

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

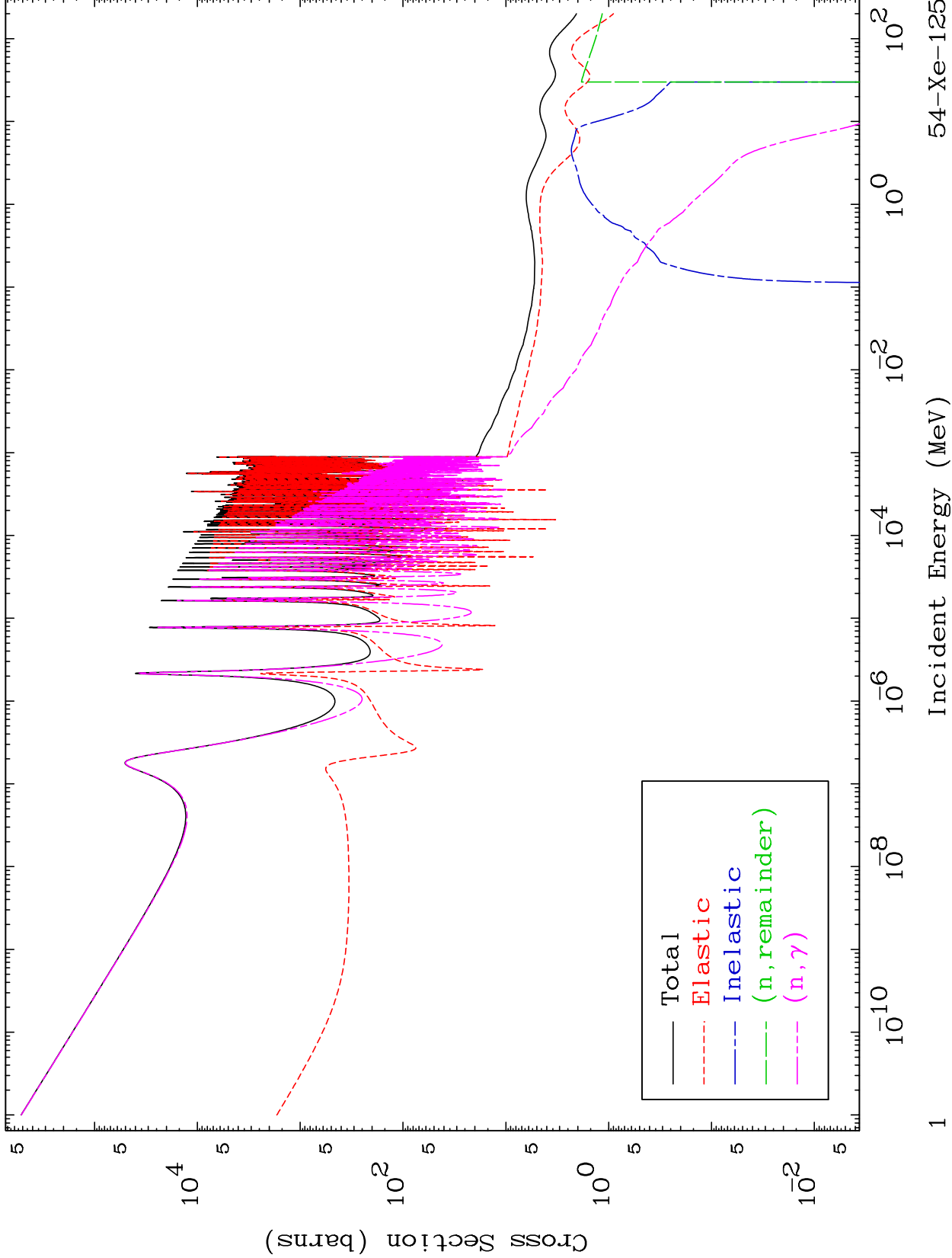
Press Mouse Button to Start

MAT 5428

Major

293 Kelvin Cross Sections

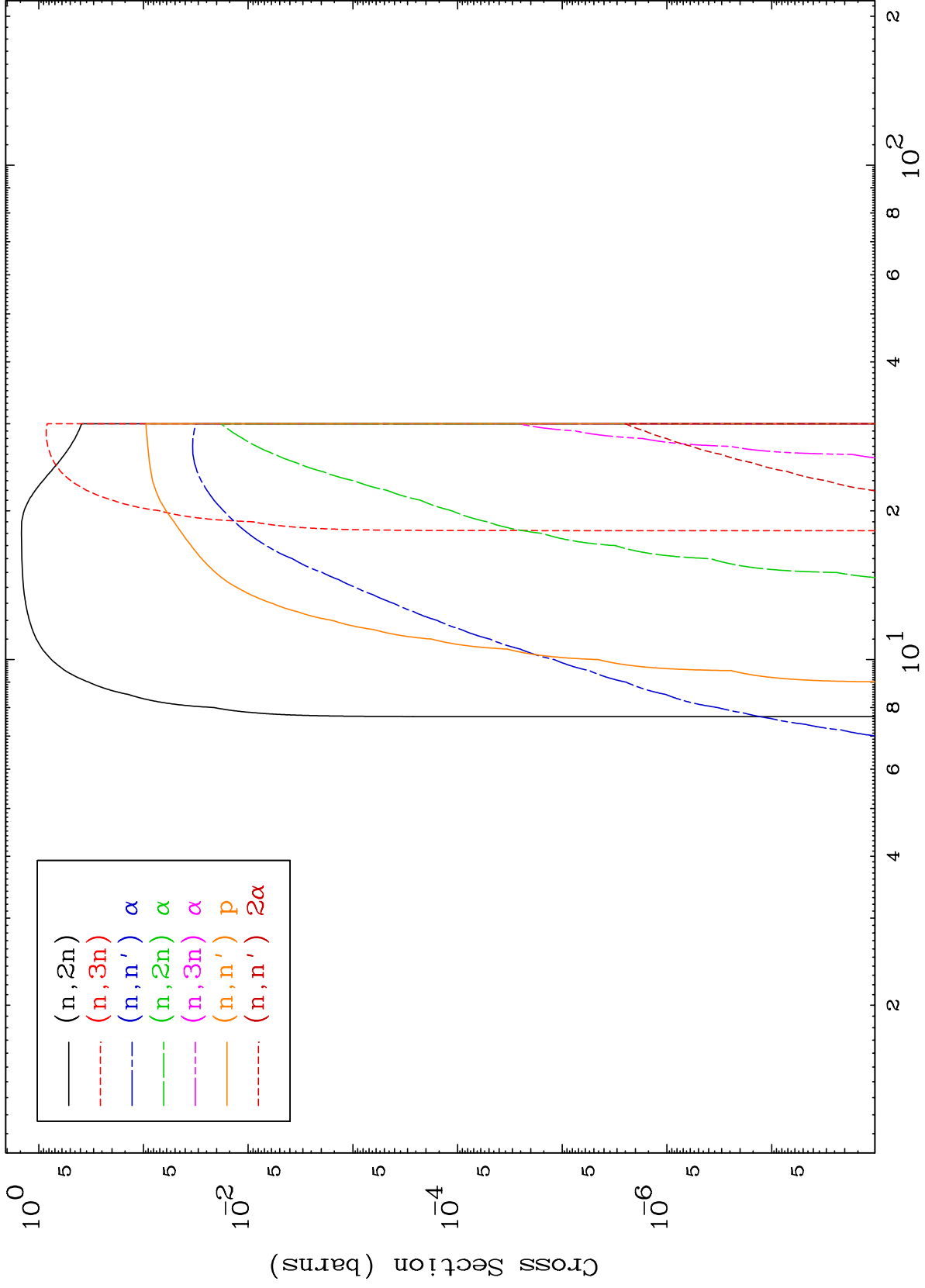
54-Xe-125

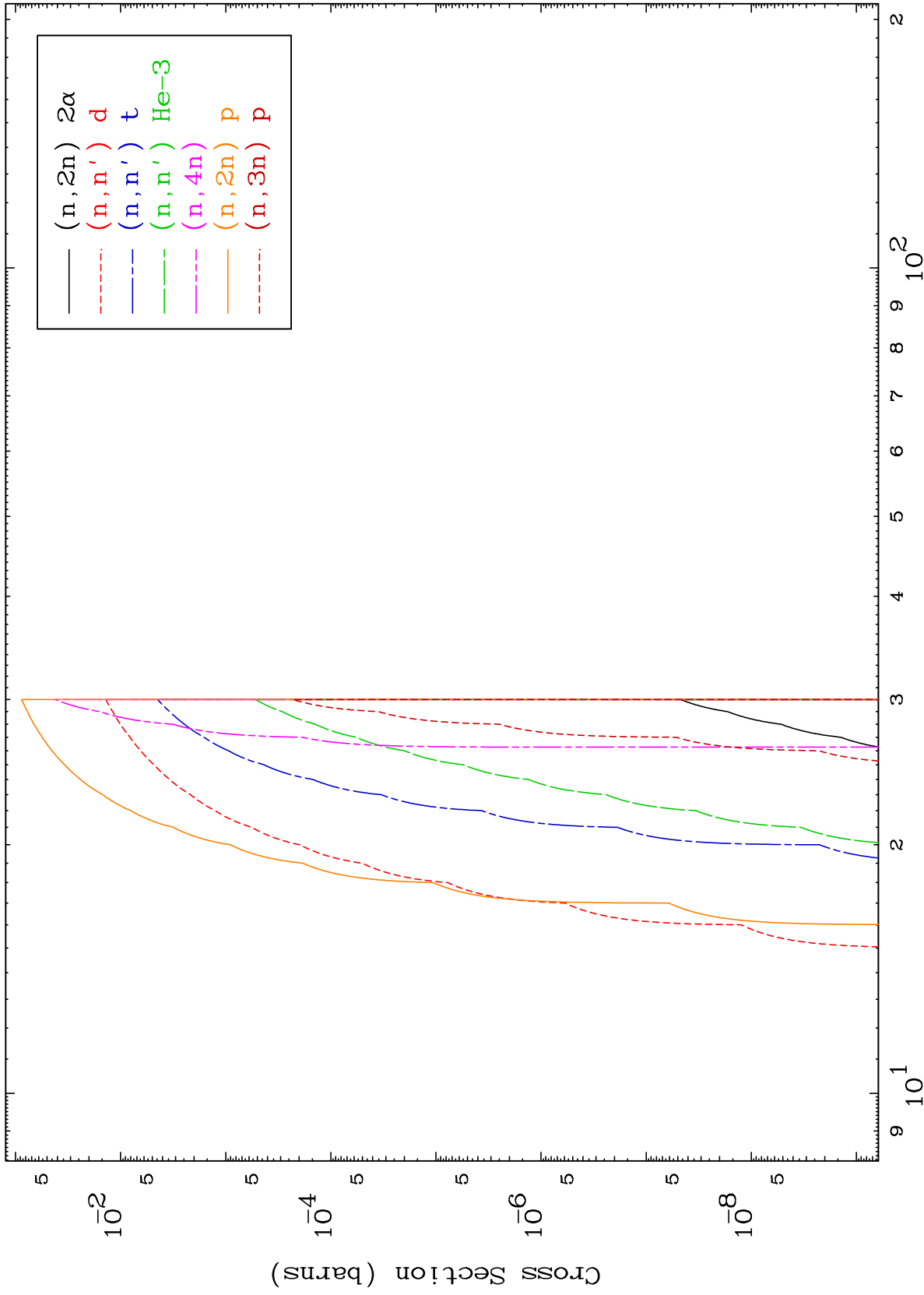


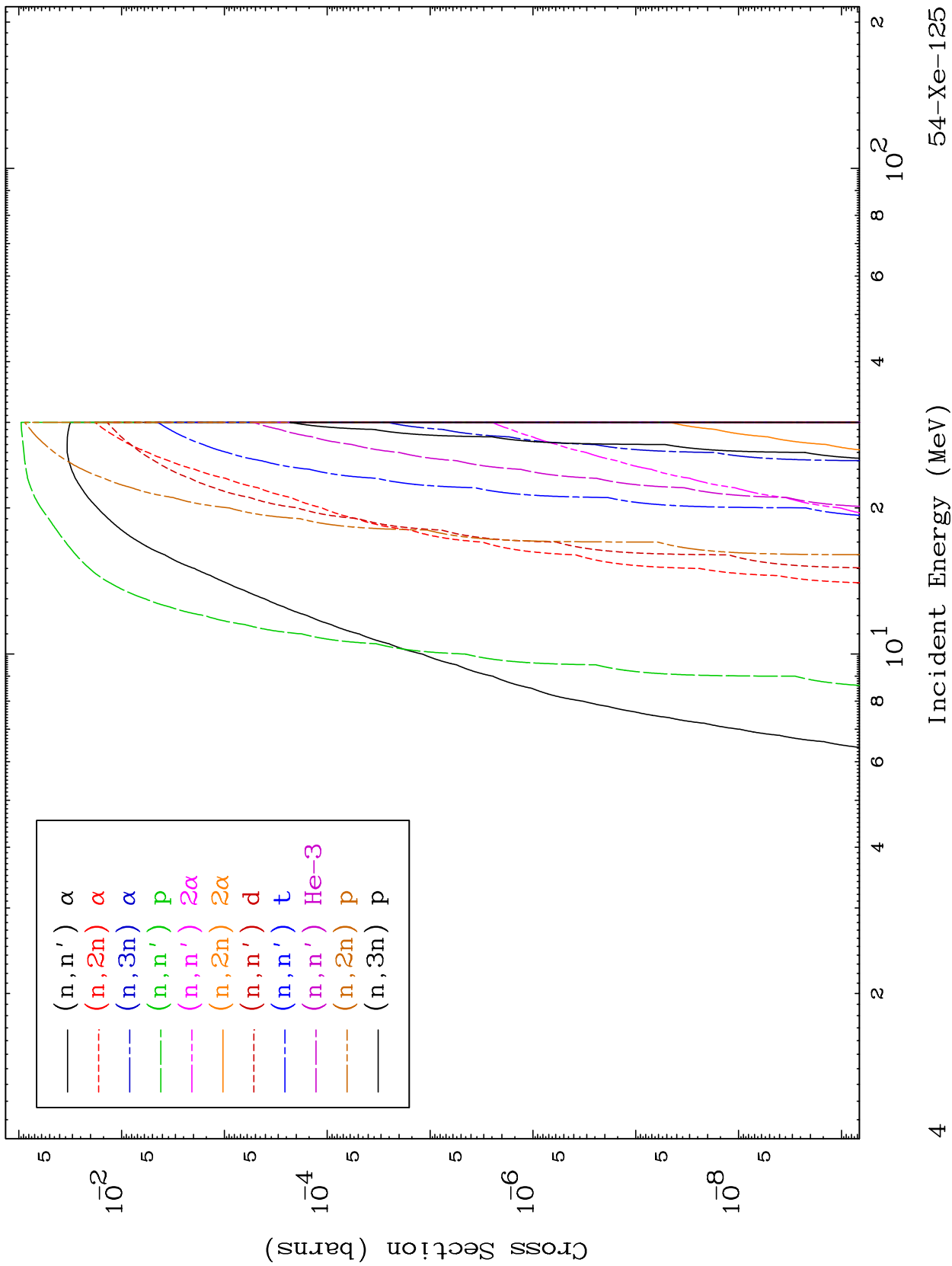
MAT 5428

Neutron Production
293 Kelvin Cross Sections

54-Xe-125



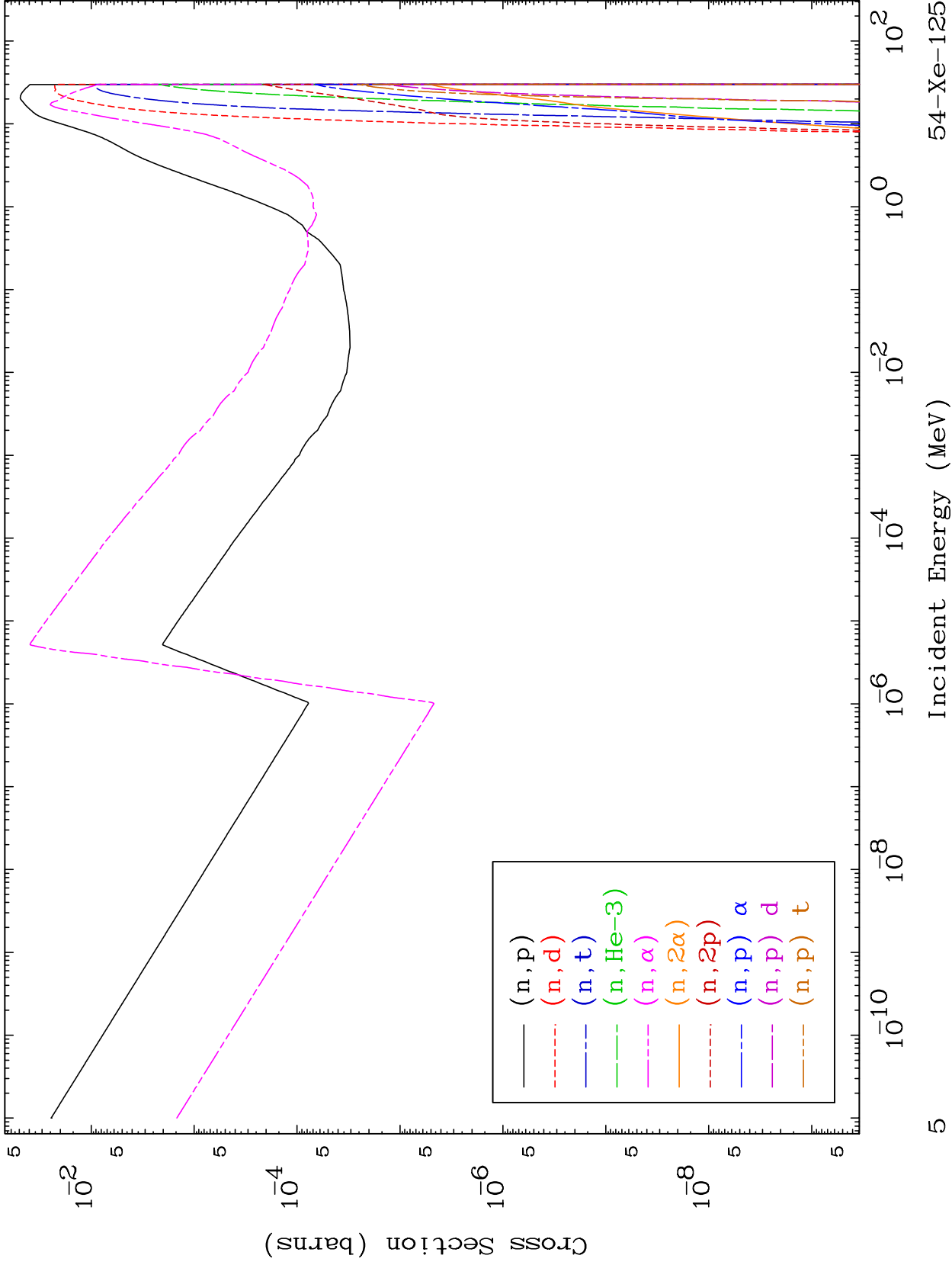


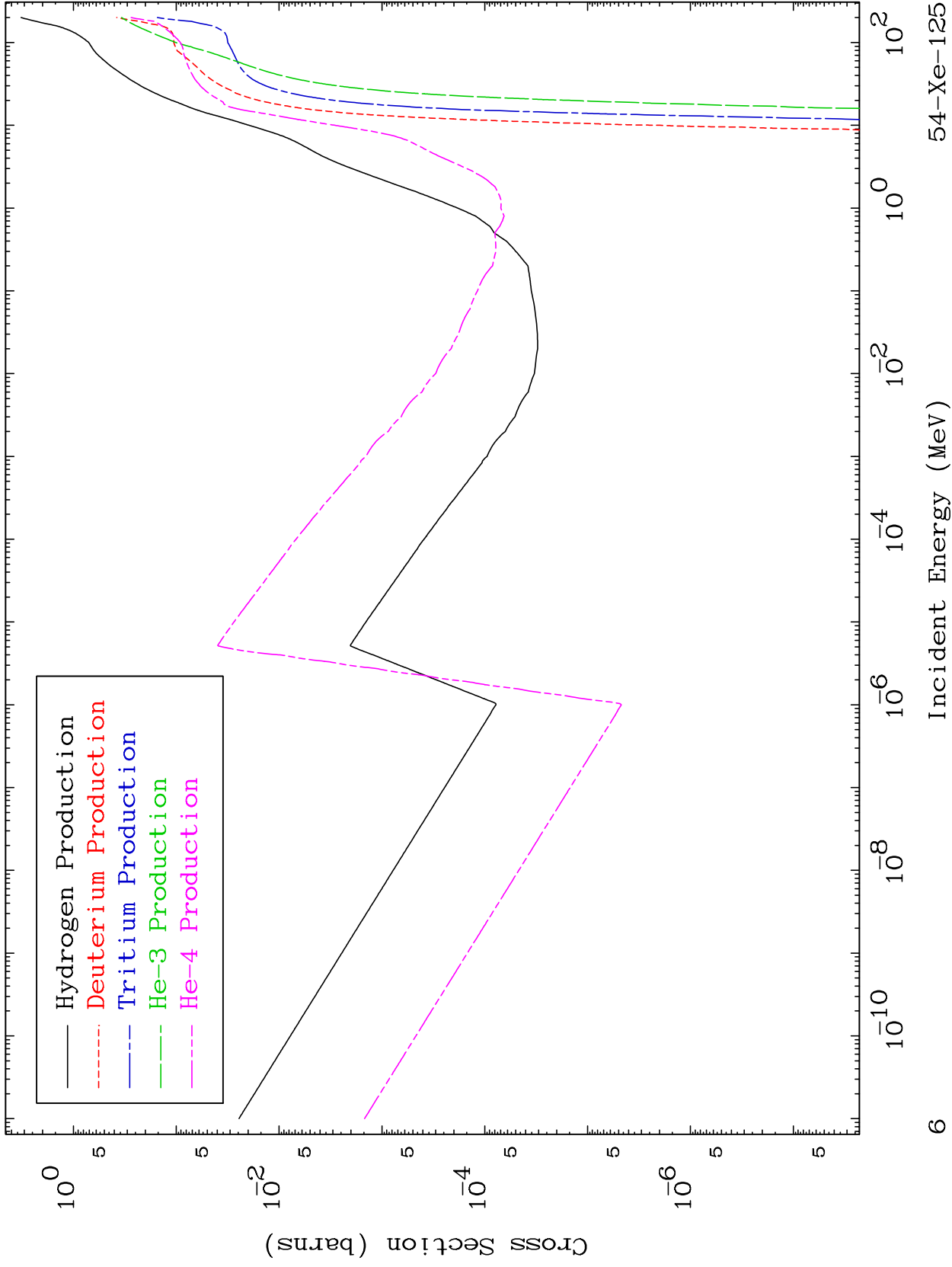


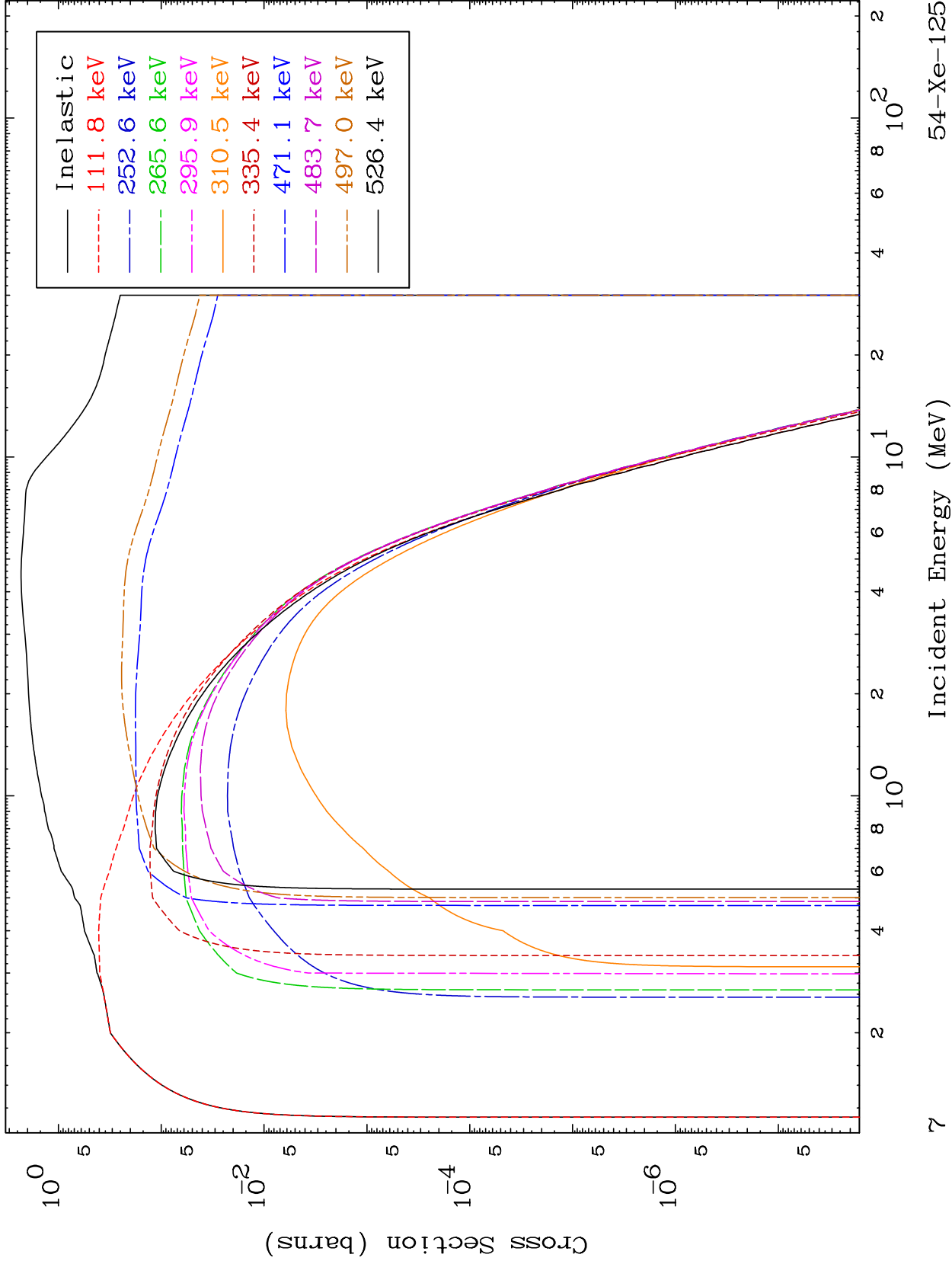
MAT 5428

Charged Particle
293 Kelvin Cross Sections

54-Xe-125



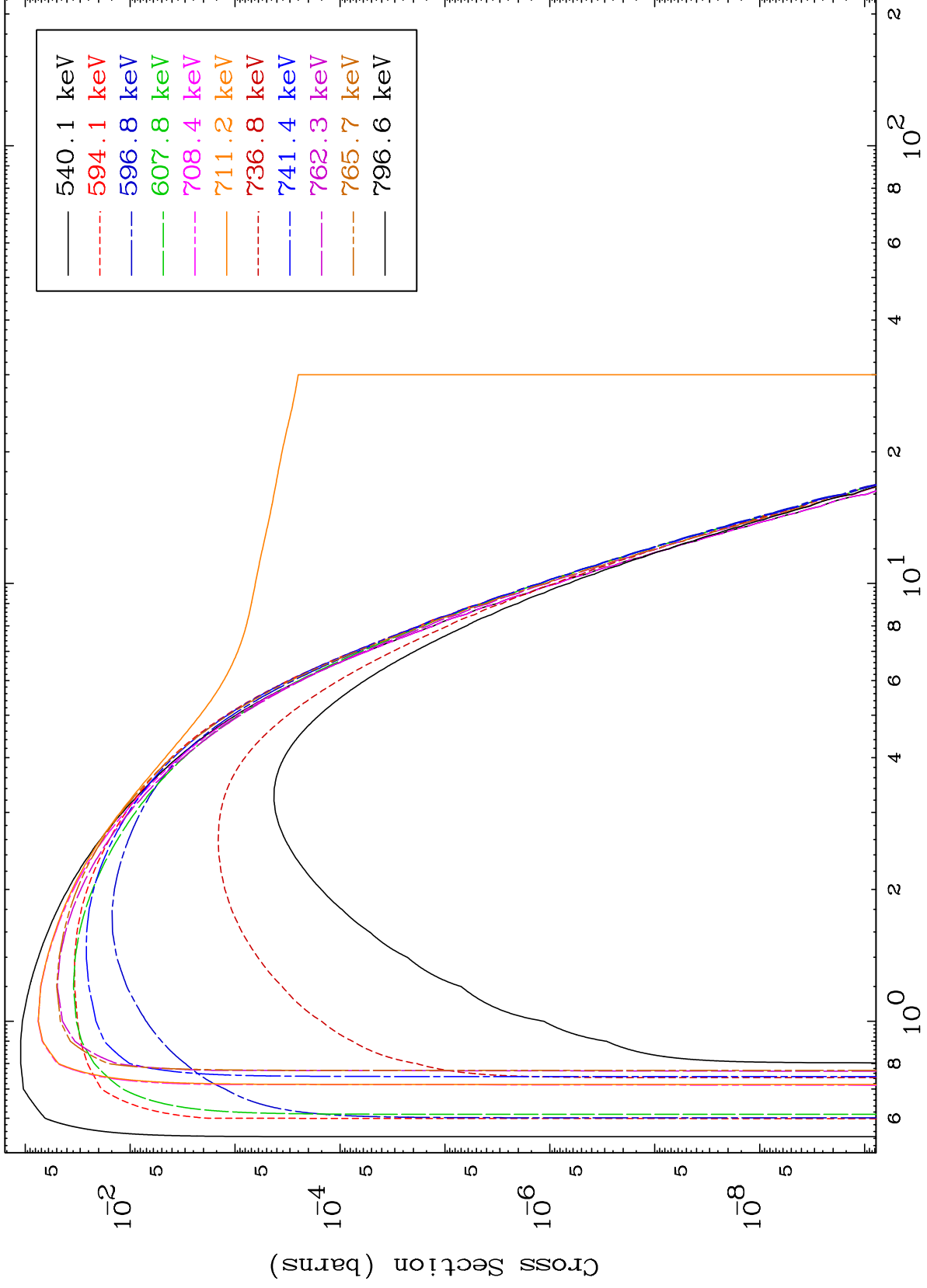




MAT 5428

(n,n') Level
293 Kelvin Cross Sections

54-Xe-125



8

Incident Energy (MeV)

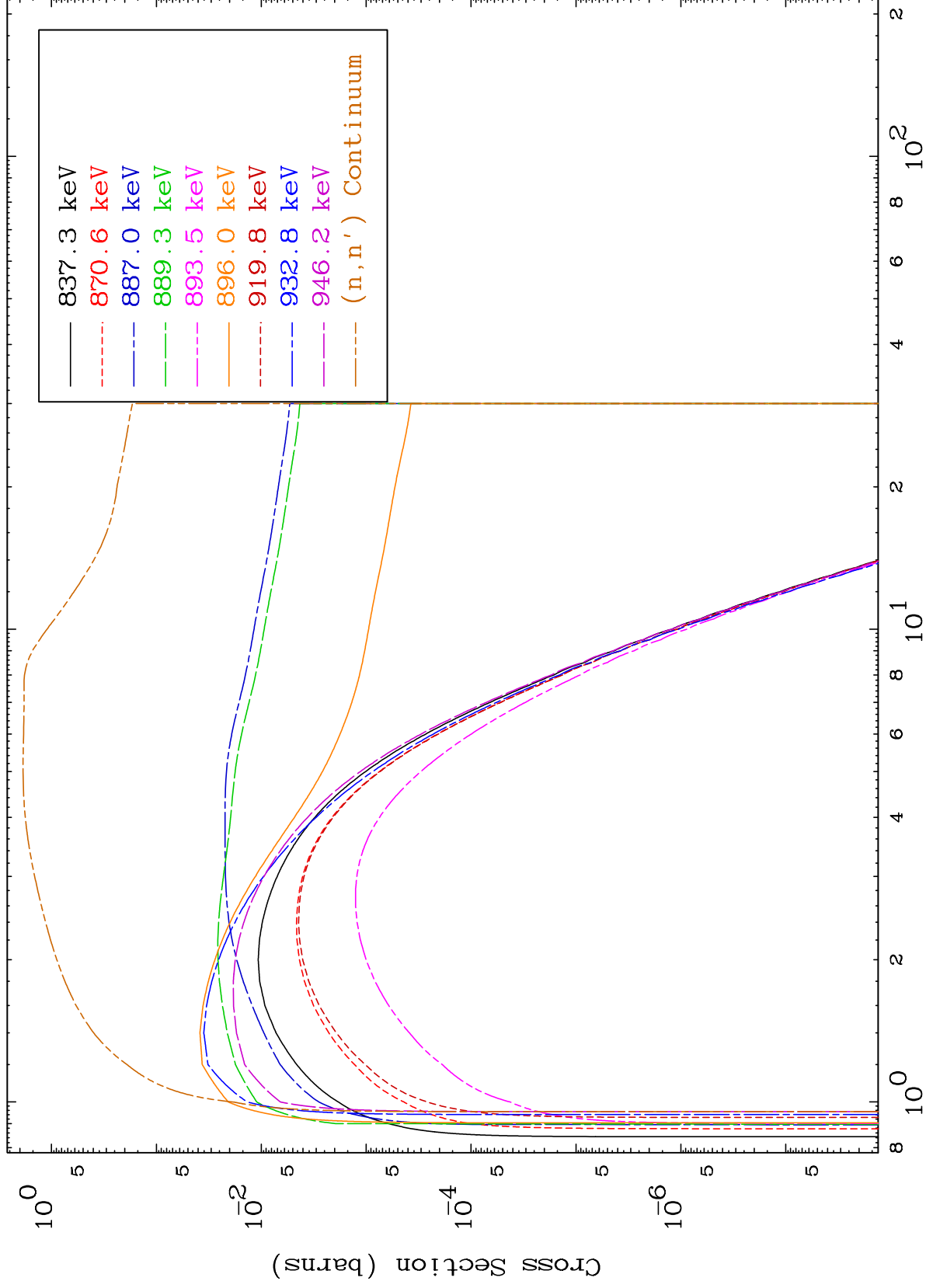
54-Xe-125

MAT 5428

(n,n') Level

54-Xe-125

293 Kelvin Cross Sections



9

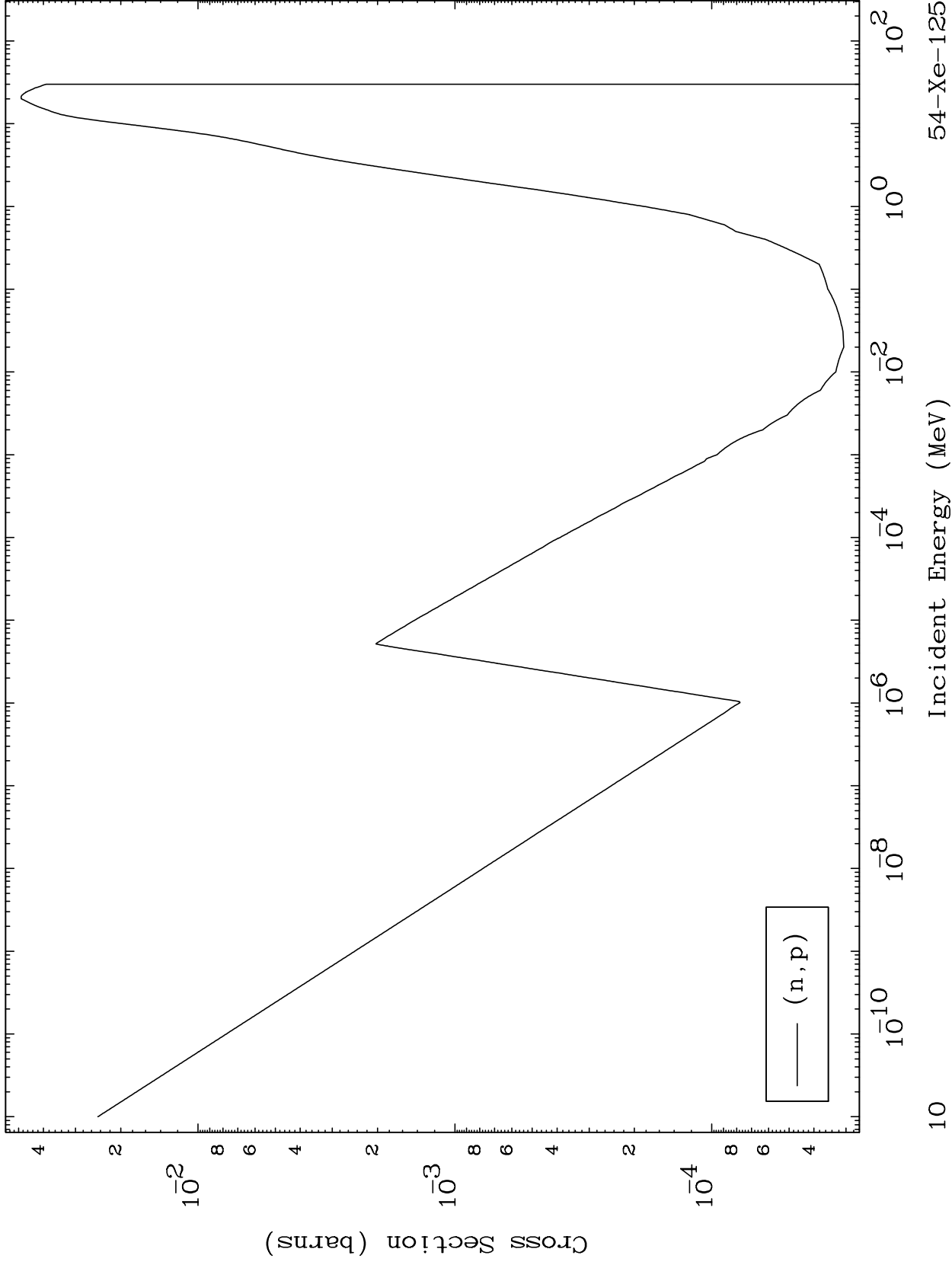
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n,p) Levels
293 Kelvin Cross Sections

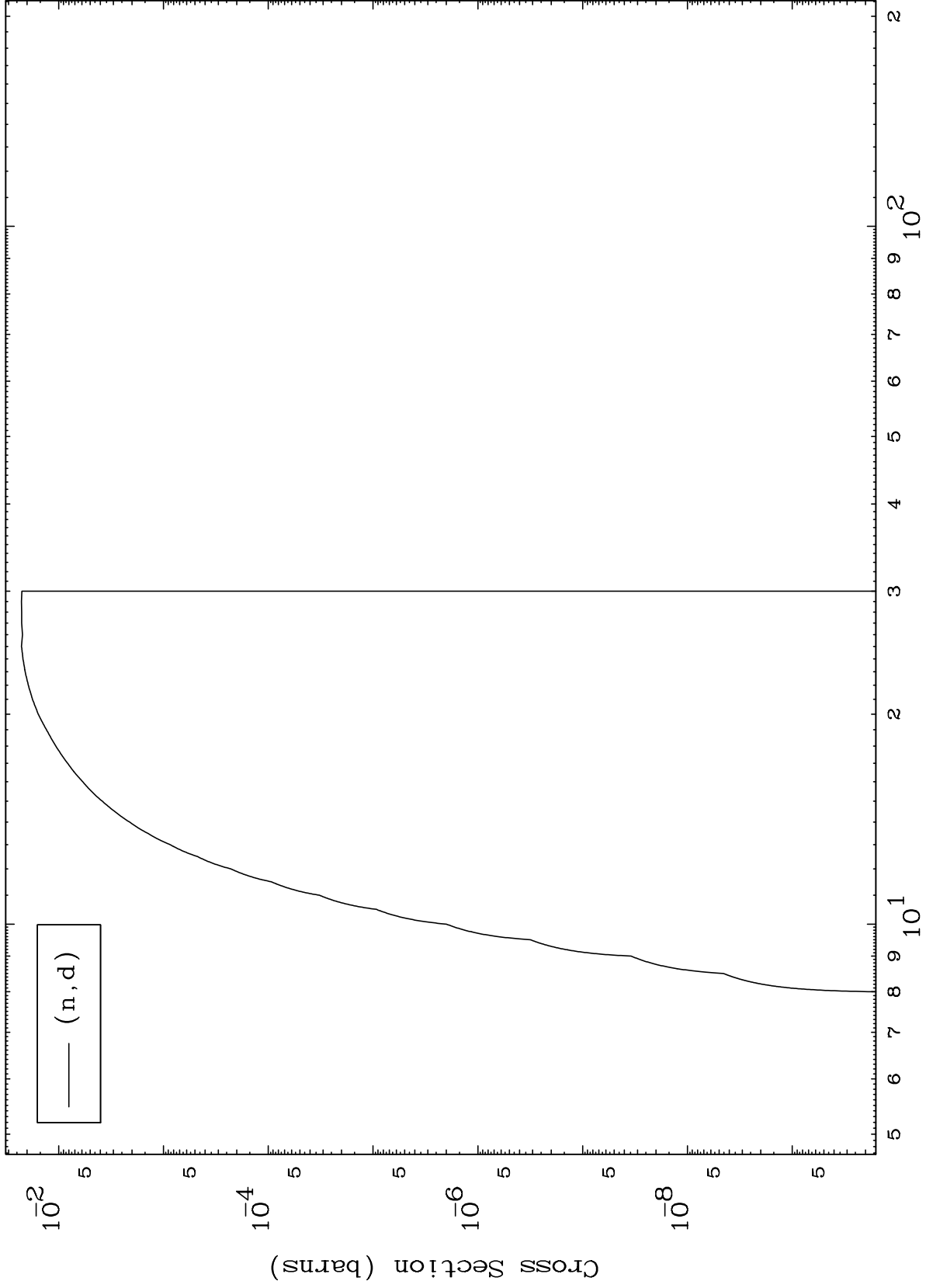
54-Xe-125



MAT 5428

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-125



11

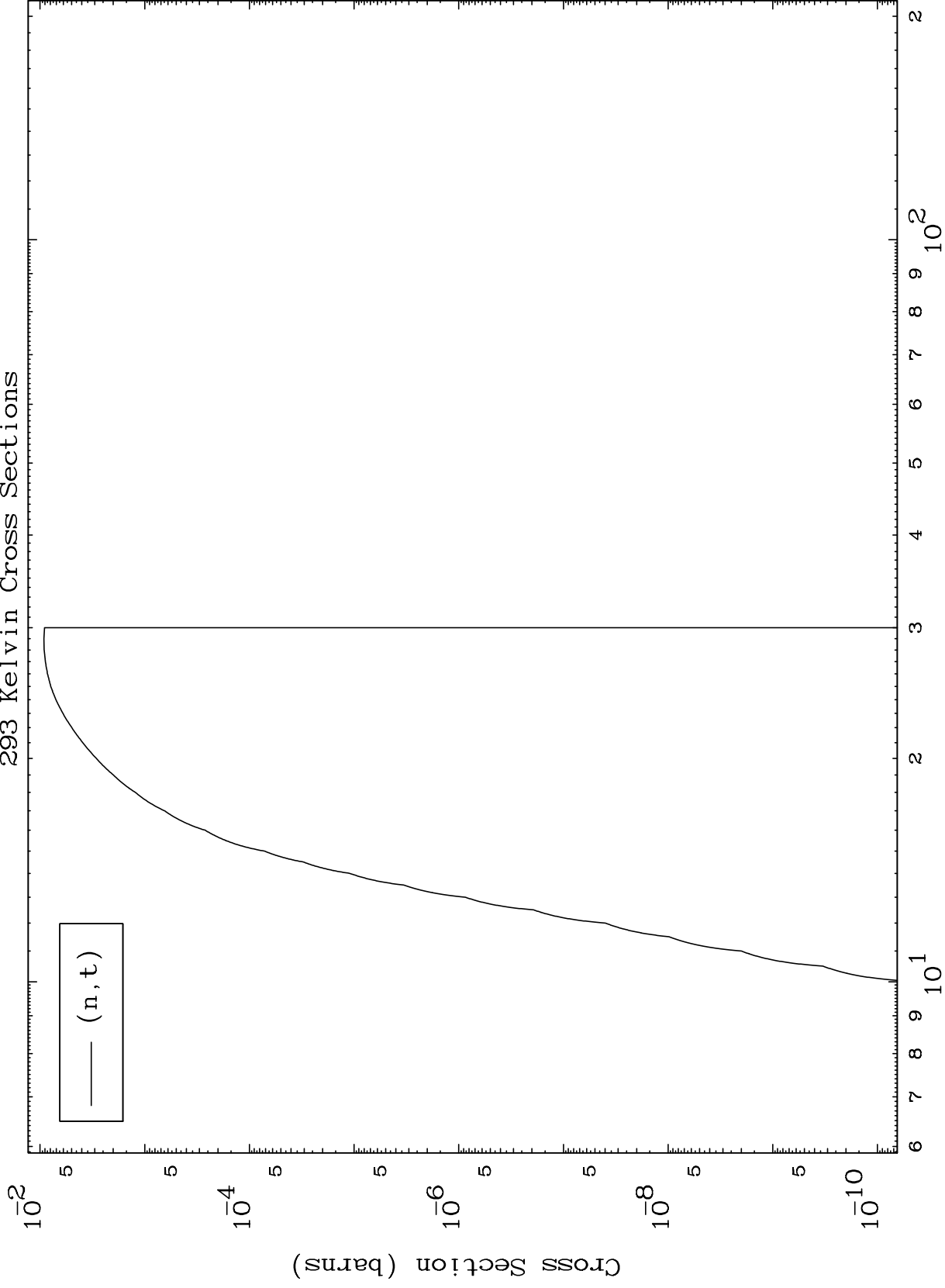
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n, t) Levels
293 Kelvin Cross Sections

54-Xe-125



12

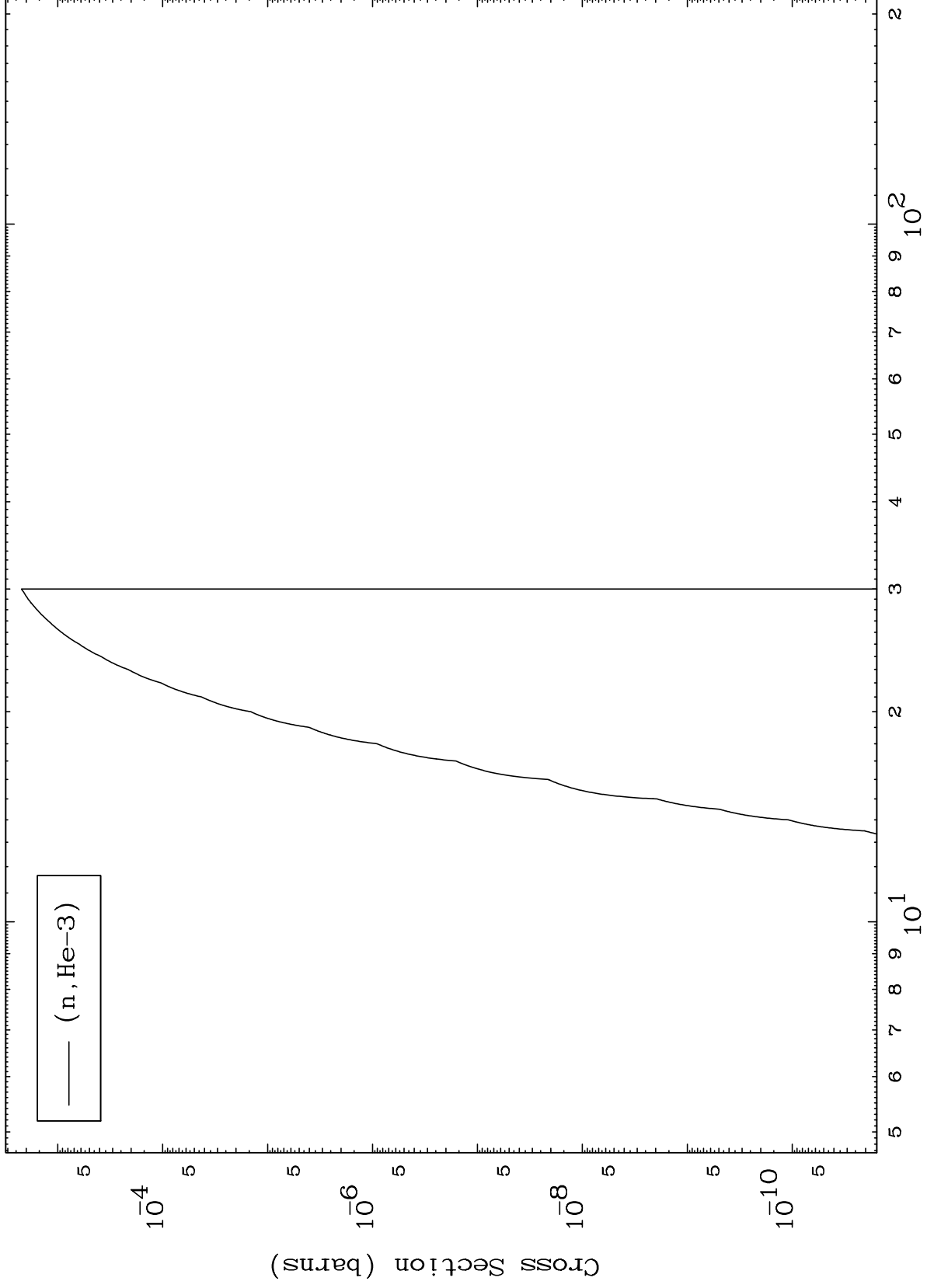
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-125



13

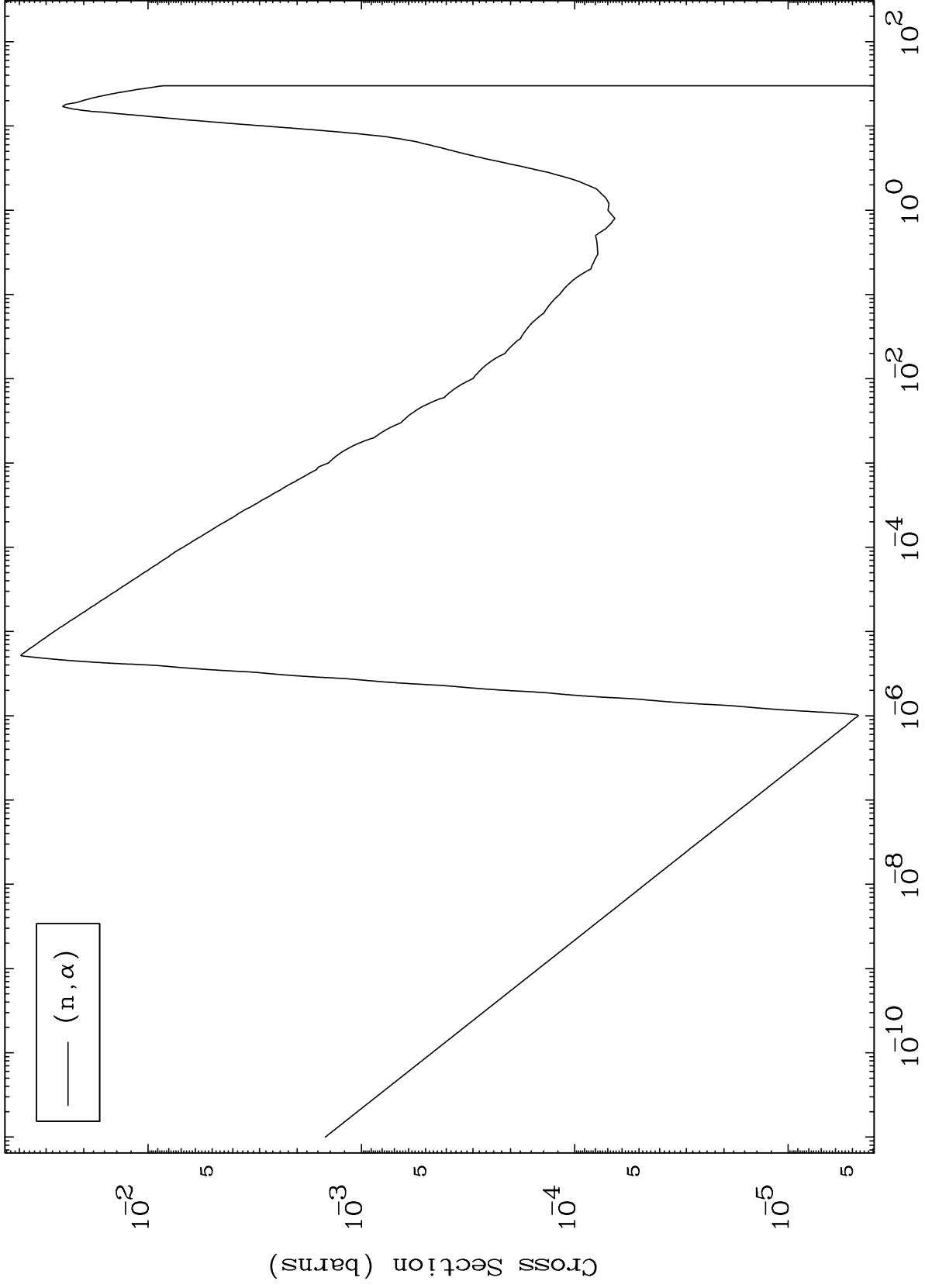
Incident Energy (MeV)

