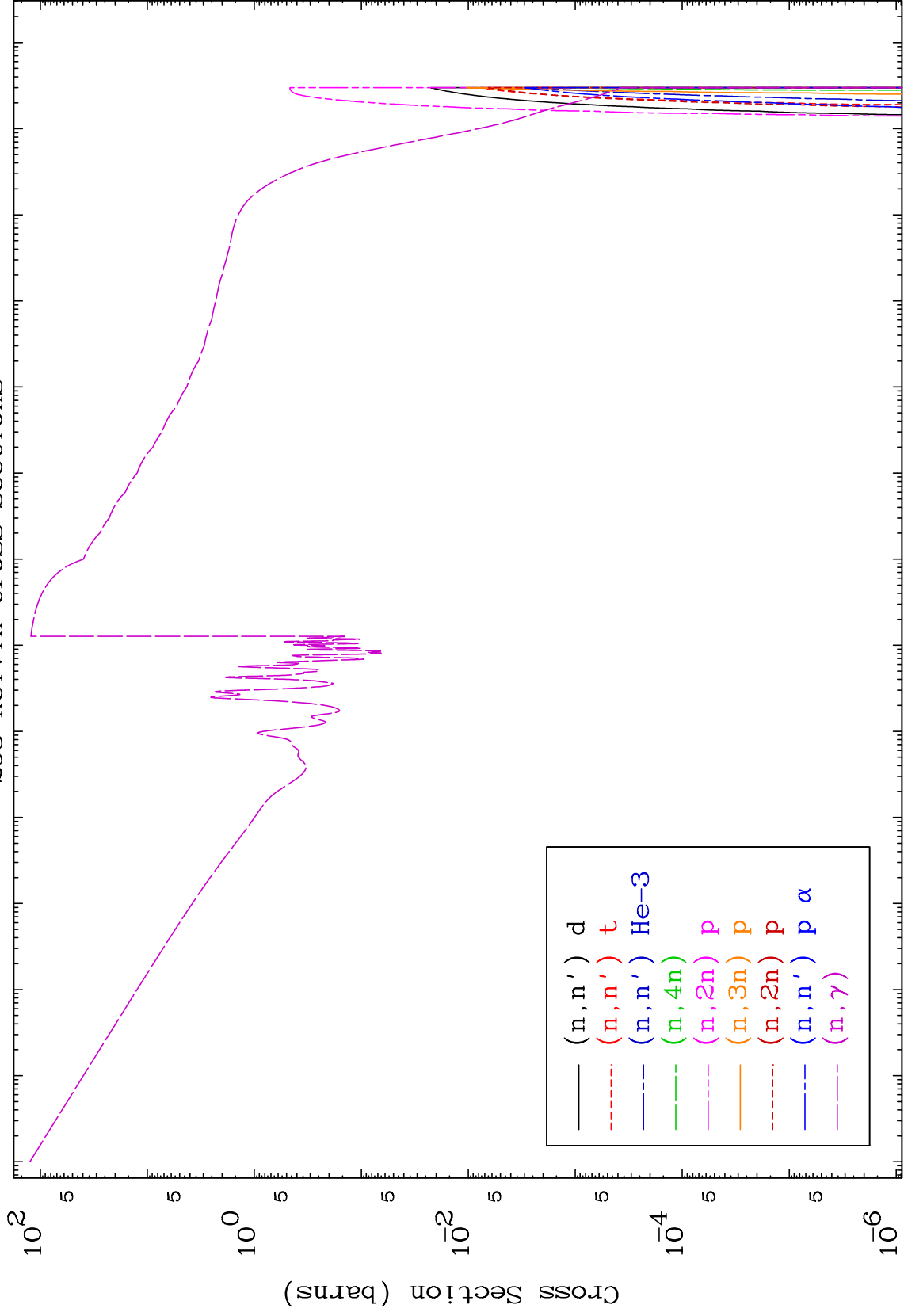
53-I -120m



MAT 5305

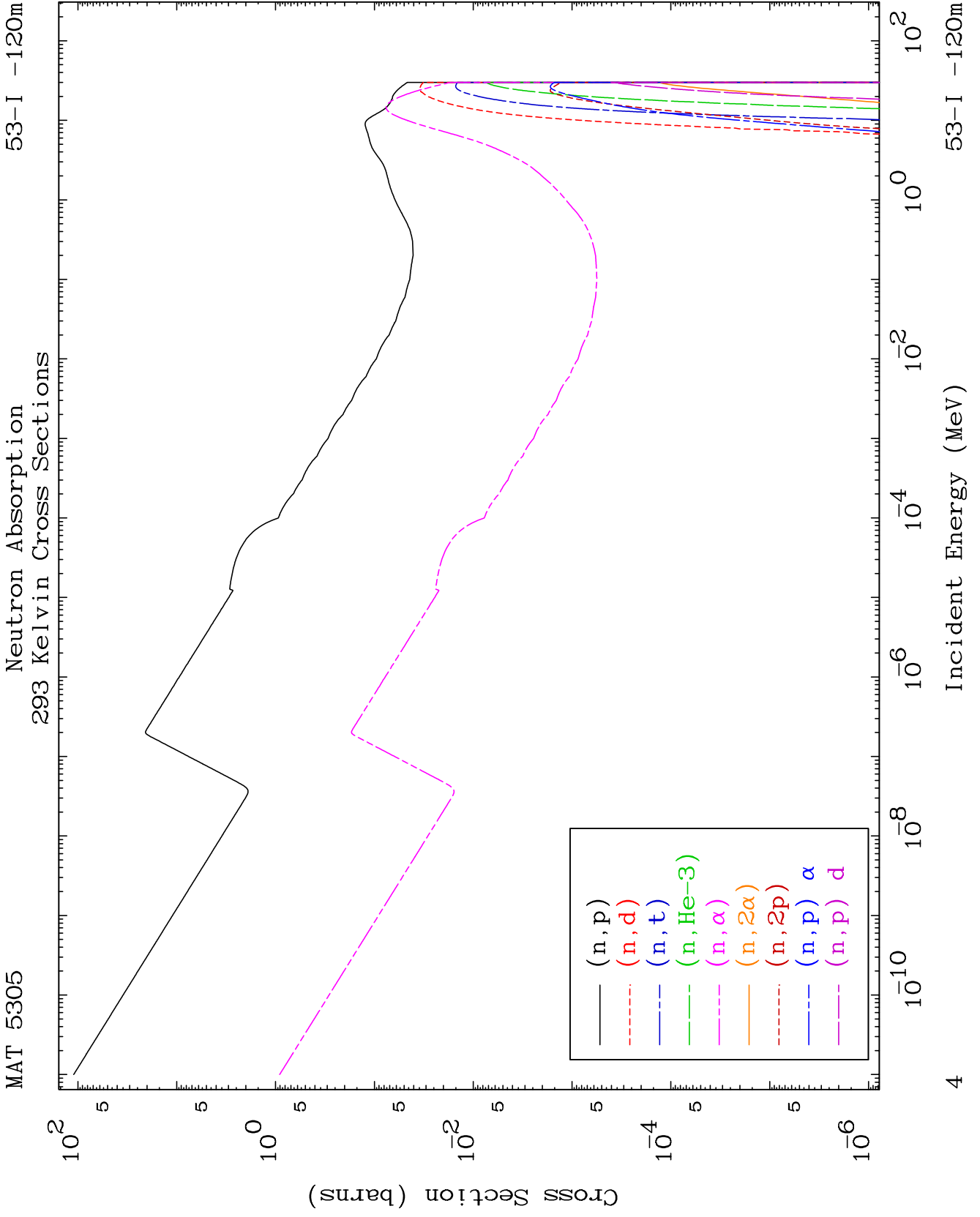
Neutron Absorption
293 Kelvin Cross Sections

53-I -120m



53-I -120m

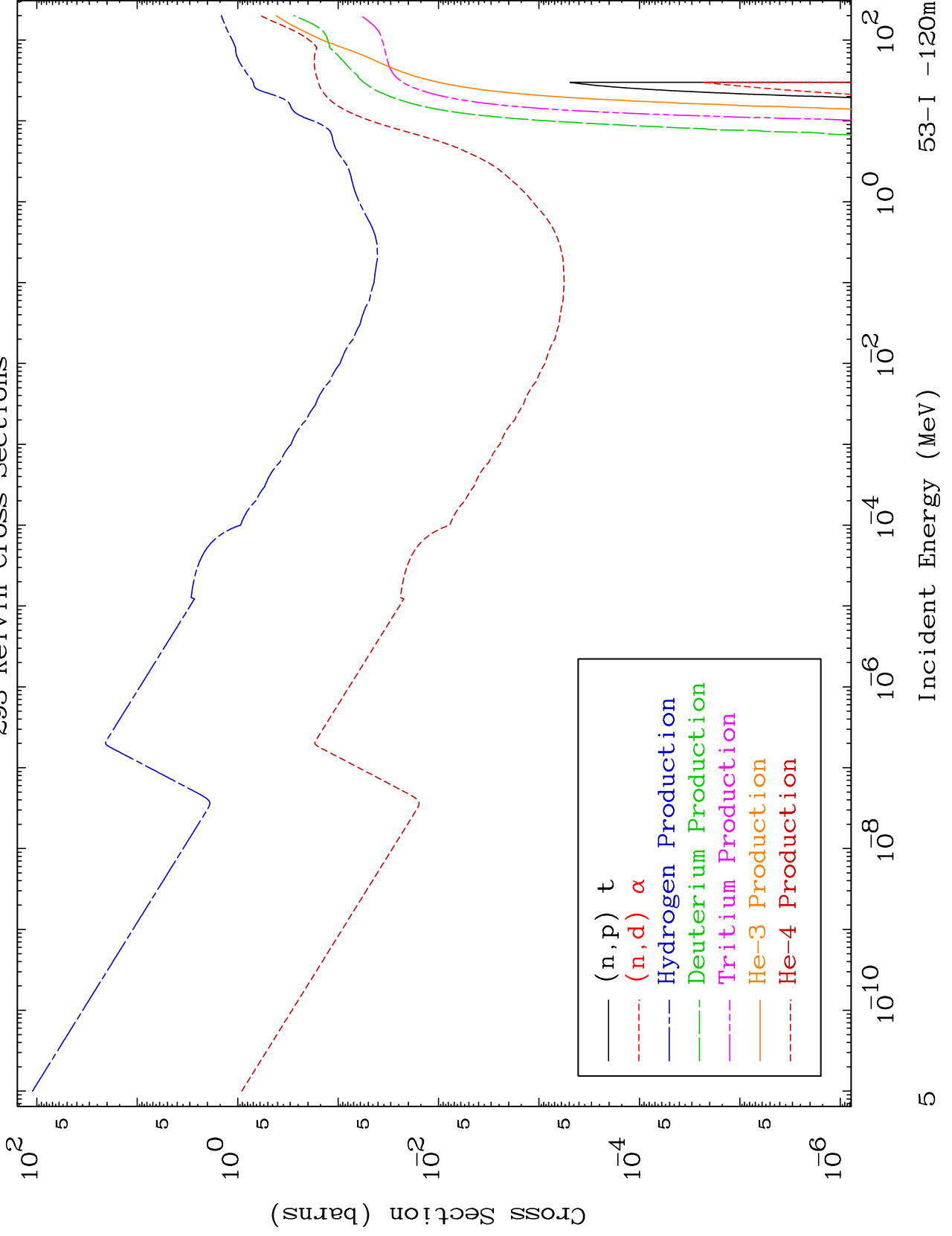
Incident Energy (MeV)



