

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

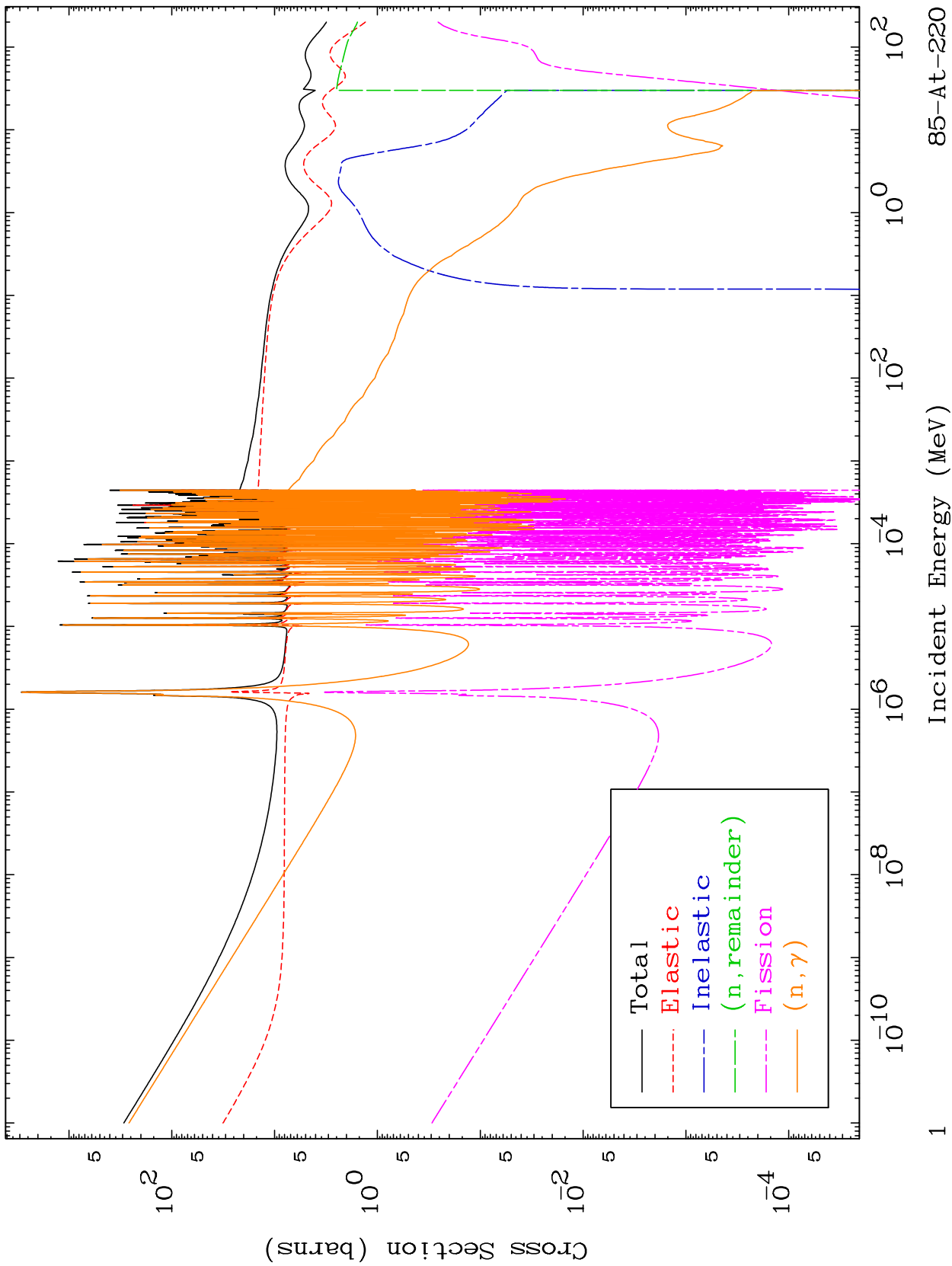
Press Mouse Button to Start

MAT 8576

Major

293 Kelvin Cross Sections

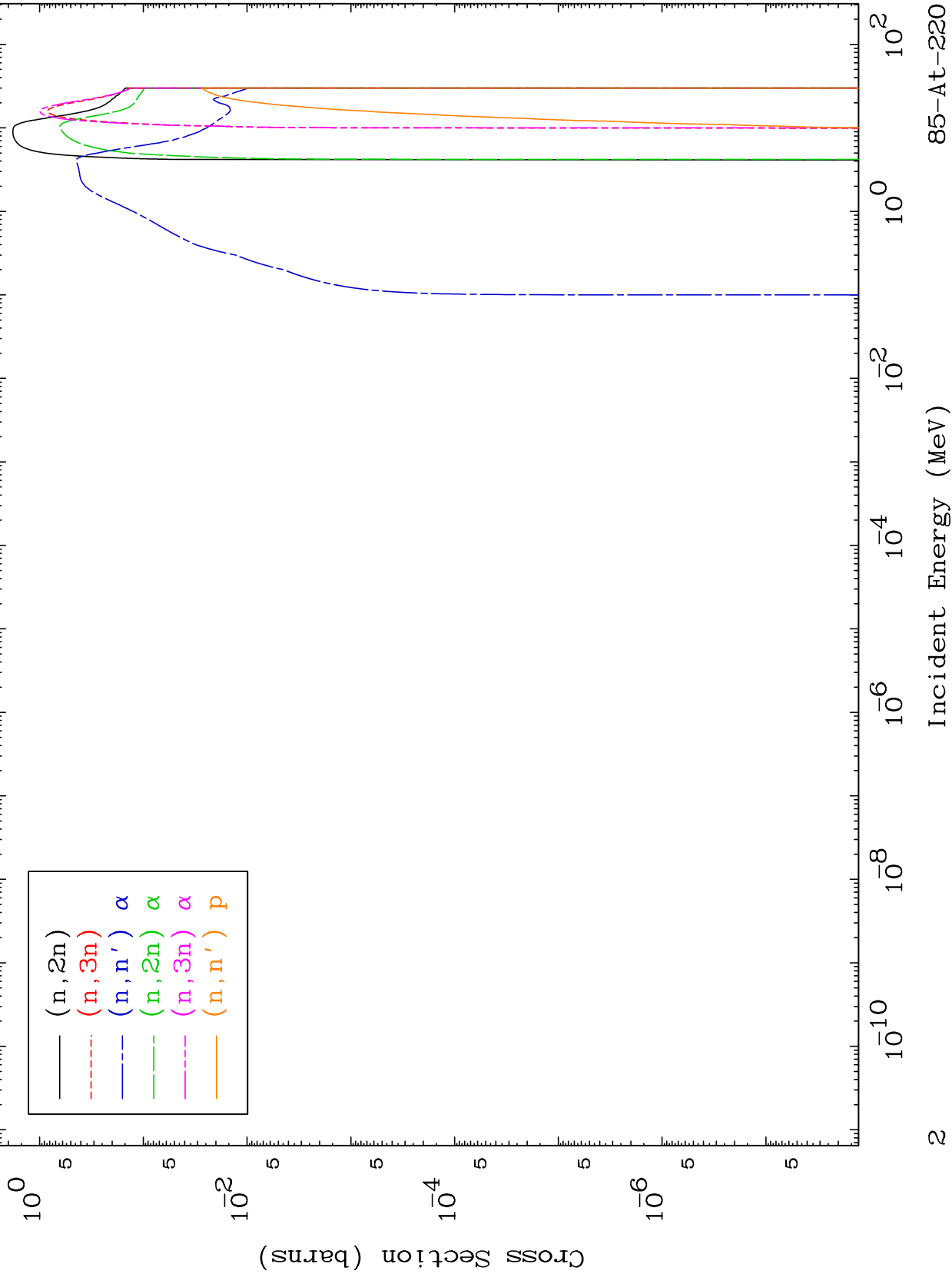
85-At-220



MAT 8576

Neutron Production
293 Kelvin Cross Sections

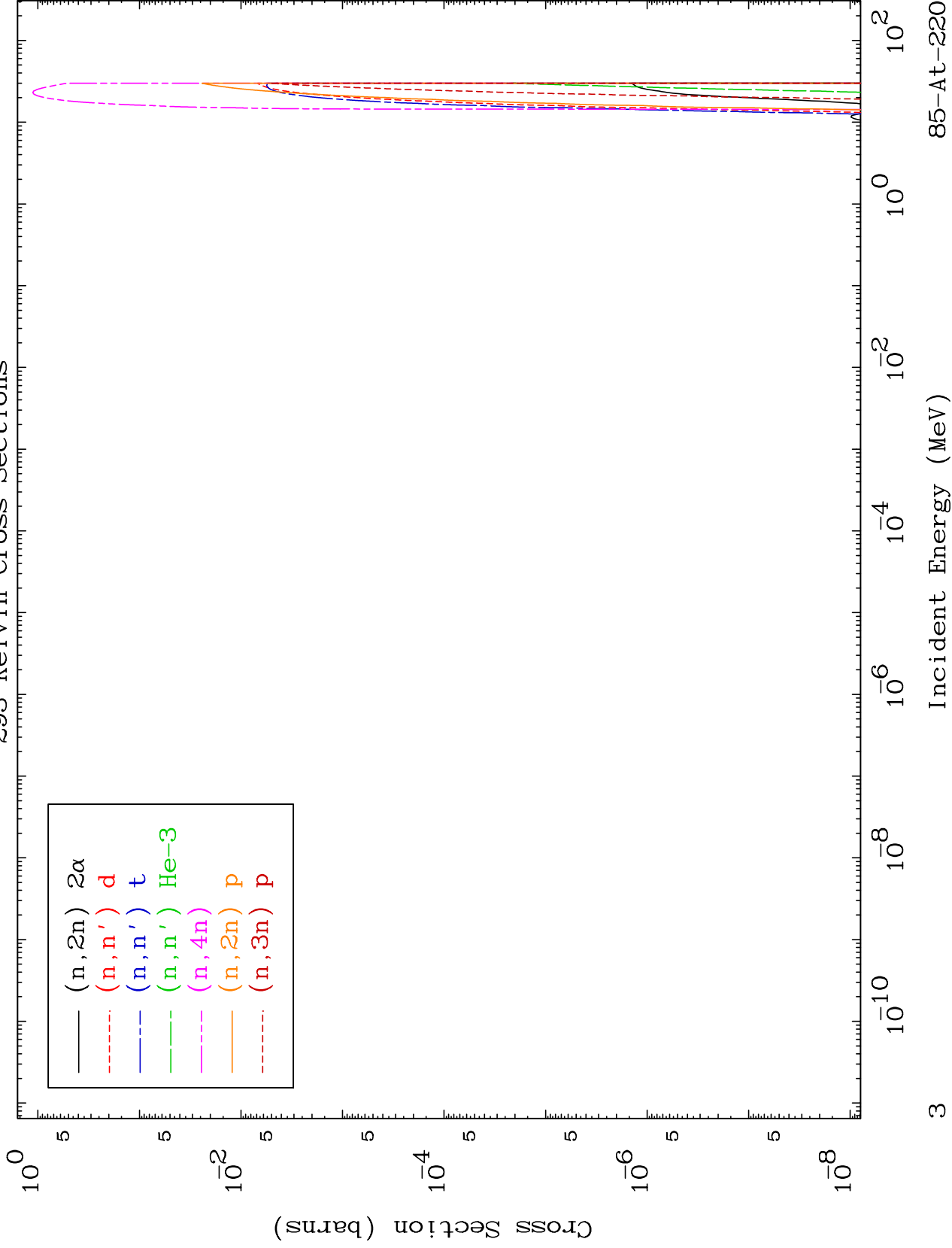
85-At-220



MAT 8576

Neutron Production
