

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

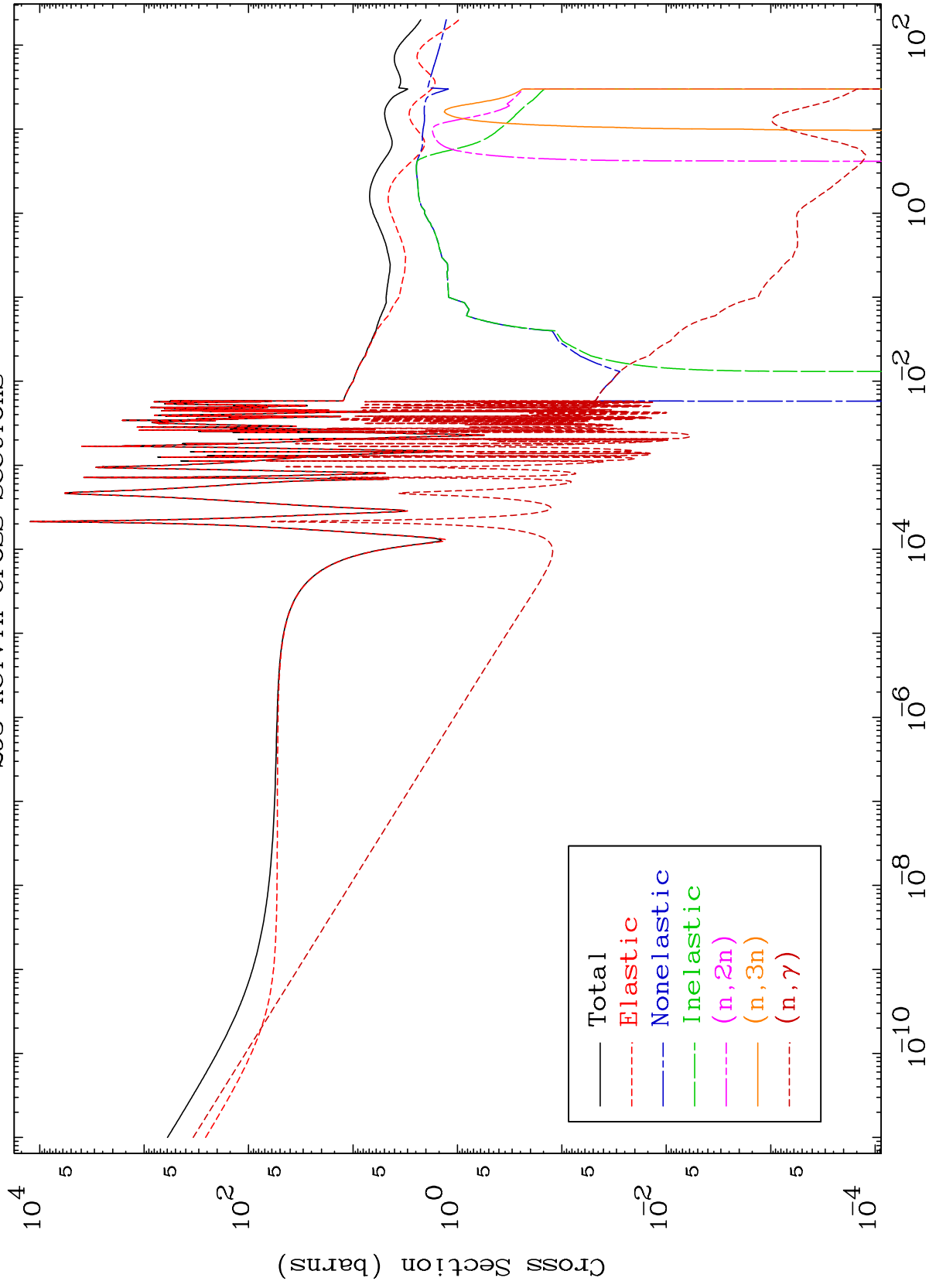
Press Mouse Button to Start

MAT 5552

Neutron Major

293 Kelvin Cross Sections

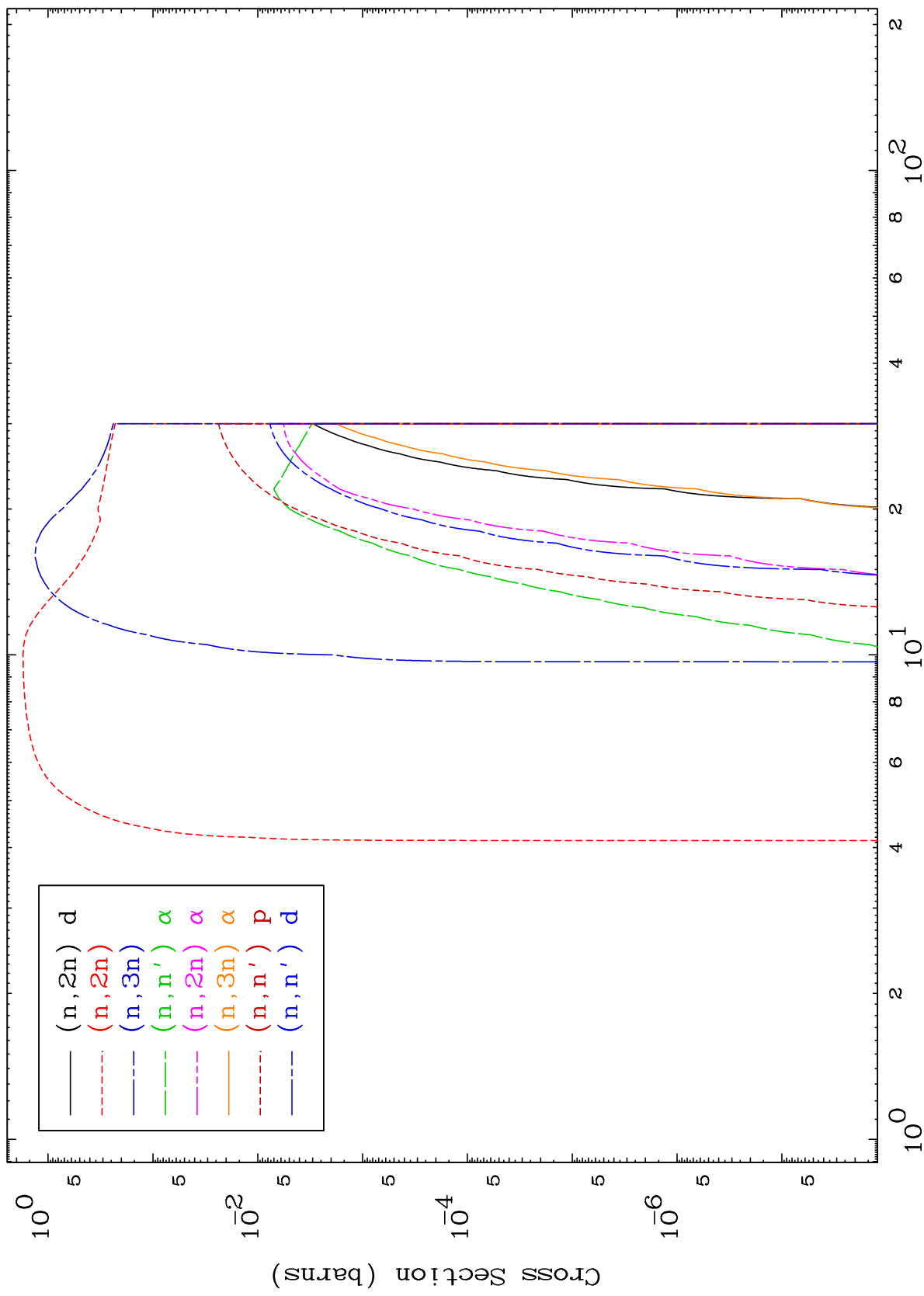
55-Cs-142



MAT 5552

Neutron Absorption
293 Kelvin Cross Sections

55-Cs-142



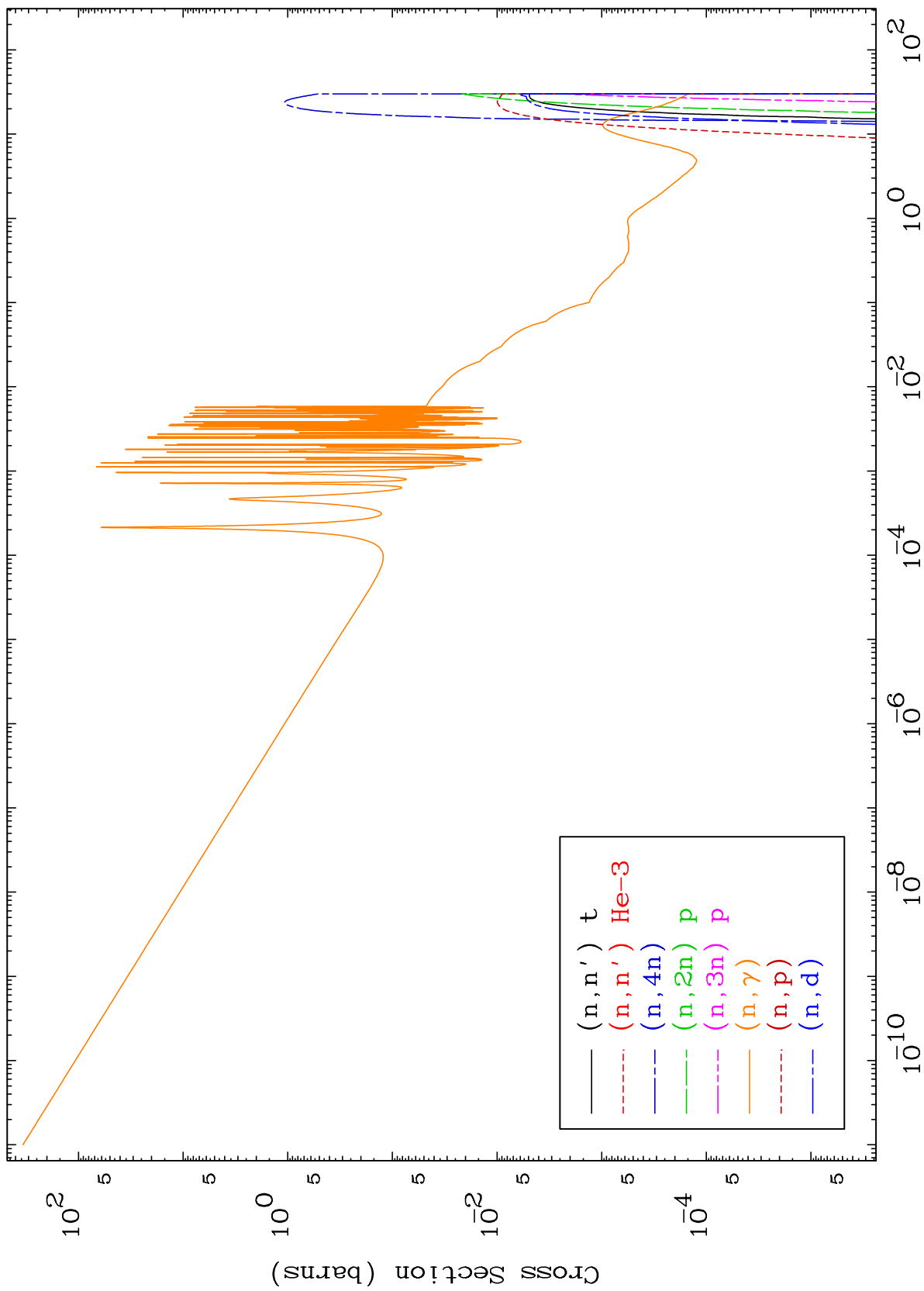
Incident Energy (MeV)

55-Cs-142

MAT 5552

Neutron Absorption
293 Kelvin Cross Sections

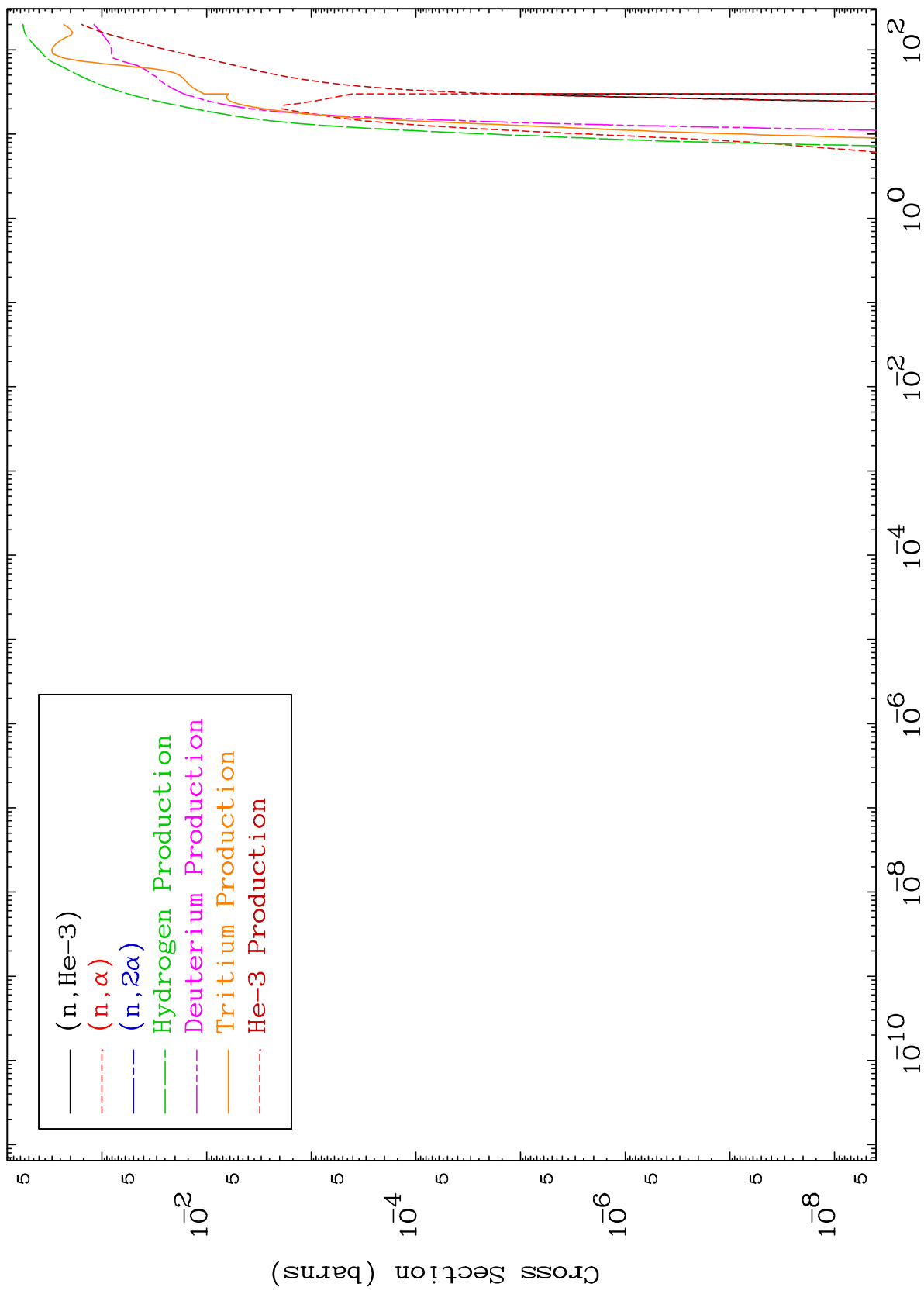
55-Cs-142



MAT 5552

Neutron Absorption
293 Kelvin Cross Sections

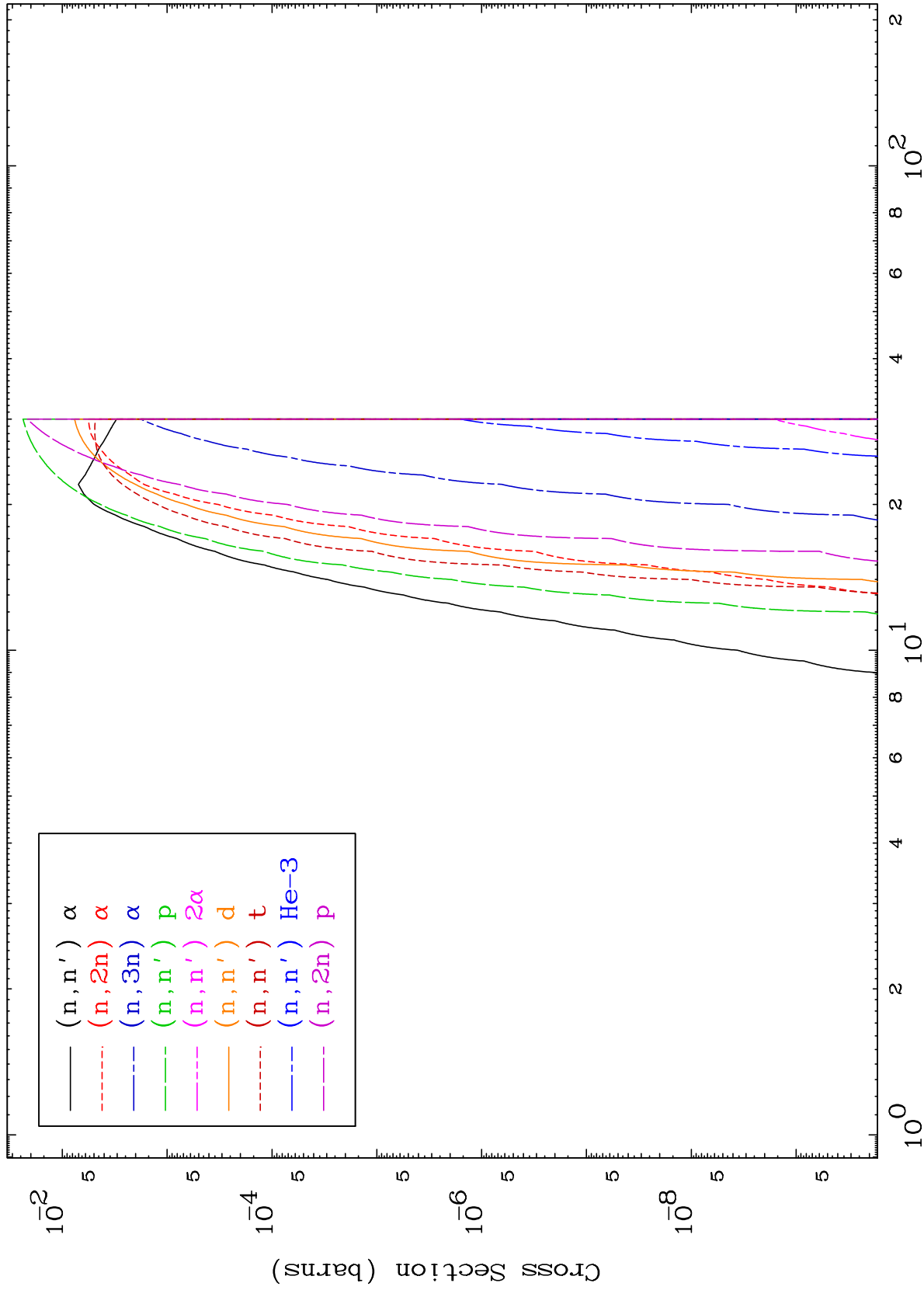
55-Cs-142

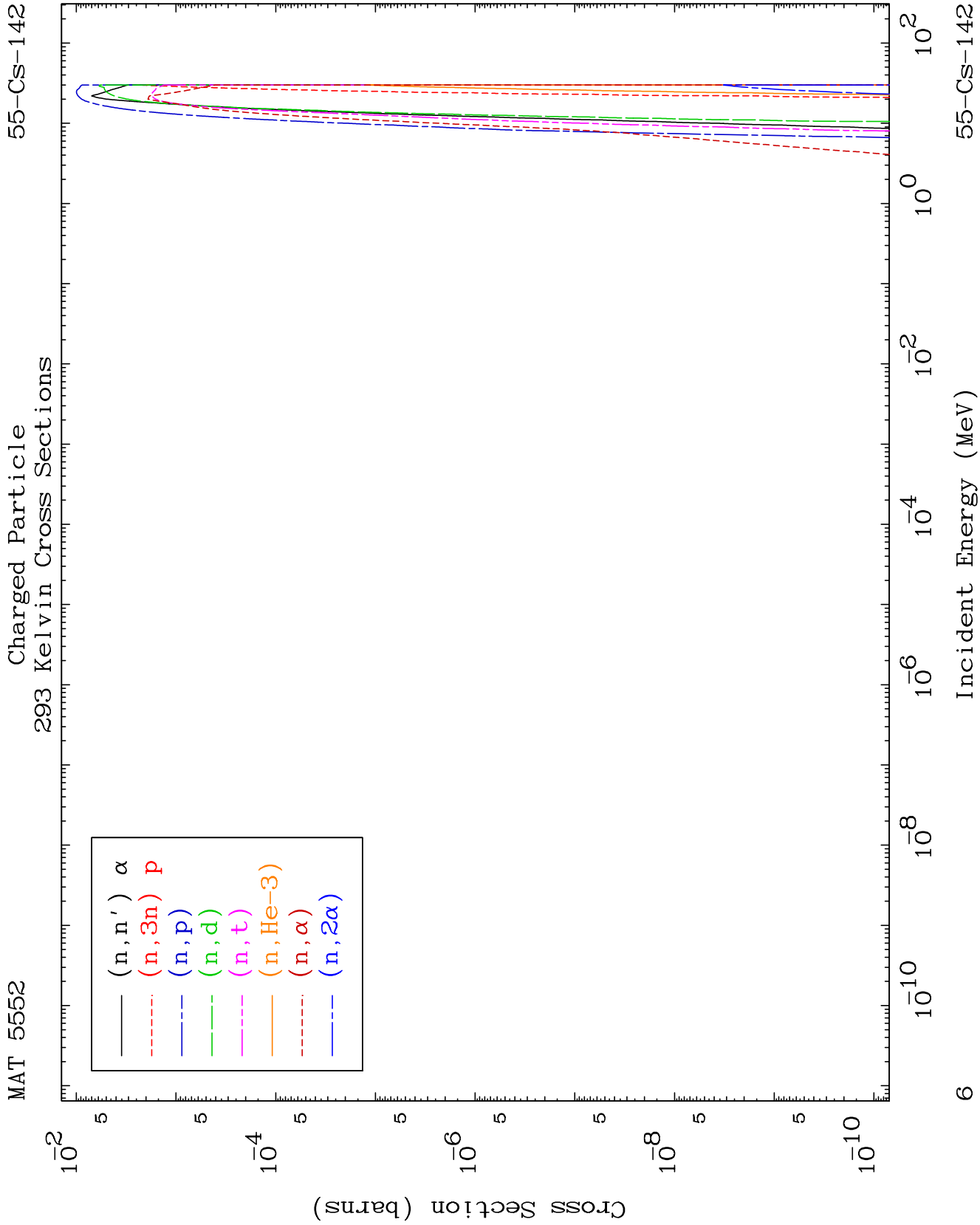


MAT 5552

293 Kelvin Cross Sections

55-Cs-142

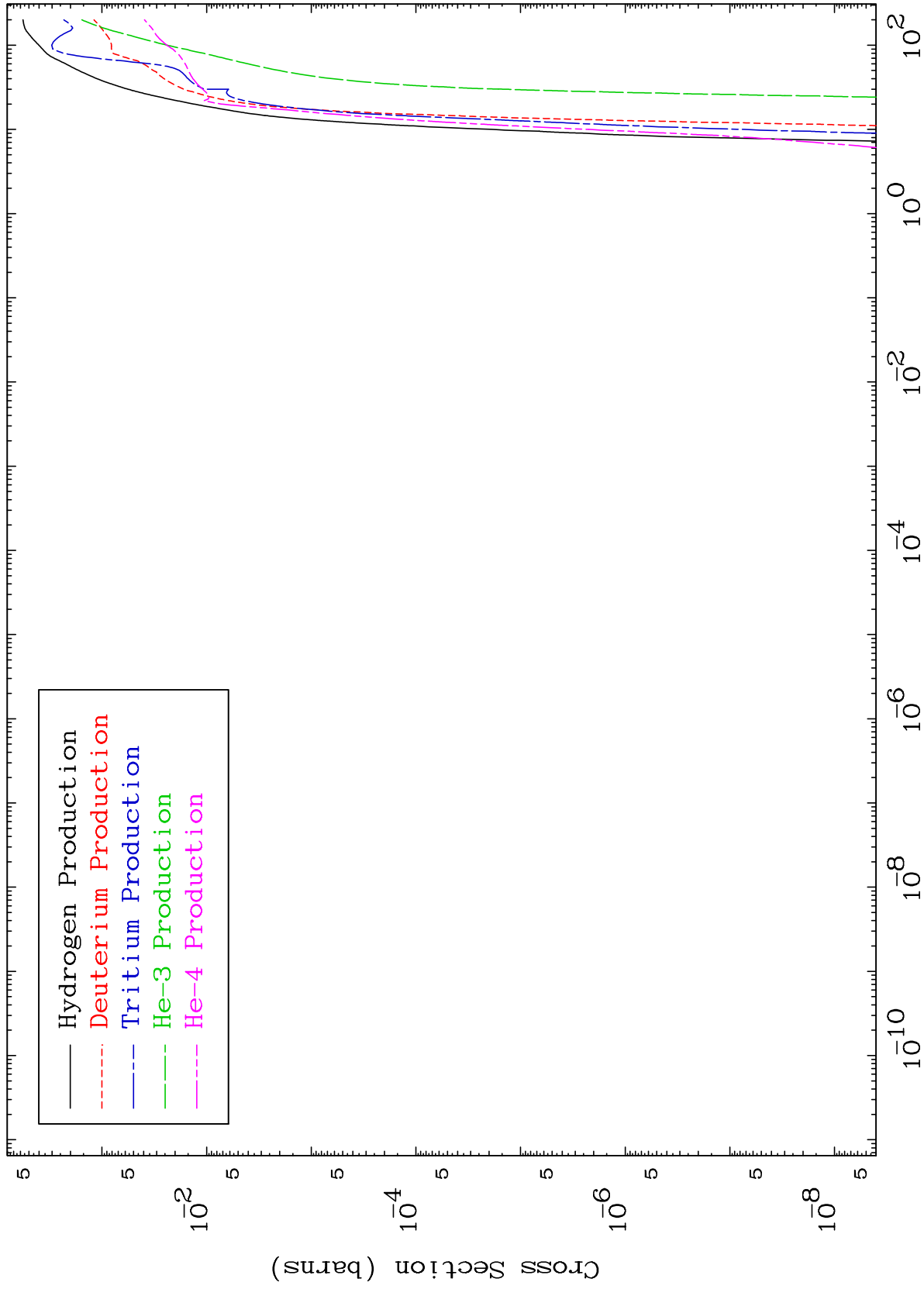




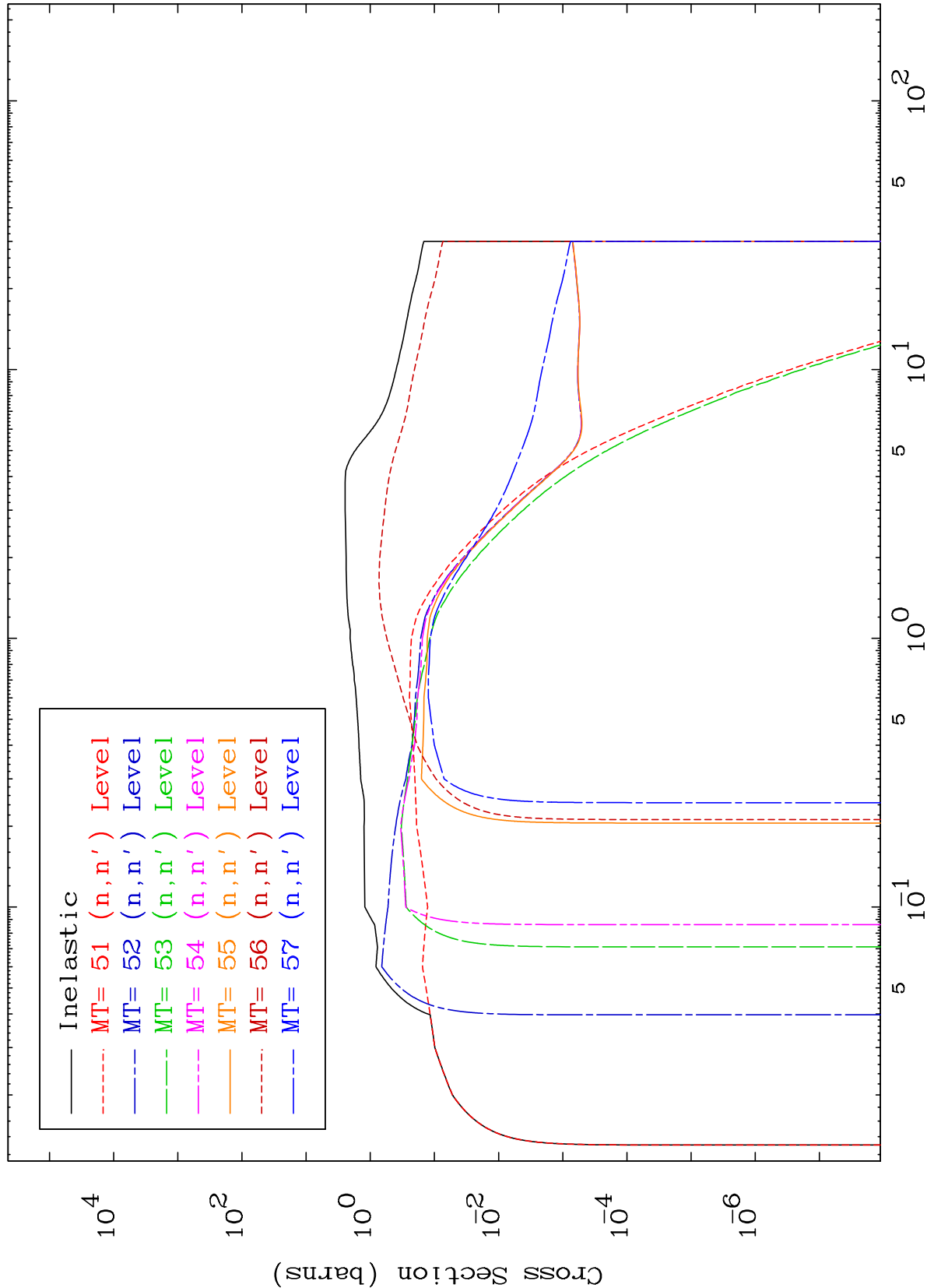
MAT 5552

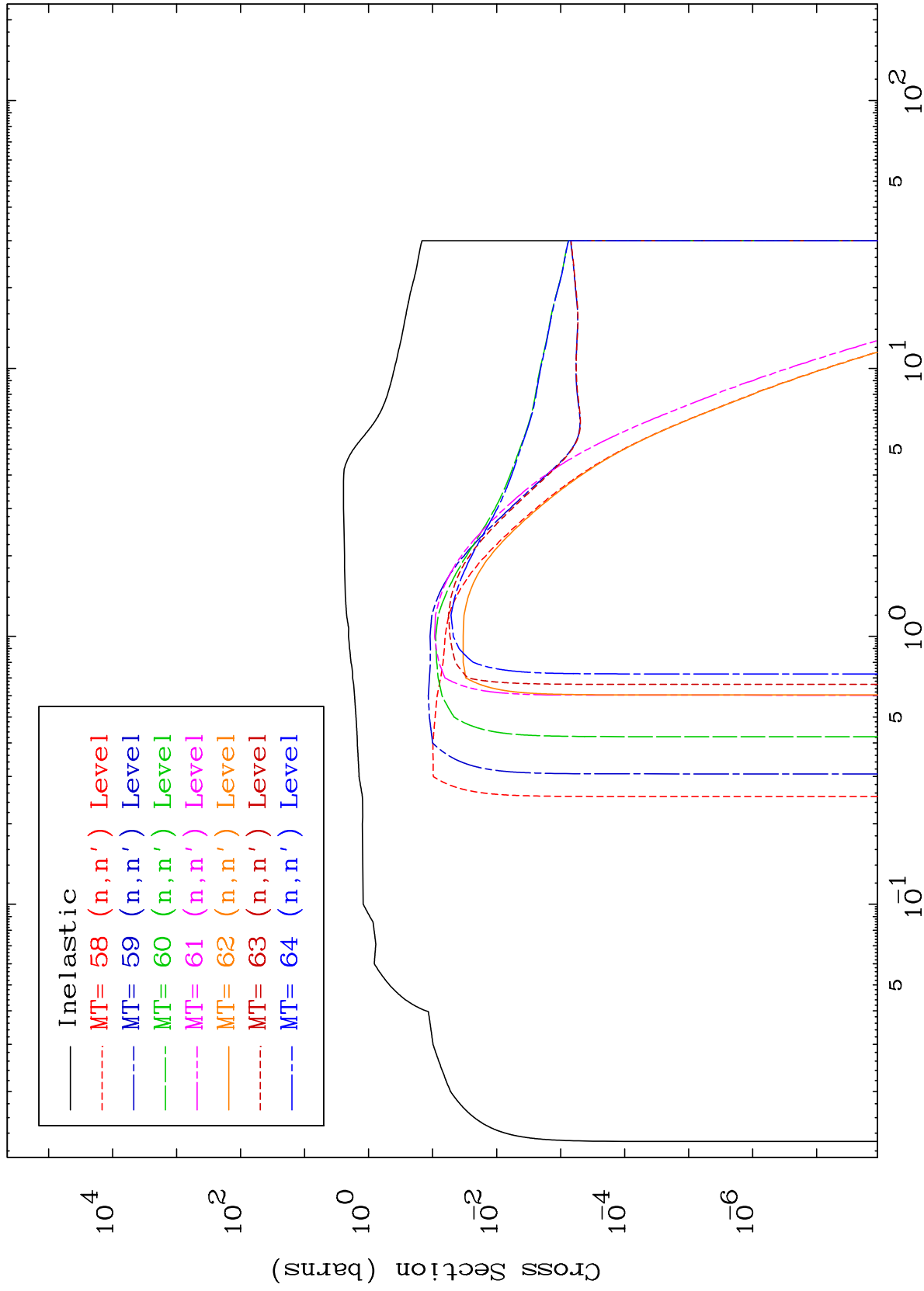
Particle Production
293 Kelvin Cross Sections

55-Cs-142



(n,n') Levels
293 Kelvin Cross Sections

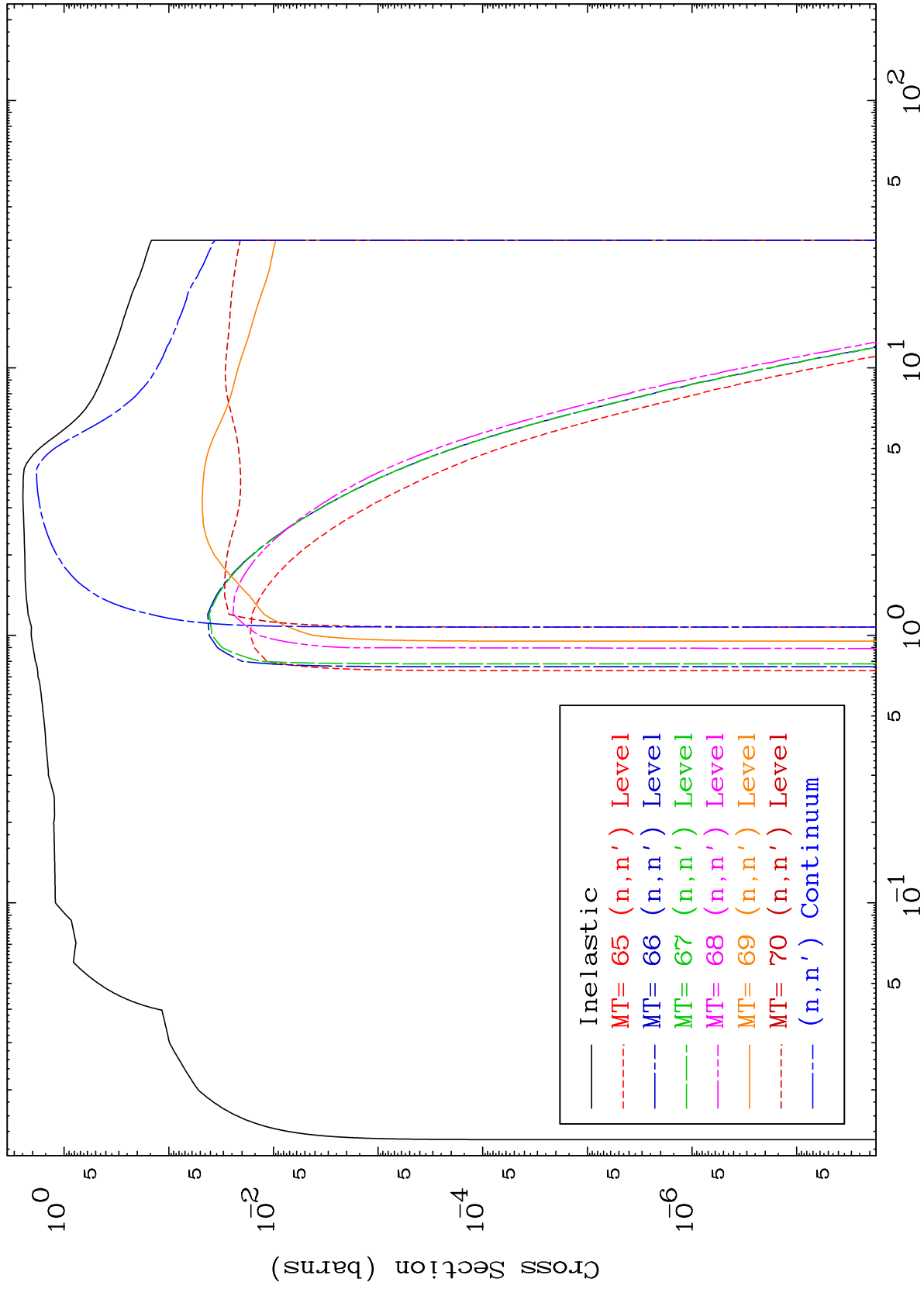




MAT 5552

(n,n') Levels
293 Kelvin Cross Sections

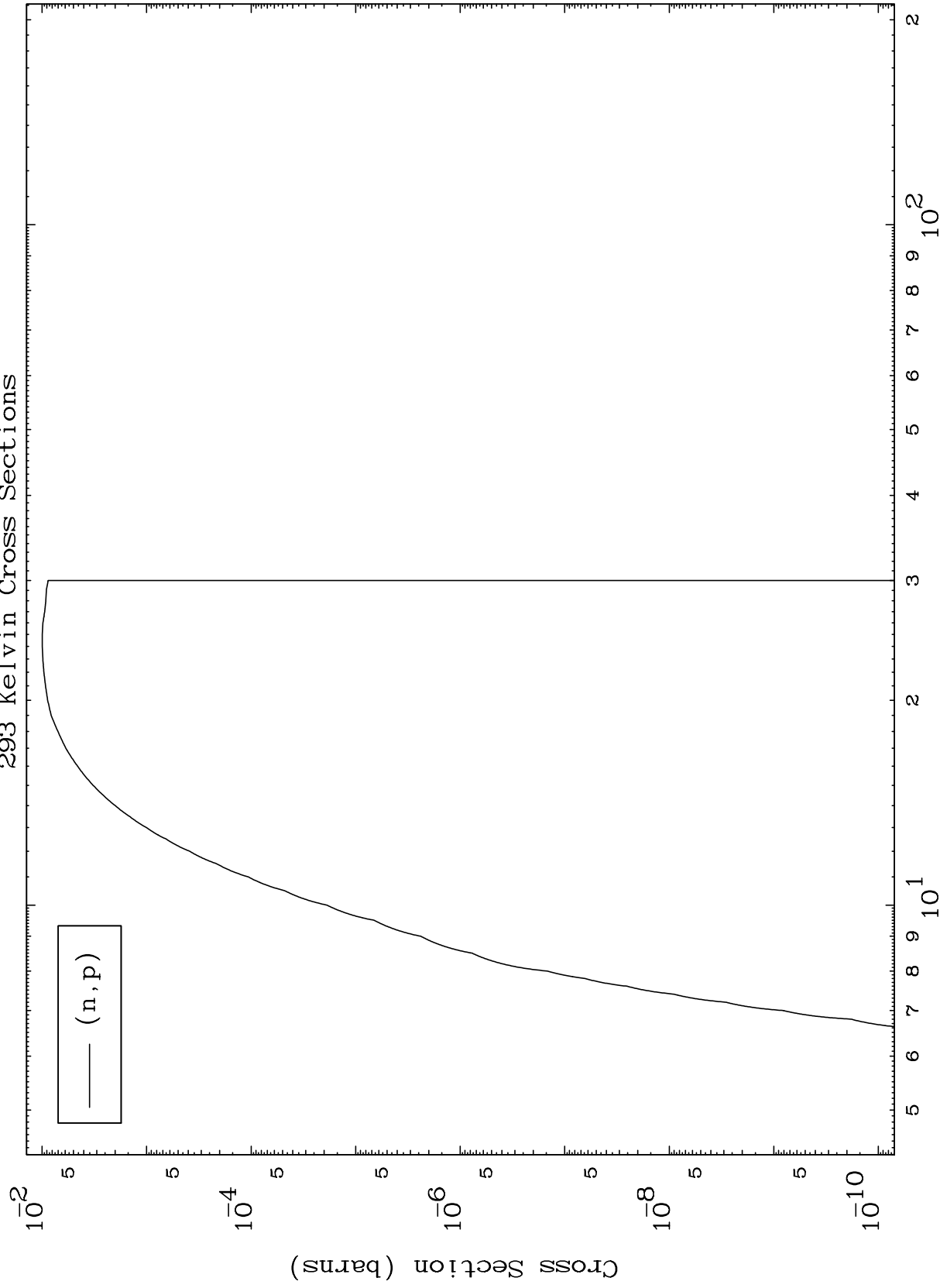
55-Cs-142



MAT 5552

55-Cs-142

(n,p) Levels
293 Kelvin Cross Sections



11

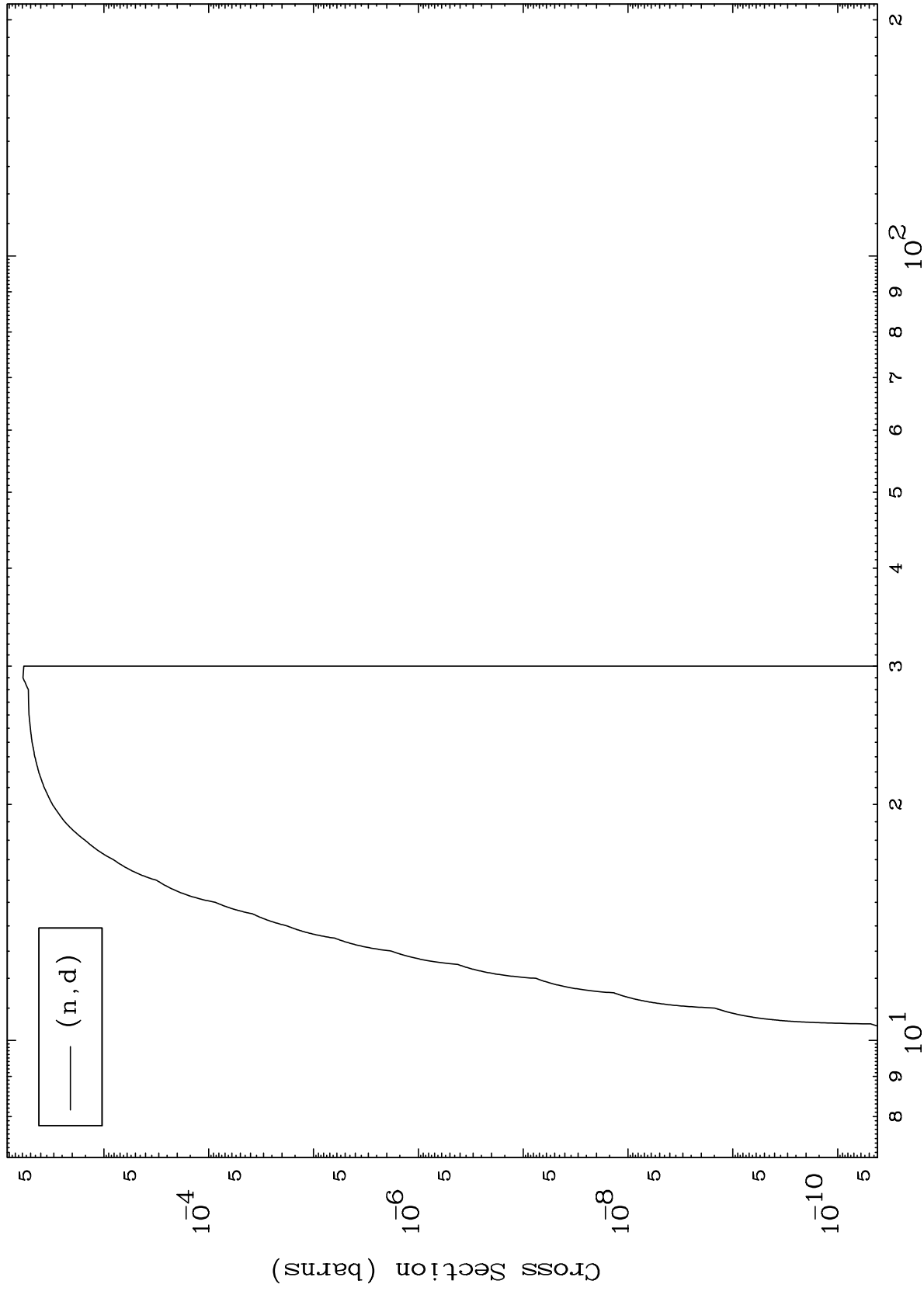
Incident Energy (MeV)

