

Program EVALPLOT
(Version 2015-2)

by

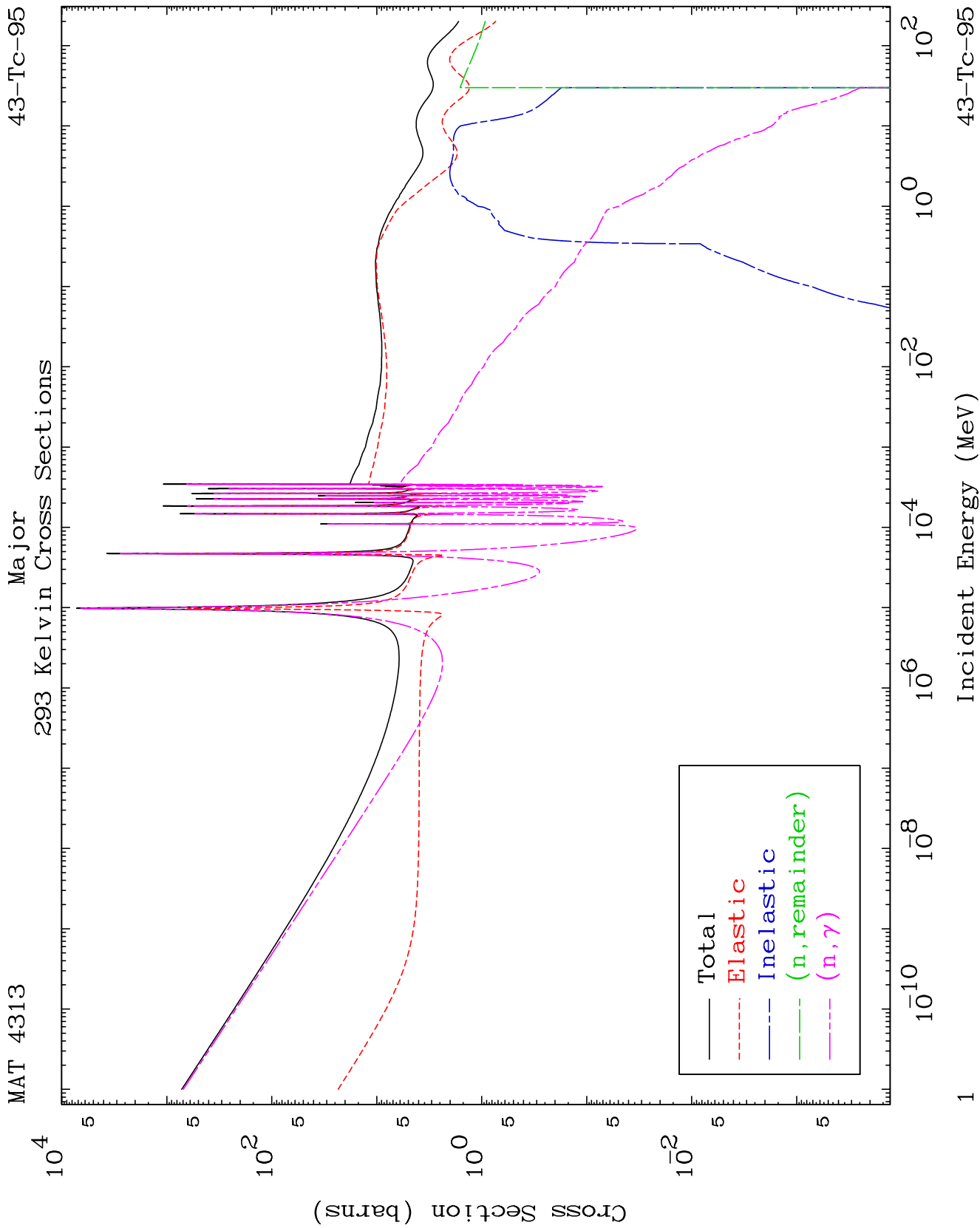
Dermott E. Cullen
(Present Contact Information)