293 Kelvin Cross Sections

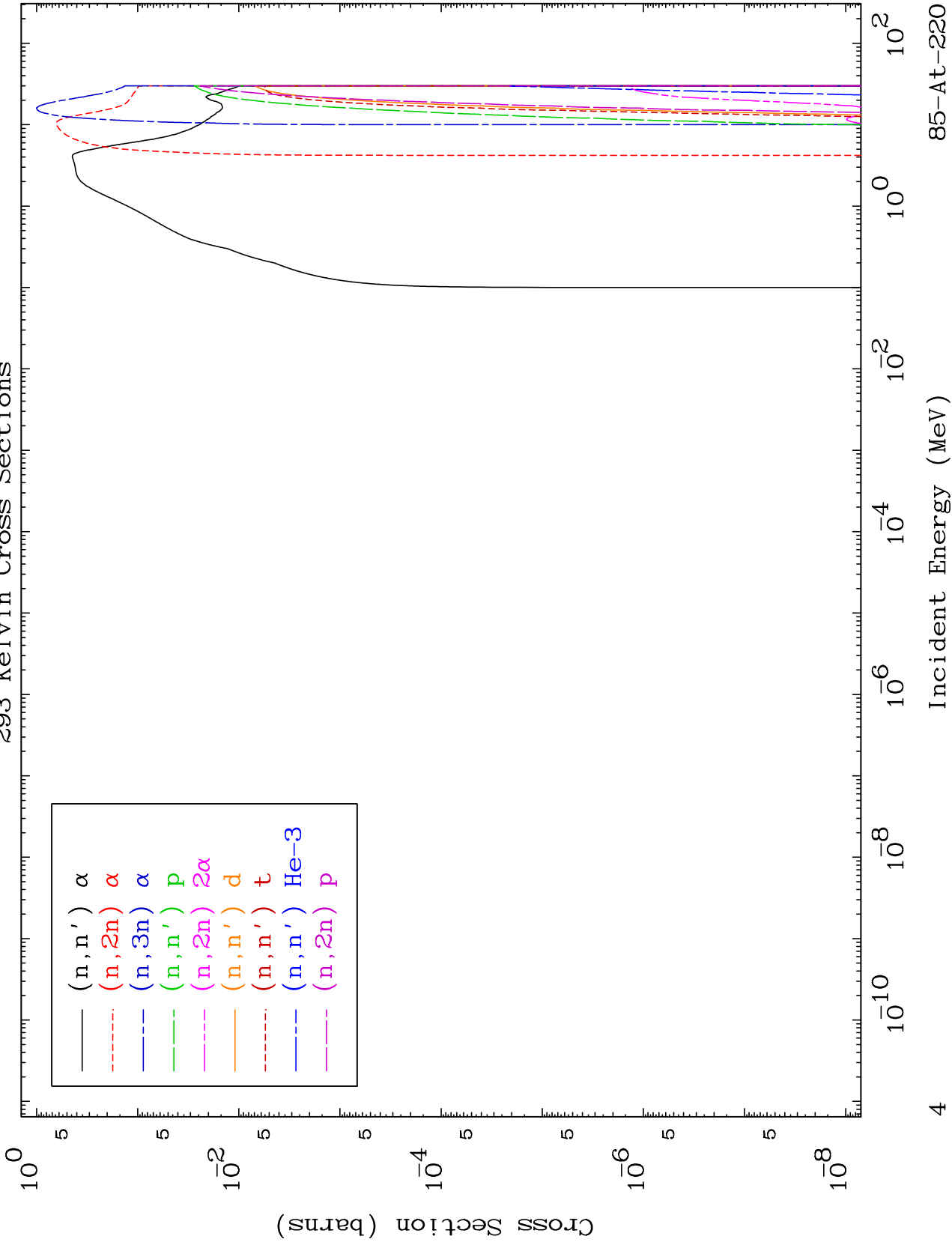
85-At-220



MAT 8576

Charged Particle
293 Kelvin Cross Sections

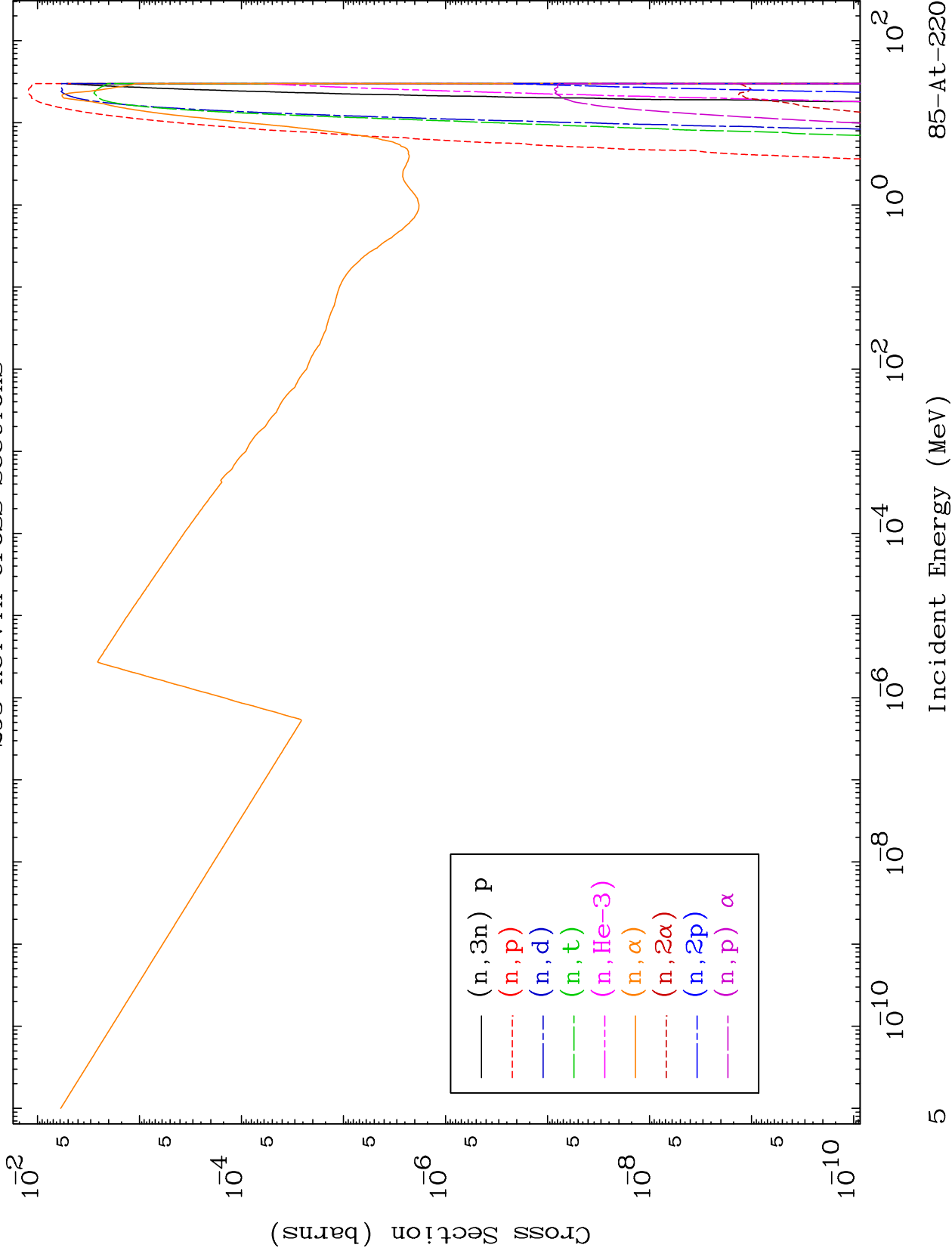
85-At-220



MAT 8576

Charged Particle
293 Kelvin Cross Sections

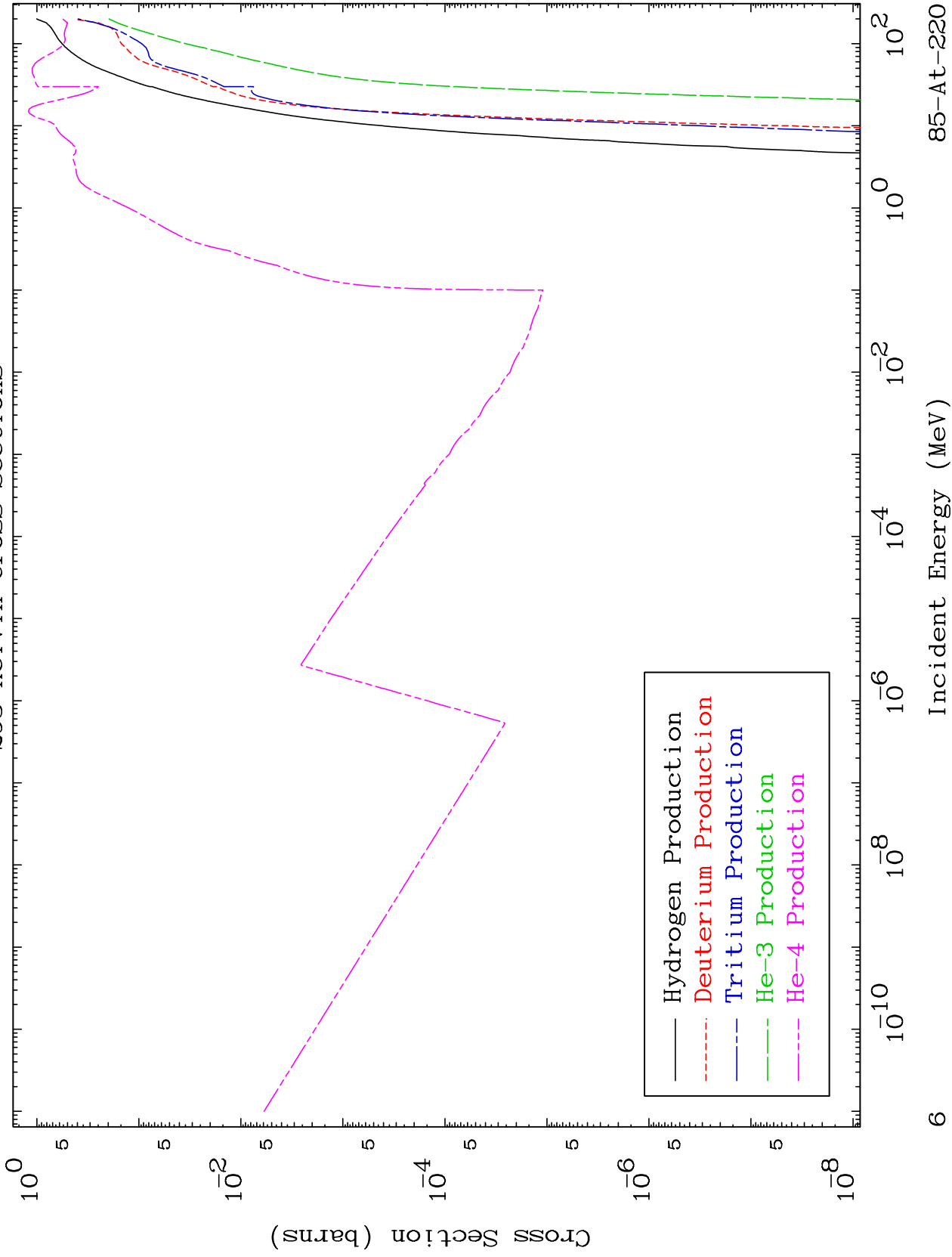
85-At-220



MAT 8576

Particle Production
293 Kelvin Cross Sections