MAT 5305

Neutron Absorption
293 Kelvin Cross Sections

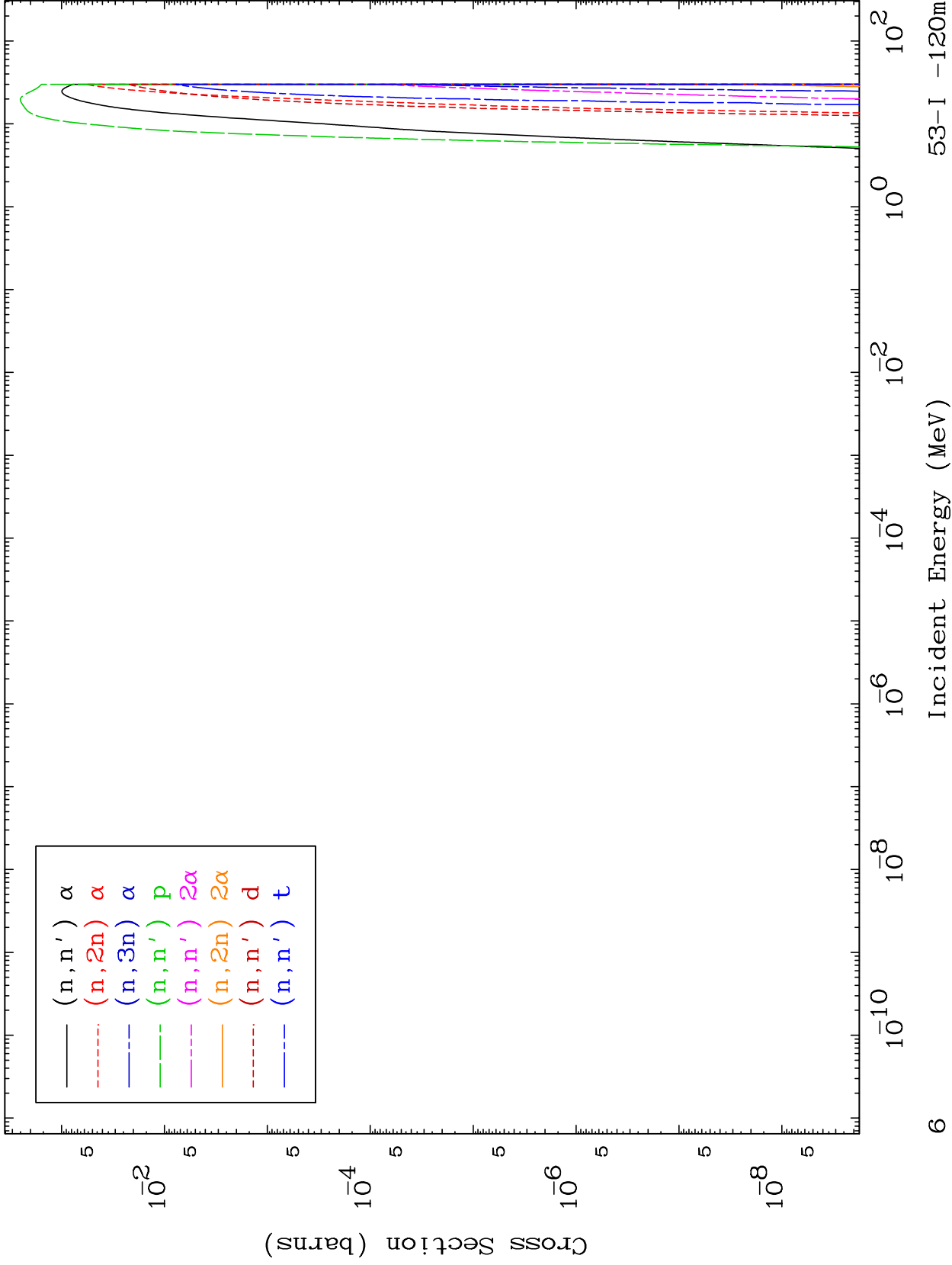
53-I -120m

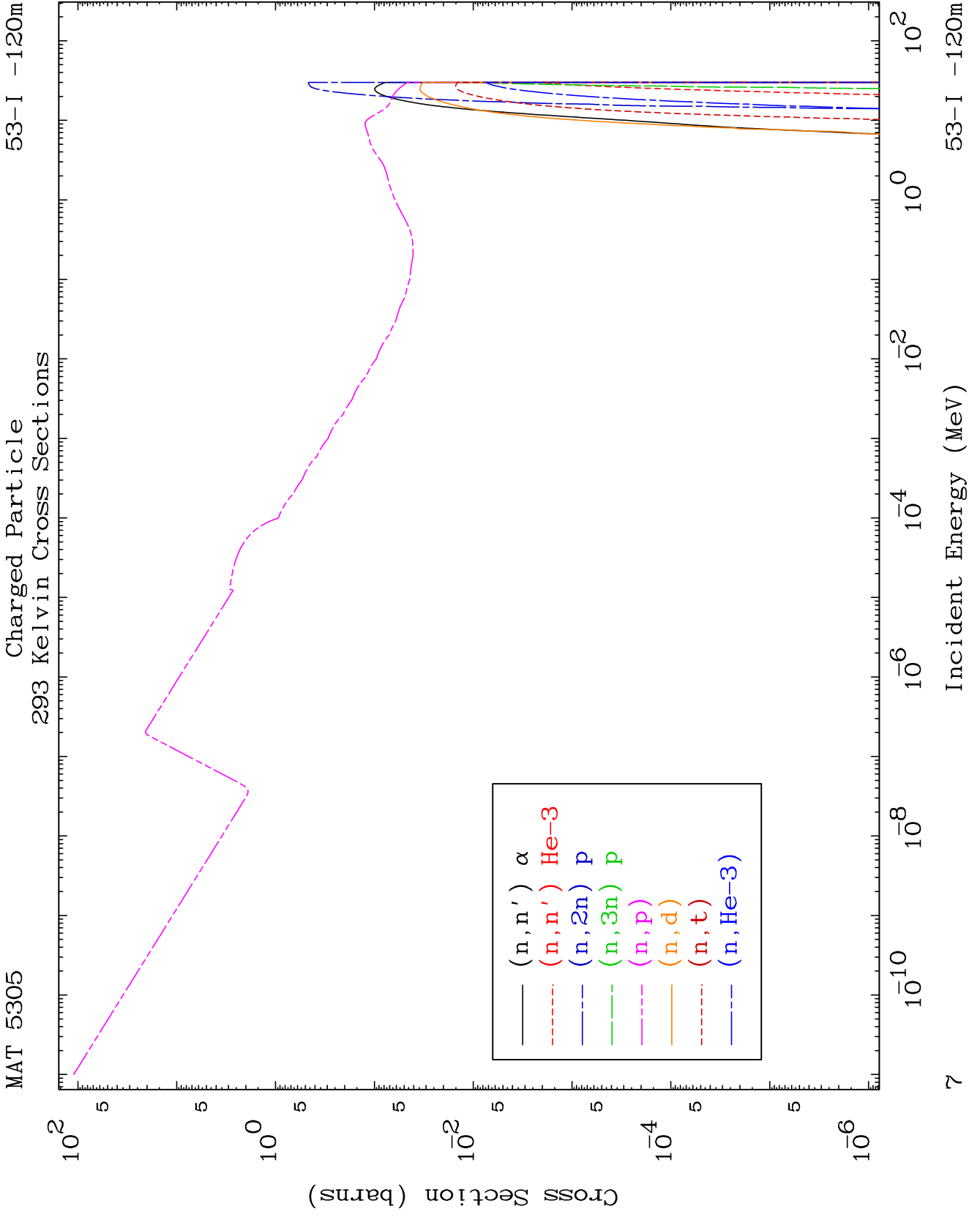


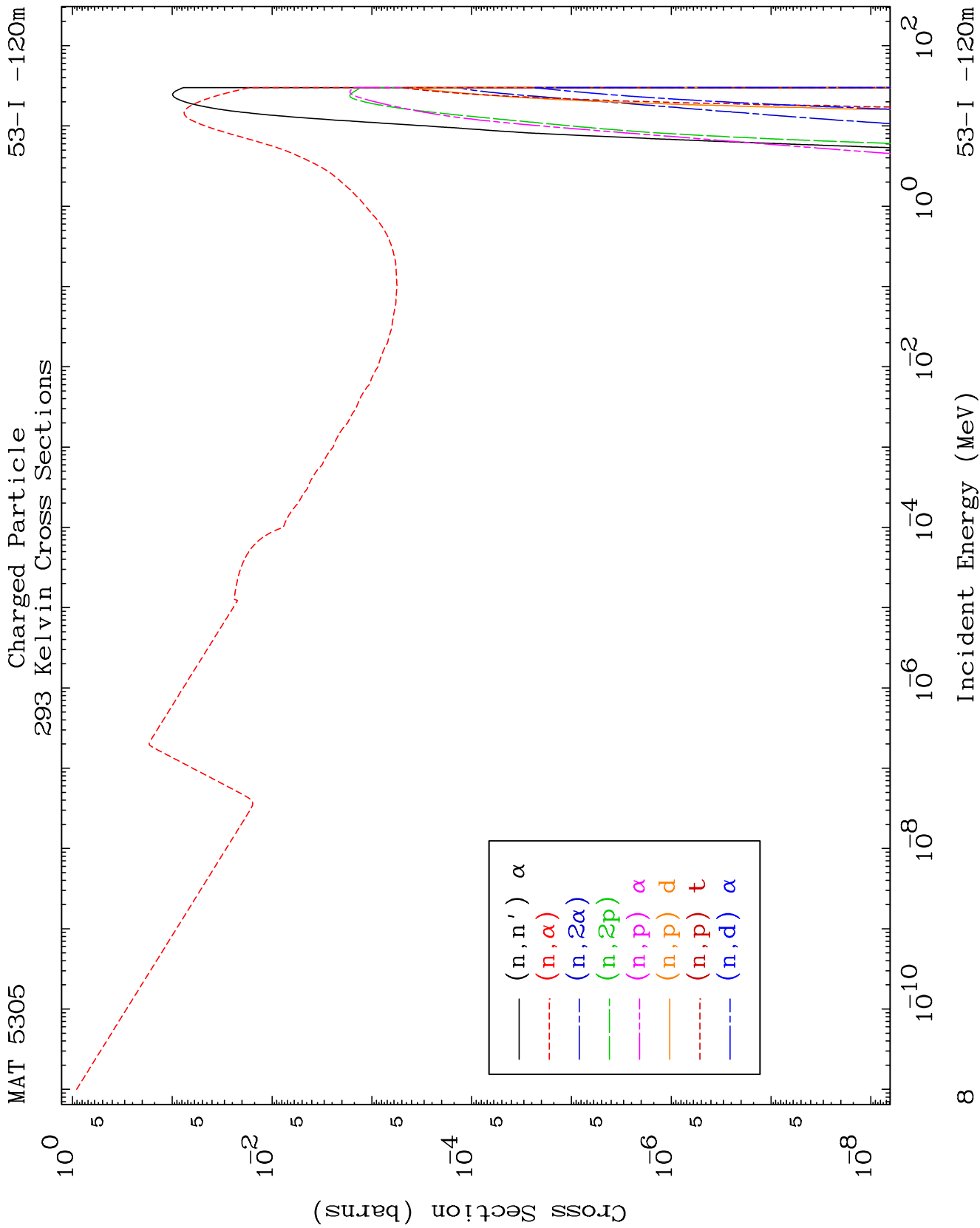
MAT 5305

Charged Particle
293 Kelvin Cross Sections

53-I -120m



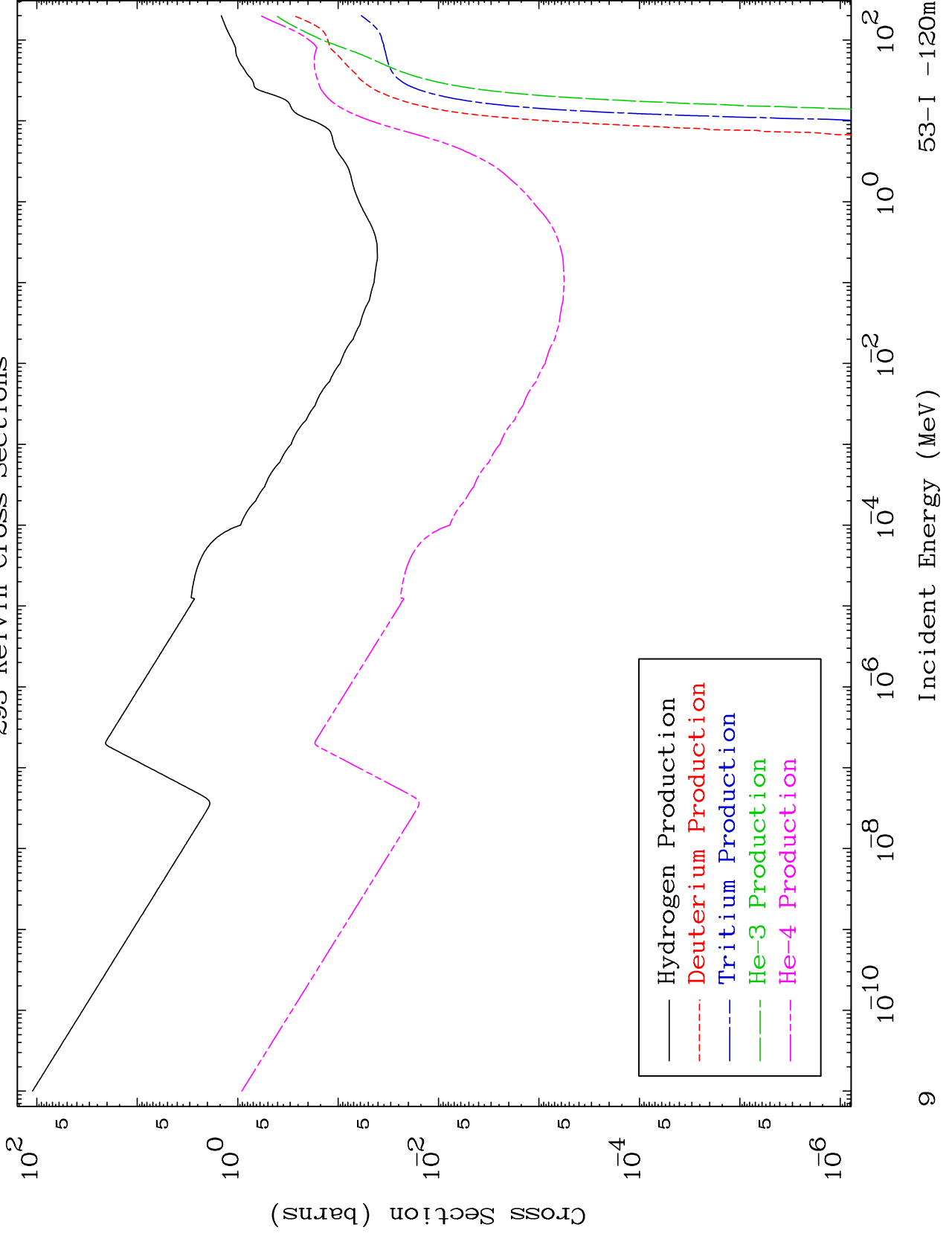




MAT 5305

Particle Production
293 Kelvin Cross Sections

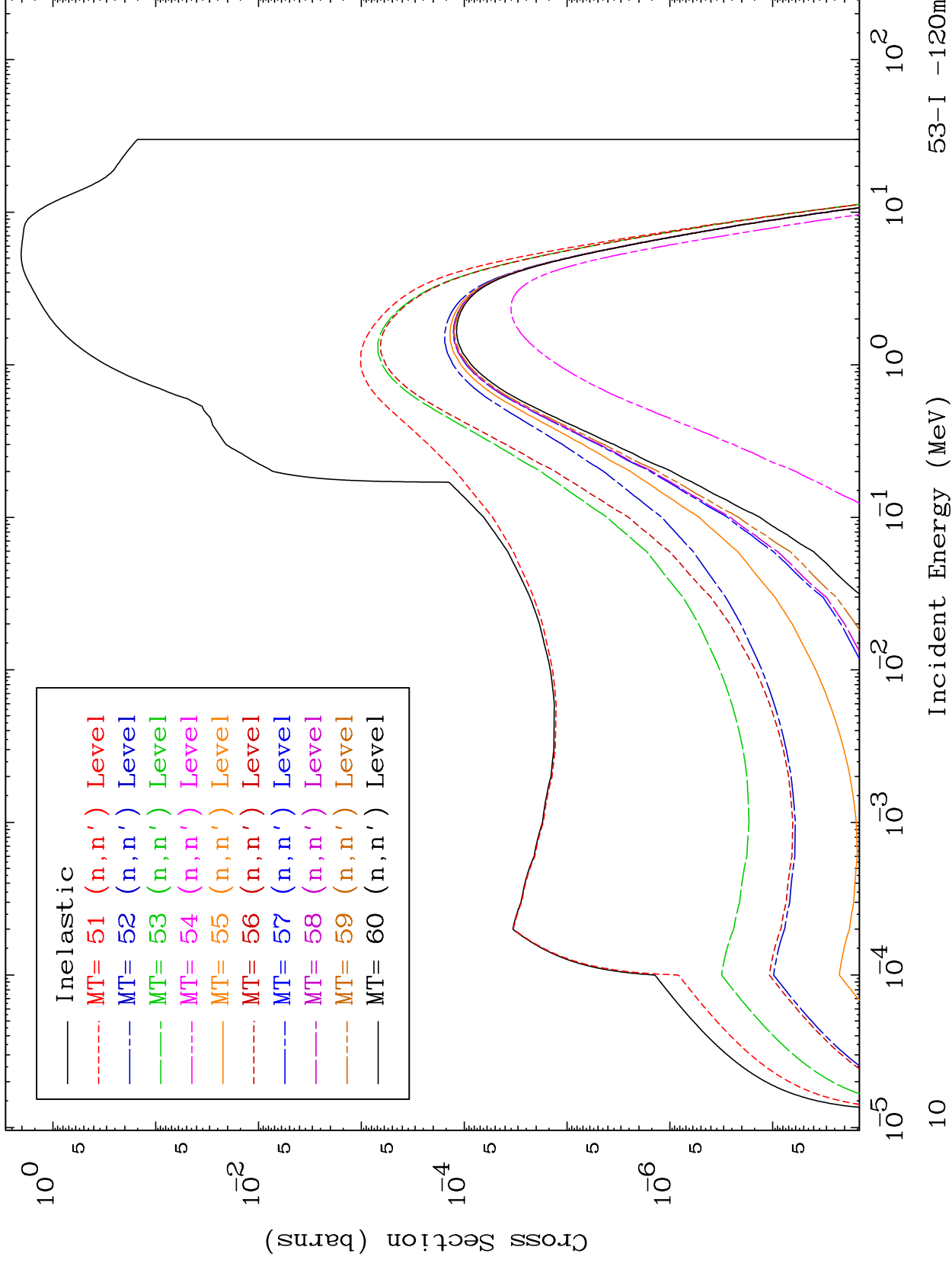
53-I -120m



MAT 5305

