

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

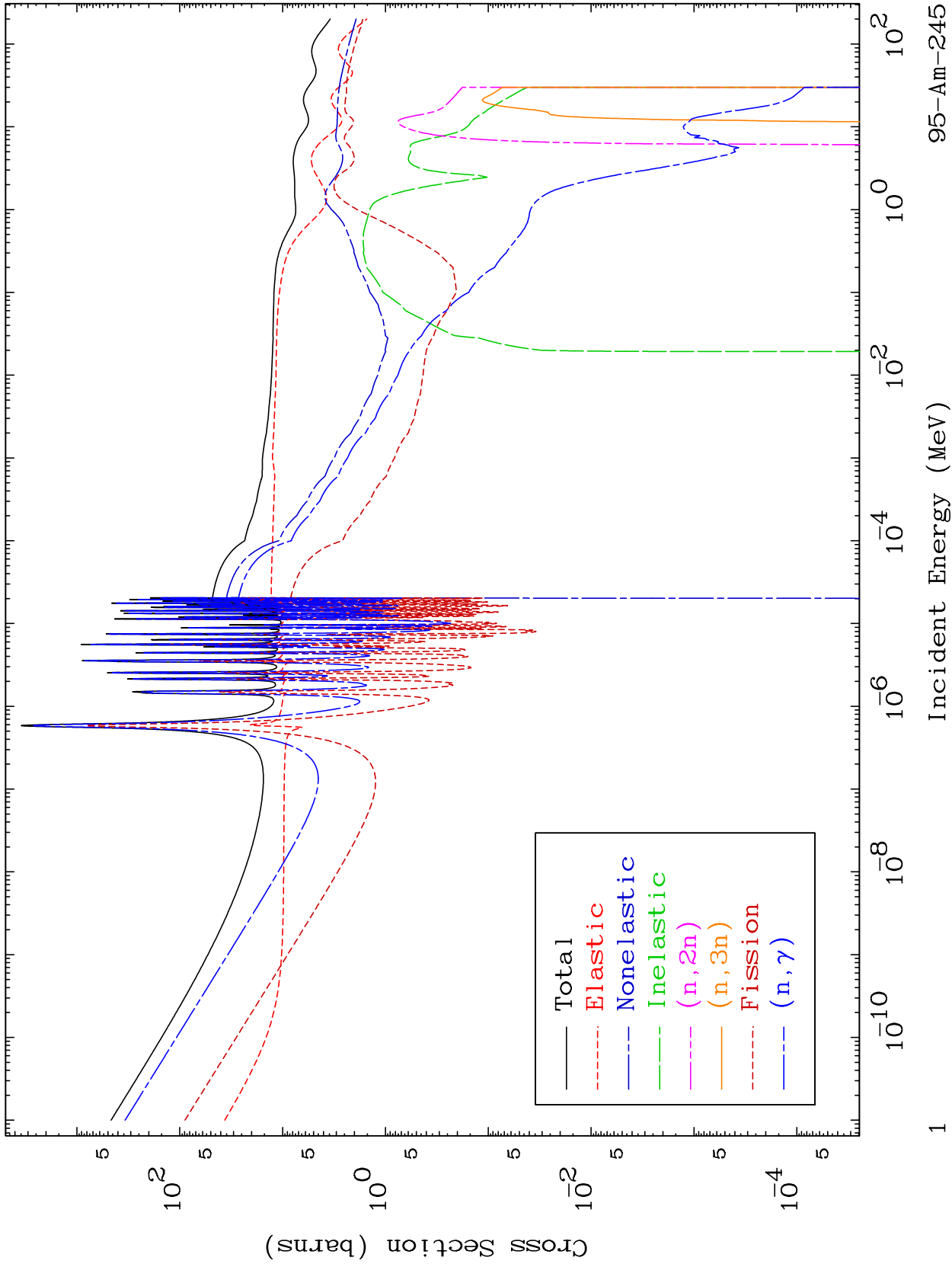
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9555

