

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

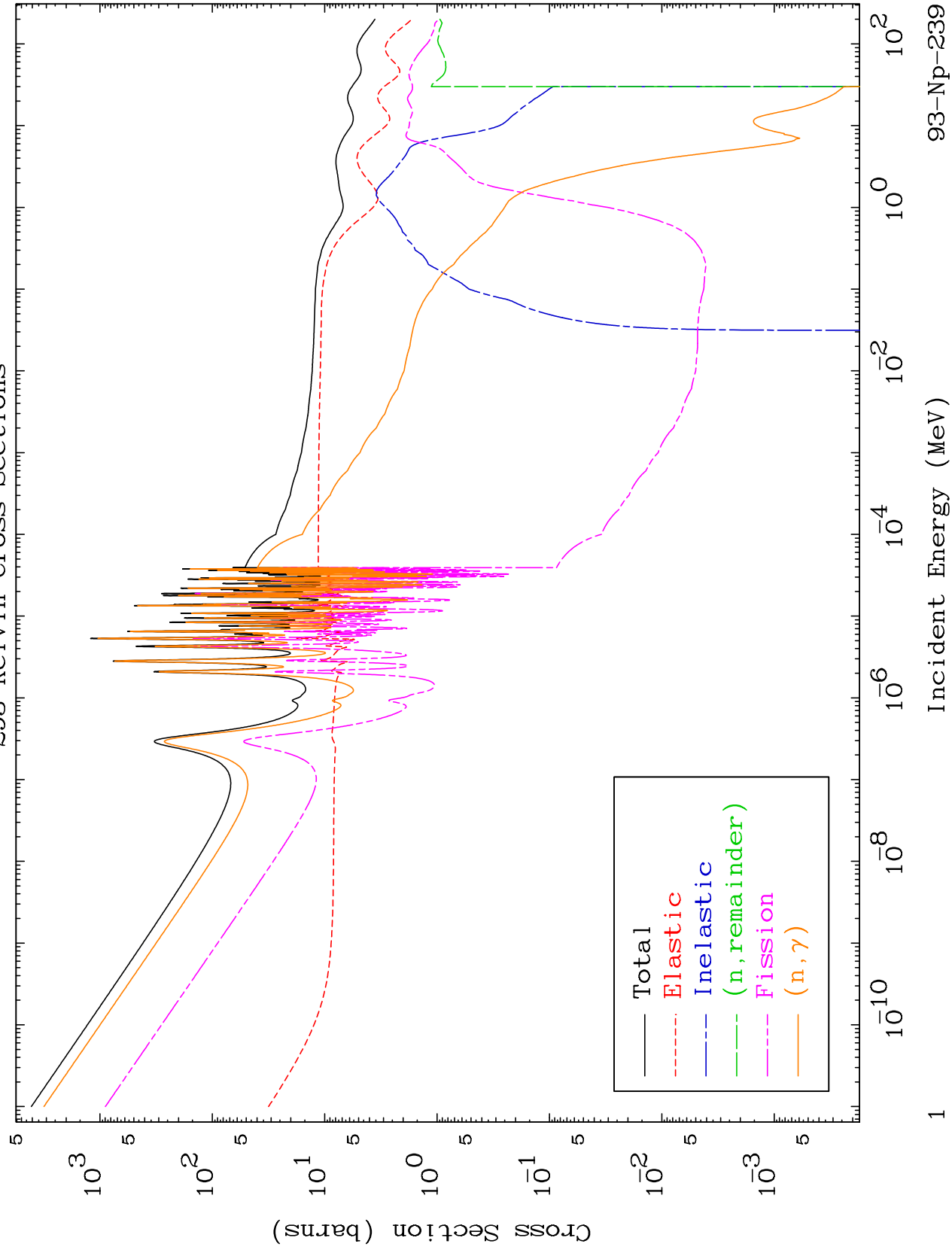
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9352

Major
293 Kelvin Cross Sections

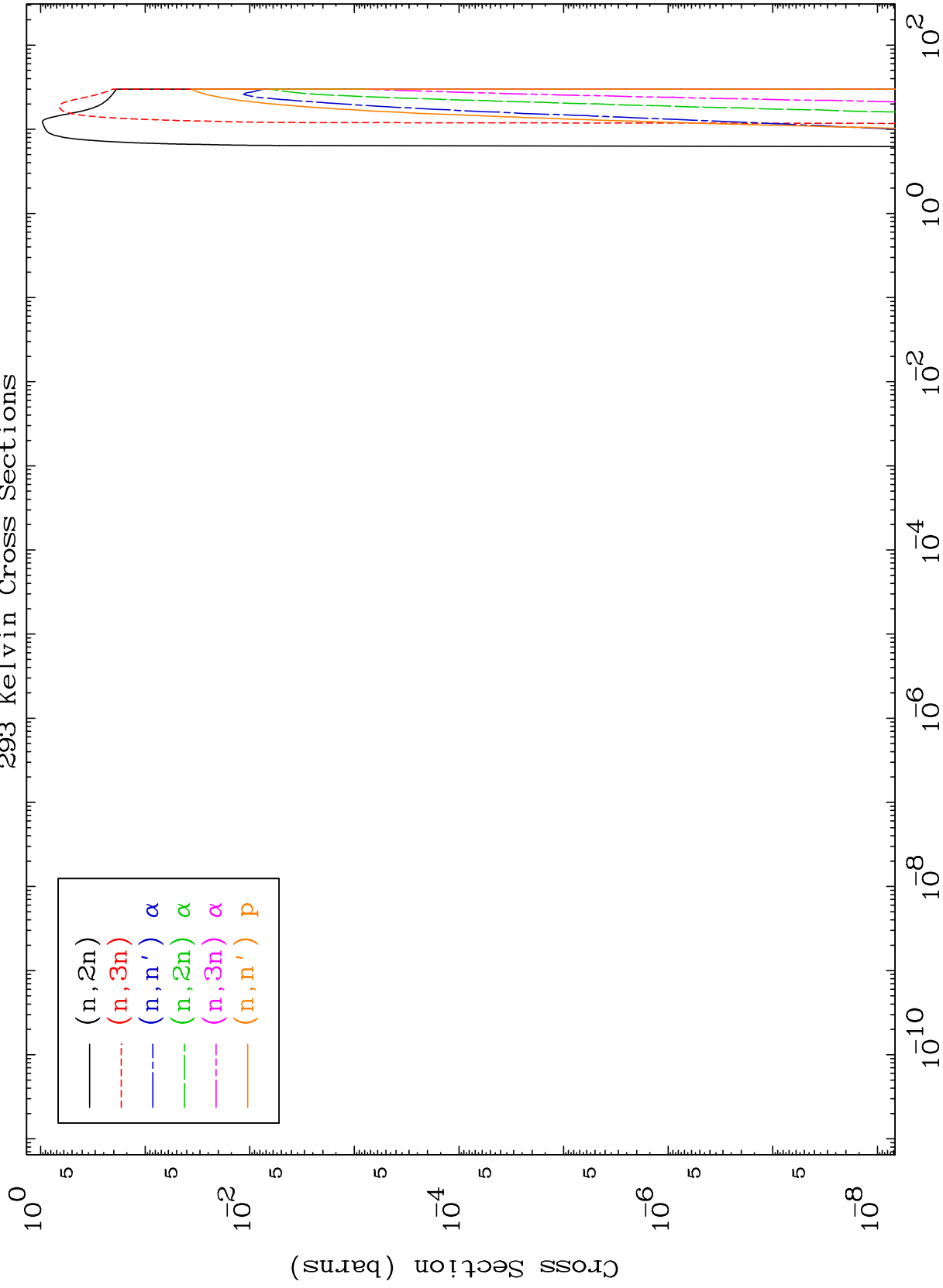
93-Np-239



MAT 9352

Neutron Production
293 Kelvin Cross Sections

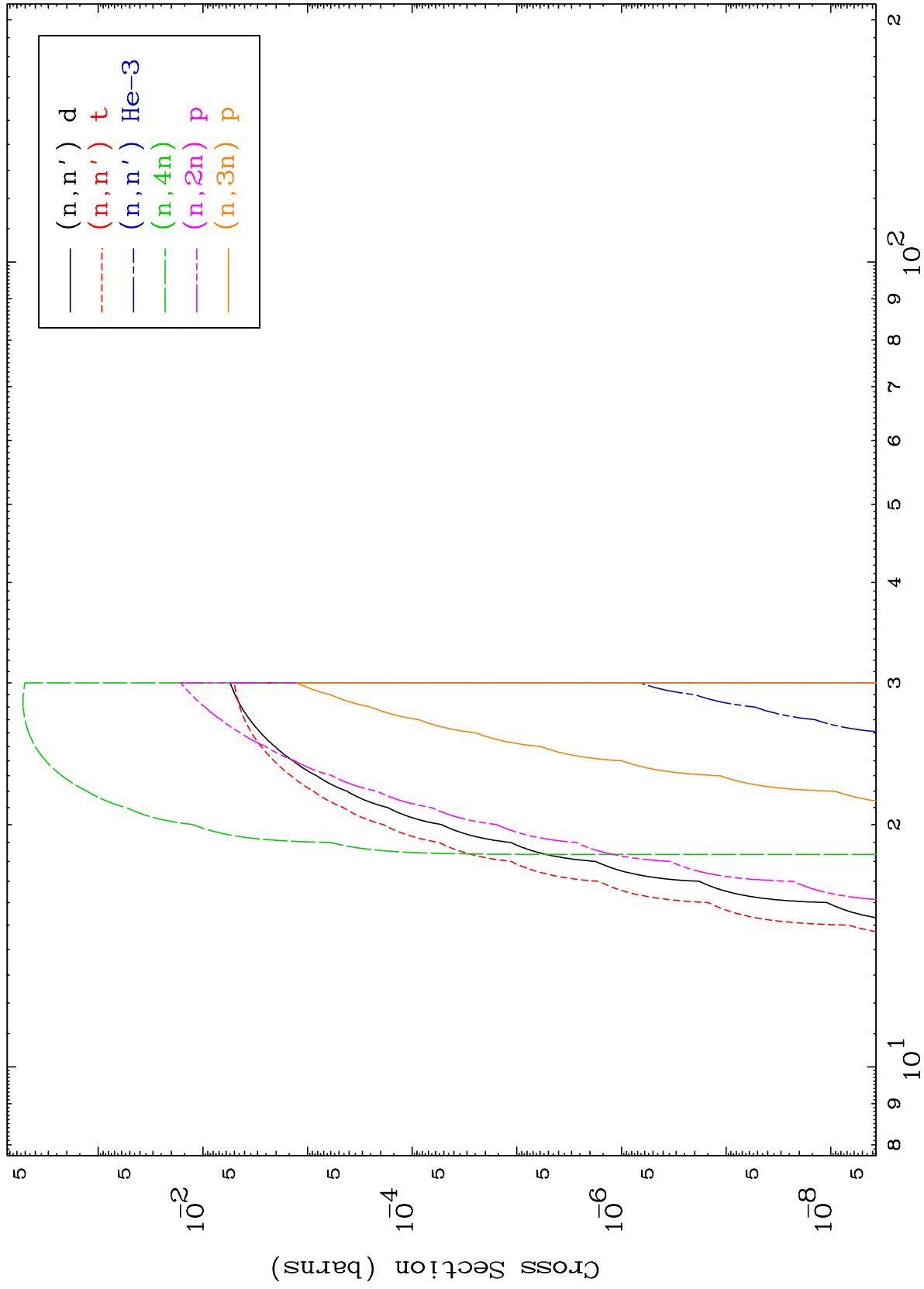
93-Np-239



2

Incident Energy (MeV)