55-Cs-142

MAT 5552

55-Cs-142

(n,d) Levels
293 Kelvin Cross Sections



12

Incident Energy (MeV)

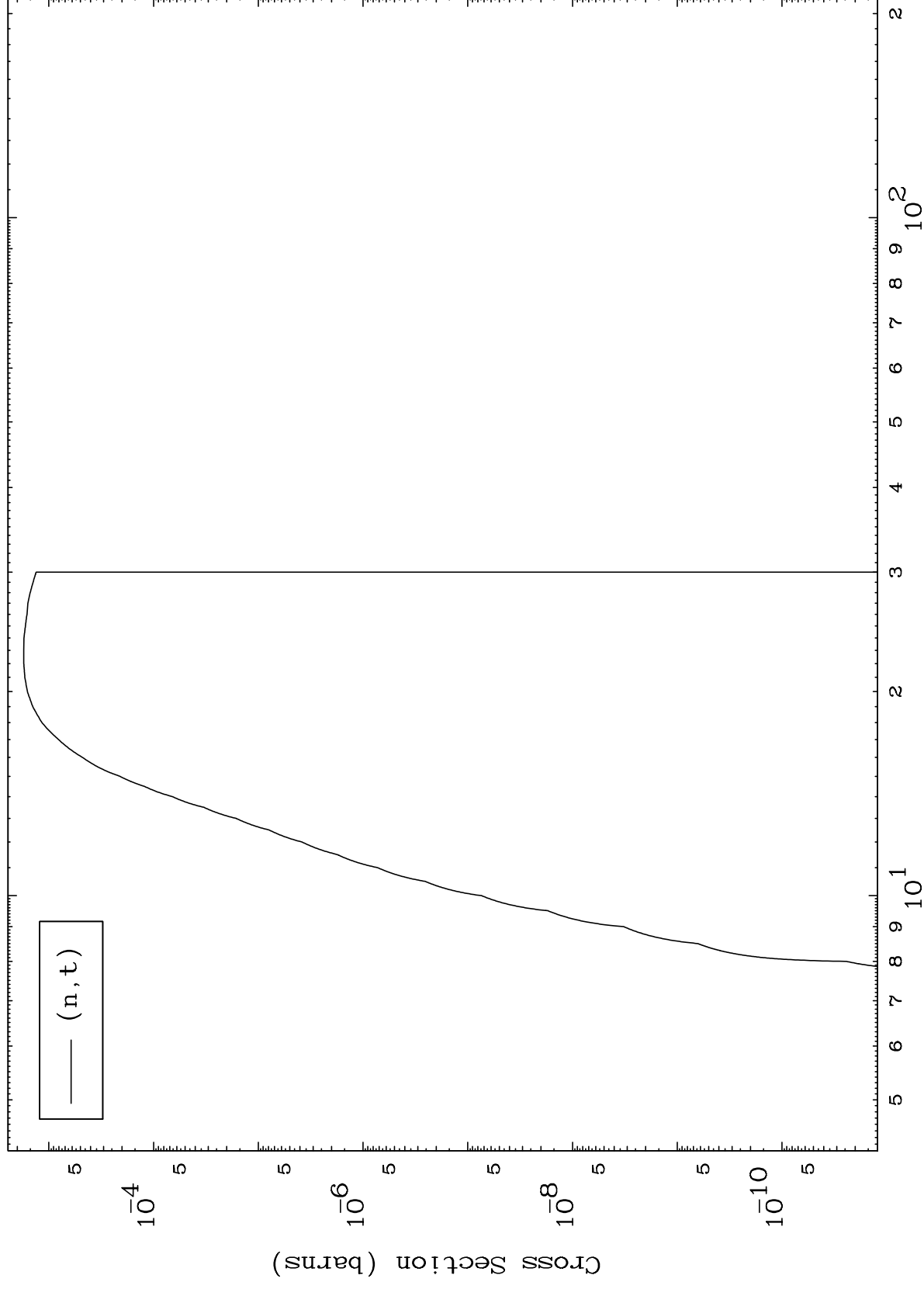
55-Cs-142

MAT 5552

(n, t) Levels

(n, t) Levels
293 Kelvin Cross Sections

55-CS-142



13

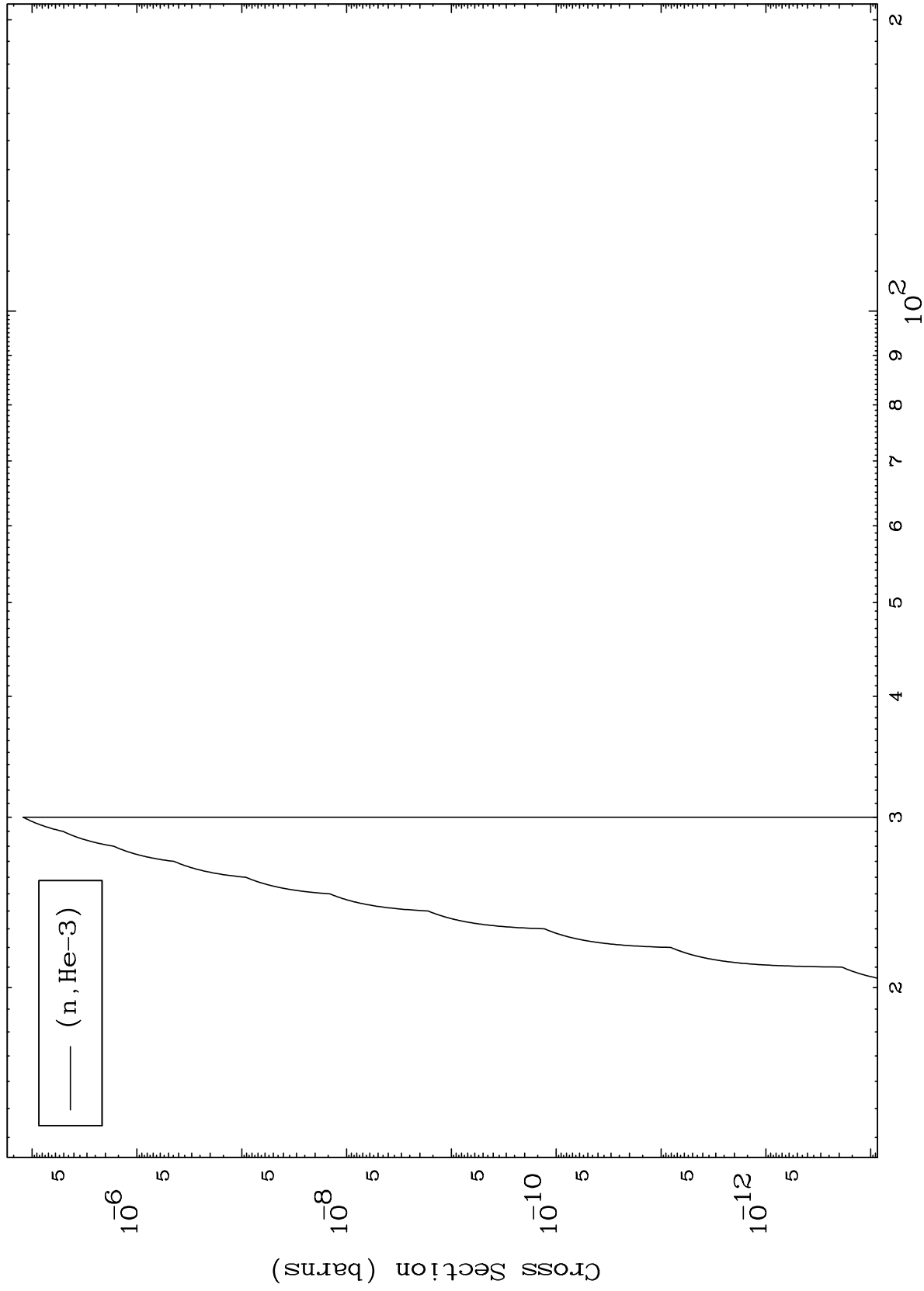
Incident Energy (MeV)

55-CS-142

MAT 5552

55-Cs-142

(n,He3) Levels
293 Kelvin Cross Sections



14

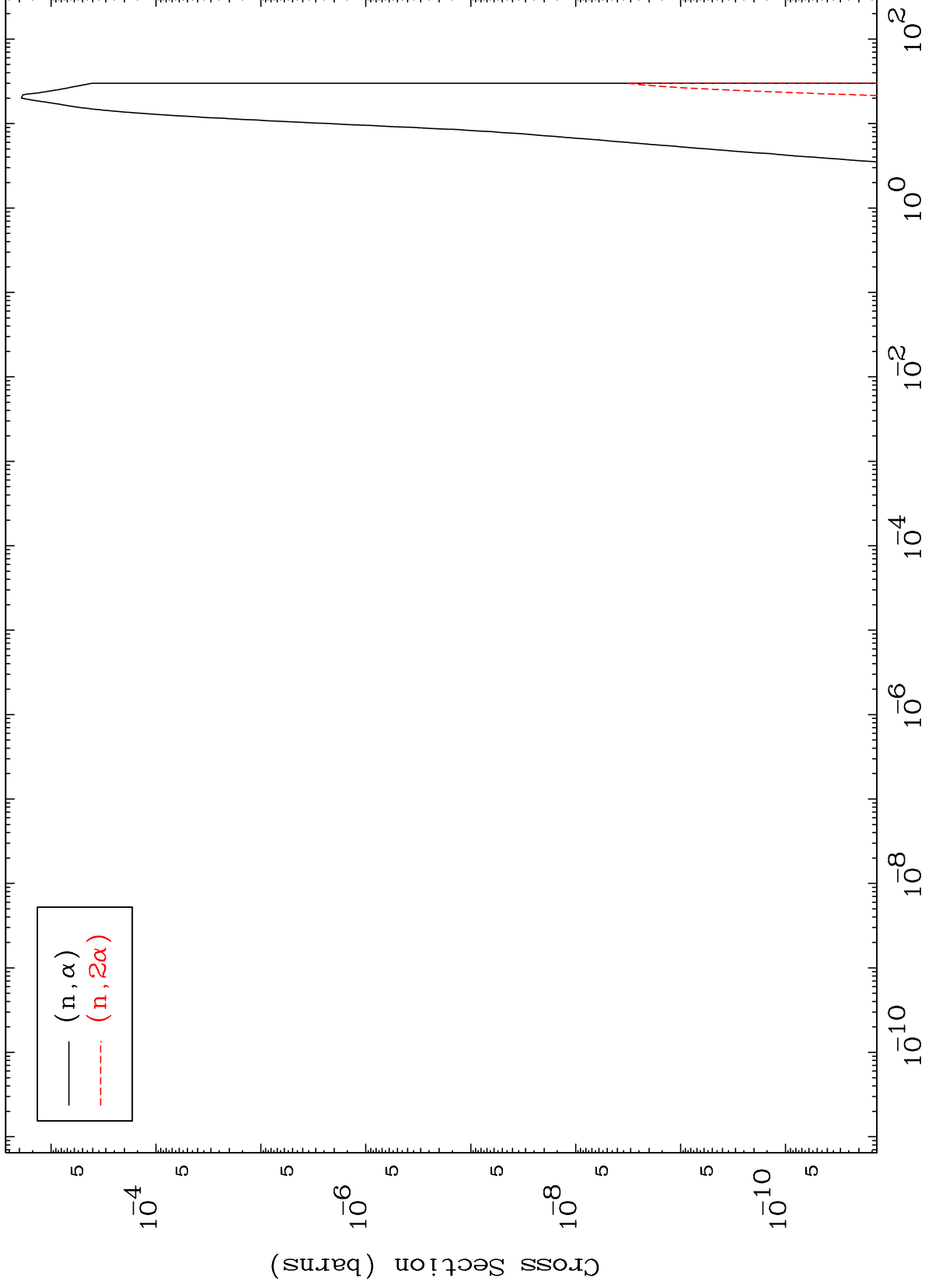
Incident Energy (MeV)

55-Cs-142

MAT 5552

(n, α) Levels
293 Kelvin Cross Sections

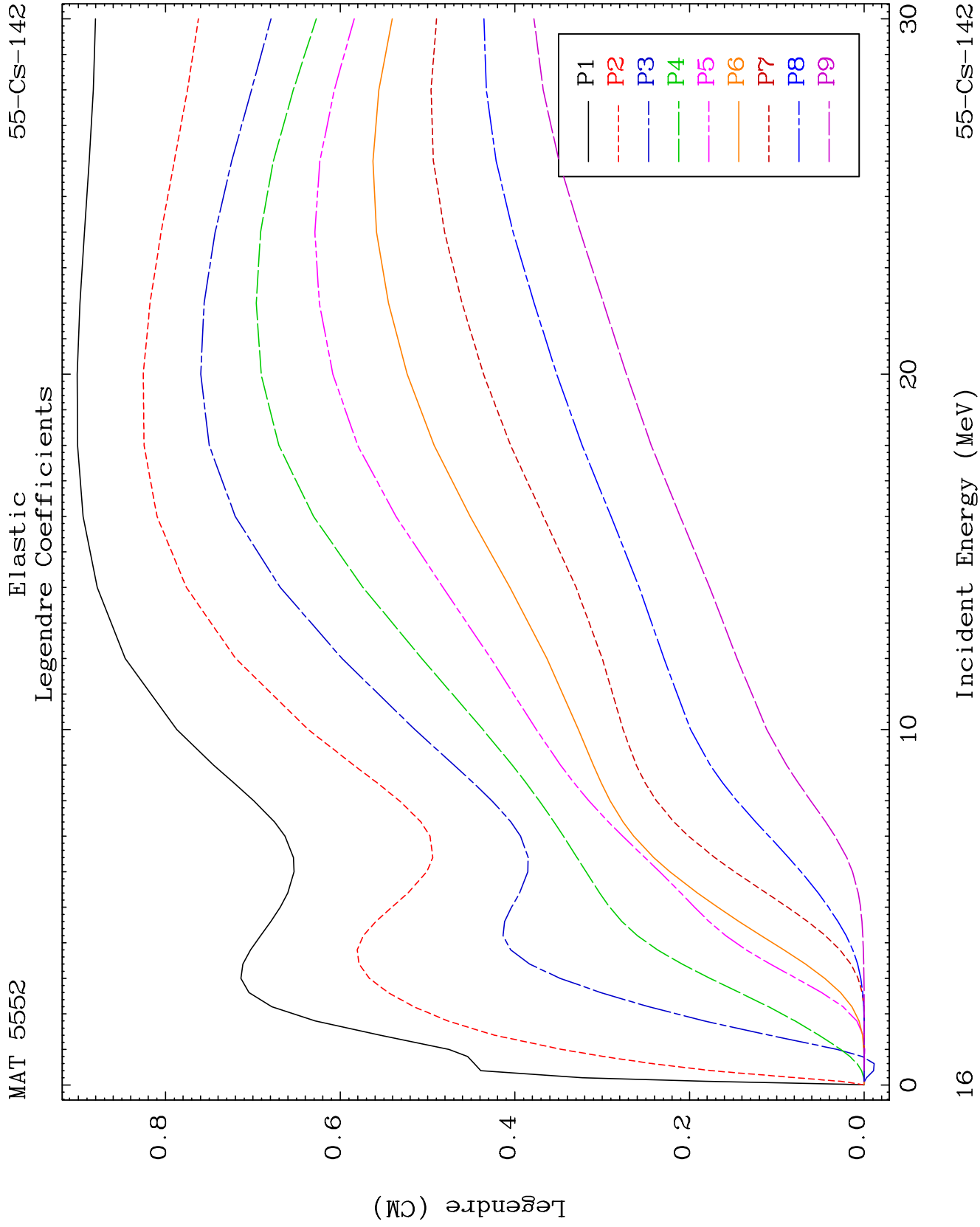
55-Cs-142

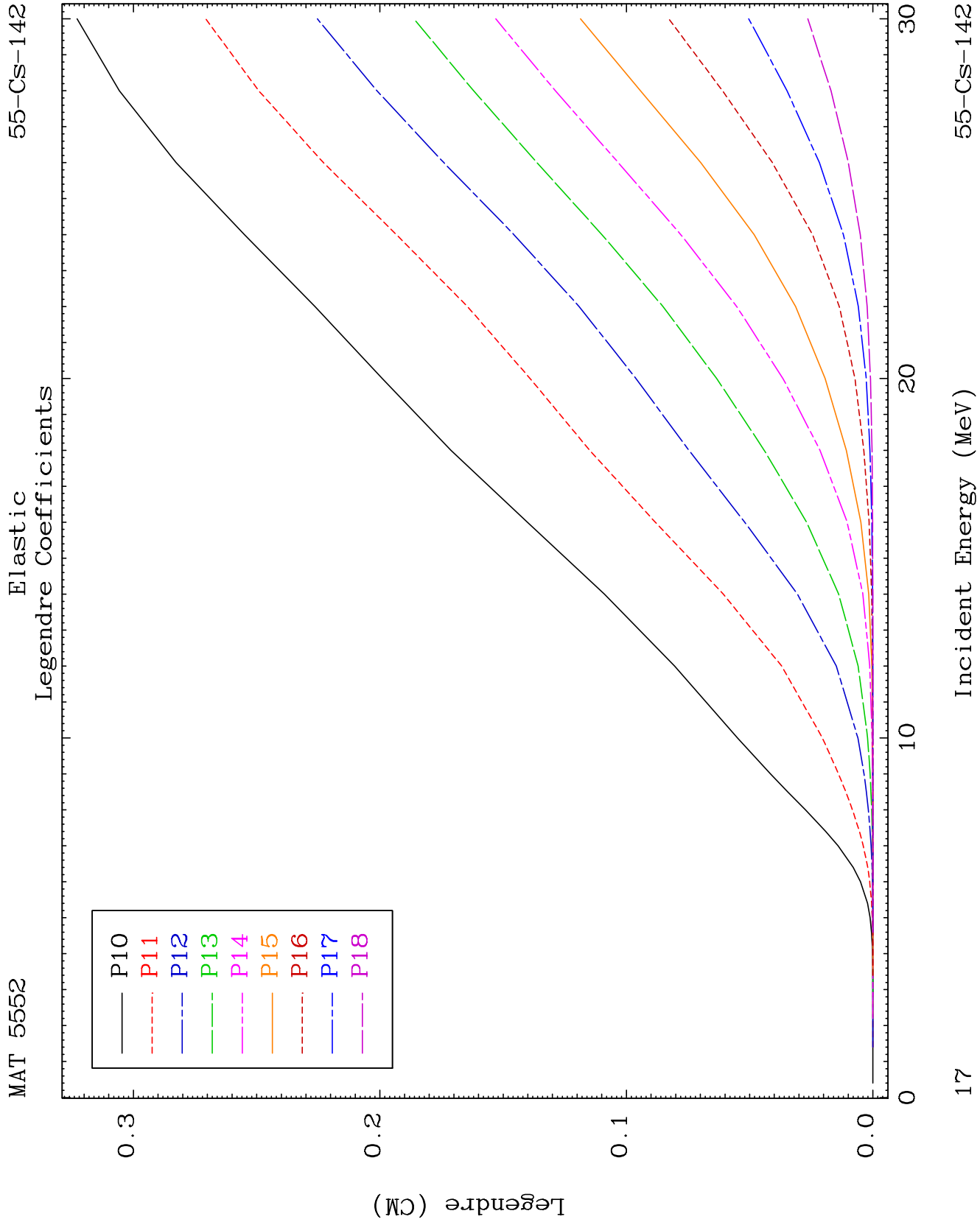


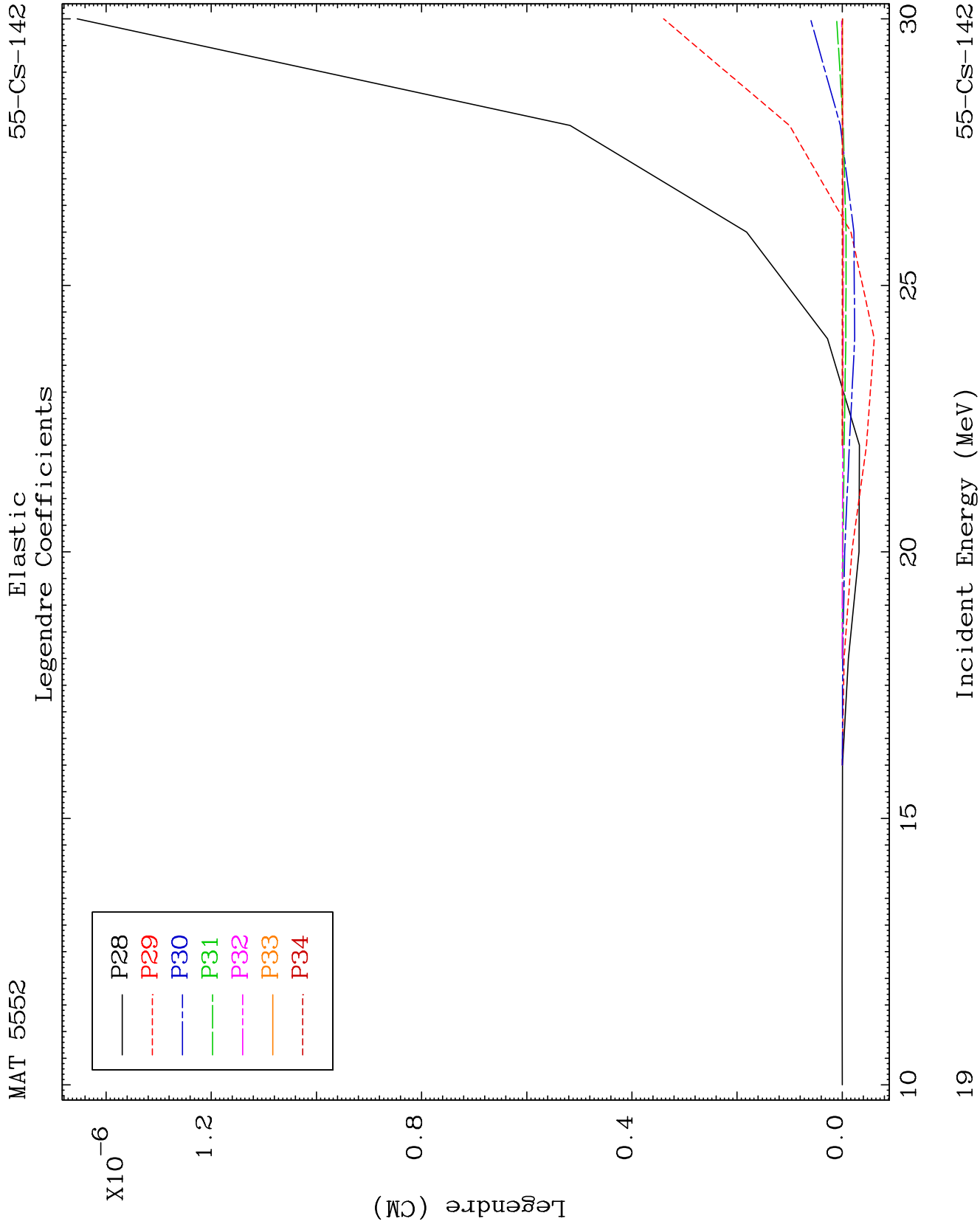
15

Incident Energy (MeV)