54-Xe-125

MAT 5428

(n, α) Levels
293 Kelvin Cross Sections

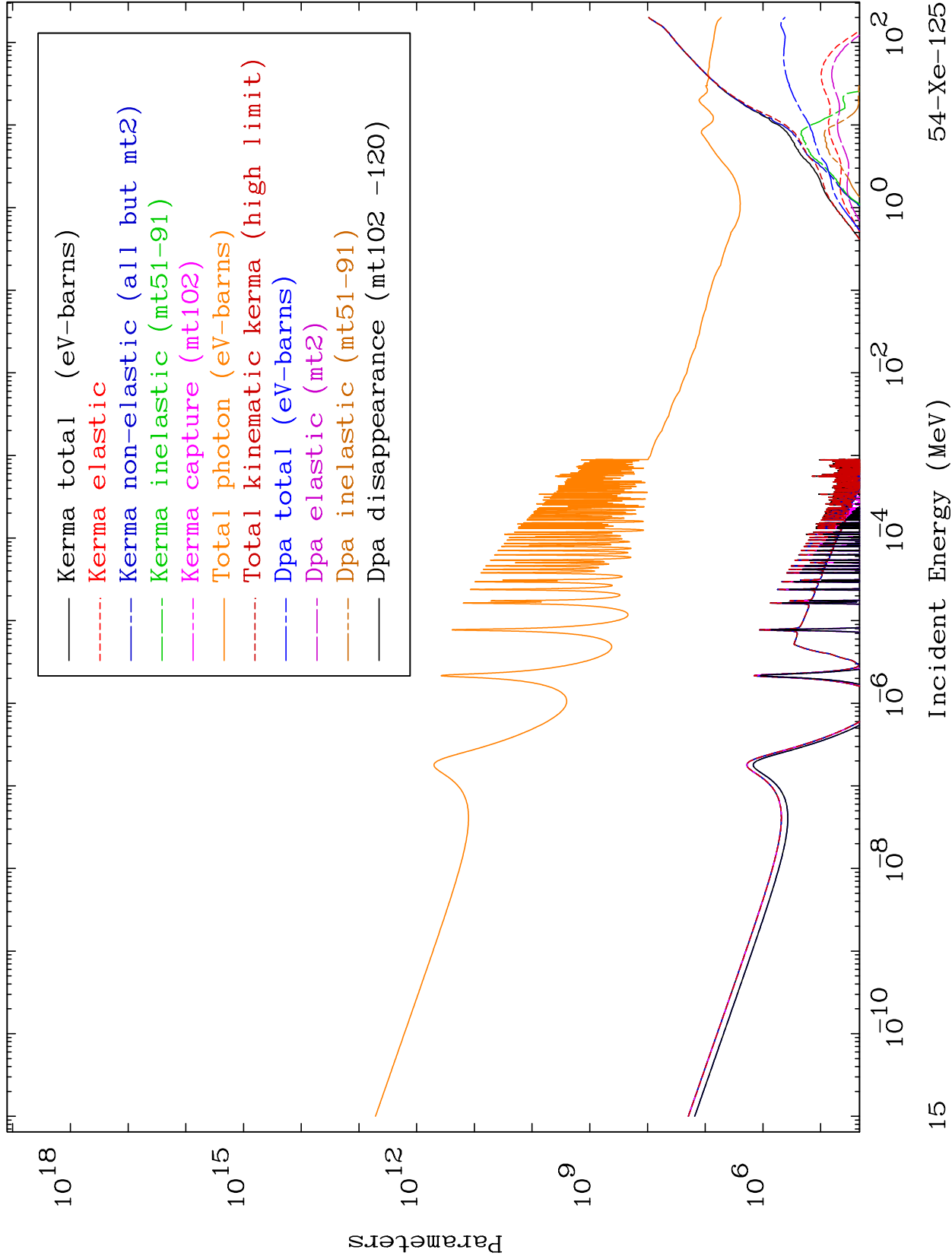
54-Xe-125



14

Incident Energy (MeV)

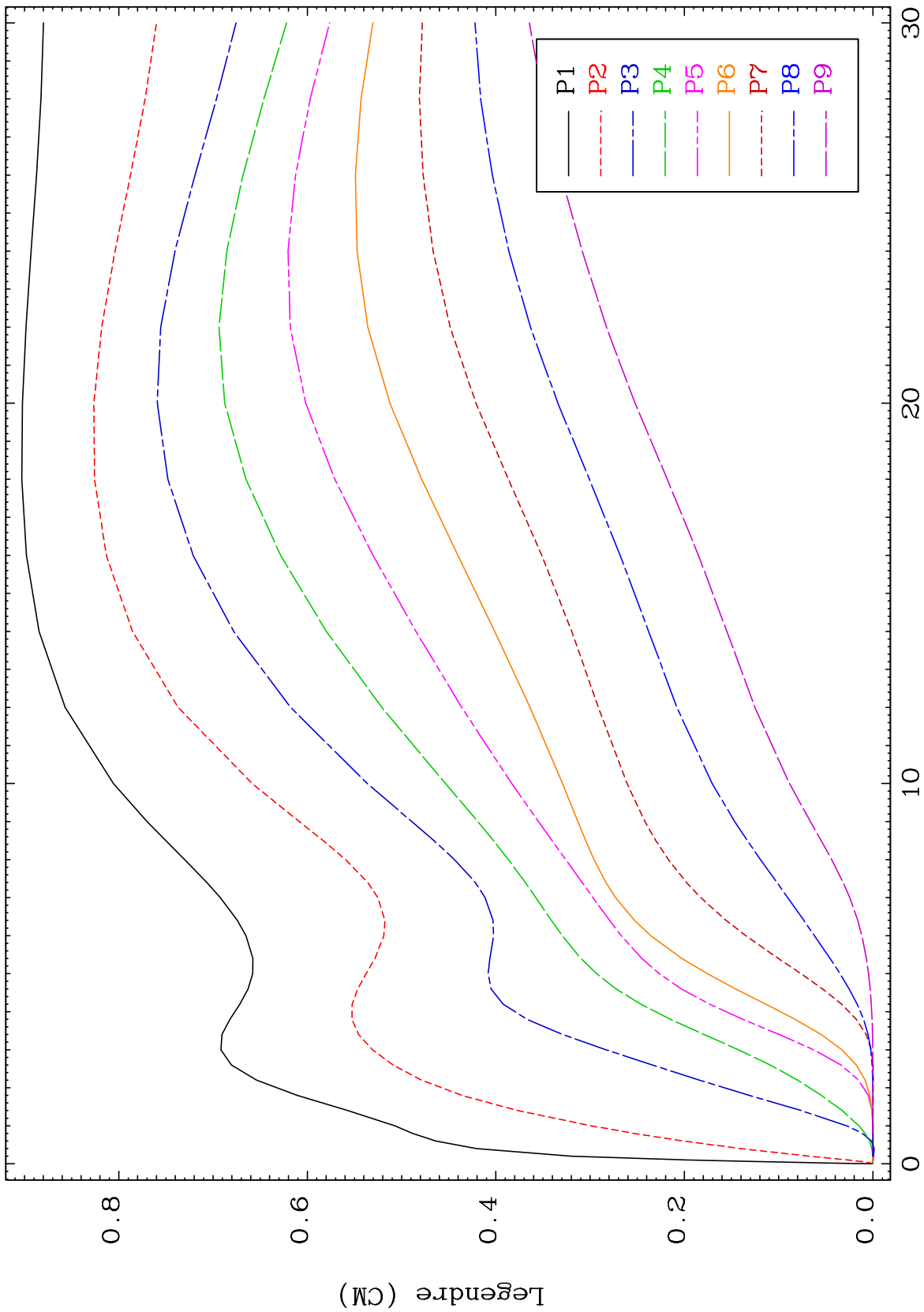
54-Xe-125



MAT 5428

54-Xe-125

Elastic Legendre Coefficients



16

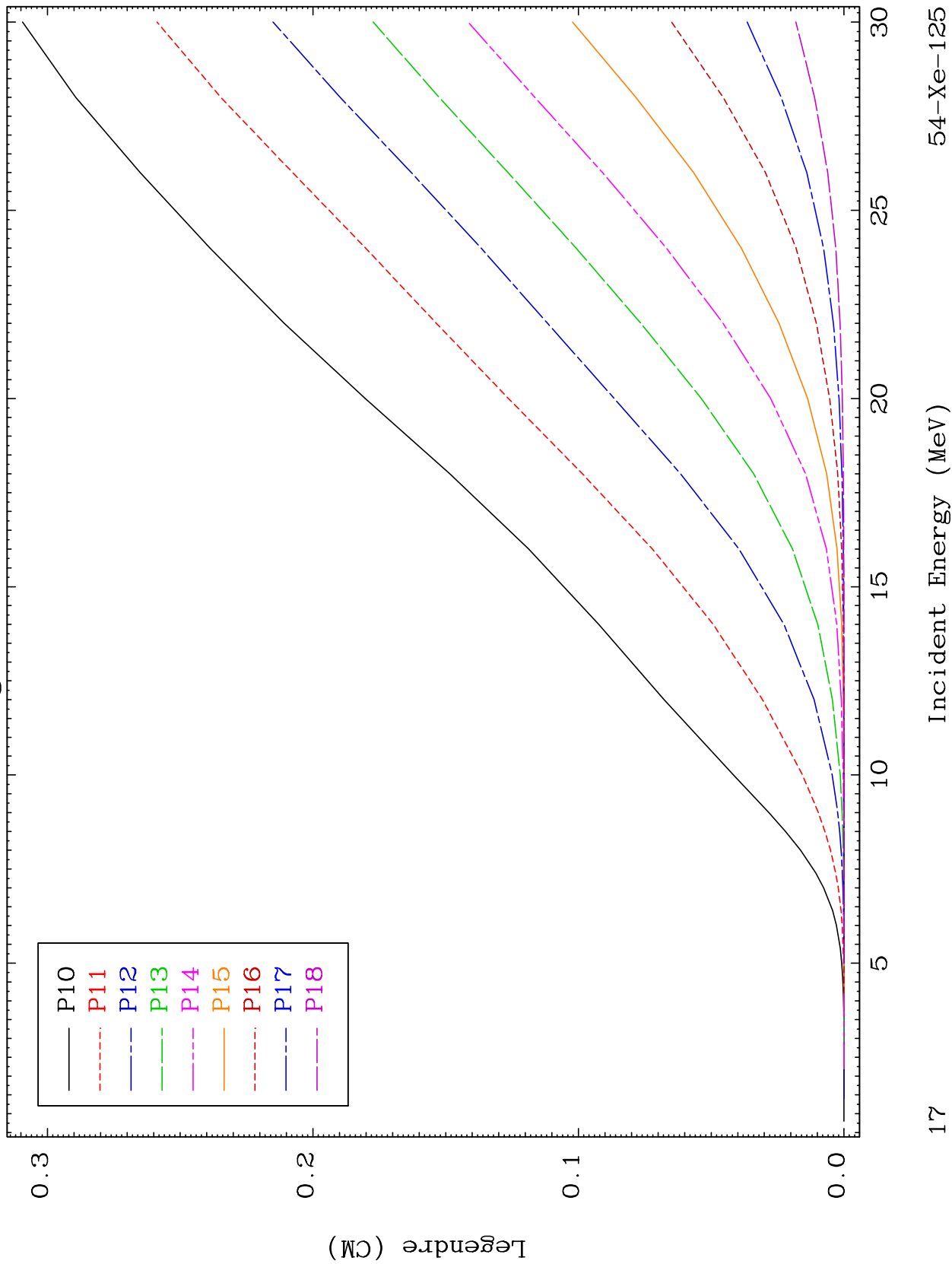
Incident Energy (MeV)

54-Xe-125

MAT 5428

Elastic Legendre Coefficients

54-Xe-125



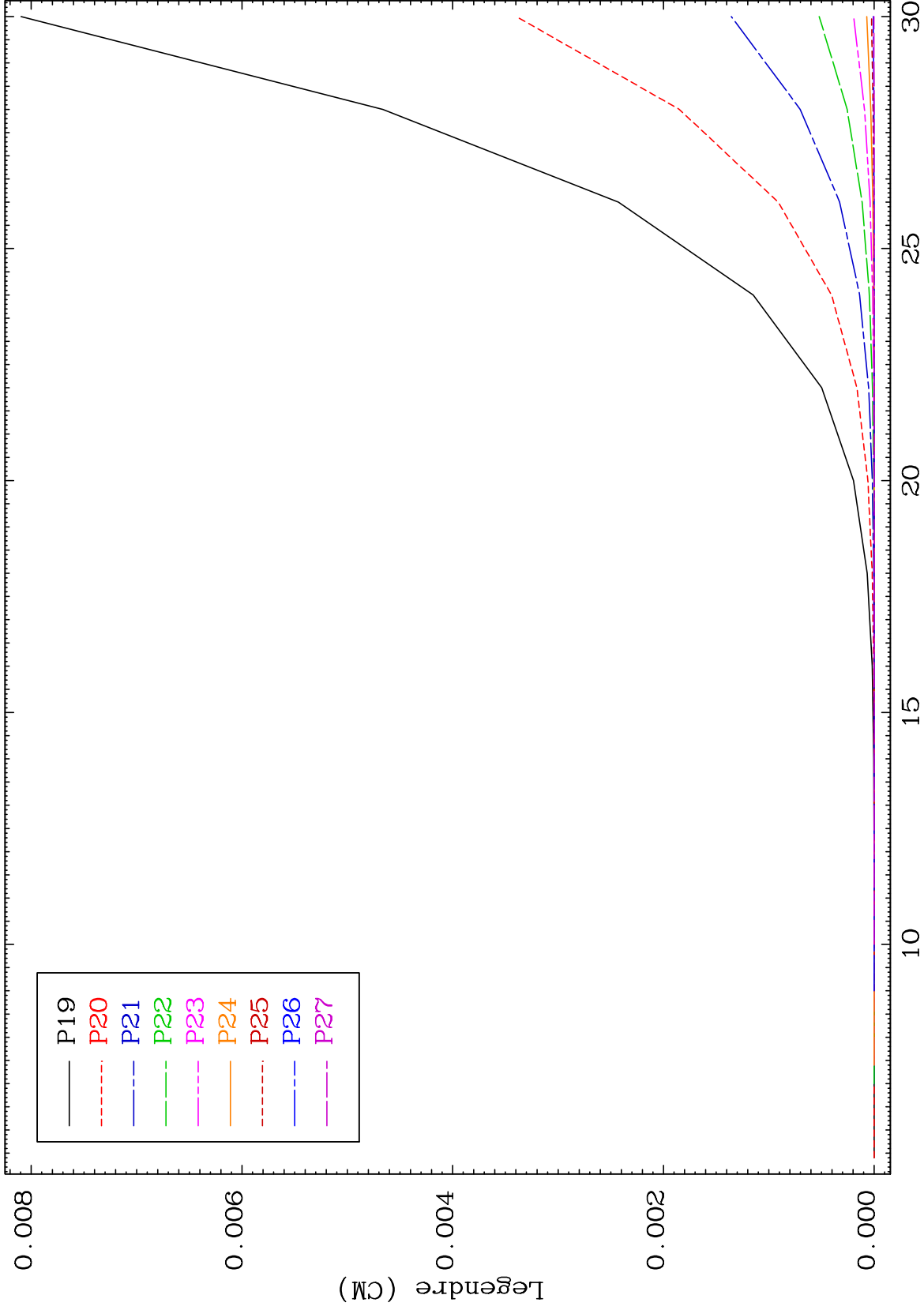
17

54-Xe-125

MAT 5428

Elastic
Legendre Coefficients

54-Xe-125



18

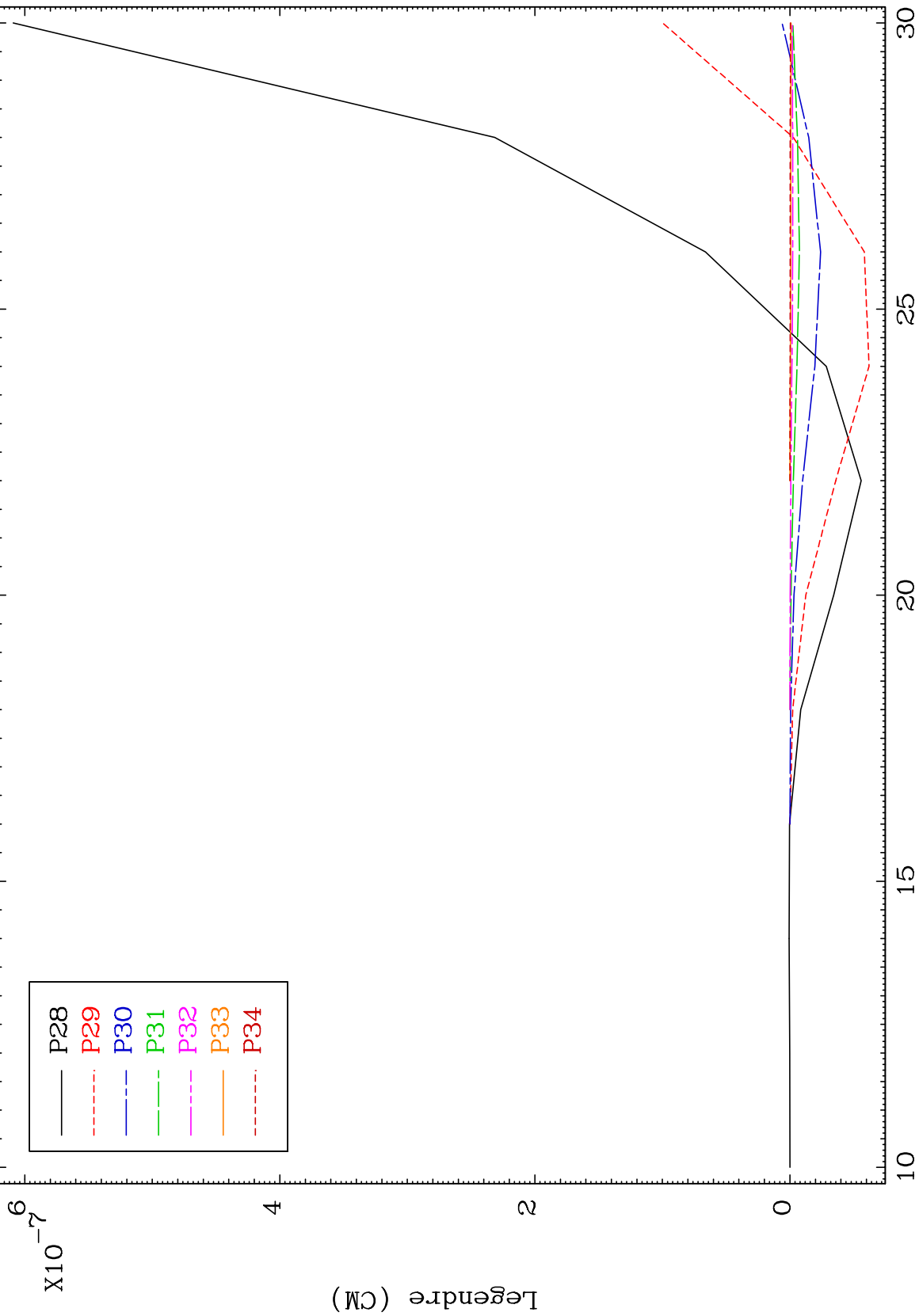
Incident Energy (MeV)

54-Xe-125

MAT 5428

Elastic
Legendre Coefficients

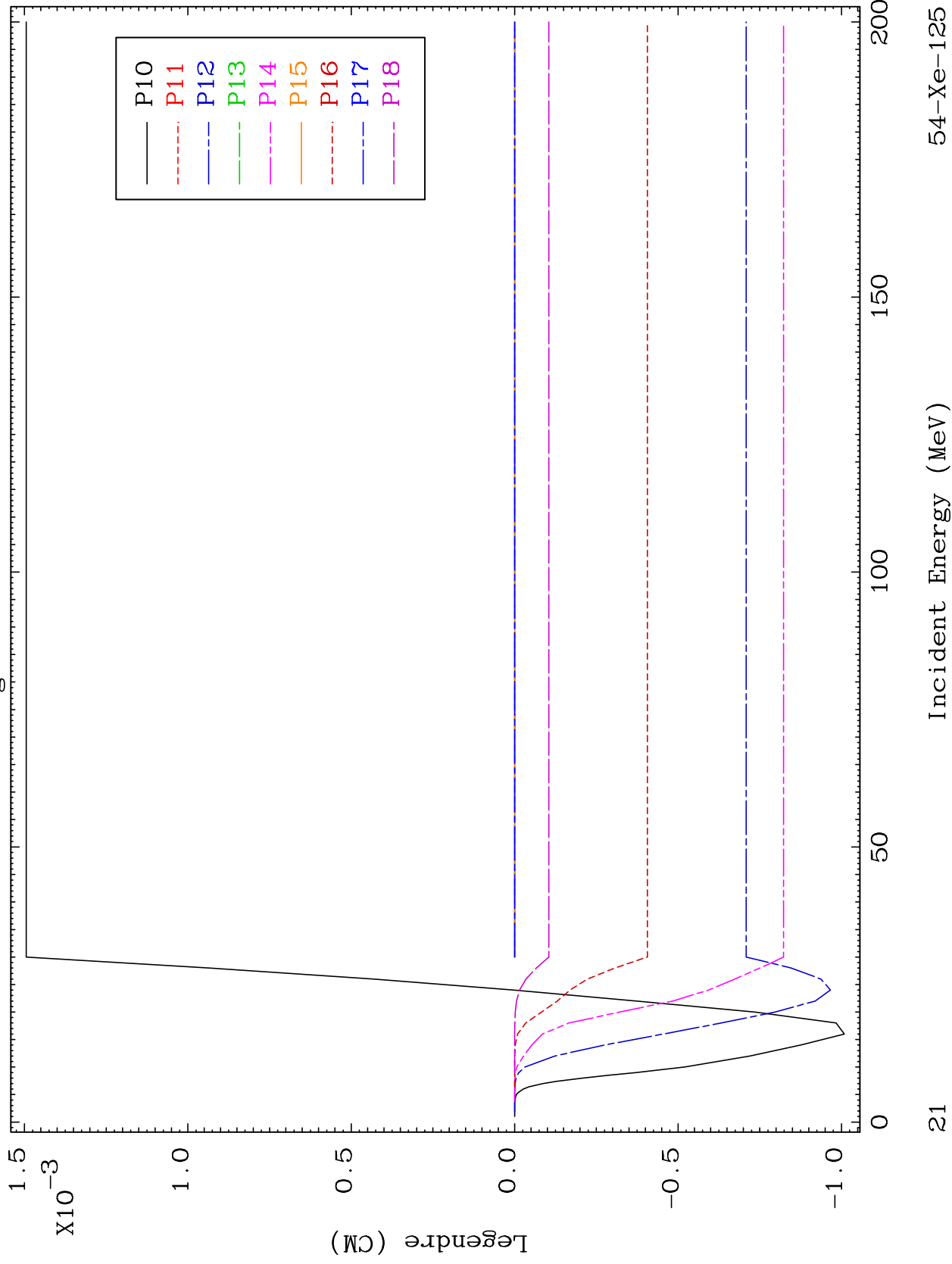
54-Xe-125

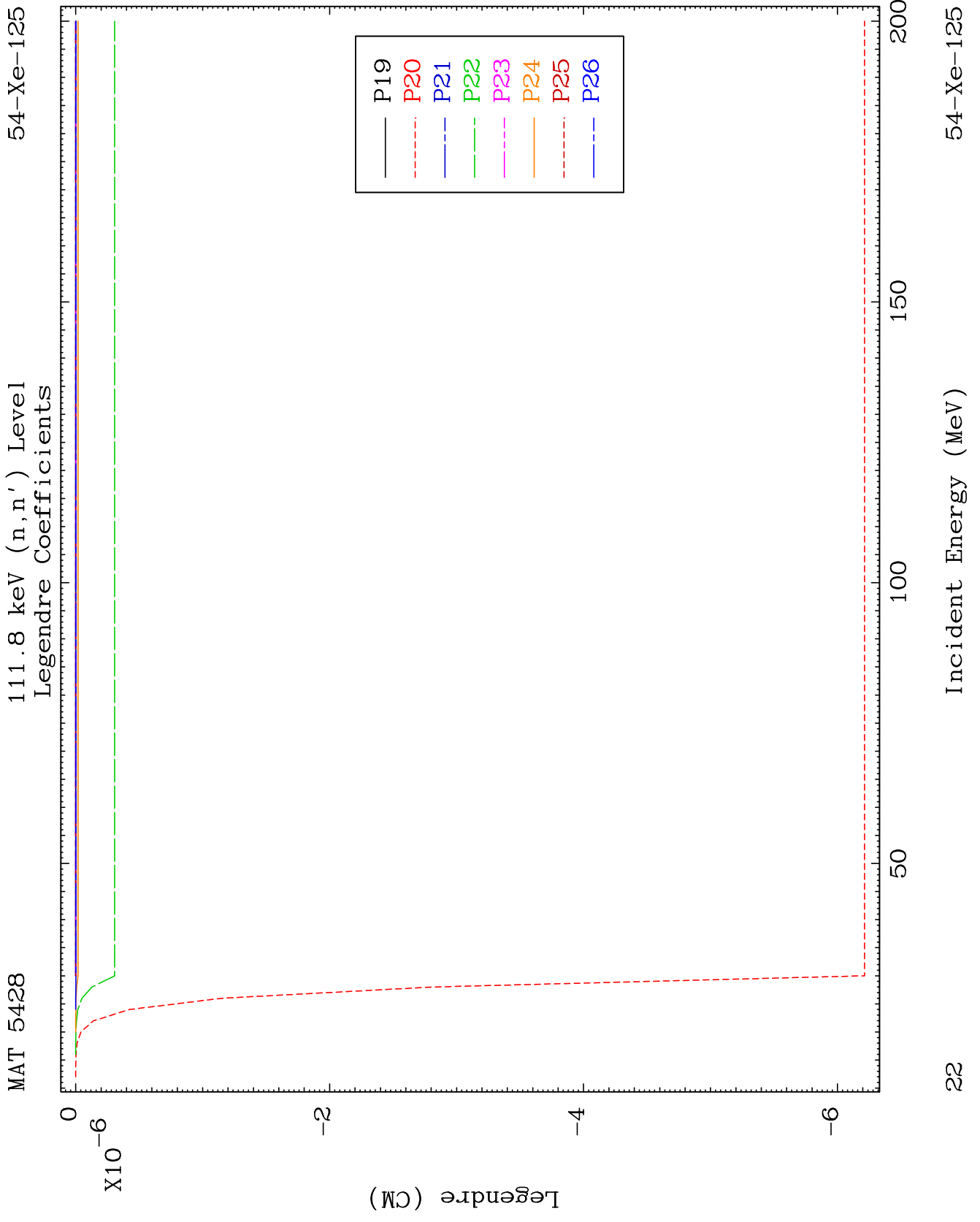


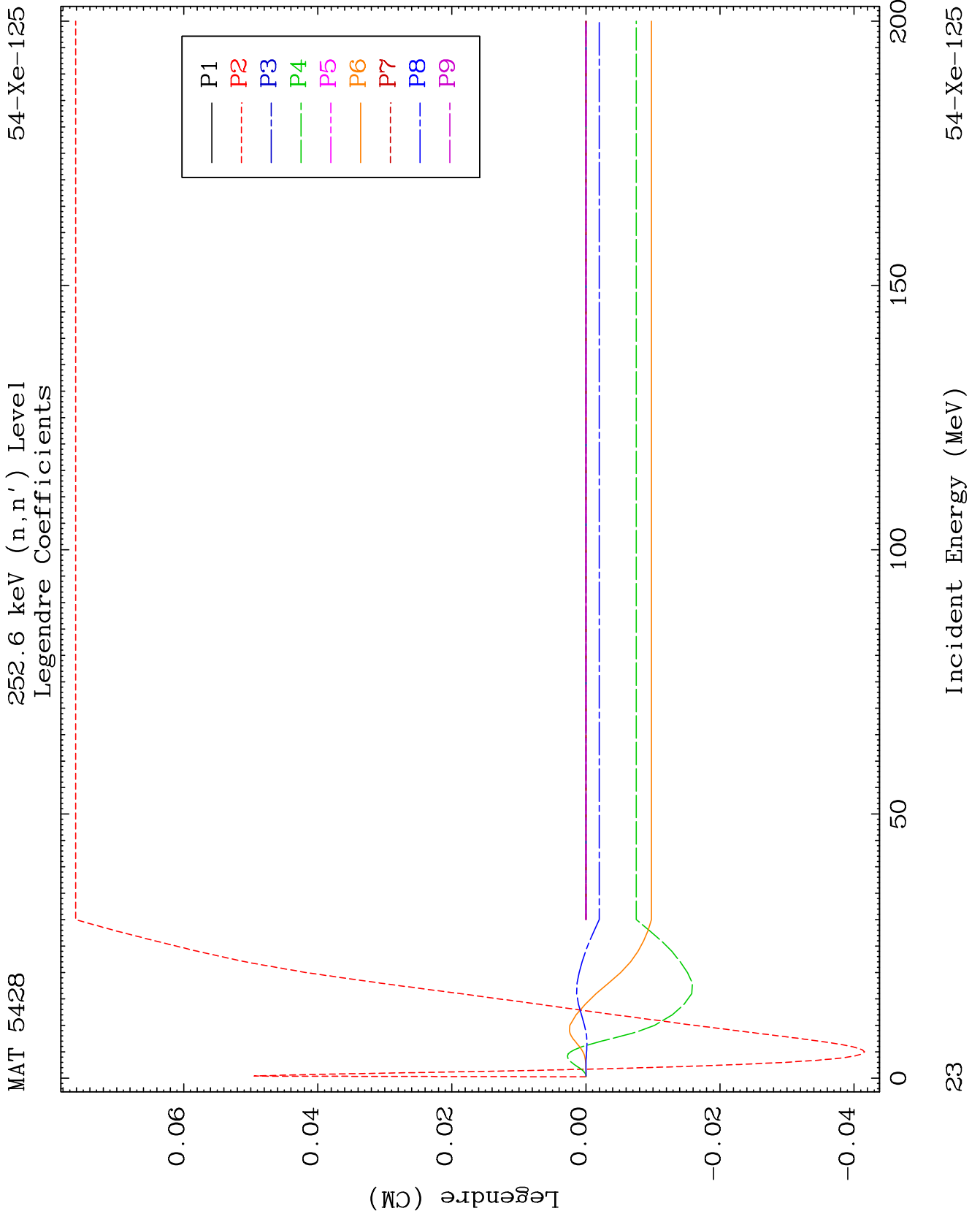
19

Incident Energy (MeV)

54-Xe-125



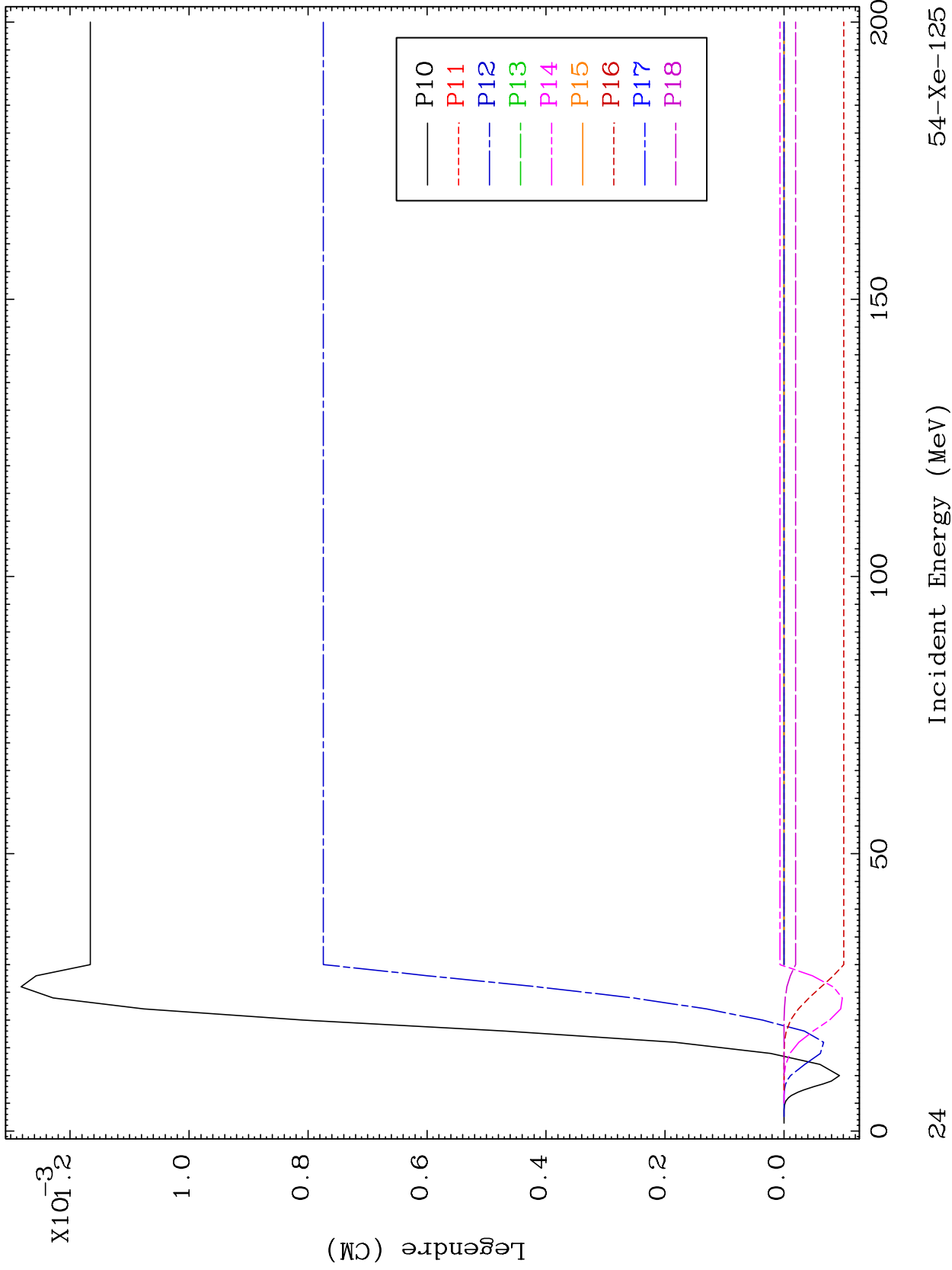




MAT 5428

252.6 keV (n,n') Level
Legendre Coefficients

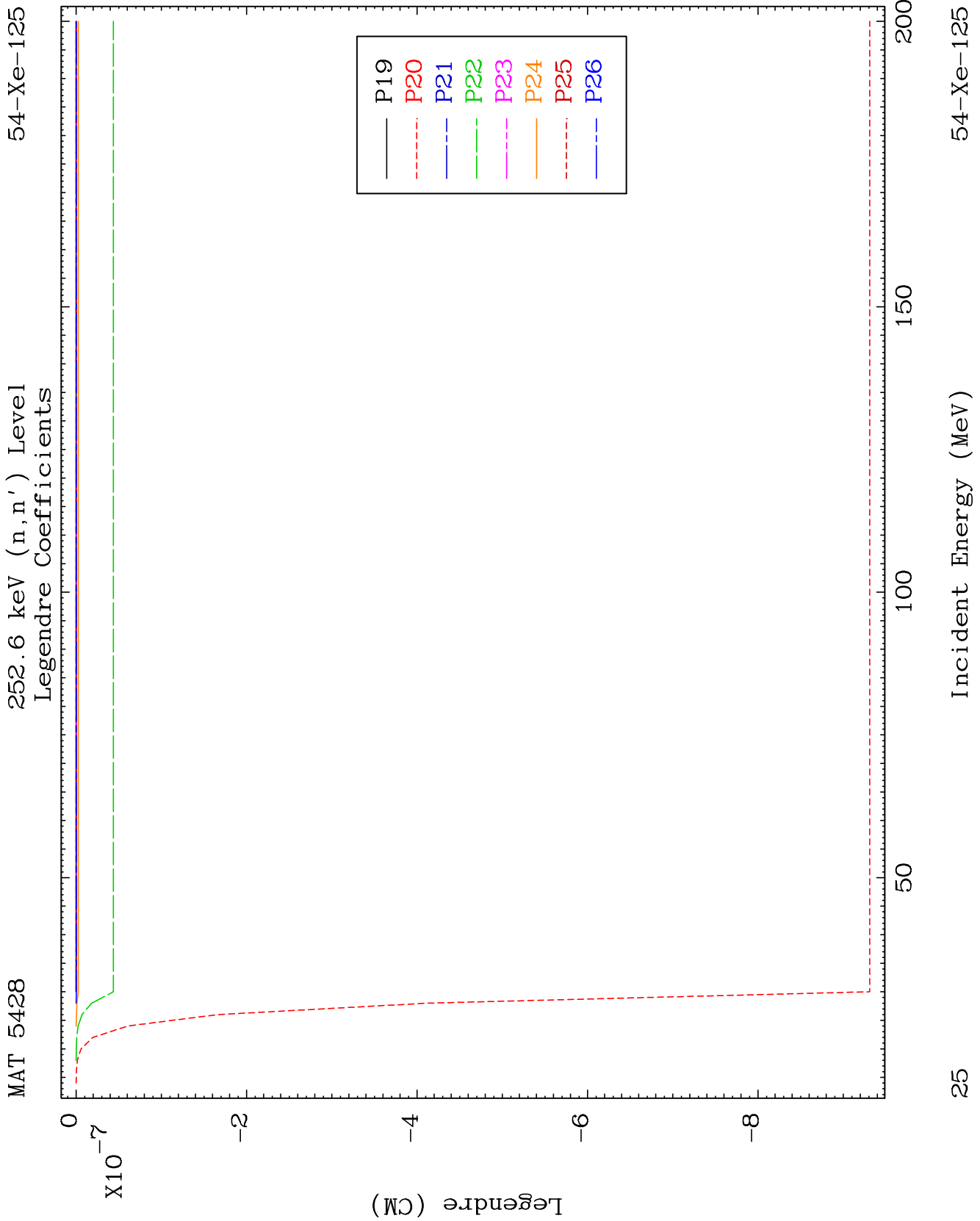
54-Xe-125

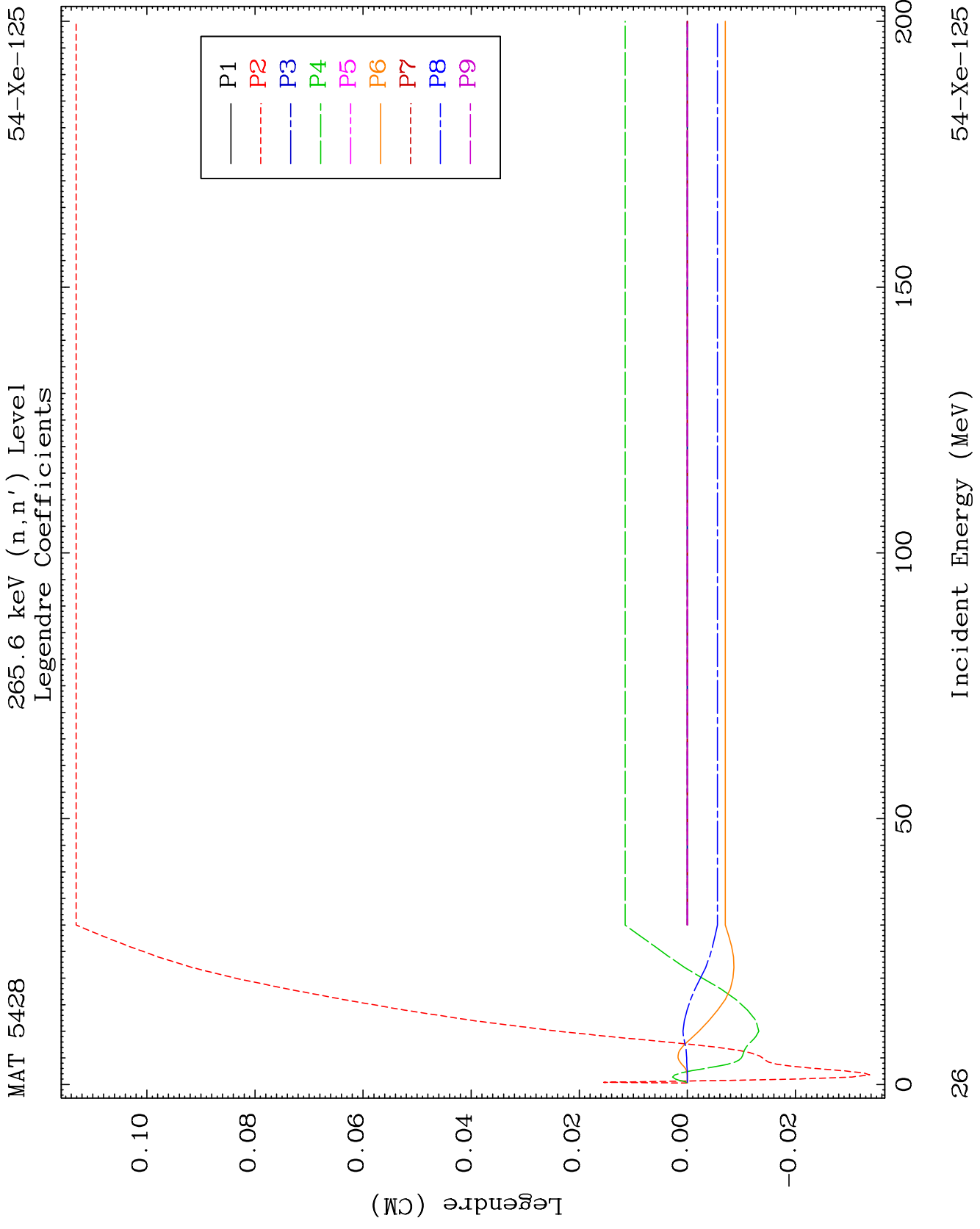


24

Incident Energy (MeV)

54-Xe-125

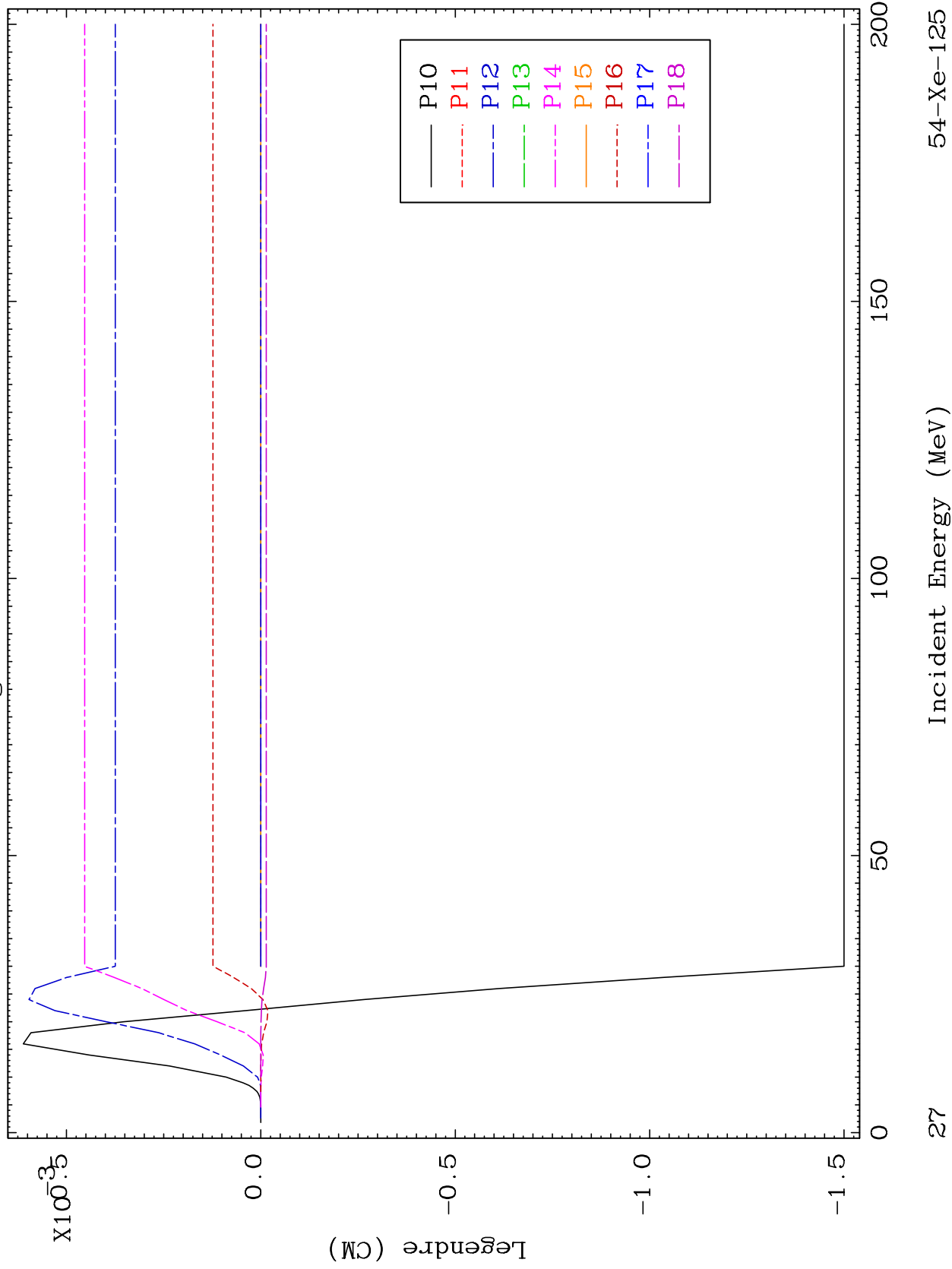




MAT 5428

265.6 keV (n,n') Level
Legendre Coefficients

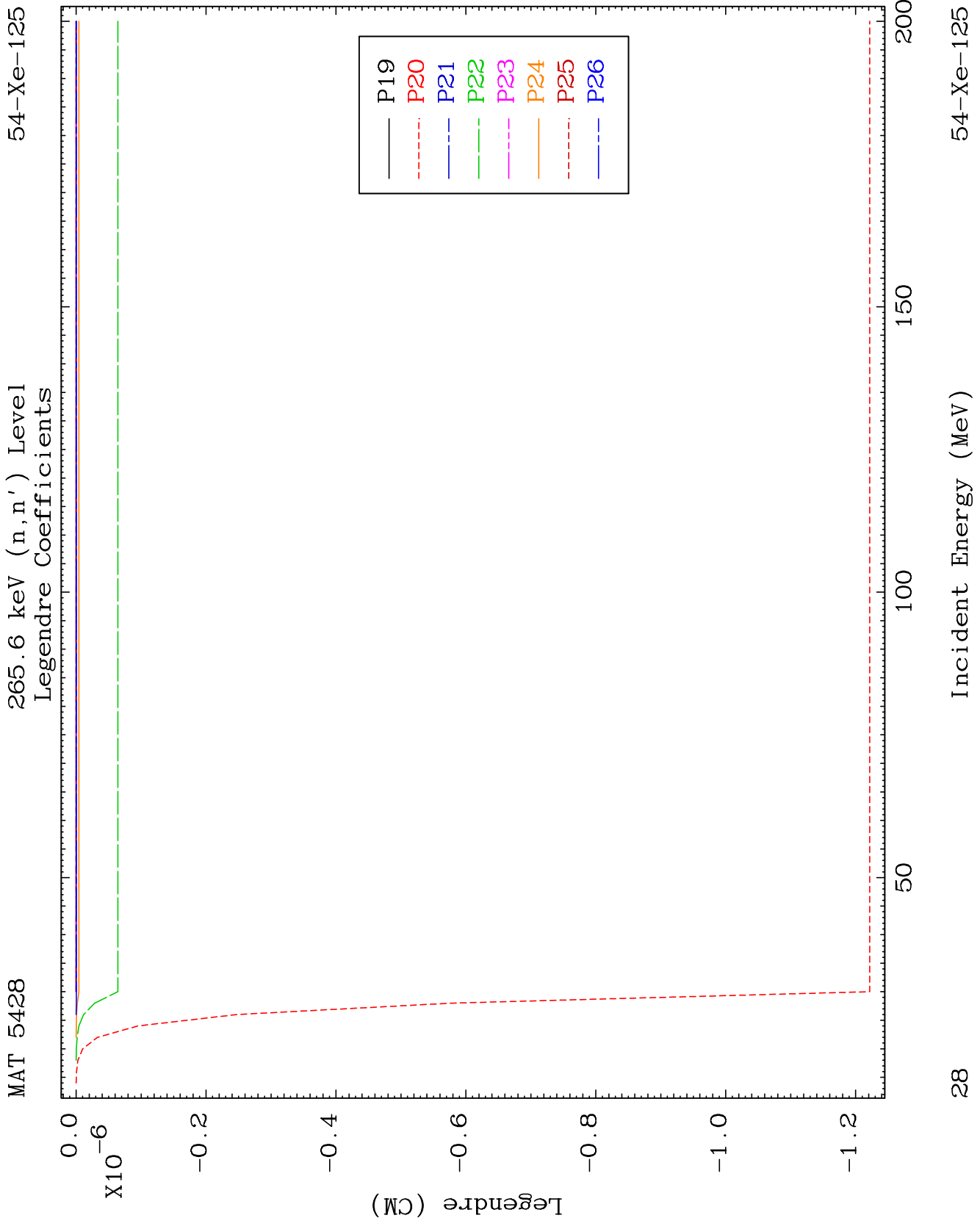
54-Xe-125



27

Incident Energy (MeV)