(n,n') Levels
293 Kelvin Cross Sections

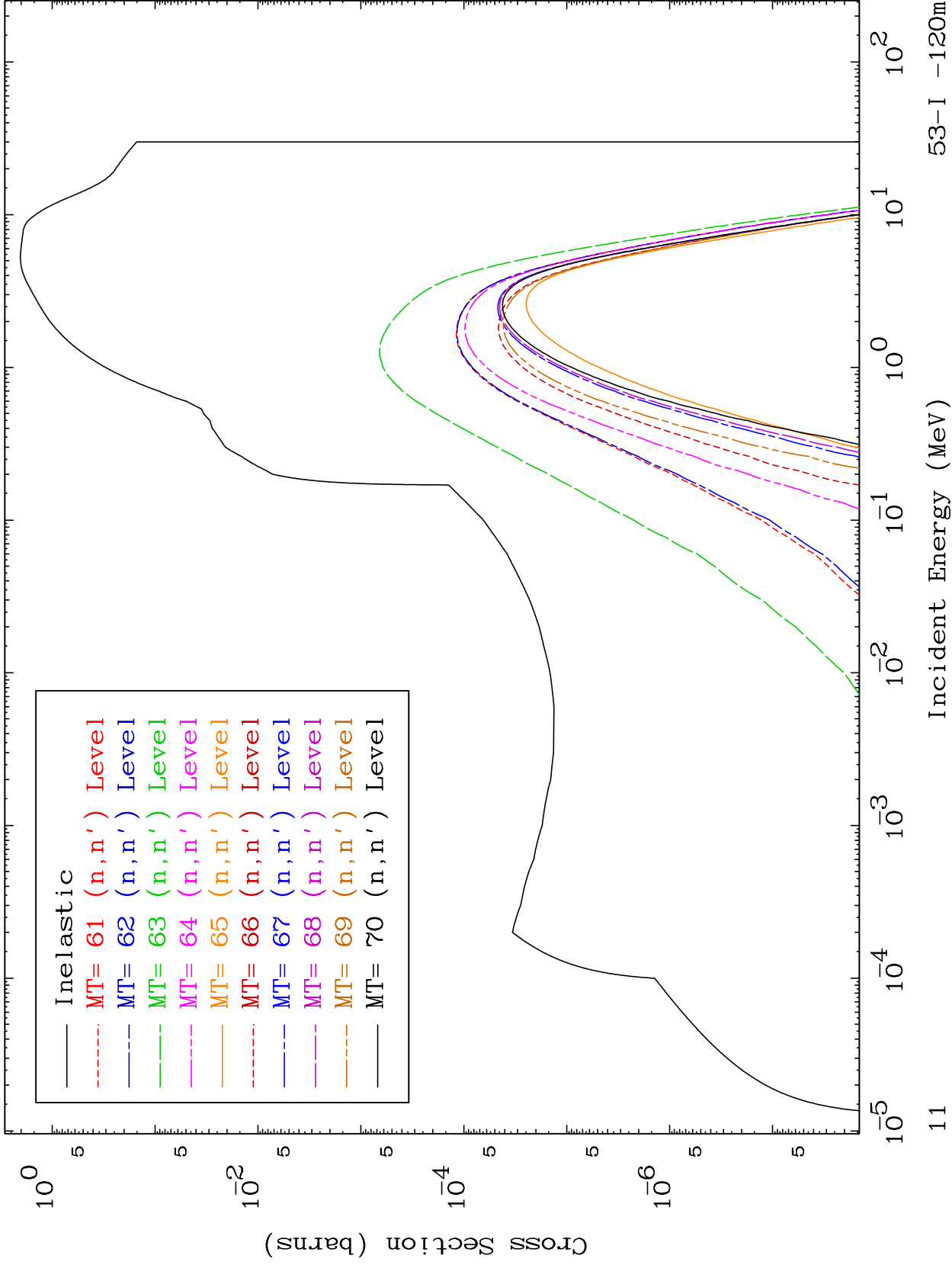
53-I -120m



MAT 5305

(n,n') Levels
293 Kelvin Cross Sections

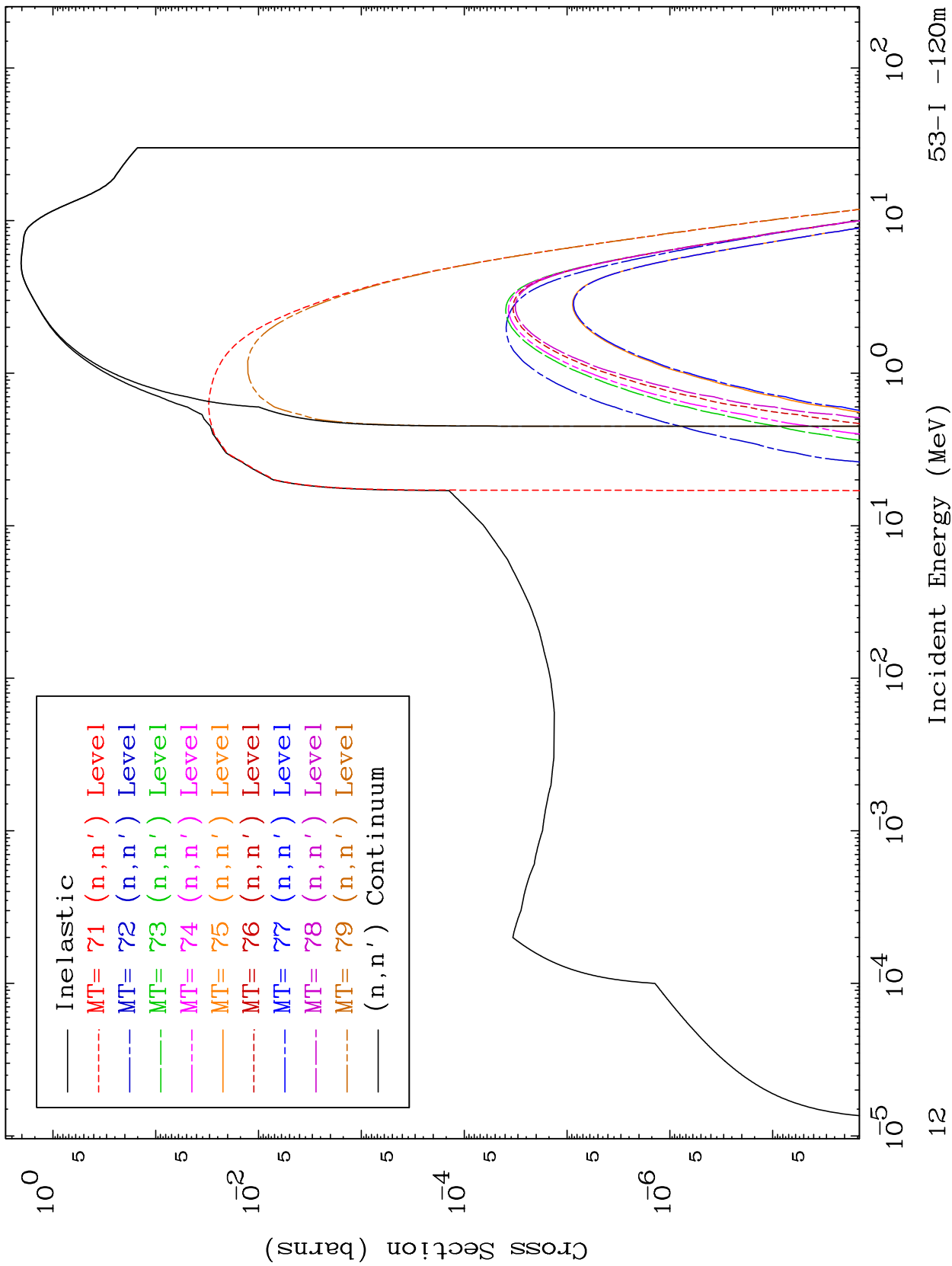
53-I -120m



MAT 5305

(n,n') Levels
293 Kelvin Cross Sections

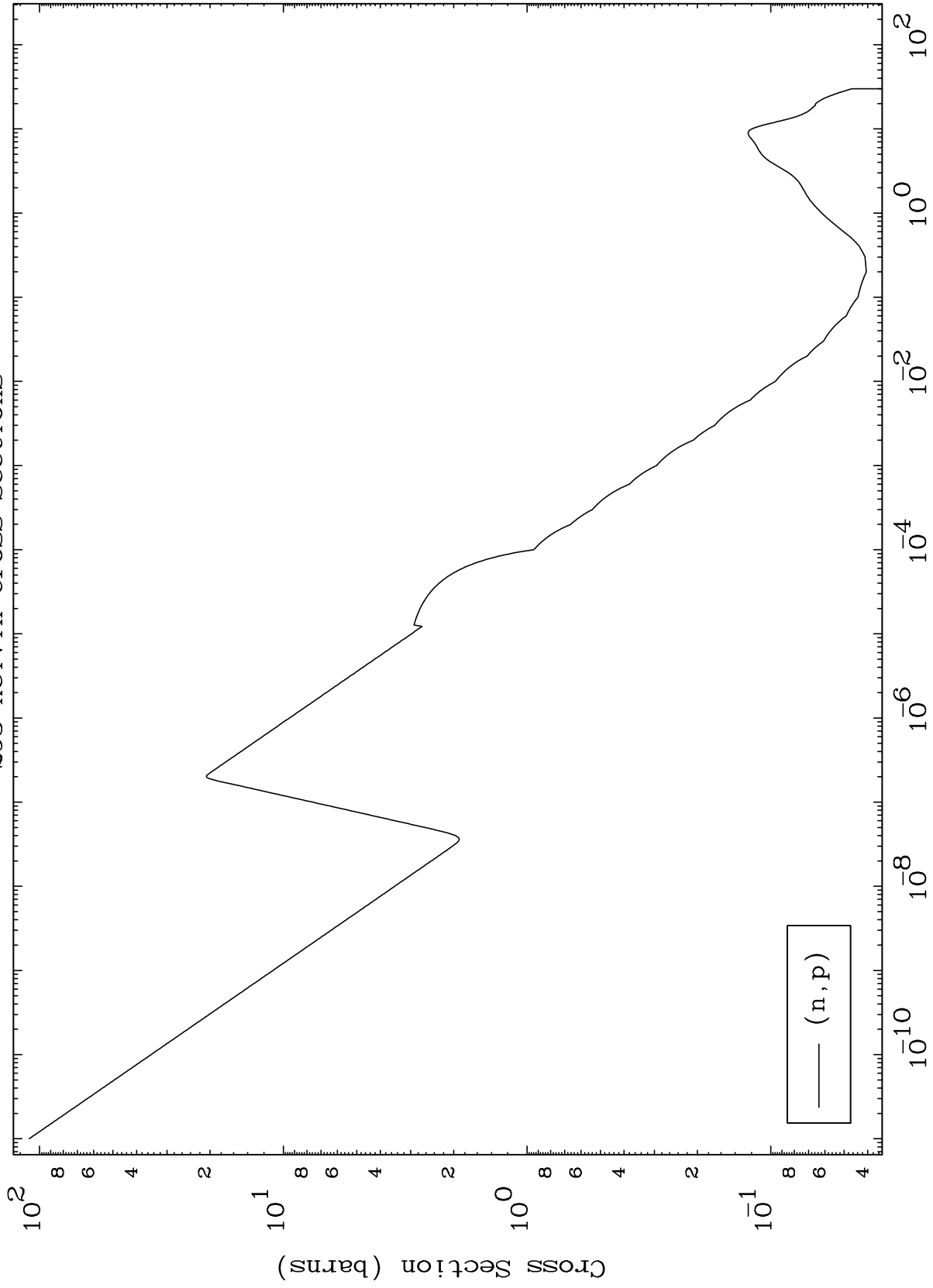
53-I -120m



MAT 5305

(n,p) Levels
293 Kelvin Cross Sections

53-I -120m



13

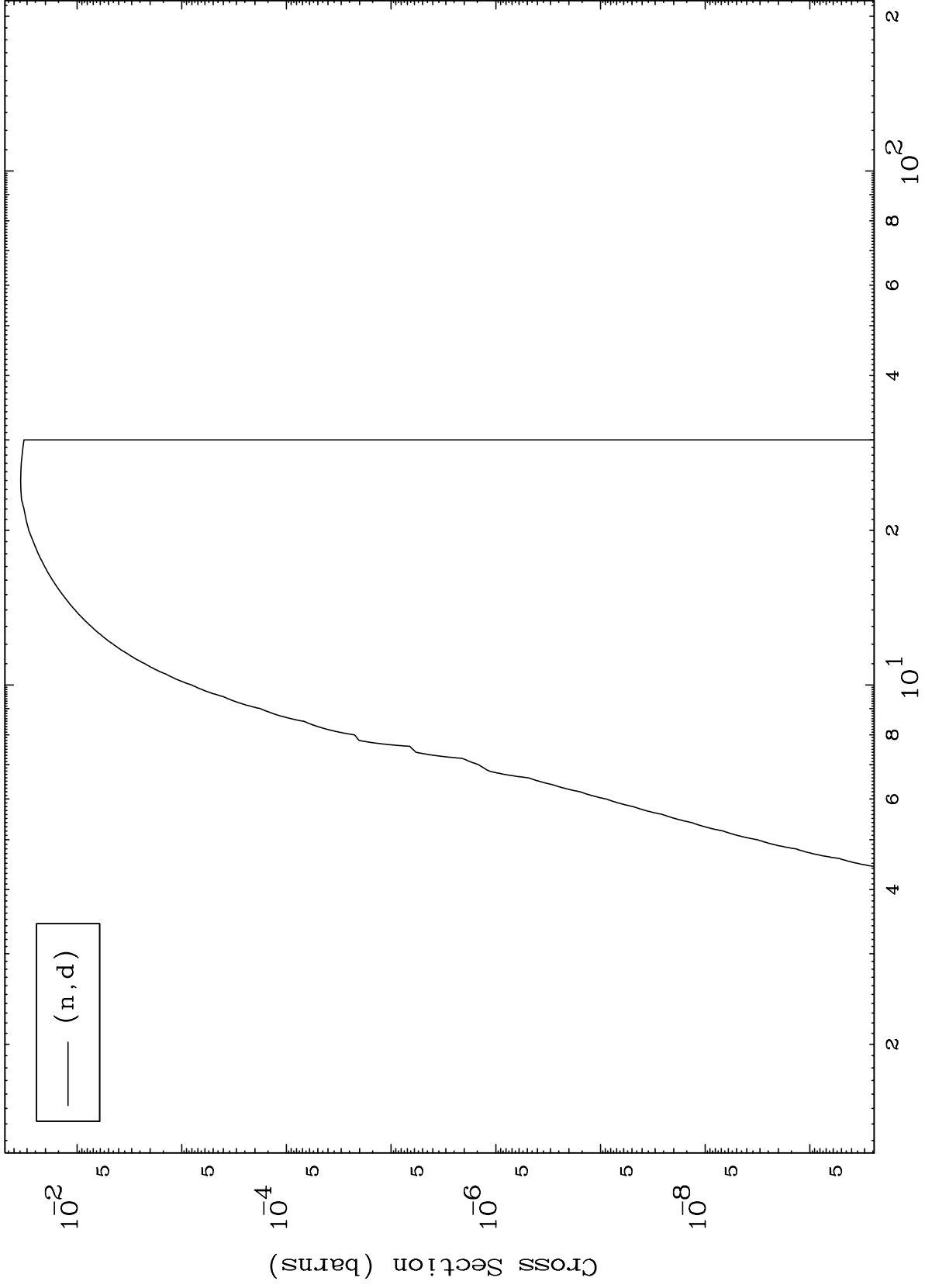
Incident Energy (MeV)