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

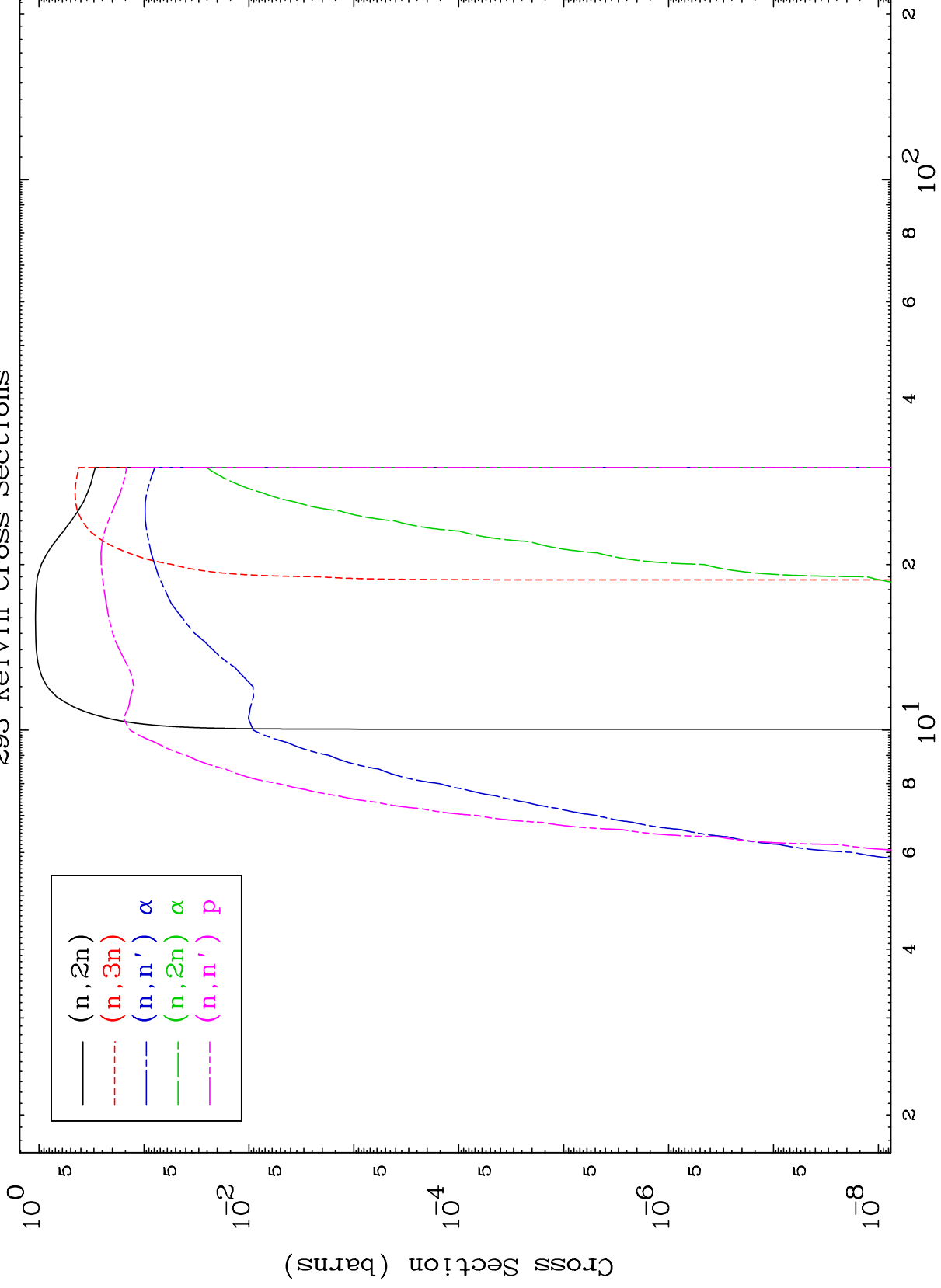
Press Mouse Button to Start



MAT 4313

Neutron Production
293 Kelvin Cross Sections

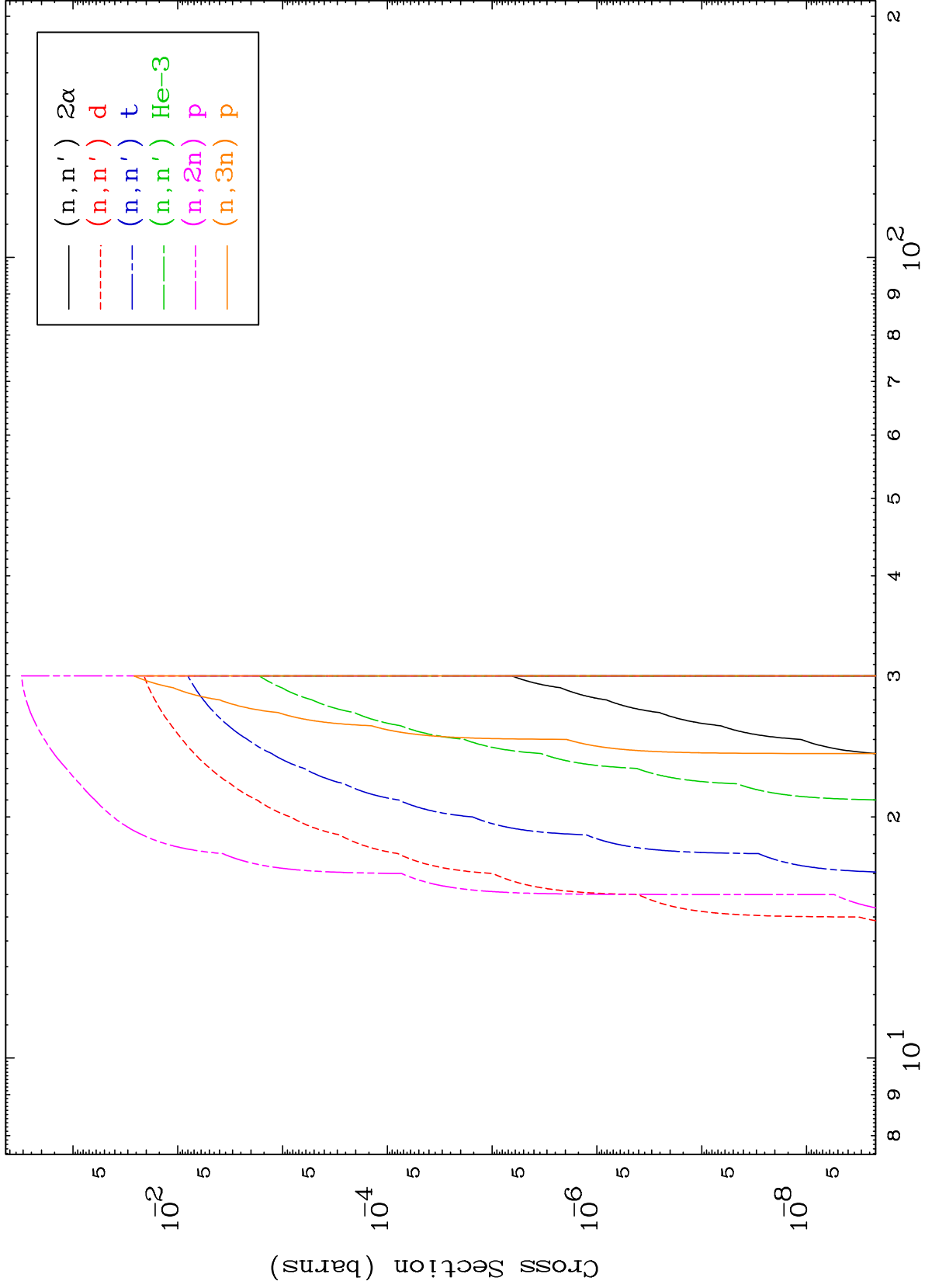
43-Tc-95



2

Incident Energy (MeV)