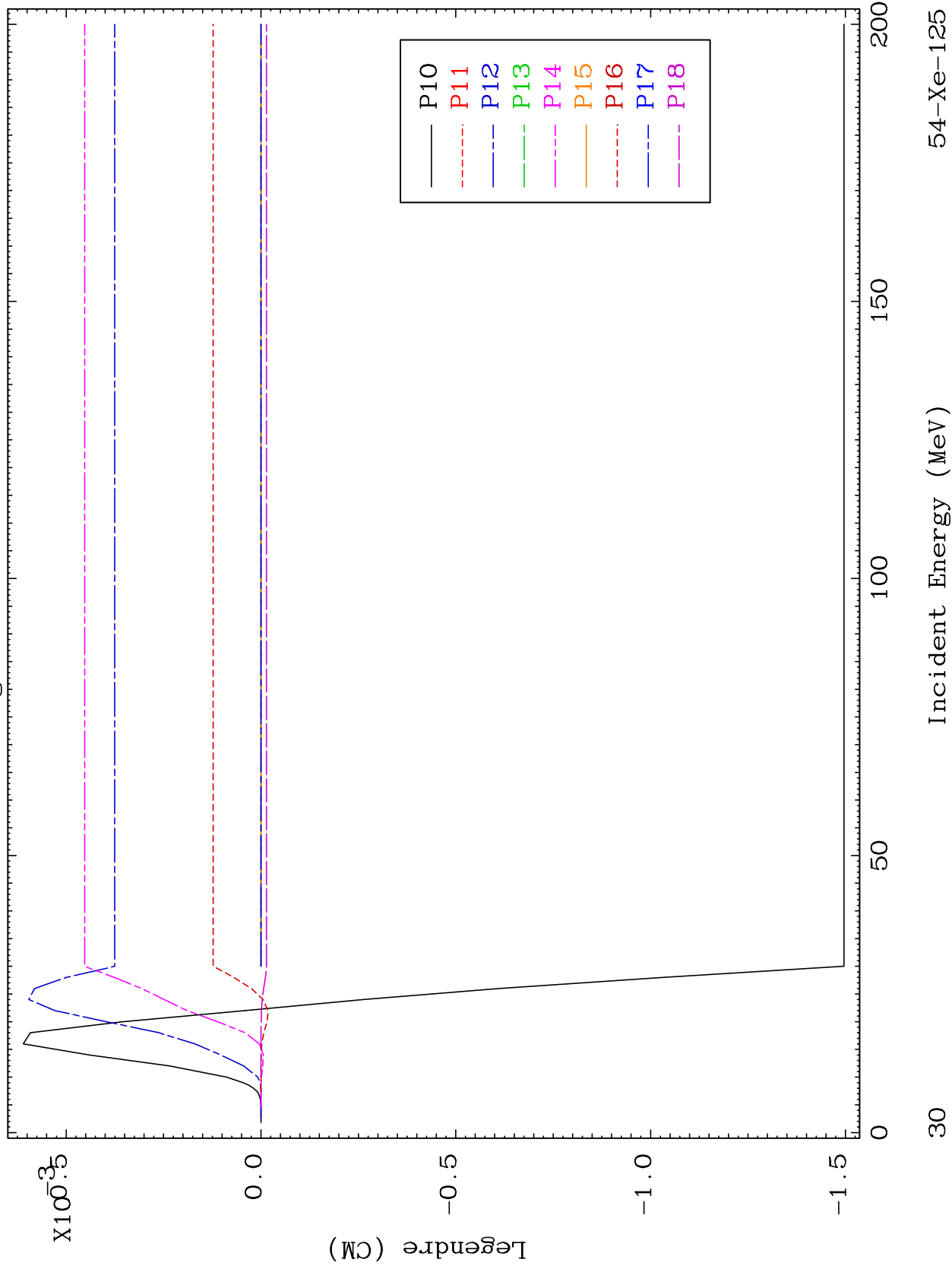
54-Xe-125



MAT 5428

295.9 keV (n,n') Level
Legendre Coefficients

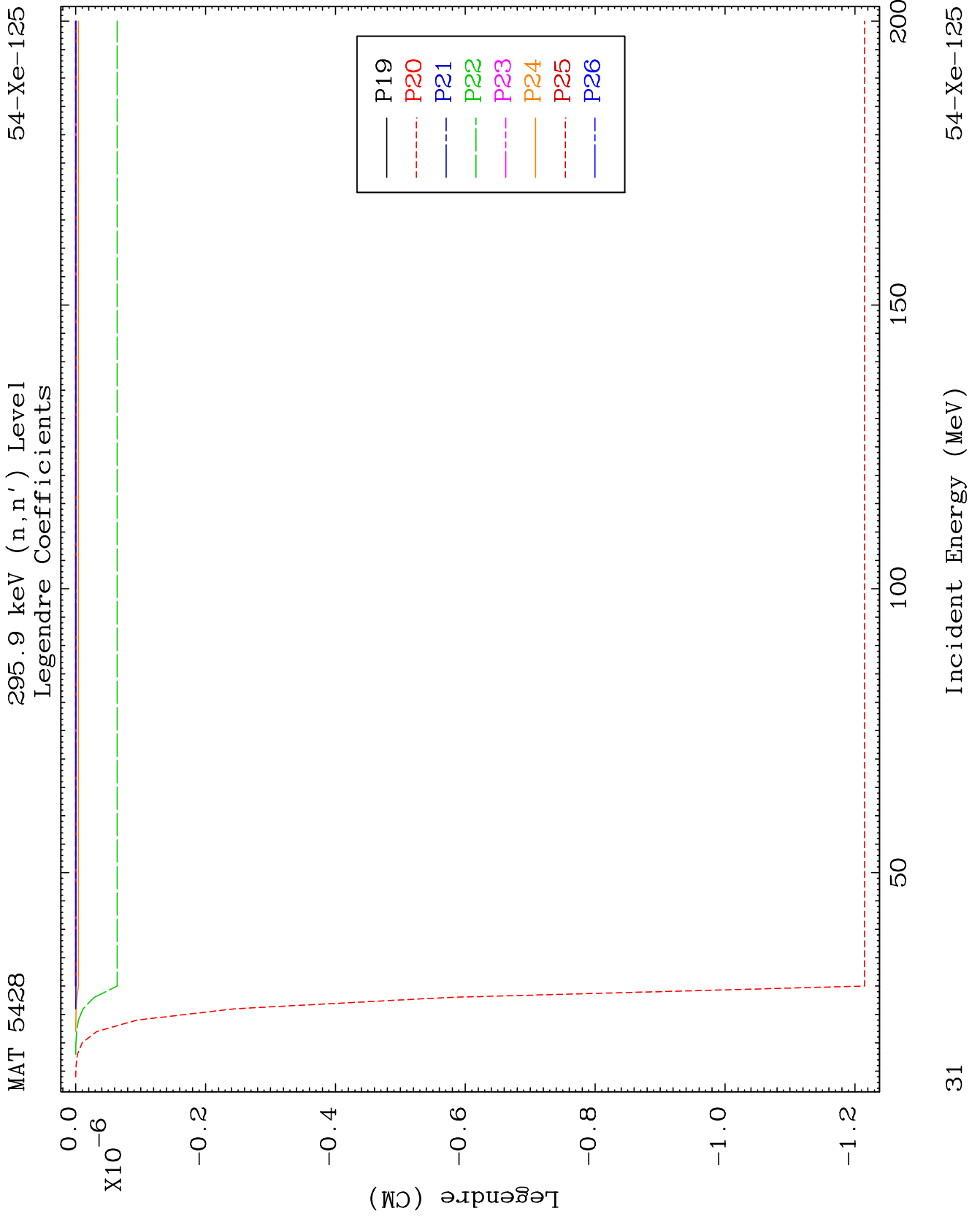
54-Xe-125



54-Xe-125

Incident Energy (MeV)

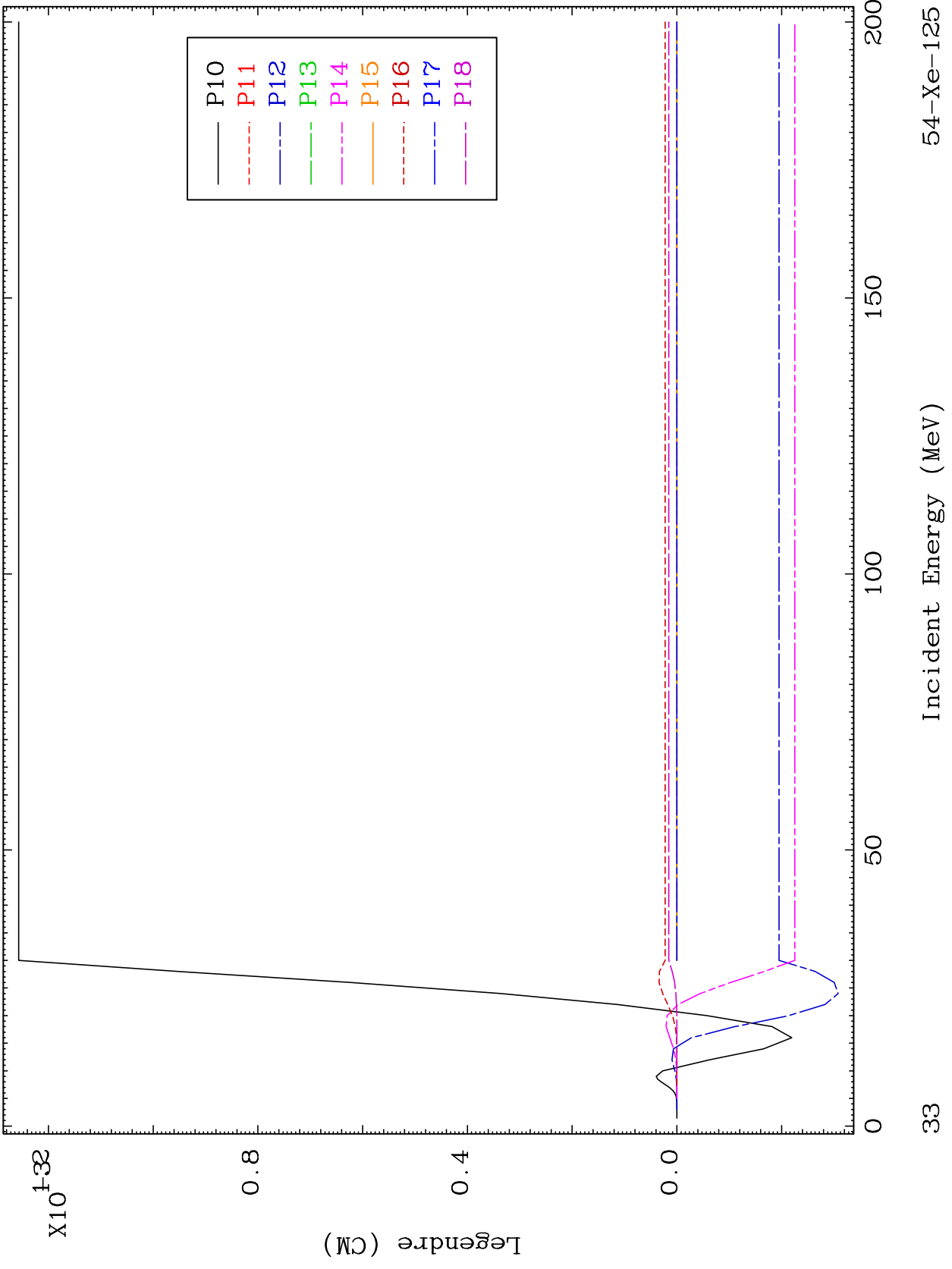
30



MAT 5428

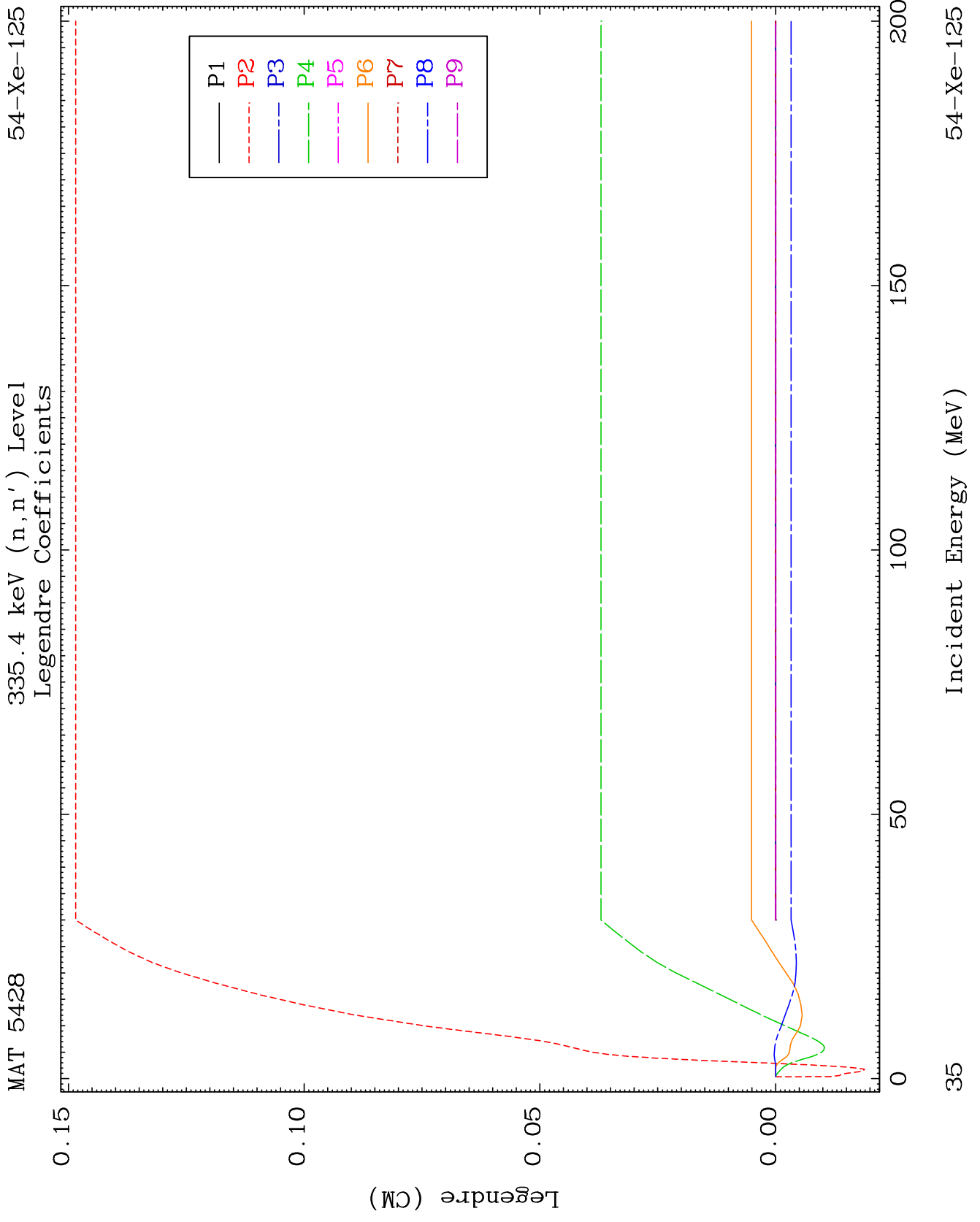
310.5 keV (n,n') Level
Legendre Coefficients

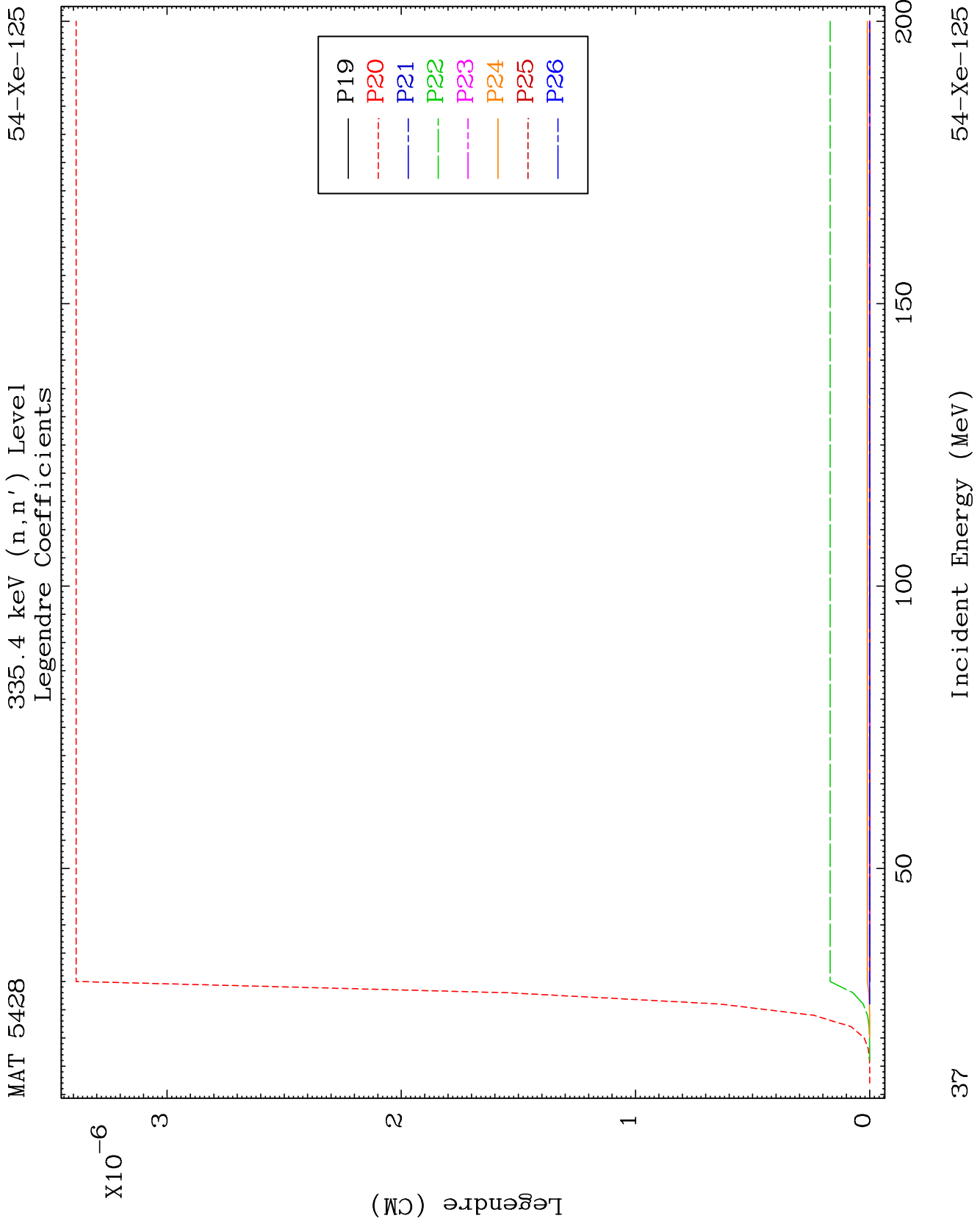
54-Xe-125



33

54-Xe-125

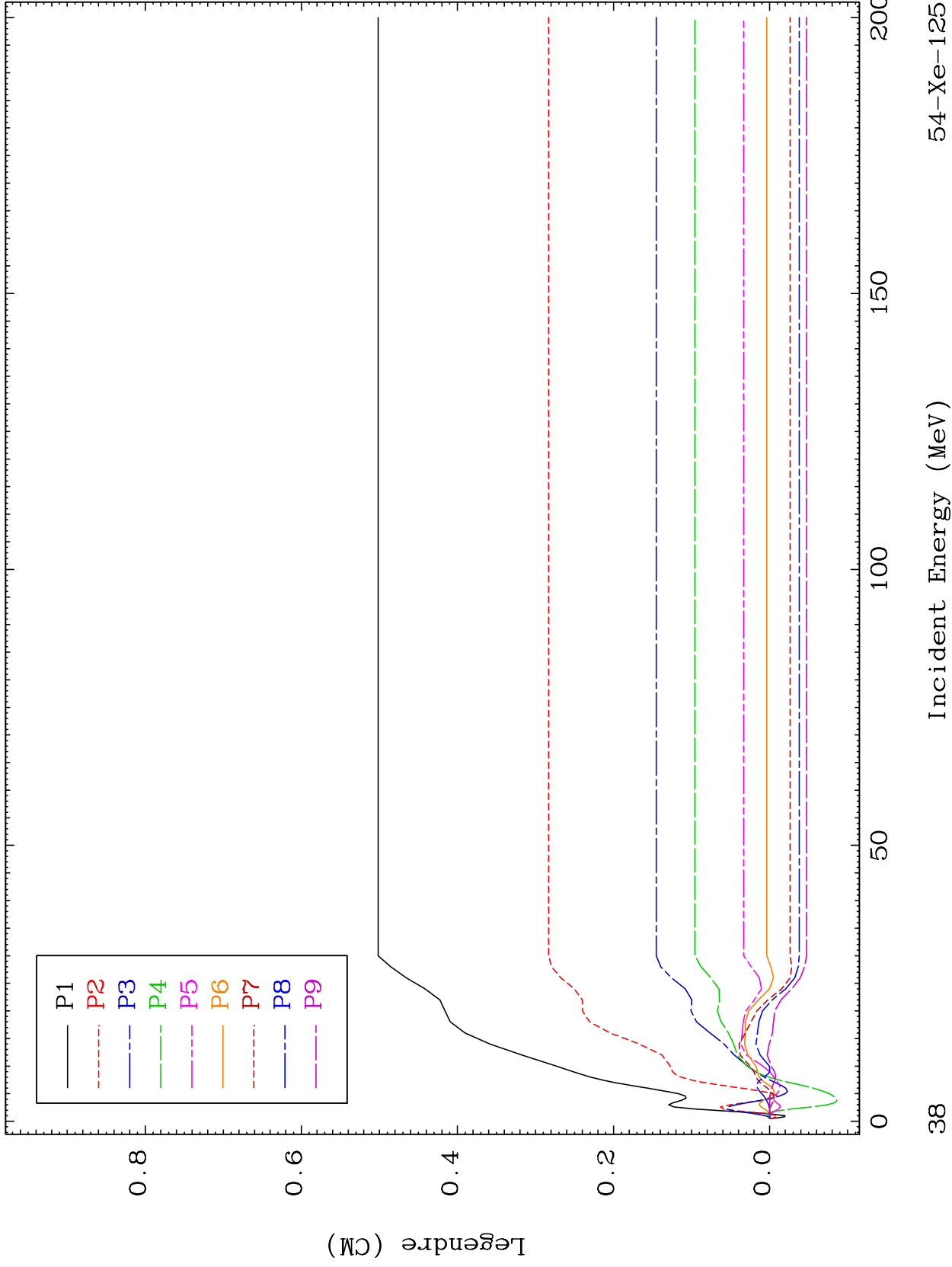




MAT 5428

471.1 keV (n,n') Level
Legendre Coefficients

54-Xe-125



38

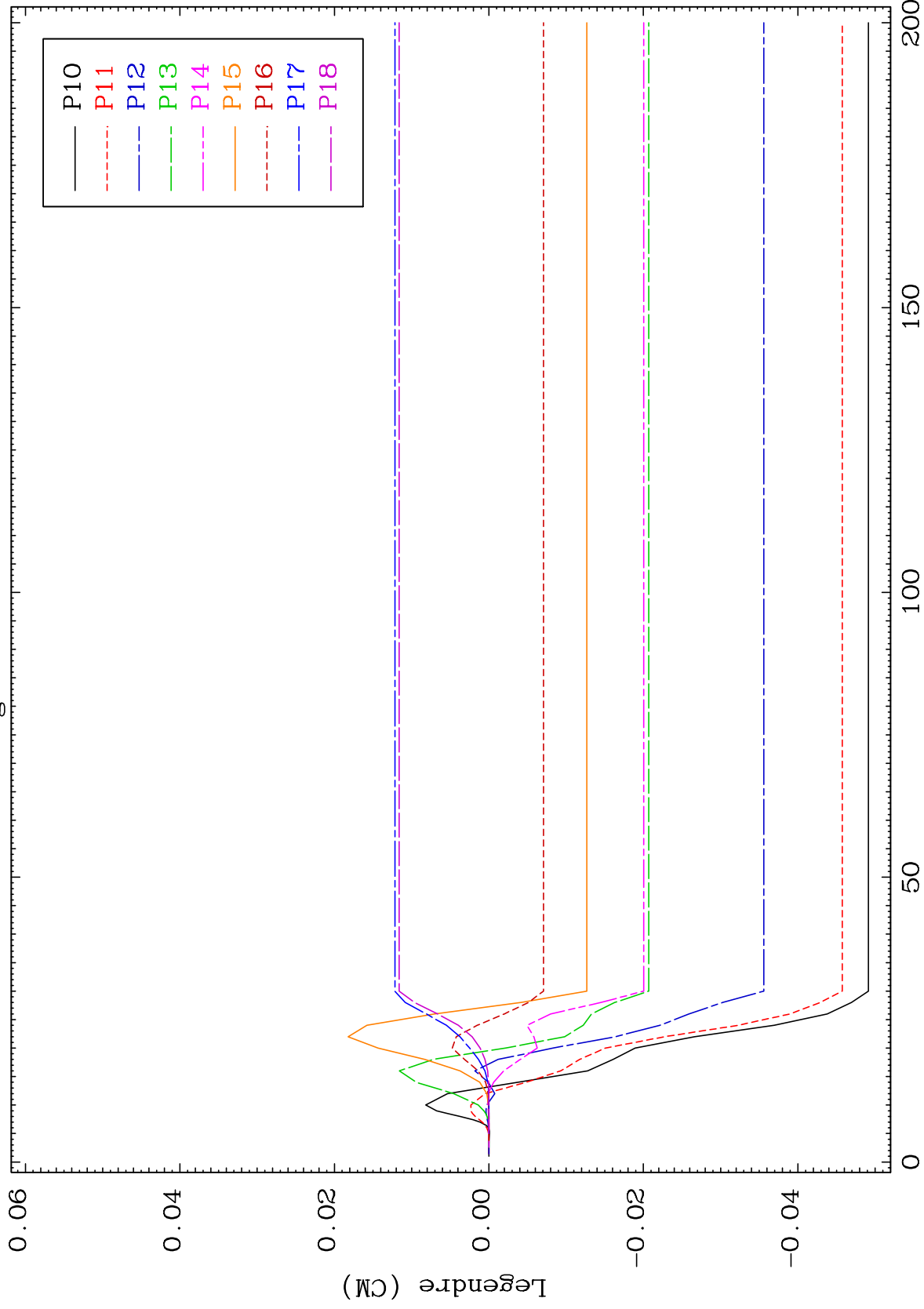
Incident Energy (MeV)

54-Xe-125

MAT 5428

471.1 keV (n,n') Level
Legendre Coefficients

54-Xe-125



39

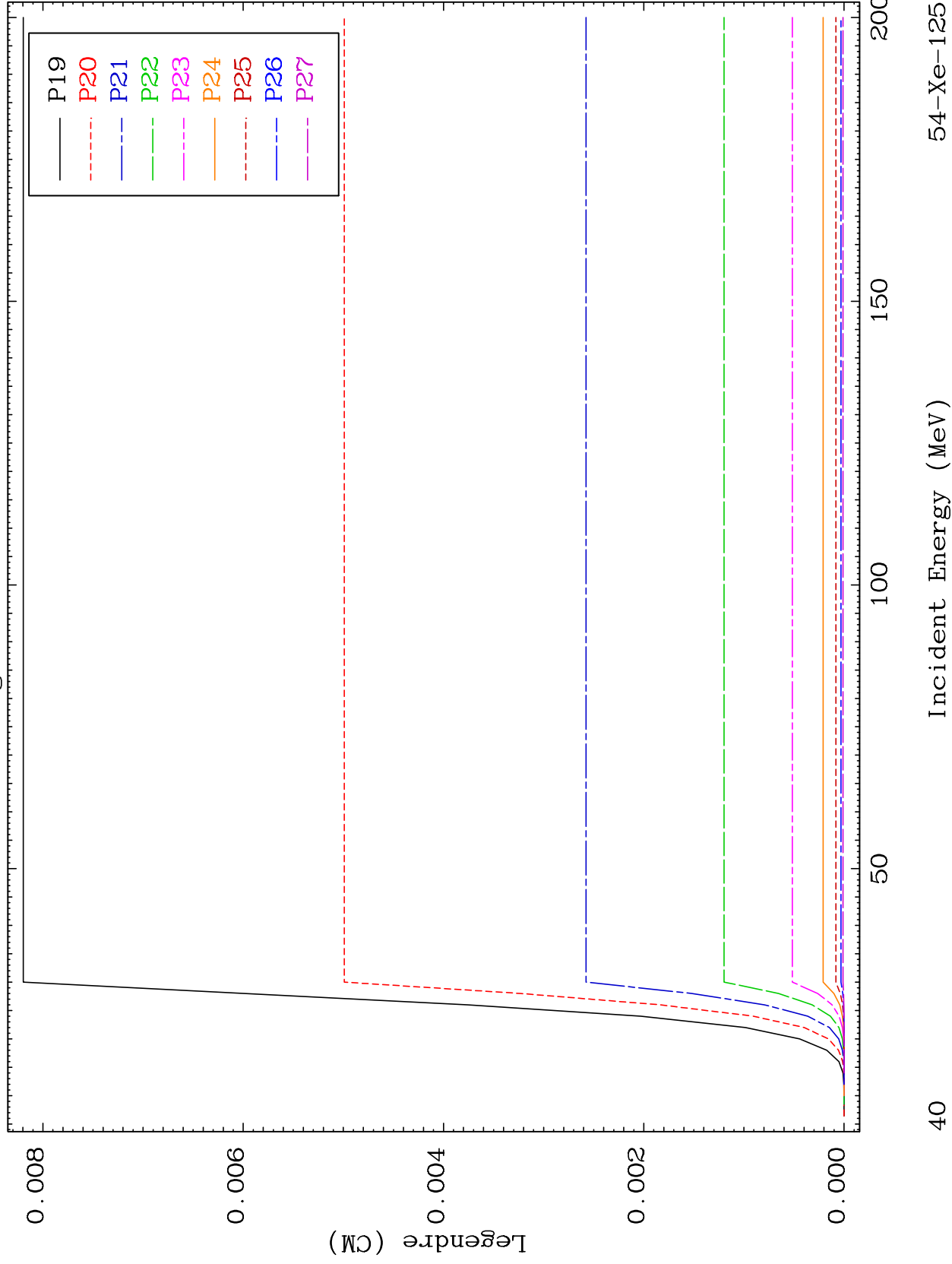
Incident Energy (MeV)

54-Xe-125

MAT 5428

471.1 keV (n,n') Level
Legendre Coefficients

54-Xe-125



40

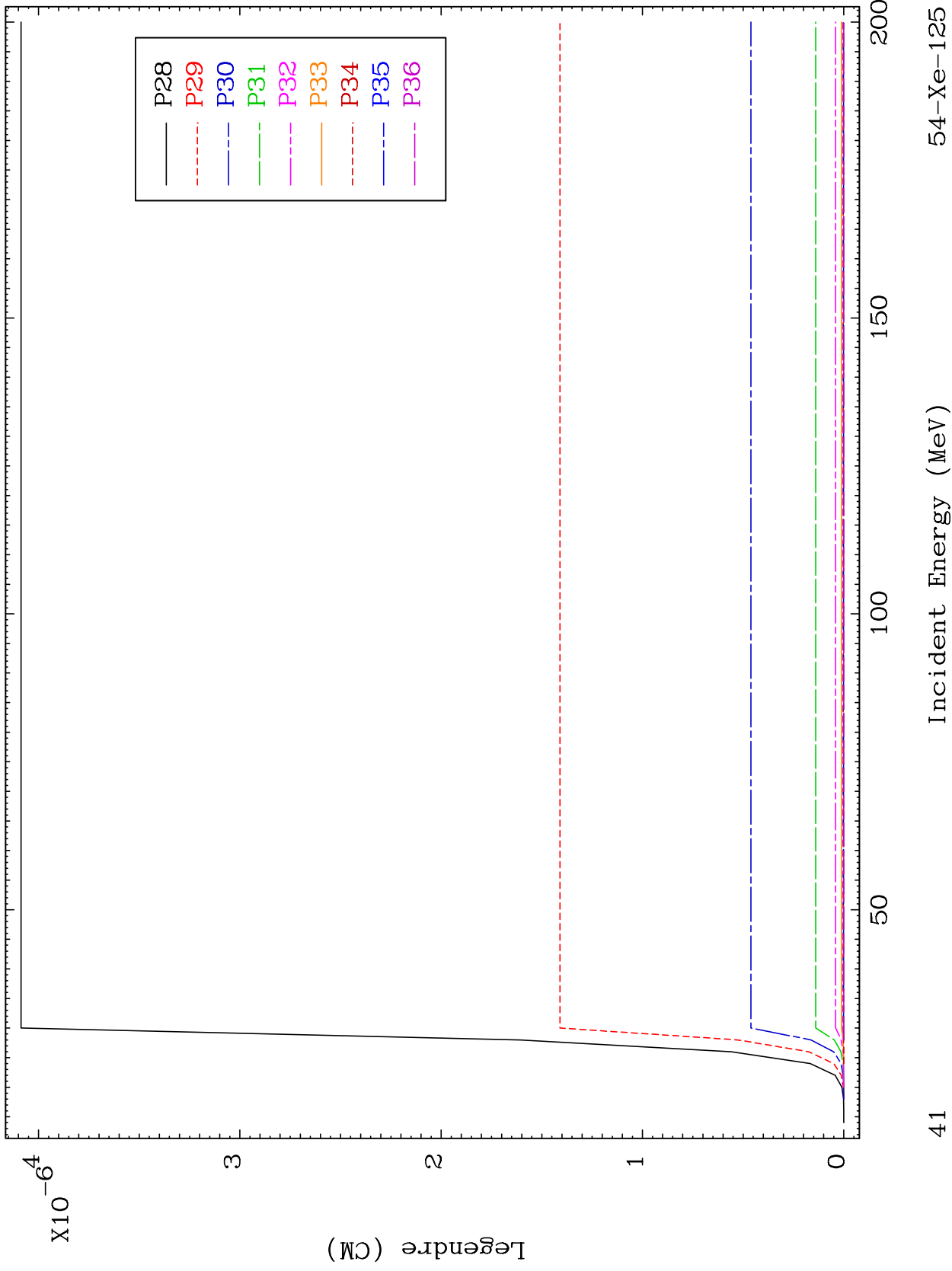
Incident Energy (MeV)

54-Xe-125

MAT 5428

471.1 keV (n,n') Level
Legendre Coefficients

54-Xe-125

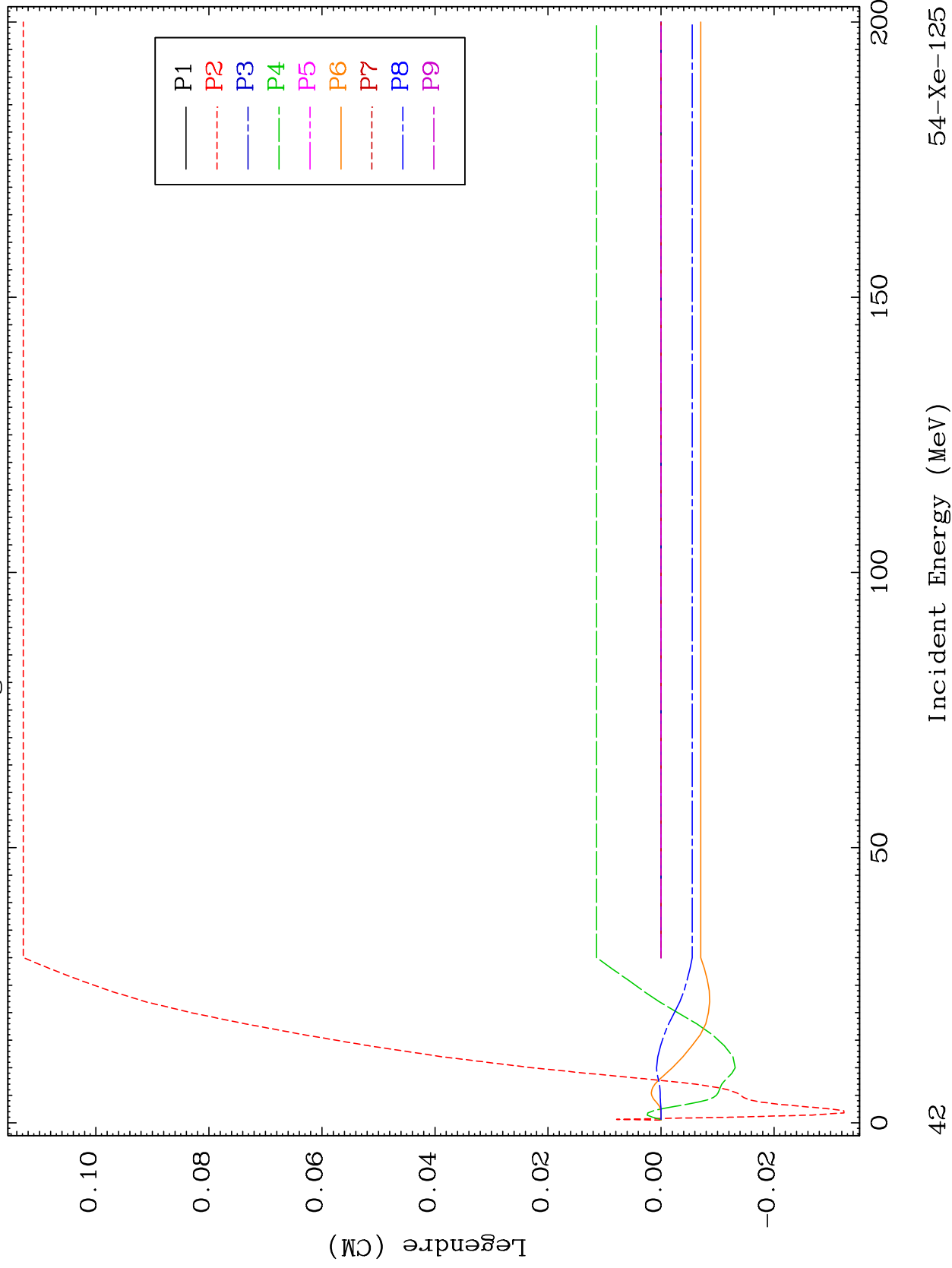


41

MAT 5428

483.7 keV (n, n') Level
Legendre Coefficients

54-Xe-125



54-Xe-125

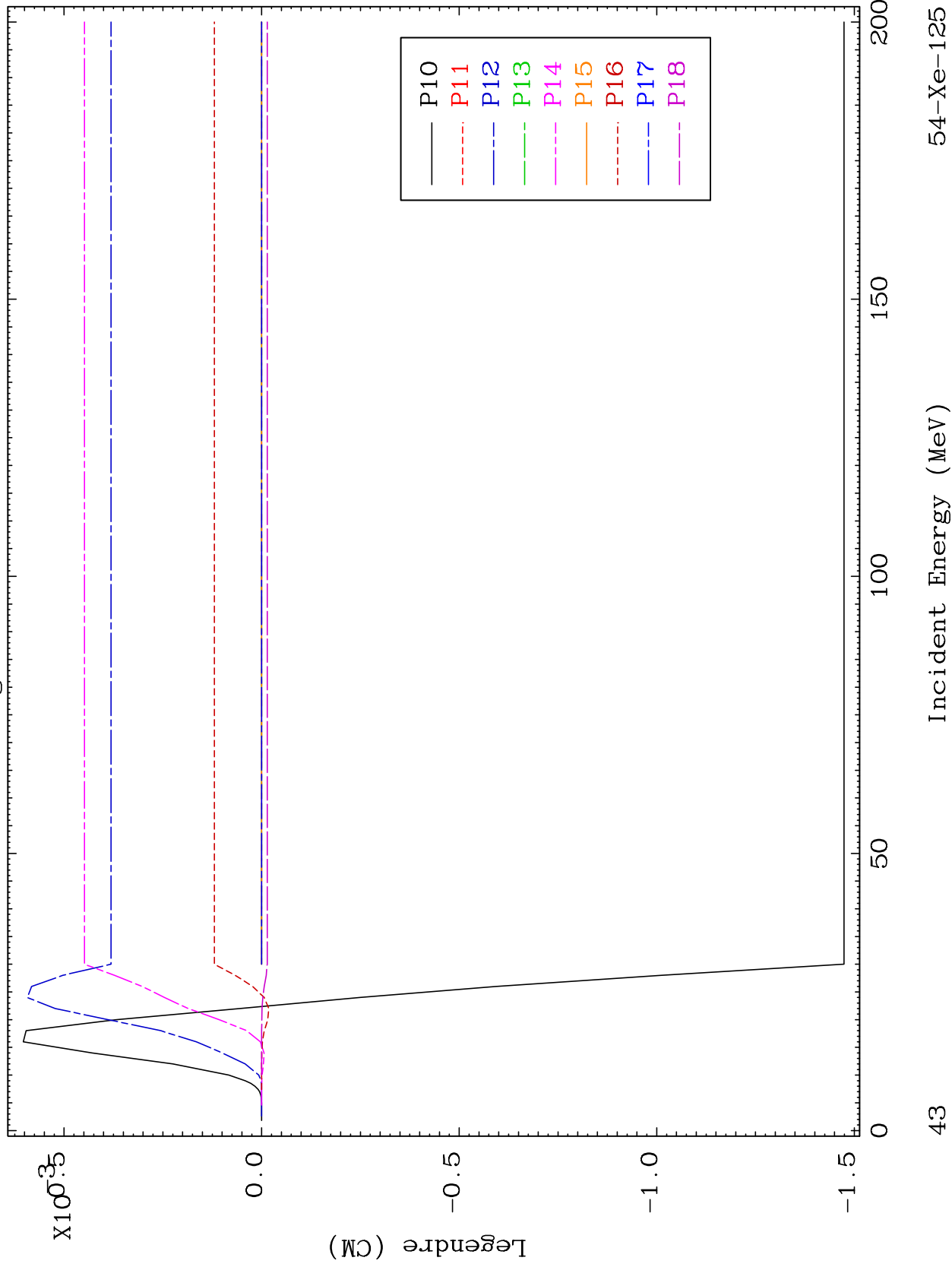
Incident Energy (MeV)

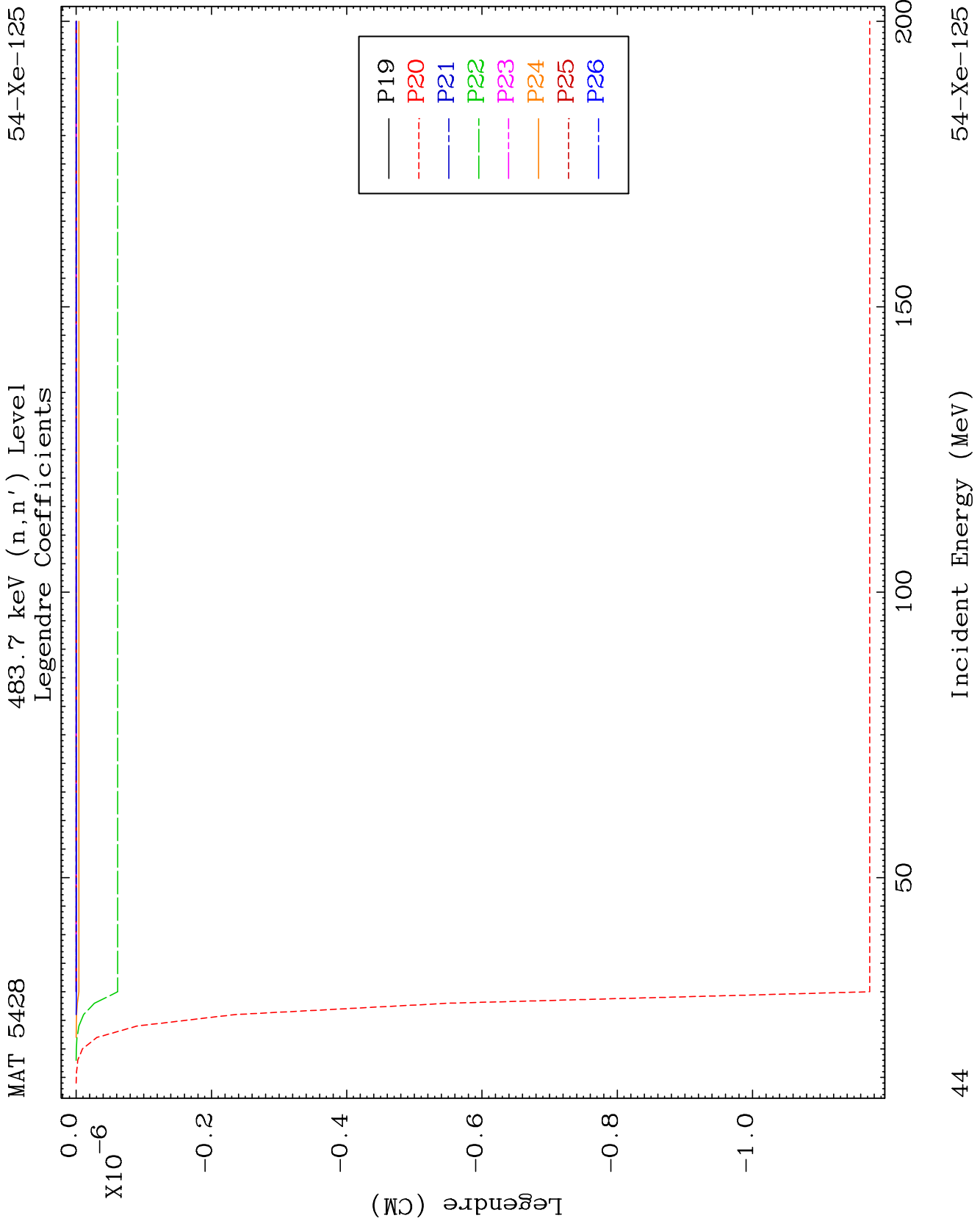
42

MAT 5428

483.7 keV (n,n') Level
Legendre Coefficients

54-Xe-125

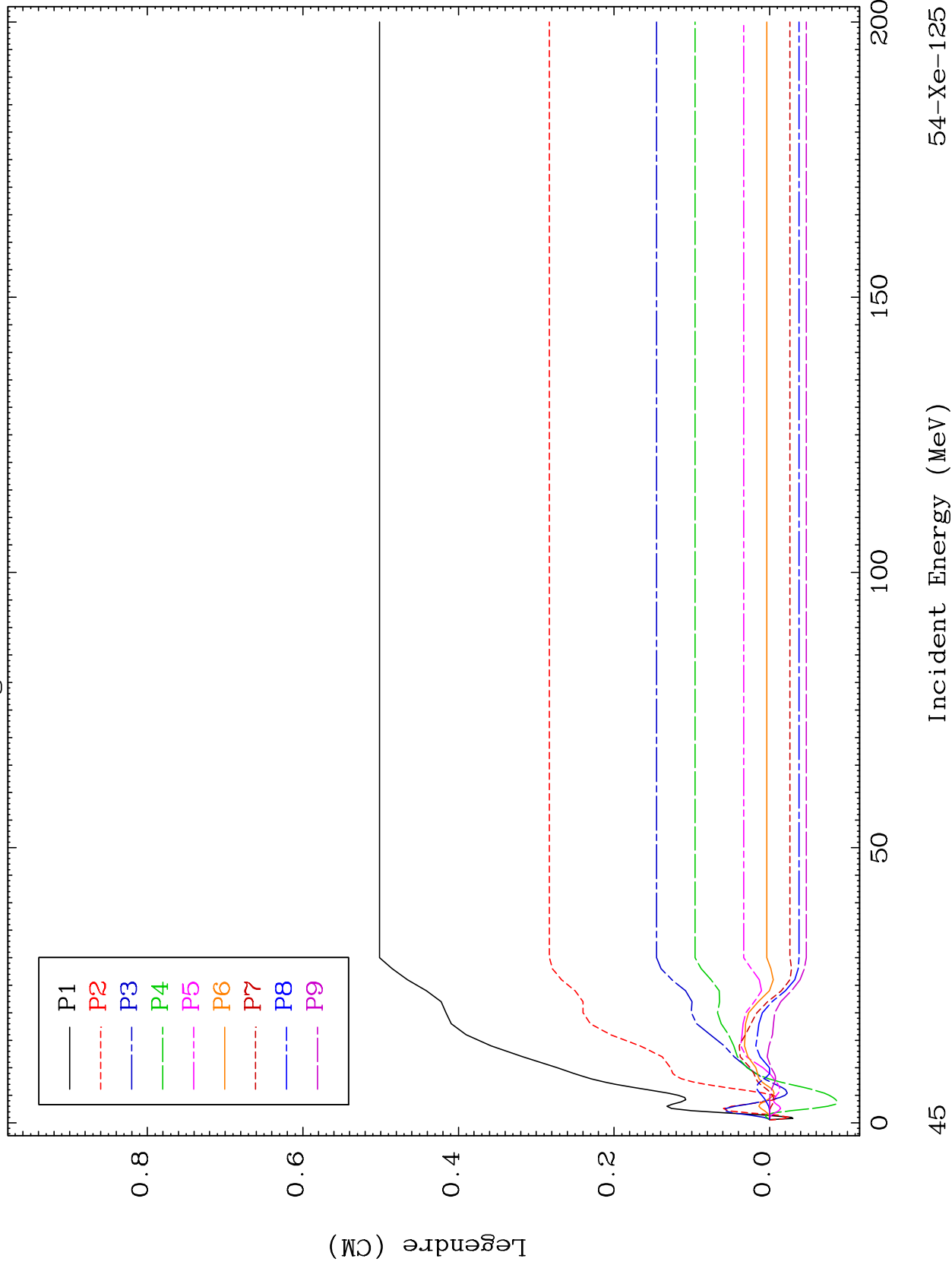




MAT 5428

497.0 keV (n,n') Level
Legendre Coefficients

54-Xe-125



54-Xe-125

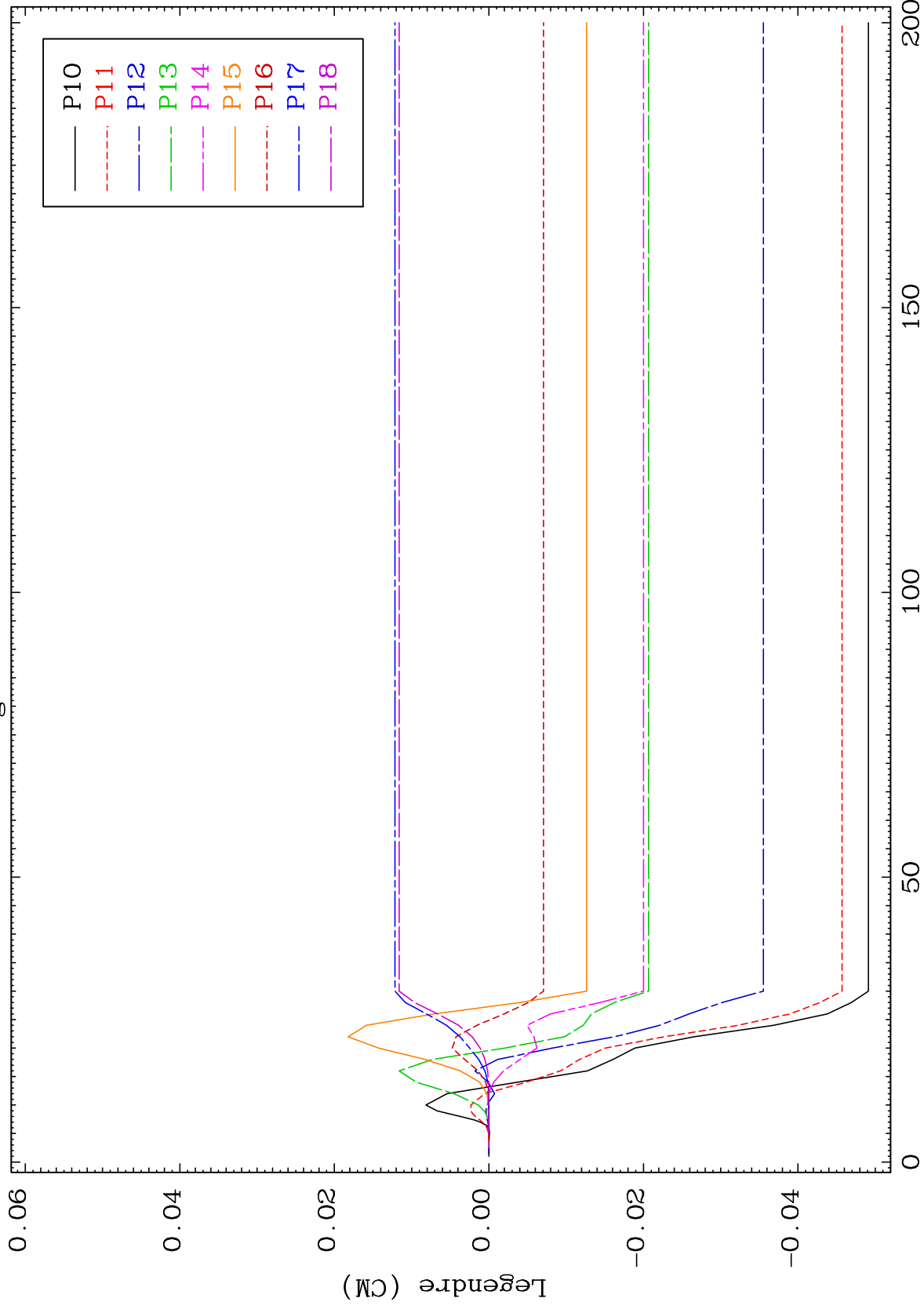
Incident Energy (MeV)