Neutron Major
293 Kelvin Cross Sections

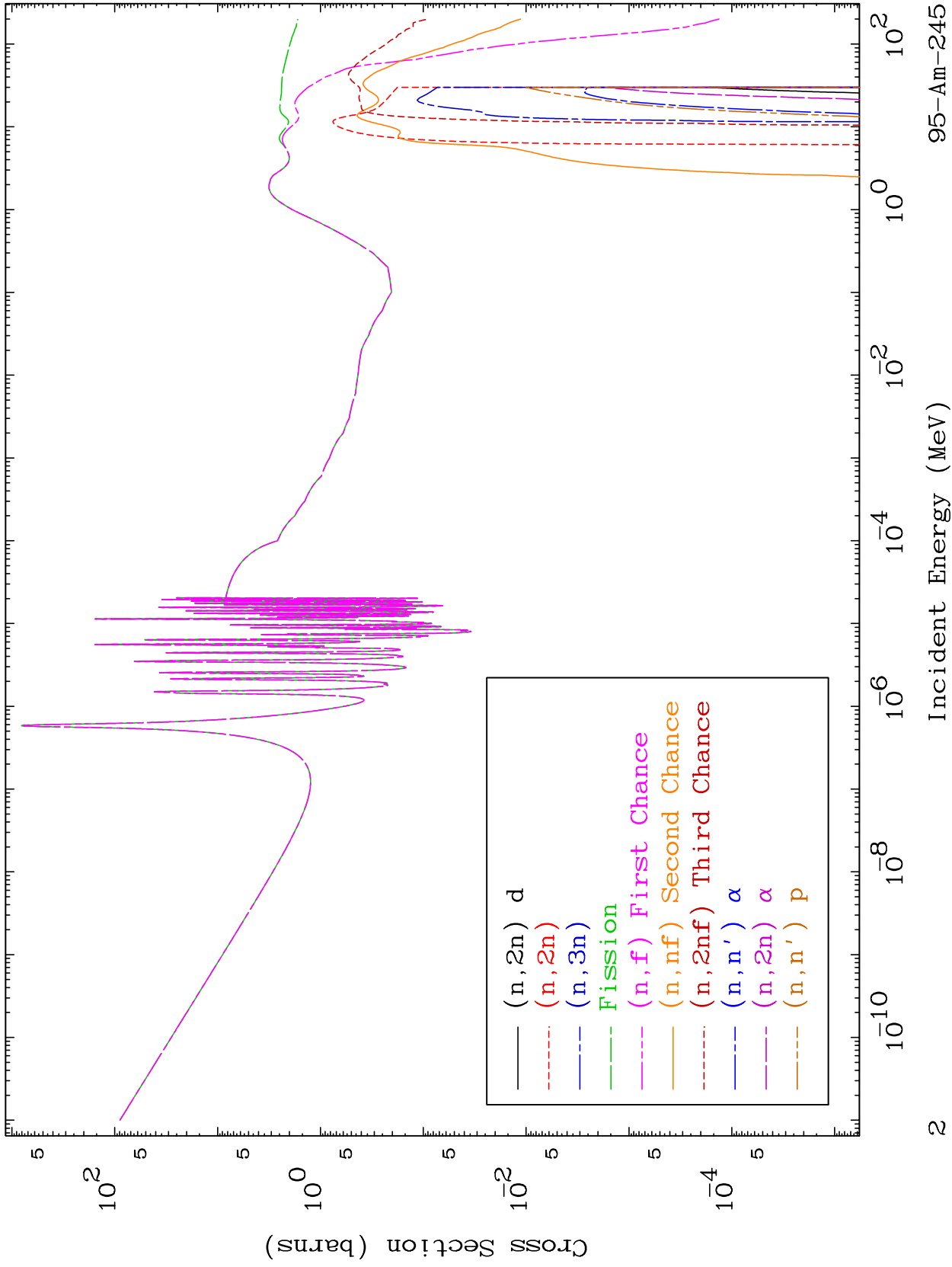
95-Am-245



MAT 9555

Neutron Absorption
293 Kelvin Cross Sections

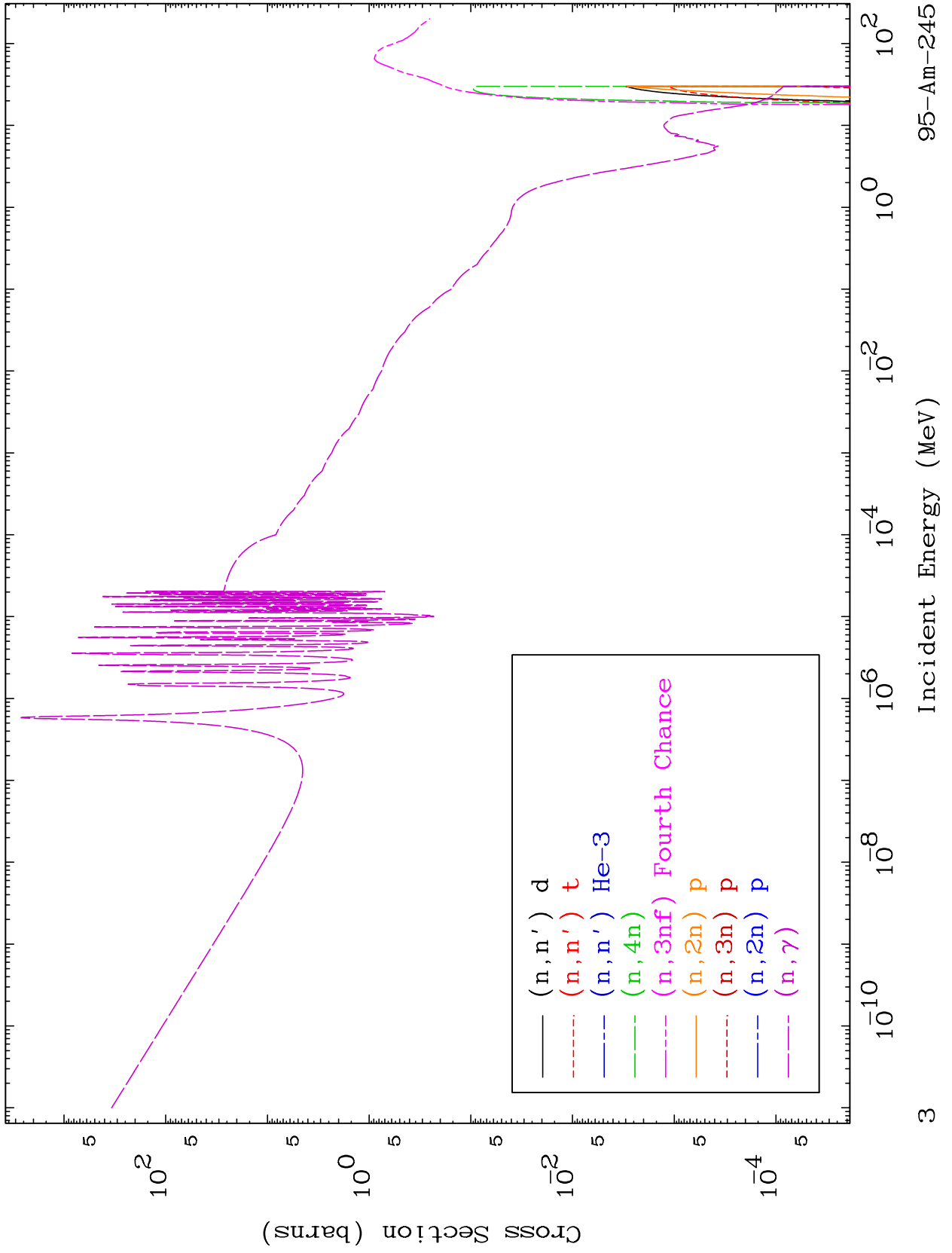
95-Am-245



MAT 9555

Neutron Absorption
293 Kelvin Cross Sections

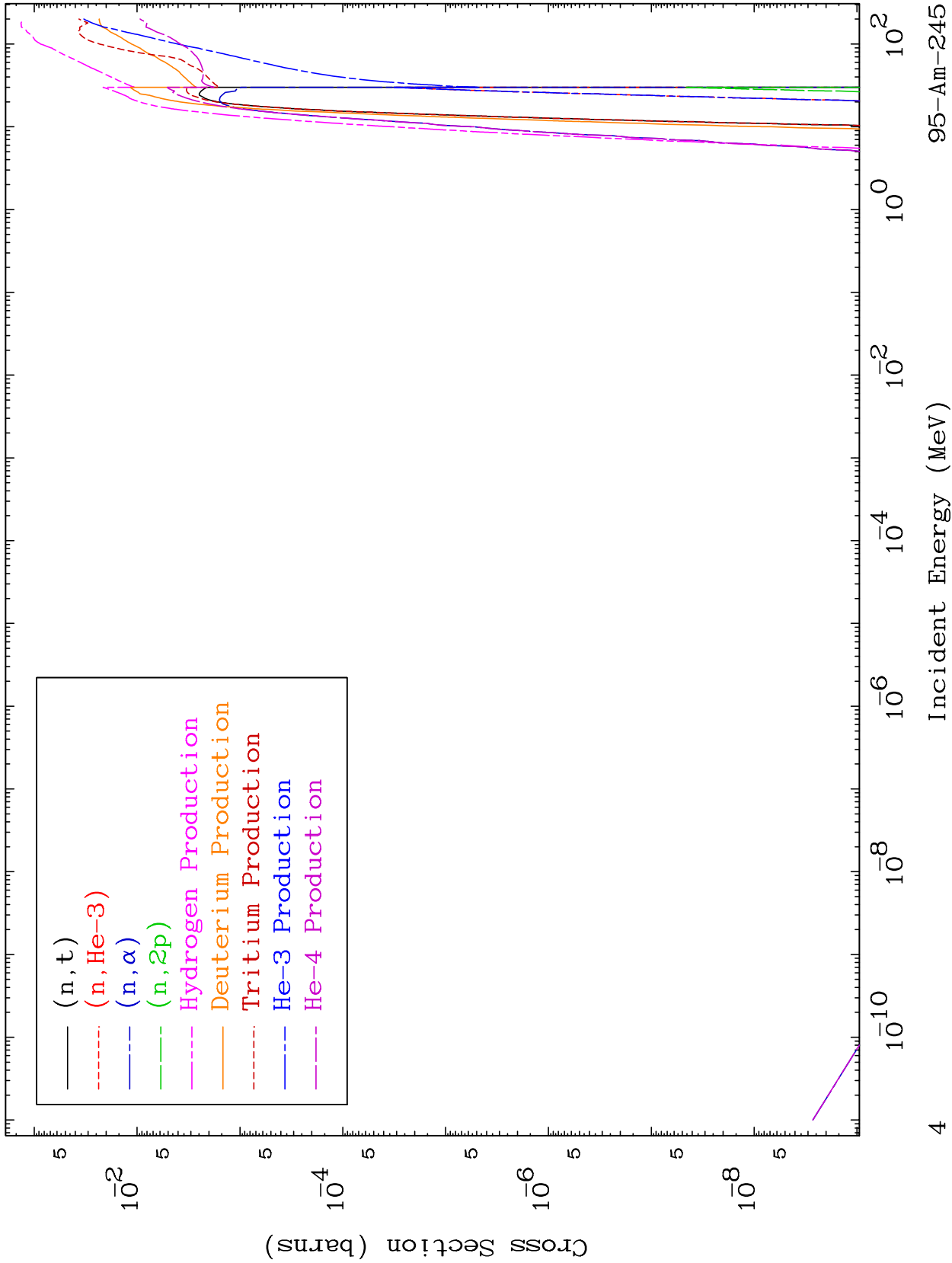
95-Am-245



MAT 9555

Neutron Absorption
293 Kelvin Cross Sections

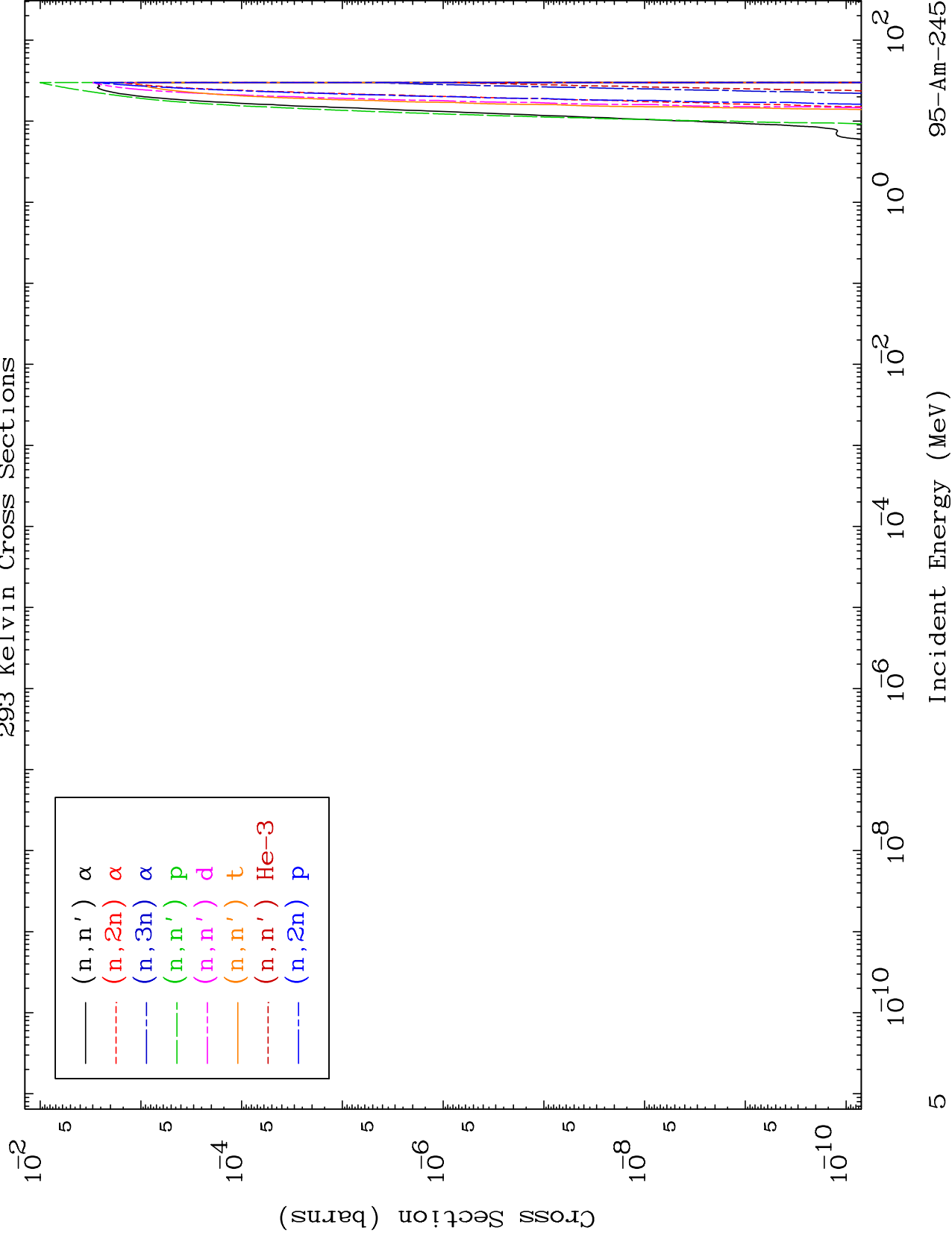
95-Am-245

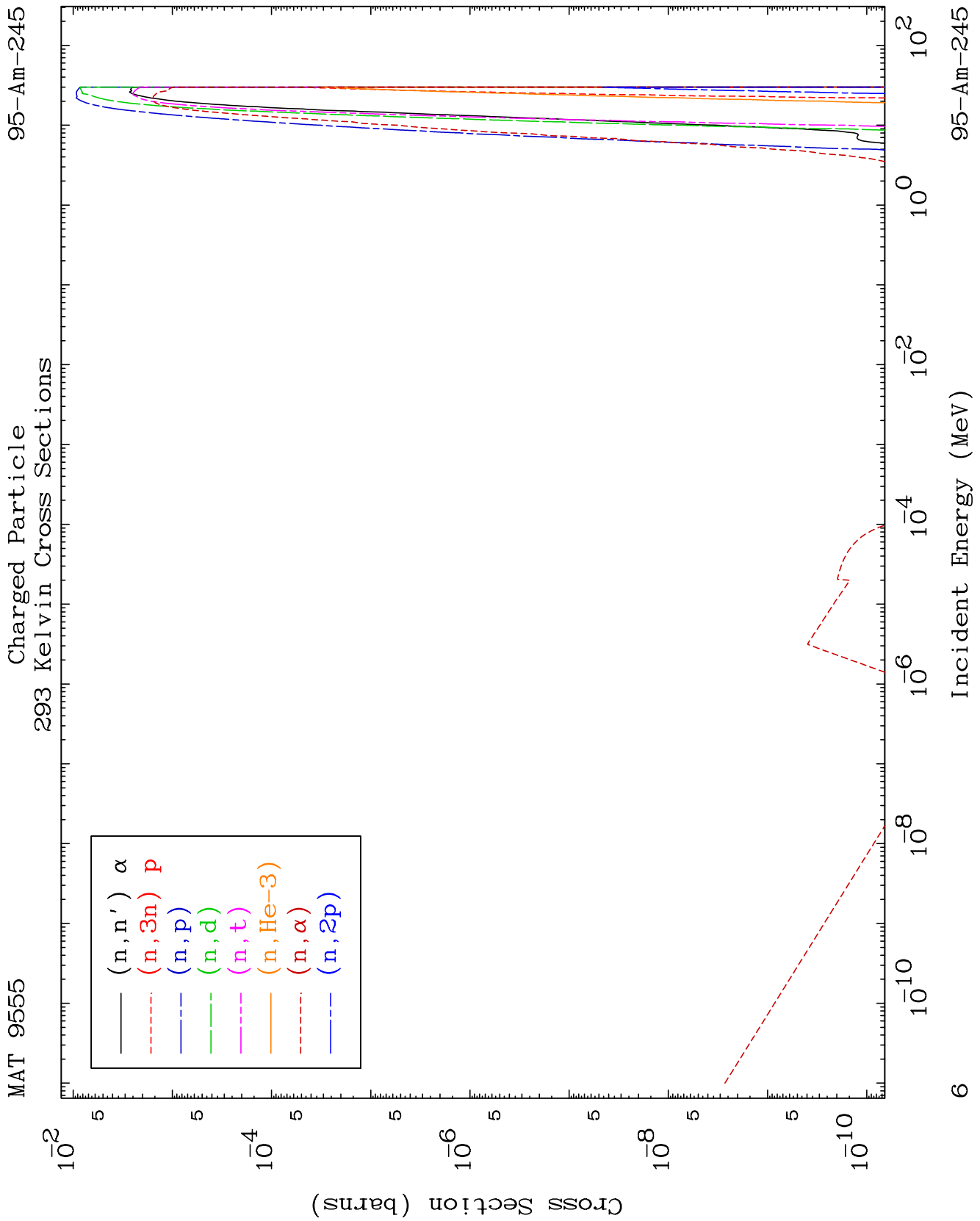


MAT 9555

Charged Particle
293 Kelvin Cross Sections

95-Am-245

