

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

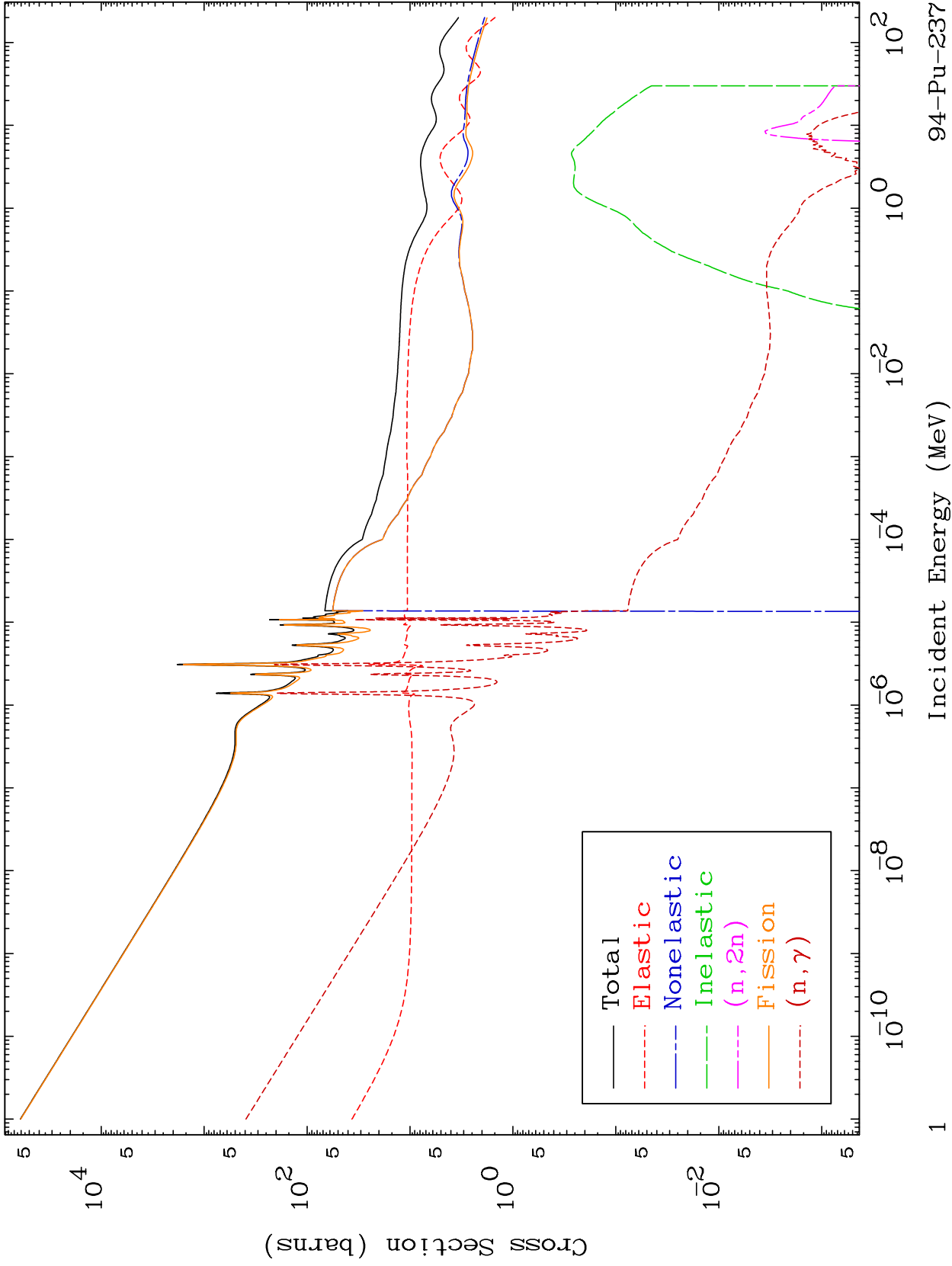
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9431

