

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

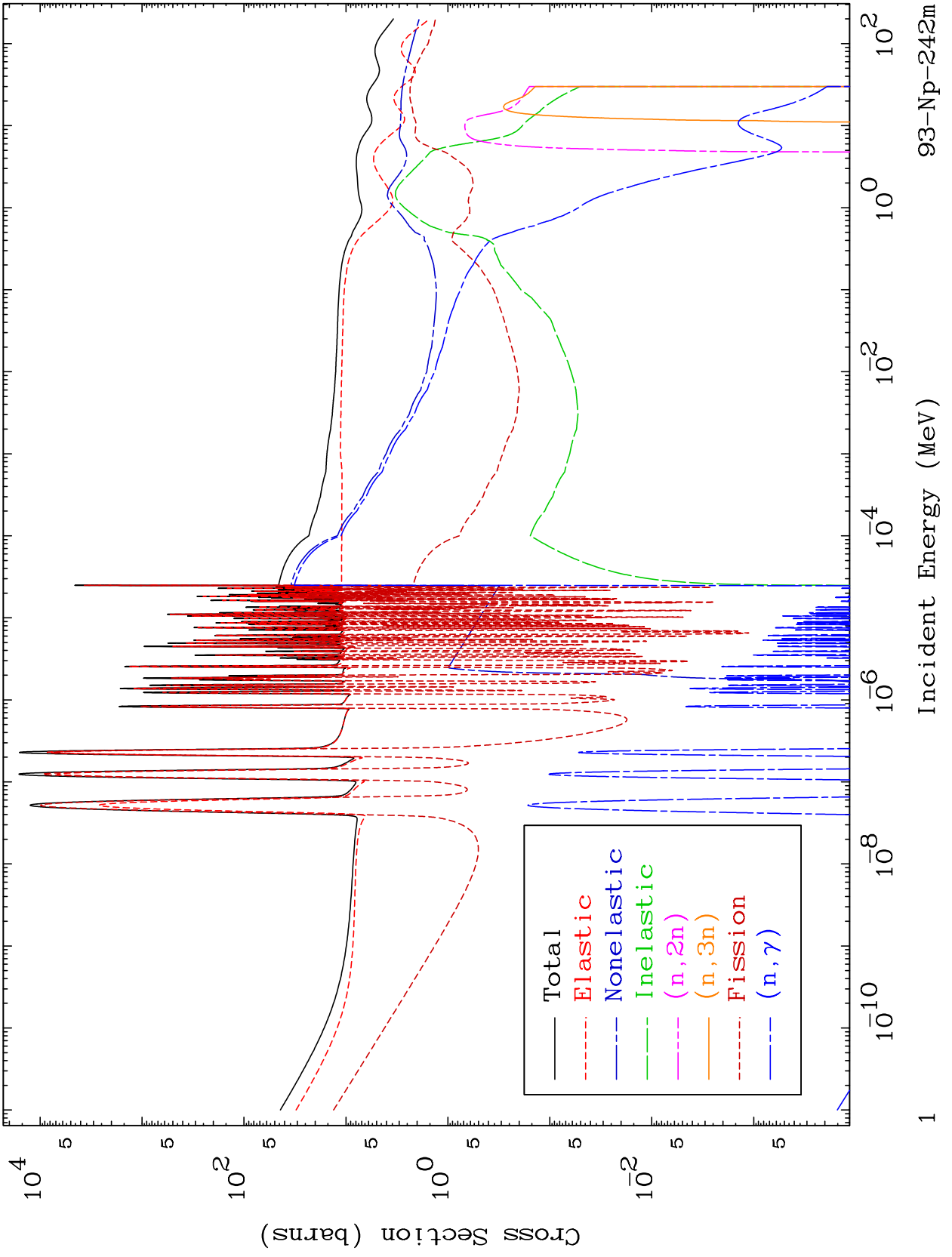
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9362