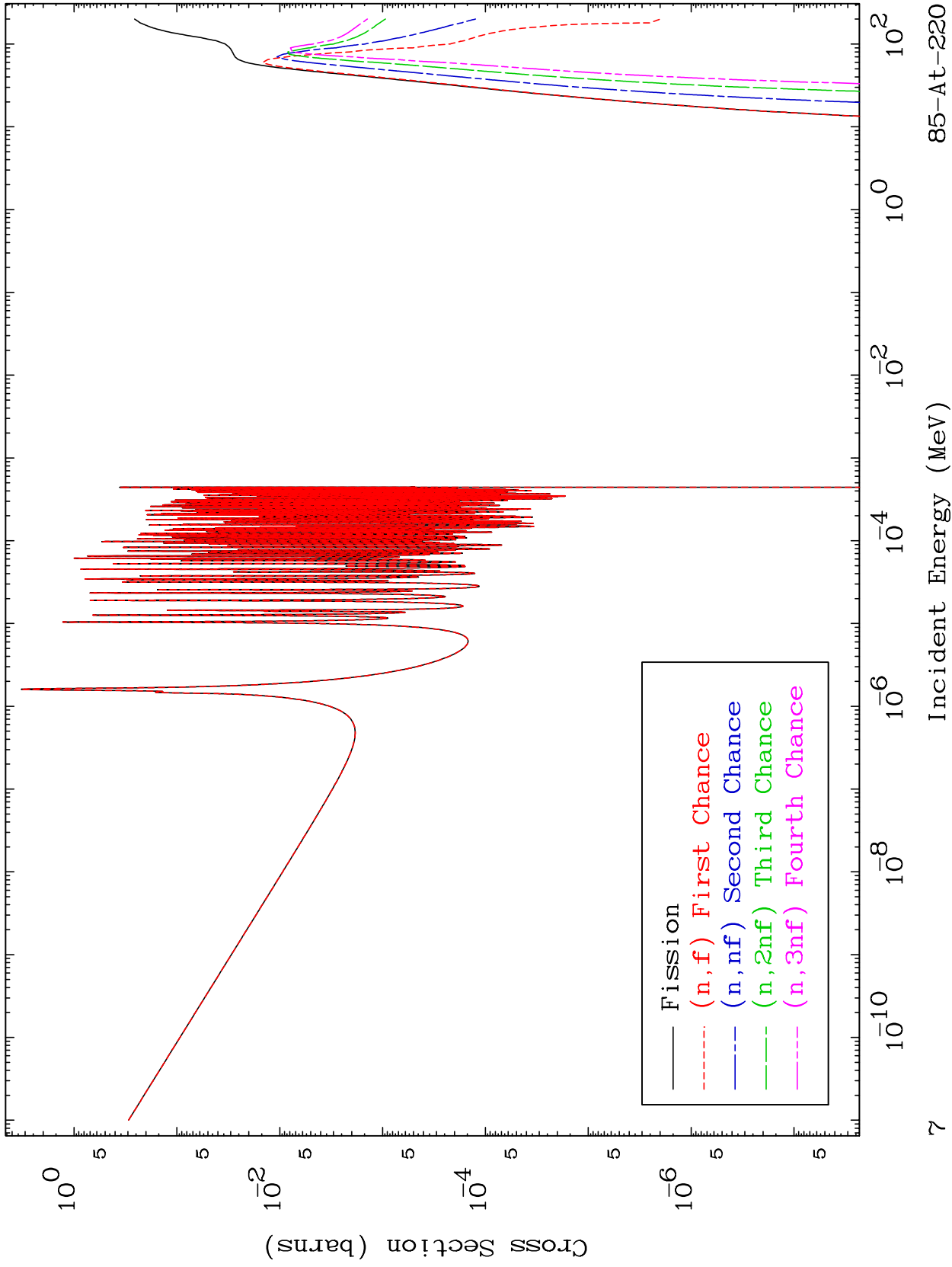
85-At-220



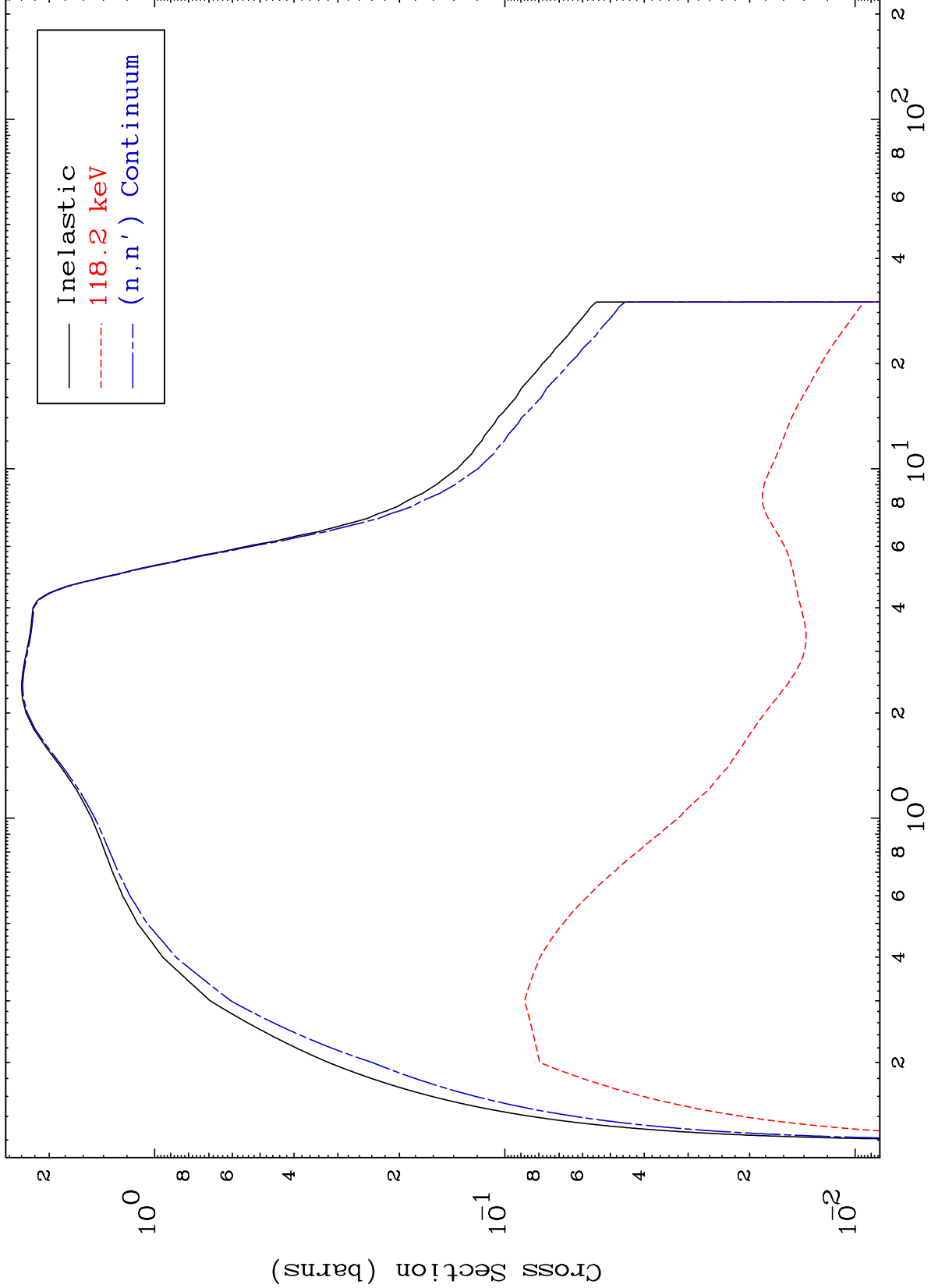
MAT 8576

Fission
293 Kelvin Cross Sections

85-At-220



293 Kelvin Cross Sections

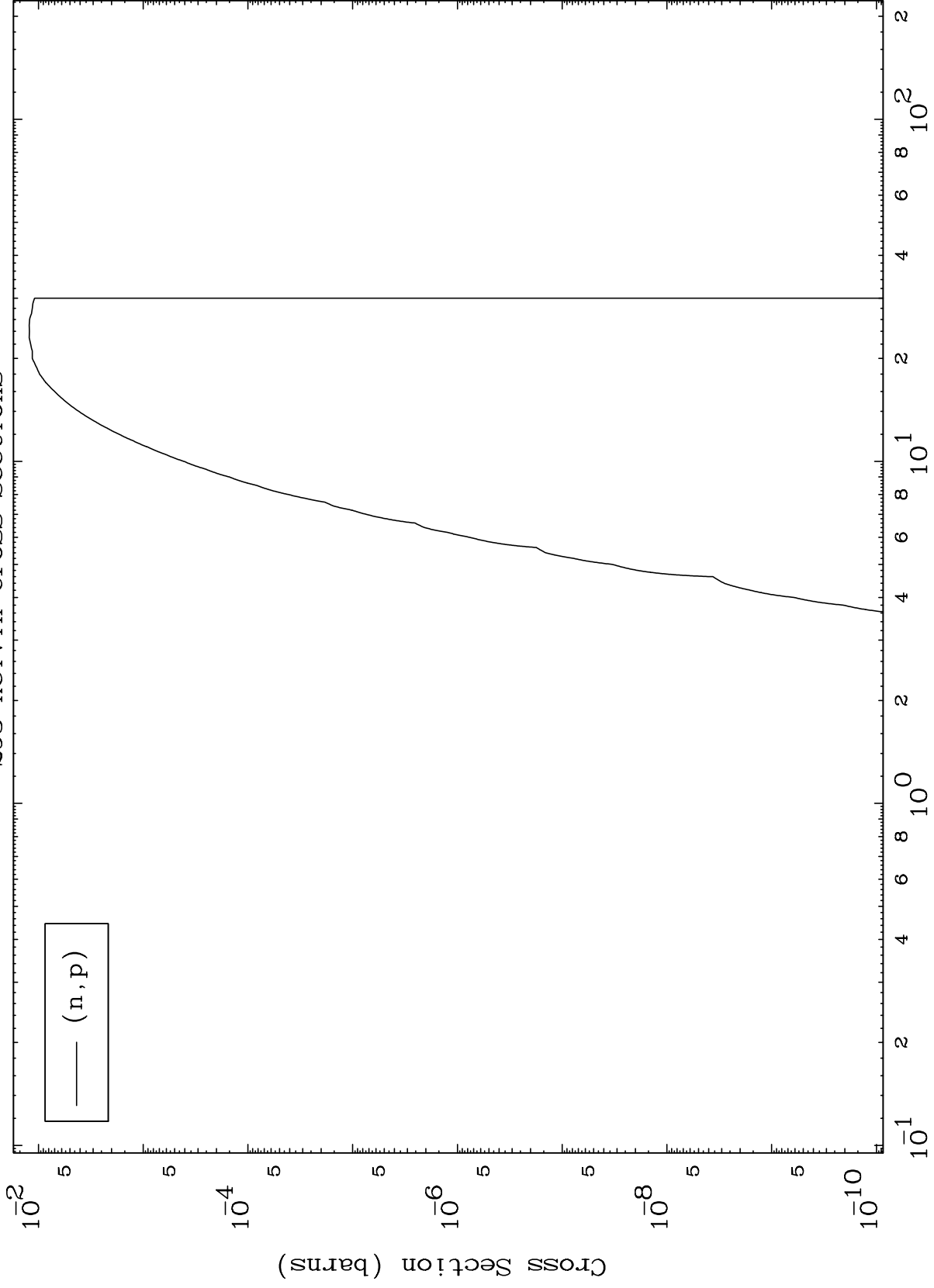


— Inelastic
- - - 118.2 keV
- - - (n,n') Continuum

MAT 8576

(n,p) Levels
293 Kelvin Cross Sections

85-At-220



Incident Energy (MeV)

