

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

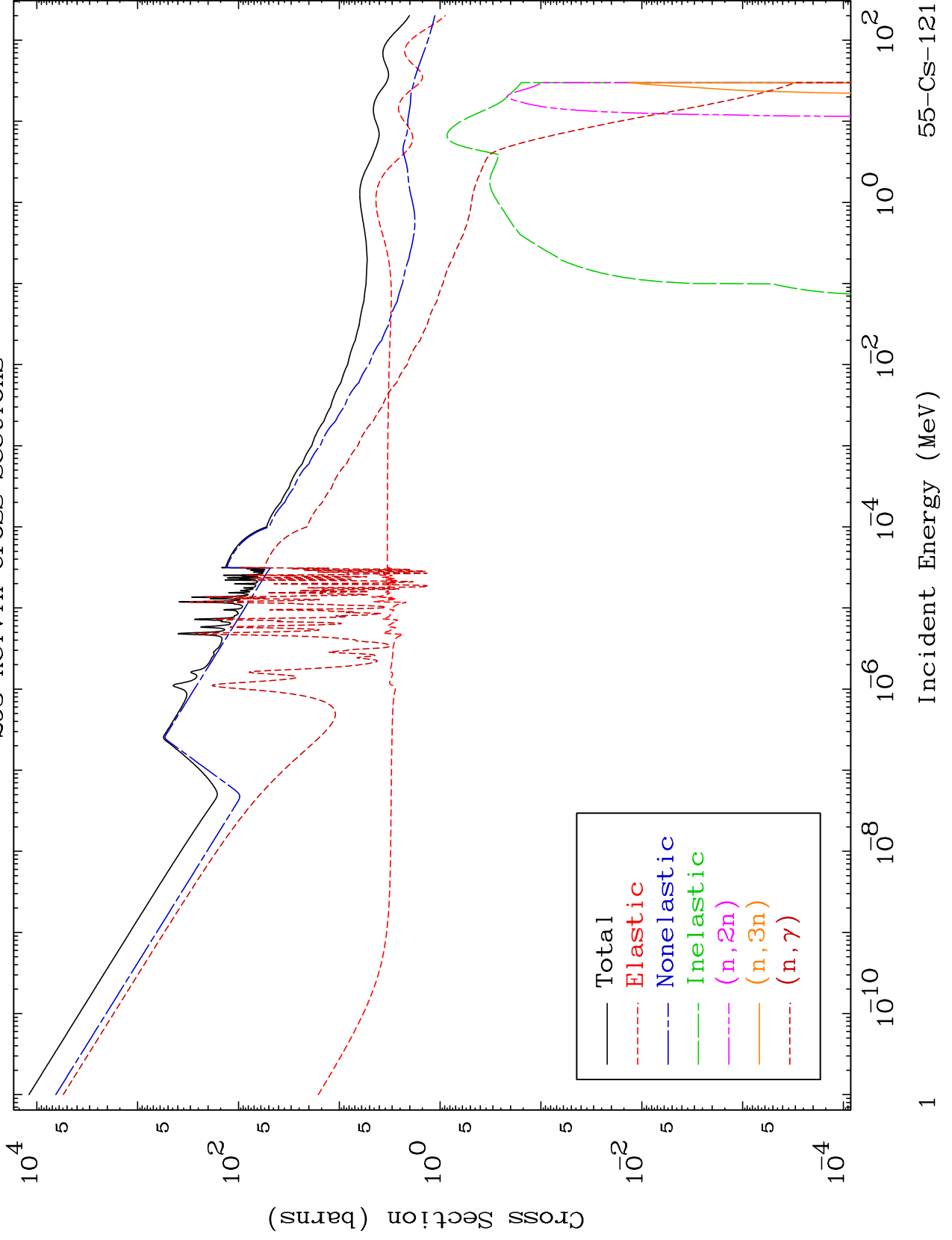
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5489

Neutron Major
293 Kelvin Cross Sections

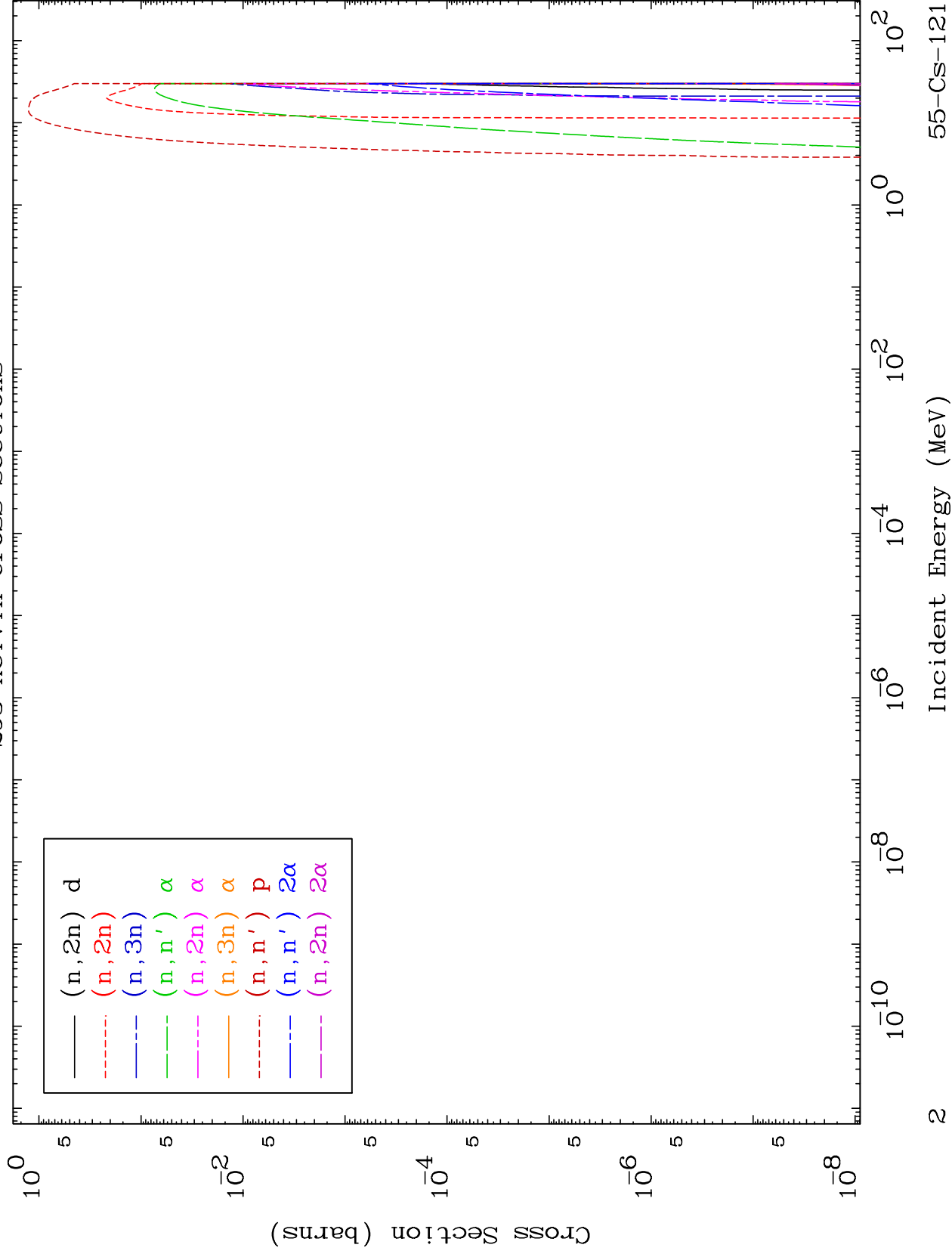
55-Cs-121



MAT 5489

Neutron Absorption
293 Kelvin Cross Sections

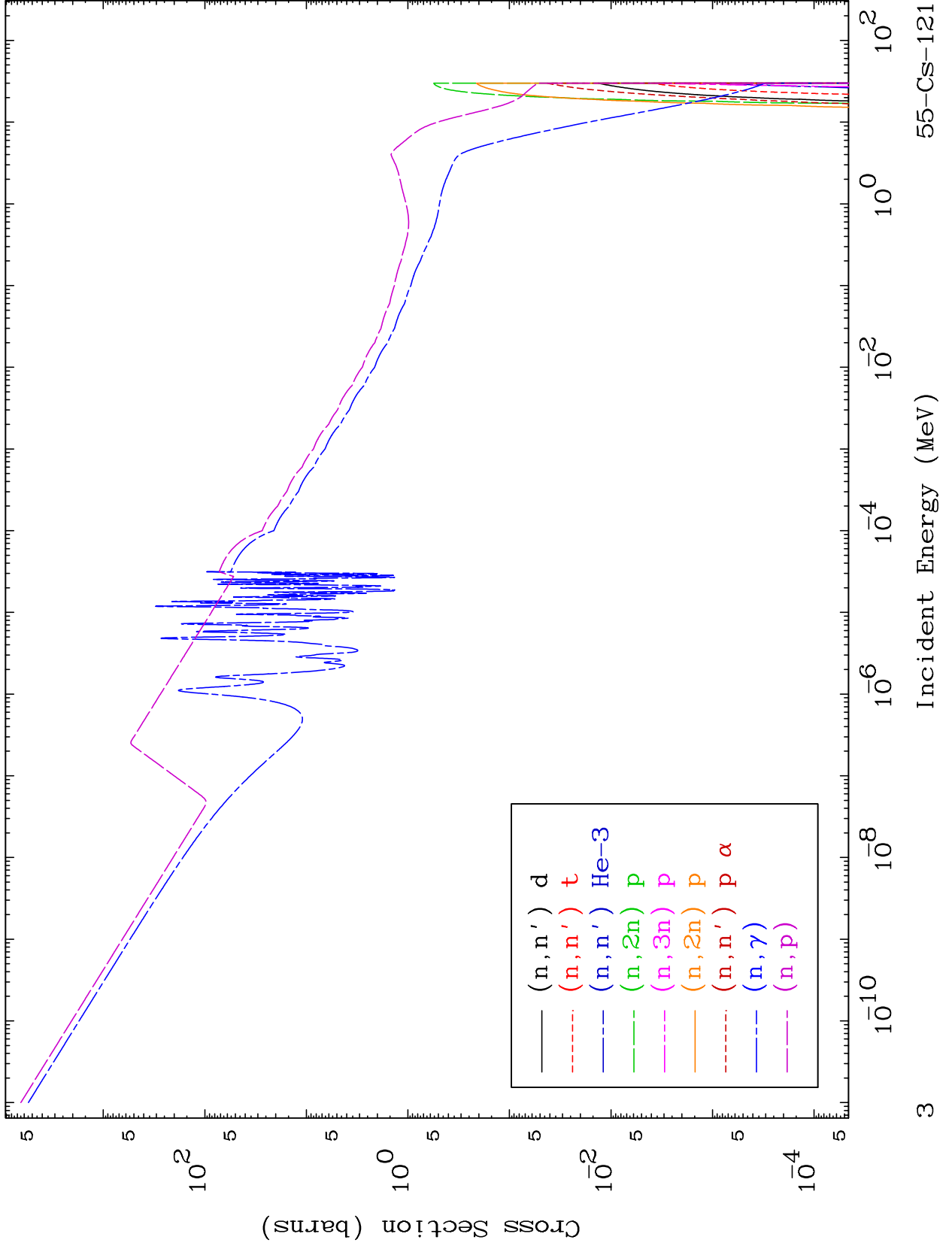
55-Cs-121



MAT 5489

Neutron Absorption
293 Kelvin Cross Sections

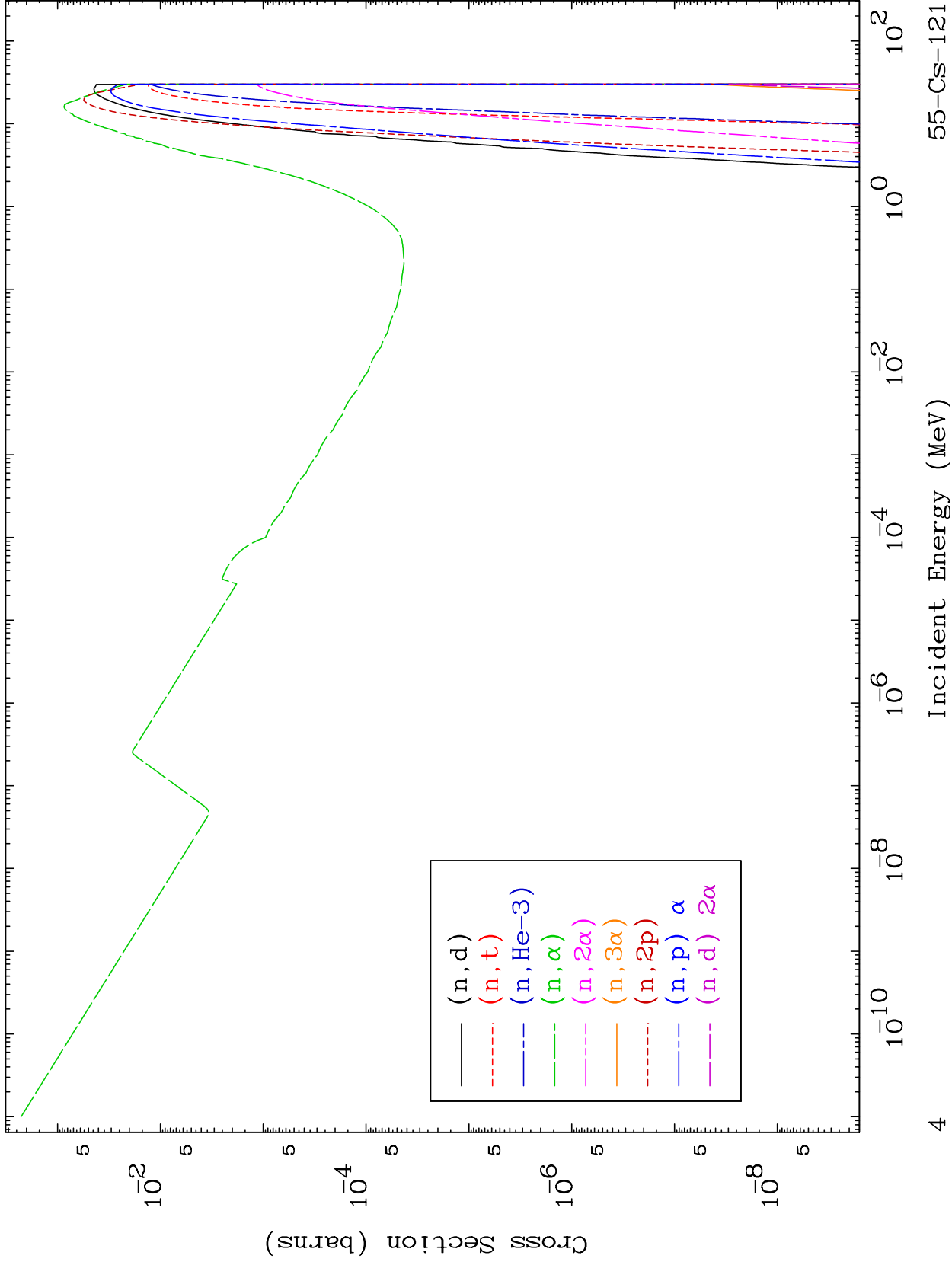
55-Cs-121



MAT 5489

Neutron Absorption
293 Kelvin Cross Sections

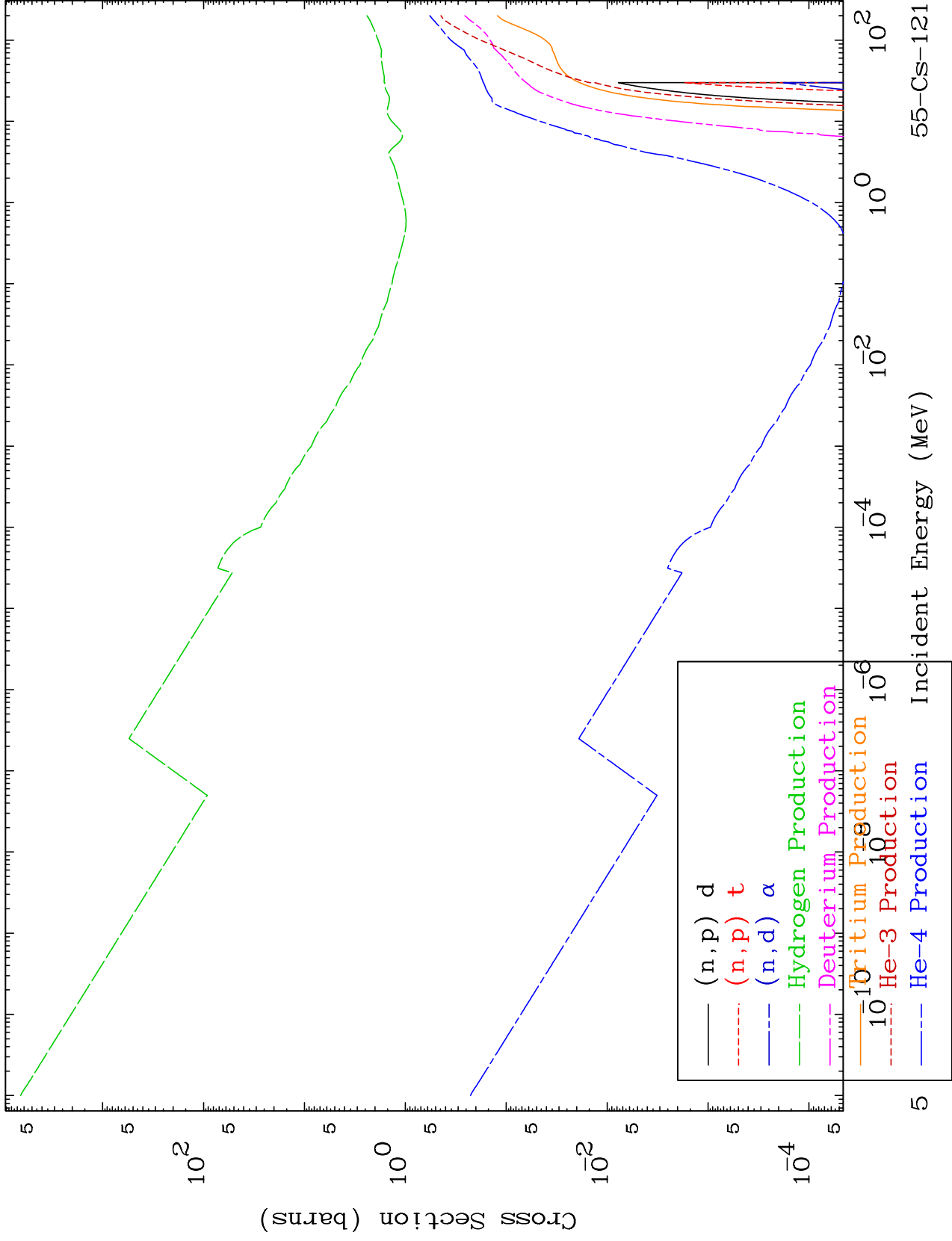
55-Cs-121



MAT 5489

Neutron Absorption
293 Kelvin Cross Sections

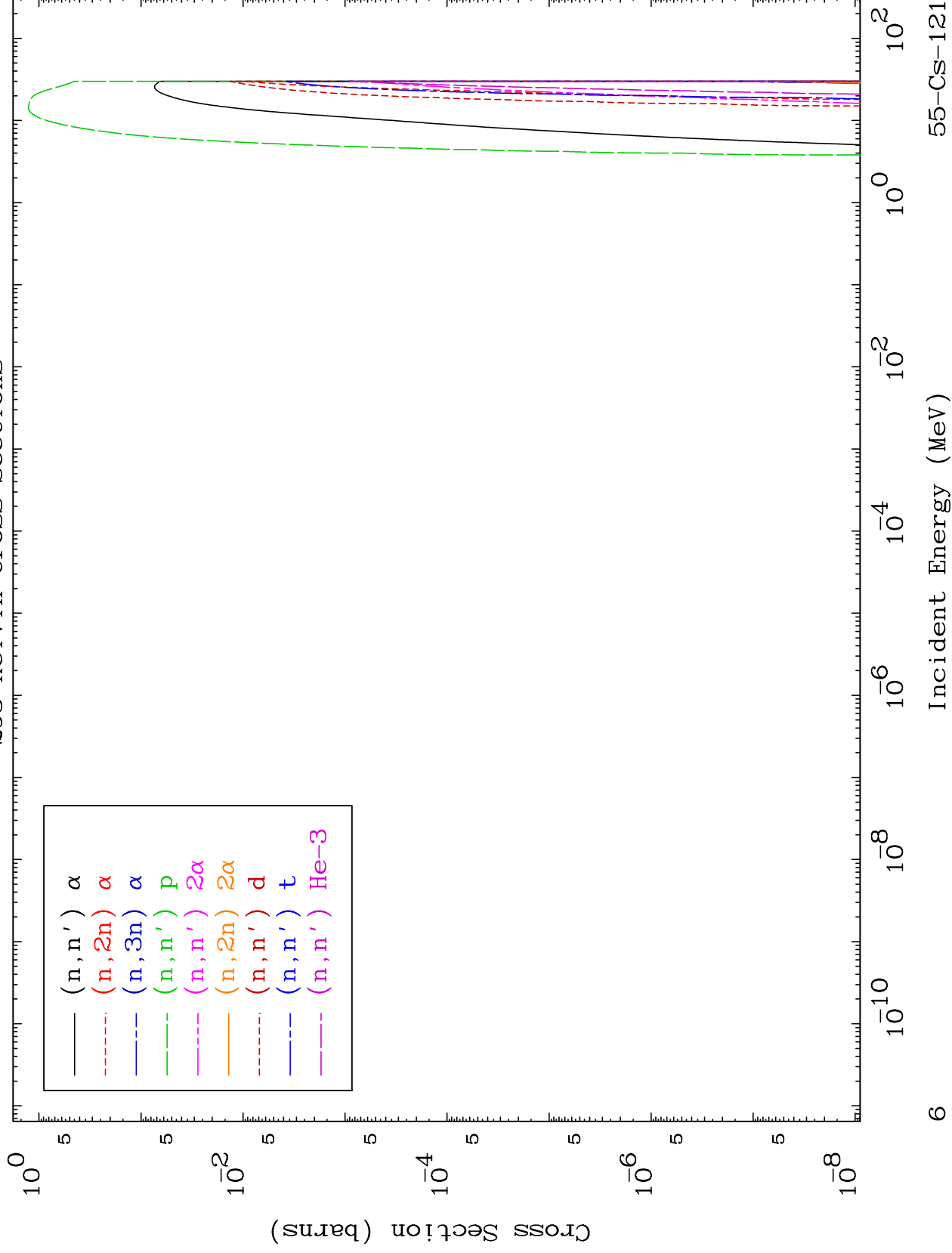
55-Cs-121



MAT 5489

Charged Particle
293 Kelvin Cross Sections

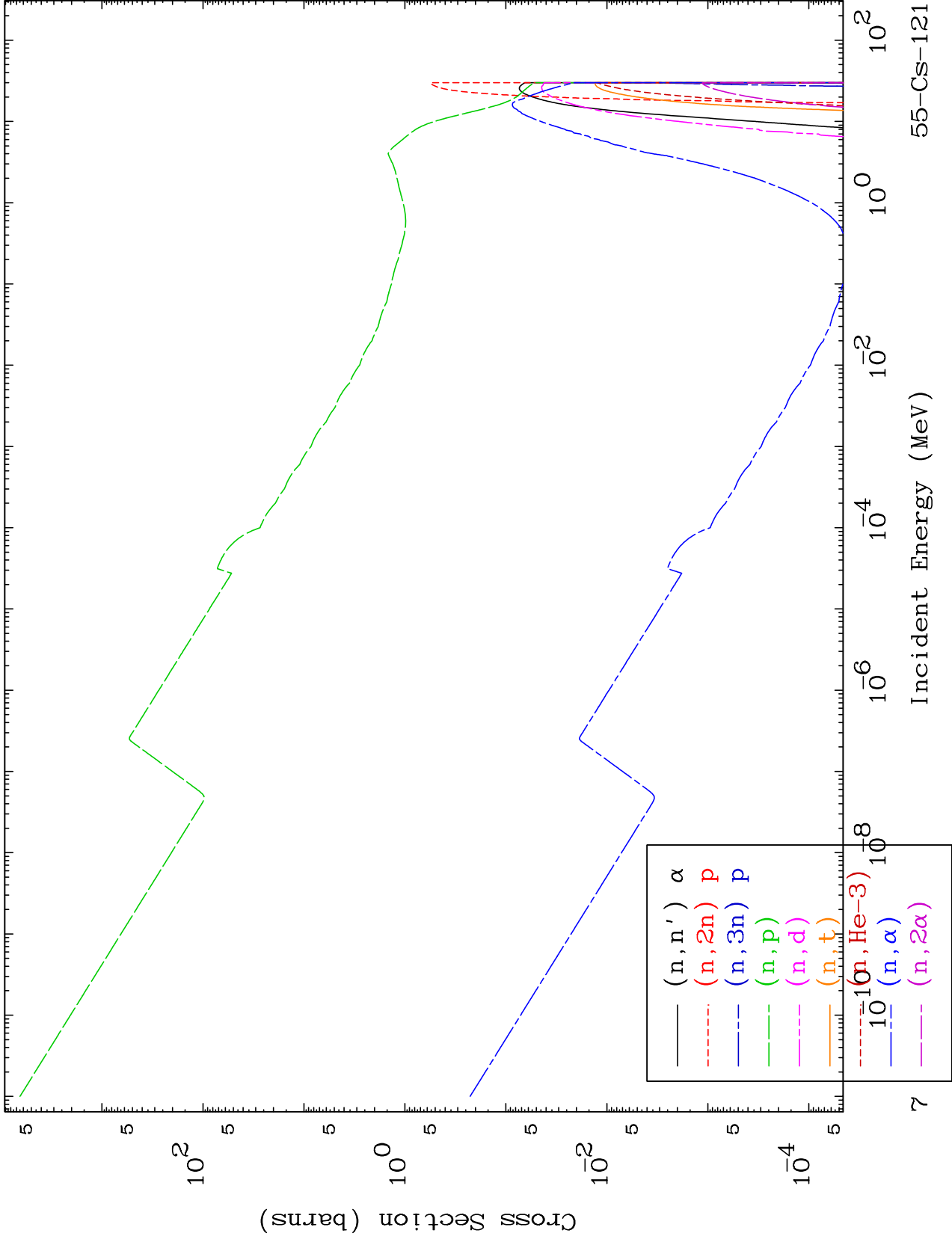
55-Cs-121



MAT 5489

Charged Particle
293 Kelvin Cross Sections

55-Cs-121



55-Cs-121

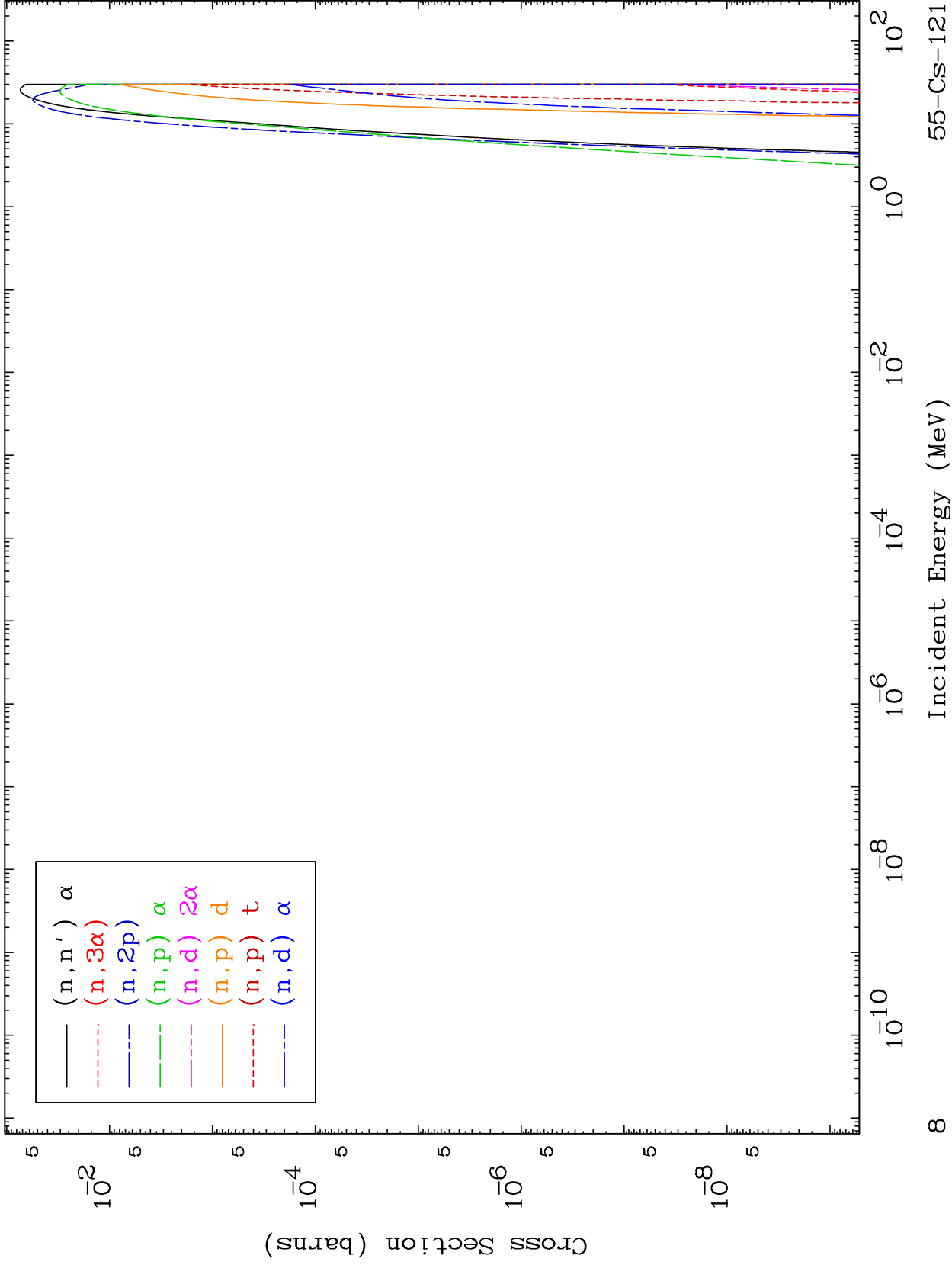
Incident Energy (MeV)