Neutron Major
293 Kelvin Cross Sections

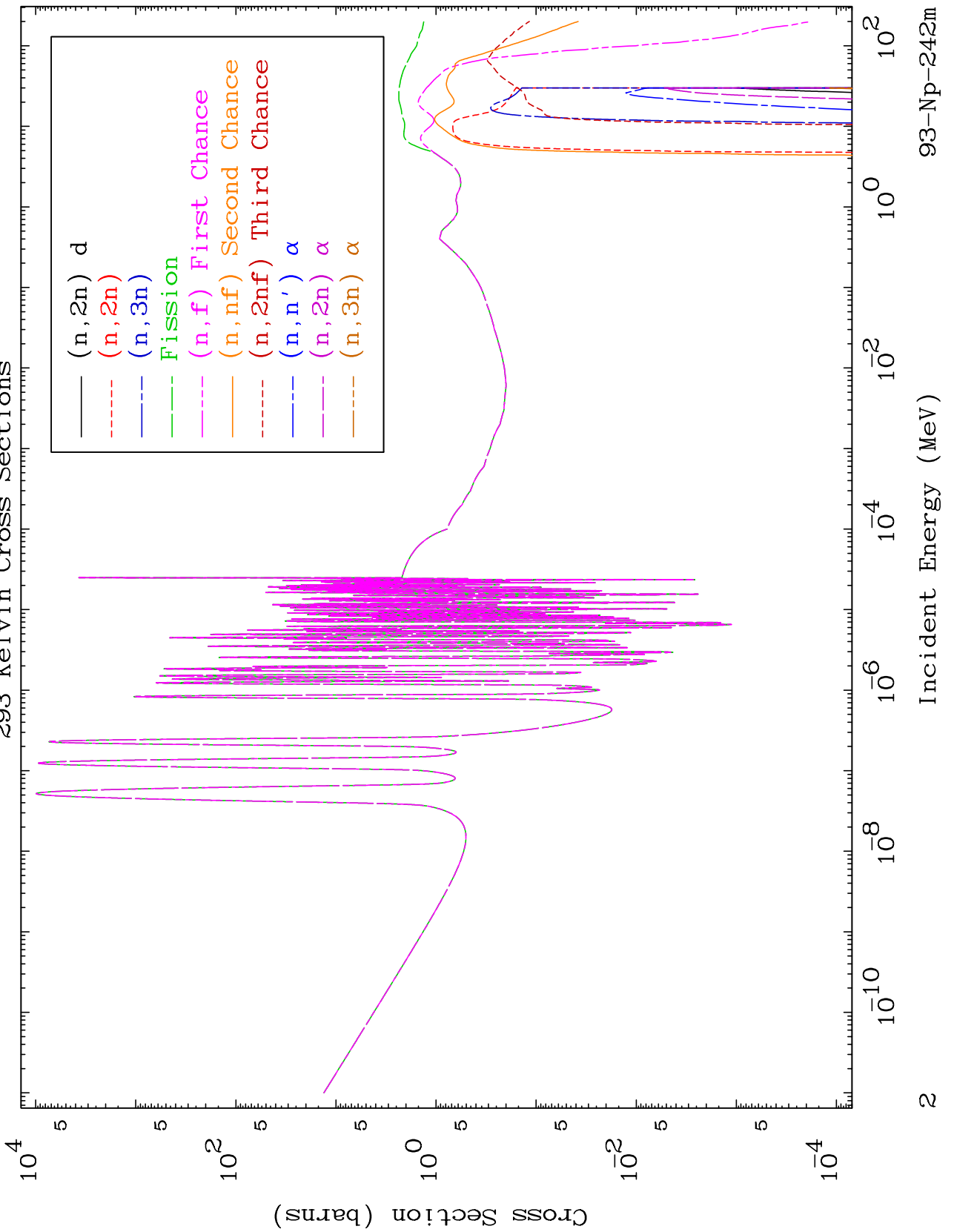
93-Np-242m



MAT 9362

Neutron Absorption
293 Kelvin Cross Sections

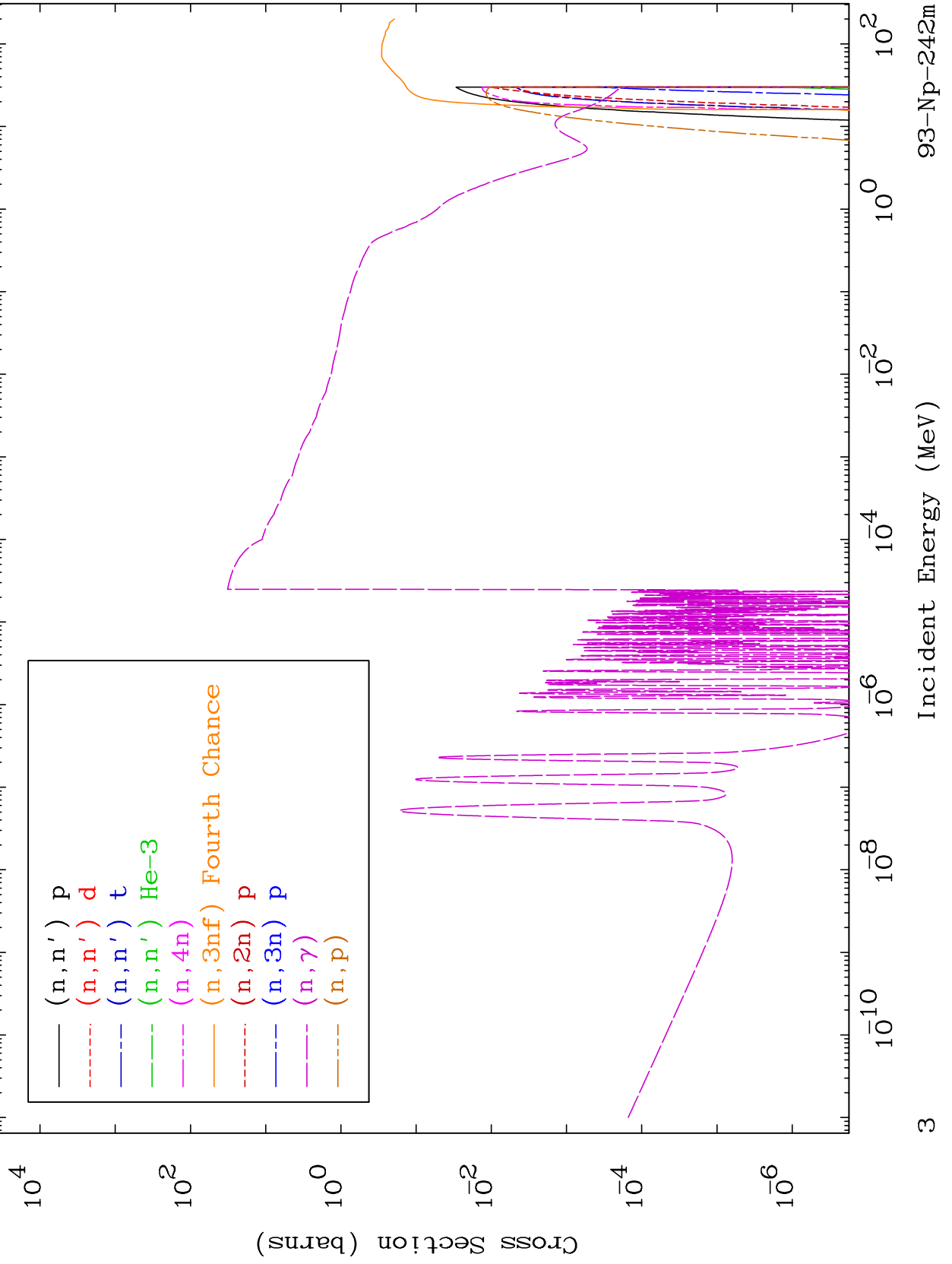
93-Np-242m



MAT 9362

Neutron Absorption
293 Kelvin Cross Sections

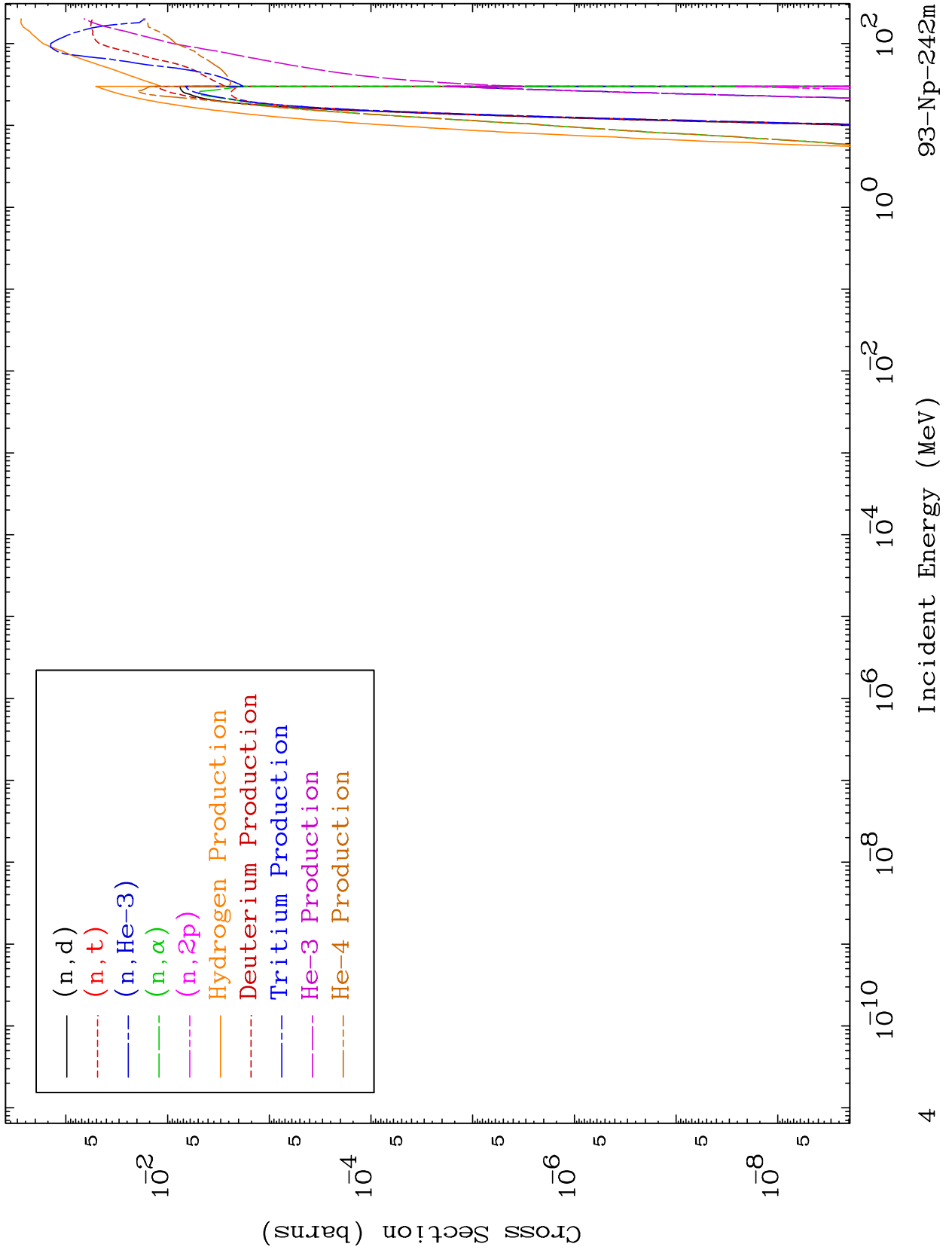
93-Np-242m



MAT 9362

Neutron Absorption
293 Kelvin Cross Sections

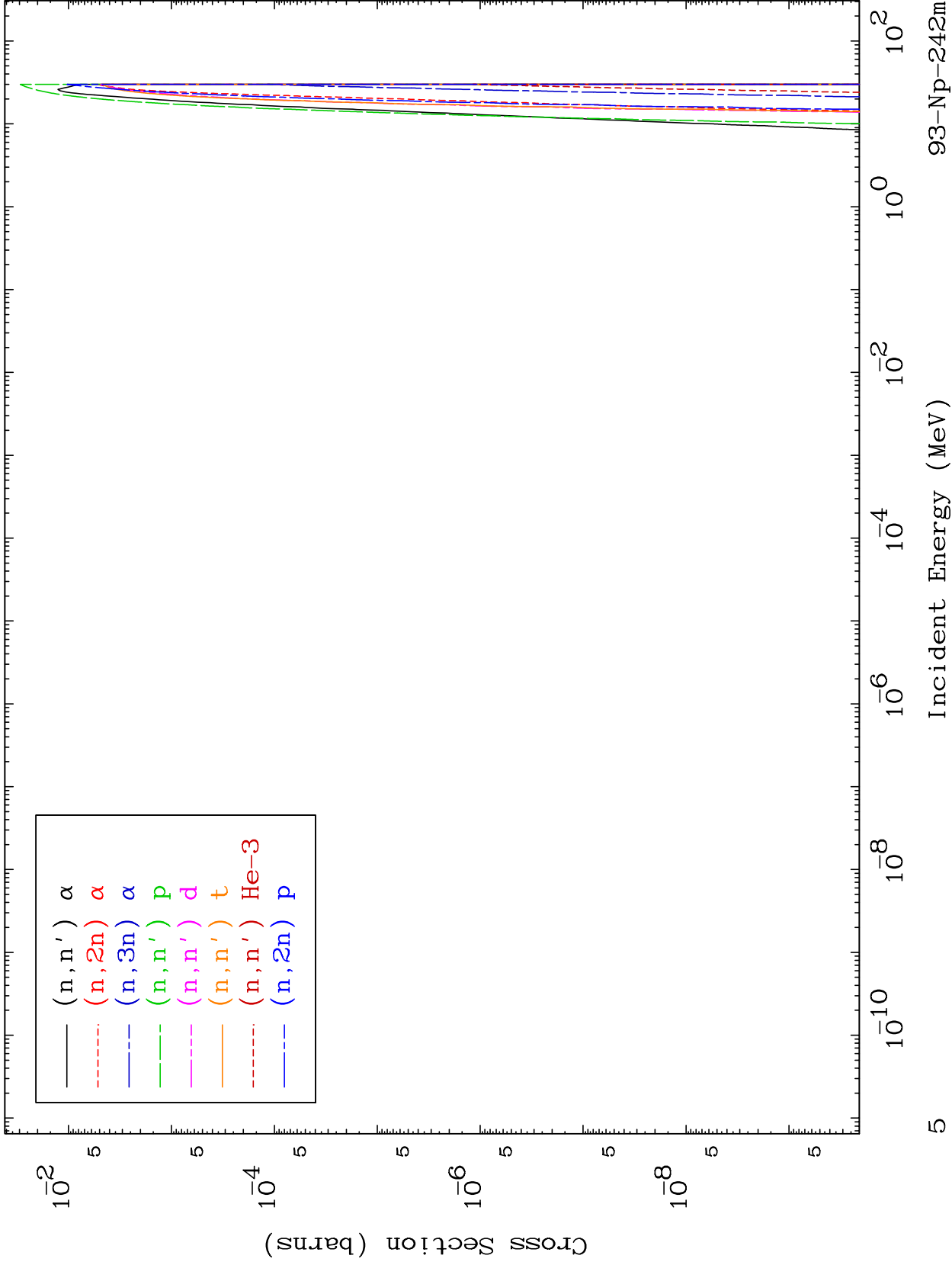
93-Np-242m



MAT 9362

Charged Particle
293 Kelvin Cross Sections