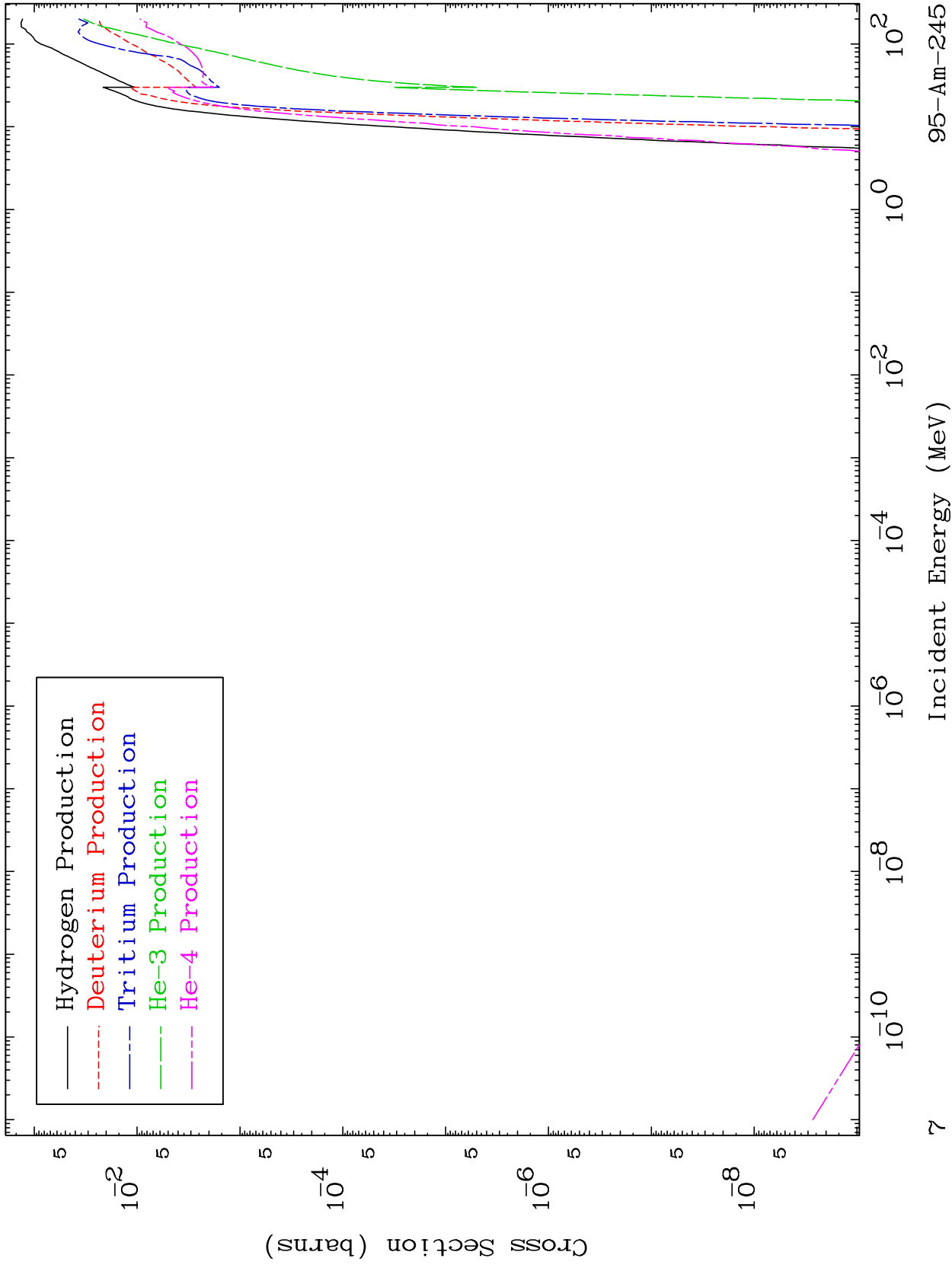




MAT 9555

Particle Production
293 Kelvin Cross Sections

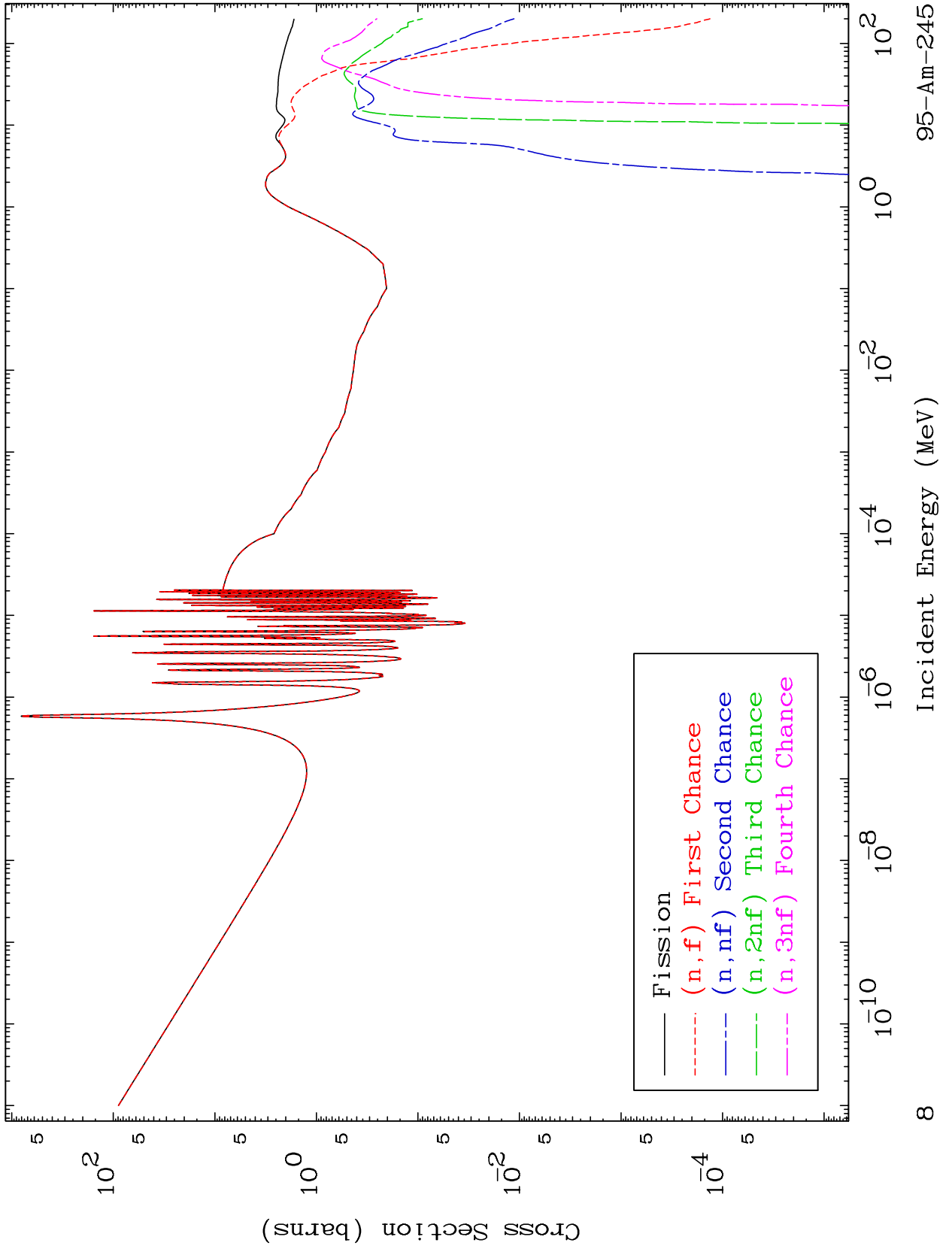
95-Am-245

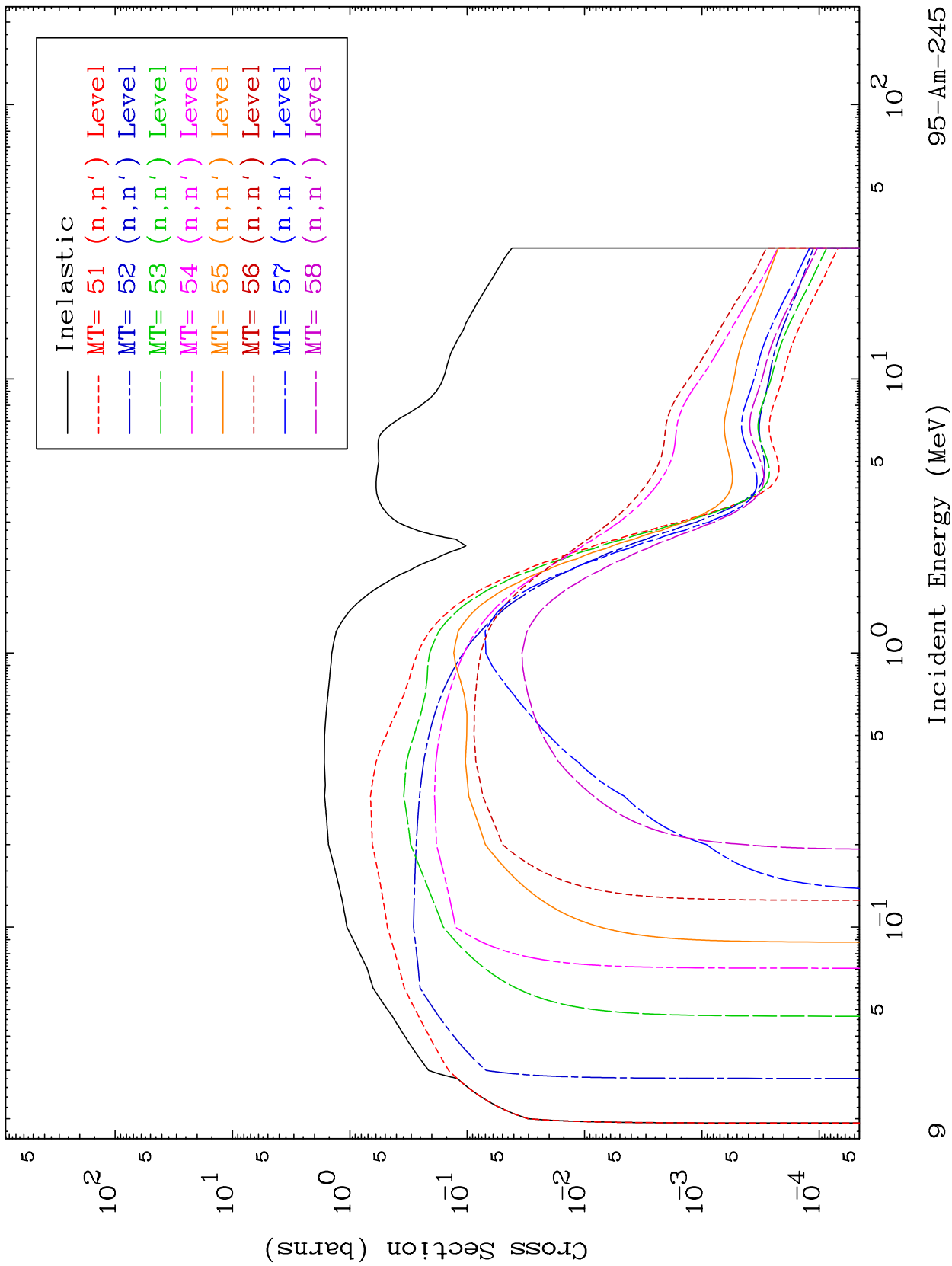


MAT 9555

Fission
293 Kelvin Cross Sections

95-Am-245



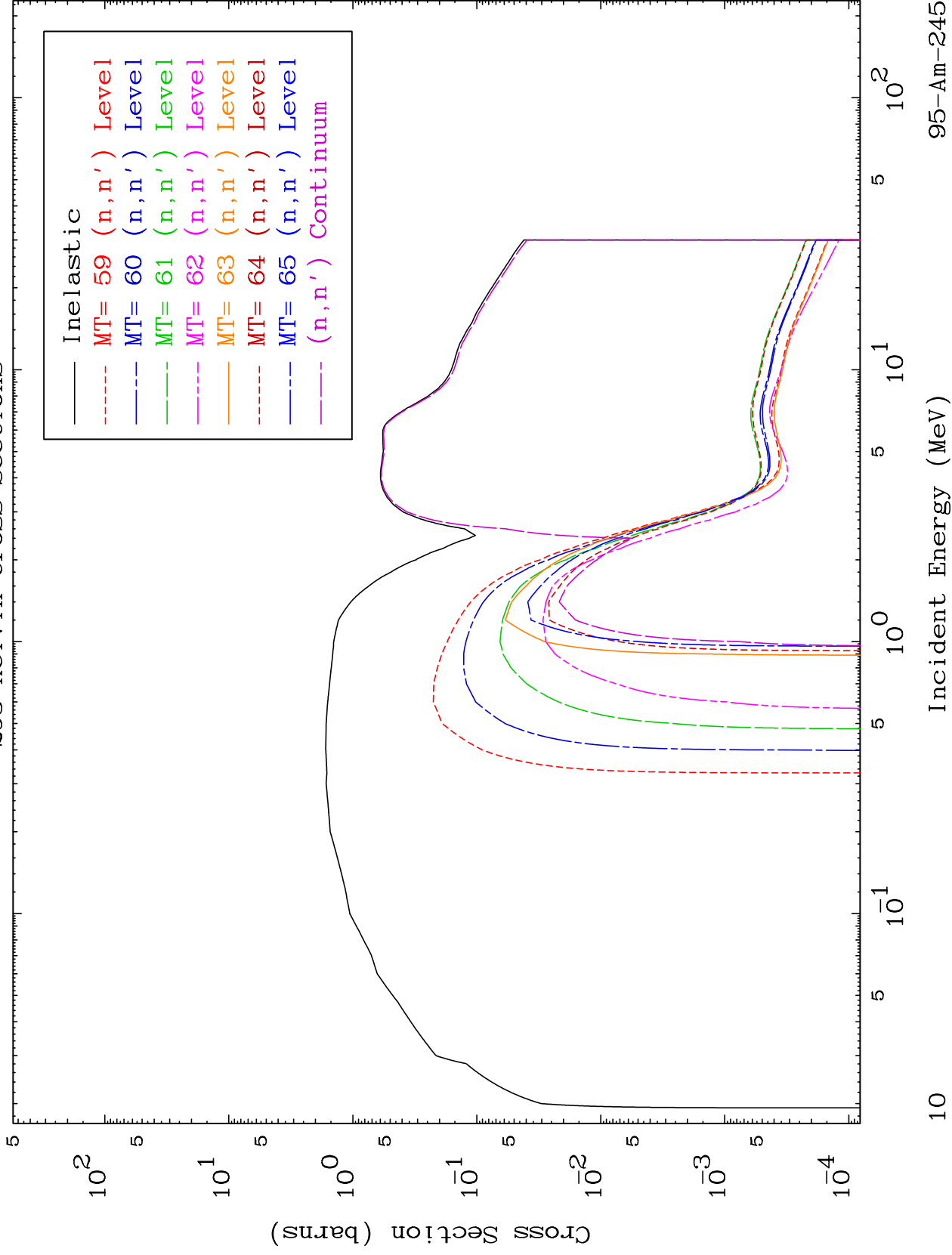


MAT 9555

(n,n') Levels

293 Kelvin Cross Sections

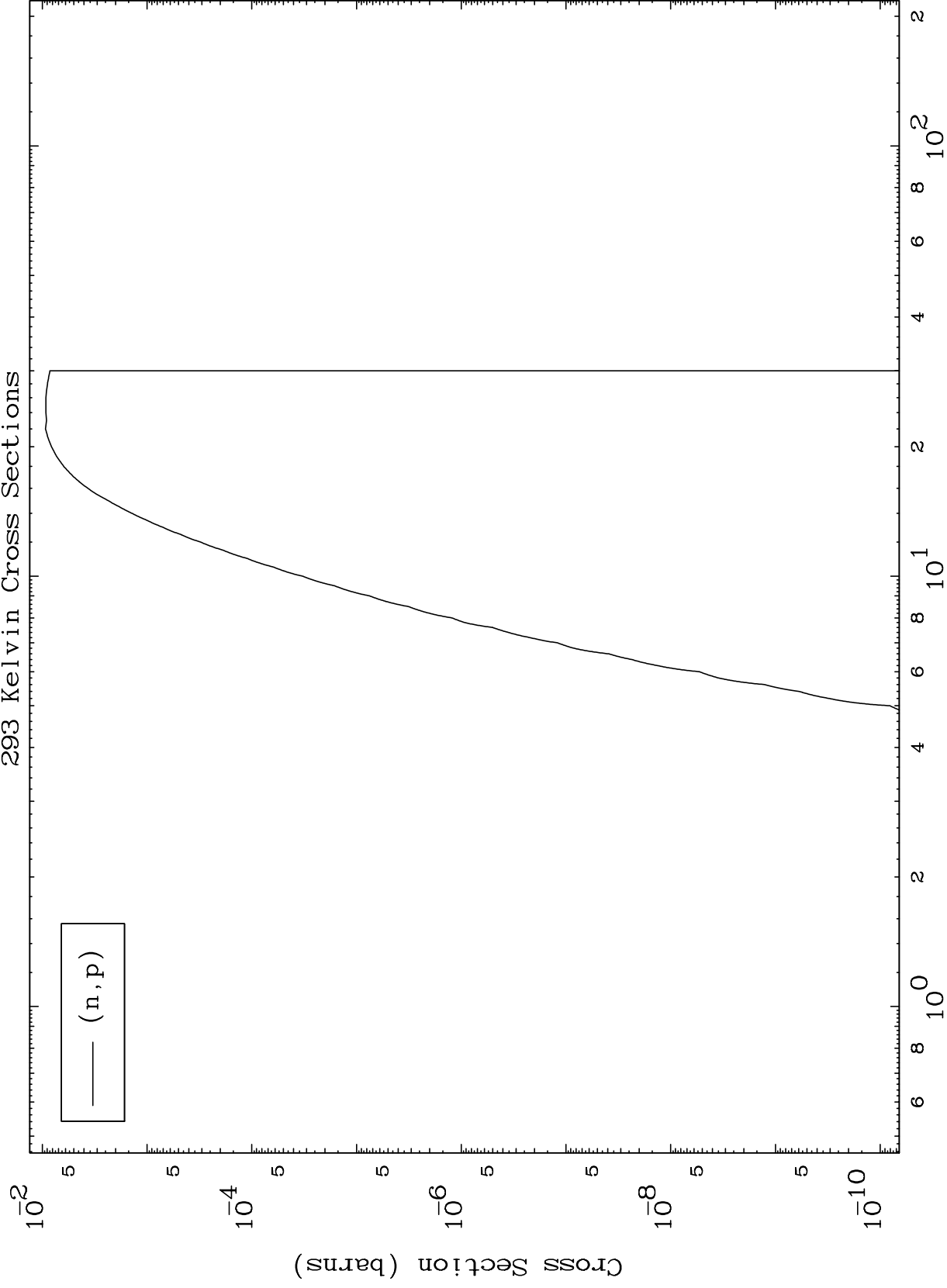
95-Am-245



MAT 9555

(n,p) Levels
293 Kelvin Cross Sections

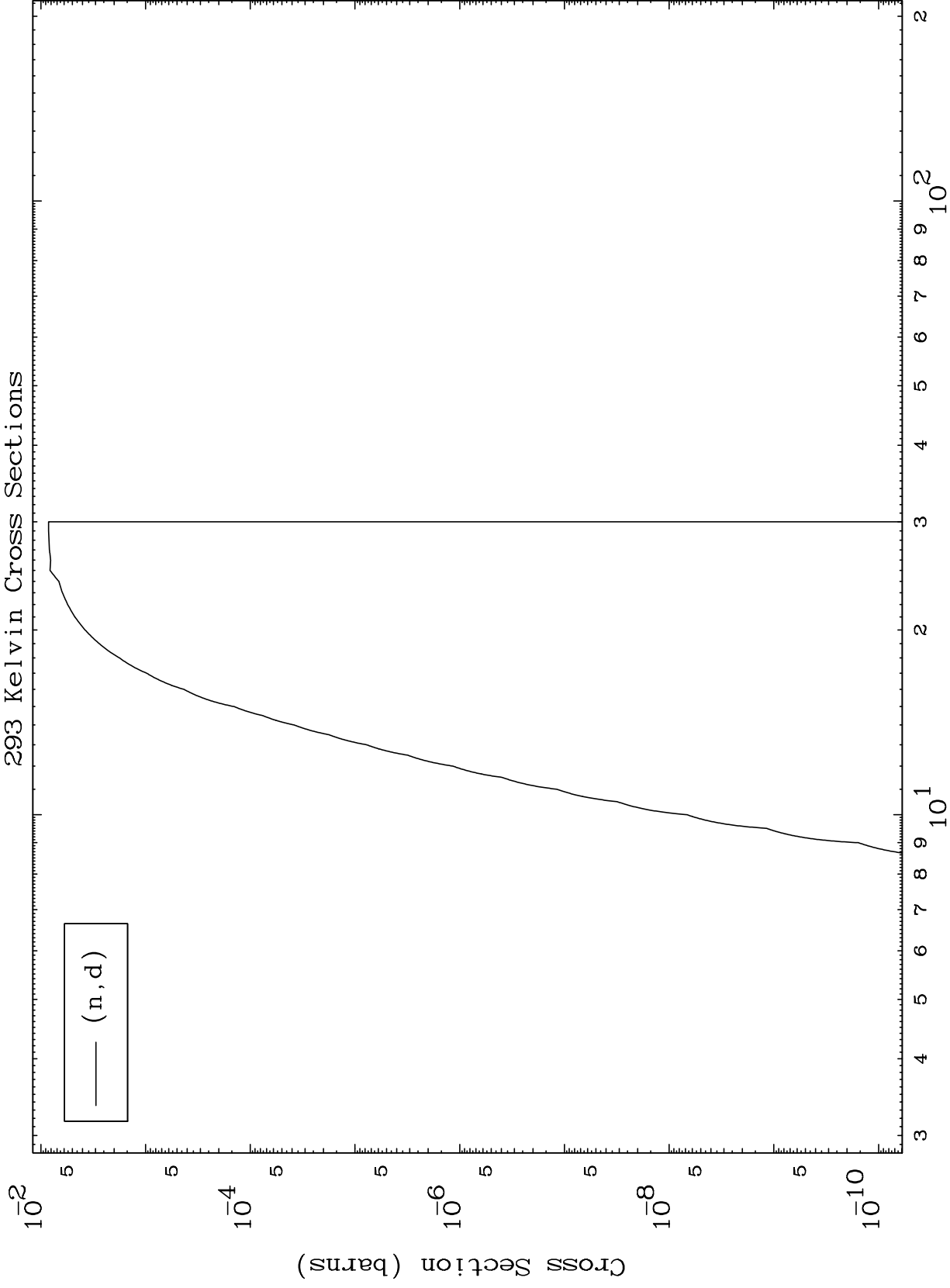
95-Am-245



MAT 9555

(n,d) Levels