7

MAT 5489

Charged Particle
293 Kelvin Cross Sections

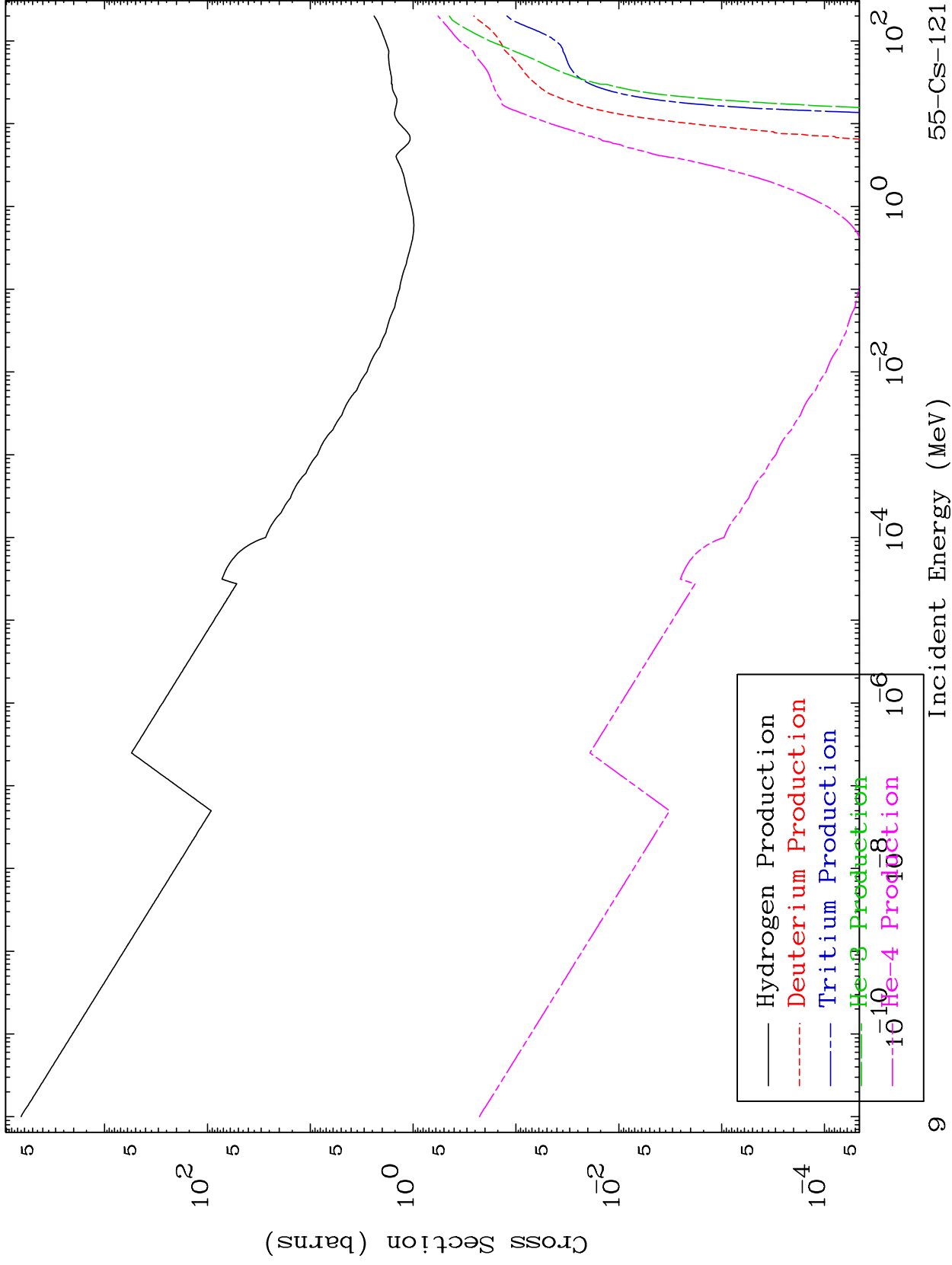
55-Cs-121



MAT 5489

Particle Production
293 Kelvin Cross Sections

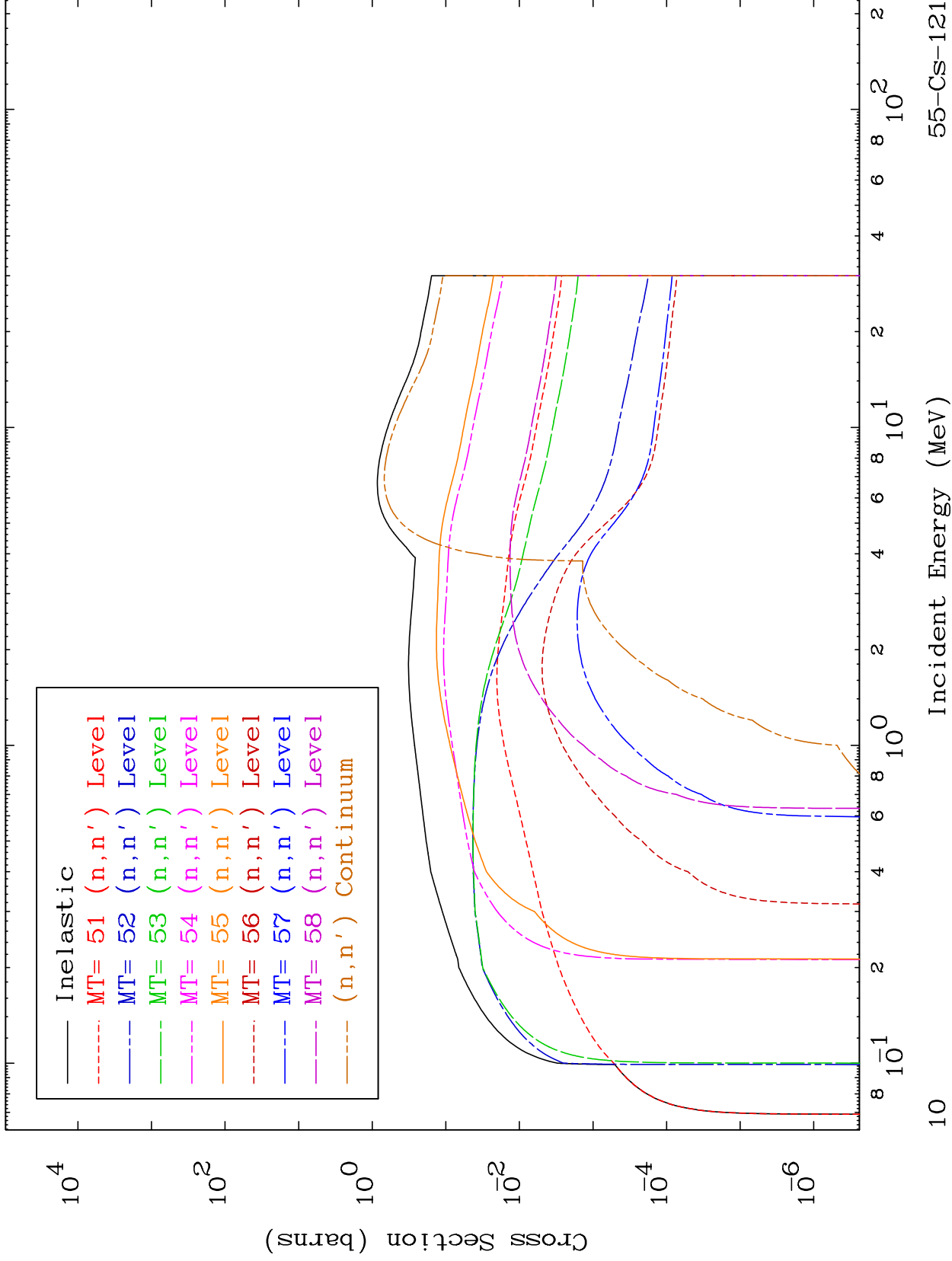
55-Cs-121



MAT 5489

(n,n') Levels
293 Kelvin Cross Sections

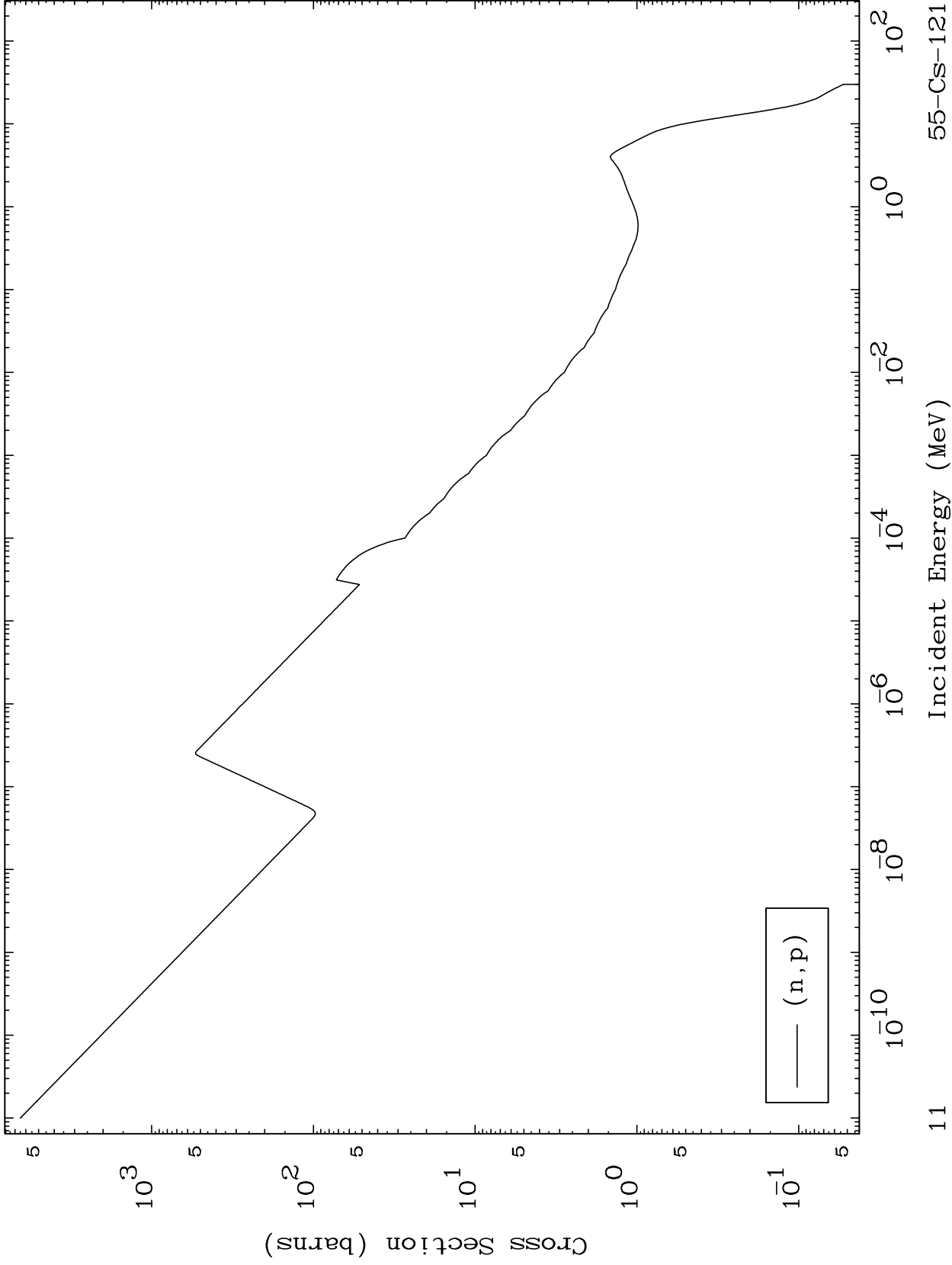
55-Cs-121



MAT 5489

(n,p) Levels
293 Kelvin Cross Sections

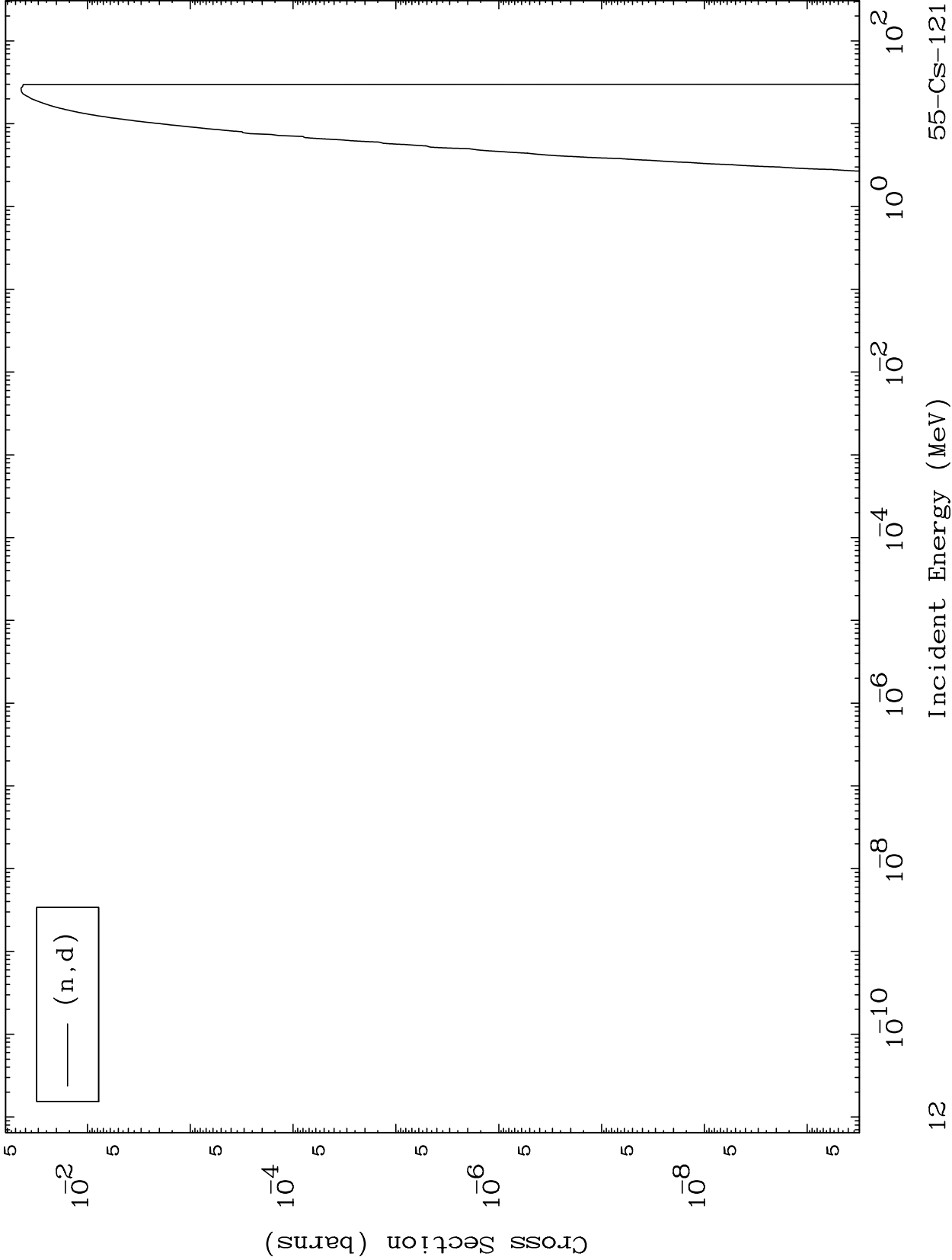
55-Cs-121



MAT 5489

(n,d) Levels
293 Kelvin Cross Sections

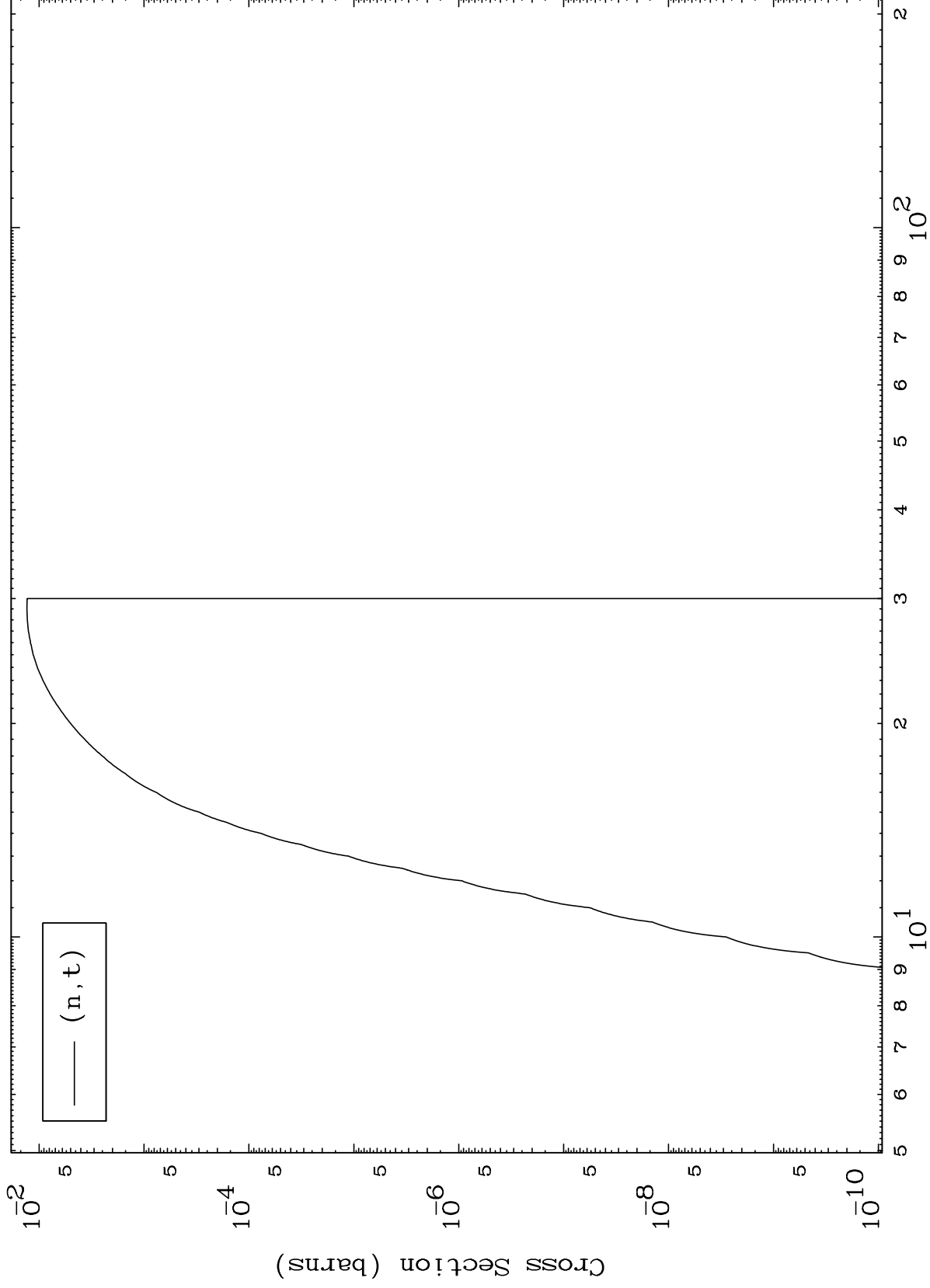
55-Cs-121



MAT 5489

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-121



(n,t)

13

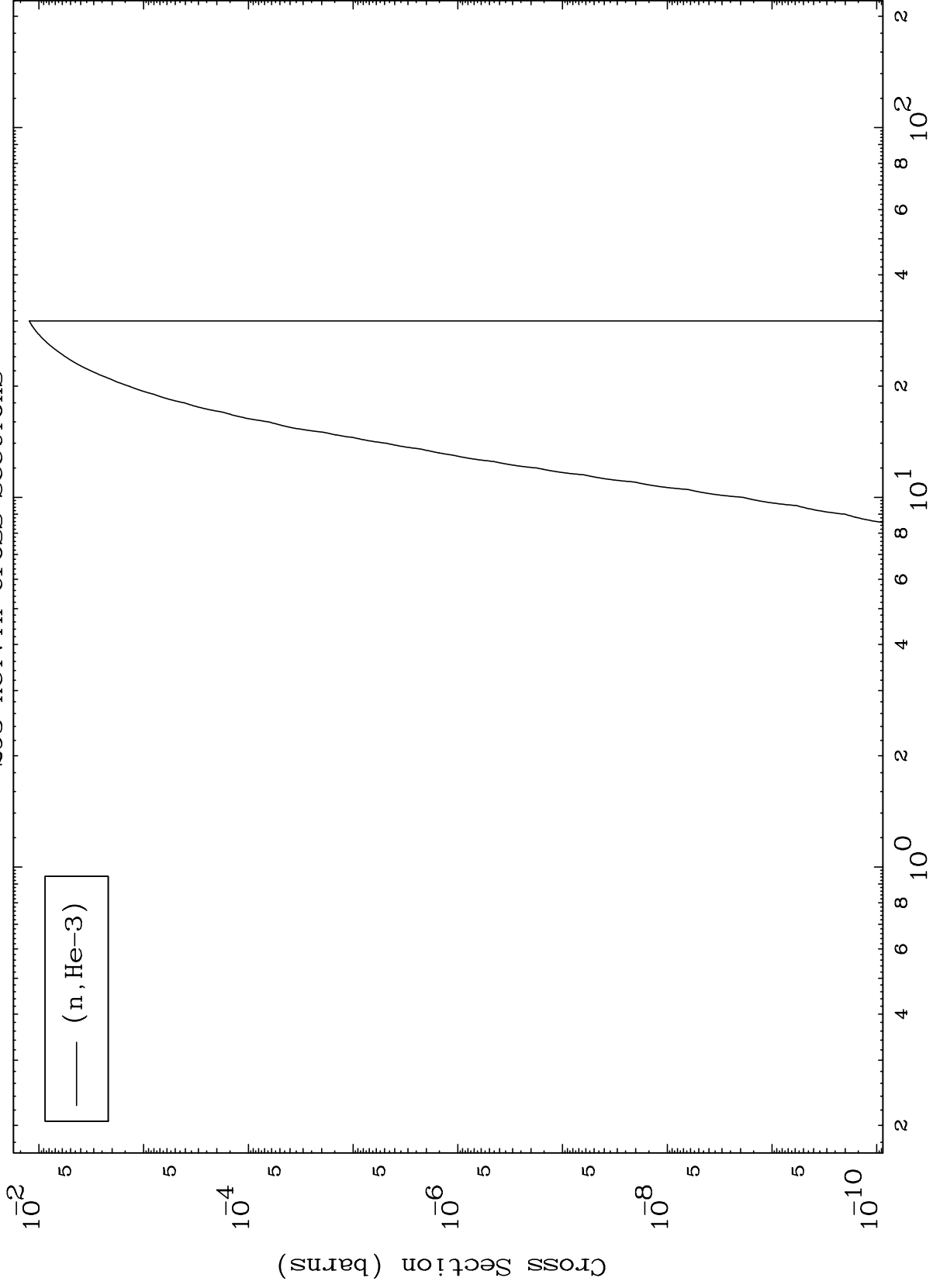
Incident Energy (MeV)

55-Cs-121

MAT 5489

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-121



14

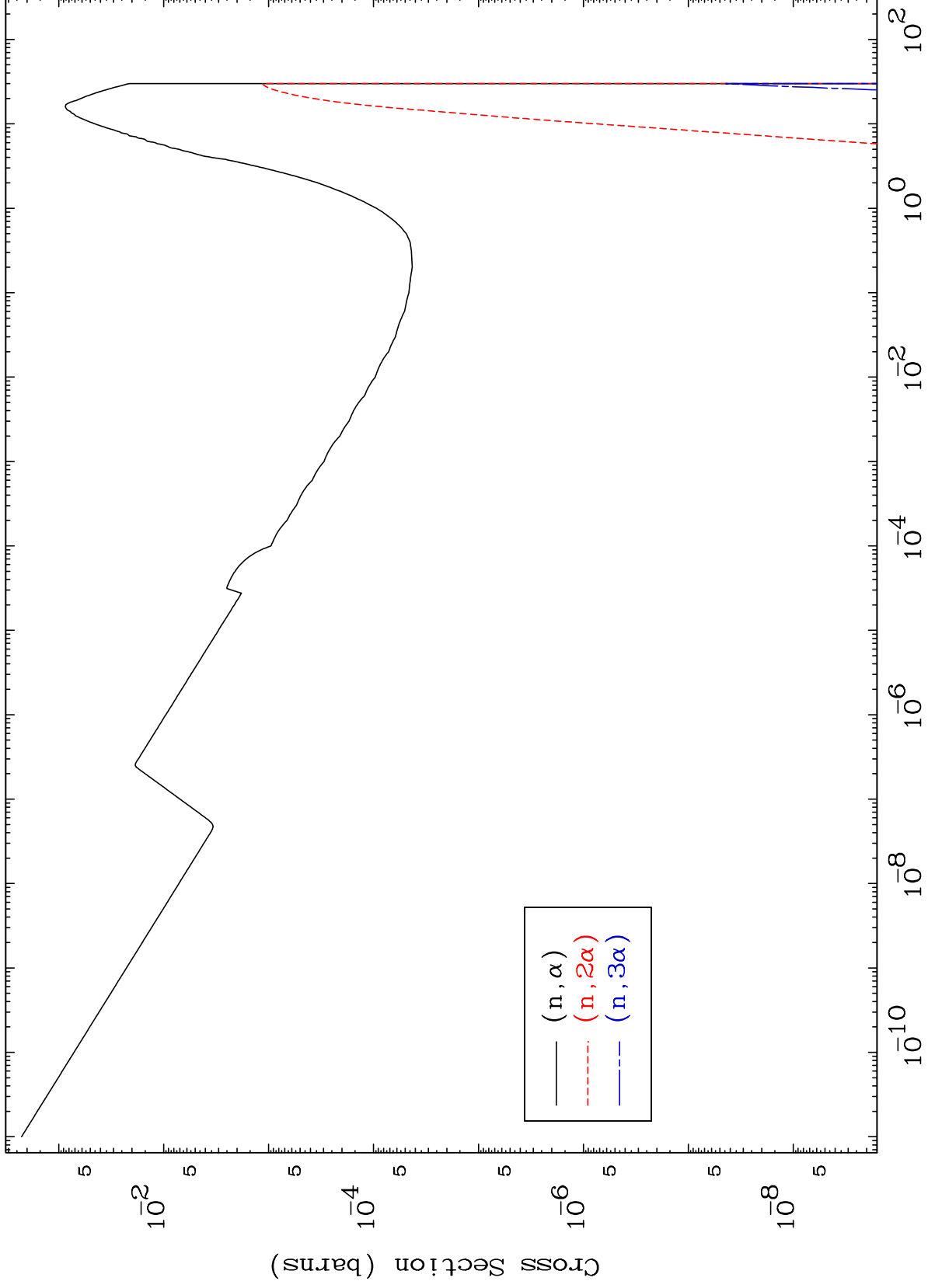
Incident Energy (MeV)