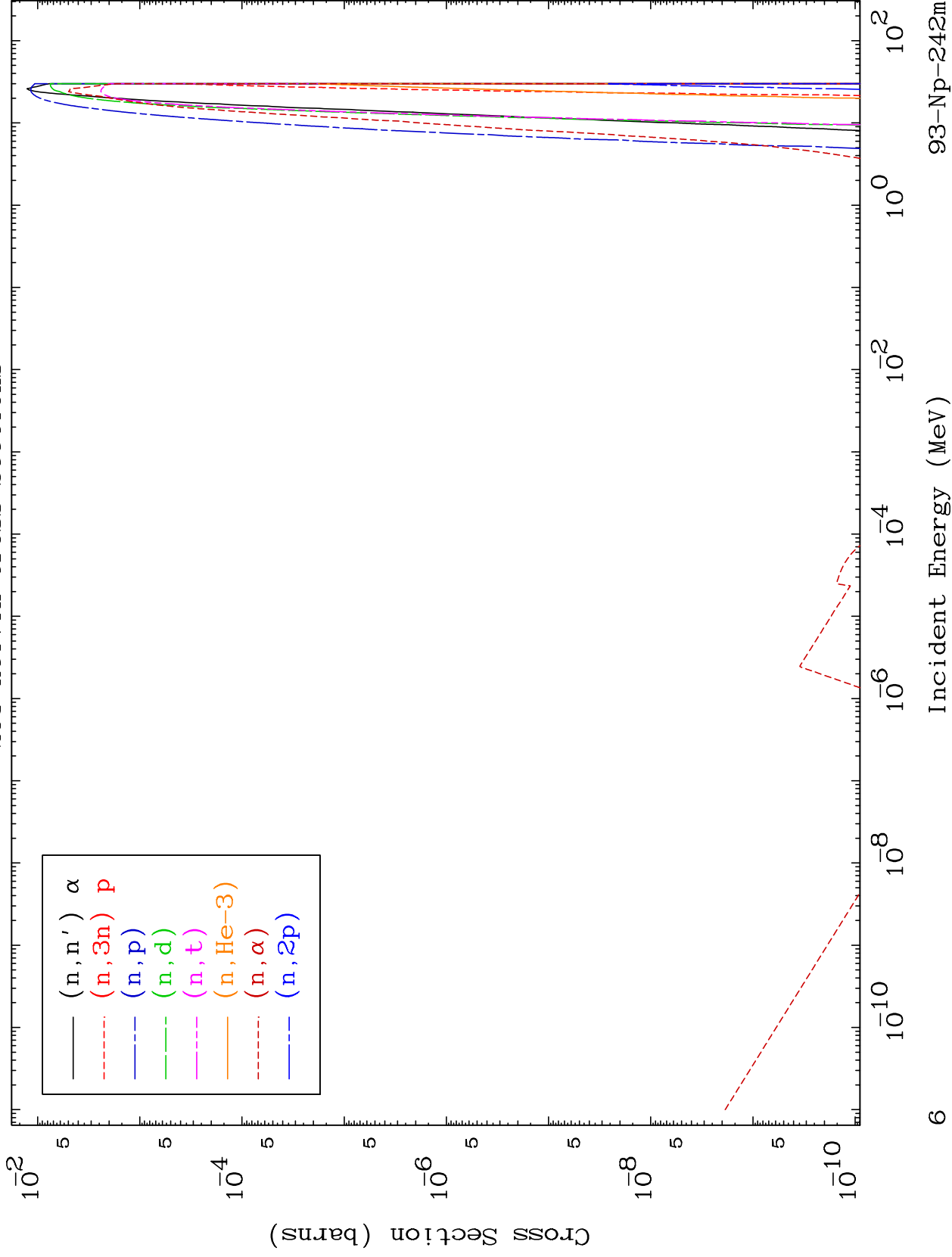
93-Np-242m



MAT 9362

Charged Particle
293 Kelvin Cross Sections

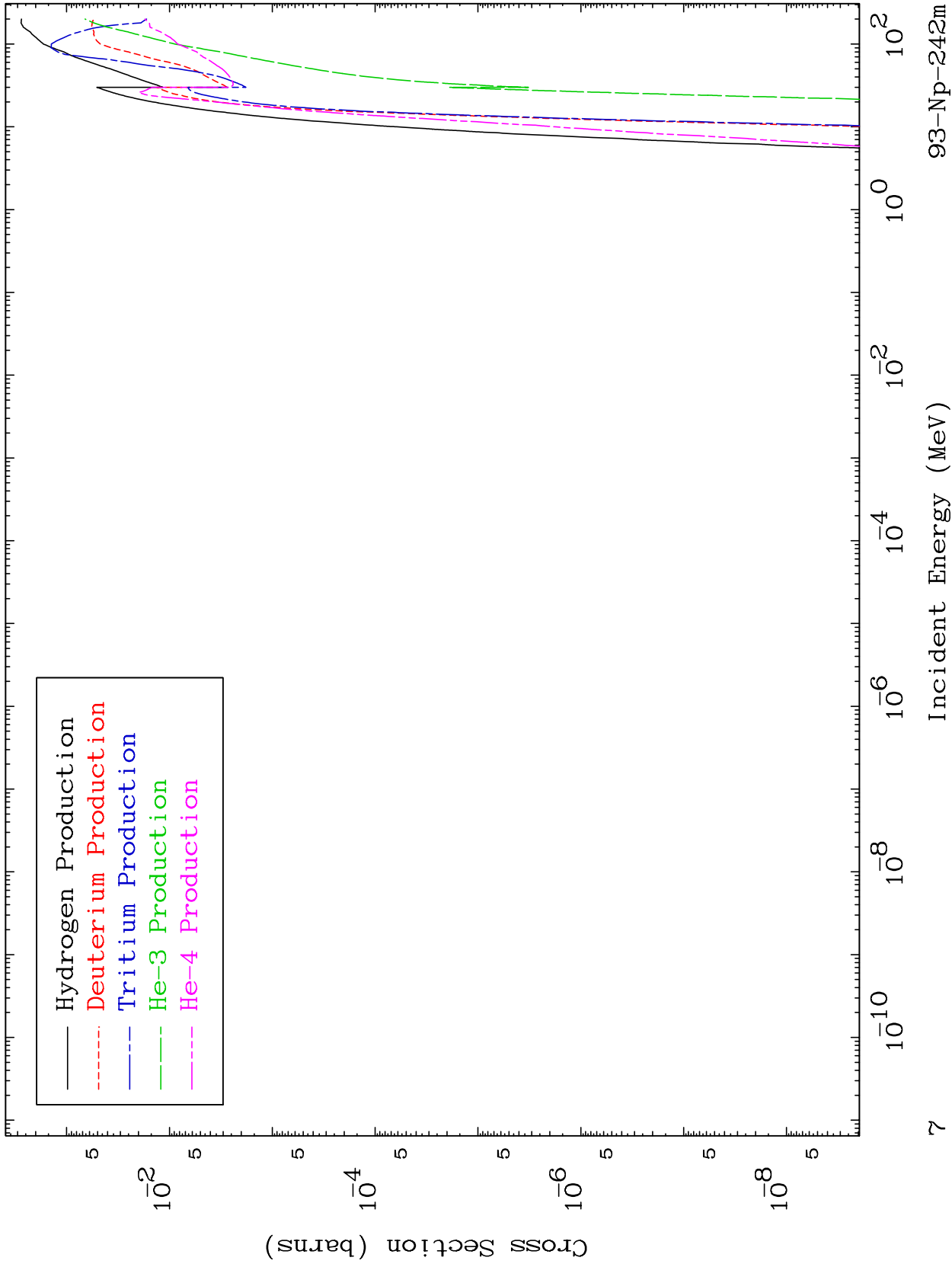
93-Np-242m



MAT 9362

Particle Production
293 Kelvin Cross Sections

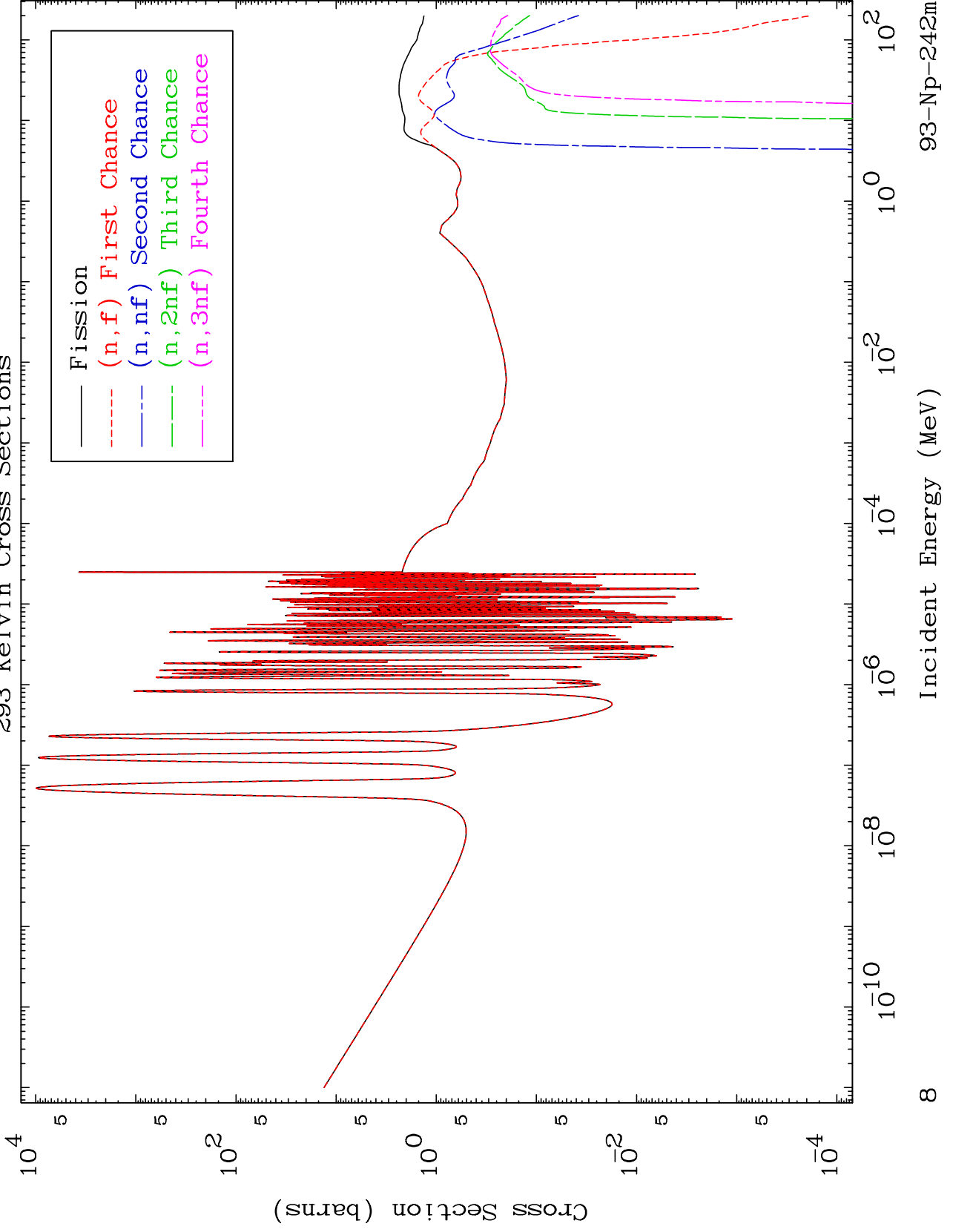
93-Np-242m



MAT 9362

Fission
293 Kelvin Cross Sections

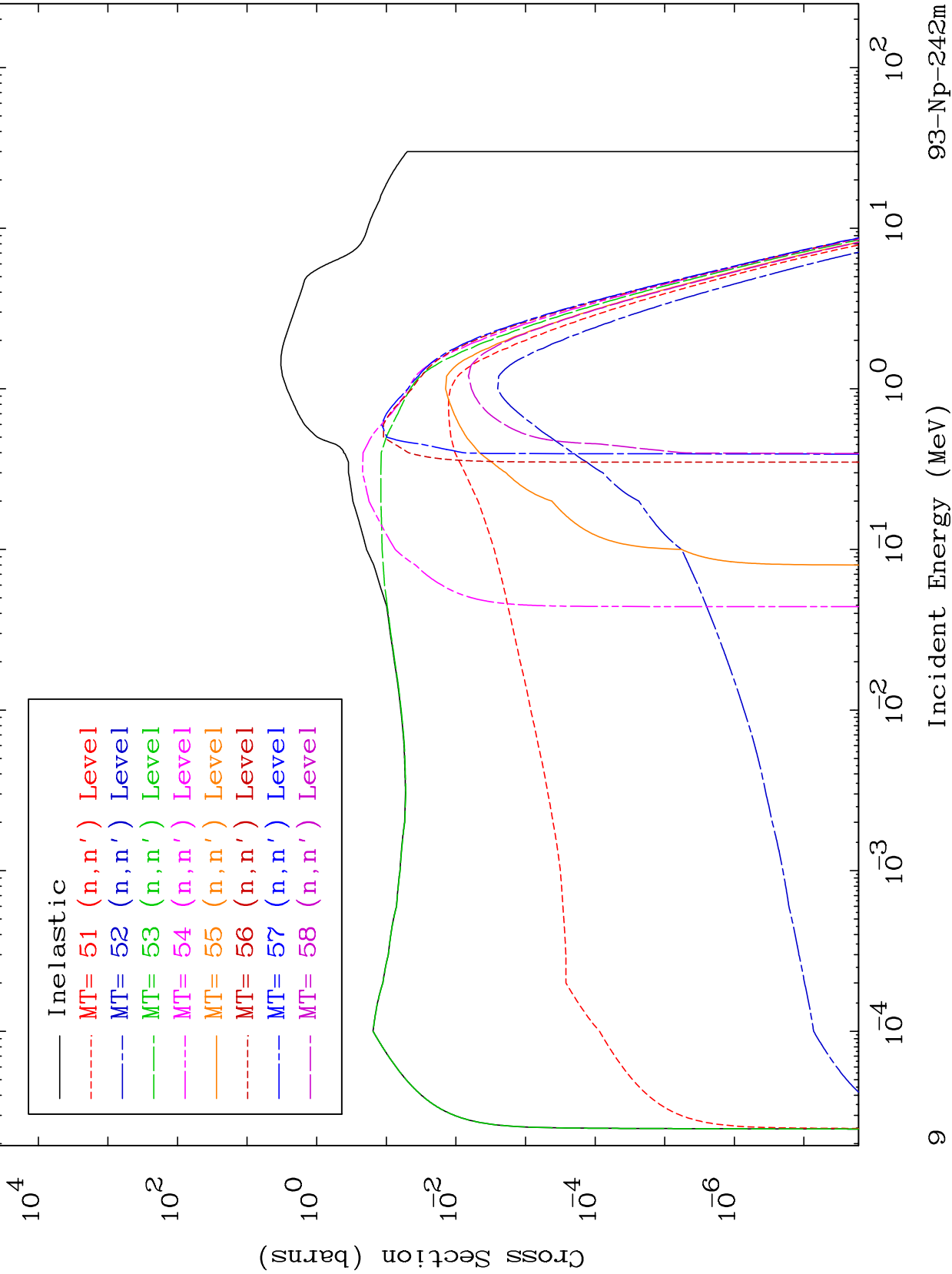
93-Np-242m



MAT 9362

(n,n') Levels
293 Kelvin Cross Sections

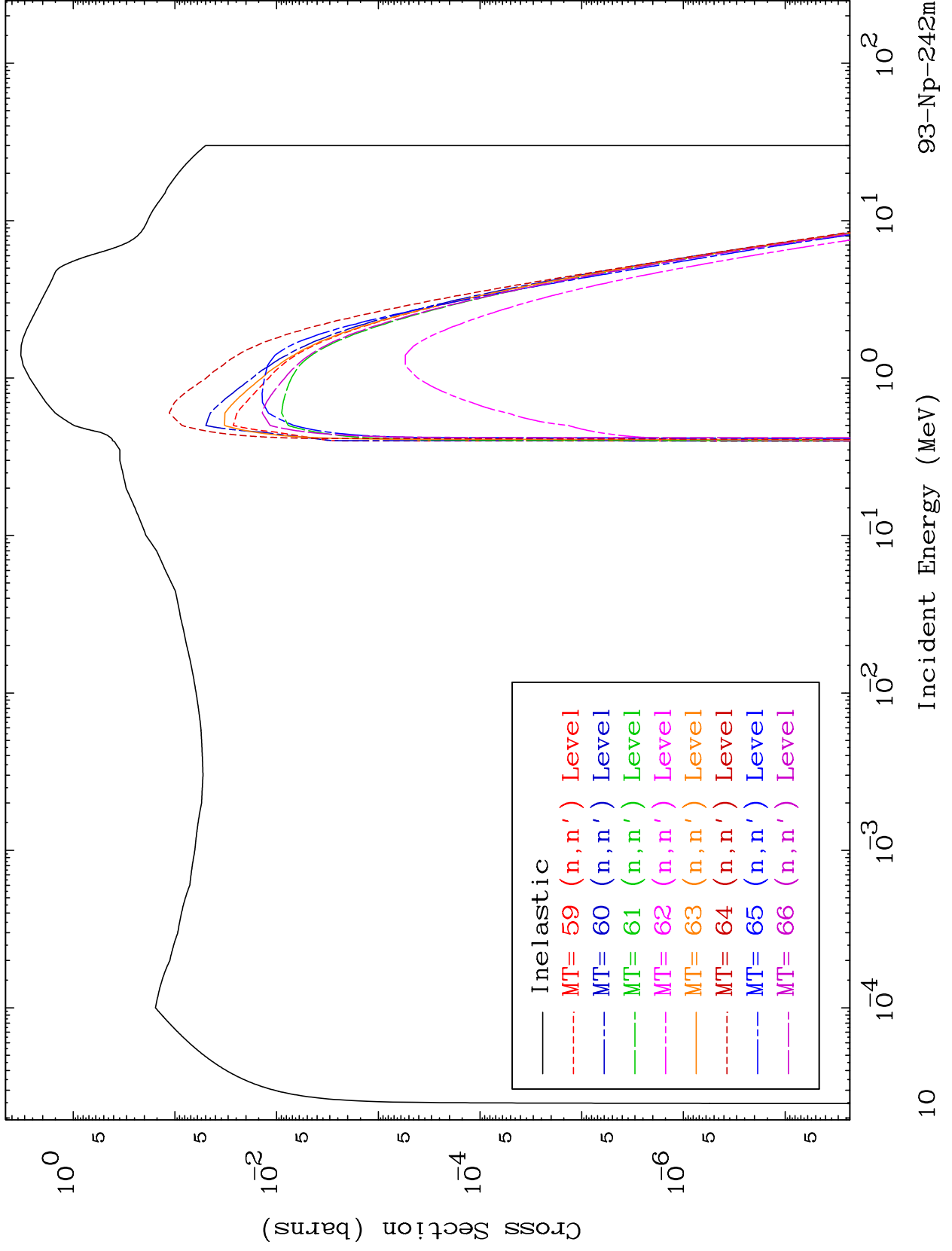
93-Np-242m