293 Kelvin Cross Sections

95-Am-245



12

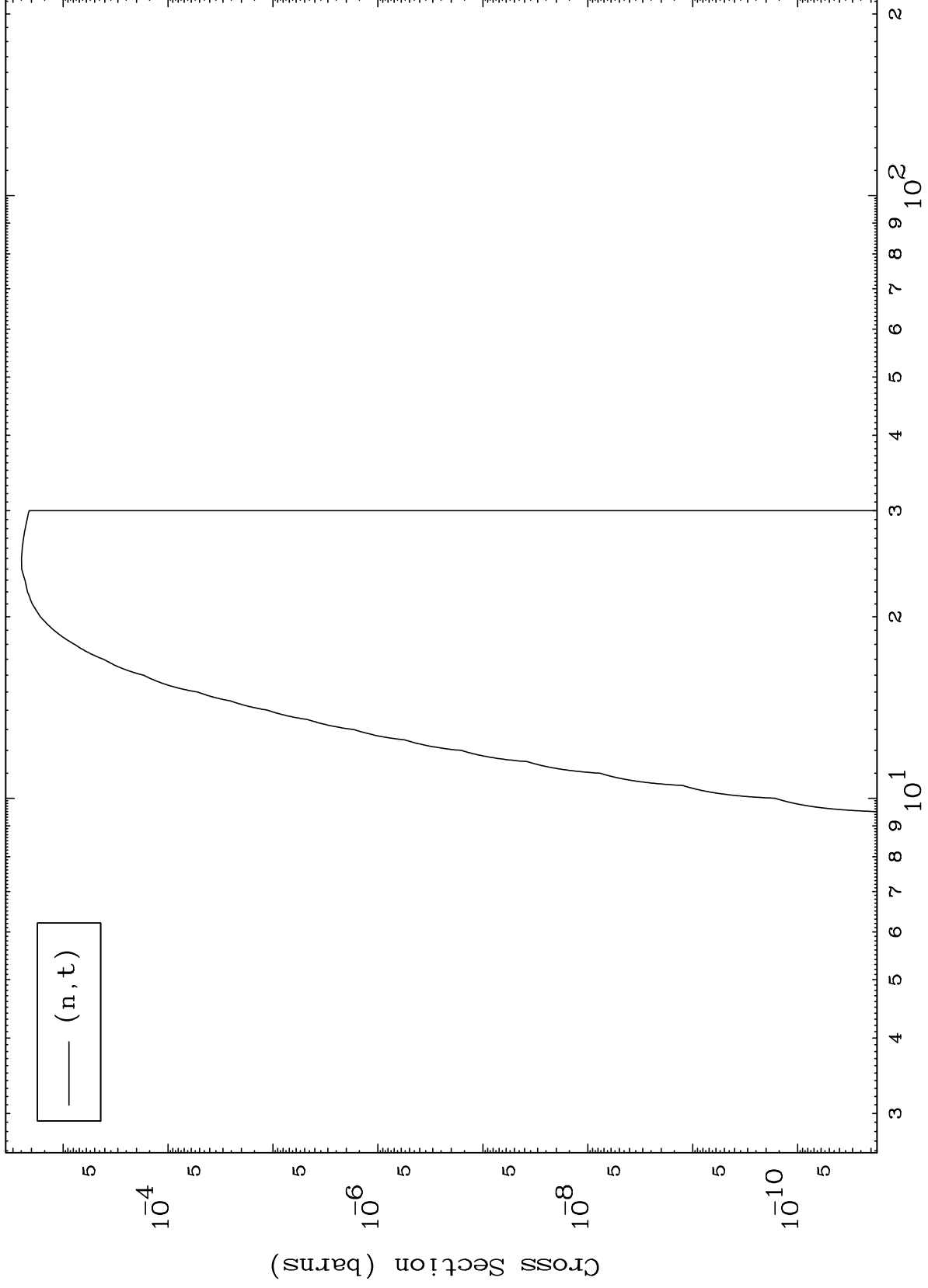
Incident Energy (MeV)

95-Am-245

MAT 9555

(n,t) Levels
293 Kelvin Cross Sections

95-Am-245



(n,t)

13

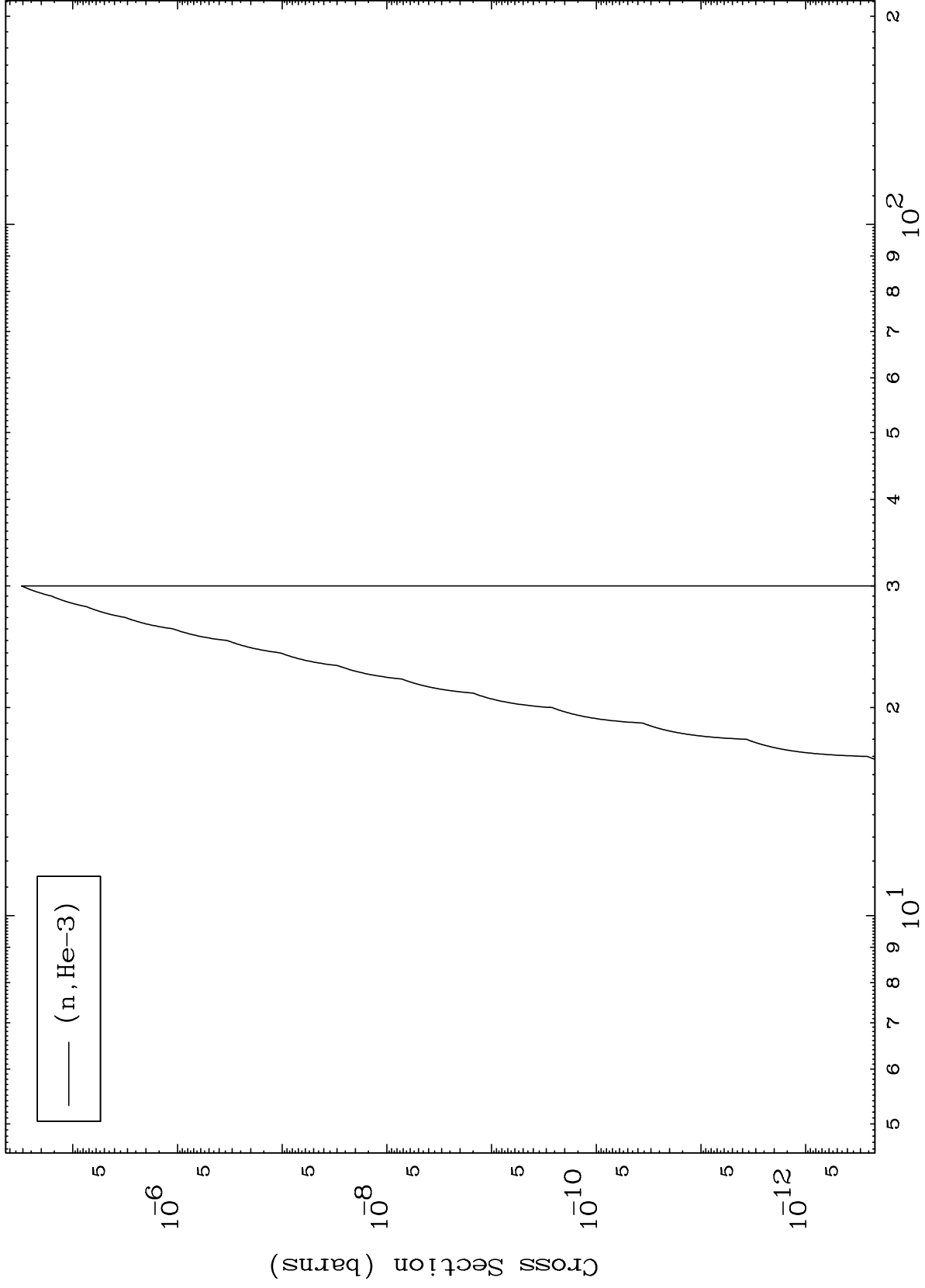
Incident Energy (MeV)

95-Am-245

MAT 9555

(n,He3) Levels
293 Kelvin Cross Sections

95-Am-245



14

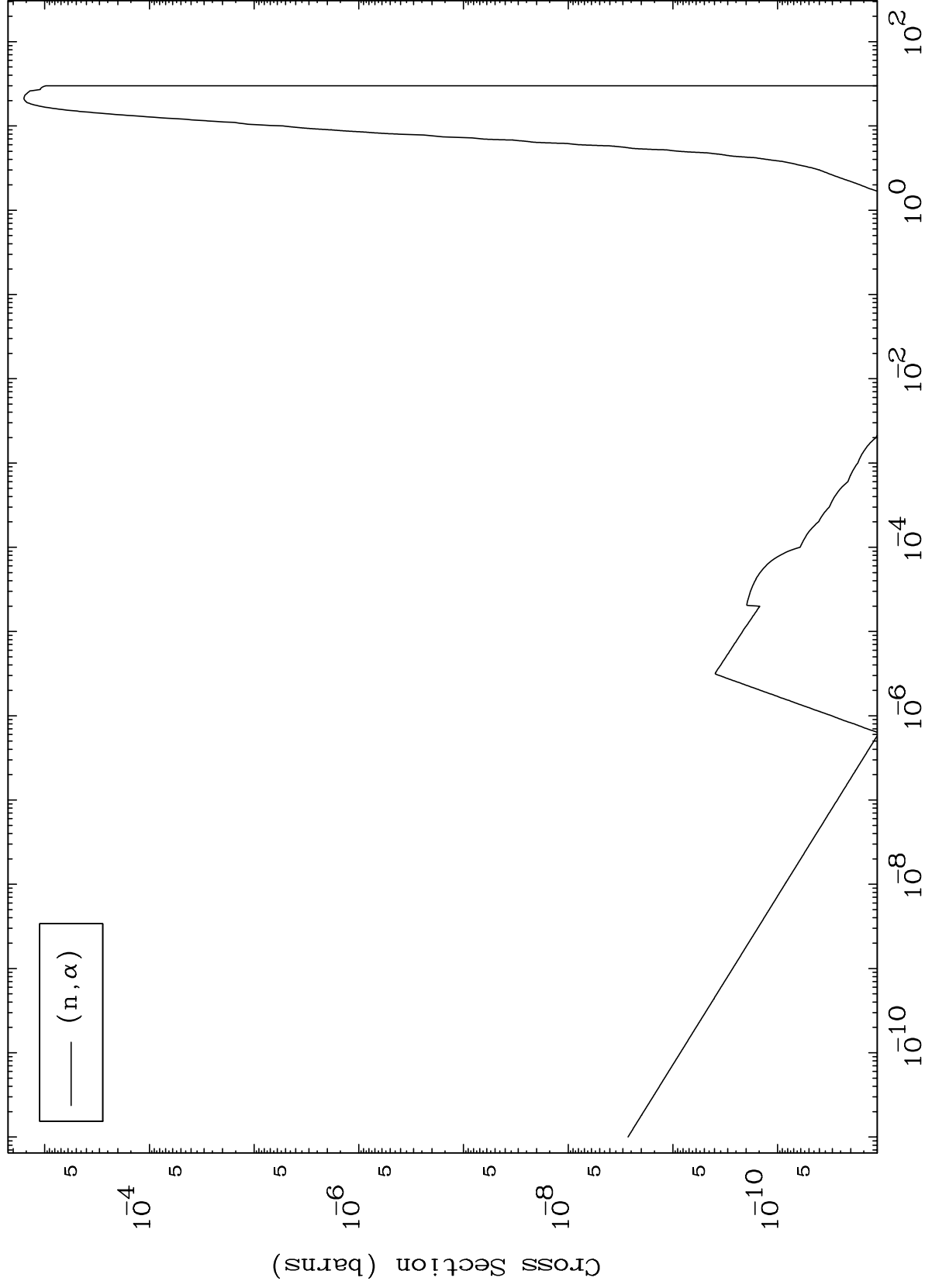
Incident Energy (MeV)

95-Am-245

MAT 9555

(n, α) Levels
293 Kelvin Cross Sections

95-Am-245



15

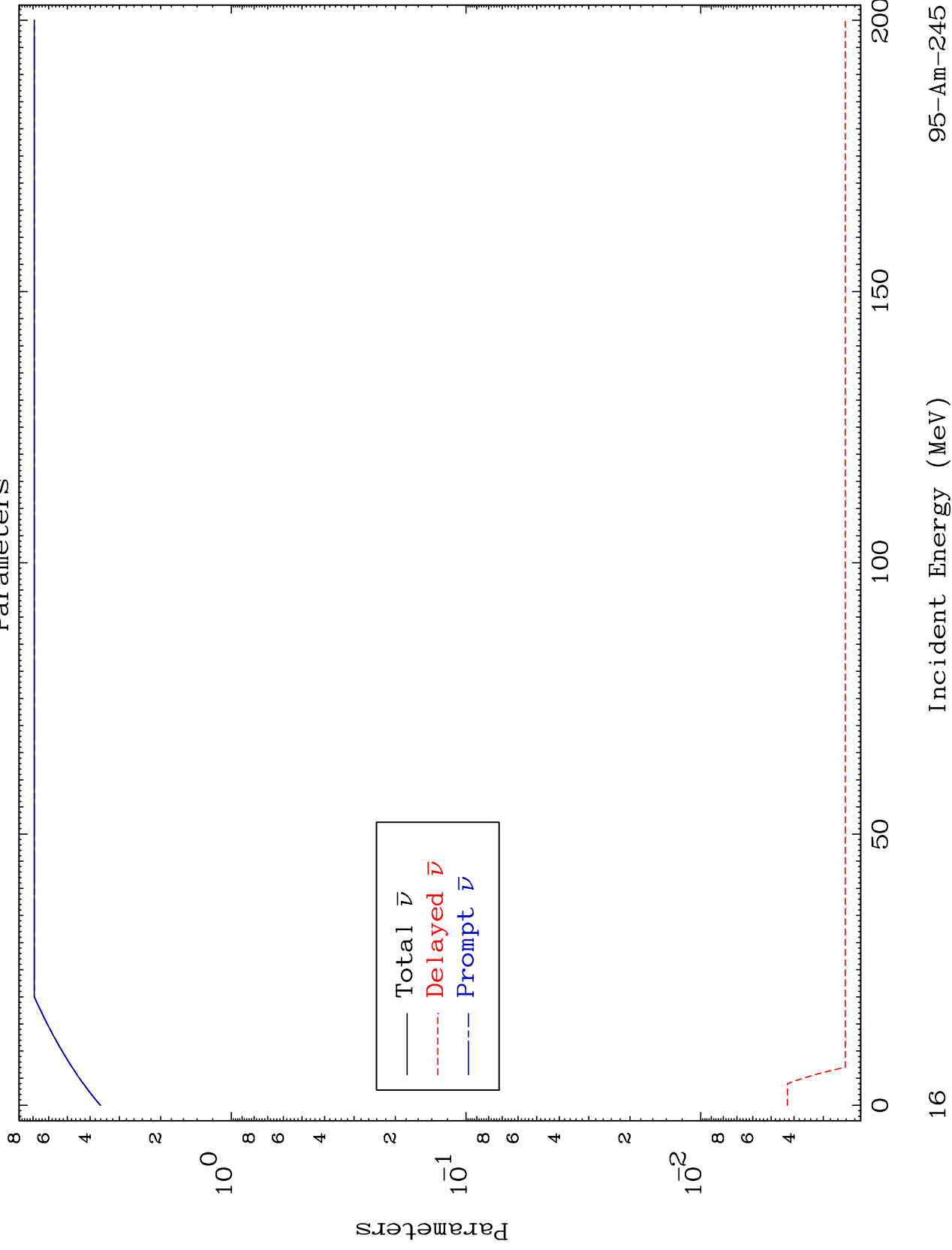
Incident Energy (MeV)

