

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

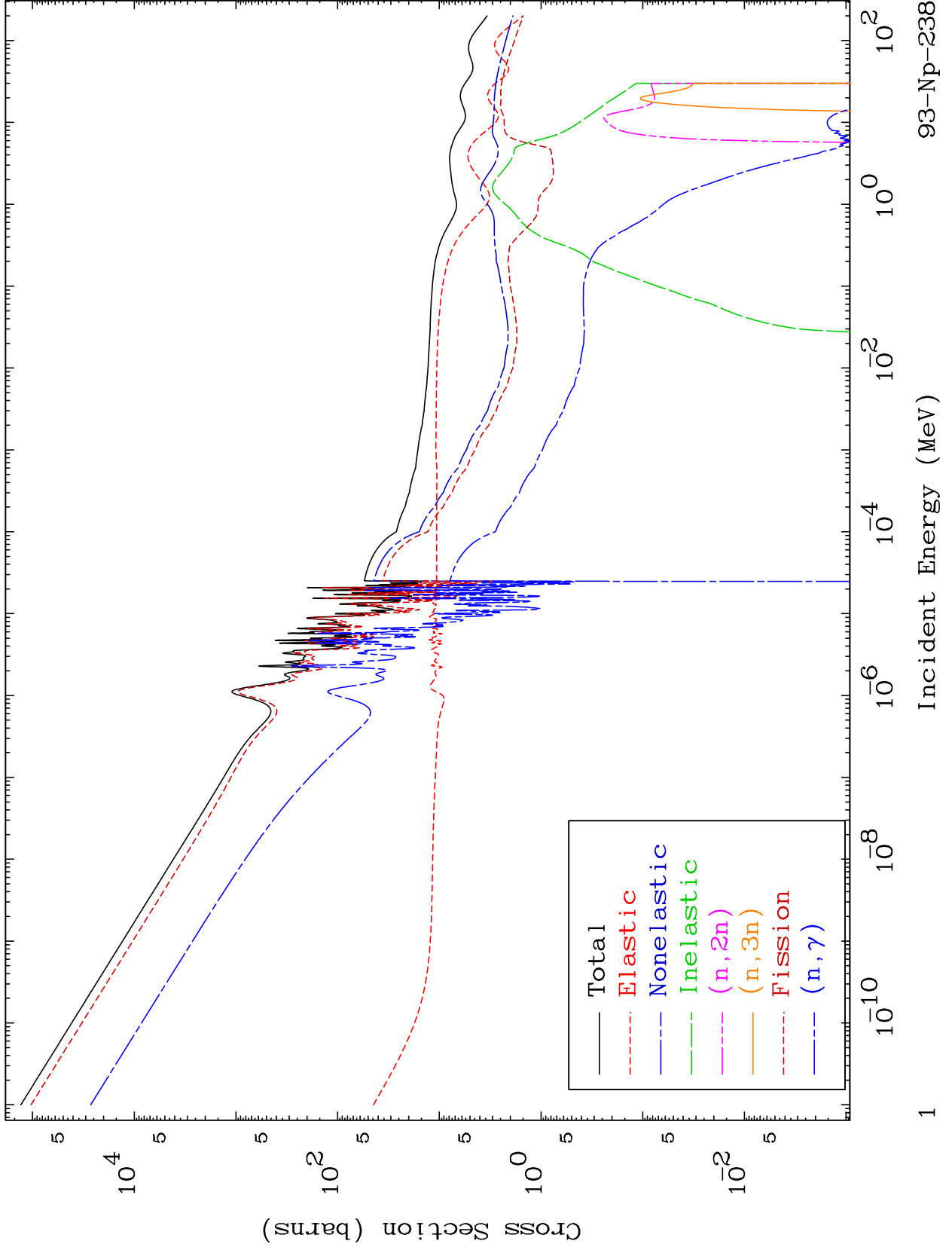
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9349