55-Cs-142



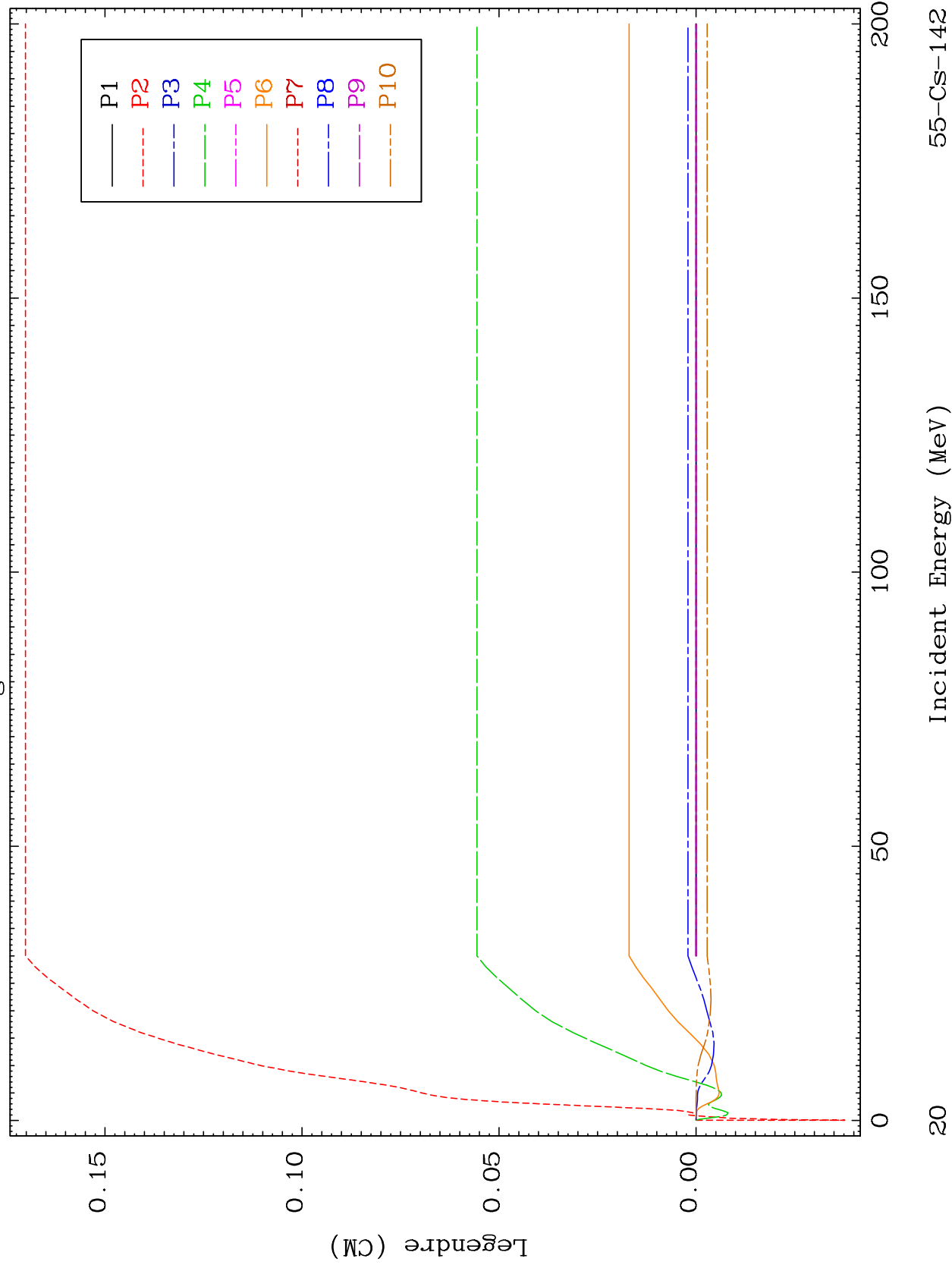


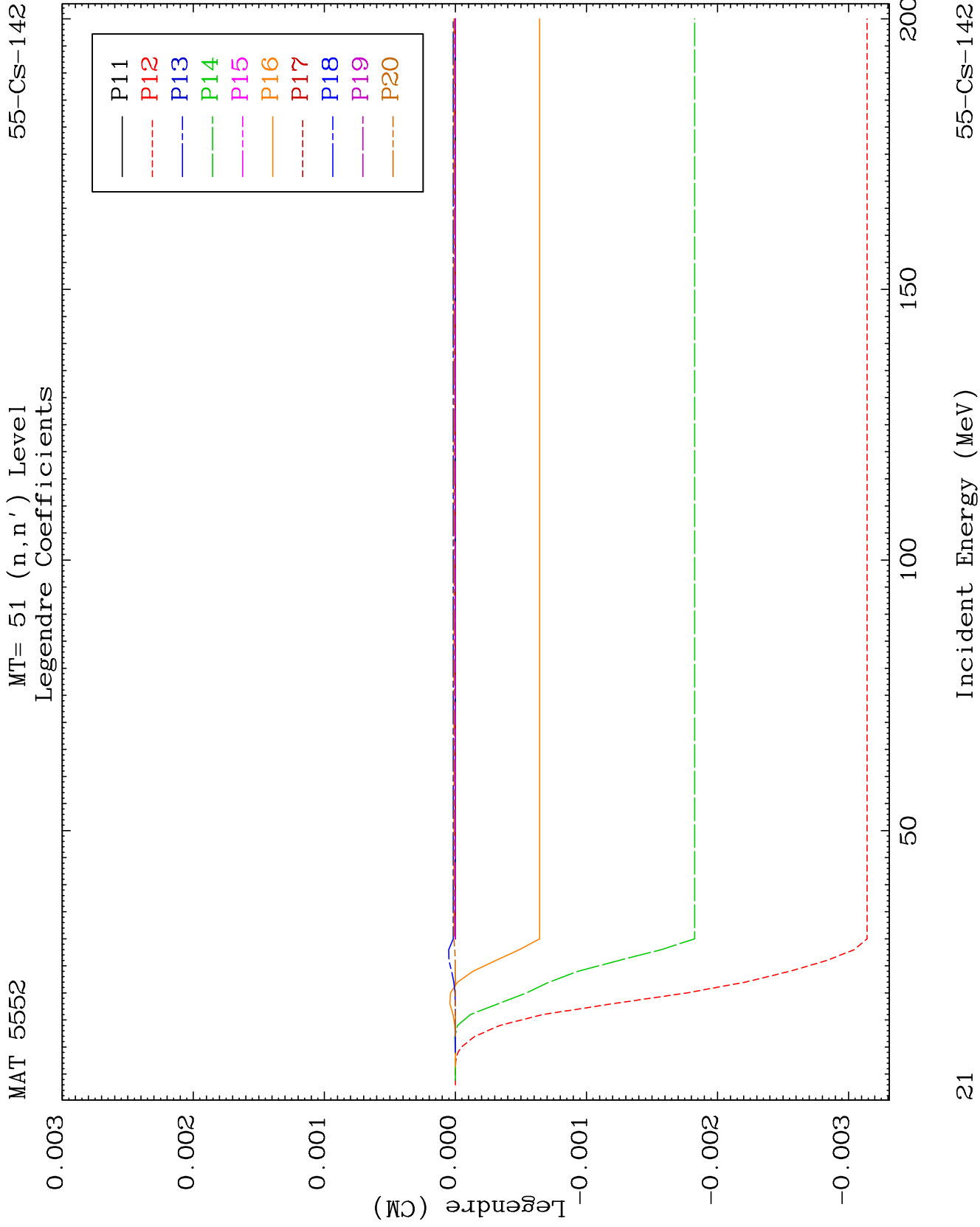


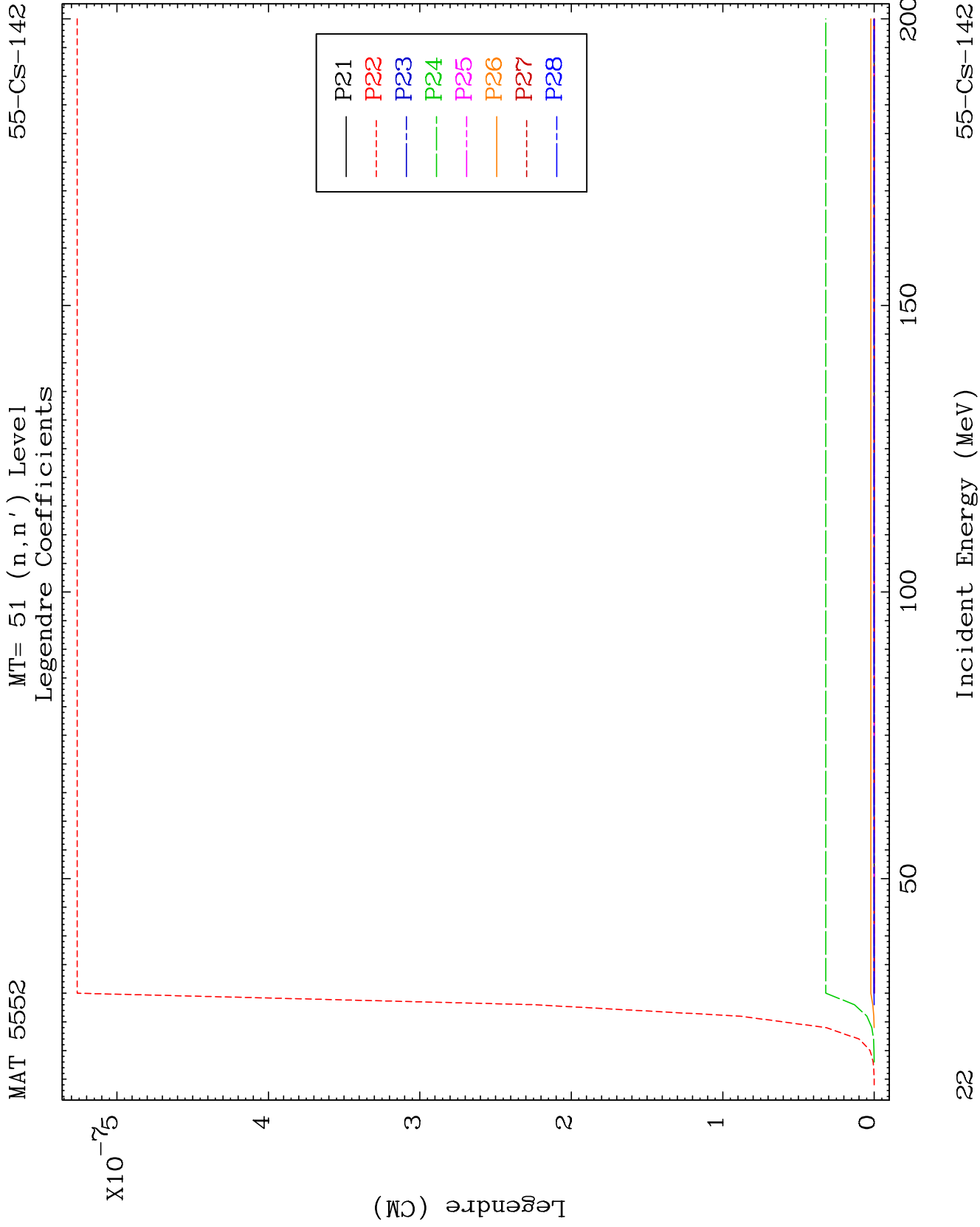
MAT 5552

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

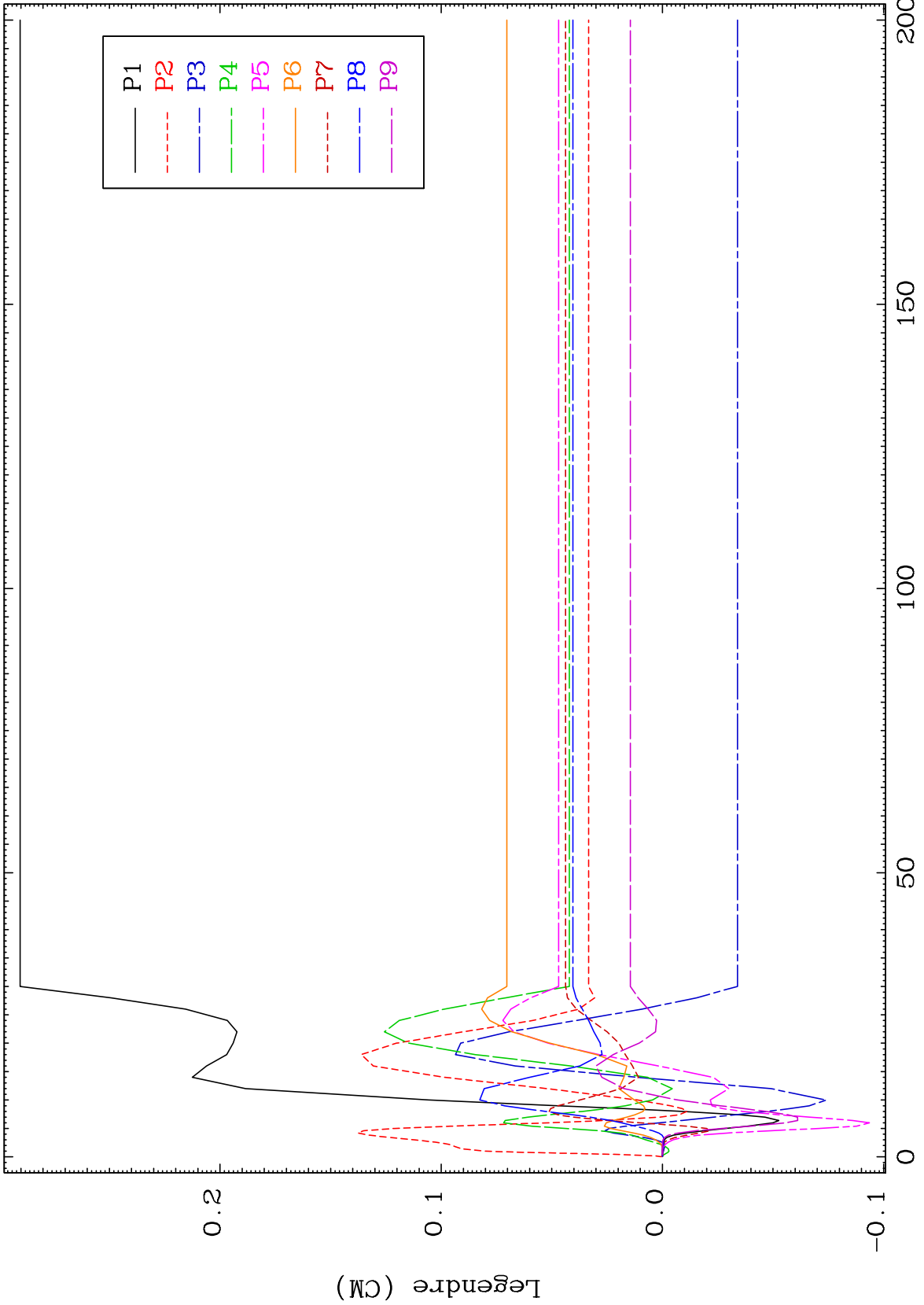
55-CS-142





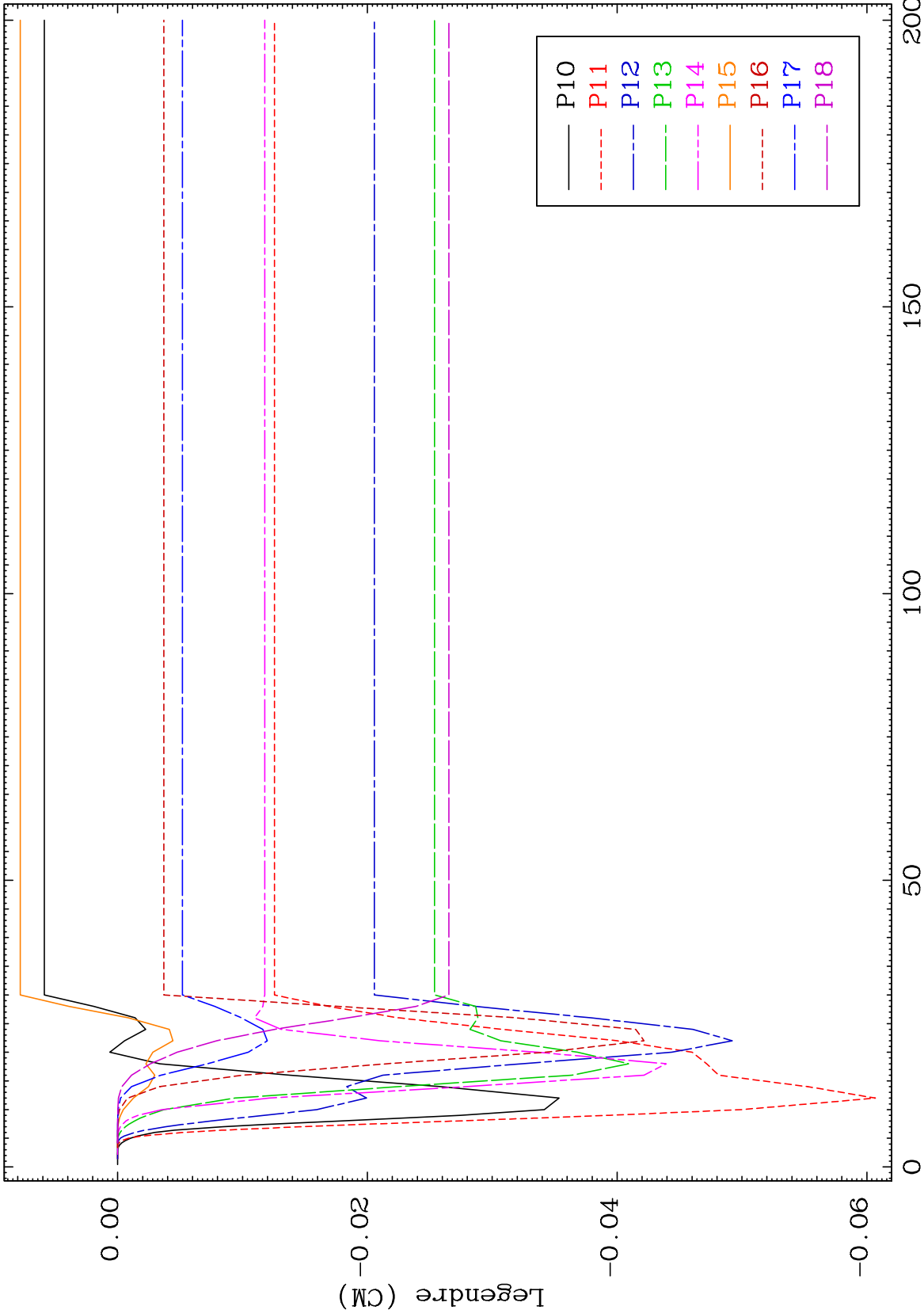


MAT 5552 MT= 52 (n,n') Level Legendre Coefficients 55-Cs-142



23 Incident Energy (MeV) 55-Cs-142

MAT 5552 MT= 52 (n,n') Level Legendre Coefficients 55-Cs-142

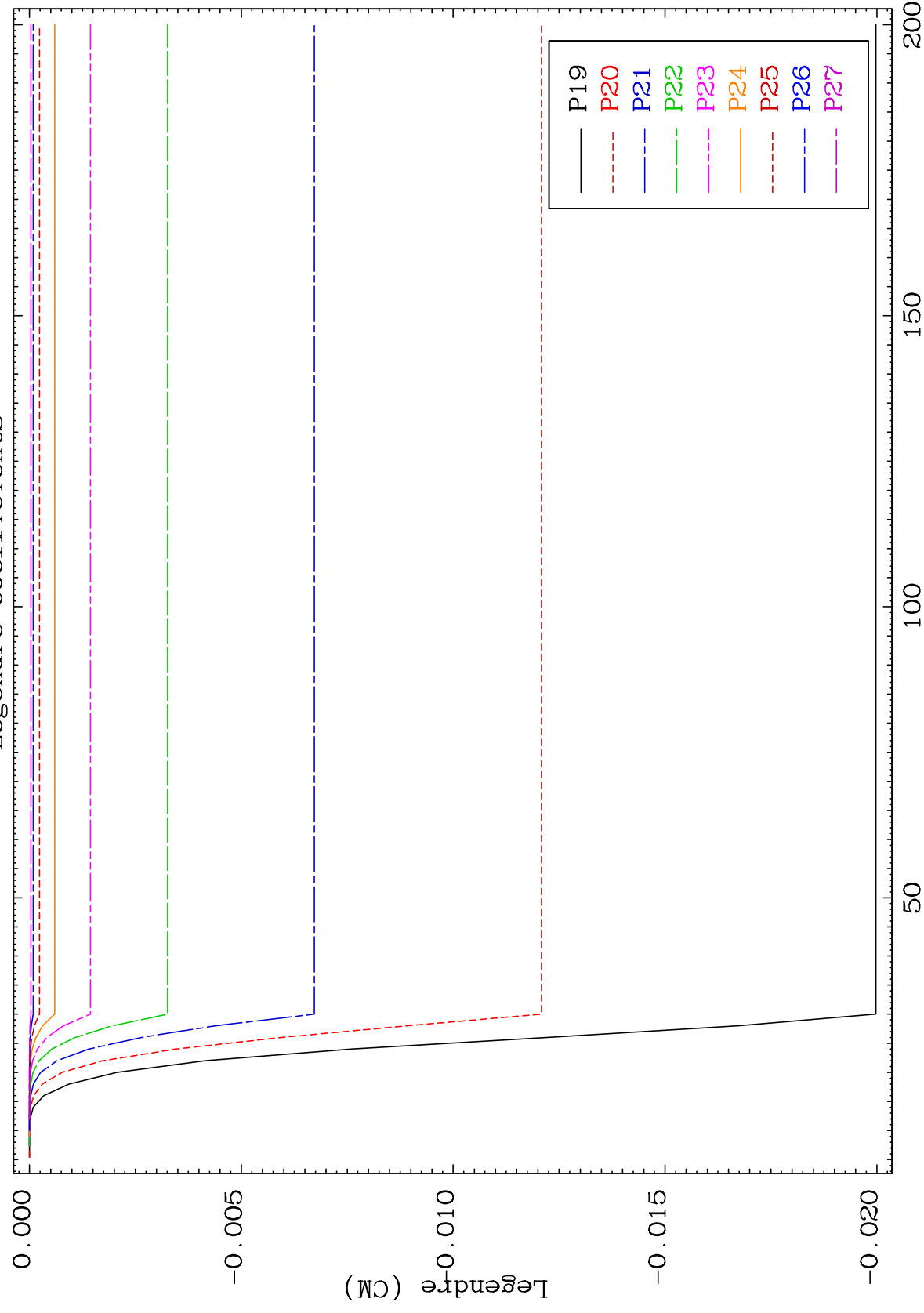


24 55-Cs-142

MAT 5552

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

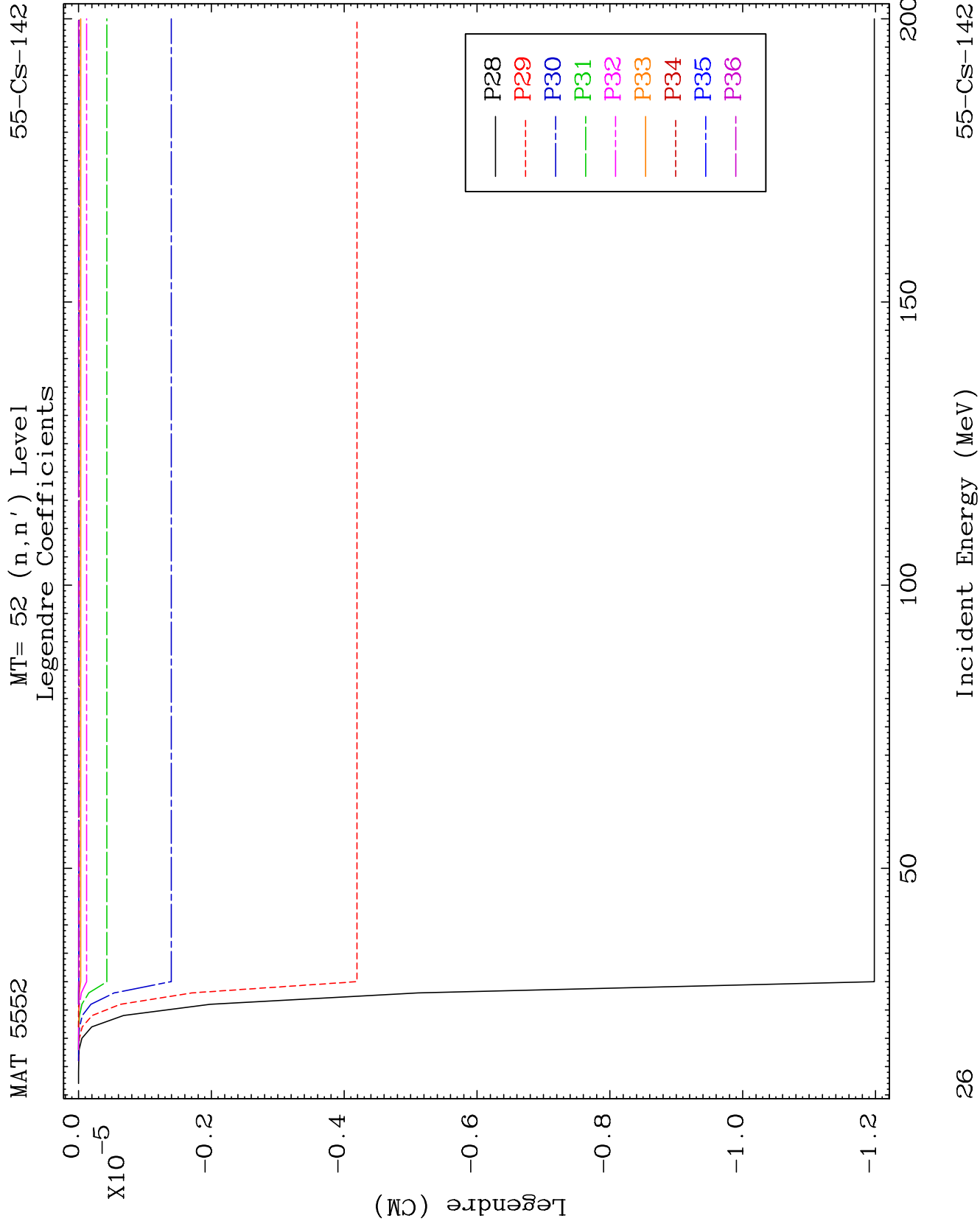
55-CS-142

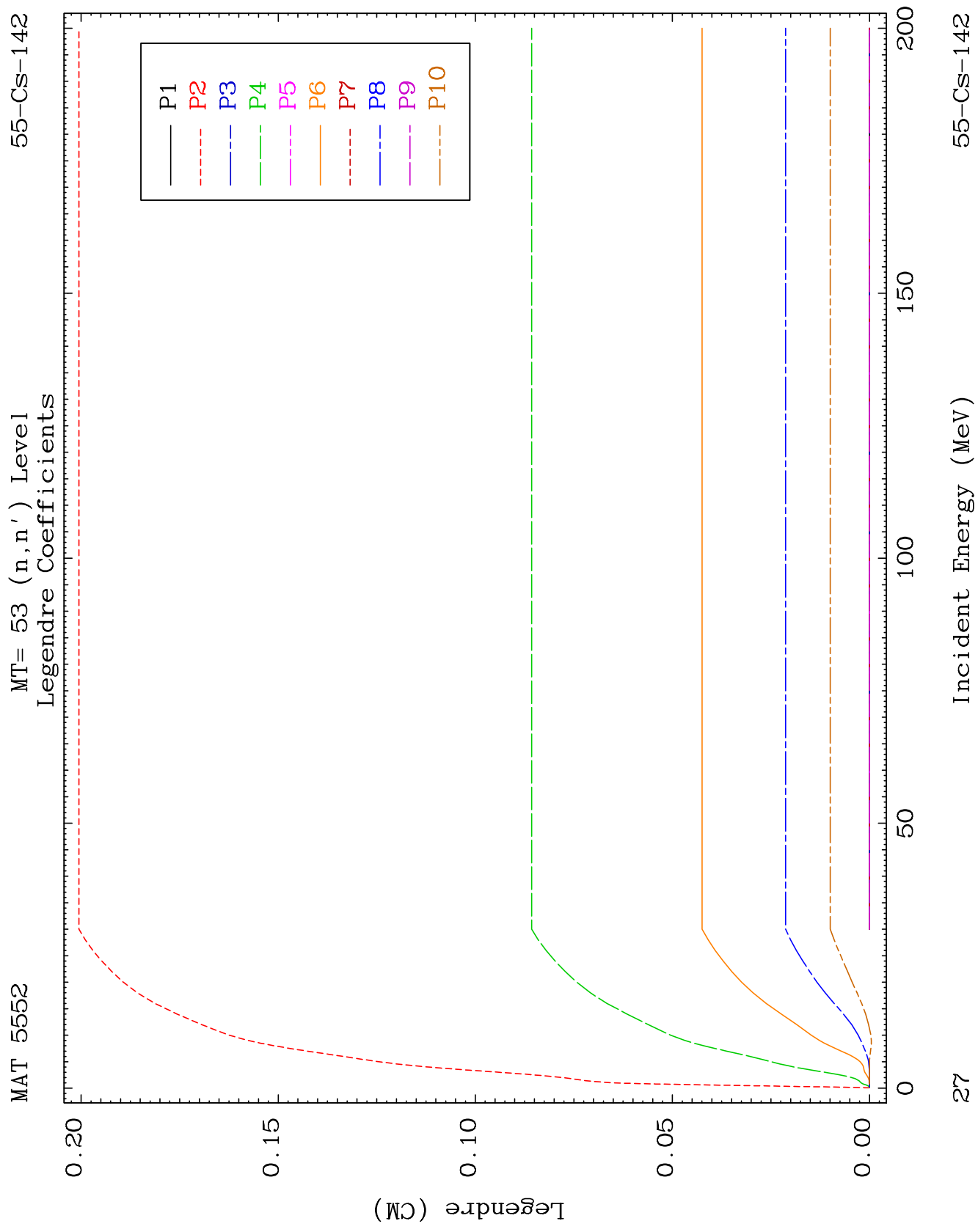


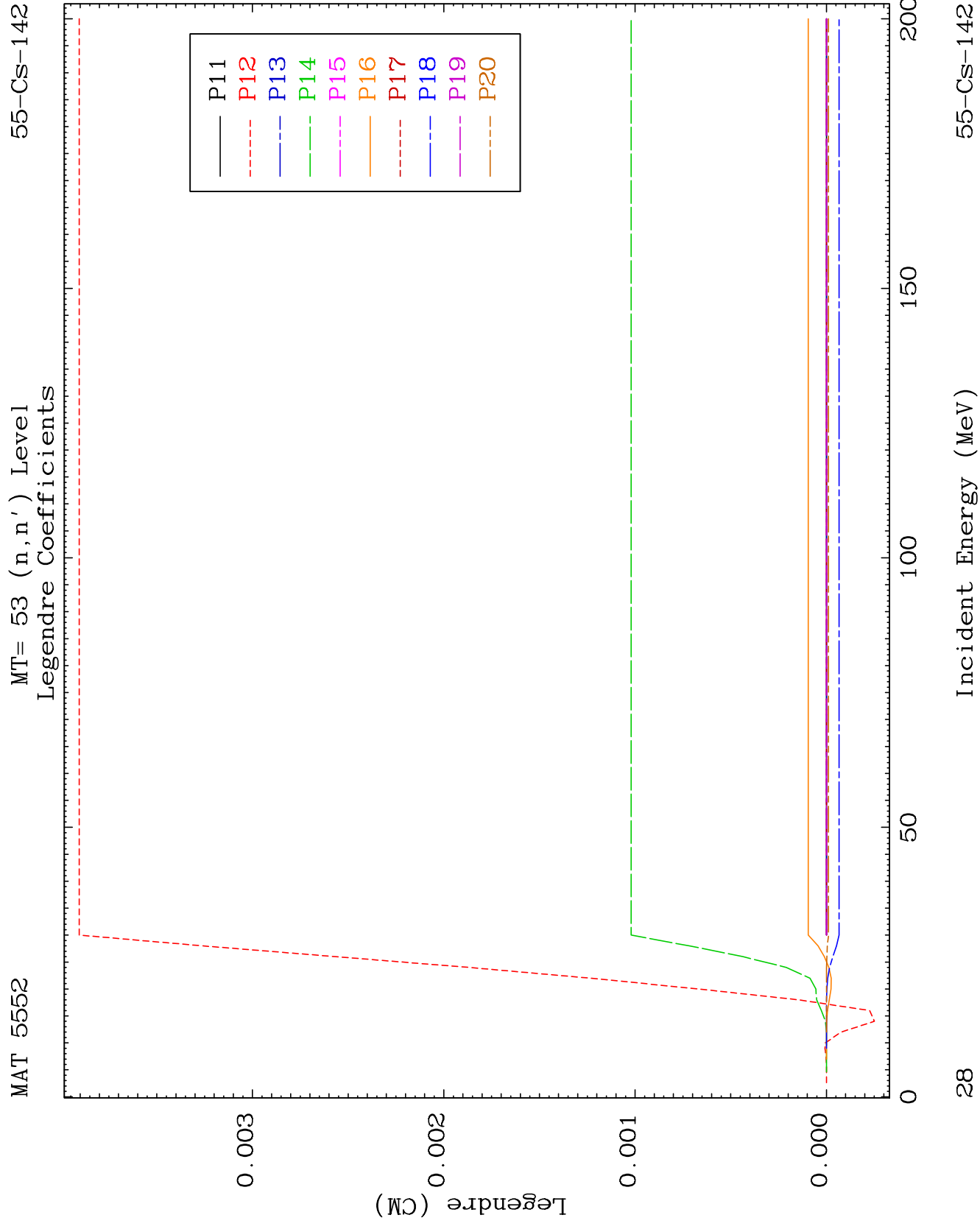
25

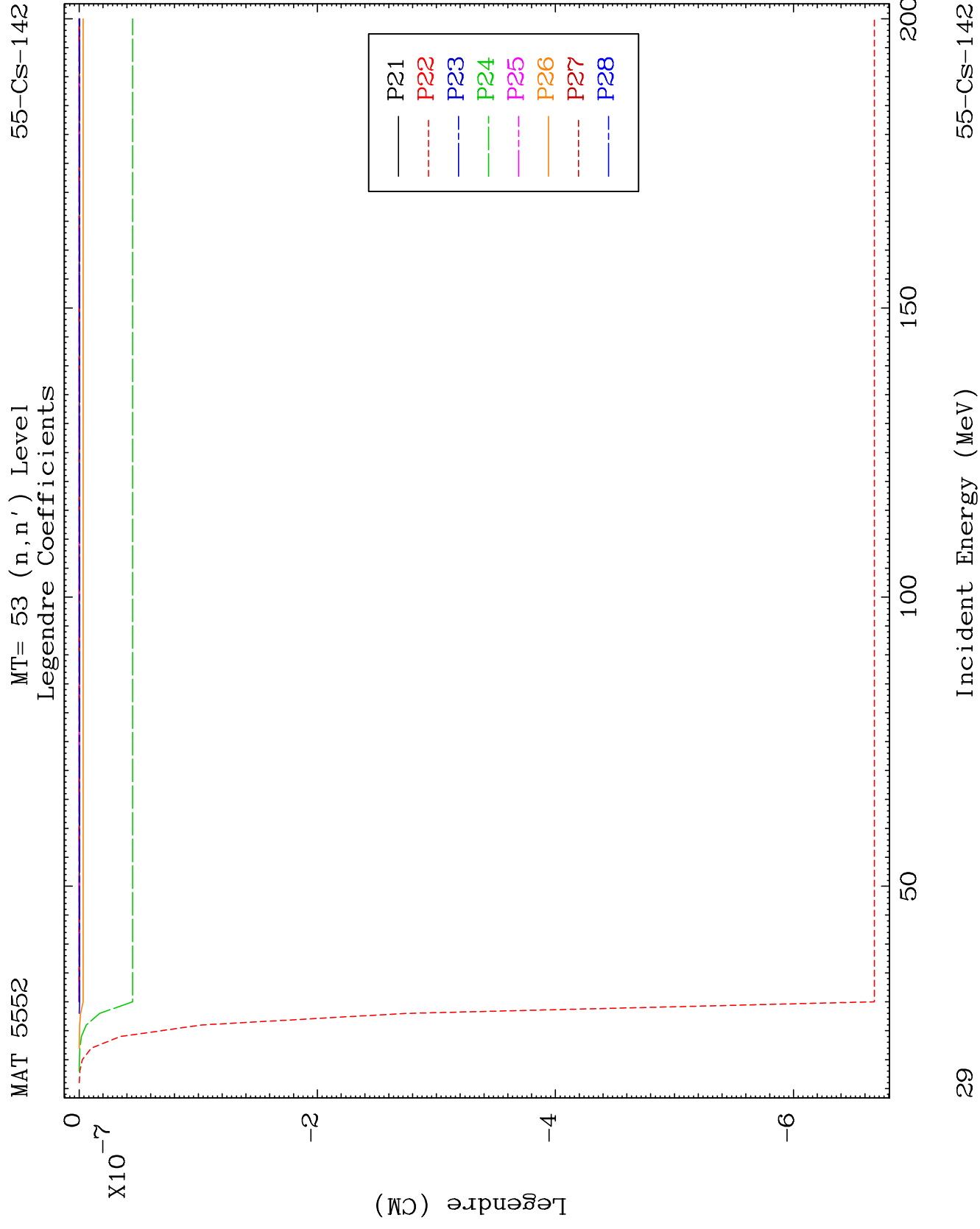
Incident Energy (MeV)

55-CS-142

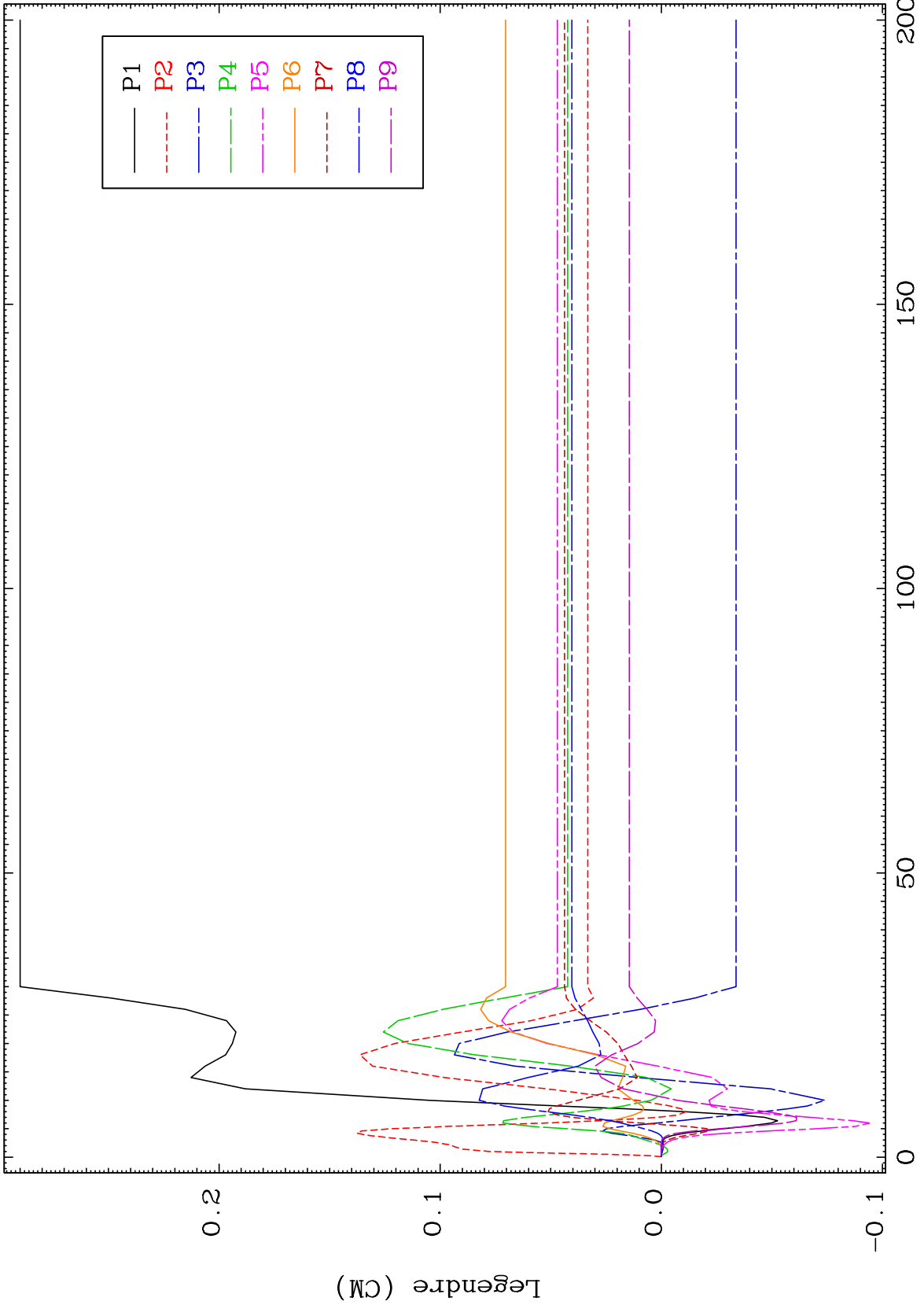




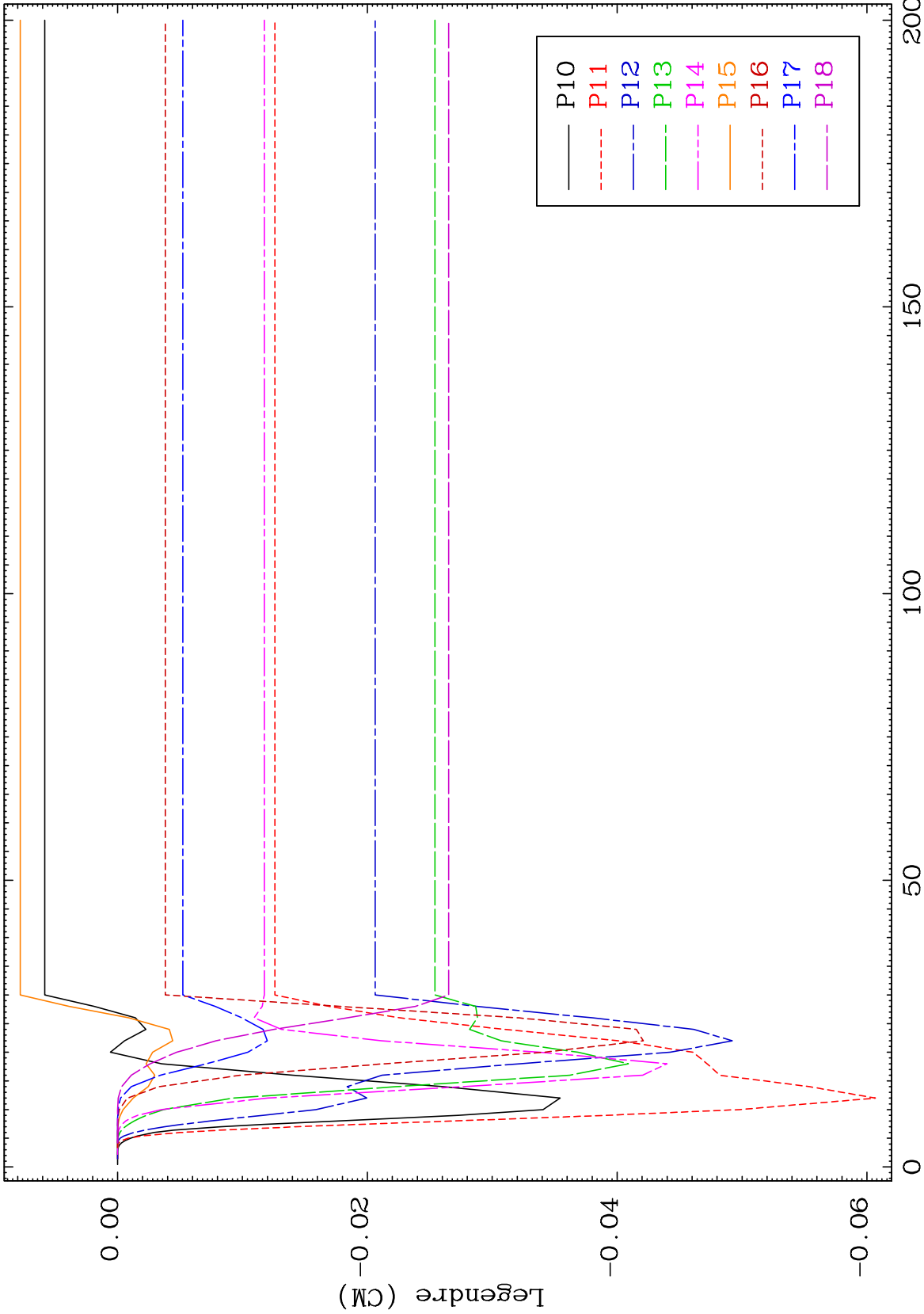


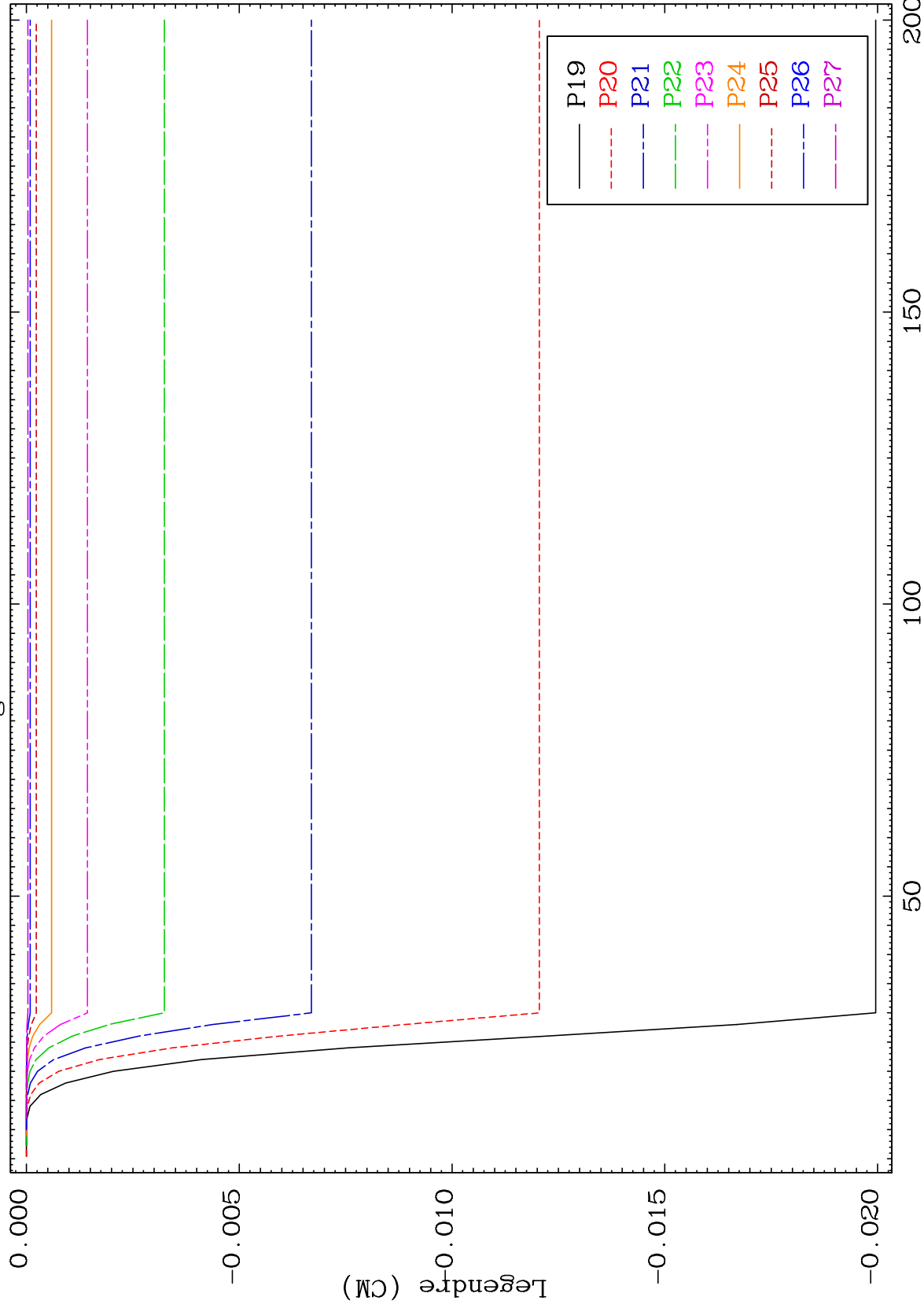


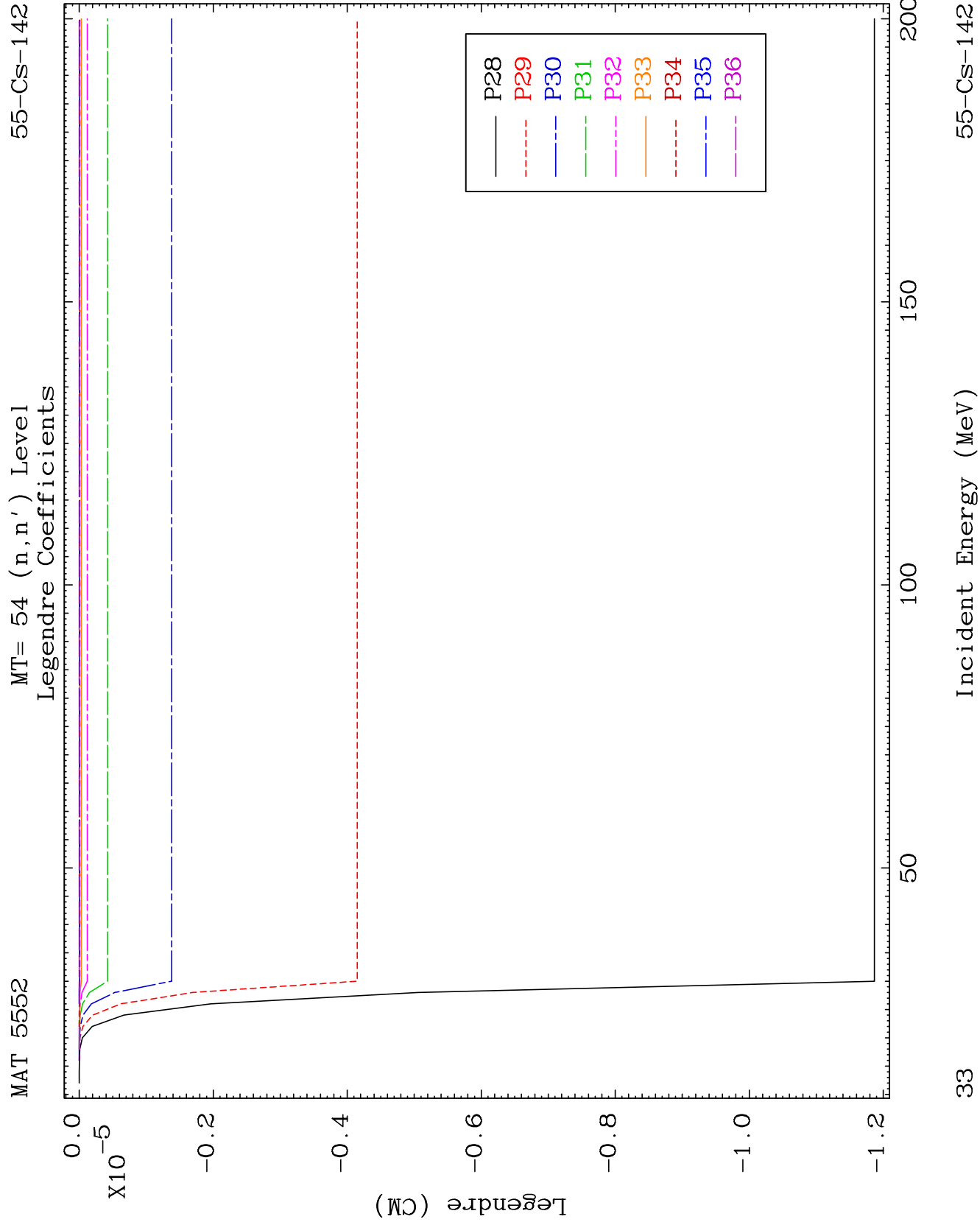
MAT 5552 MT= 54 (n,n') Level Legendre Coefficients 55-Cs-142