53-I -120m

MAT 5305

(n,d) Levels
293 Kelvin Cross Sections

53-I -120m



14

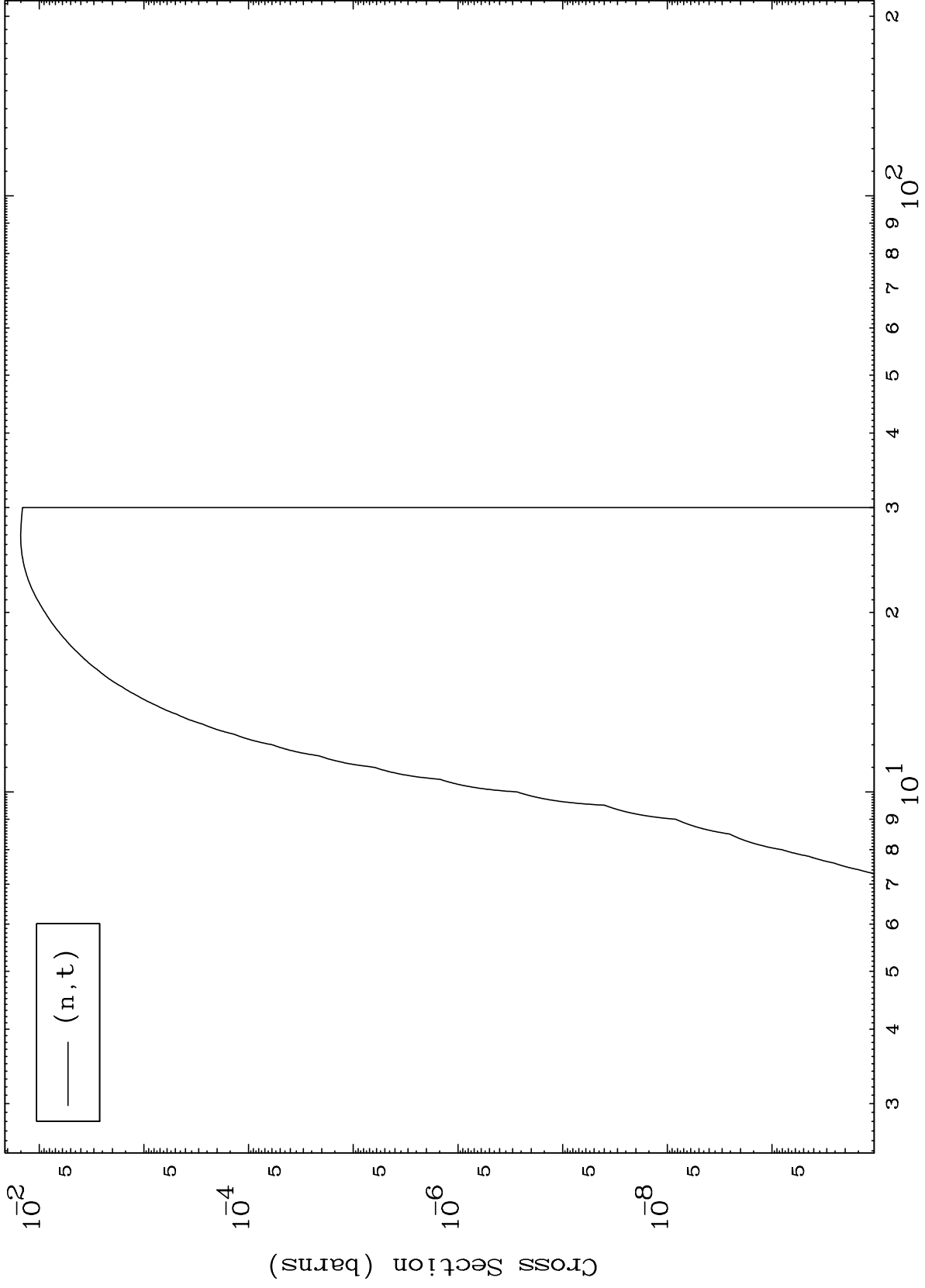
Incident Energy (MeV)

53-I -120m

MAT 5305

(n,t) Levels
293 Kelvin Cross Sections

53-I -120m



15

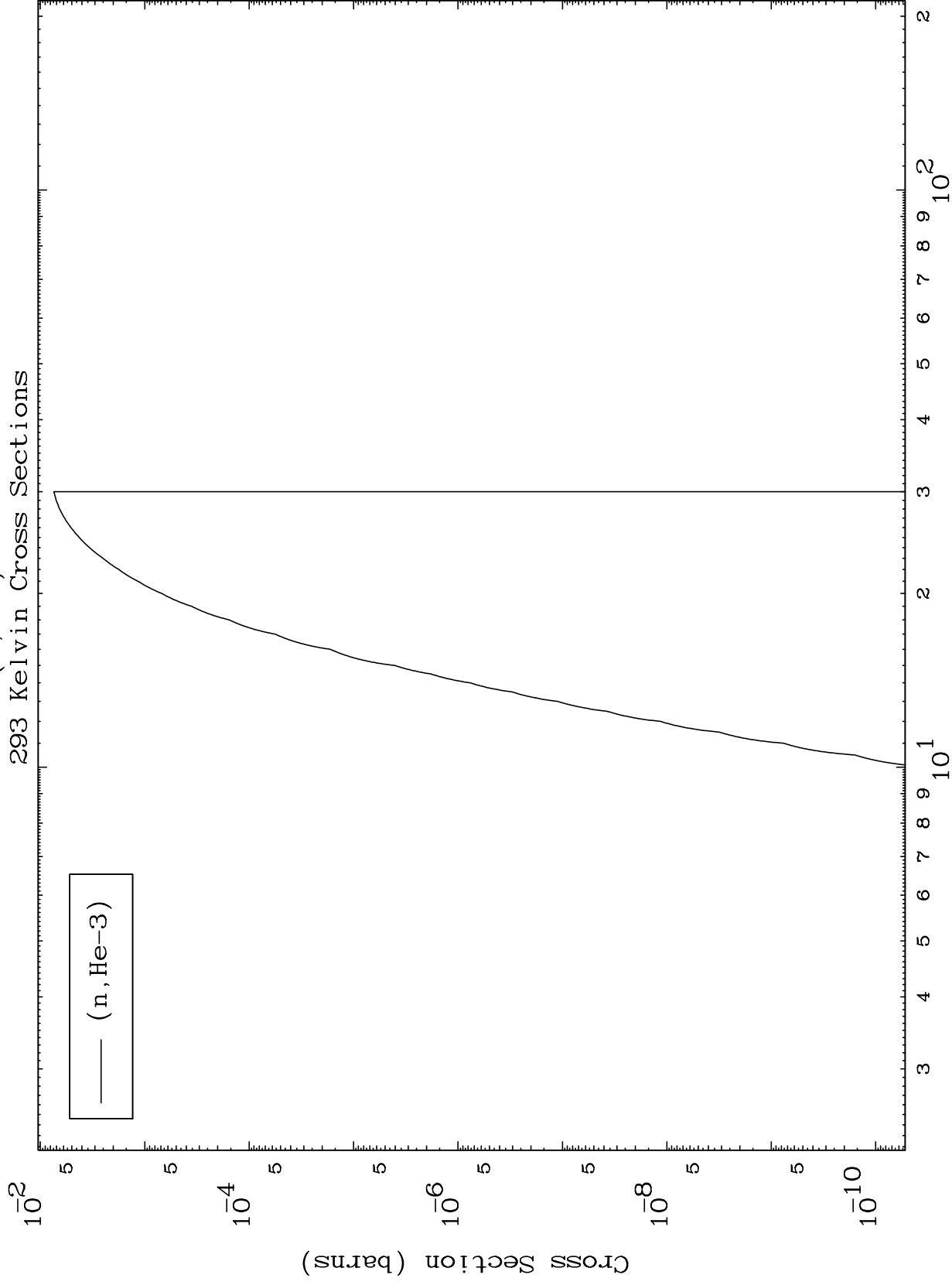
Incident Energy (MeV)

53-I -120m

MAT 5305

(n,He3) Levels
293 Kelvin Cross Sections

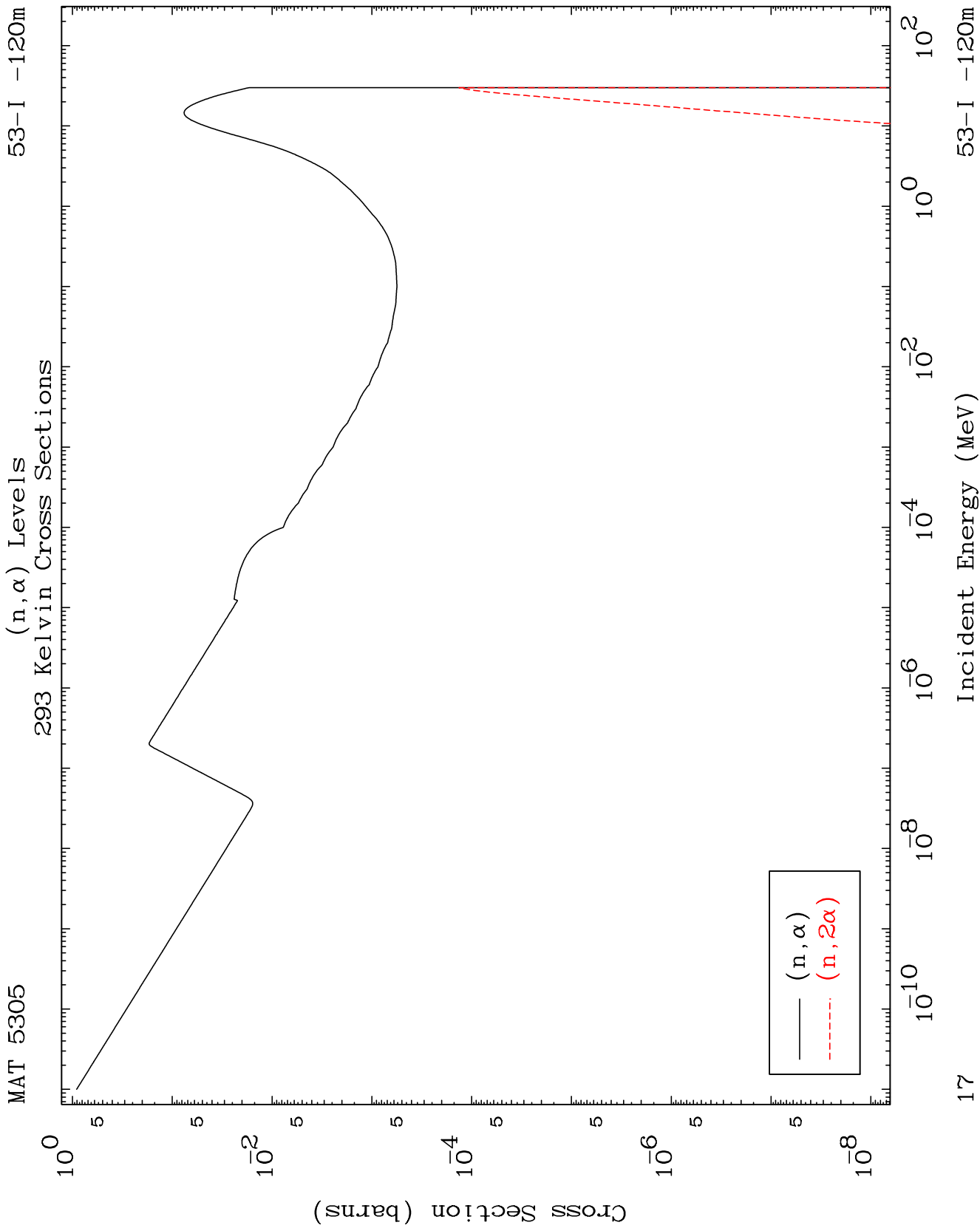
53-I -120m

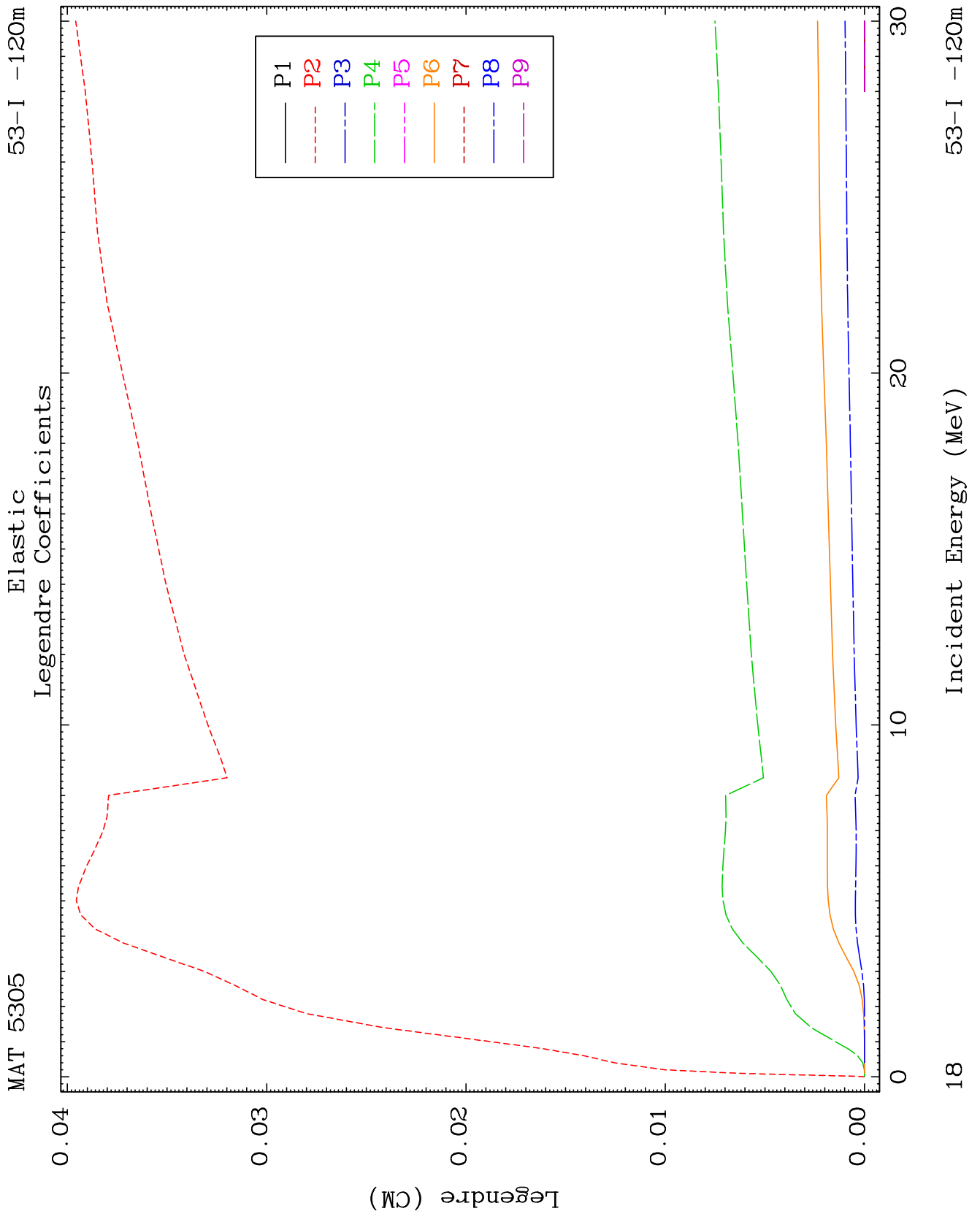


16

Incident Energy (MeV)