Neutron Major  
293 Kelvin Cross Sections

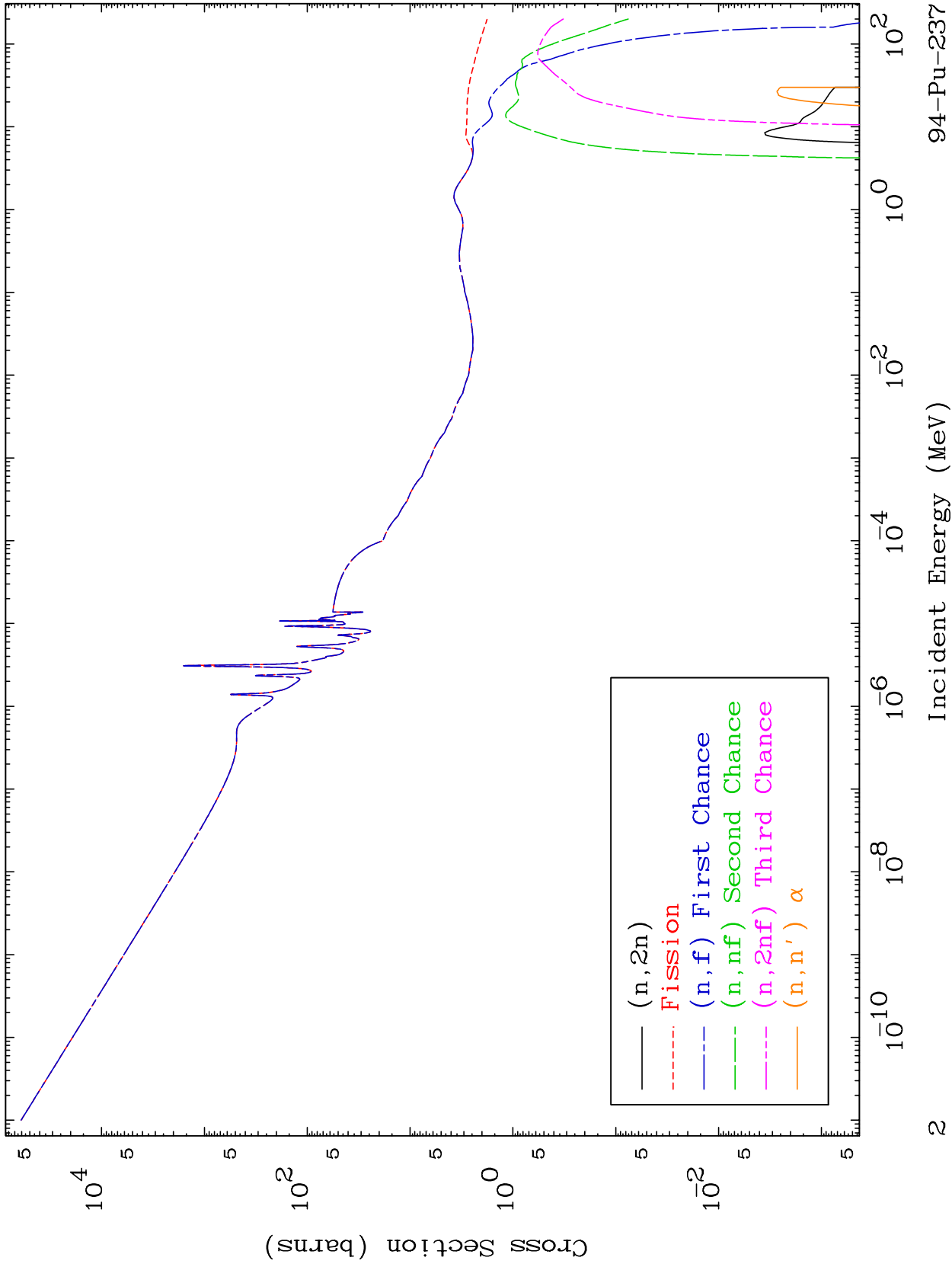
94-Pu-237



MAT 9431

Neutron Absorption  
293 Kelvin Cross Sections

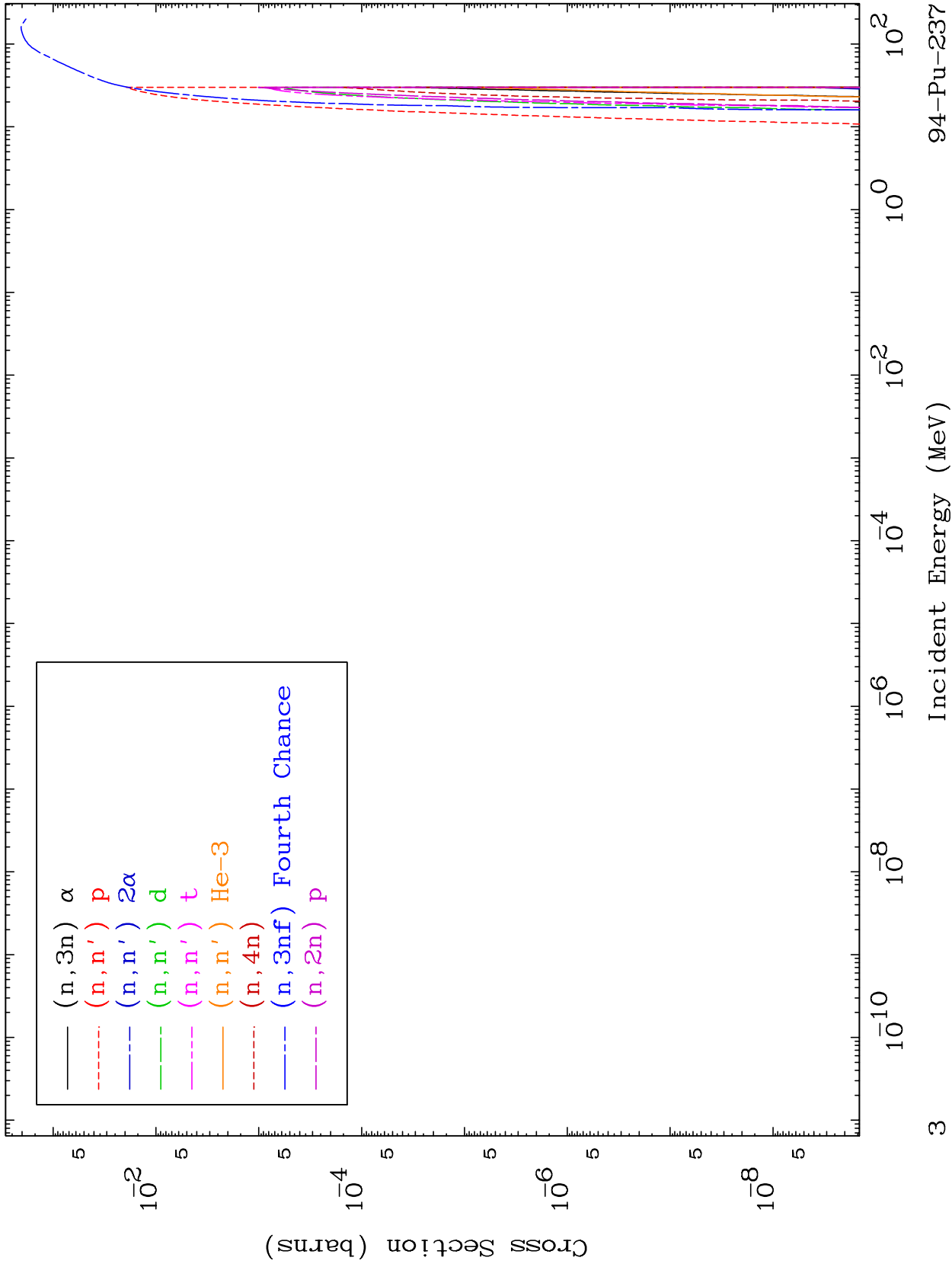
94-Pu-237



MAT 9431

Neutron Absorption  
293 Kelvin Cross Sections

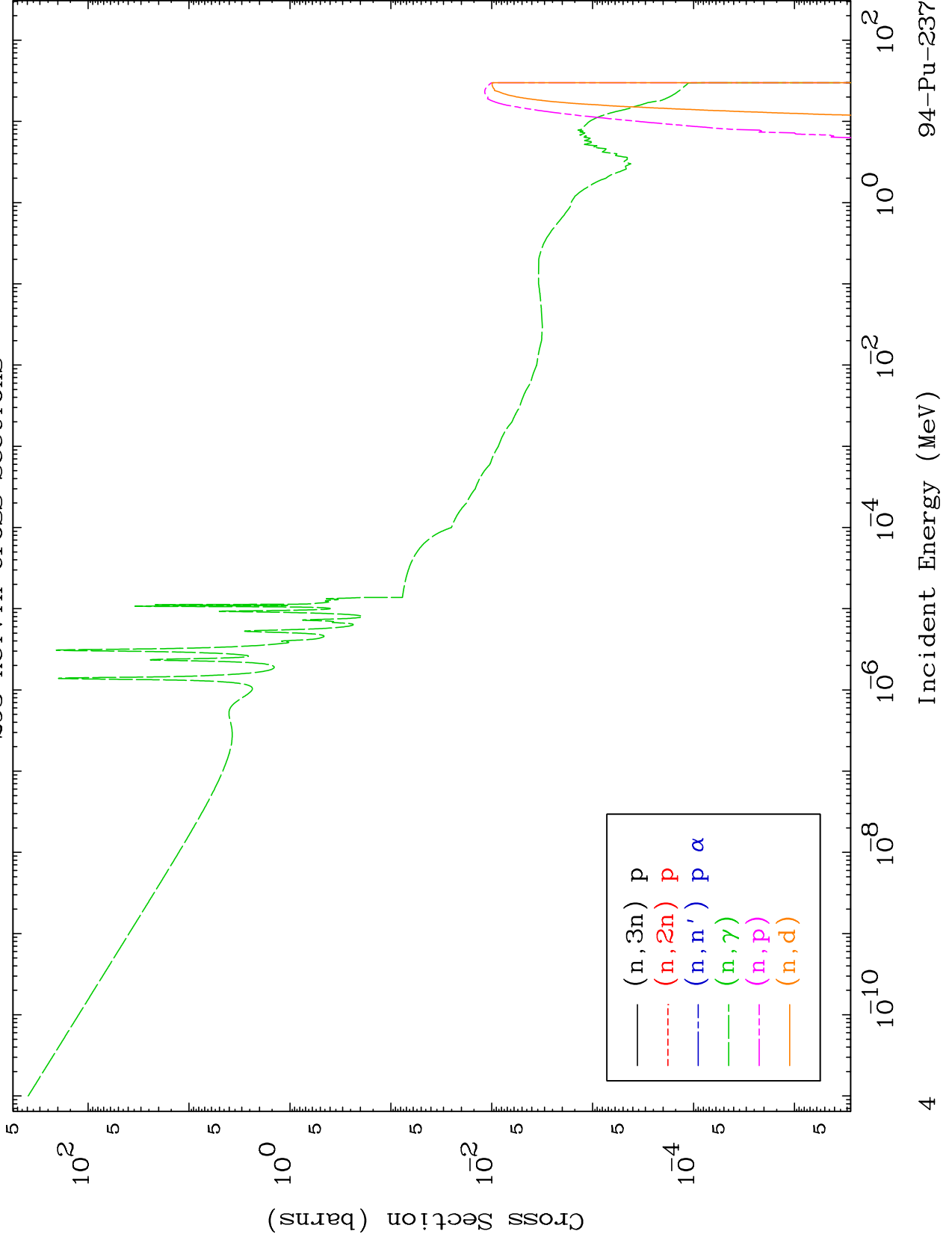
94-Pu-237



MAT 9431

Neutron Absorption  
293 Kelvin Cross Sections

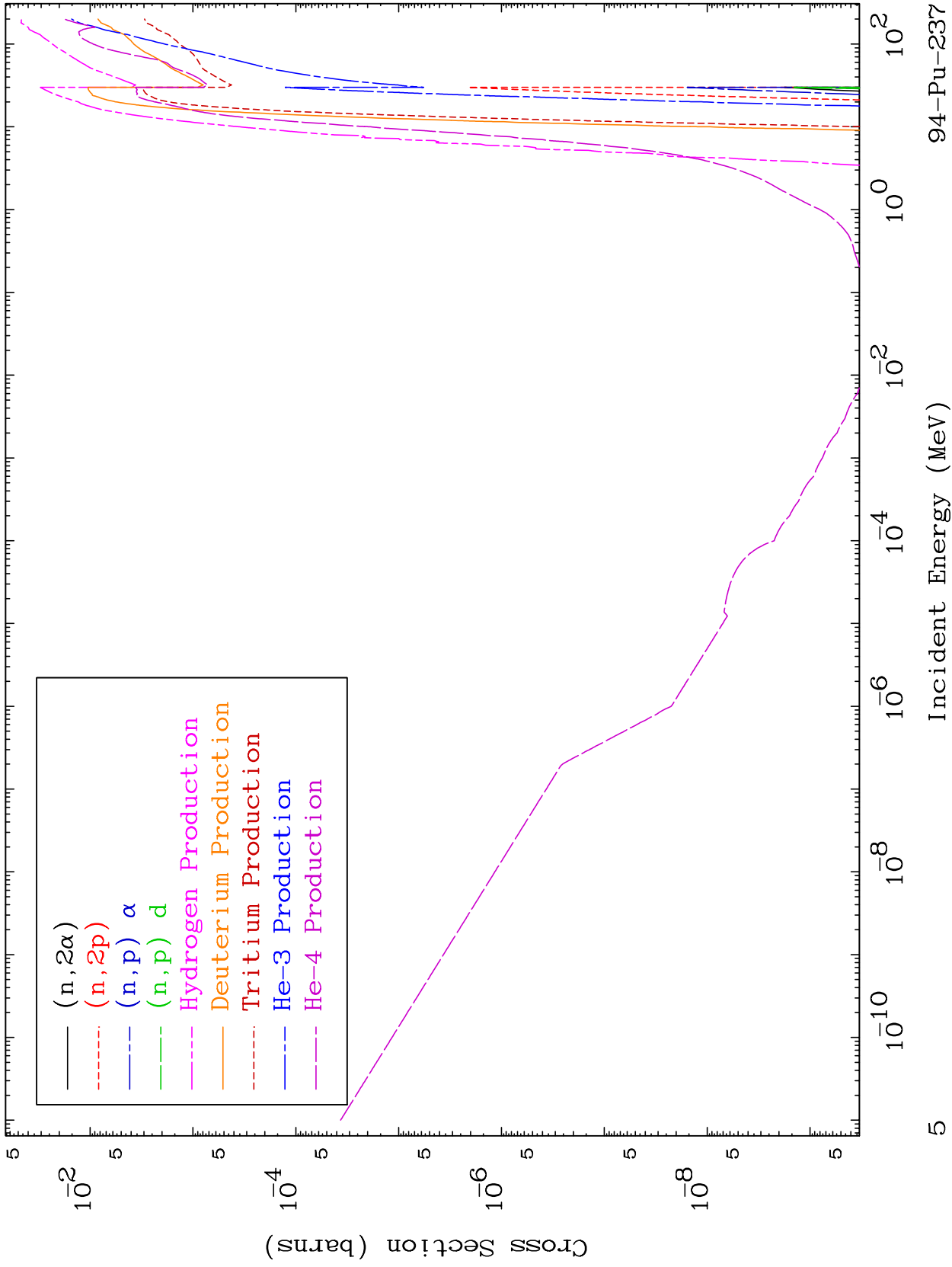
94-Pu-237



MAT 9431

Neutron Absorption  
293 Kelvin Cross Sections

94-Pu-237



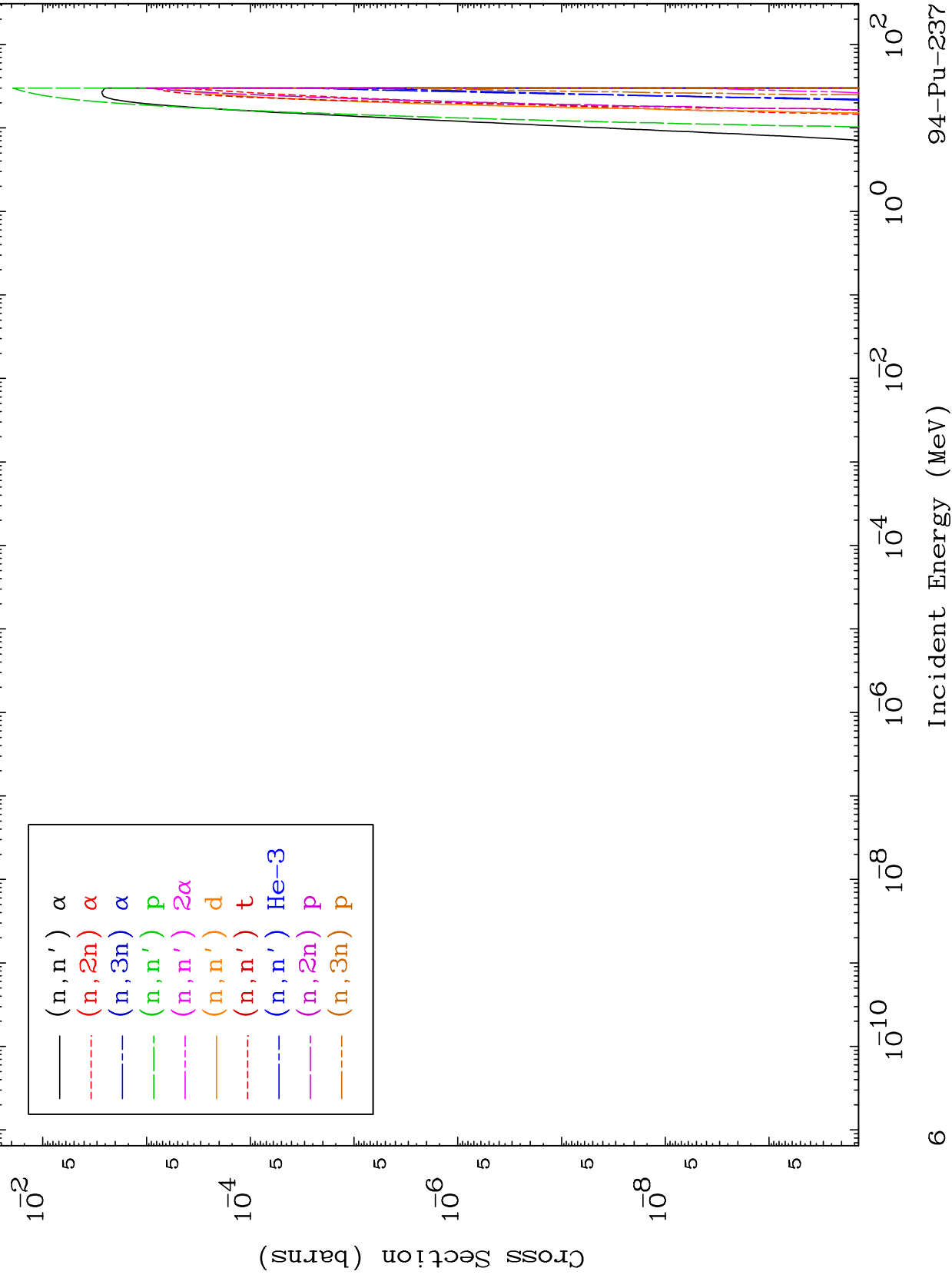
5

94-Pu-237