45

MAT 5428

497.0 keV (n,n') Level
Legendre Coefficients

54-Xe-125



46

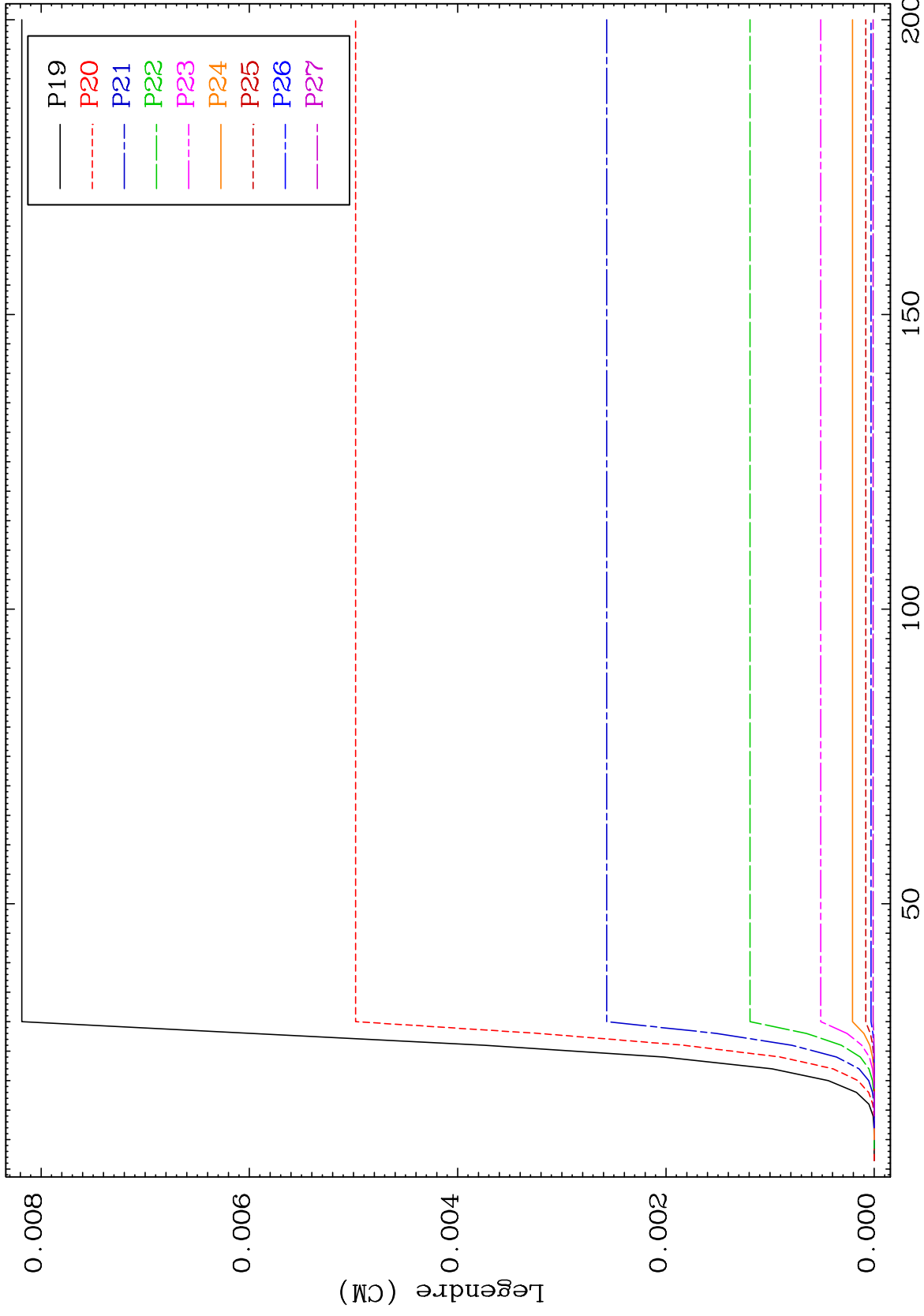
Incident Energy (MeV)

54-Xe-125

MAT 5428

497.0 keV (n,n') Level
Legendre Coefficients

54-Xe-125



47

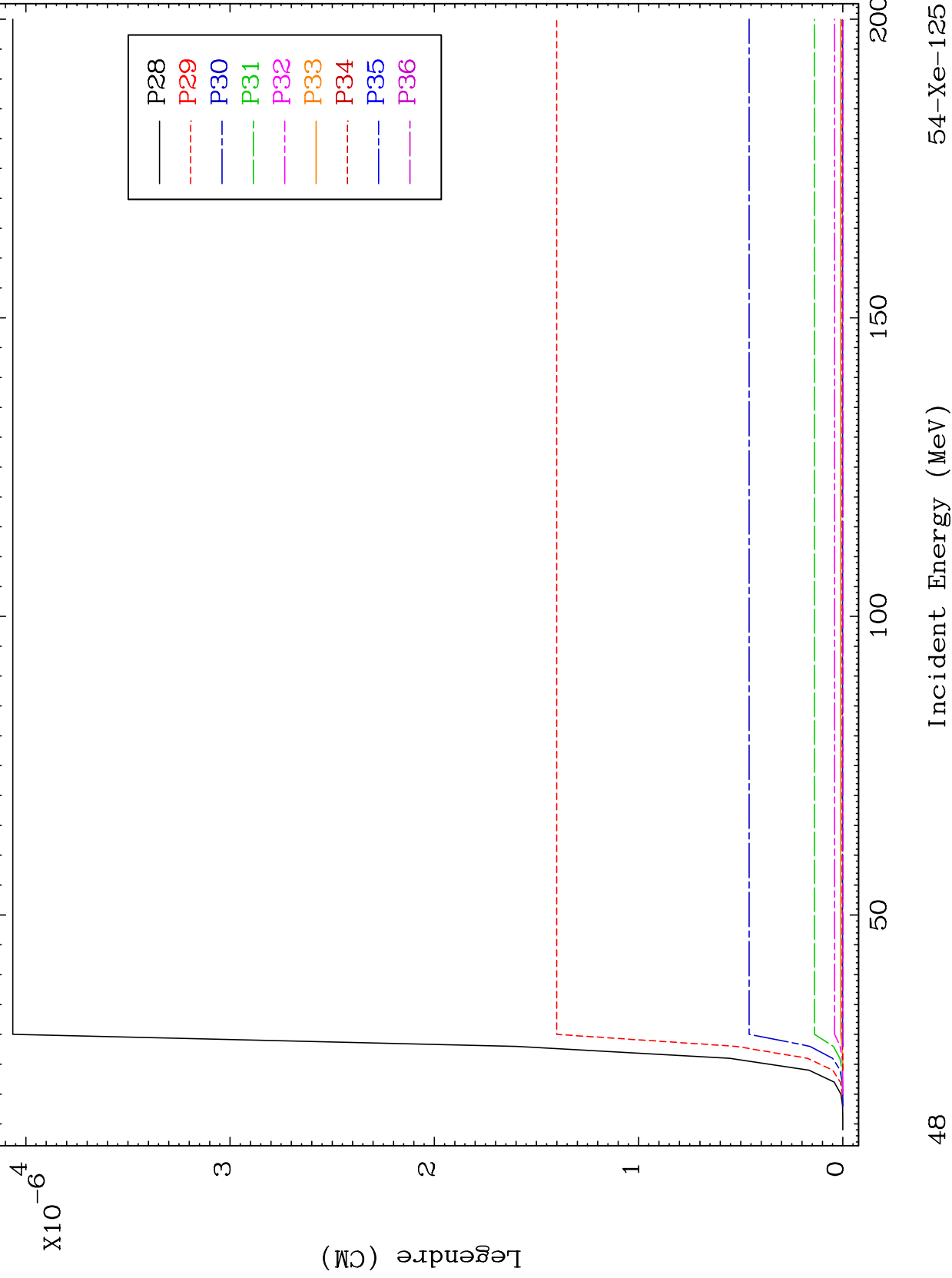
Incident Energy (MeV)

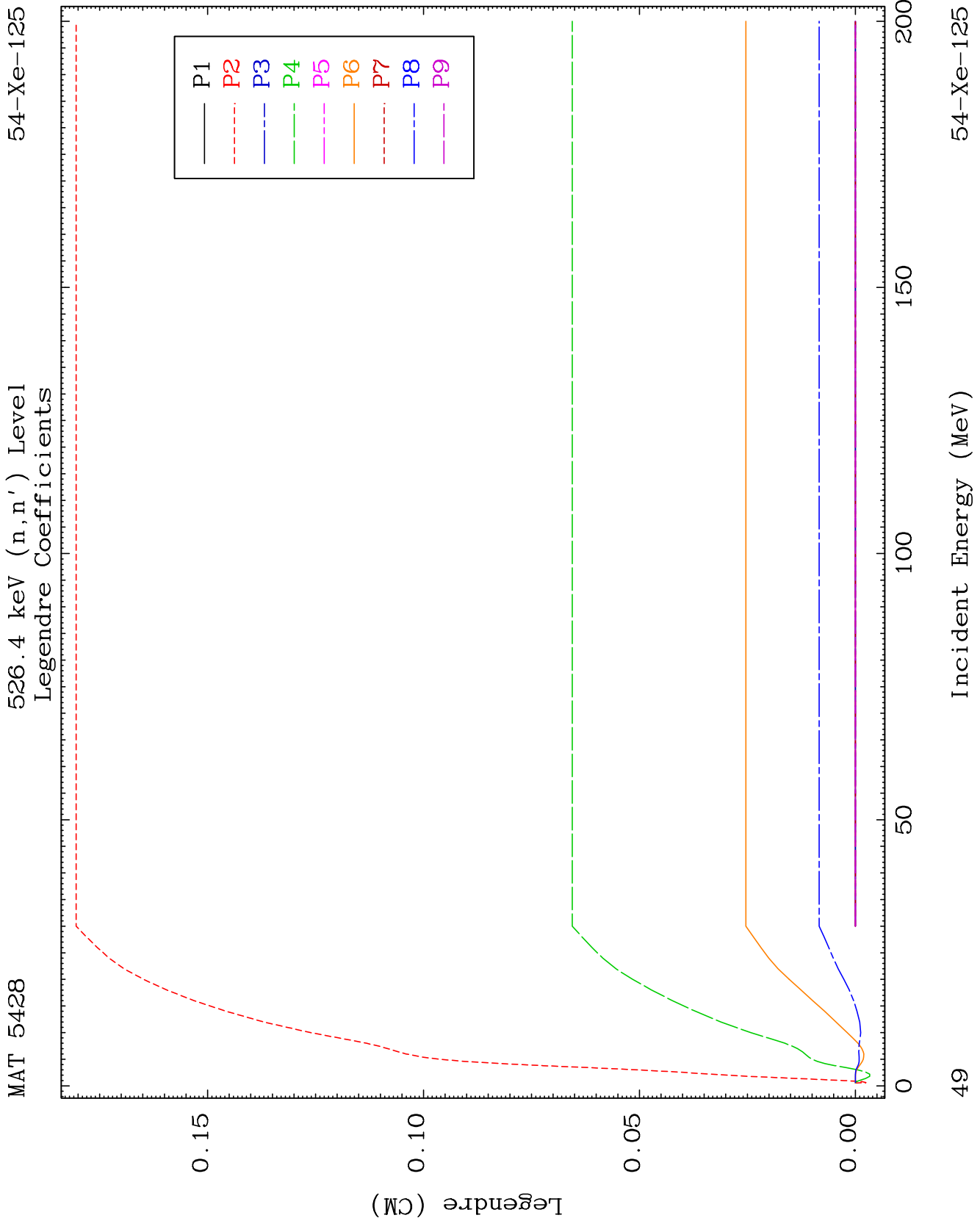
54-Xe-125

MAT 5428

497.0 keV (n,n') Level
Legendre Coefficients

54-Xe-125

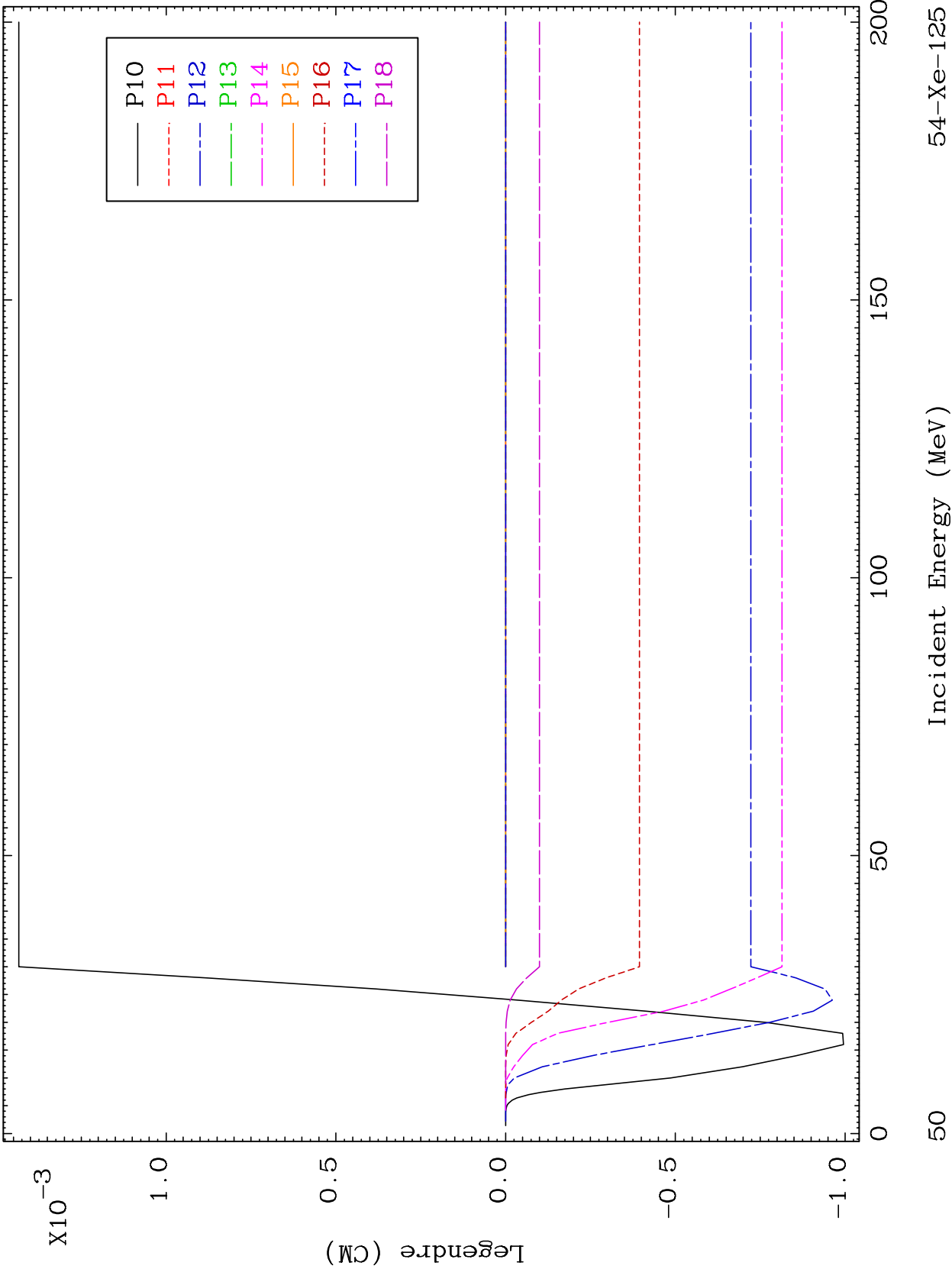




MAT 5428

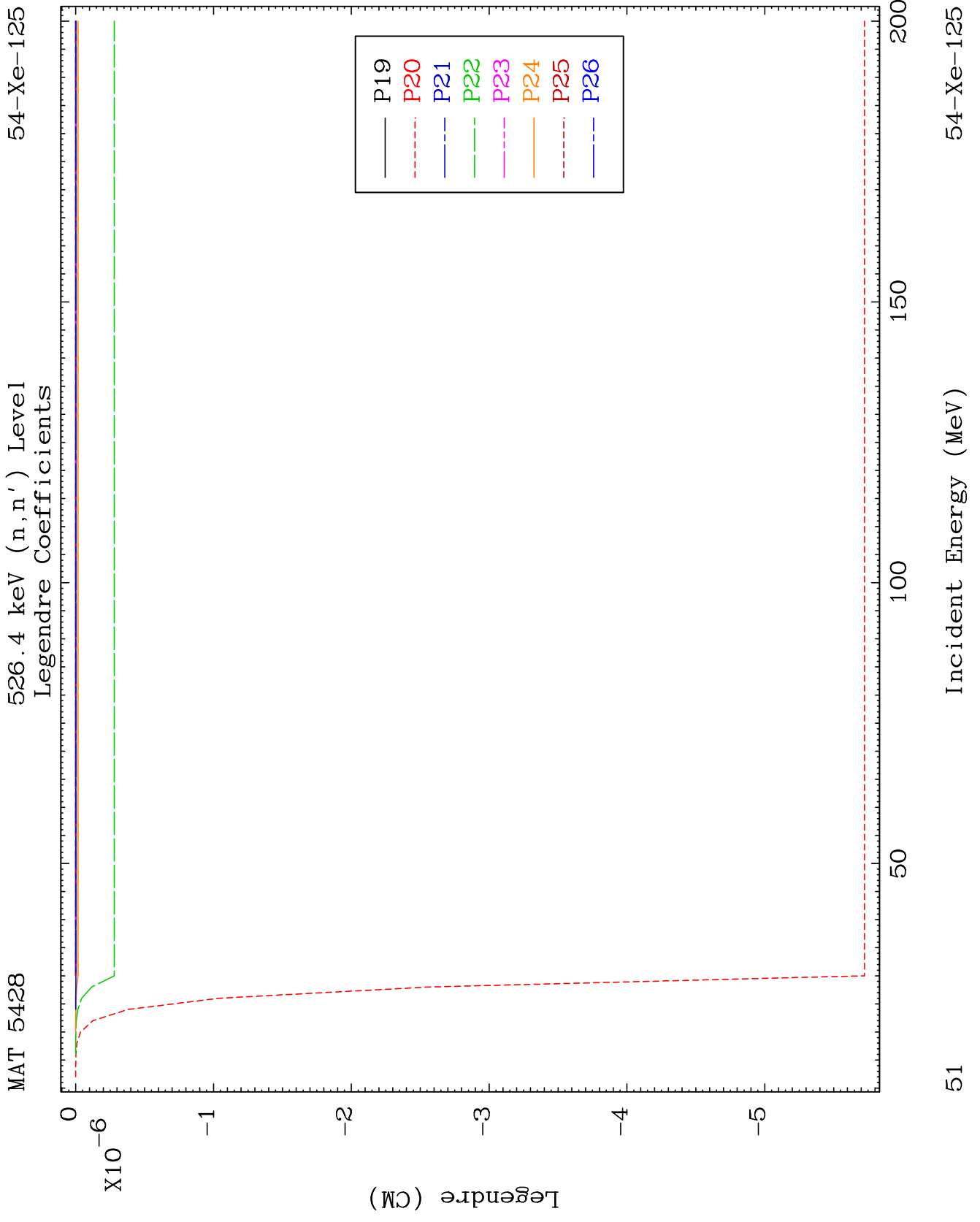
526.4 keV (n,n') Level
Legendre Coefficients

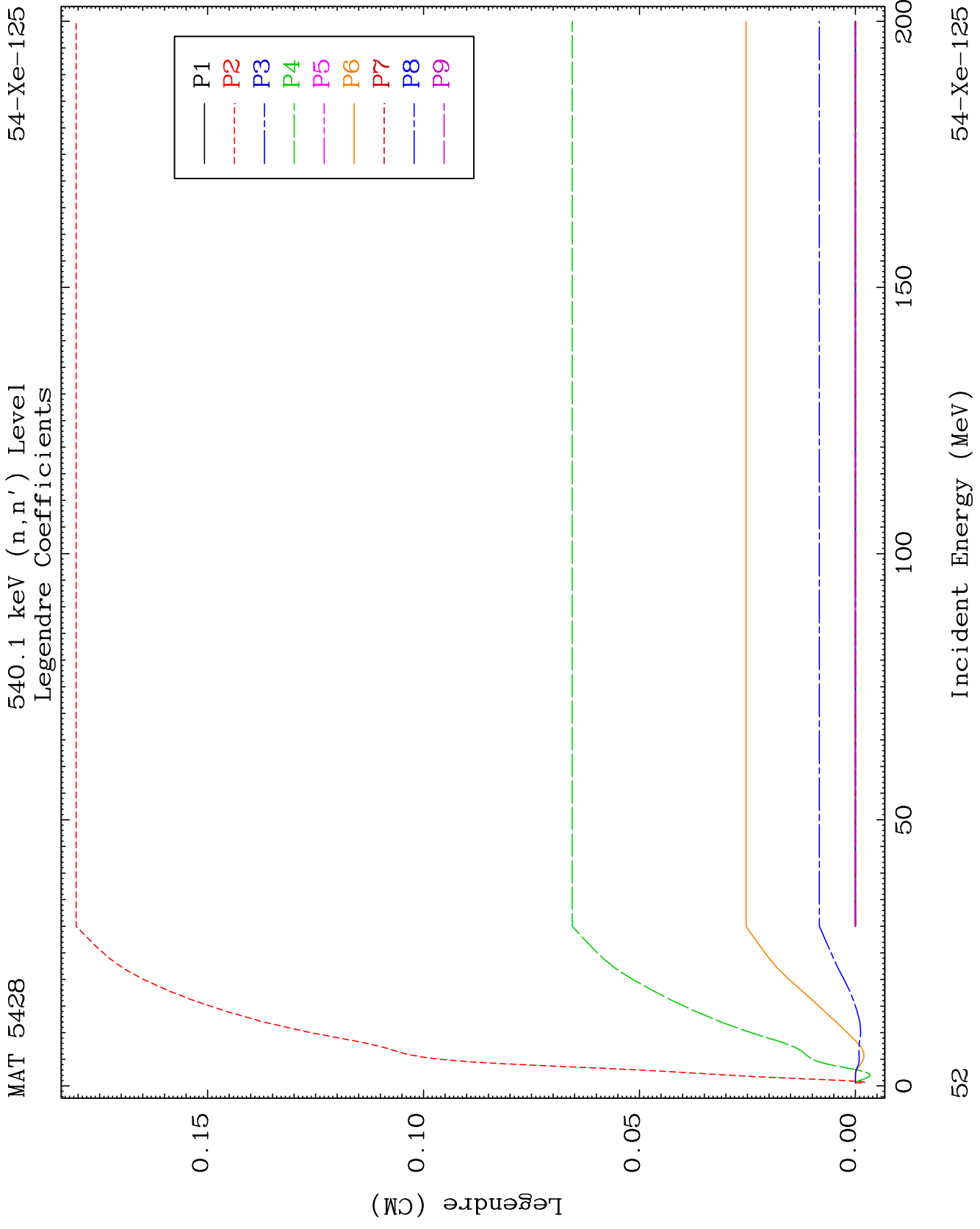
54-Xe-125

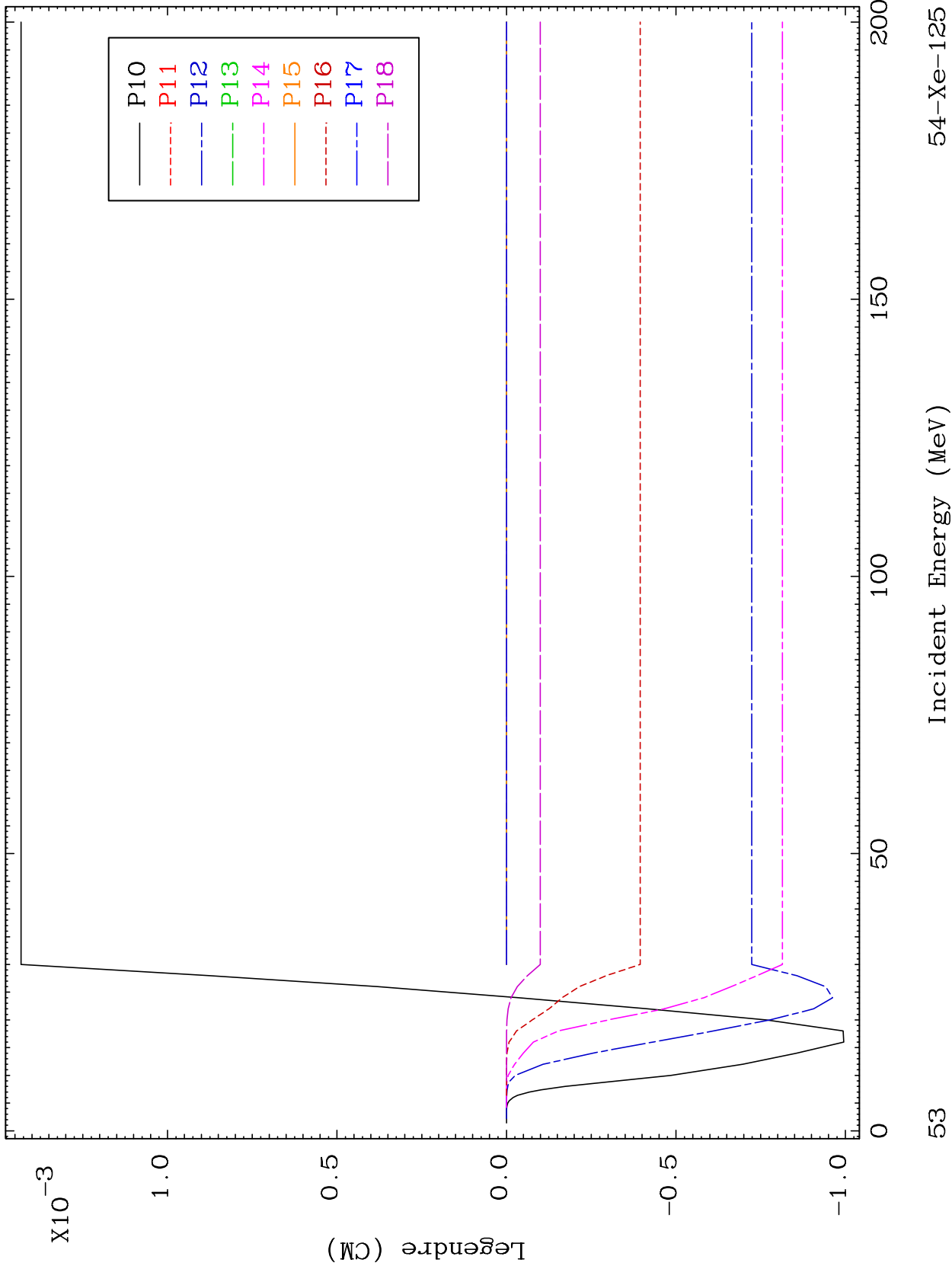


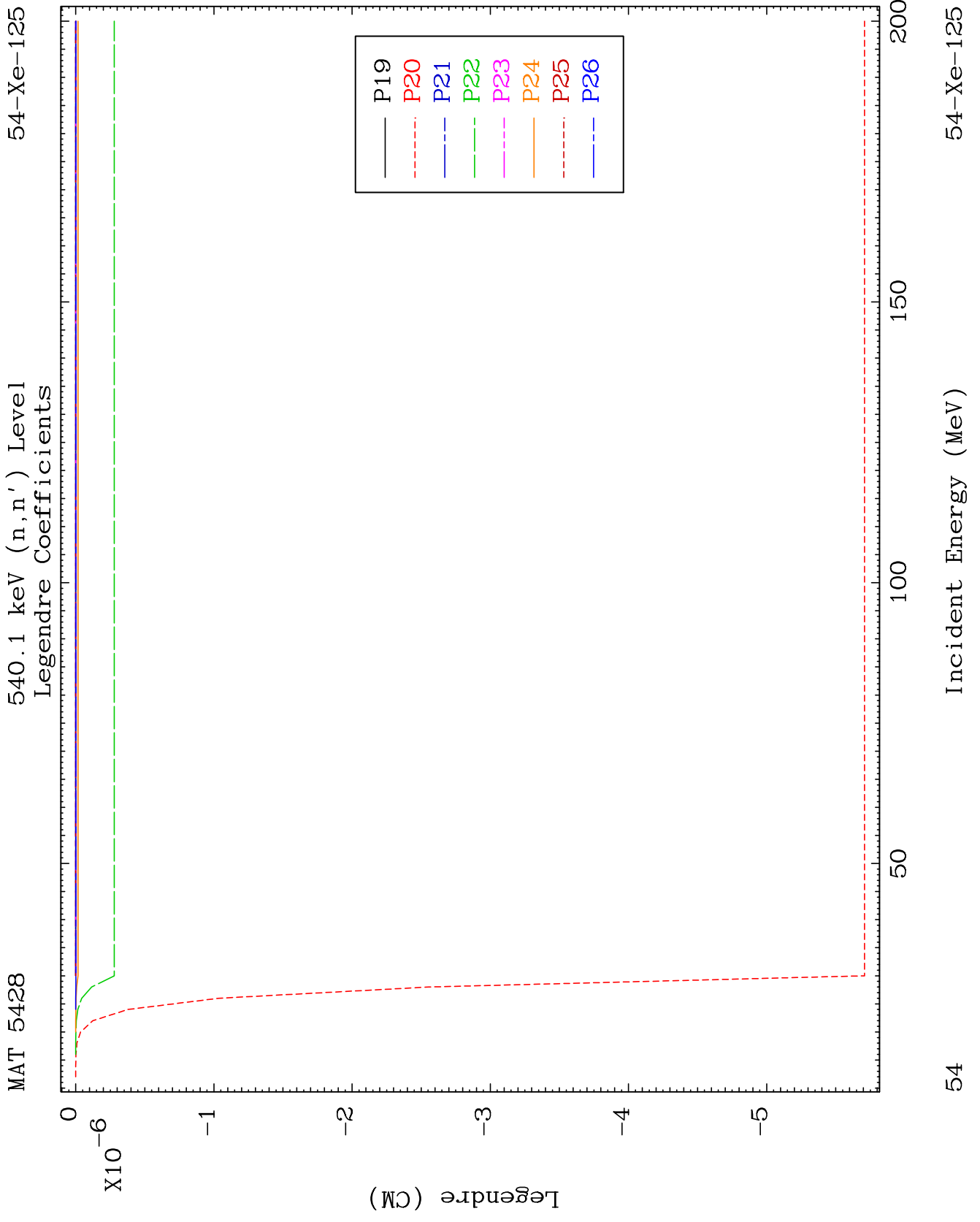
54-Xe-125

Incident Energy (MeV)





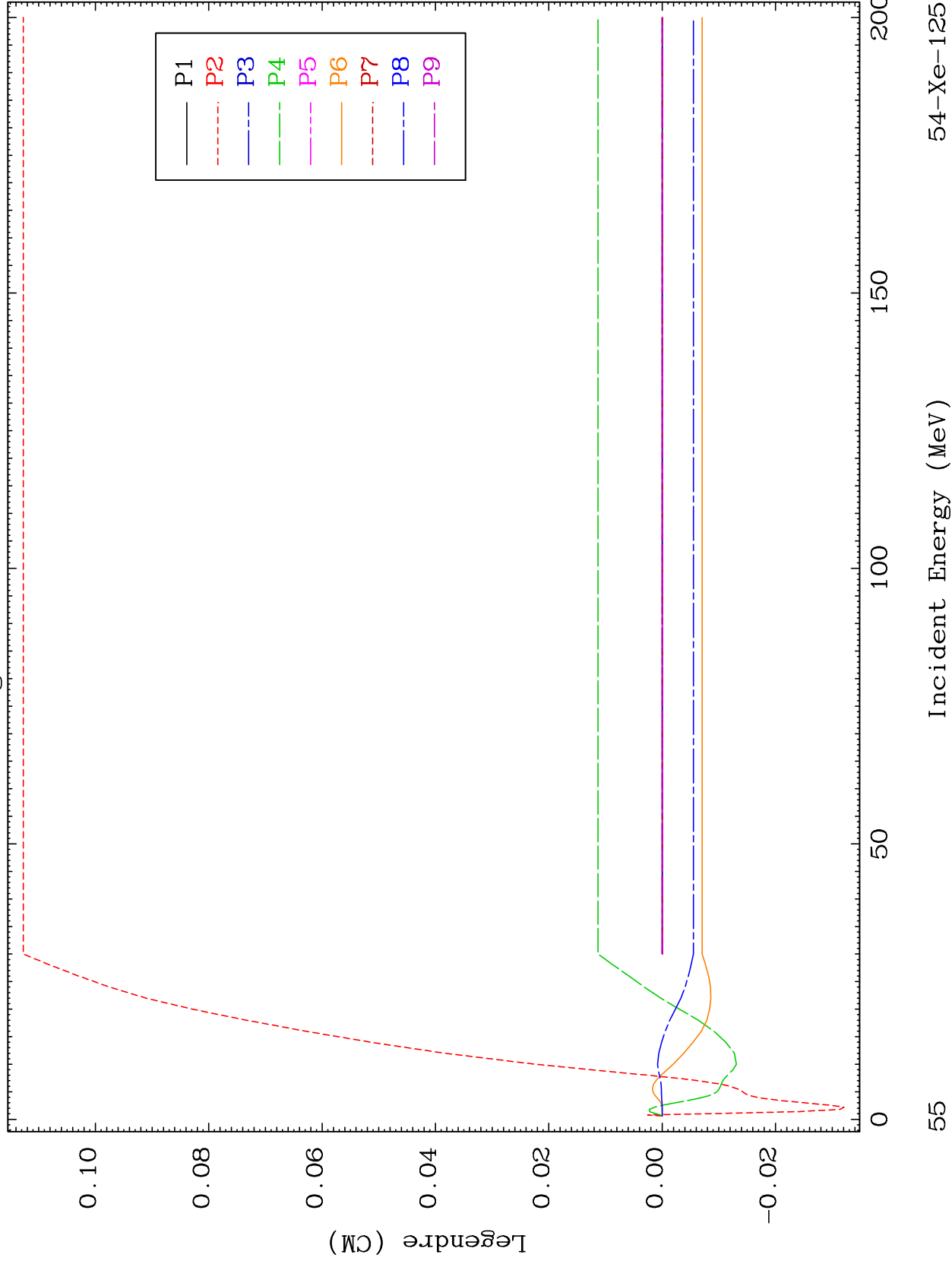




MAT 5428

594.1 keV (n, n') Level
Legendre Coefficients

54-Xe-125



54-Xe-125

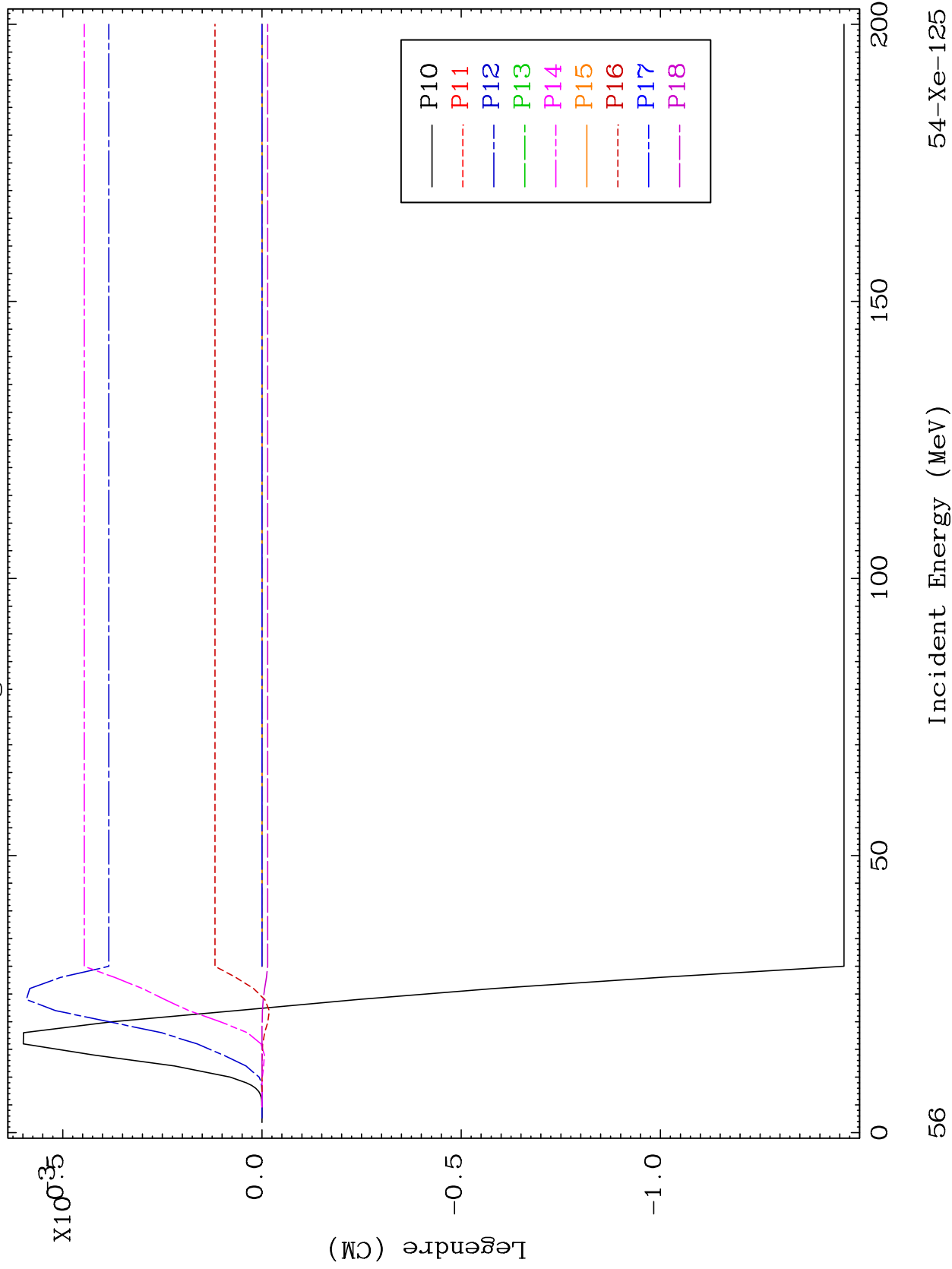
Incident Energy (MeV)

55

MAT 5428

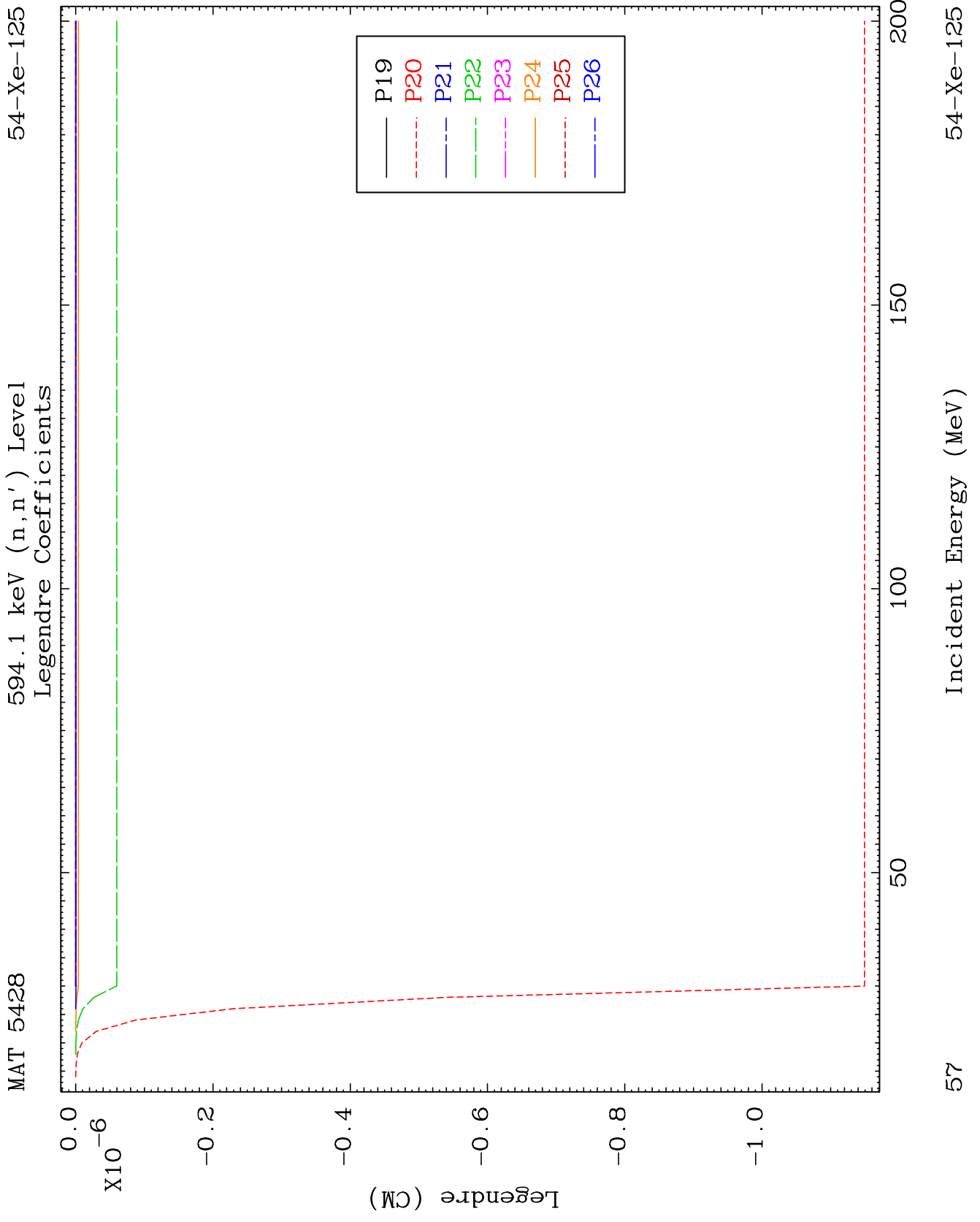
594.1 keV (n,n') Level
Legendre Coefficients