55-Cs-121

MAT 5489

(n, α) Levels
293 Kelvin Cross Sections

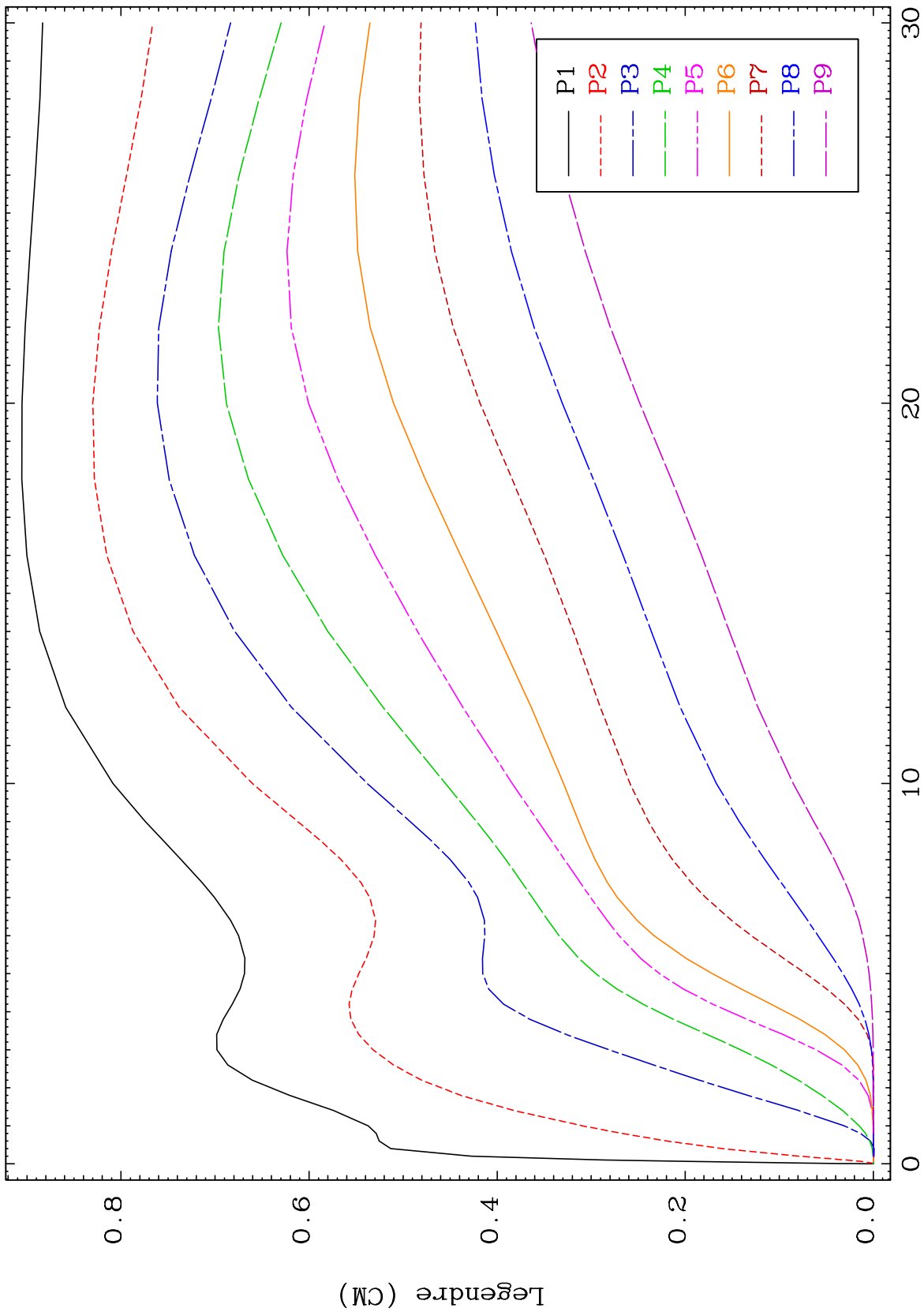
55-Cs-121



MAT 5489

Elastic Legendre Coefficients

55-Cs-121



16

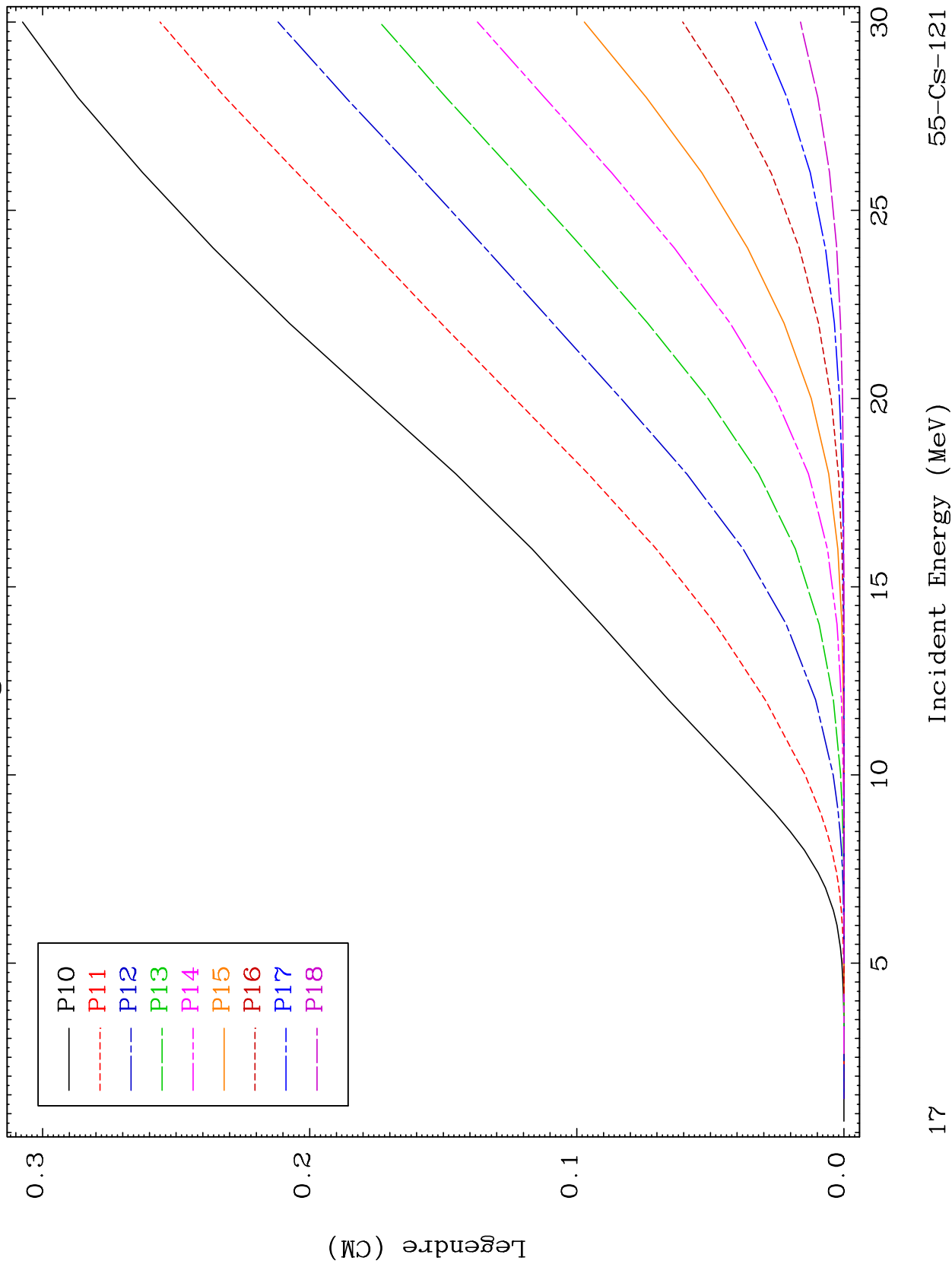
Incident Energy (MeV)

55-Cs-121

MAT 5489

Elastic Legendre Coefficients

55-Cs-121



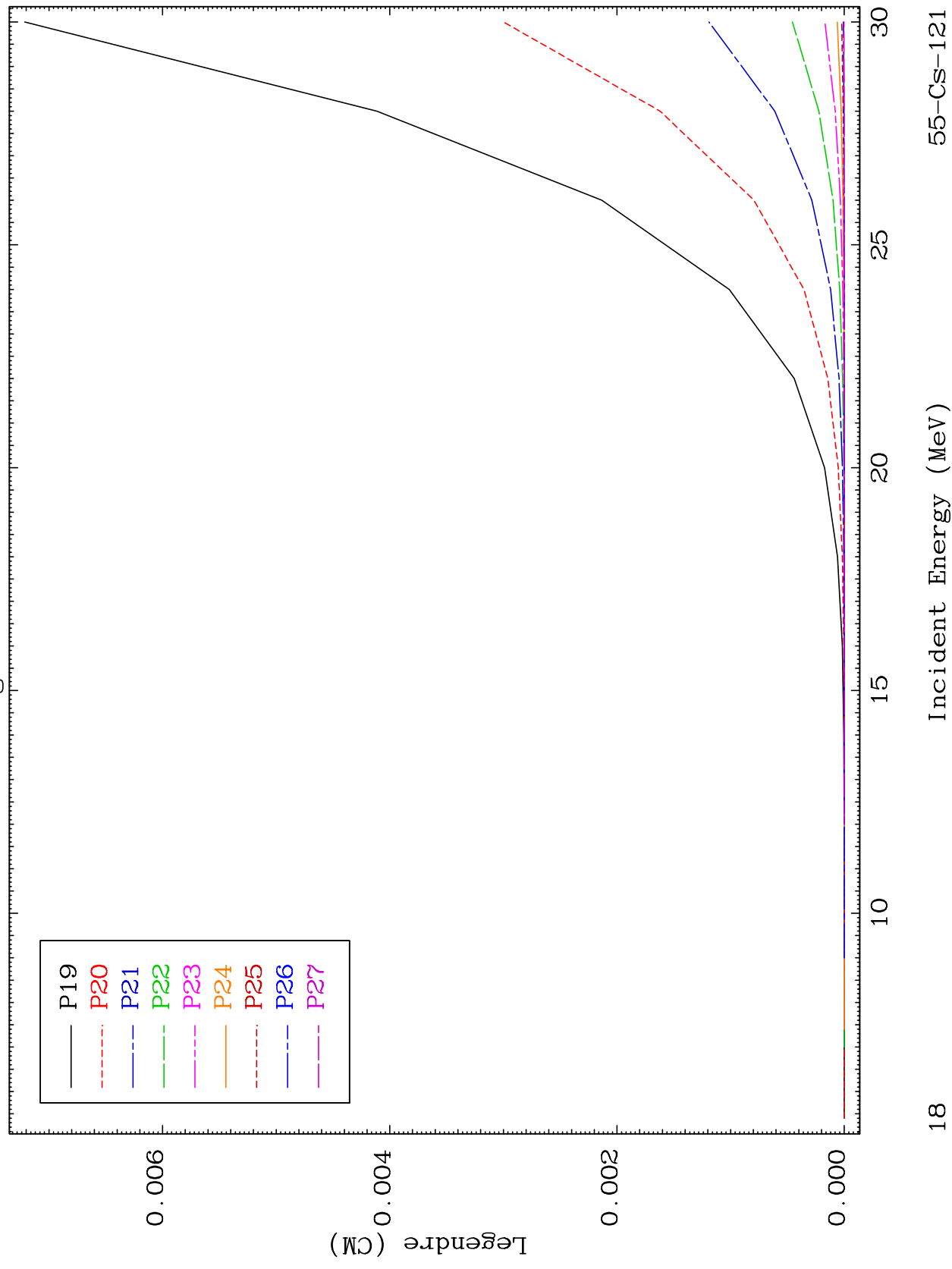
17

55-Cs-121

MAT 5489

Elastic Legendre Coefficients

55-Cs-121



18

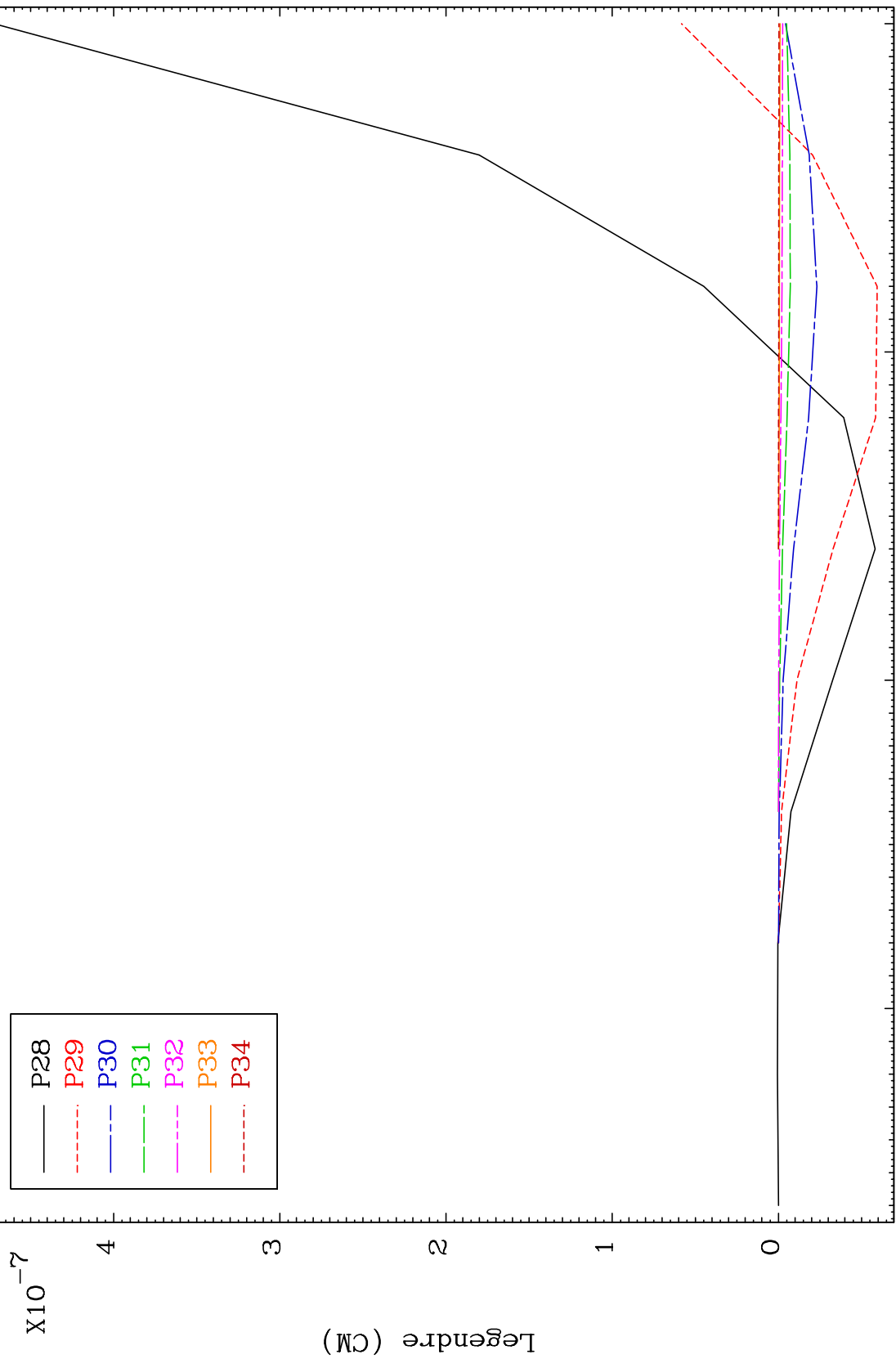
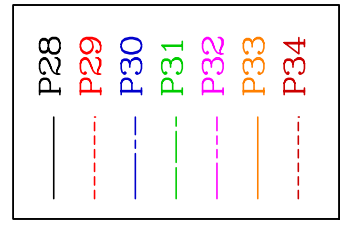
Incident Energy (MeV)

55-Cs-121

MAT 5489

Elastic Legendre Coefficients

55-Cs-121



19

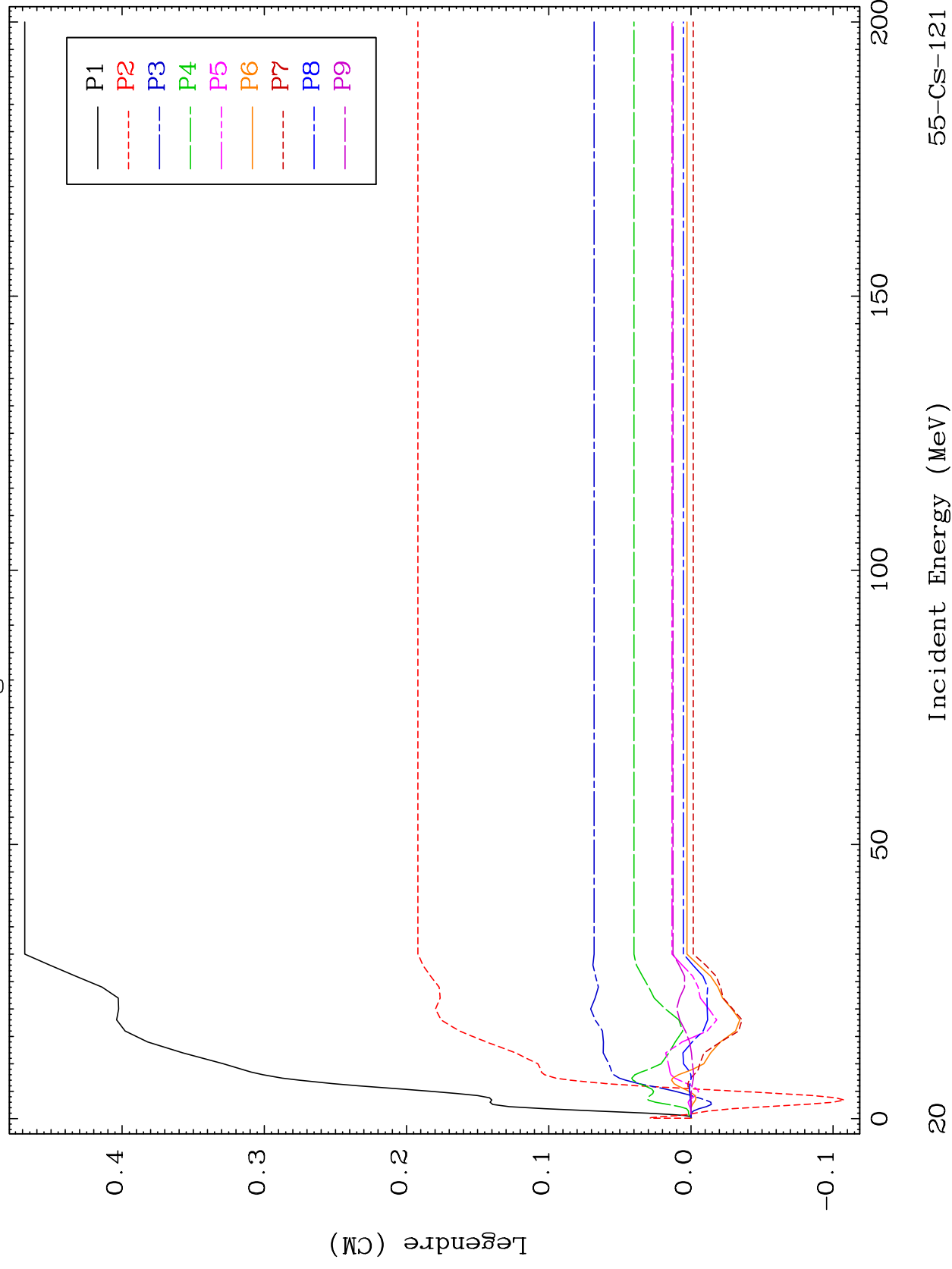
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 51 (n,n') Level
Legendre Coefficients

55-Cs-121



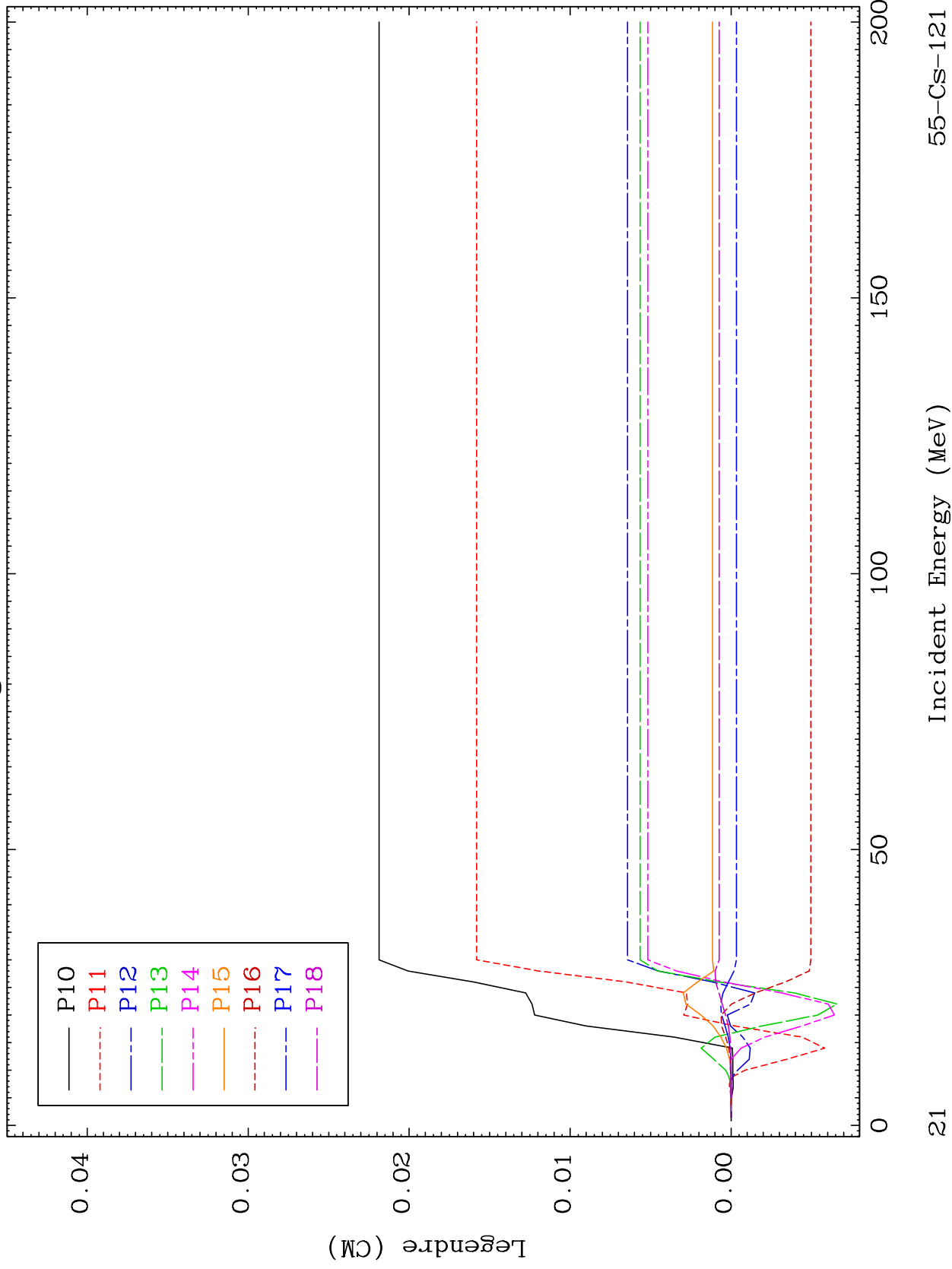
55-Cs-121

Incident Energy (MeV)

MAT 5489

MT= 51 (n,n') Level
Legendre Coefficients

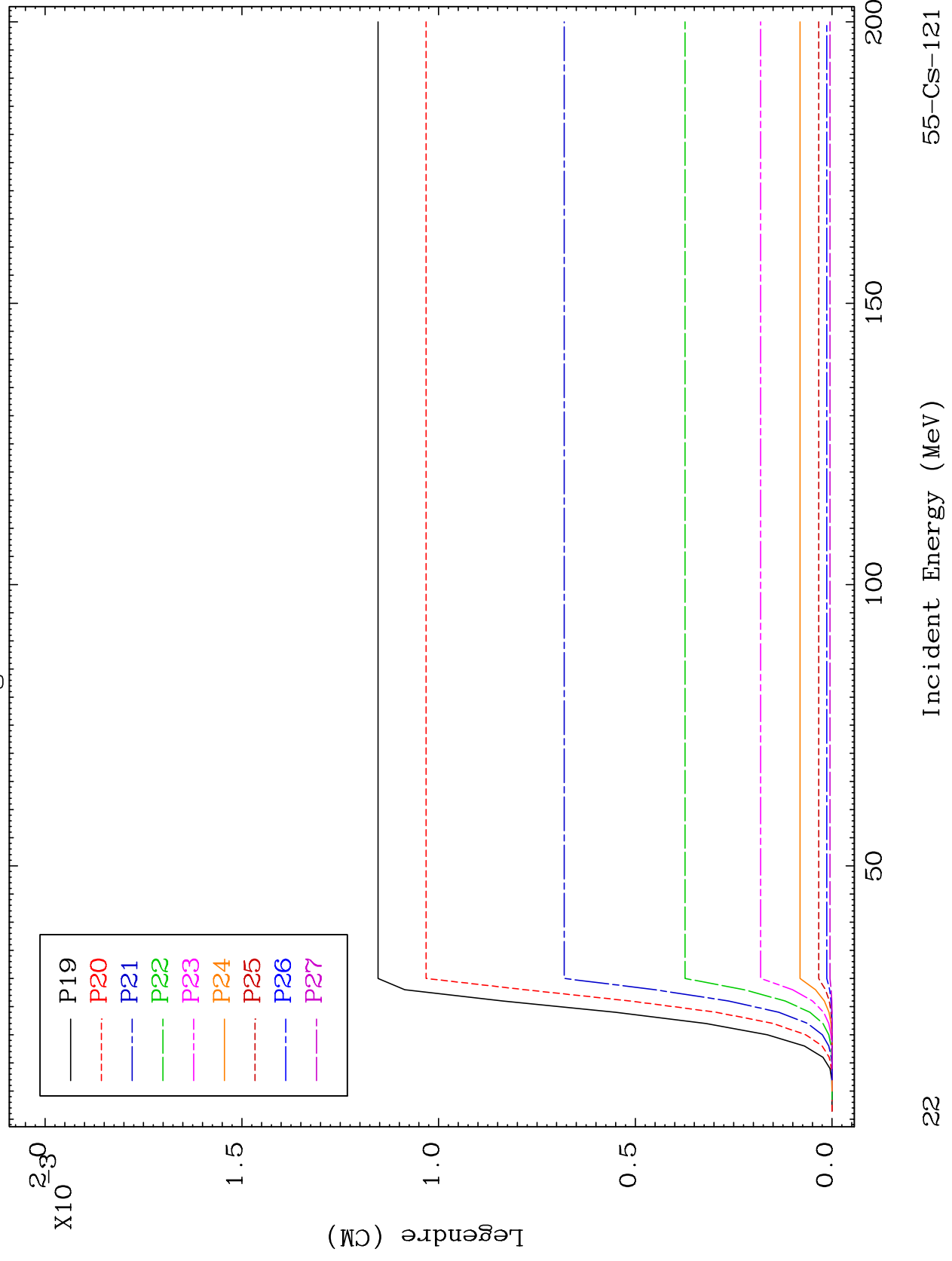
55-Cs-121



21

Incident Energy (MeV)