Neutron Major
293 Kelvin Cross Sections

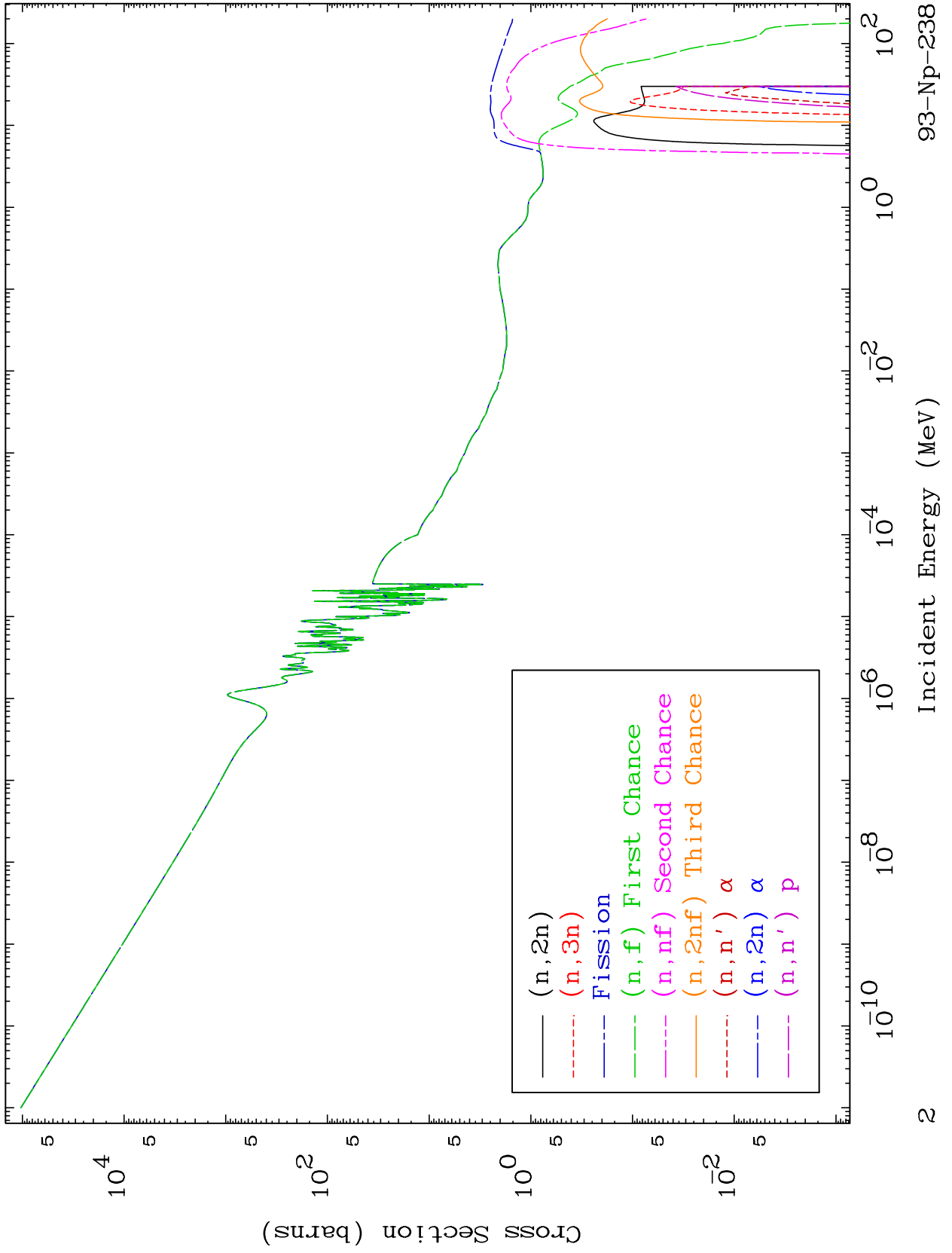
93-Np-238

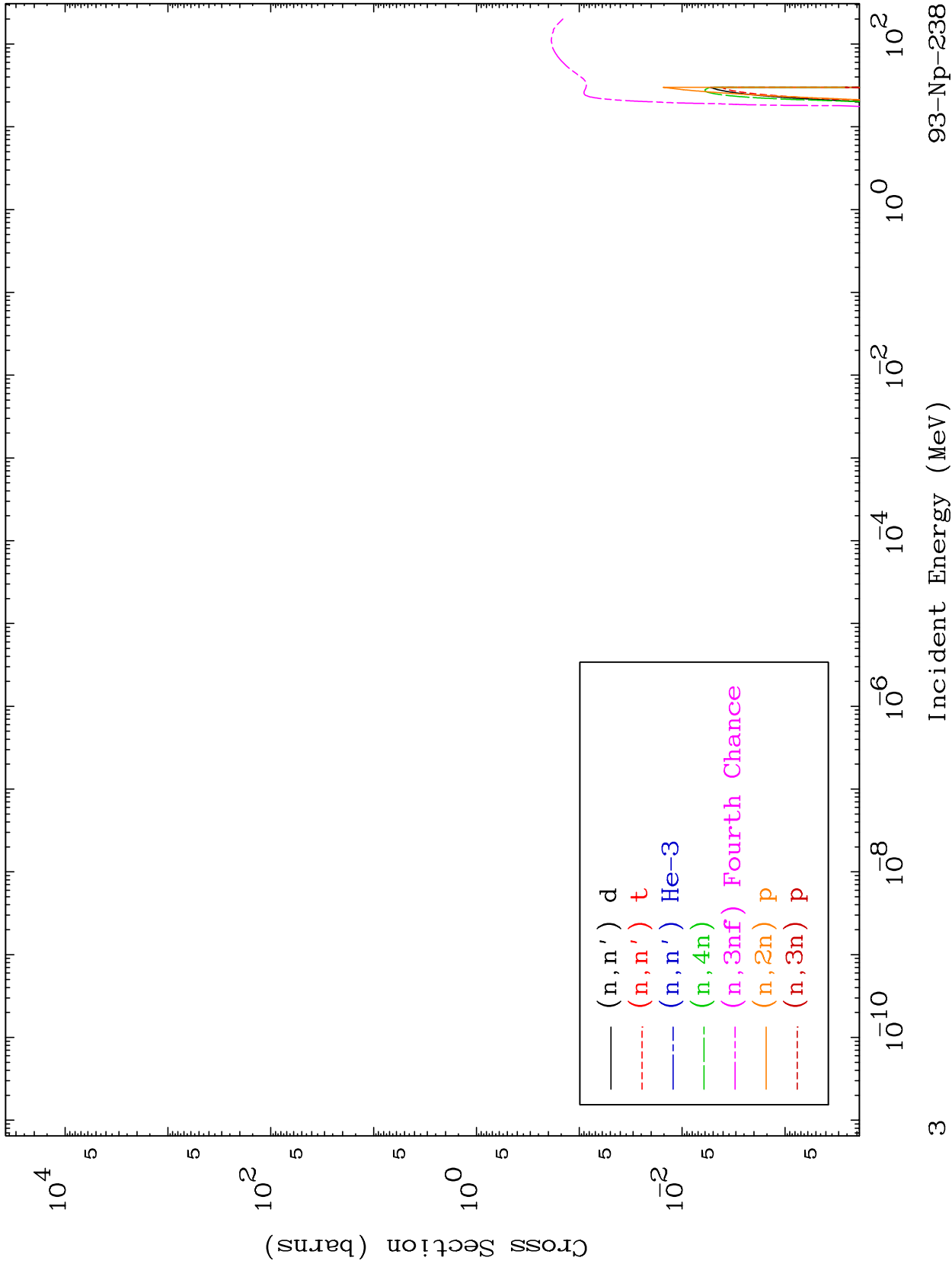


MAT 9349

Neutron Absorption
293 Kelvin Cross Sections

93-Np-238

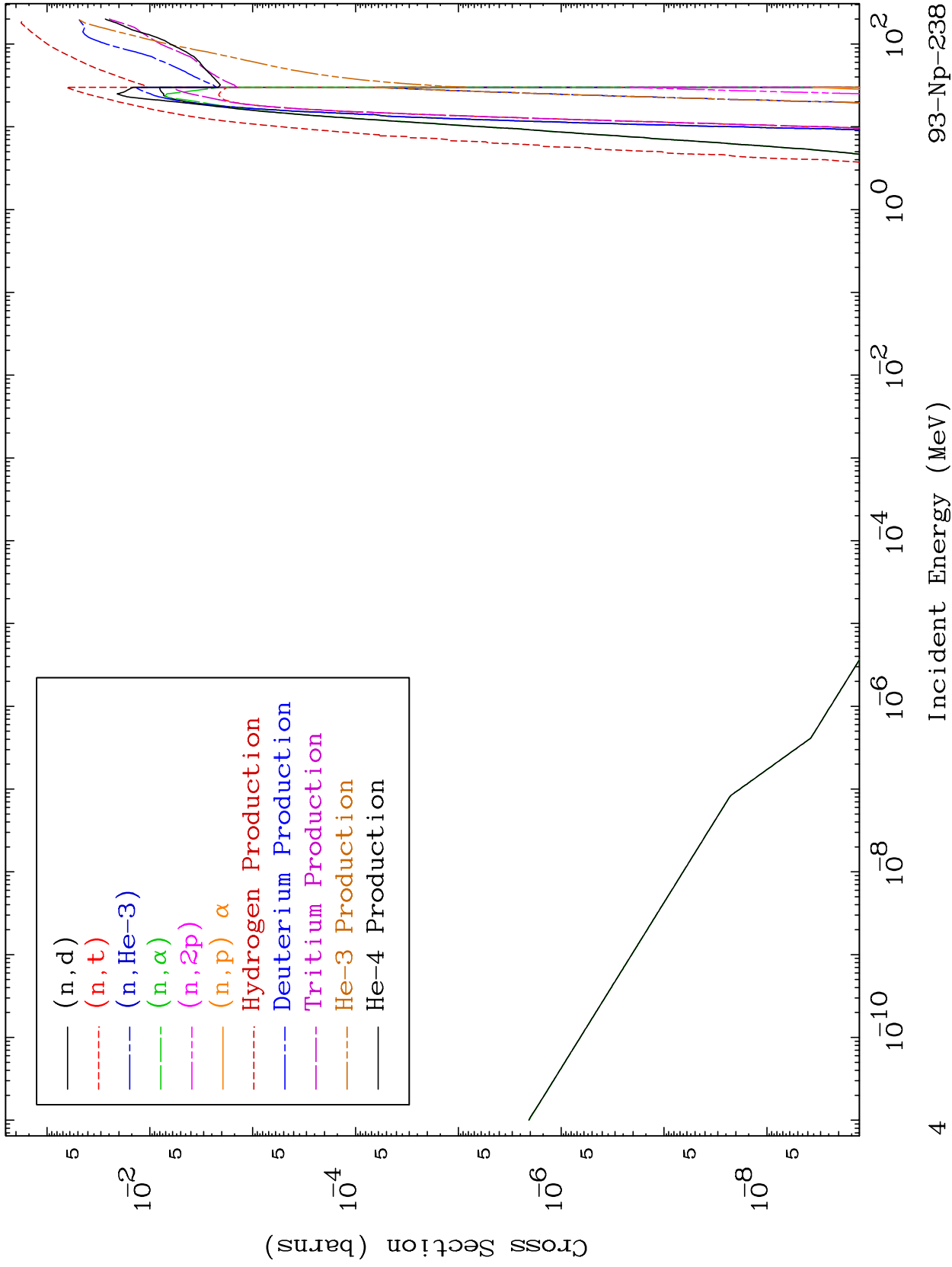




MAT 9349

Neutron Absorption
293 Kelvin Cross Sections

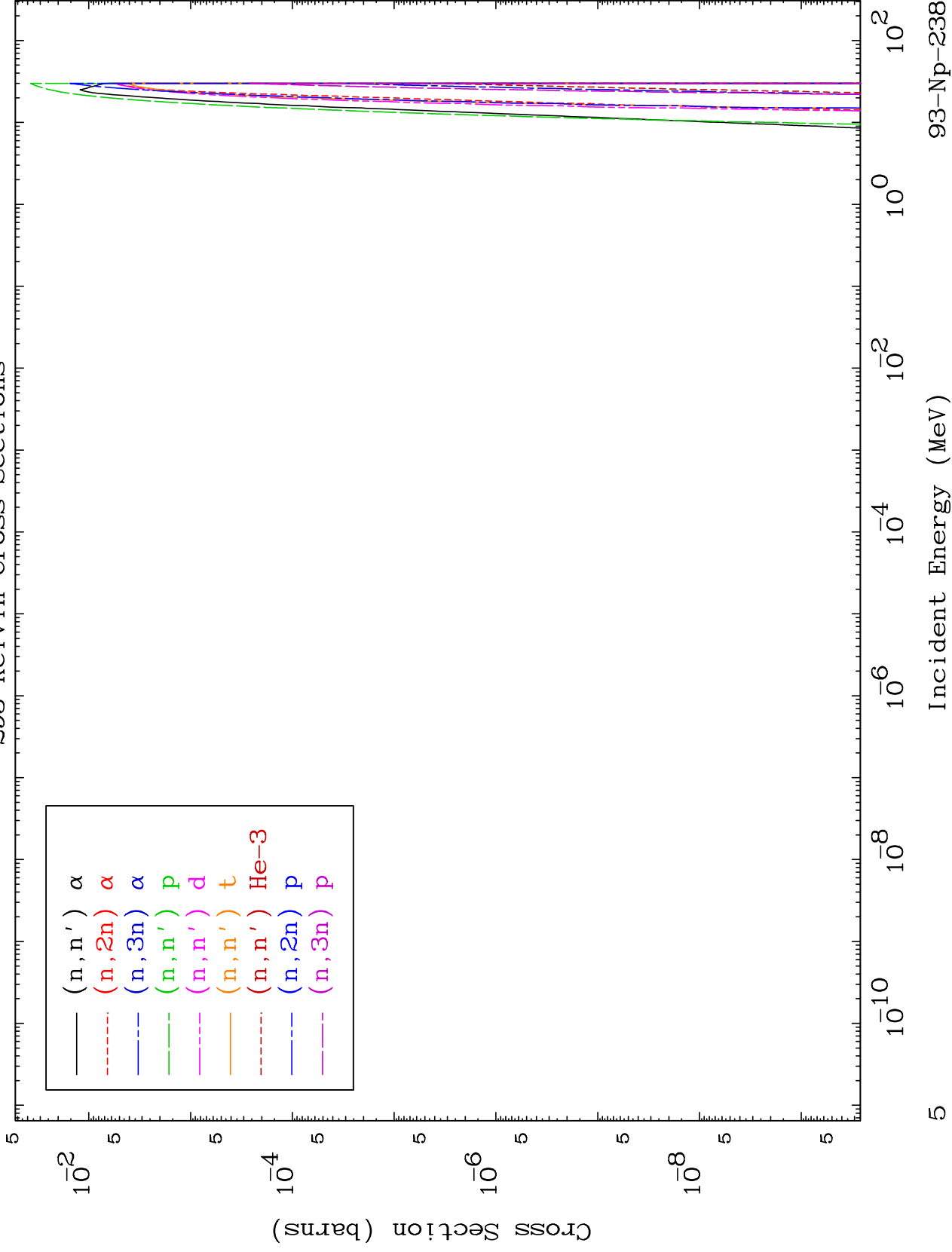
93-Np-238



MAT 9349

Charged Particle
293 Kelvin Cross Sections

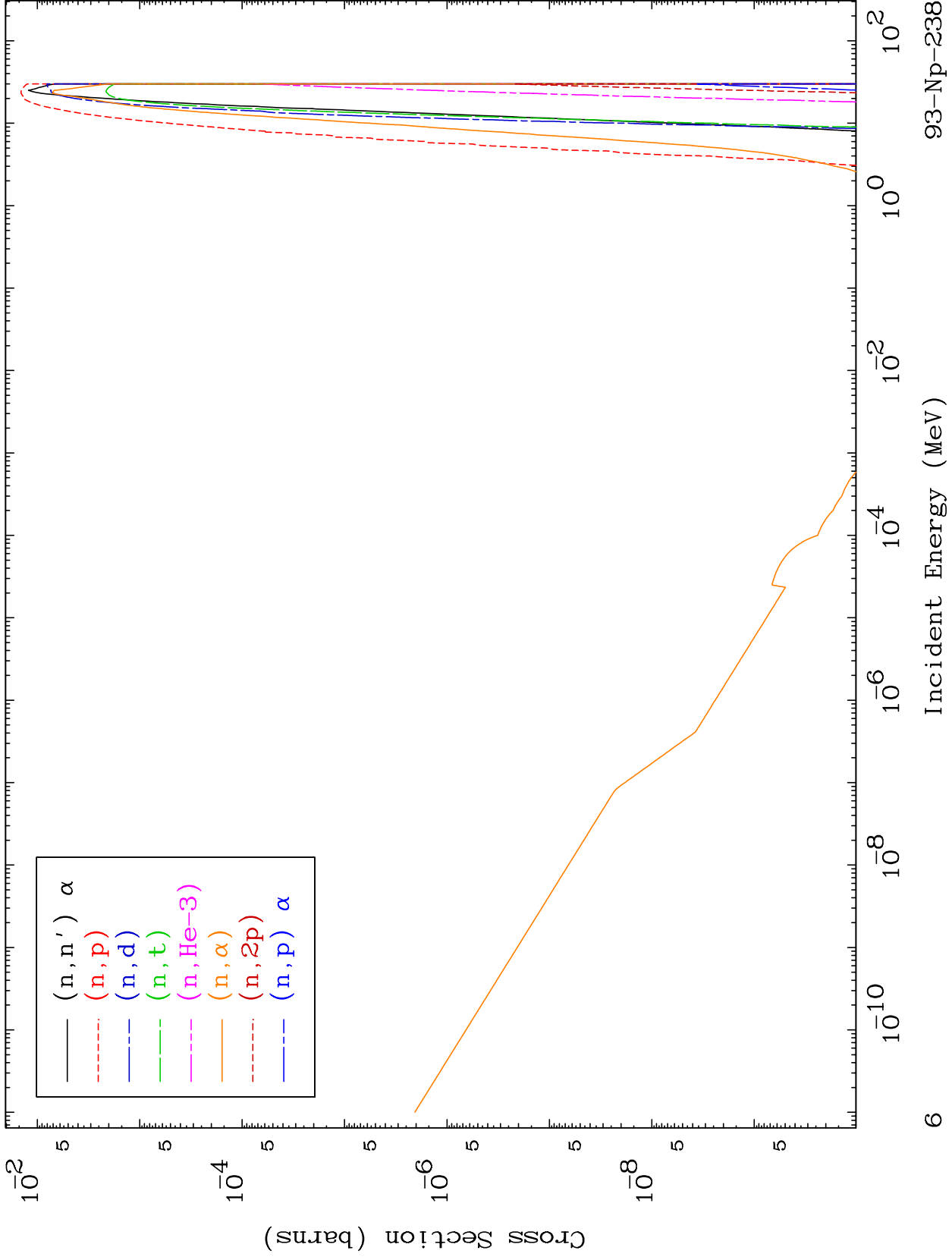