MAT 9431

Charged Particle  
293 Kelvin Cross Sections

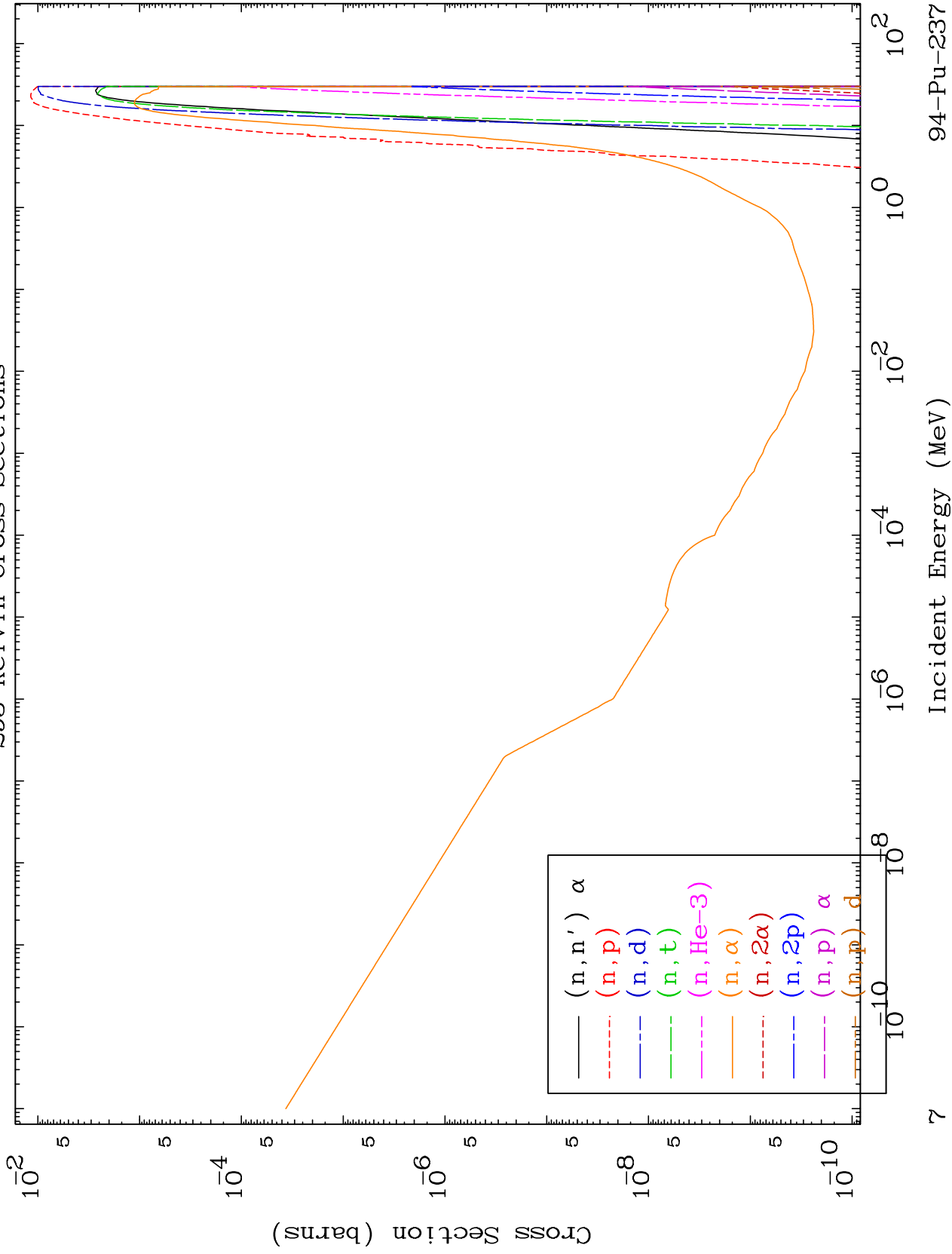
94-Pu-237



MAT 9431

Charged Particle  
293 Kelvin Cross Sections

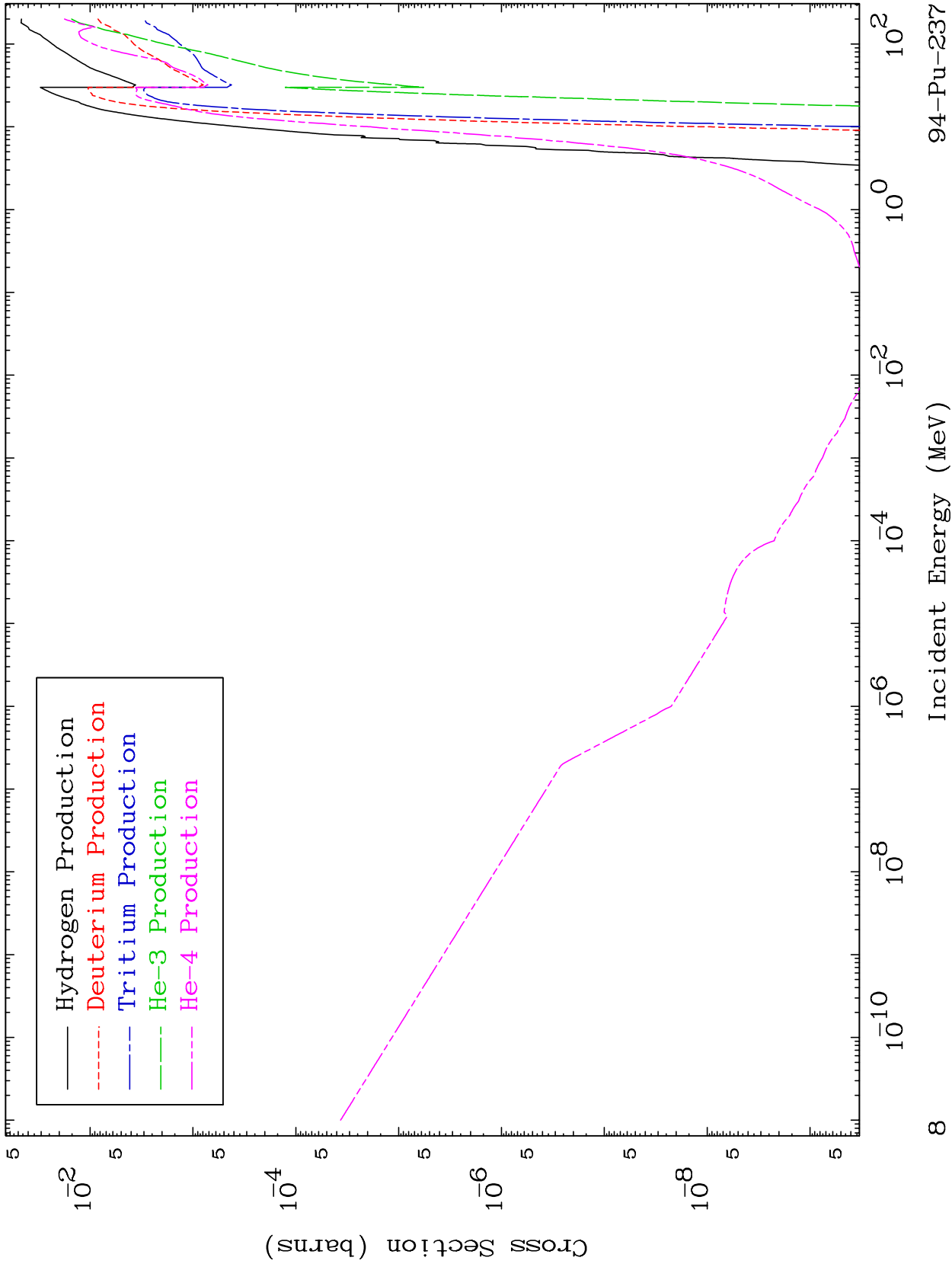
94-Pu-237



MAT 9431

Particle Production  
293 Kelvin Cross Sections

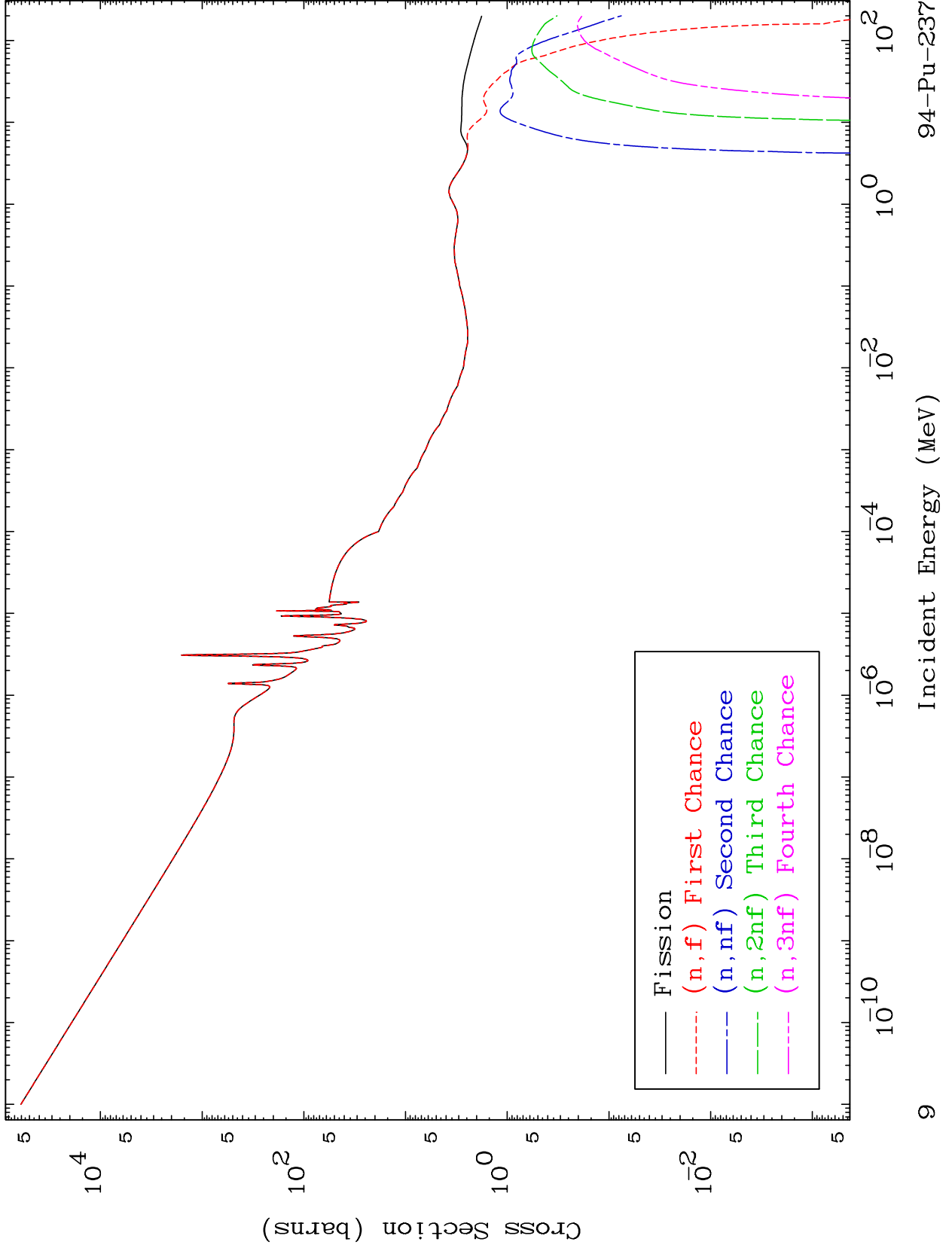
94-Pu-237



MAT 9431

Fission  
293 Kelvin Cross Sections

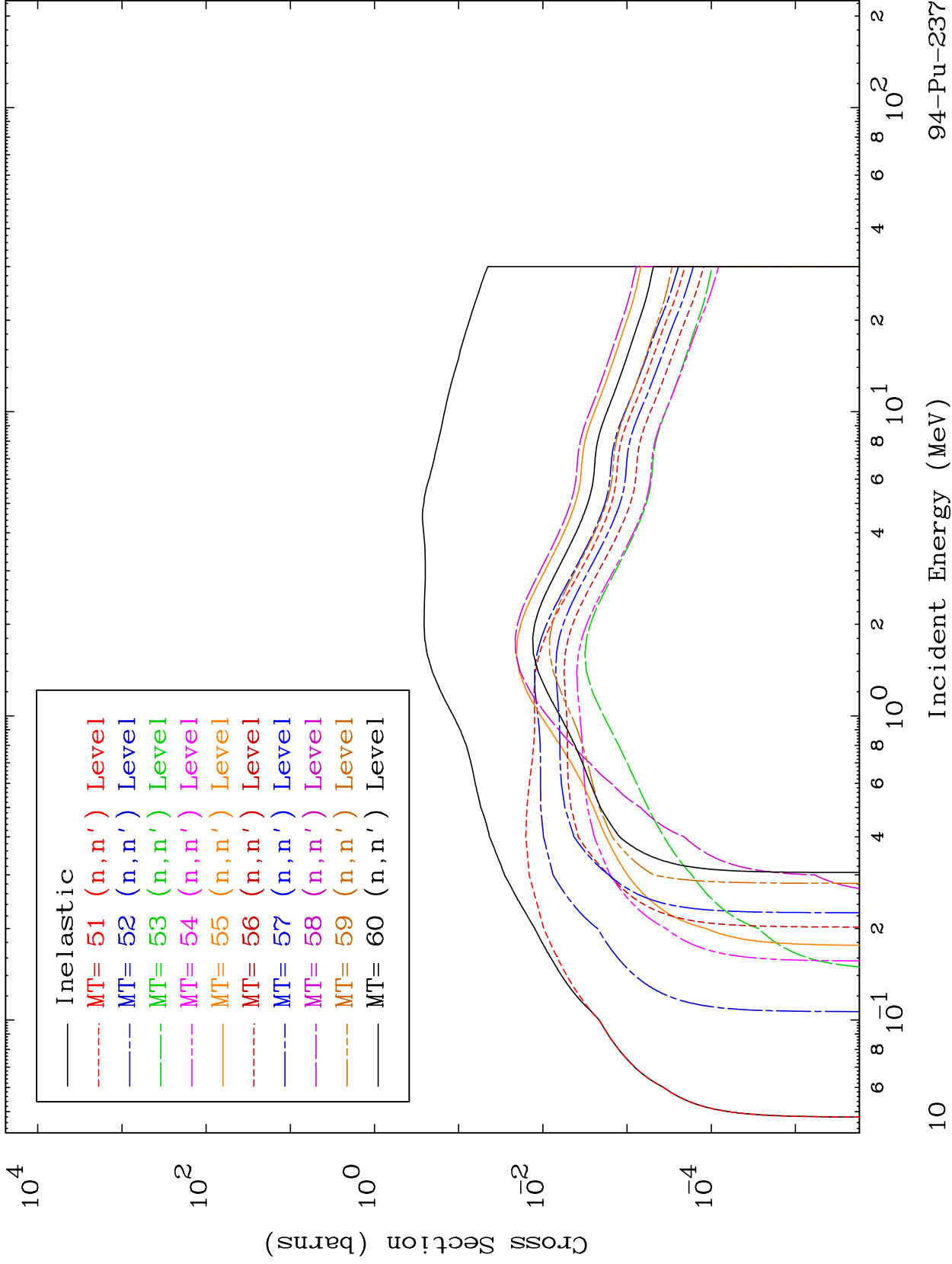
94-Pu-237



MAT 9431

(n,n') Levels  
293 Kelvin Cross Sections

94-Pu-237



10

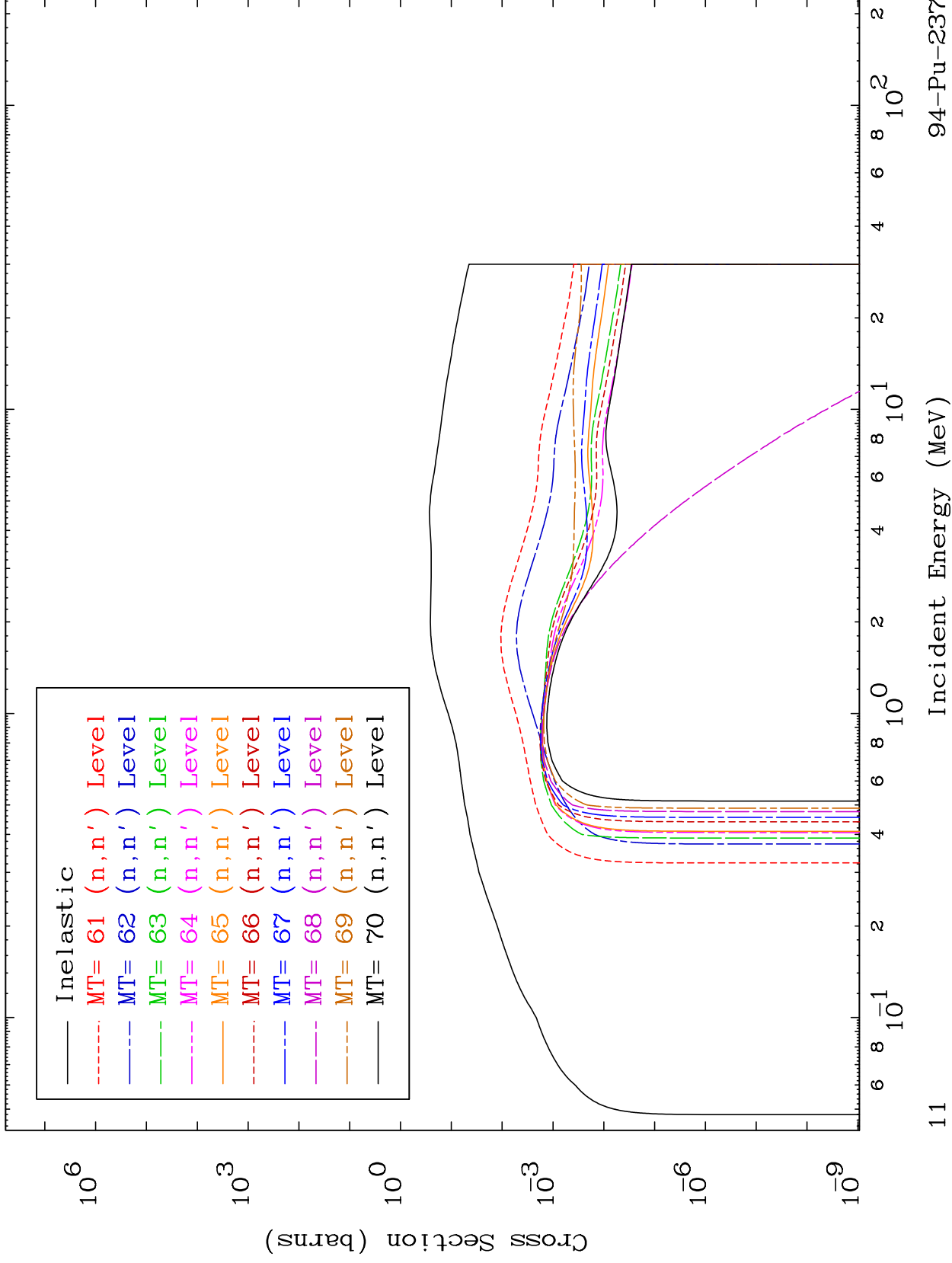
Incident Energy (MeV)