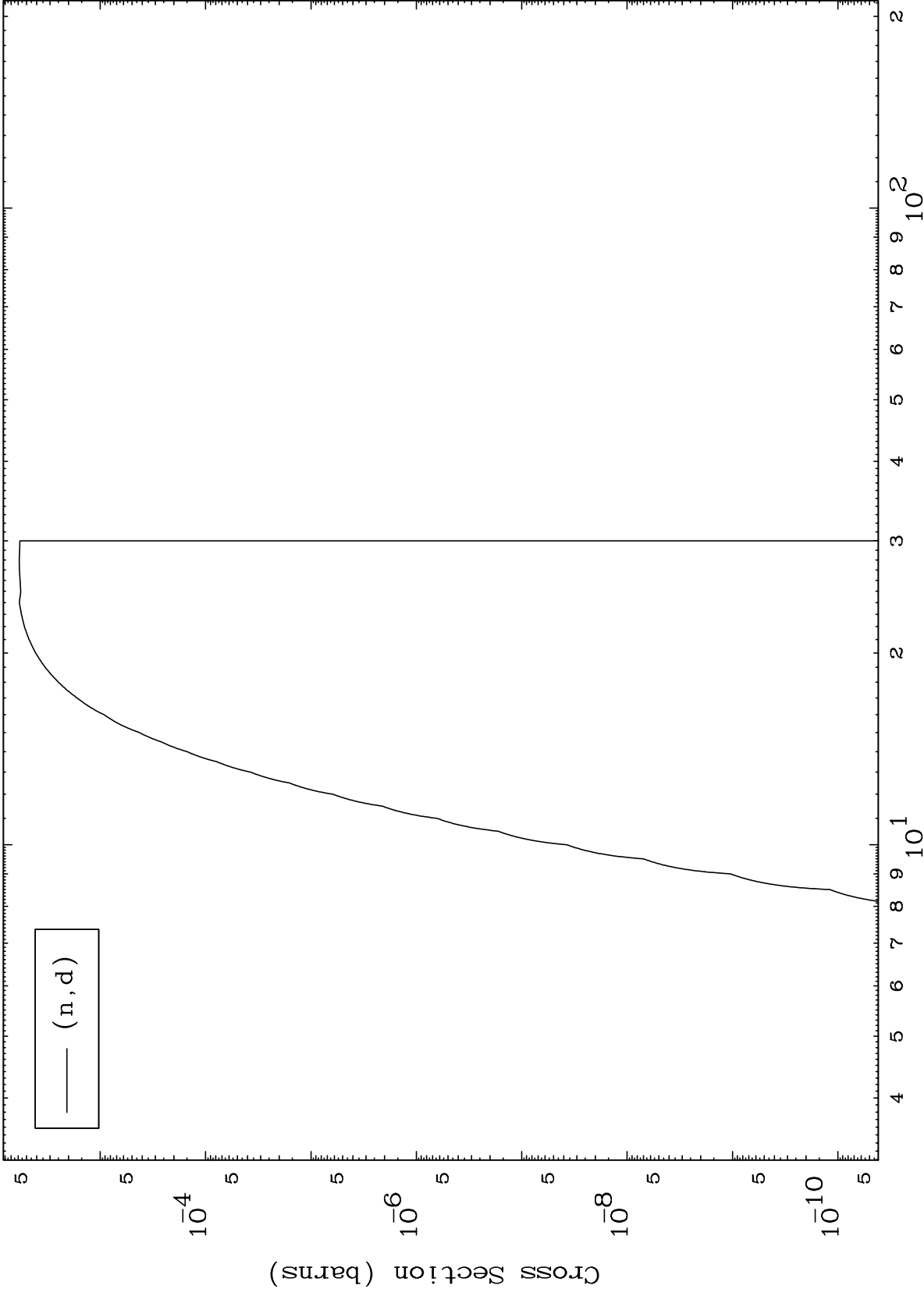
85-At-220

9

MAT 8576

(n,d) Levels
293 Kelvin Cross Sections

85-At-220



10

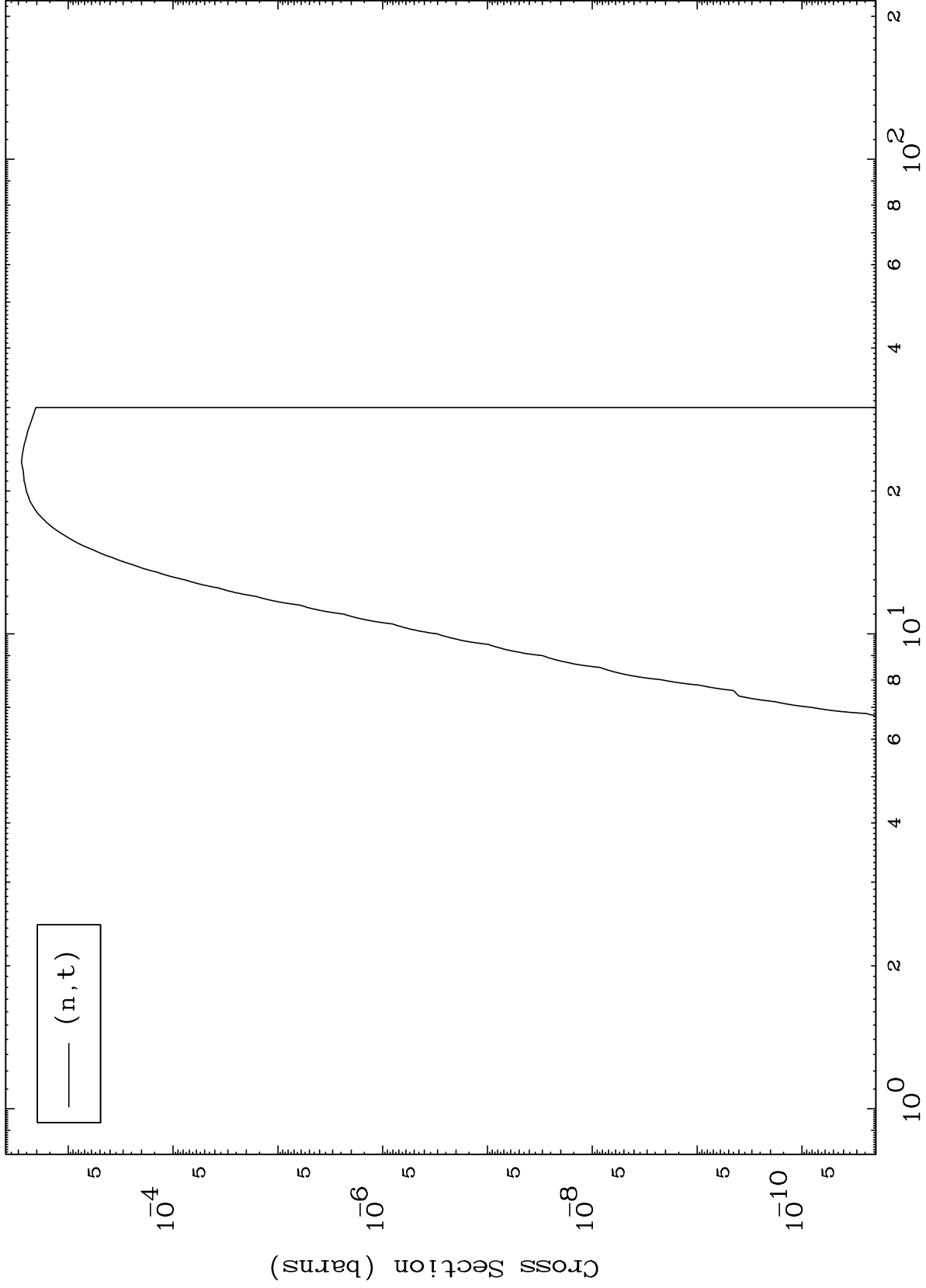
Incident Energy (MeV)

85-At-220

MAT 8576

(n,t) Levels
293 Kelvin Cross Sections

85-At-220



11

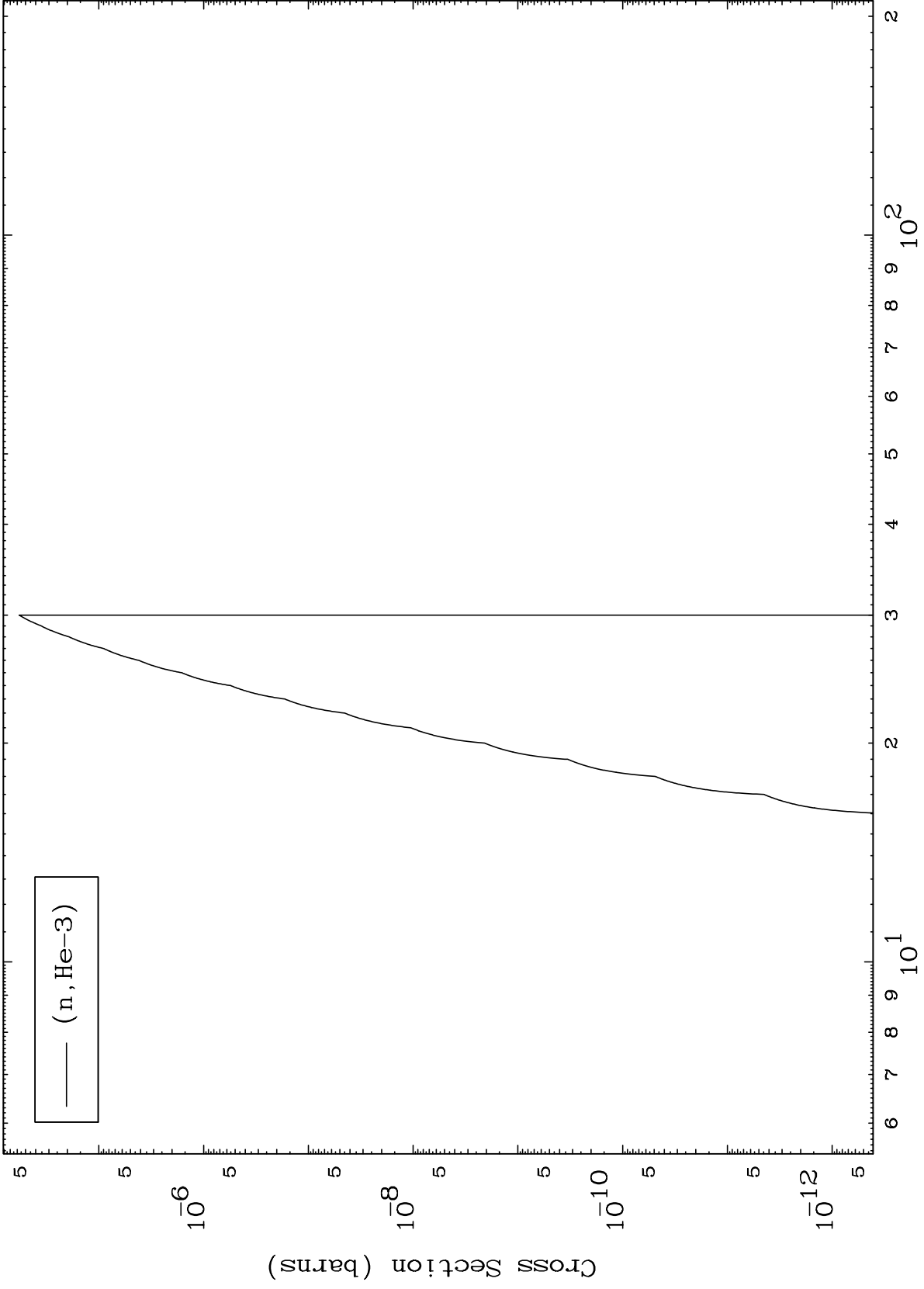
Incident Energy (MeV)

85-At-220

MAT 8576

(n,He3) Levels
293 Kelvin Cross Sections

85-At-220



12

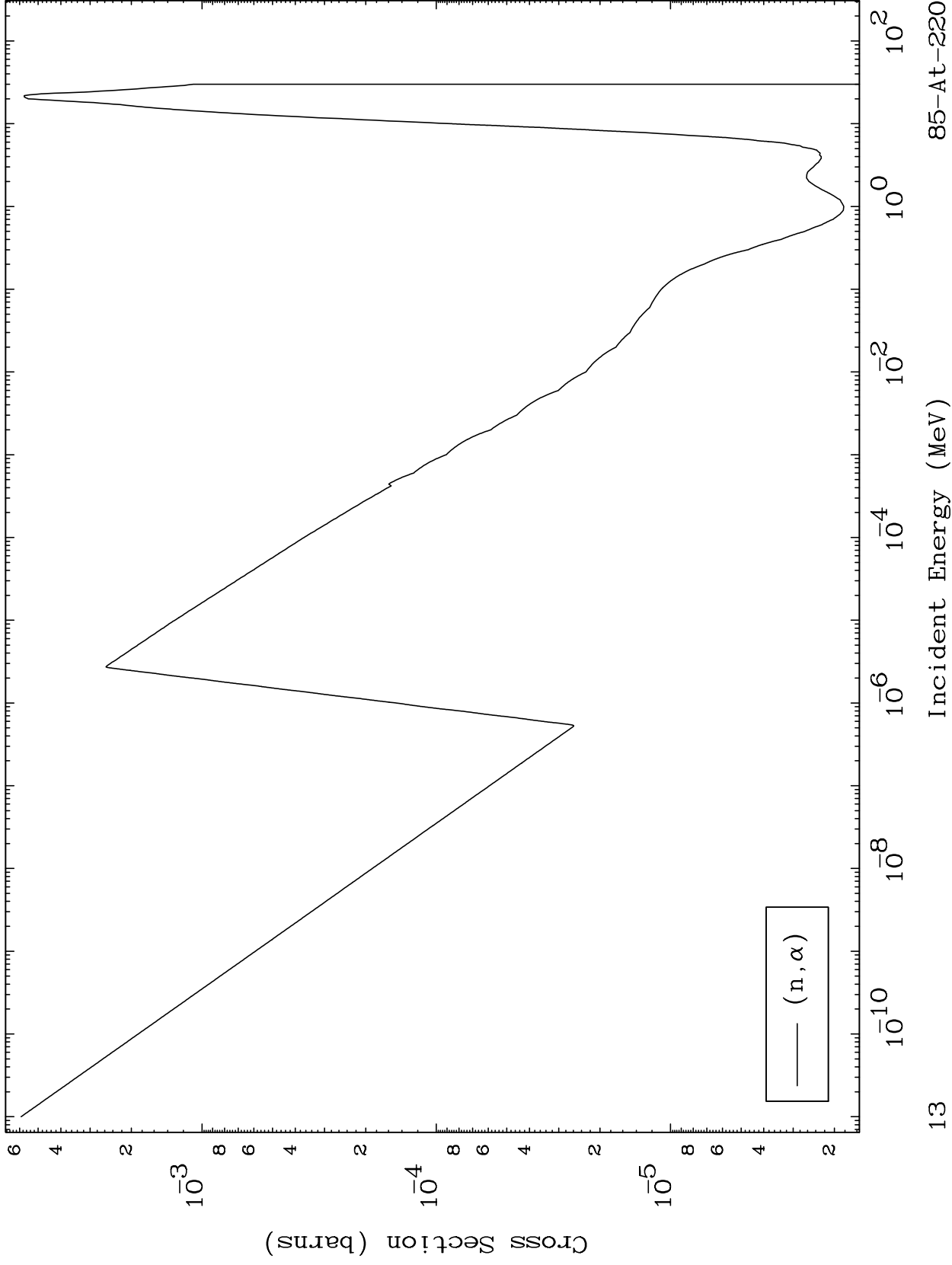
Incident Energy (MeV)