93-Np-238

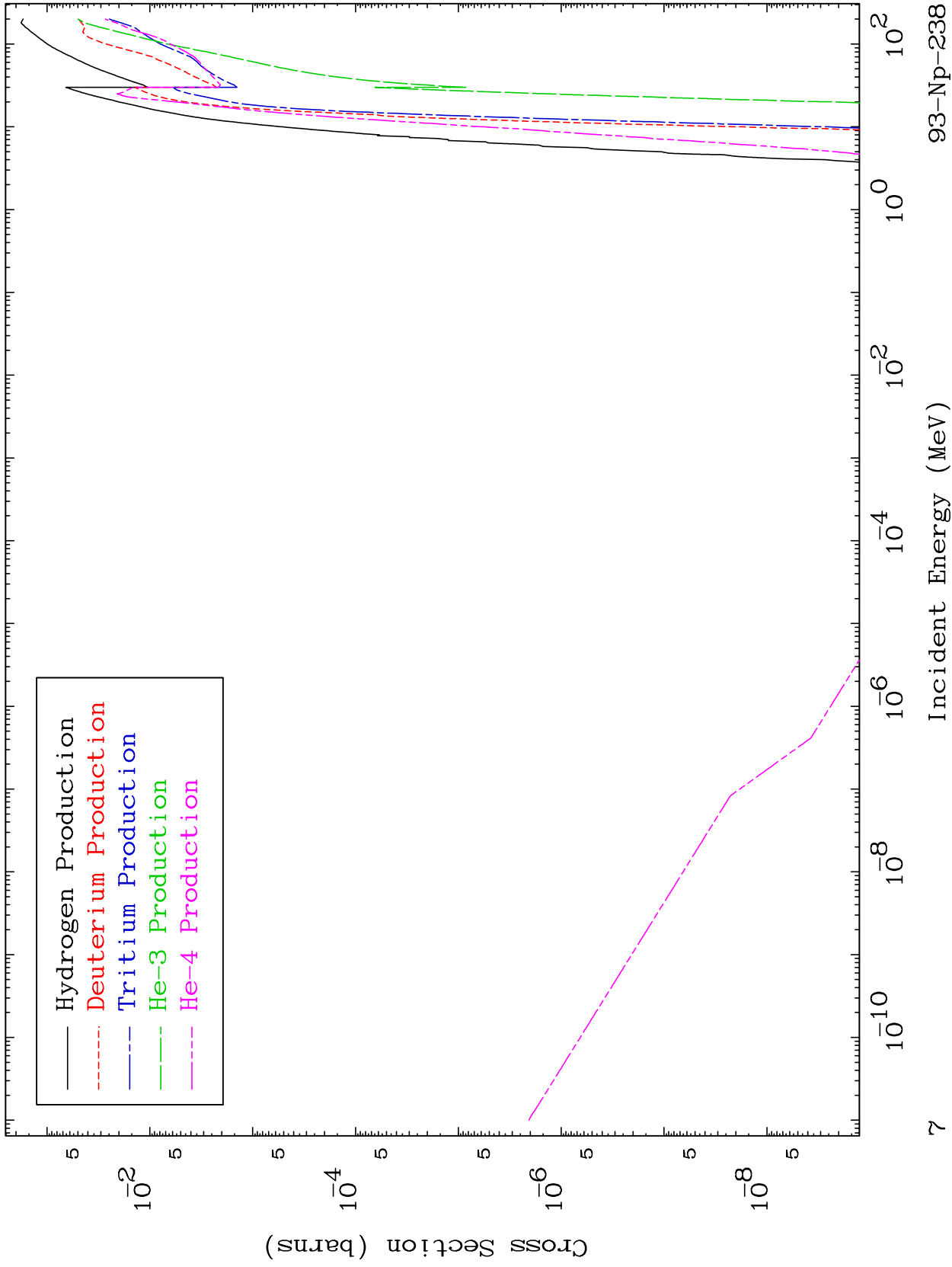


MAT 9349

Charged Particle
293 Kelvin Cross Sections

93-Np-238

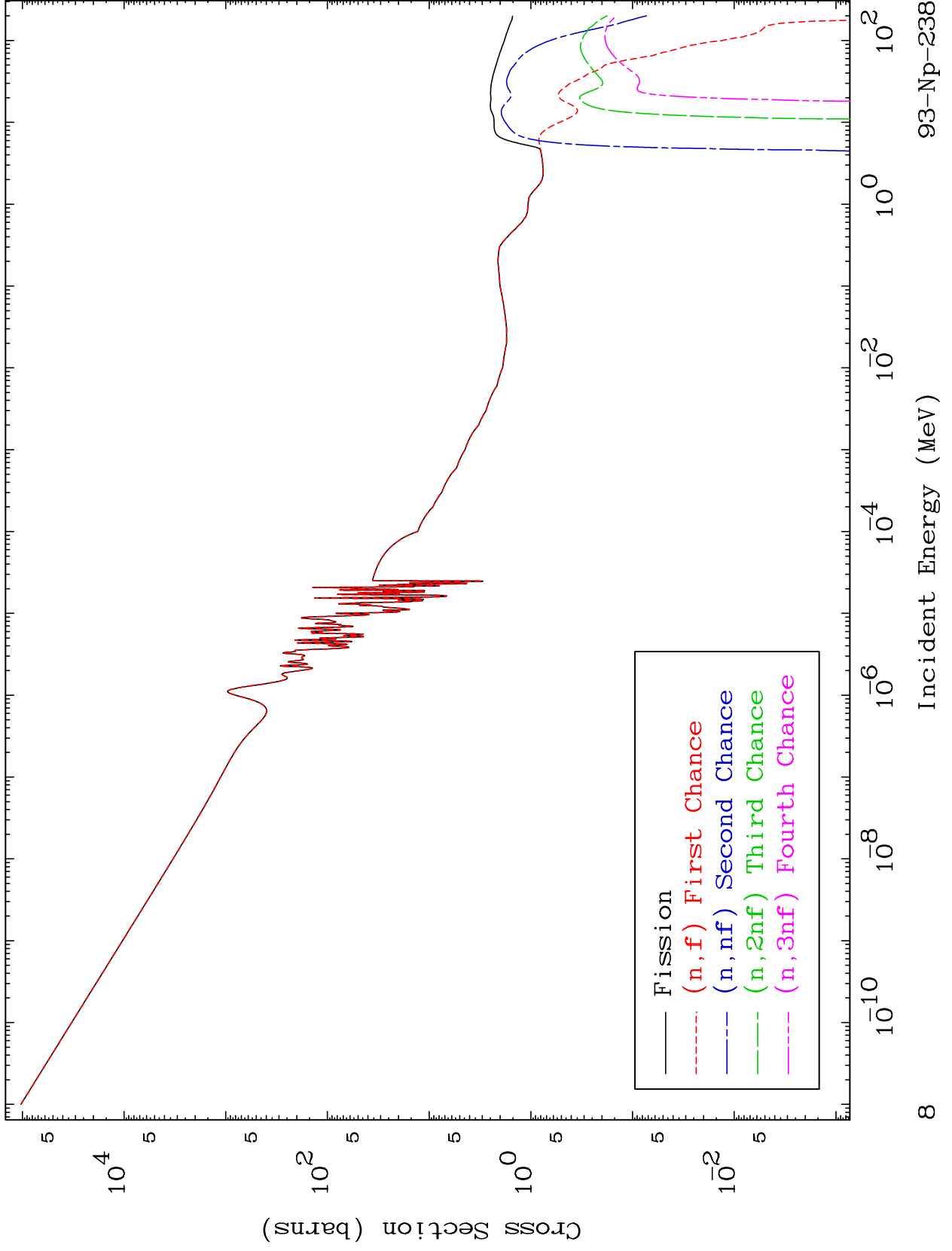


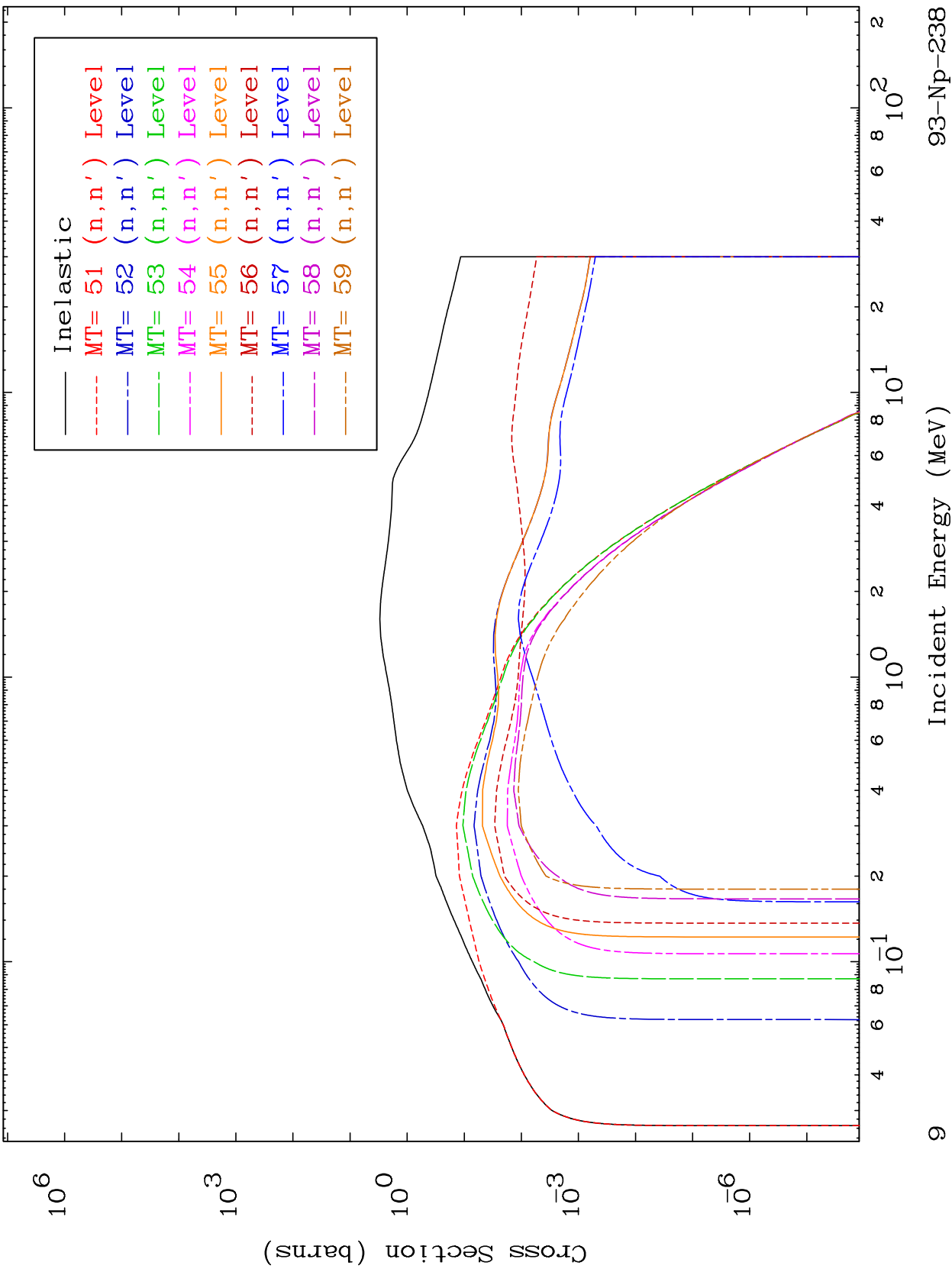


MAT 9349

Fission
293 Kelvin Cross Sections

93-Np-238



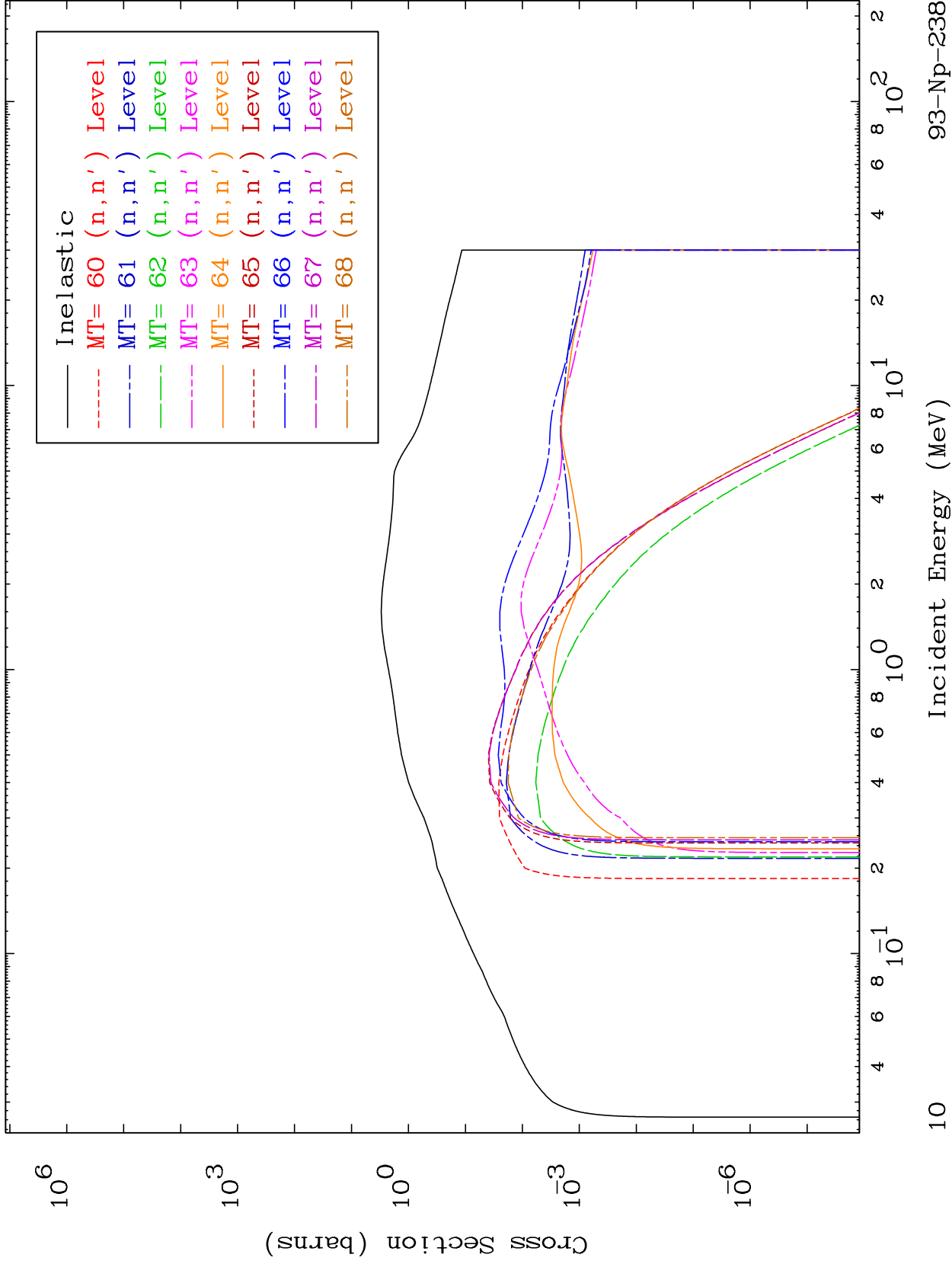


MAT 9349

(n,n') Levels

93-Np-238

293 Kelvin Cross Sections



10

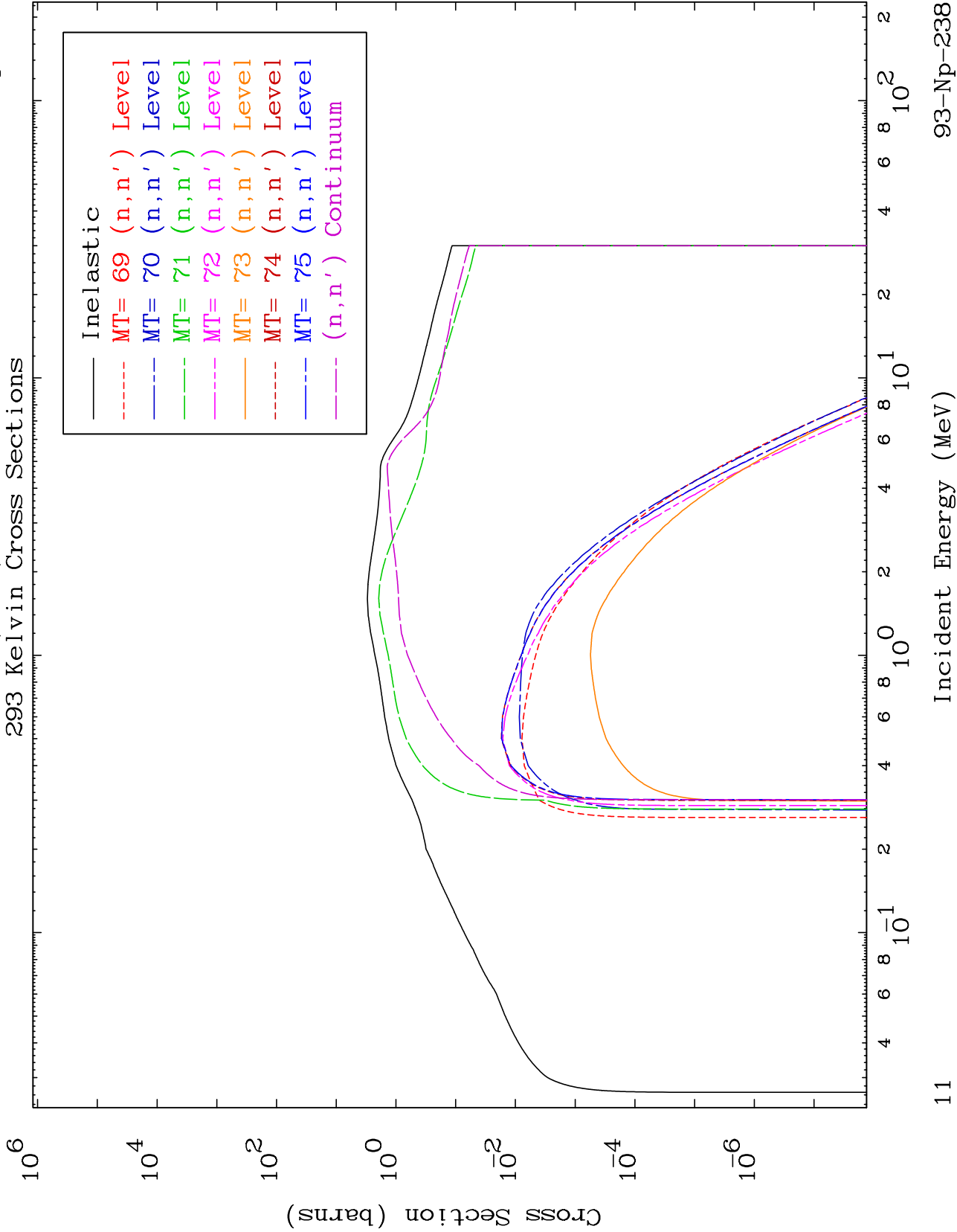
Incident Energy (MeV)