54-Xe-125



56

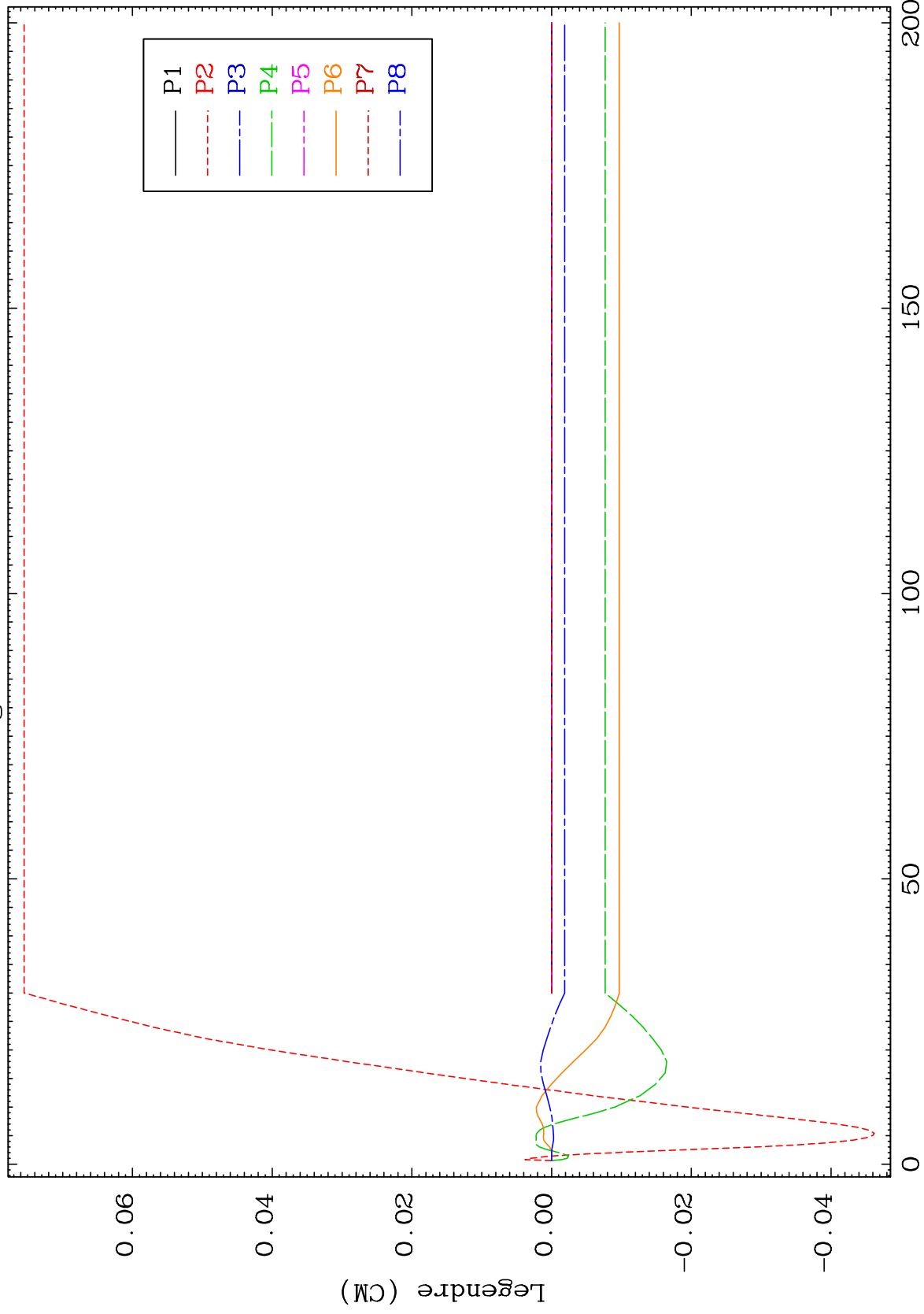
54-Xe-125



MAT 5428

596.8 keV (n,n') Level
Legendre Coefficients

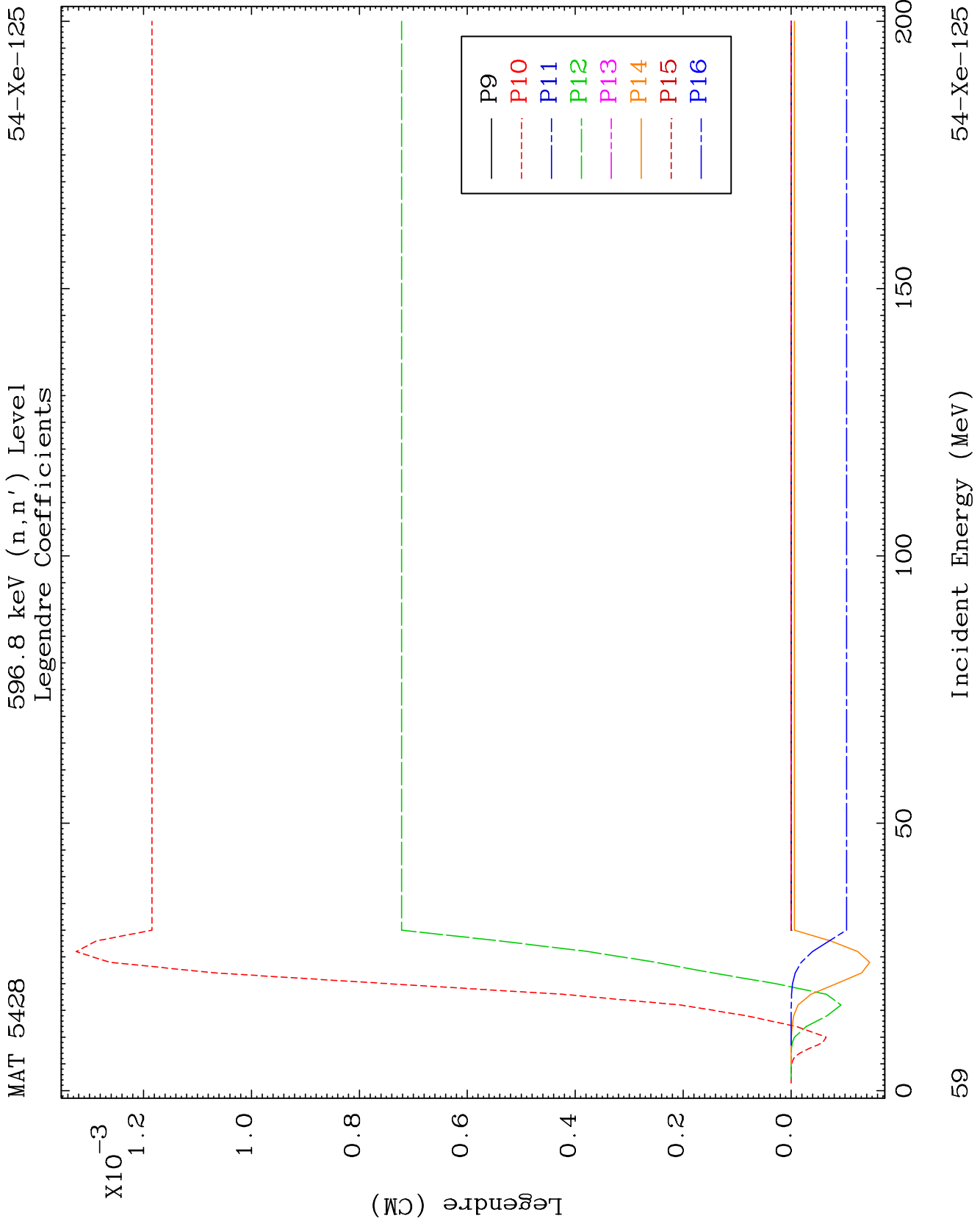
54-Xe-125

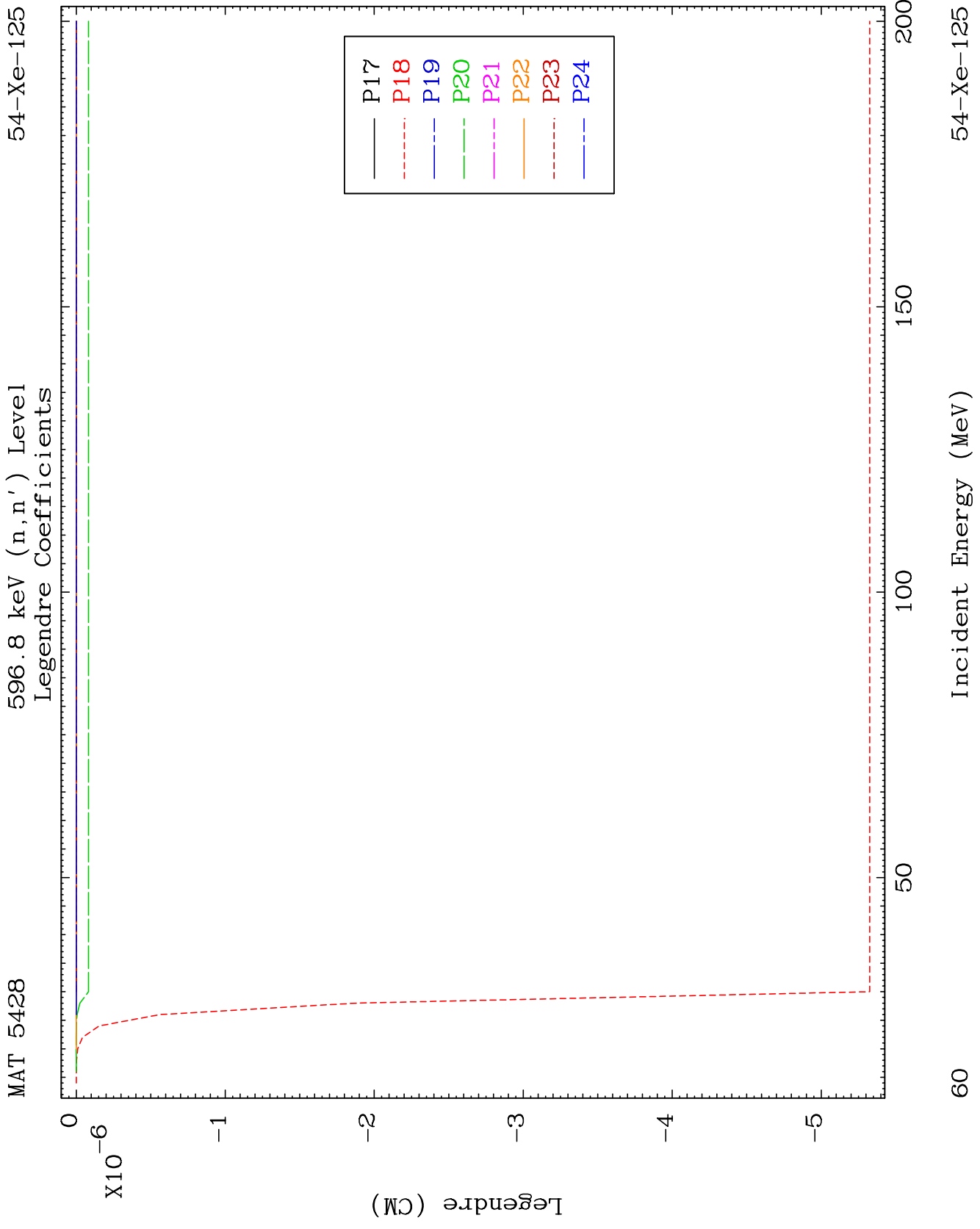


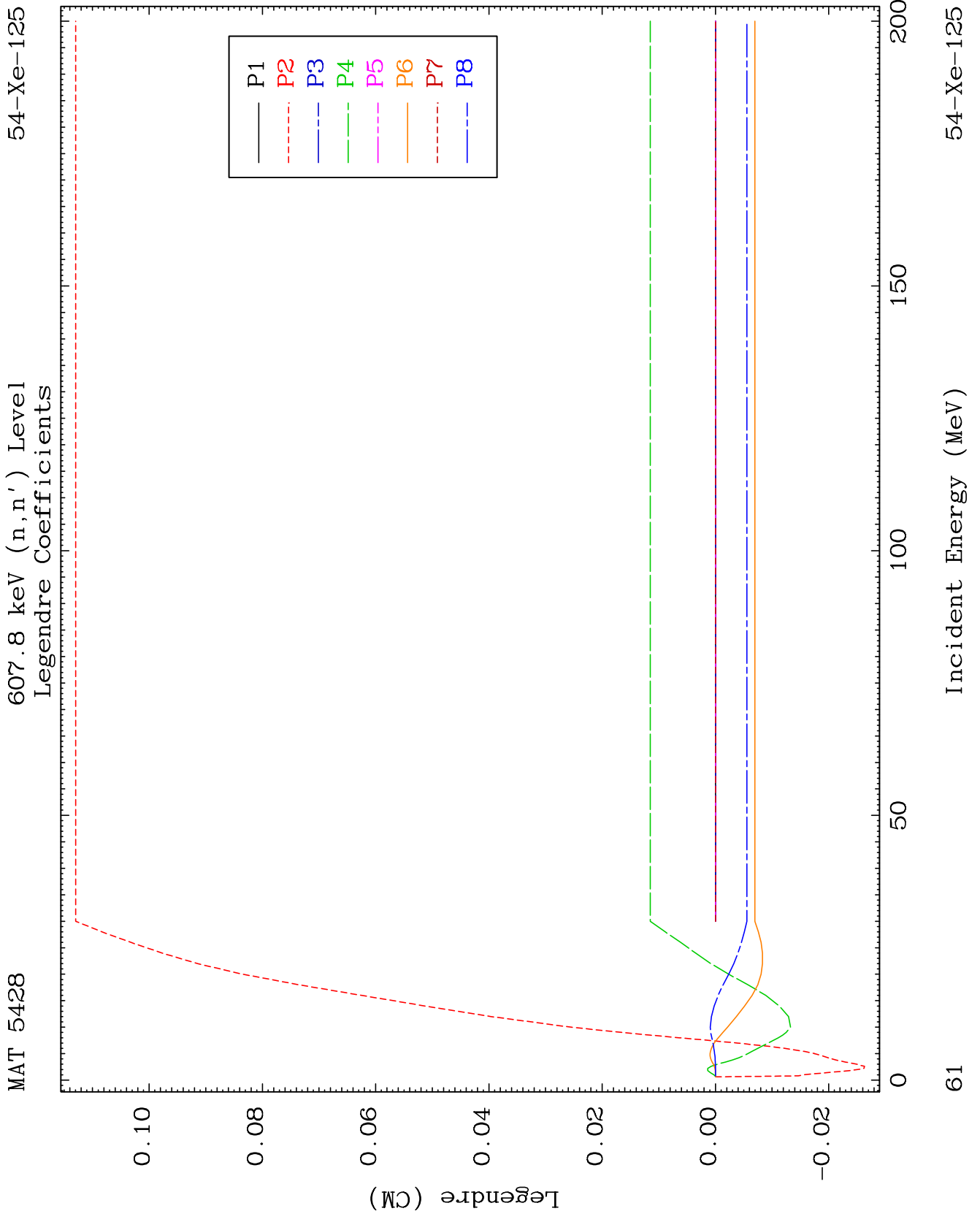
58

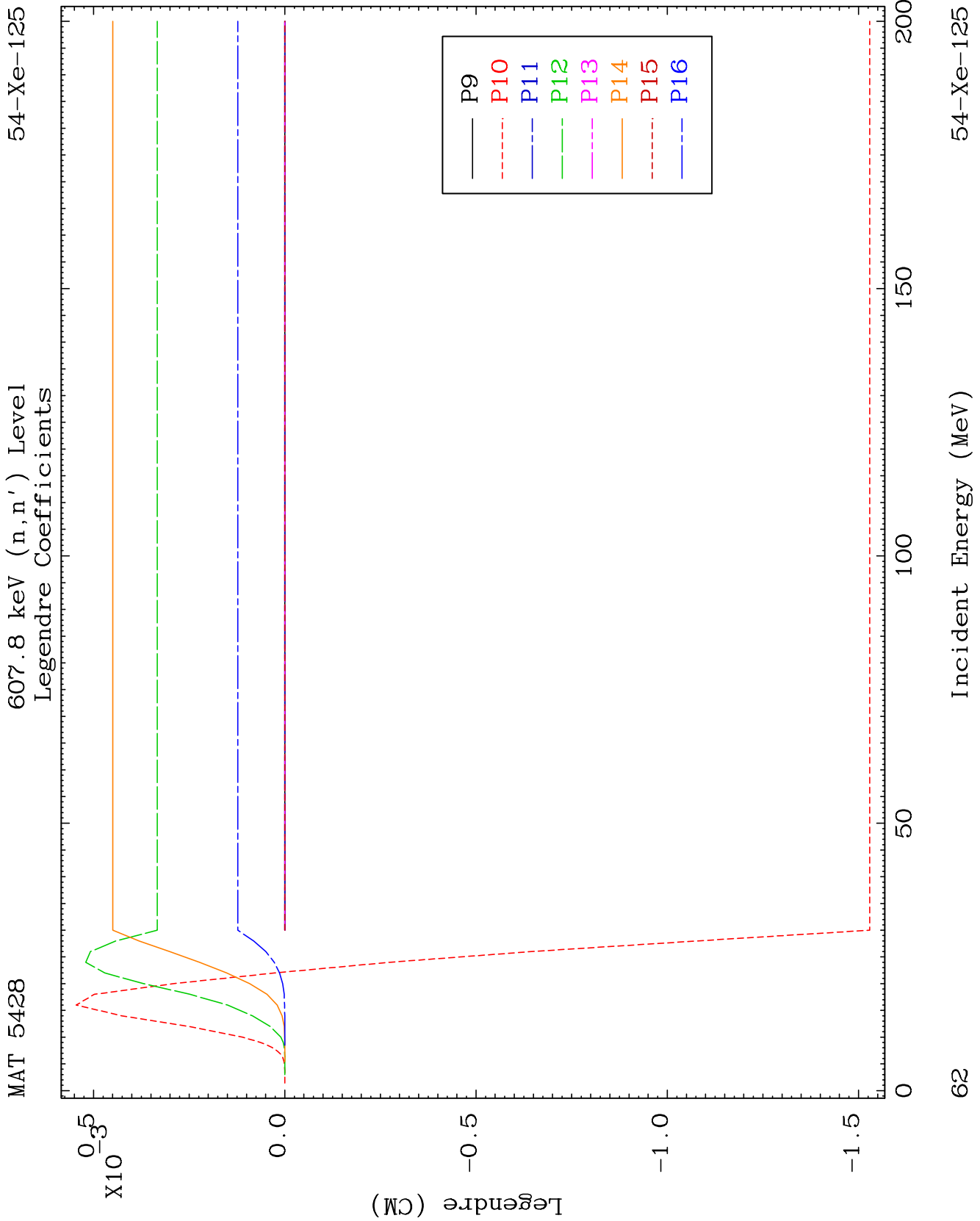
Incident Energy (MeV)

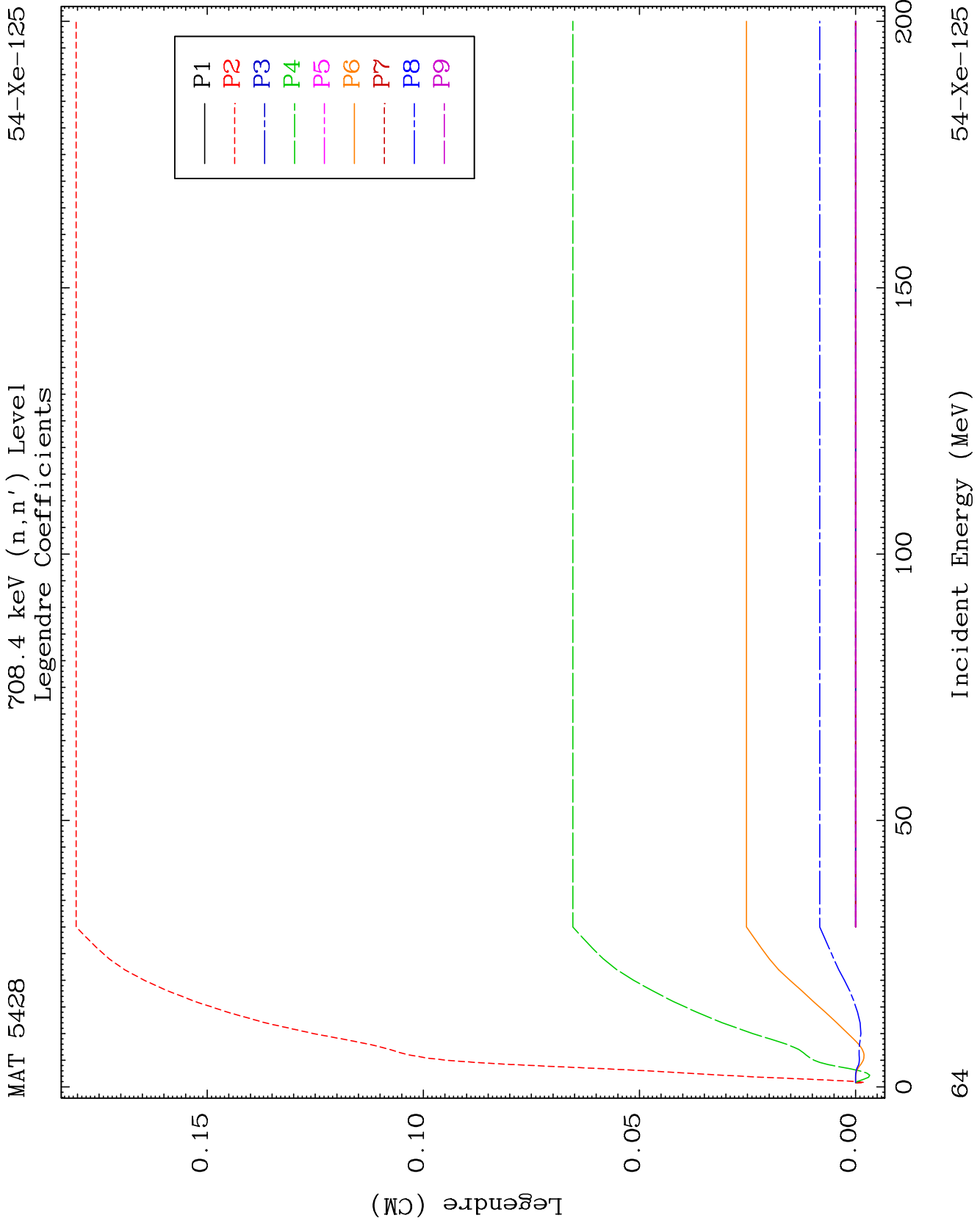
54-Xe-125







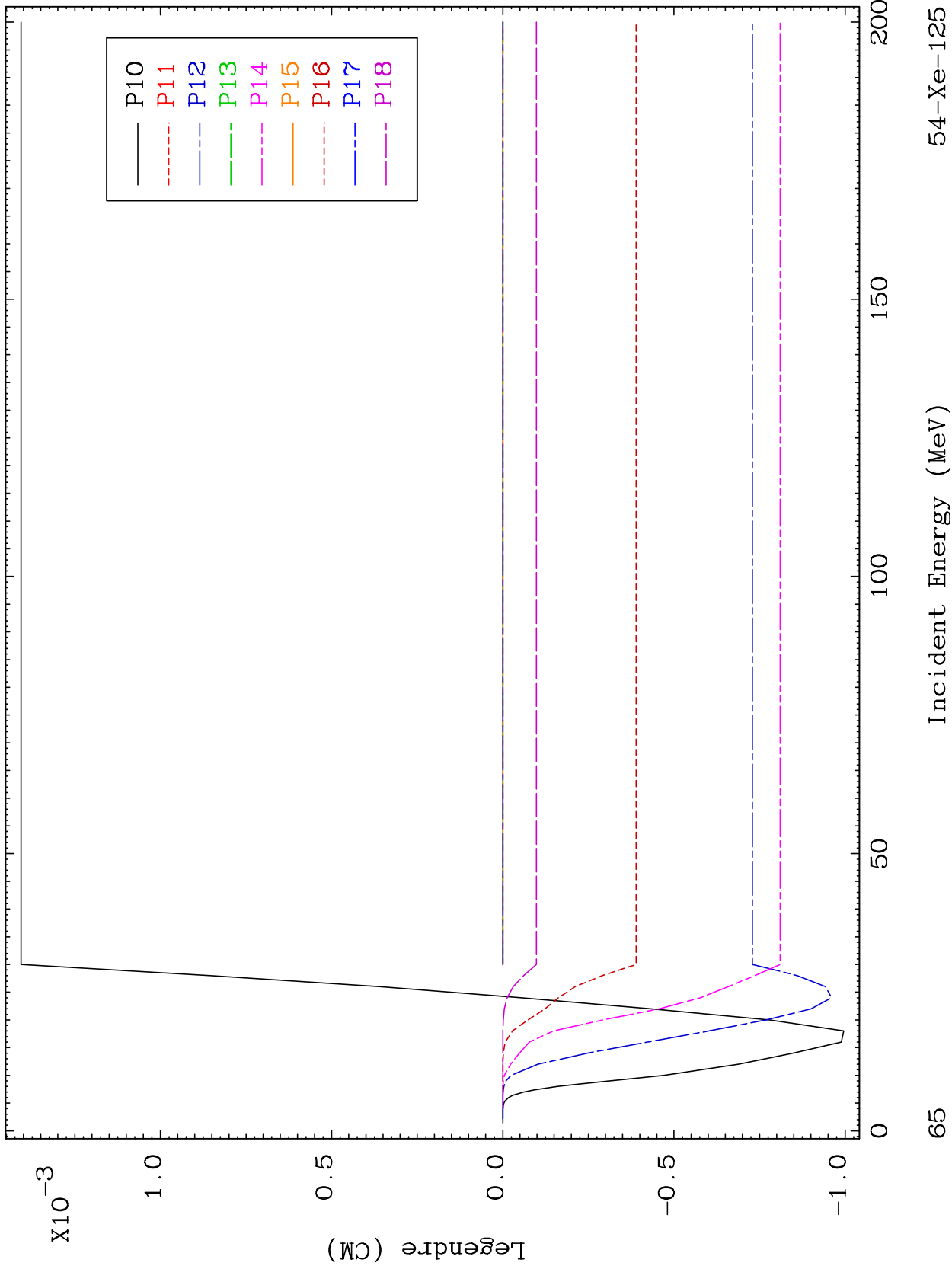




MAT 5428

708.4 keV (n,n') Level
Legendre Coefficients

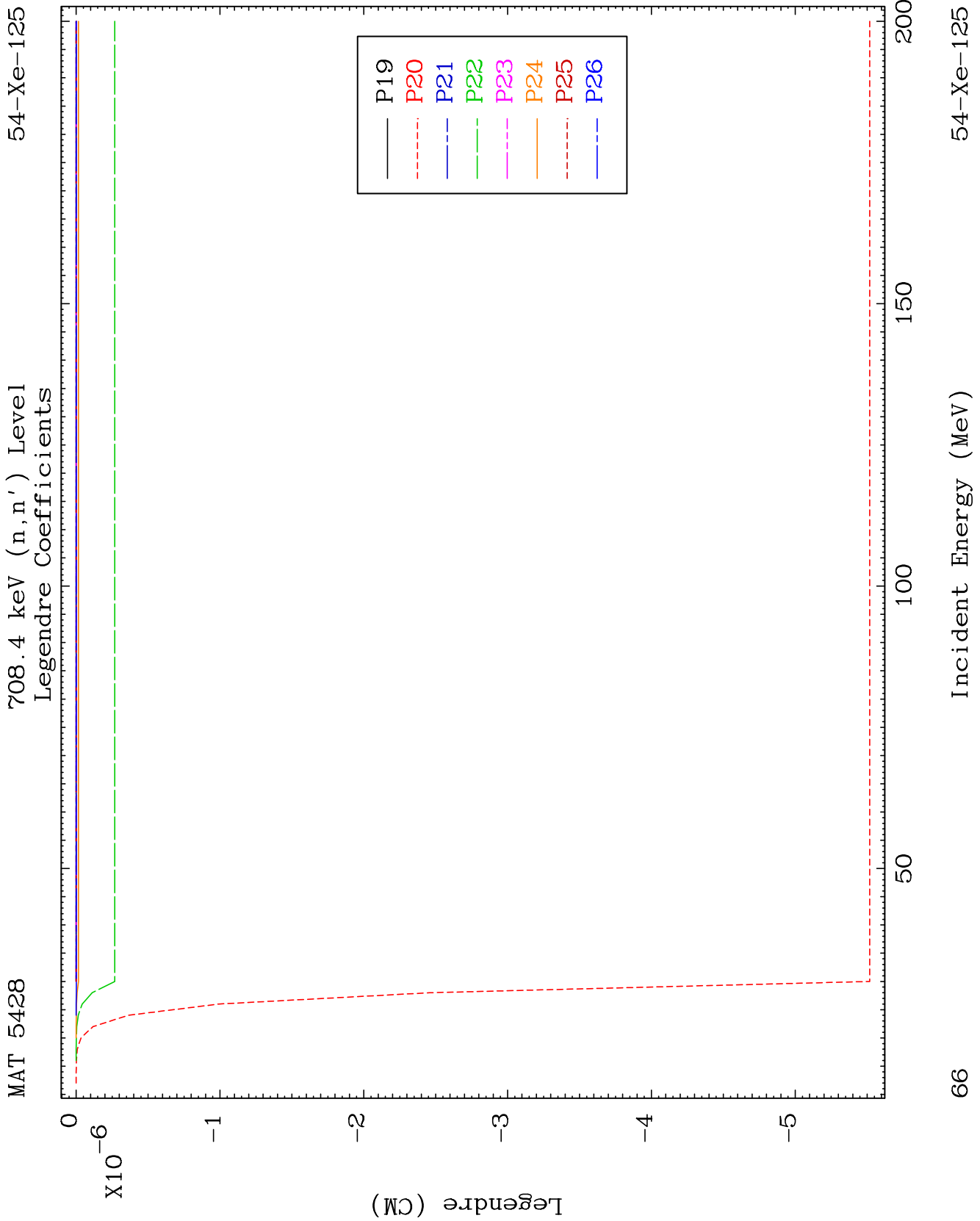
54-Xe-125



54-Xe-125

Incident Energy (MeV)

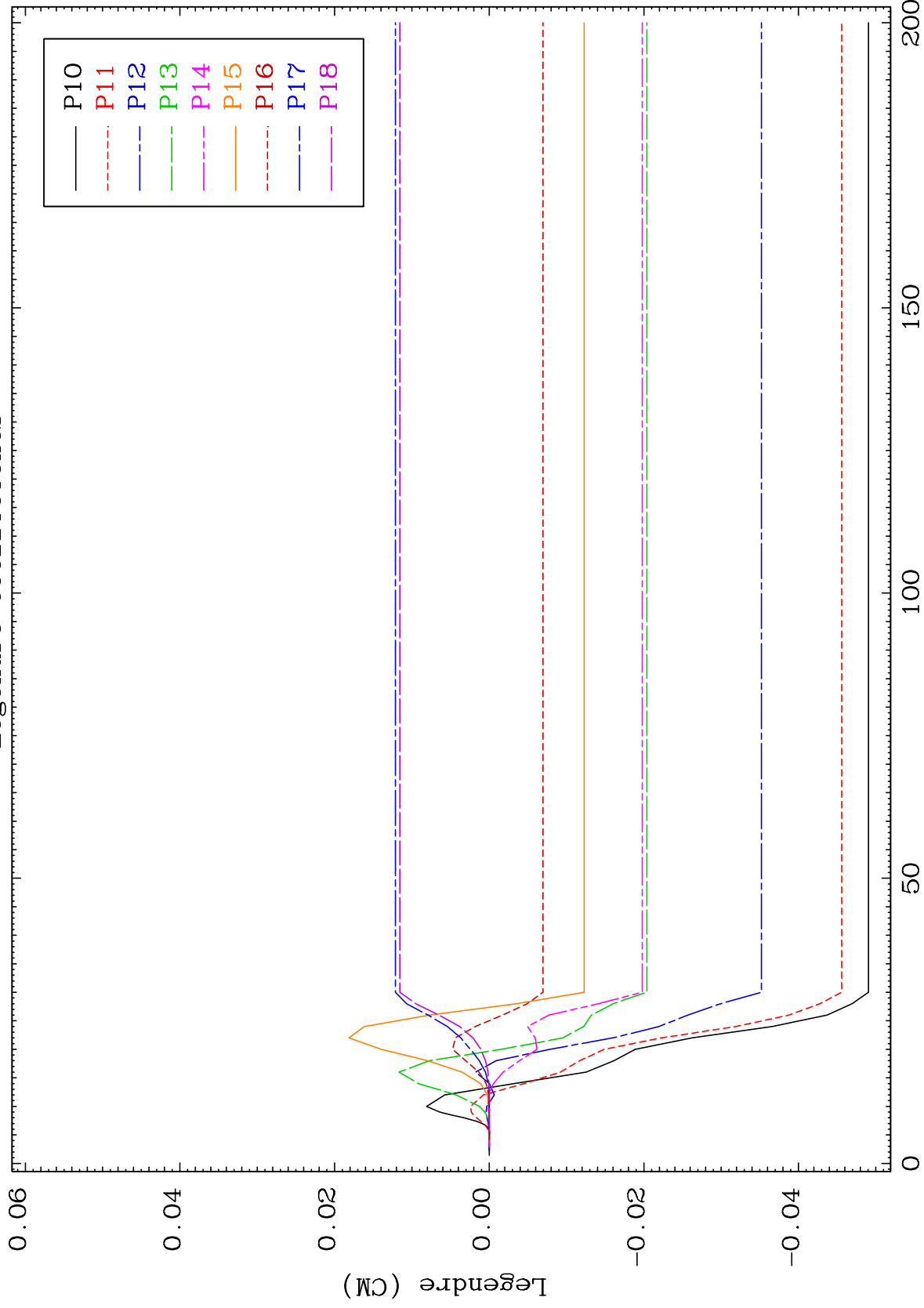
65



MAT 5428

711.2 keV (n,n') Level
Legendre Coefficients

54-Xe-125



68

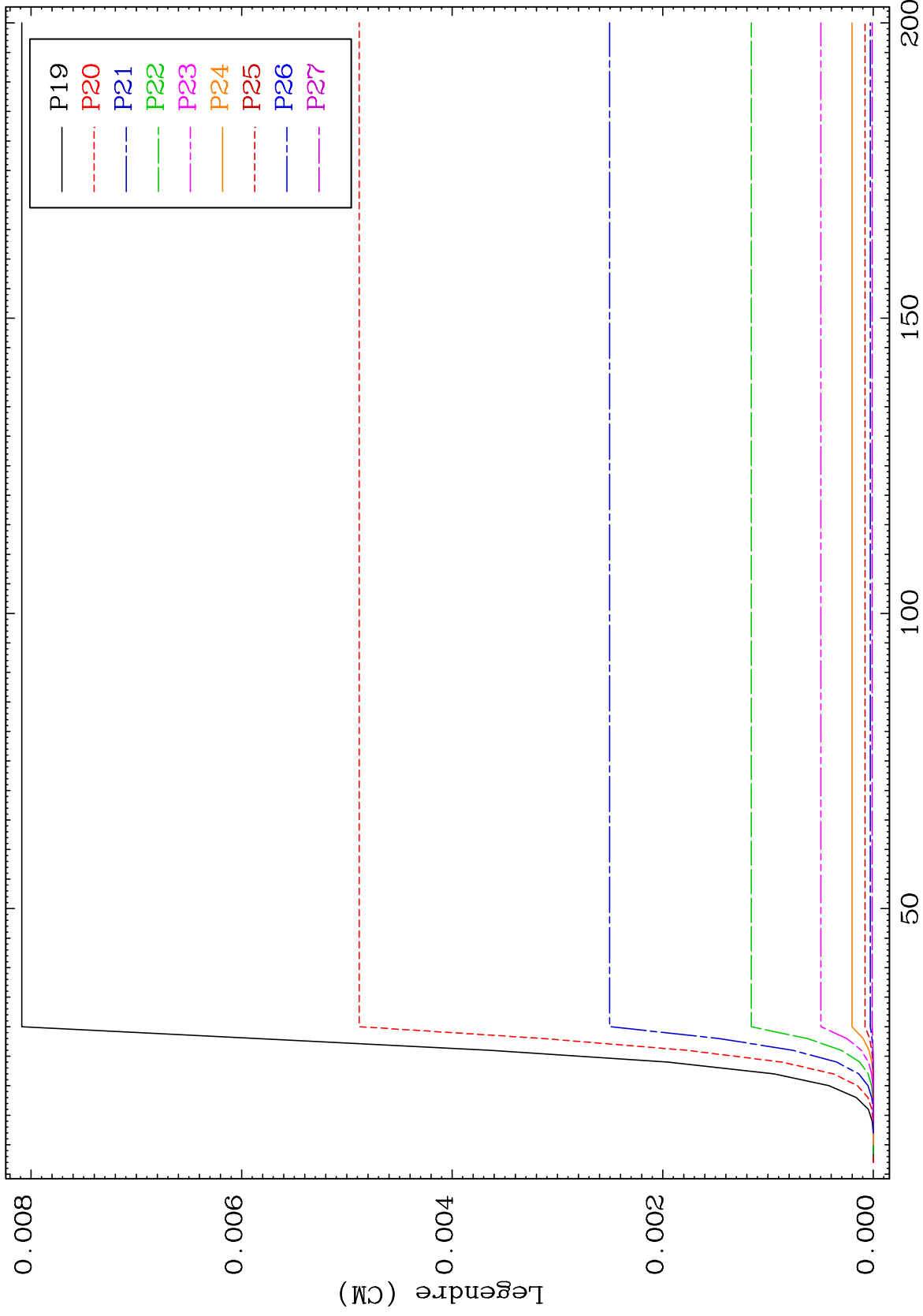
Incident Energy (MeV)

54-Xe-125

MAT 5428

711.2 keV (n,n') Level
Legendre Coefficients

54-Xe-125



69

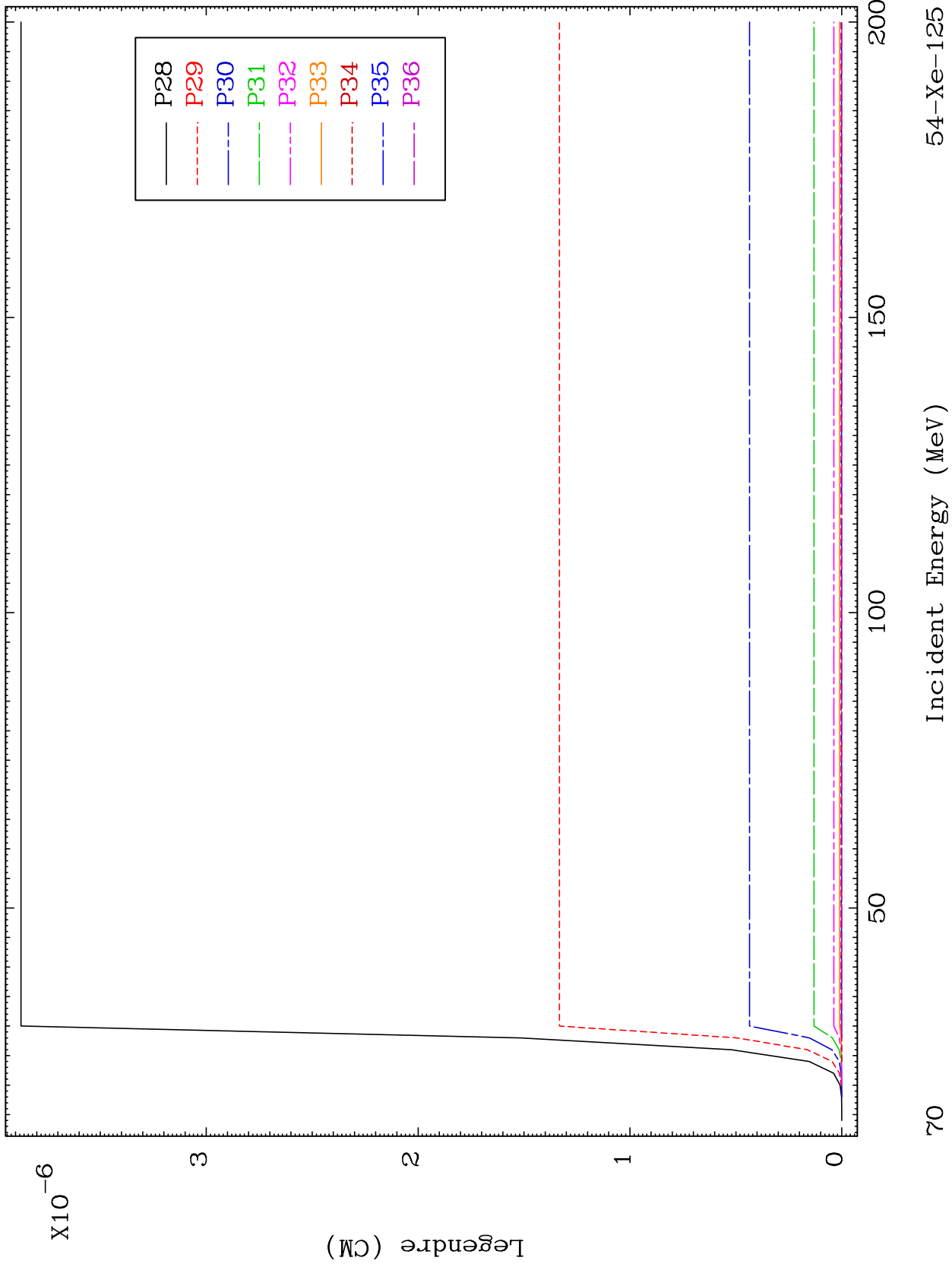
Incident Energy (MeV)

54-Xe-125

MAT 5428

711.2 keV (n,n') Level
Legendre Coefficients

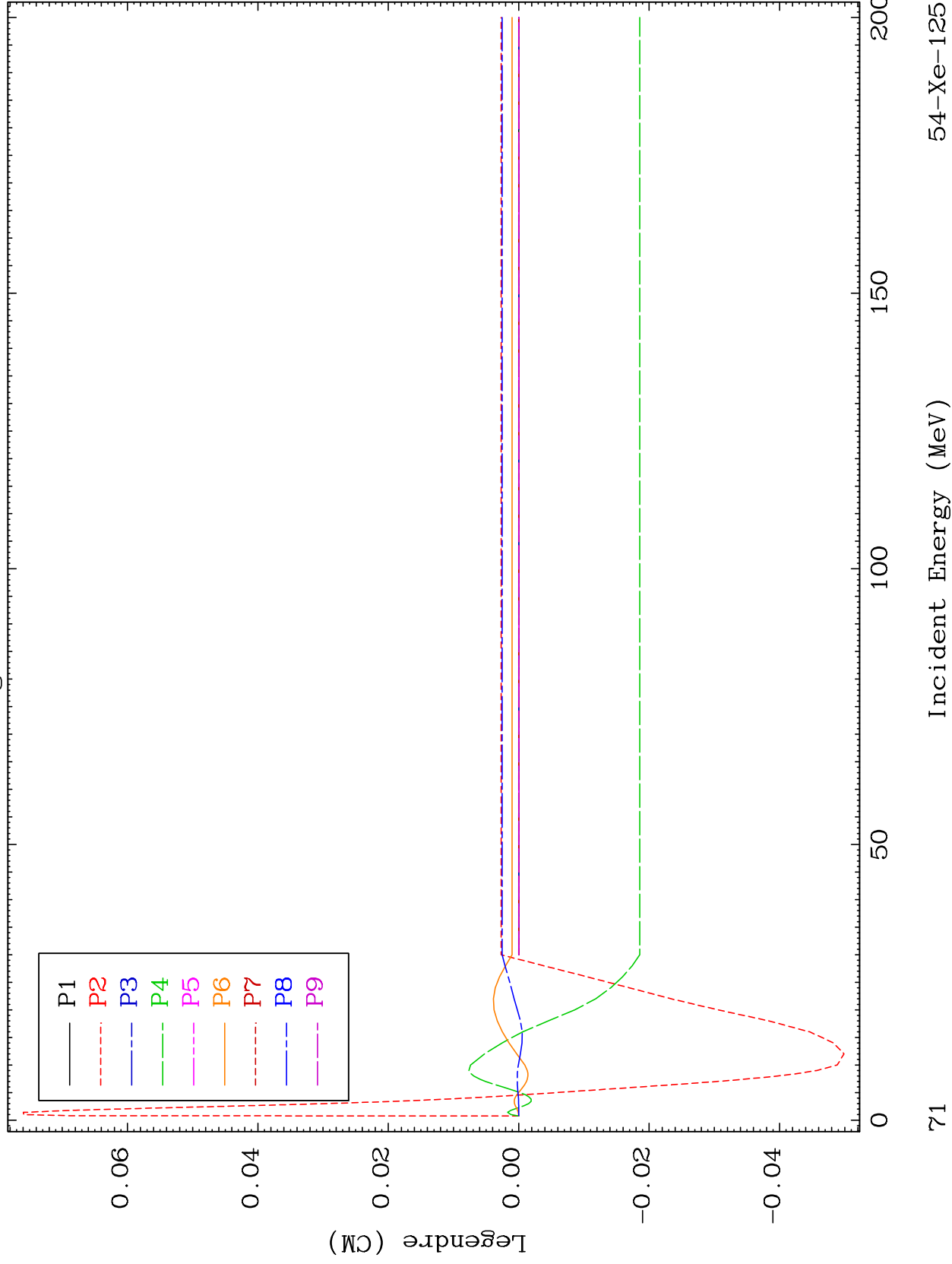
54-Xe-125



MAT 5428

736.8 keV (n,n') Level
Legendre Coefficients

54-Xe-125



71

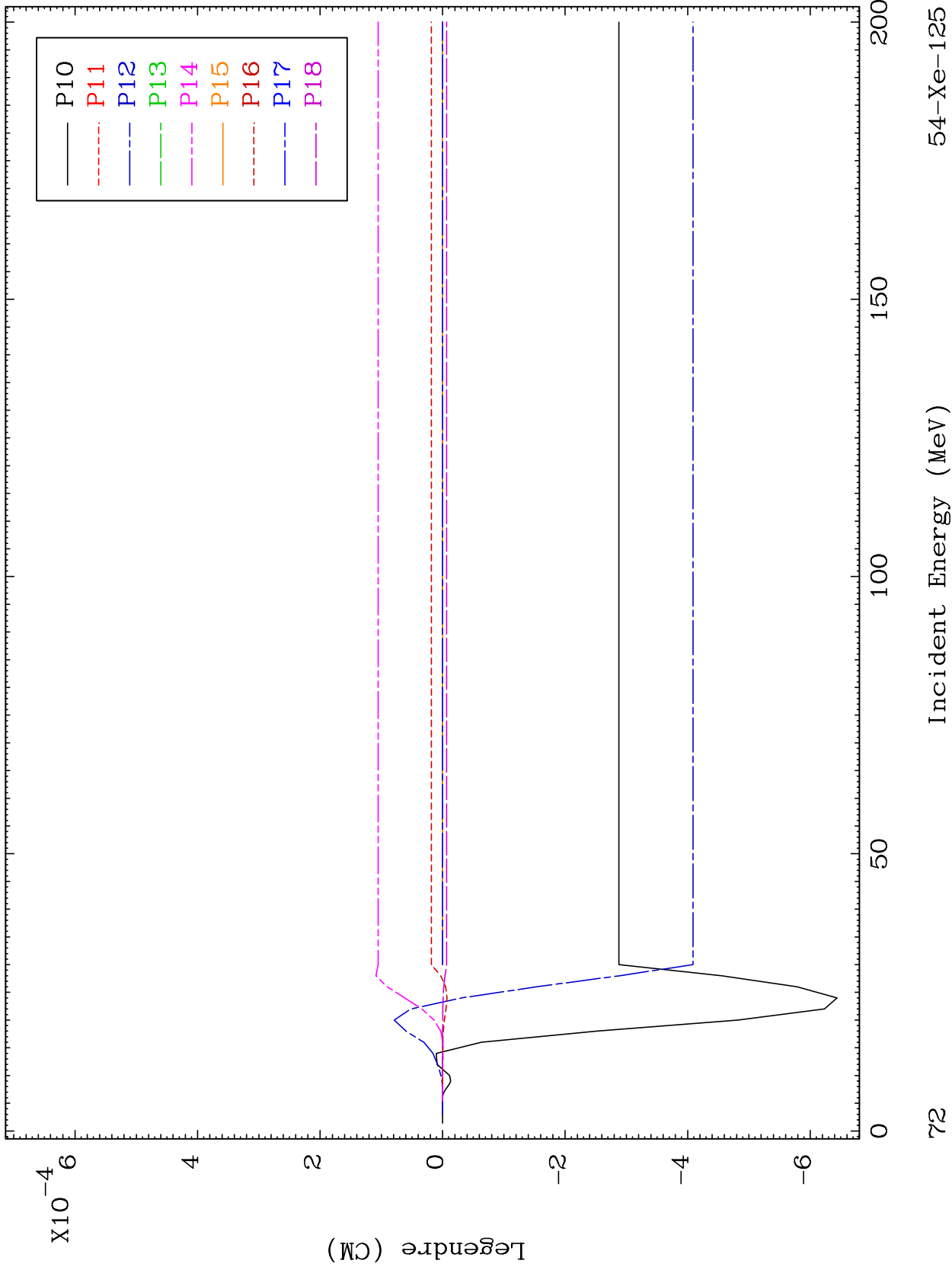
Incident Energy (MeV)

54-Xe-125

MAT 5428

736.8 keV (n,n') Level
Legendre Coefficients

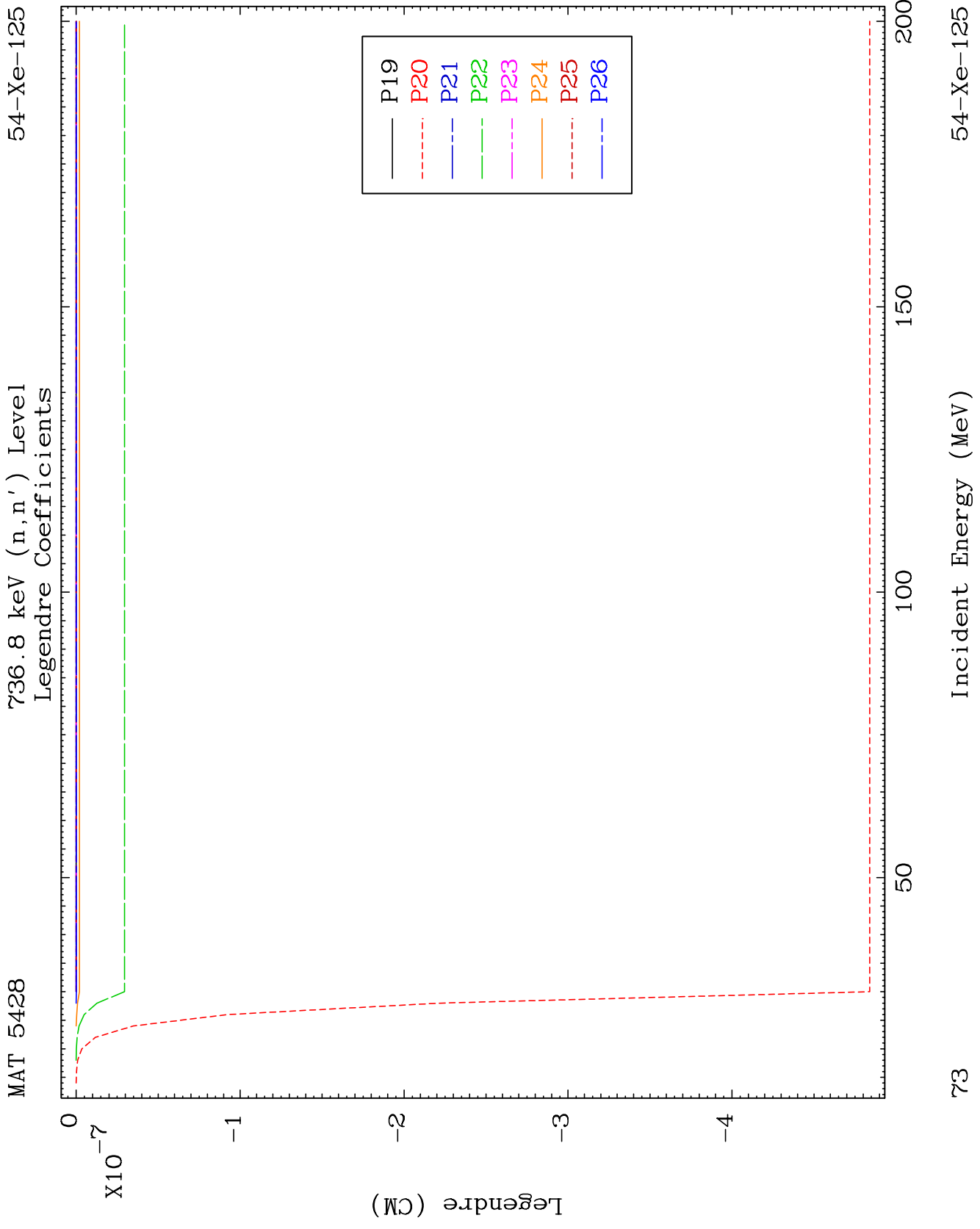
54-Xe-125

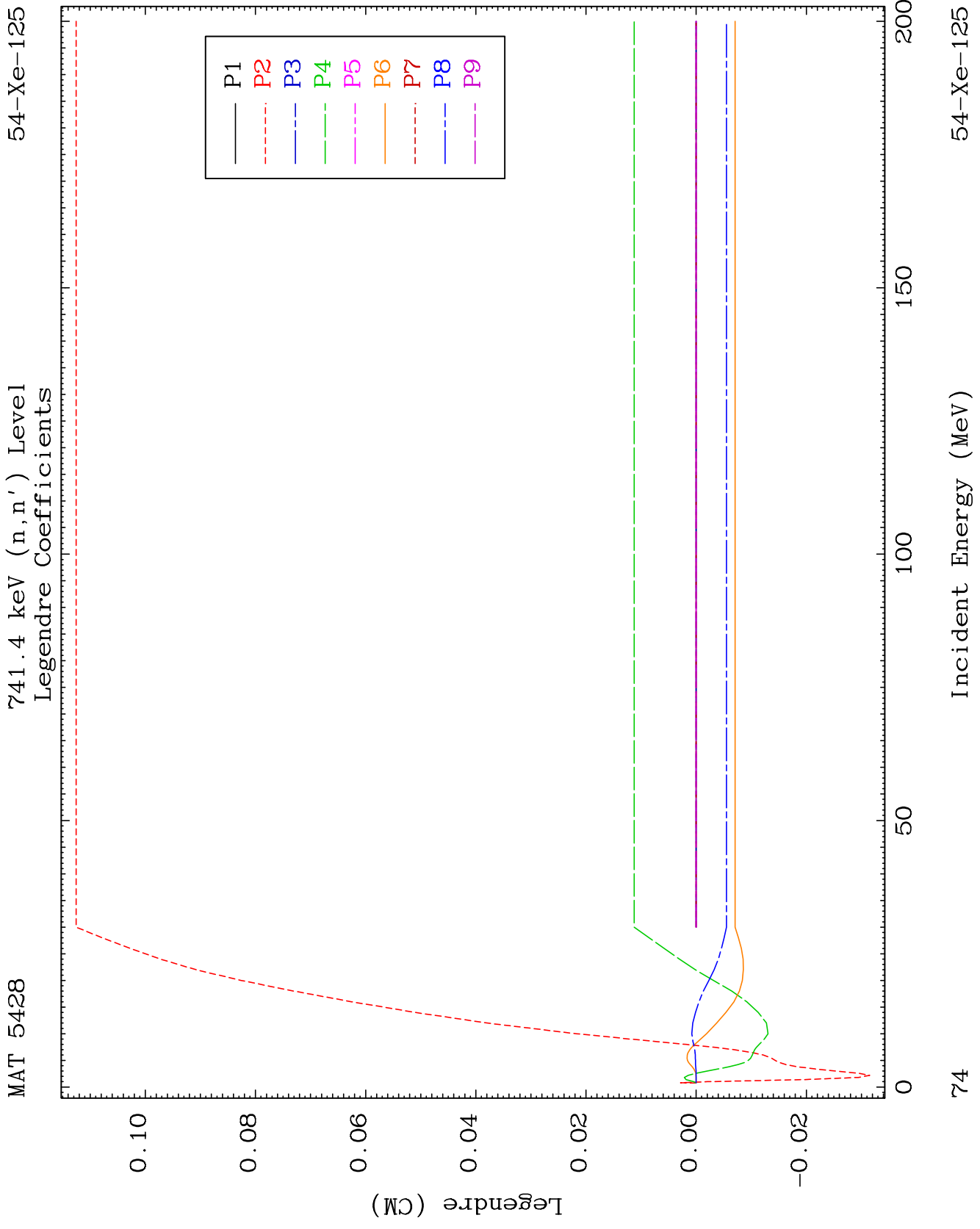


72

Incident Energy (MeV)