53-I -120m

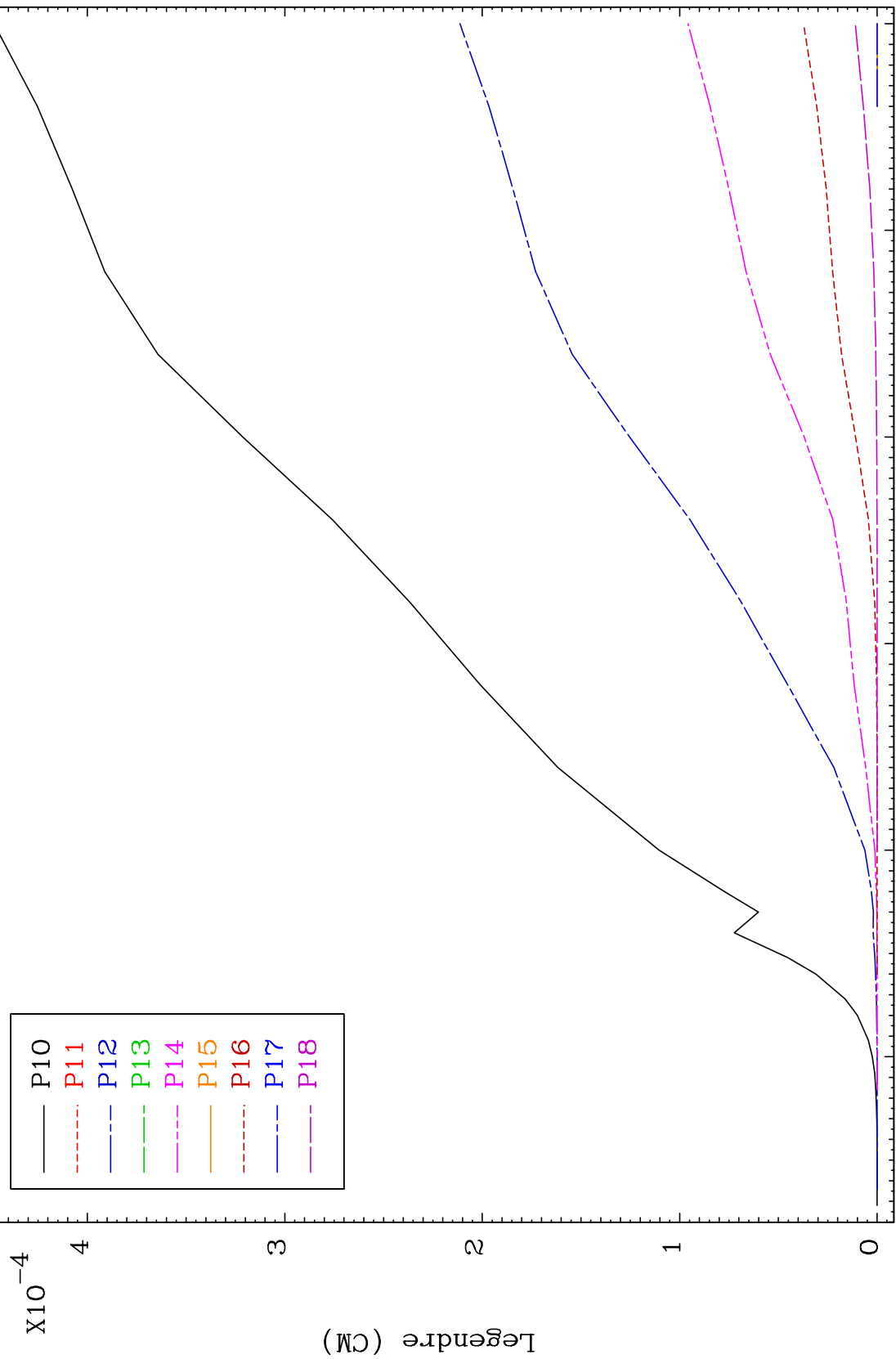
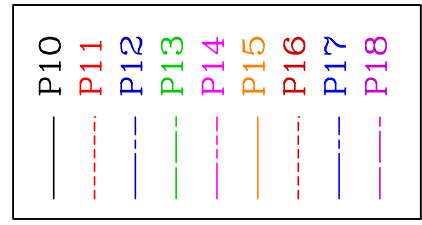




MAT 5305

Elastic Legendre Coefficients

53-I -120m



19

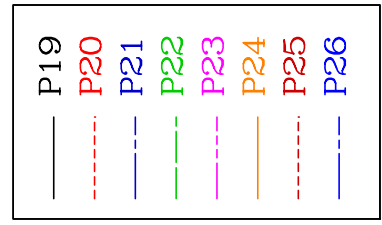
Incident Energy (MeV)

53-I -120m

MAT 5305

Elastic Legendre Coefficients

53-I -120m



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

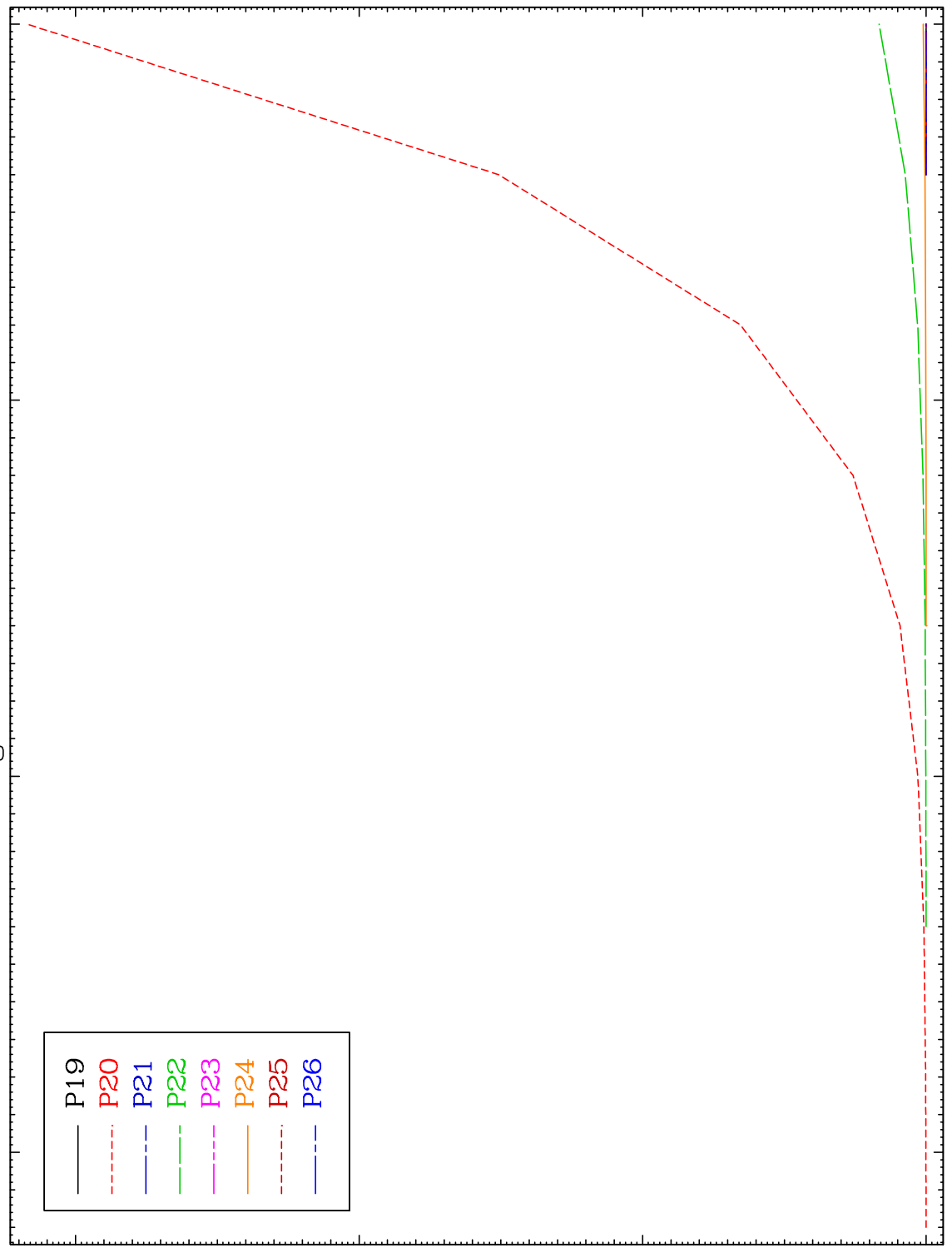
25

30

20

Incident Energy (MeV)

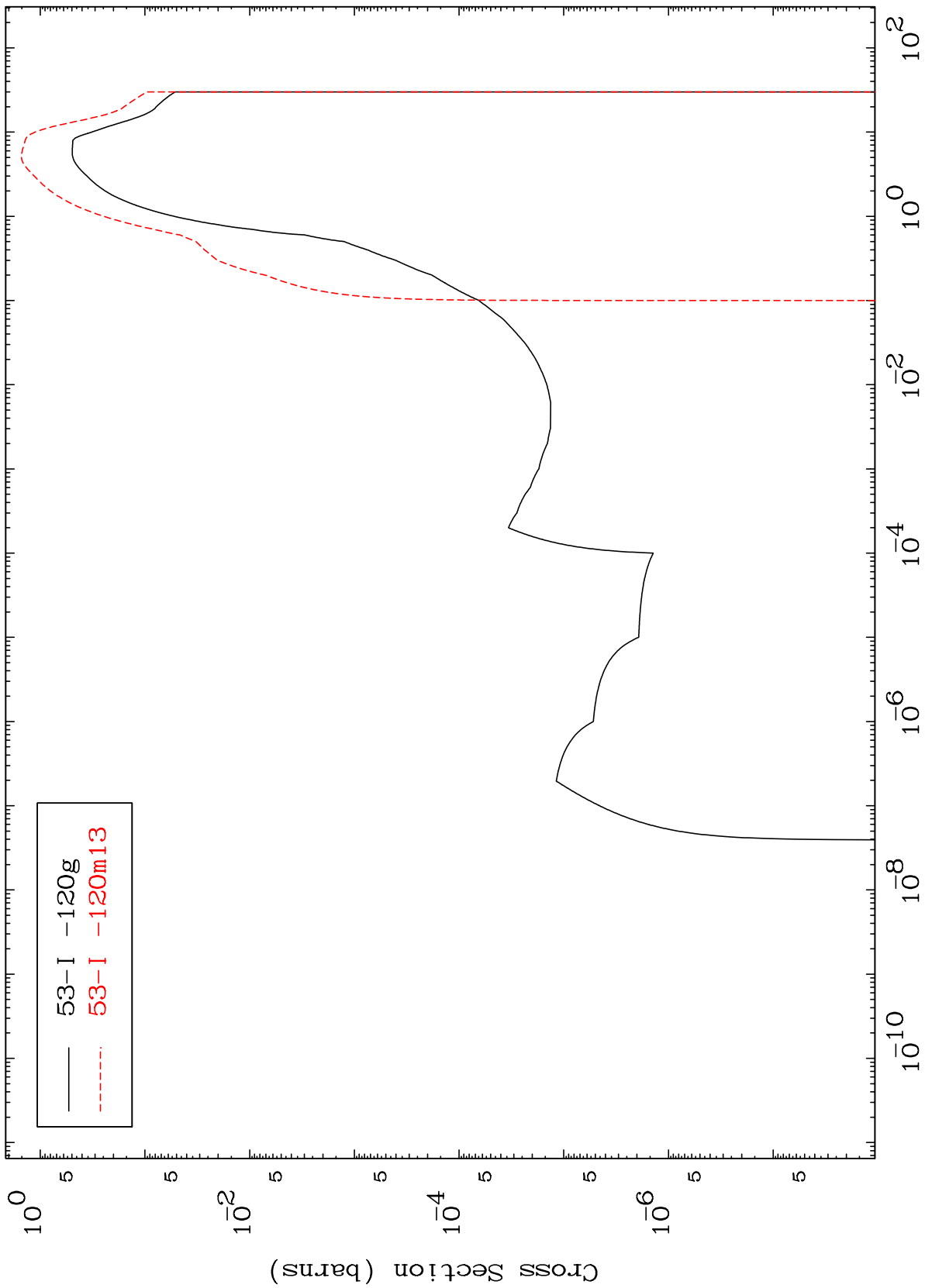
53-I -120m



MAT 5305

53-I -120m

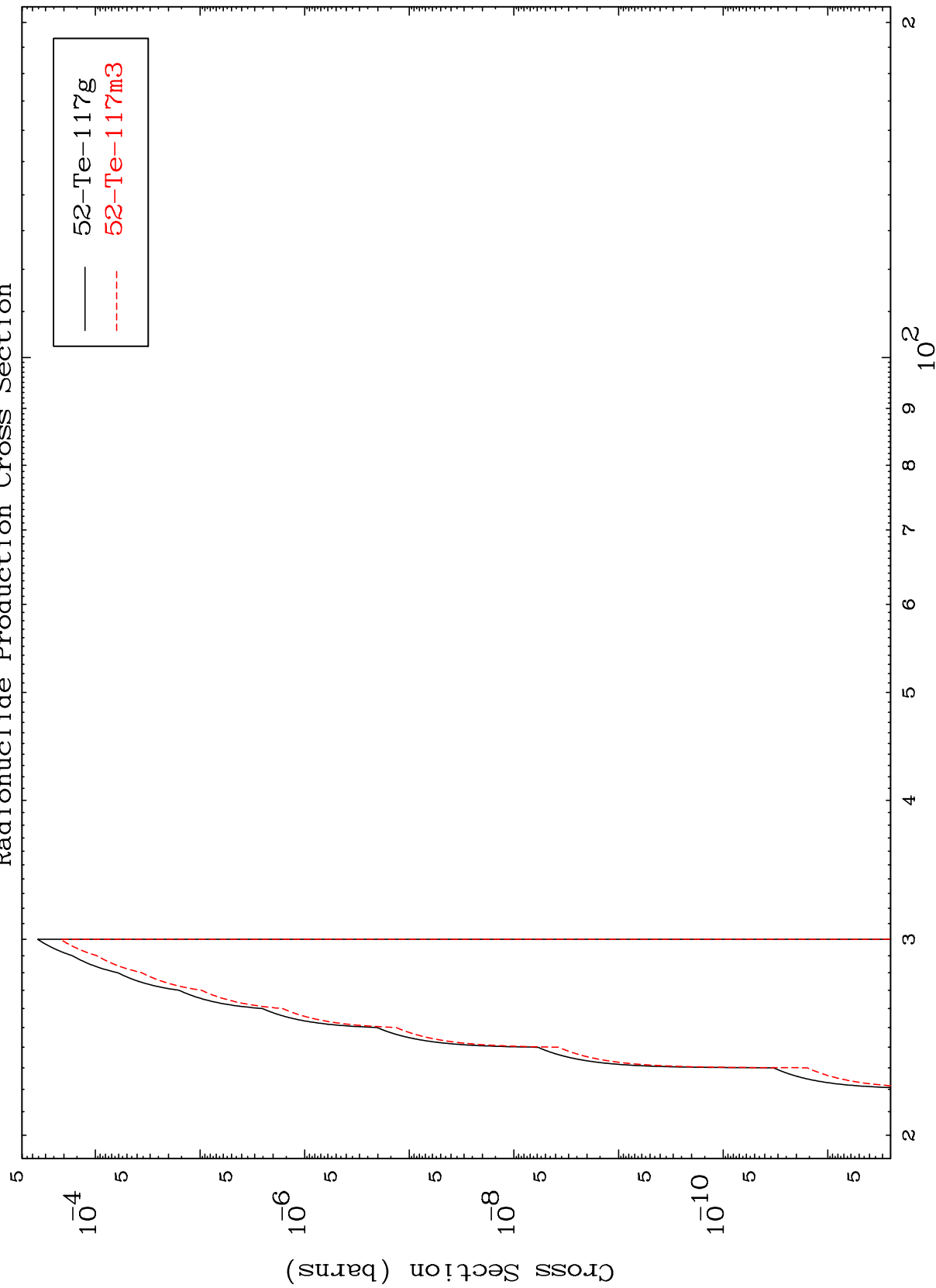
Inelastic
Radionuclide Production Cross Section