93-Np-238

MAT 9349

(n,n') Levels

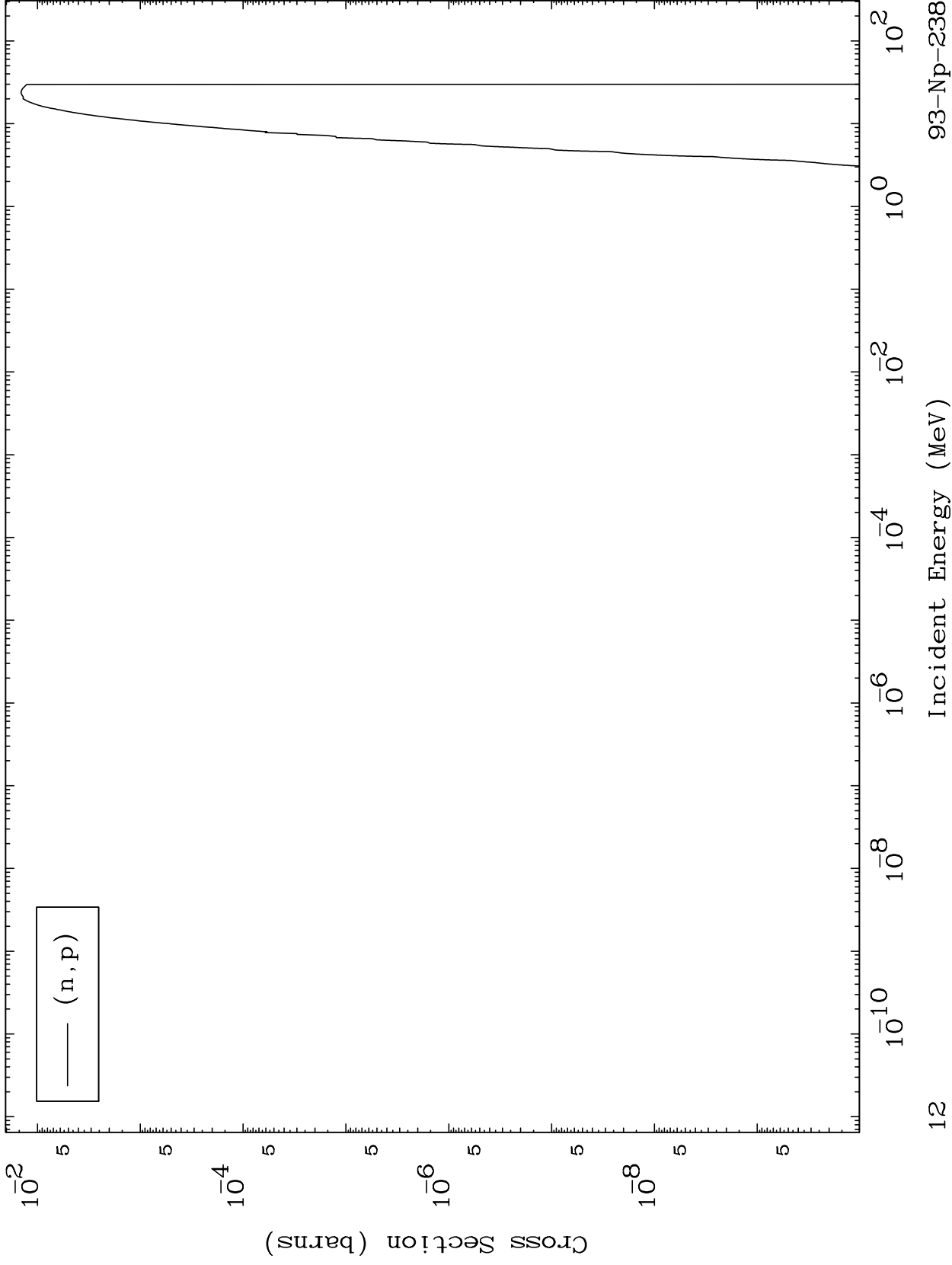
93-Np-238



MAT 9349

(n,p) Levels
293 Kelvin Cross Sections

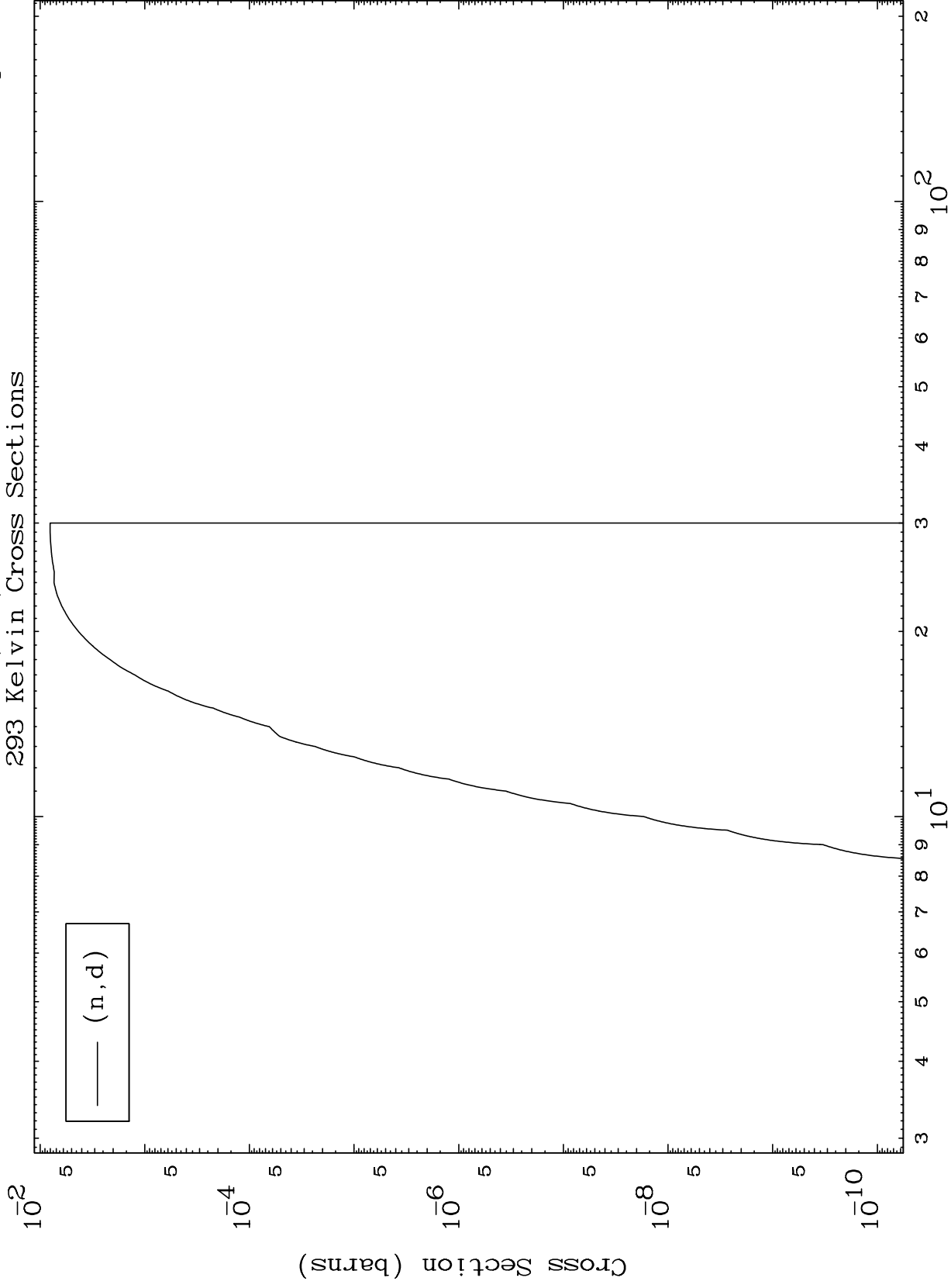
93-Np-238



MAT 9349

(n,d) Levels
293 Kelvin Cross Sections

93-Np-238



13

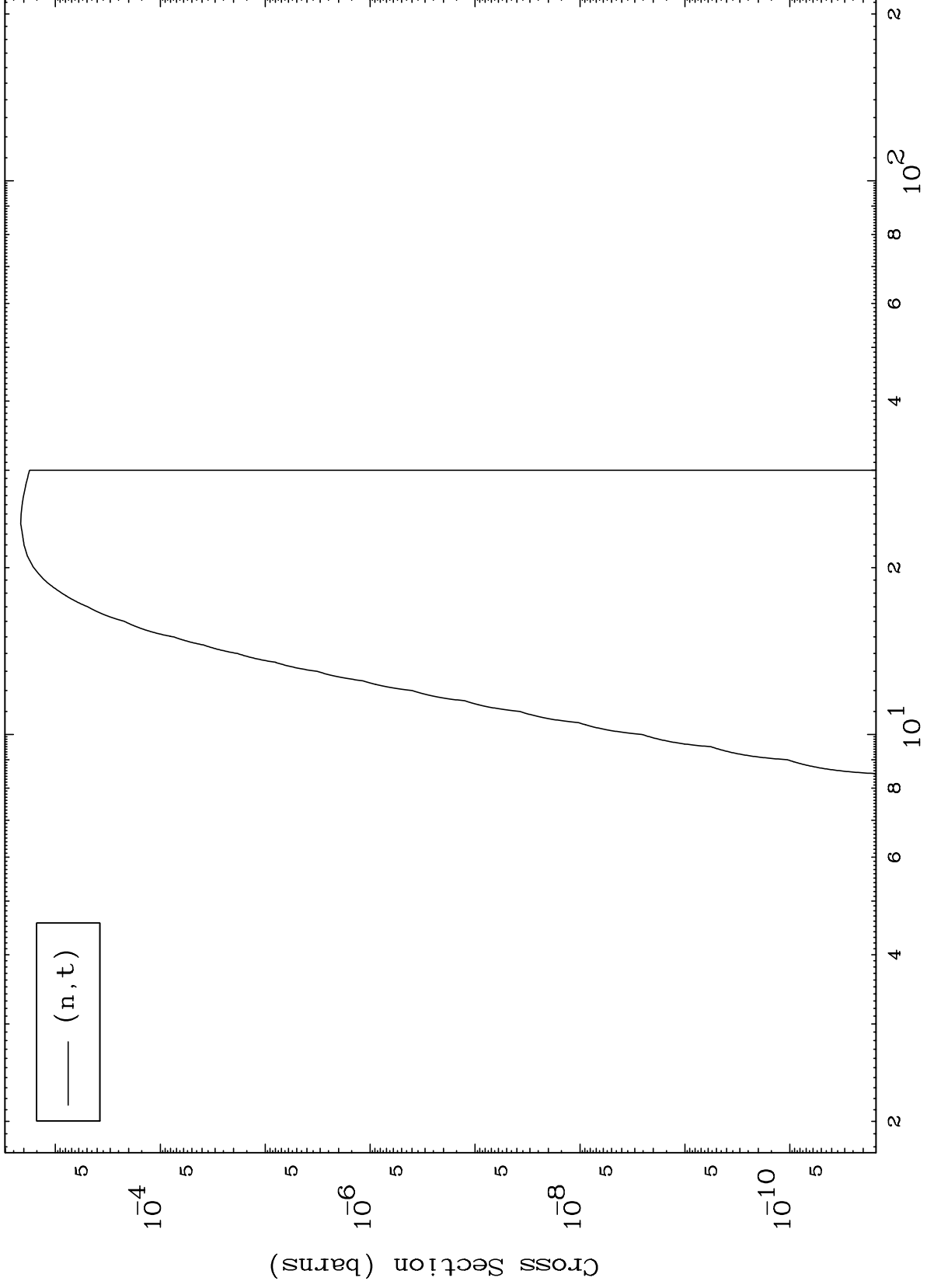
Incident Energy (MeV)

93-Np-238

MAT 9349

(n,t) Levels
293 Kelvin Cross Sections

93-Np-238



14

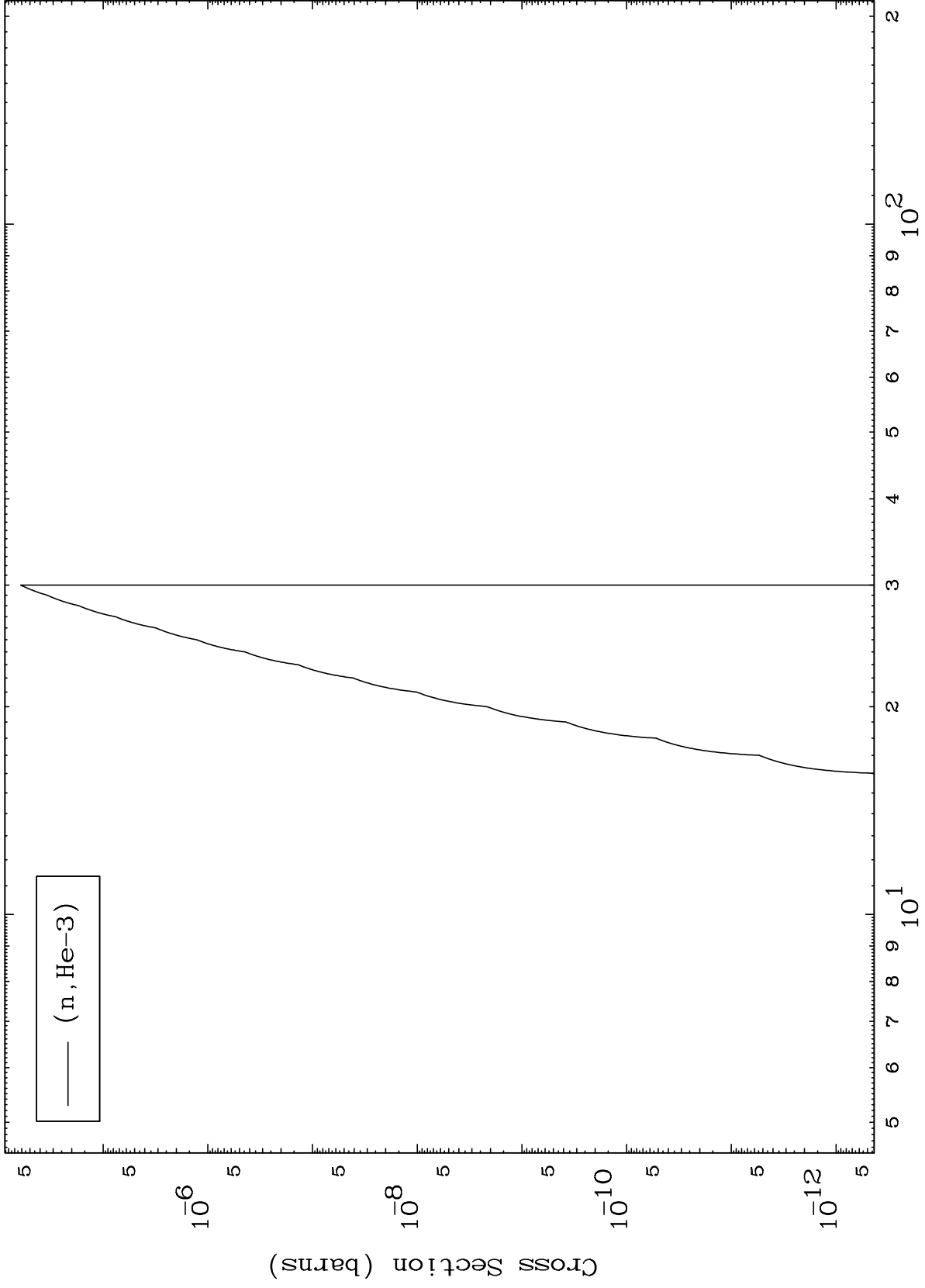
Incident Energy (MeV)