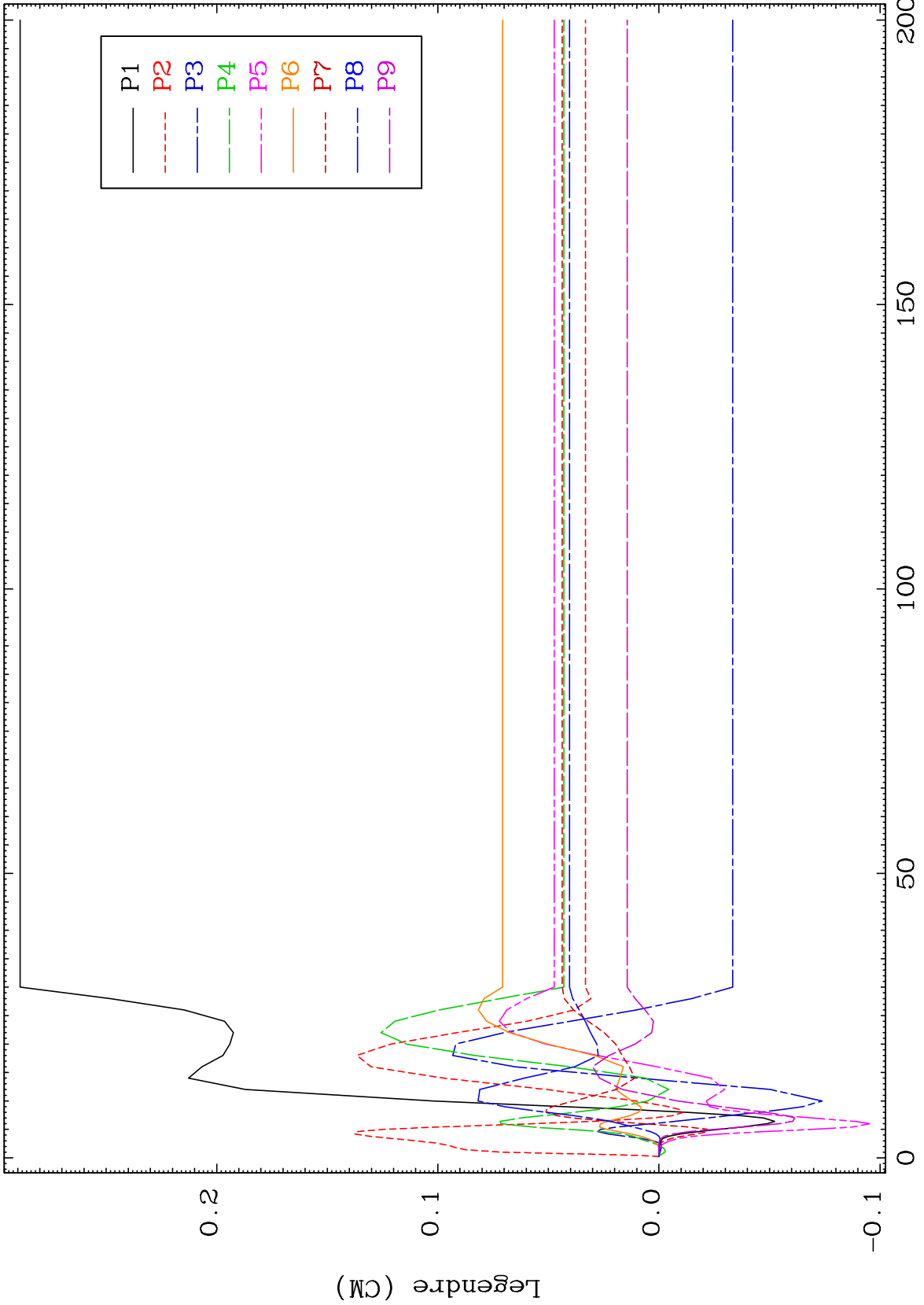
55-Cs-142







MAT 5552 MT= 55 (n,n') Level Legendre Coefficients 55-Cs-142

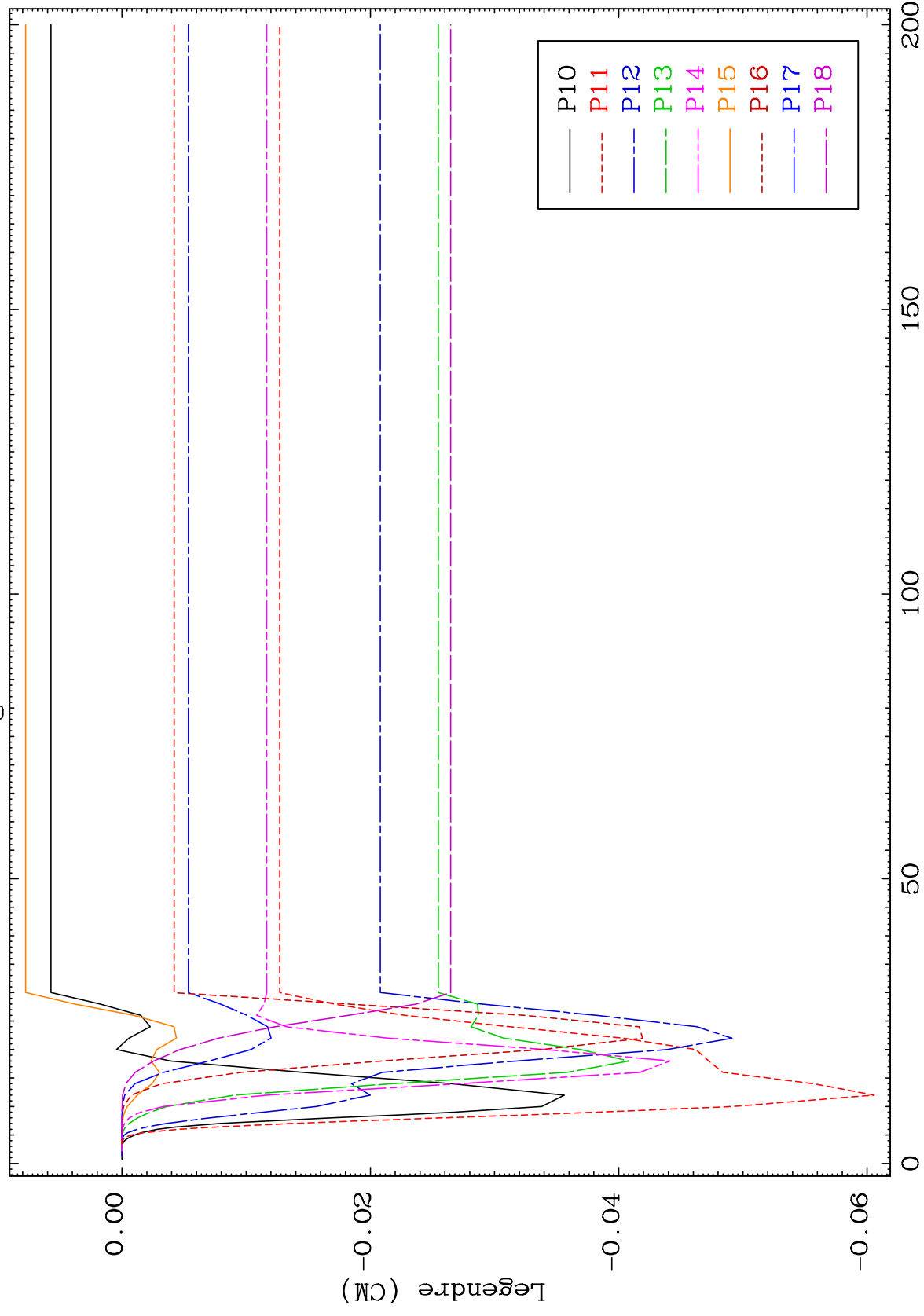


34 55-Cs-142

MAT 5552

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

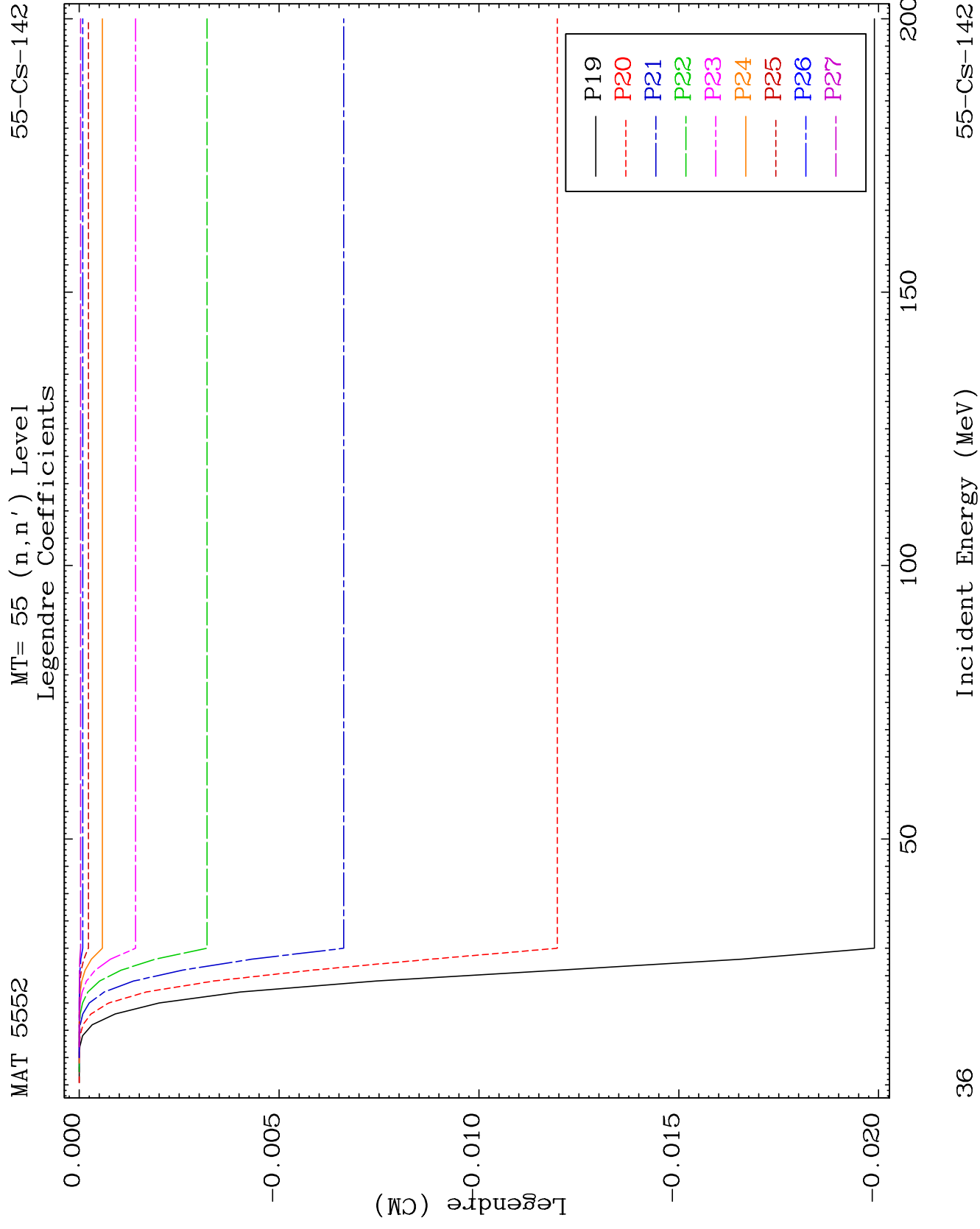
55-CS-142

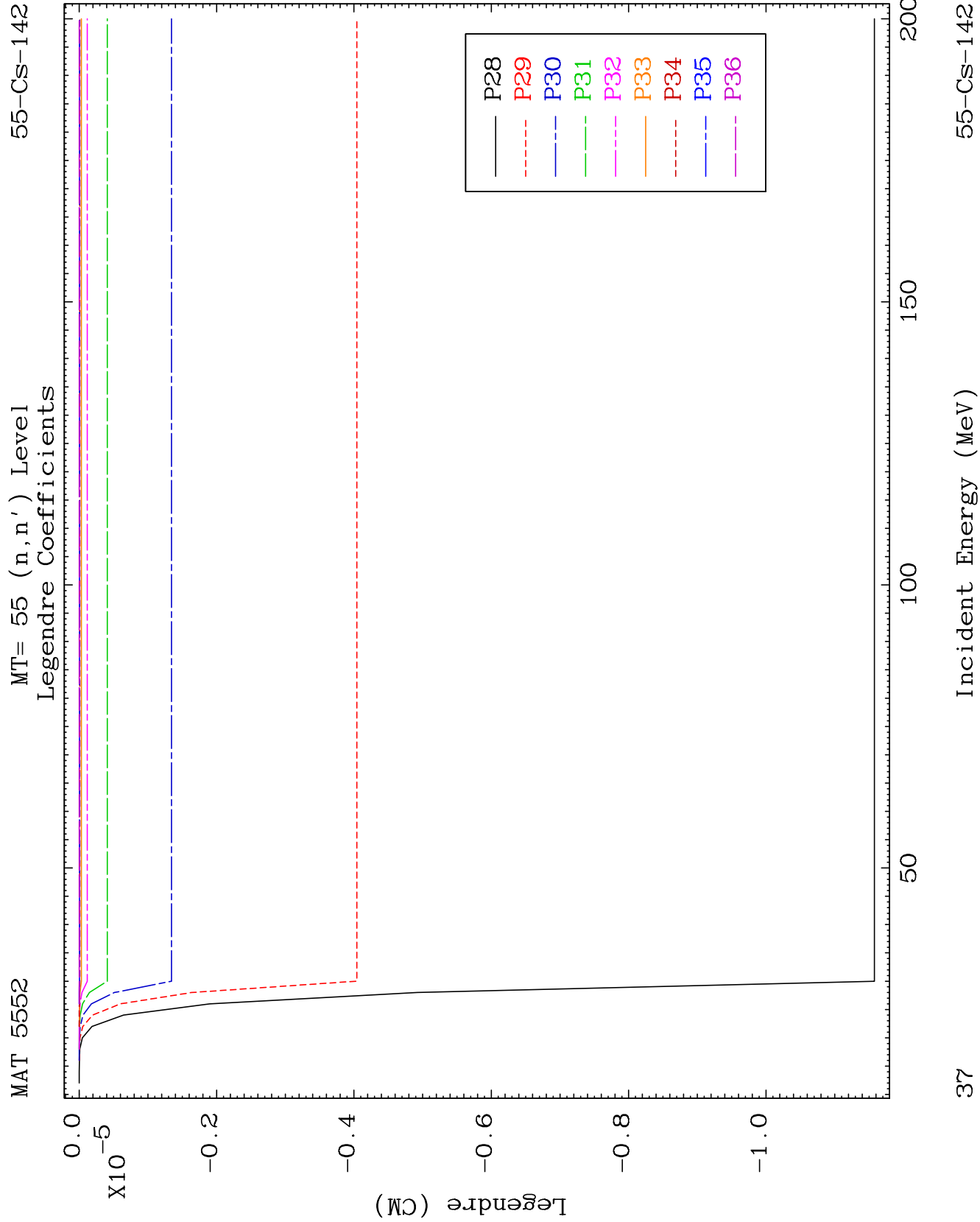


35

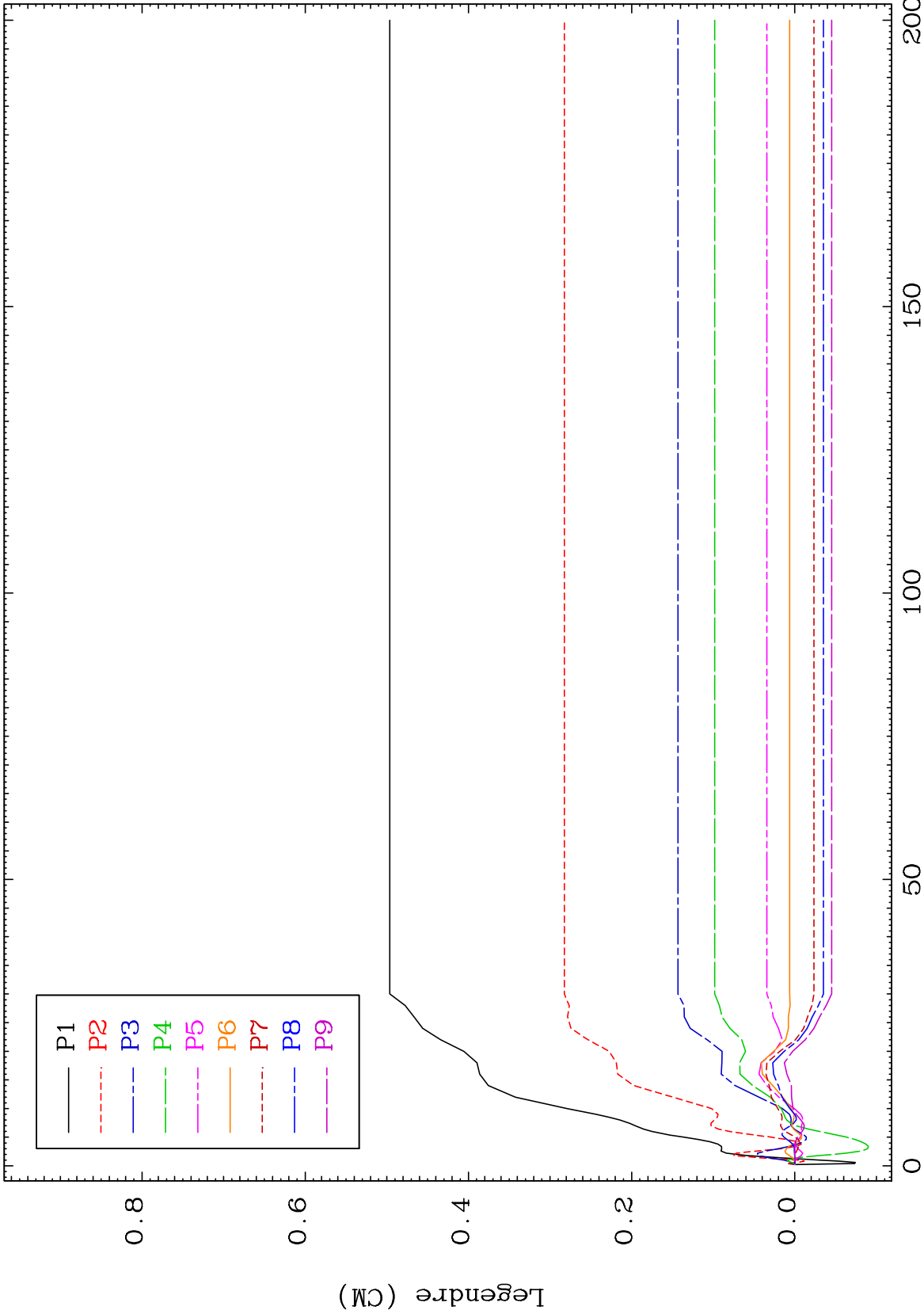
Incident Energy (MeV)

55-Cs-142





MAT 5552 MT= 56 (n,n') Level Legendre Coefficients 55-Cs-142

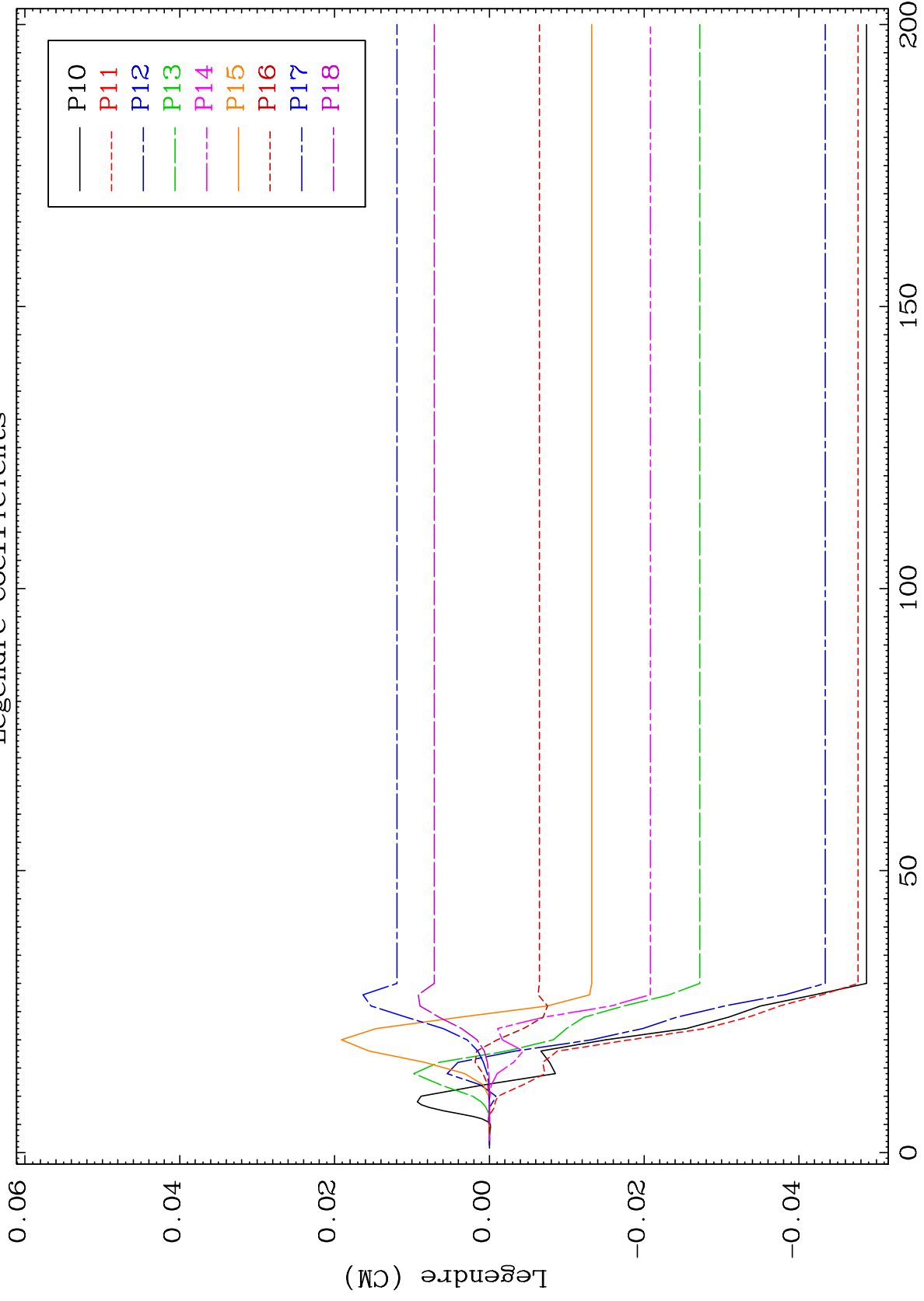


38 Incident Energy (MeV) 55-Cs-142

MAT 5552

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

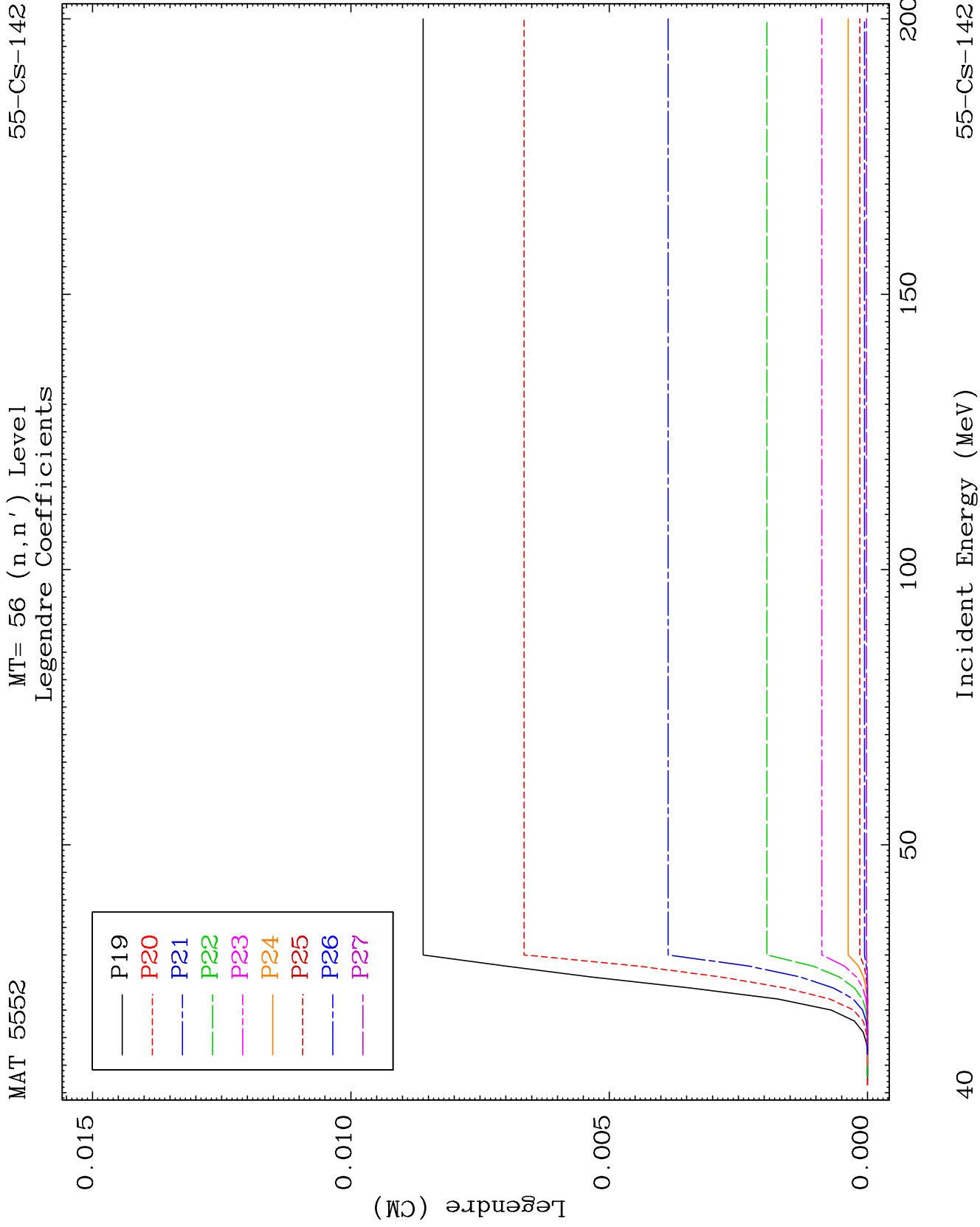
55-CS-142

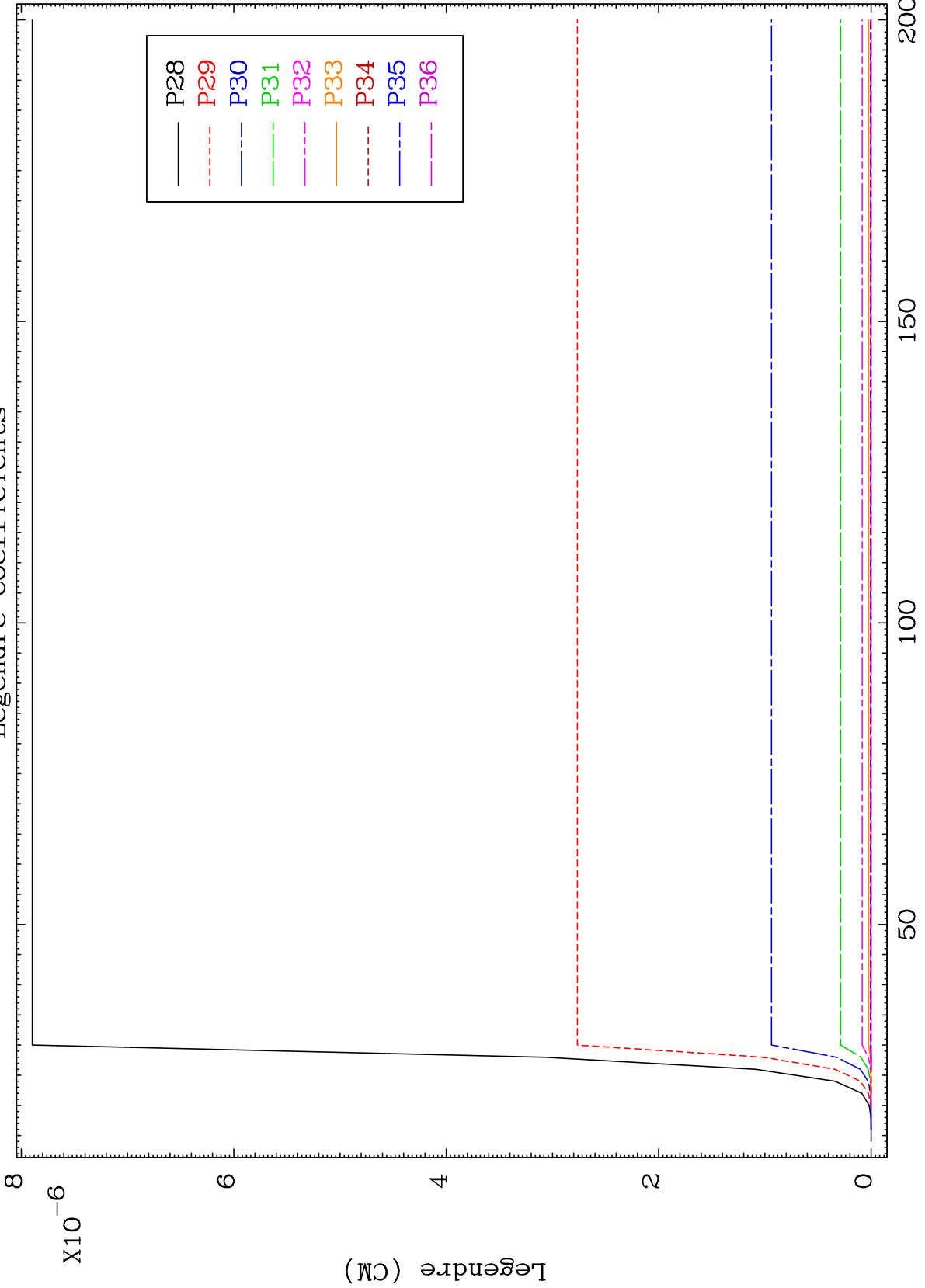


33

Incident Energy (MeV)

55-CS-142

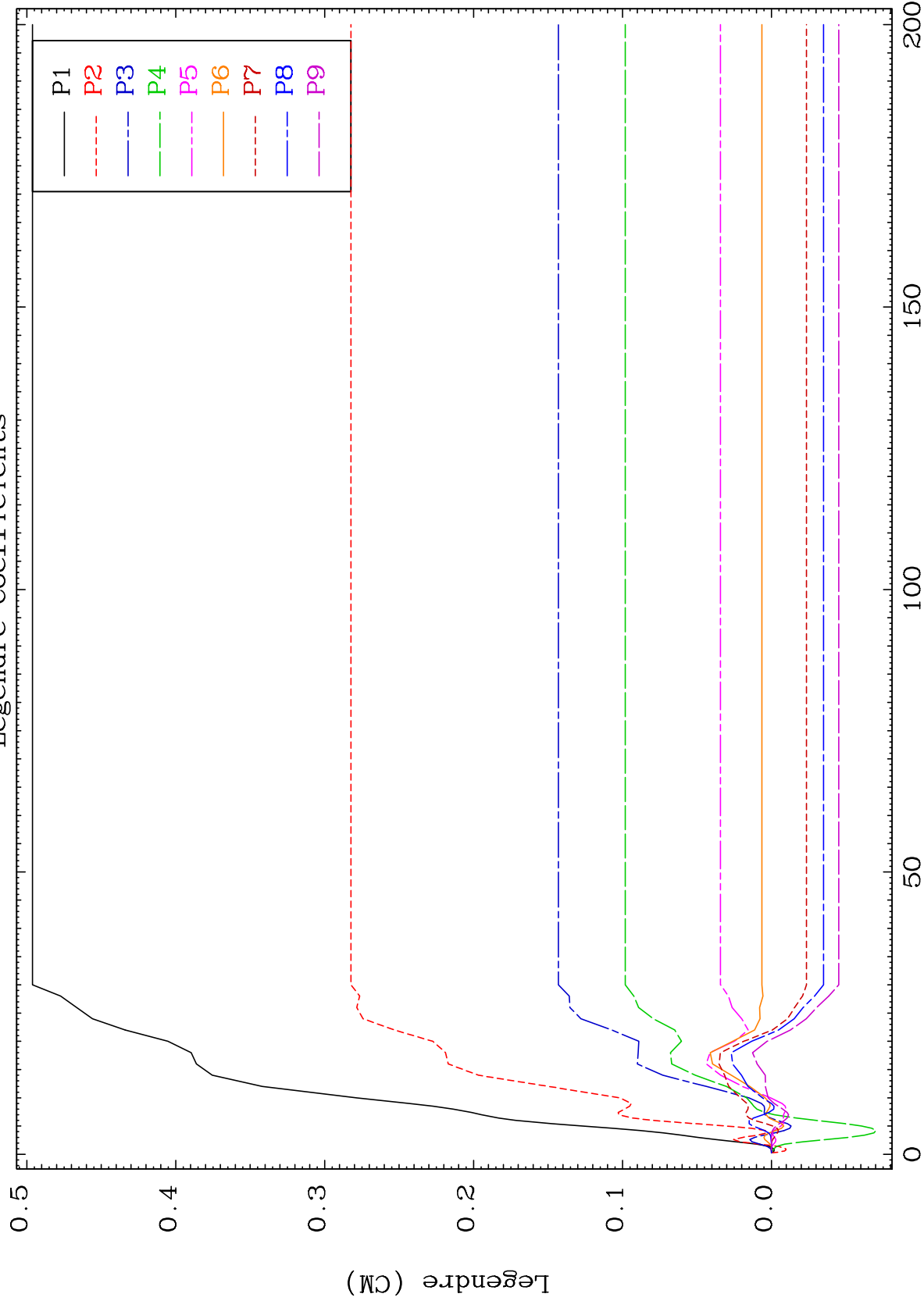




MAT 5552

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

55-CS-142



42

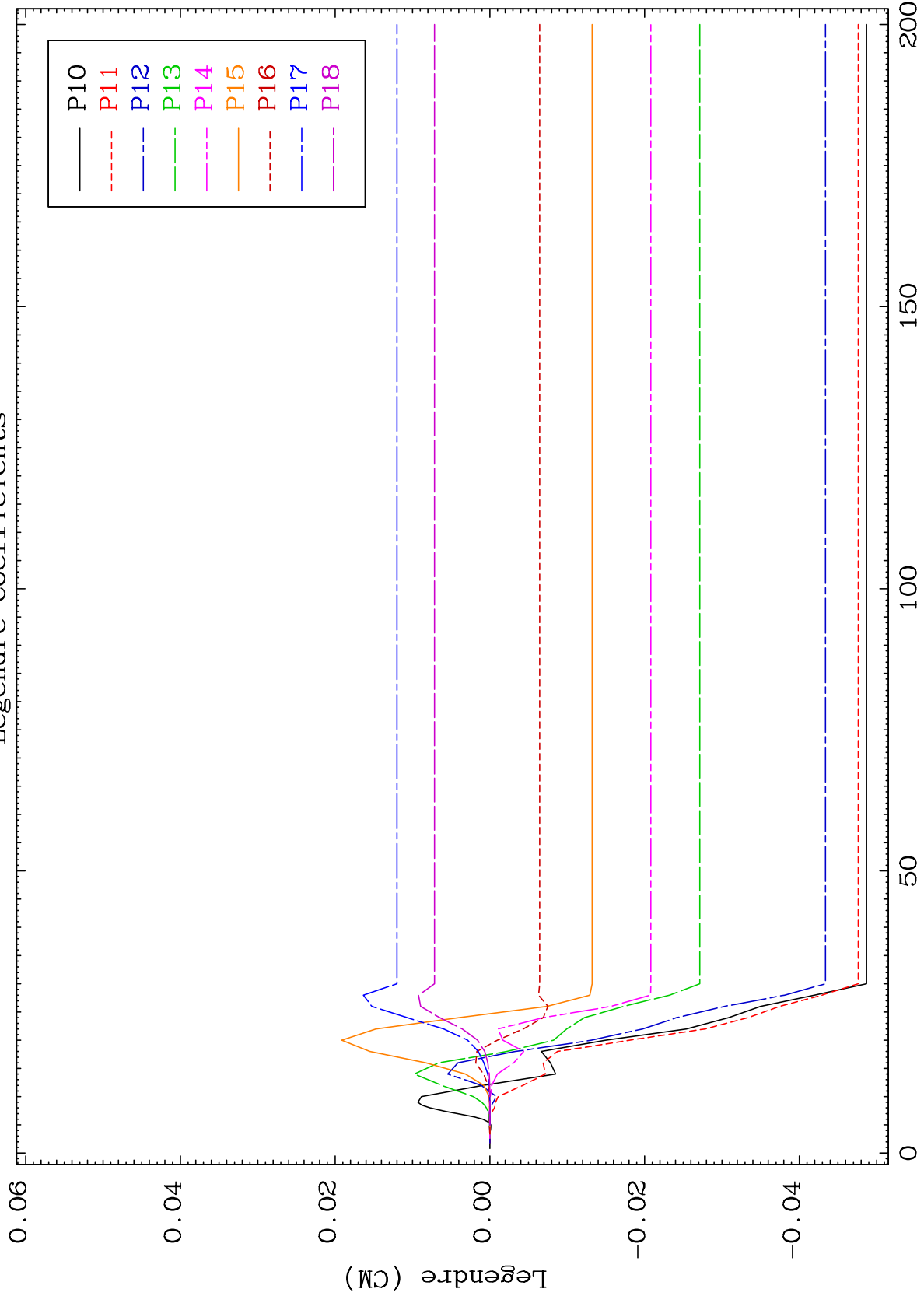
Incident Energy (MeV)

55-CS-142

MAT 5552

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

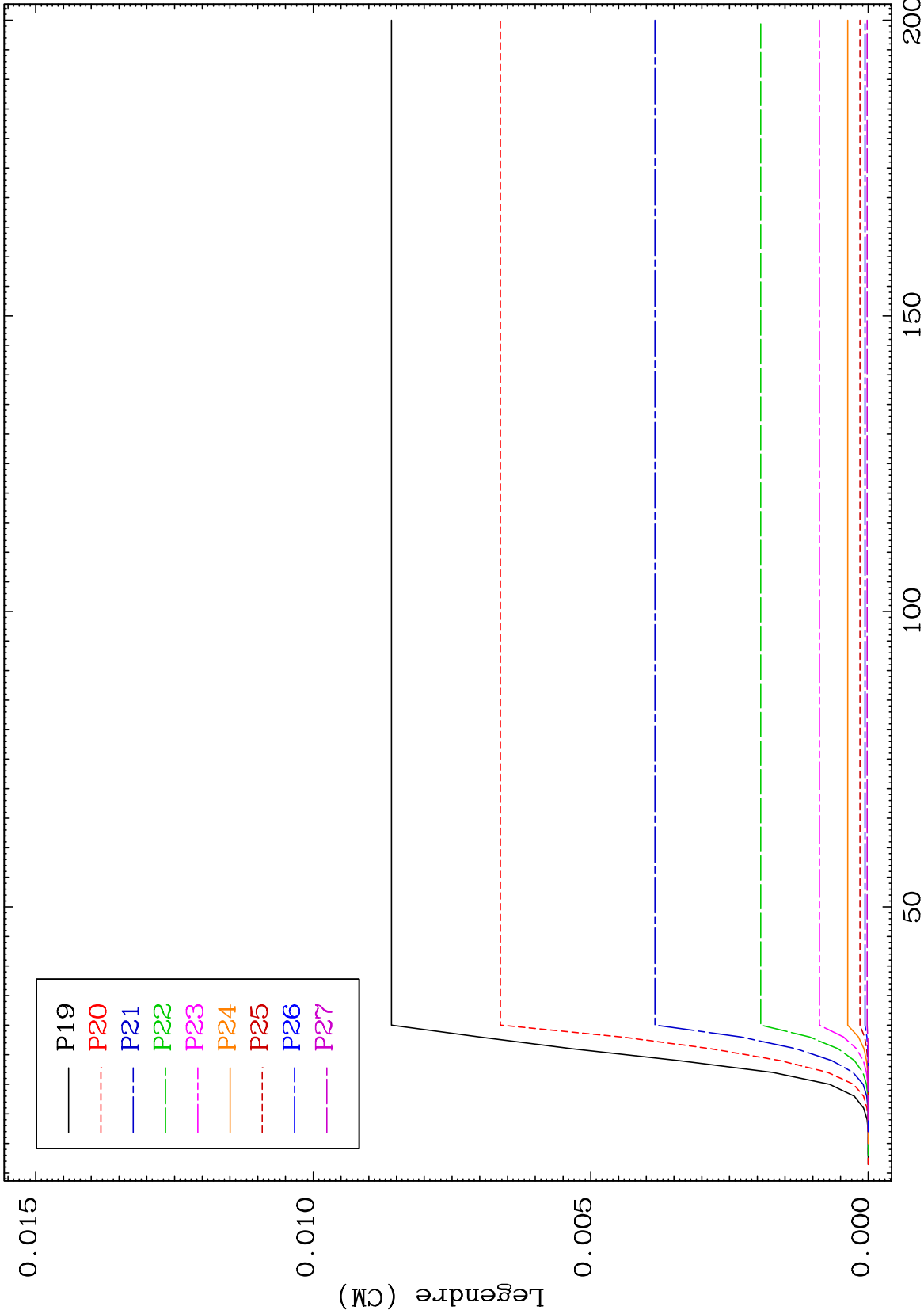
55-CS-142



43

Incident Energy (MeV)