53-I -120m

Incident Energy (MeV)

Radionuclide Production Cross Section

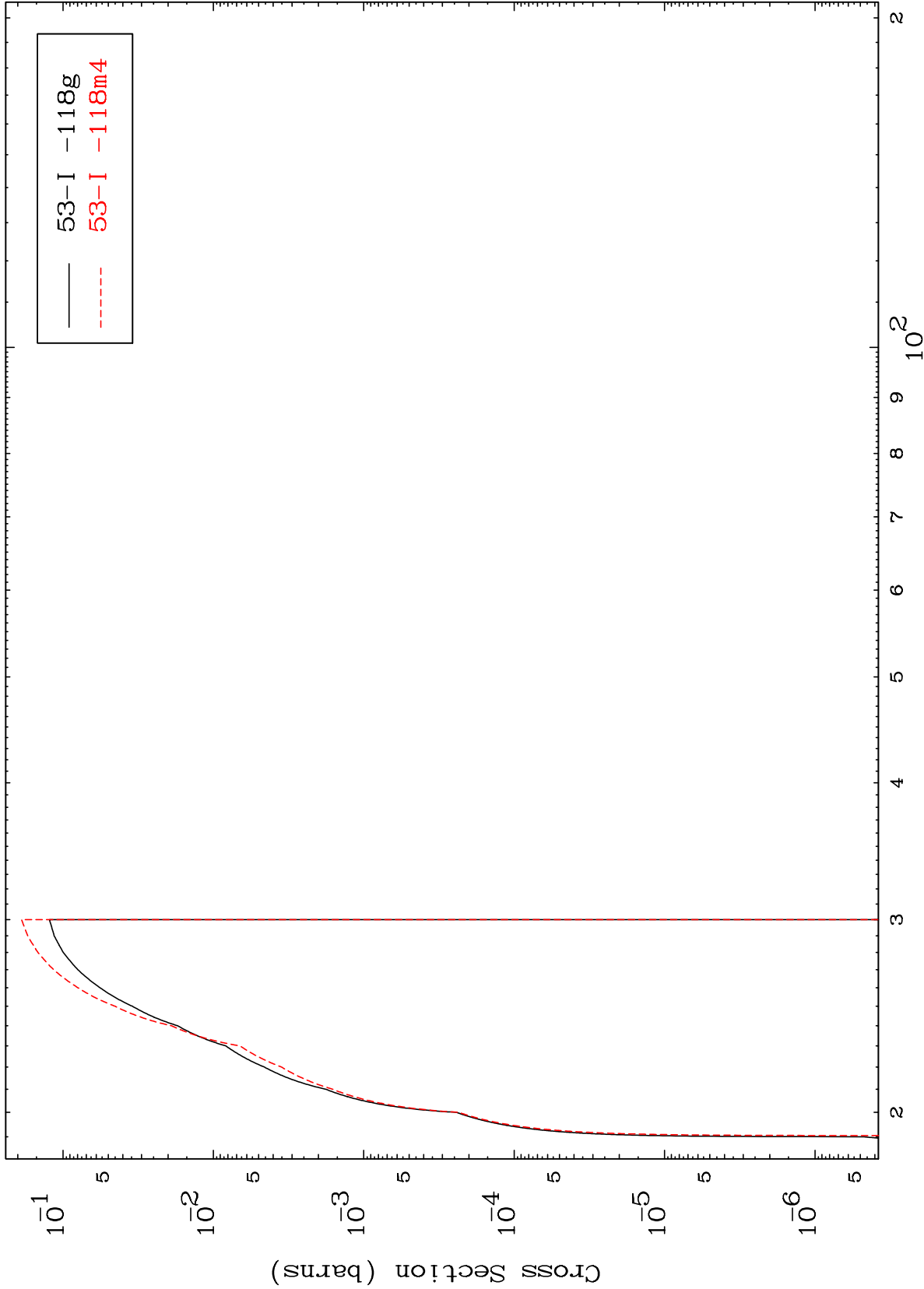


MAT 5305

(n,3n)

53-I -120m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

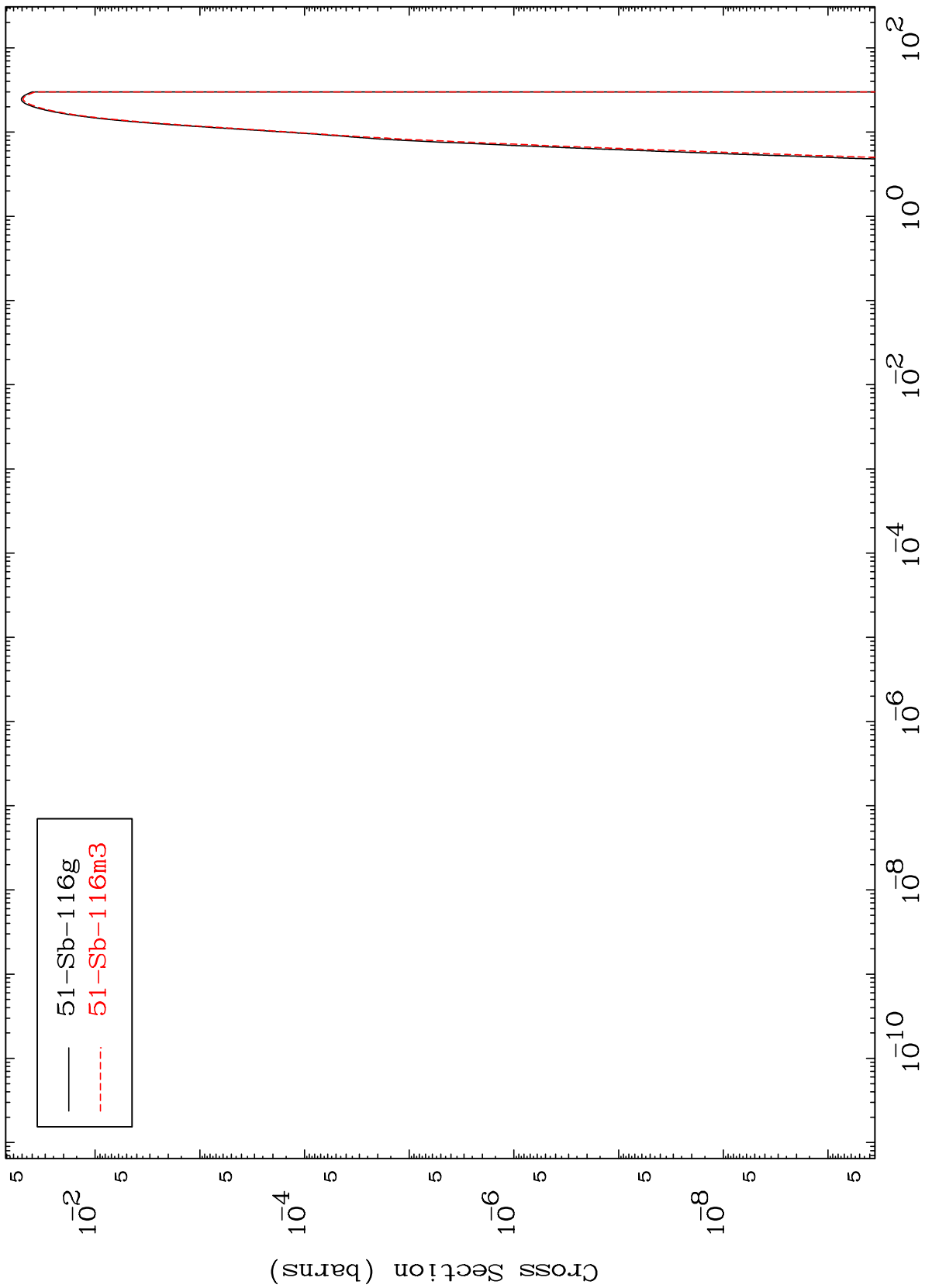
53-I -120m

MAT 5305

(n,n') α

53-I -120m

Radionuclide Production Cross Section

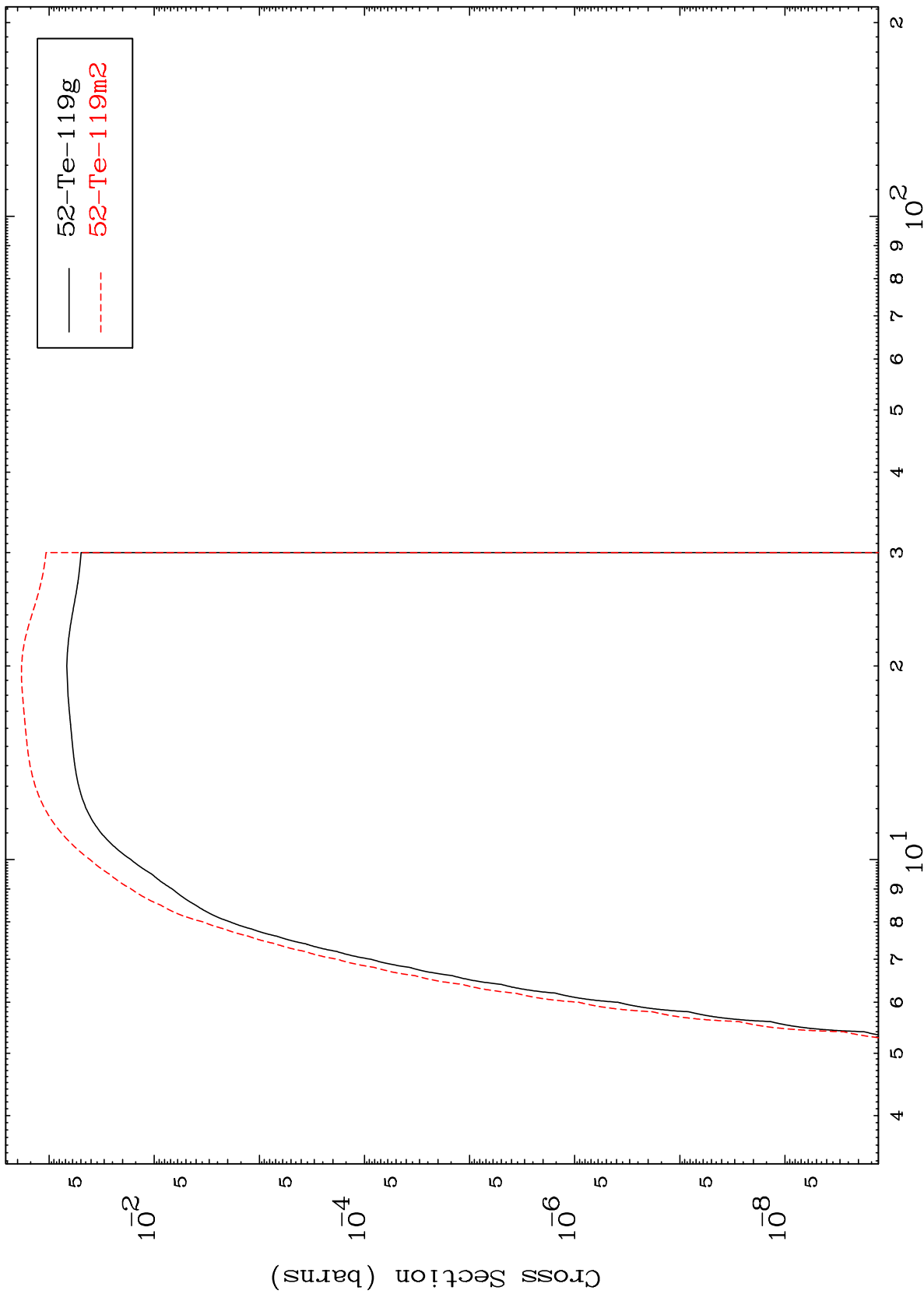


MAT 5305

(n,n') p

53-I -120m

Radionuclide Production Cross Section

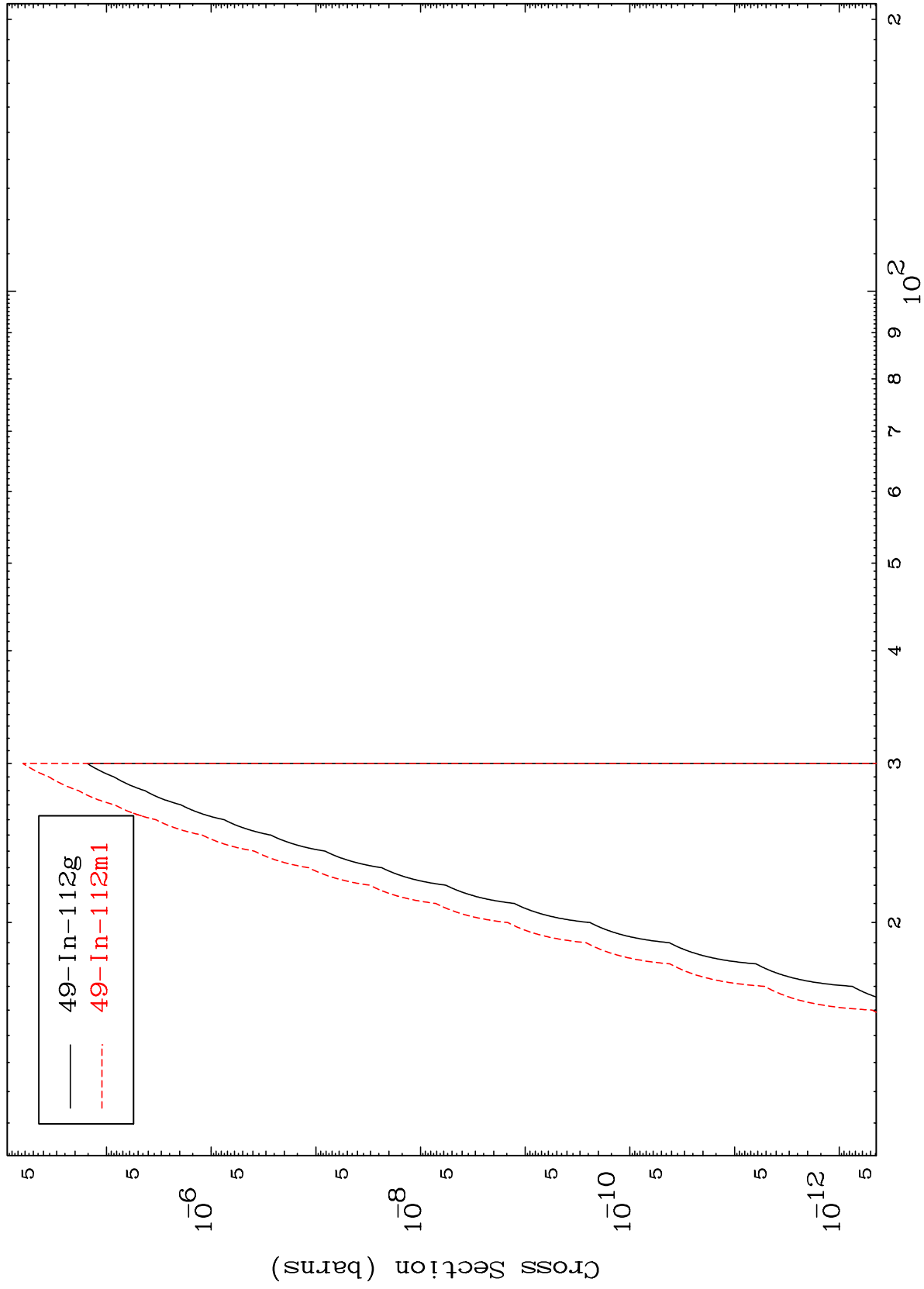


25

Incident Energy (MeV)