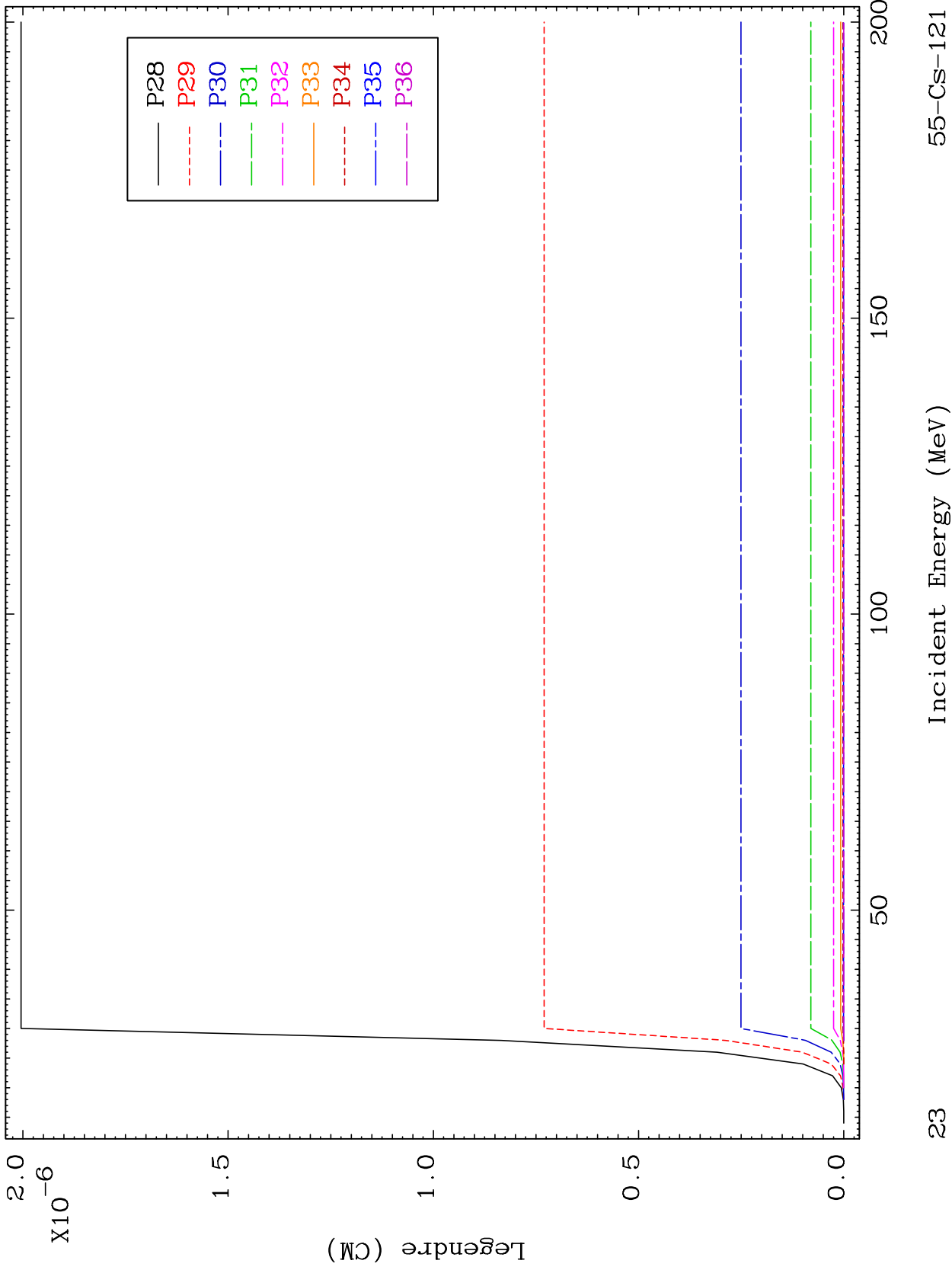
55-Cs-121



MAT 5489

MT= 51 (n,n') Level
Legendre Coefficients

55-Cs-121



23

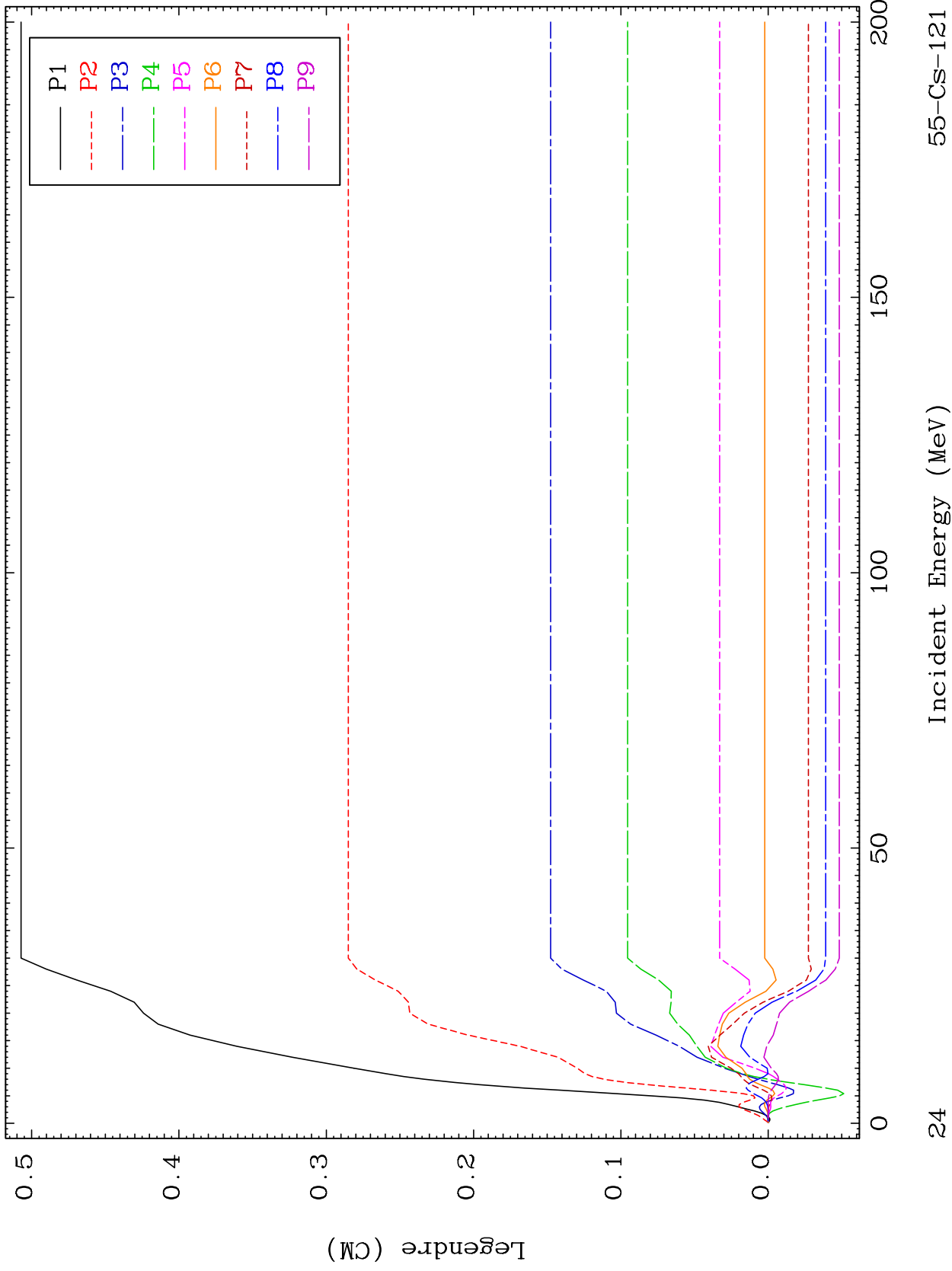
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 52 (n,n') Level
Legendre Coefficients

55-Cs-121



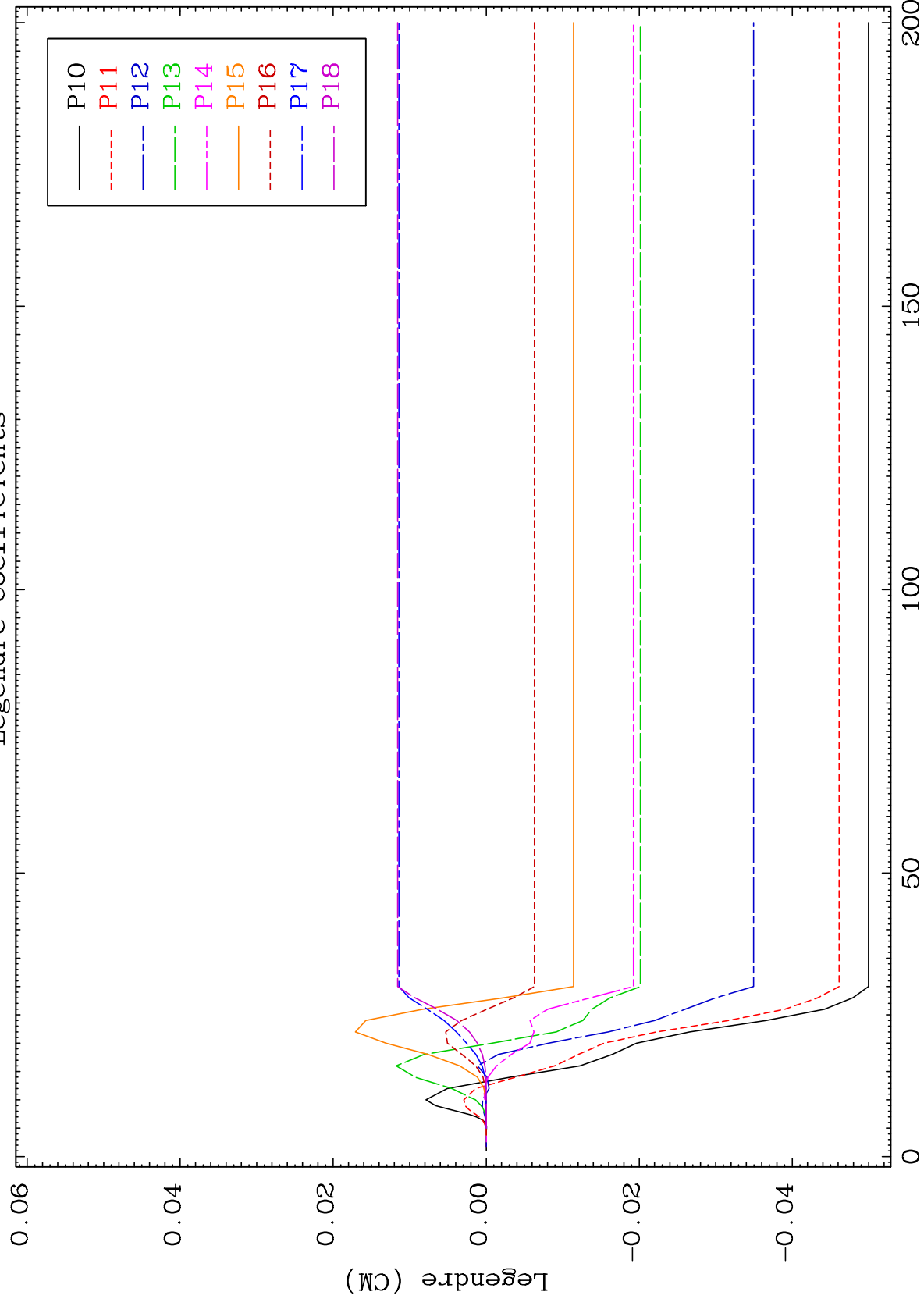
24

55-Cs-121

MAT 5489

MT= 52 (n,n') Level
Legendre Coefficients

55-Cs-121



25

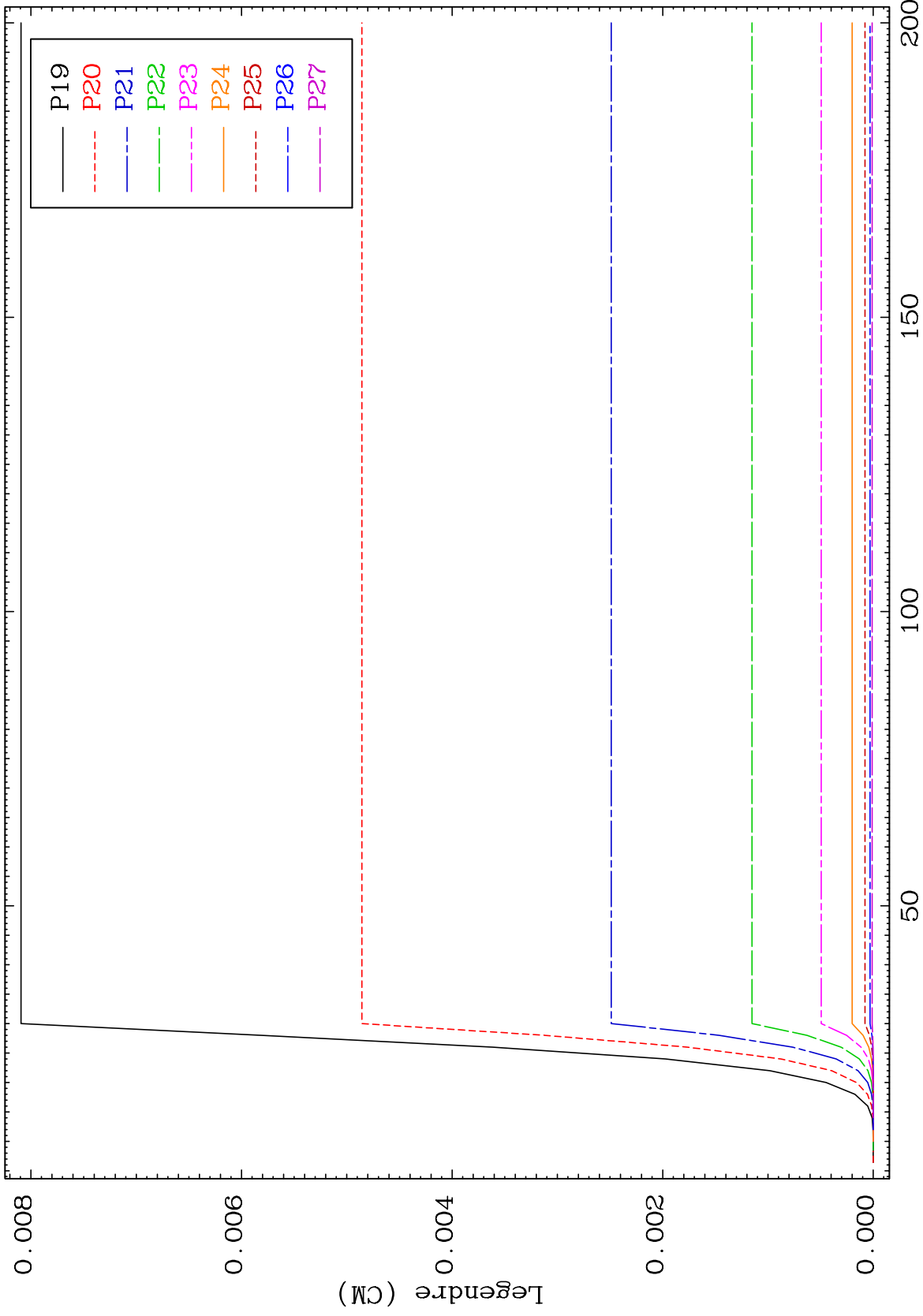
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 52 (n,n') Level
Legendre Coefficients

55-Cs-121



26

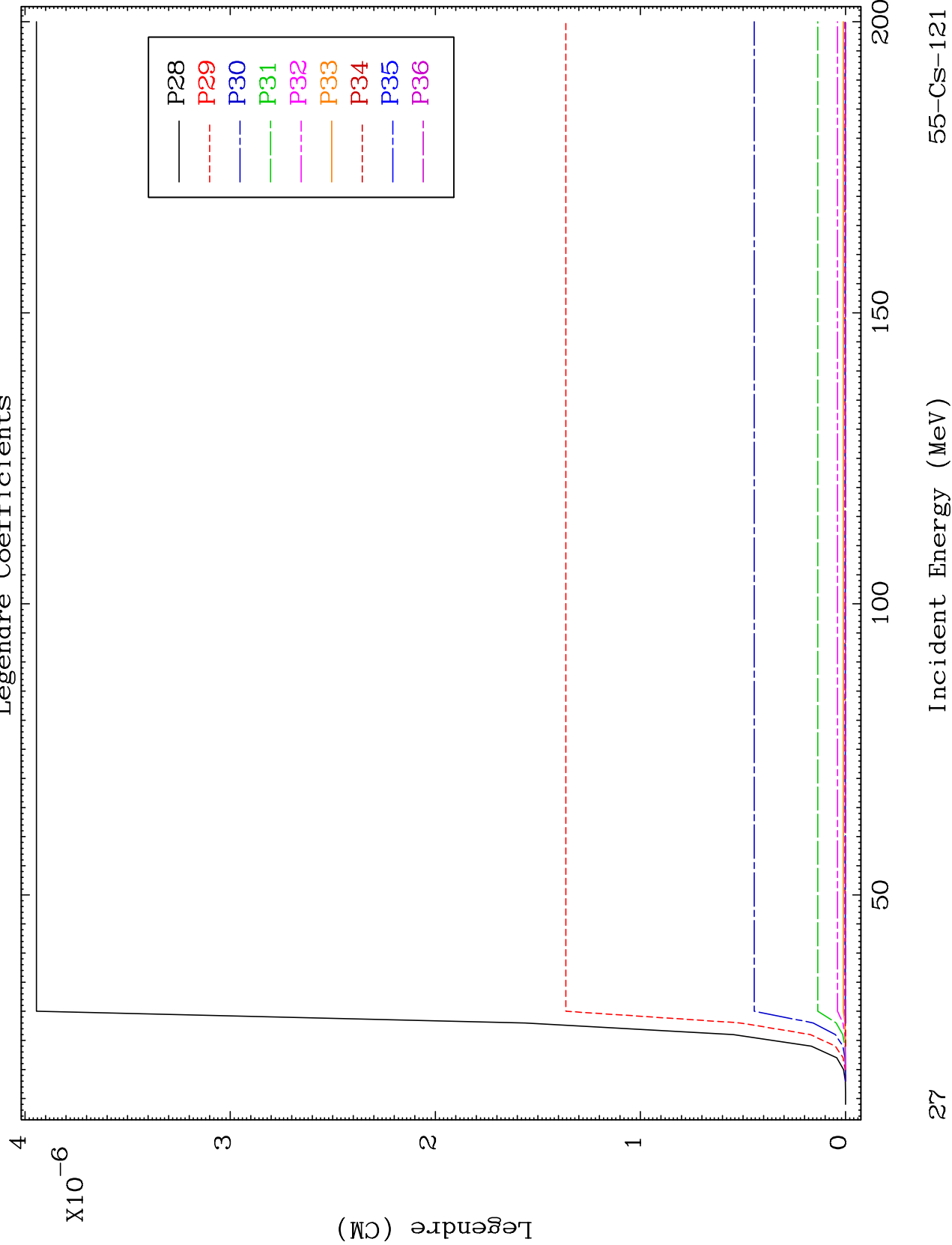
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 52 (n,n') Level
Legendre Coefficients

55-Cs-121



27

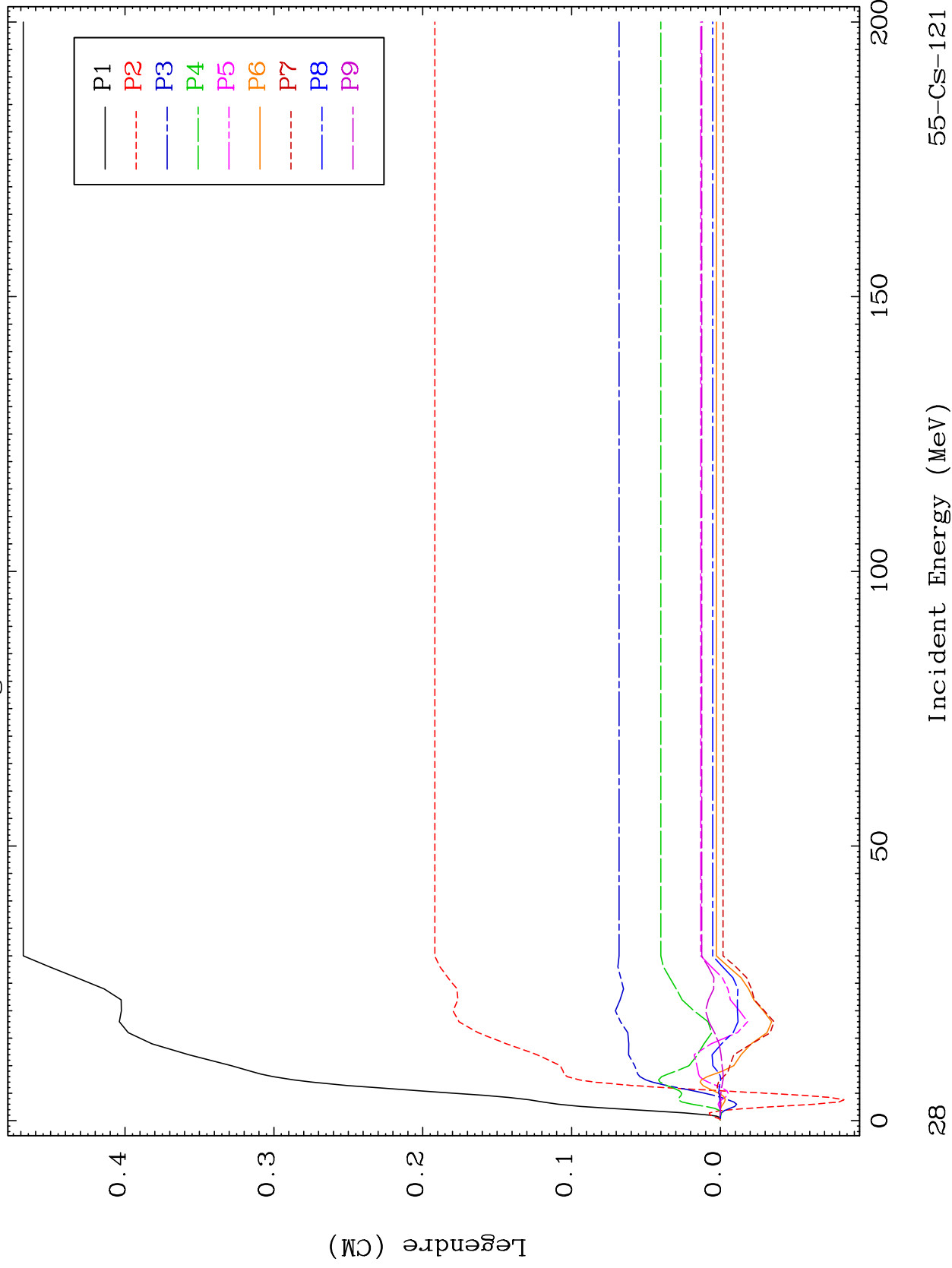
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 53 (n,n') Level
Legendre Coefficients

55-Cs-121



55-Cs-121

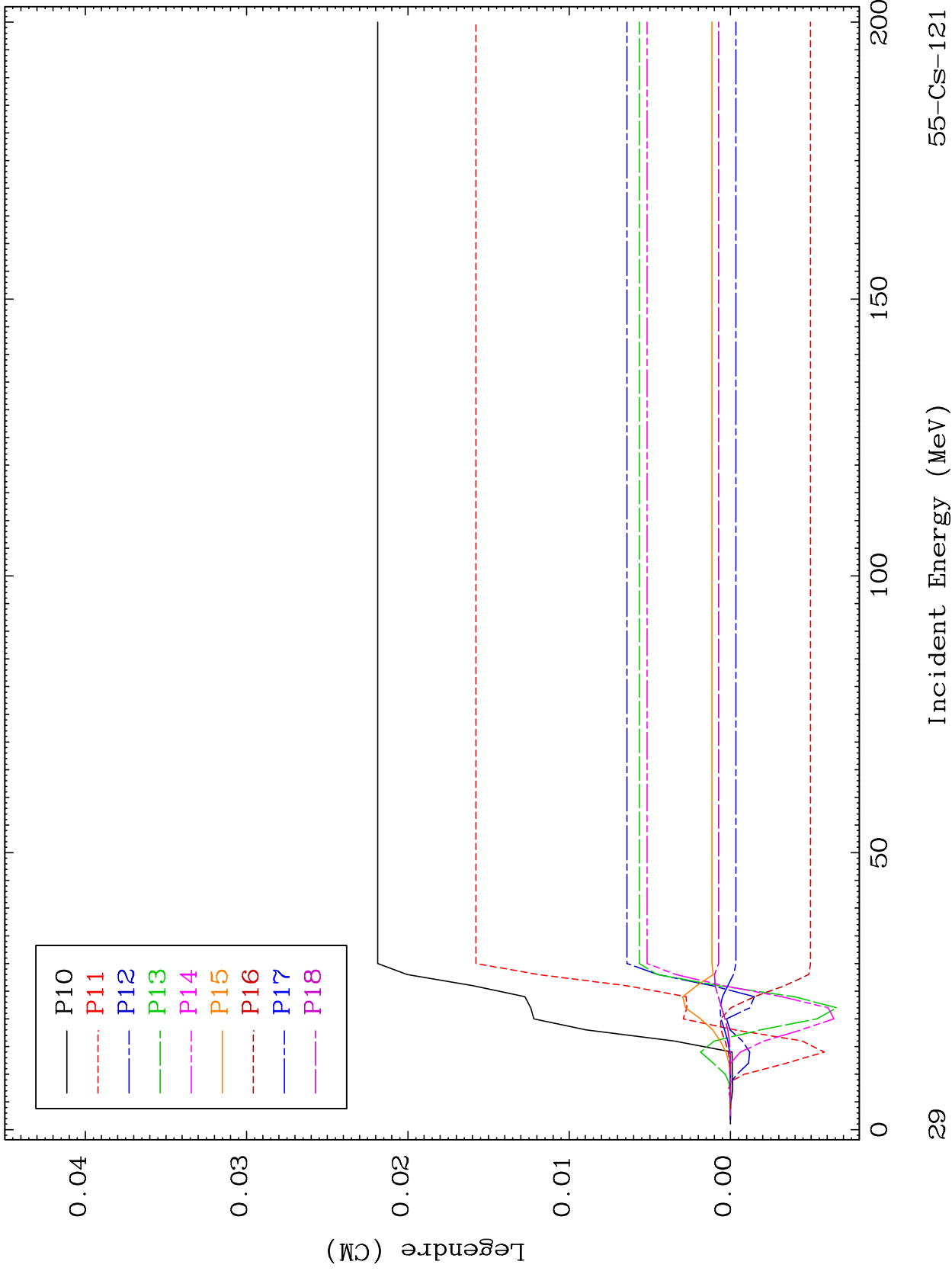
Incident Energy (MeV)

28

MAT 5489

MT= 53 (n,n') Level
Legendre Coefficients

55-Cs-121



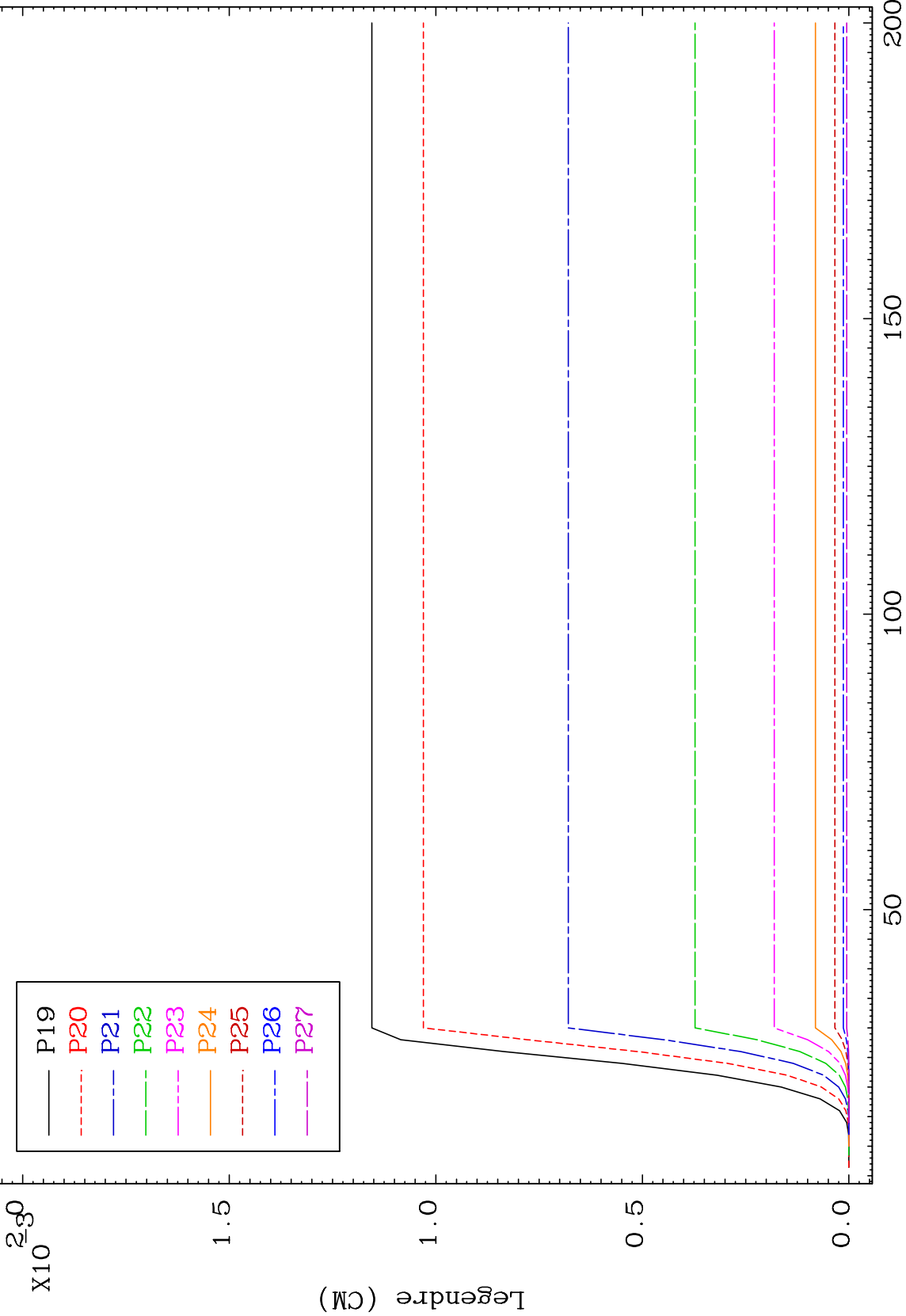
29

55-Cs-121

MAT 5489

MT= 53 (n,n') Level
Legendre Coefficients

55-Cs-121



30

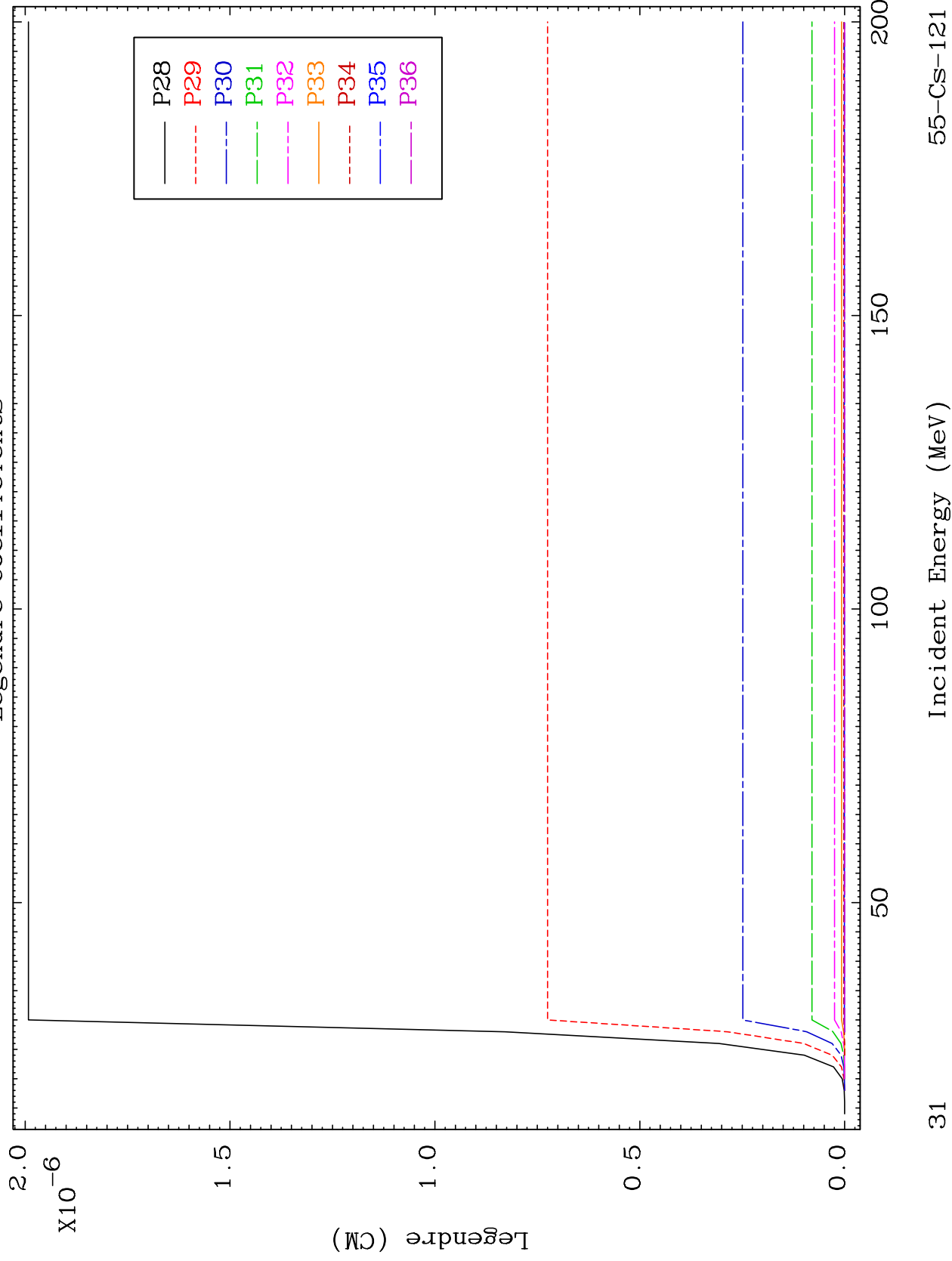
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 53 (n,n') Level
Legendre Coefficients