94-Pu-237

MAT 9431

(n,n') Levels  
293 Kelvin Cross Sections

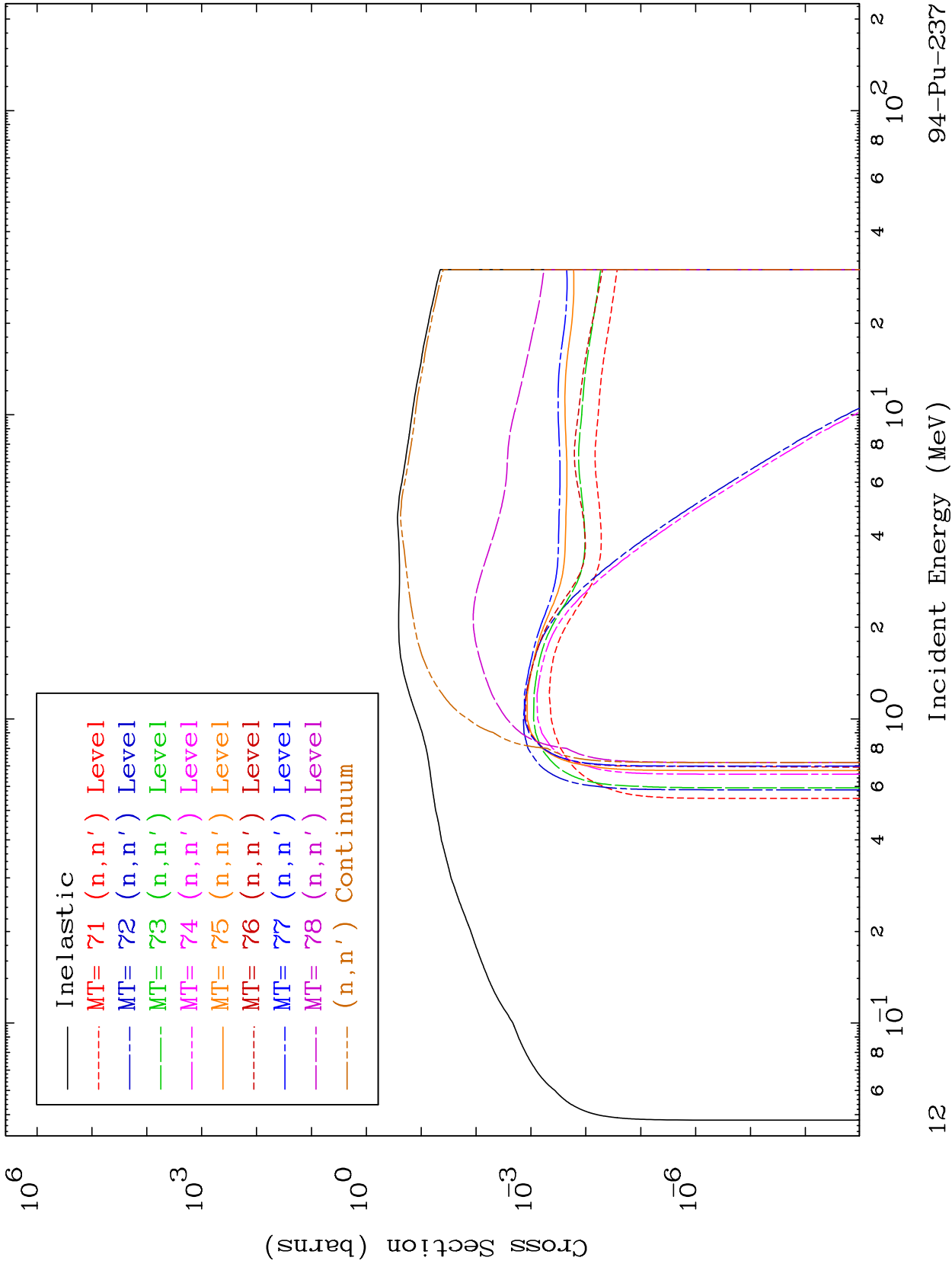
94-Pu-237



MAT 9431

(n,n') Levels  
293 Kelvin Cross Sections

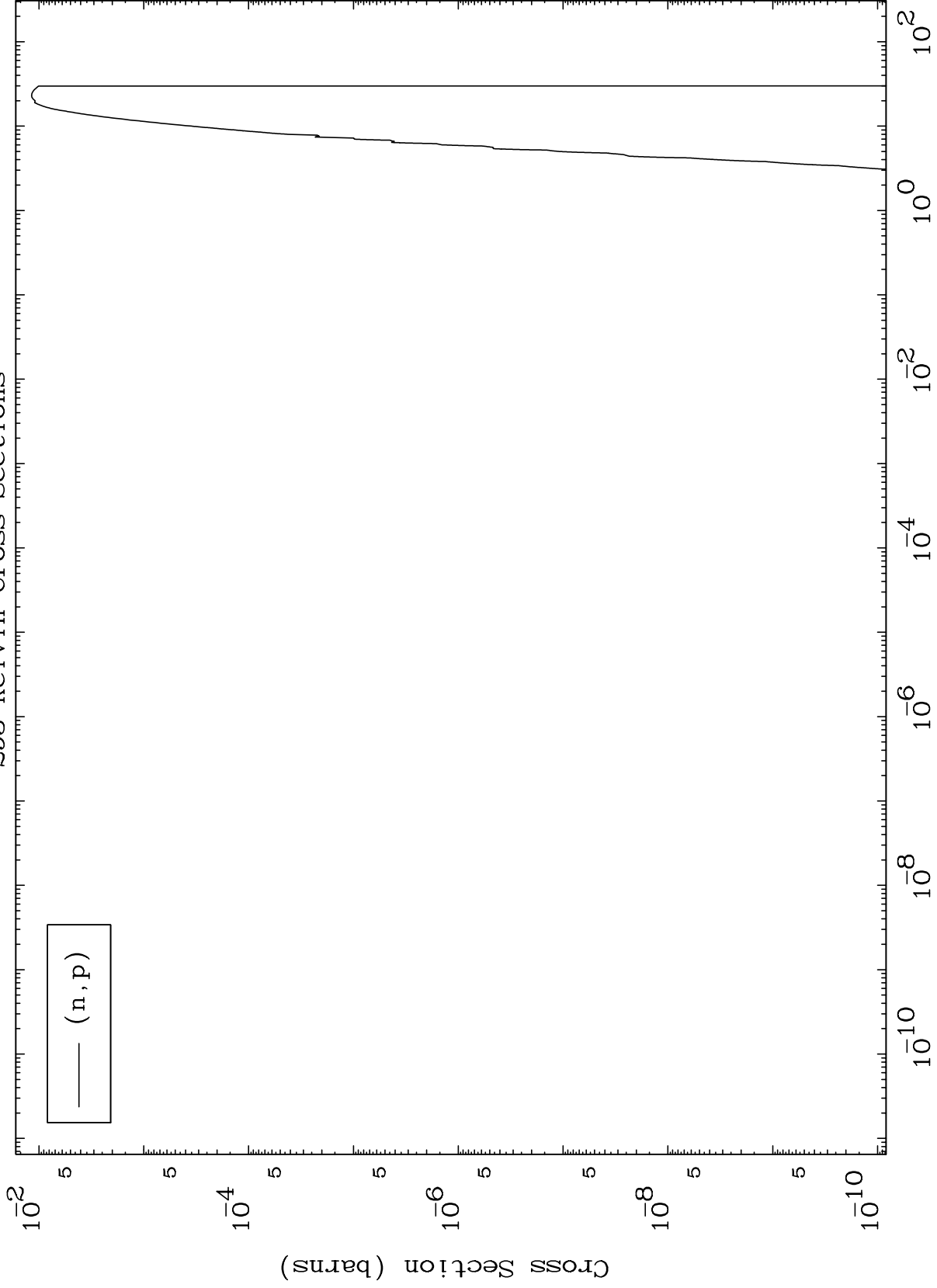
94-Pu-237



MAT 9431

(n,p) Levels  
293 Kelvin Cross Sections

94-Pu-237



13

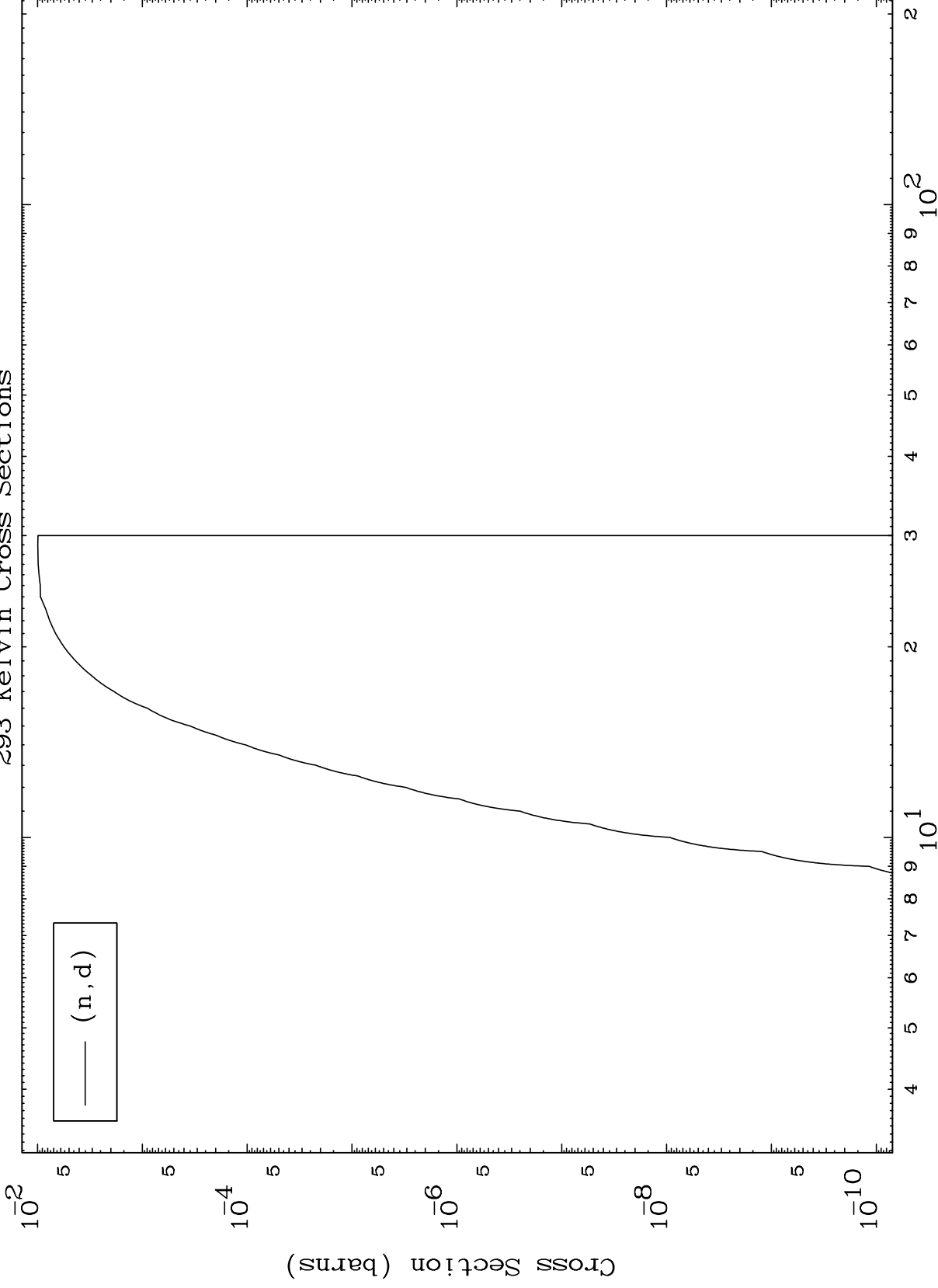
Incident Energy (MeV)

94-Pu-237

MAT 9431

(n,d) Levels  
293 Kelvin Cross Sections

94-Pu-237



14

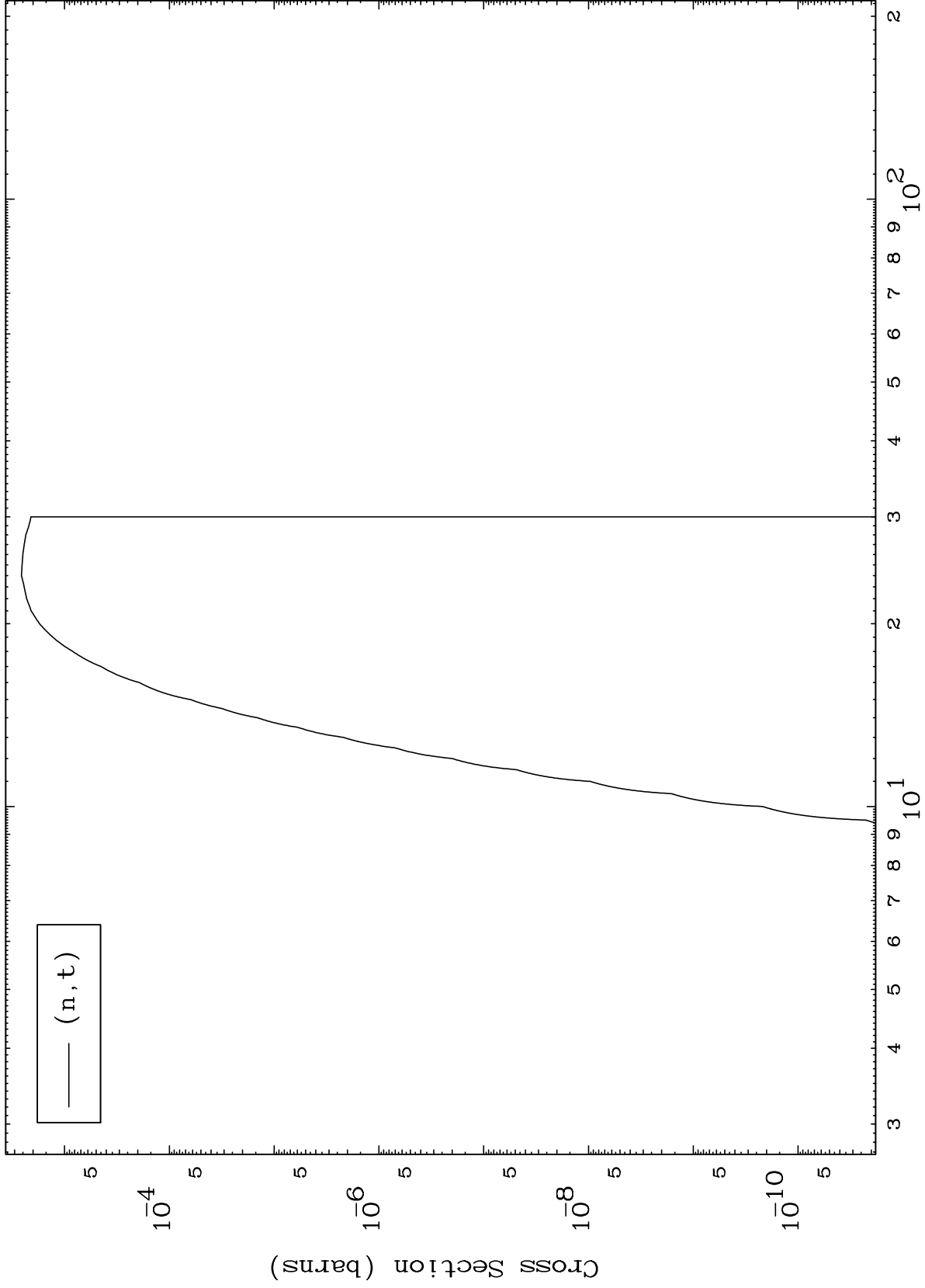
Incident Energy (MeV)

94-Pu-237

MAT 9431

(n,t) Levels  
293 Kelvin Cross Sections

94-Pu-237



15

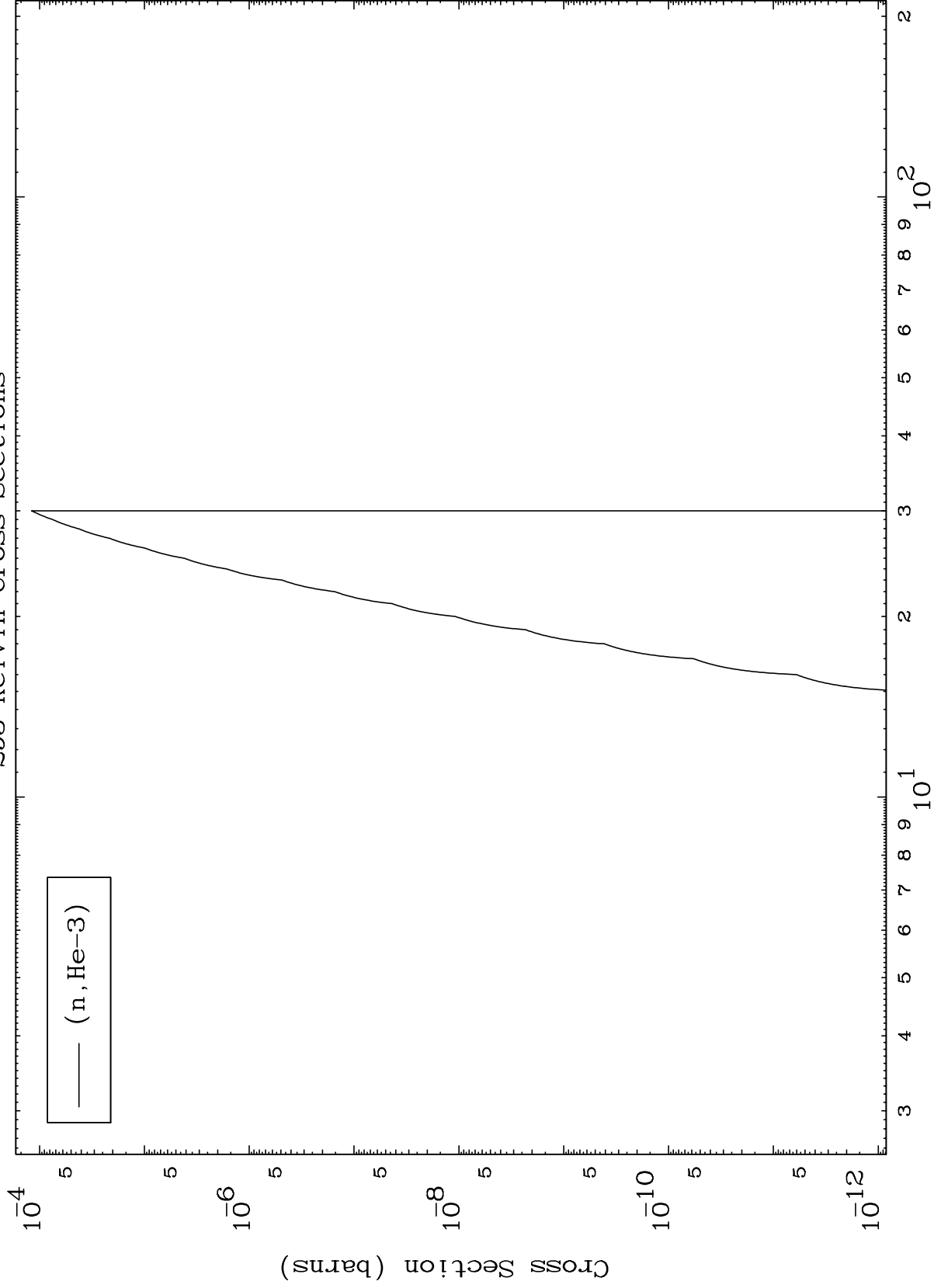
Incident Energy (MeV)