MAT 9362

(n,n') Levels
293 Kelvin Cross Sections

93-Np-242m



10

10⁻³

10⁻²

10⁻¹

10⁰

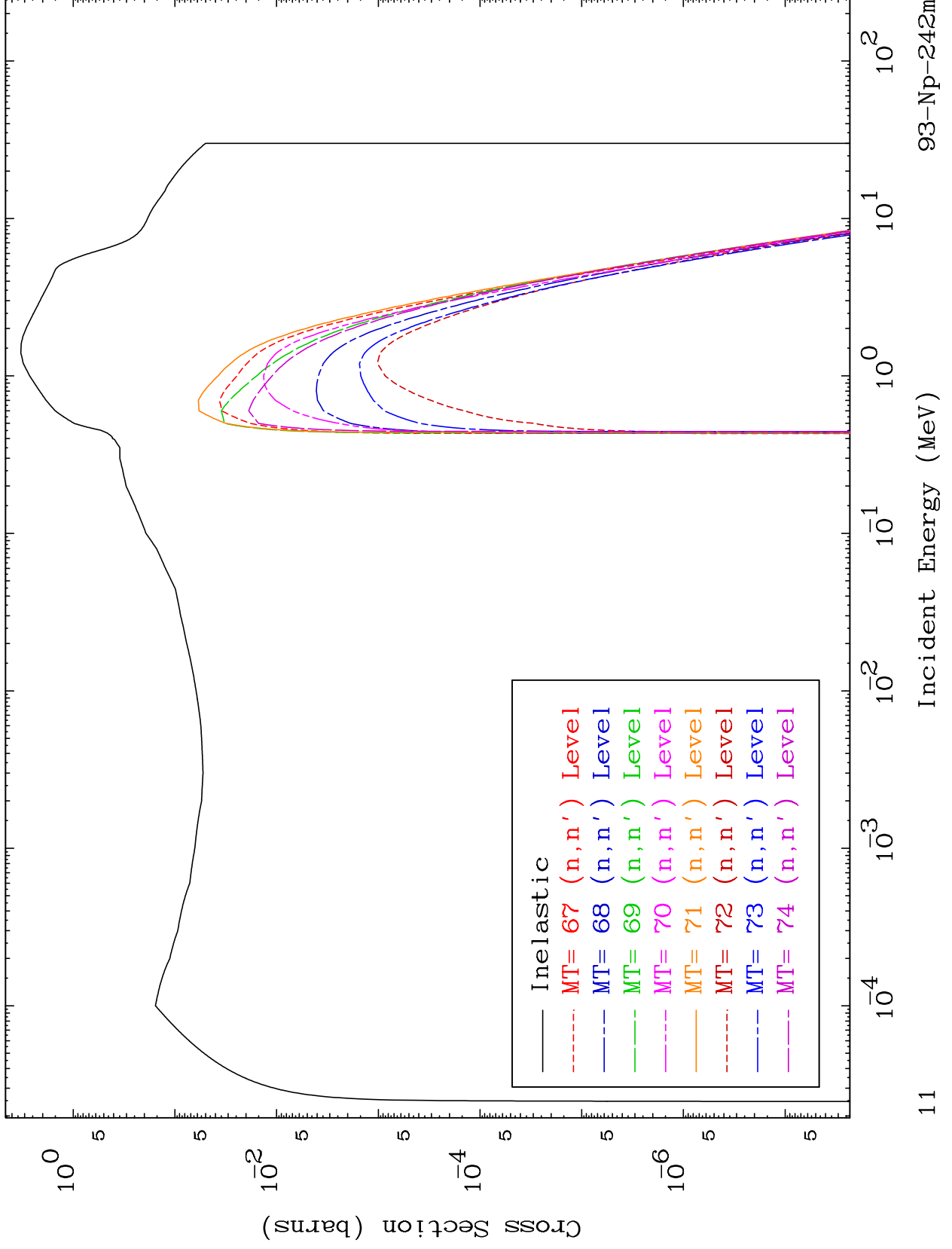
10¹

10²

MAT 9362

(n,n') Levels
293 Kelvin Cross Sections

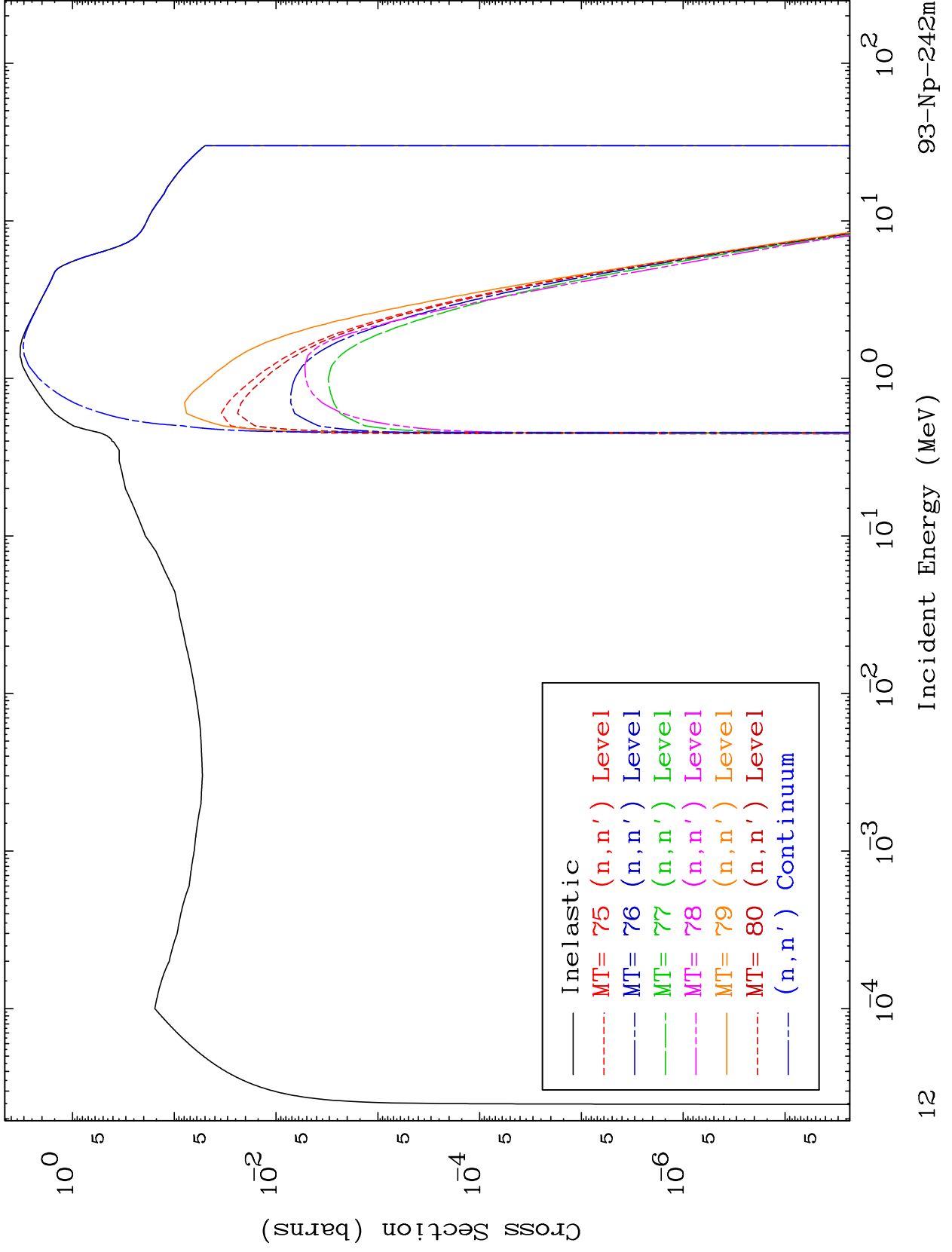
93-Np-242m



MAT 9362

(n,n') Levels
293 Kelvin Cross Sections

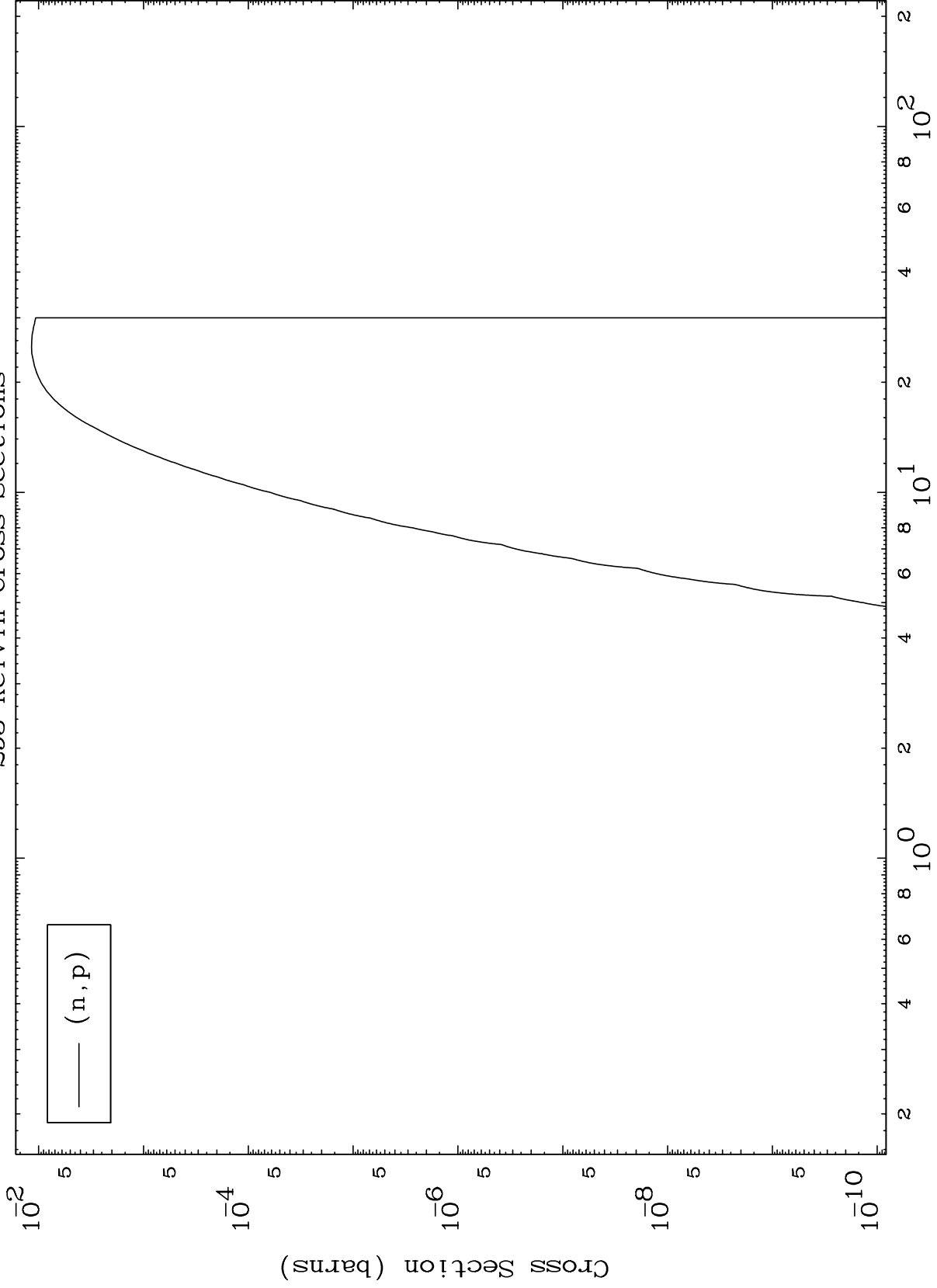
93-Np-242m



MAT 9362

(n,p) Levels
293 Kelvin Cross Sections

93-Np-242m



13

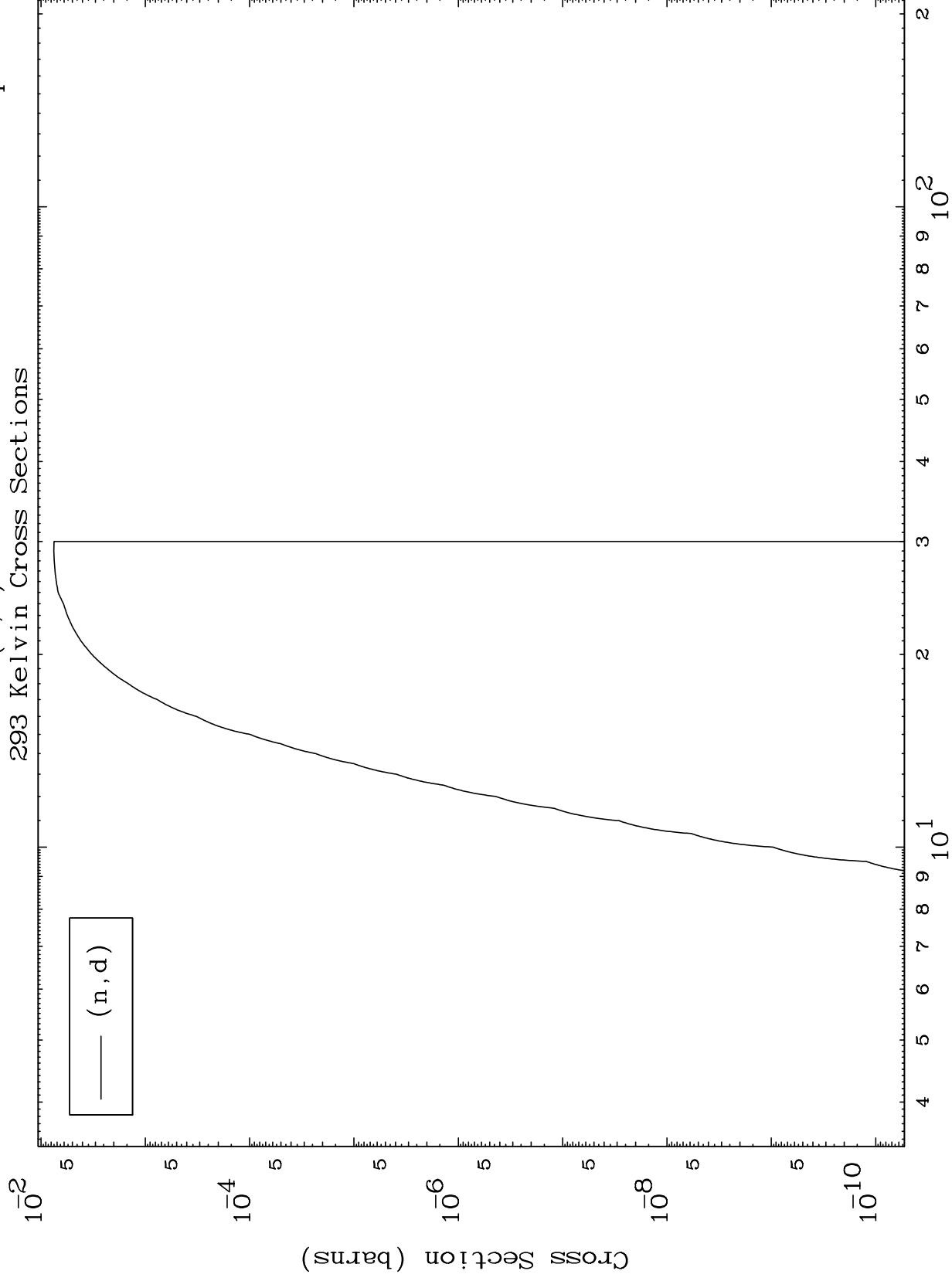
Incident Energy (MeV)