55-Cs-121



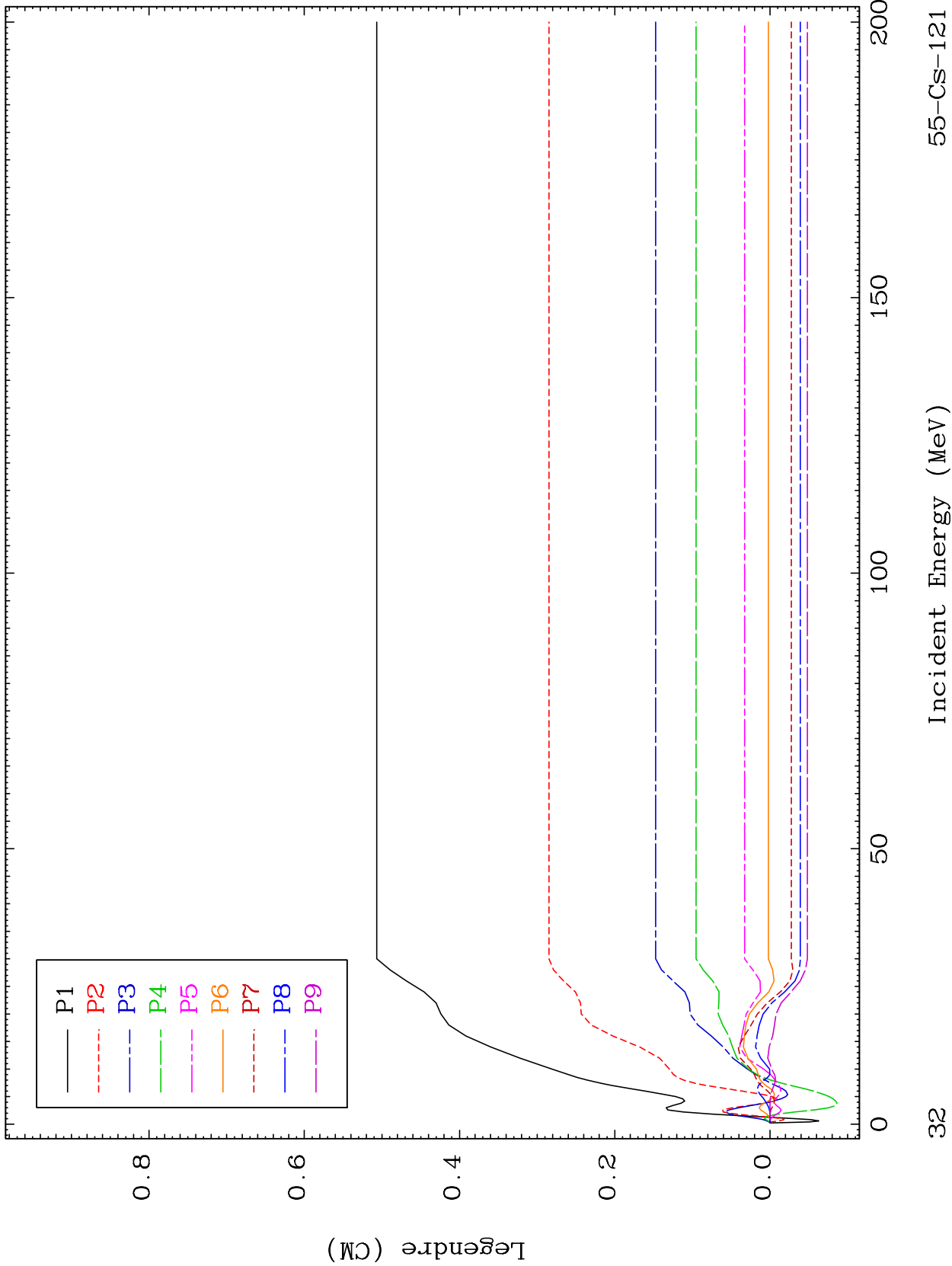
31

55-Cs-121

MAT 5489

MT= 54 (n,n') Level
Legendre Coefficients

55-Cs-121



32

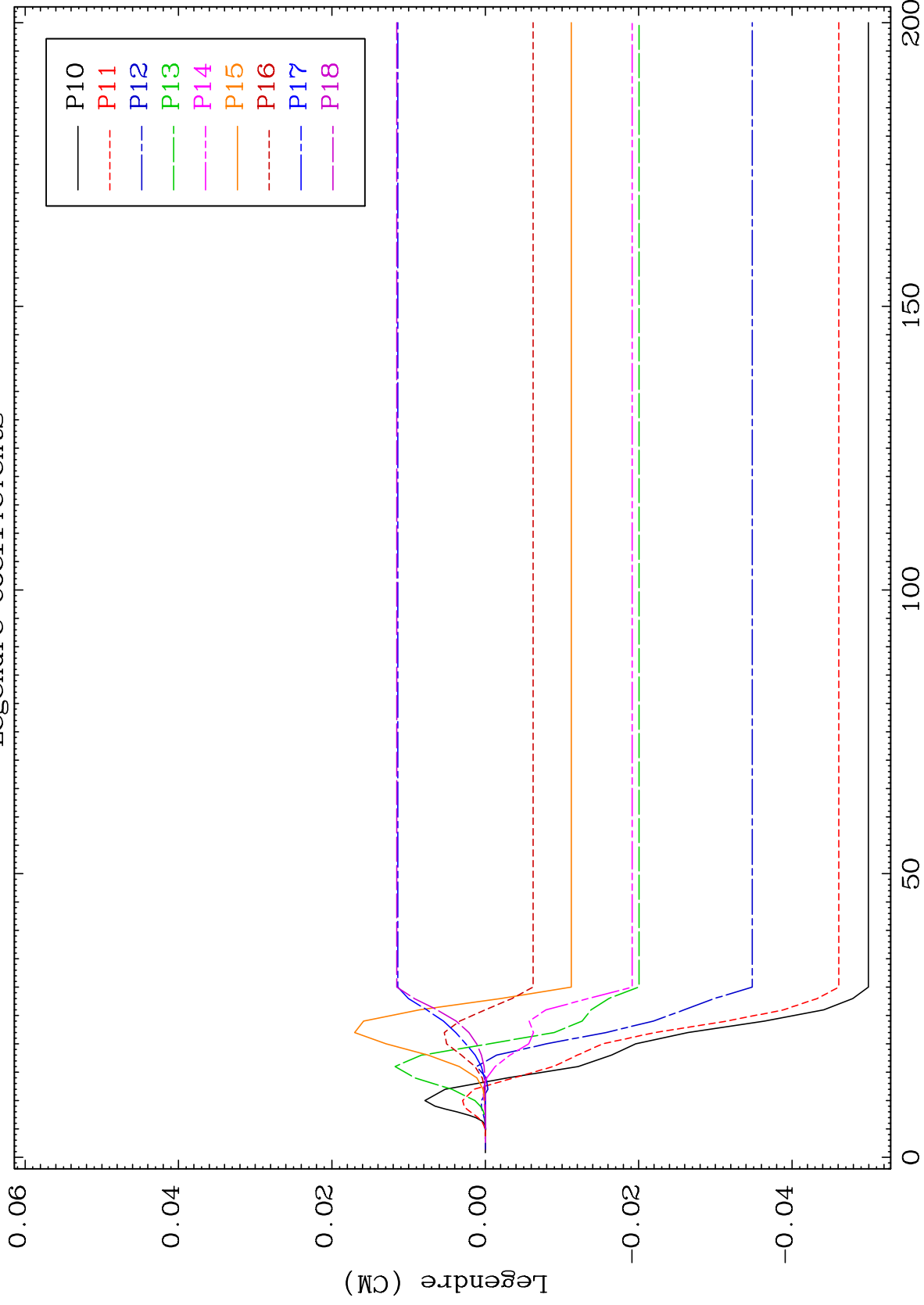
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 54 (n,n') Level
Legendre Coefficients

55-Cs-121



33

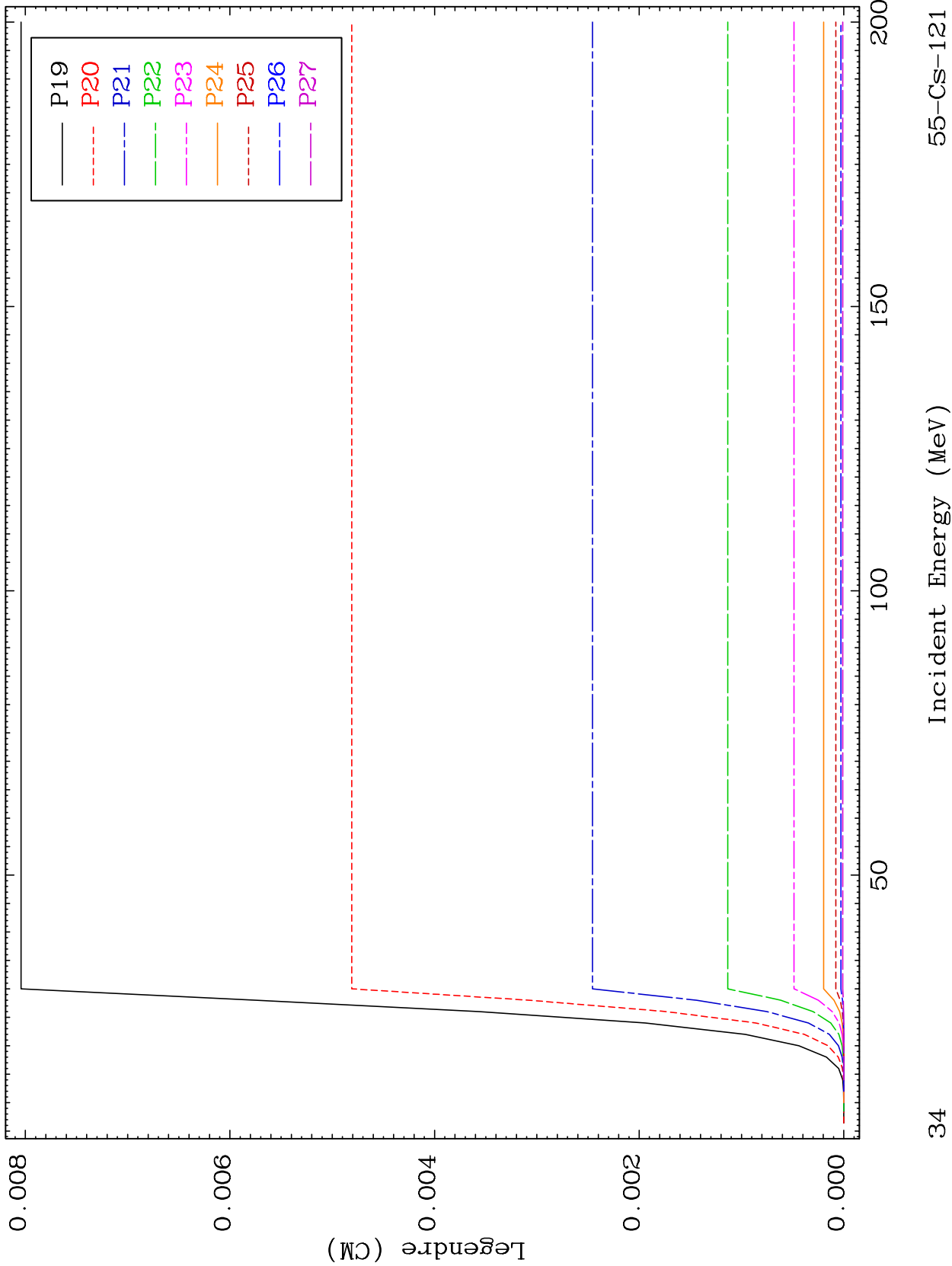
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 54 (n,n') Level
Legendre Coefficients

55-Cs-121



34

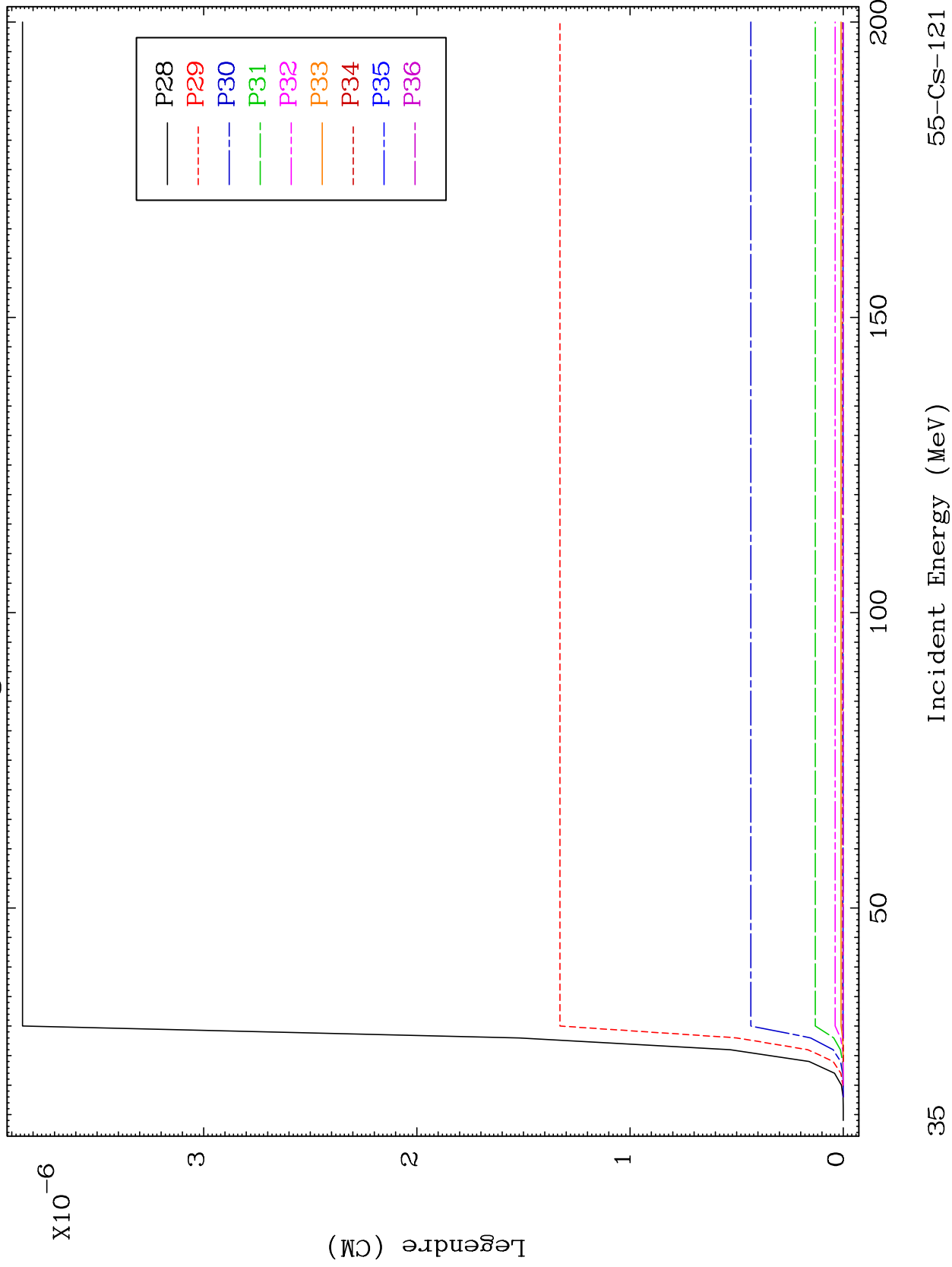
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 54 (n,n') Level
Legendre Coefficients

55-Cs-121



35

50

100

150

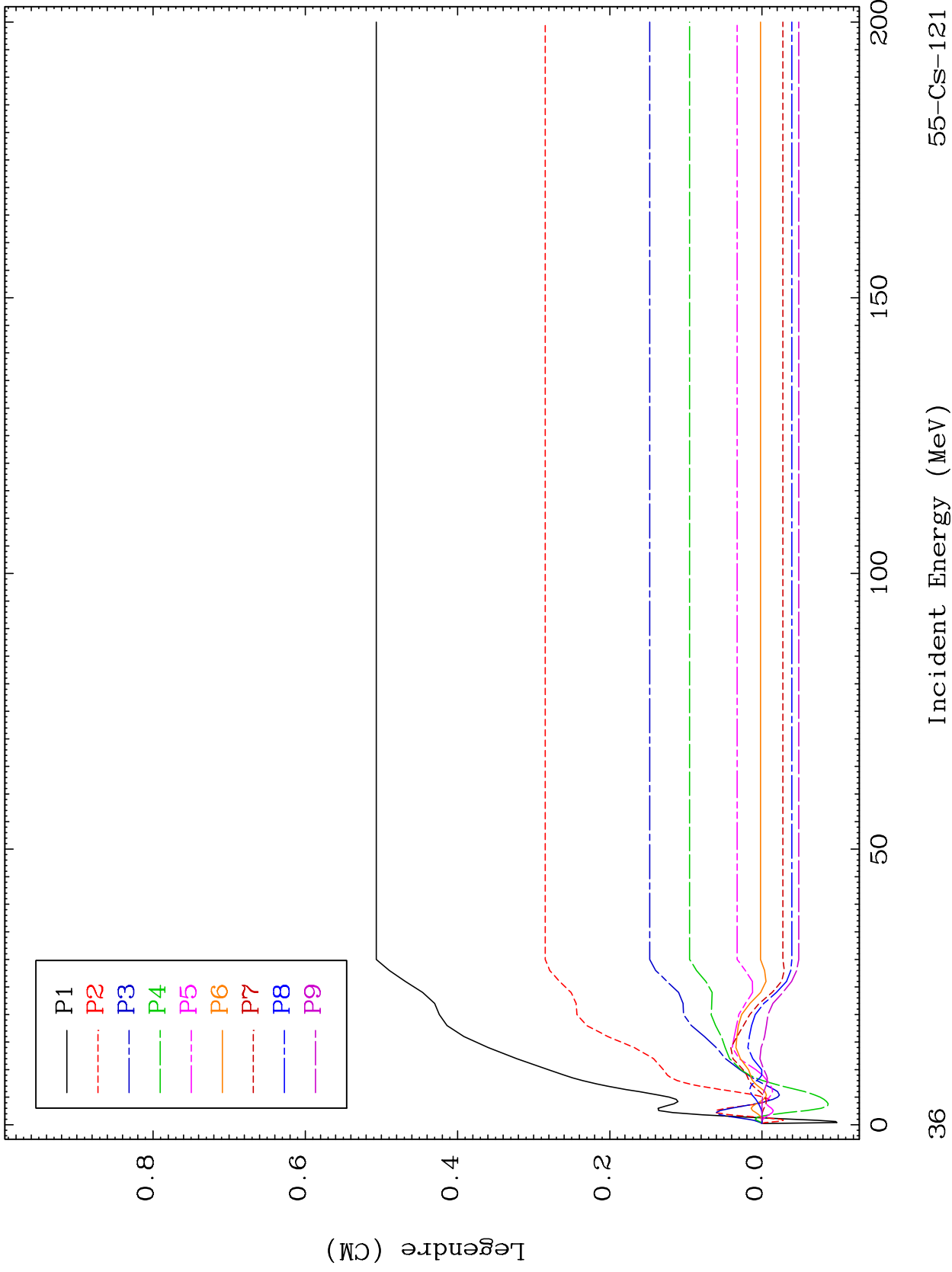
200

55-Cs-121

MAT 5489

MT= 55 (n,n') Level
Legendre Coefficients

55-Cs-121



36

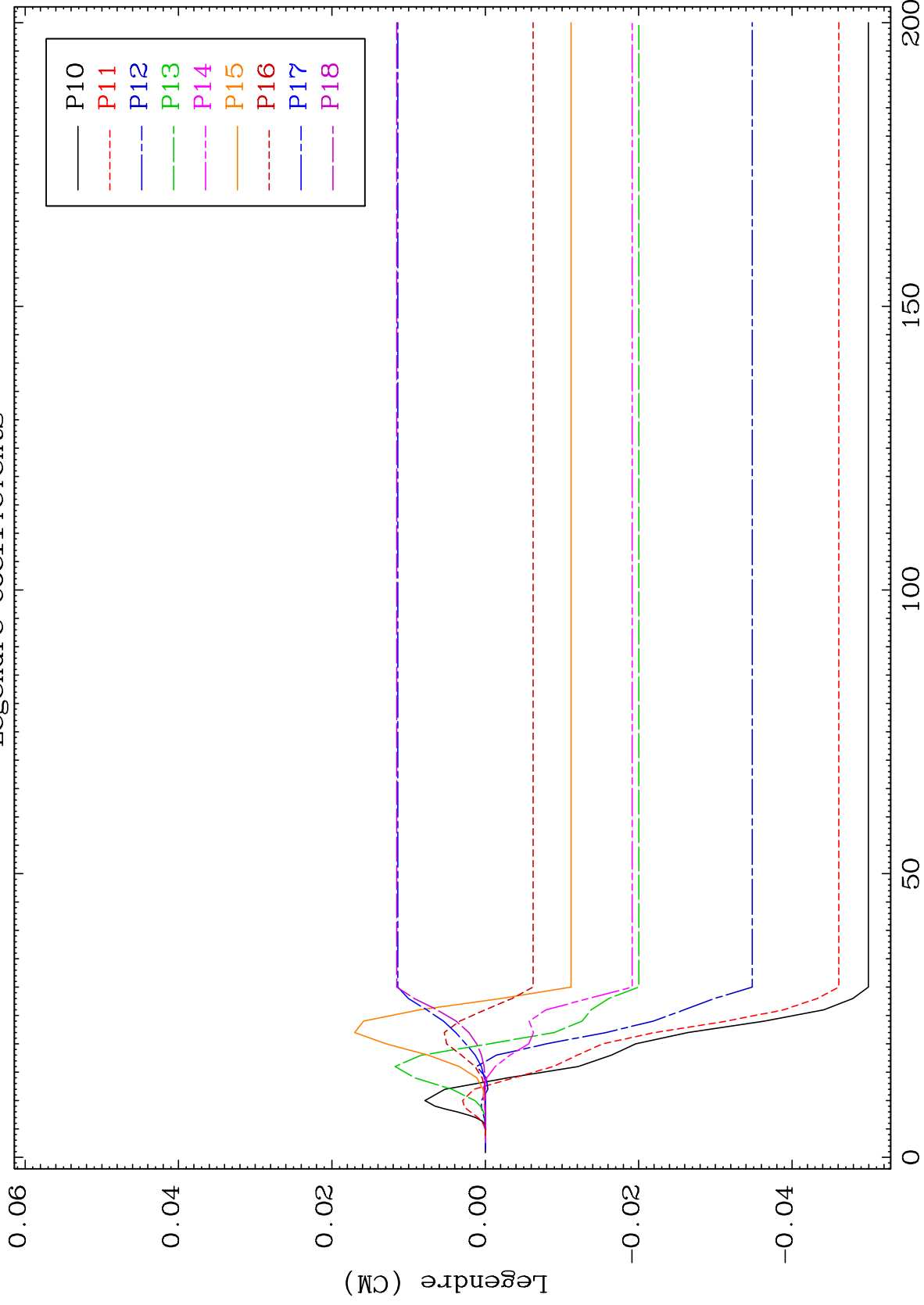
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 55 (n,n') Level
Legendre Coefficients

55-Cs-121



37

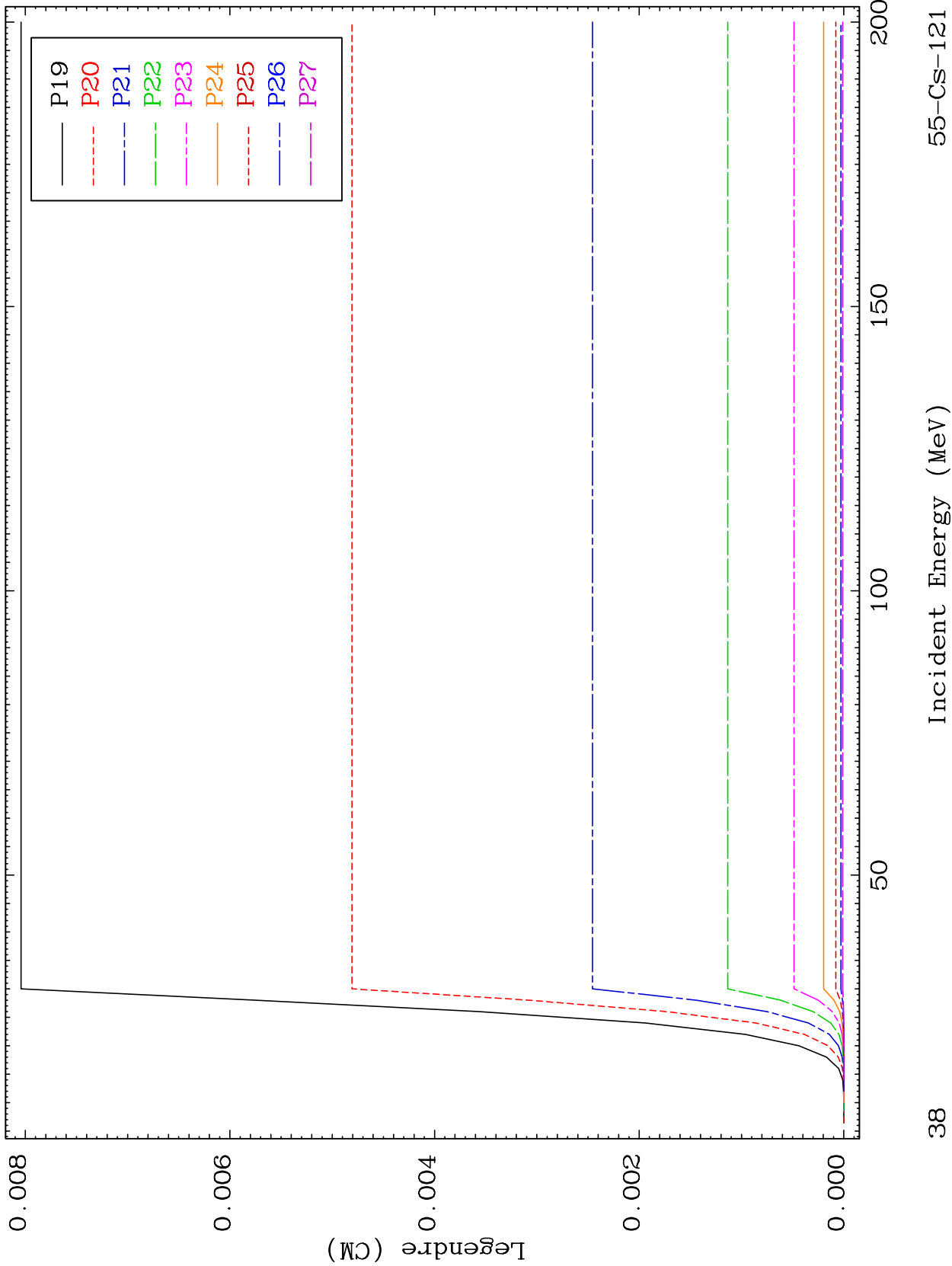
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 55 (n,n') Level
Legendre Coefficients