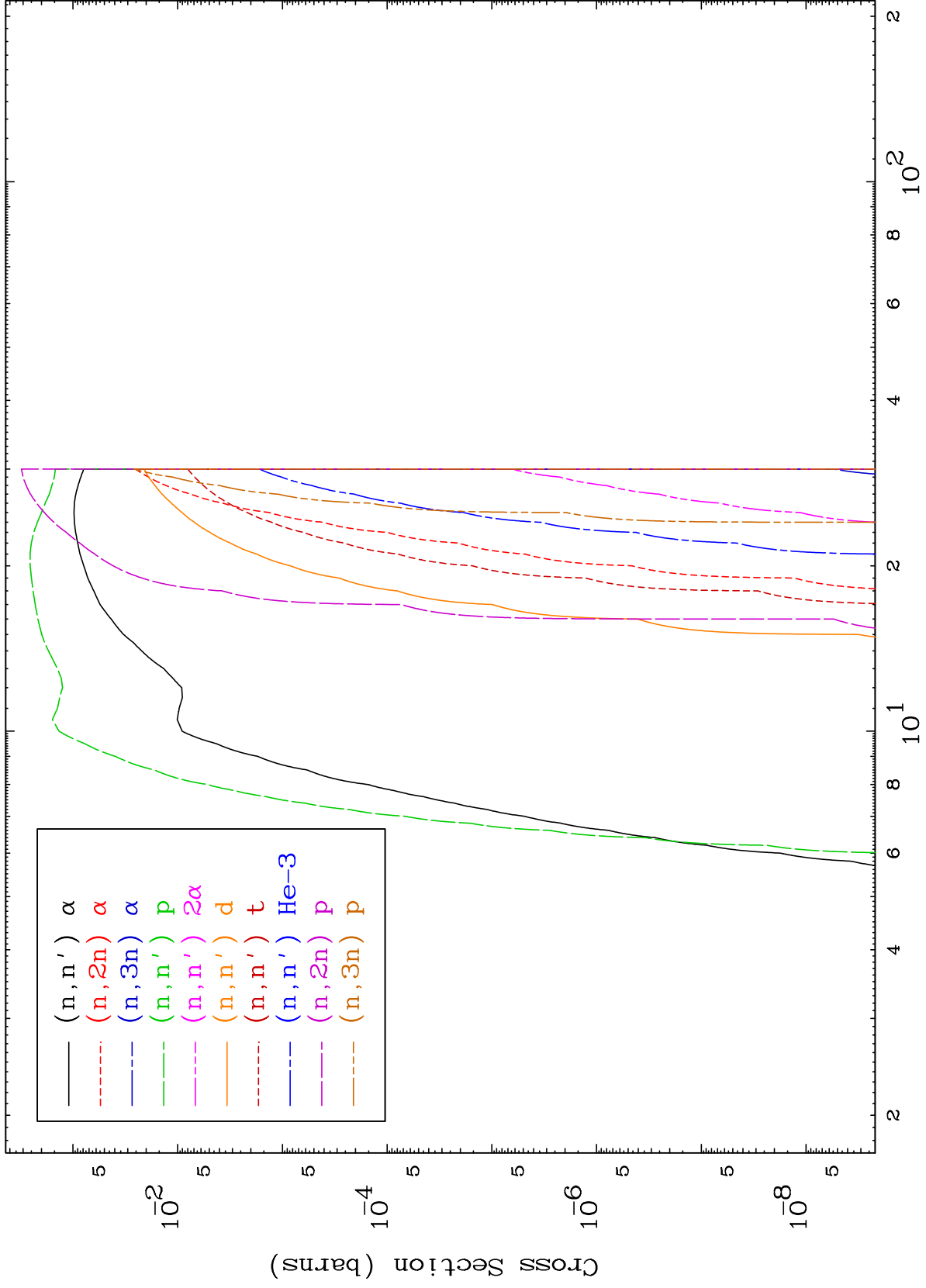
43-Tc-95



MAT 4313

Charged Particle
293 Kelvin Cross Sections

43-Tc-95



4

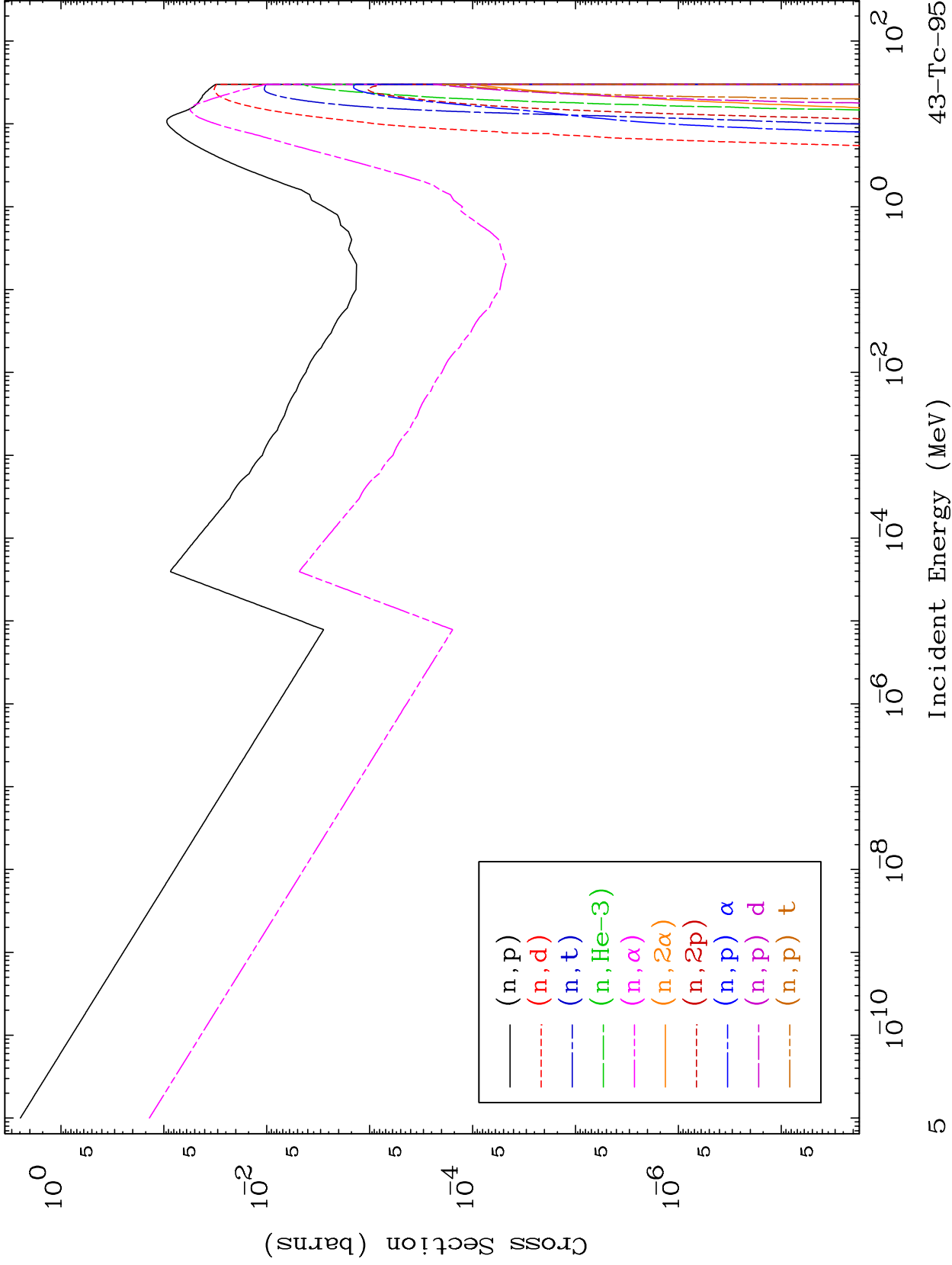
Incident Energy (MeV)