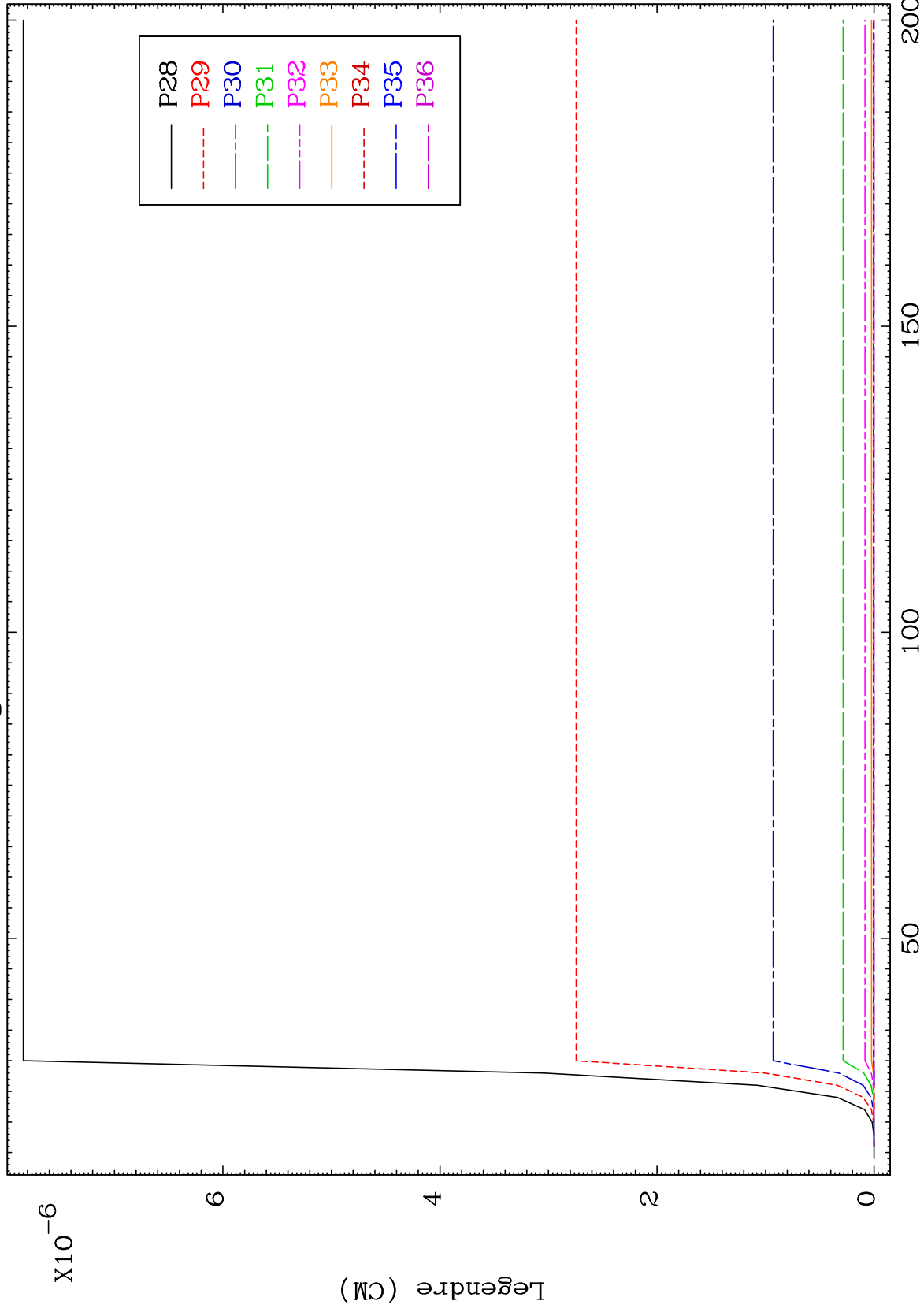
55-CS-142



MAT 5552

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

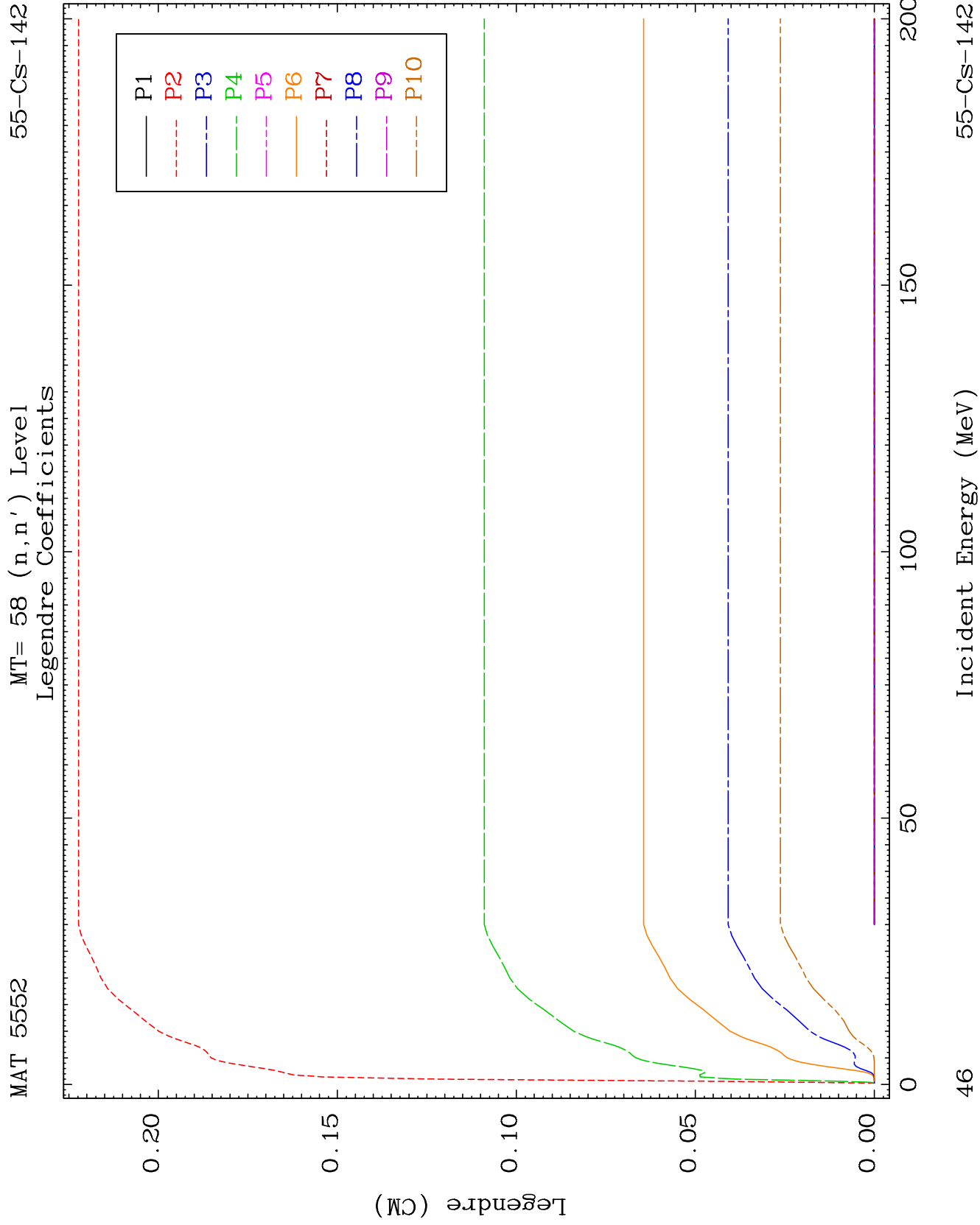
55-Cs-142

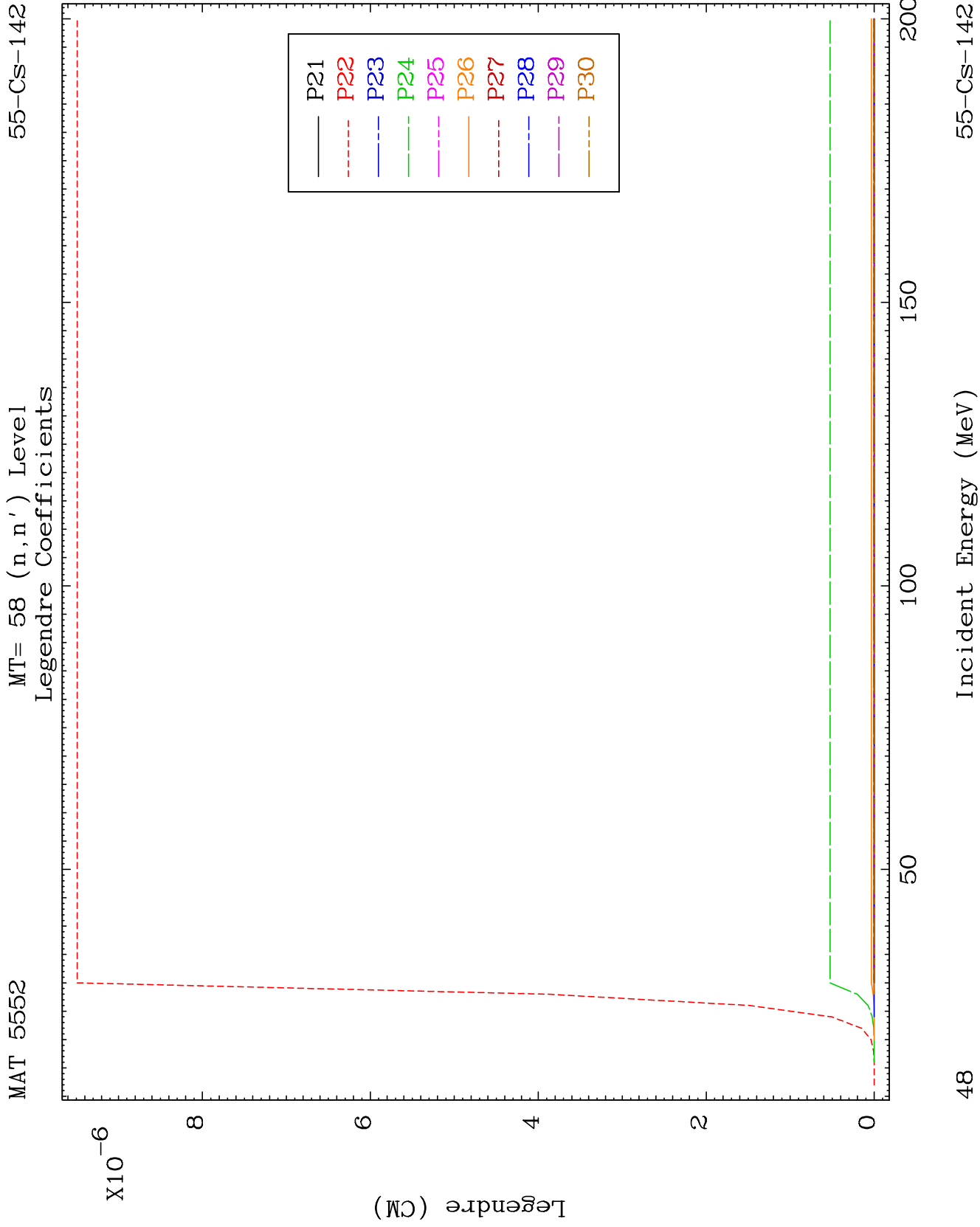


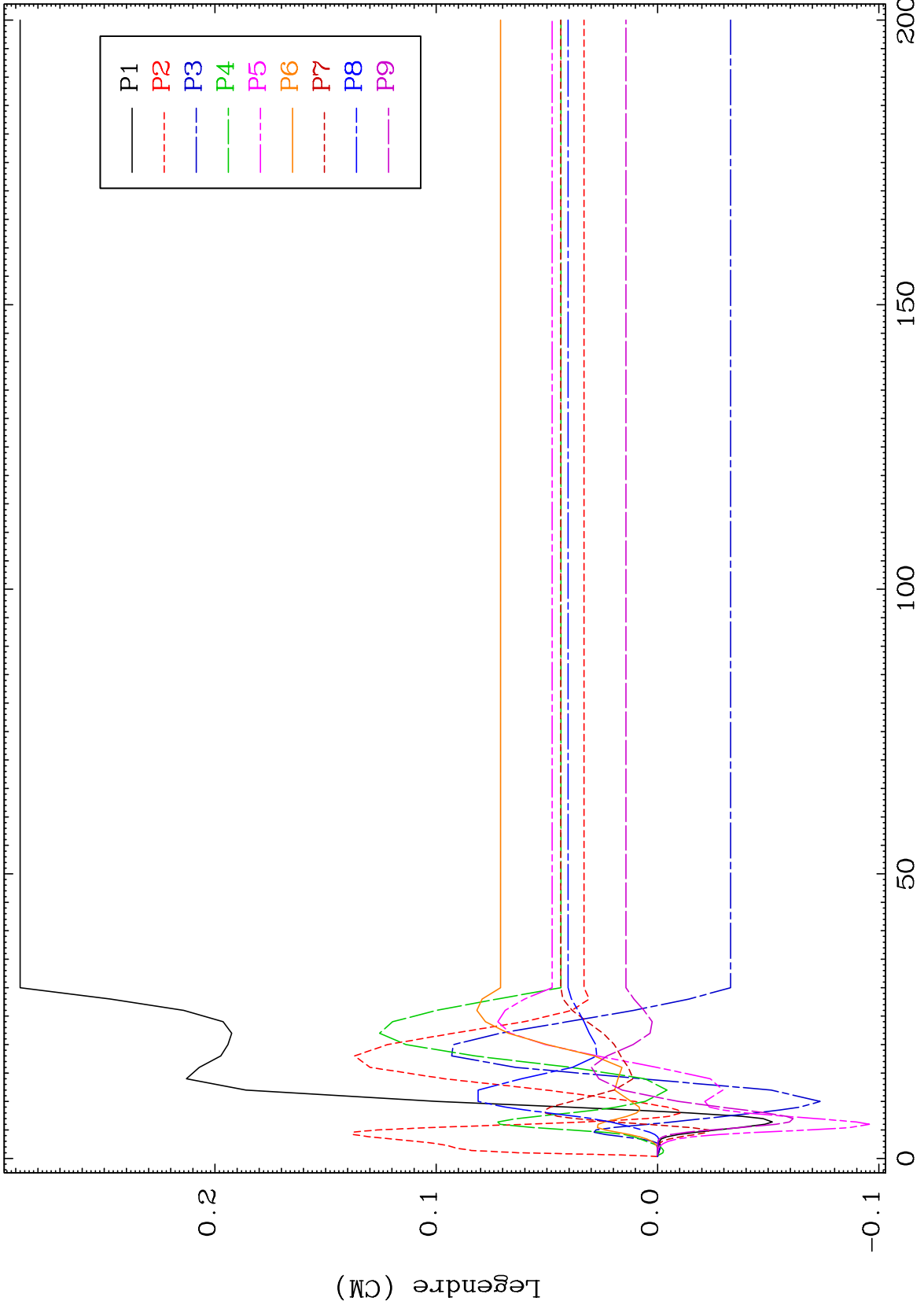
45

Incident Energy (MeV)

55-Cs-142



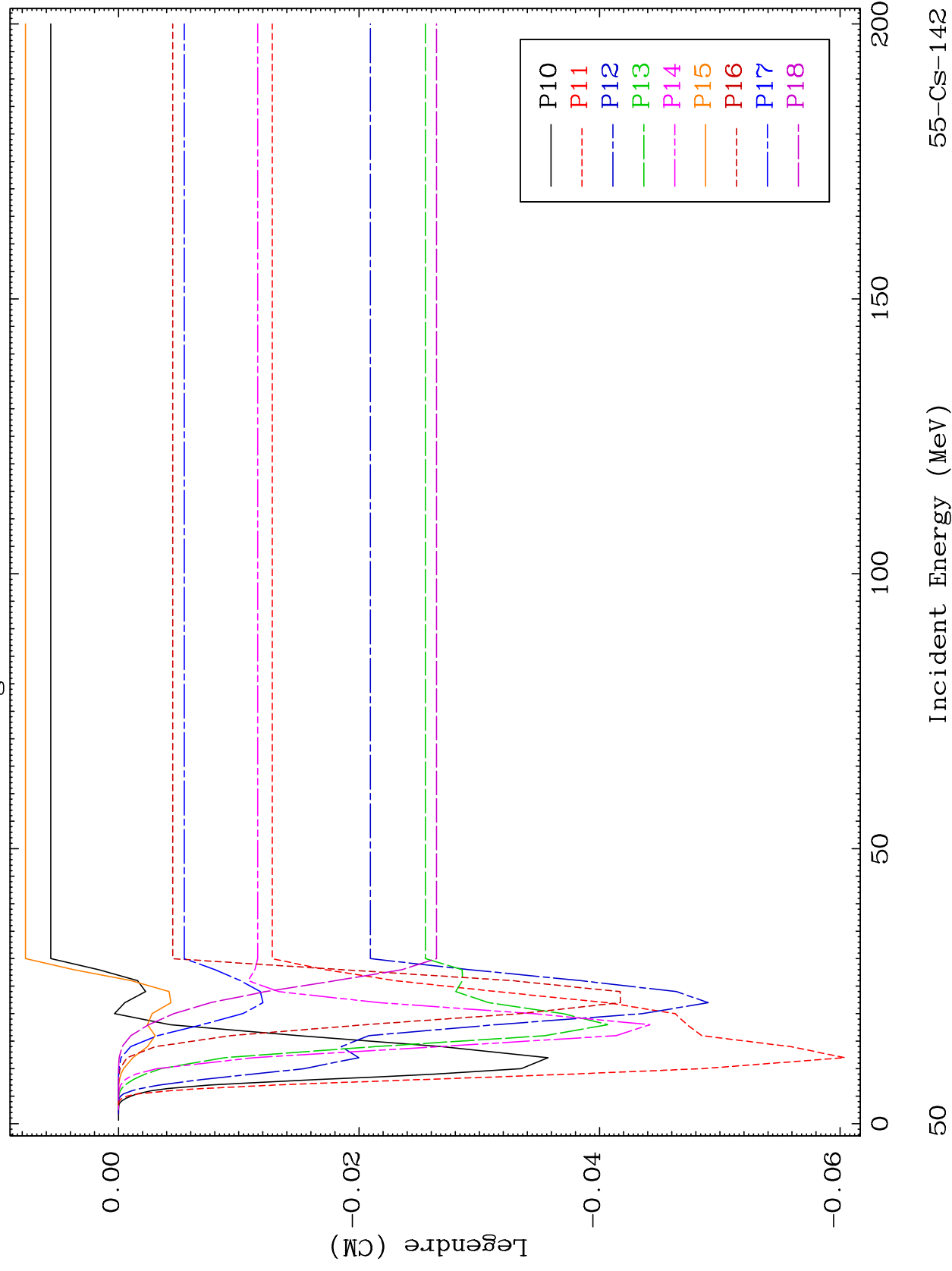


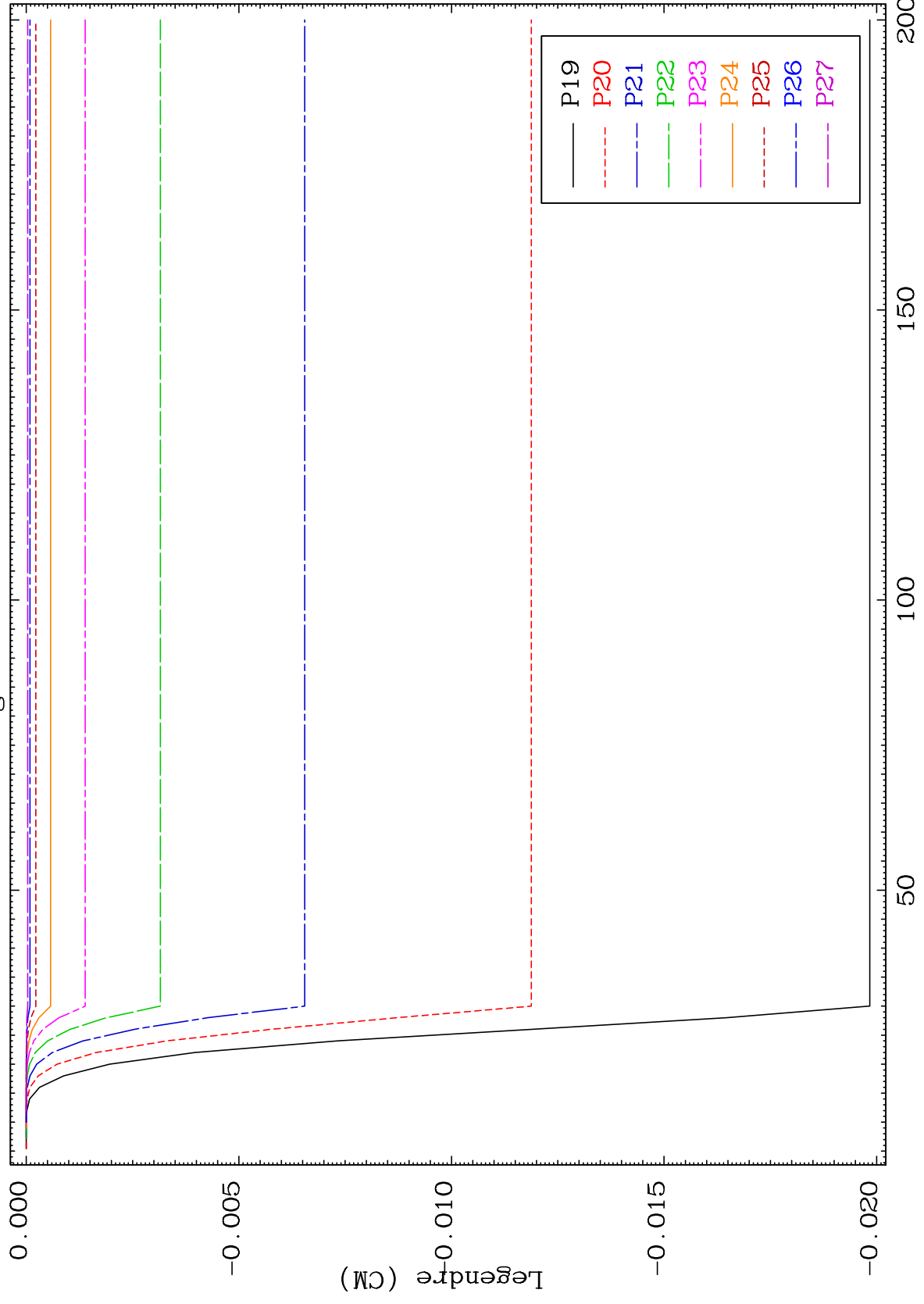


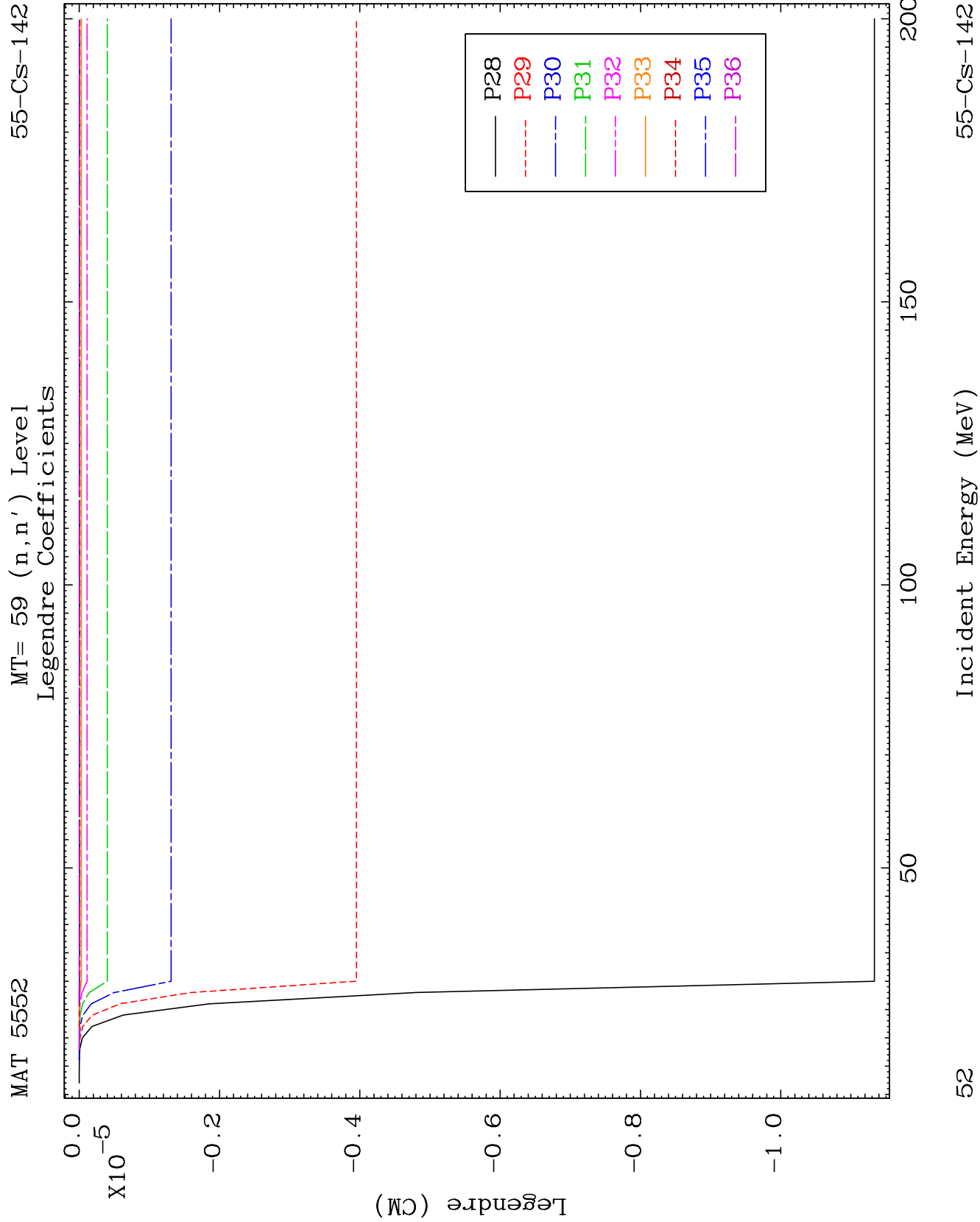
MAT 5552

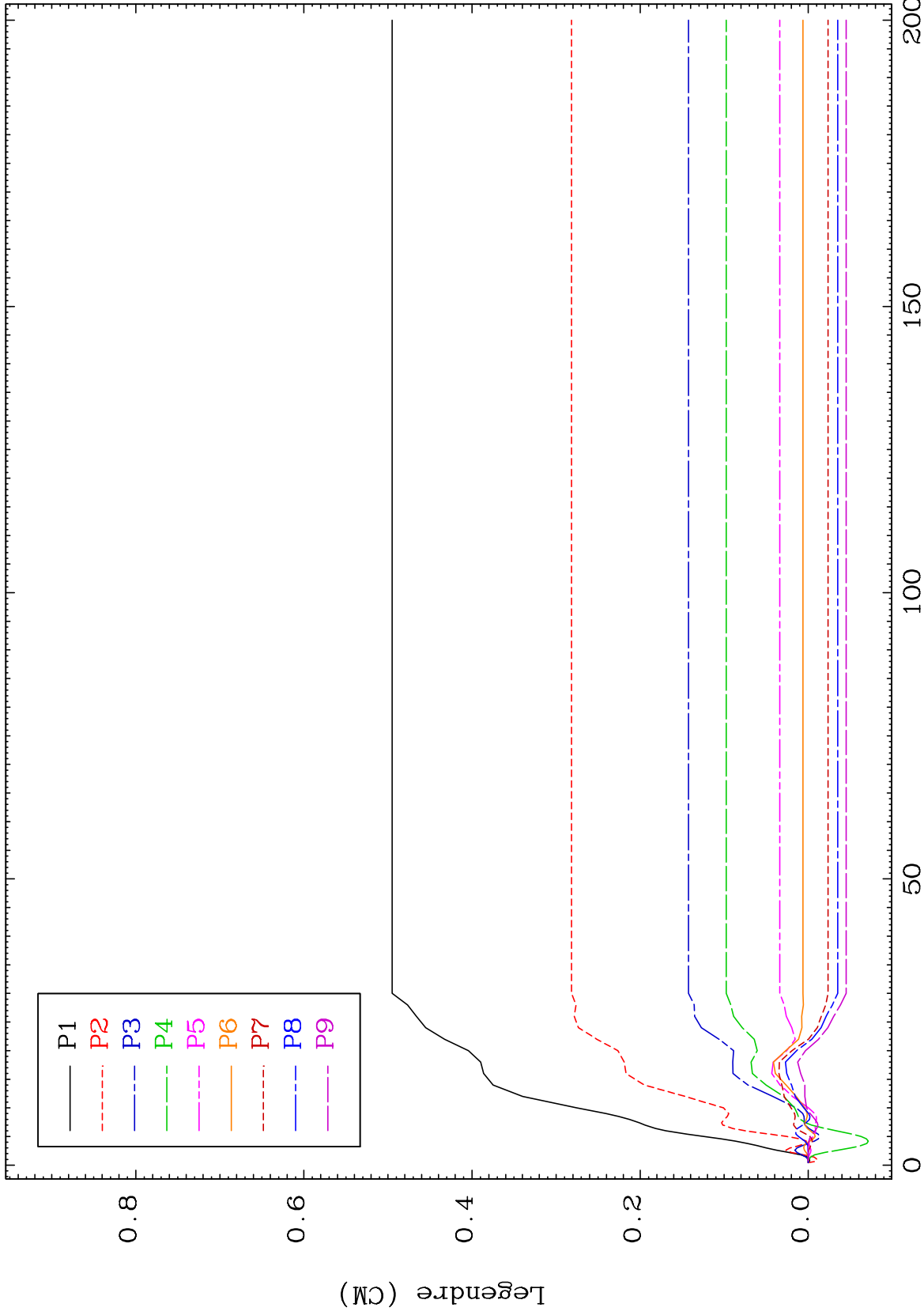
MT= 59 (n, n') Level
Legendre Coefficients