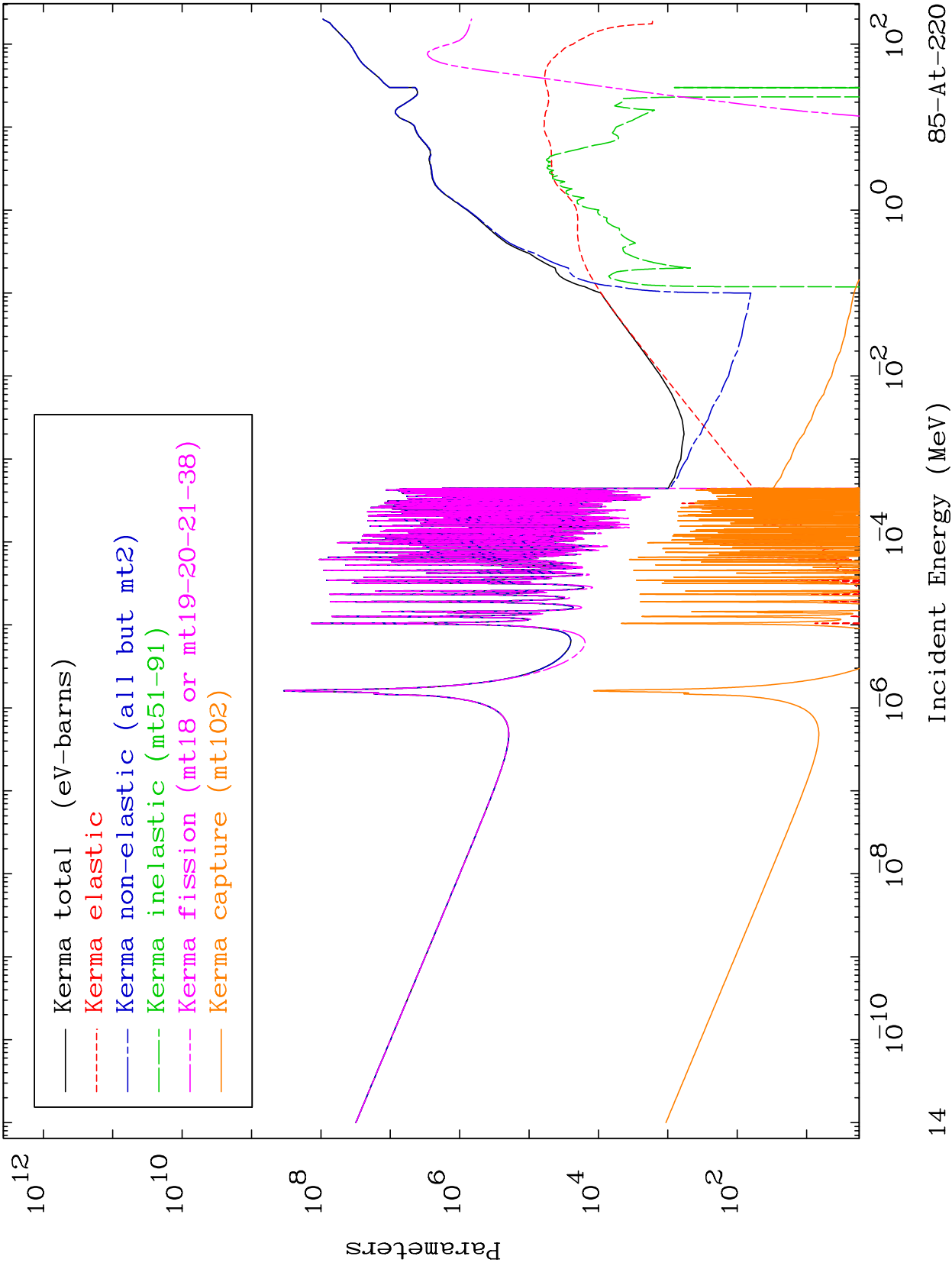
85-At-220

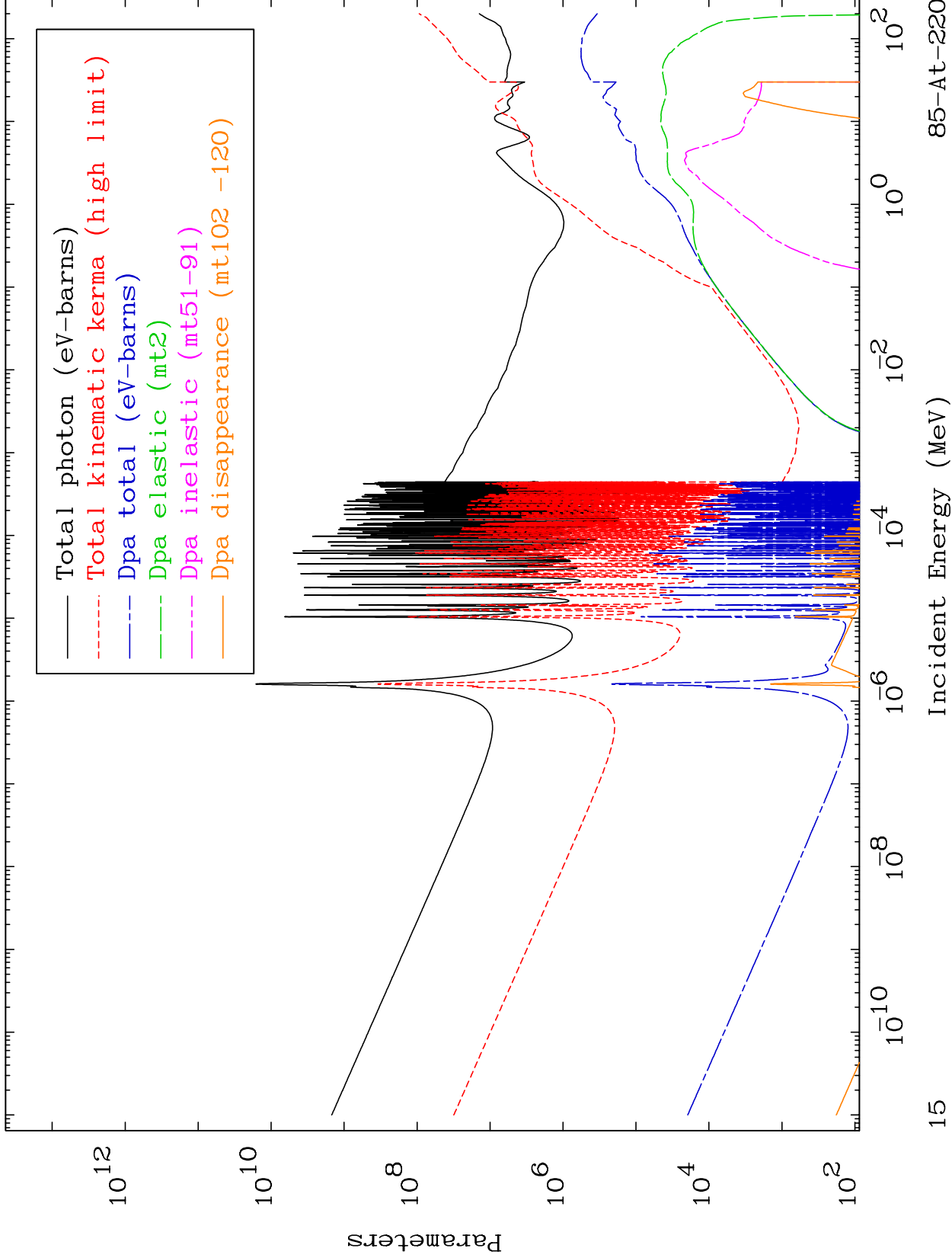
MAT 8576

(n, α) Levels
293 Kelvin Cross Sections

85-At-220



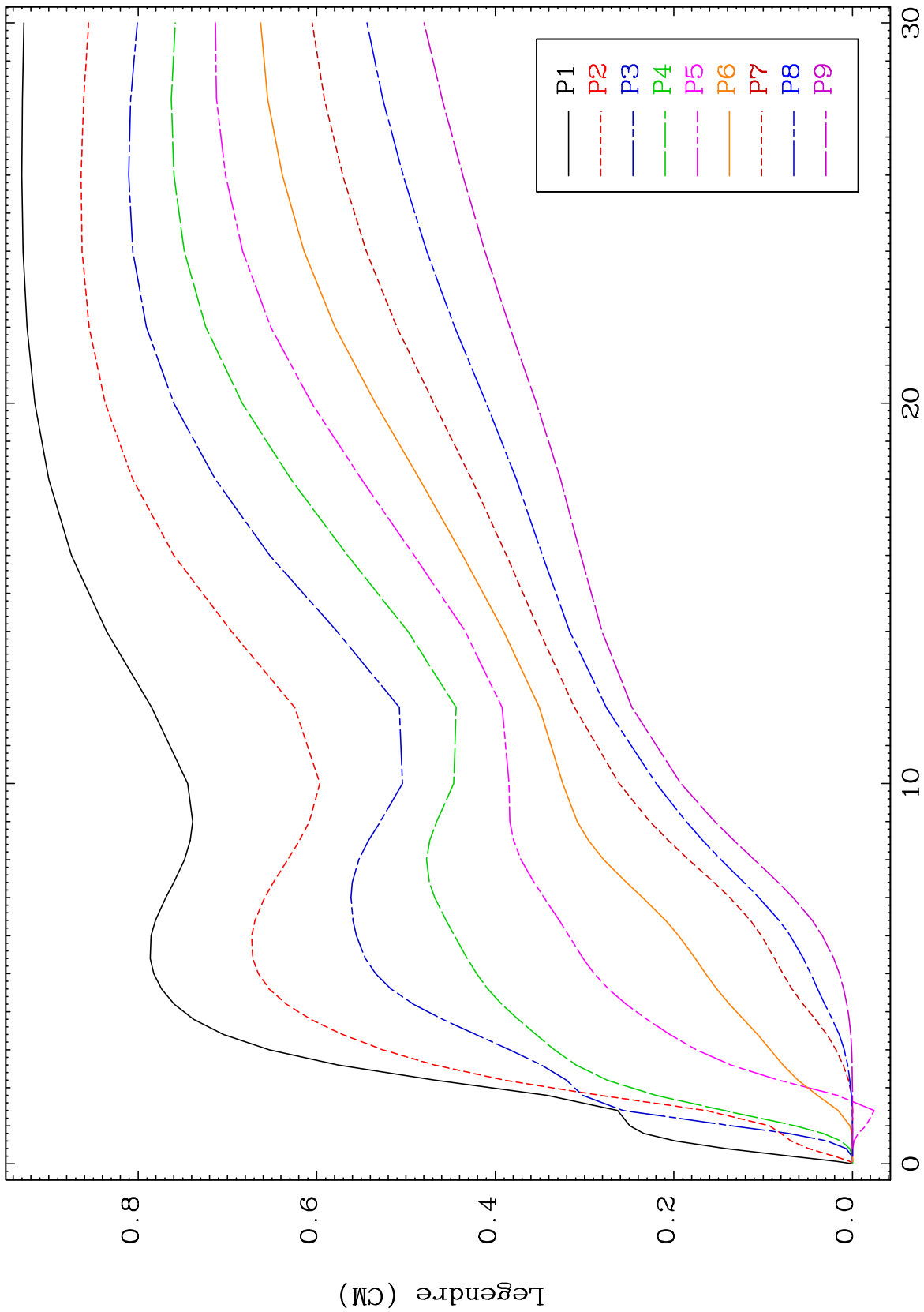




MAT 8576

85-At-220

Elastic Legendre Coefficients



85-At-220

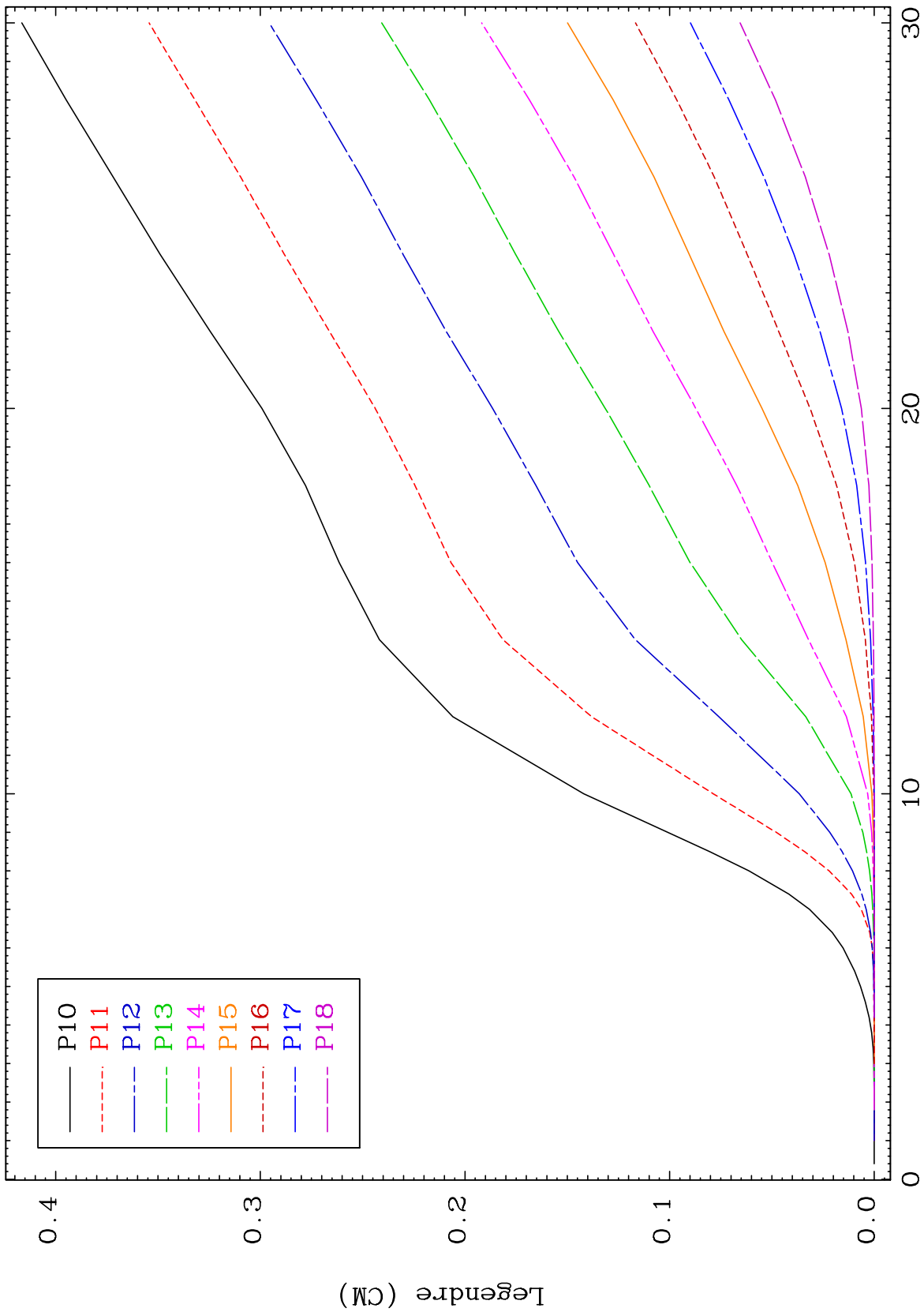