93-Np-242m

MAT 9362

(n,d) Levels
293 Kelvin Cross Sections

93-Np-242m



14

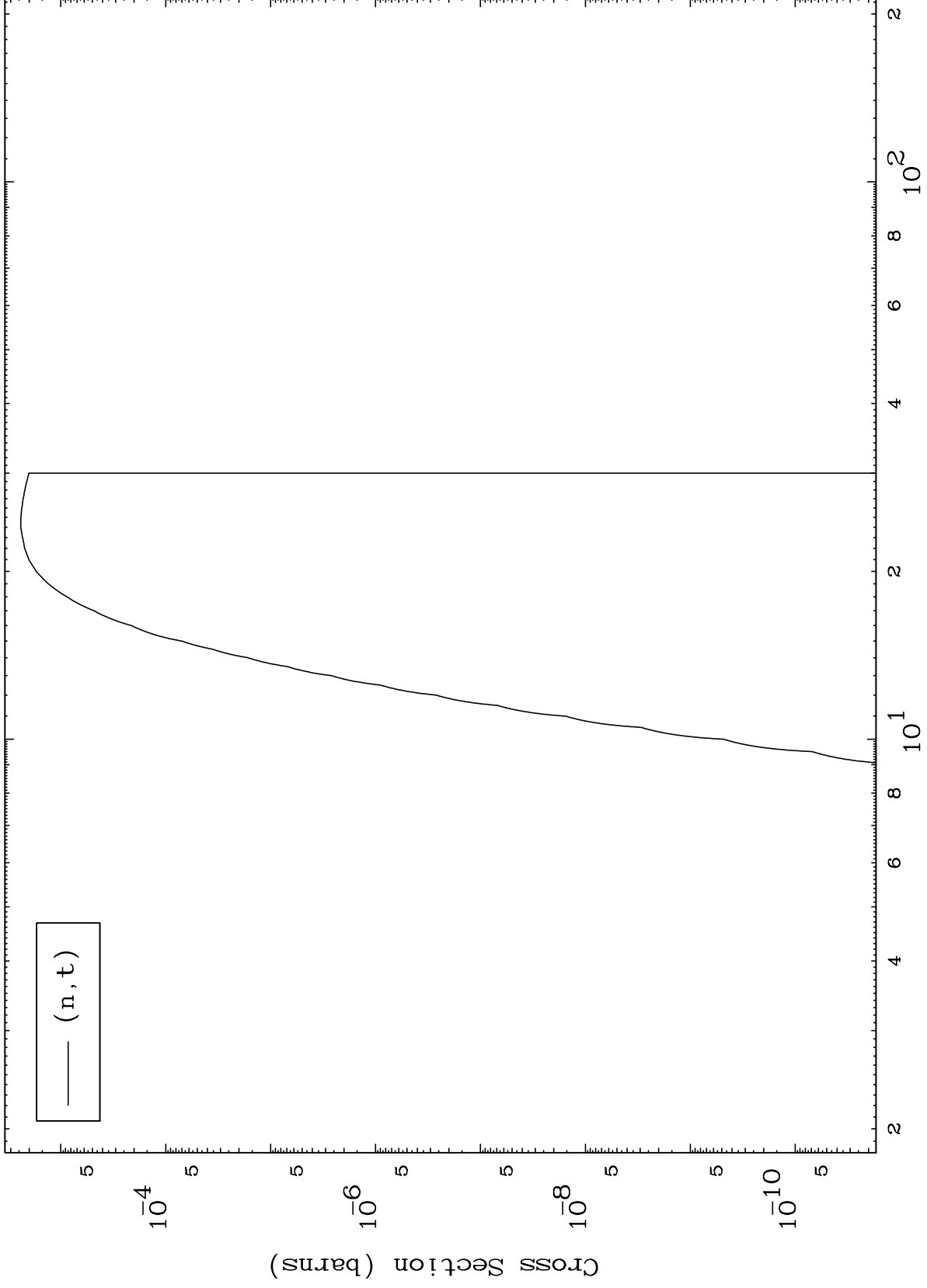
Incident Energy (MeV)

93-Np-242m

MAT 9362

(n,t) Levels
293 Kelvin Cross Sections

93-Np-242m



15

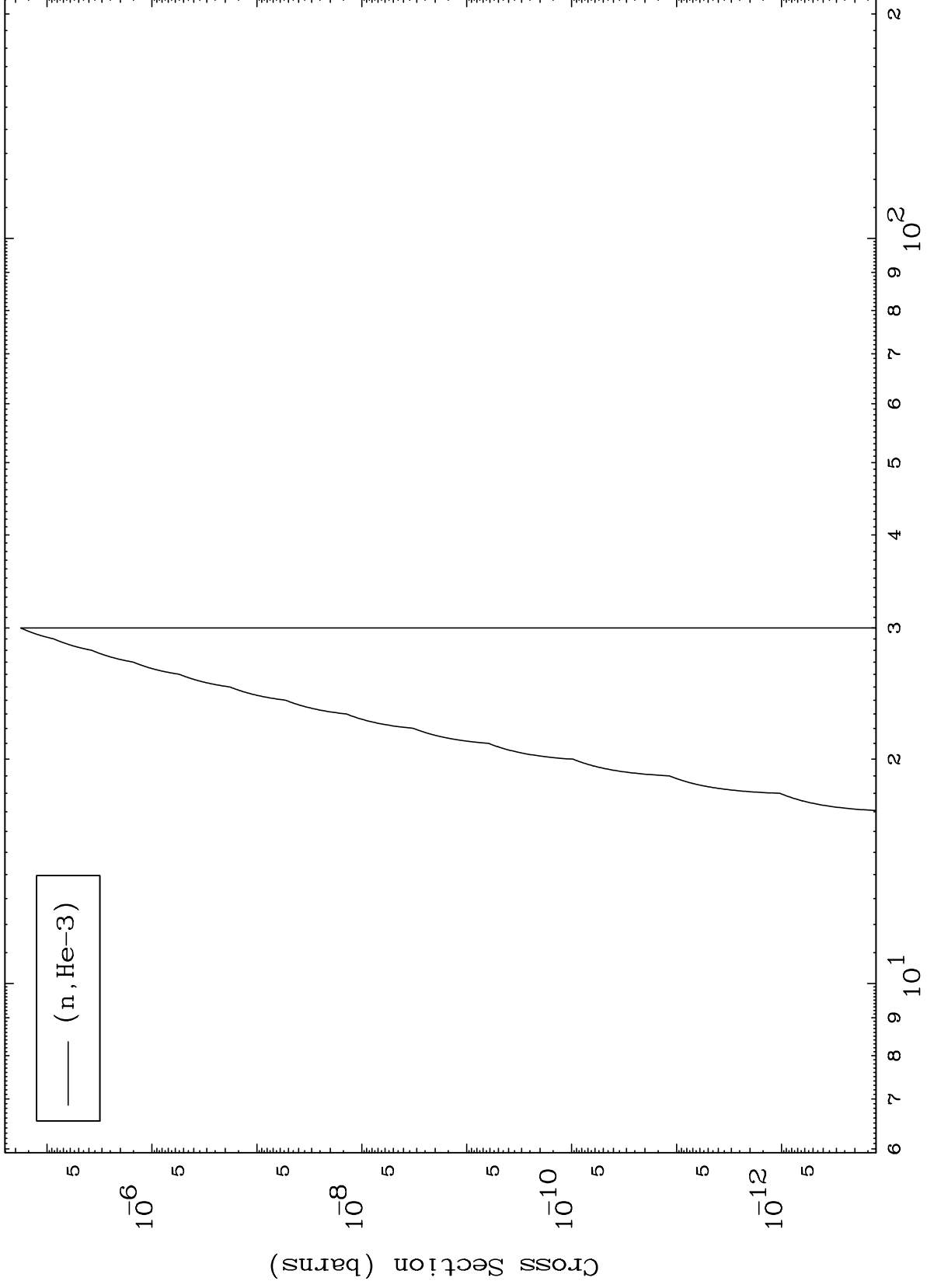
Incident Energy (MeV)

93-Np-242m

MAT 9362

(n,He3) Levels
293 Kelvin Cross Sections

93-Np-242m



16

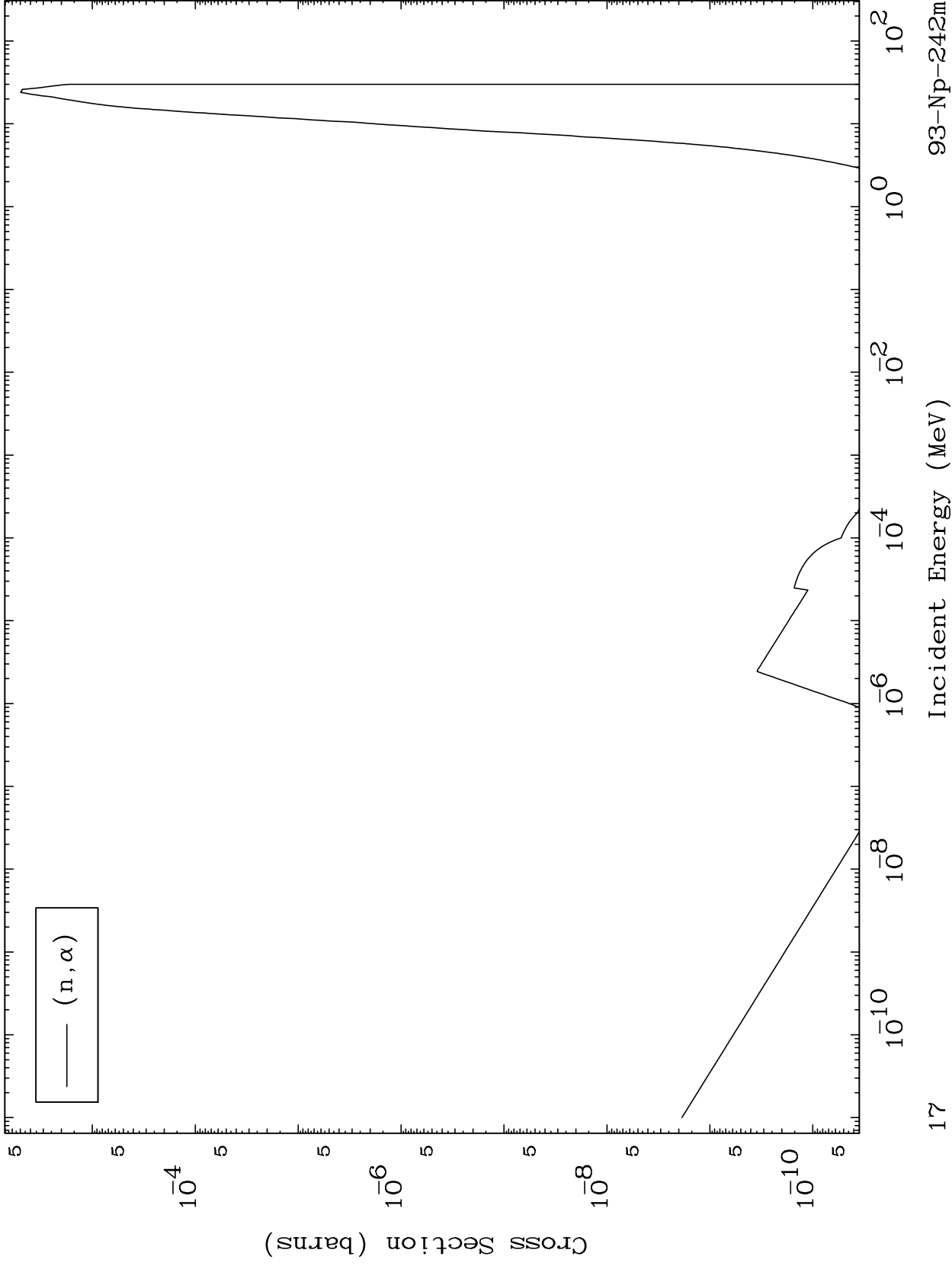
Incident Energy (MeV)