43-Tc-95

MAT 4313

Charged Particle
293 Kelvin Cross Sections

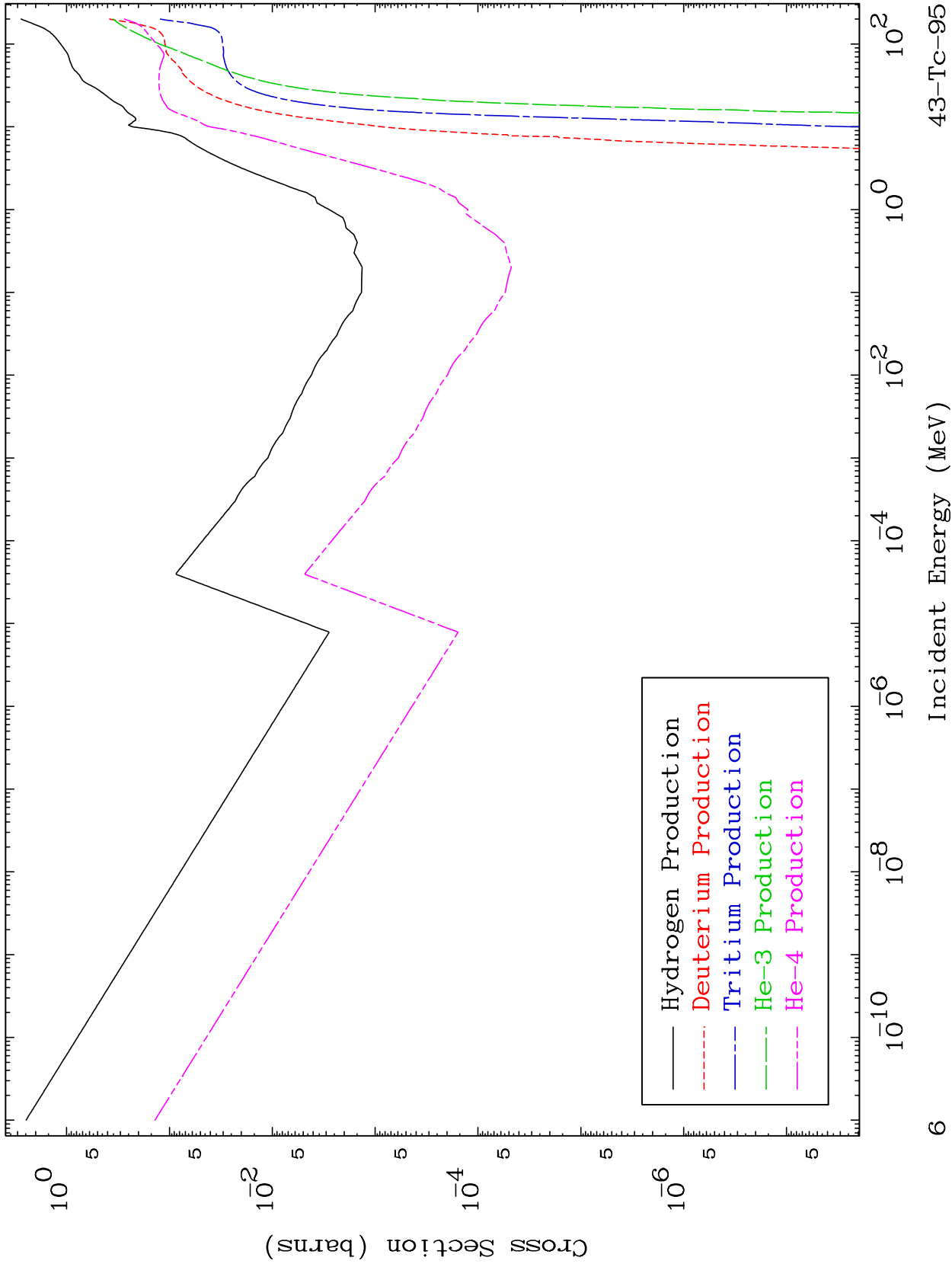
43-Tc-95



MAT 4313

Particle Production
293 Kelvin Cross Sections

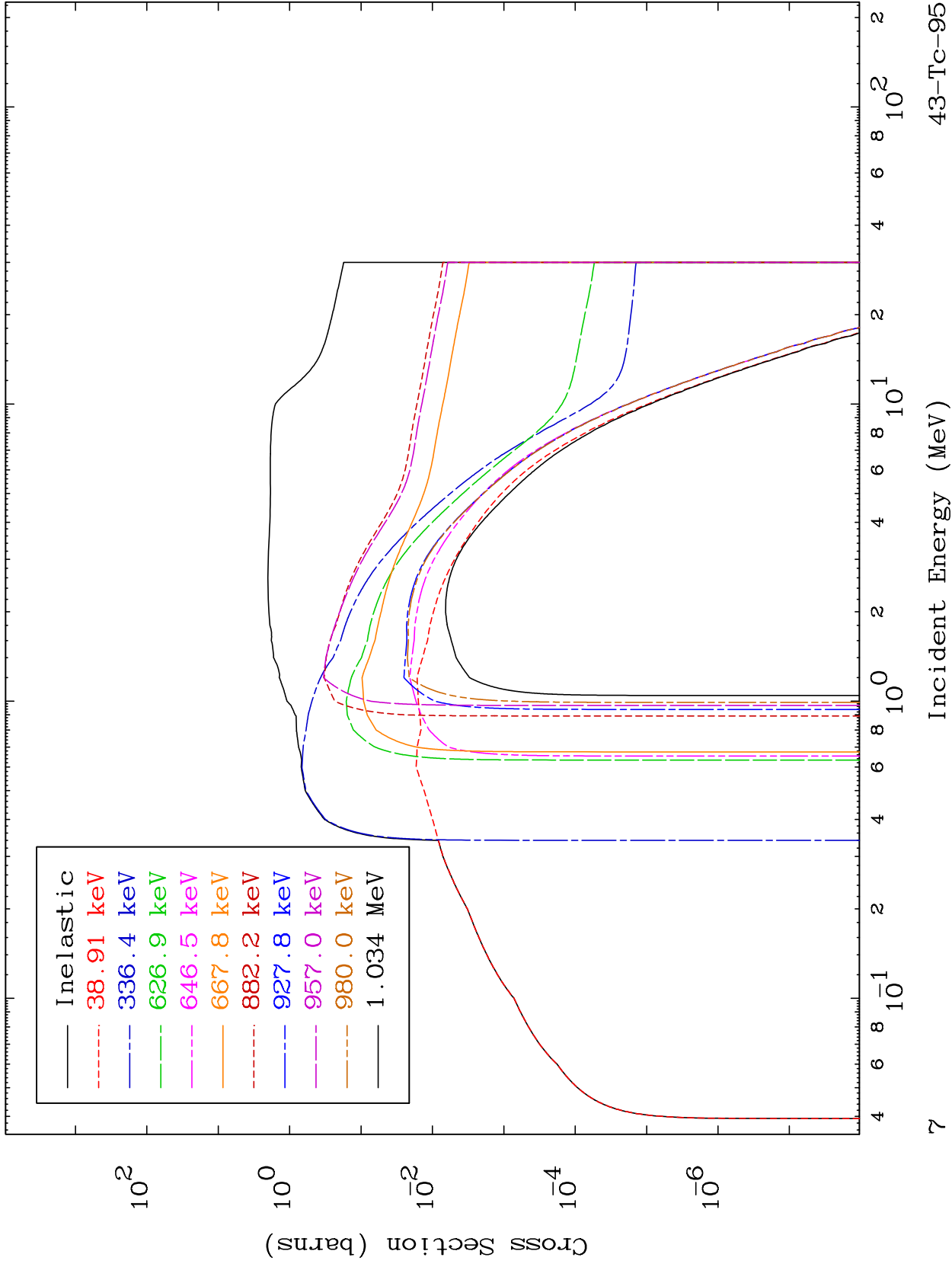