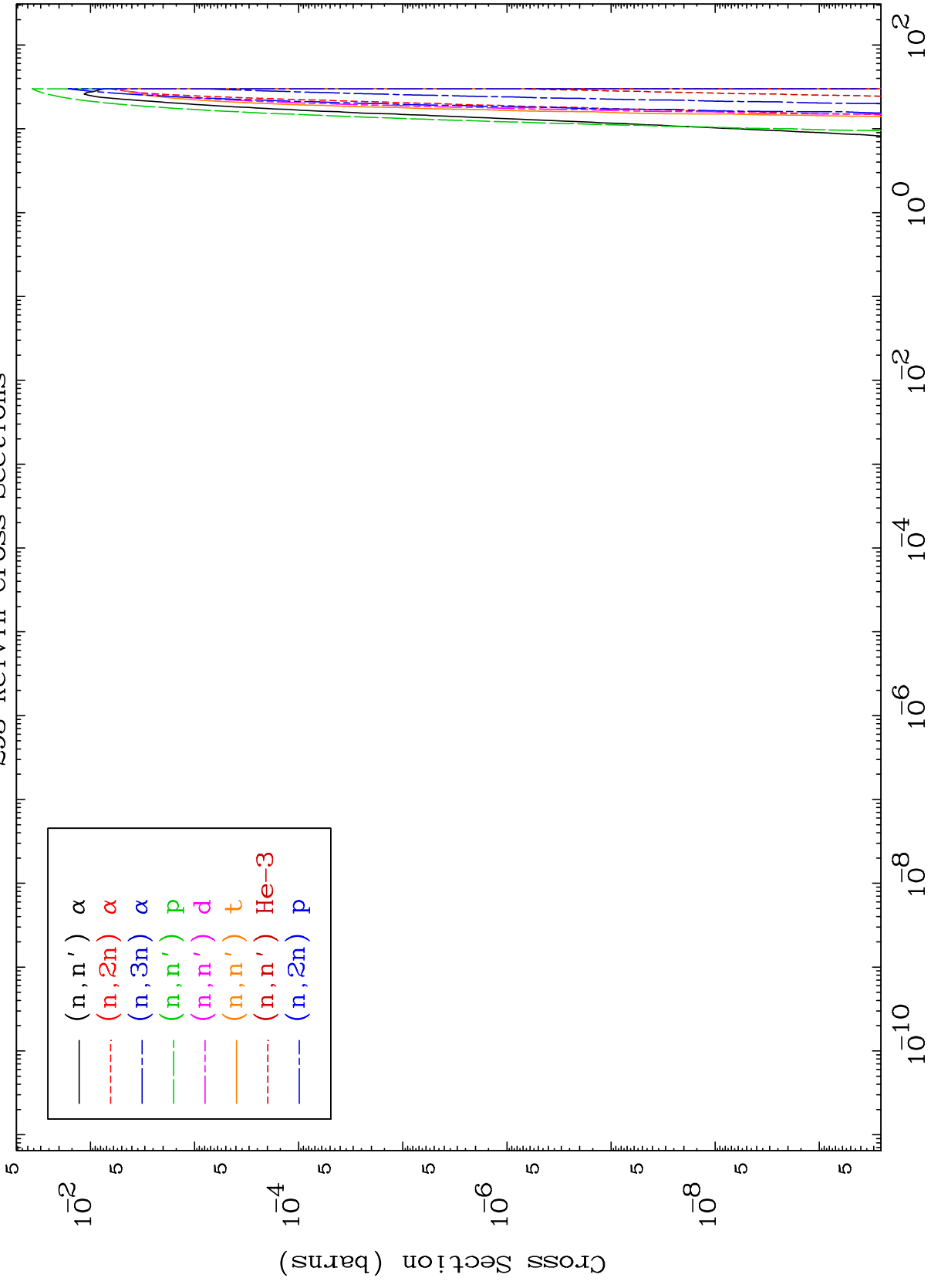
93-Np-239



MAT 9352

Charged Particle
293 Kelvin Cross Sections

93-Np-239



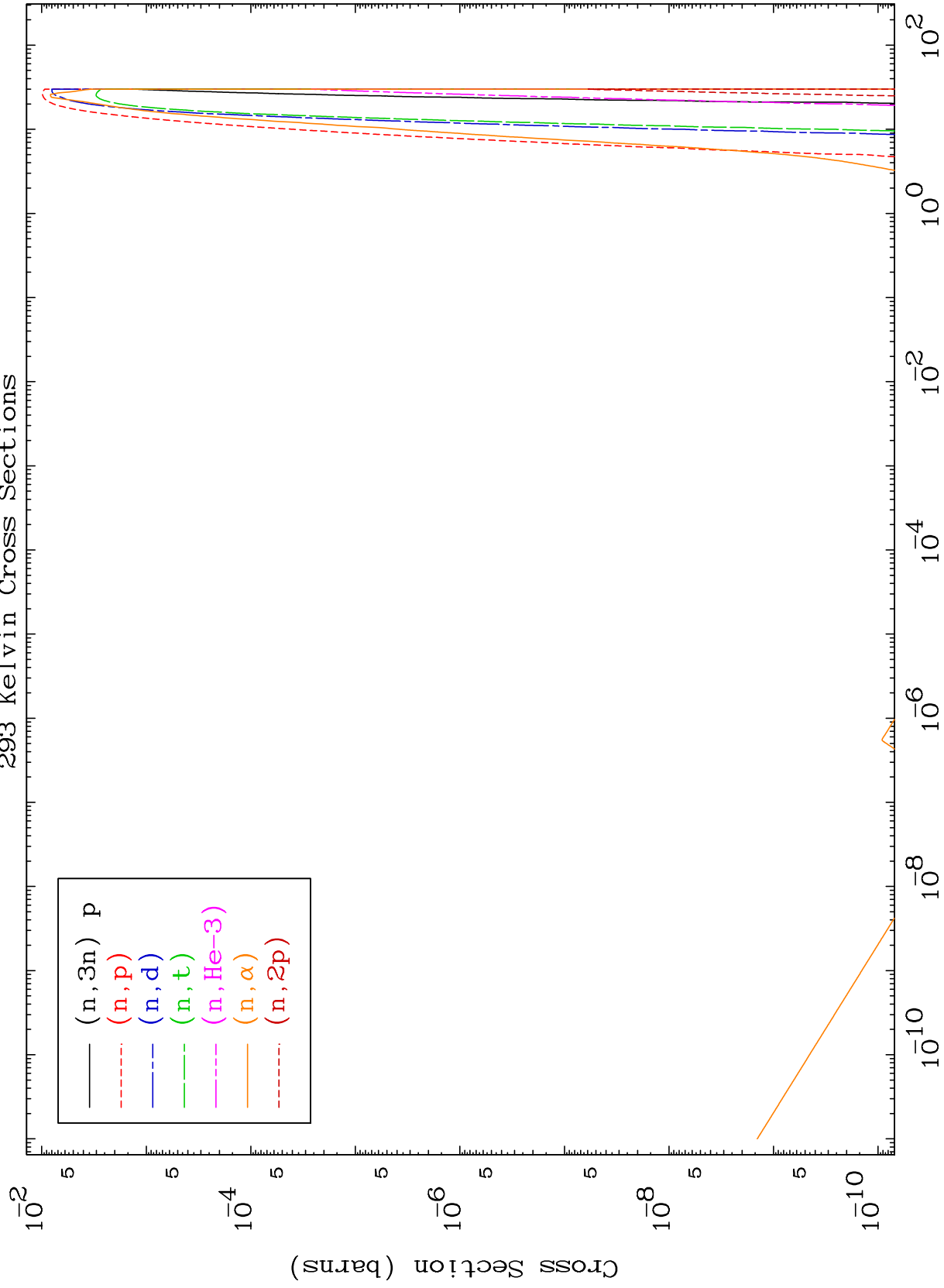
93-Np-239

Incident Energy (MeV)

MAT 9352

Charged Particle
293 Kelvin Cross Sections

93-Np-239



5

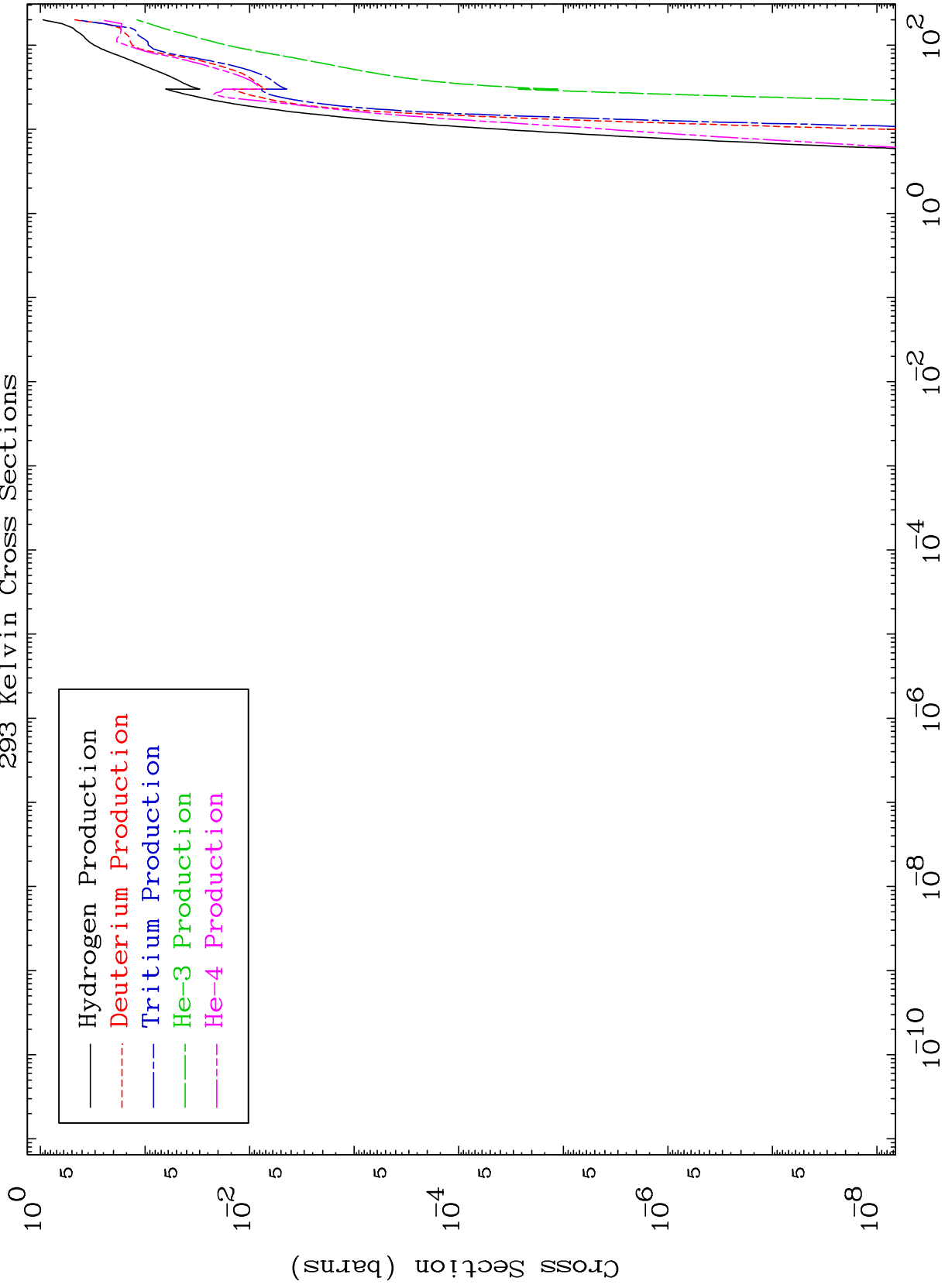
Incident Energy (MeV)