54-Xe-125

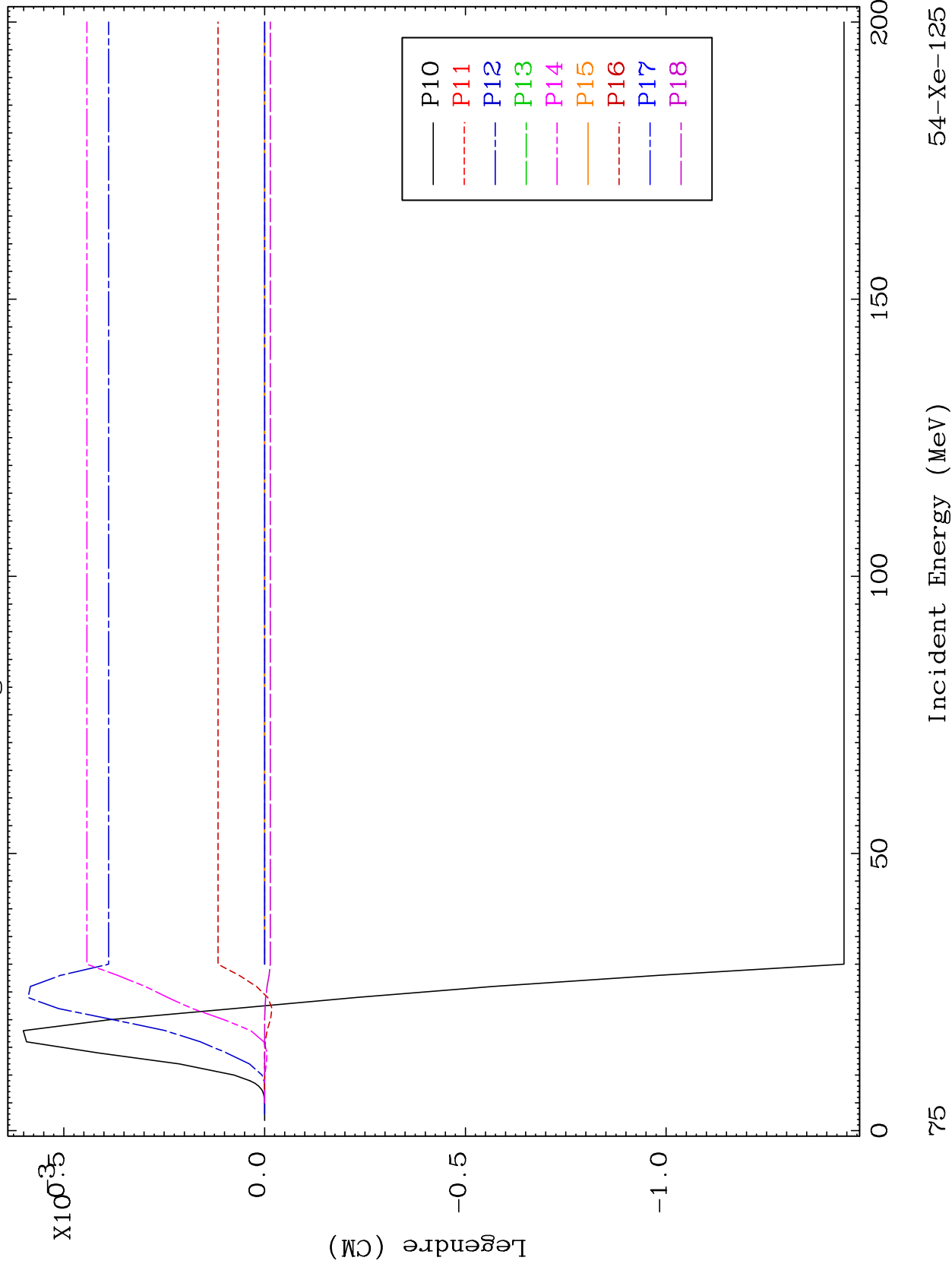




MAT 5428

741.4 keV (n,n') Level
Legendre Coefficients

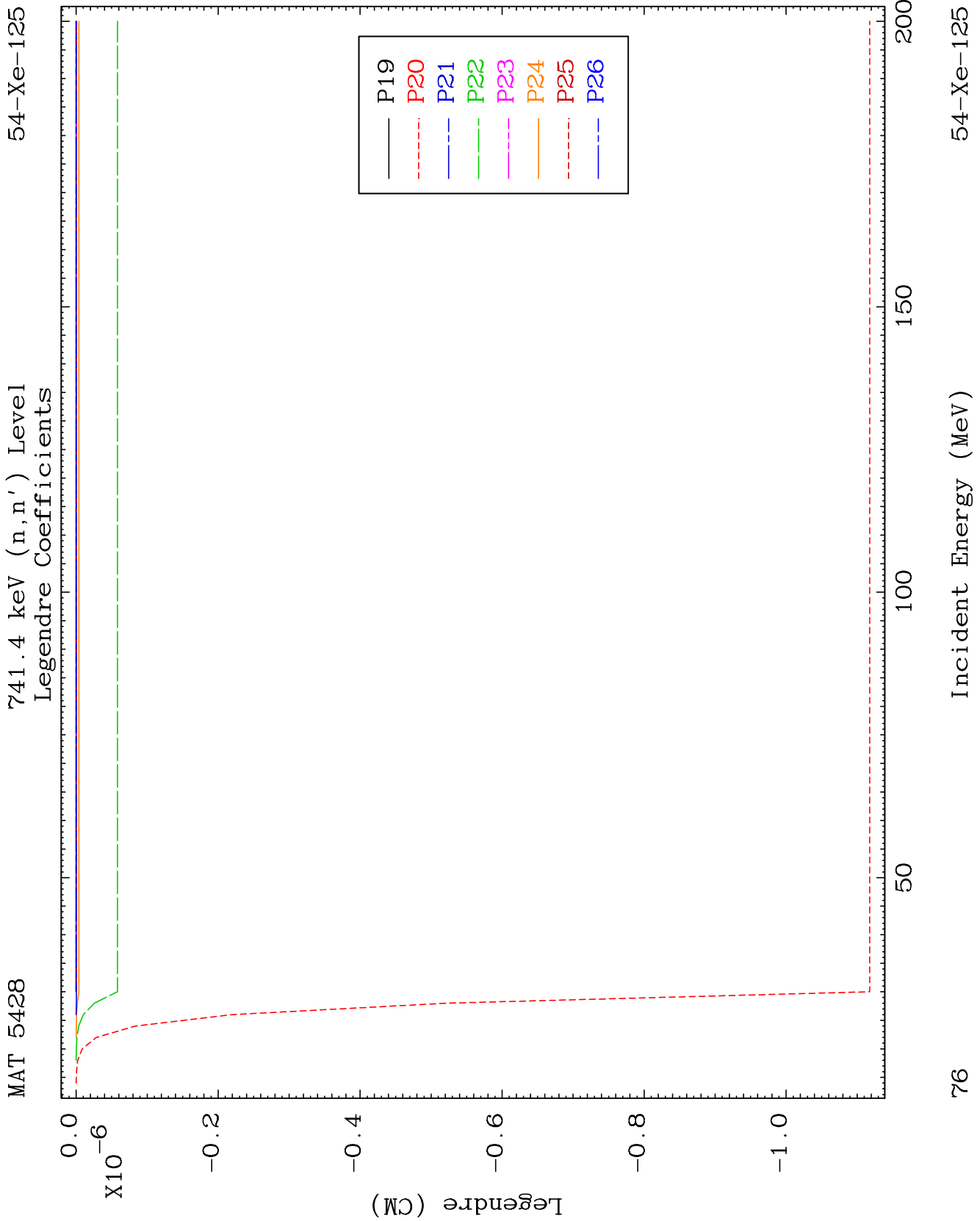
54-Xe-125

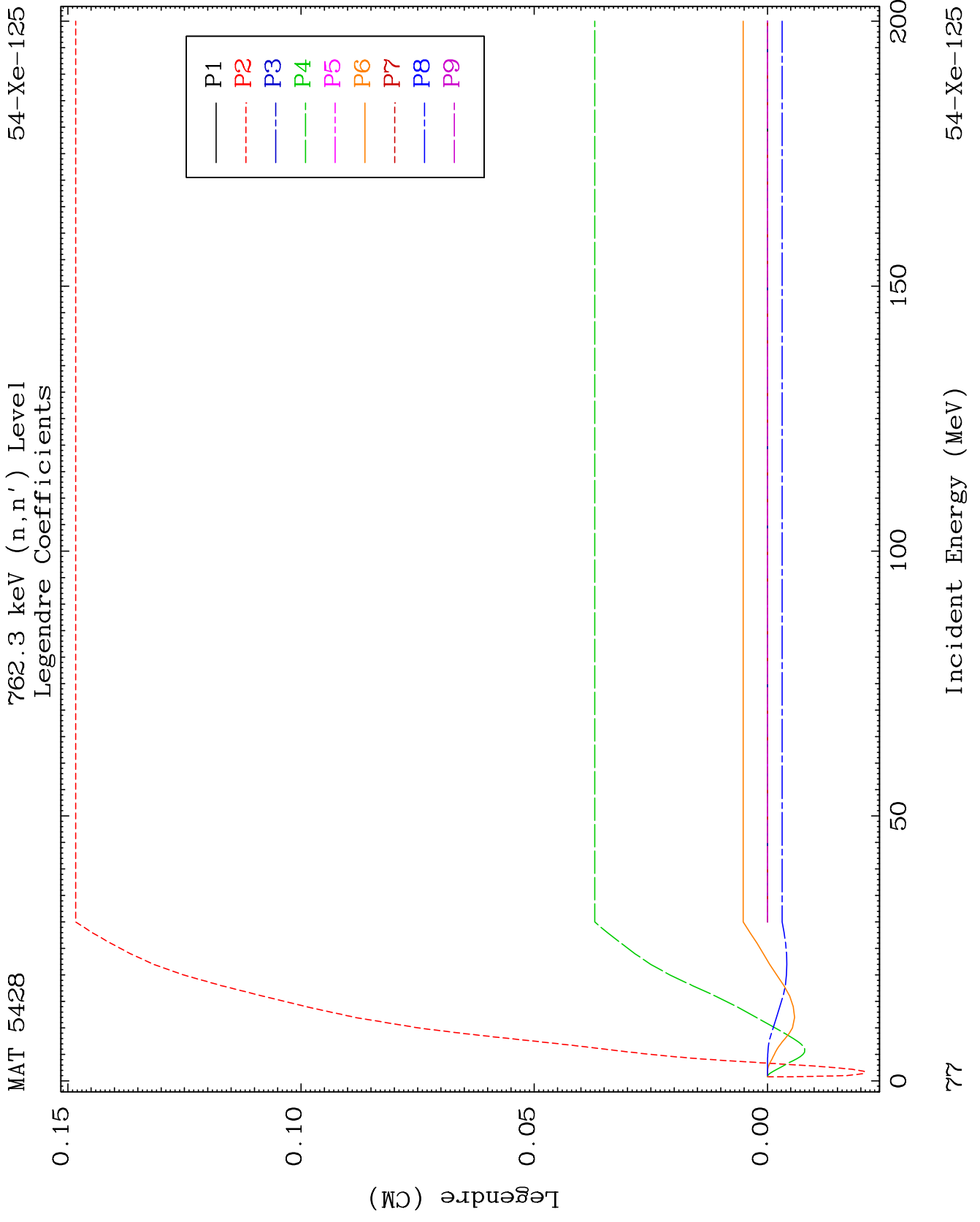


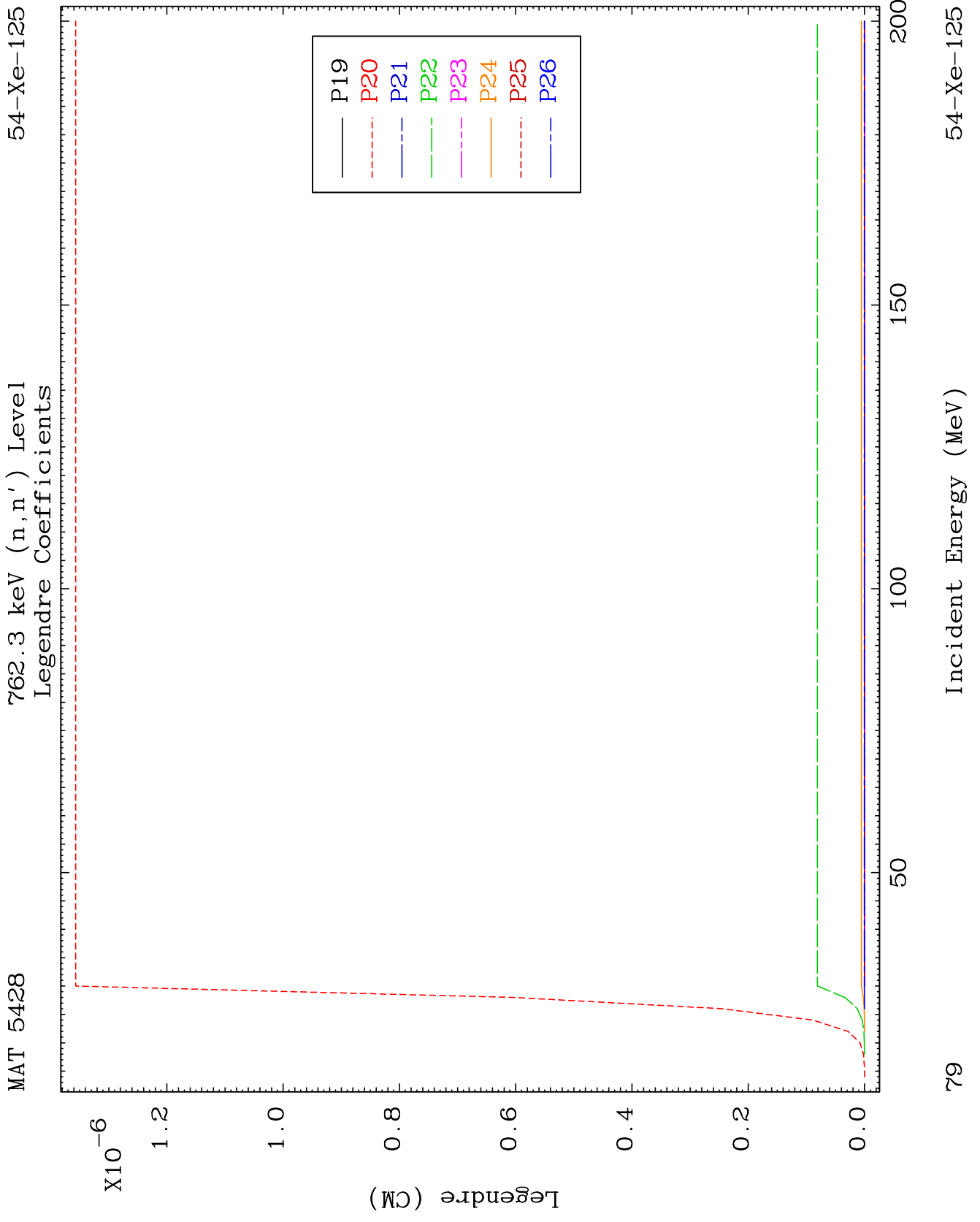
54-Xe-125

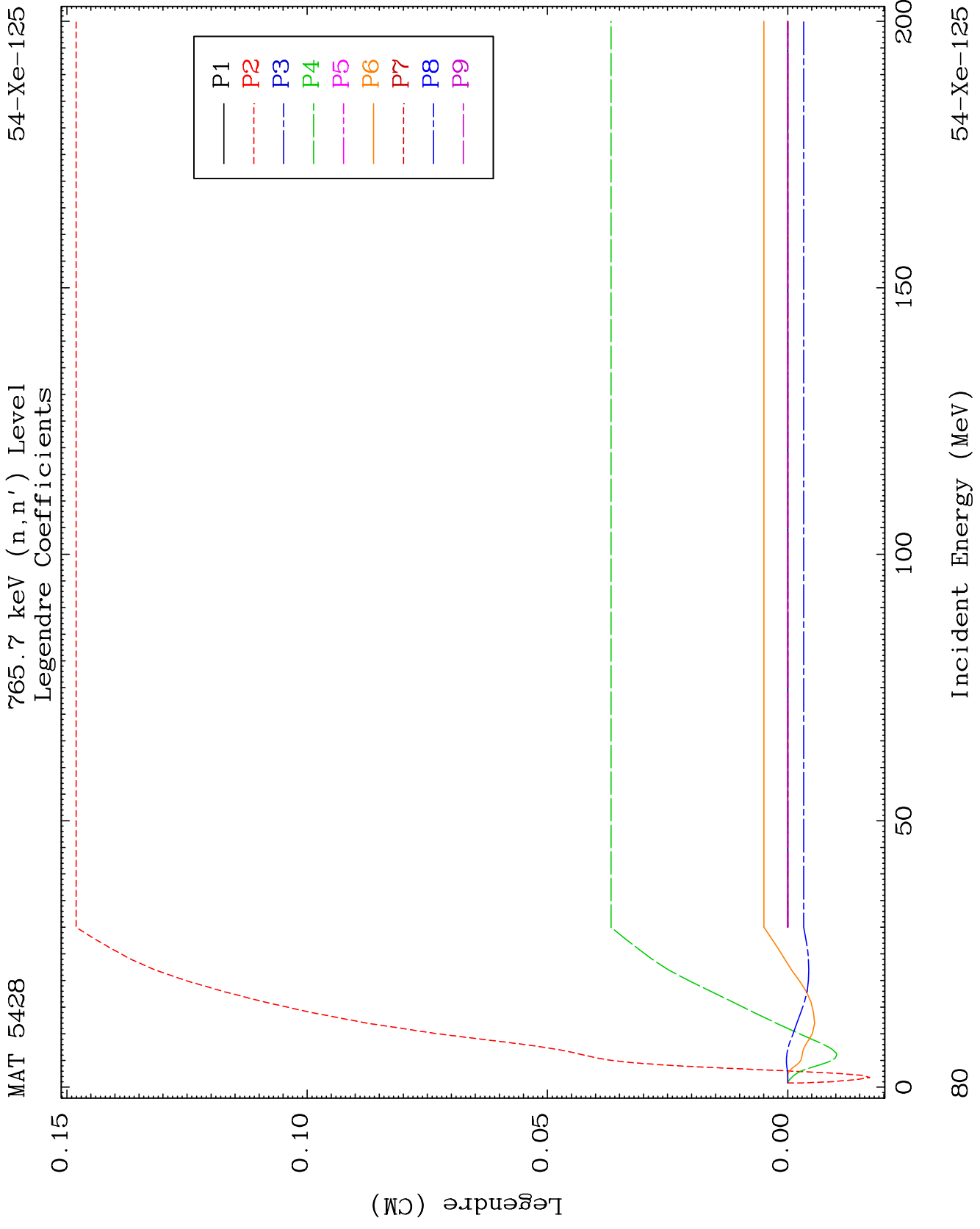
Incident Energy (MeV)

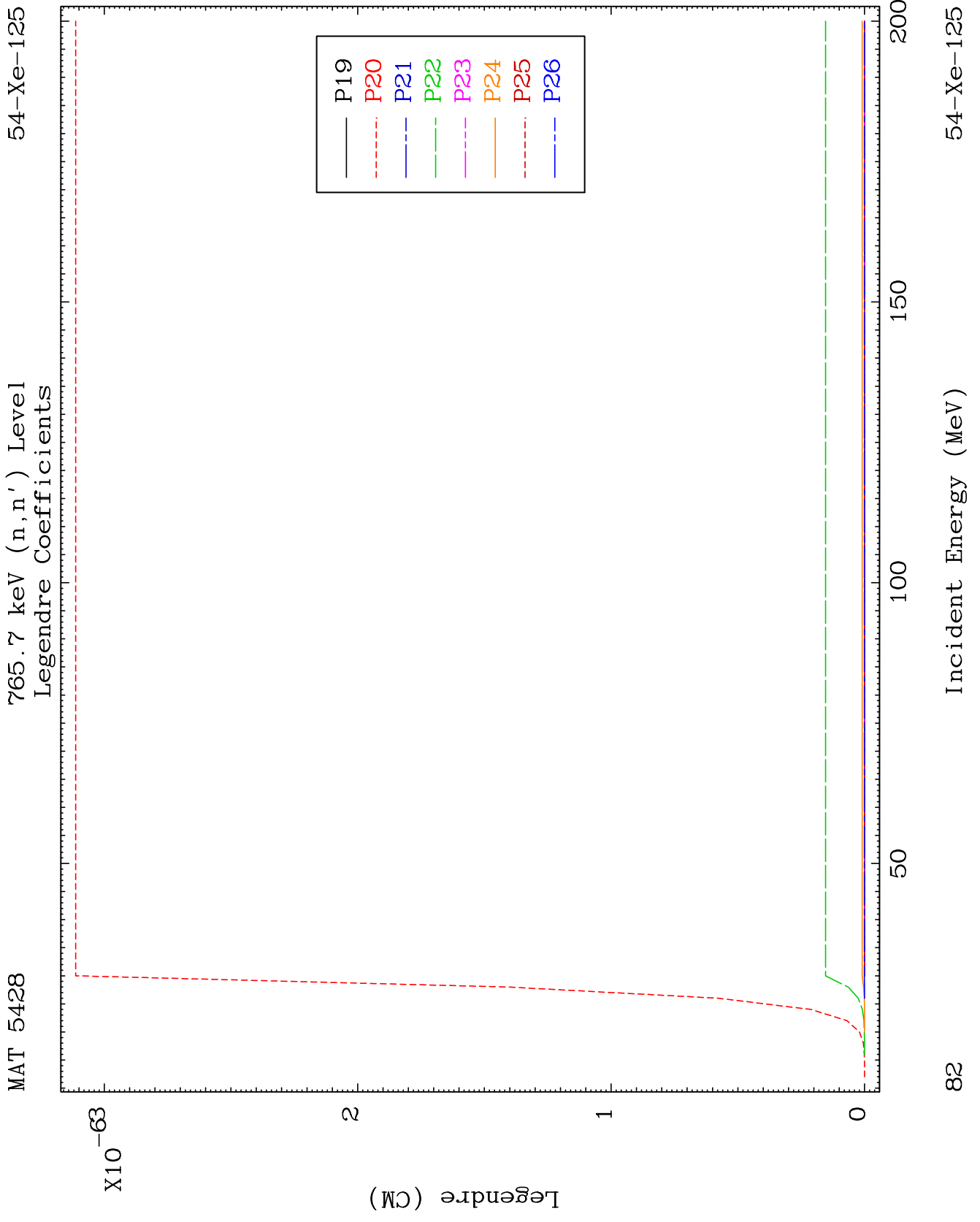
75

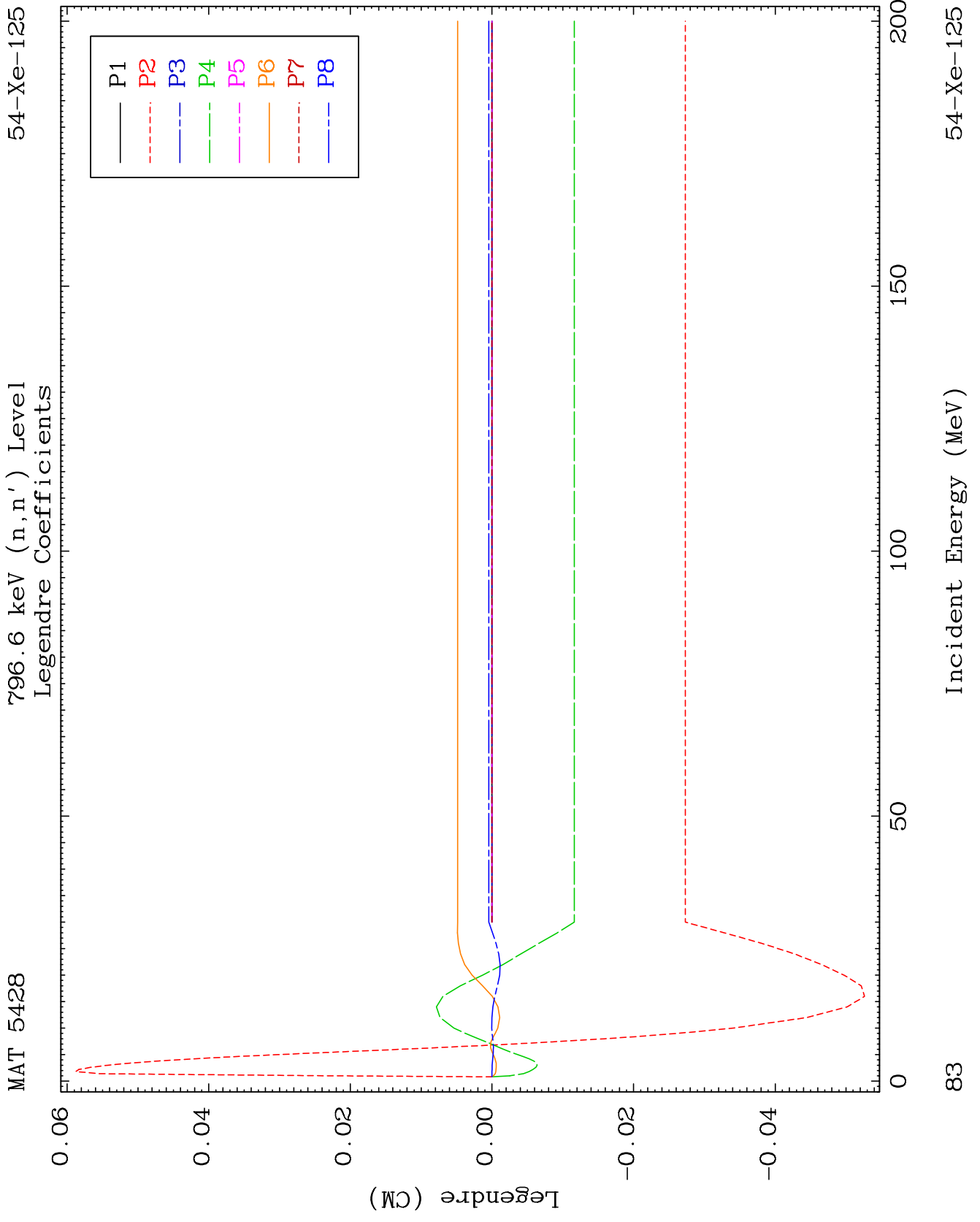


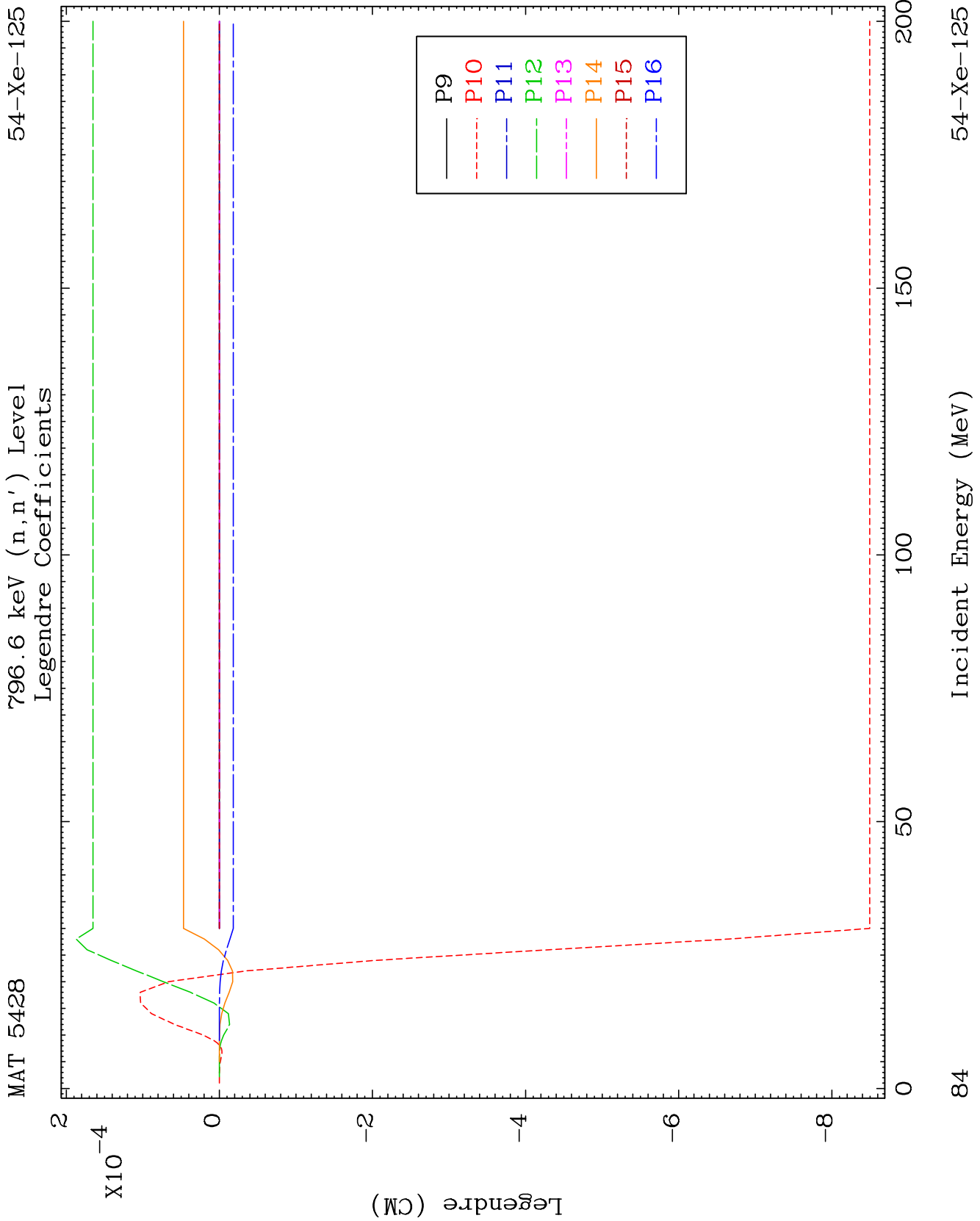








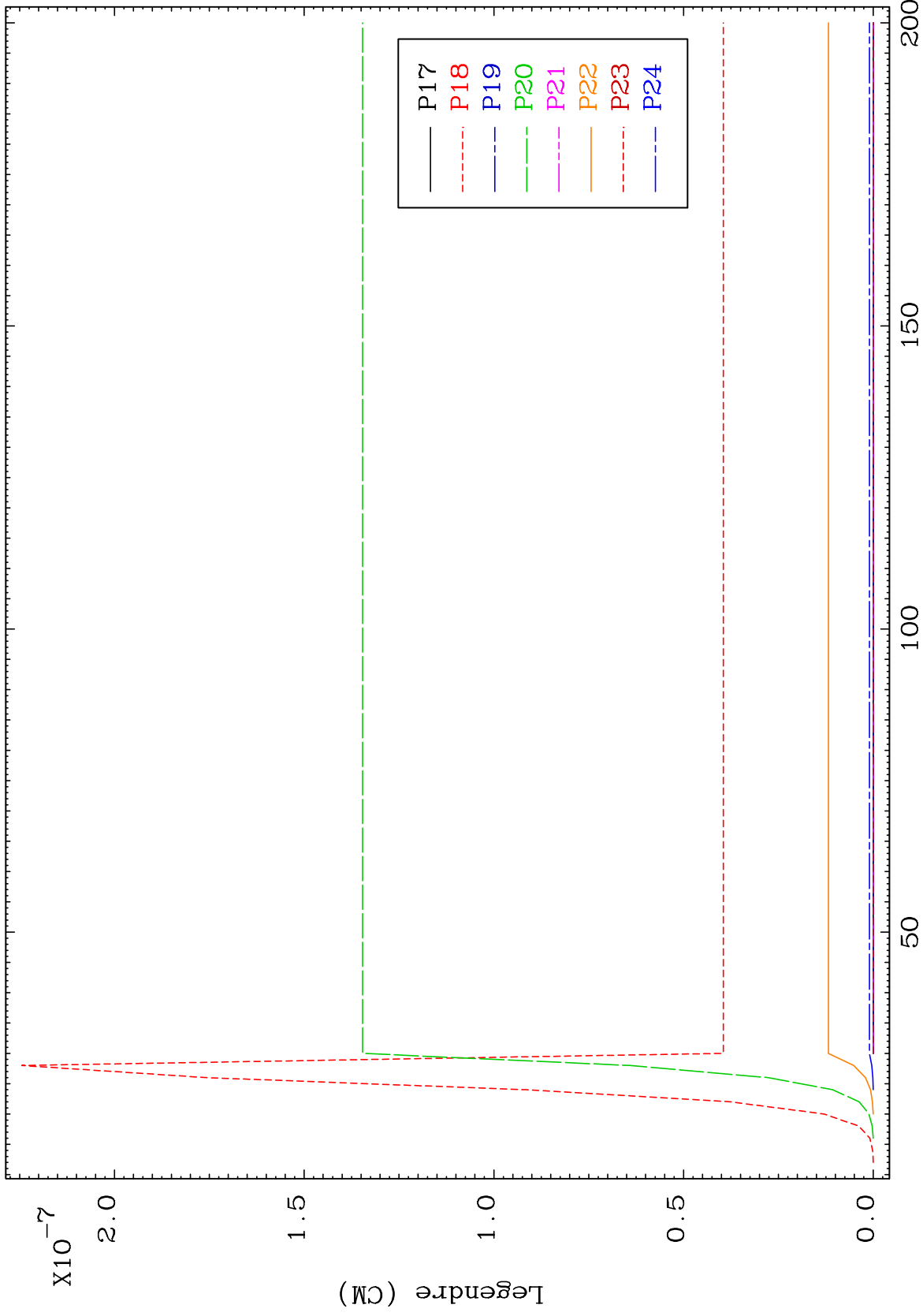




MAT 5428

796.6 keV (n,n') Level
Legendre Coefficients

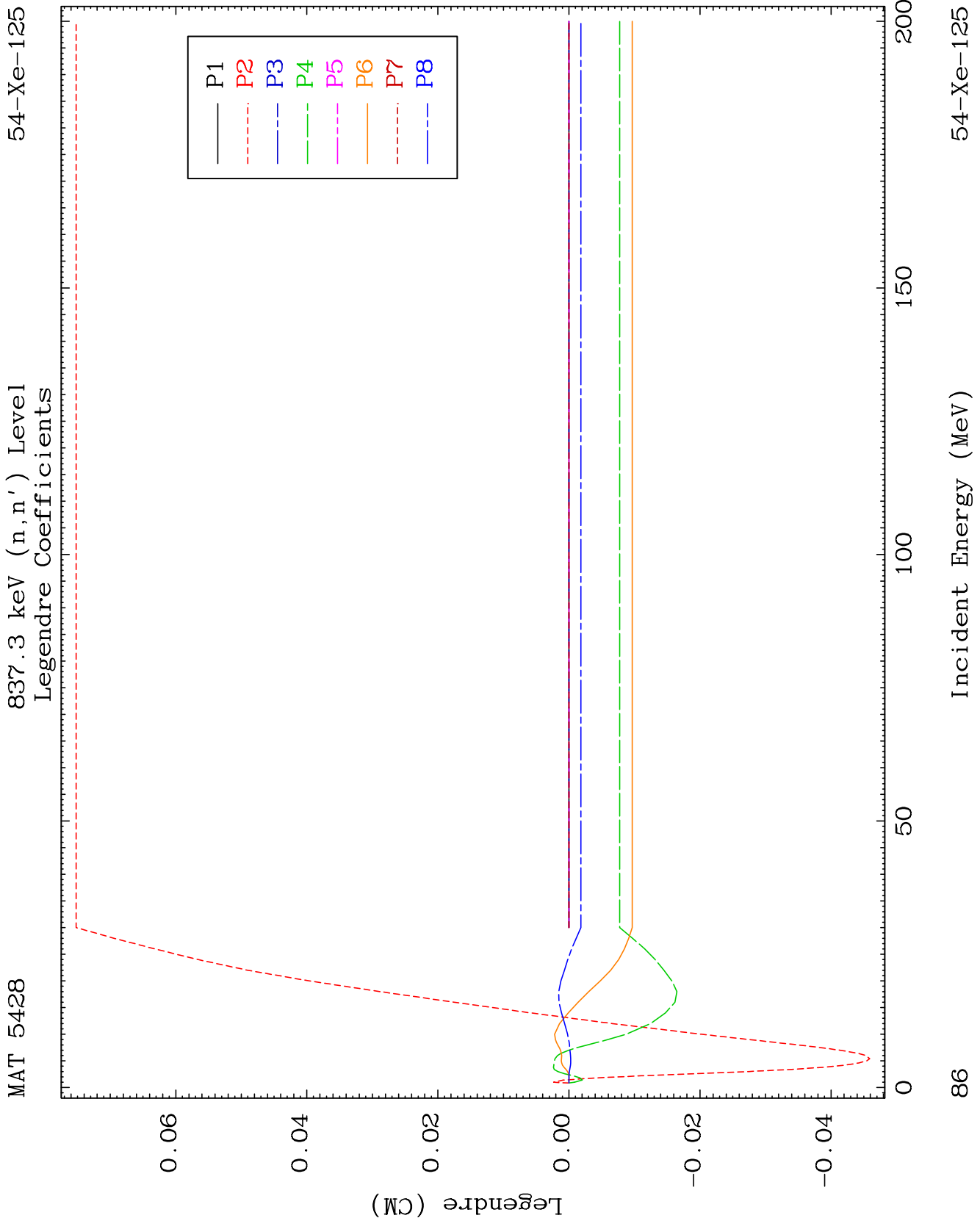
54-Xe-125



85

Incident Energy (MeV)

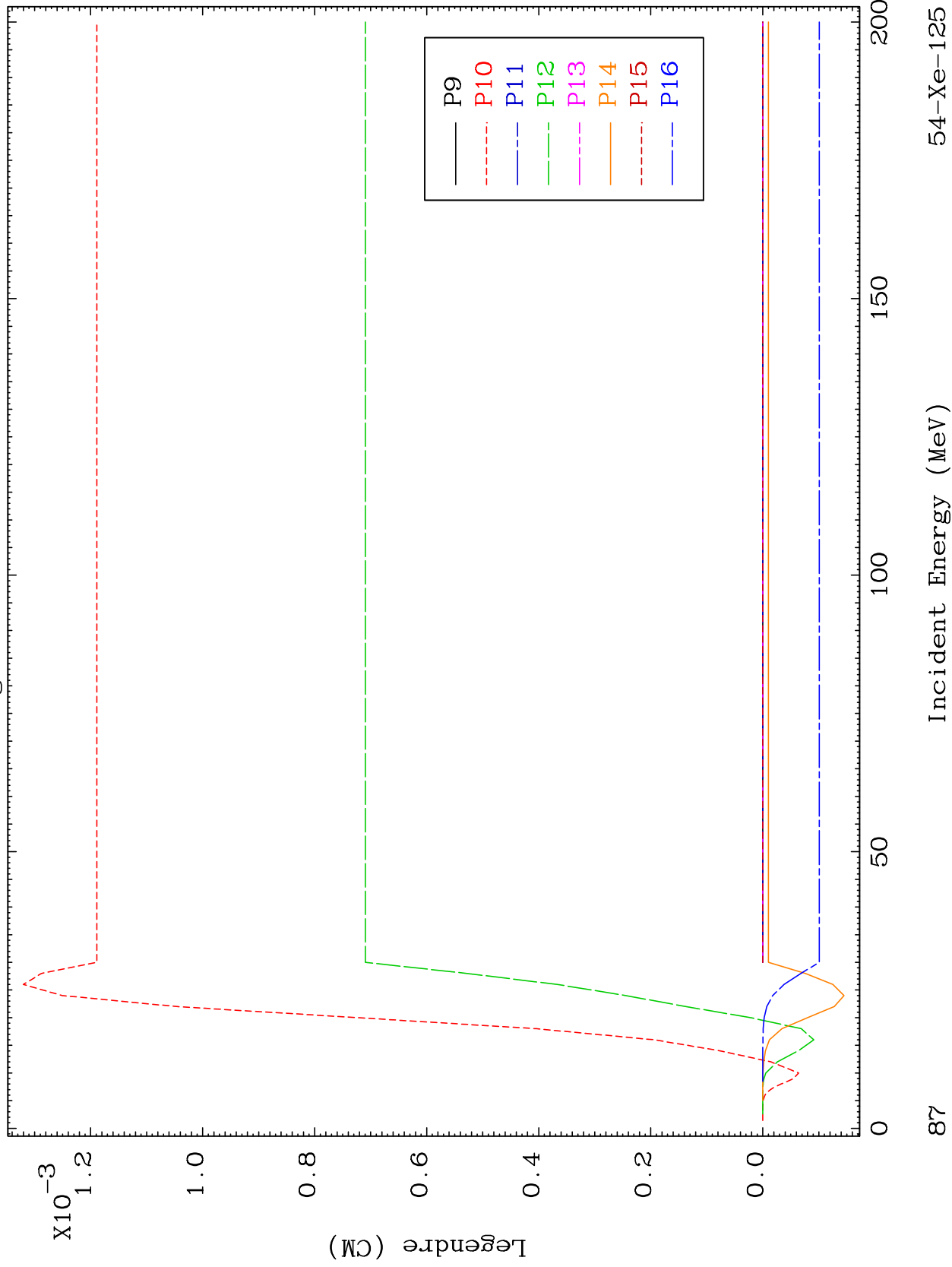
54-Xe-125



MAT 5428

837.3 keV (n,n') Level
Legendre Coefficients

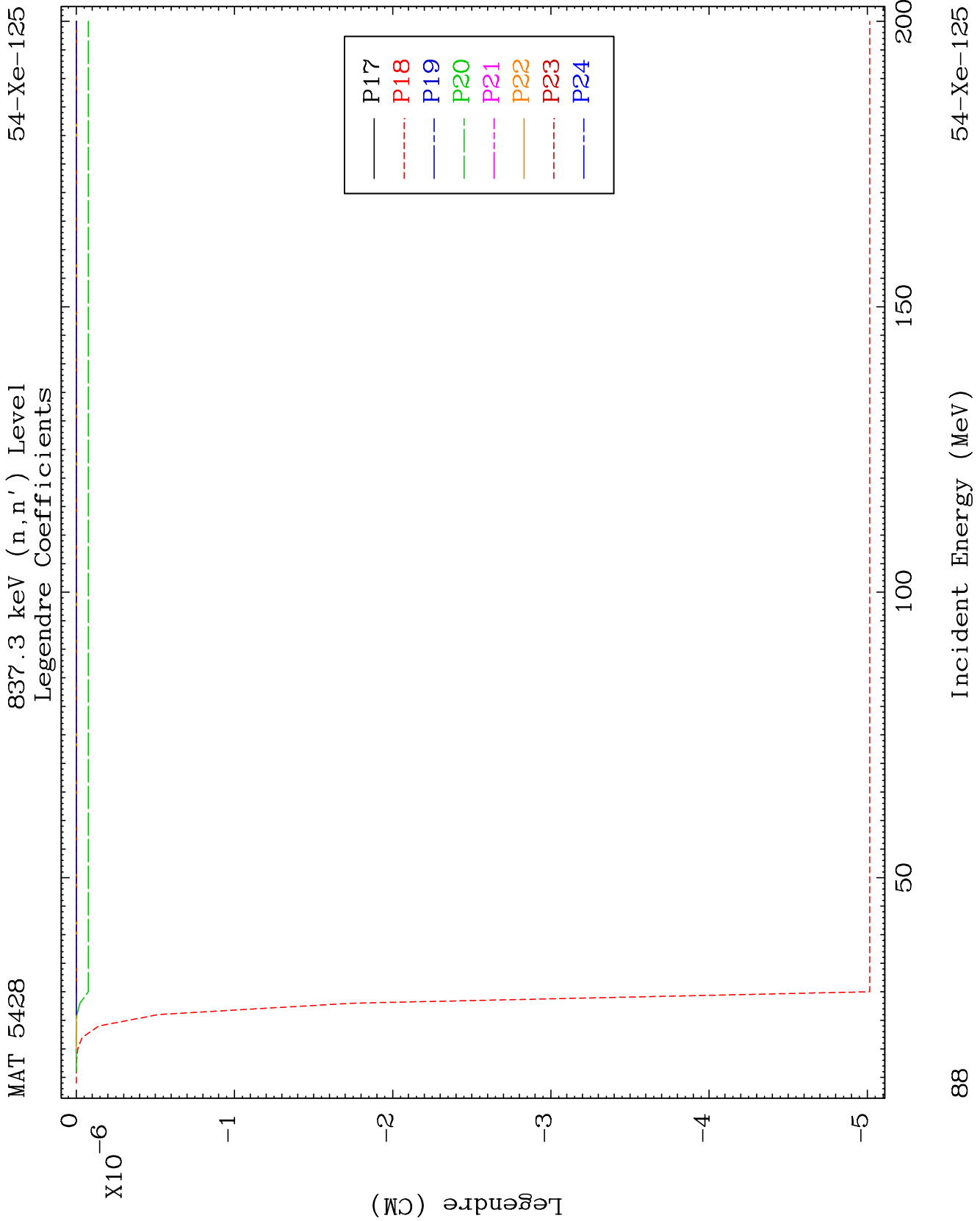
54-Xe-125

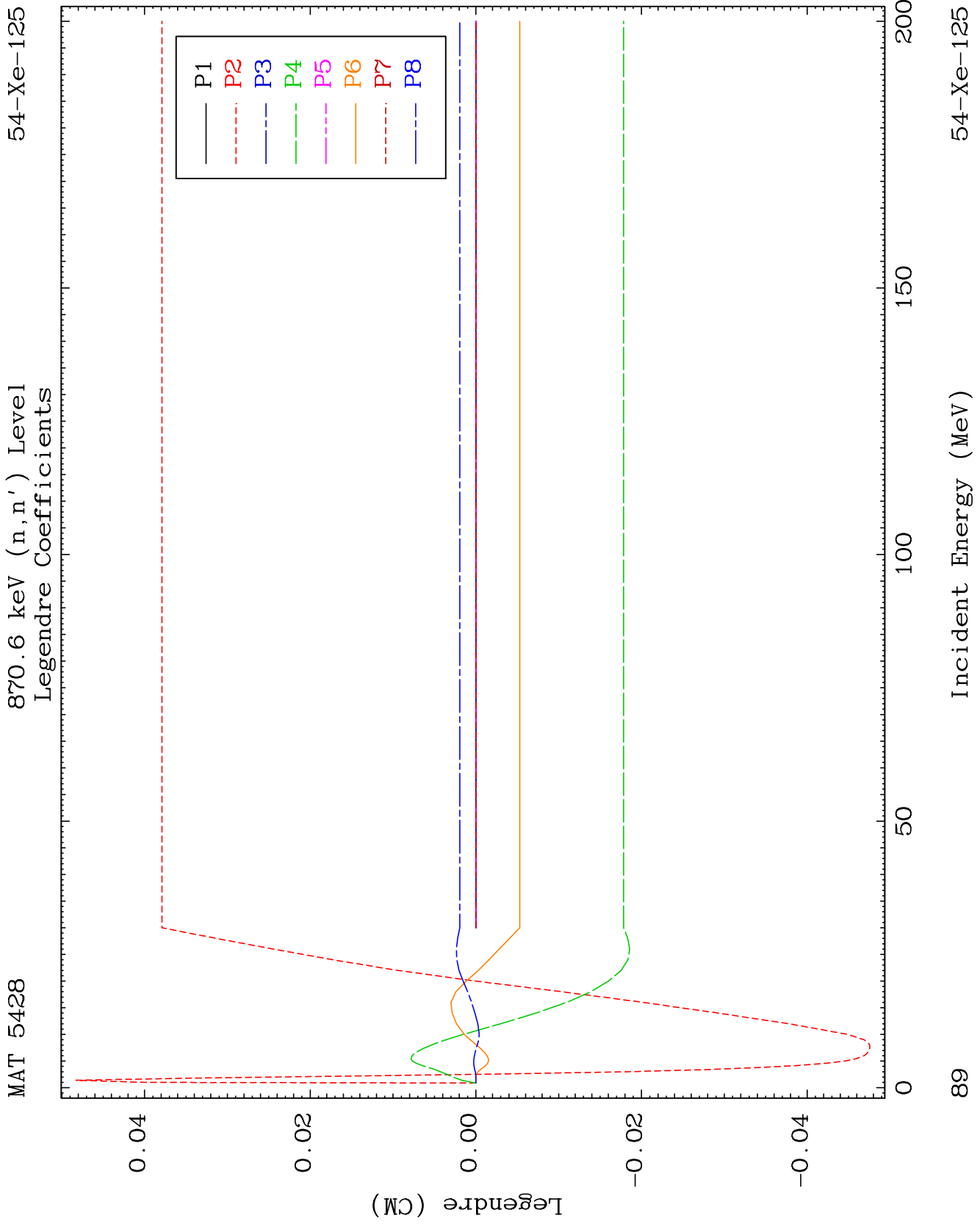


87

Incident Energy (MeV)

54-Xe-125

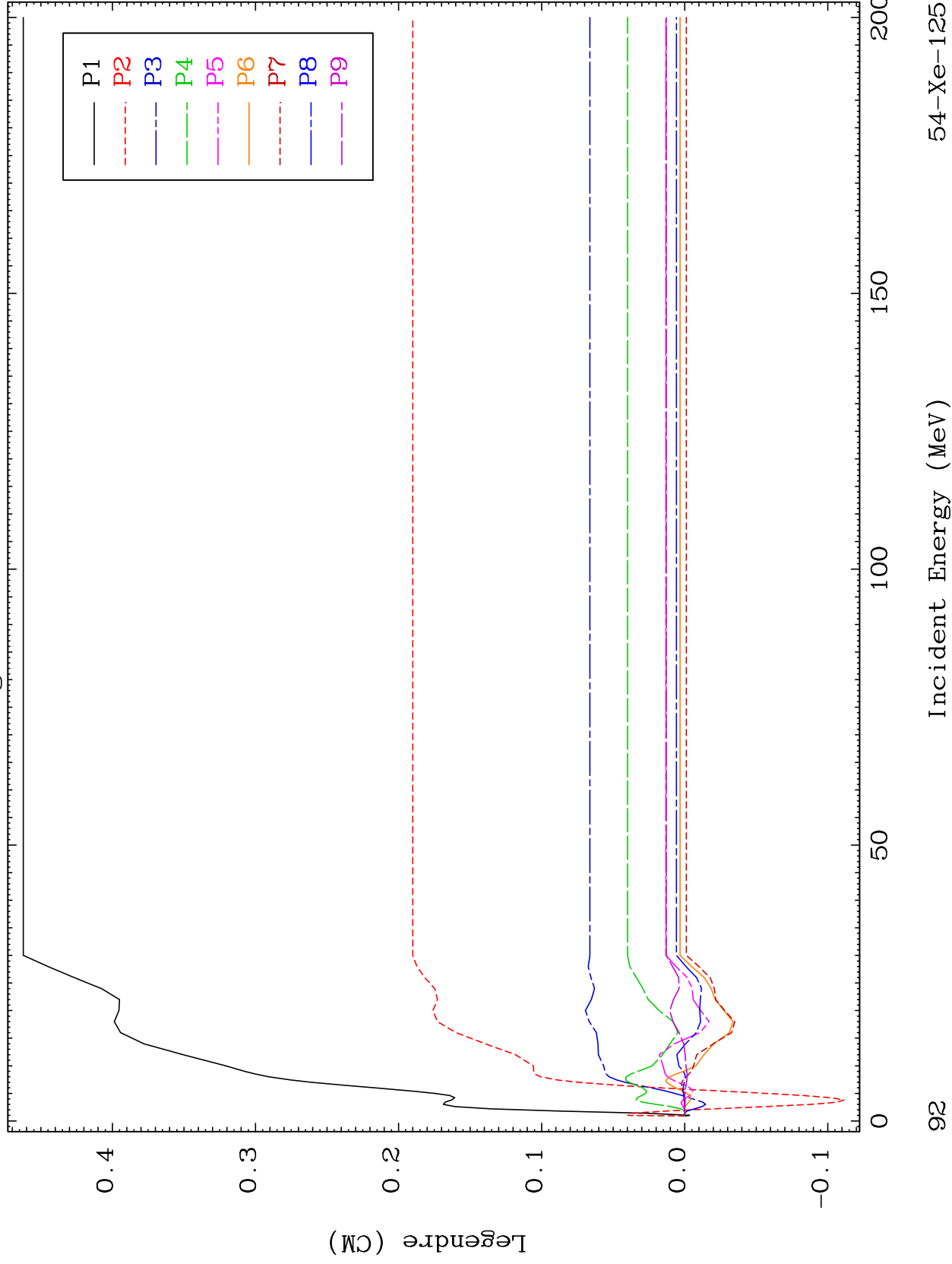




MAT 5428

887.0 keV (n,n') Level
Legendre Coefficients

54-Xe-125



54-Xe-125

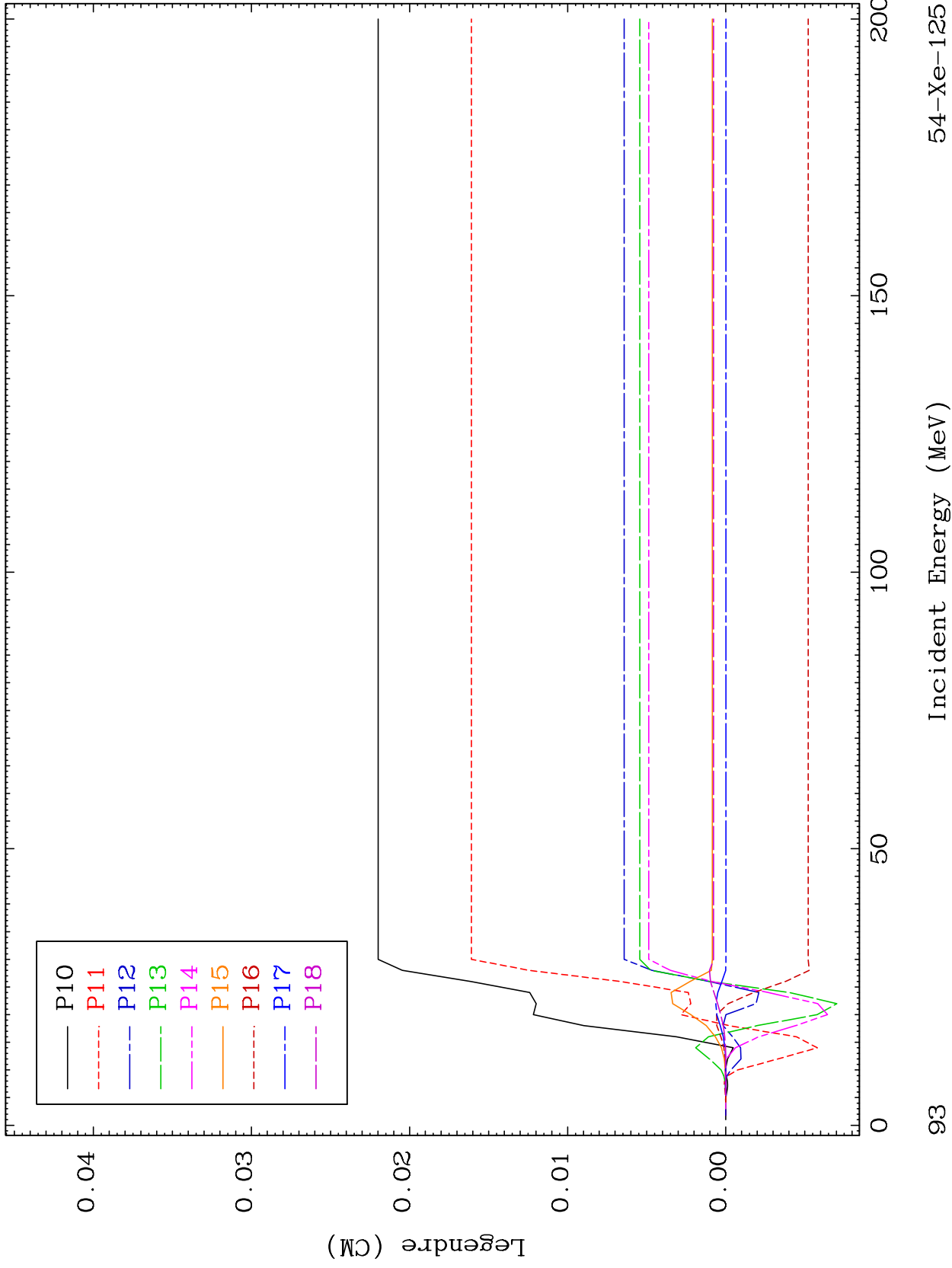
Incident Energy (MeV)