43-Tc-95



MAT 4313

(n,n') Level
293 Kelvin Cross Sections

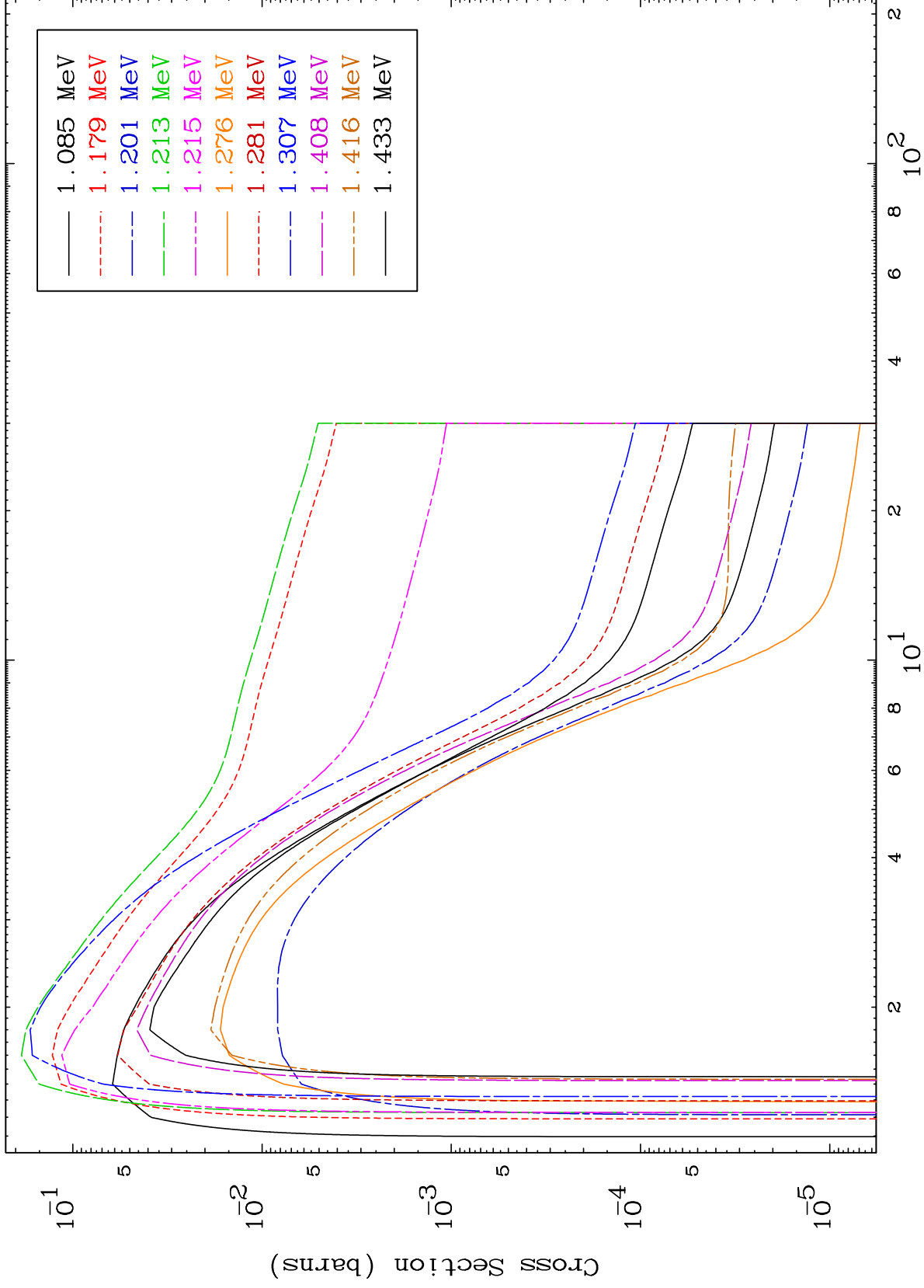
43-Tc-95



MAT 4313

(n,n') Level
293 Kelvin Cross Sections

43-Tc-95



8

Incident Energy (MeV)