93-Np-239

MAT 9352

Particle Production
293 Kelvin Cross Sections

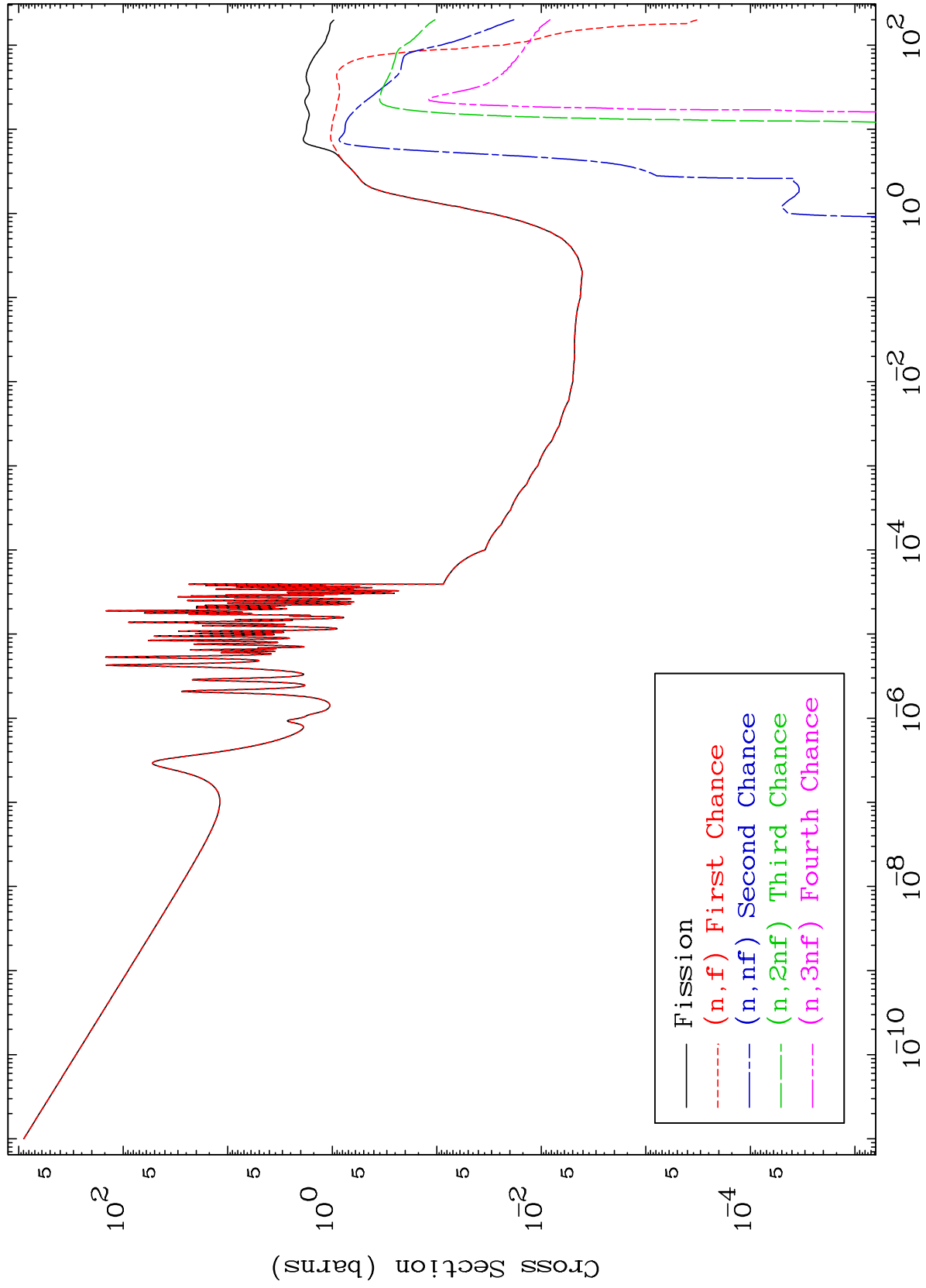
93-Np-239



MAT 9352

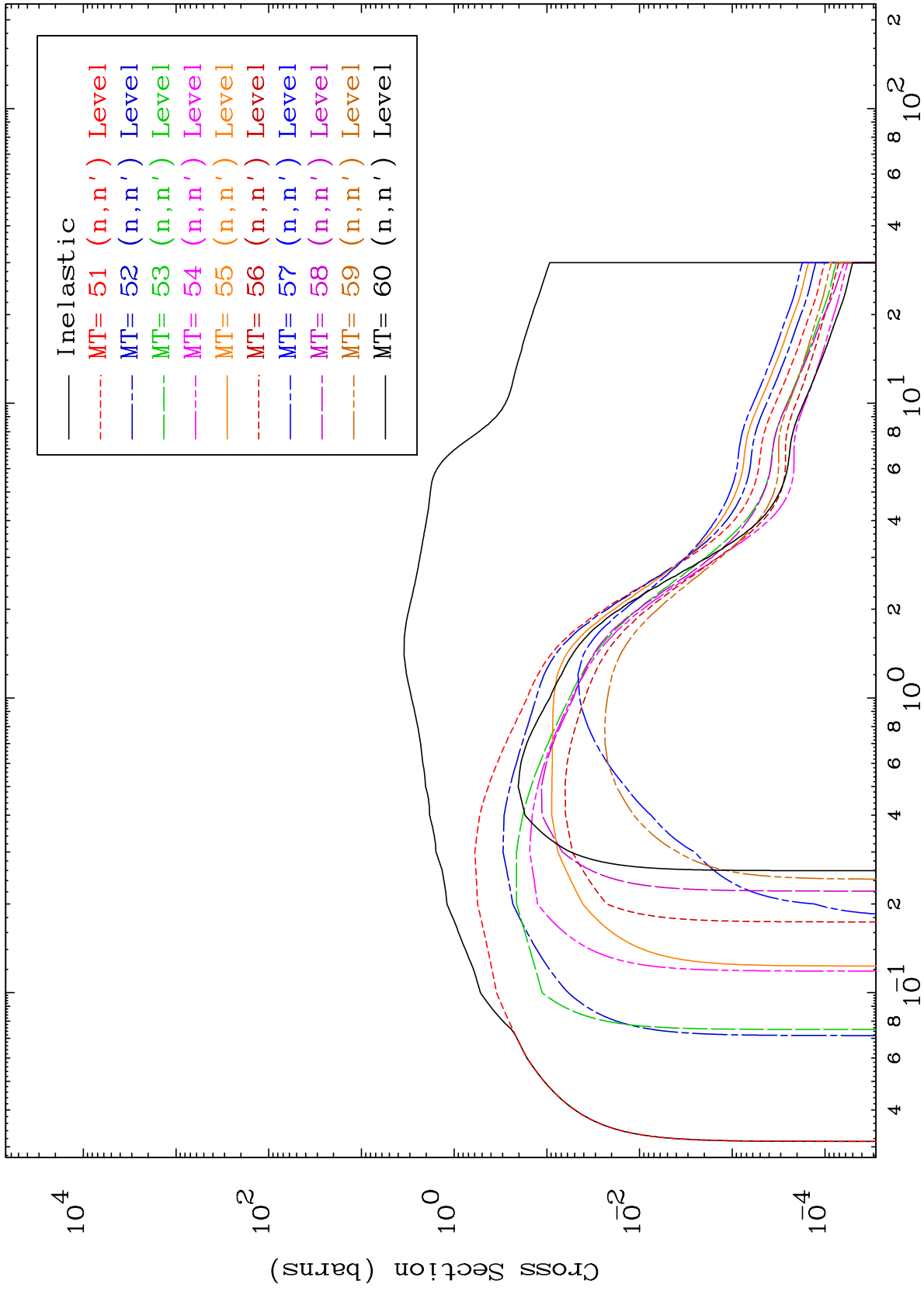
Fission
293 Kelvin Cross Sections

93-Np-239



93-Np-239

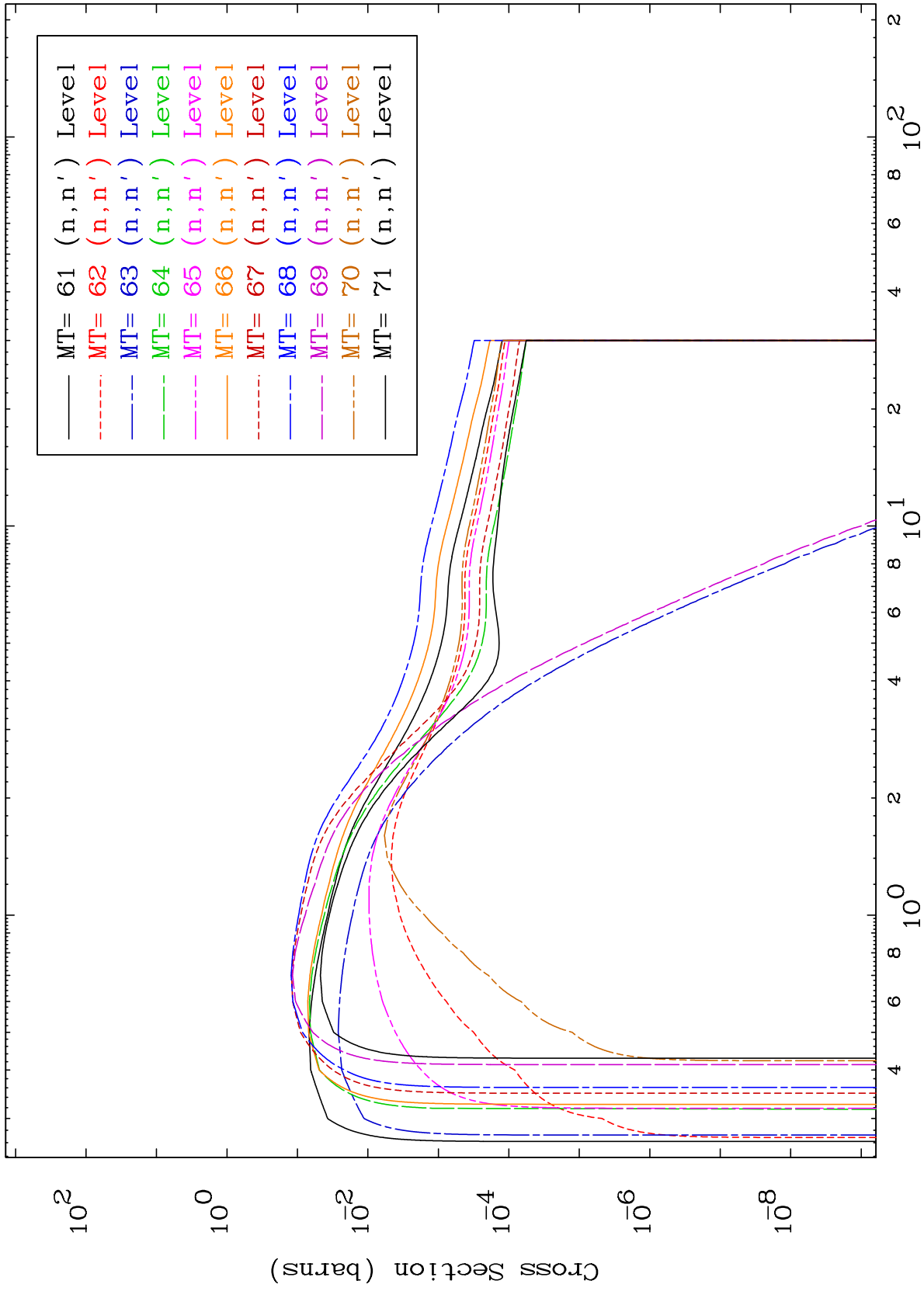
Incident Energy (MeV)



MAT 9352

(n,n') Level
293 Kelvin Cross Sections

93-Np-239



9

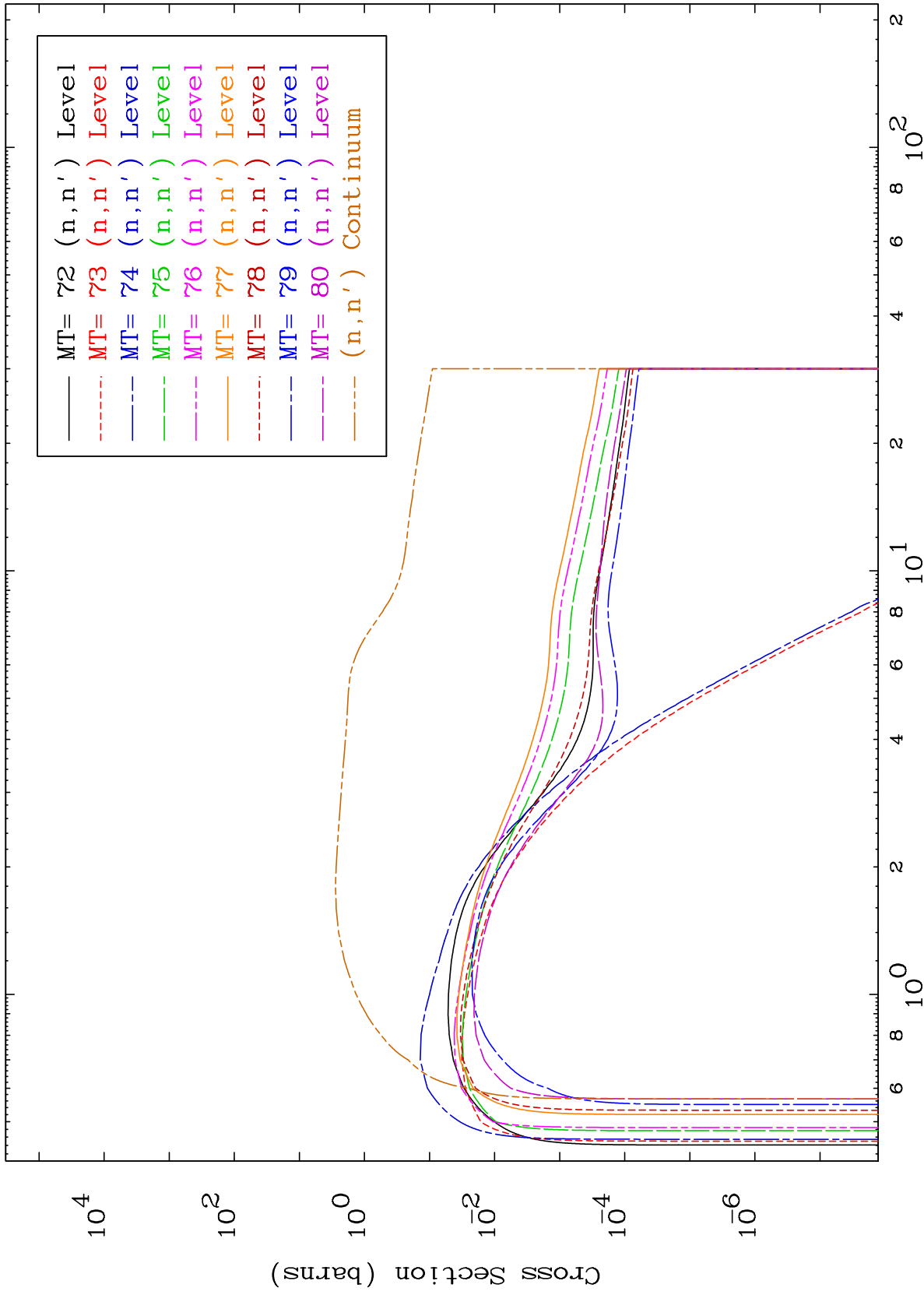
Incident Energy (MeV)

93-Np-239

MAT 9352

(n,n') Level
293 Kelvin Cross Sections

93-Np-239



10

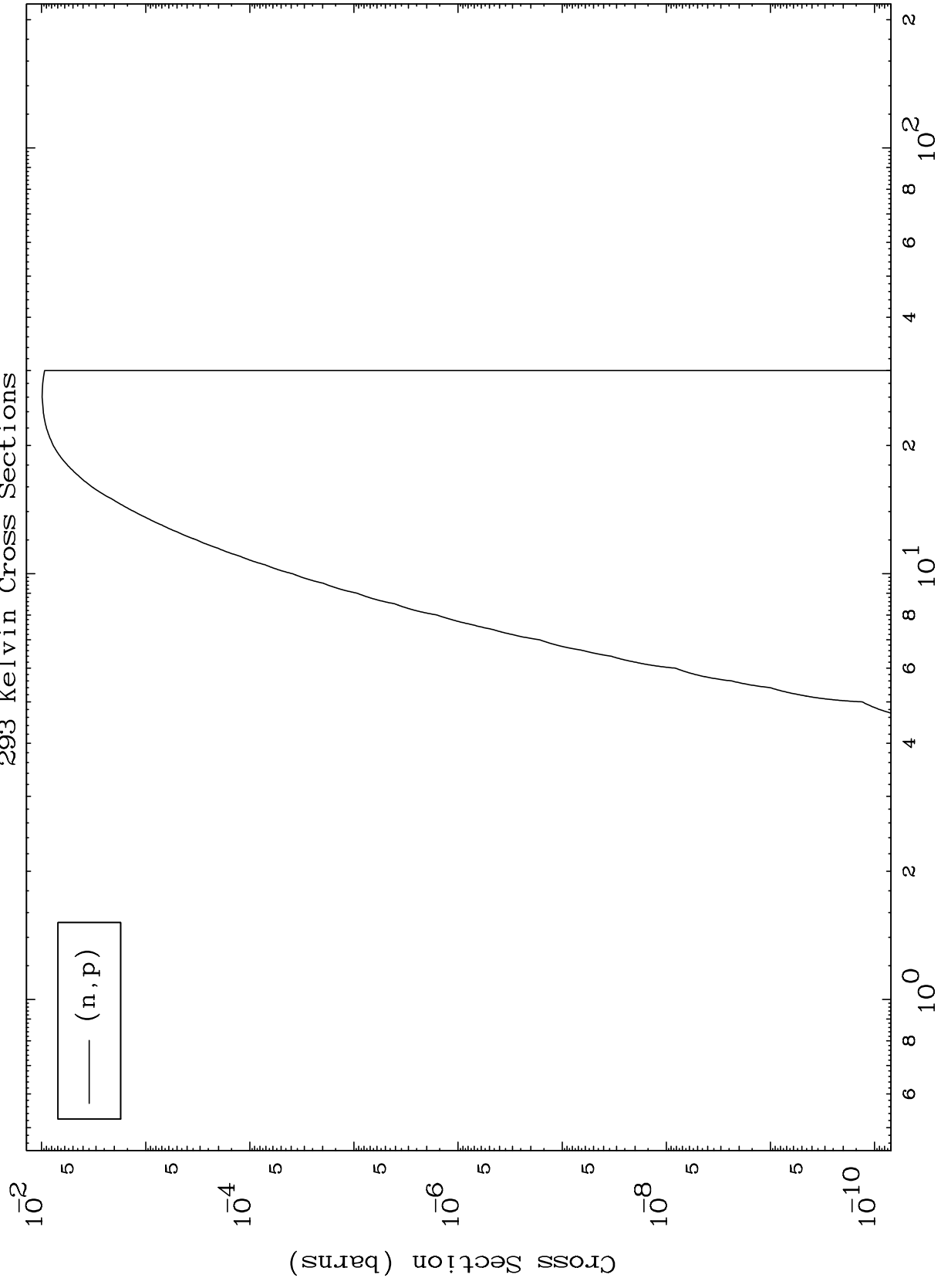
Incident Energy (MeV)