95-Am-245

MAT 9555

Energy Release
Parameters

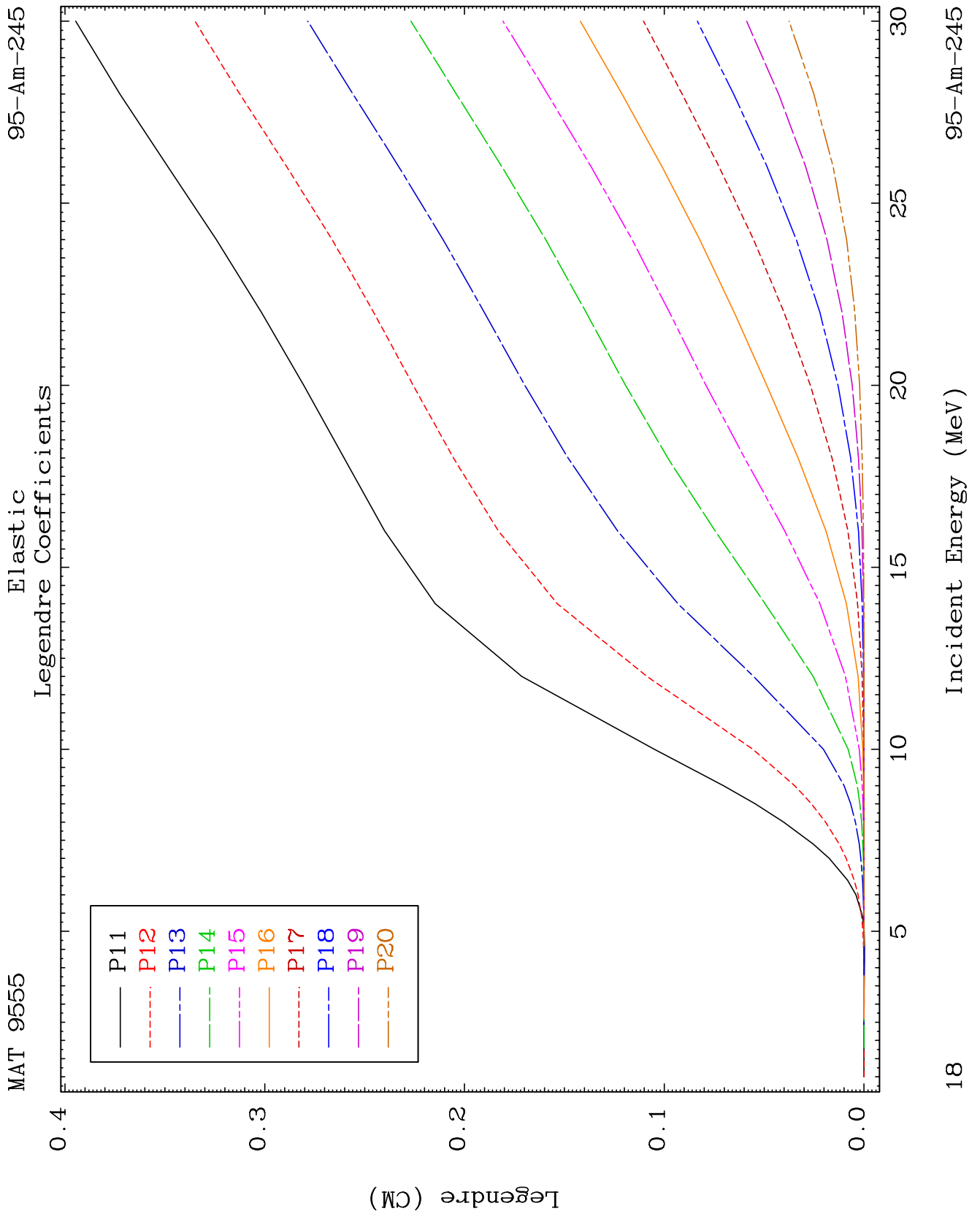
95-Am-245



16

Incident Energy (MeV)

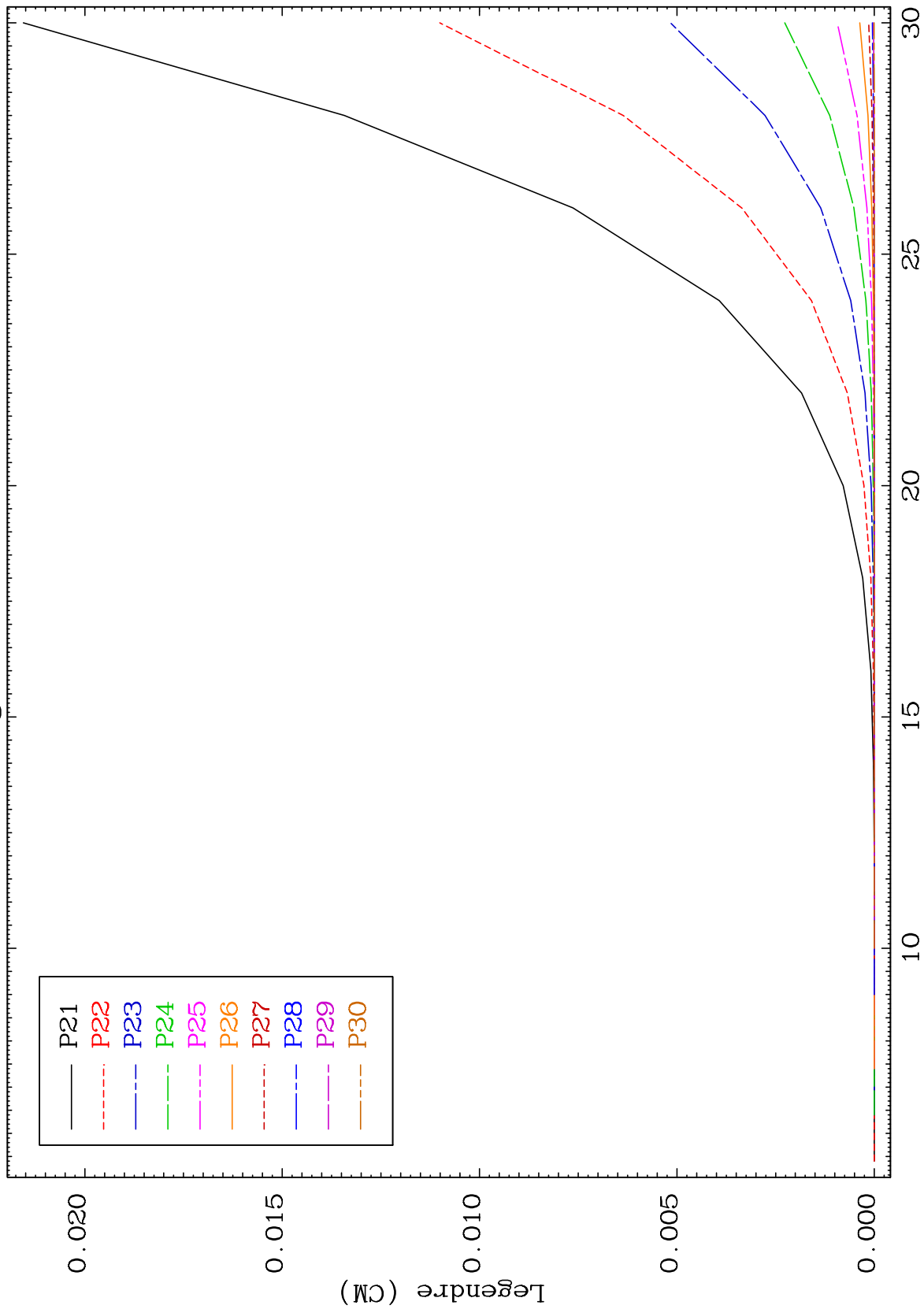
95-Am-245



MAT 9555

Elastic Legendre Coefficients

95-Am-245



19

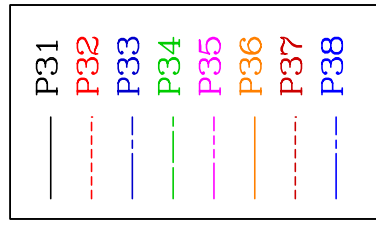
Incident Energy (MeV)

95-Am-245

MAT 9555

Elastic Legendre Coefficients

95-Am-245



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

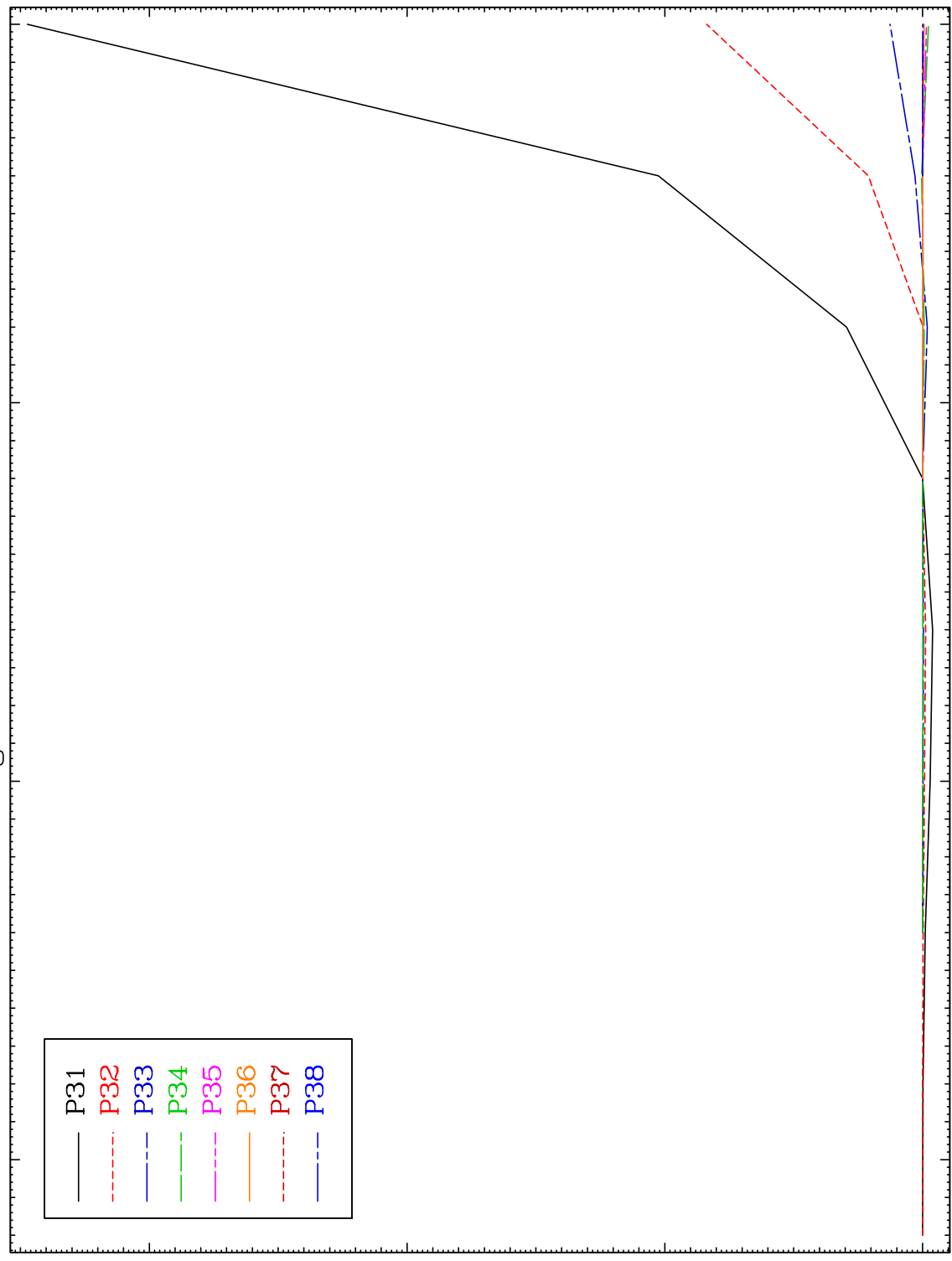
25

30

20

Incident Energy (MeV)