93-Np-238

MAT 9349

(n,He3) Levels
293 Kelvin Cross Sections

93-Np-238



15

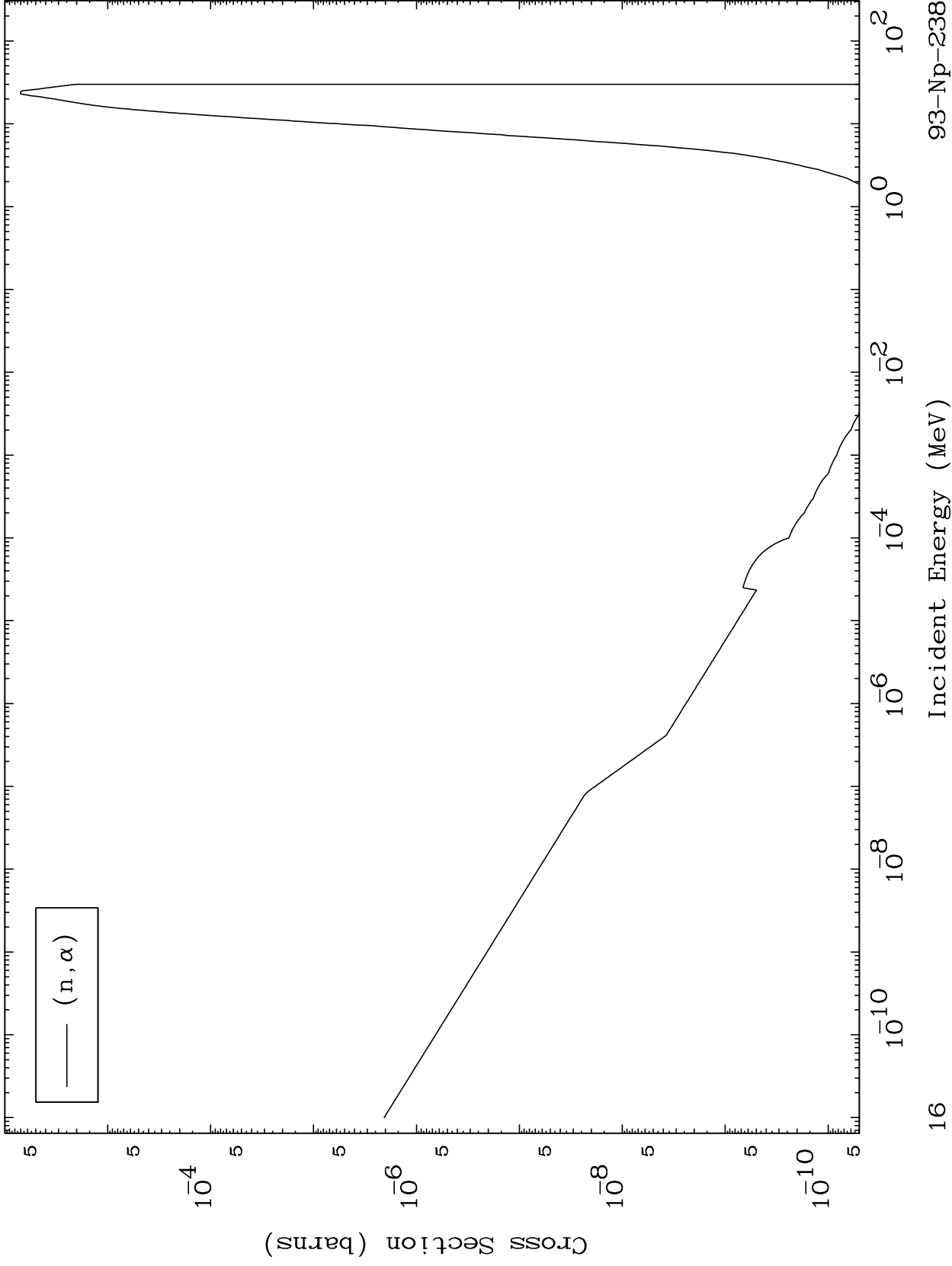
Incident Energy (MeV)

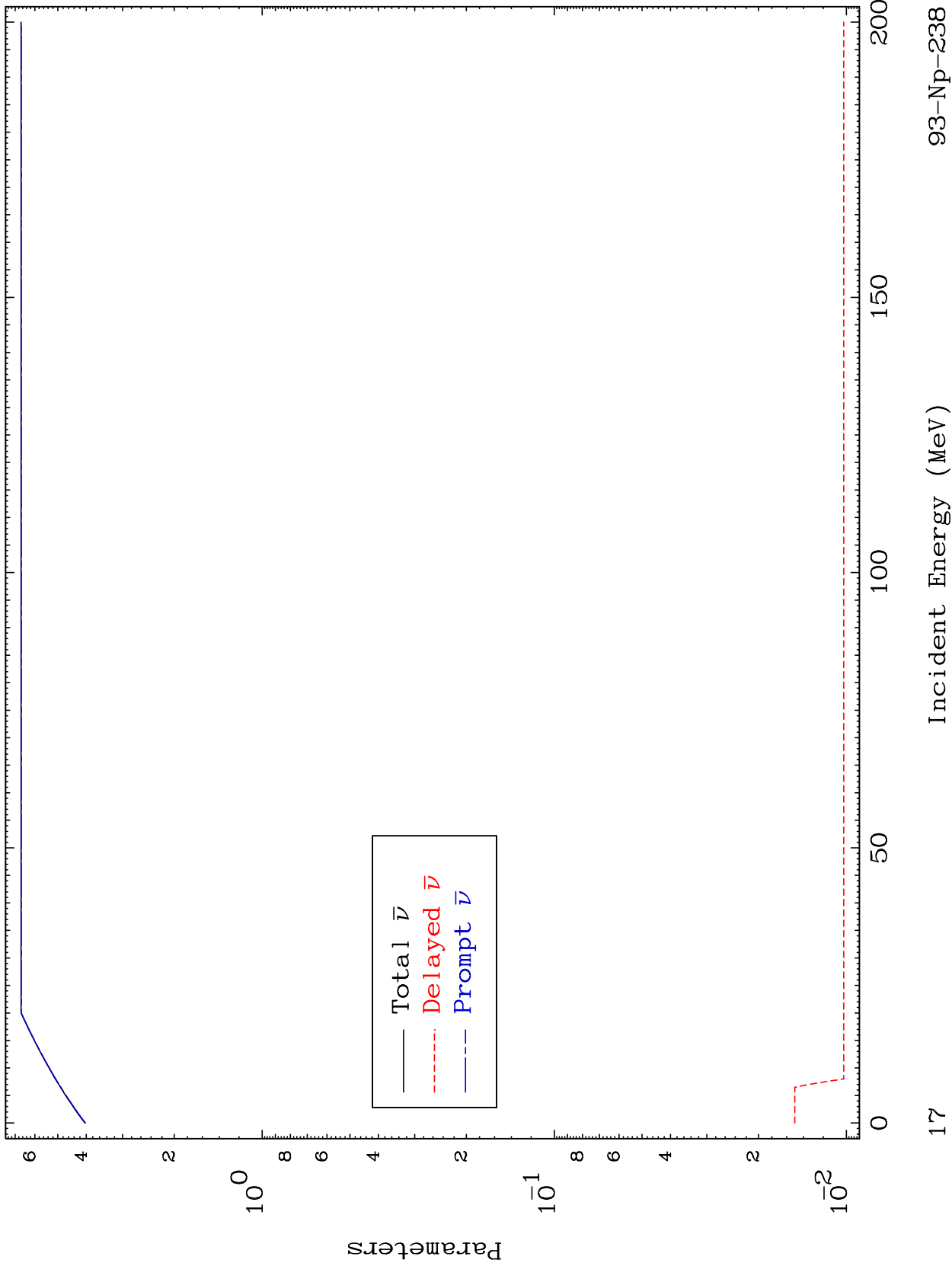
93-Np-238

MAT 9349

(n, α) Levels
293 Kelvin Cross Sections

93-Np-238

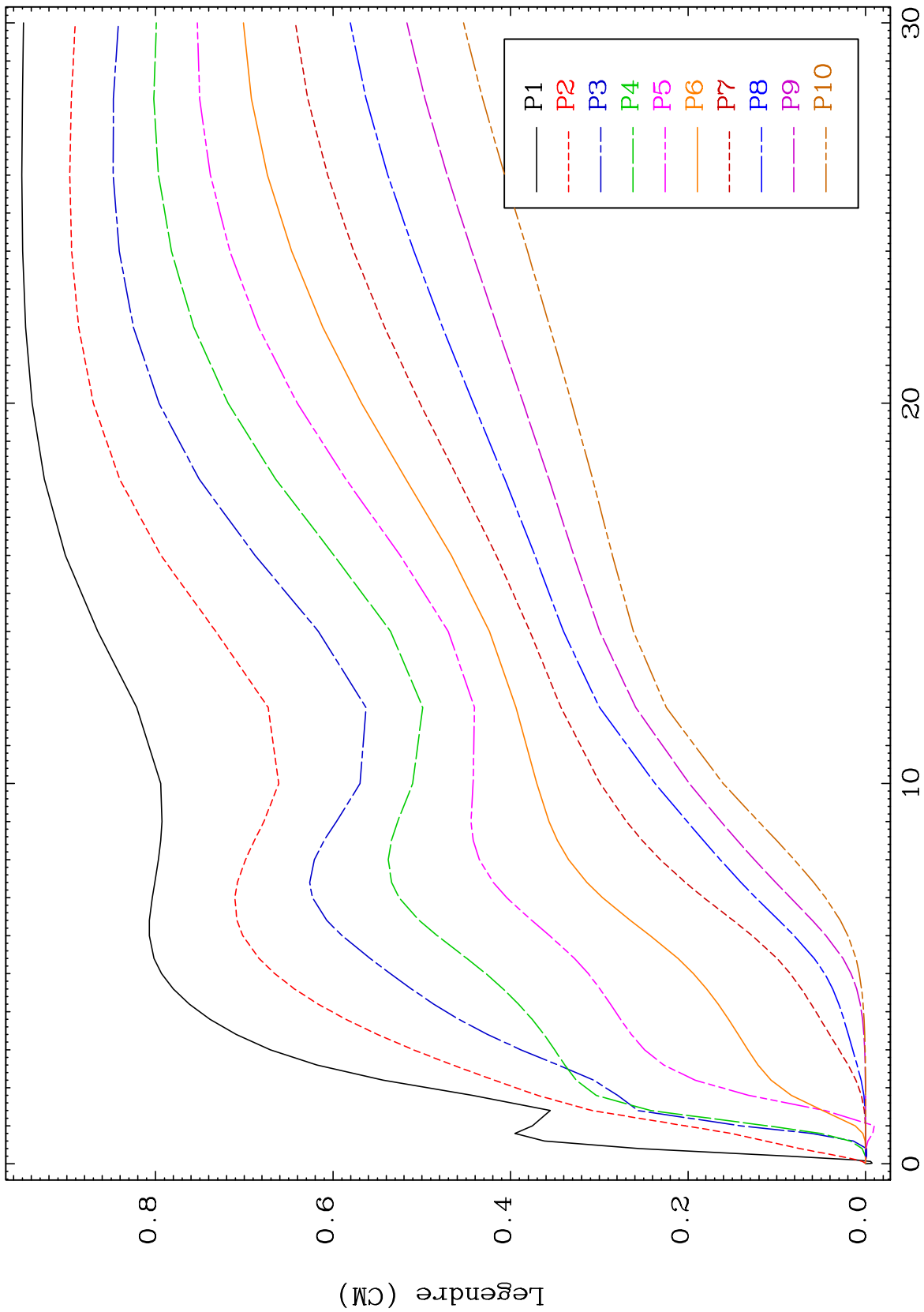




MAT 9349

93-Np-238

Elastic Legendre Coefficients



93-Np-238

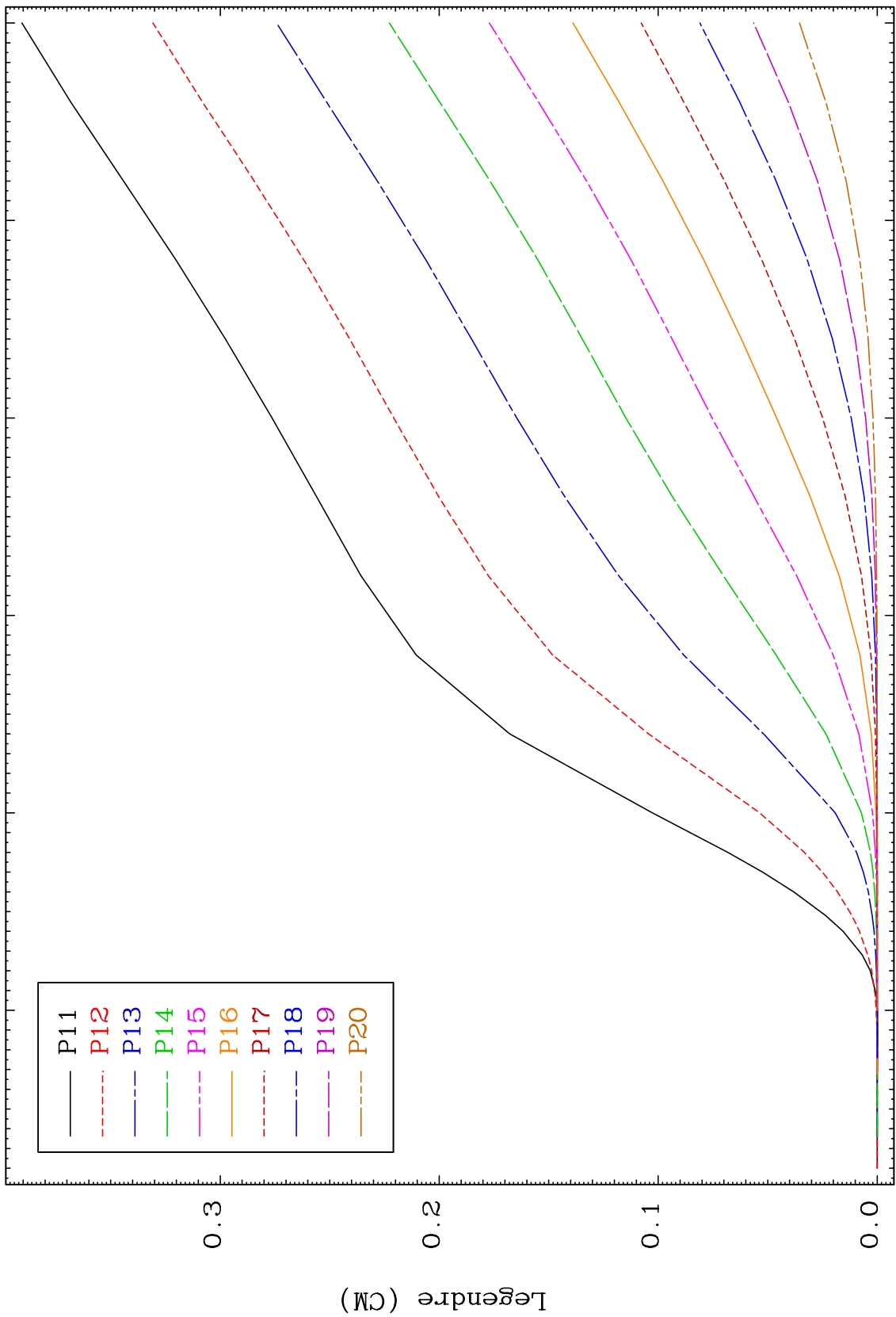
Incident Energy (MeV)