93-Np-239

MAT 9352

(n,p) Levels
293 Kelvin Cross Sections

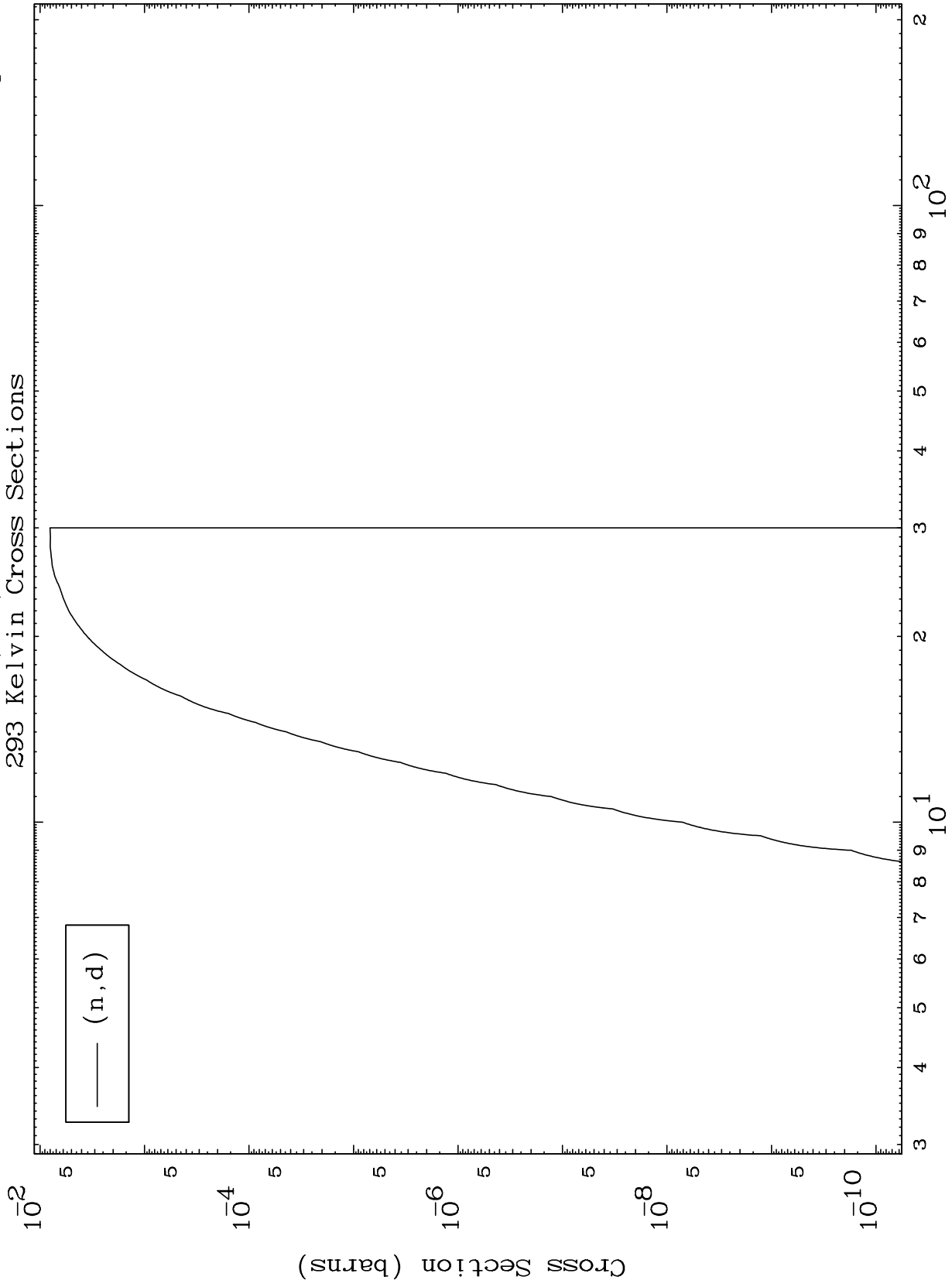
93-Np-239



MAT 9352

(n,d) Levels
293 Kelvin Cross Sections

93-Np-239



12

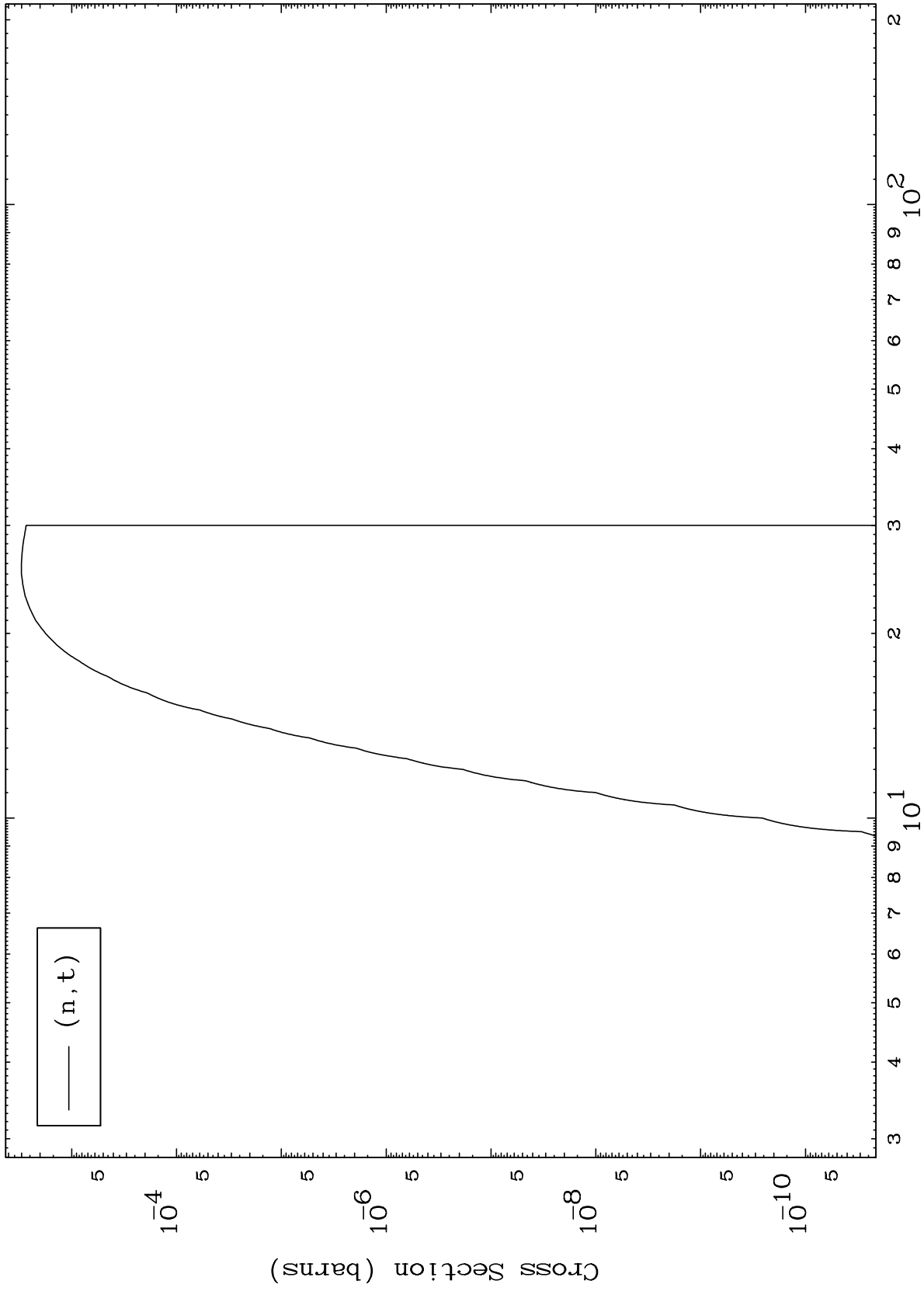
Incident Energy (MeV)

93-Np-239

MAT 9352

(n,t) Levels
293 Kelvin Cross Sections

93-Np-239



13

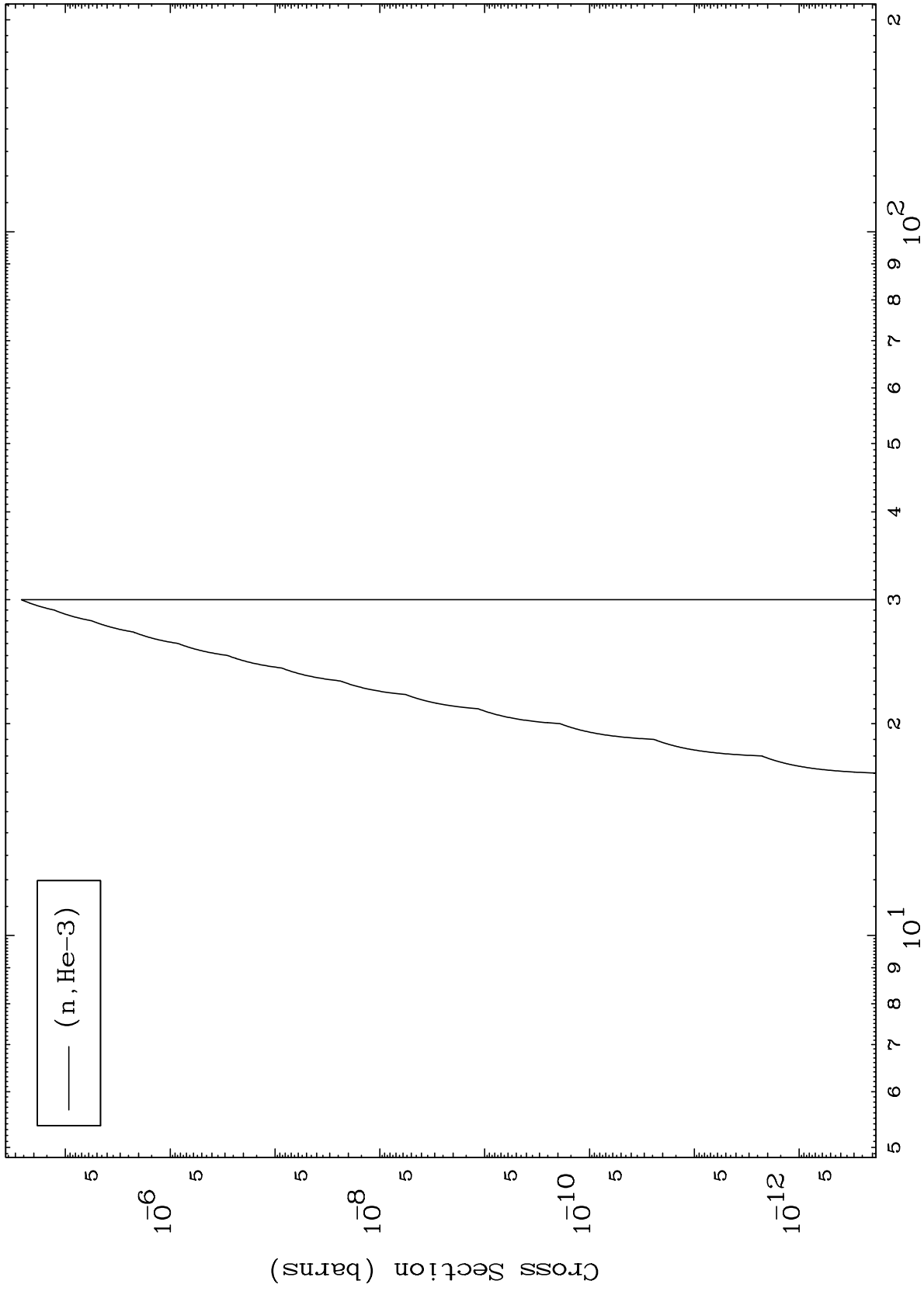
Incident Energy (MeV)

93-Np-239

MAT 9352

(n,He3) Levels
293 Kelvin Cross Sections

93-Np-239



14

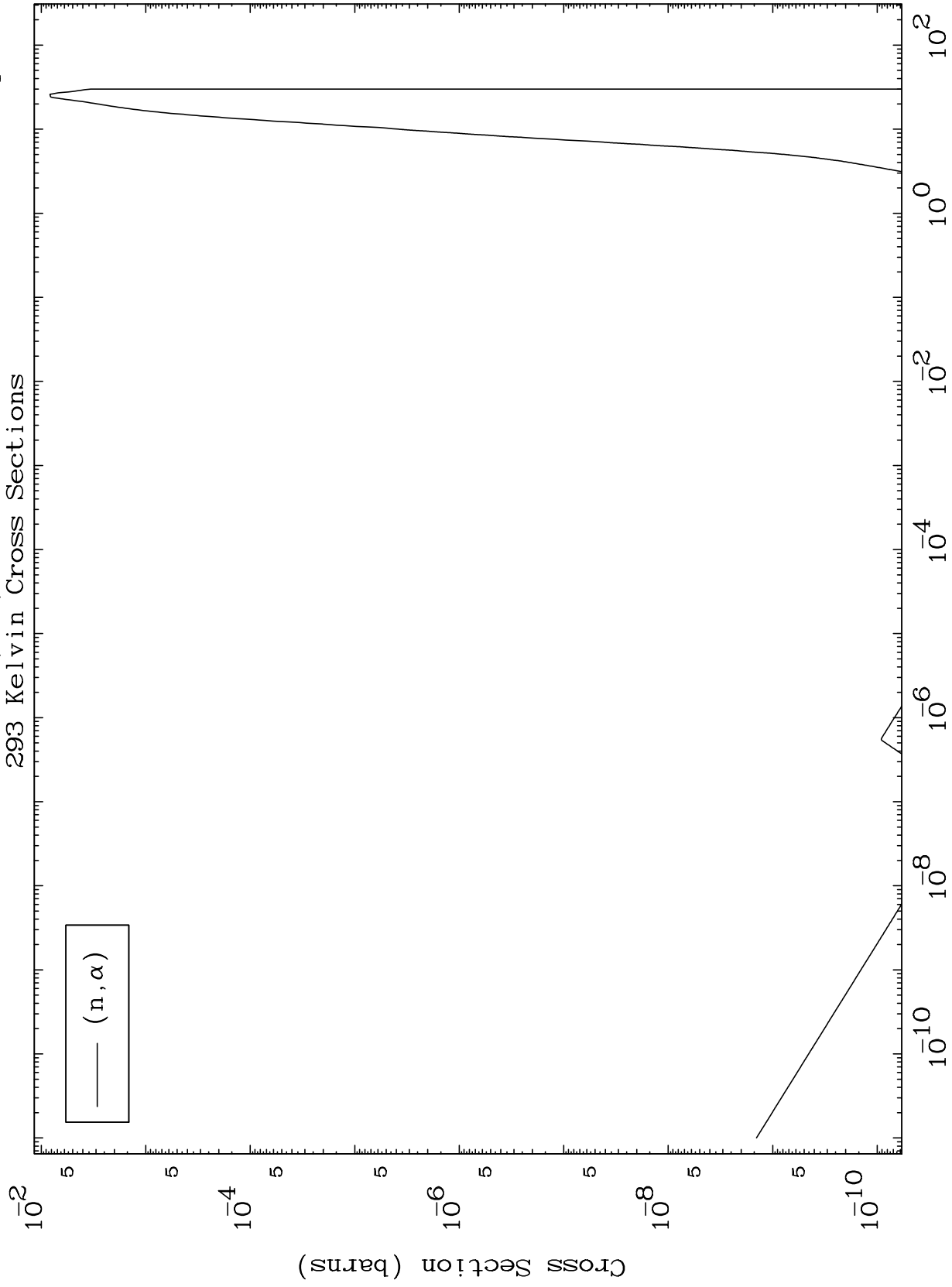
Incident Energy (MeV)