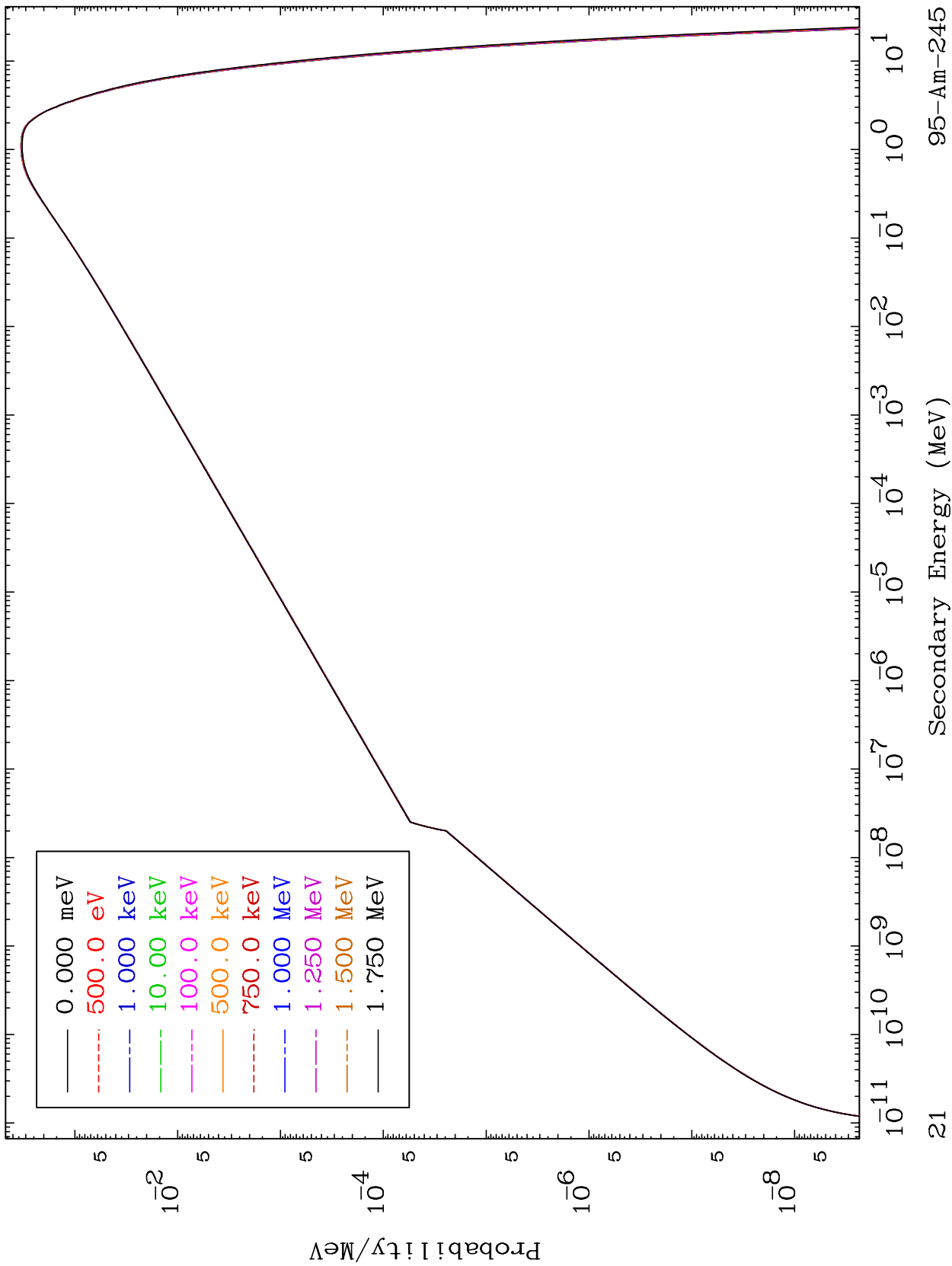
95-Am-245



MAT 9555

Fission Energy Distributions

95-Am-245

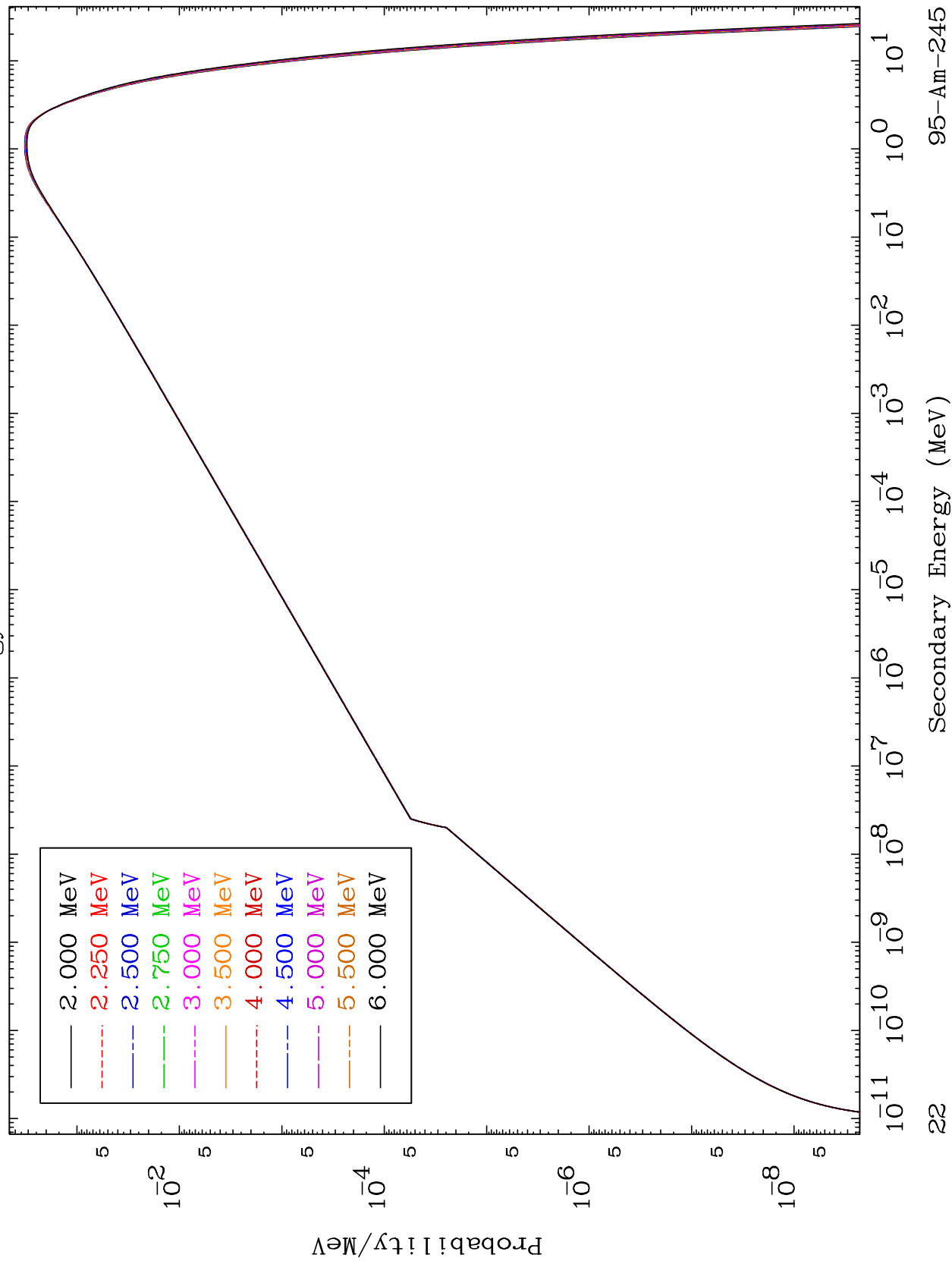


95-Am-245

MAT 9555

Fission Energy Distributions

95-Am-245



95-Am-245

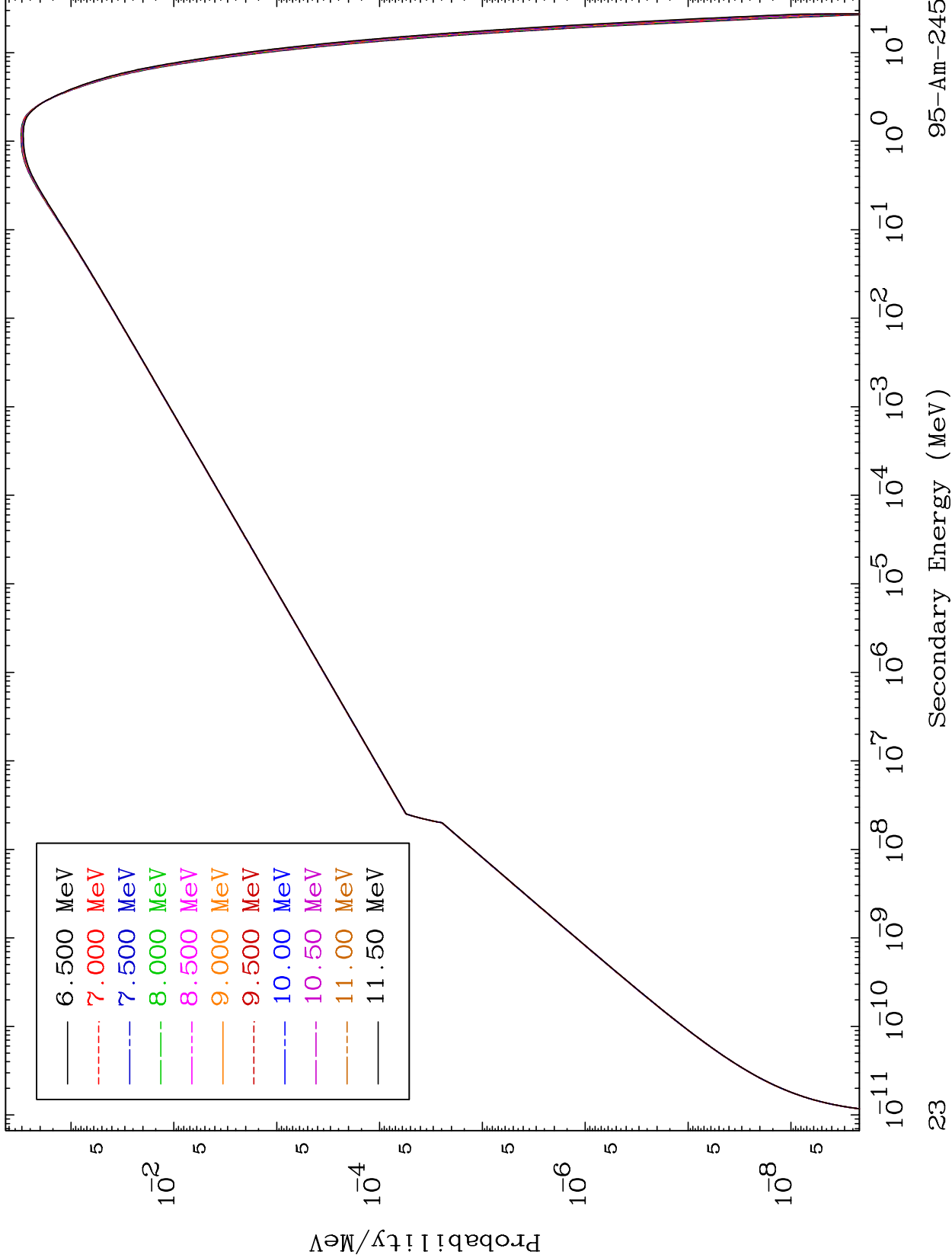
Secondary Energy (MeV)