55-Cs-121



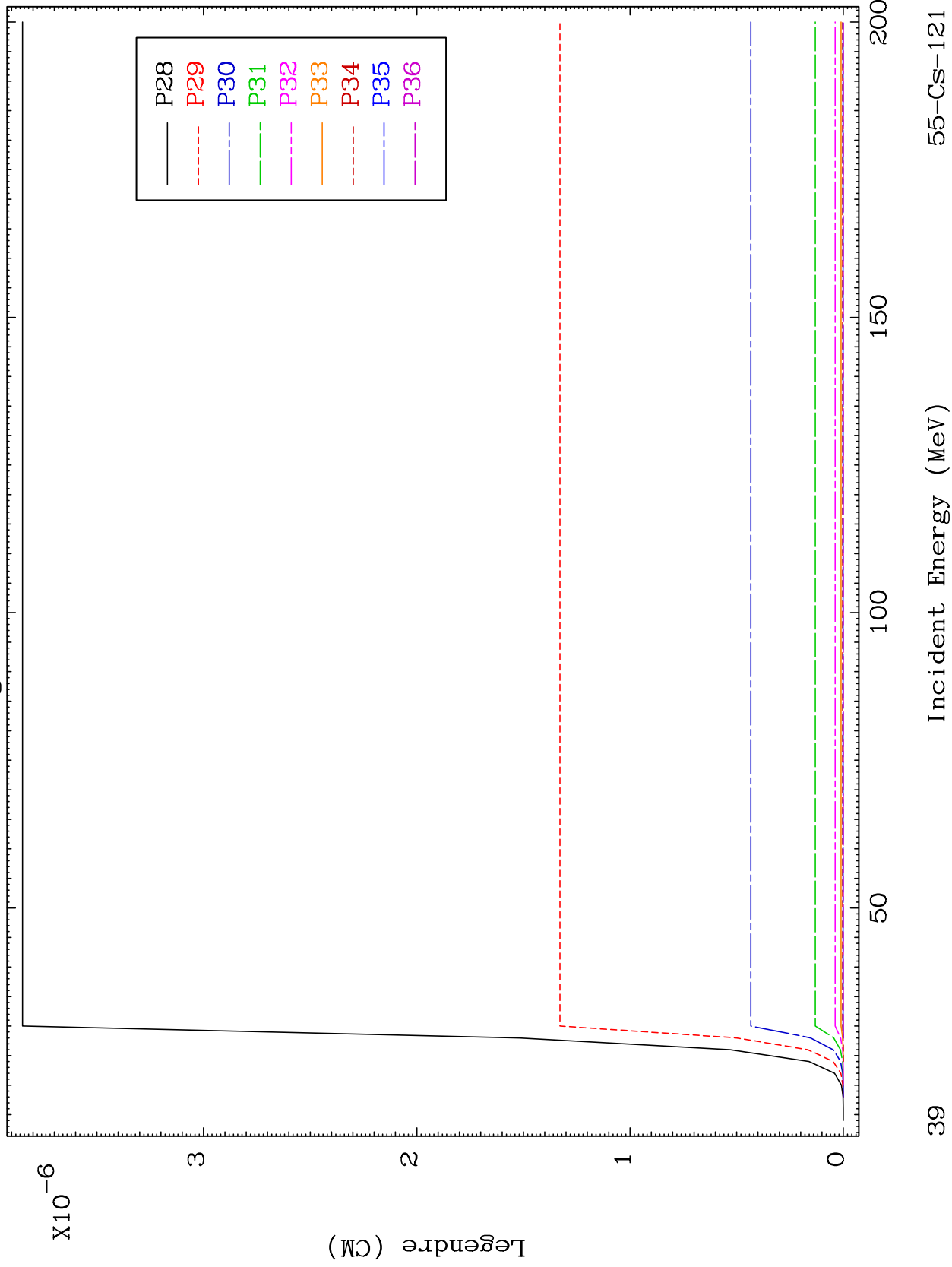
38

55-Cs-121

MAT 5489

MT= 55 (n,n') Level
Legendre Coefficients

55-Cs-121



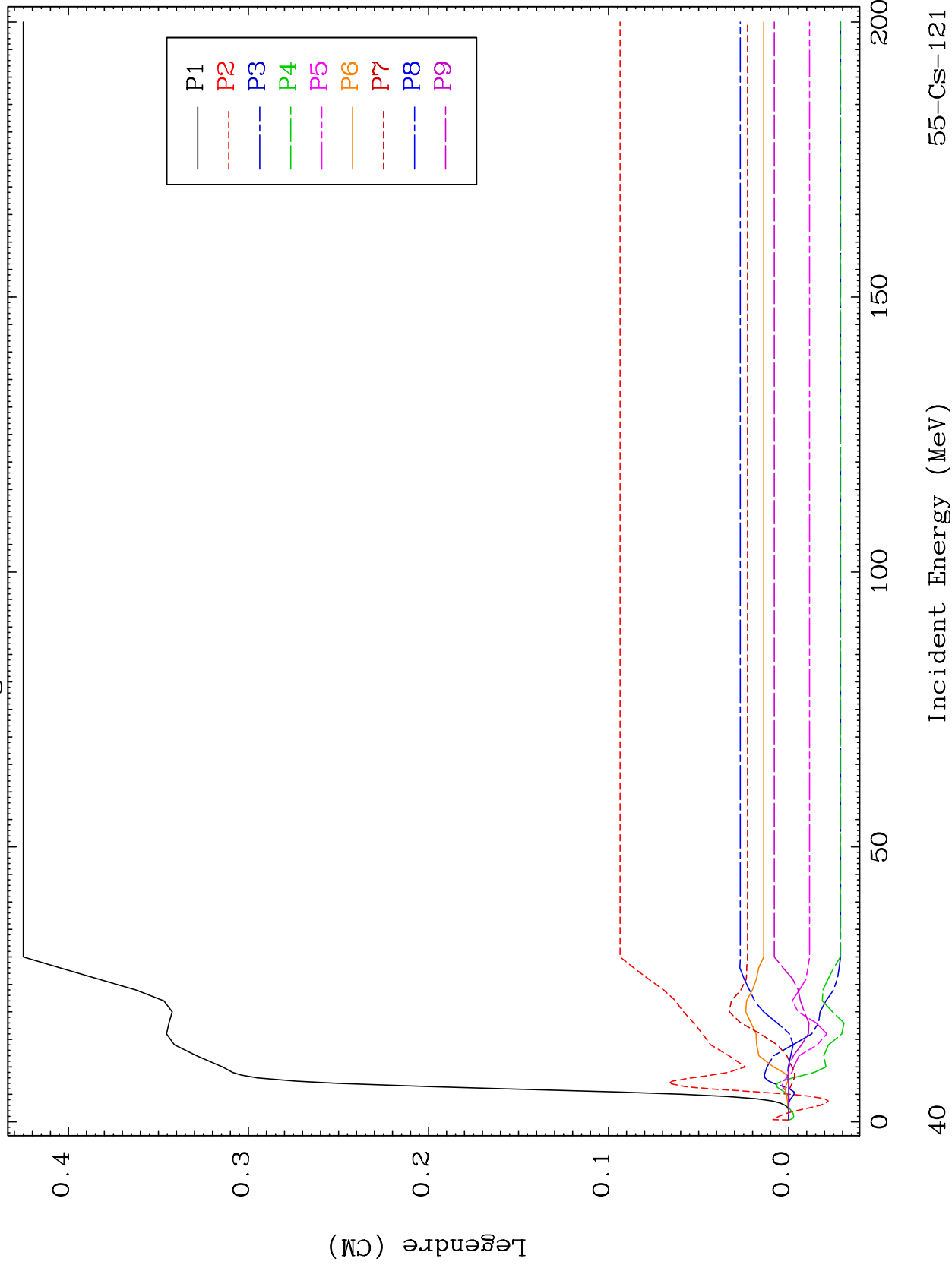
39

55-Cs-121

MAT 5489

MT= 56 (n,n') Level
Legendre Coefficients

55-Cs-121



55-Cs-121

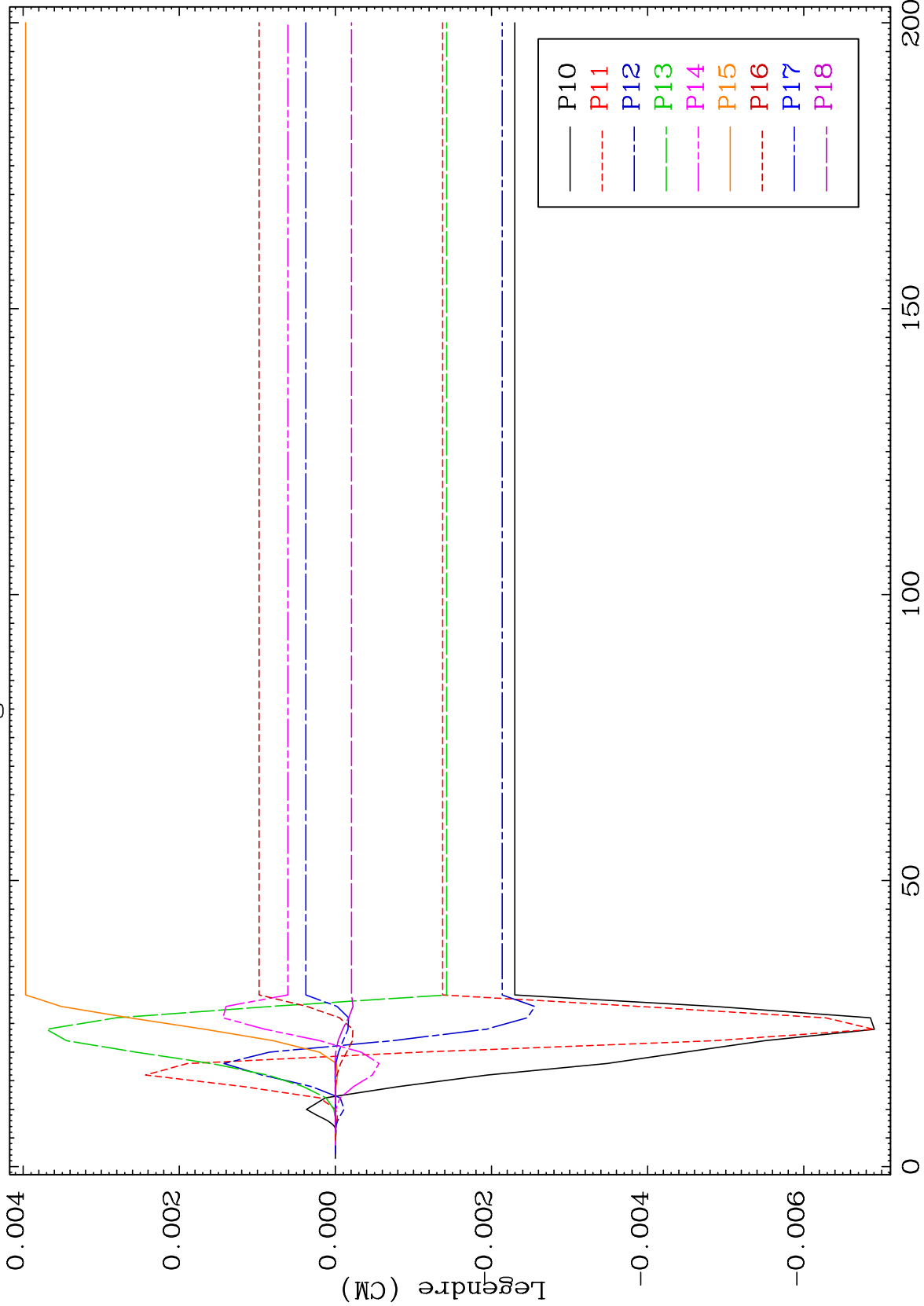
Incident Energy (MeV)

40

MAT 5489

MT= 56 (n,n') Level
Legendre Coefficients

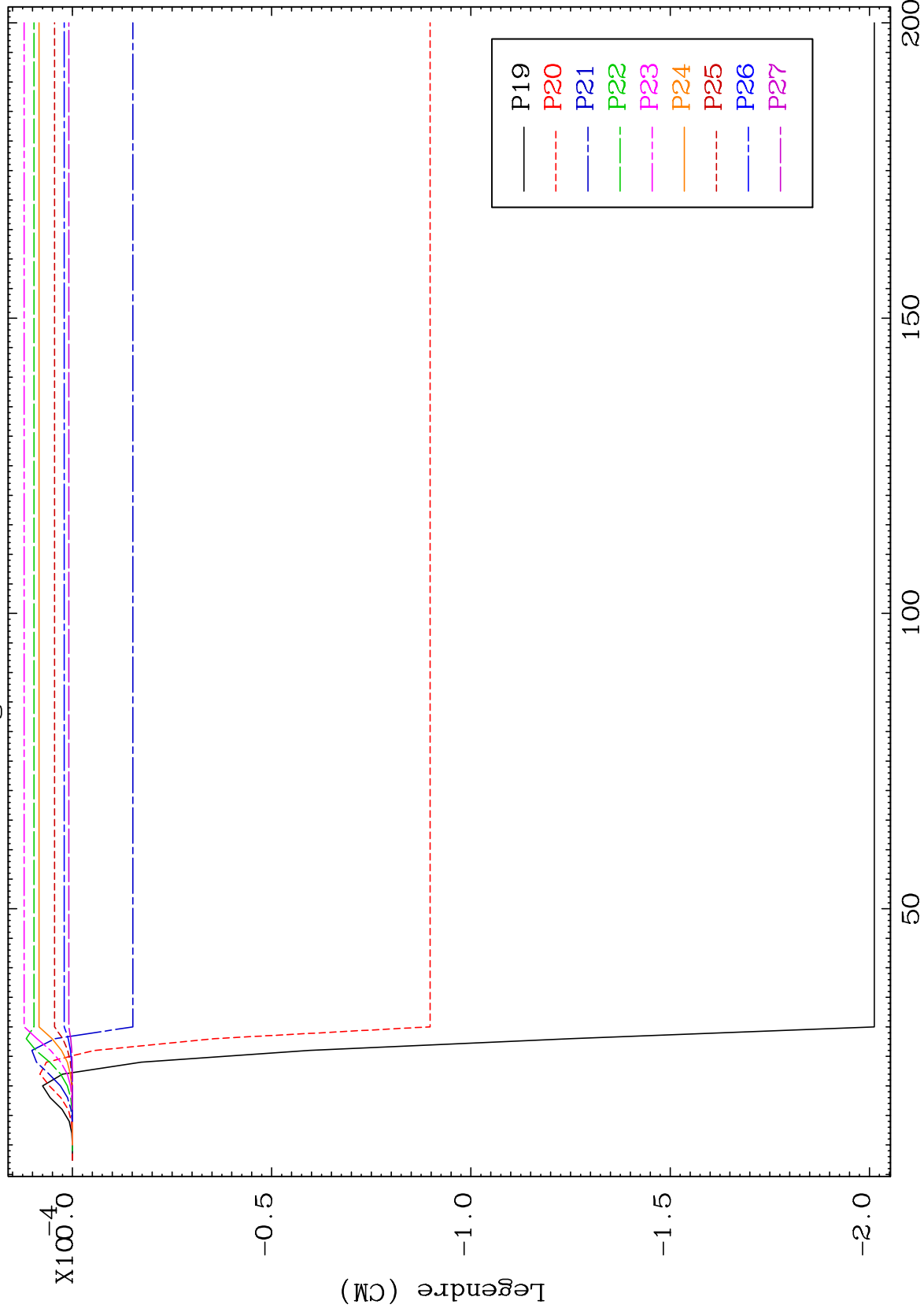
55-Cs-121



MAT 5489

MT= 56 (n,n') Level
Legendre Coefficients

55-Cs-121



42

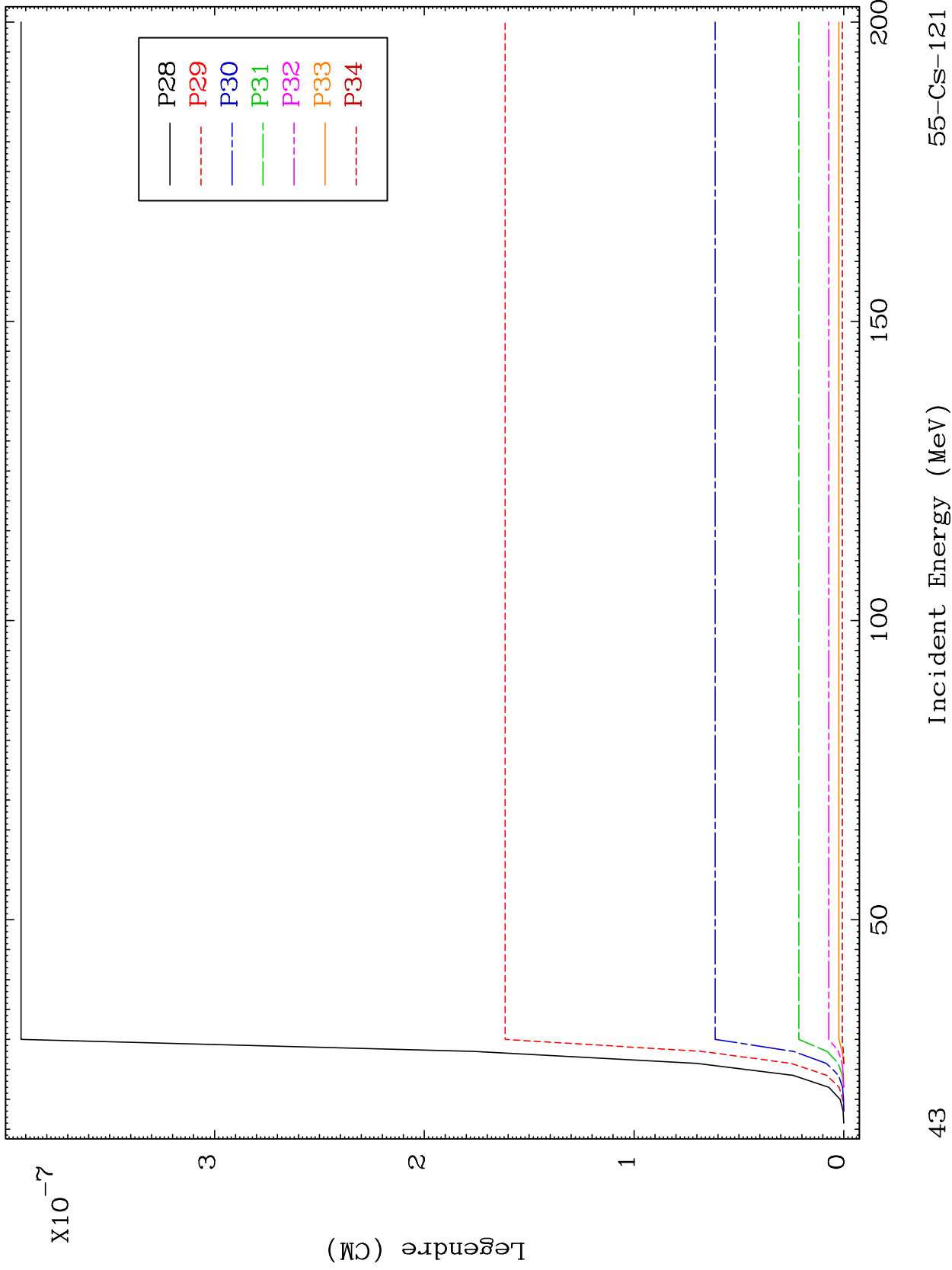
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 56 (n,n') Level
Legendre Coefficients

55-Cs-121



43

Incident Energy (MeV)

55-Cs-121

200

150

100

50

$\times 10^{-7}$

3

2

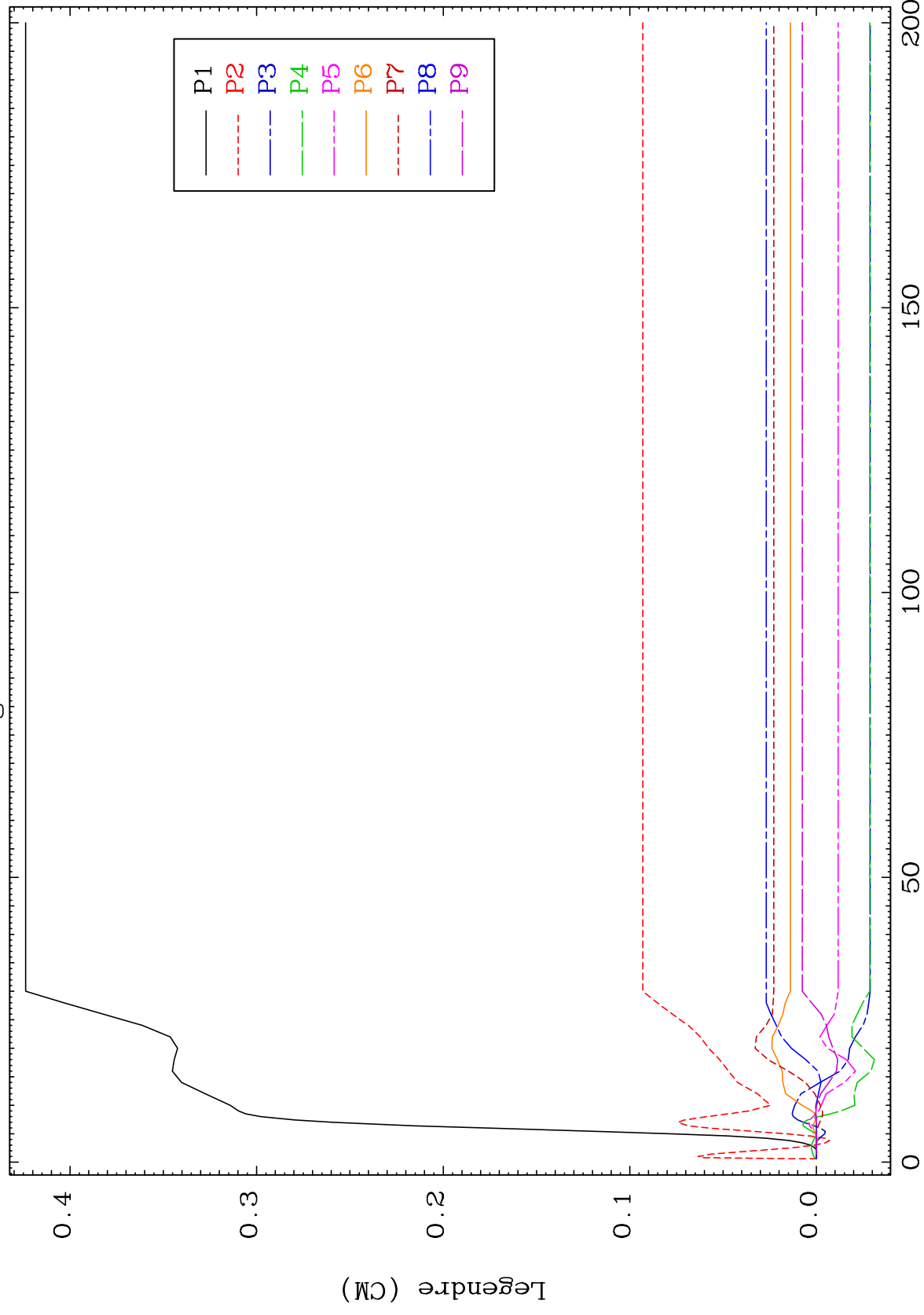
1

0

MAT 5489

MT= 57 (n,n') Level
Legendre Coefficients

55-Cs-121



44

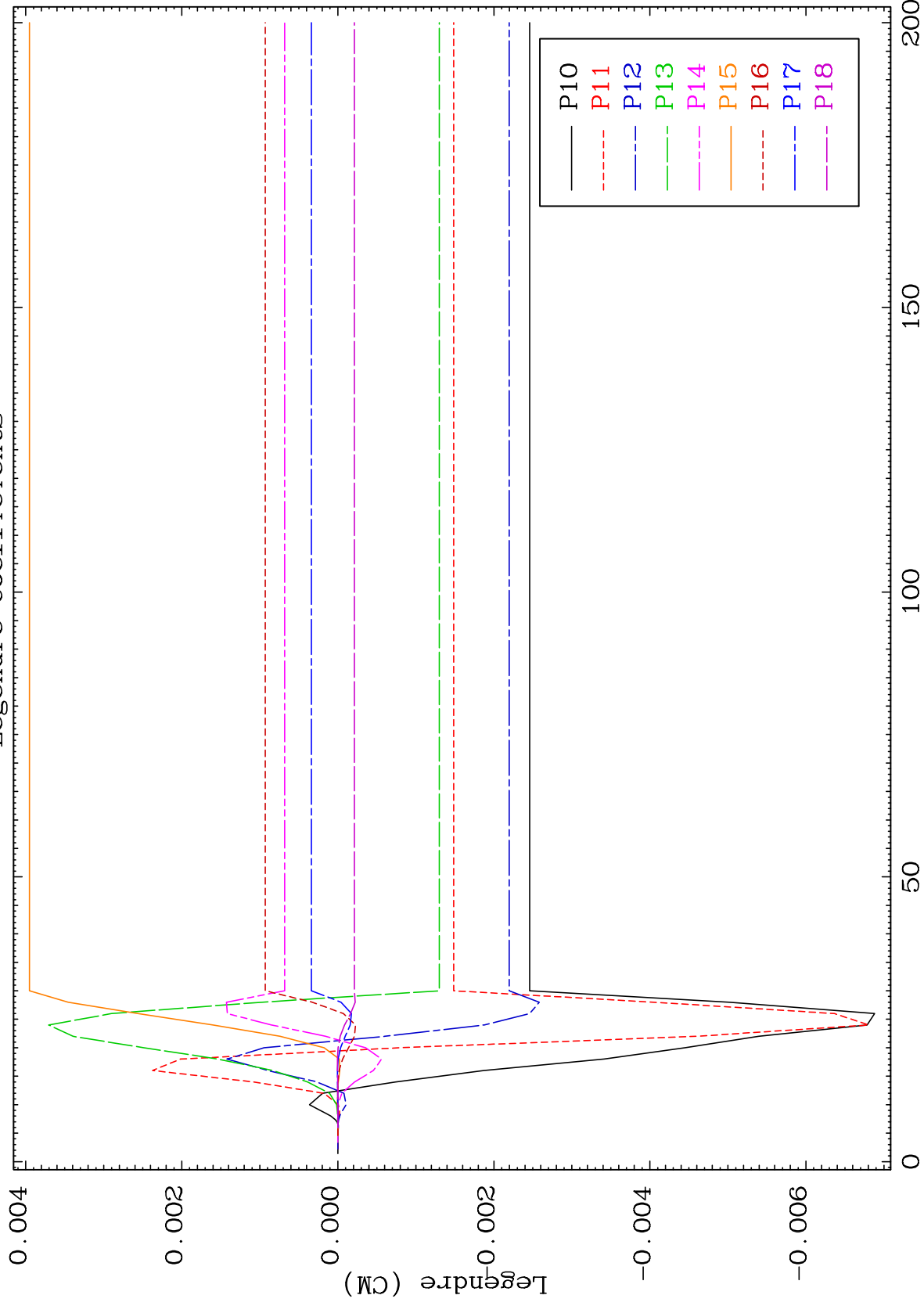
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 57 (n,n') Level
Legendre Coefficients