93-Np-242m

MAT 9362

(n, α) Levels
293 Kelvin Cross Sections

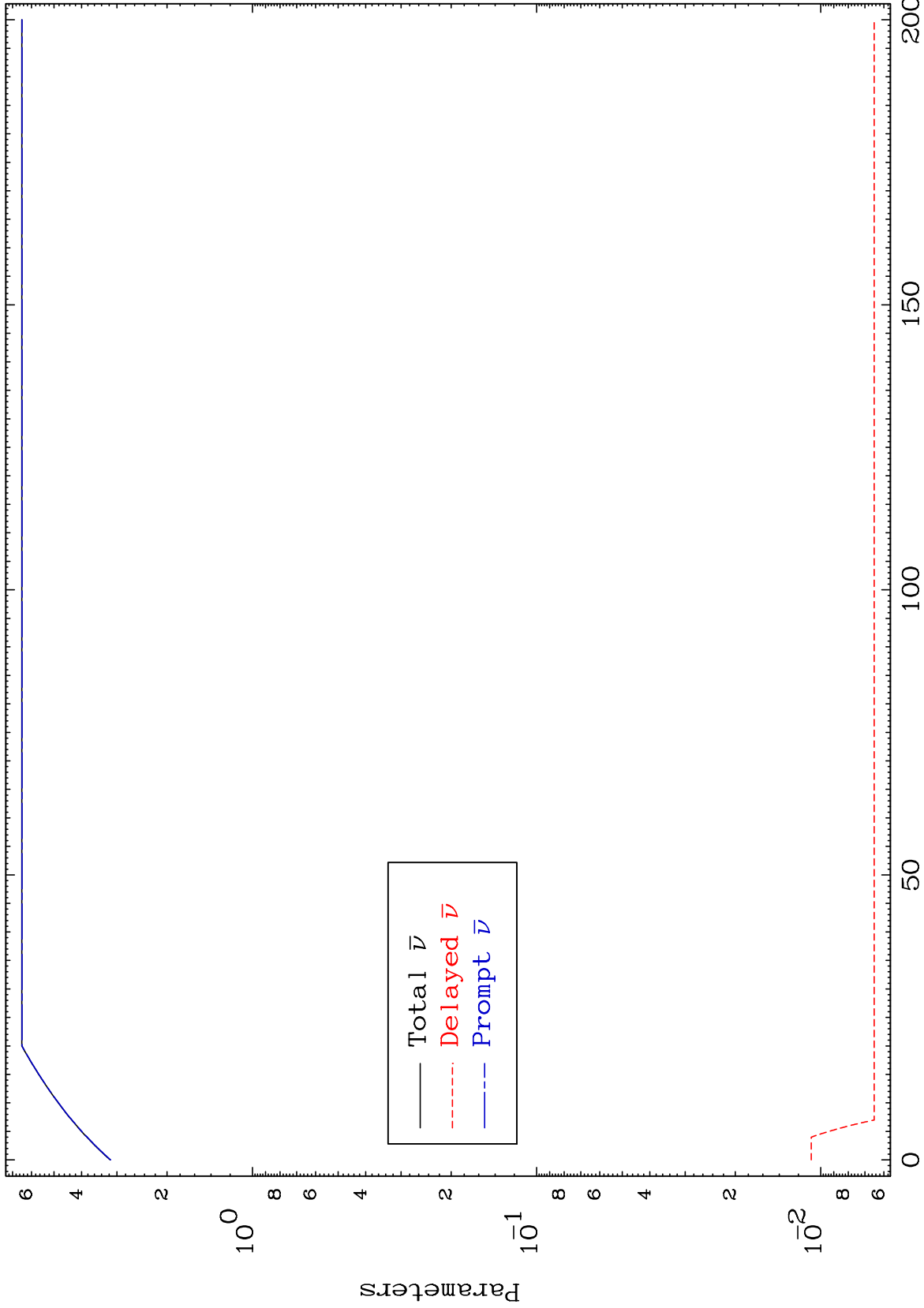
93-Np-242m



MAT 9362

Energy Release
Parameters

93-Np-242m



18

Incident Energy (MeV)

93-Np-242m

MAT 9362

Elastic Legendre Coefficients

93-Np-242m



93-Np-242m

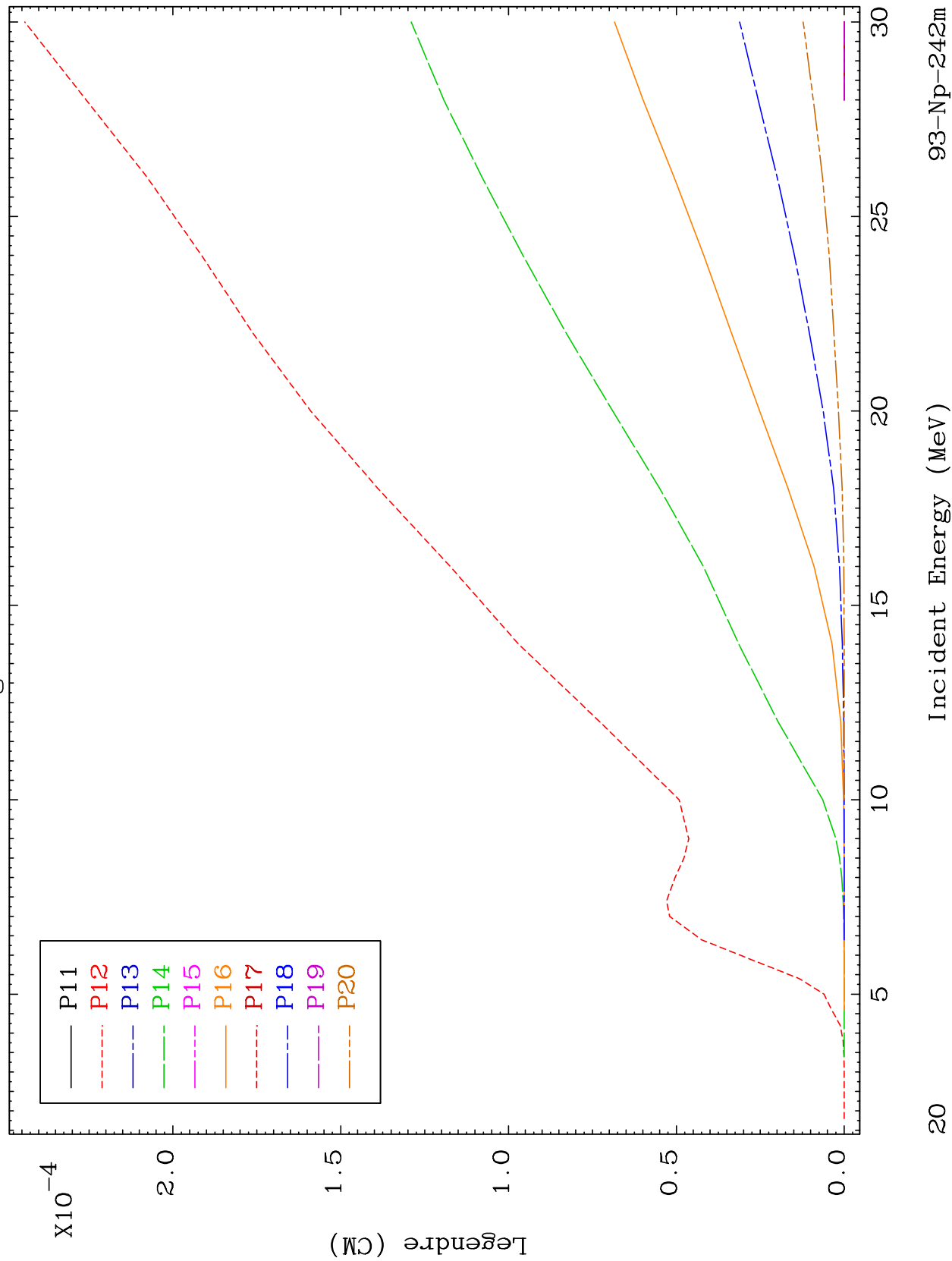
Incident Energy (MeV)