18

MAT 9349

Elastic Legendre Coefficients

⁹³Np-238



19

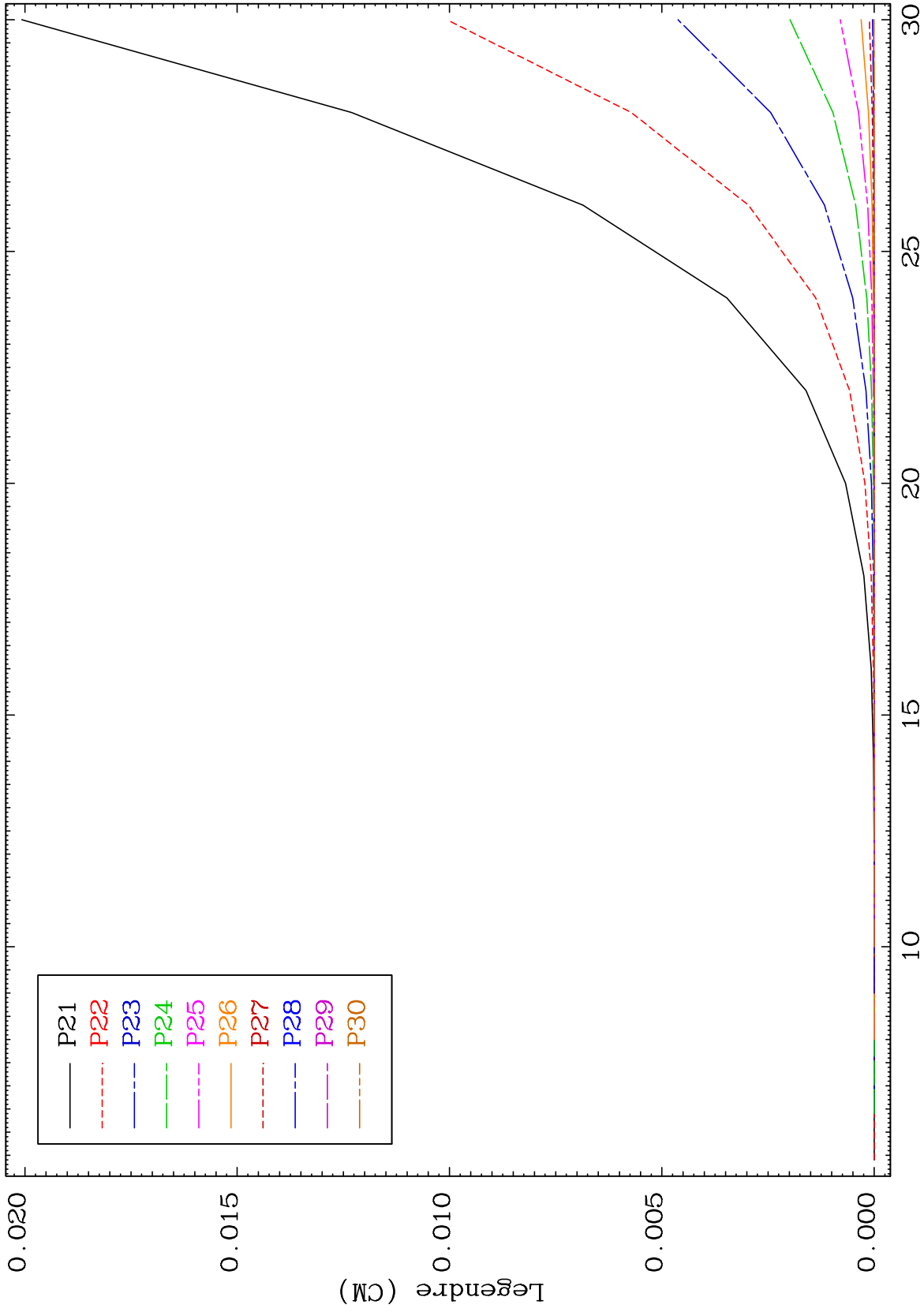
Incident Energy (MeV)

⁹³Np-238

MAT 9349

Elastic Legendre Coefficients

93-Np-238



20

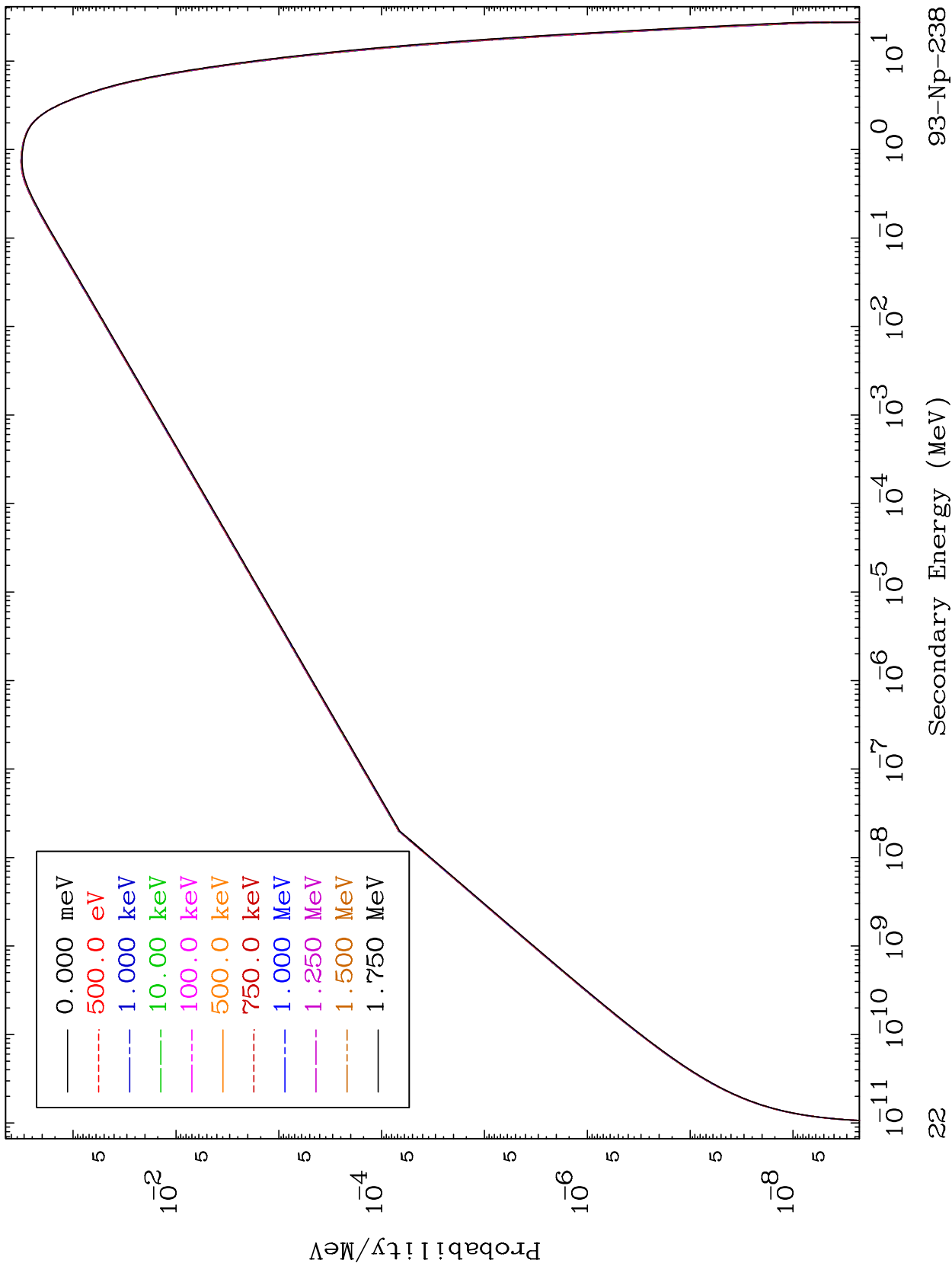
Incident Energy (MeV)

93-Np-238

MAT 9349

Fission Energy Distributions

⁹³Np-238

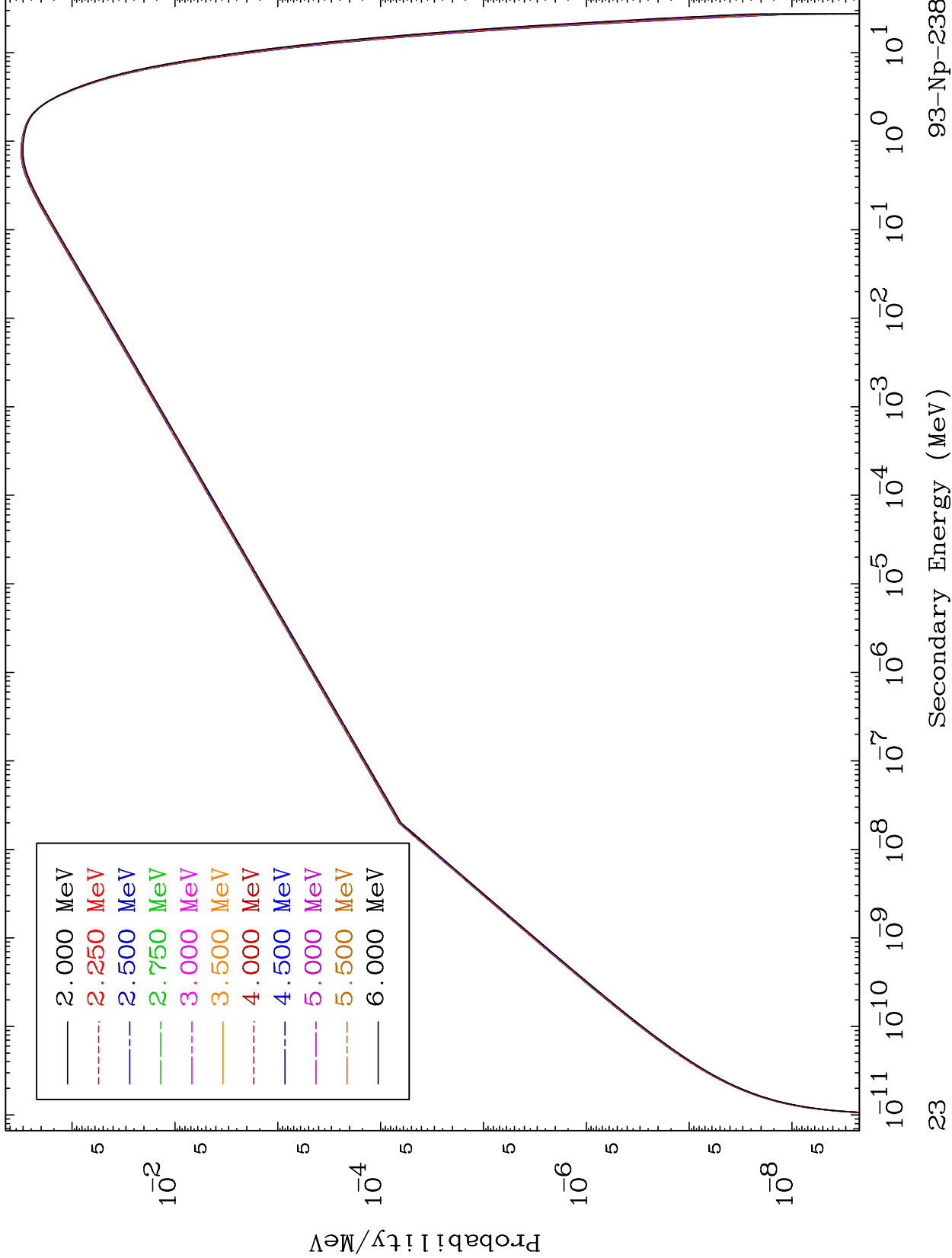


⁹³Np-238

MAT 9349

Fission Energy Distributions

93-Np-238



93-Np-238

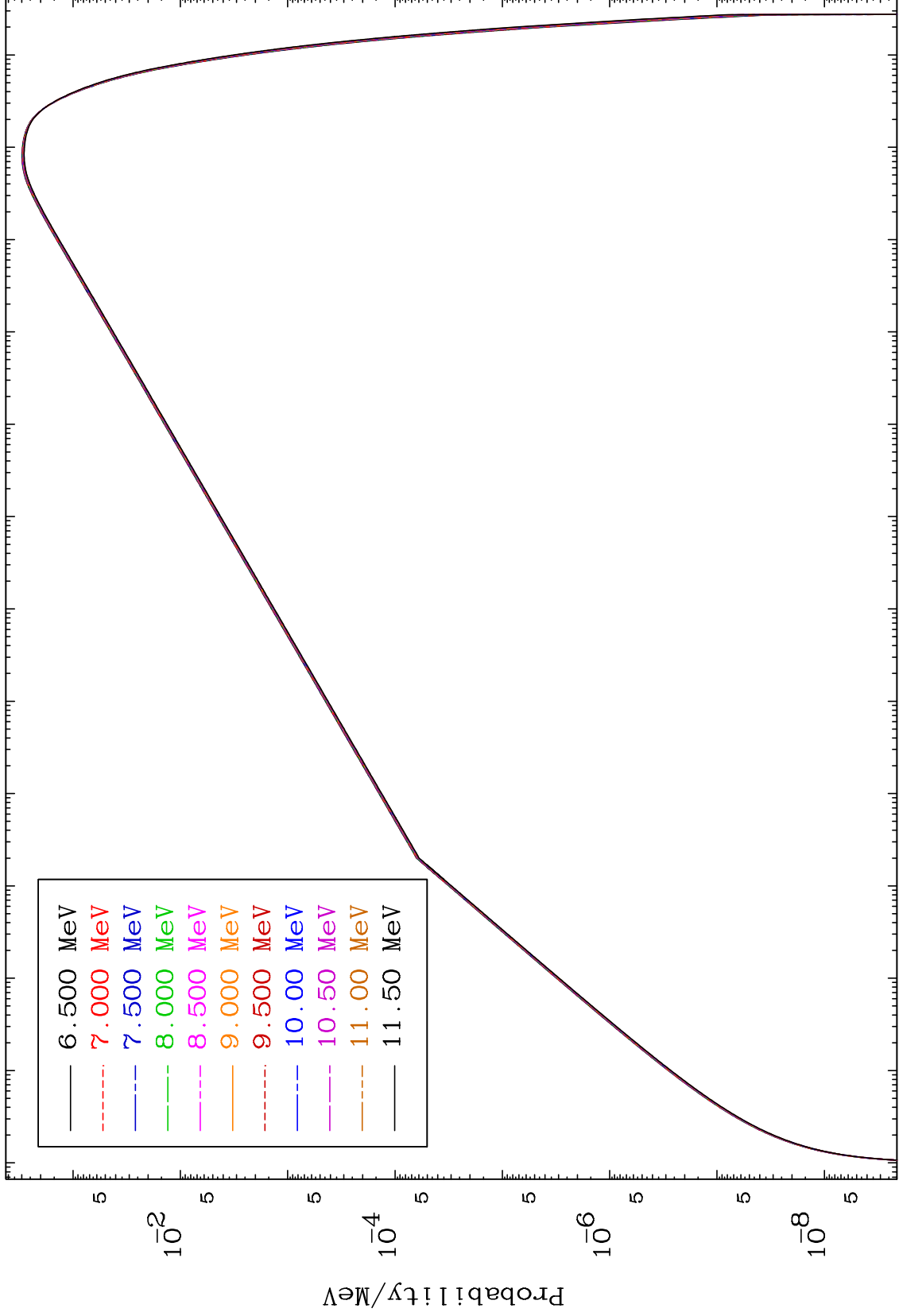
Secondary Energy (MeV)