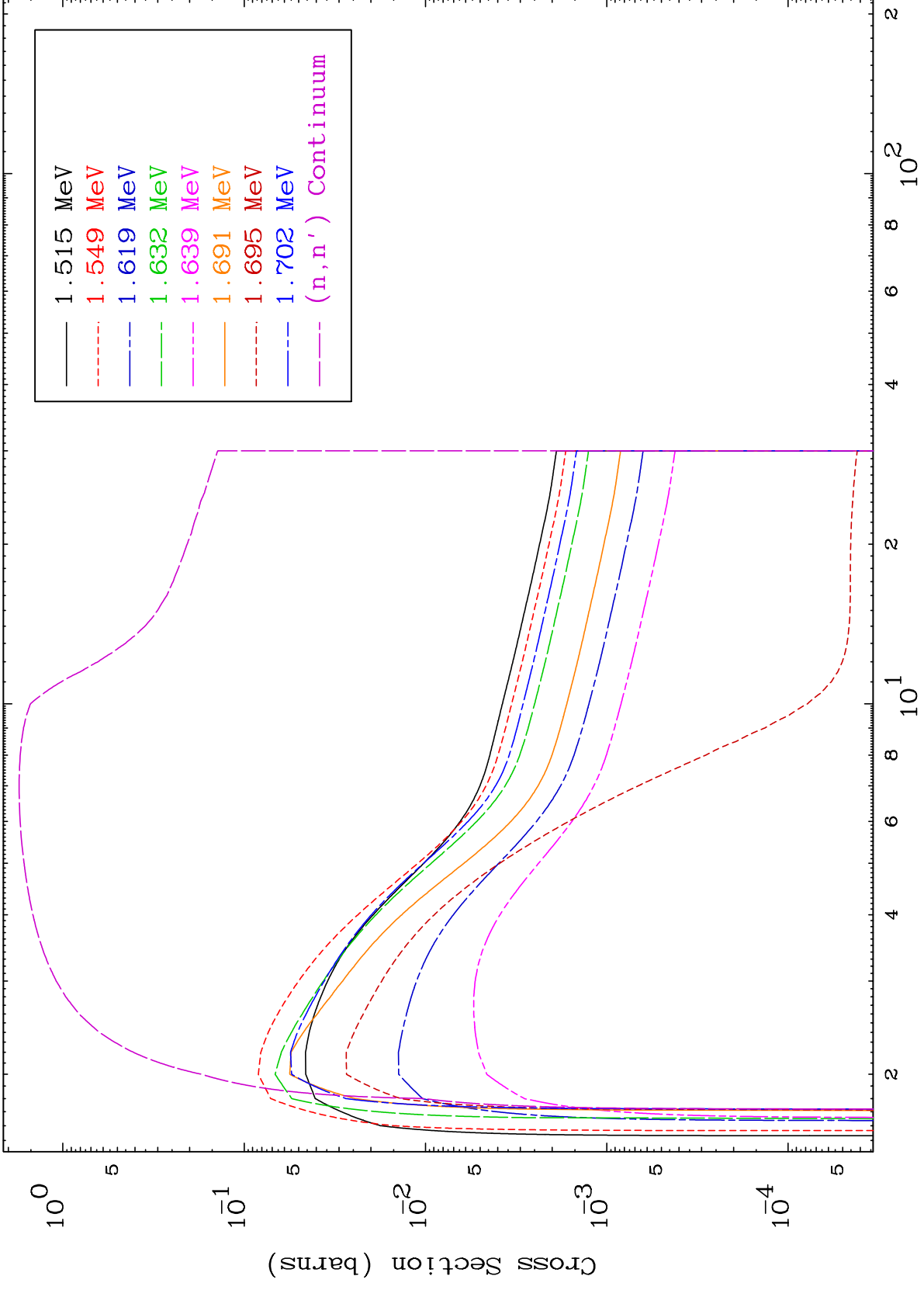
43-Tc-95

MAT 4313

(n,n') Level

43-Tc-95

293 Kelvin Cross Sections



9

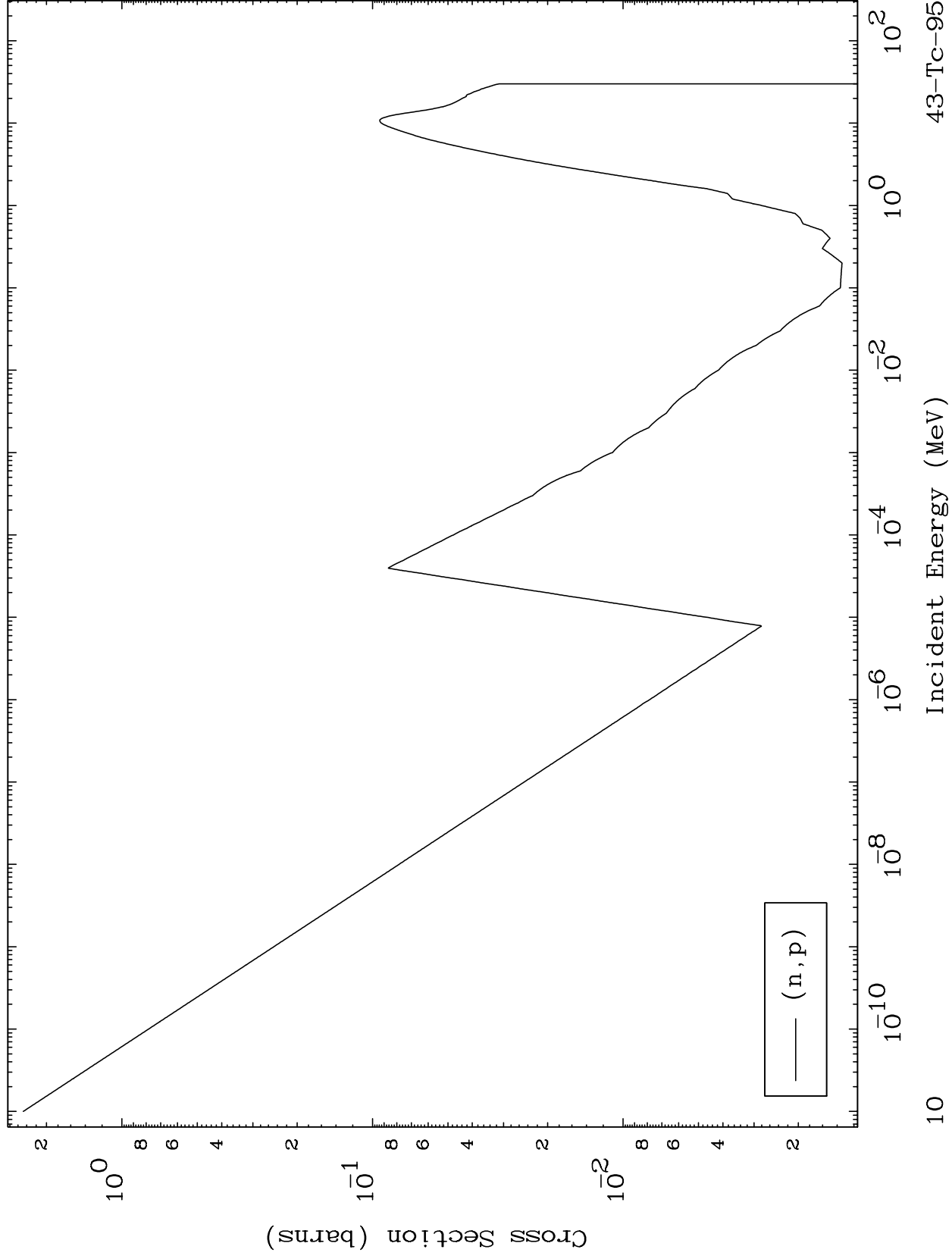
Incident Energy (MeV)