53-I -120m

Radionuclide Production Cross Section

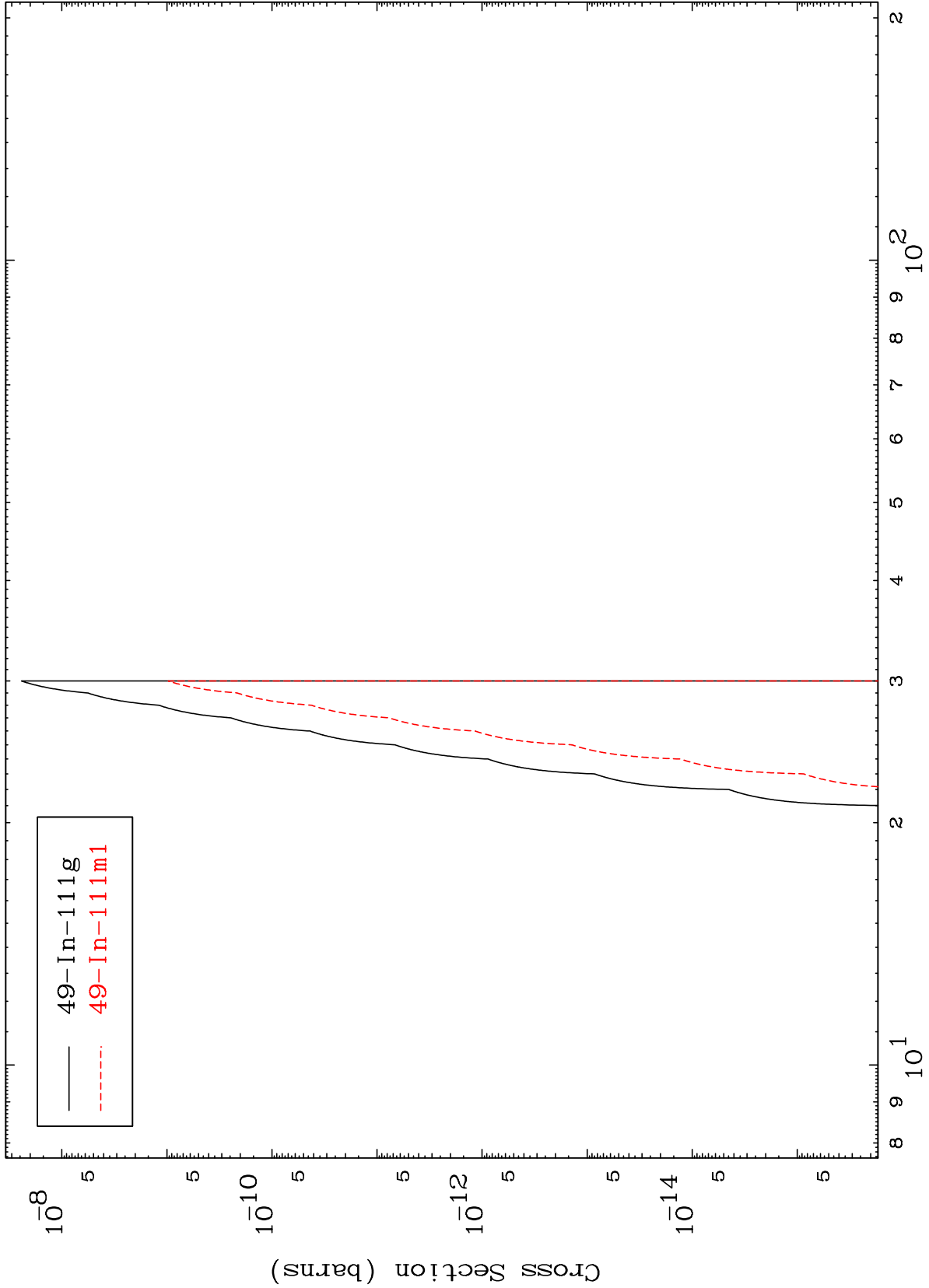


MAT 5305

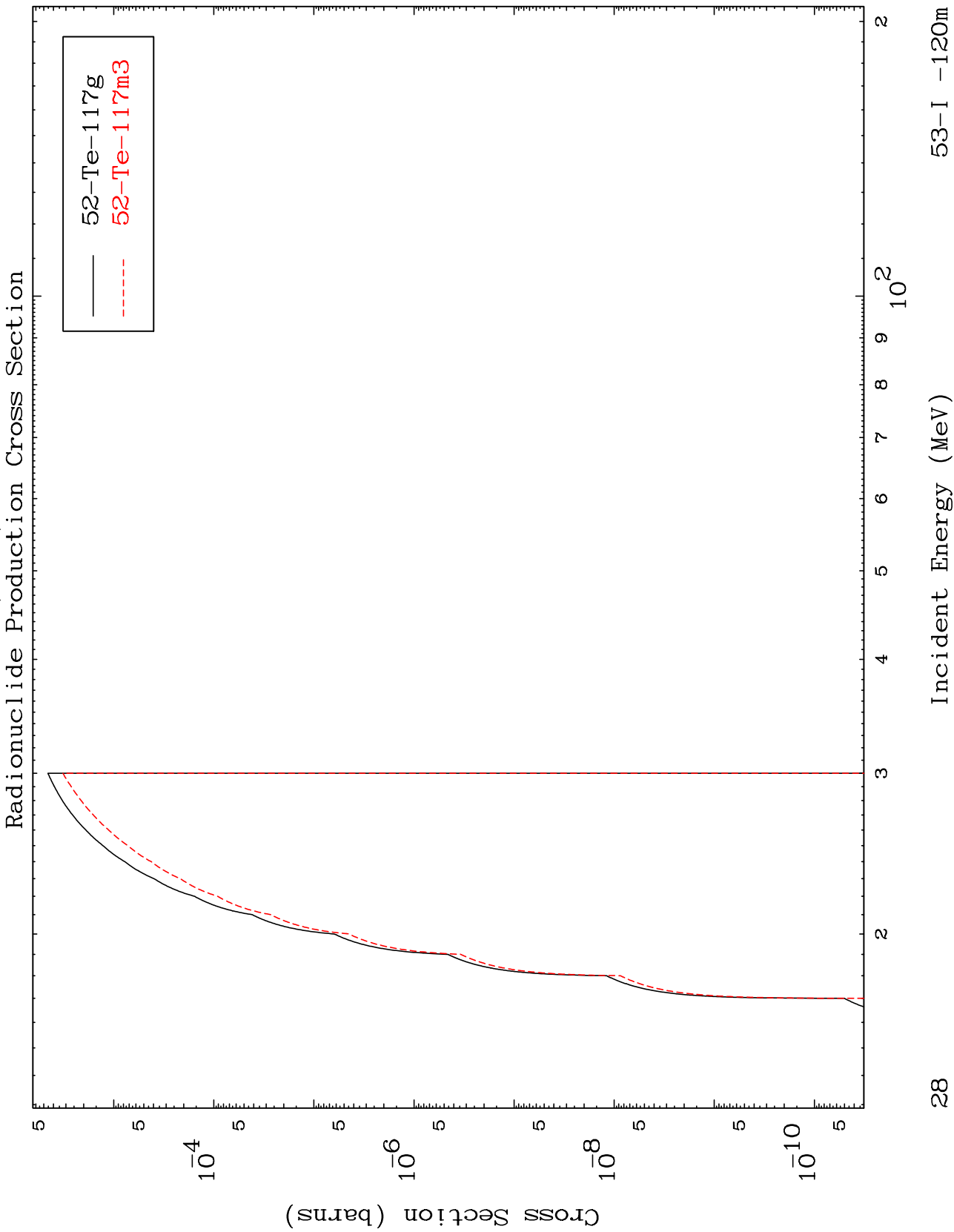
(n,2n) 2α

53-I -120m

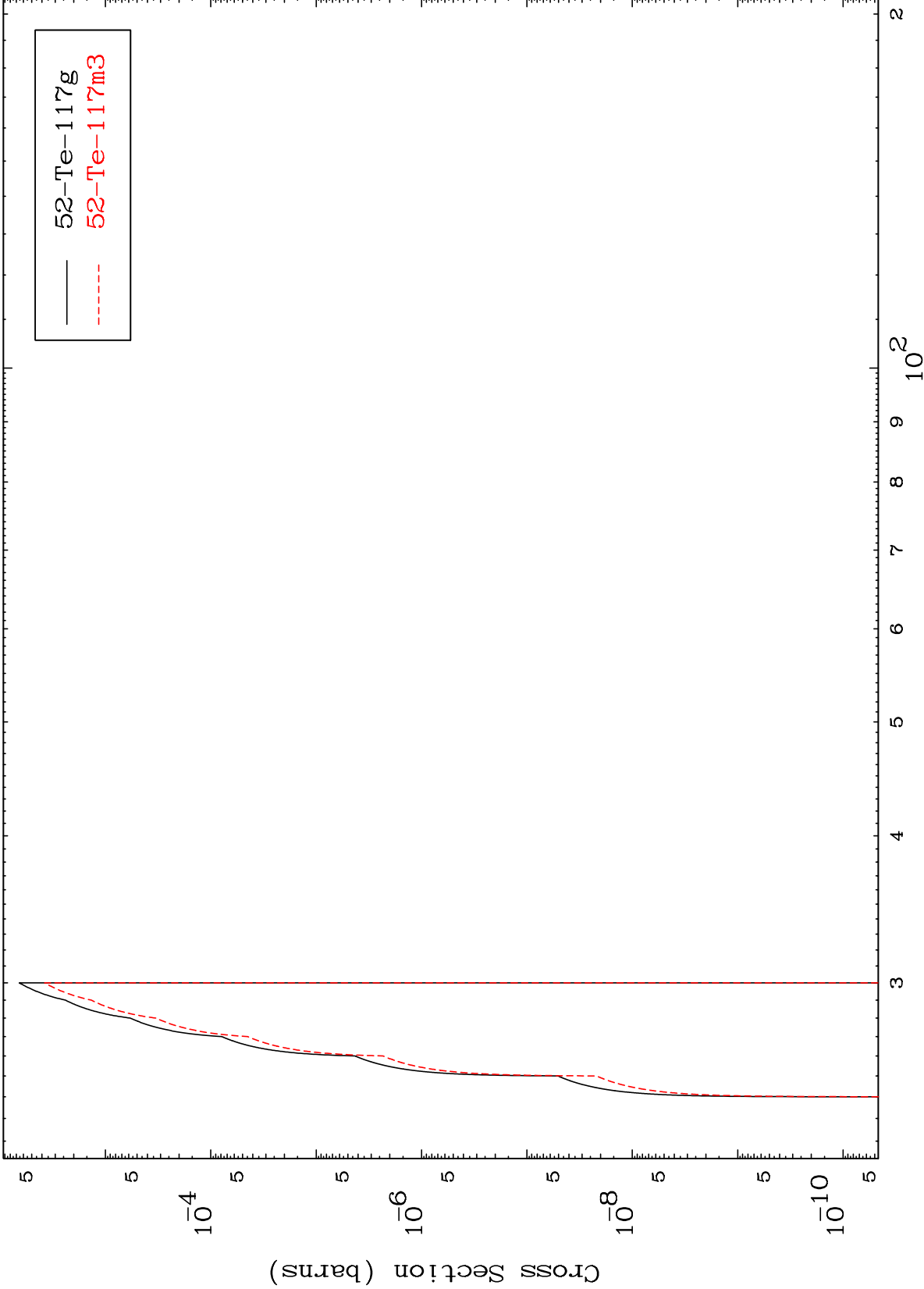
Radionuclide Production Cross Section



— 49-In-111g
- - - 49-In-111m1



Radionuclide Production Cross Section

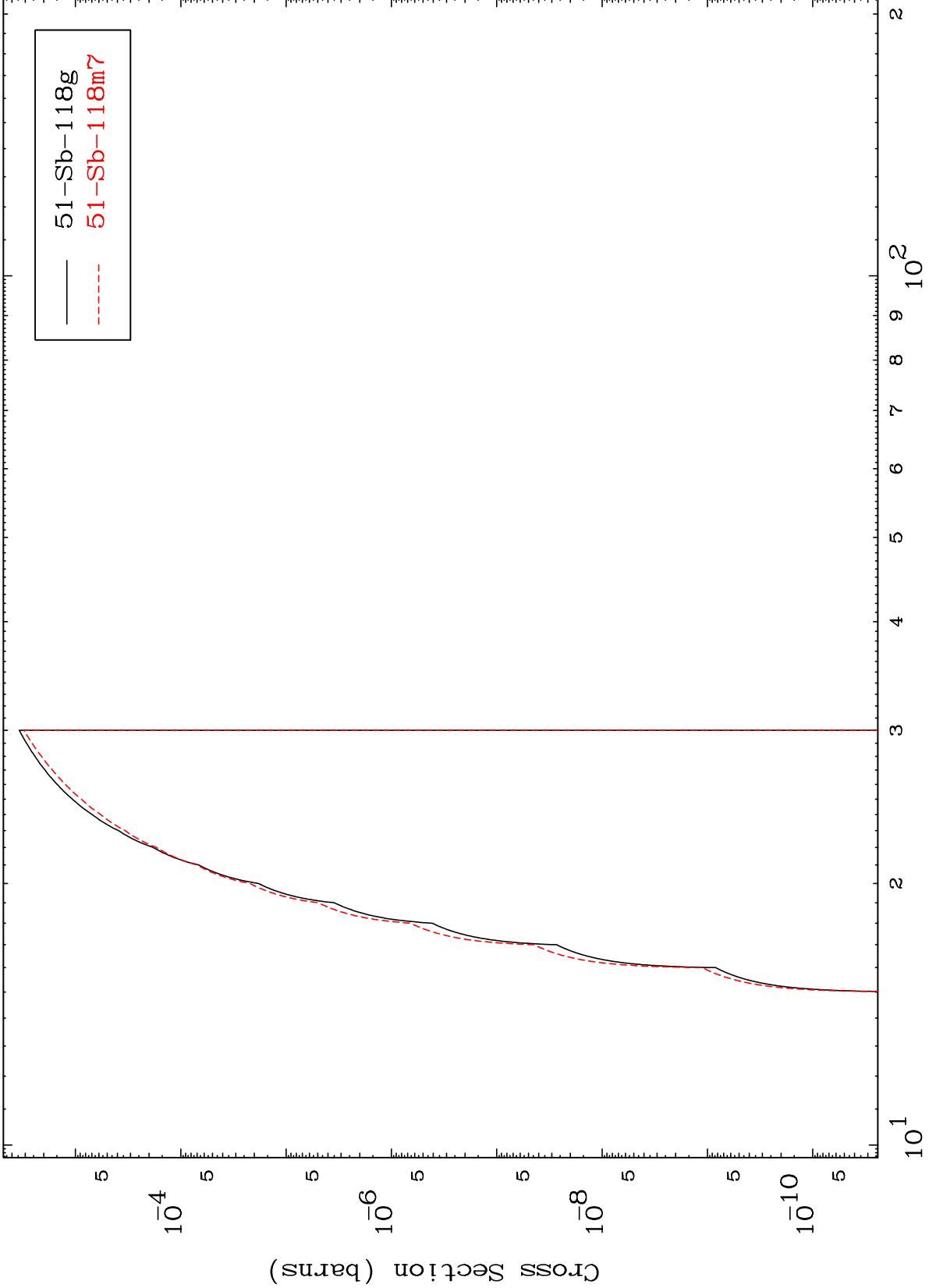


MAT 5305

(n,2n) p

53-I -120m

Radionuclide Production Cross Section



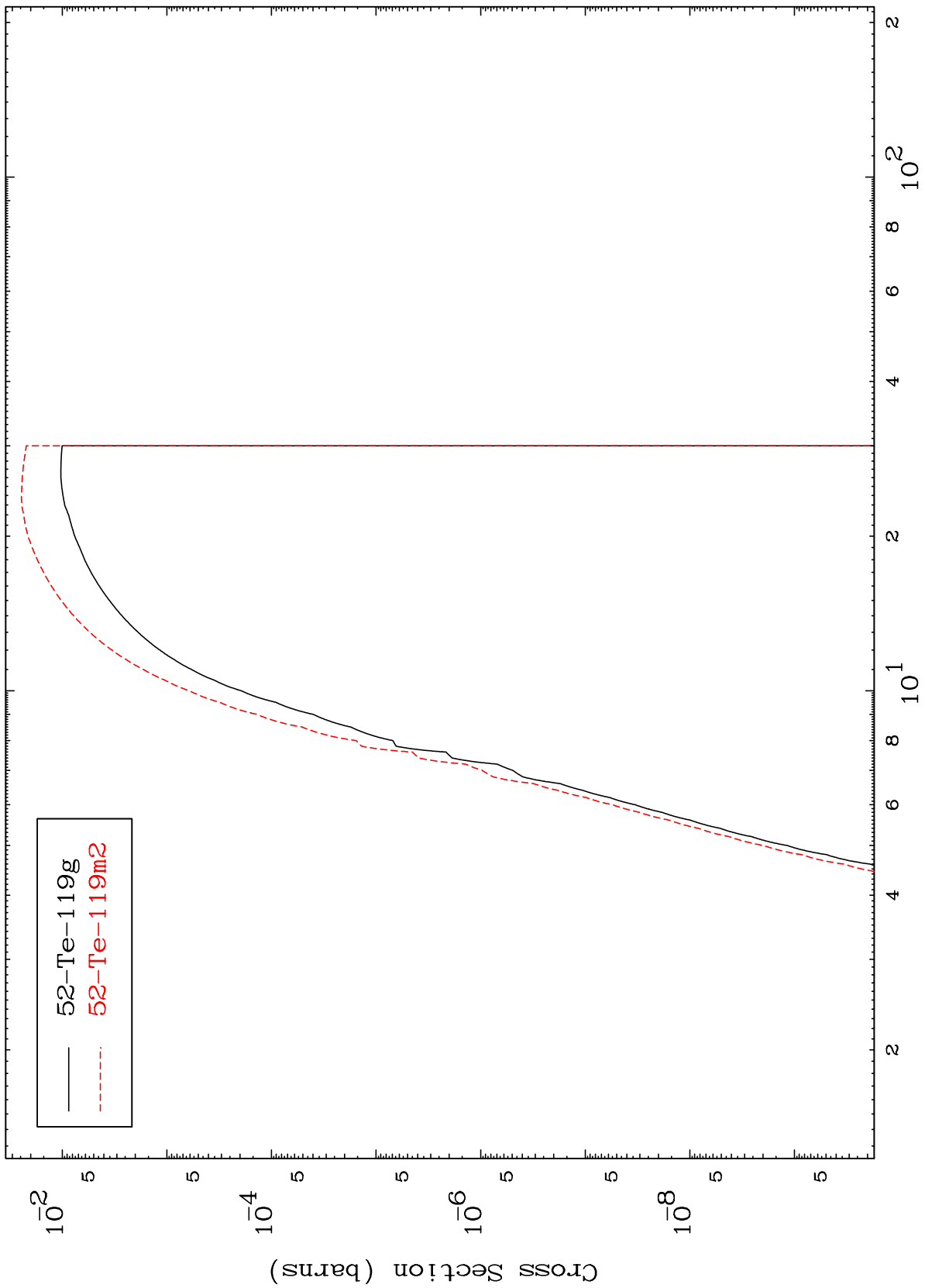
Incident Energy (MeV)