Incident Energy (MeV)

16

MAT 8576

Elastic Legendre Coefficients

85-At-220



17

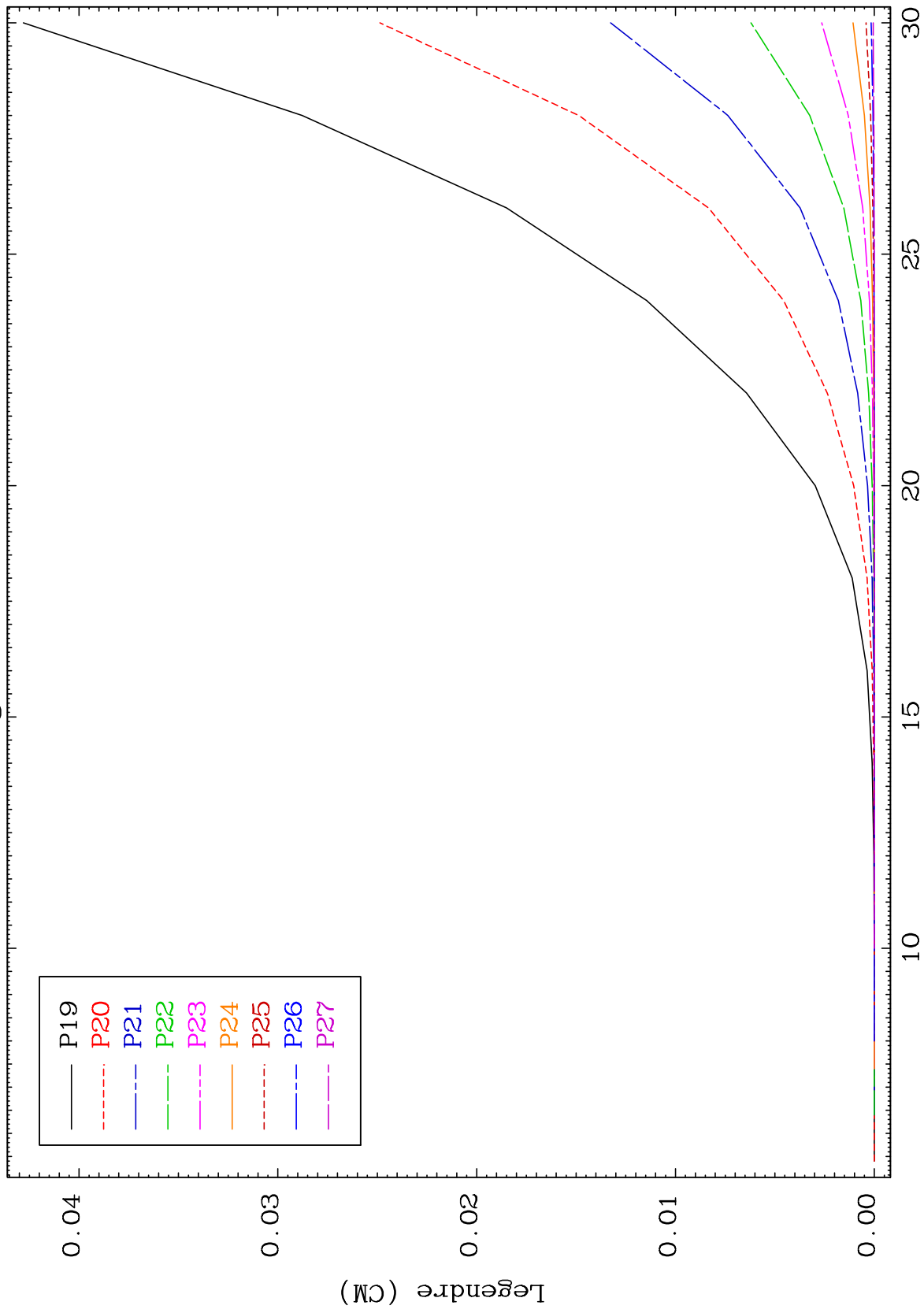
Incident Energy (MeV)

85-At-220

MAT 8576

Elastic Legendre Coefficients

85-At-220



18

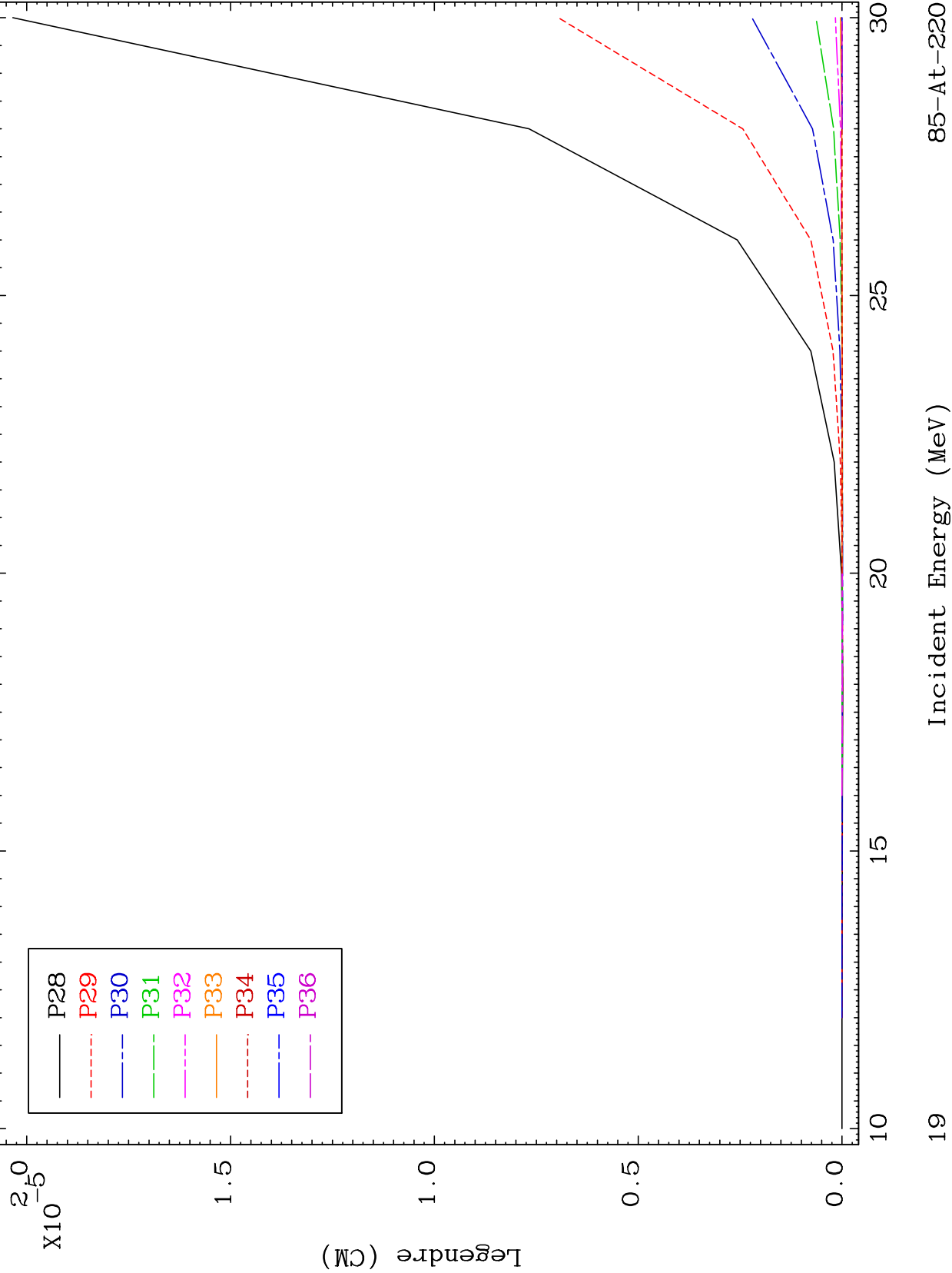
Incident Energy (MeV)