55-Cs-121



45

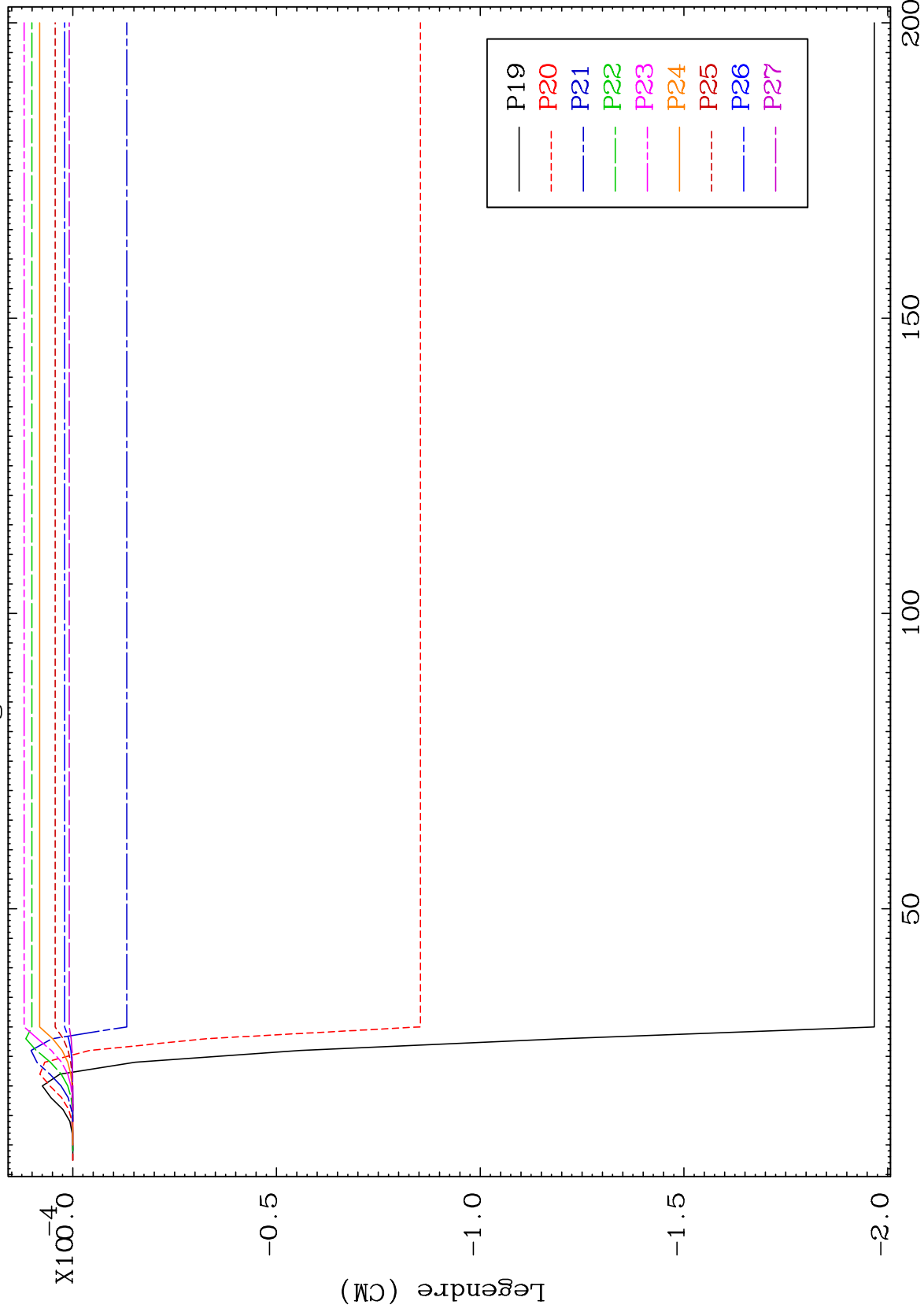
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 57 (n,n') Level
Legendre Coefficients

55-Cs-121



46

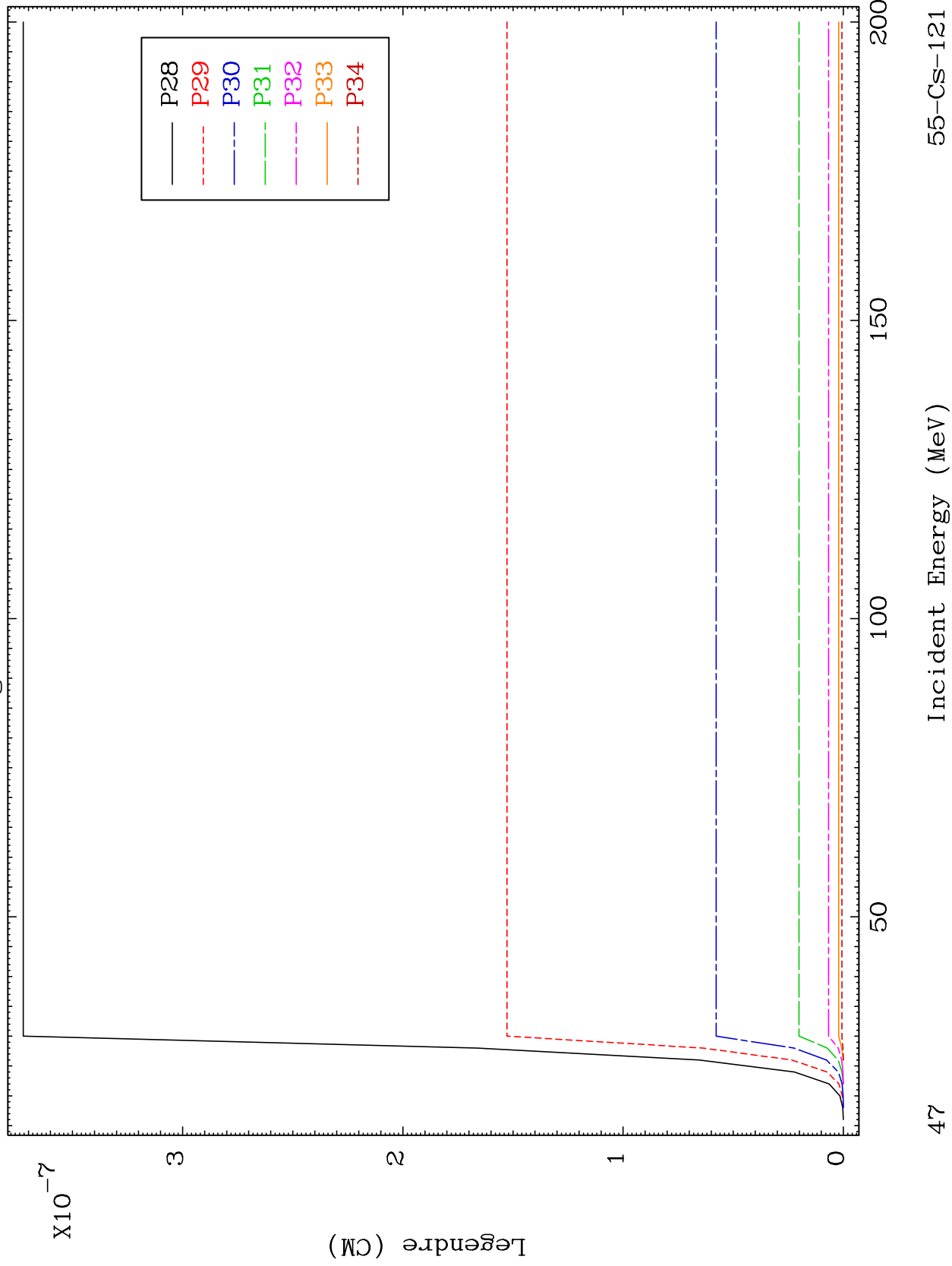
Incident Energy (MeV)

55-Cs-121

MAT 5489

MT= 57 (n,n') Level
Legendre Coefficients

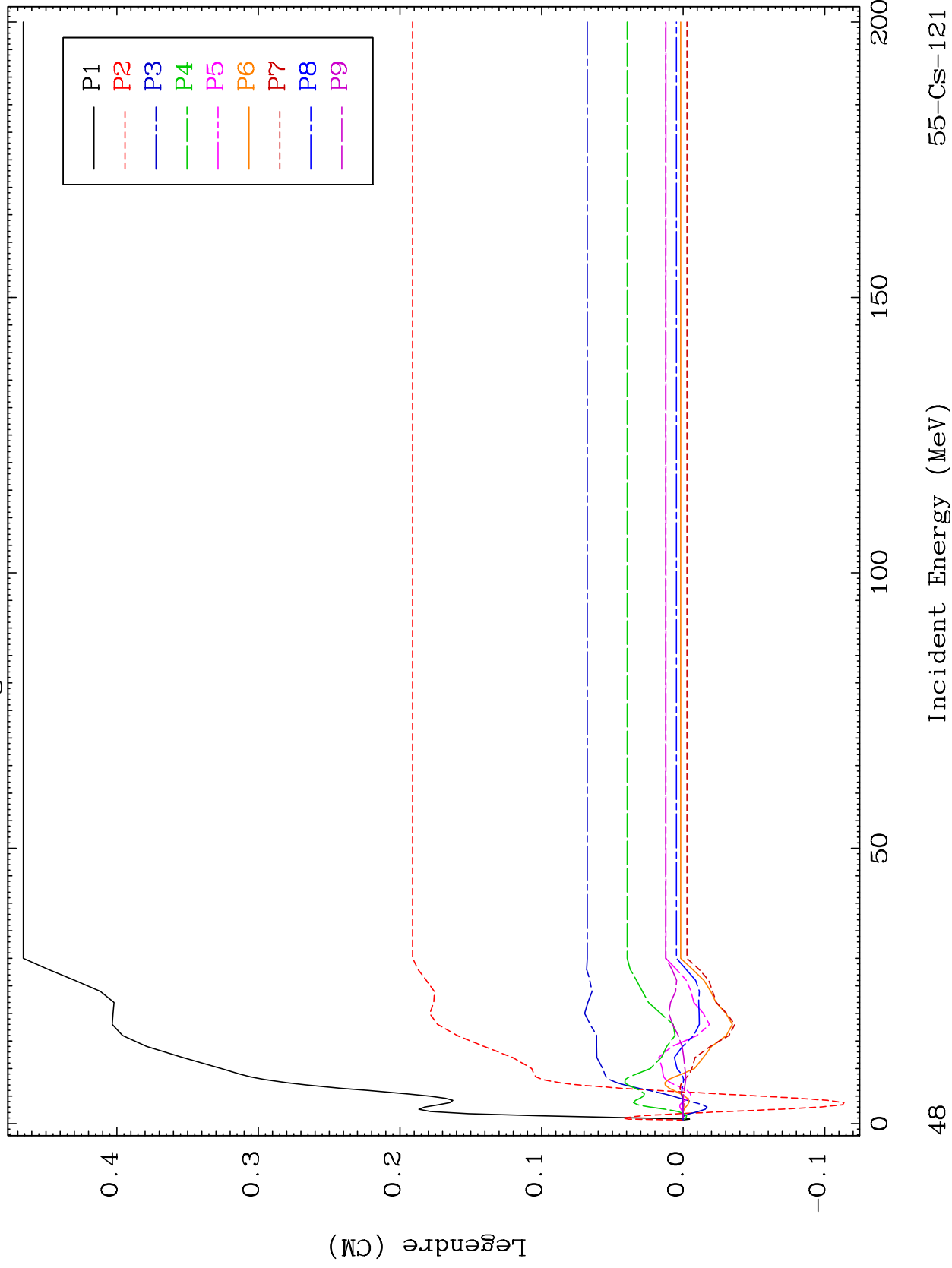
55-Cs-121



MAT 5489

MT= 58 (n,n') Level
Legendre Coefficients

55-Cs-121



55-Cs-121

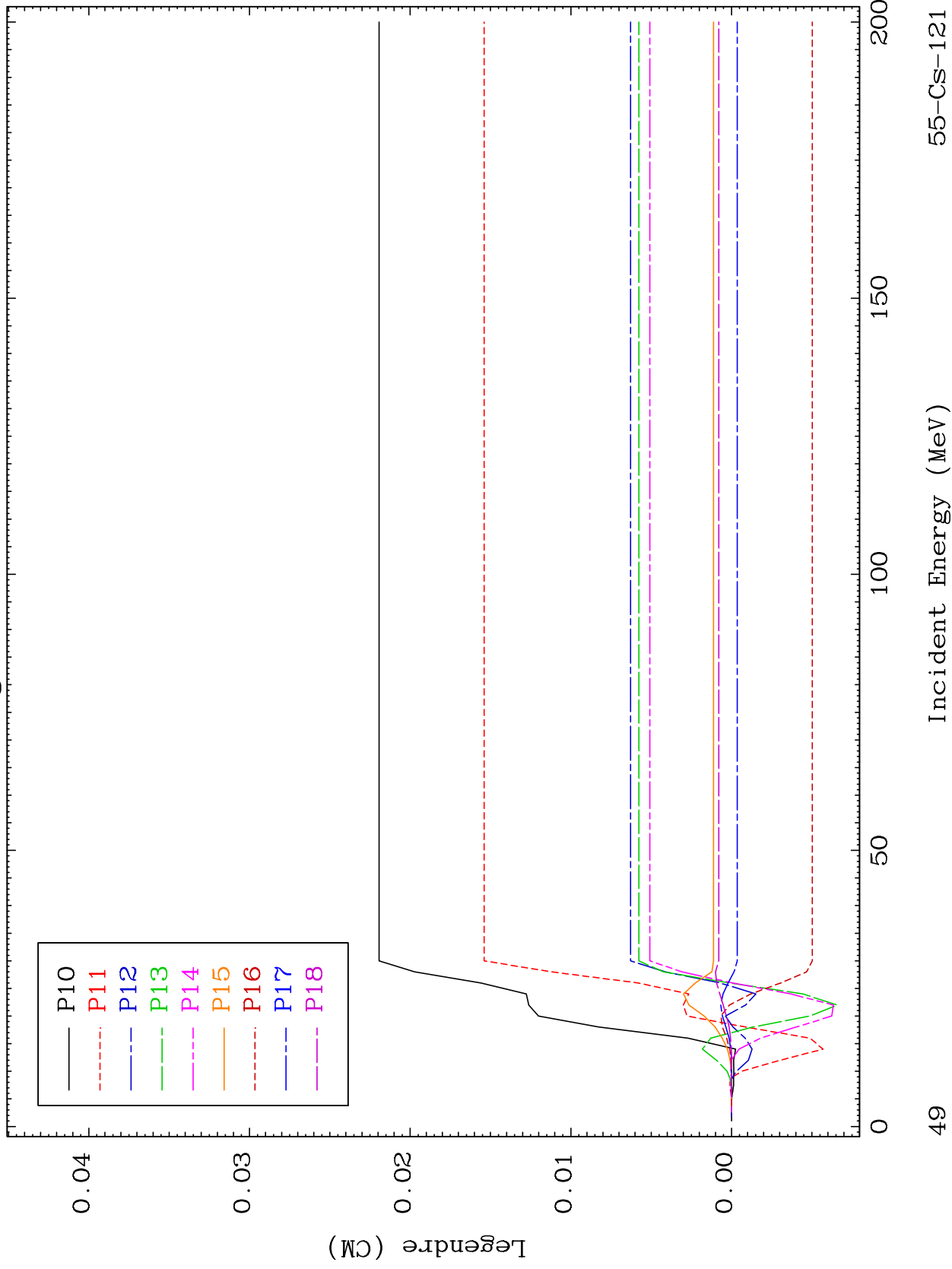
Incident Energy (MeV)