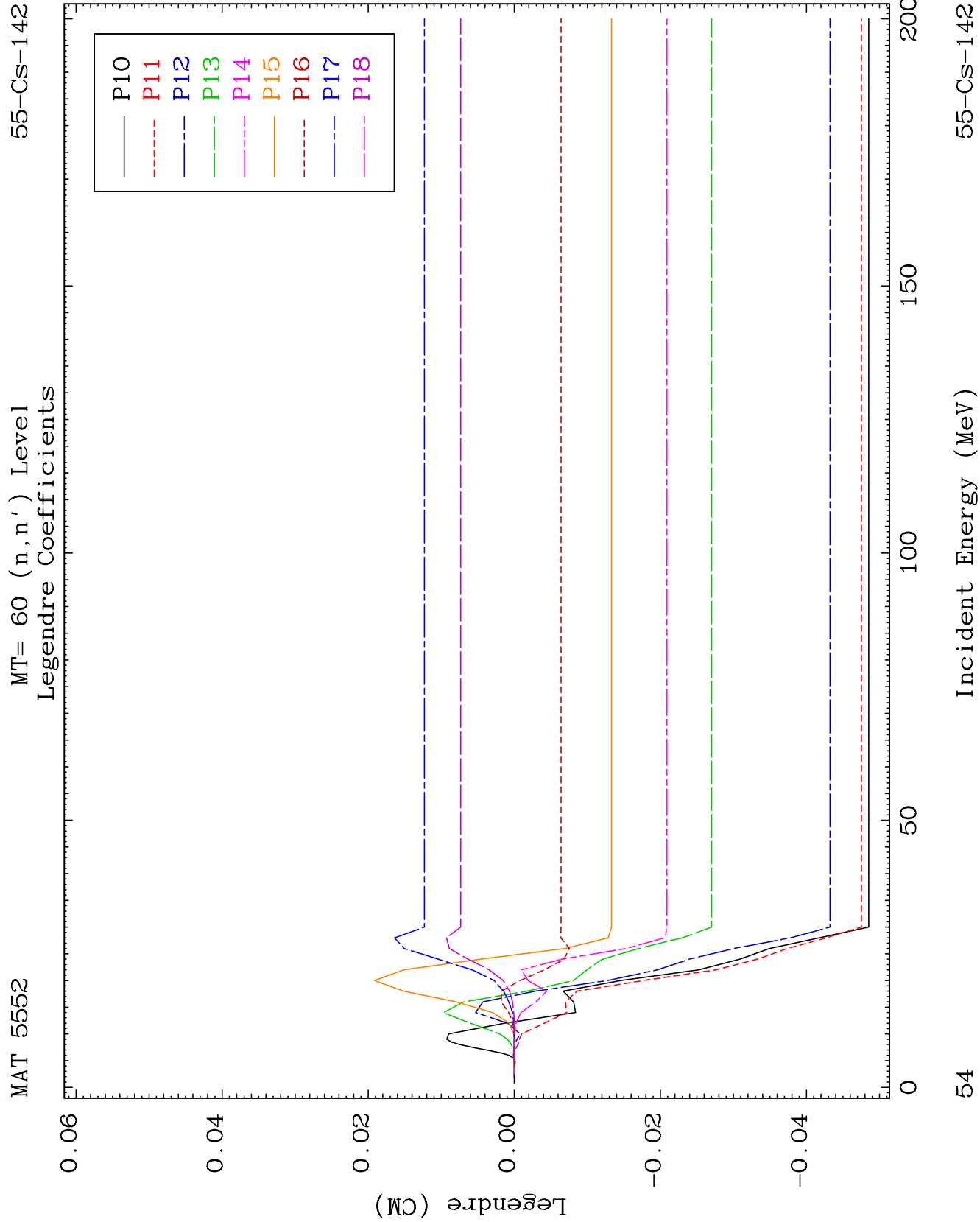
55-CS-142

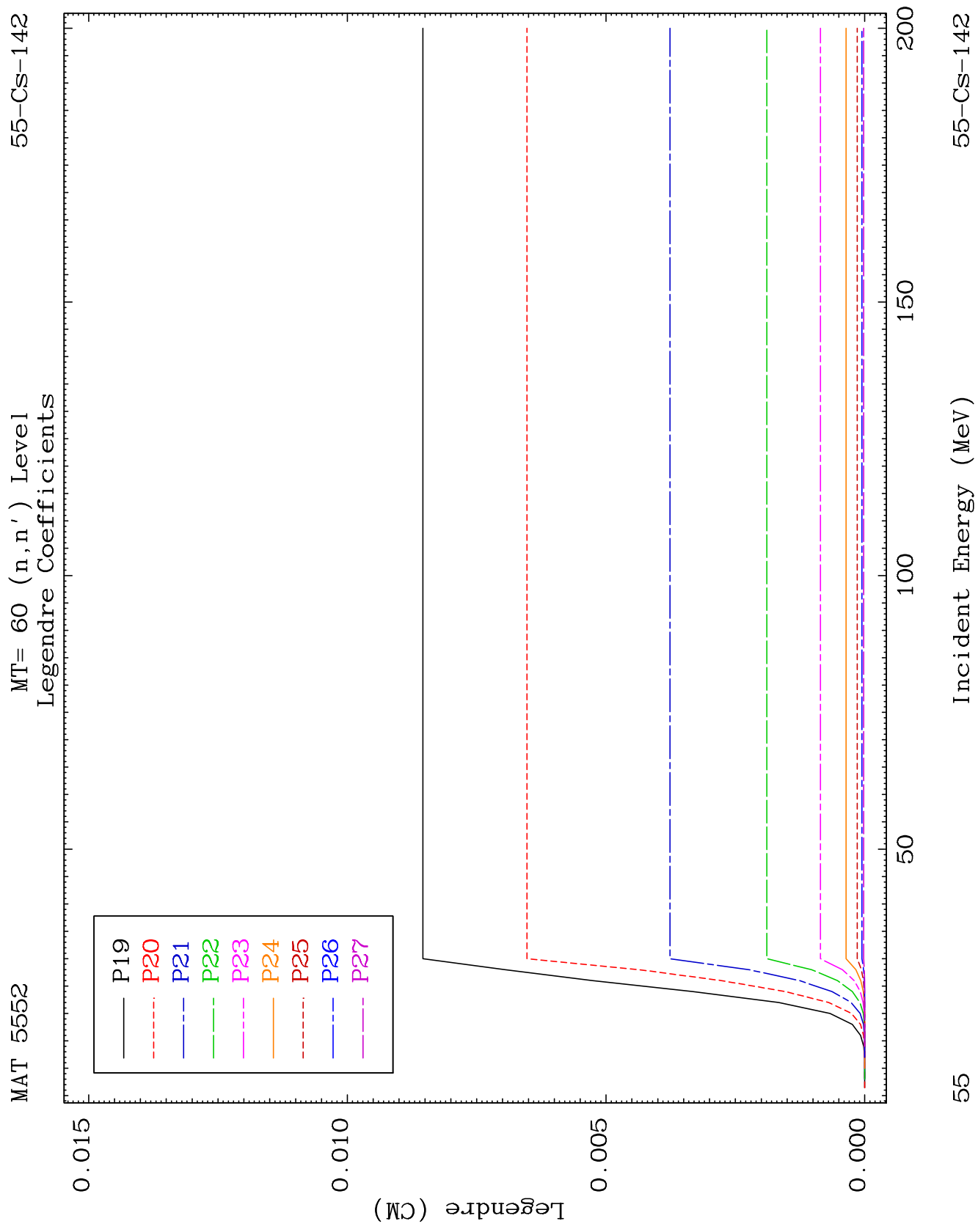


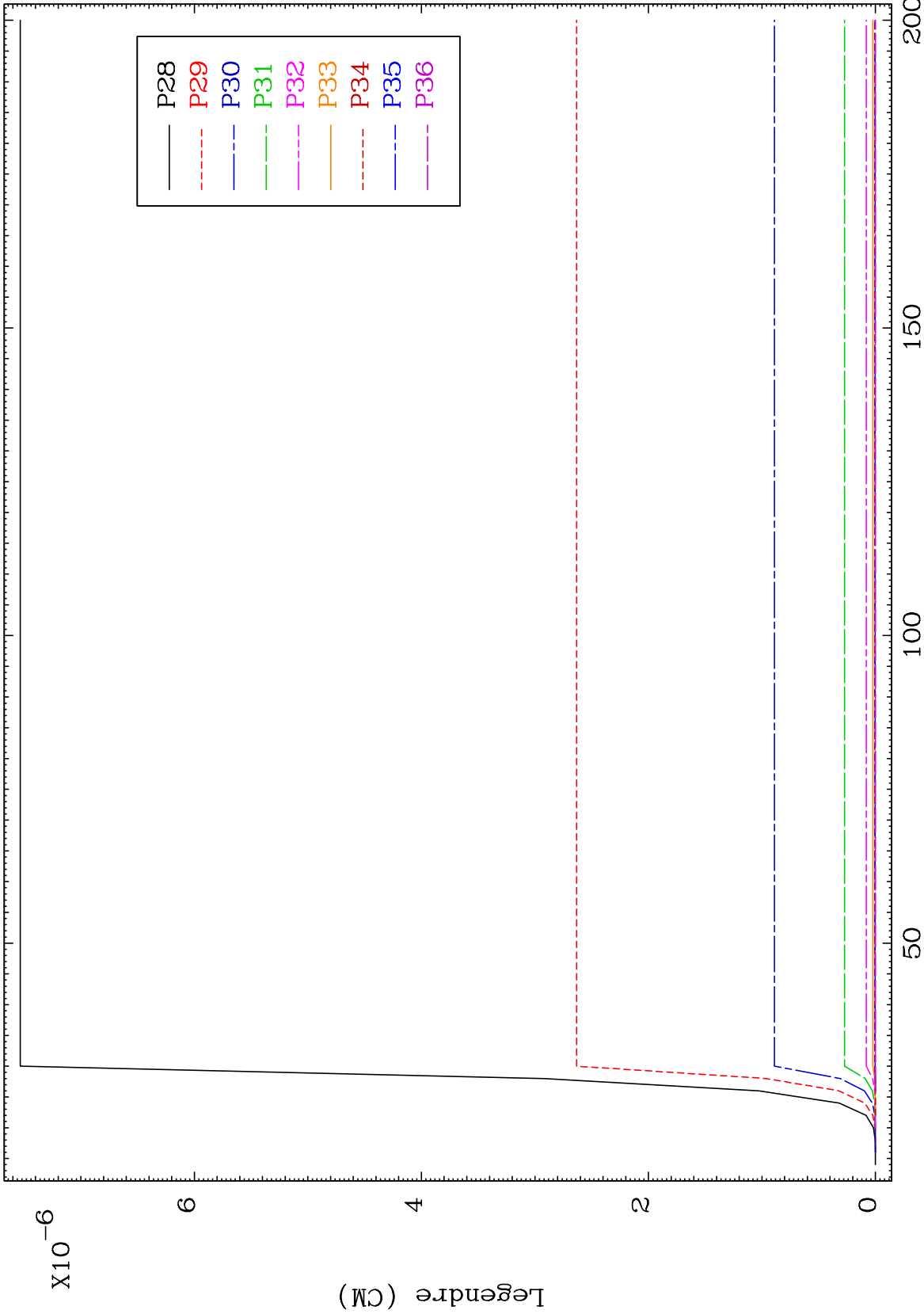


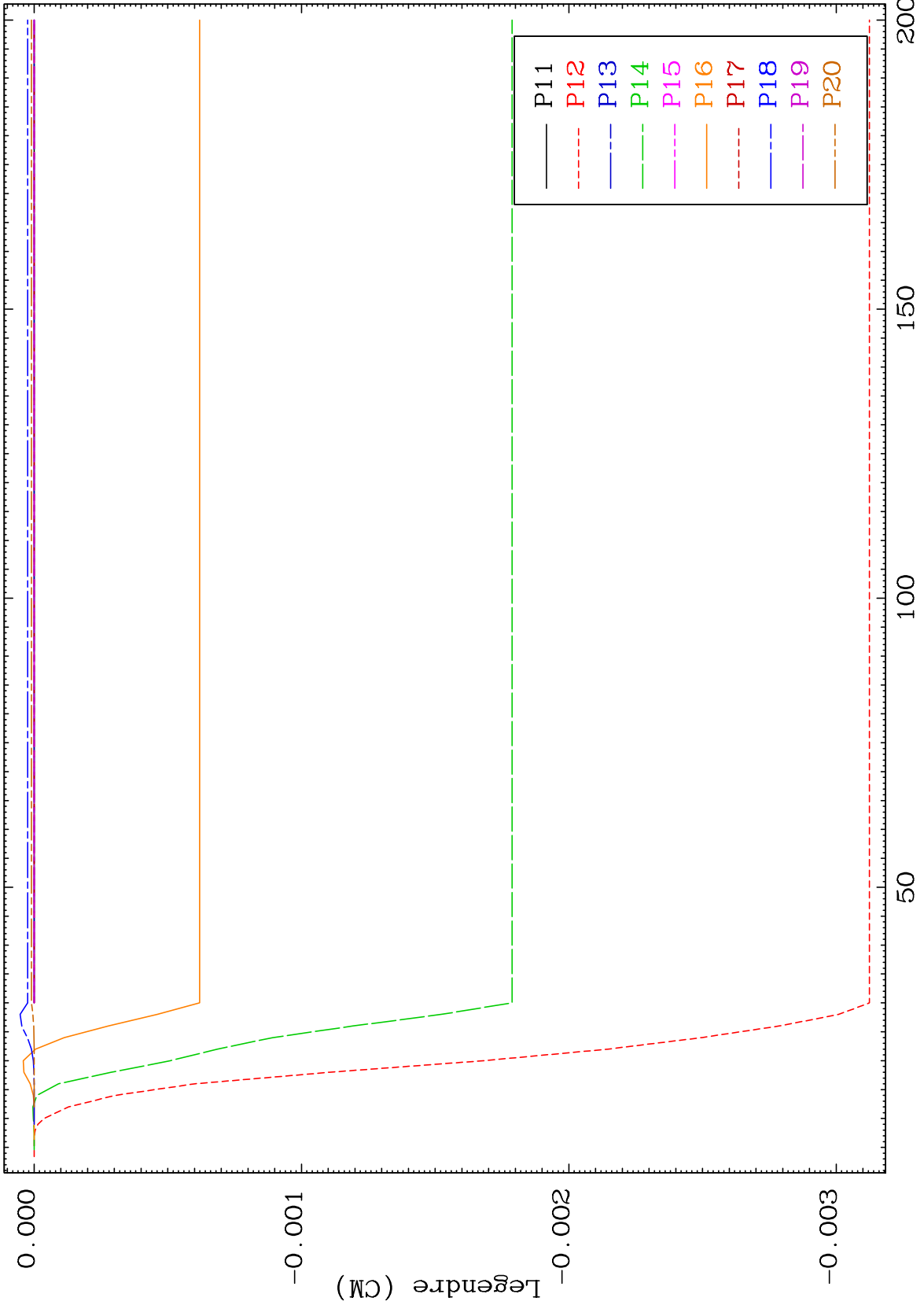


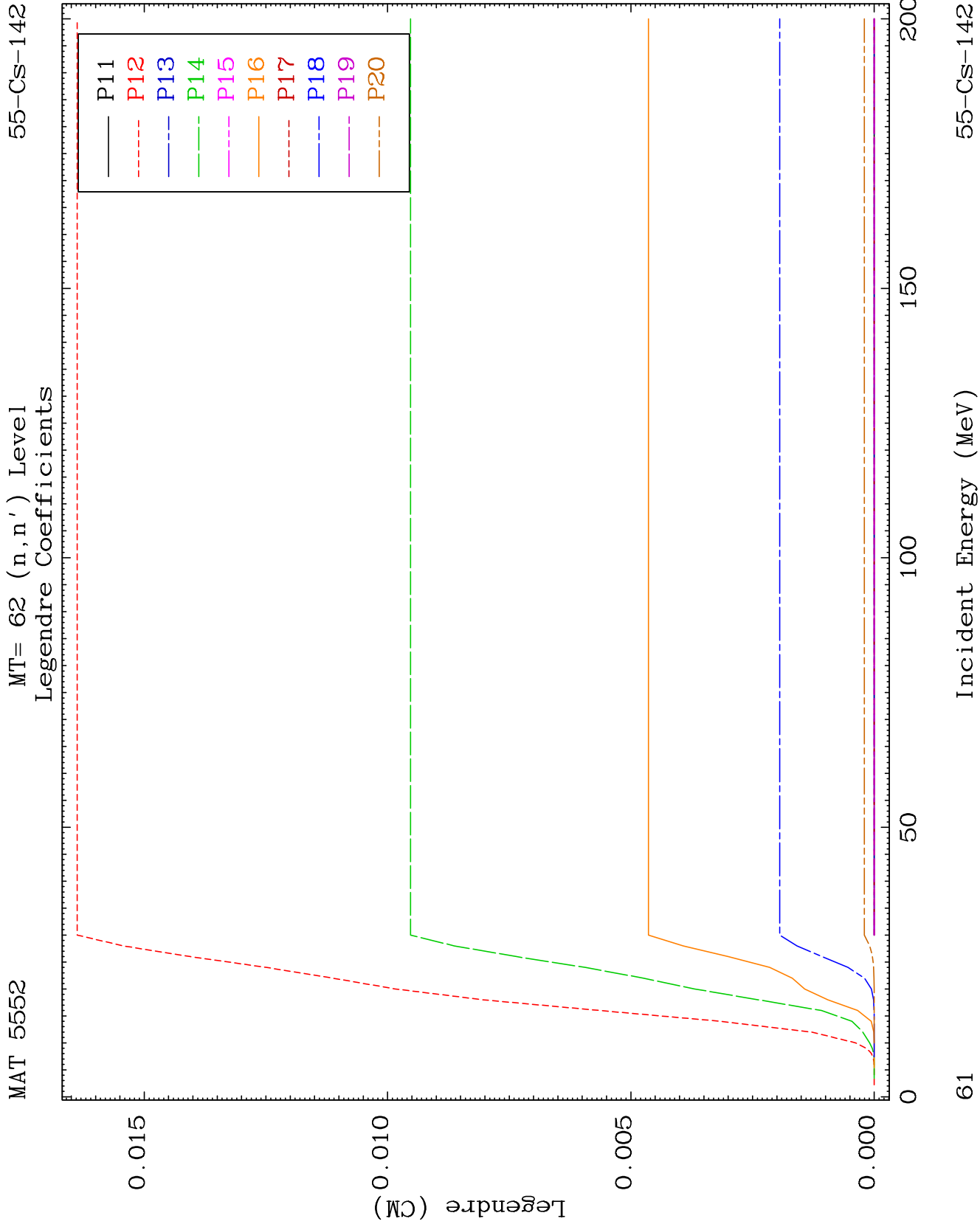


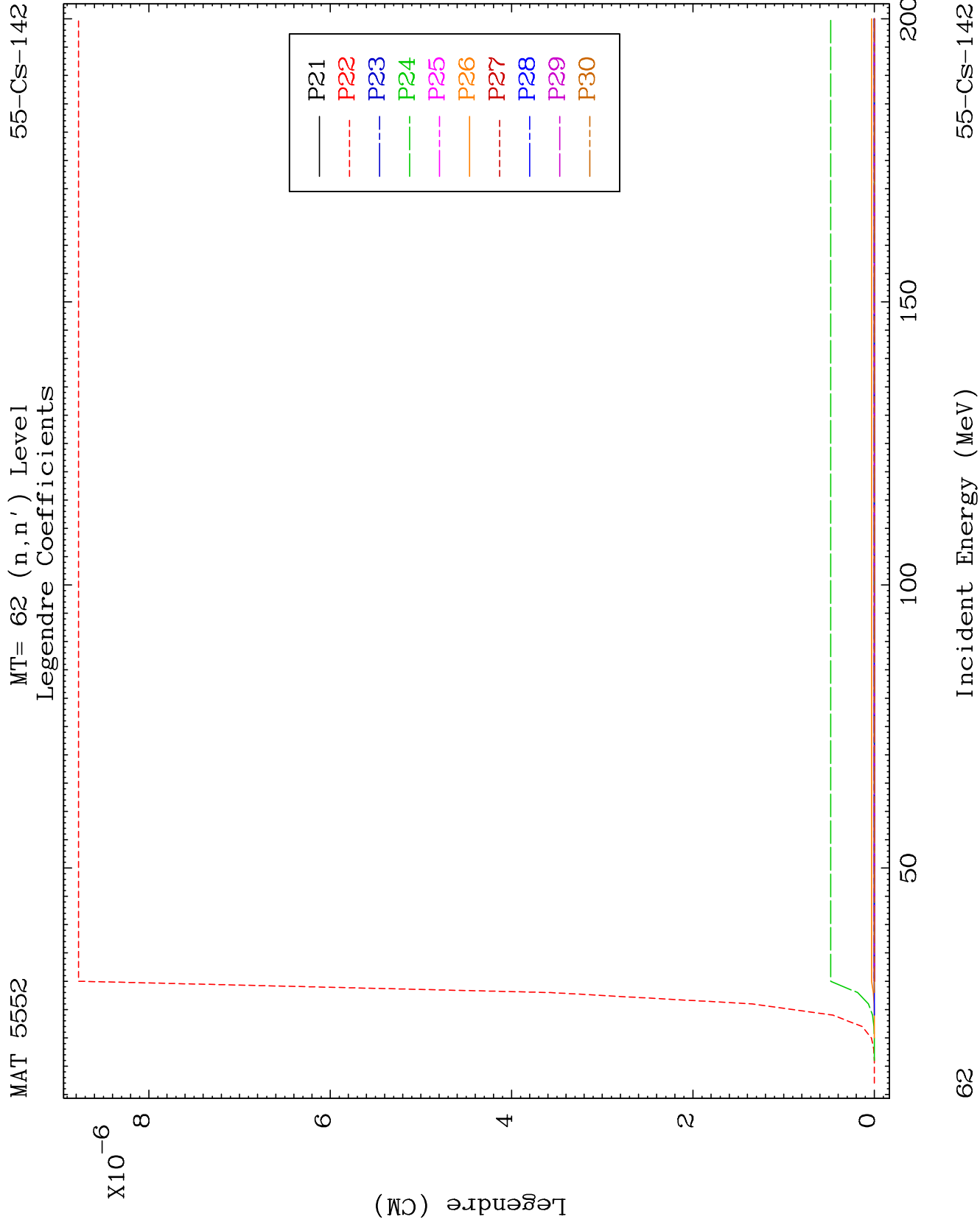




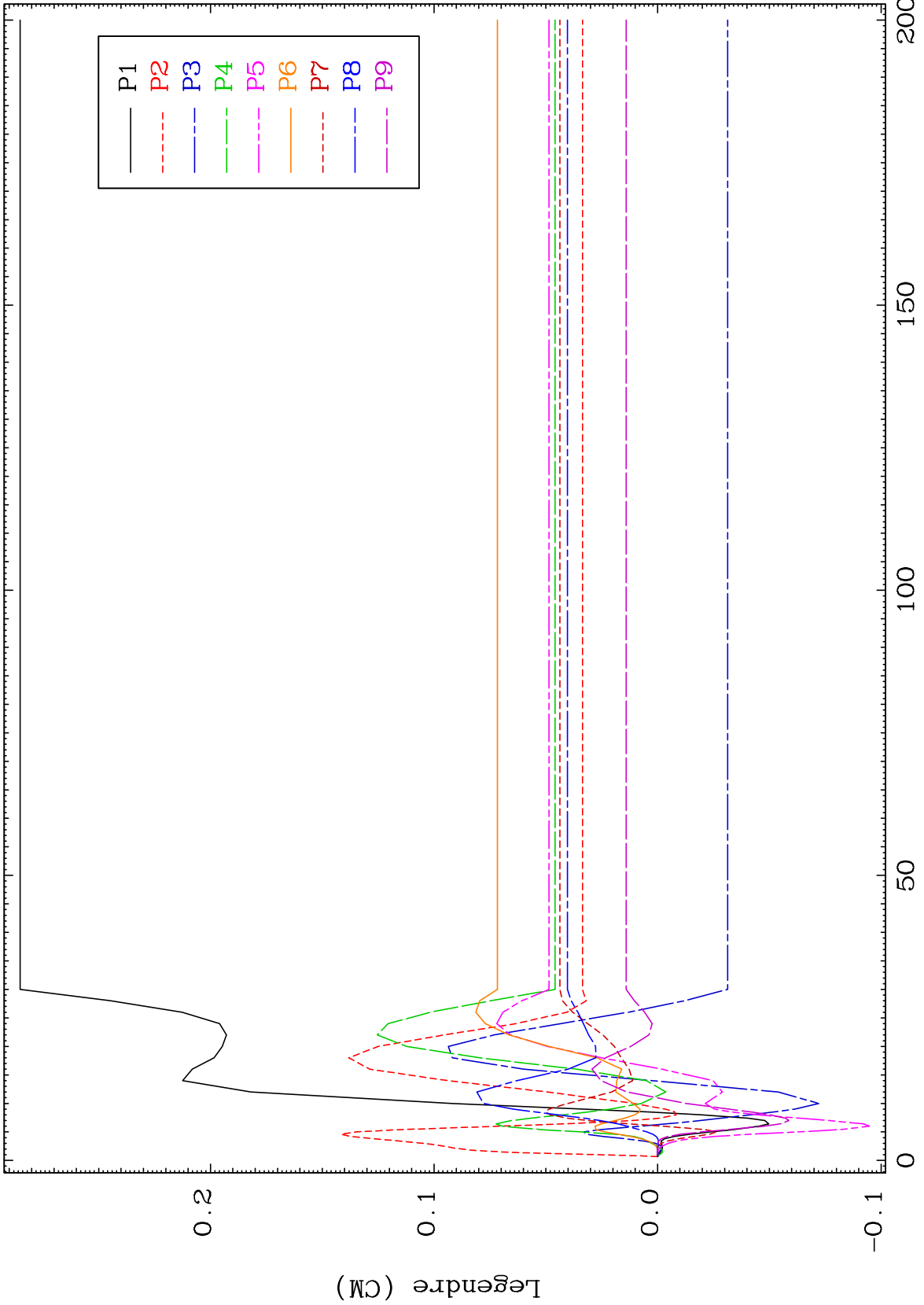








MAT 5552 MT= 63 (n,n') Level Legendre Coefficients 55-Cs-142

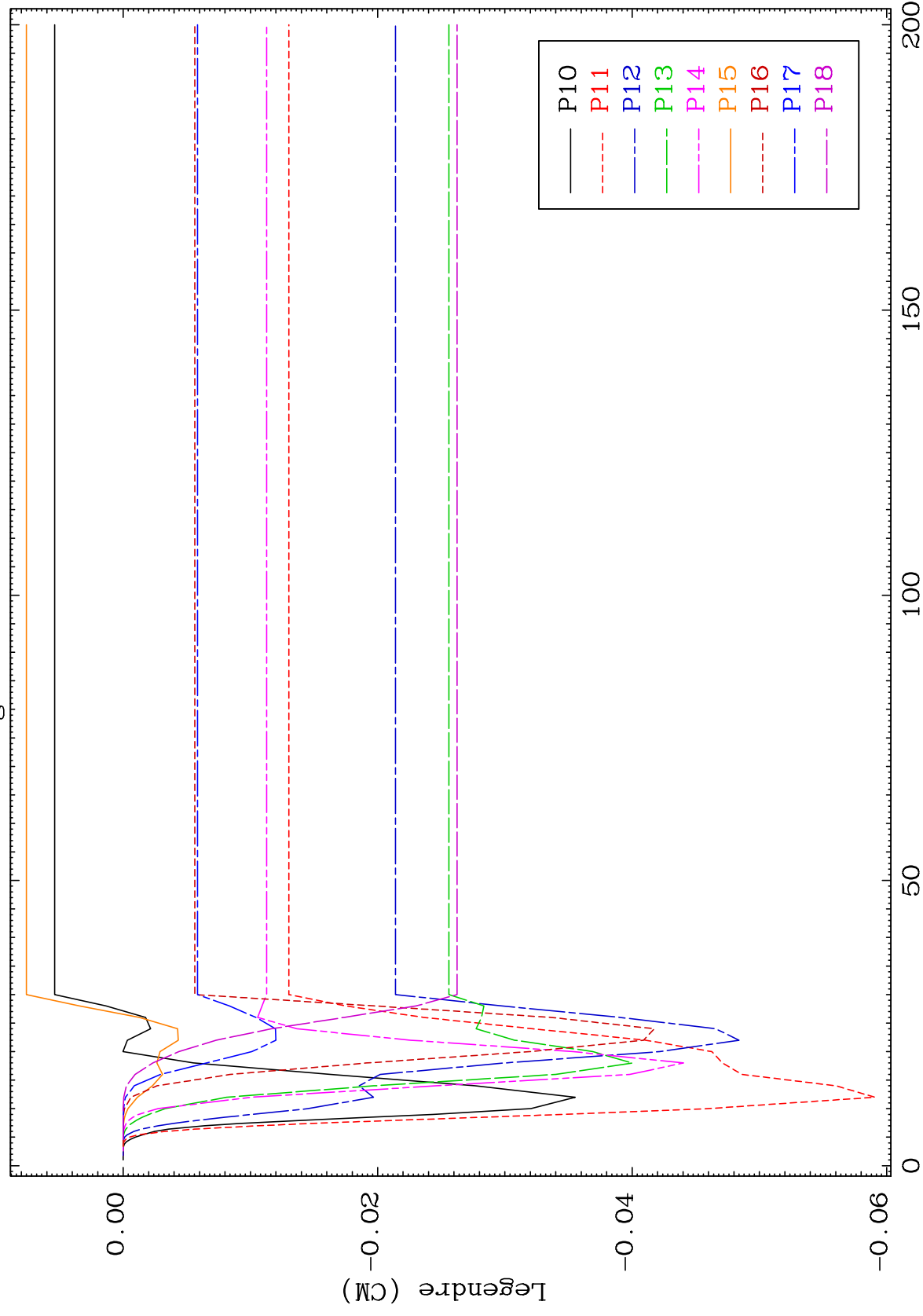


63 55-Cs-142

MAT 5552

MT= 63 (n, n') Level
Legendre Coefficients

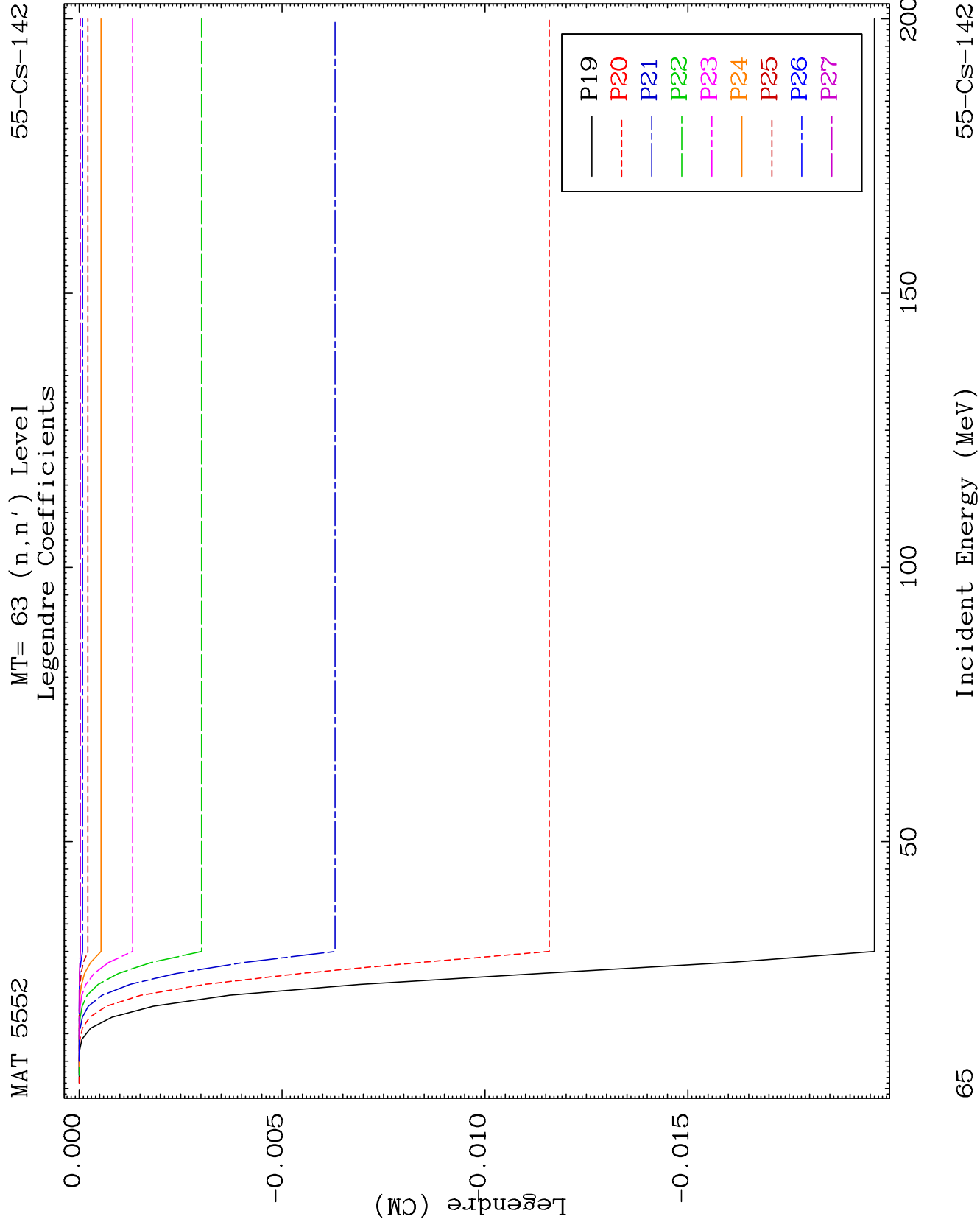
55-CS-142

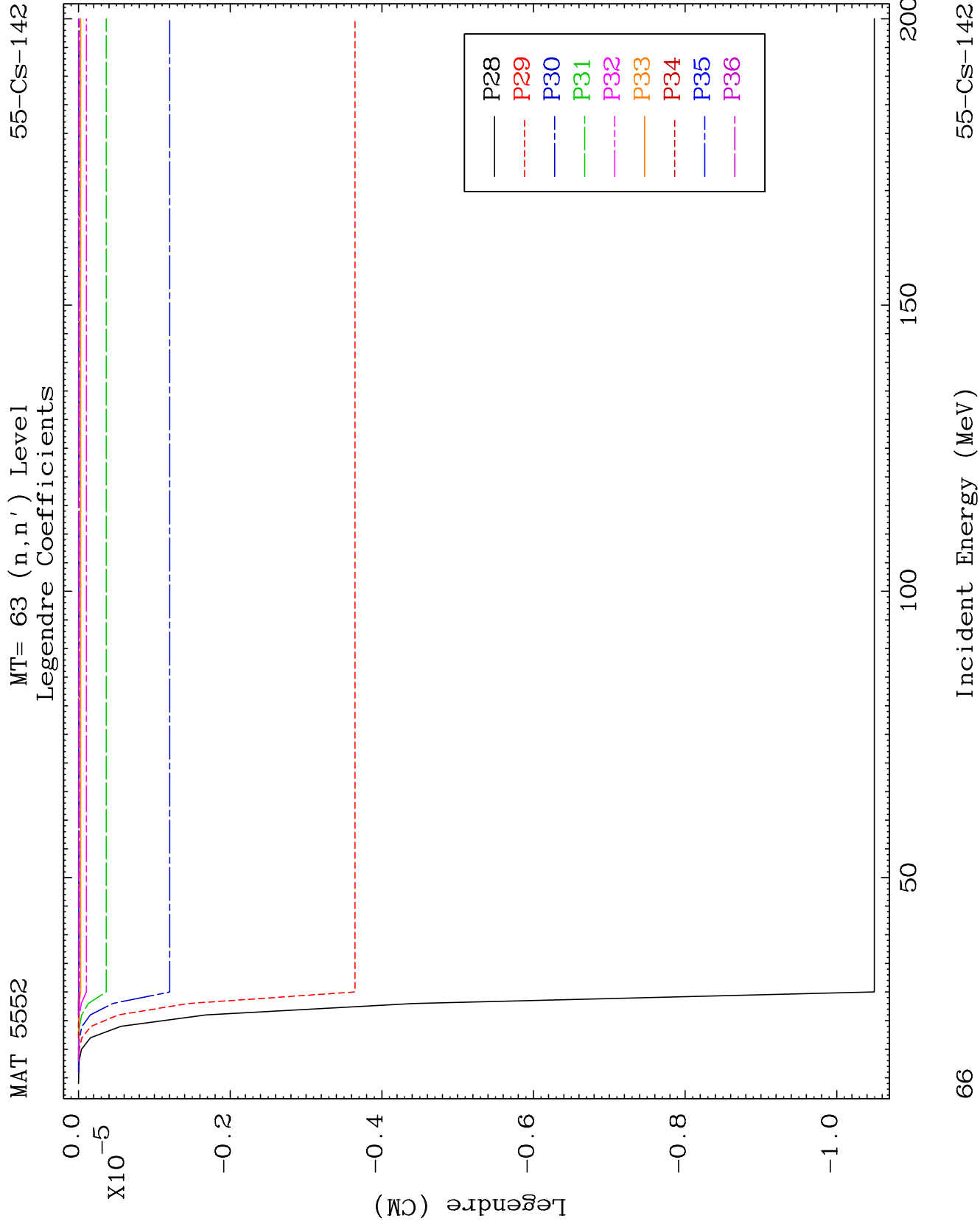


64

Incident Energy (MeV)

55-Cs-142

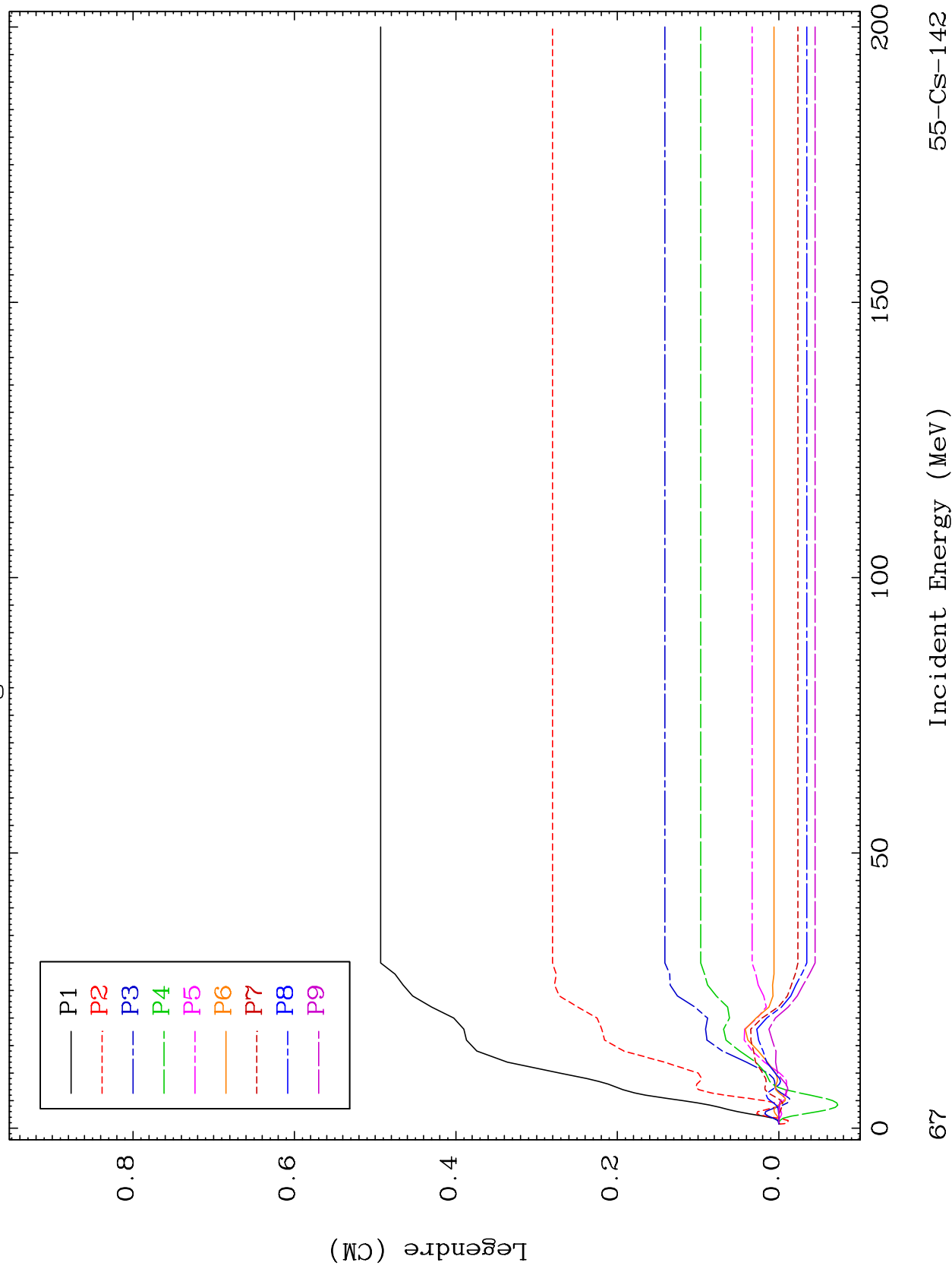


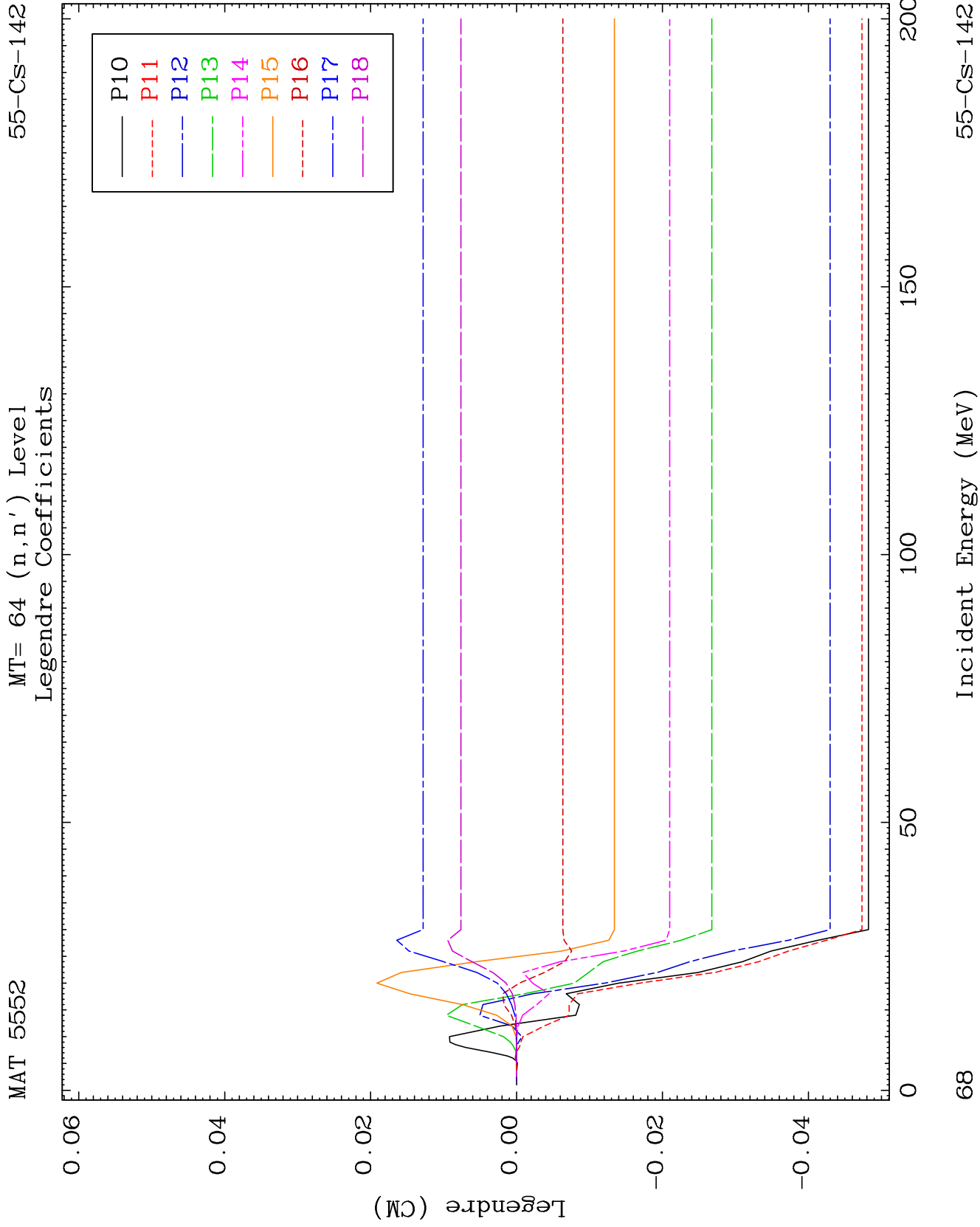


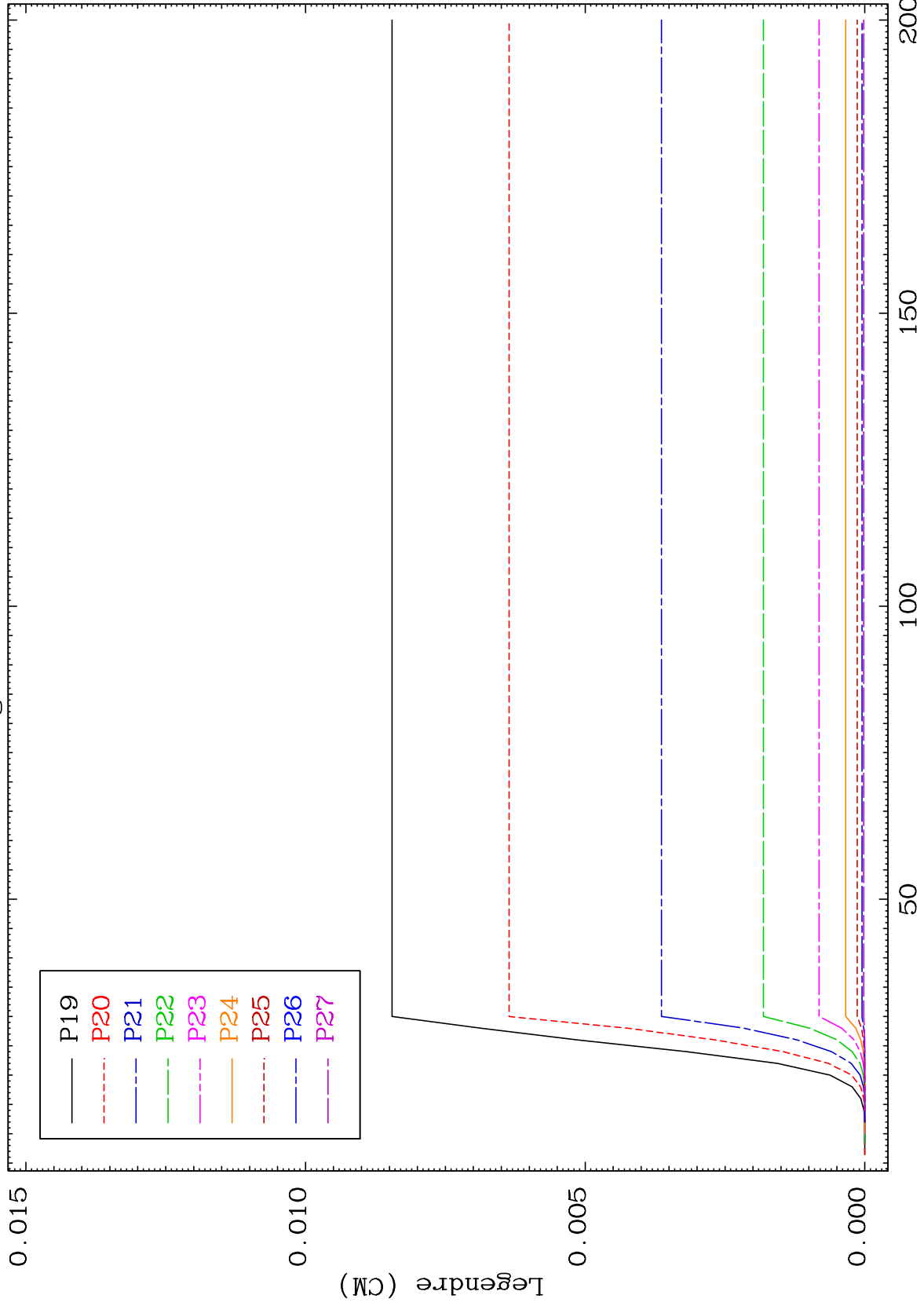
MAT 5552

MT= 64 (n, n') Level
Legendre Coefficients

55-CS-142



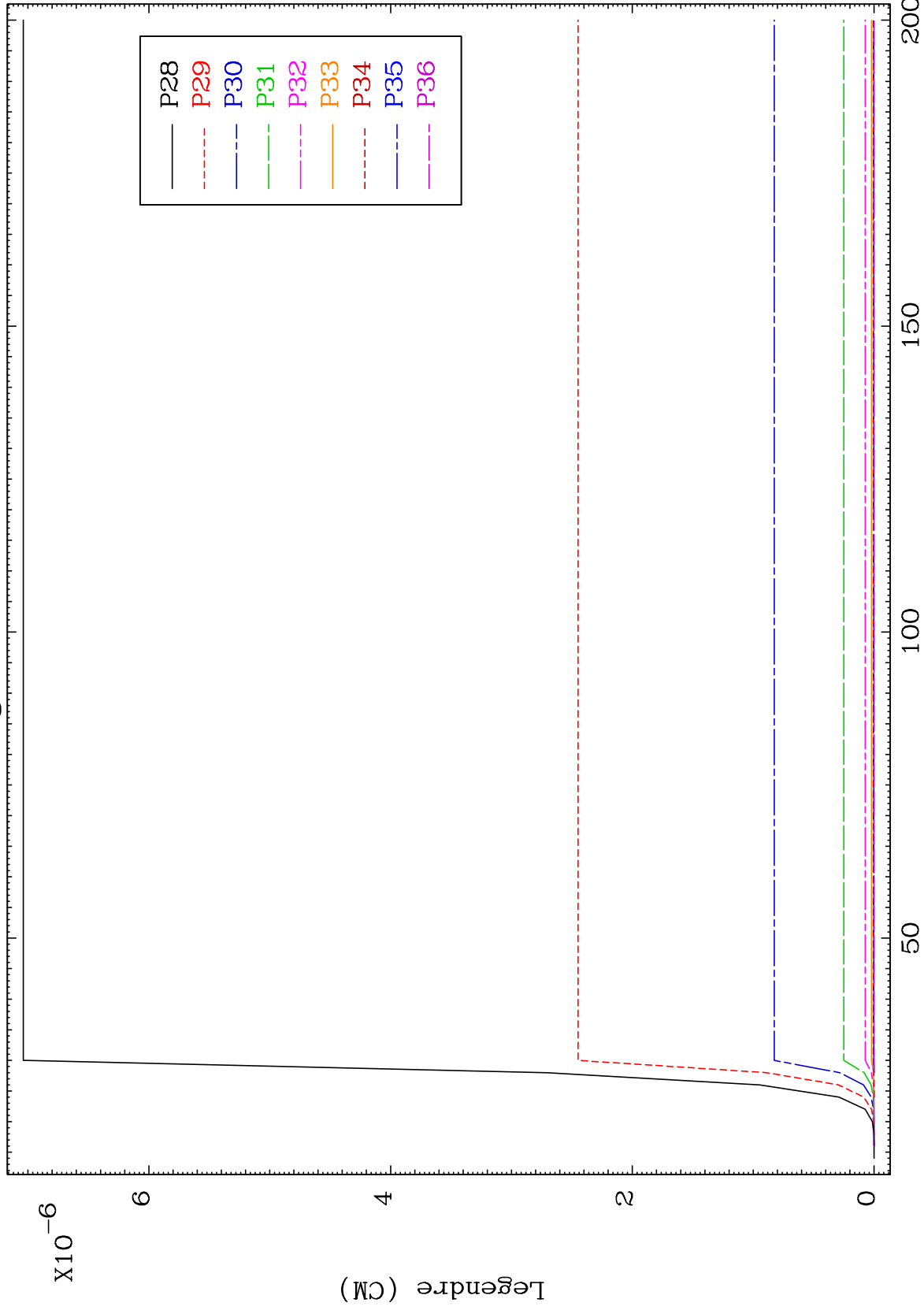




MAT 5552

MT= 64 (n,n') Level
Legendre Coefficients

55-Cs-142



70

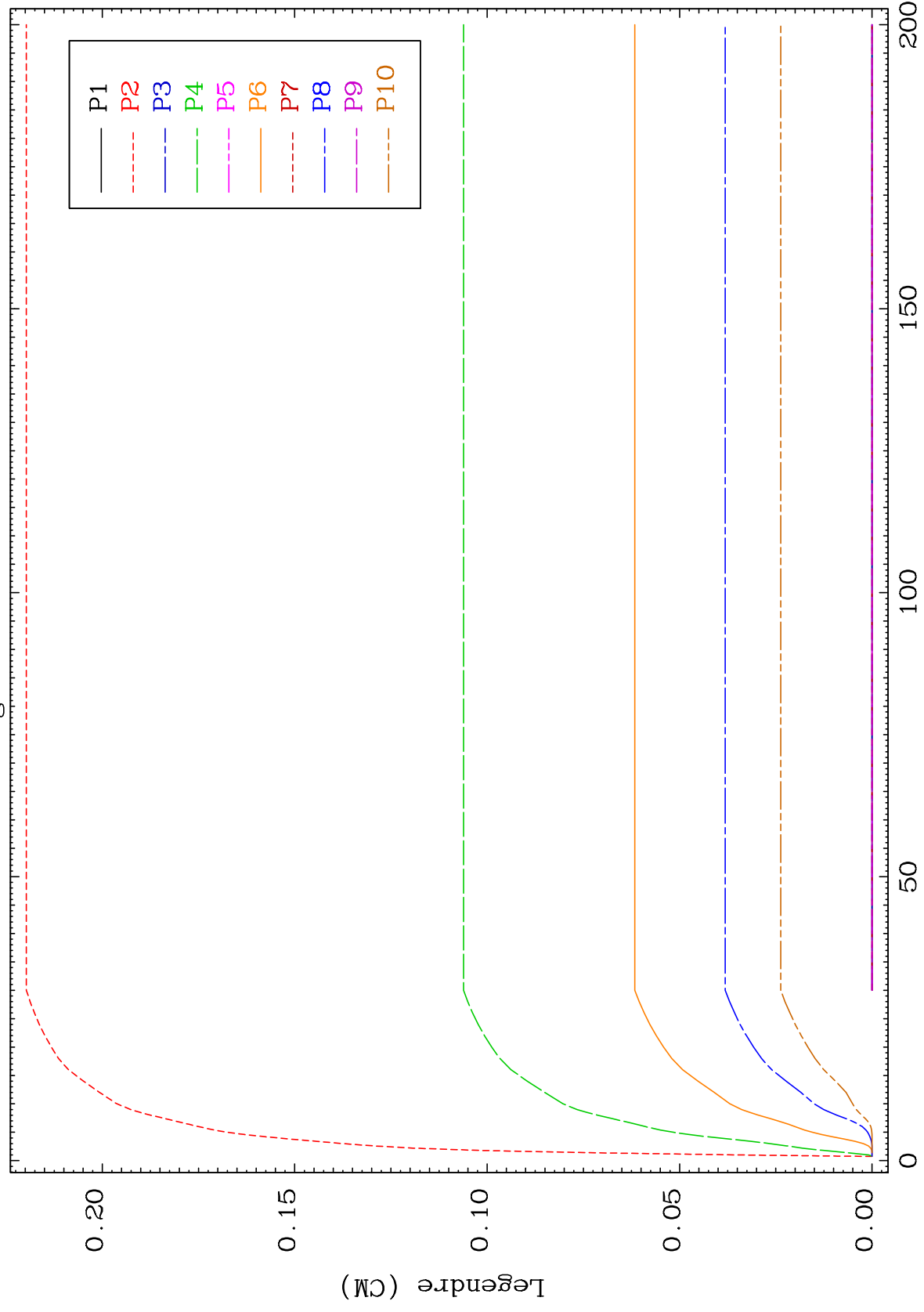
Incident Energy (MeV)