85-At-220

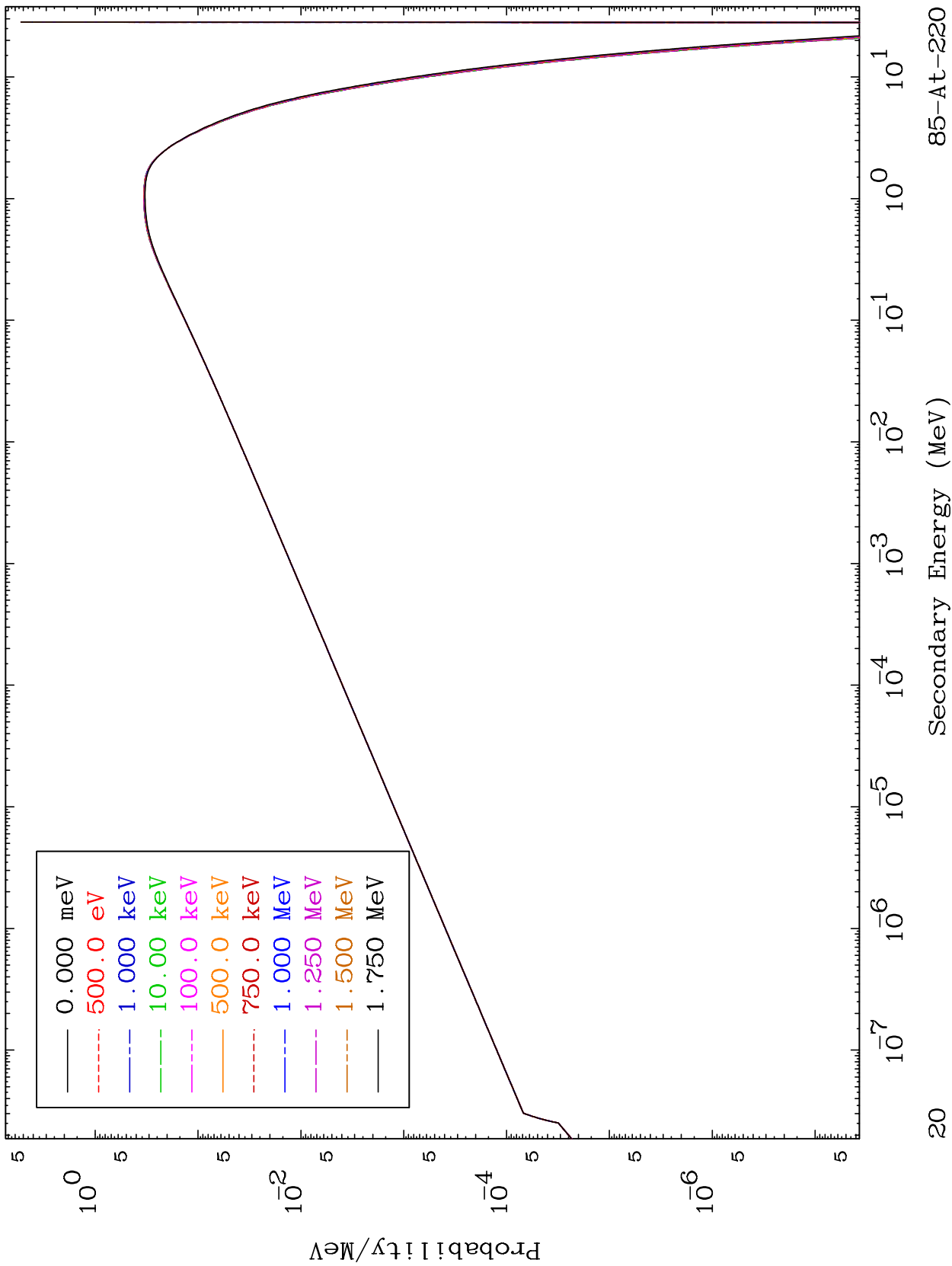
MAT 8576

Elastic Legendre Coefficients

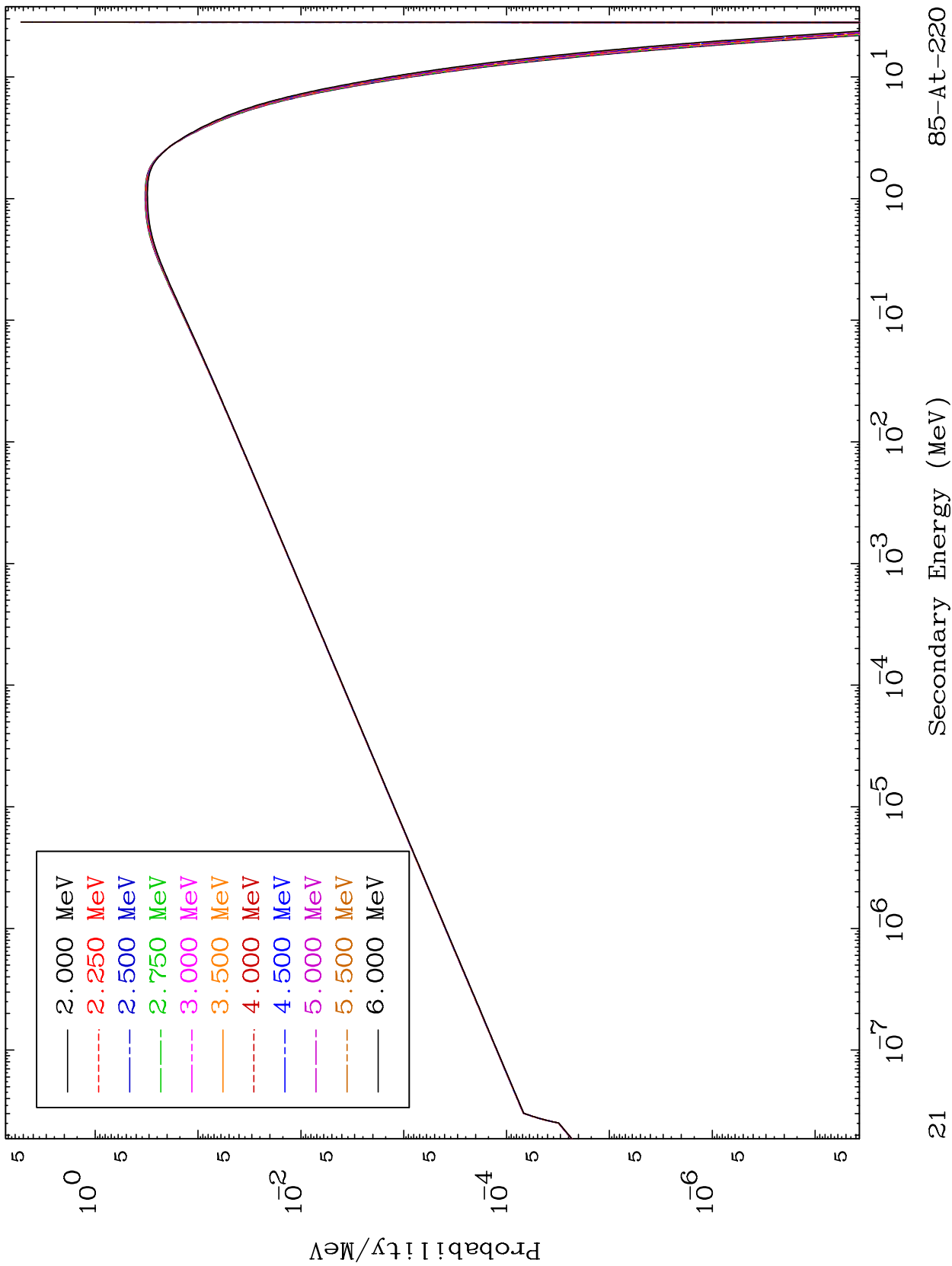
85-At-220



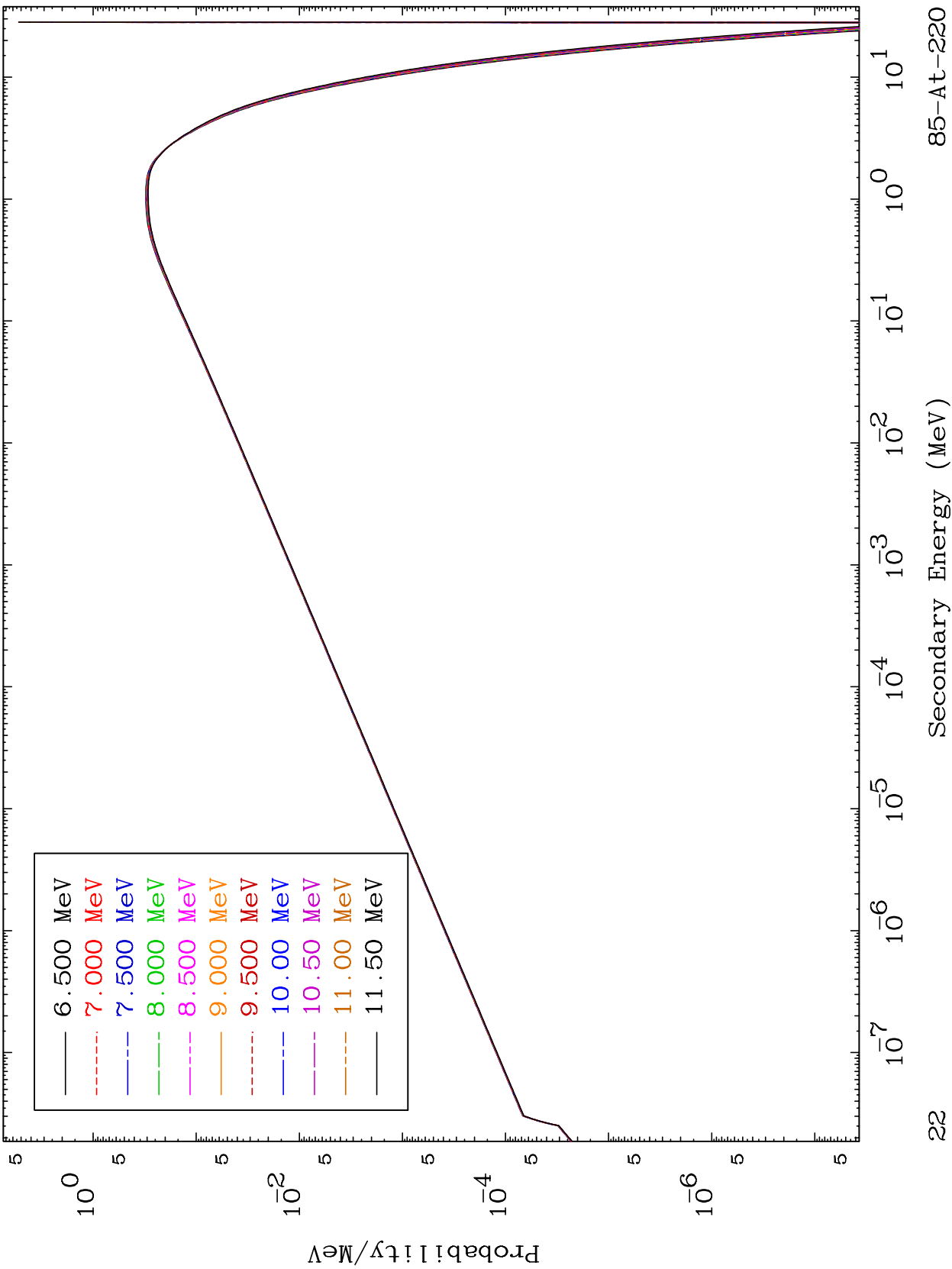
Fission
Energy Distribution



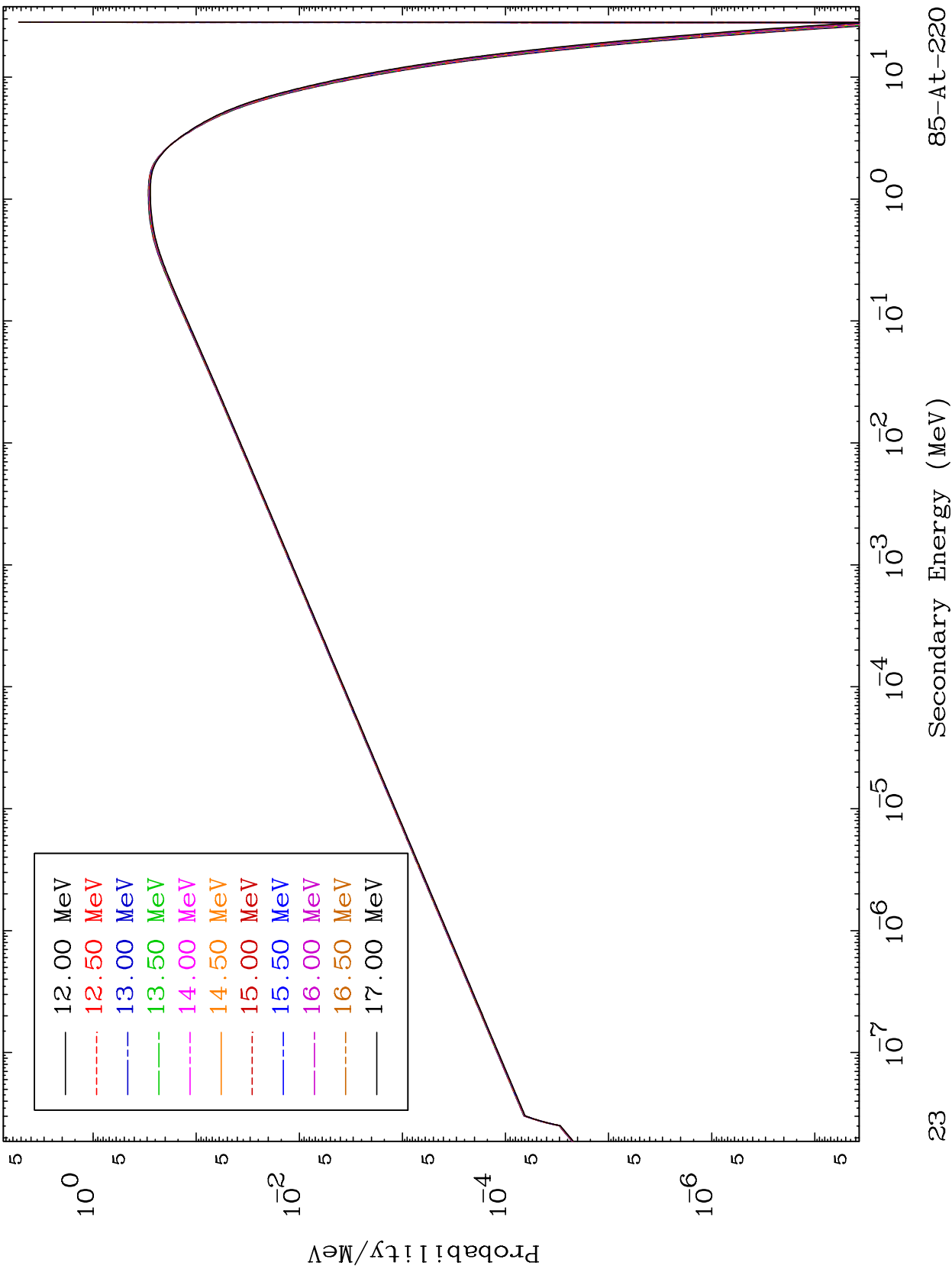
Fission Energy Distribution



Fission Energy Distribution



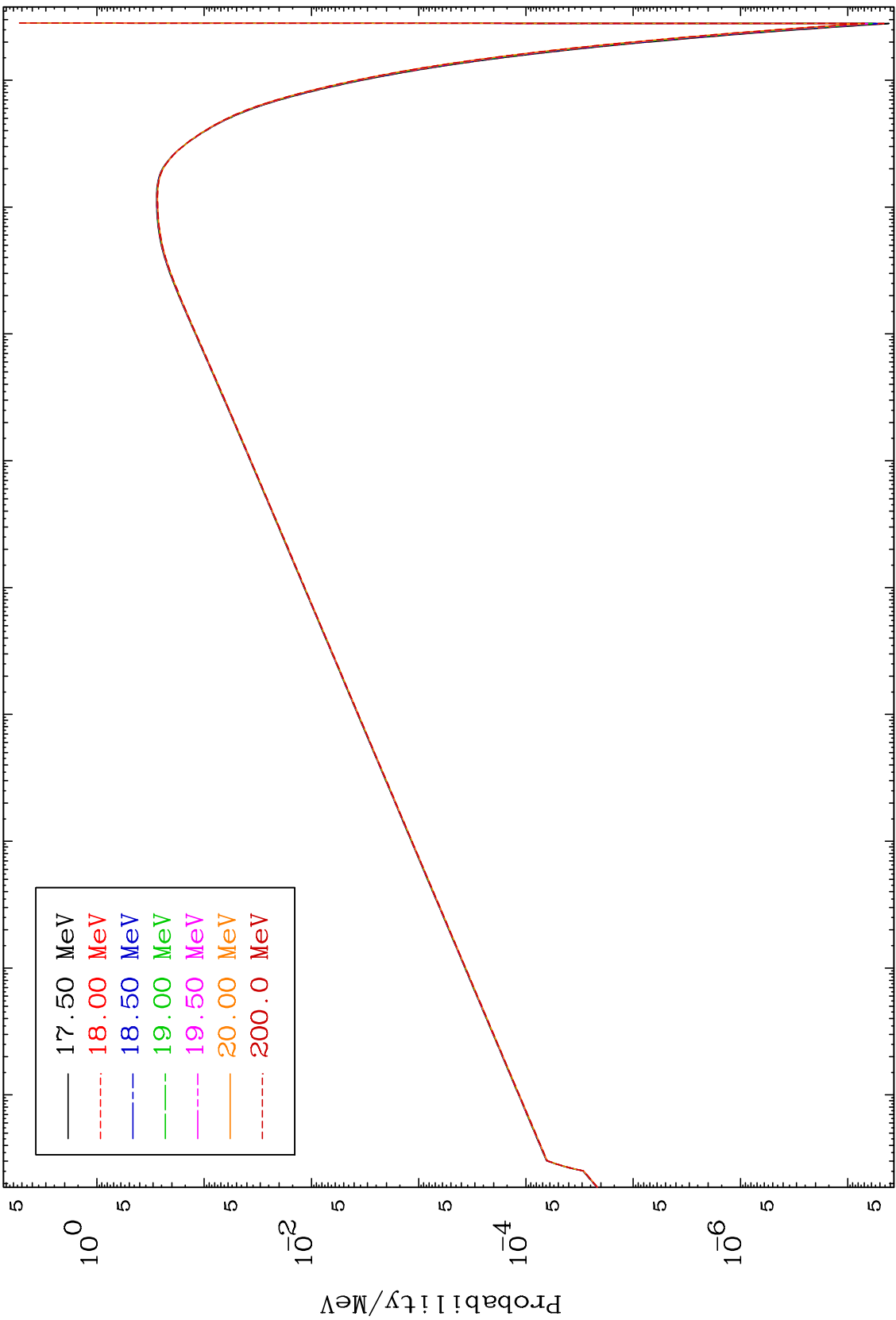
Fission Energy Distribution