53-I -120m

MAT 5305

53-I -120m

(n,d)
Radionuclide Production Cross Section

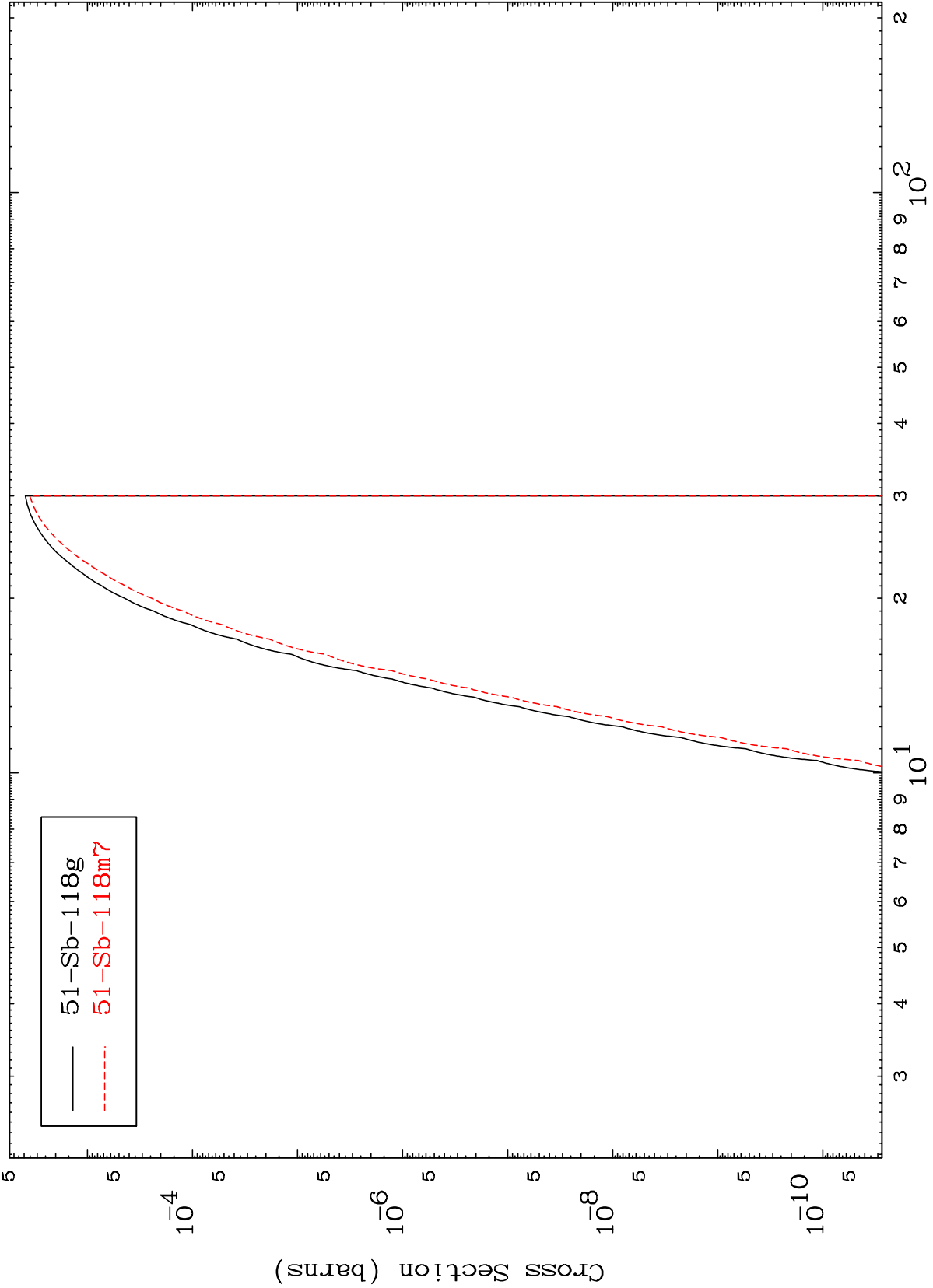


MAT 5305

(n,He-3)

53-I -120m

Radionuclide Production Cross Section

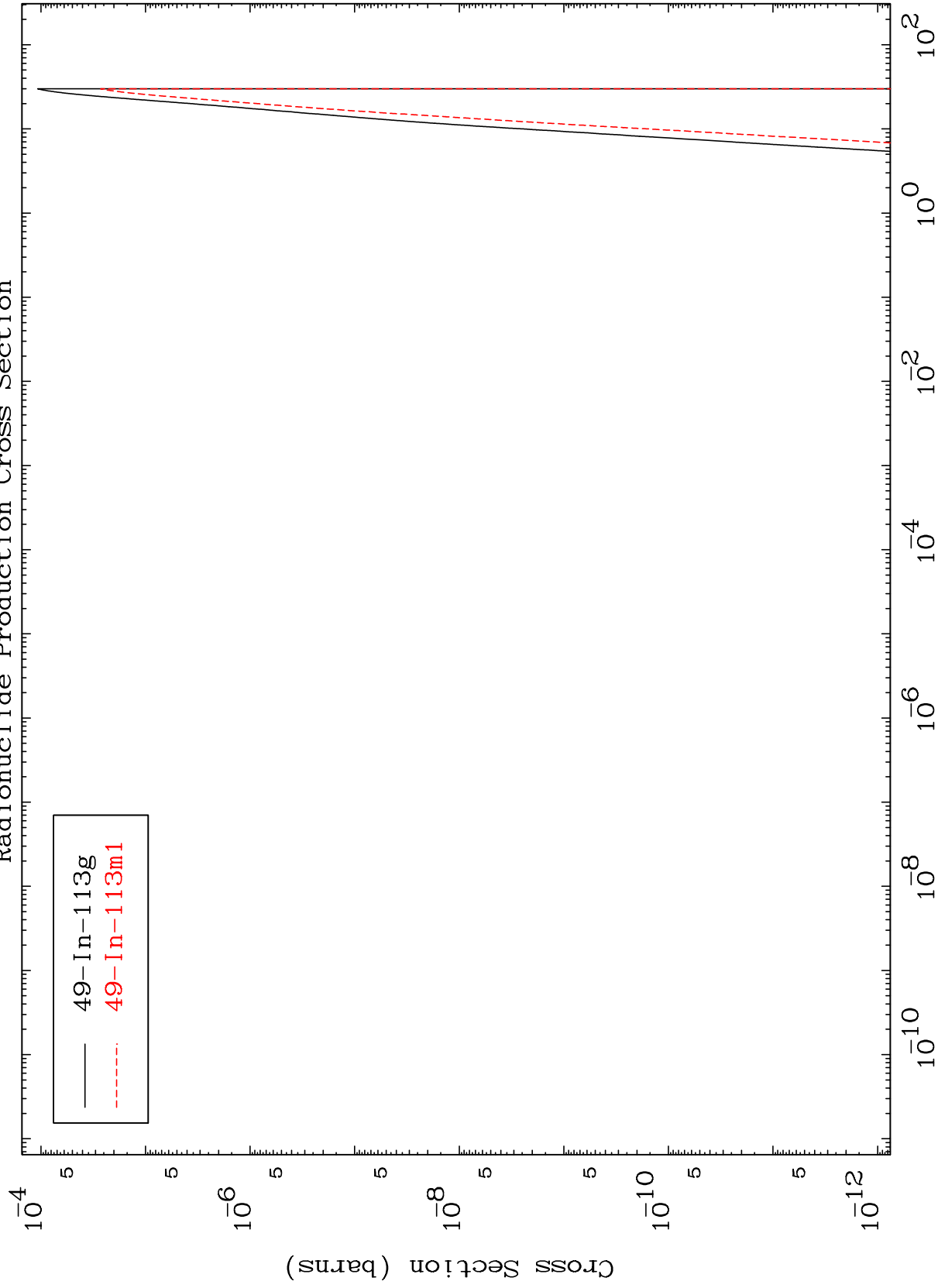


MAT 5305

(n,2α)

53-I -120m

Radionuclide Production Cross Section



— 49-In-113g
- - - 49-In-113m1

Incident Energy (MeV)

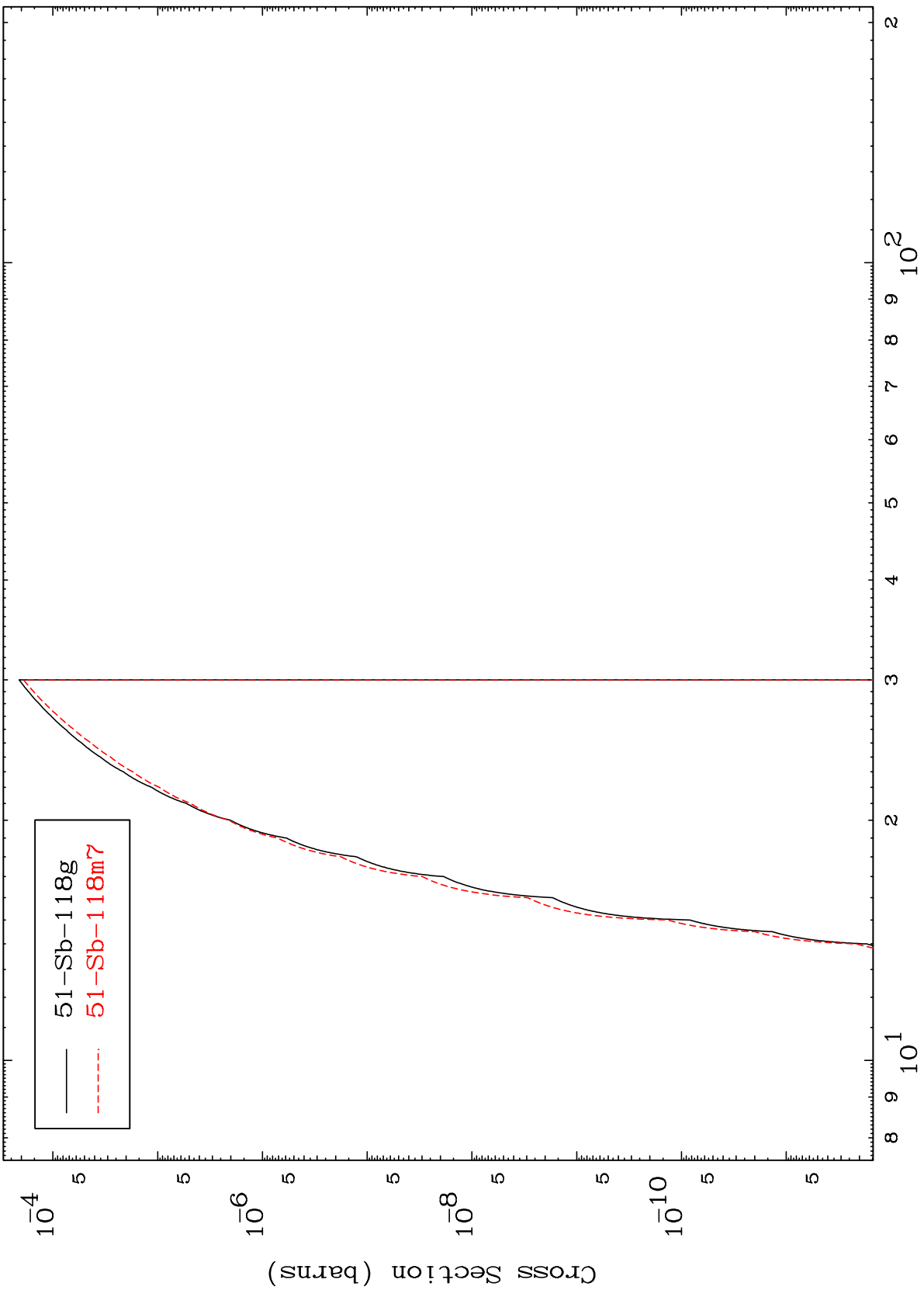
53-I -120m

MAT 5305

(n,p) d

53-I -120m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

53-I -120m