55-Cs-142

MAT 5552

MT= 65 (n, n') Level
Legendre Coefficients

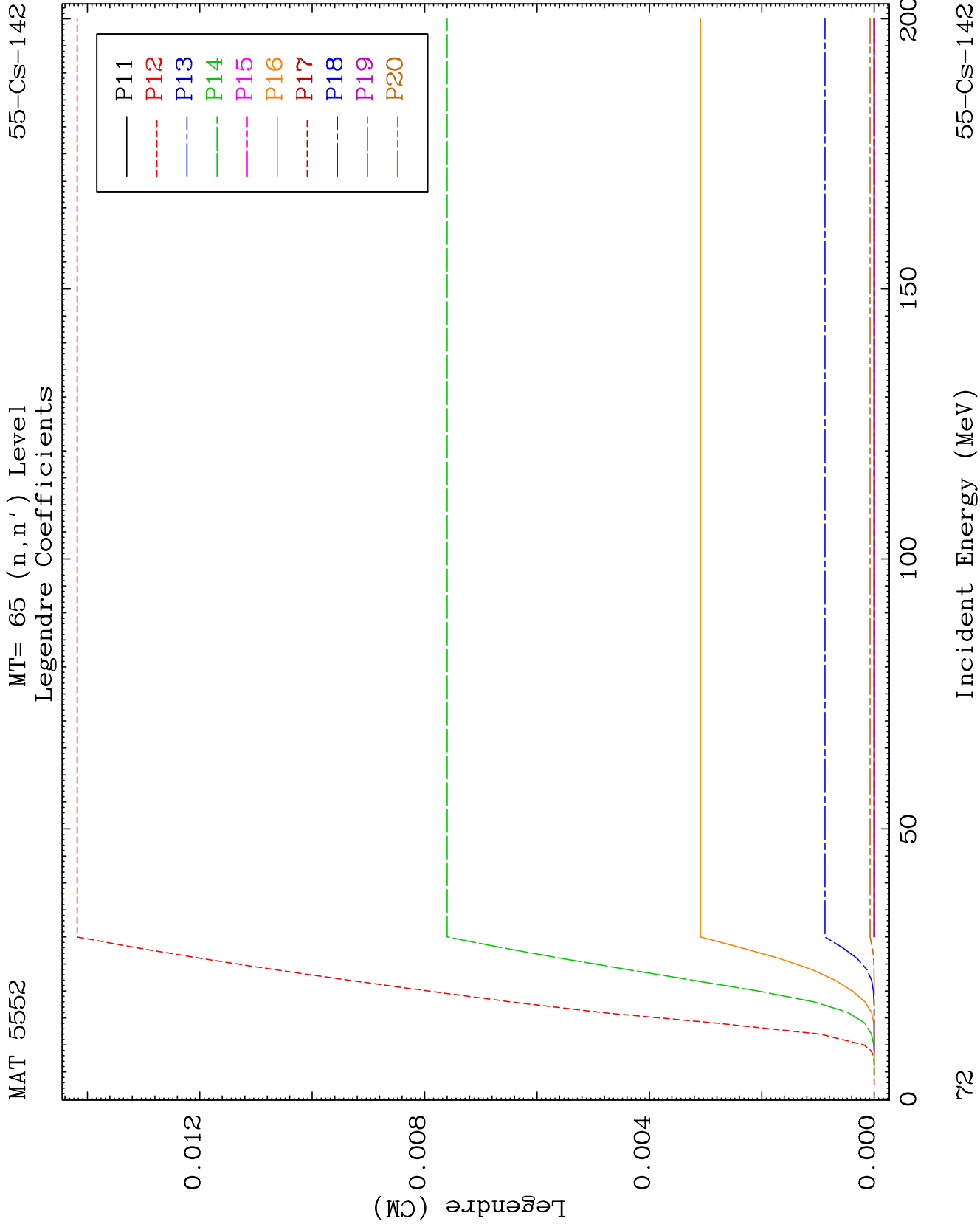
55-CS-142

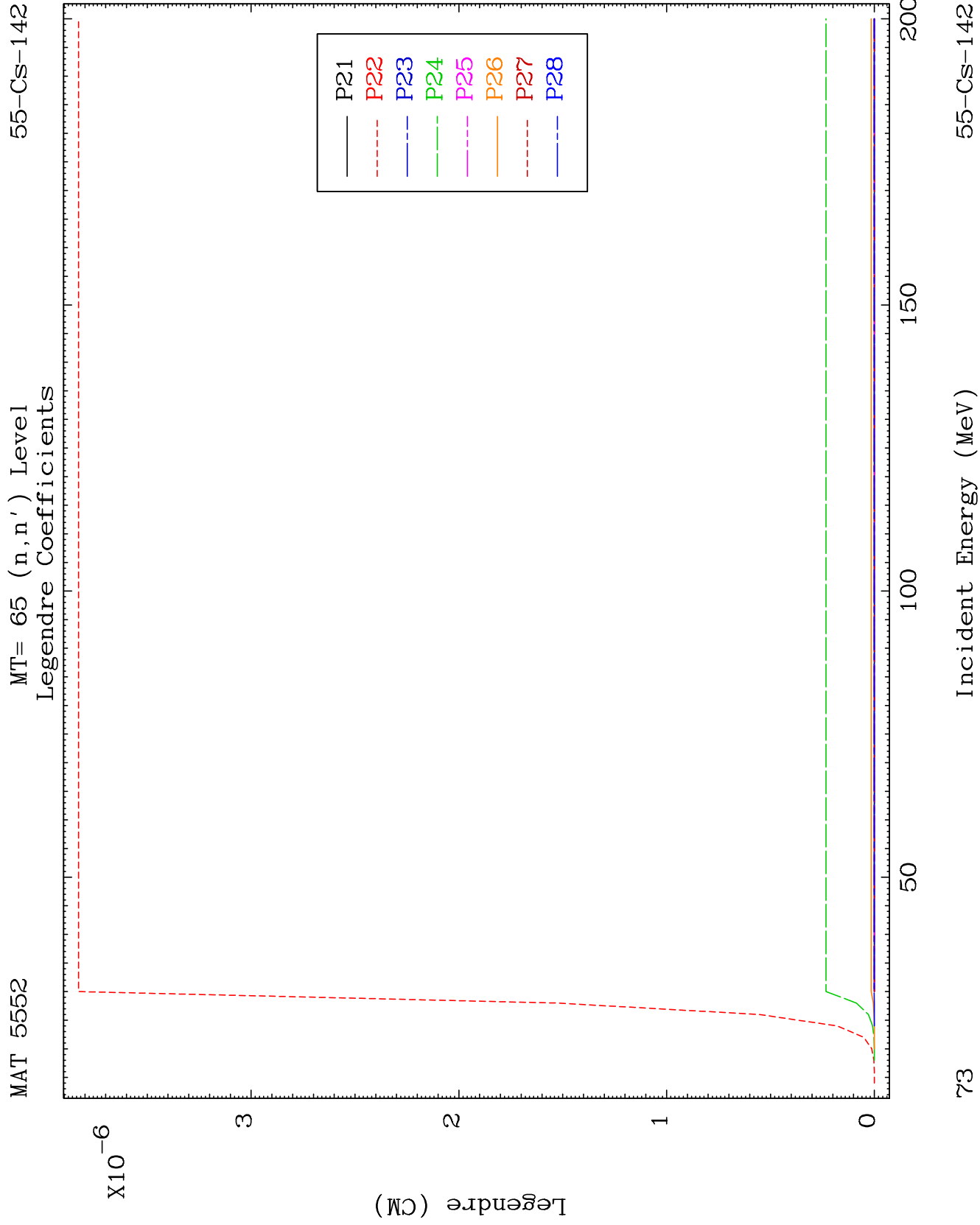


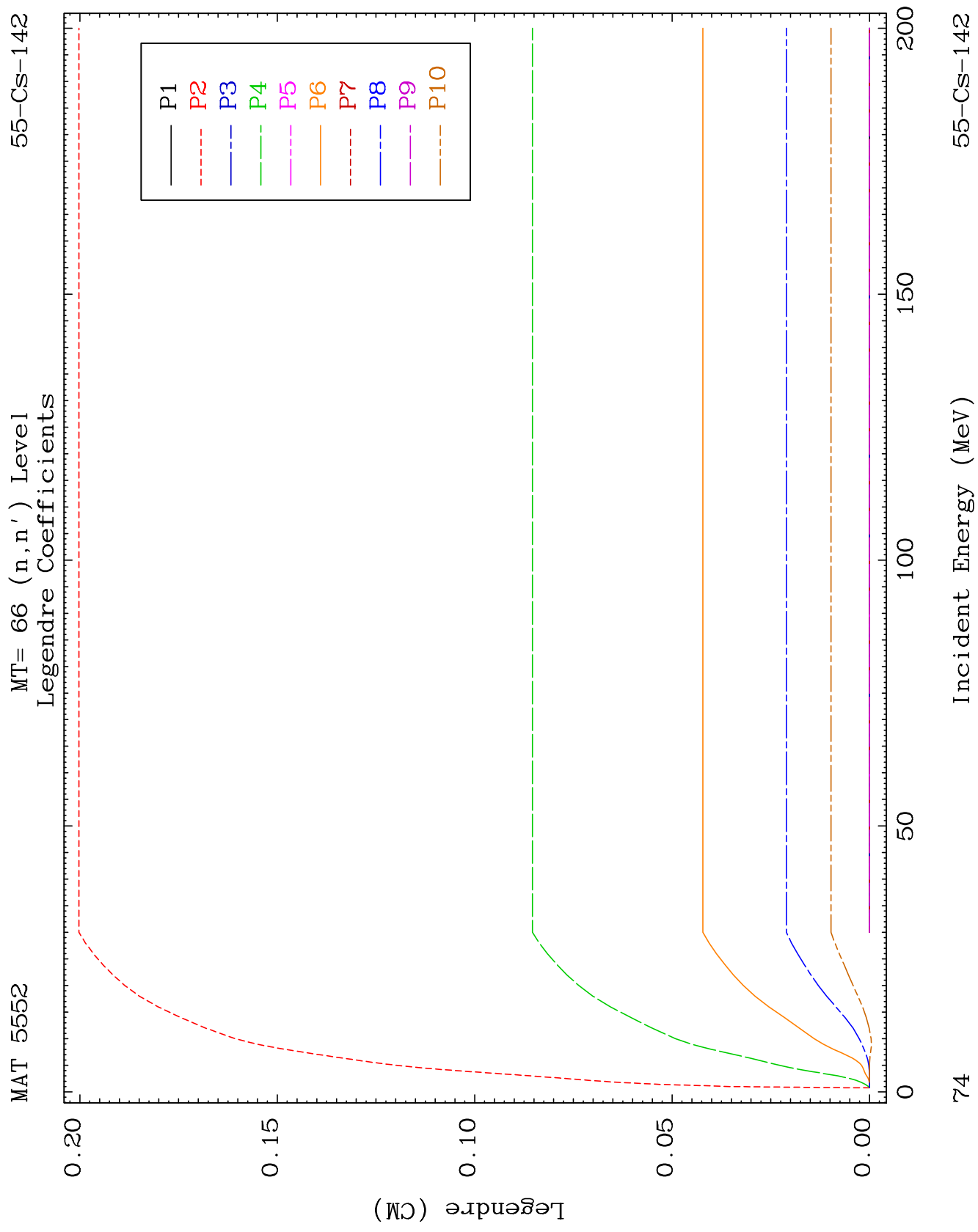
12

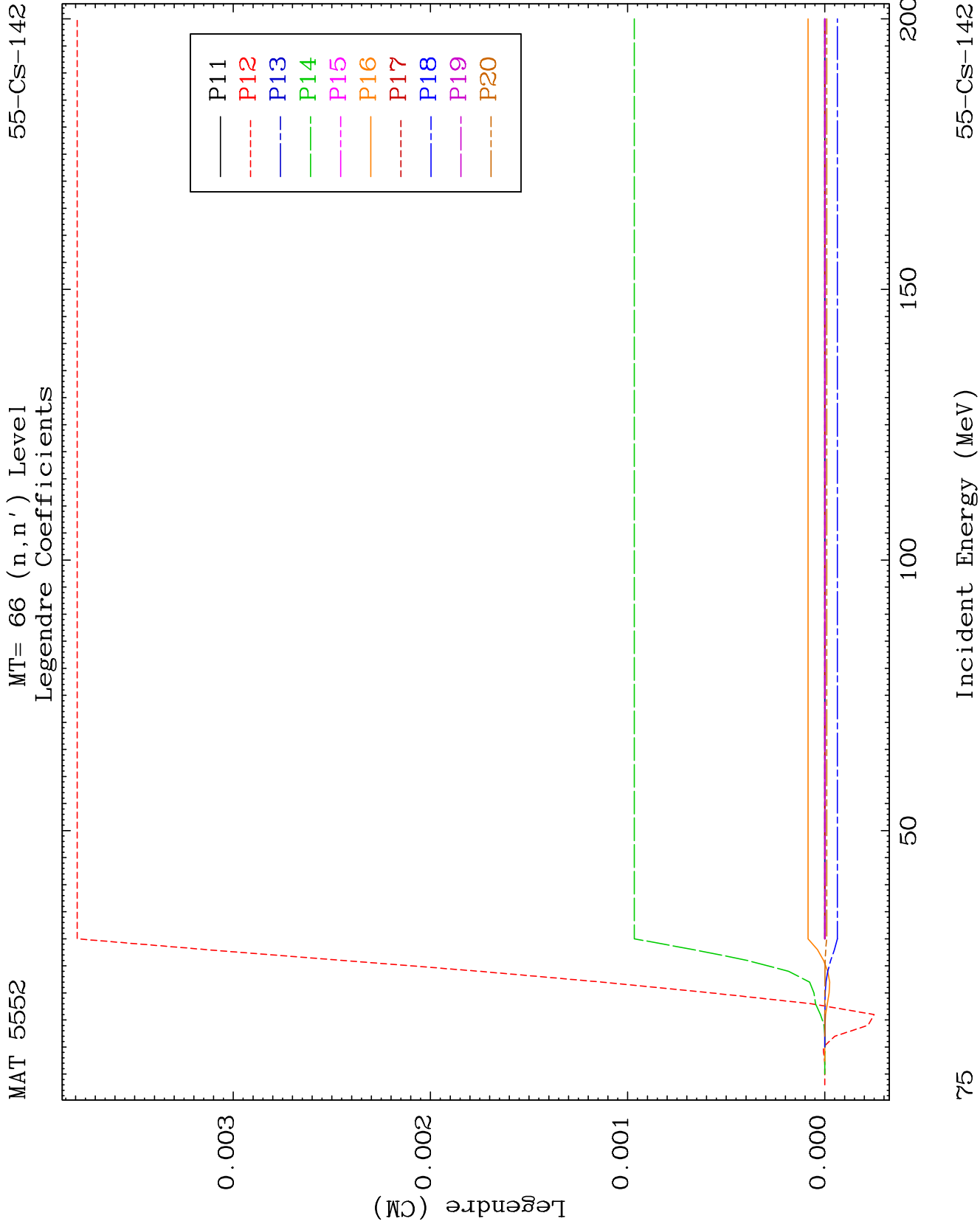
Incident Energy (MeV)