92

MAT 5428

887.0 keV (n,n') Level
Legendre Coefficients

54-Xe-125



93

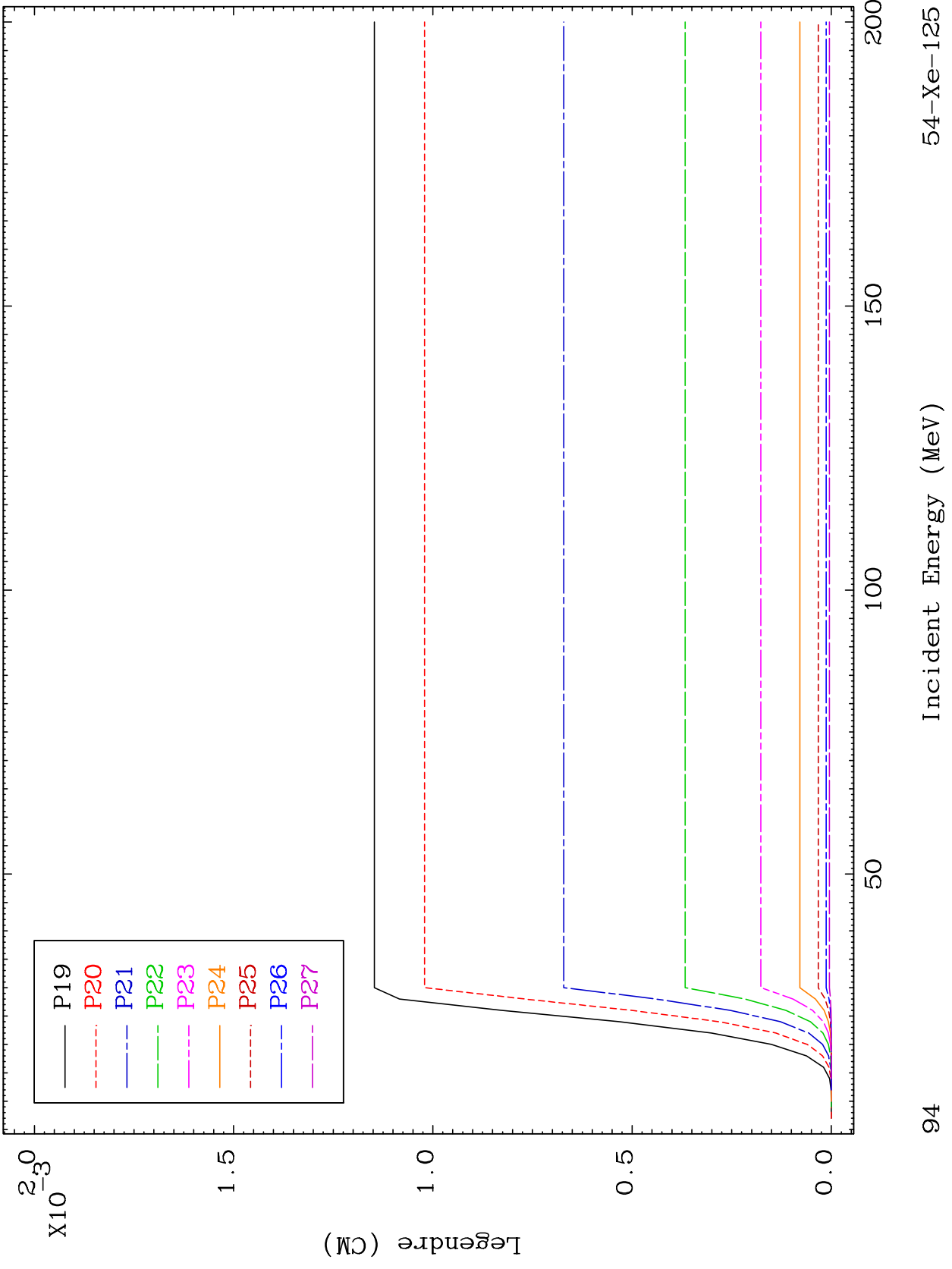
Incident Energy (MeV)

54-Xe-125

MAT 5428

887.0 keV (n,n') Level
Legendre Coefficients

54-Xe-125



94

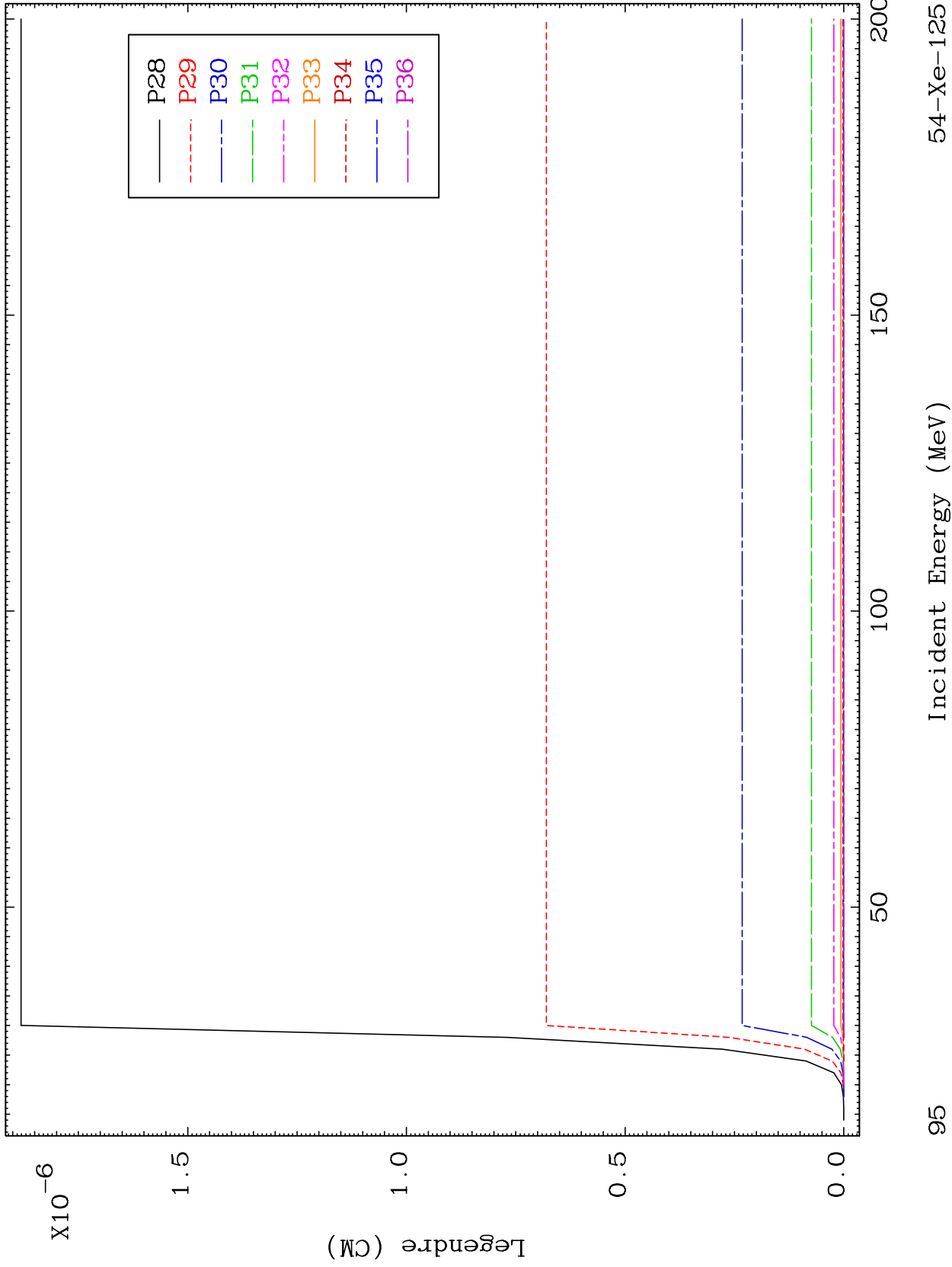
Incident Energy (MeV)

54-Xe-125

MAT 5428

887.0 keV (n,n') Level
Legendre Coefficients

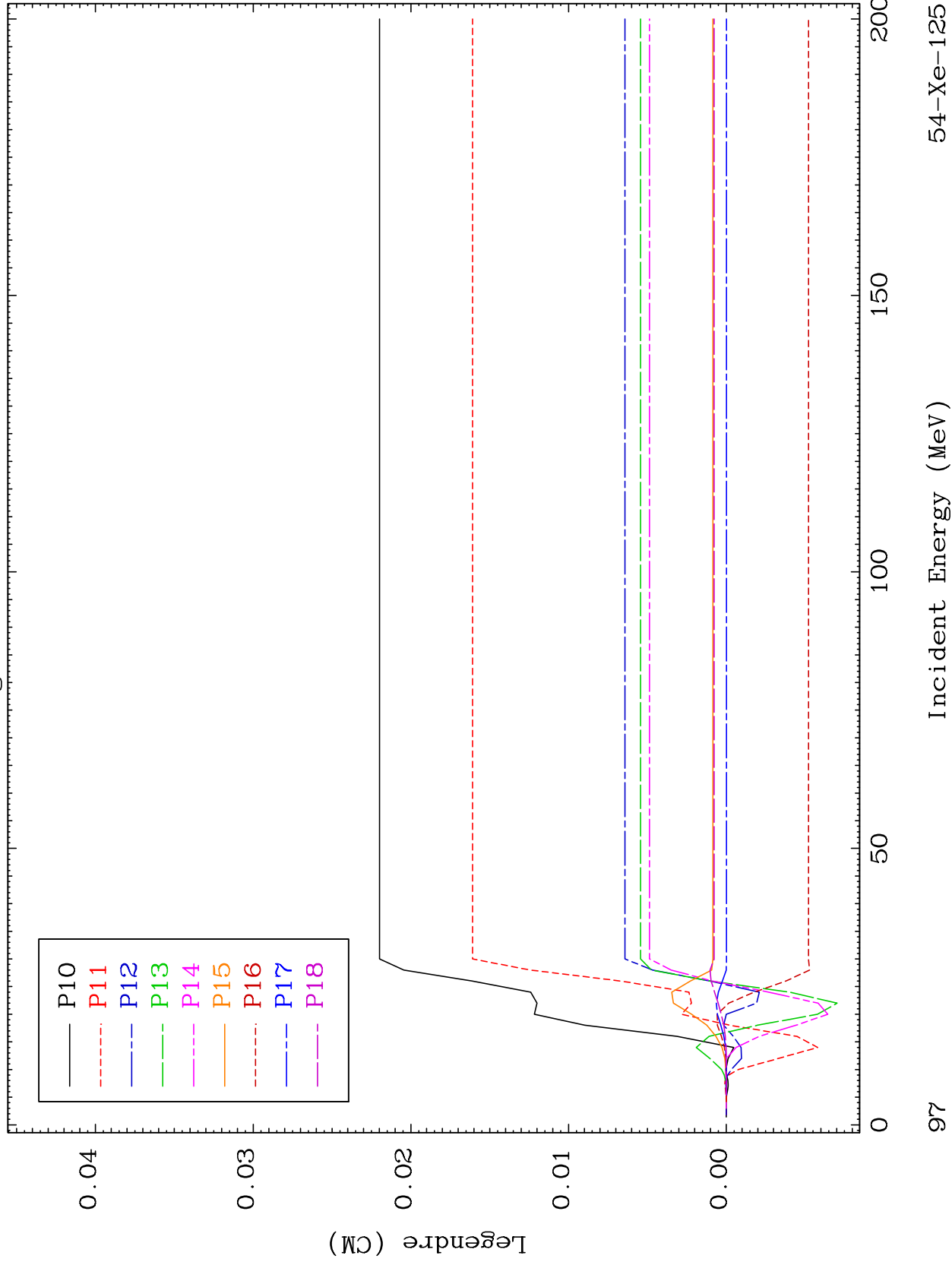
54-Xe-125



MAT 5428

889.3 keV (n,n') Level
Legendre Coefficients

54-Xe-125



97

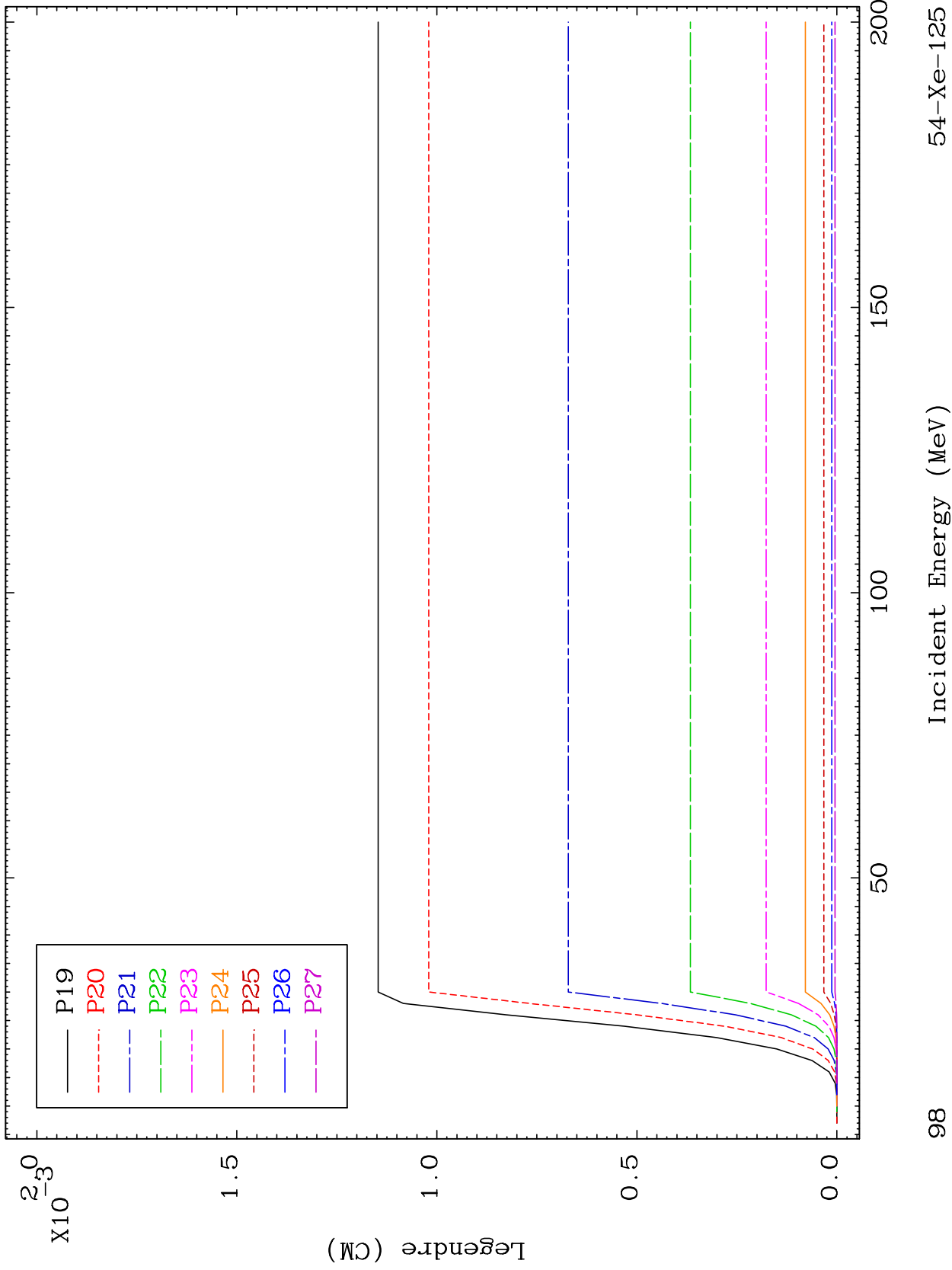
Incident Energy (MeV)

54-Xe-125

MAT 5428

889.3 keV (n,n') Level
Legendre Coefficients

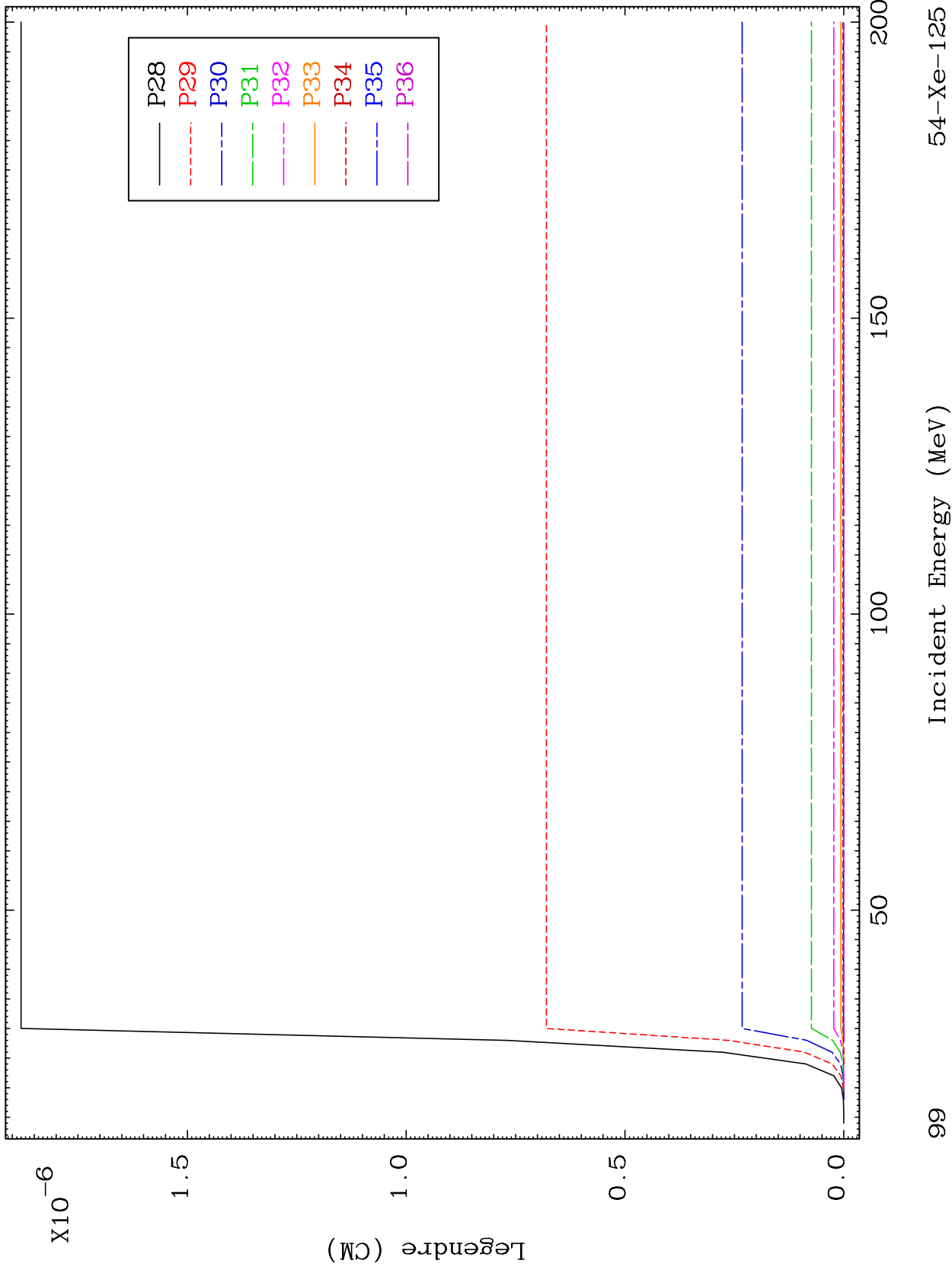
54-Xe-125



MAT 5428

889.3 keV (n,n') Level
Legendre Coefficients

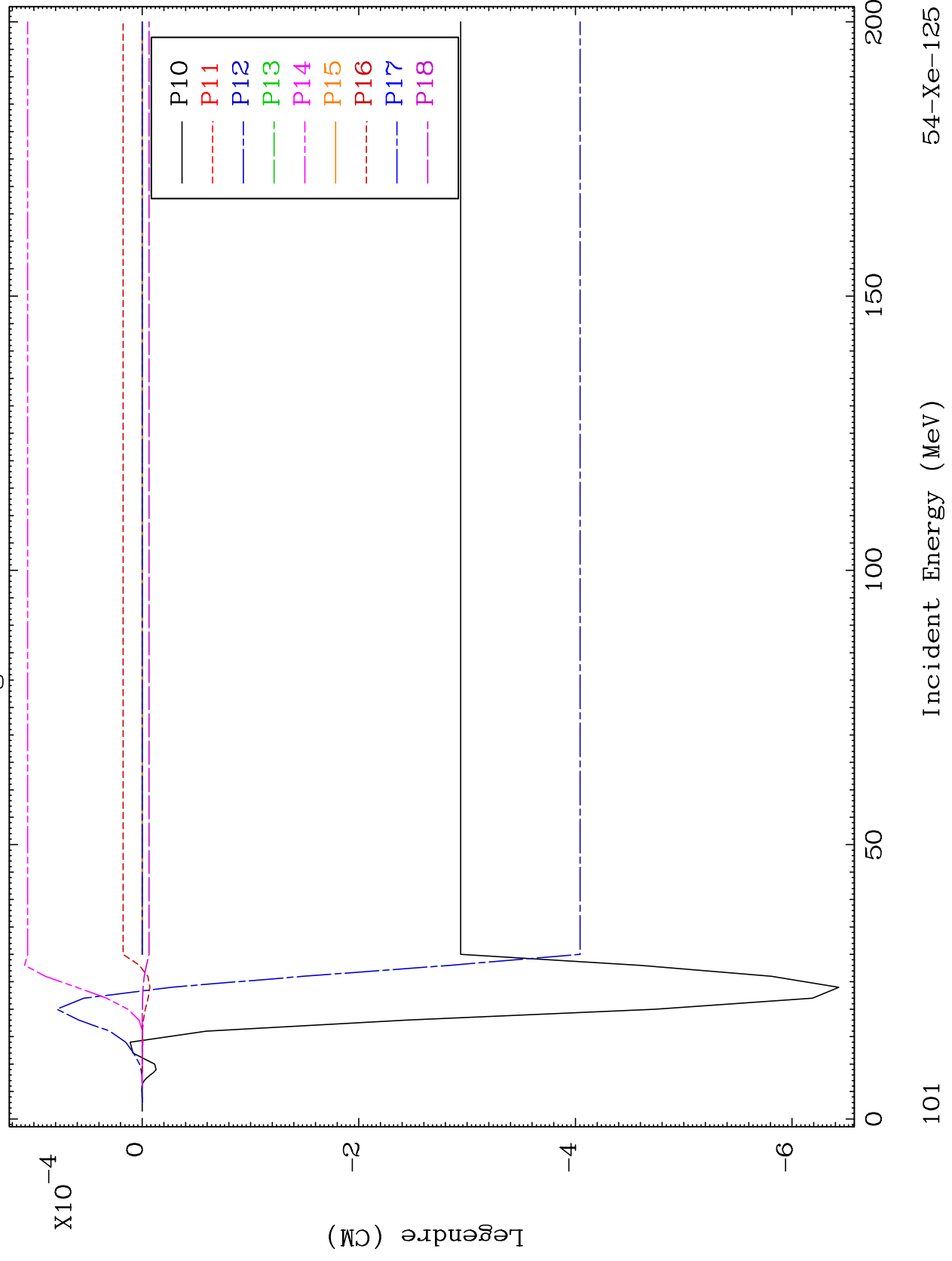
54-Xe-125



MAT 5428

893.5 keV (n,n') Level
Legendre Coefficients

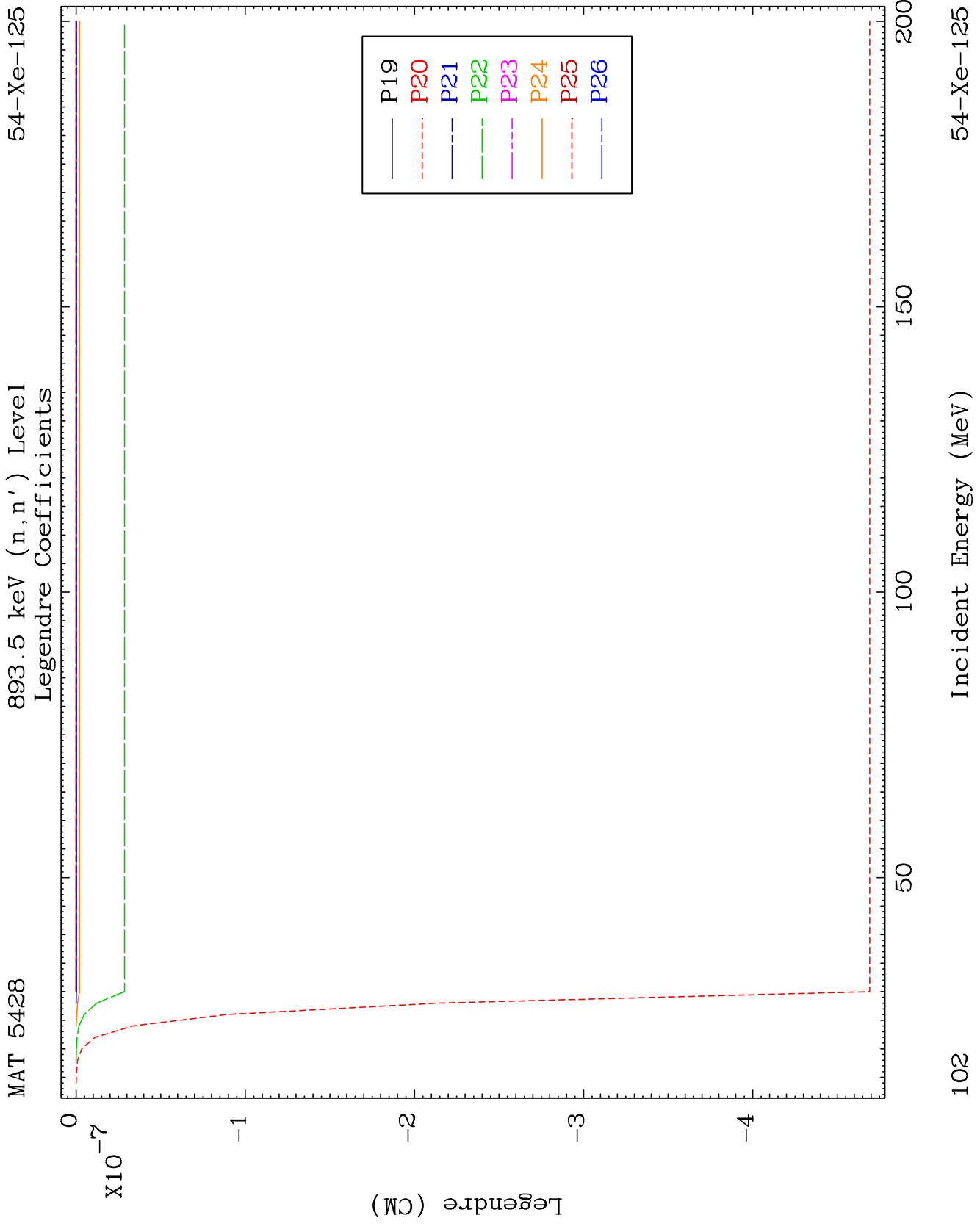
54-Xe-125



101

Incident Energy (MeV)

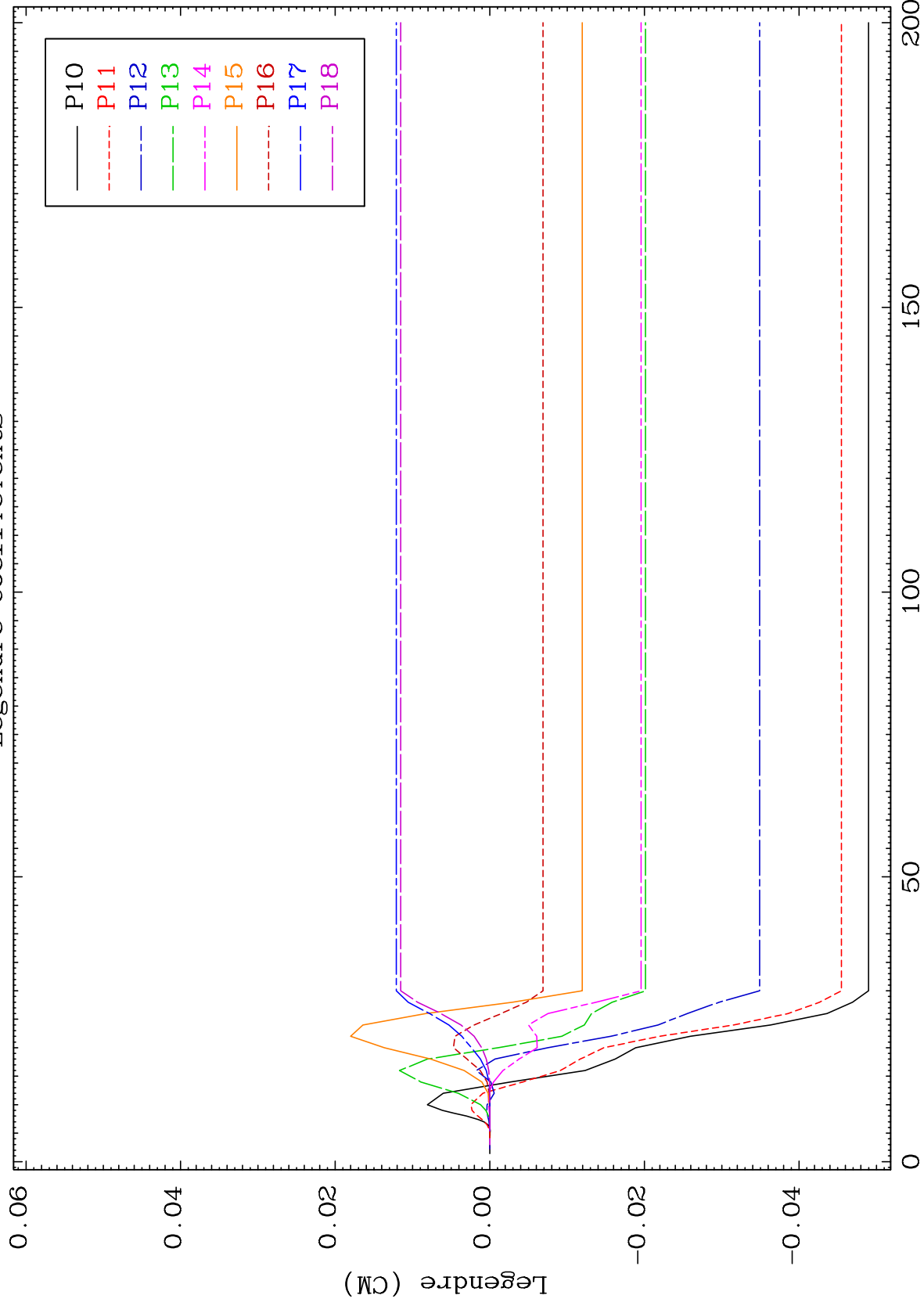
54-Xe-125



MAT 5428

896.0 keV (n,n') Level
Legendre Coefficients

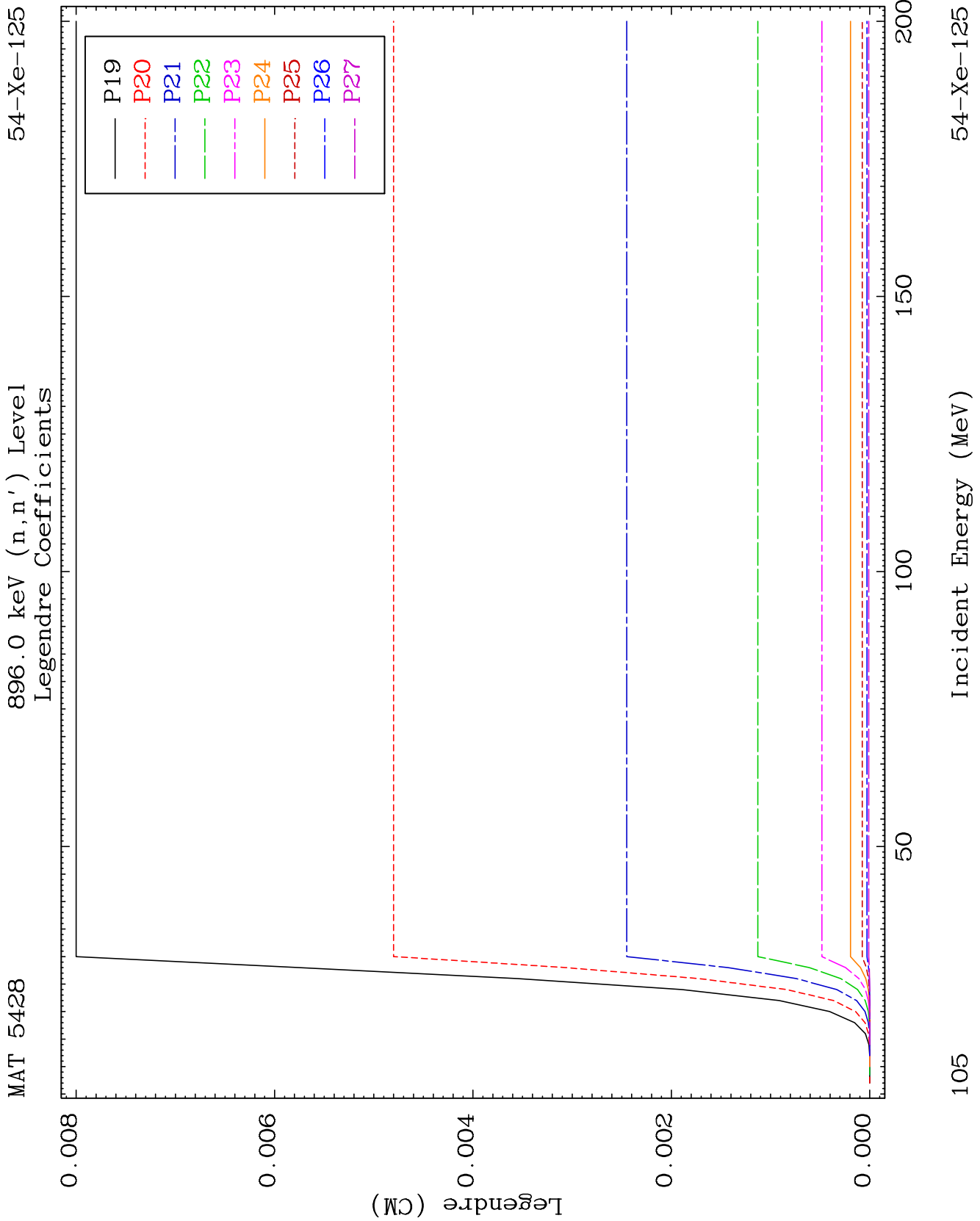
54-Xe-125



104

Incident Energy (MeV)

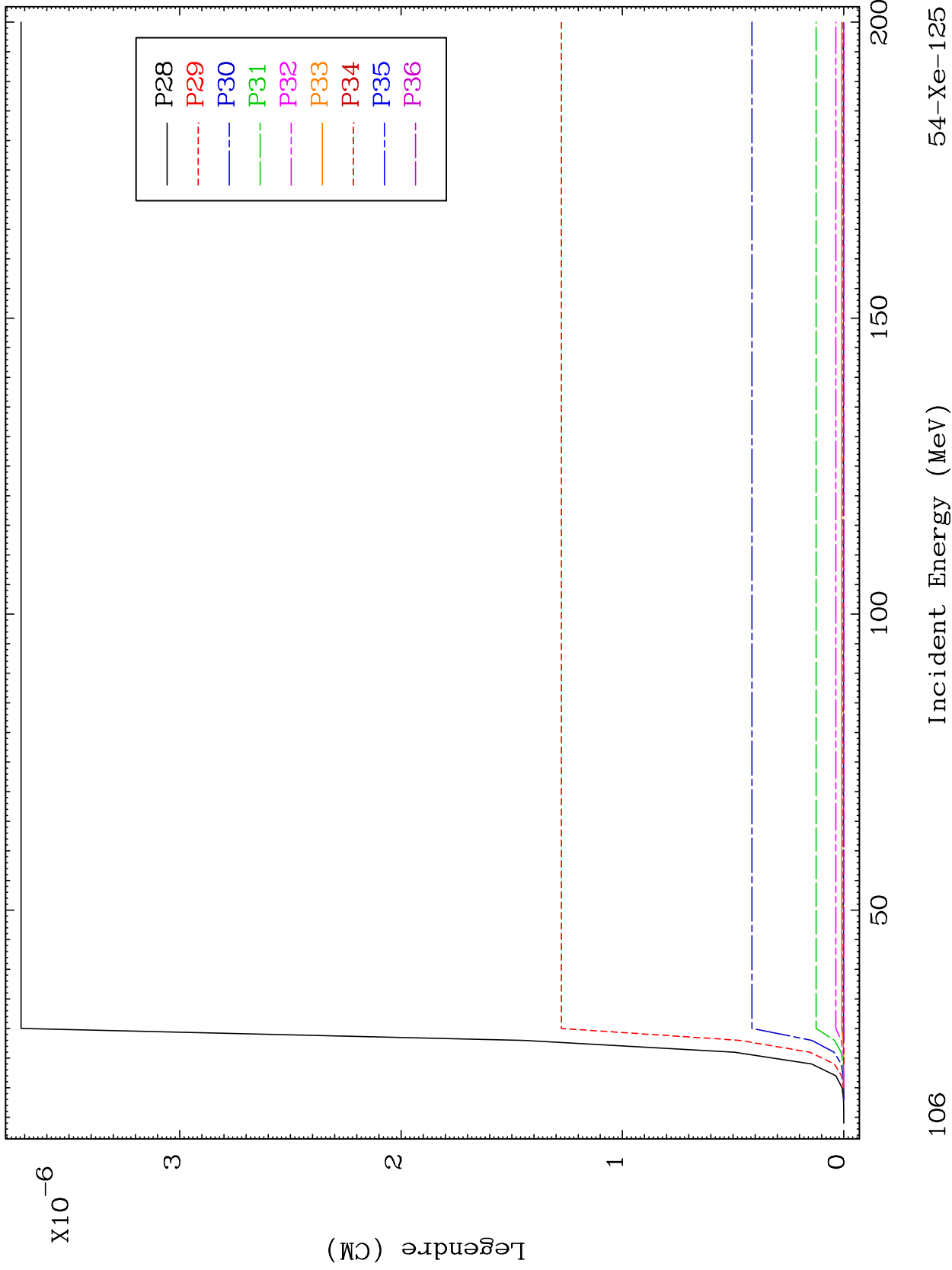
54-Xe-125

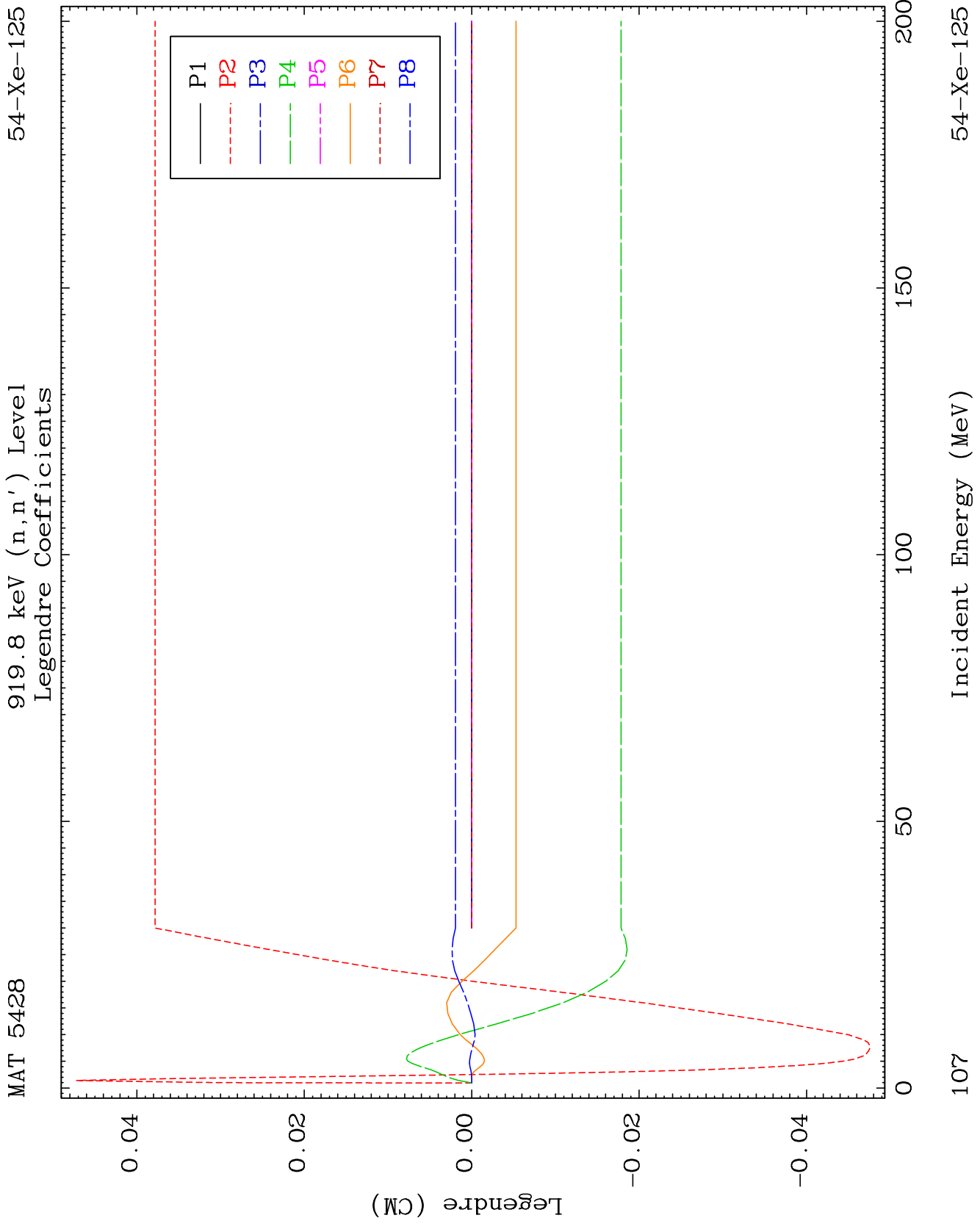


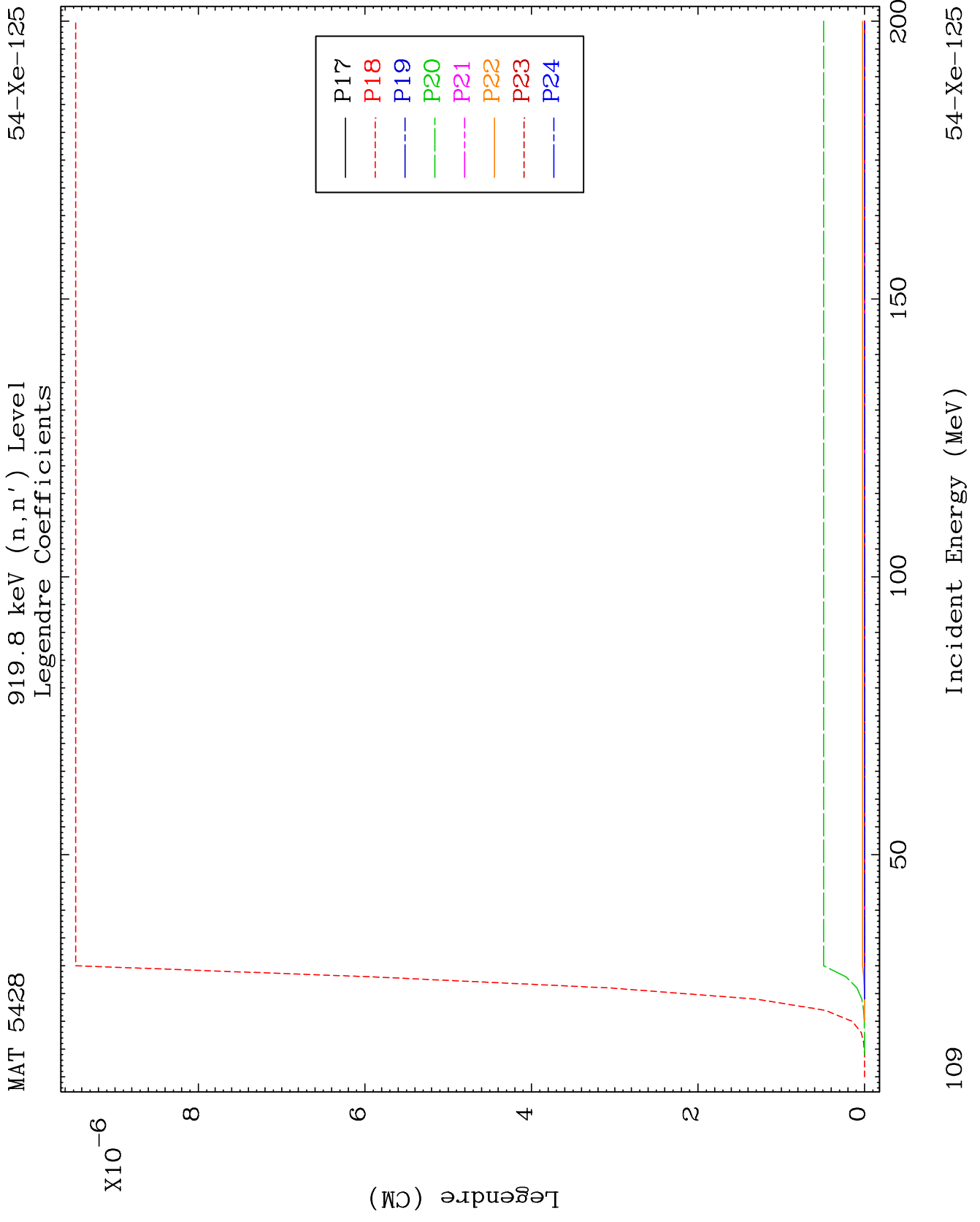
MAT 5428

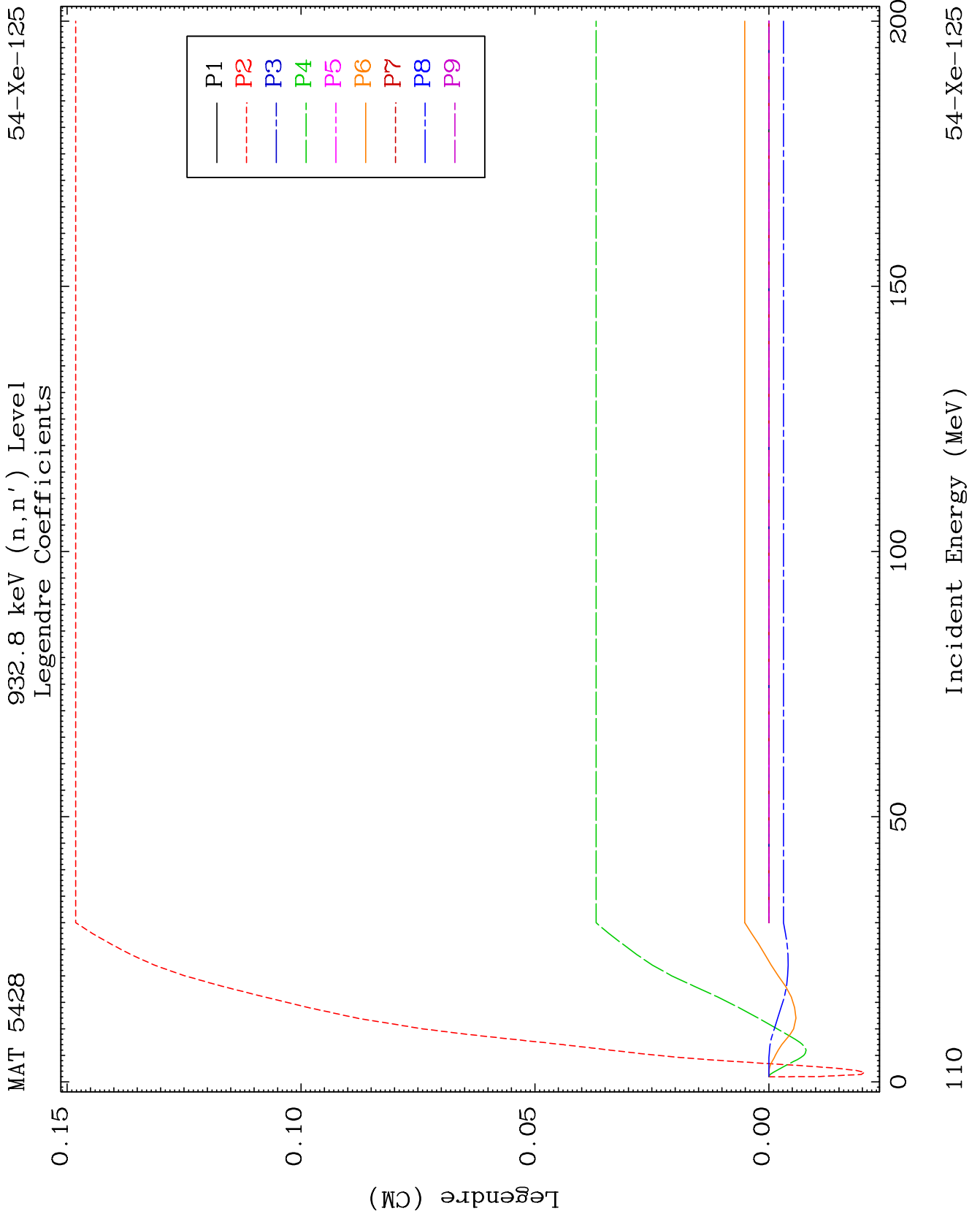
896.0 keV (n,n') Level
Legendre Coefficients