43-Tc-95

MAT 4313

(n,p) Levels
293 Kelvin Cross Sections

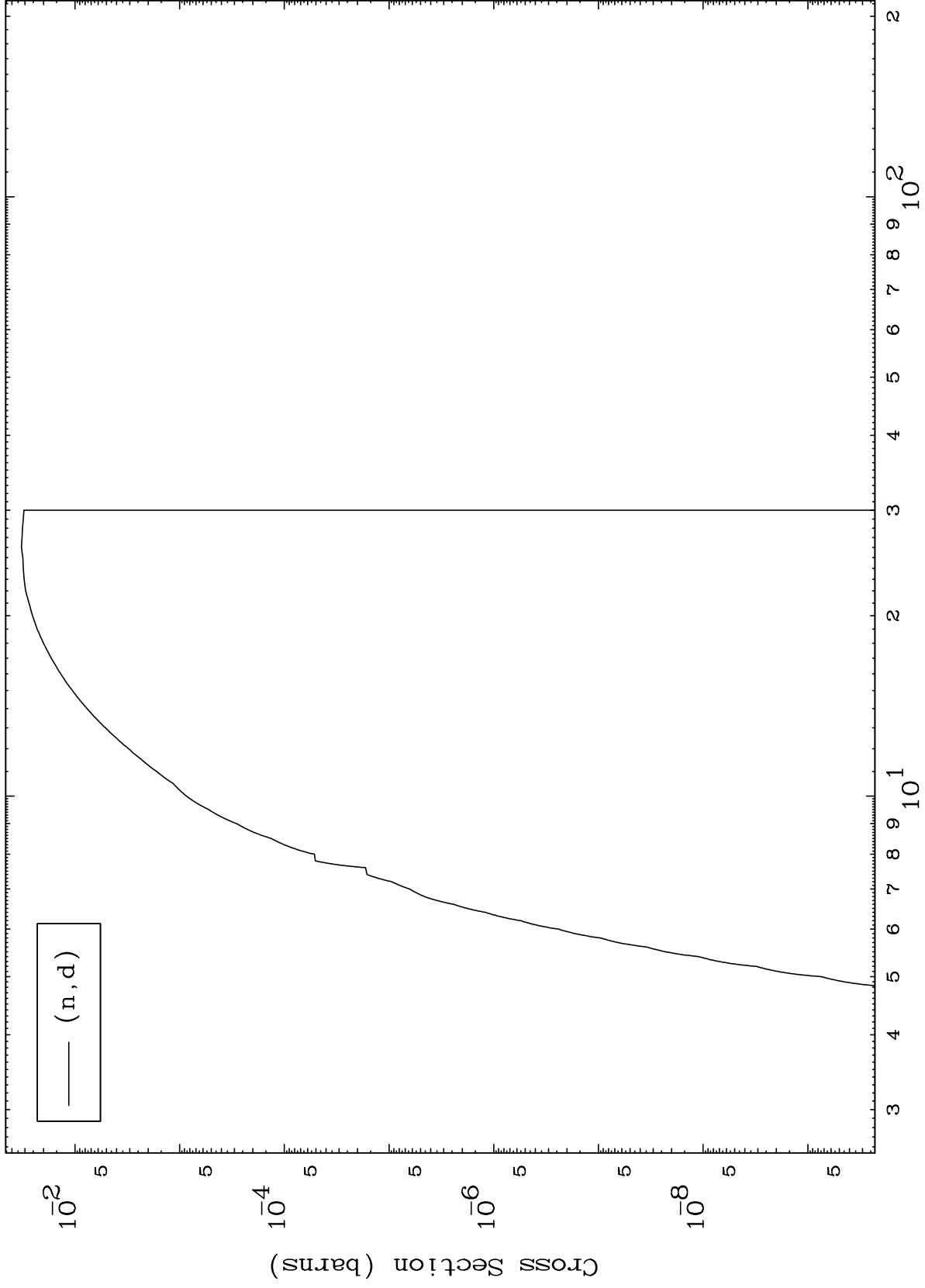
43-Tc-95



MAT 4313

(n,d) Levels
293 Kelvin Cross Sections

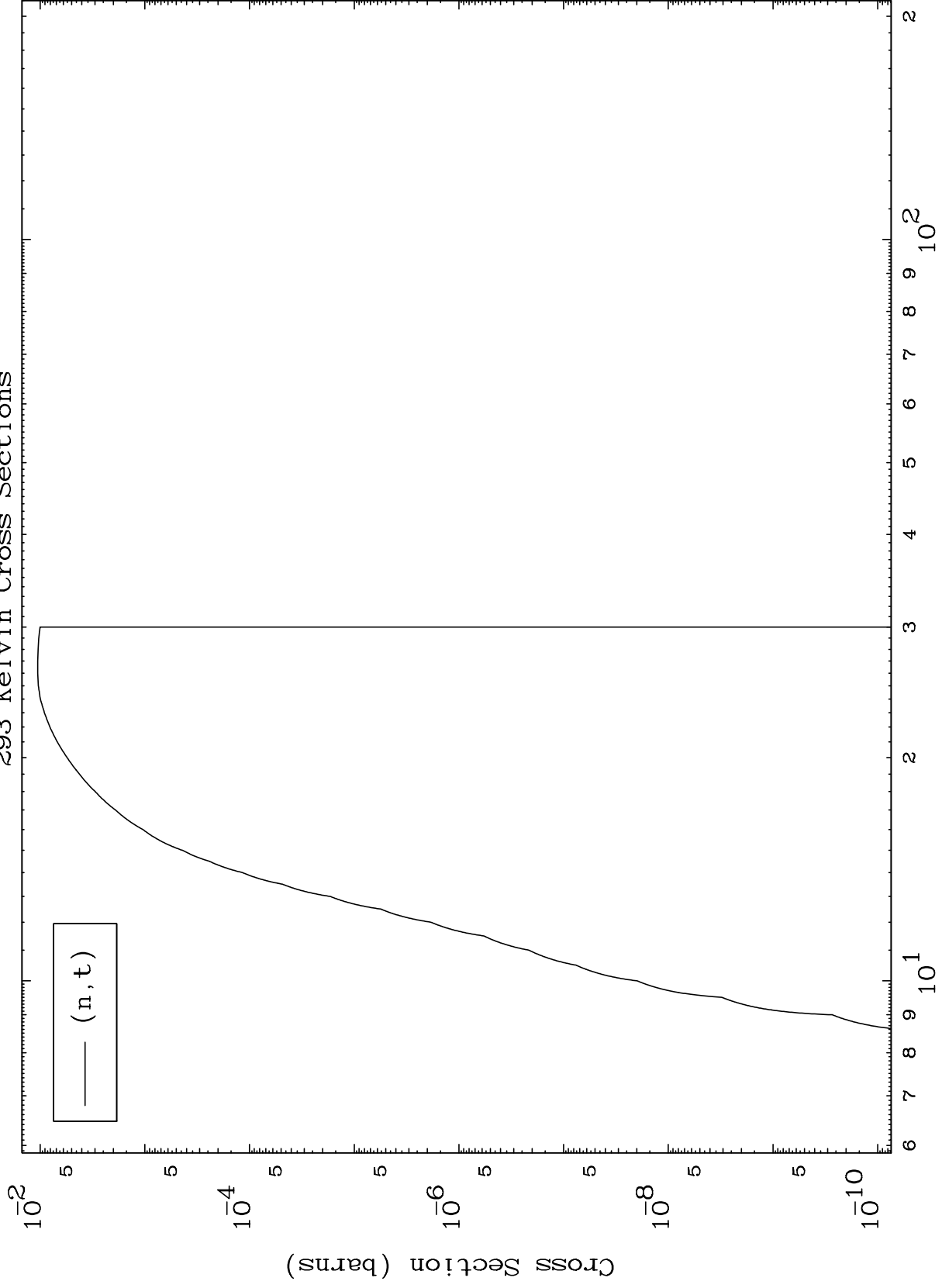
43-Tc-95



MAT 4313

(n,t) Levels