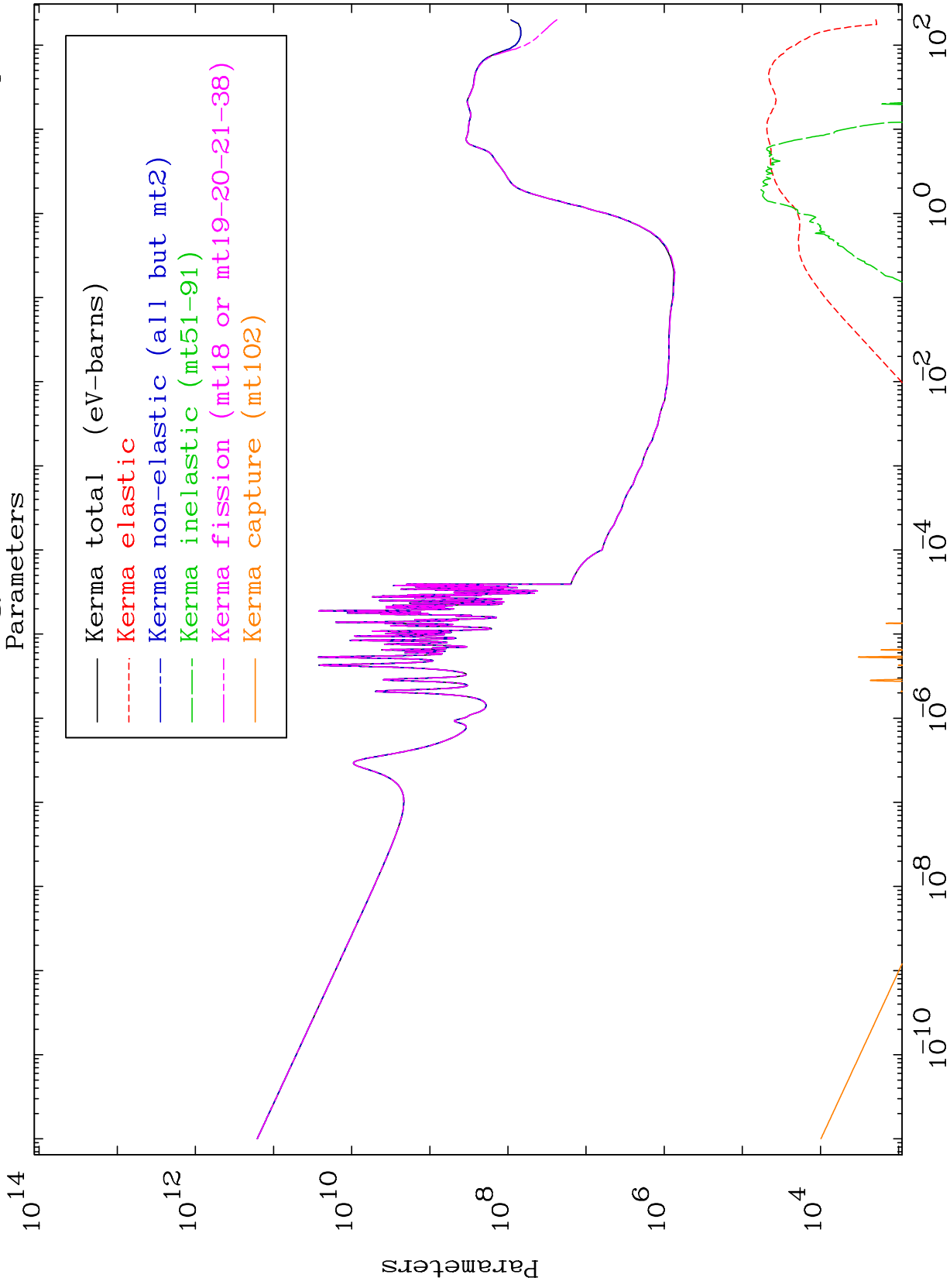
93-Np-239

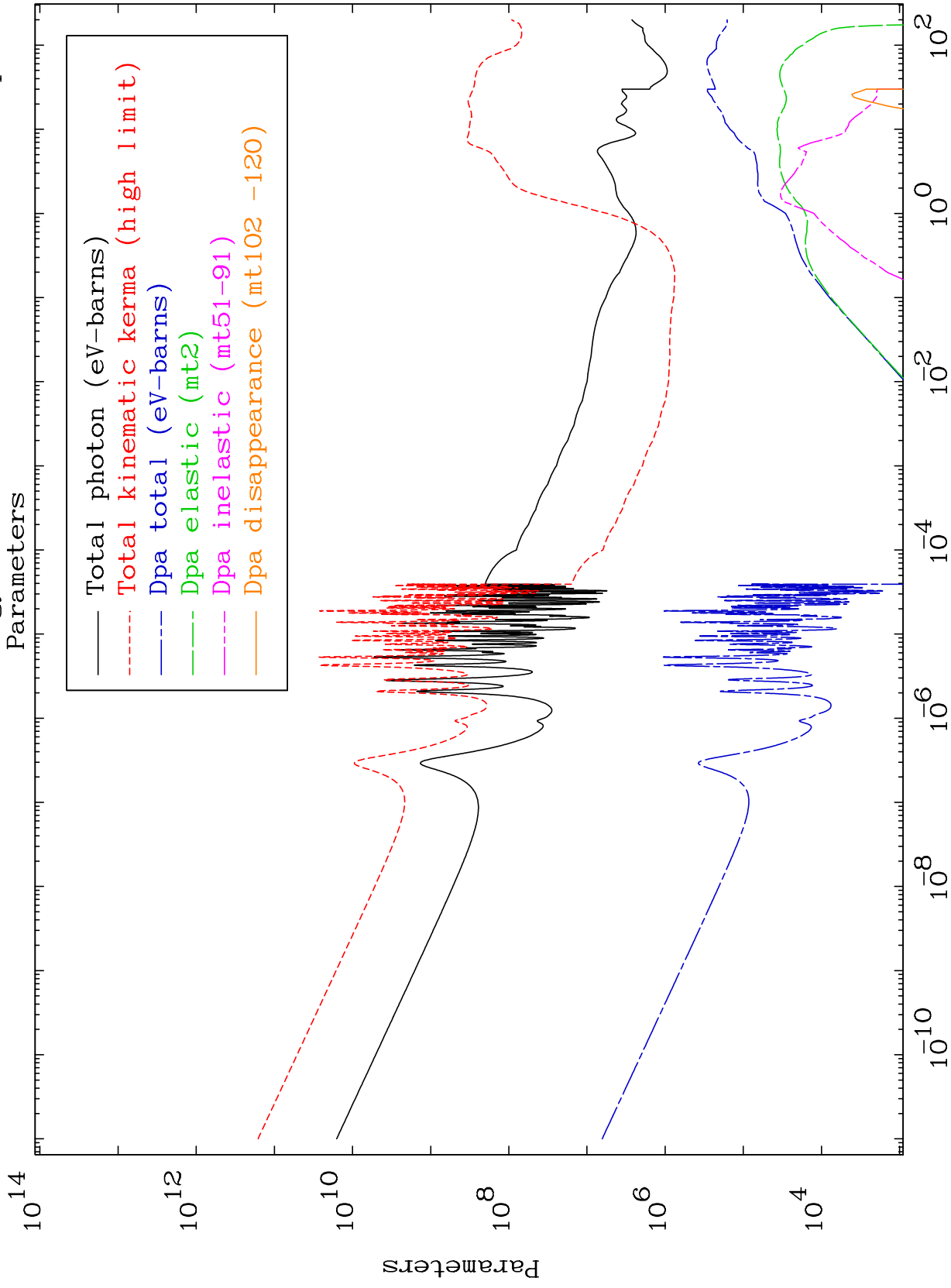
MAT 9352

(n,α) Levels
293 Kelvin Cross Sections

93-Np-239



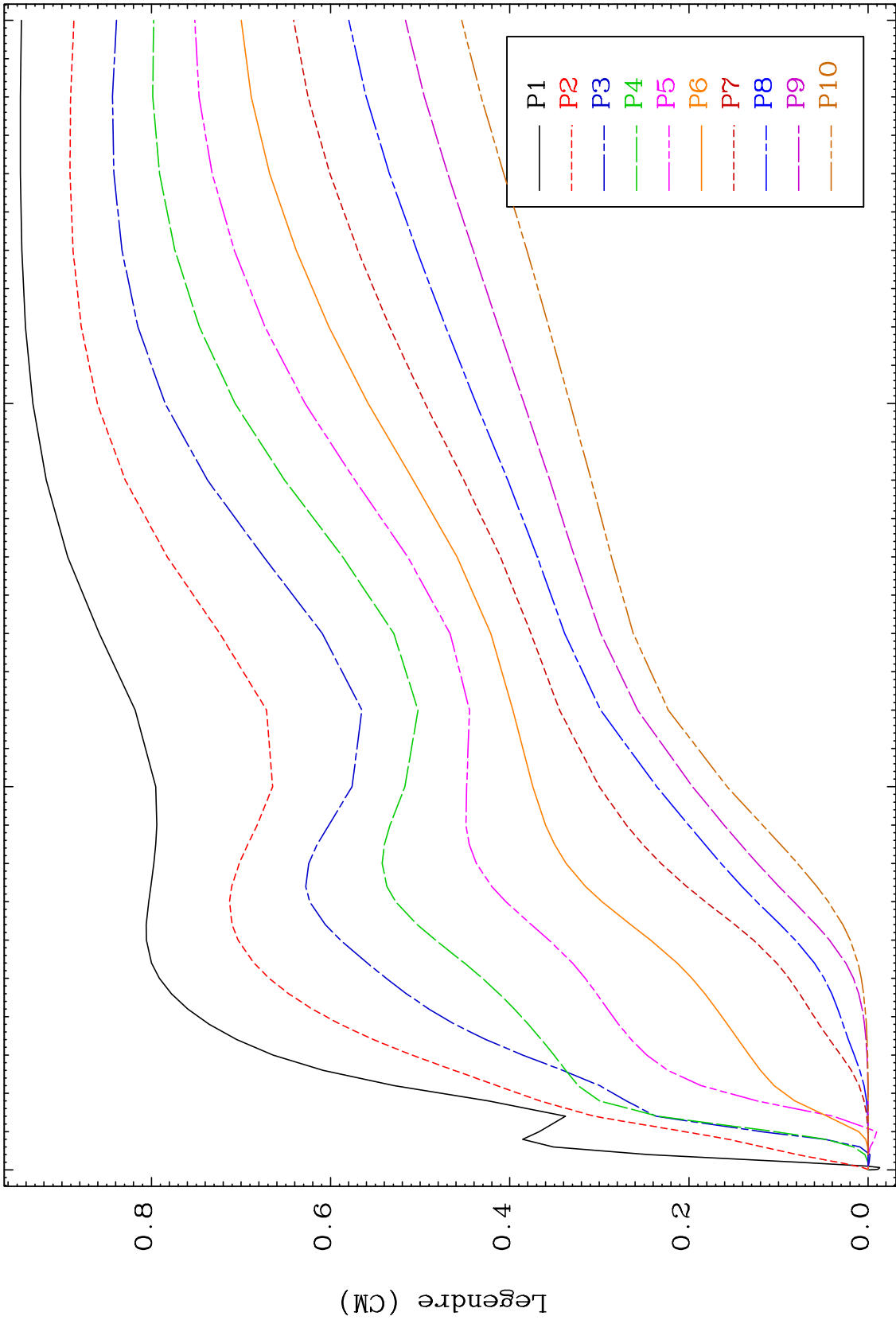




MAT 9352

93-Np-239

Elastic Legendre Coefficients



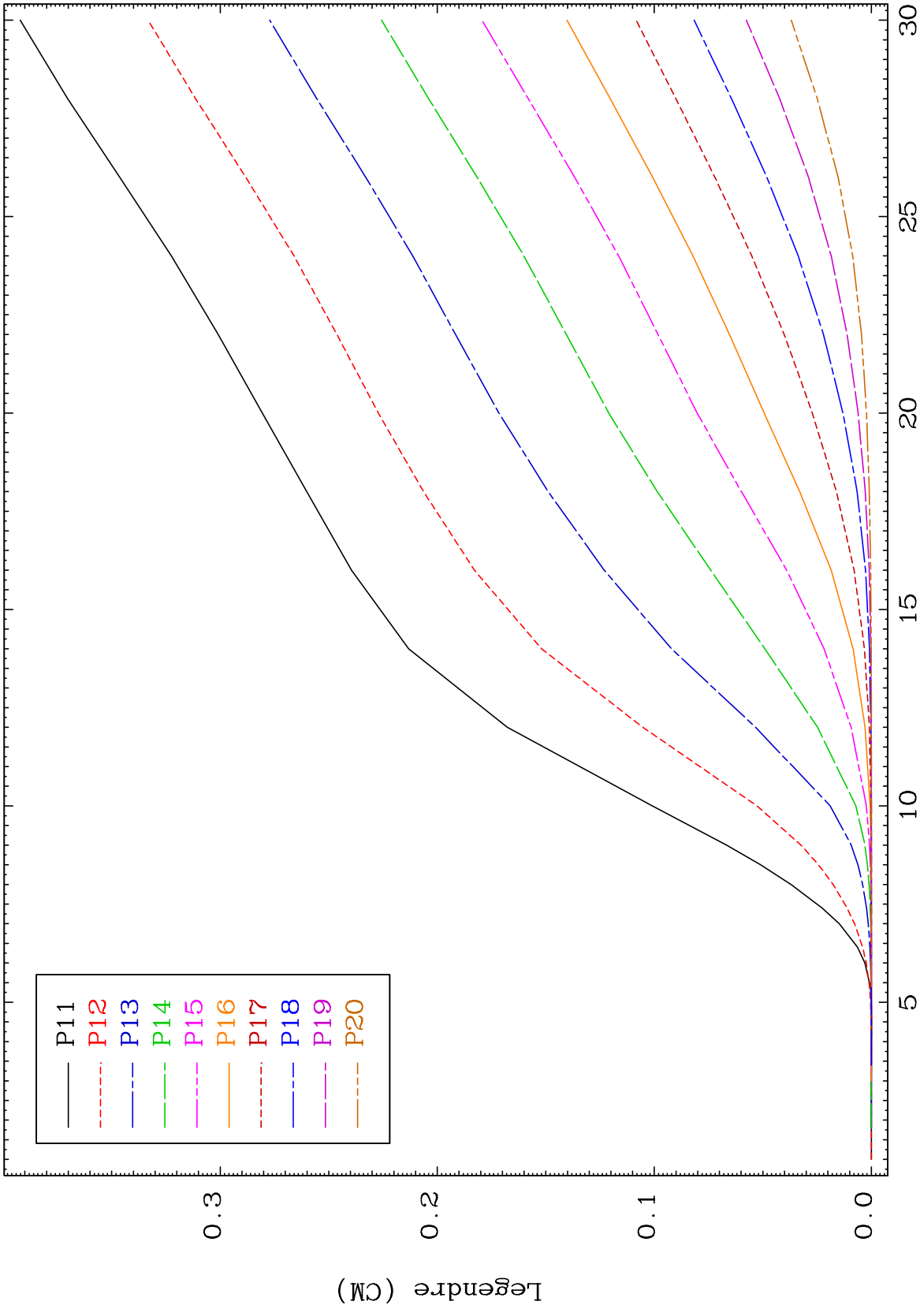
93-Np-239

Incident Energy (MeV)

18

30

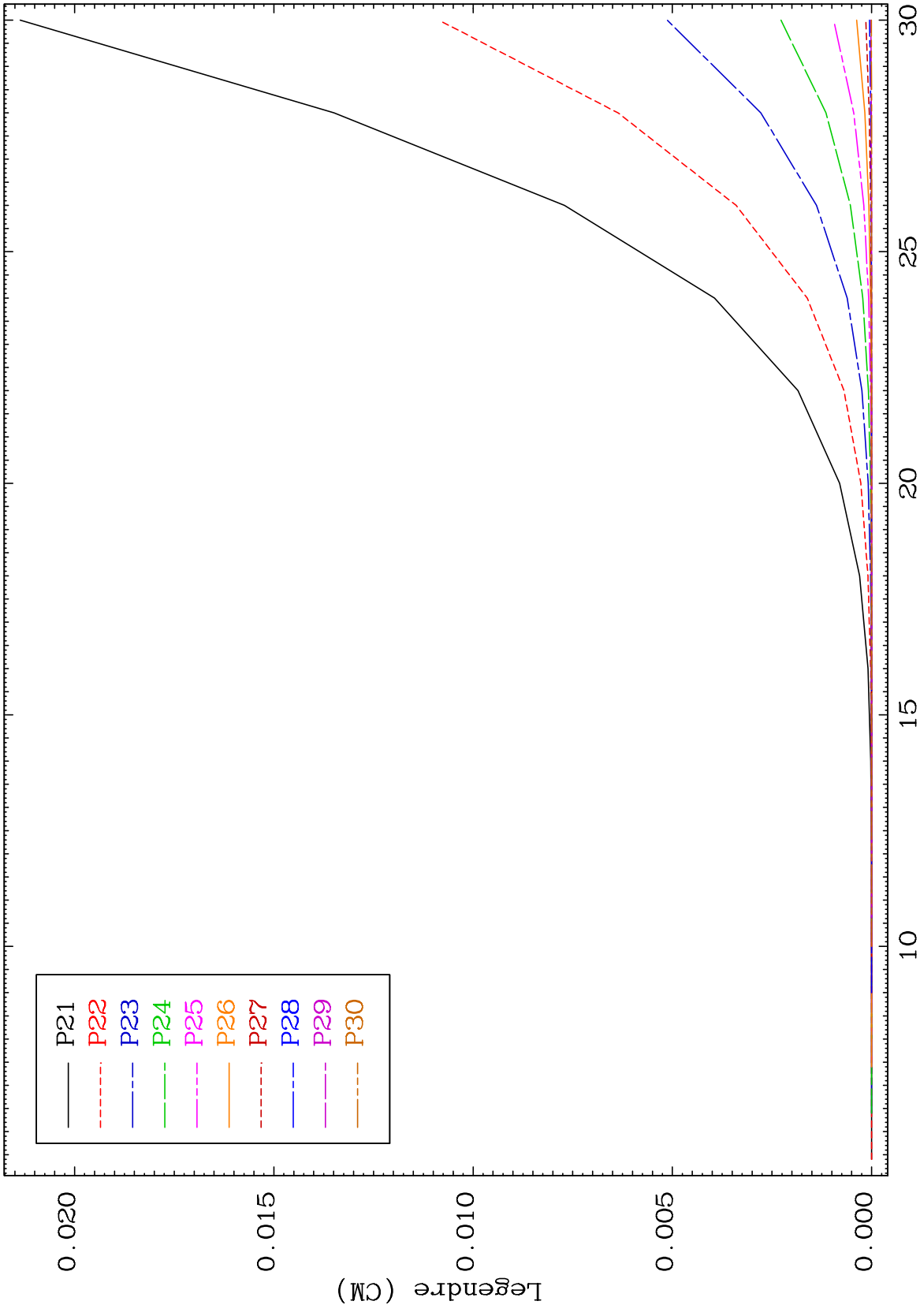
Elastic Legendre Coefficients



MAT 9352