94-Pu-237

MAT 9431

(n,He3) Levels  
293 Kelvin Cross Sections

94-Pu-237



16

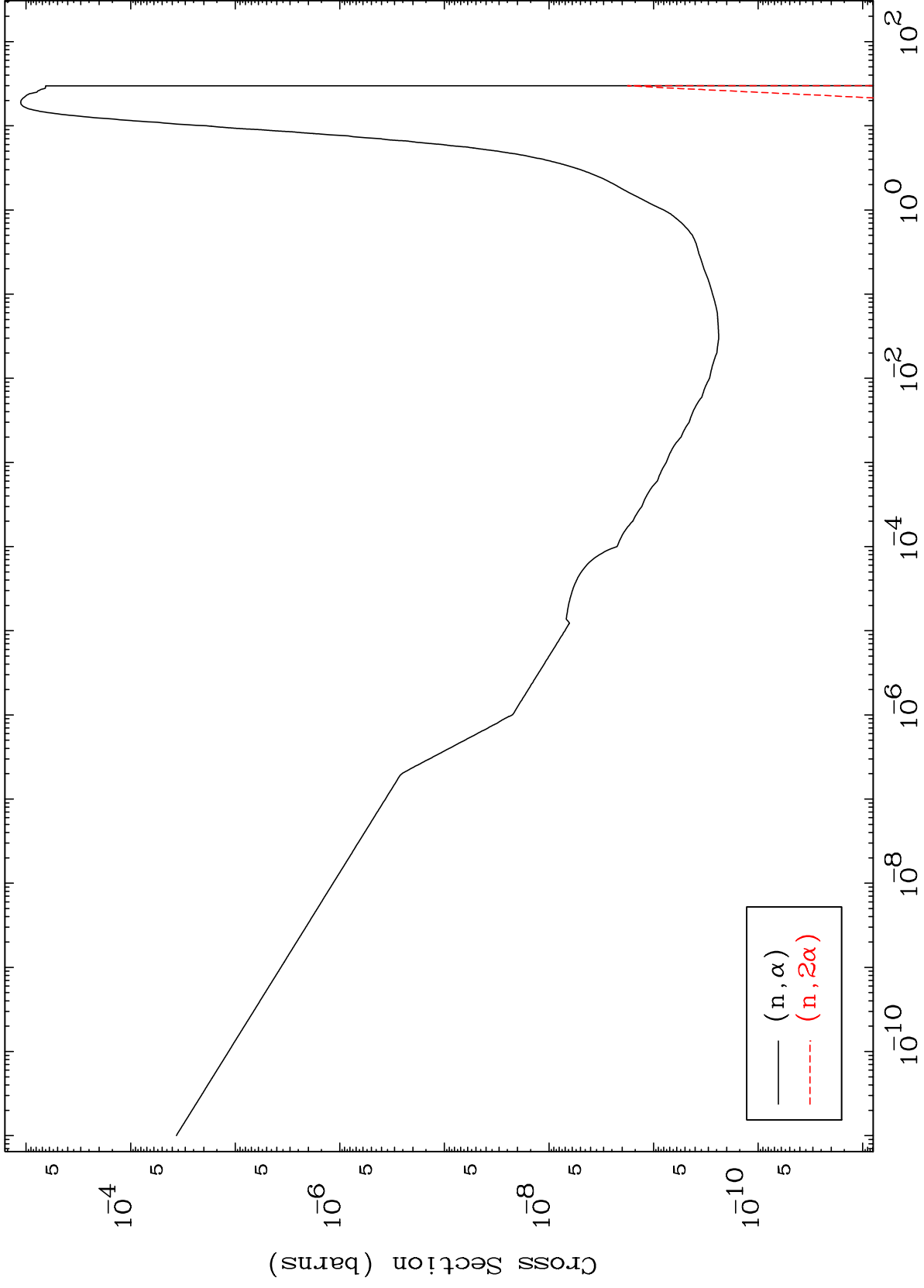
Incident Energy (MeV)

94-Pu-237

MAT 9431

(n,α) Levels  
293 Kelvin Cross Sections

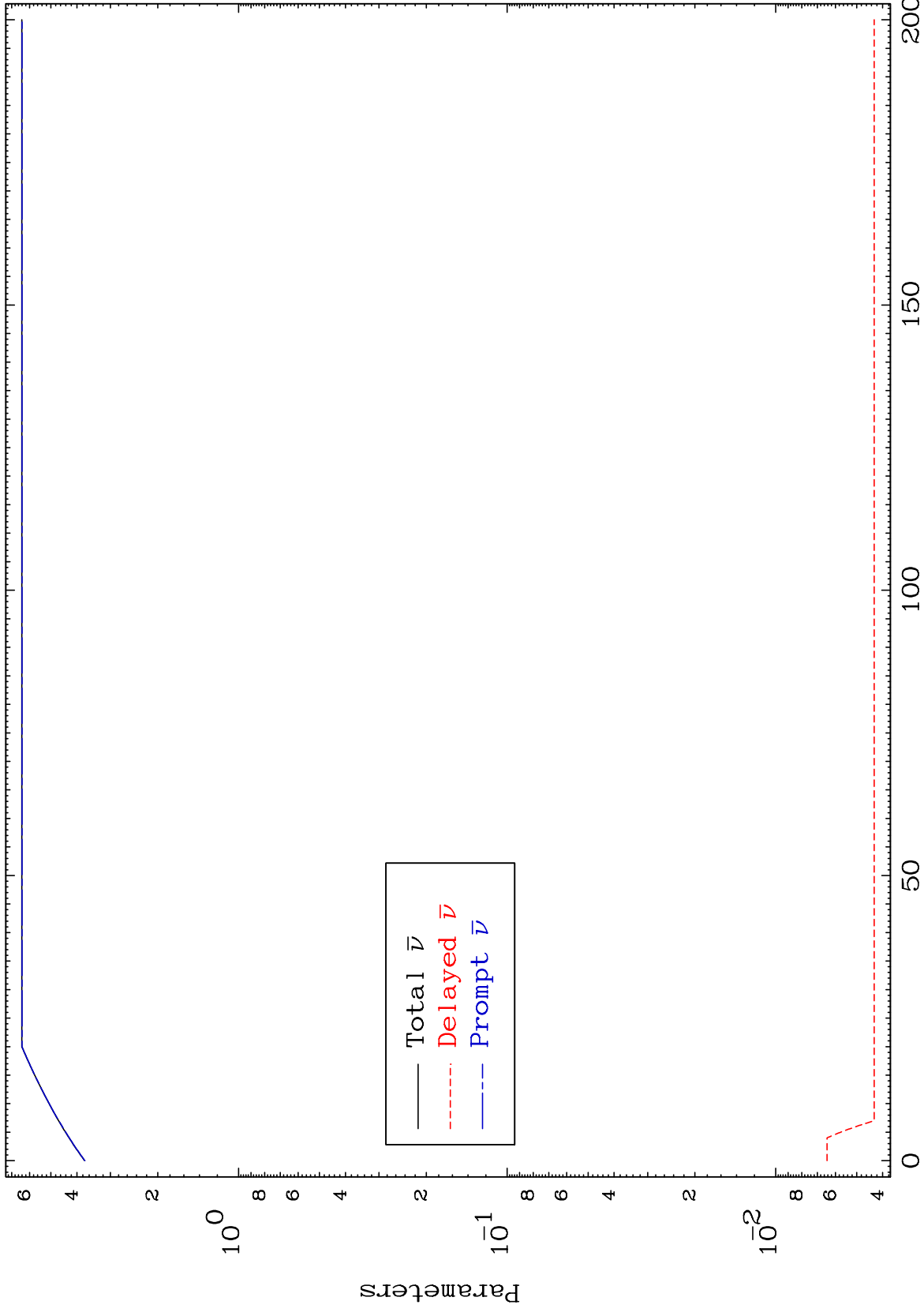
94-Pu-237



MAT 9431

Energy Release  
Parameters

94-Pu-237



18

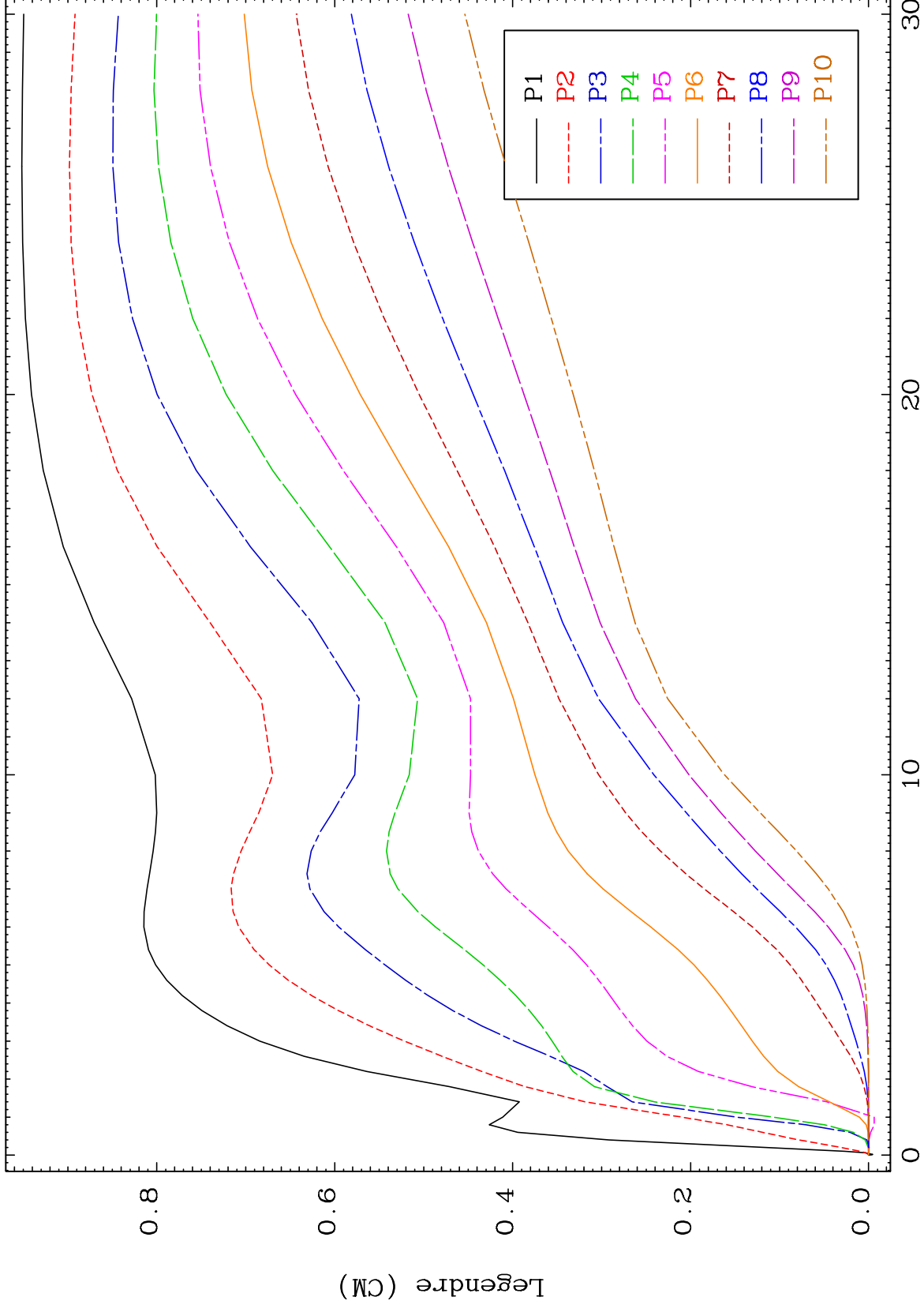
Incident Energy (MeV)