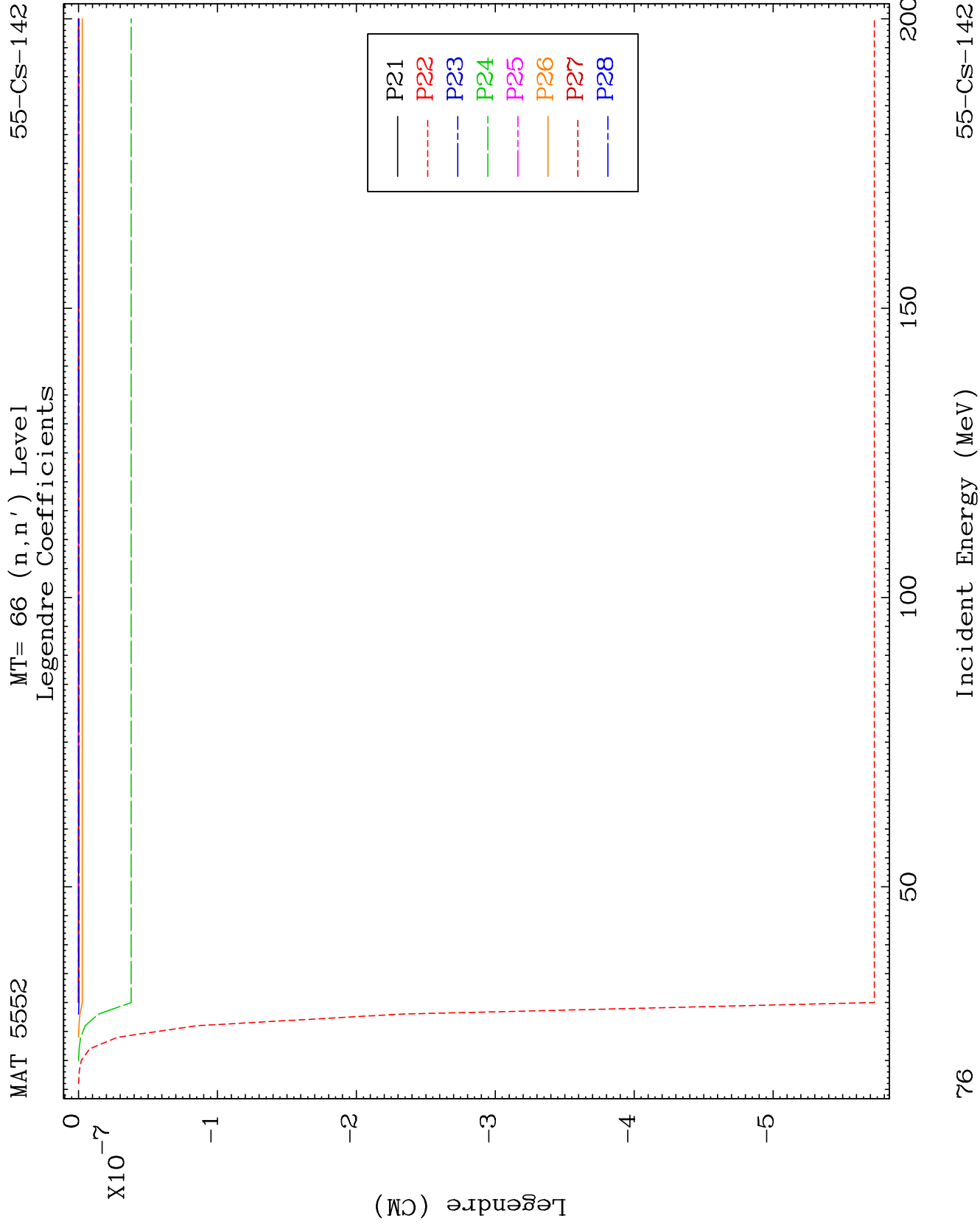
55-CS-142

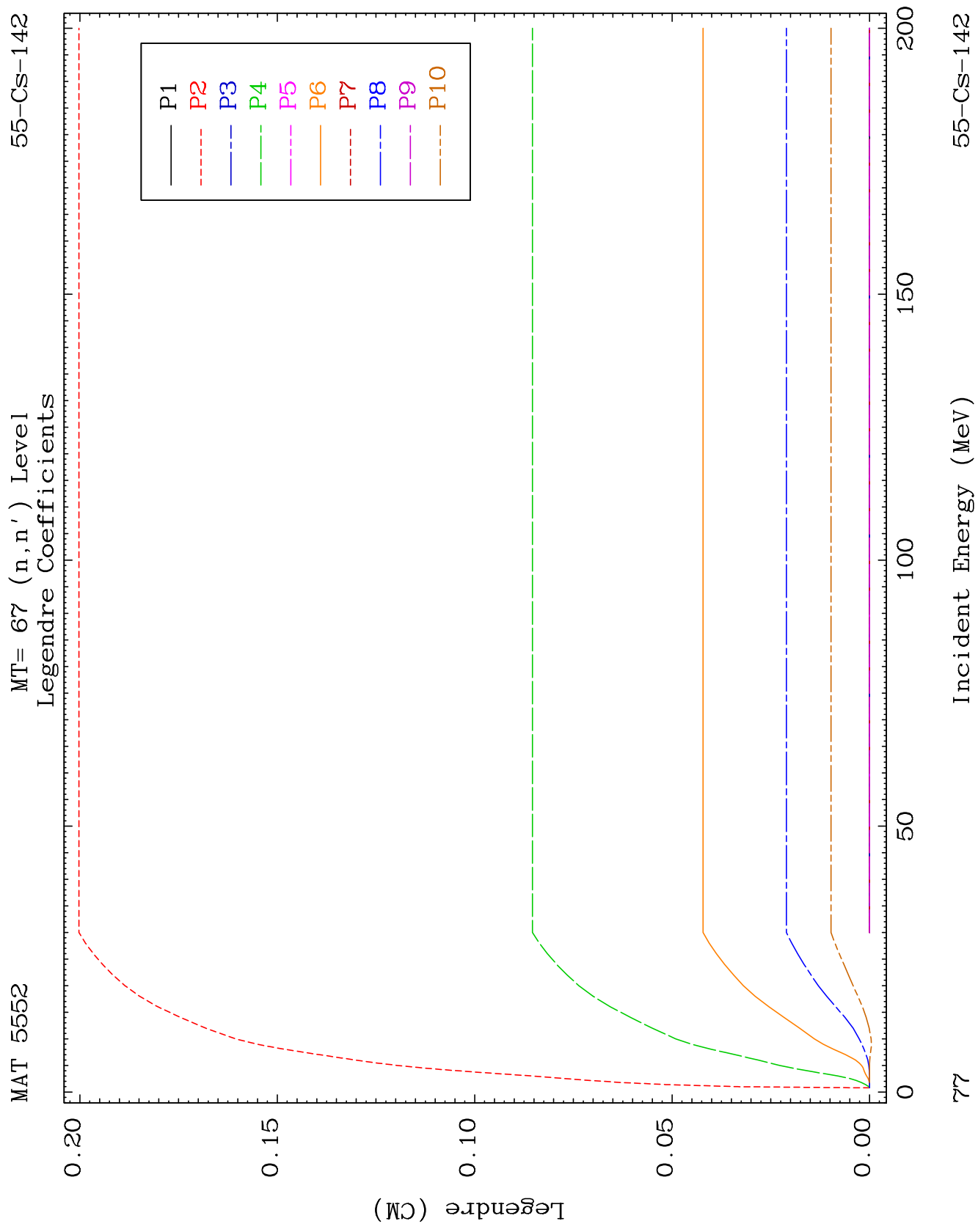


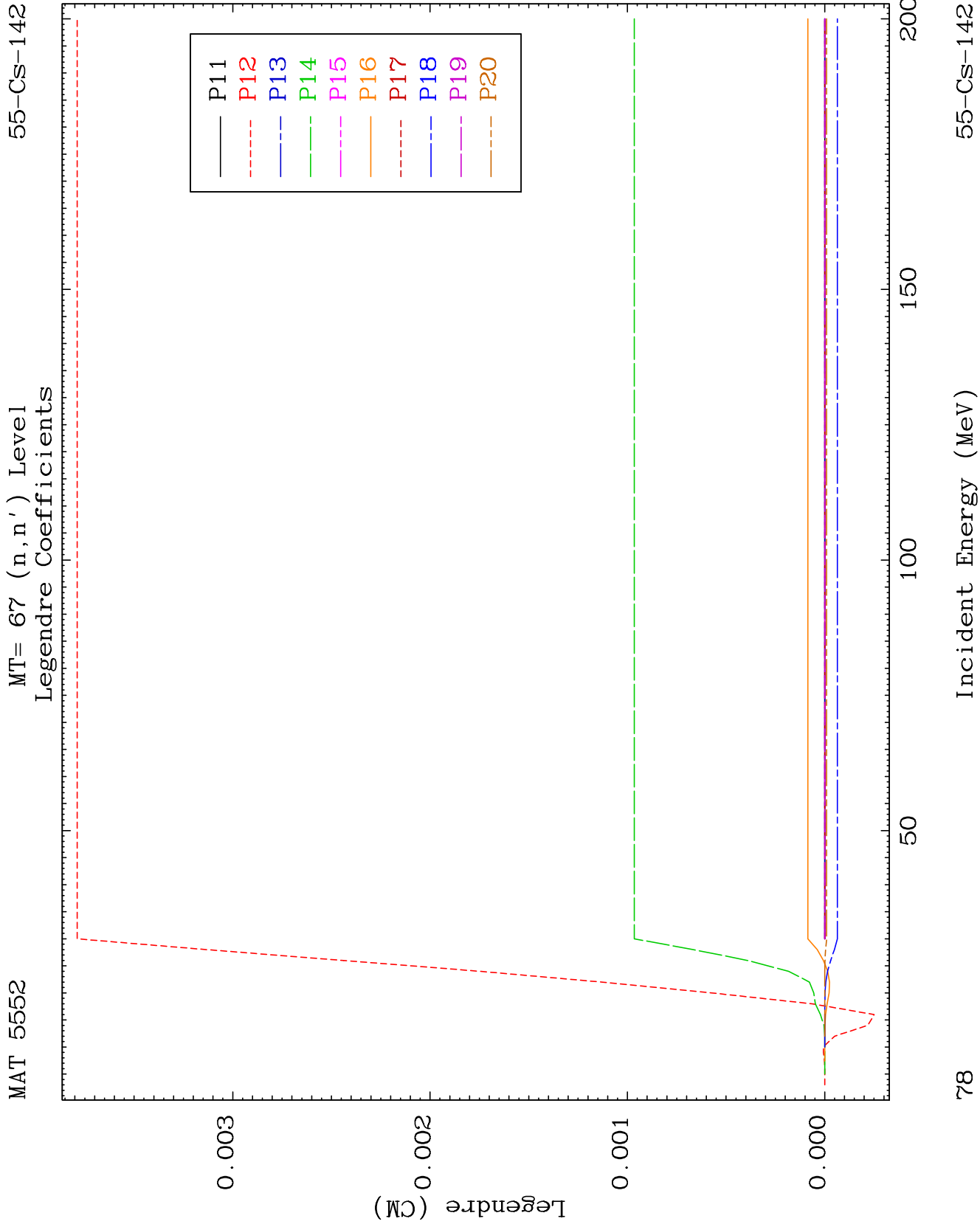


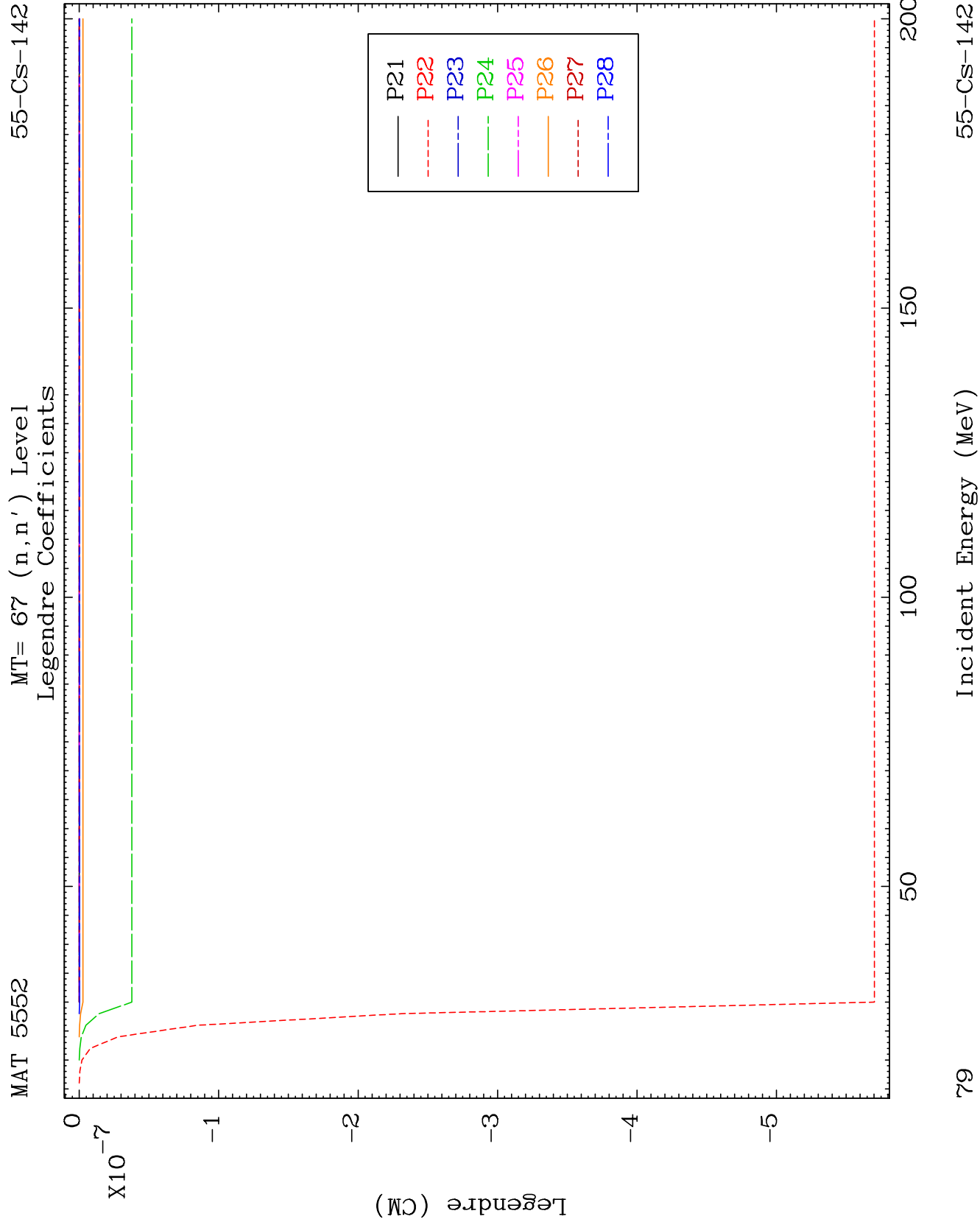








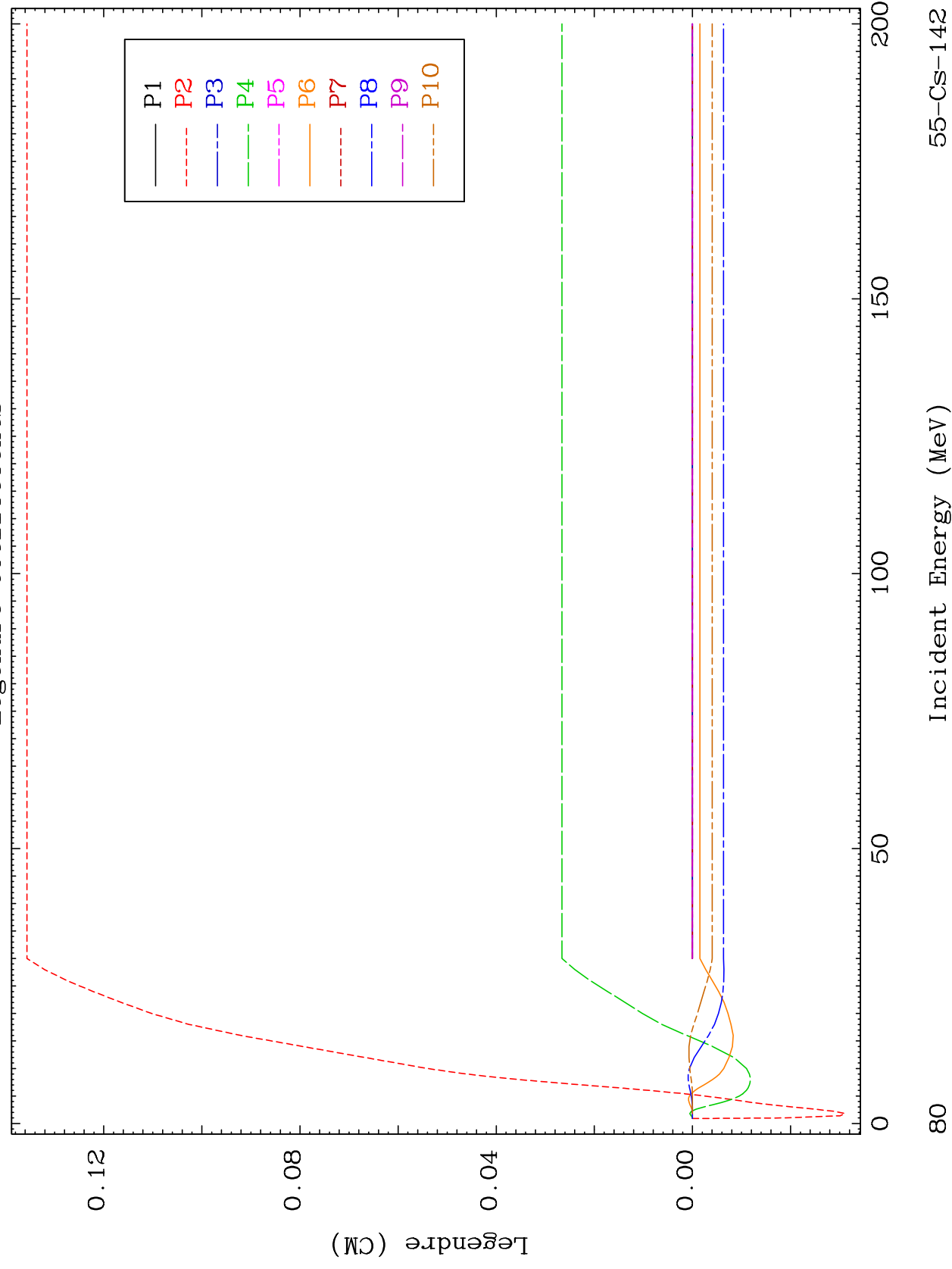


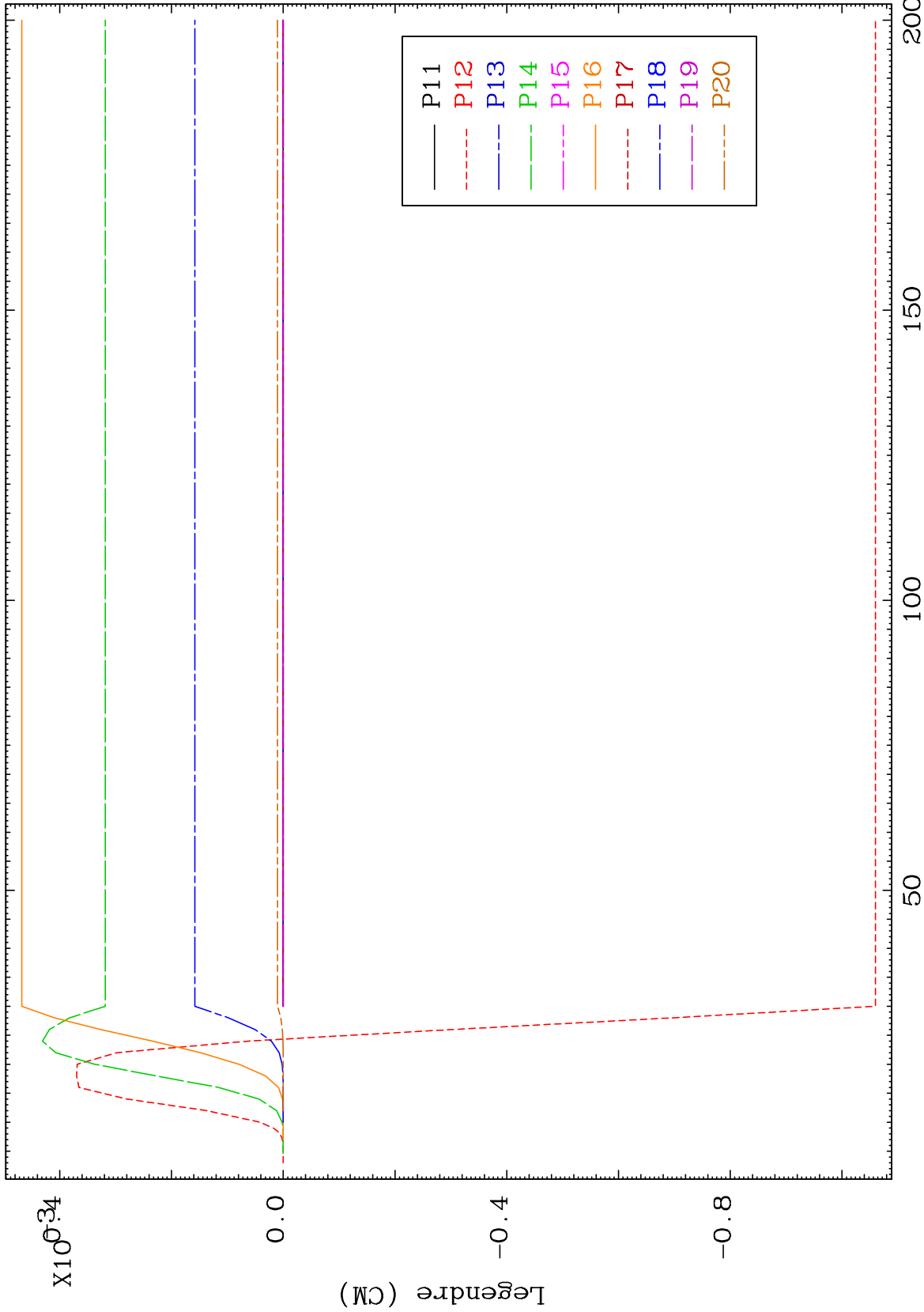


MAT 5552

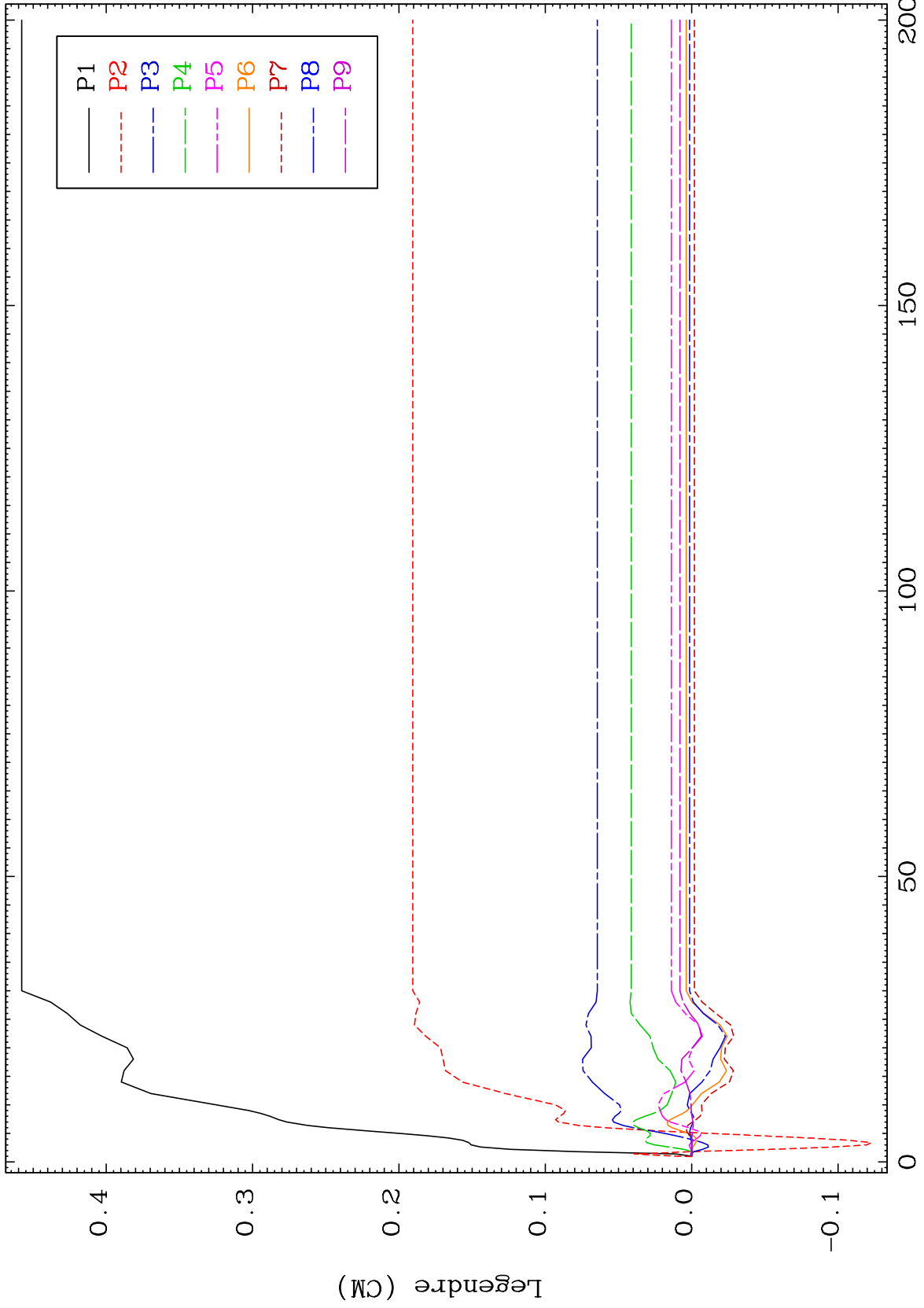
MT= 68 (n, n') Level
Legendre Coefficients

55-CS-142



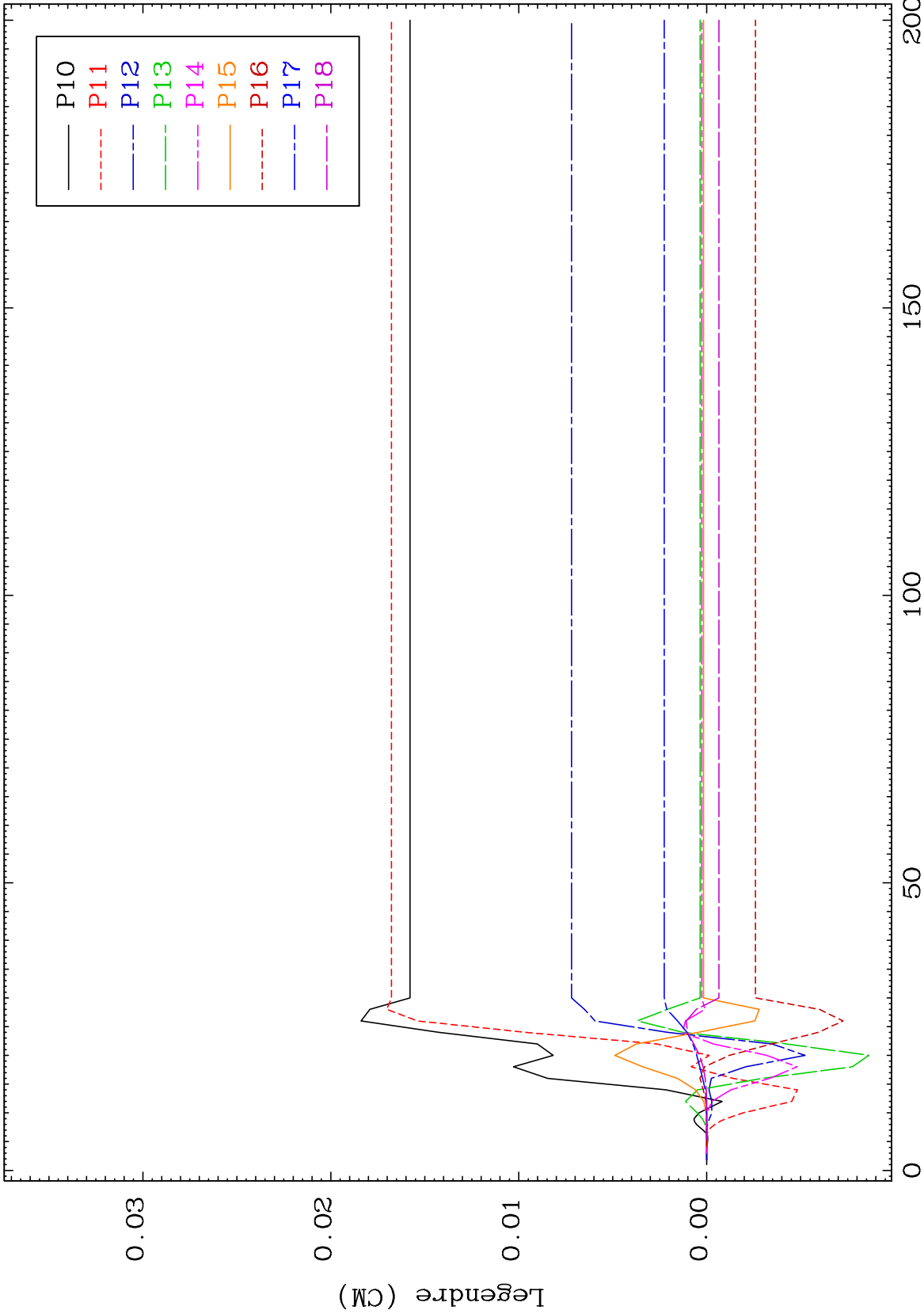


MAT 5552 MT= 69 (n,n') Level Legendre Coefficients 55-Cs-142



83 55-Cs-142

MAT 5552 MT= 69 (n,n') Level Legendre Coefficients 55-Cs-142

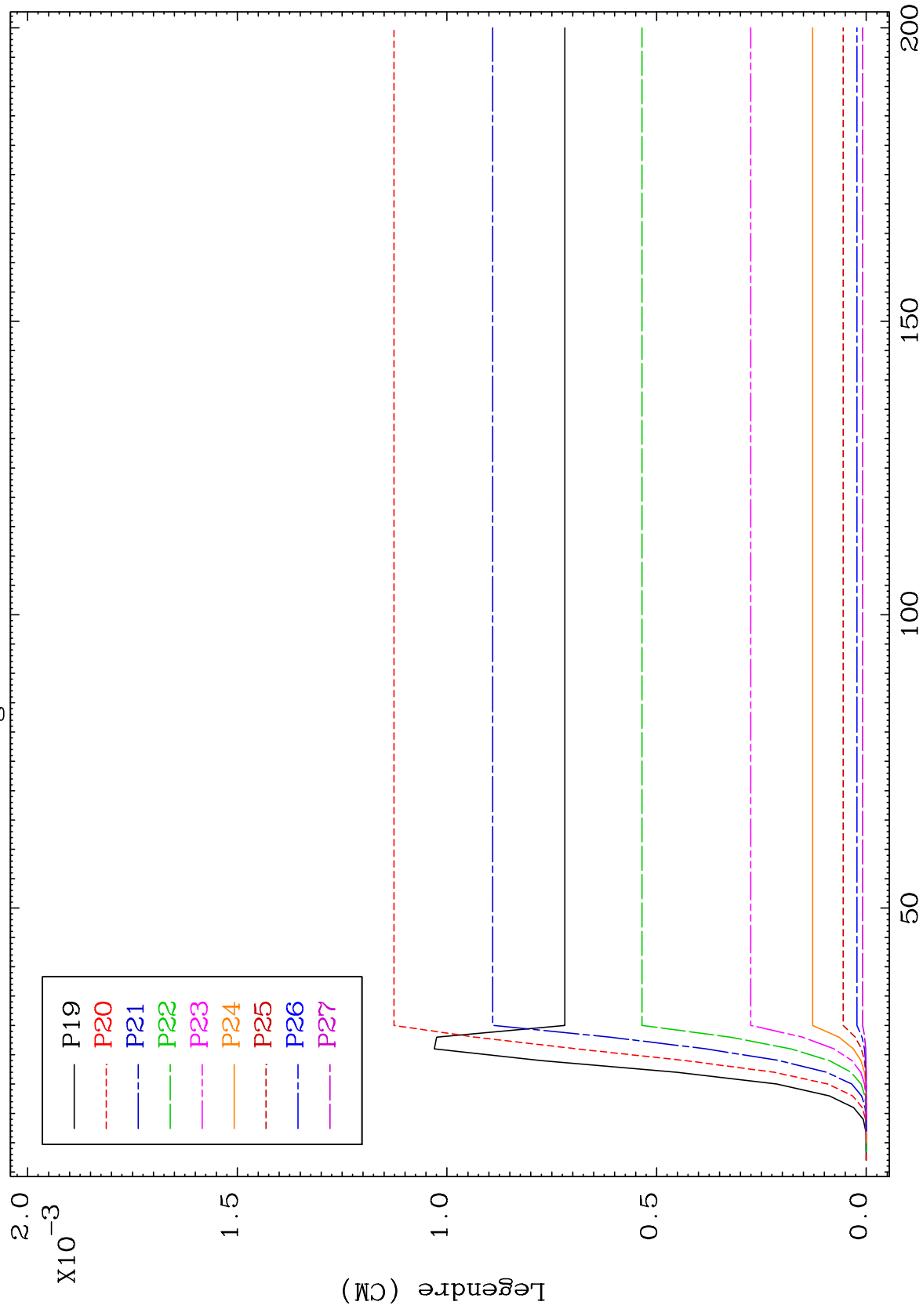


84 55-Cs-142

MAT 5552

MT= 69 (n, n') Level
Legendre Coefficients

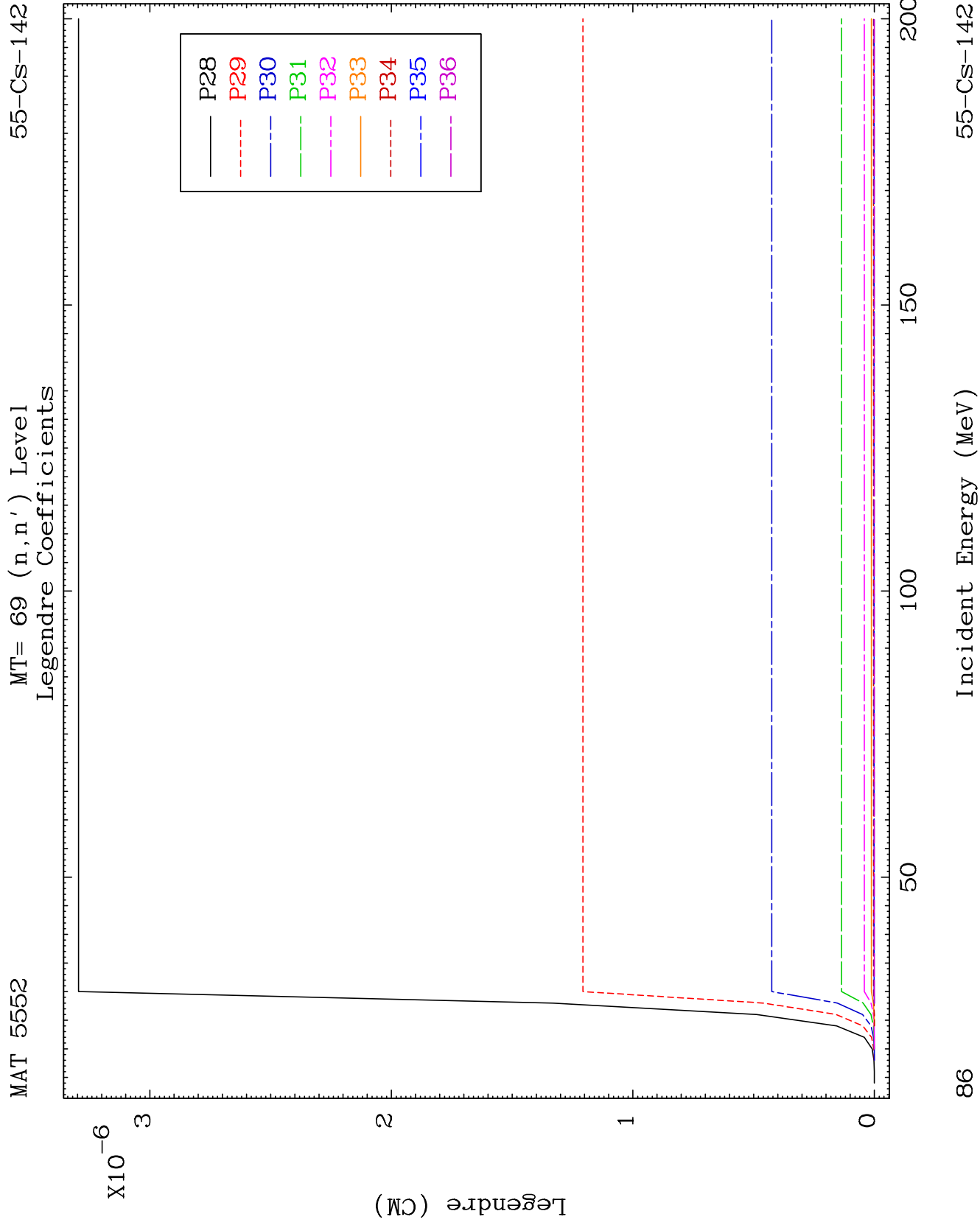
55-CS-142

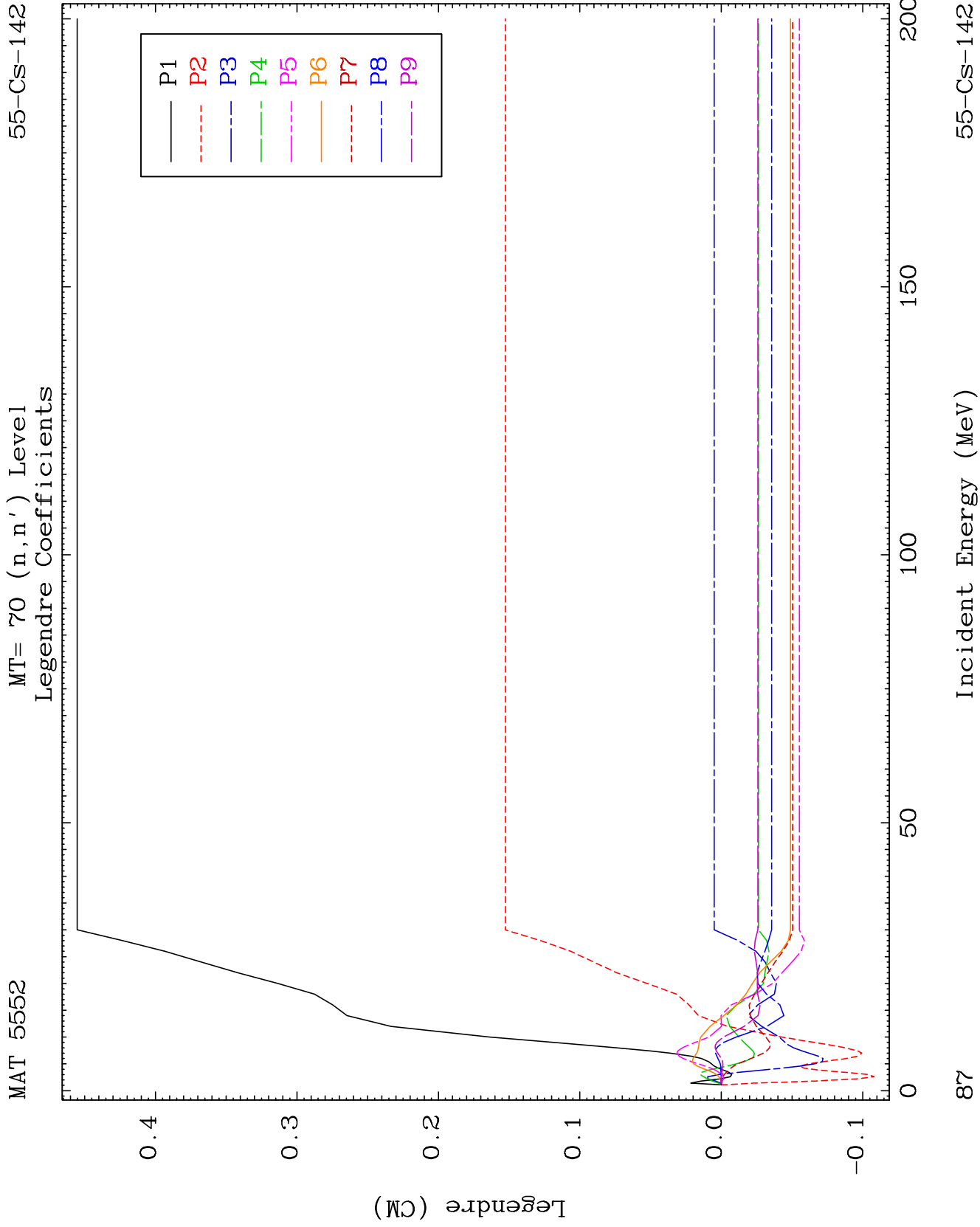


58

Incident Energy (MeV)

55-Cs-142

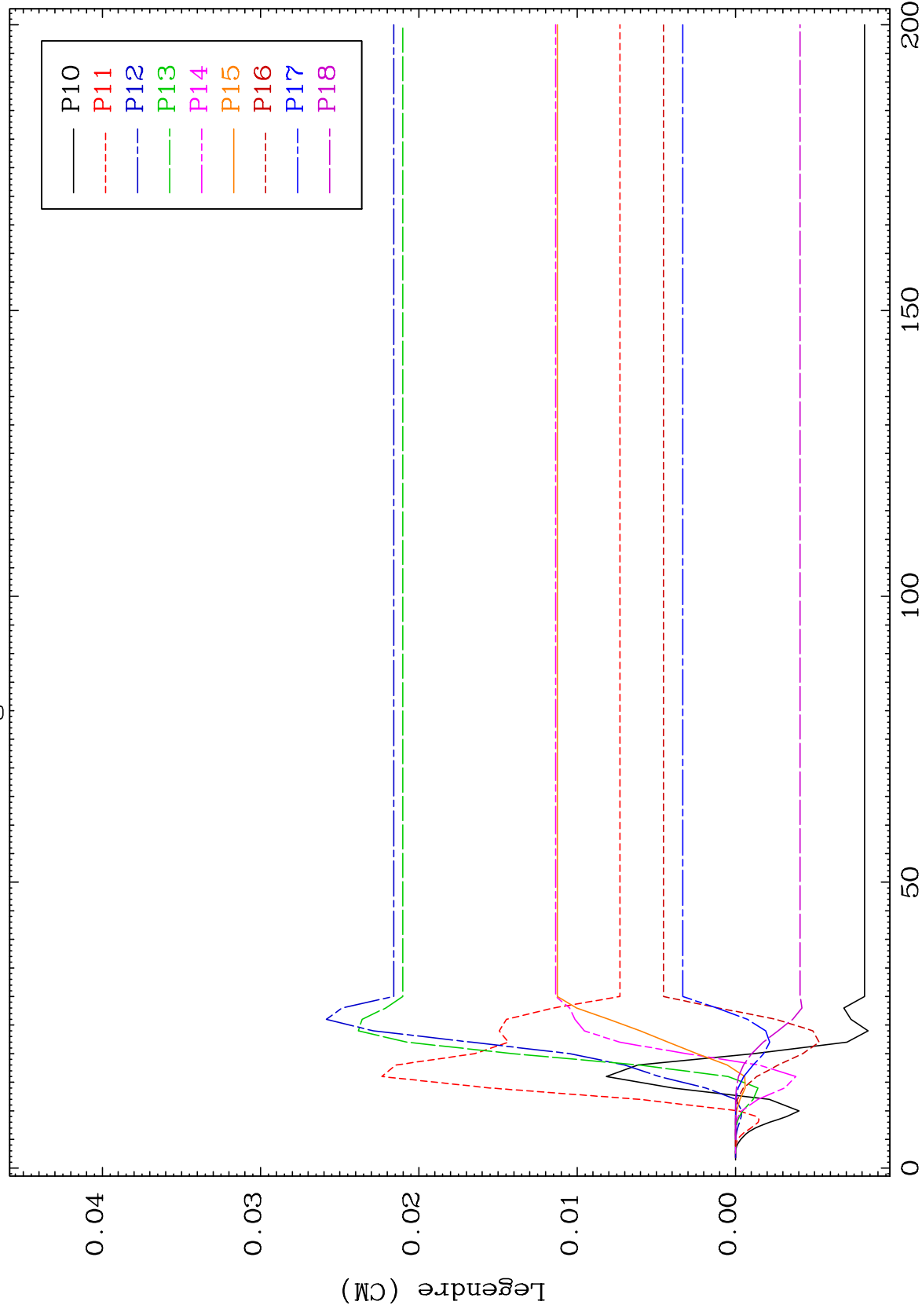




MAT 5552

MT= 70 (n, n') Level
Legendre Coefficients

55-CS-142



88

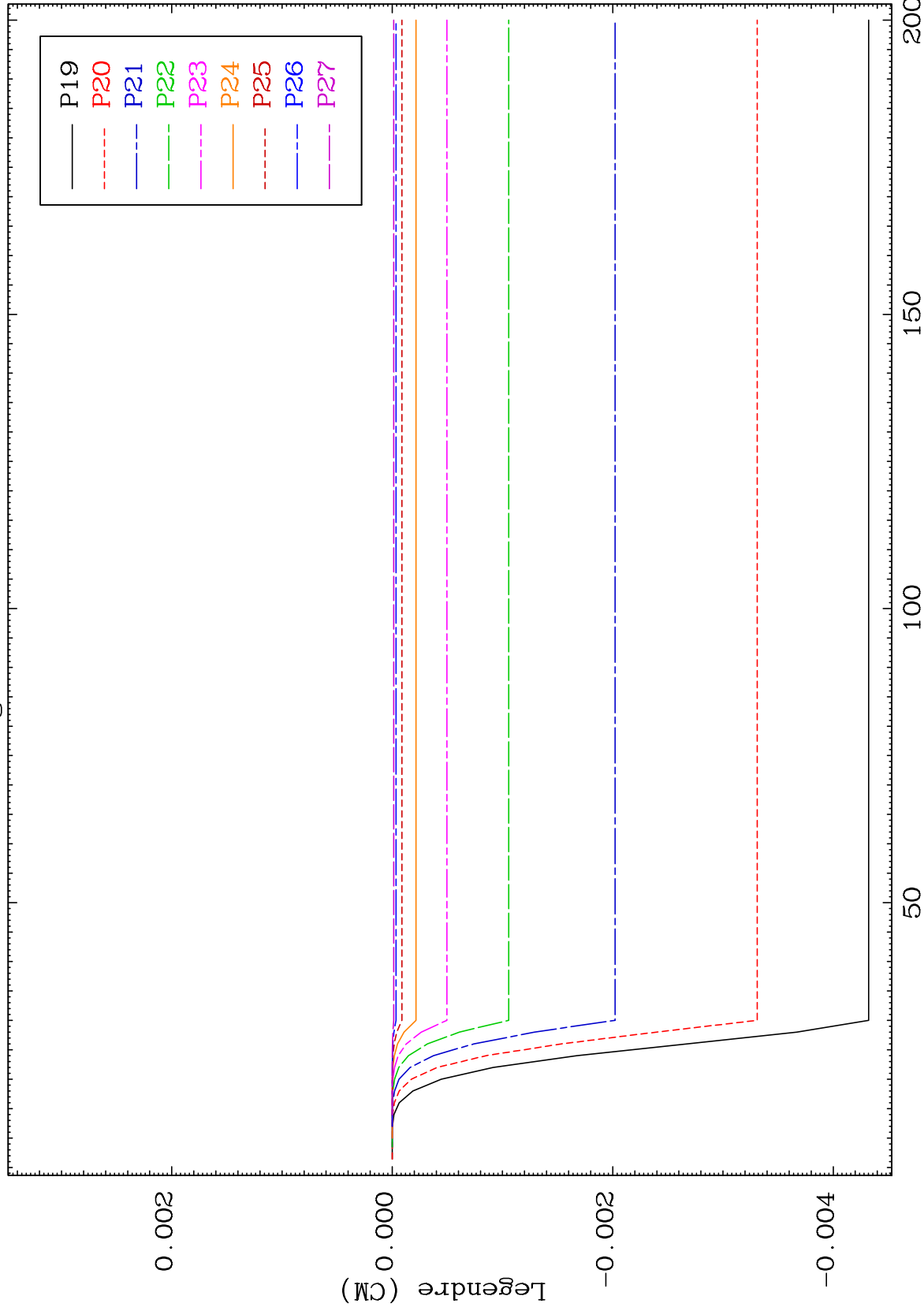
Incident Energy (MeV)

55-CS-142

MAT 5552

MT= 70 (n,n') Level
Legendre Coefficients

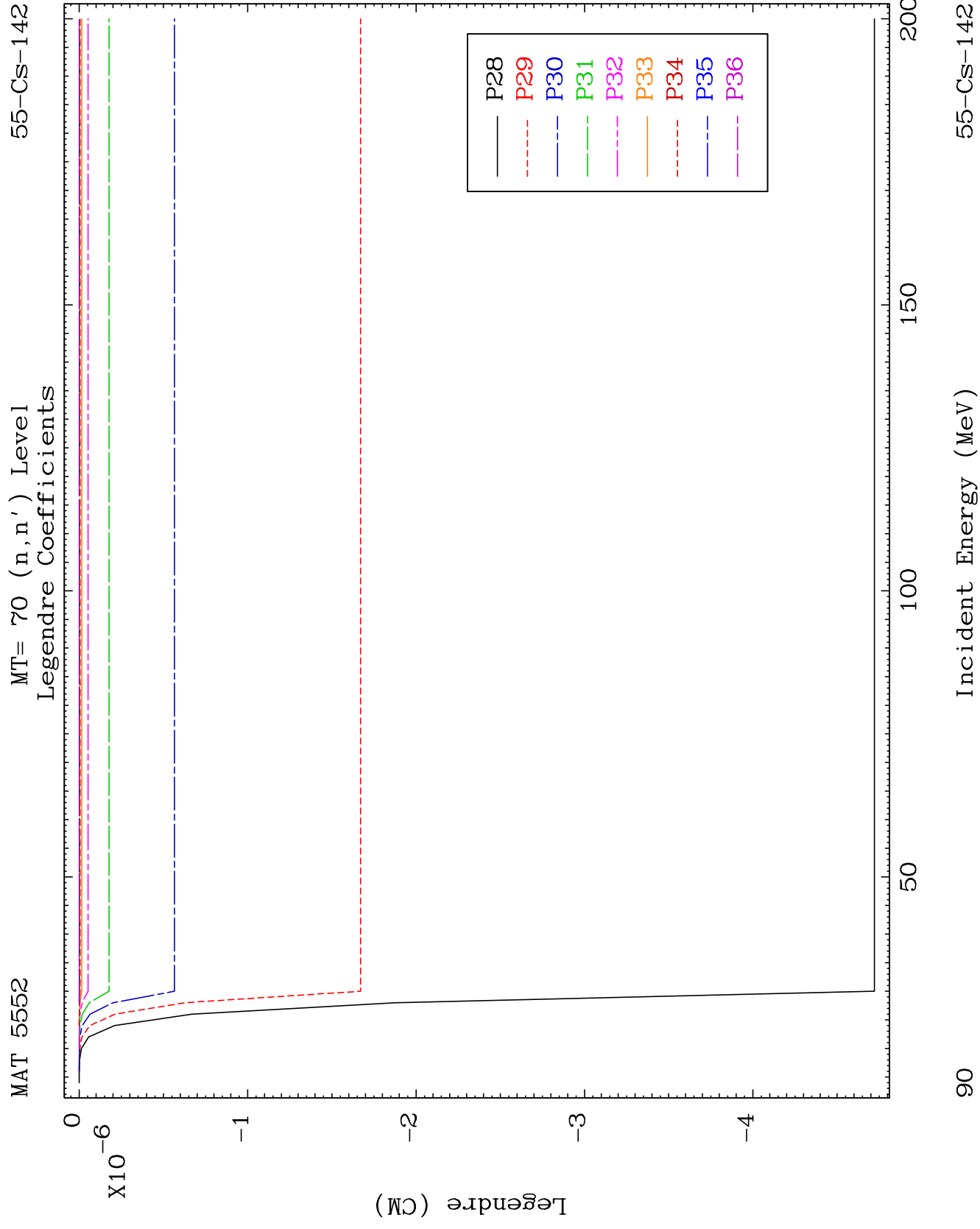
55-Cs-142



89

Incident Energy (MeV)

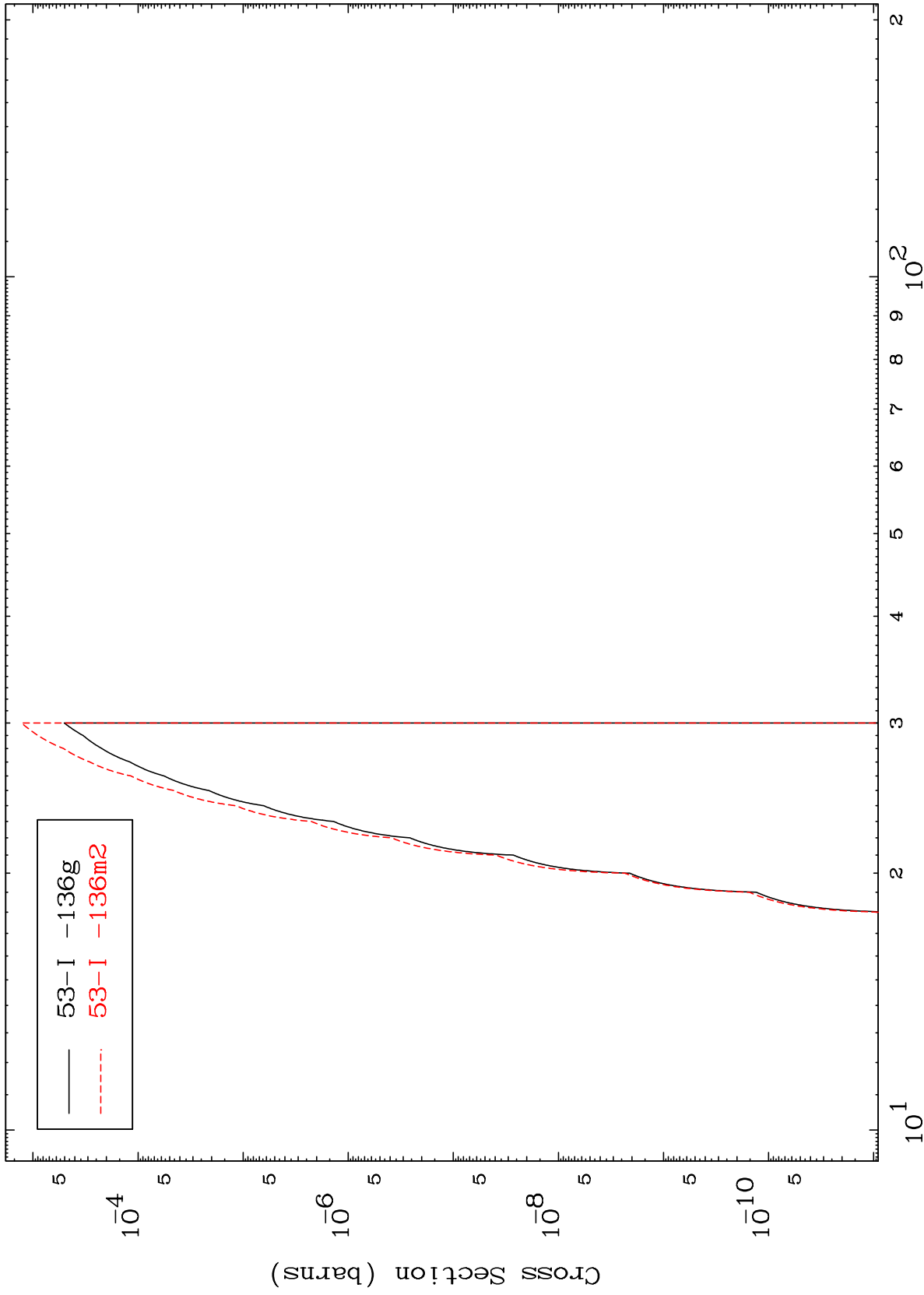
55-Cs-142



MAT 5552

55-Cs-142

$(n,3n) \alpha$
Radionuclide Production Cross Section



91

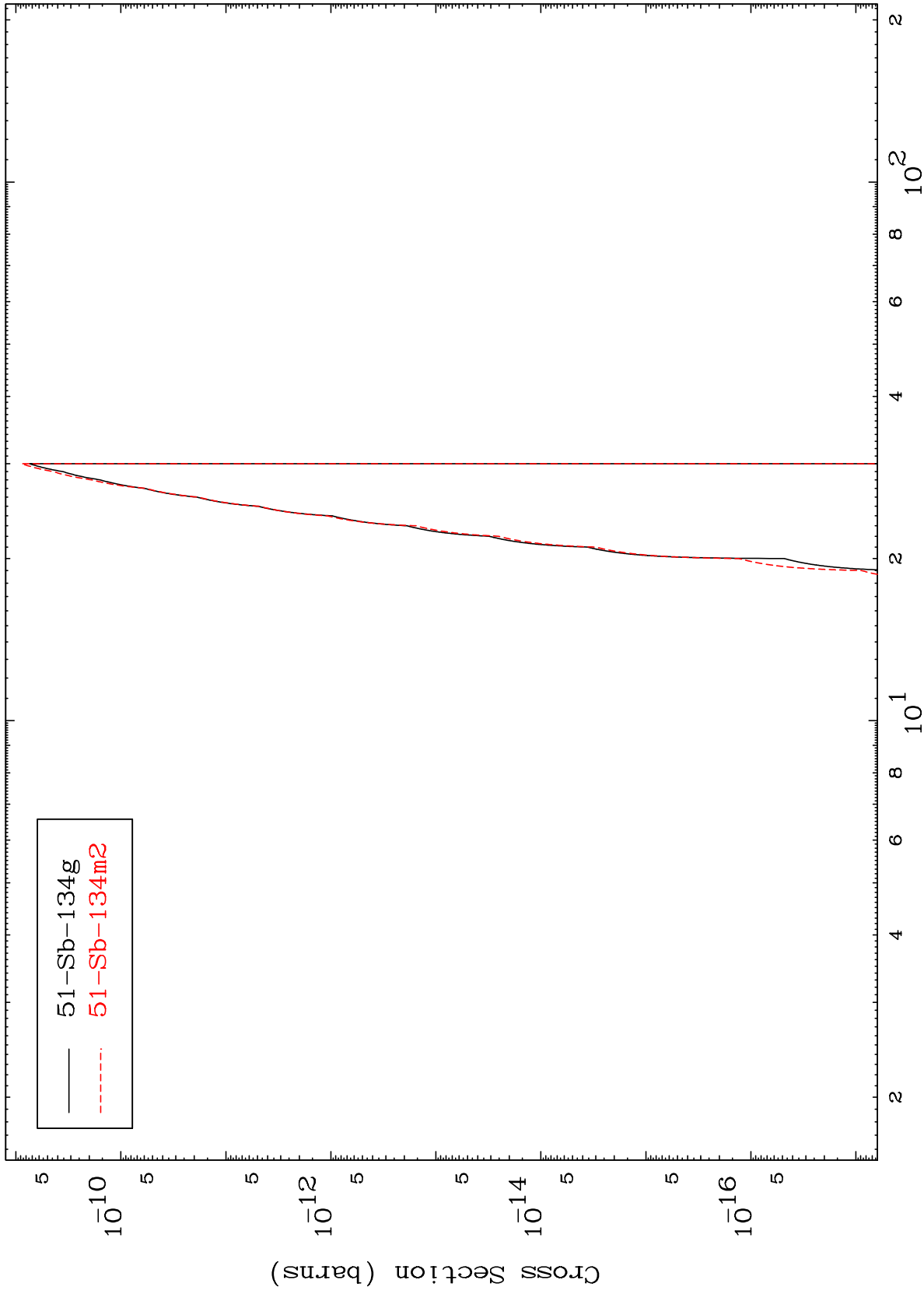
Incident Energy (MeV)

55-Cs-142

MAT 5552

55-Cs-142

(n,n') 2α
Radionuclide Production Cross Section



92

Incident Energy (MeV)

55-Cs-142