19

MAT 9362

Elastic Legendre Coefficients

93-Np-242m

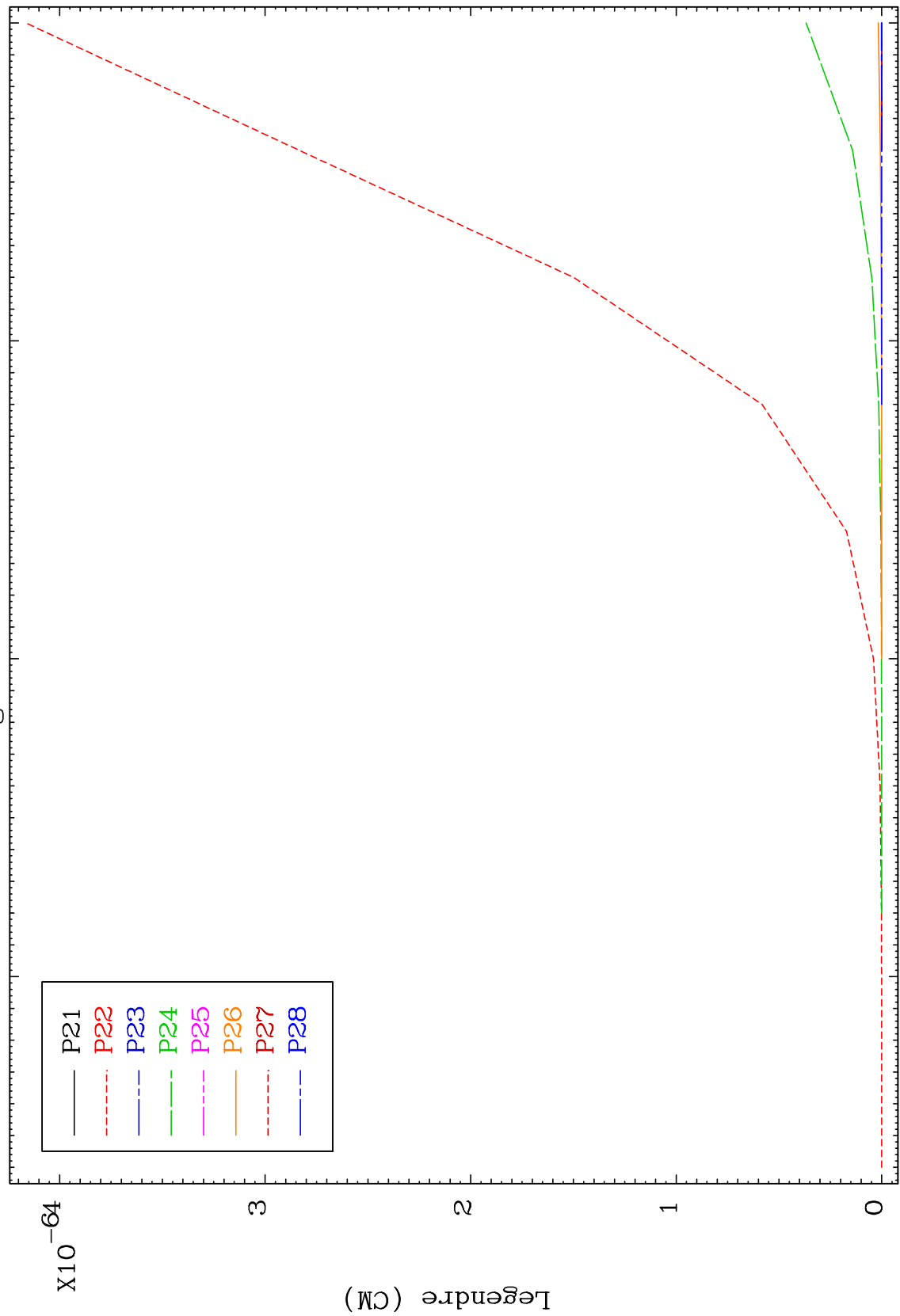


- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18
- P19
- P20

MAT 9362

Elastic Legendre Coefficients

93-Np-242m



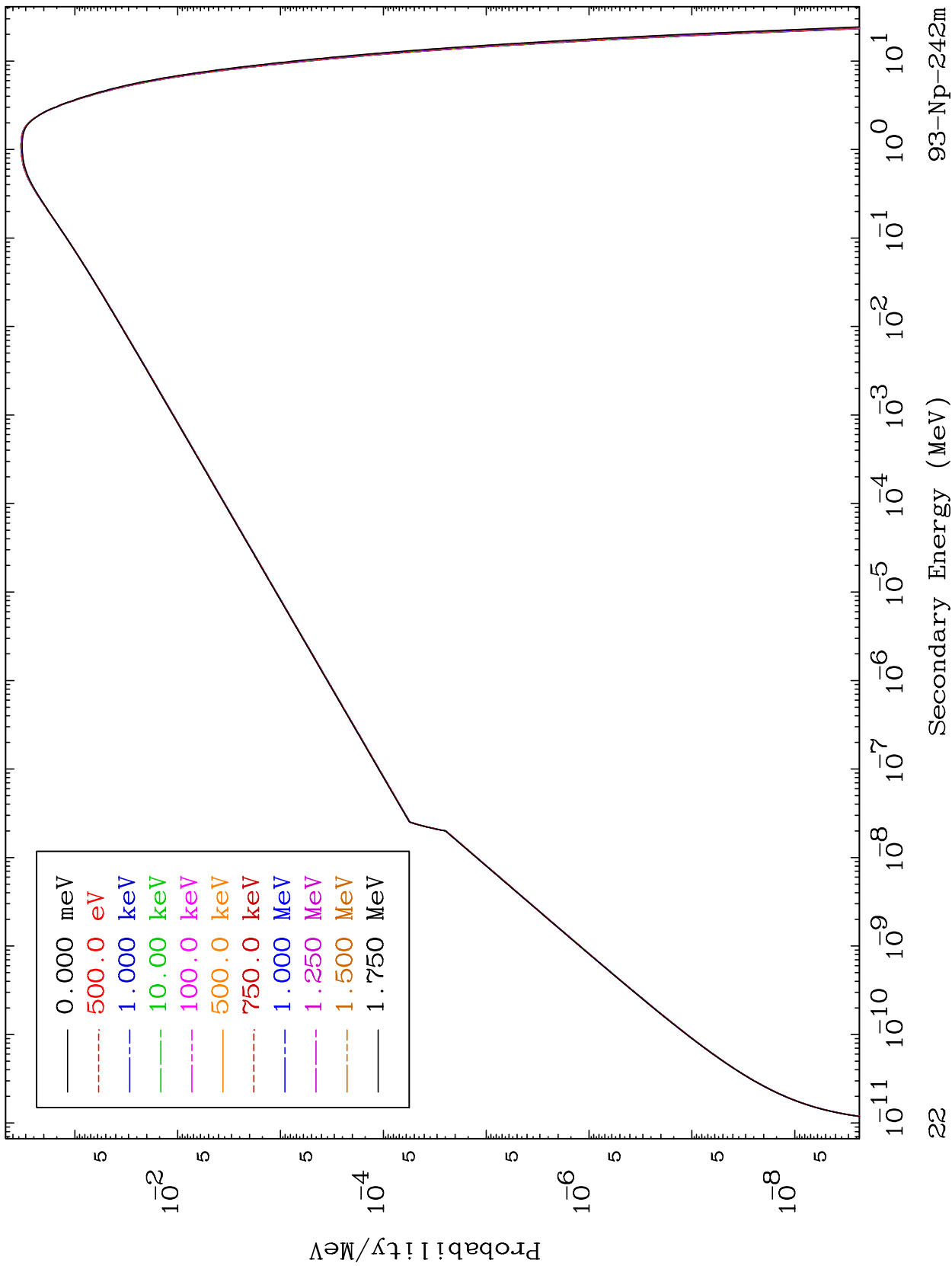
21

93-Np-242m

MAT 9362

Fission Energy Distributions

93-Np-242m



- 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-242m

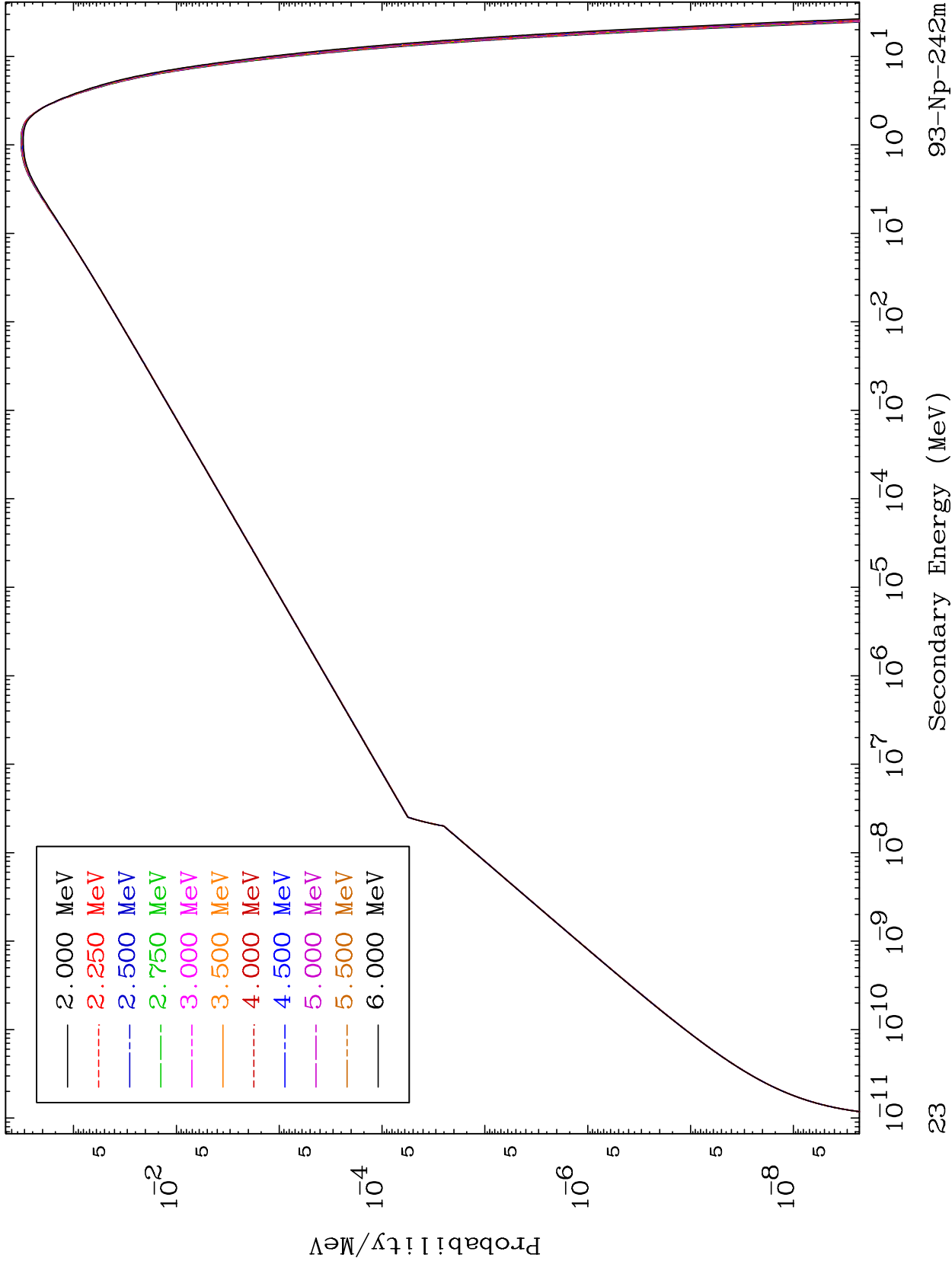
Secondary Energy (MeV)