94-Pu-237

MAT 9431

Elastic Legendre Coefficients

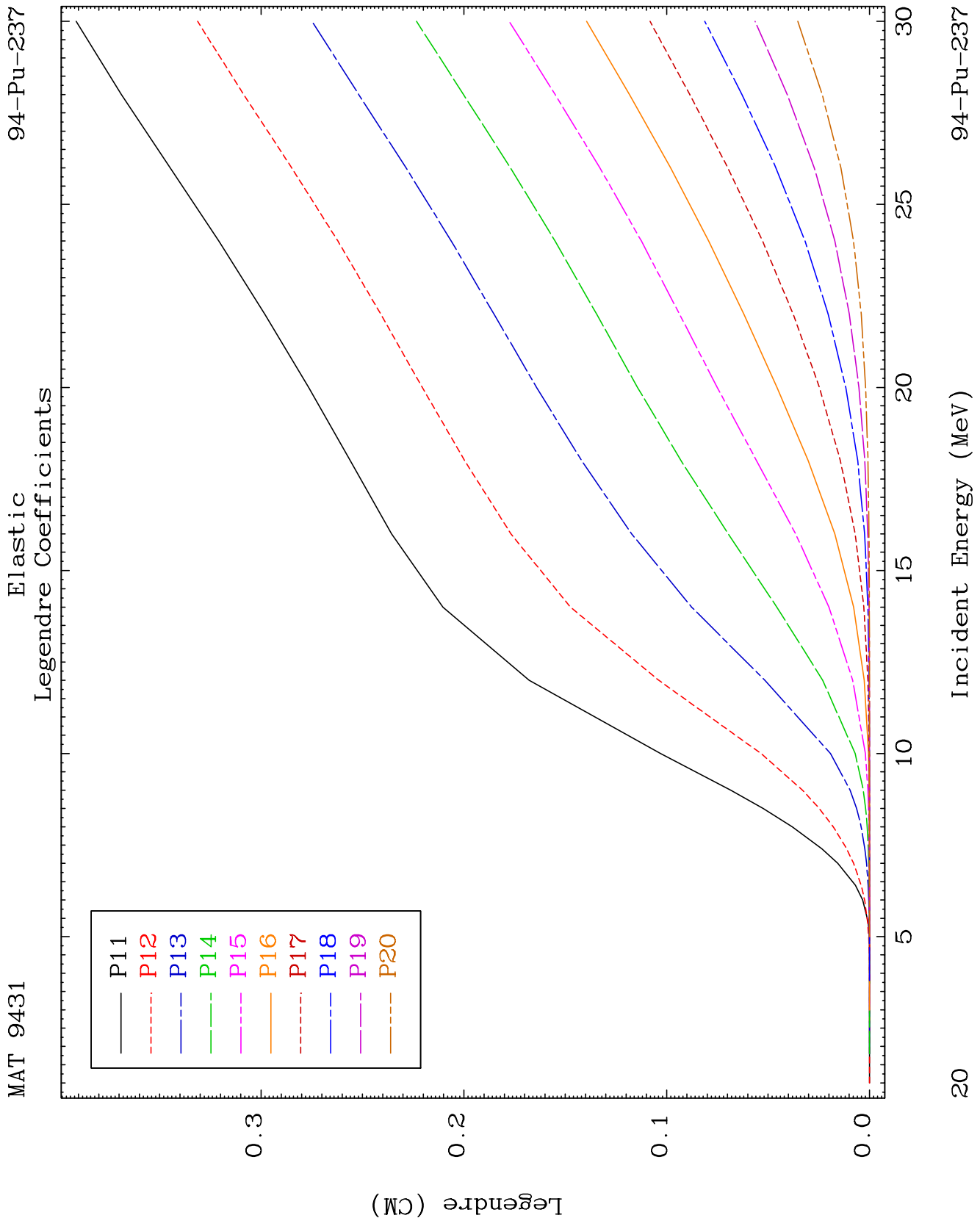
94-Pu-237

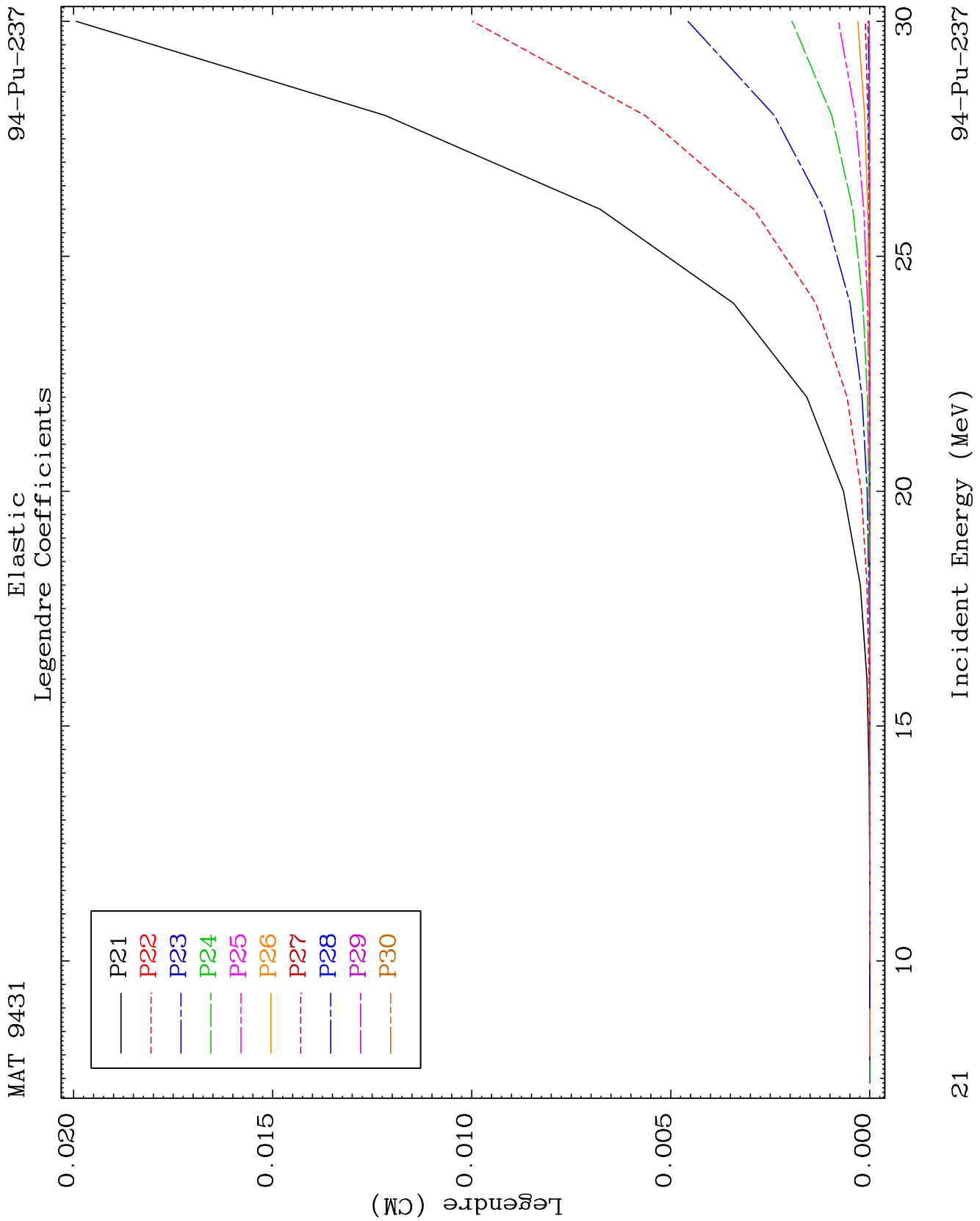


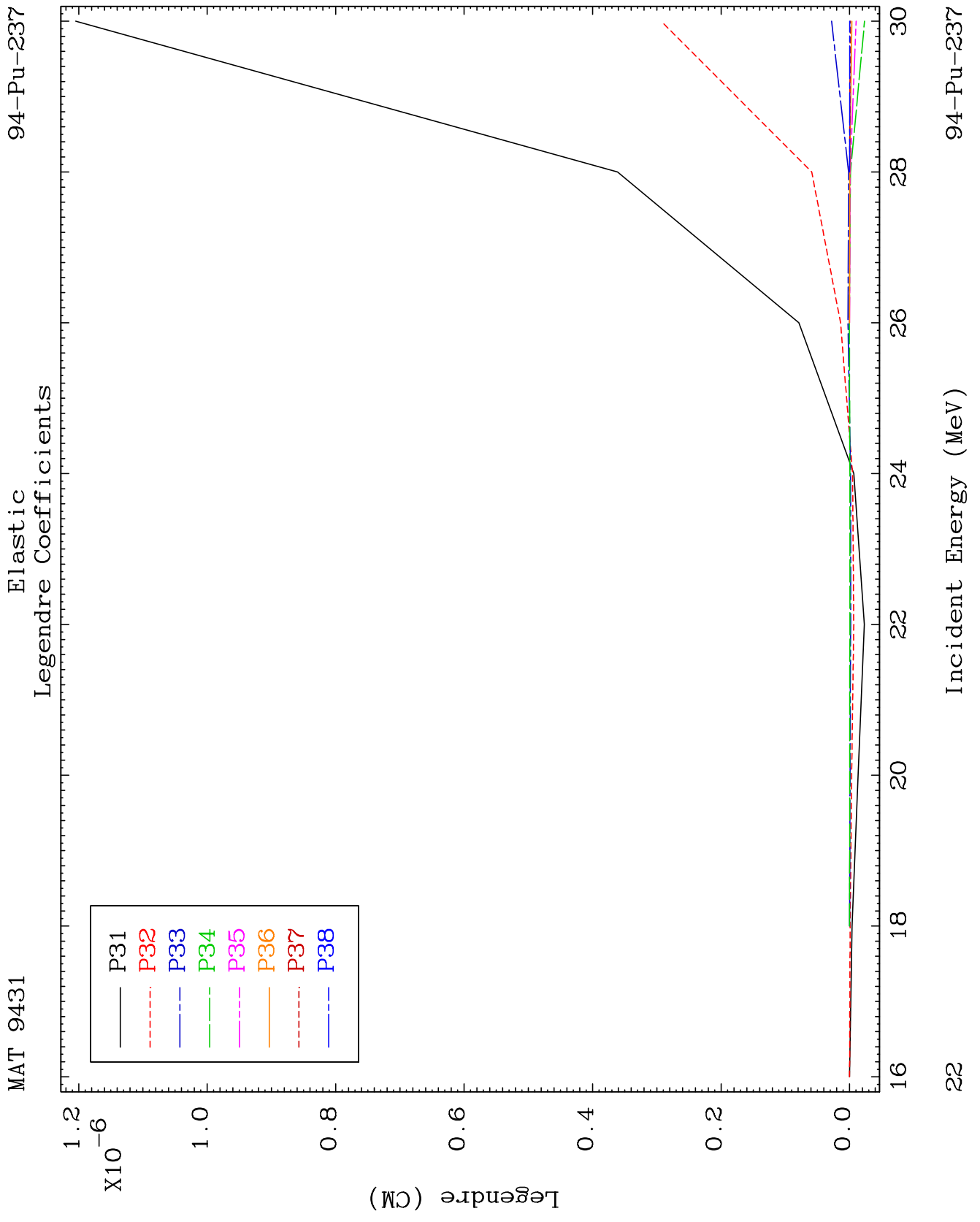
19

Incident Energy (MeV)

94-Pu-237



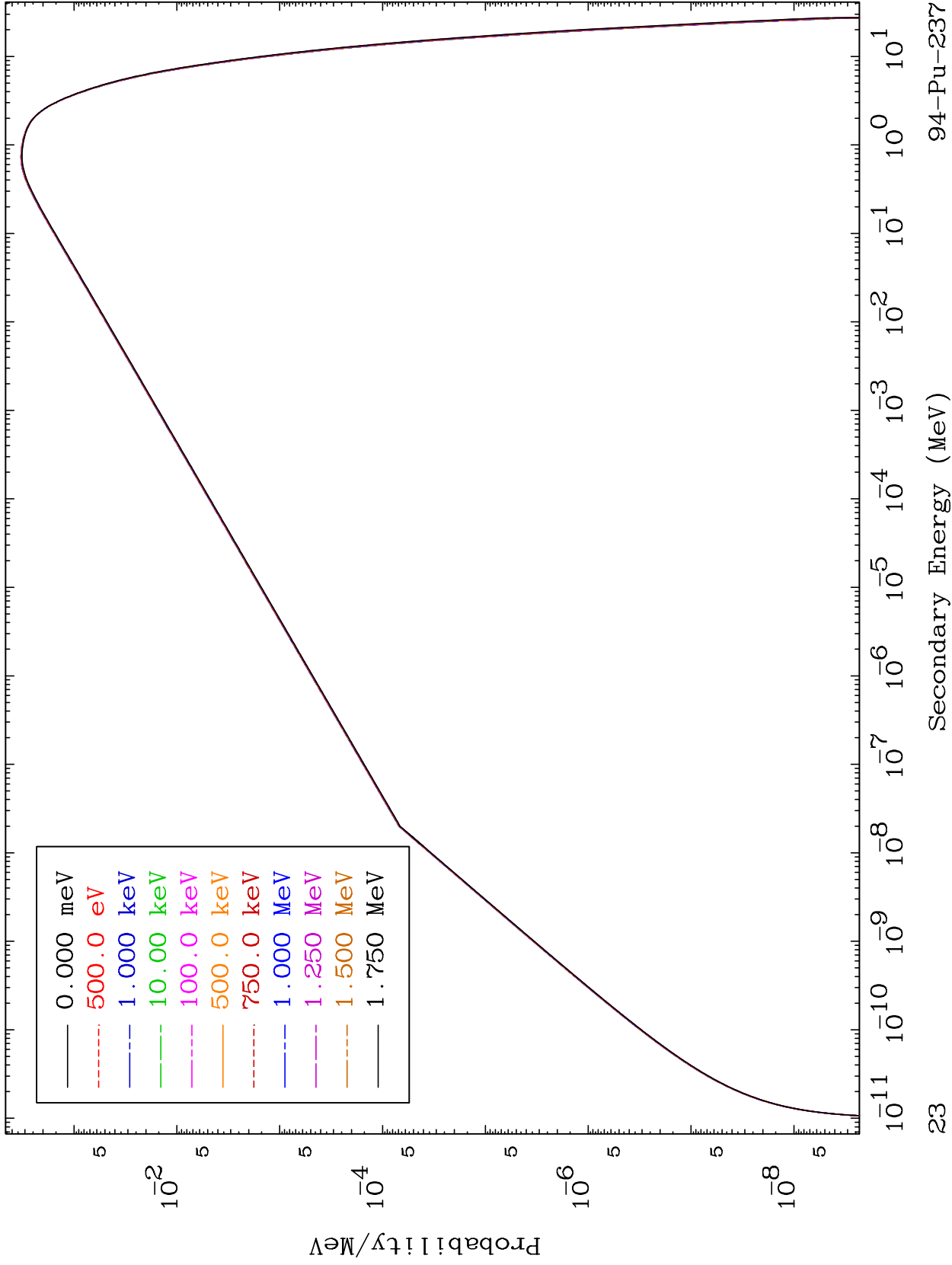




MAT 9431

### Fission Energy Distributions

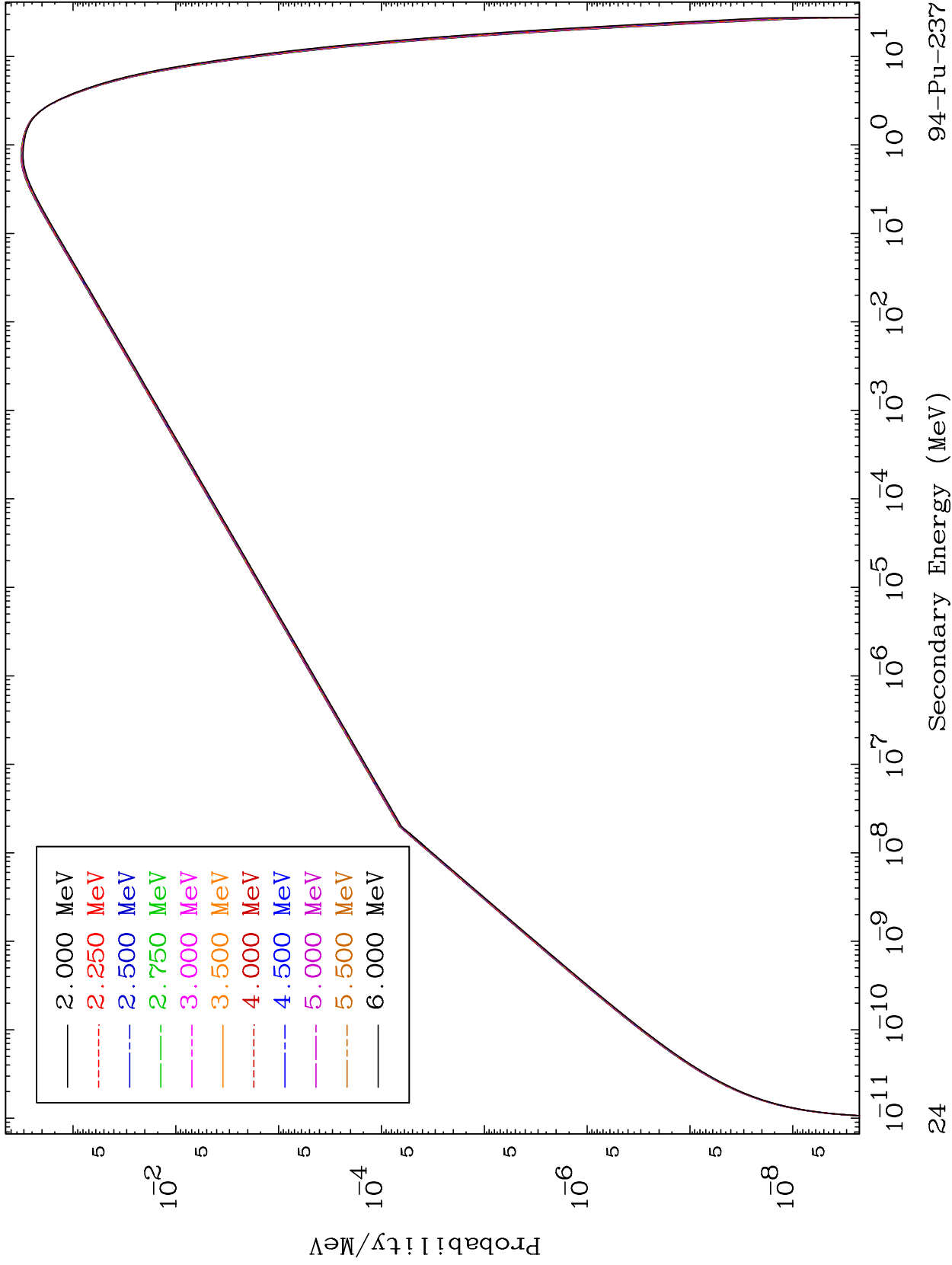
94-Pu-237



MAT 9431

### Fission Energy Distributions

94-Pu-237



94-Pu-237

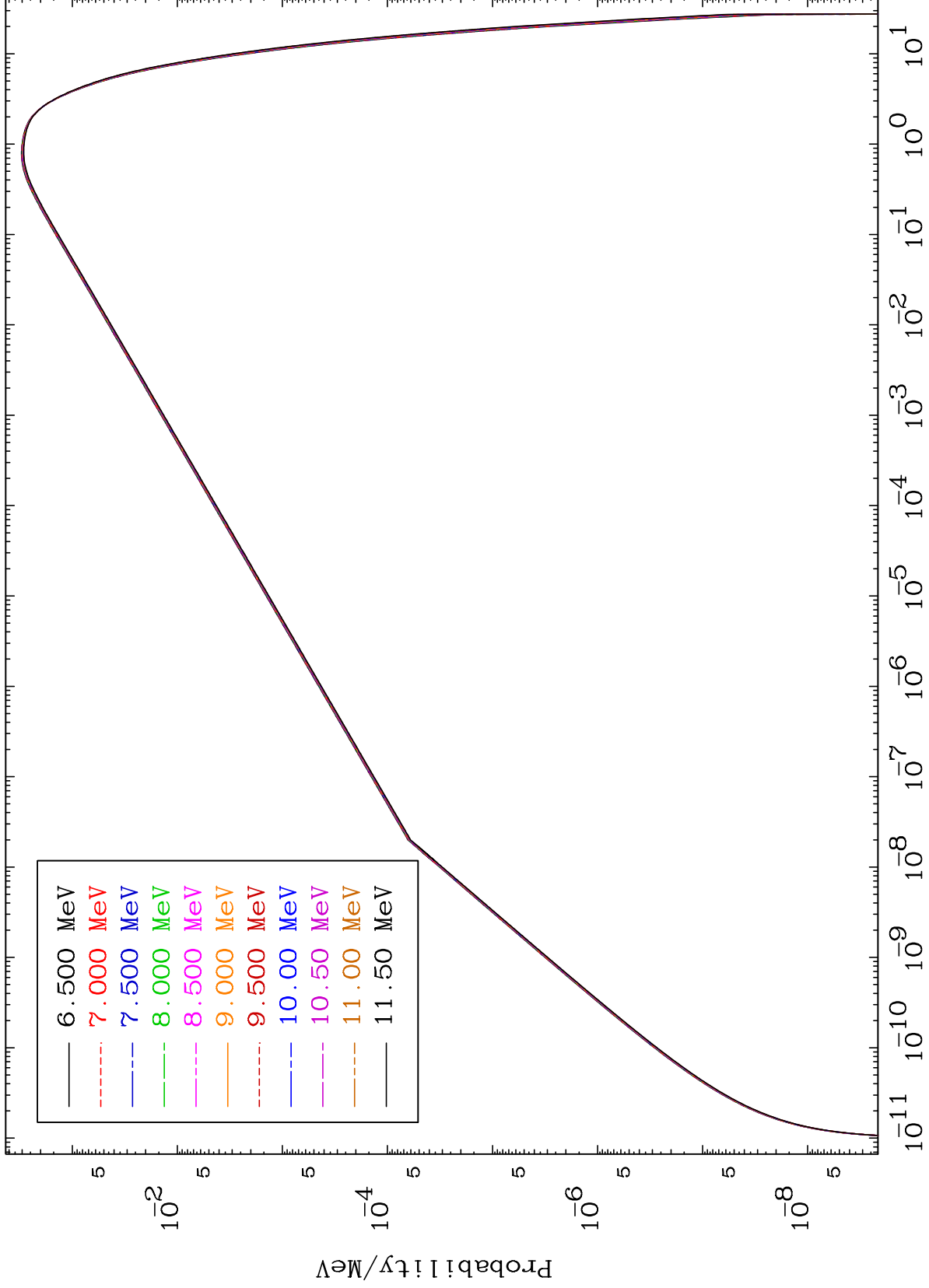
Secondary Energy (MeV)