48

MAT 5489

MT= 58 (n,n') Level
Legendre Coefficients

55-Cs-121



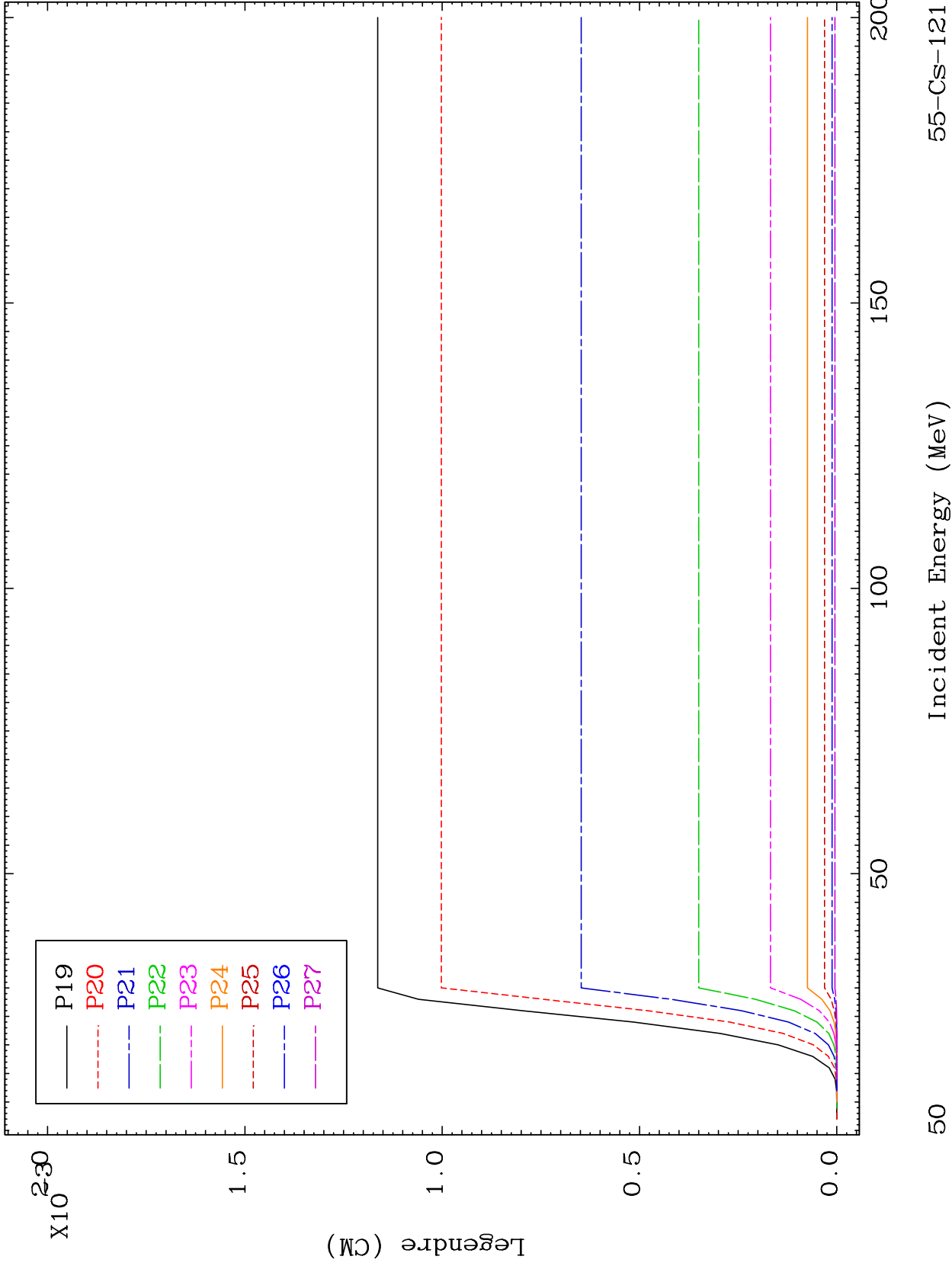
49

55-Cs-121

MAT 5489

MT= 58 (n,n') Level
Legendre Coefficients

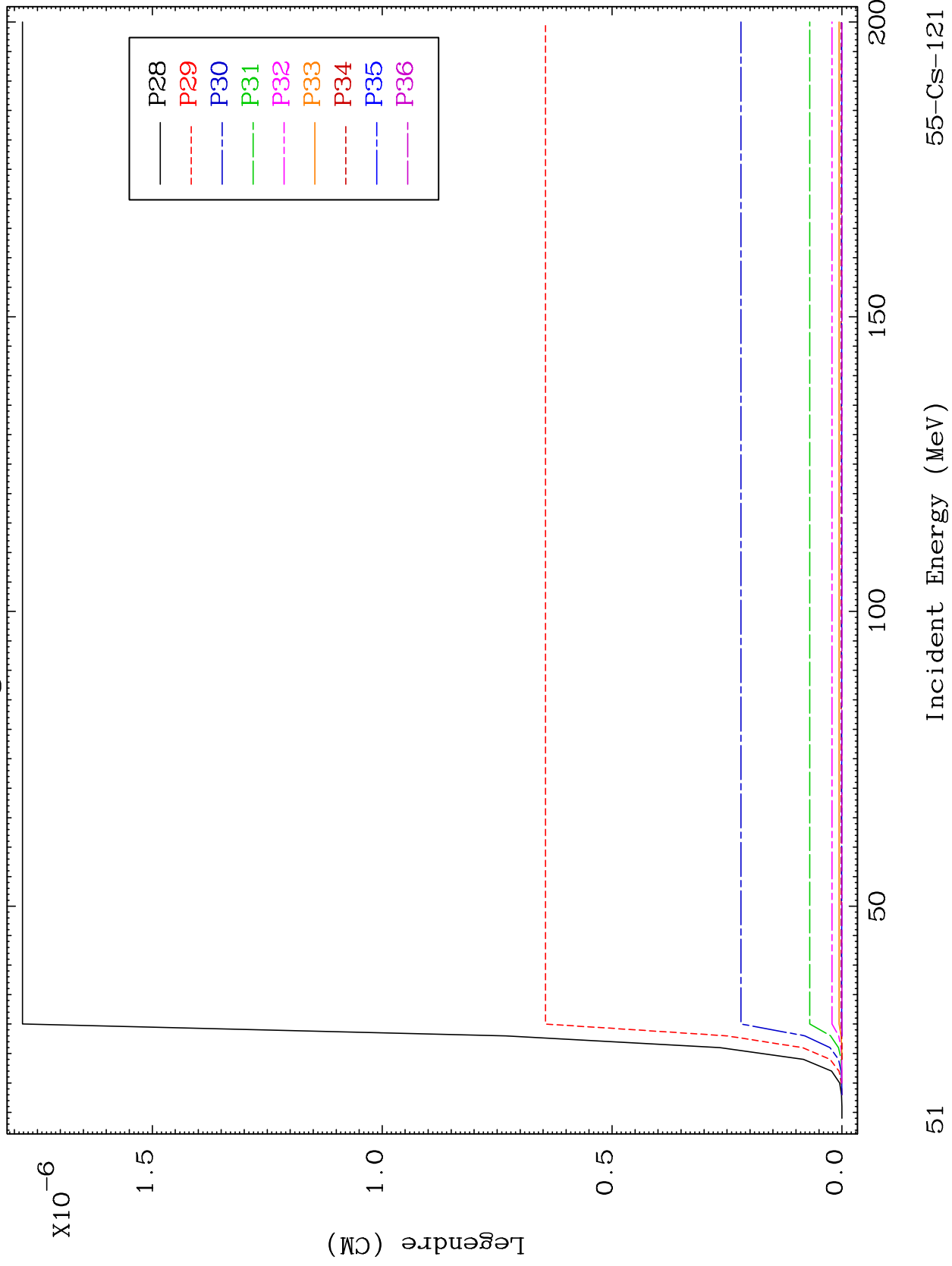
55-Cs-121



MAT 5489

MT= 58 (n,n') Level
Legendre Coefficients

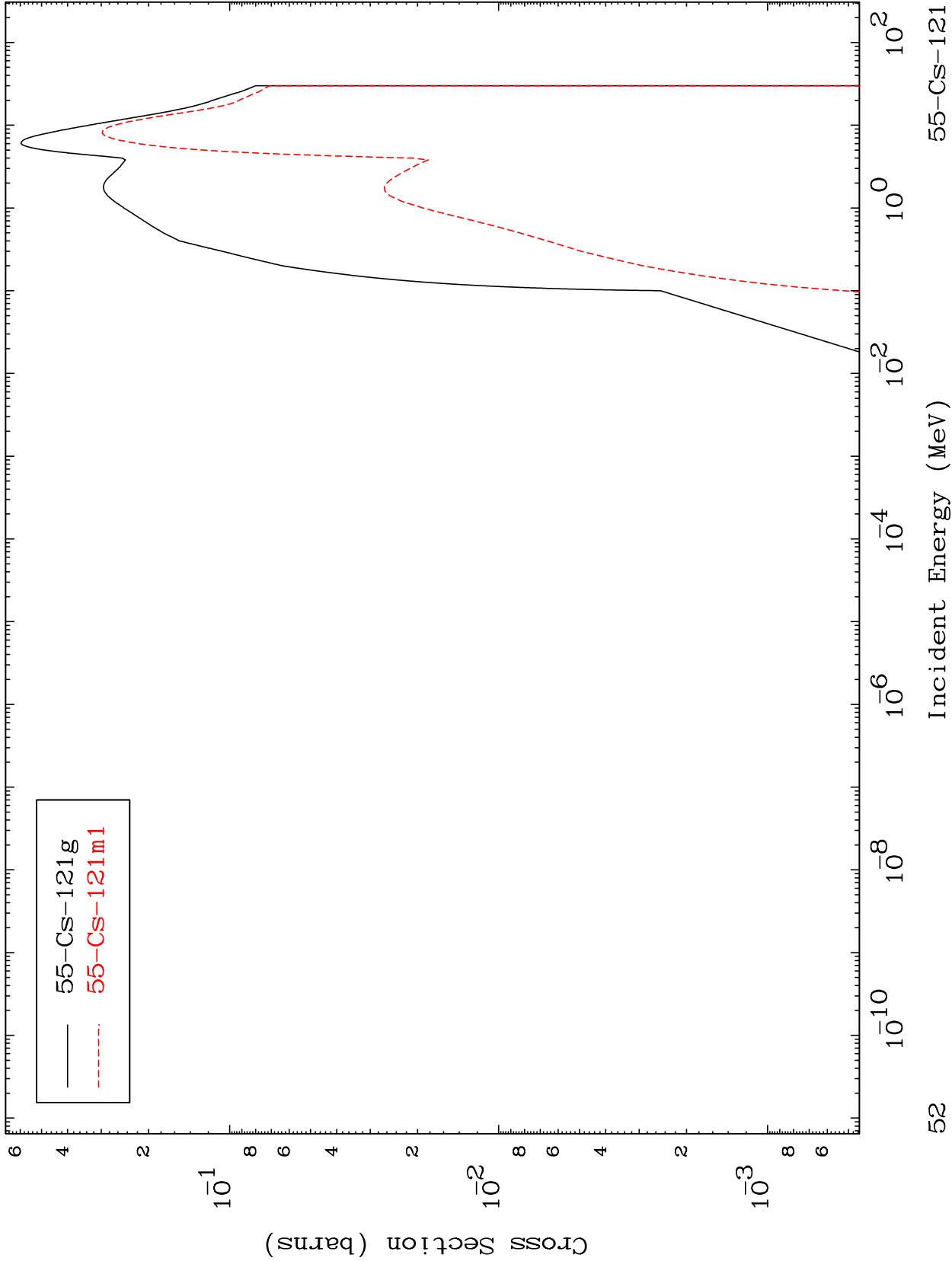
55-Cs-121



MAT 5489

Inelastic
Radionuclide Production Cross Section

55-Cs-121

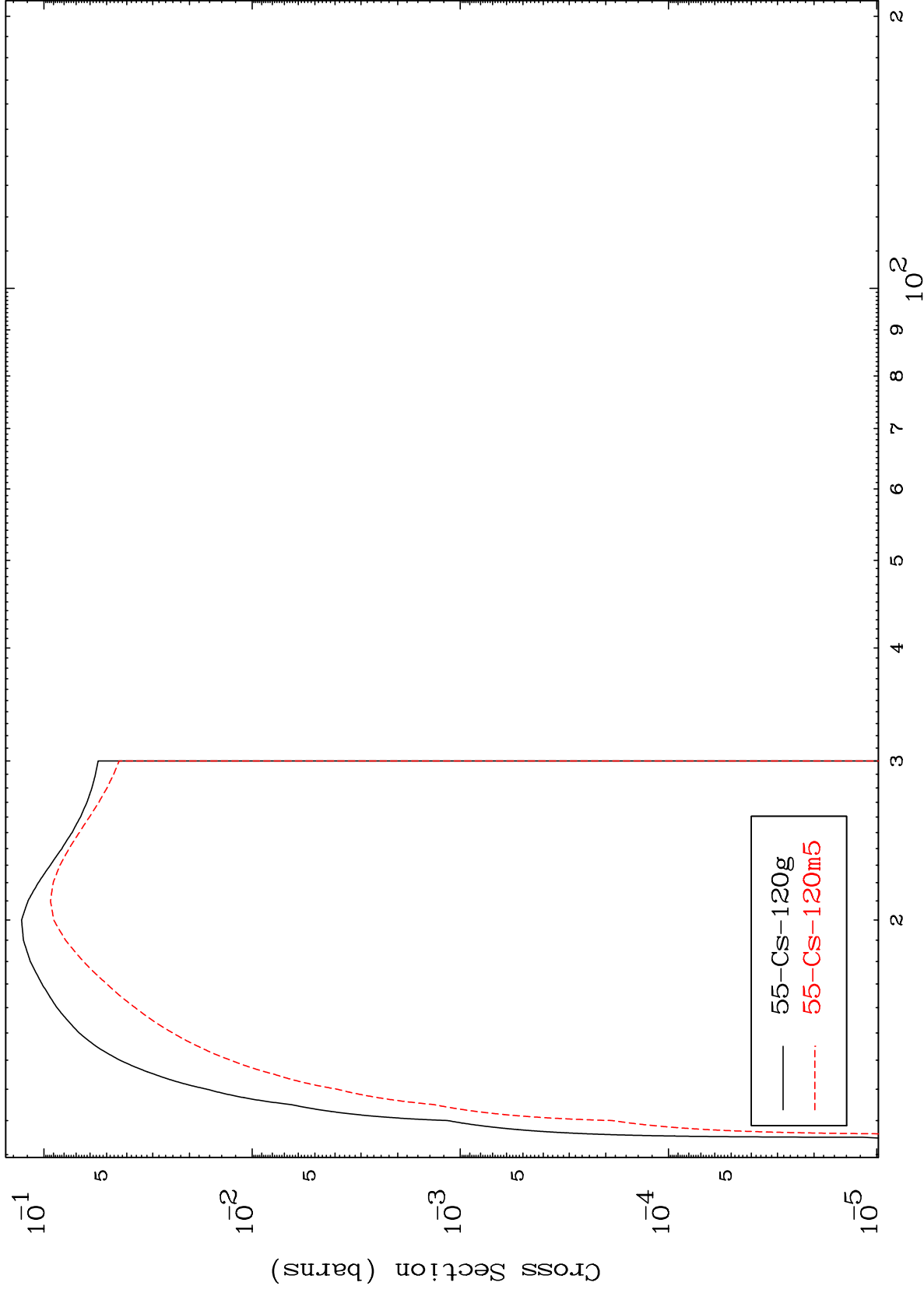


55-Cs-121 g
55-Cs-121 m1

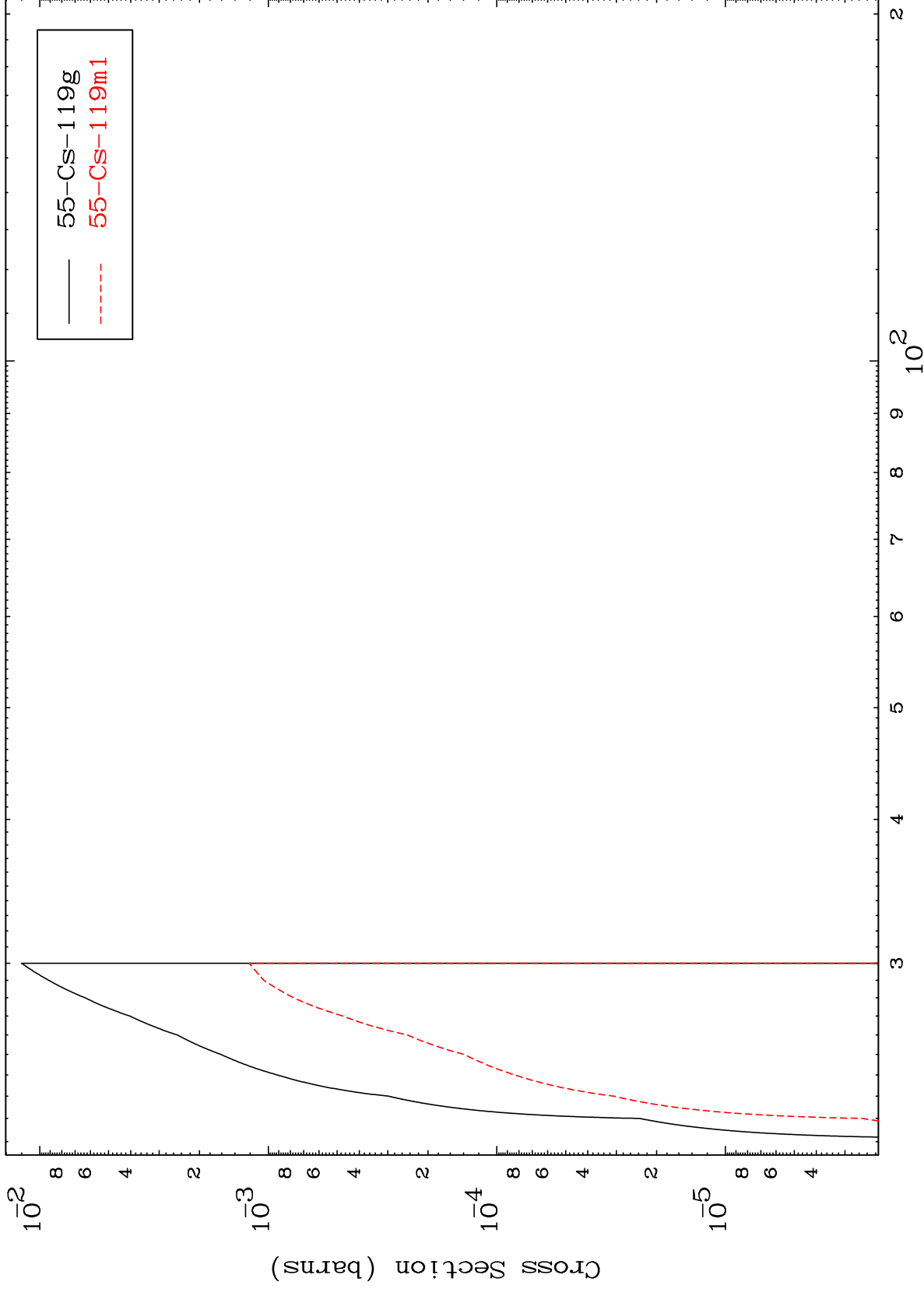
52

55-Cs-121

(n,2n)
Radionuclide Production Cross Section



Radionuclide Production Cross Section

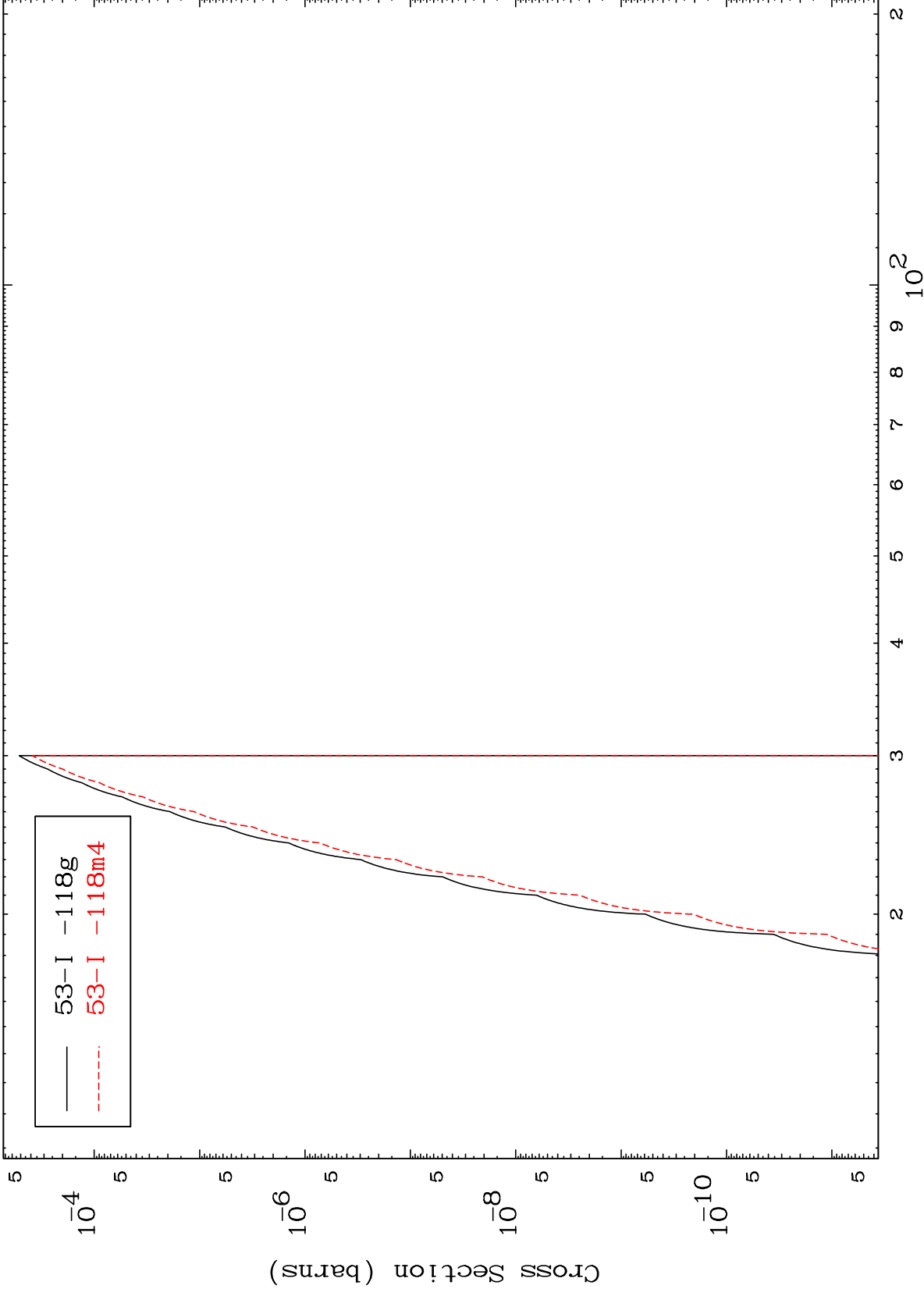


MAT 5489

(n,n') He-3

55-Cs-121

Radionuclide Production Cross Section



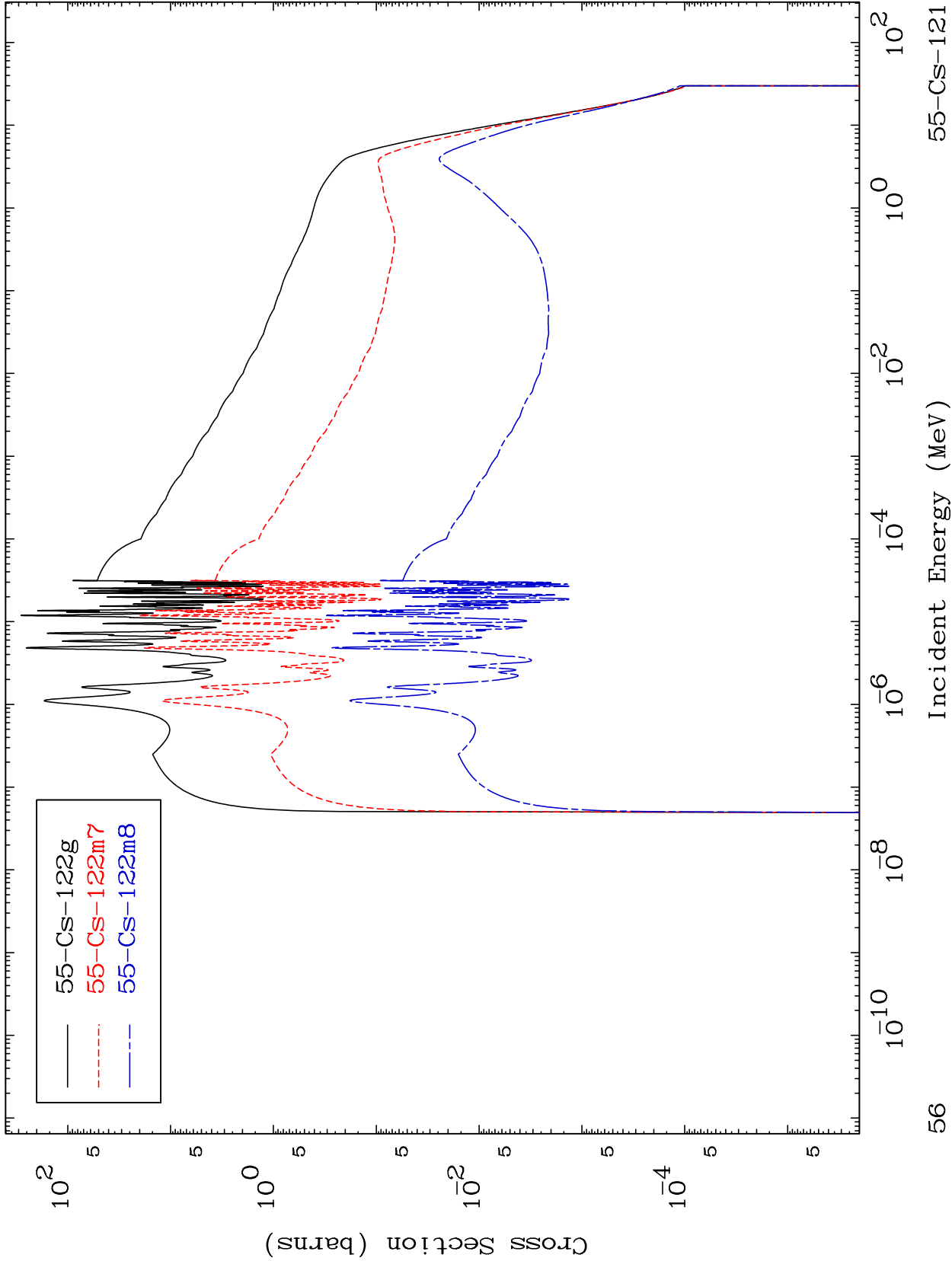
53-I -118g
53-I -118m4

55

Incident Energy (MeV)

55-Cs-121

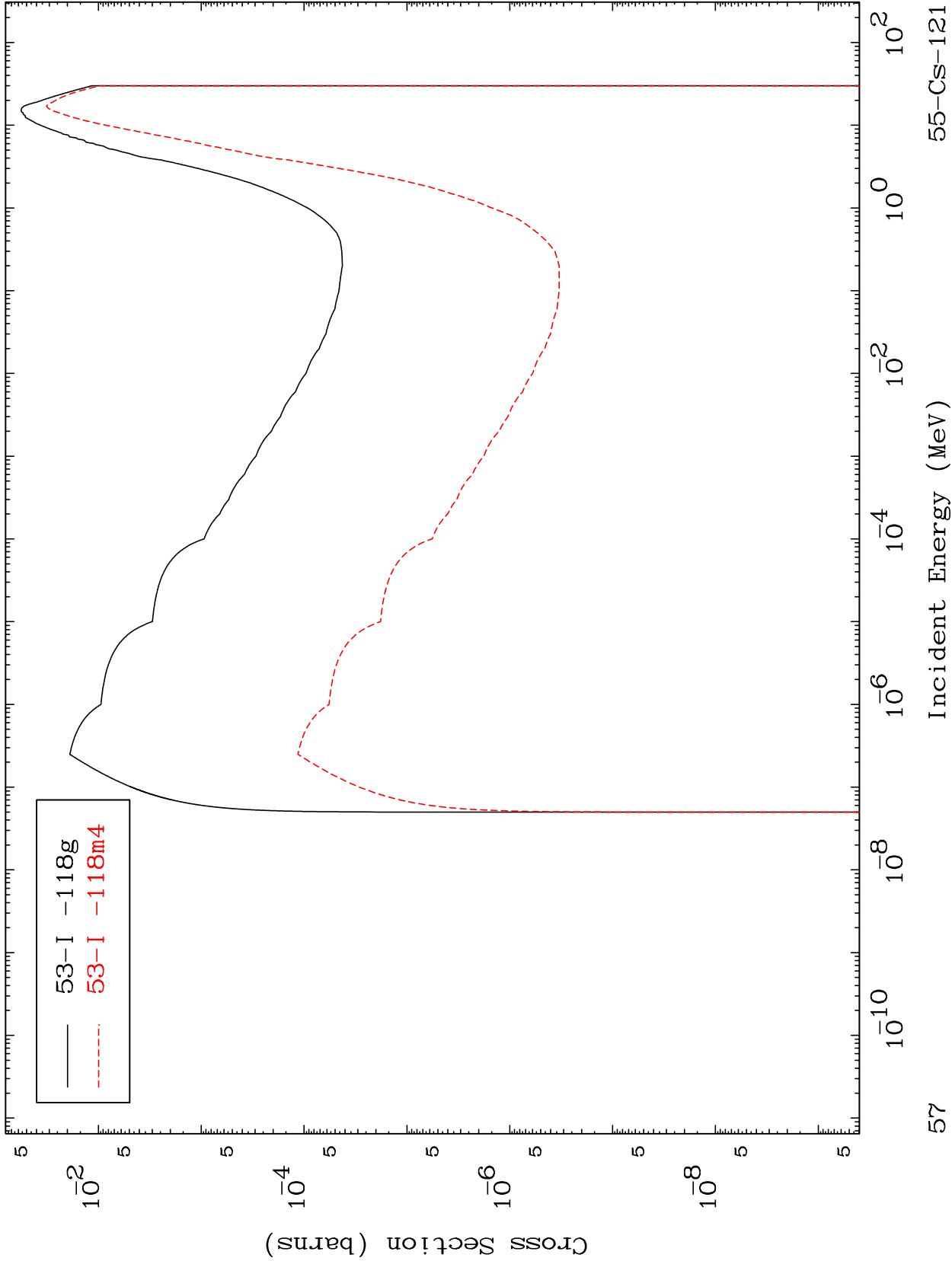
(n, γ)
Radionuclide Production Cross Section



MAT 5489

55-Cs-121

(n, α)
Radionuclide Production Cross Section

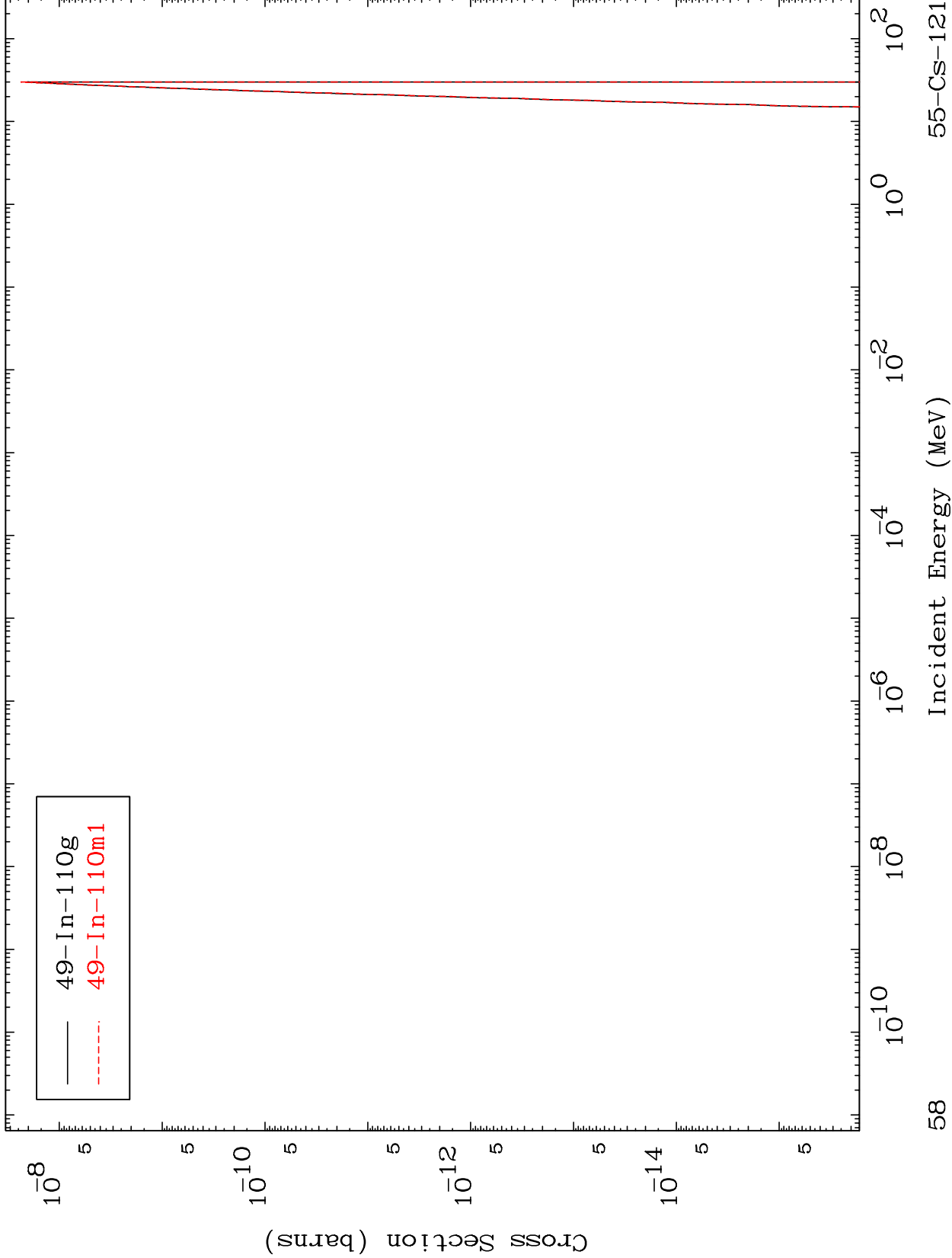


MAT 5489

(n,3α)

55-Cs-121

Radionuclide Production Cross Section



58

Incident Energy (MeV)

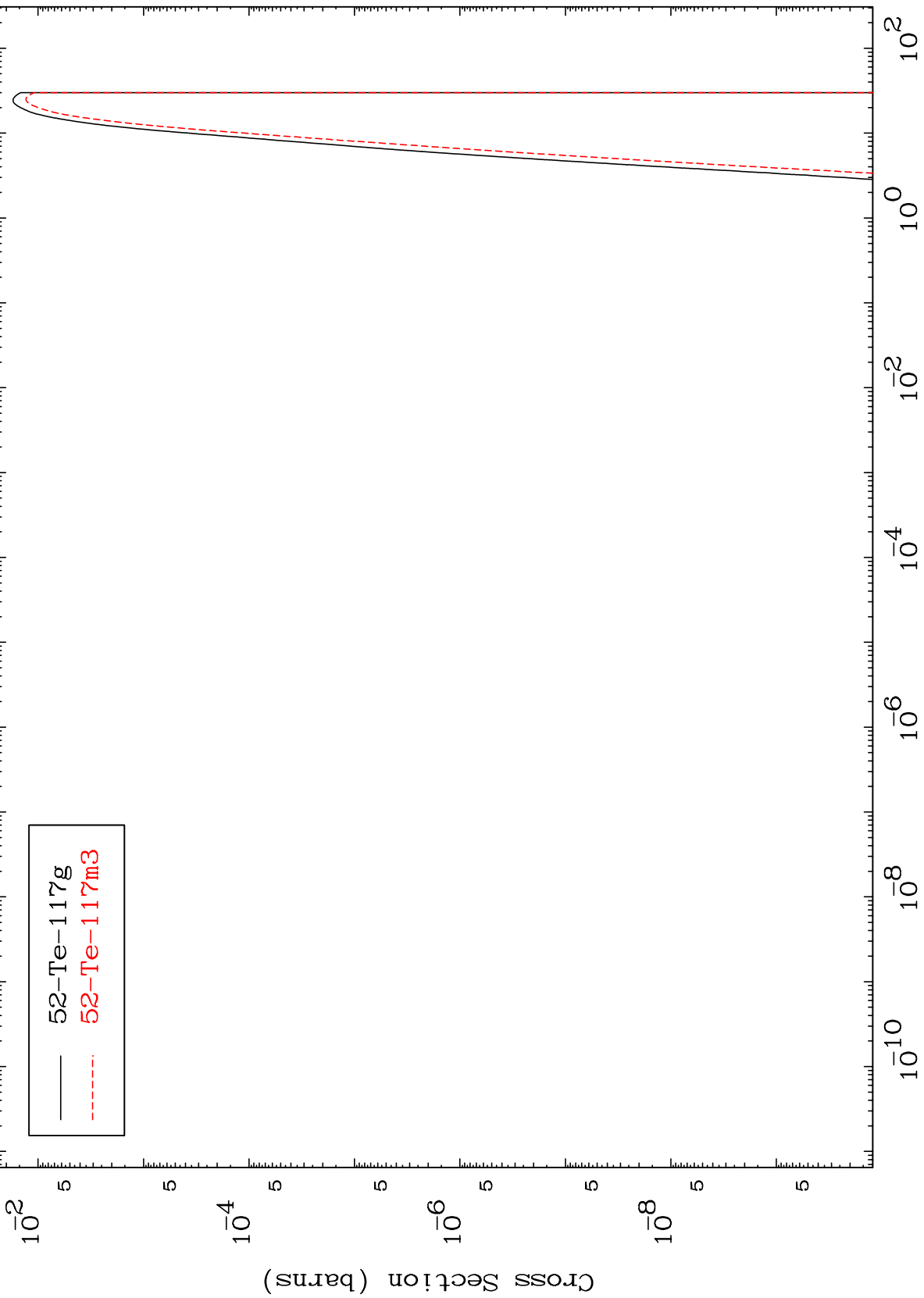
55-Cs-121

MAT 5489

(n,p) α

55-Cs-121

Radionuclide Production Cross Section



59

Incident Energy (MeV)

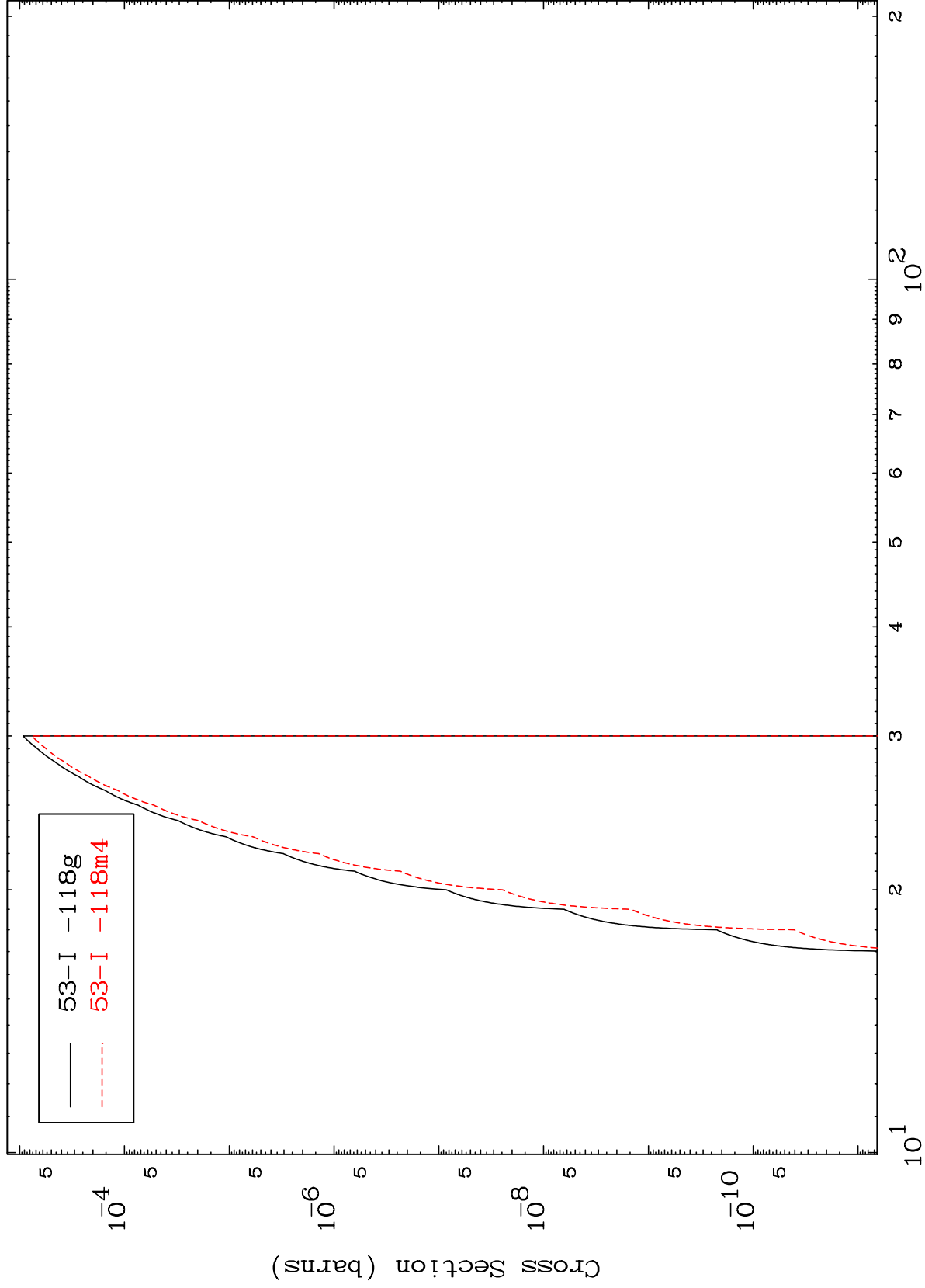
55-Cs-121

MAT 5489

(n,p) t

55-Cs-121

Radionuclide Production Cross Section



Incident Energy (MeV)

55-Cs-121

60