22

MAT 9362

Fission Energy Distributions

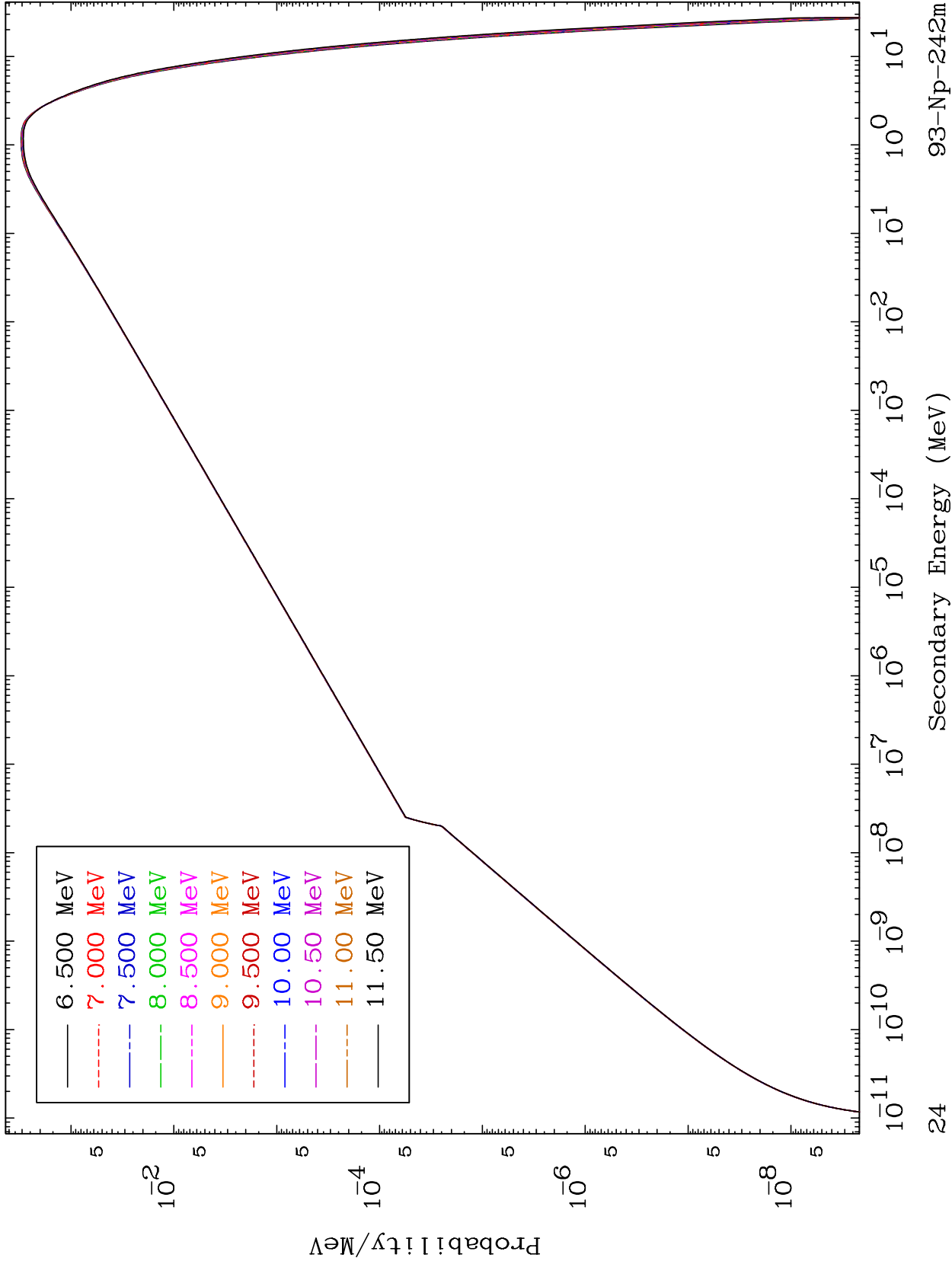
93-Np-242m



MAT 9362

Fission Energy Distributions

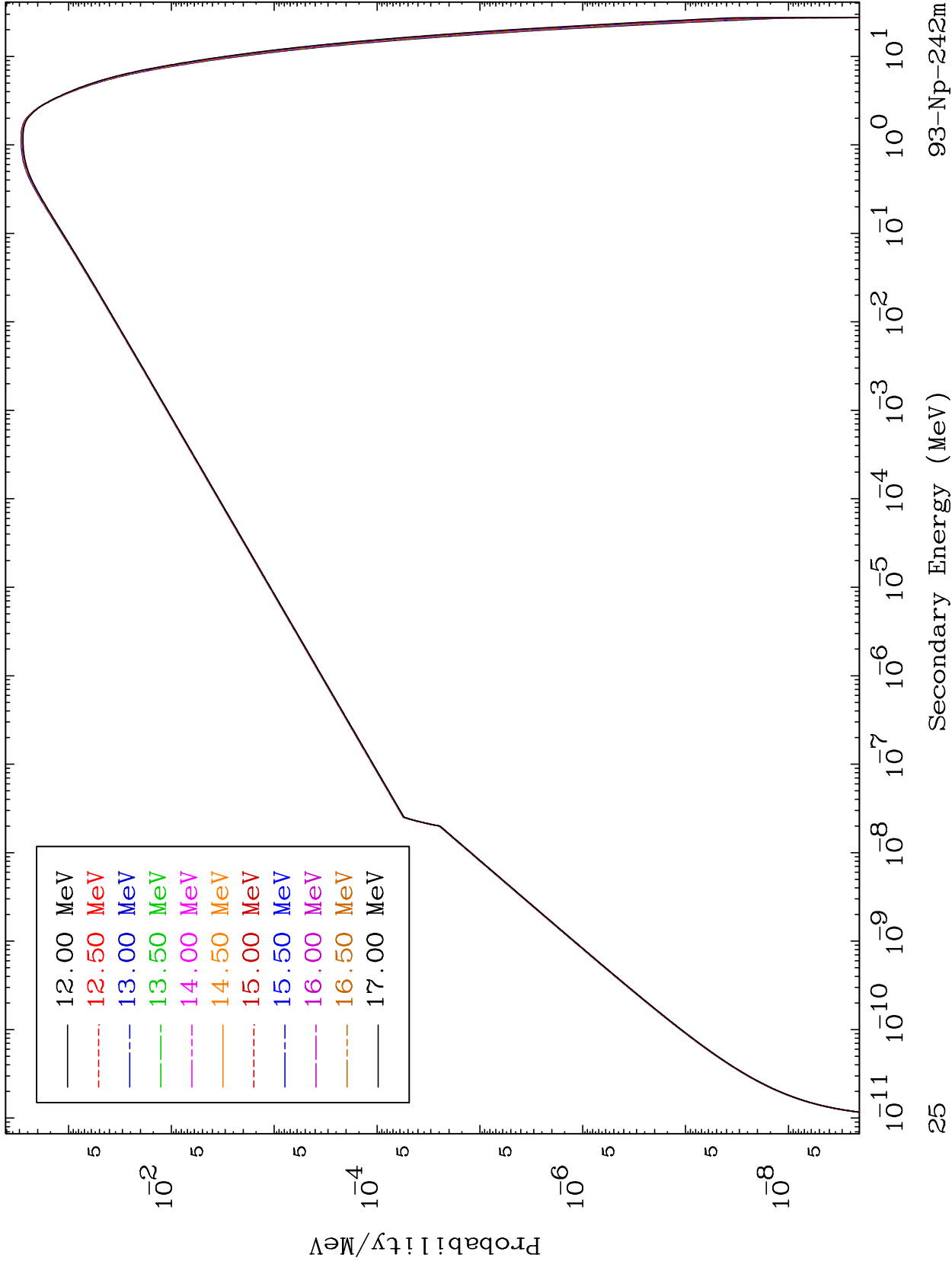
93-Np-242m



MAT 9362

Fission Energy Distributions

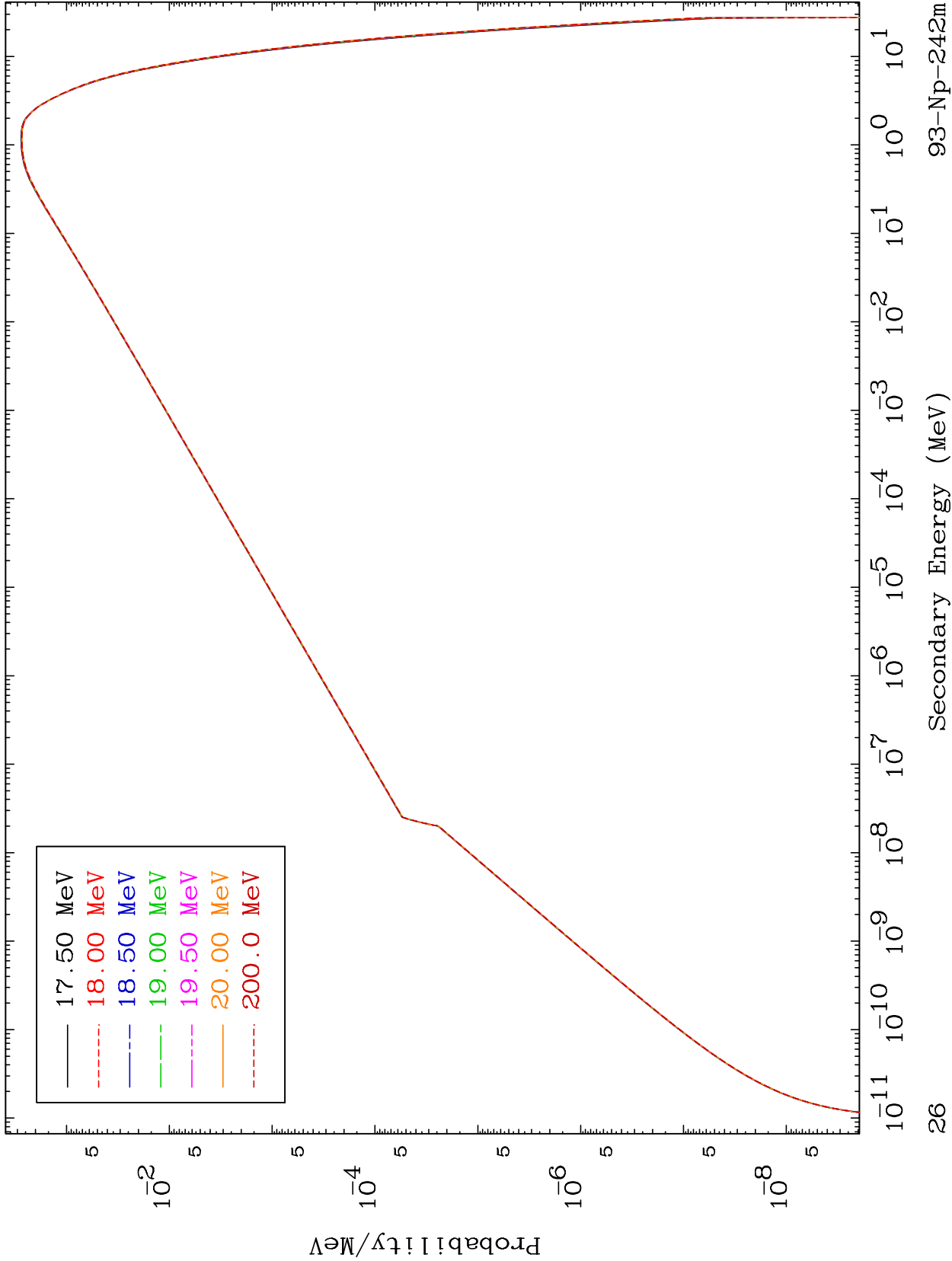
93-Np-242m



MAT 9362

Fission Energy Distributions

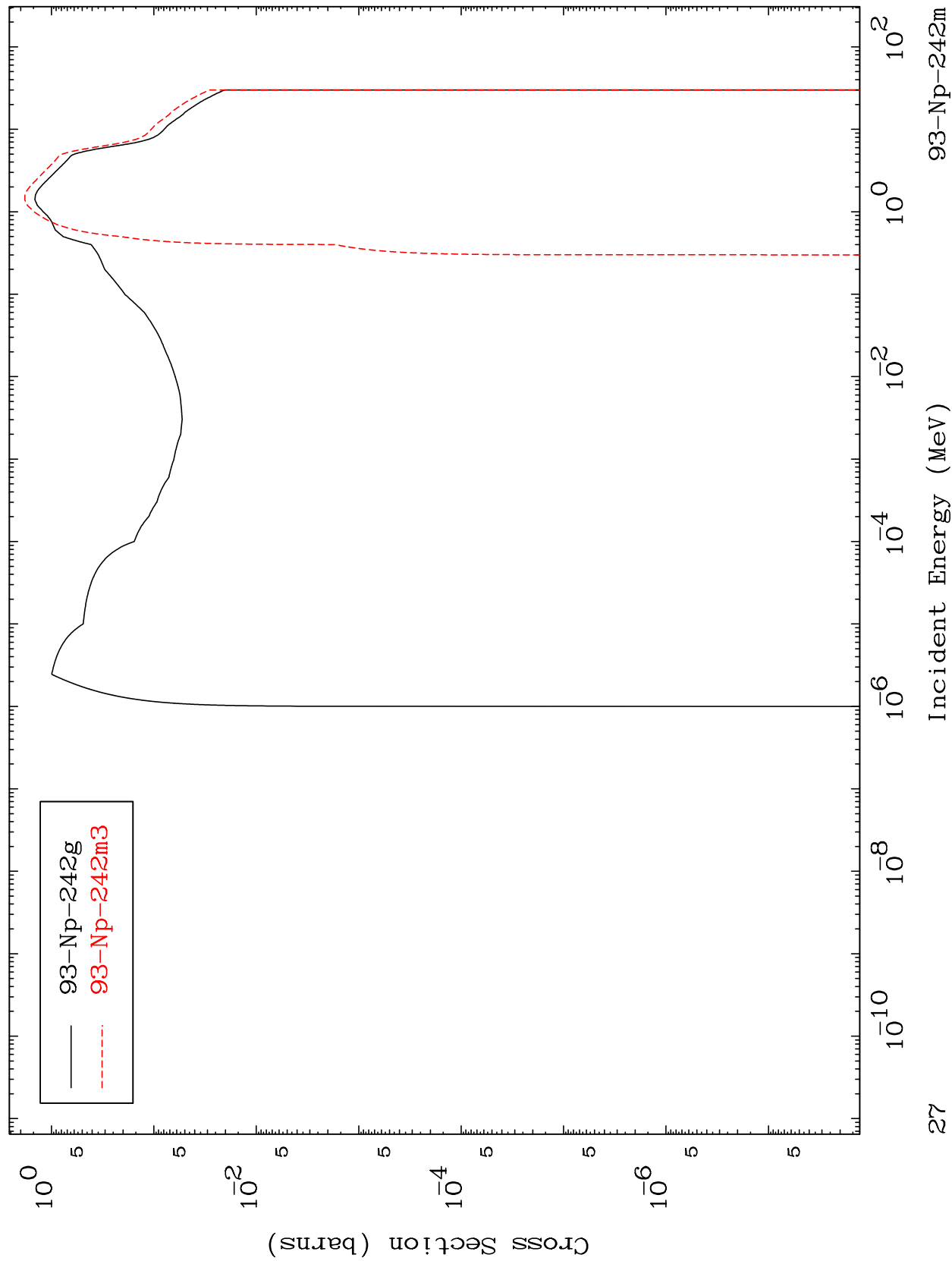
93-Np-242m



MAT 9362

93-Np-242m

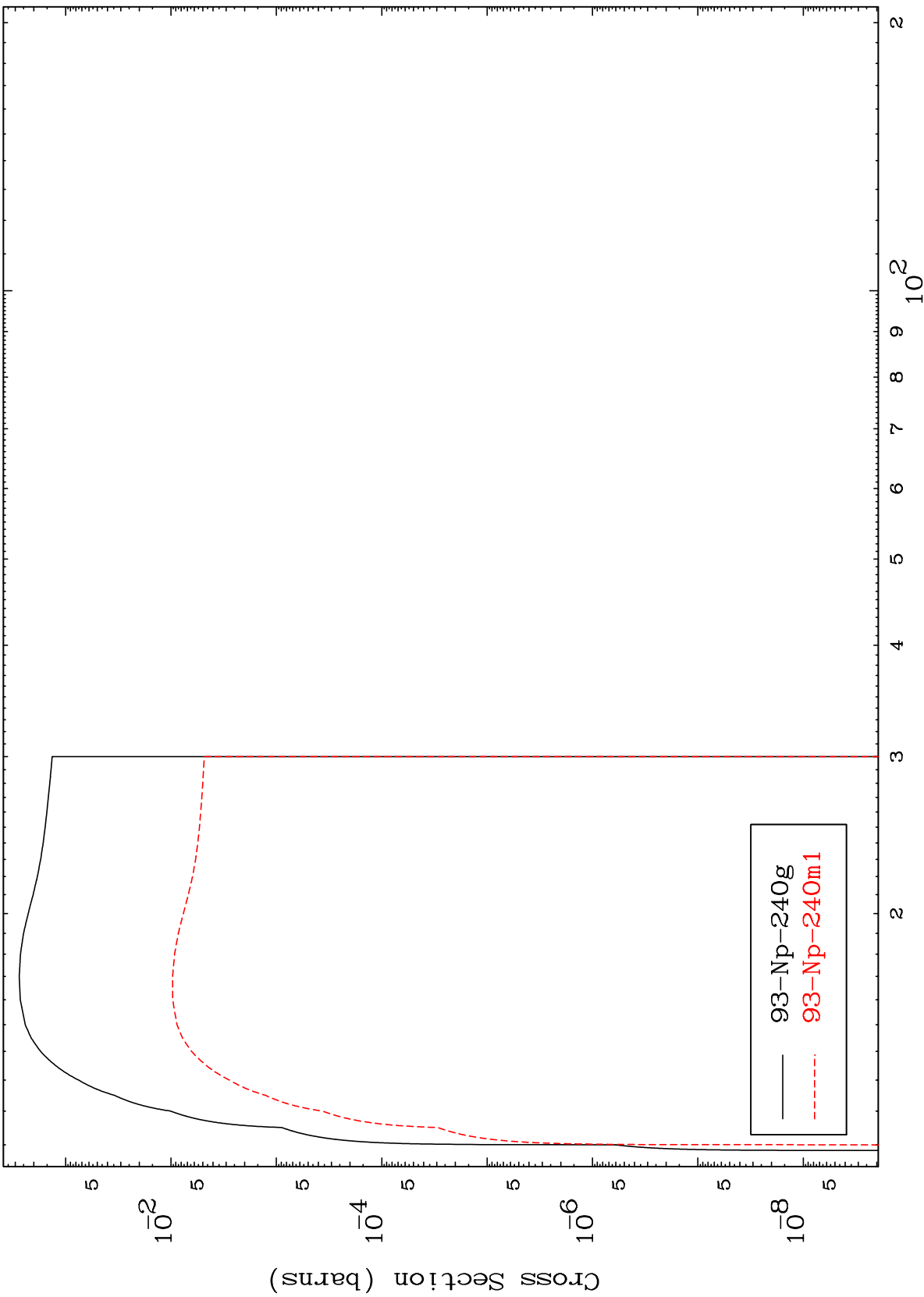
Inelastic
Radionuclide Production Cross Section



MAT 9362

93-Np-242m

Radionuclide Production Cross Section
(n,3n)



28

93-Np-242m