24

MAT 9431

### Fission Energy Distributions

94-Pu-237



25

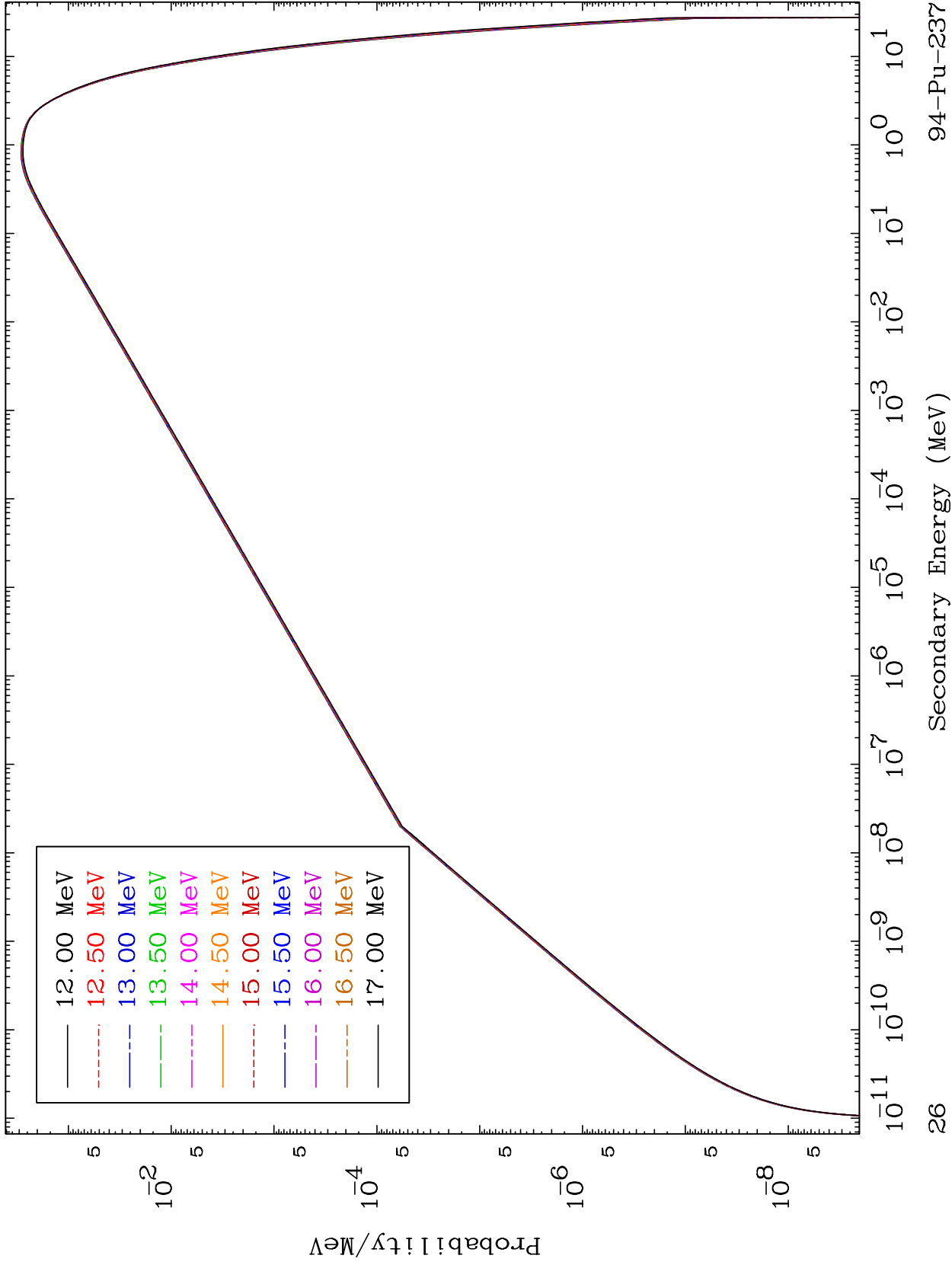
Secondary Energy (MeV)

94-Pu-237

MAT 9431

### Fission Energy Distributions

94-Pu-237

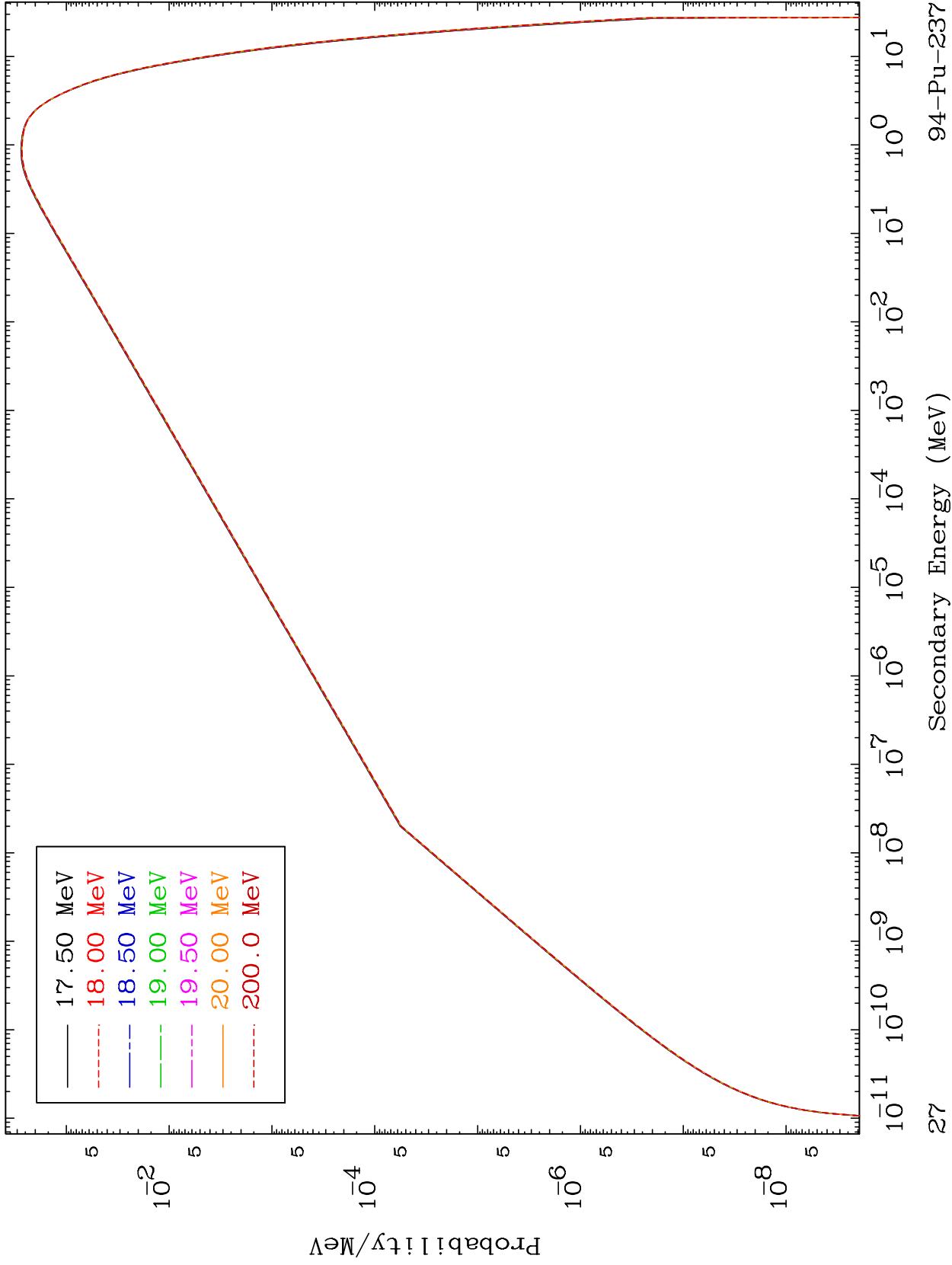


26

MAT 9431

### Fission Energy Distributions

94-Pu-237

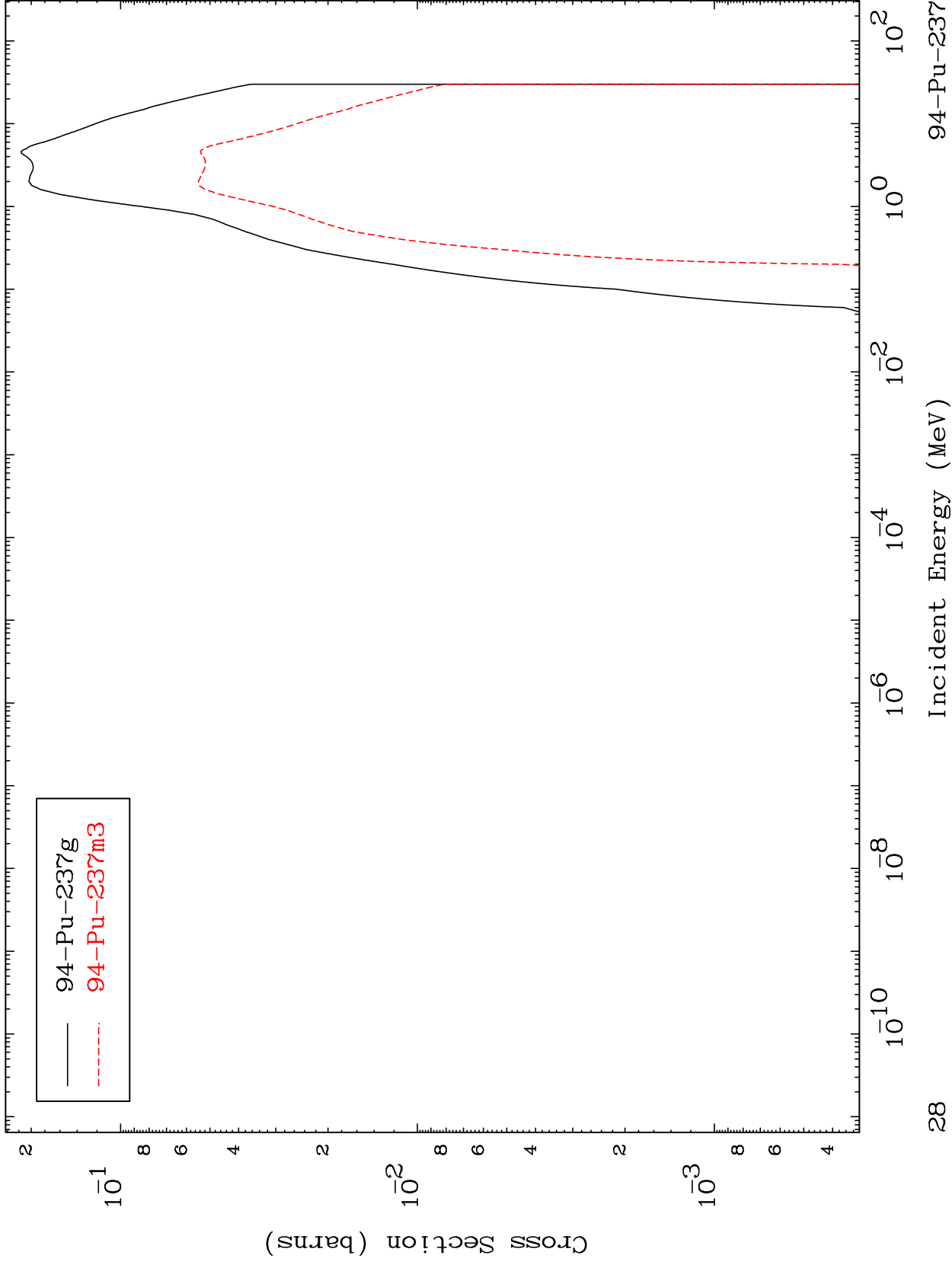


27

MAT 9431

Radionuclide Production Cross Section

94-Pu-237

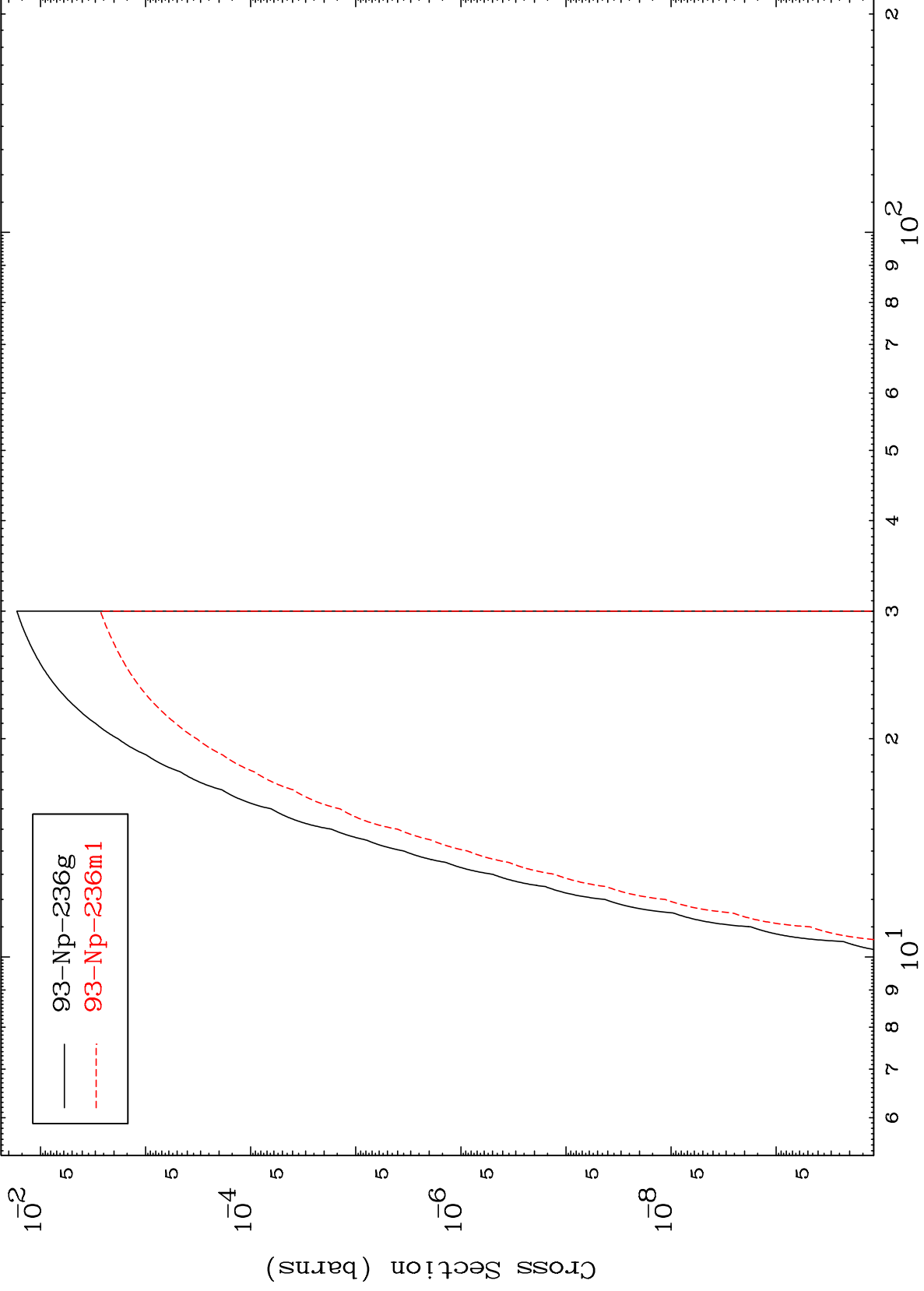


MAT 9431

(n,n') p

94-Pu-237

Radionuclide Production Cross Section



29

Incident Energy (MeV)