Elastic Legendre Coefficients

93-Np-239



20

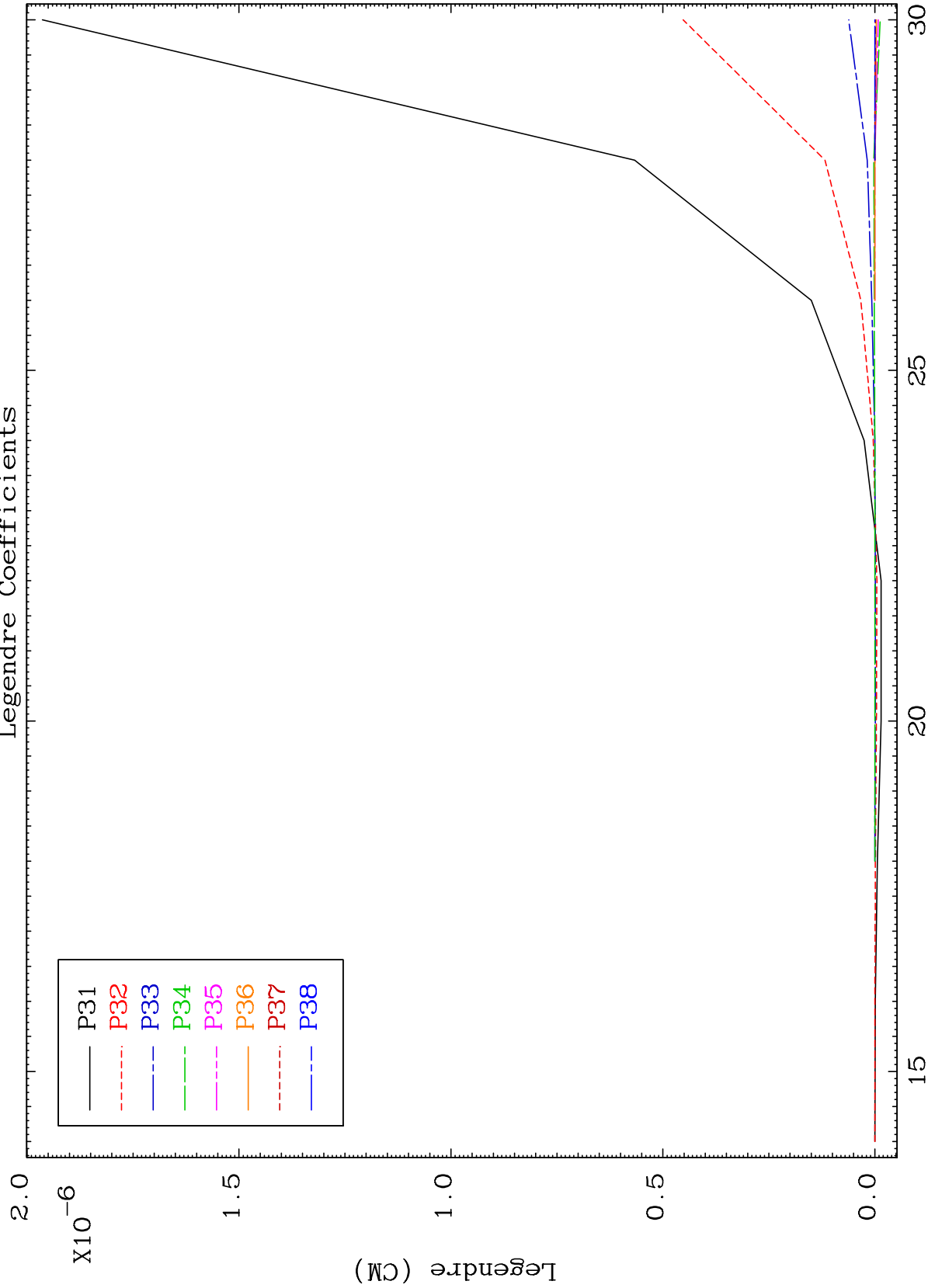
Incident Energy (MeV)

93-Np-239

MAT 9352

Elastic Legendre Coefficients

93-Np-239



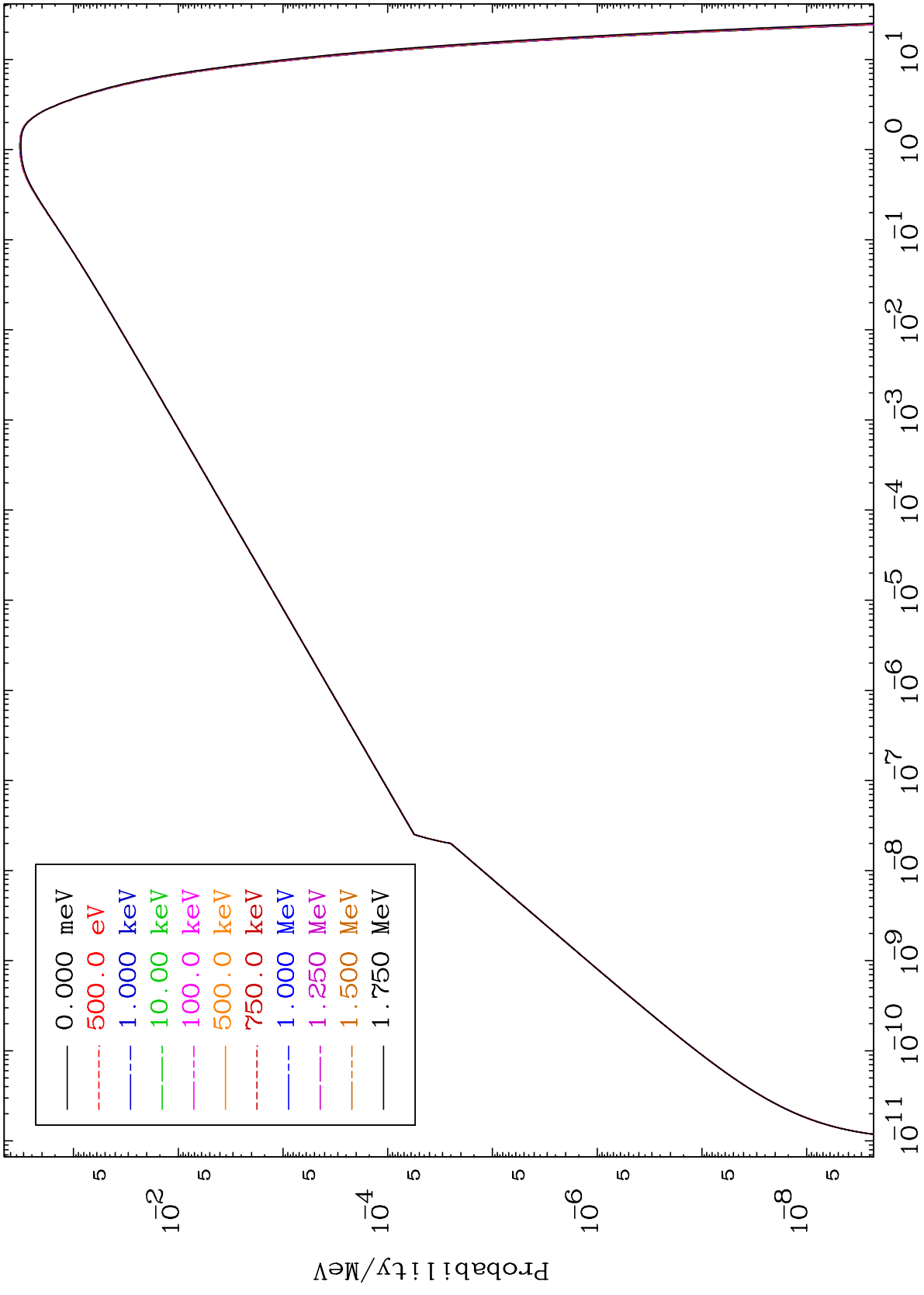
21

93-Np-239

MAT 9352

Fission Energy Distribution

93-Np-239



- 0.000 meV
- 500.0 eV
- 1.000 keV
- 10.00 keV
- 100.0 keV
- 500.0 keV
- 750.0 keV
- 1.000 MeV
- 1.250 MeV
- 1.500 MeV
- 1.750 MeV