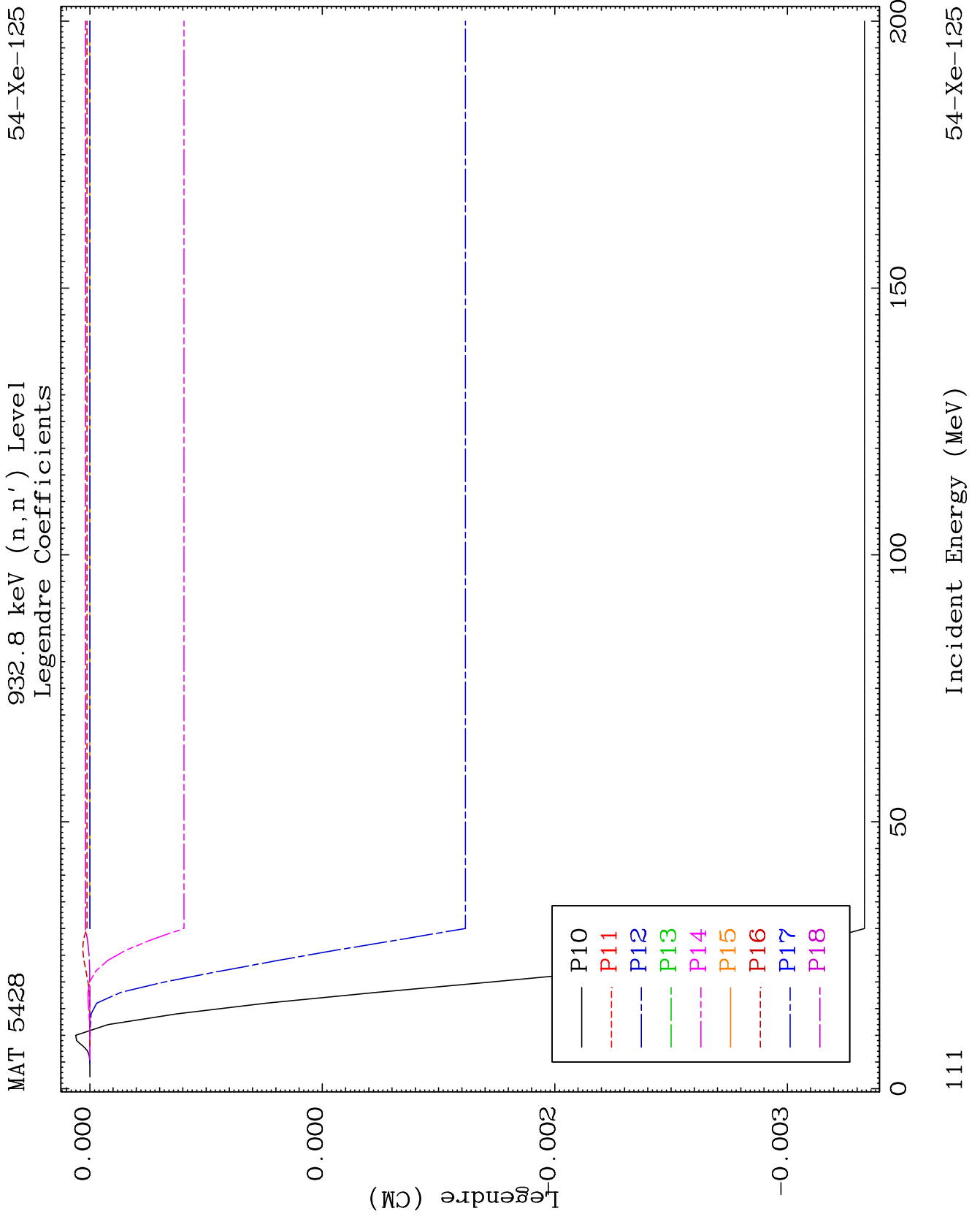
54-Xe-125

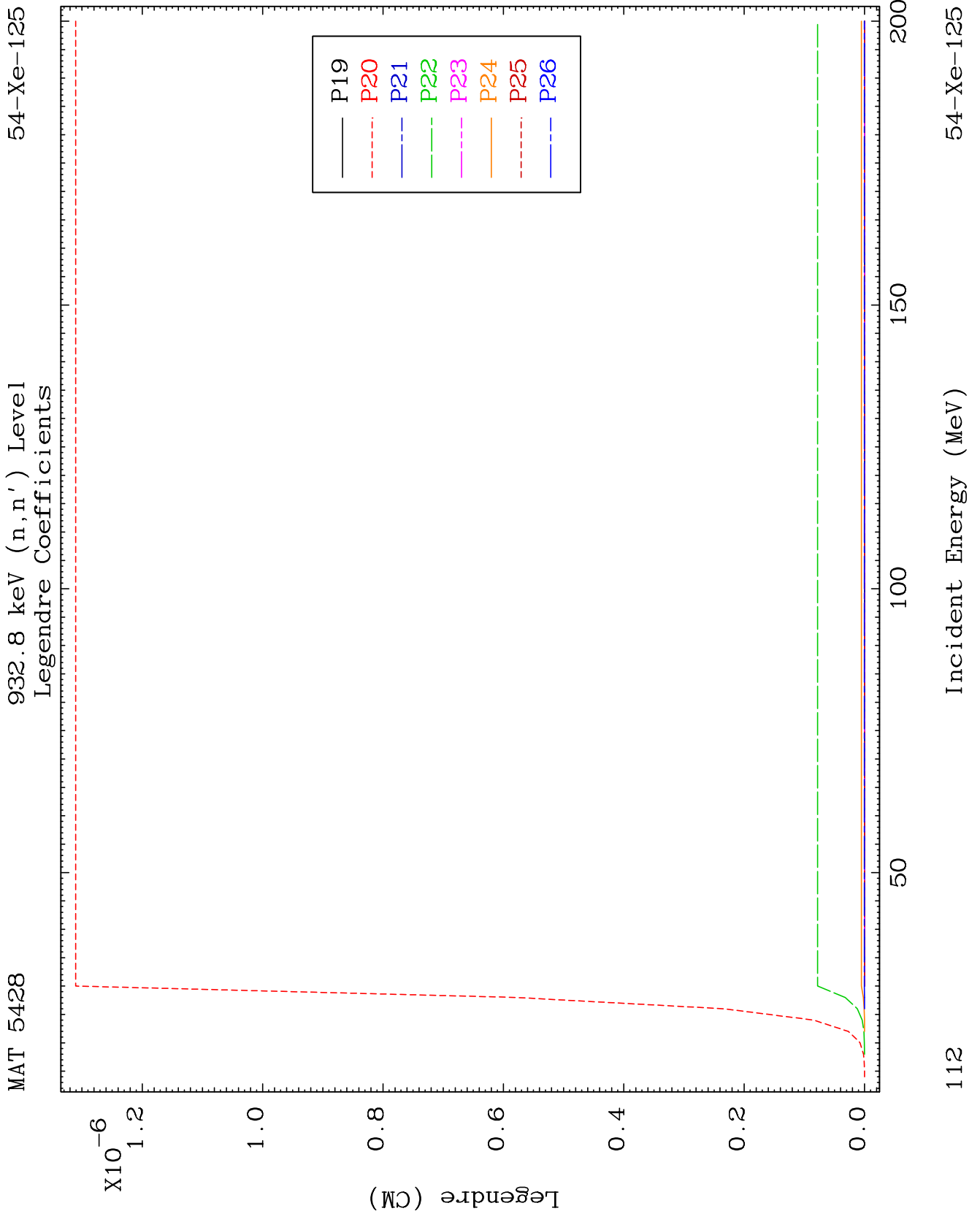


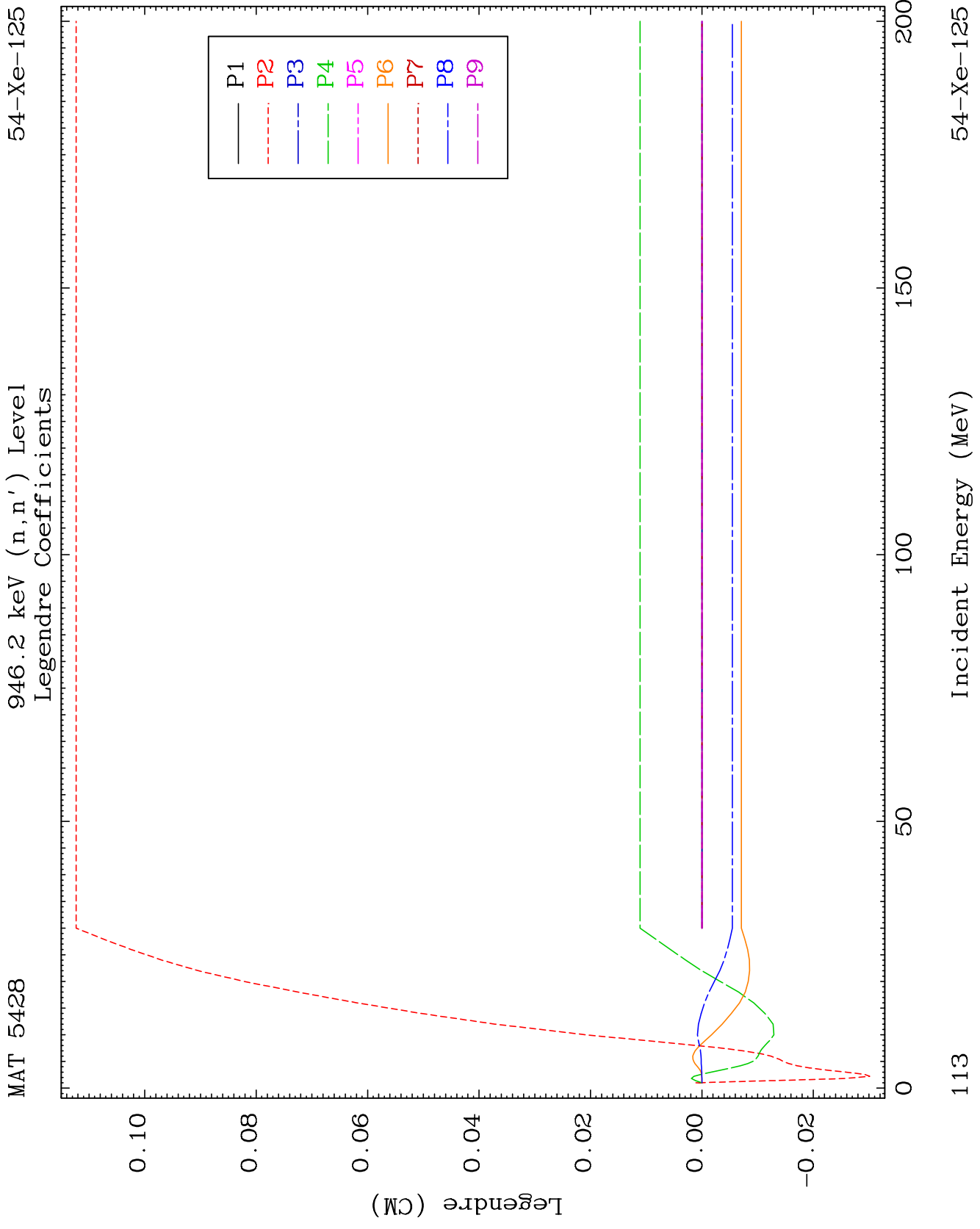








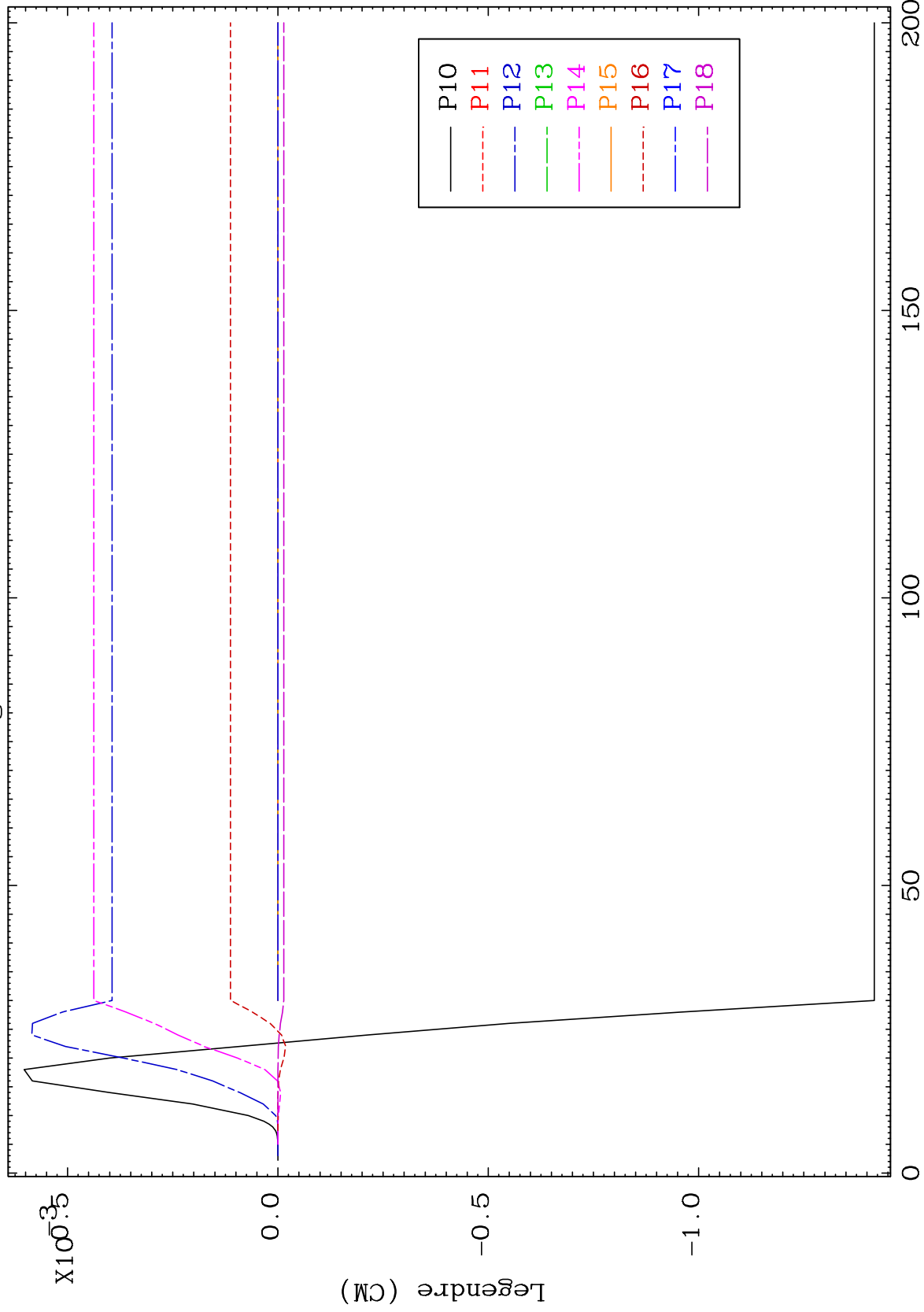




MAT 5428

946.2 keV (n,n') Level
Legendre Coefficients

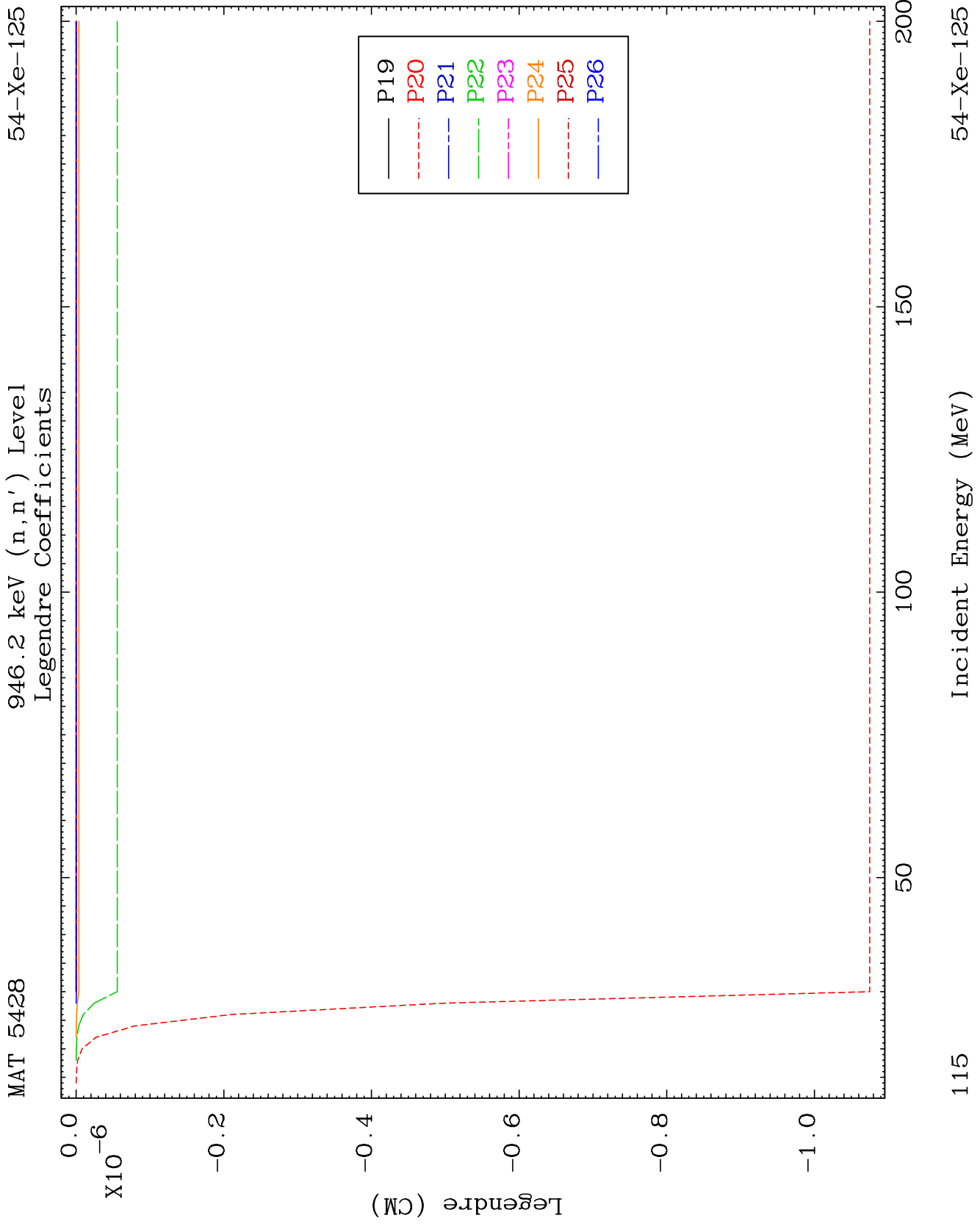
54-Xe-125



114

Incident Energy (MeV)

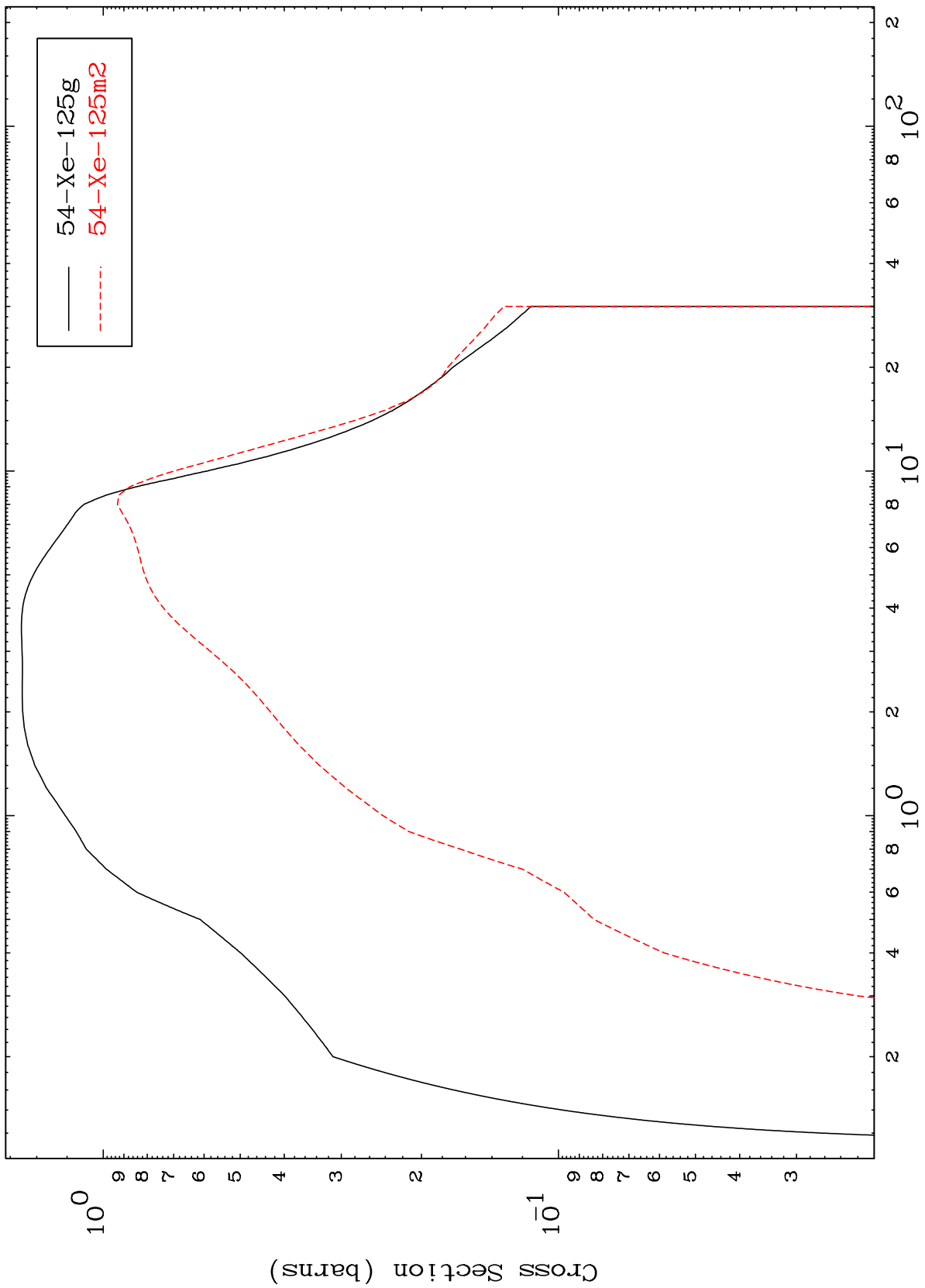
54-Xe-125



MAT 5428

54-Xe-125

Inelastic
Radionuclide Production Cross Section



116

Incident Energy (MeV)

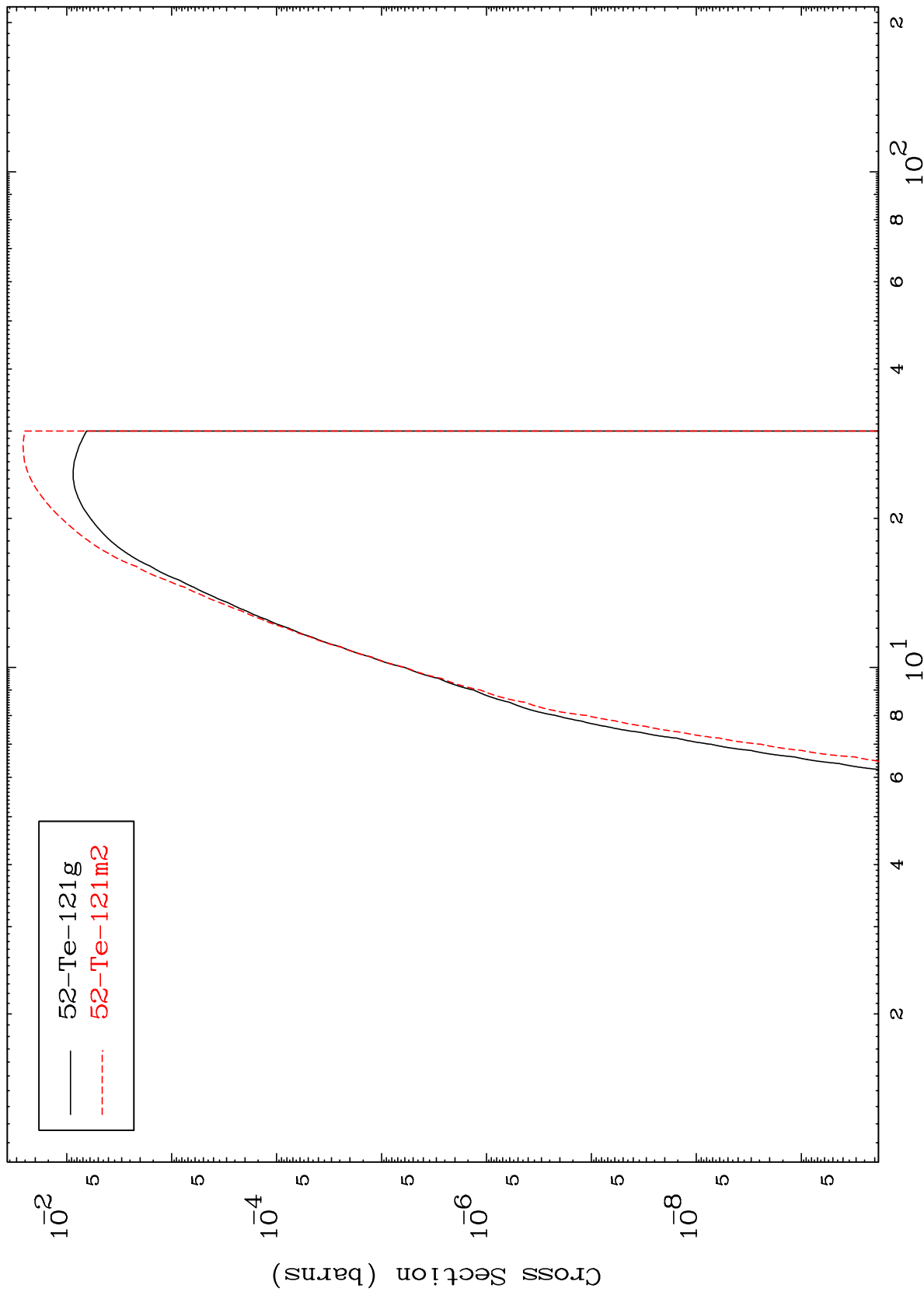
54-Xe-125

MAT 5428

(n,n') α

54-Xe-125

Radionuclide Production Cross Section



117

Incident Energy (MeV)

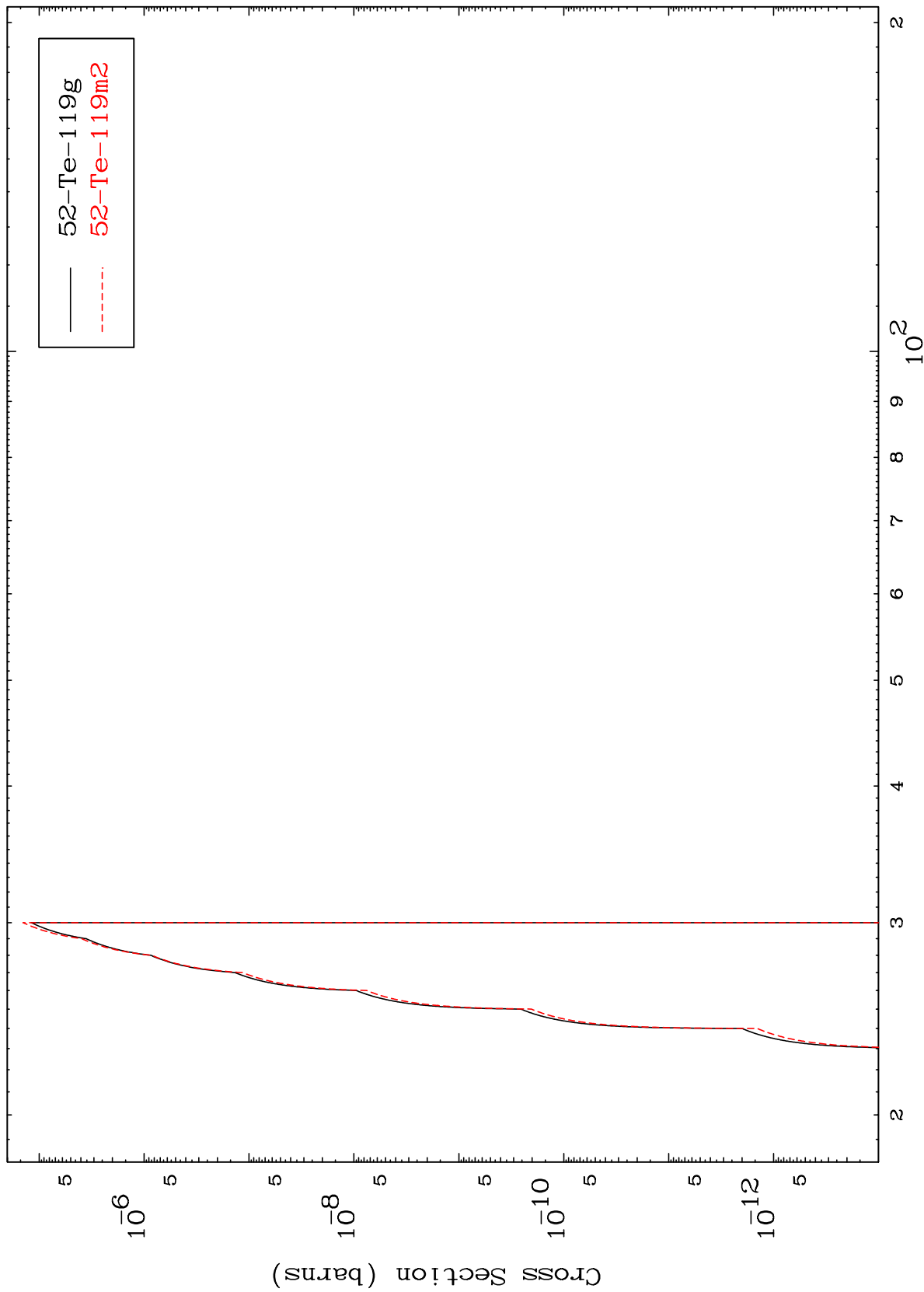
54-Xe-125

MAT 5428

$(n,3n) \alpha$

54-Xe-125

Radionuclide Production Cross Section



118

Incident Energy (MeV)

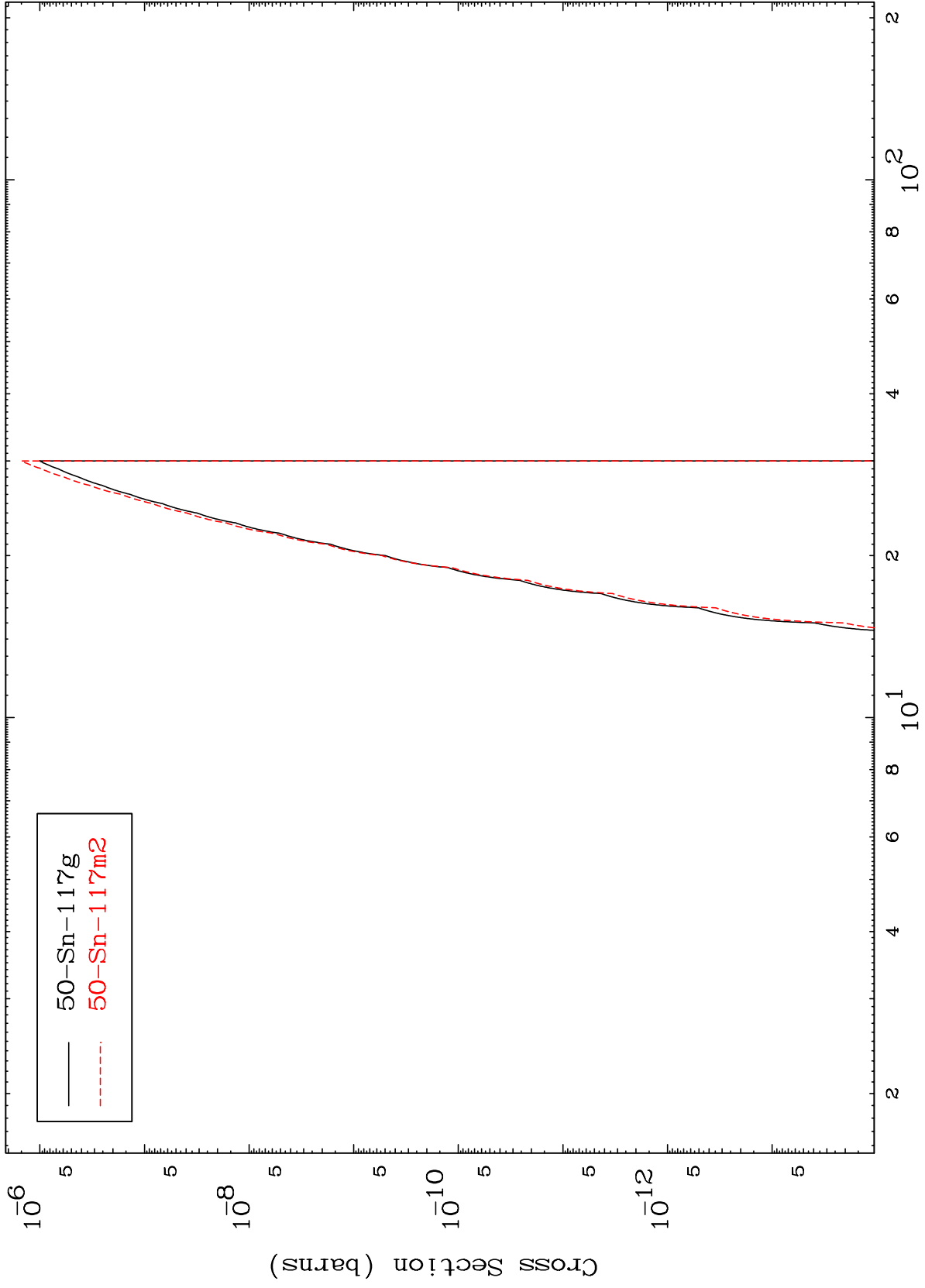
54-Xe-125

MAT 5428

(n,n') 2α

54-Xe-125

Radionuclide Production Cross Section



119

Incident Energy (MeV)

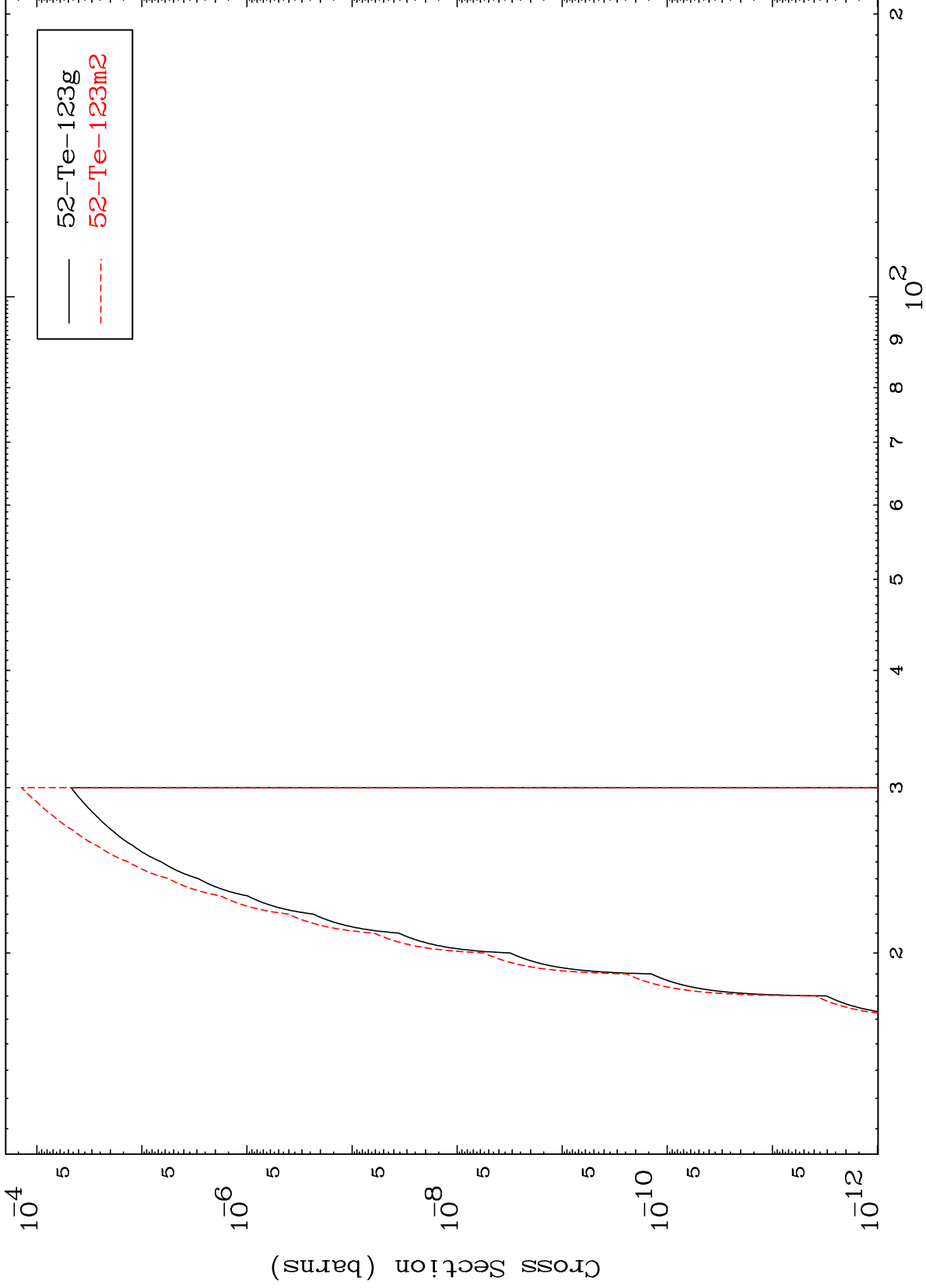
54-Xe-125

MAT 5428

(n,2n) p

54-Xe-125

Radionuclide Production Cross Section



120

Incident Energy (MeV)

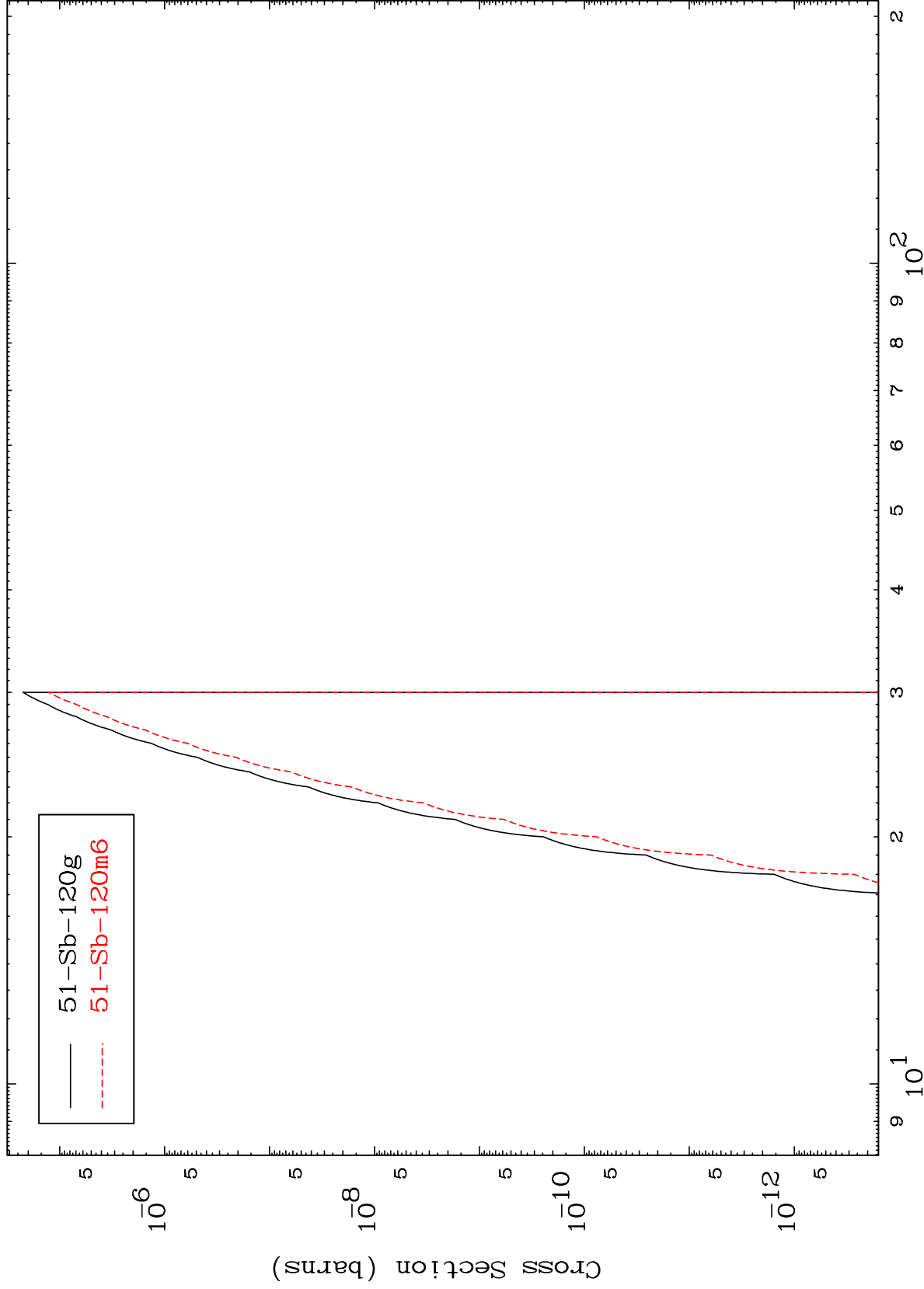
54-Xe-125

MAT 5428

(n,n') p α

54-Xe-125

Radionuclide Production Cross Section



121

Incident Energy (MeV)

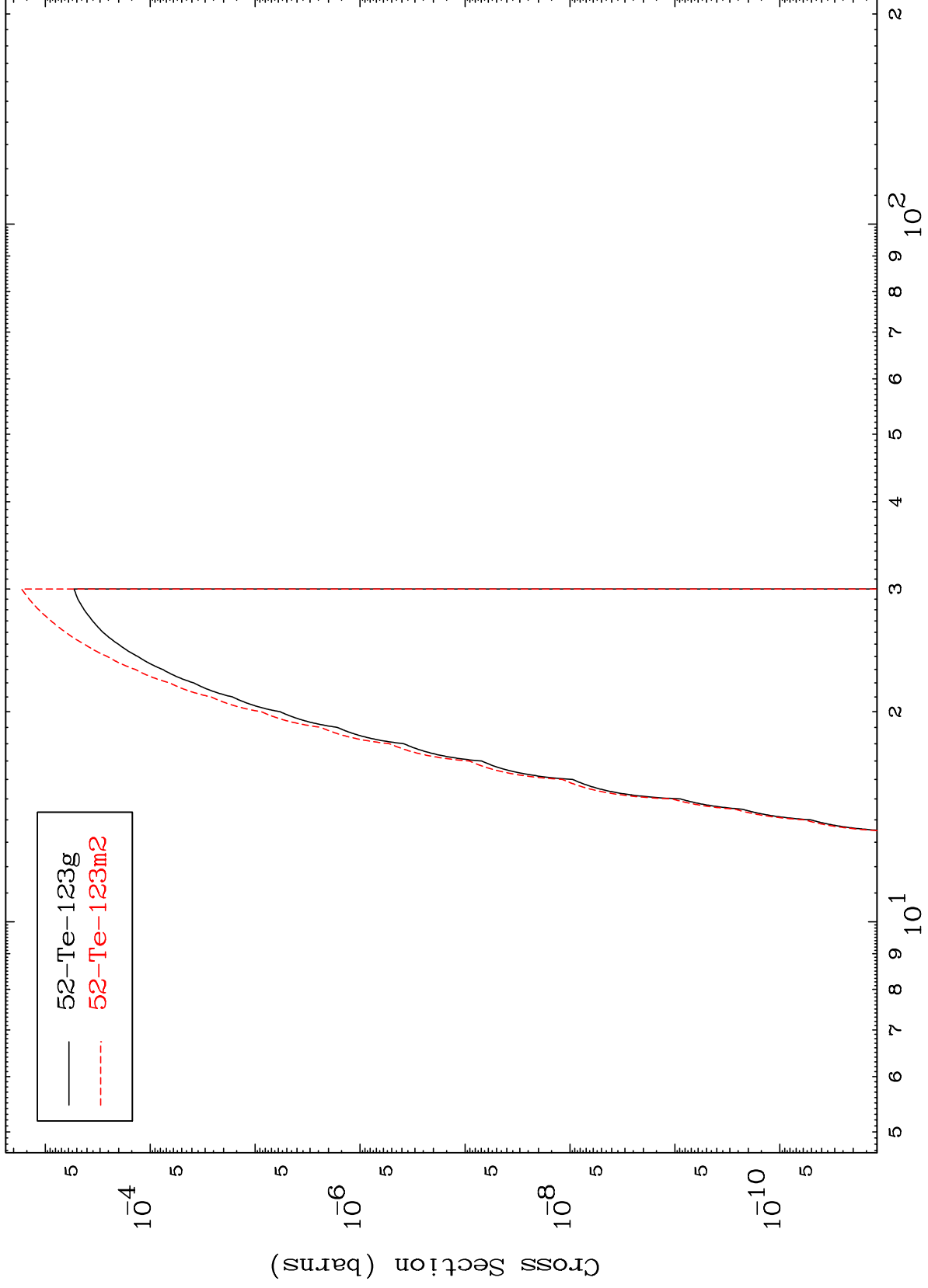
54-Xe-125

MAT 5428

(n,He-3)

54-Xe-125

Radionuclide Production Cross Section



122

Incident Energy (MeV)

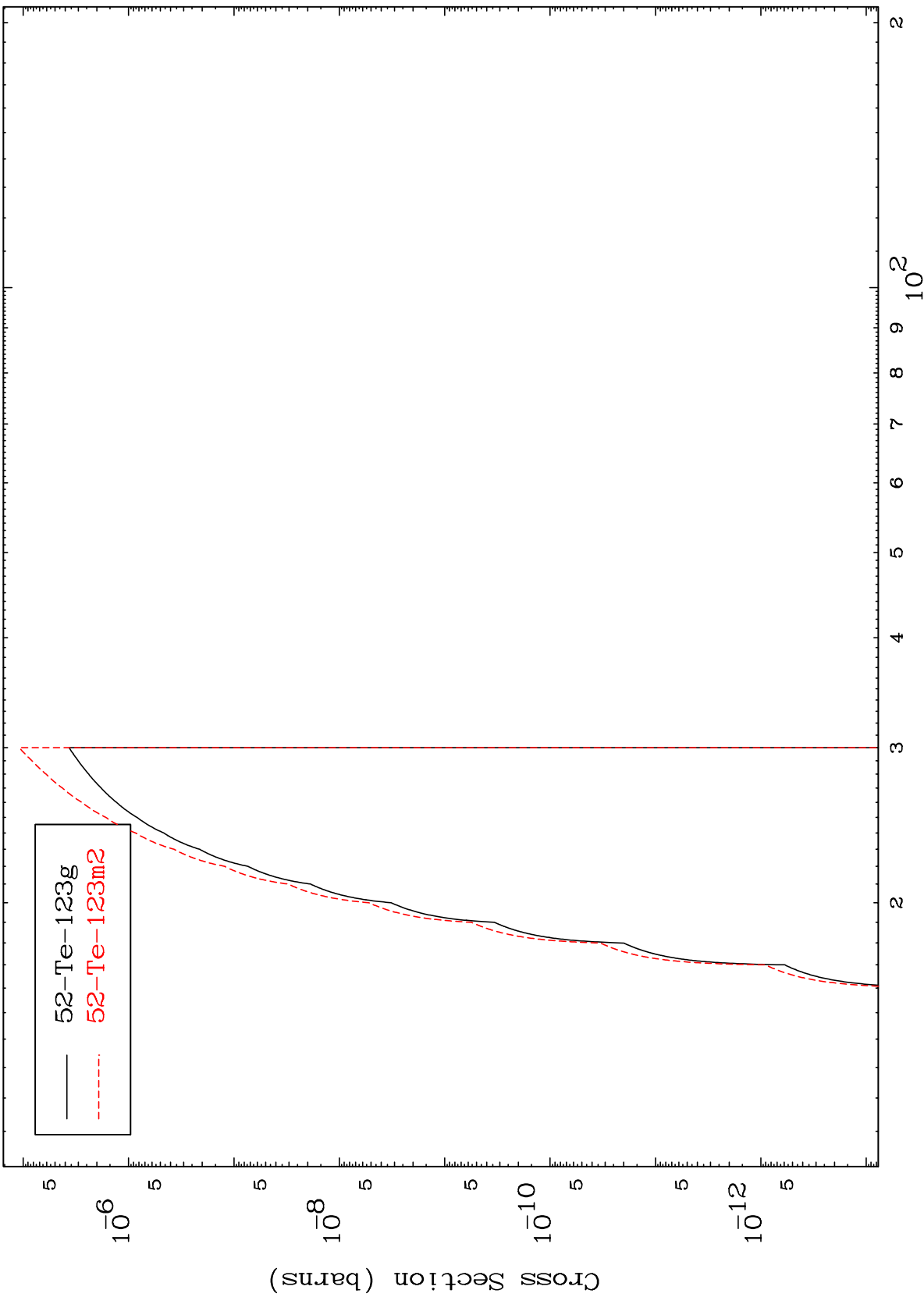
54-Xe-125

MAT 5428

(n,p) d

54-Xe-125

Radionuclide Production Cross Section



123

Incident Energy (MeV)

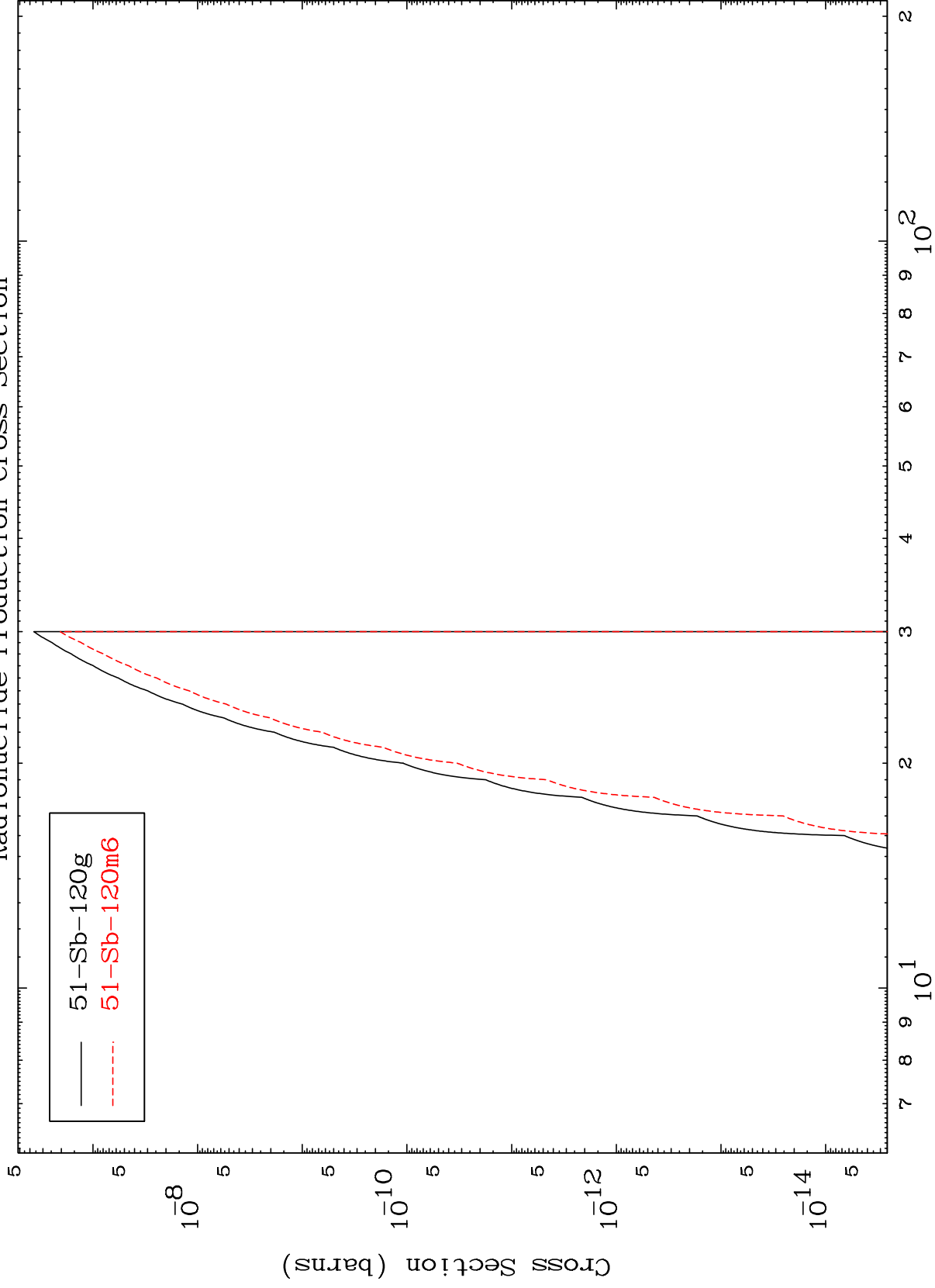
54-Xe-125

MAT 5428

(n,d) α

54-Xe-125

Radionuclide Production Cross Section



124

Incident Energy (MeV)

54-Xe-125