22

MAT 9555

Fission Energy Distributions

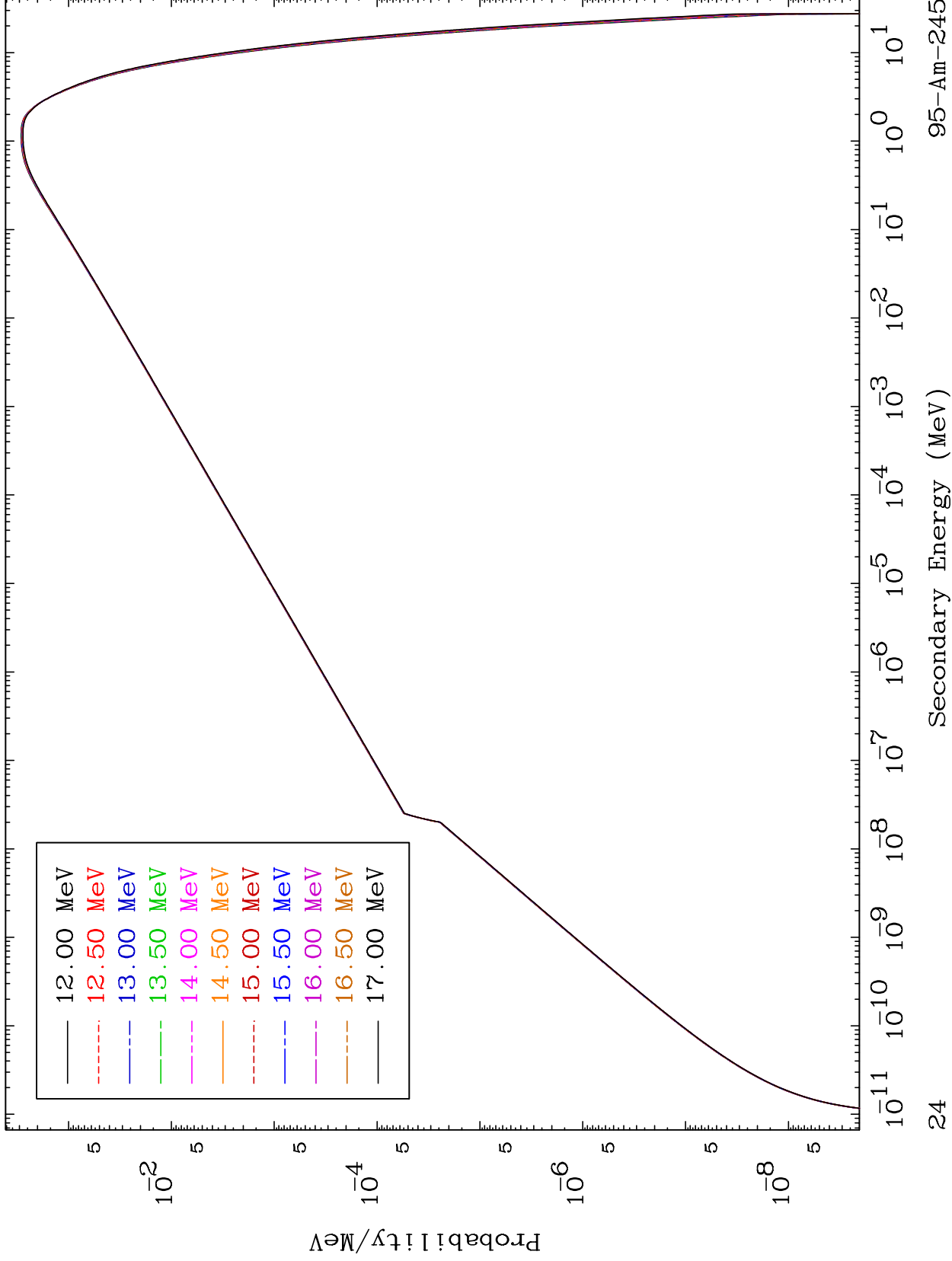
95-Am-245



MAT 9555

Fission Energy Distributions

95-Am-245



95-Am-245

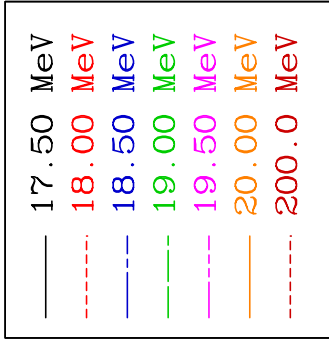
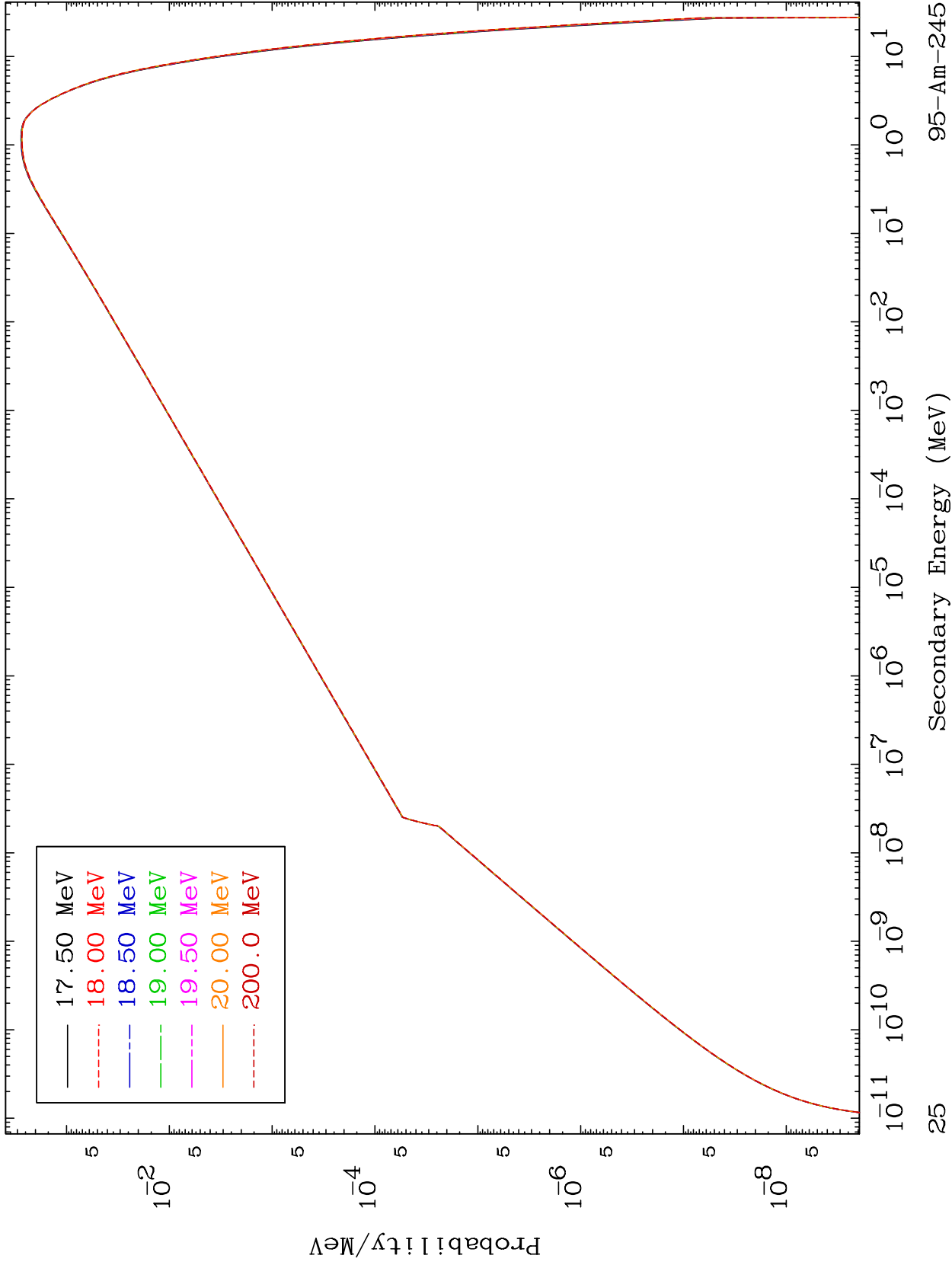
Secondary Energy (MeV)

24

MAT 9555

Fission Energy Distributions

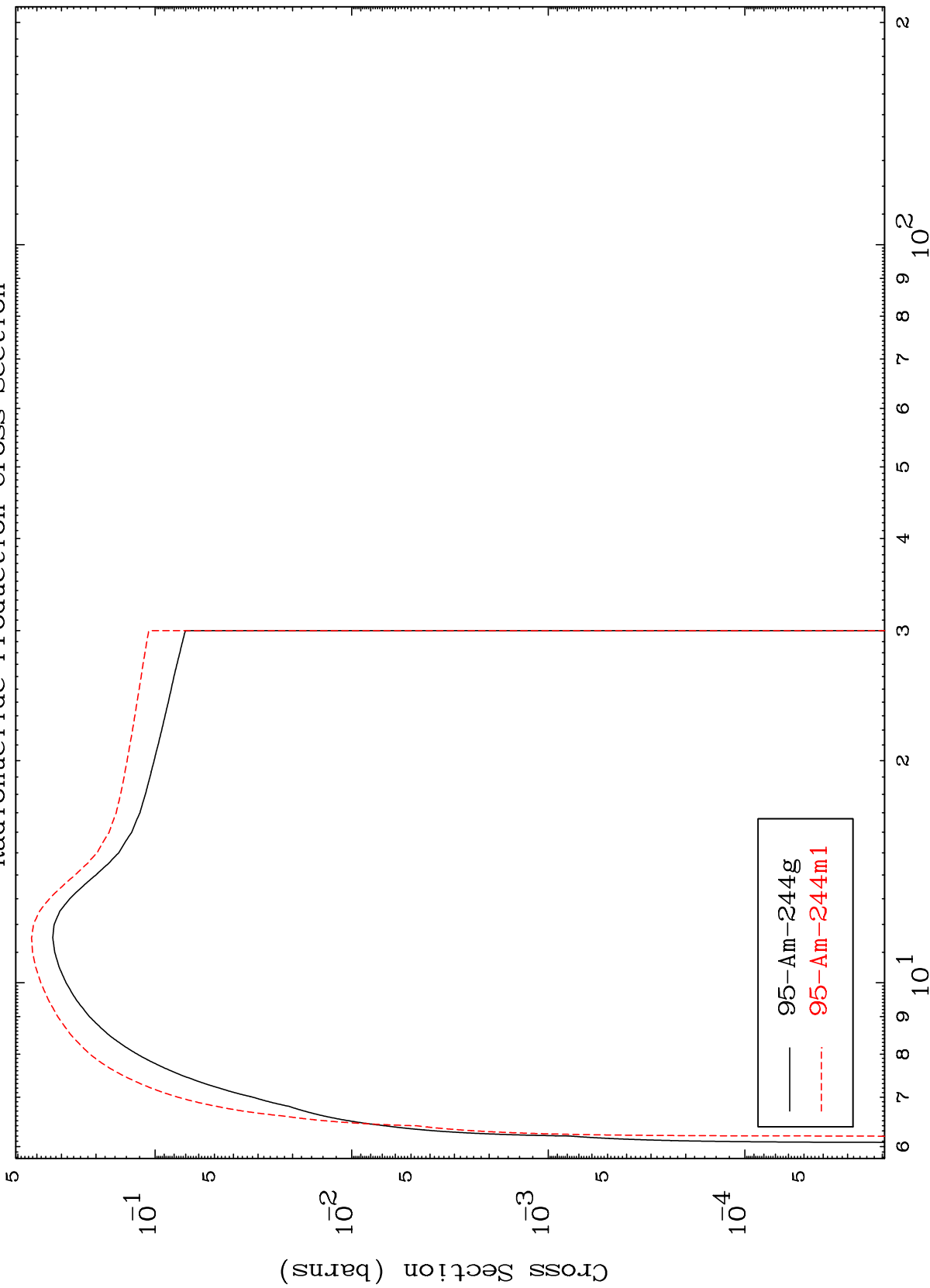
95-Am-245



MAT 9555

95-Am-245

Radionuclide Production Cross Section
(n,2n)



Incident Energy (MeV)

95-Am-245

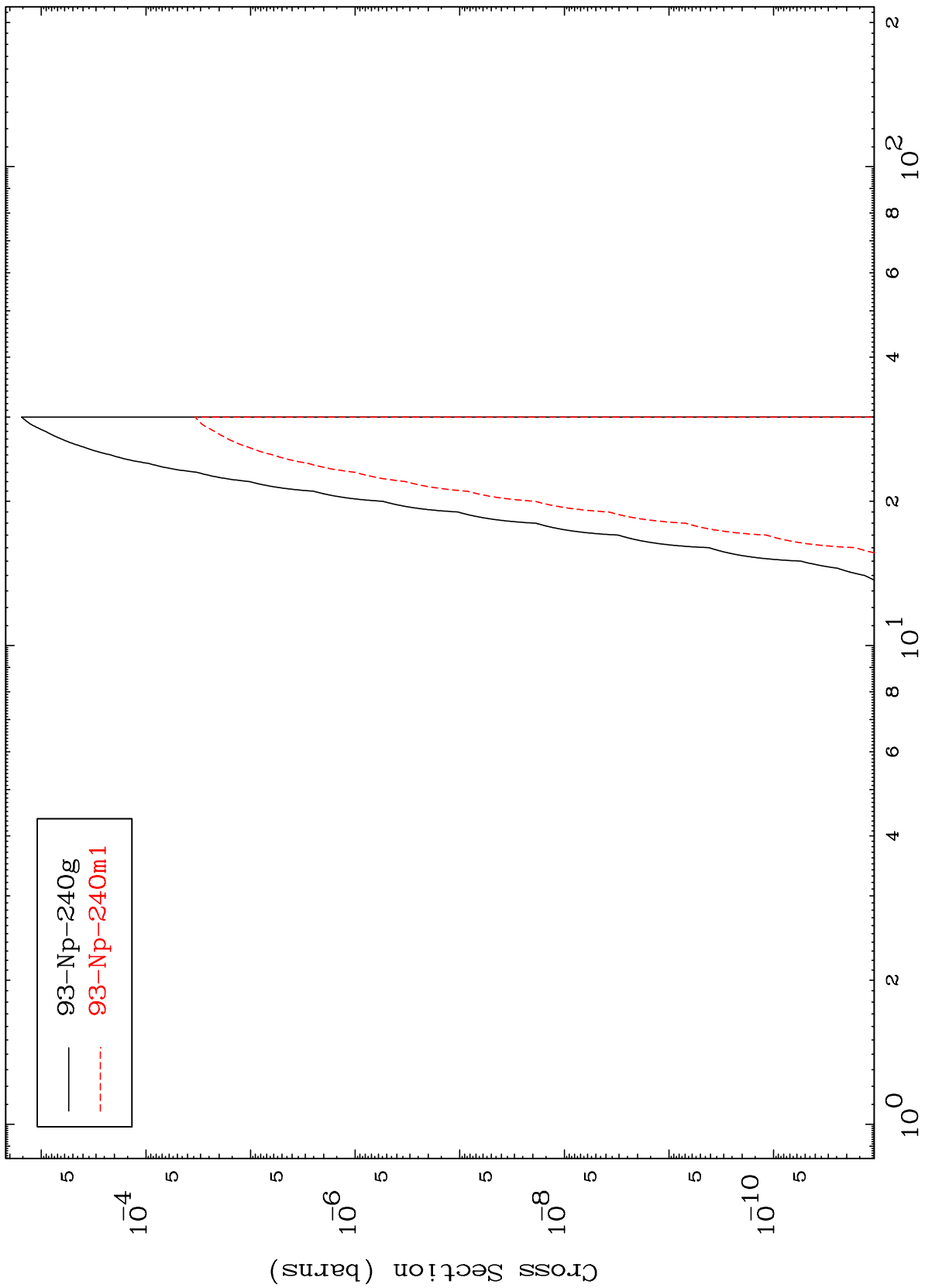
26

MAT 9555

(n,2n) α

95-Am-245

Radionuclide Production Cross Section



27

Incident Energy (MeV)

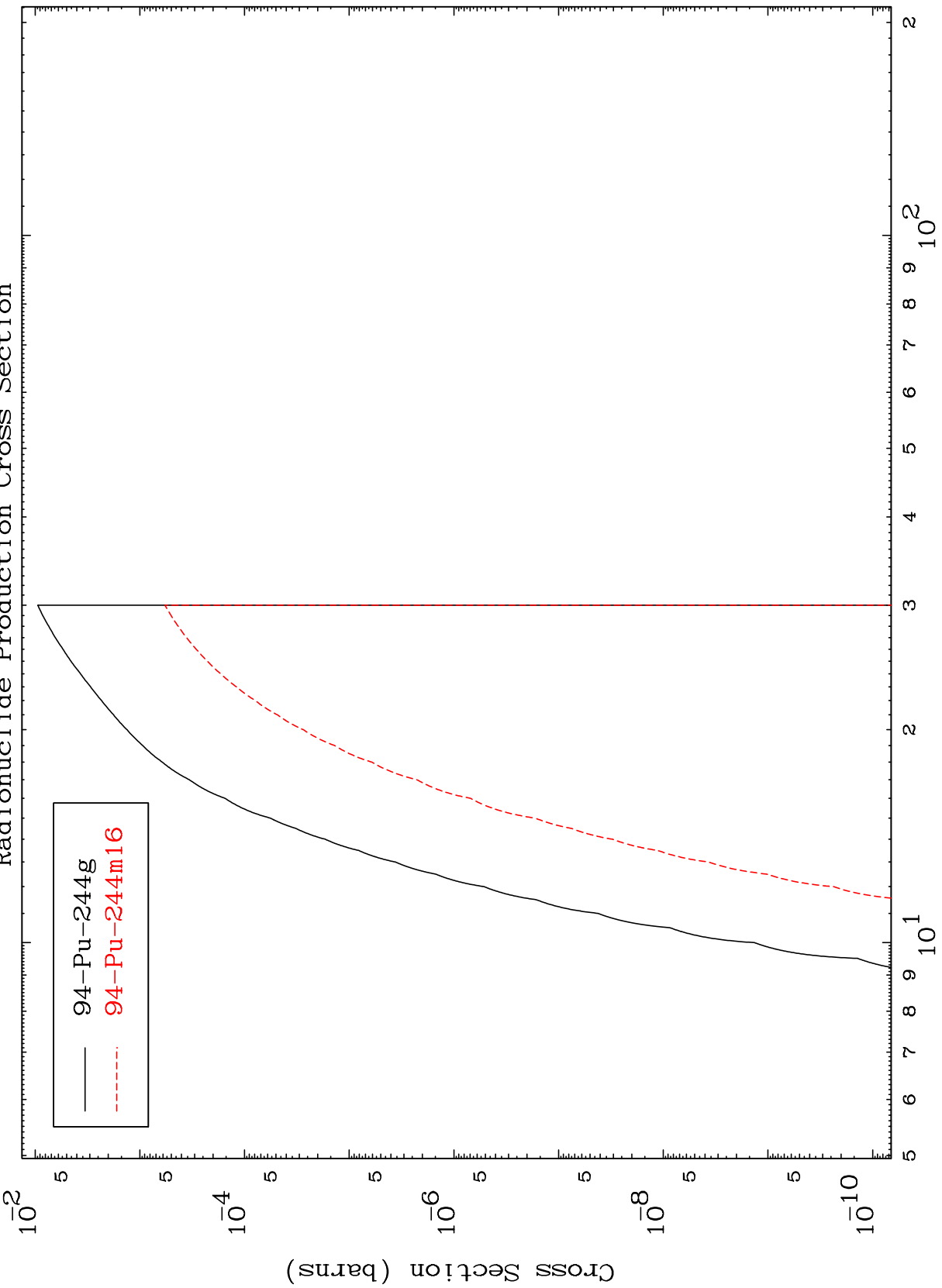
95-Am-245

MAT 9555

(n,n') p

95-Am-245

Radionuclide Production Cross Section



28

Incident Energy (MeV)