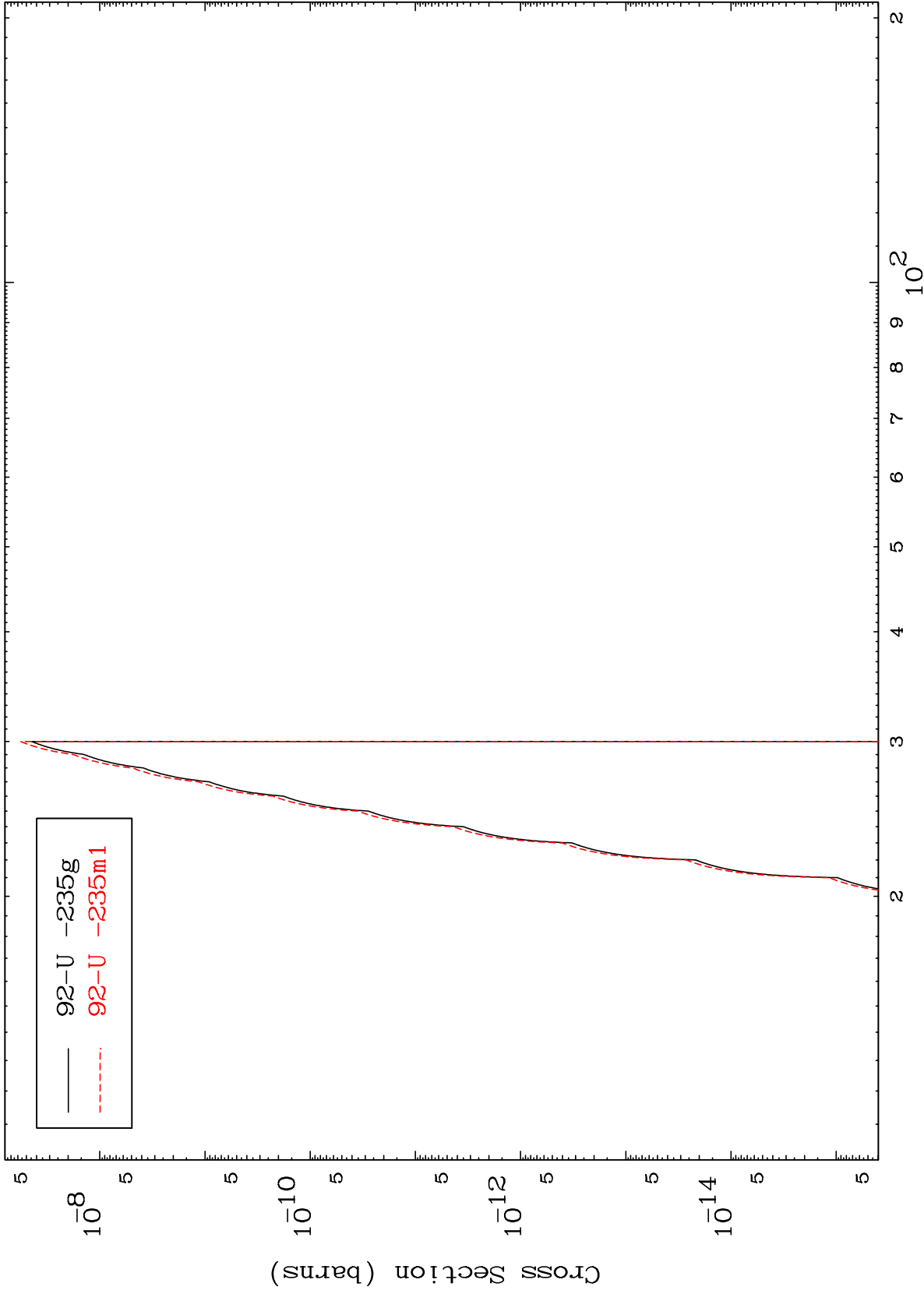
94-Pu-237

MAT 9431

(n,2n) p

94-Pu-237

Radionuclide Production Cross Section



30

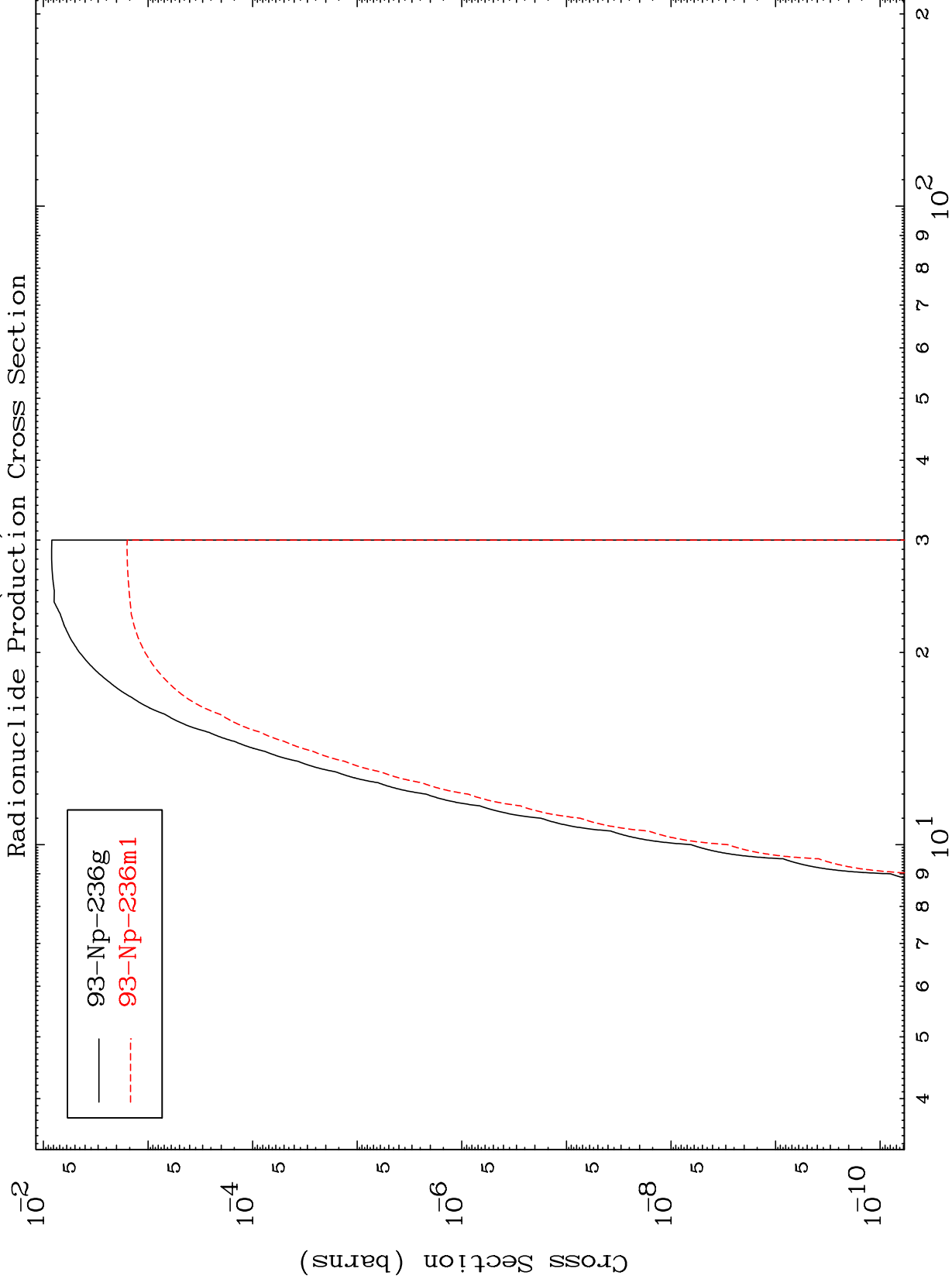
Incident Energy (MeV)

94-Pu-237

MAT 9431

(n,d)

94-Pu-237



31

Incident Energy (MeV)

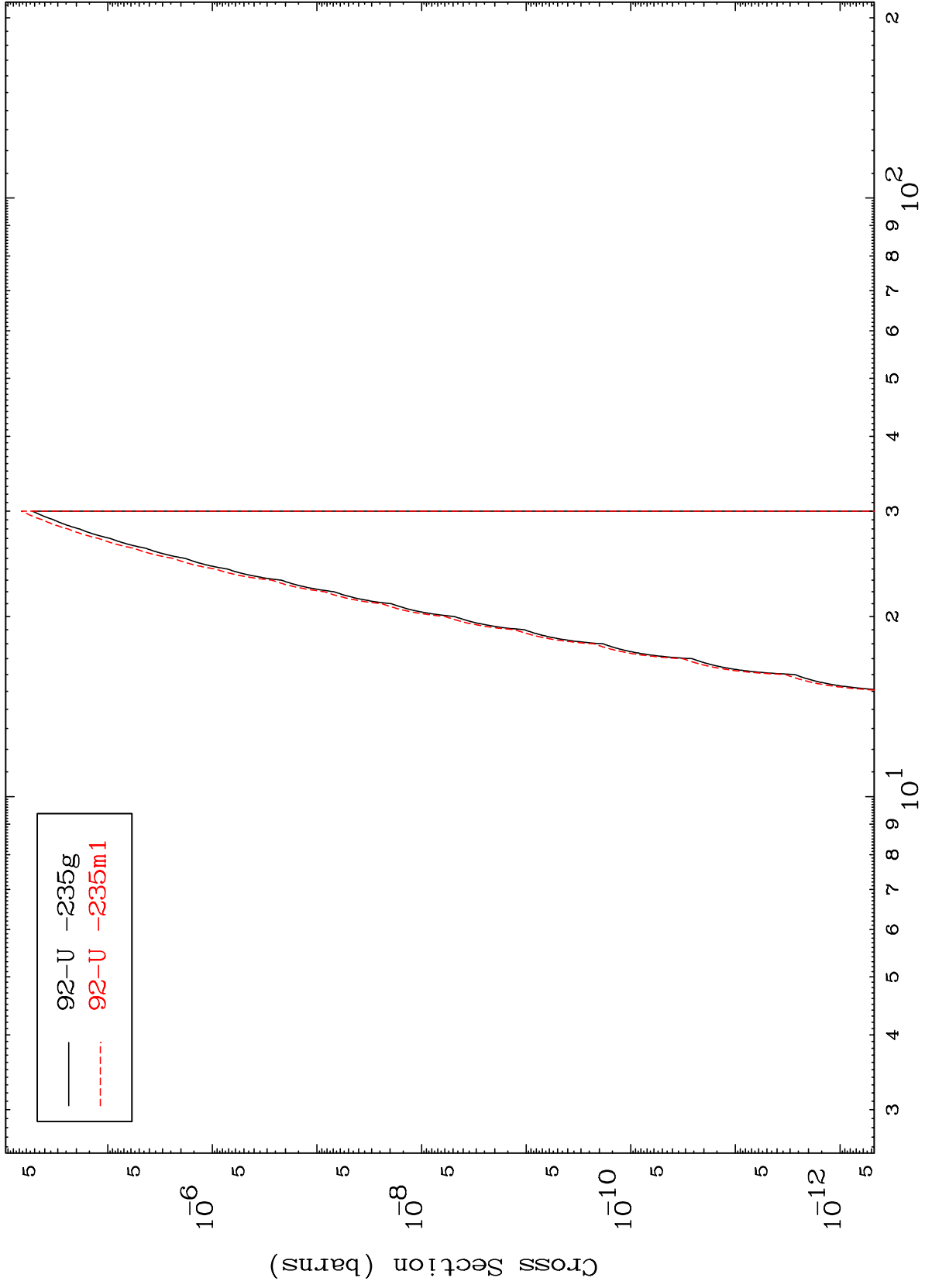
94-Pu-237

MAT 9431

(n,He-3)

94-Pu-237

Radionuclide Production Cross Section



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

Incident Energy (MeV)

94-Pu-237

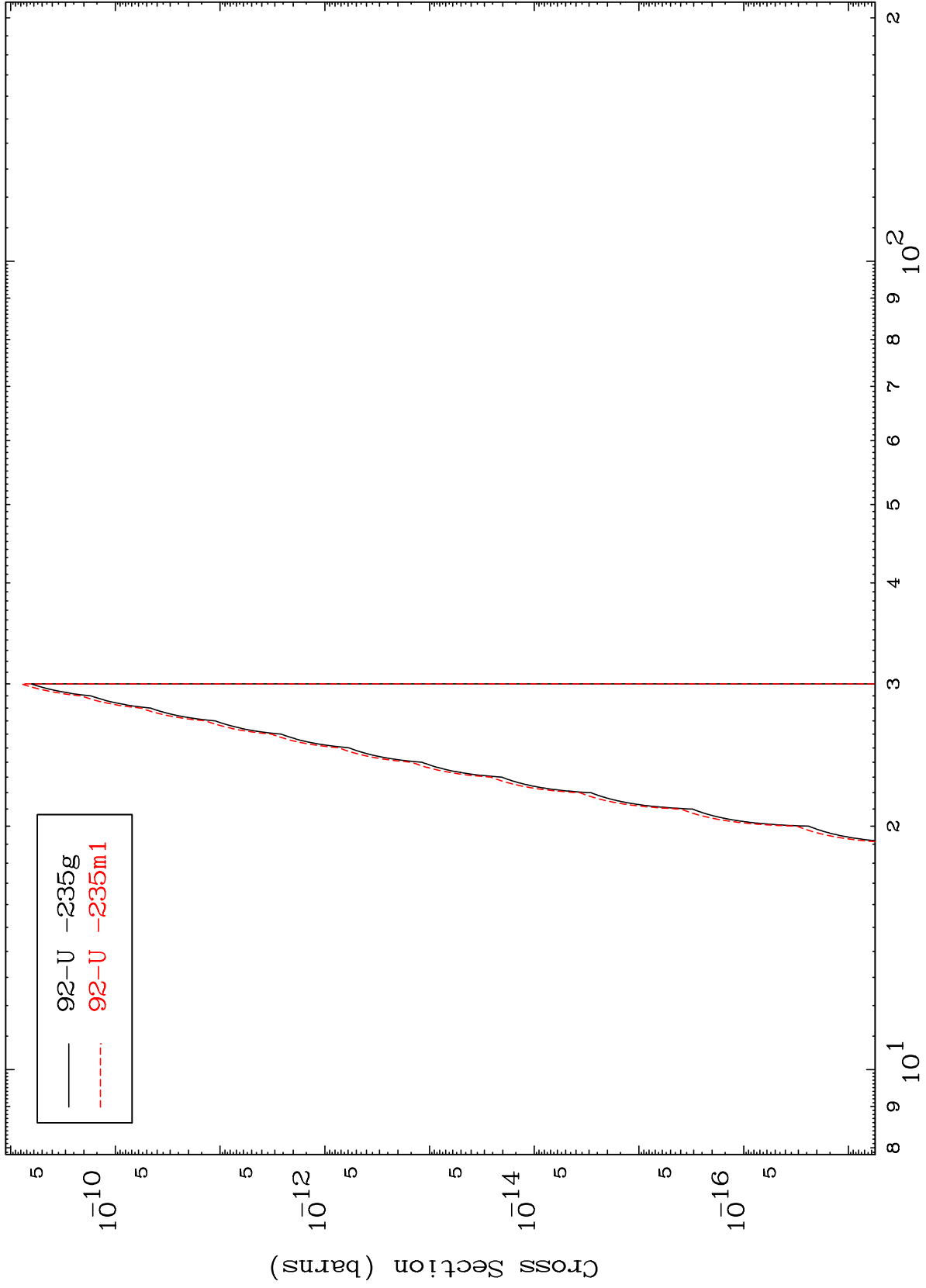
32

MAT 9431

(n,p) d

94-Pu-237

Radionuclide Production Cross Section



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

Incident Energy (MeV)

94-Pu-237

33