23

MAT 9349

Fission Energy Distributions

93-Np-238



24

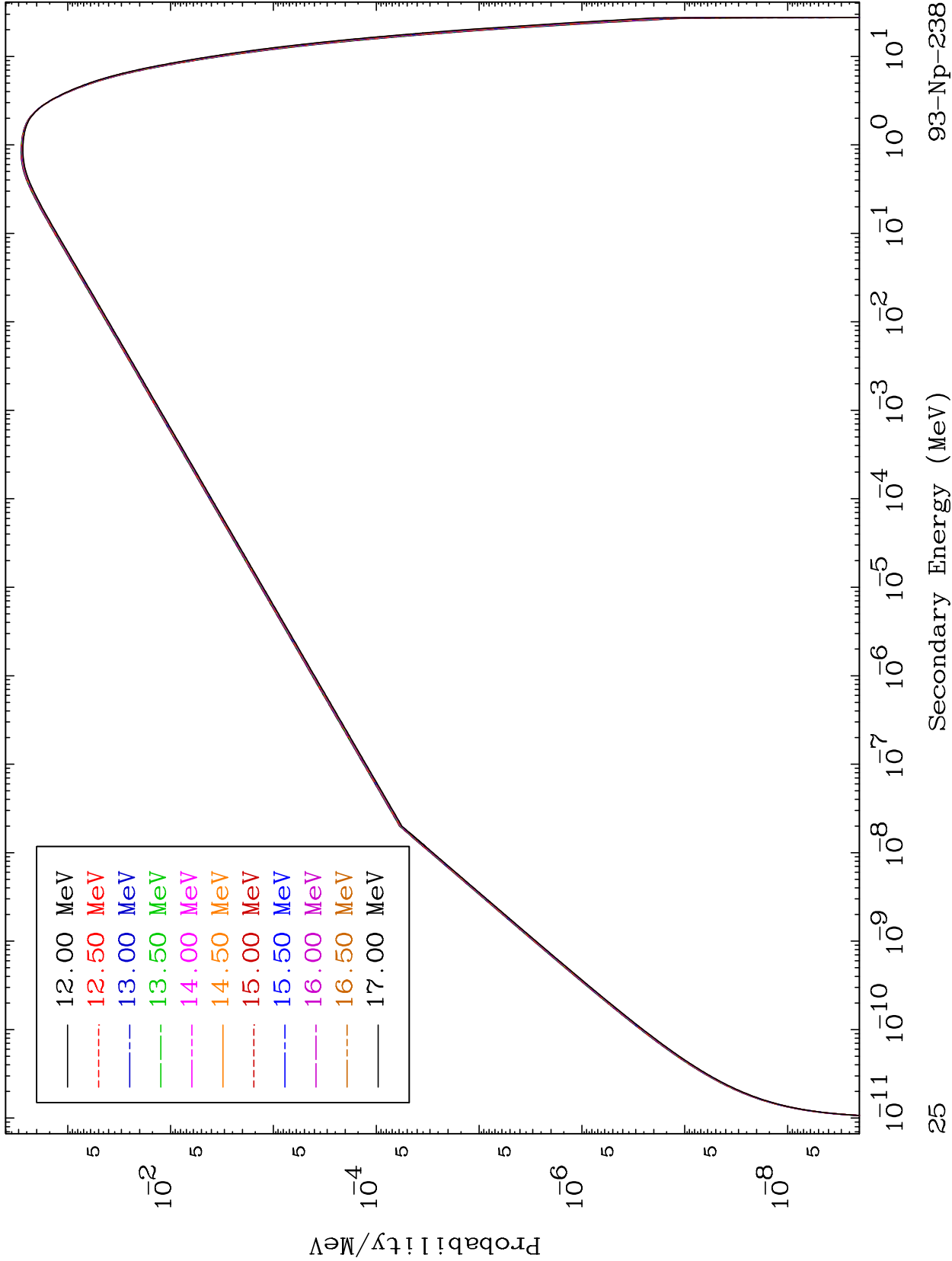
Secondary Energy (MeV)

93-Np-238

MAT 9349

Fission Energy Distributions

93-Np-238



93-Np-238

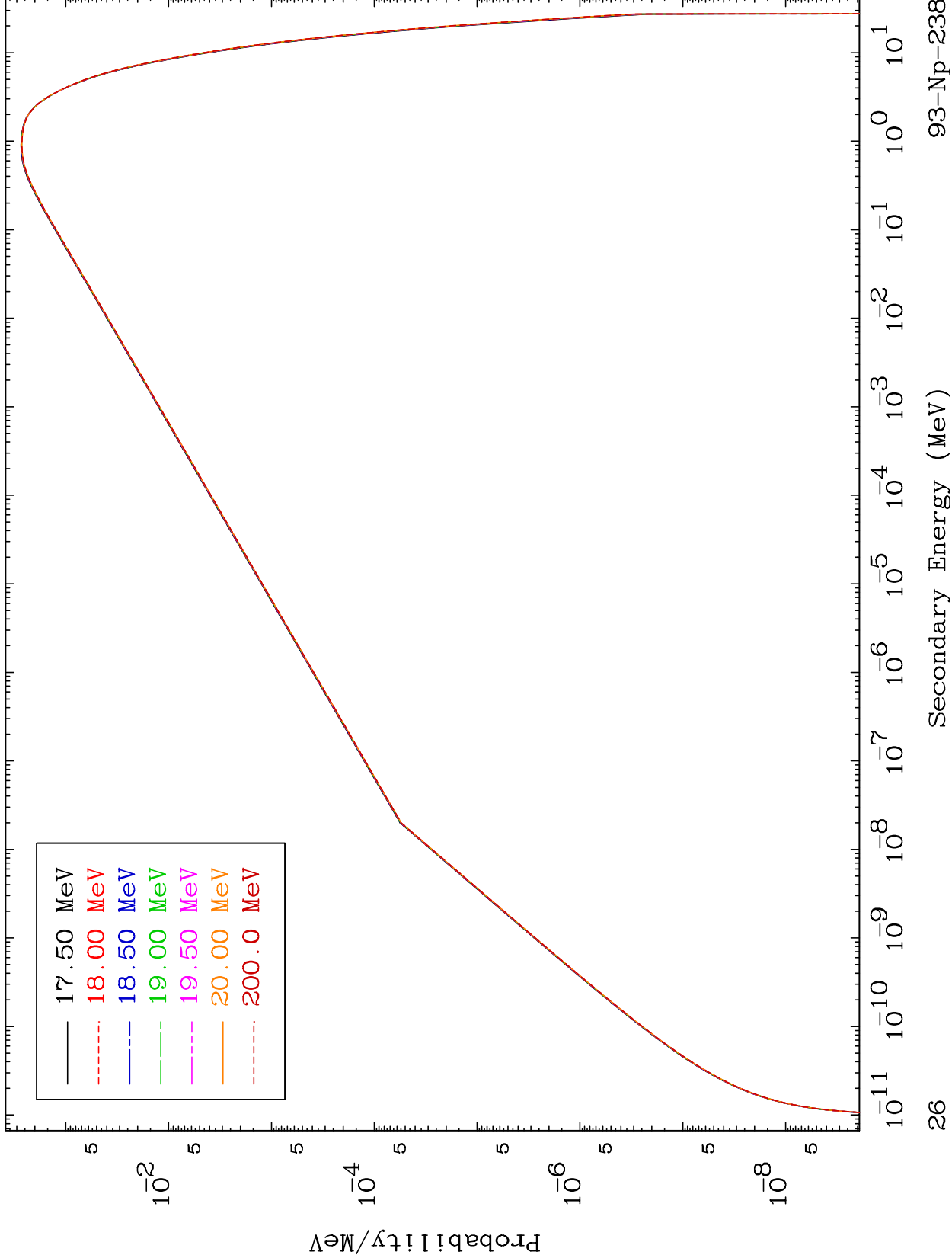
Secondary Energy (MeV)