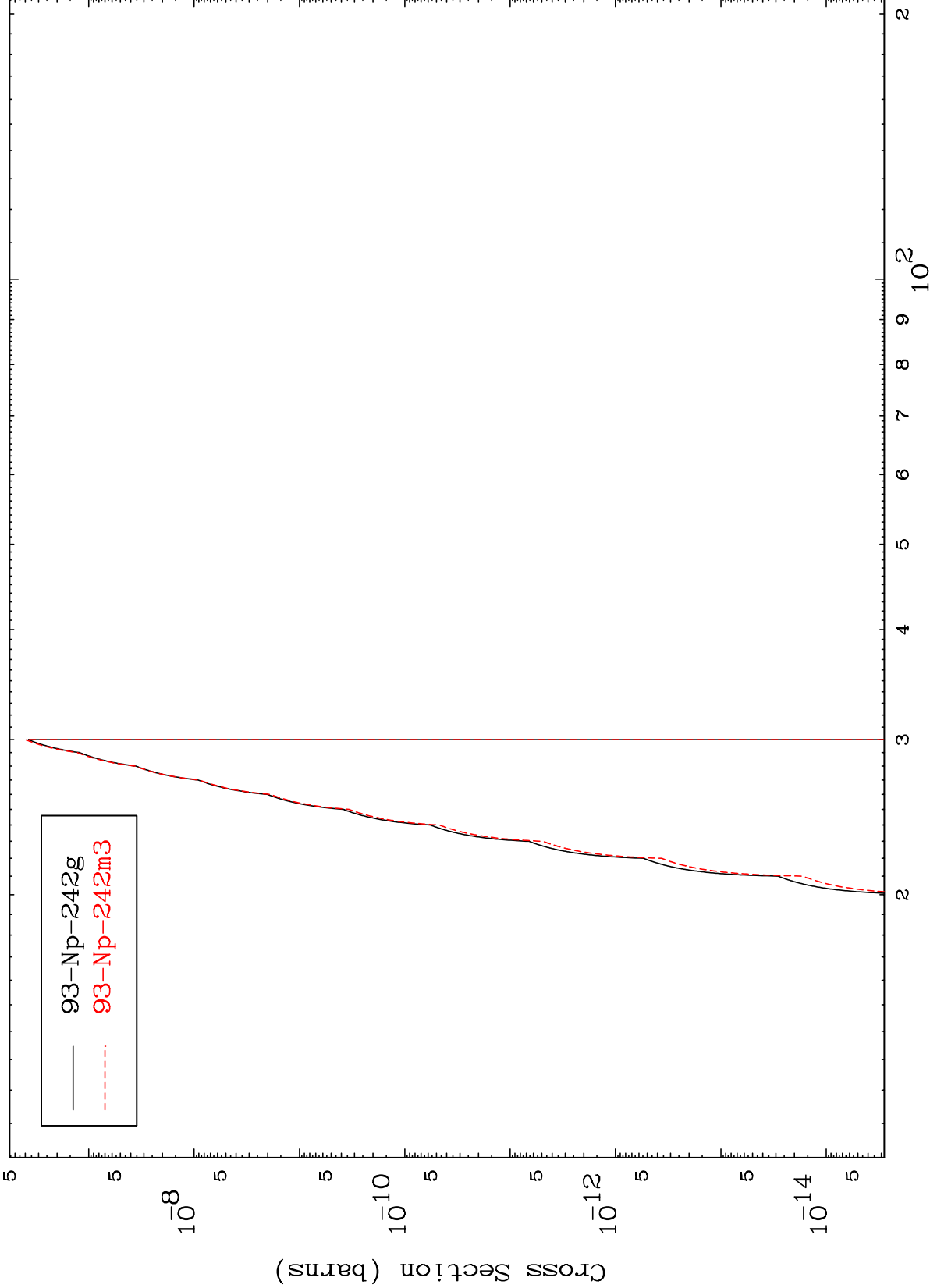
95-Am-245

MAT 9555

(n,n') He-3

95-Am-245

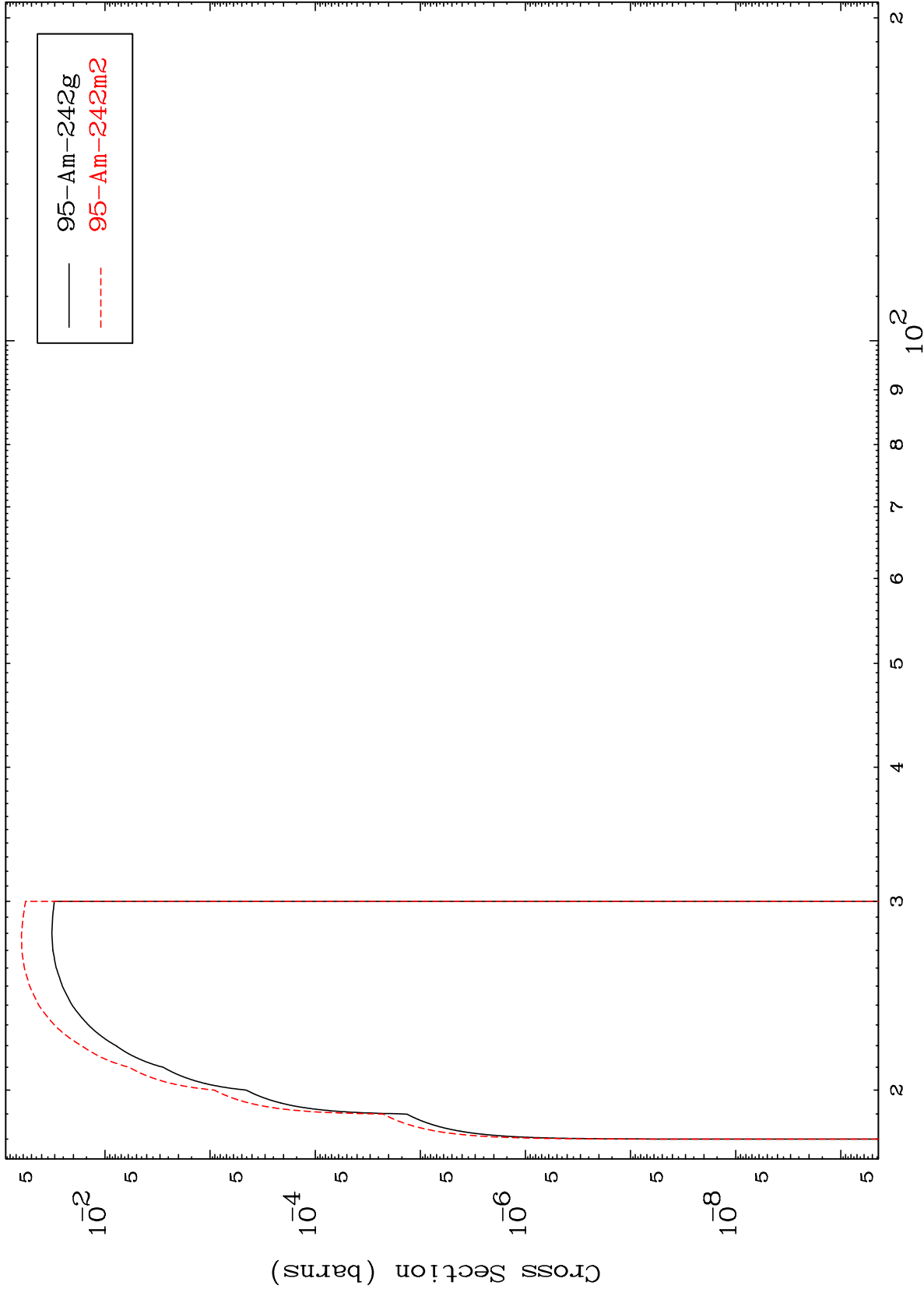
Radionuclide Production Cross Section



MAT 9555

95-Am-245

(n,4n)
Radionuclide Production Cross Section



95-Am-245

Incident Energy (MeV)

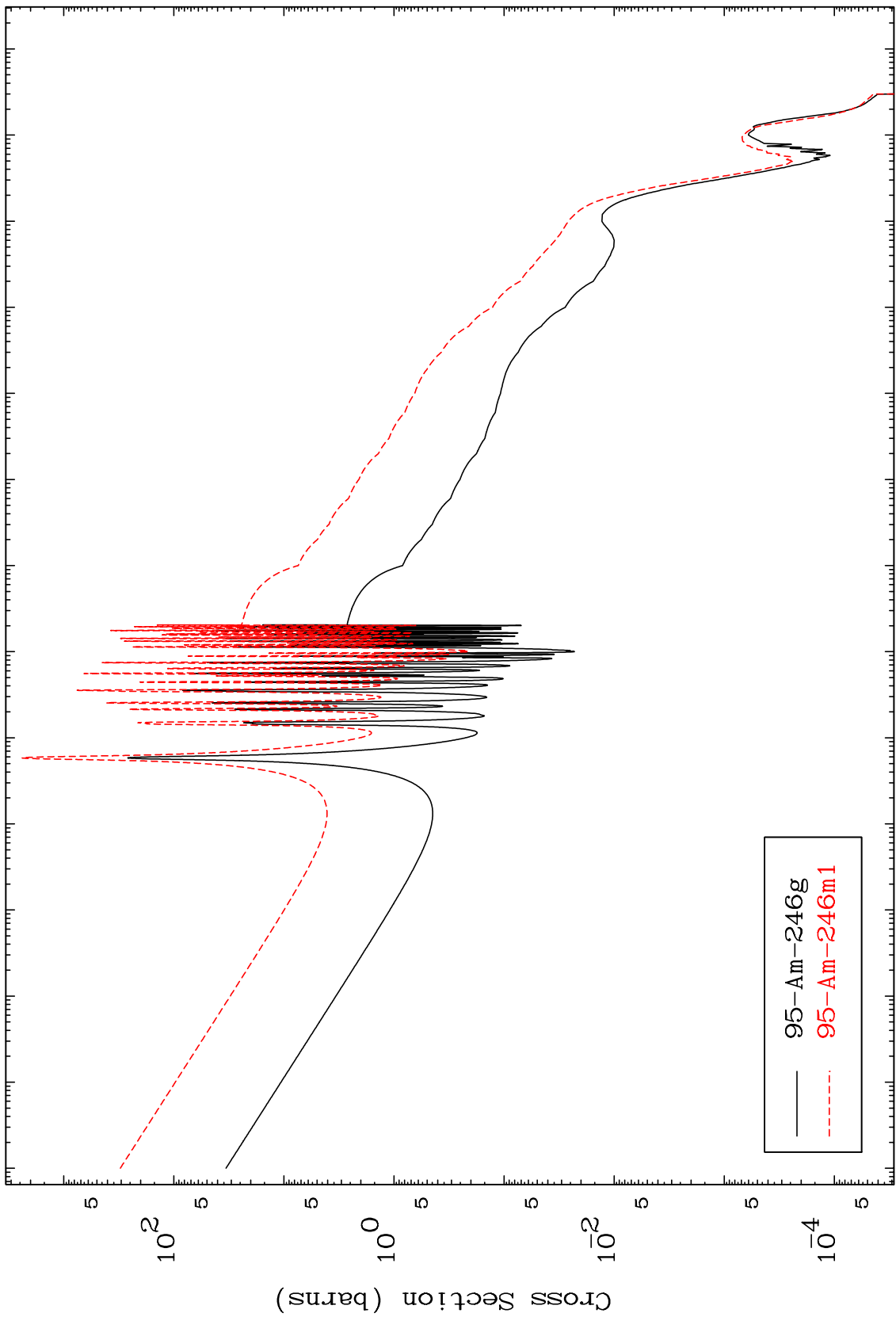
30

MAT 9555

95-Am-245

Radionuclide Production Cross Section

(n, γ)

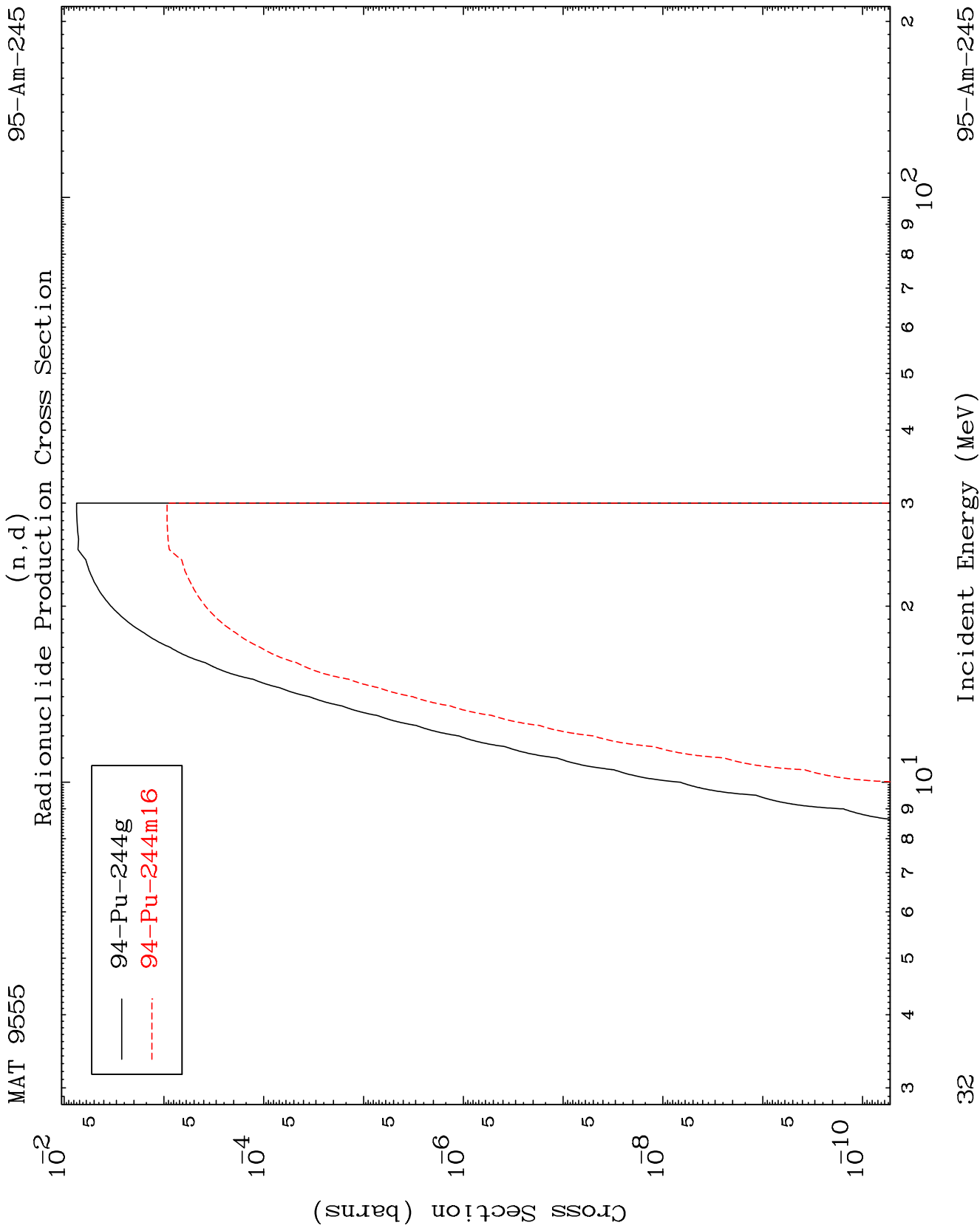


— 95-Am-246g
- - - 95-Am-246m1

95-Am-245

Incident Energy (MeV)

31



MAT 9555

Radionuclide Production Cross Section
(n, α)

95-Am-245