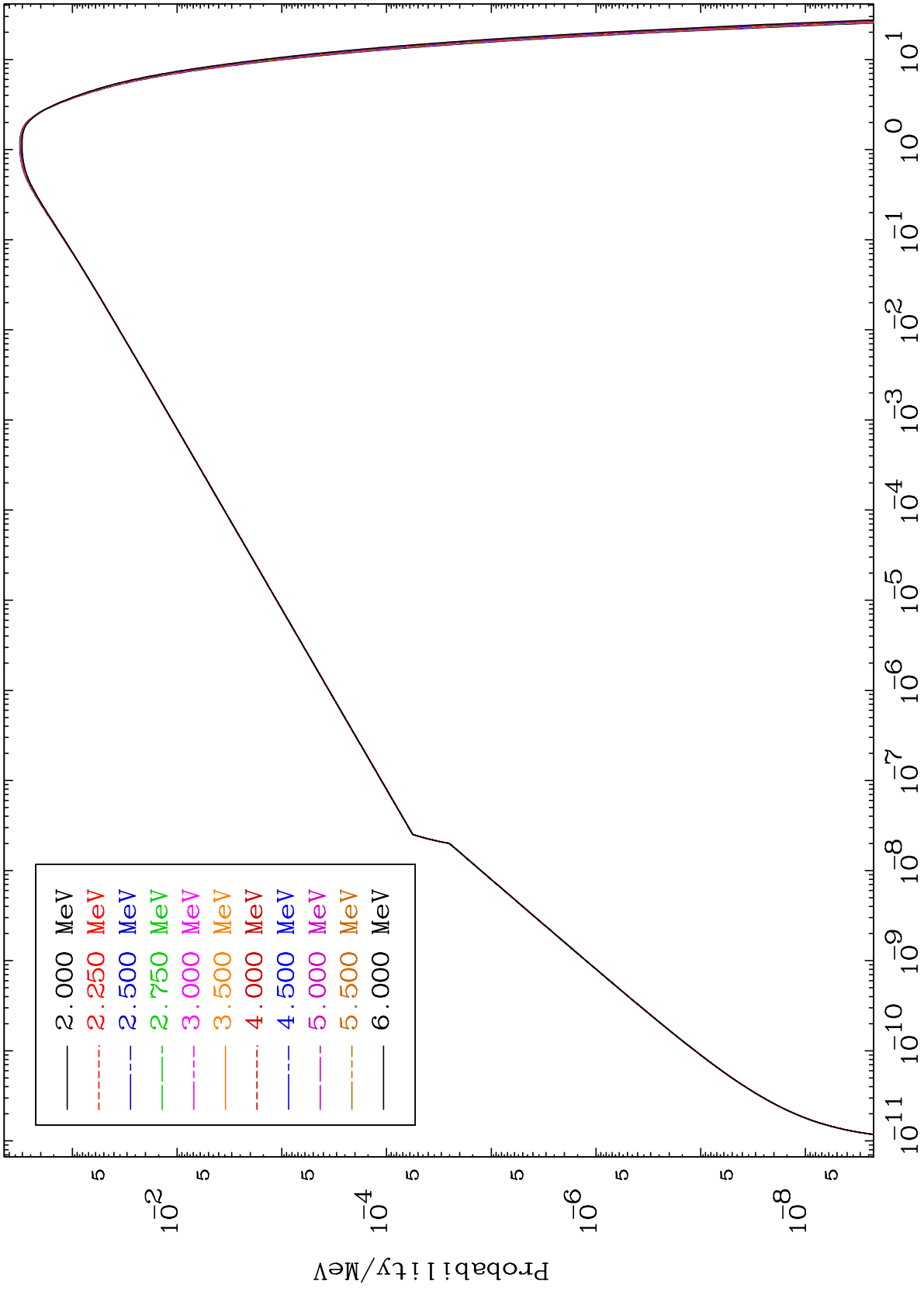
93-Np-239

Secondary Energy (MeV)