25

MAT 9349

Fission Energy Distributions

93-Np-238

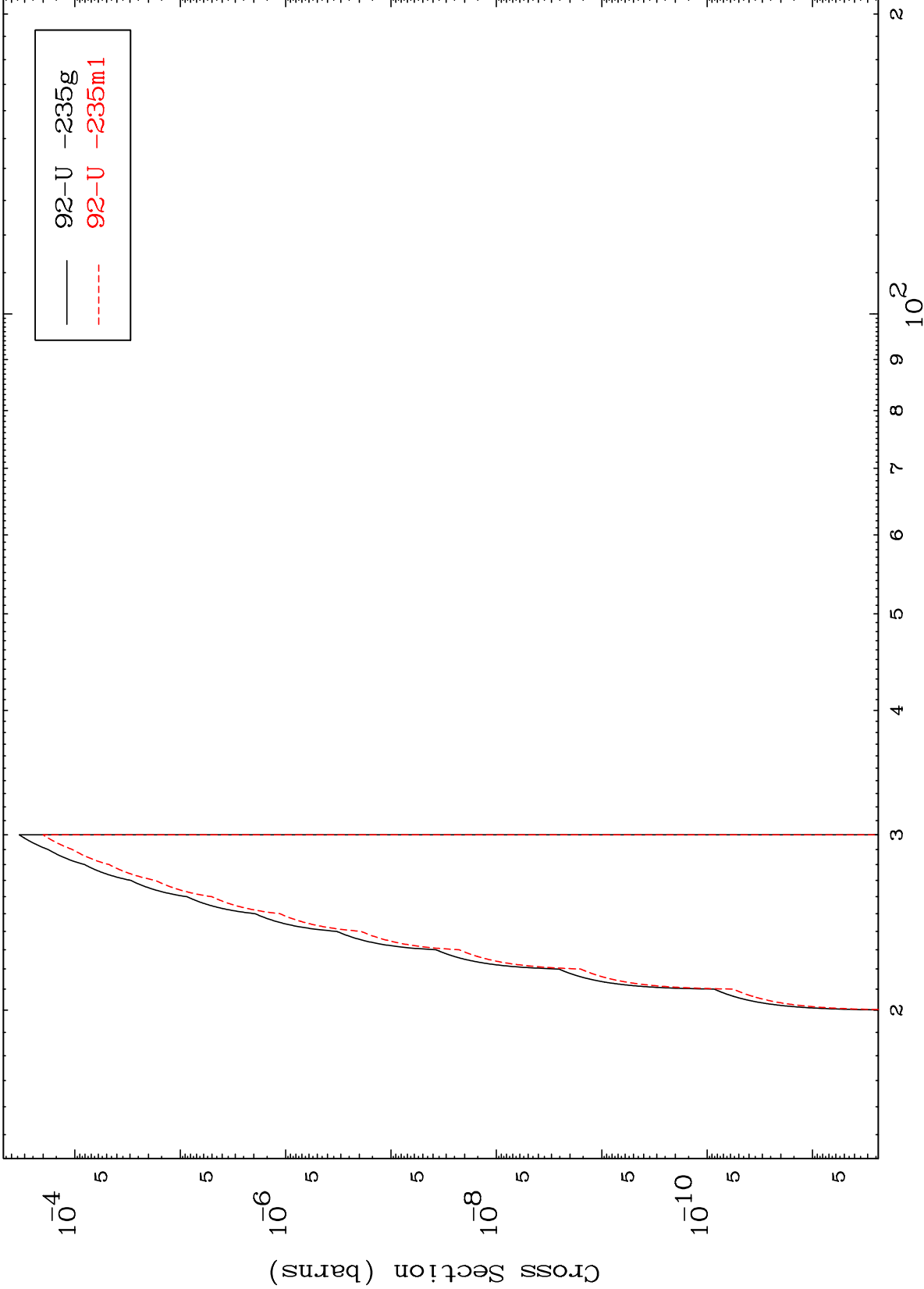


MAT 9349

(n,2n) d

93-Np-238

Radionuclide Production Cross Section



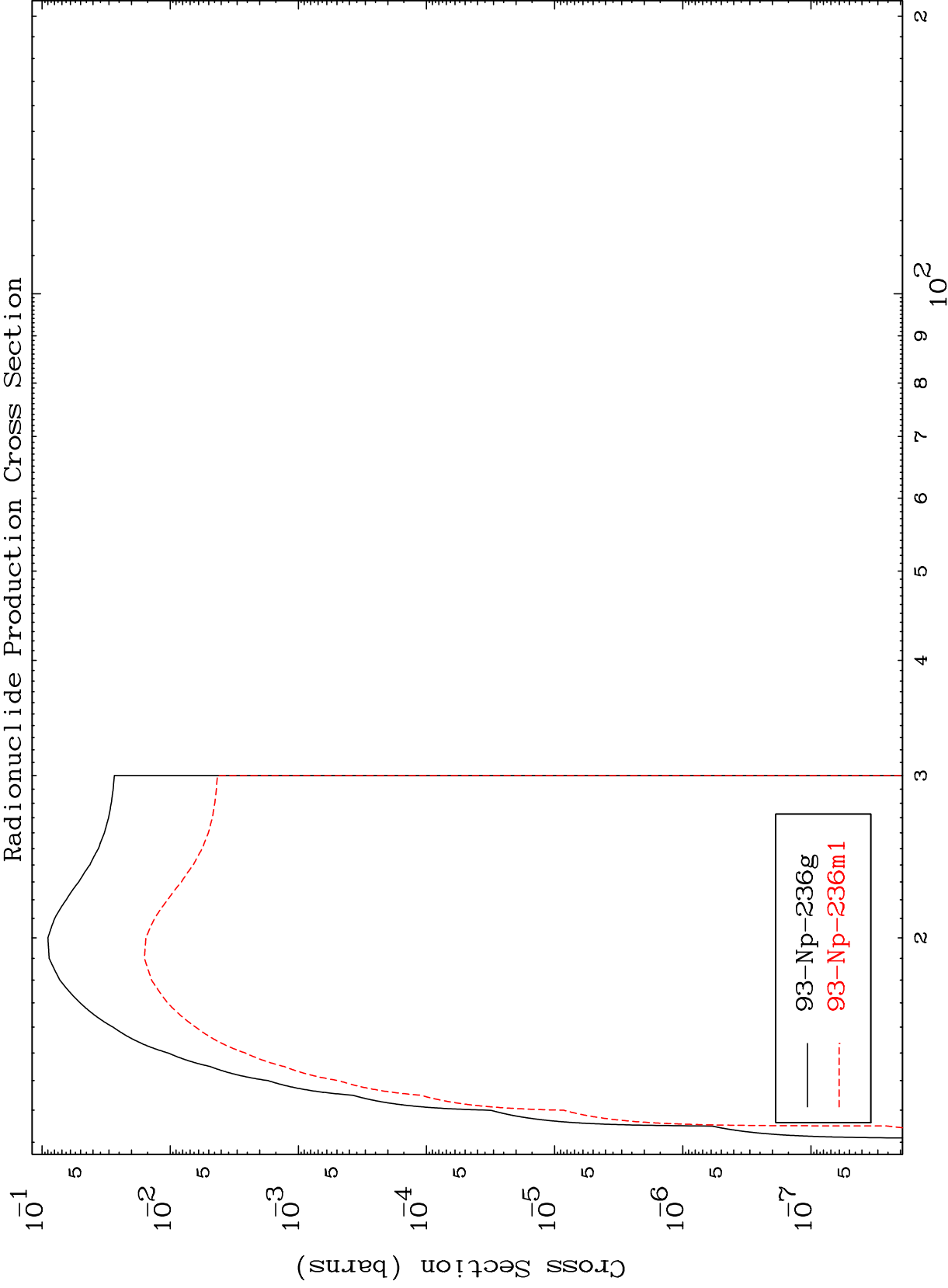
92-U -235g
92-U -235m1

MAT 9349

(n,3n)

93-Np-238

Radionuclide Production Cross Section



28

Incident Energy (MeV)

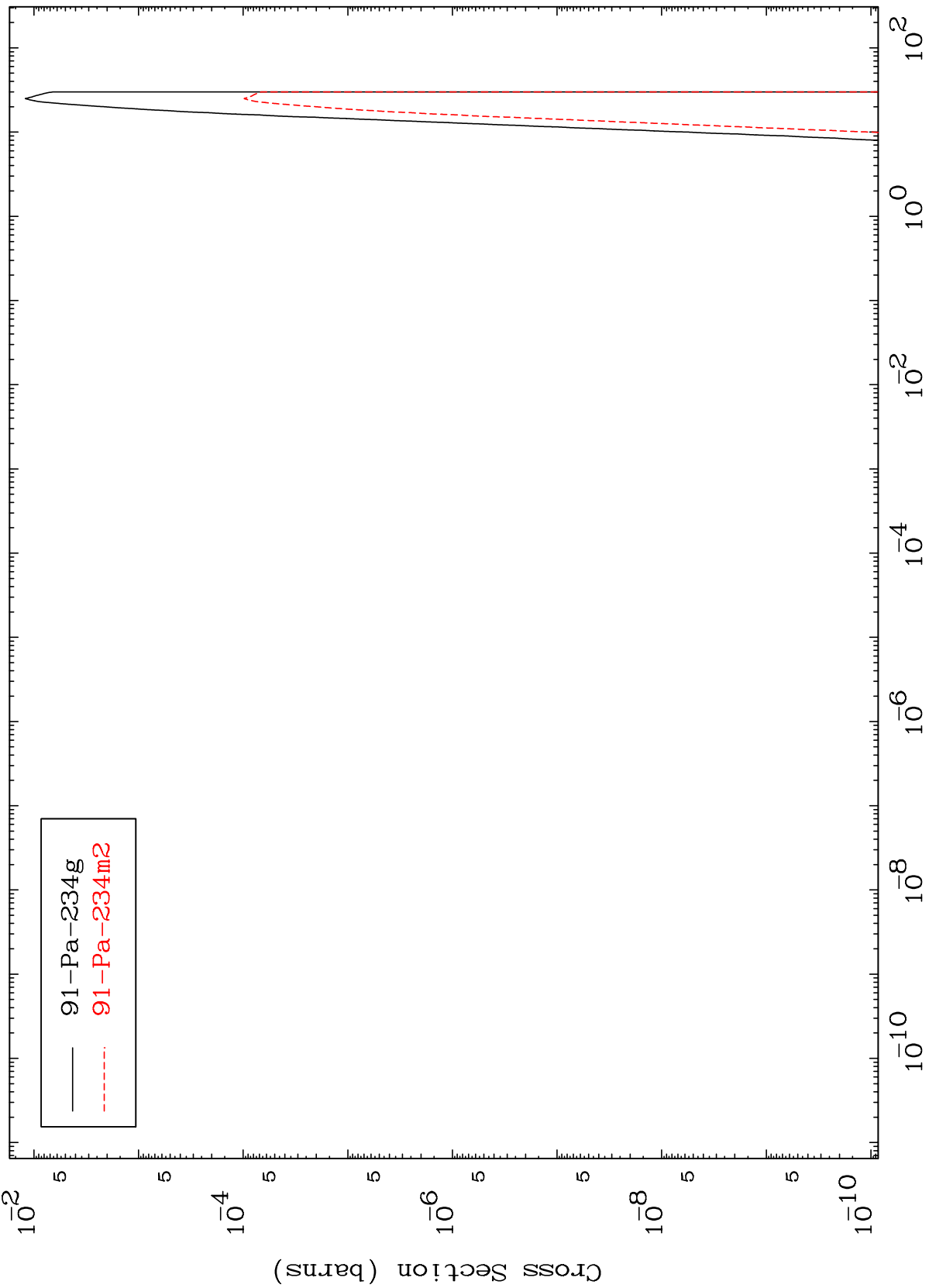
93-Np-238

MAT 9349

$(n, n') \alpha$

93-Np-238

Radionuclide Production Cross Section



29

Incident Energy (MeV)

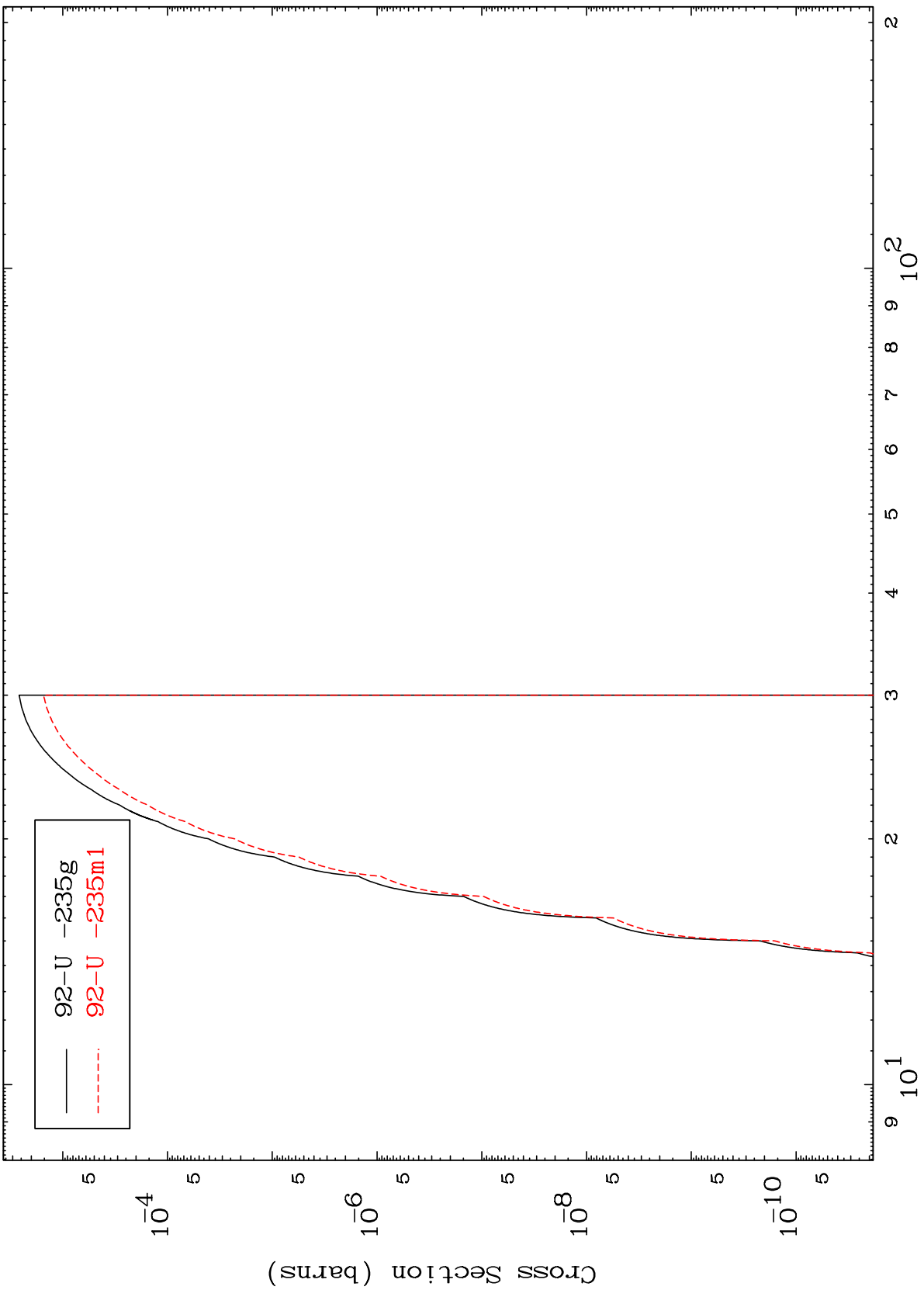
93-Np-238

MAT 9349

(n,n') t

93-Np-238

Radionuclide Production Cross Section



30

Incident Energy (MeV)

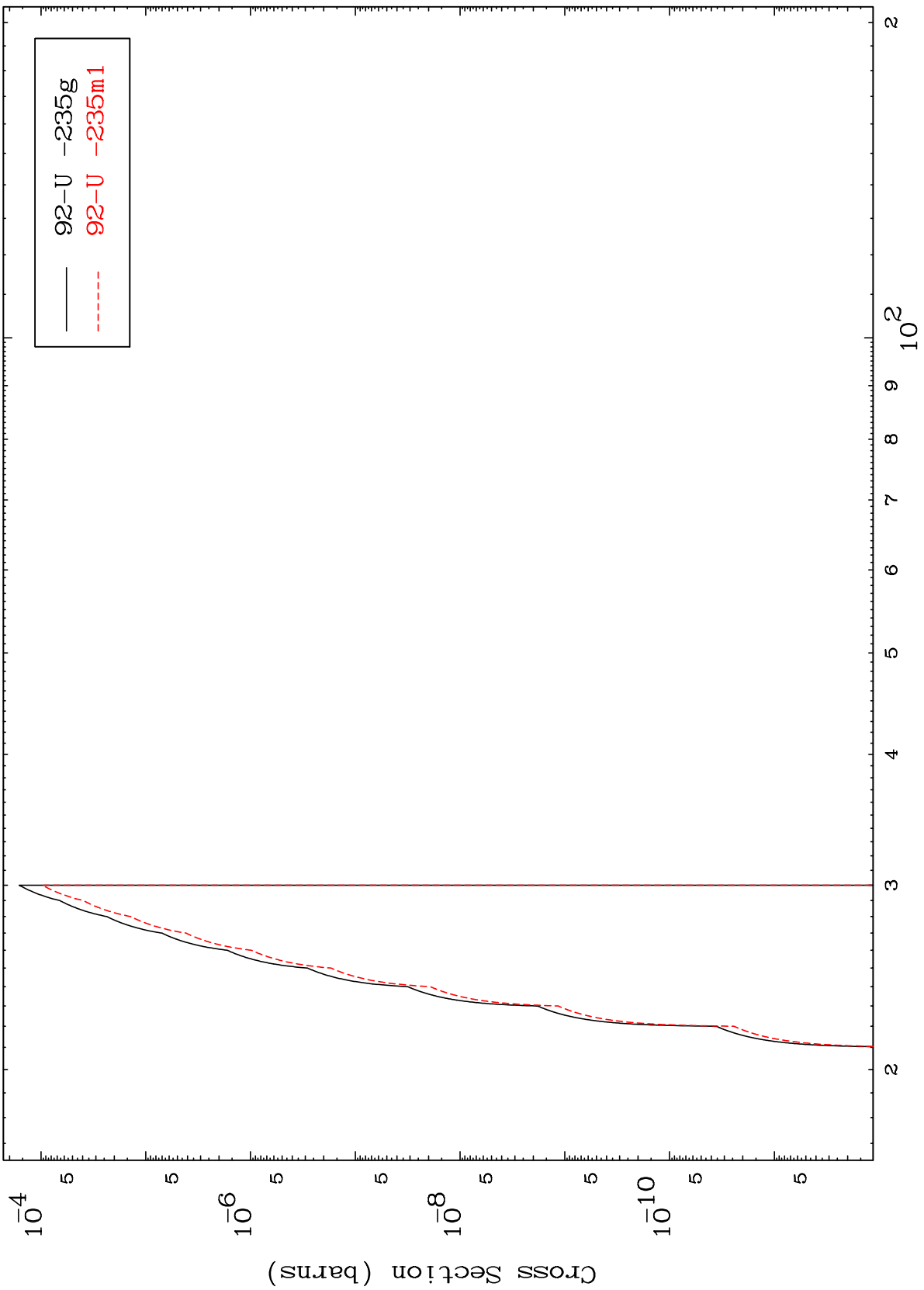
93-Np-238

MAT 9349

(n,3n) p

93-Np-238

Radionuclide Production Cross Section



92-U -235g
92-U -235m1