MAT 8576

Fission Energy Distribution

85-At-220

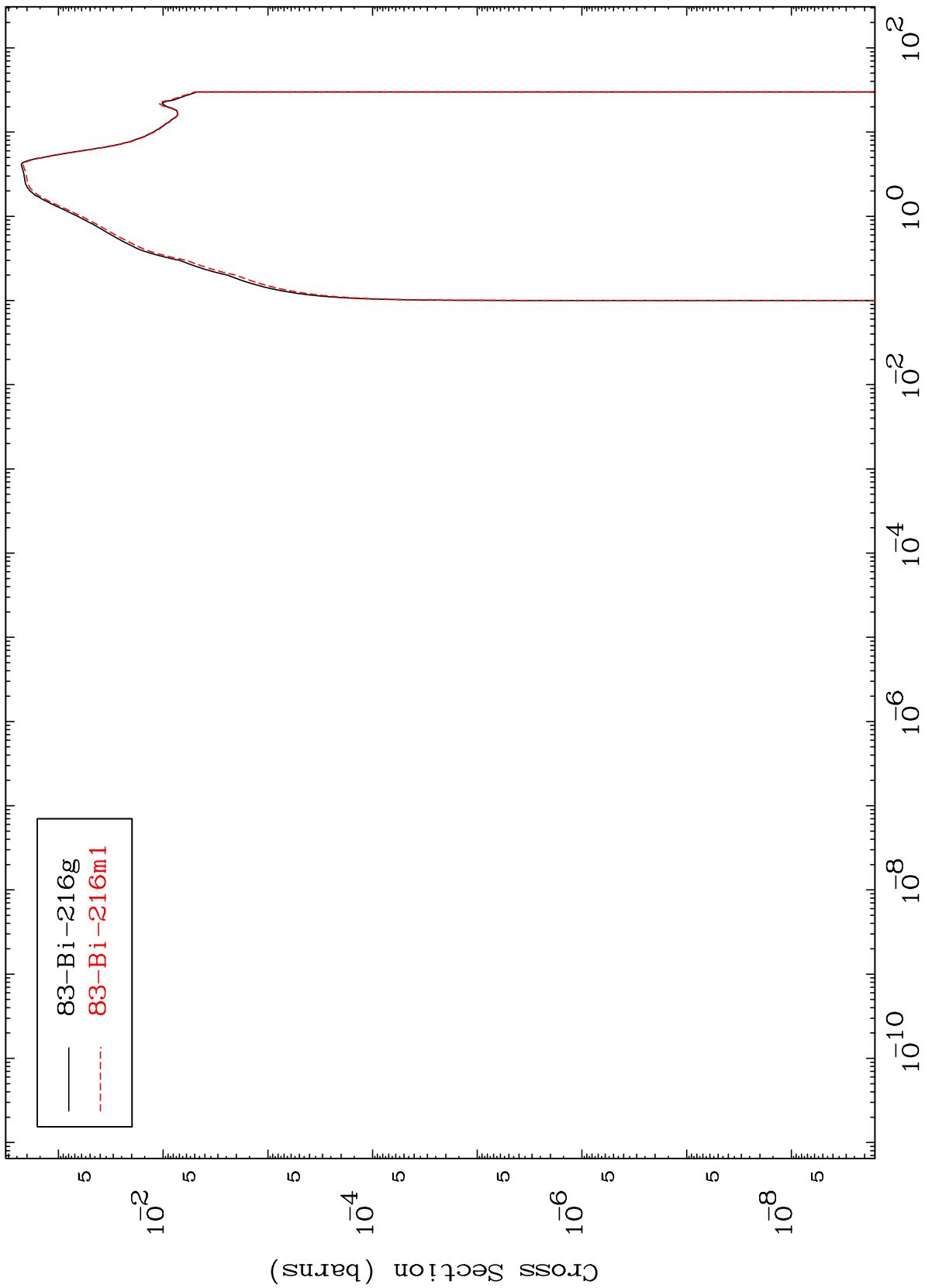


MAT 8576

(n,n') α

85-At-220

Radionuclide Production Cross Section



25

Incident Energy (MeV)

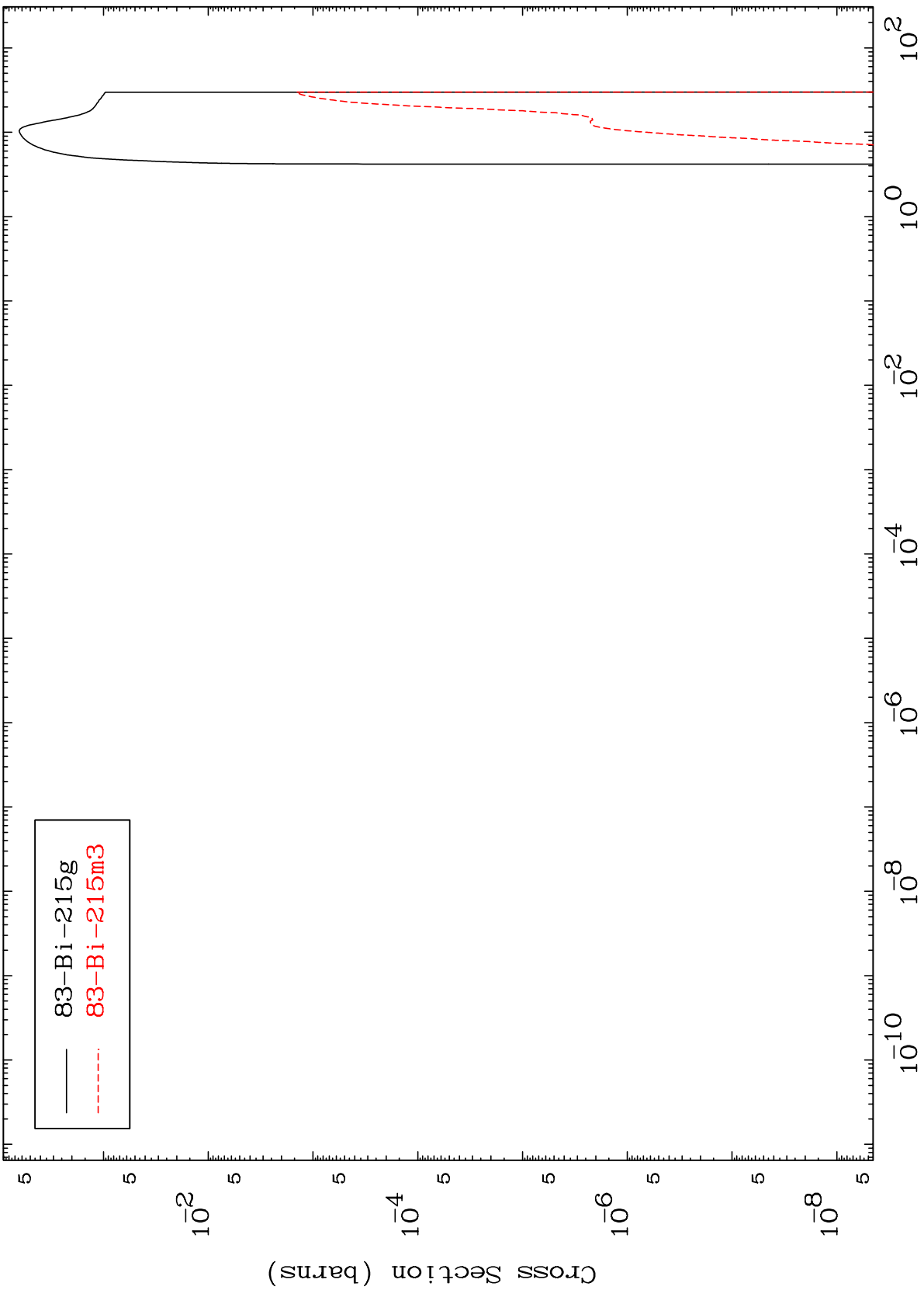
85-At-220

MAT 8576

(n,2n) α

85-At-220

Radionuclide Production Cross Section



83-Bi-215g
83-Bi-215m3

Incident Energy (MeV)

85-At-220

26