MAT 9352

Fission Energy Distribution

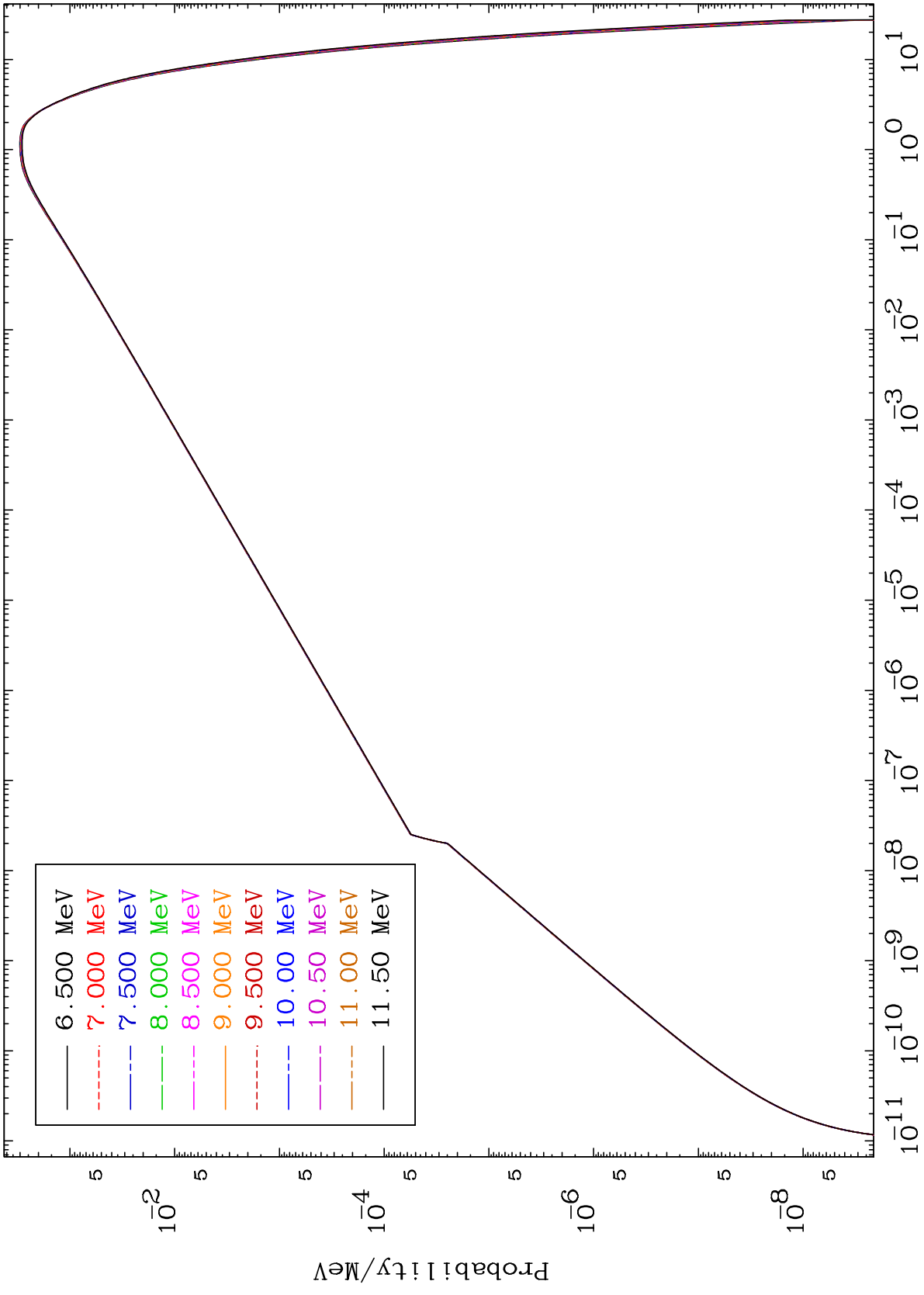
93-Np-239



MAT 9352

Fission Energy Distribution

93-Np-239

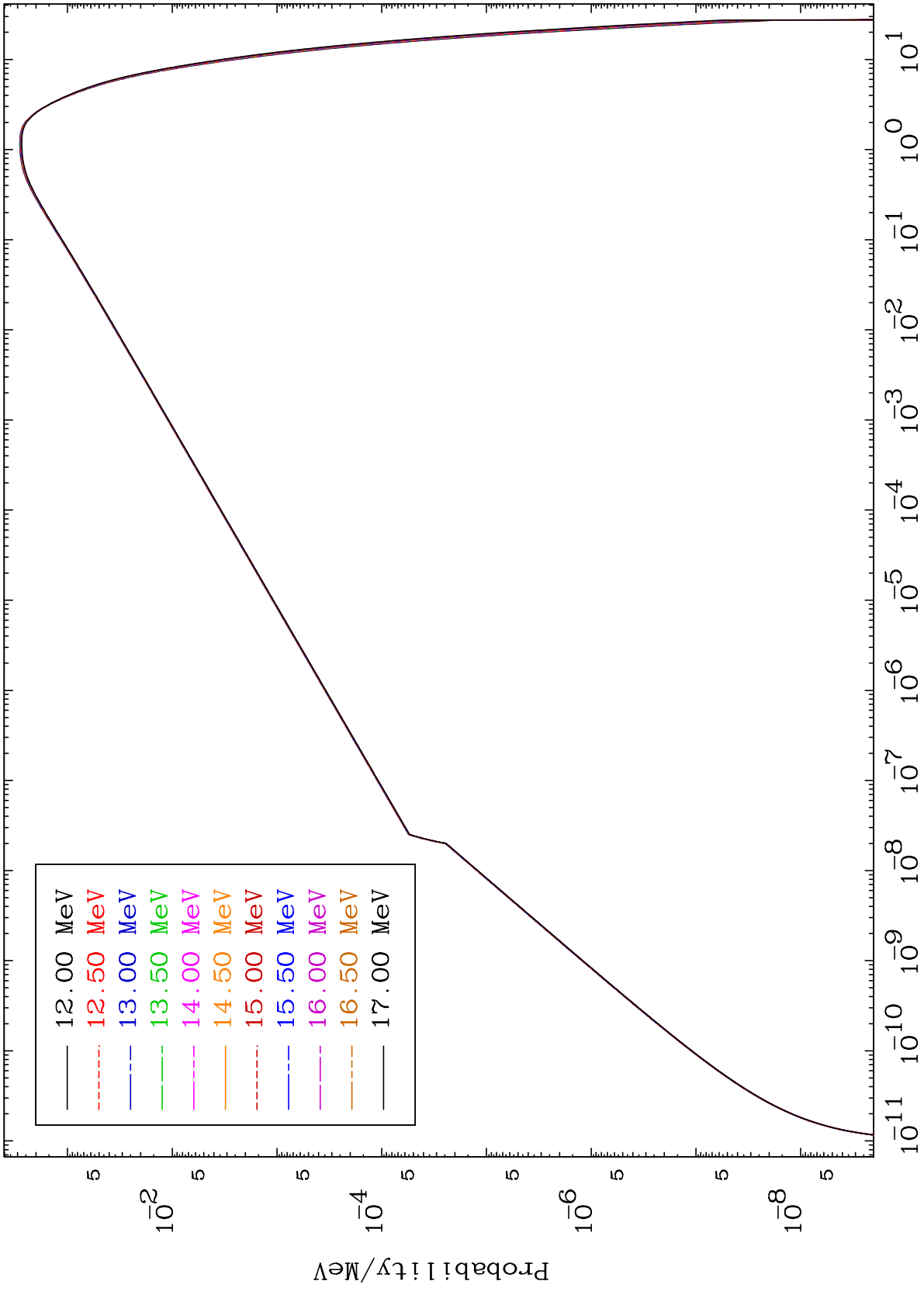


93-Np-239

MAT 9352

Fission Energy Distribution

93-Np-239



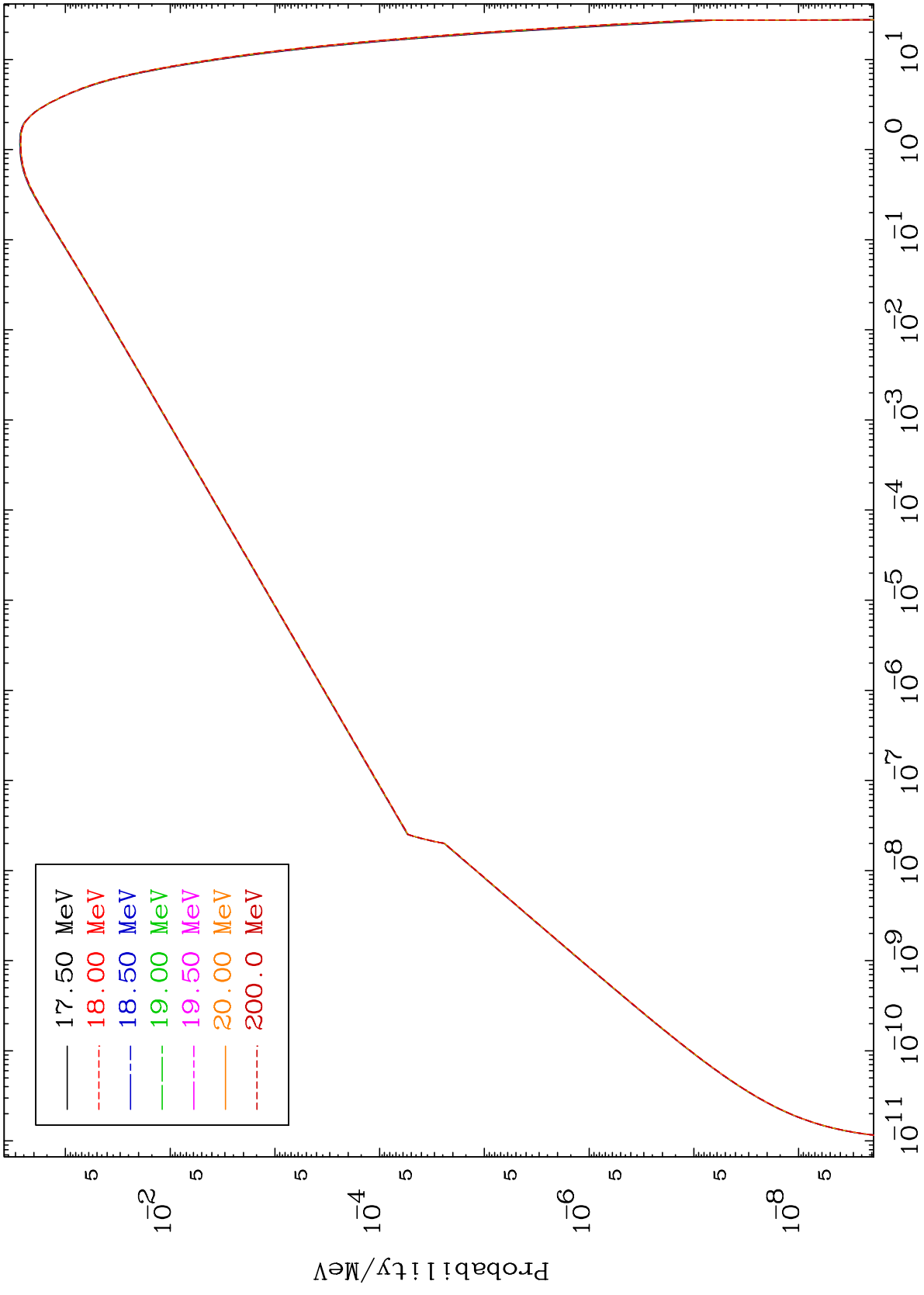
93-Np-239

Secondary Energy (MeV)

MAT 9352

Fission Energy Distribution

93-Np-239



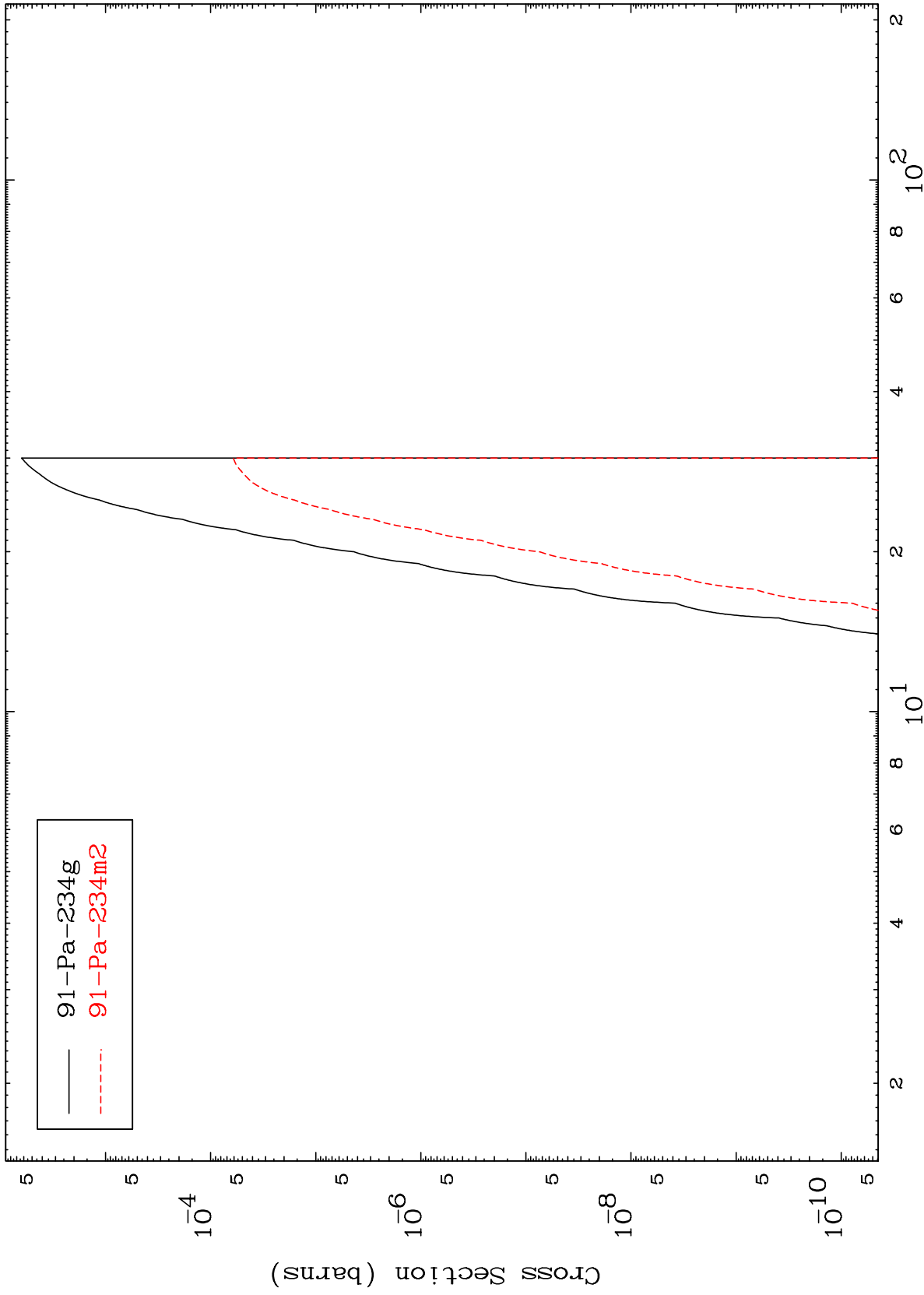
93-Np-239

MAT 9352

(n,2n) α

93-Np-239

Radionuclide Production Cross Section



27

Incident Energy (MeV)

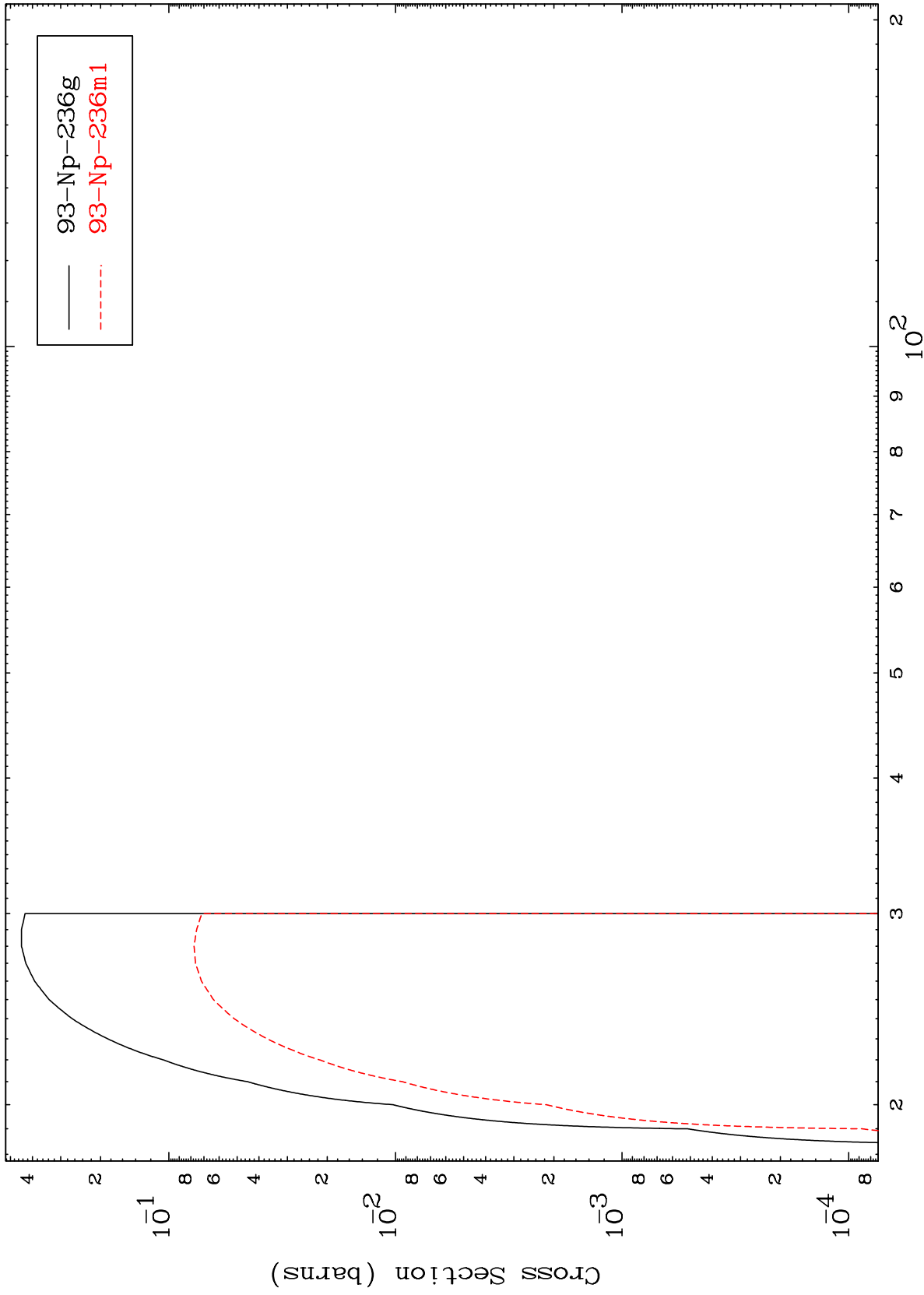
93-Np-239

MAT 9352

(n,4n)

93-Np-239

Radionuclide Production Cross Section



28

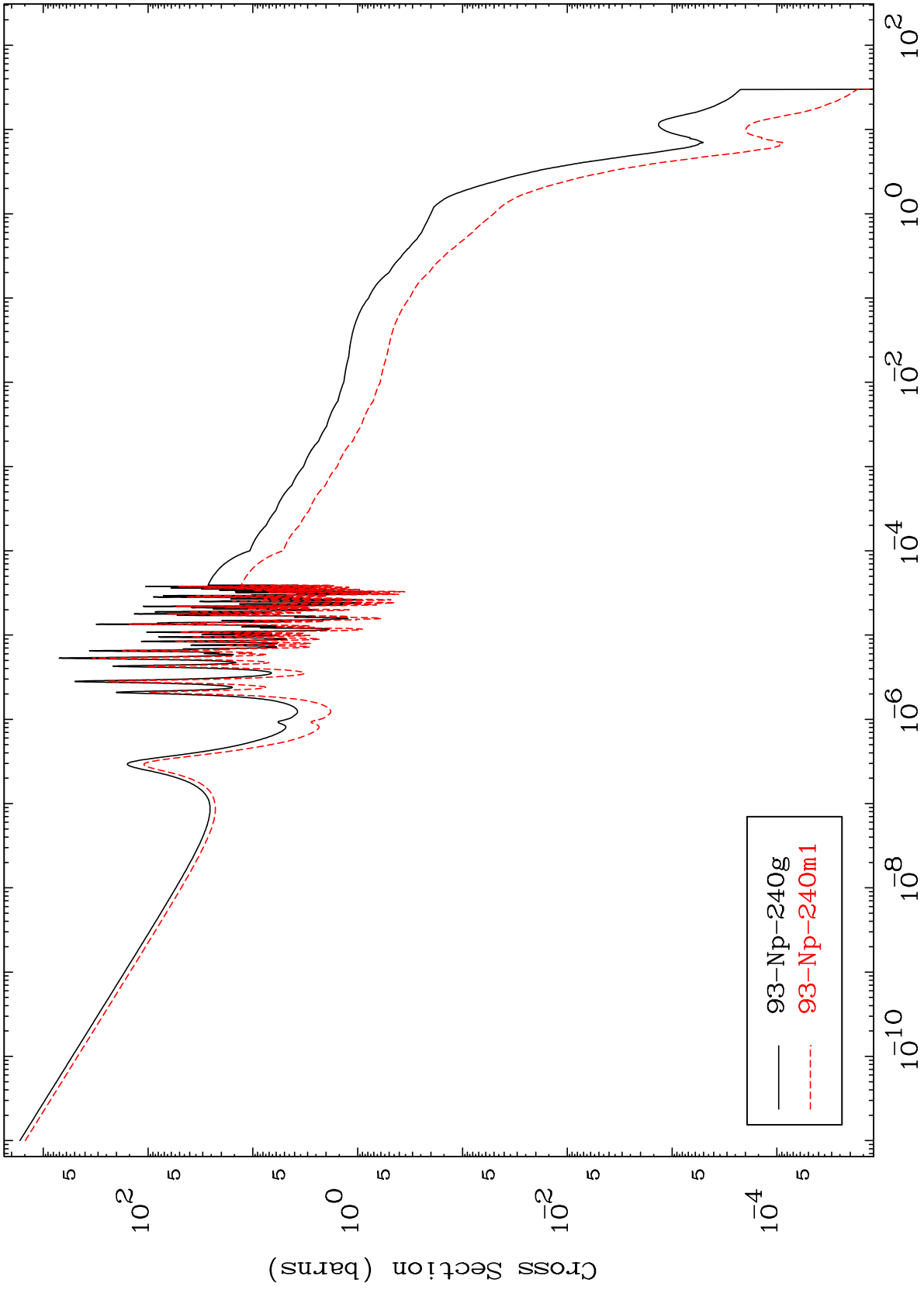
Incident Energy (MeV)

93-Np-239

MAT 9352

93-Np-239

(n,γ)
Radionuclide Production Cross Section



29

93-Np-239