293 Kelvin Cross Sections

43-Tc-95



12

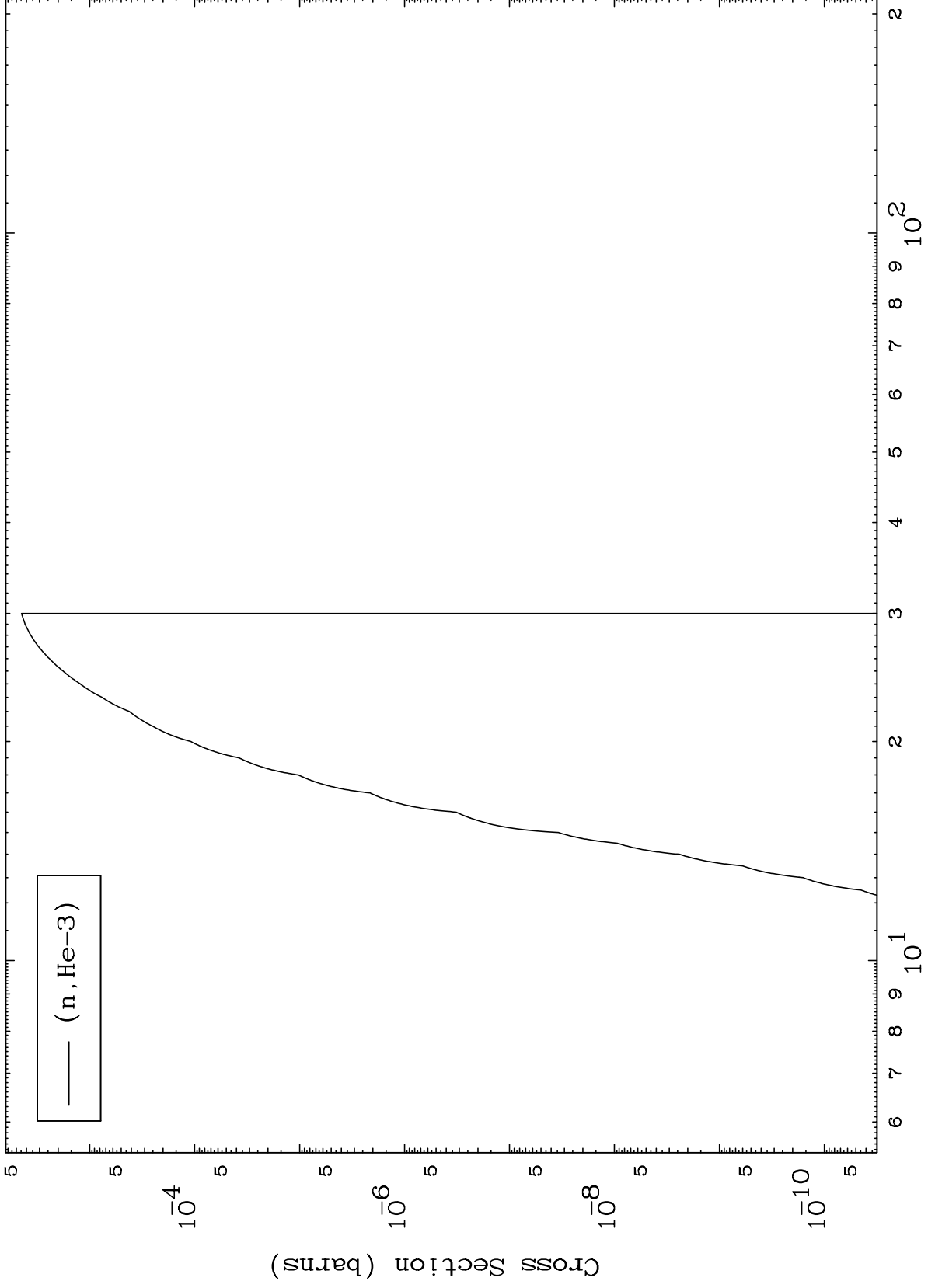
Incident Energy (MeV)

43-Tc-95

MAT 4313

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-95



13

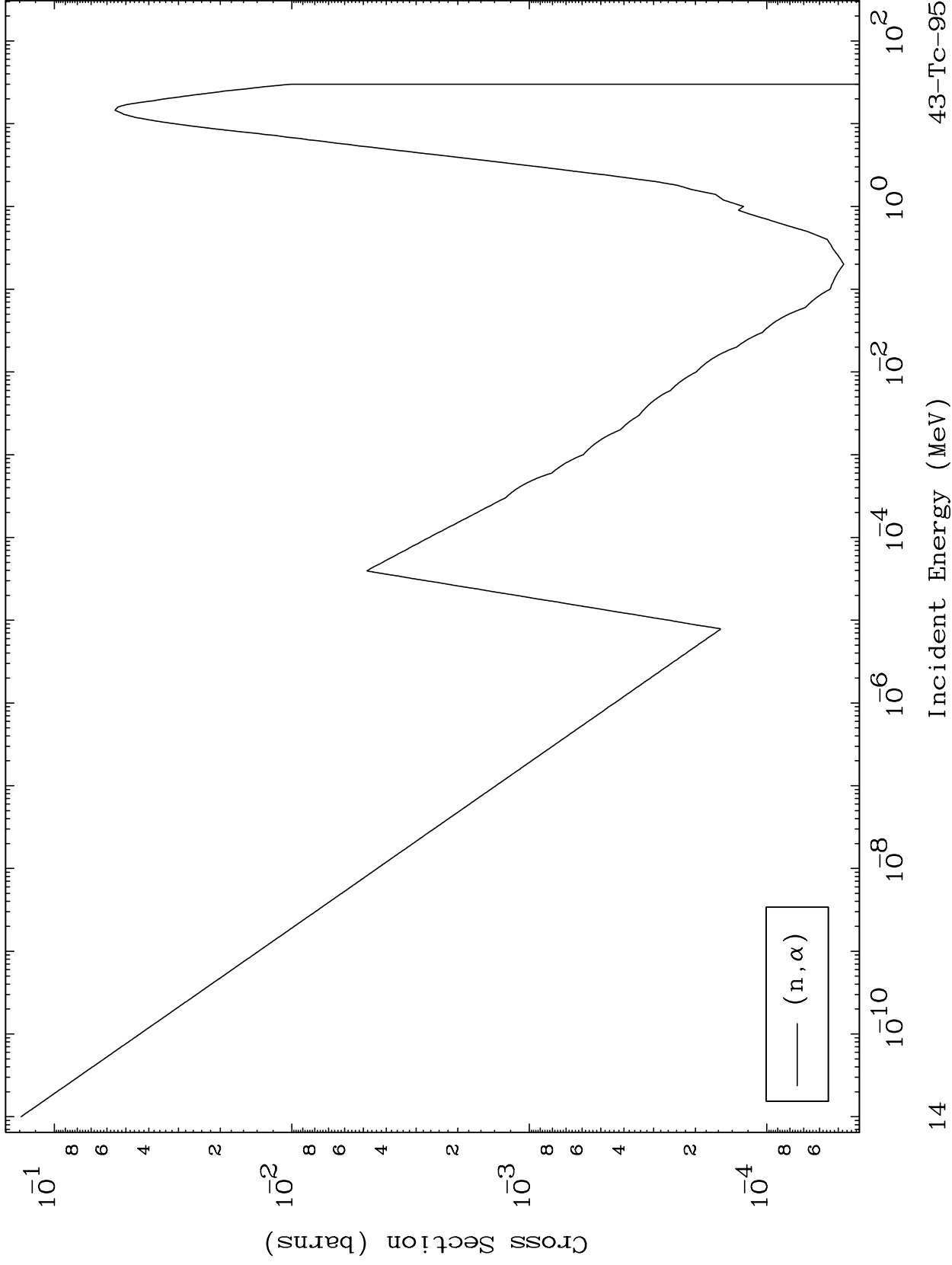
Incident Energy (MeV)

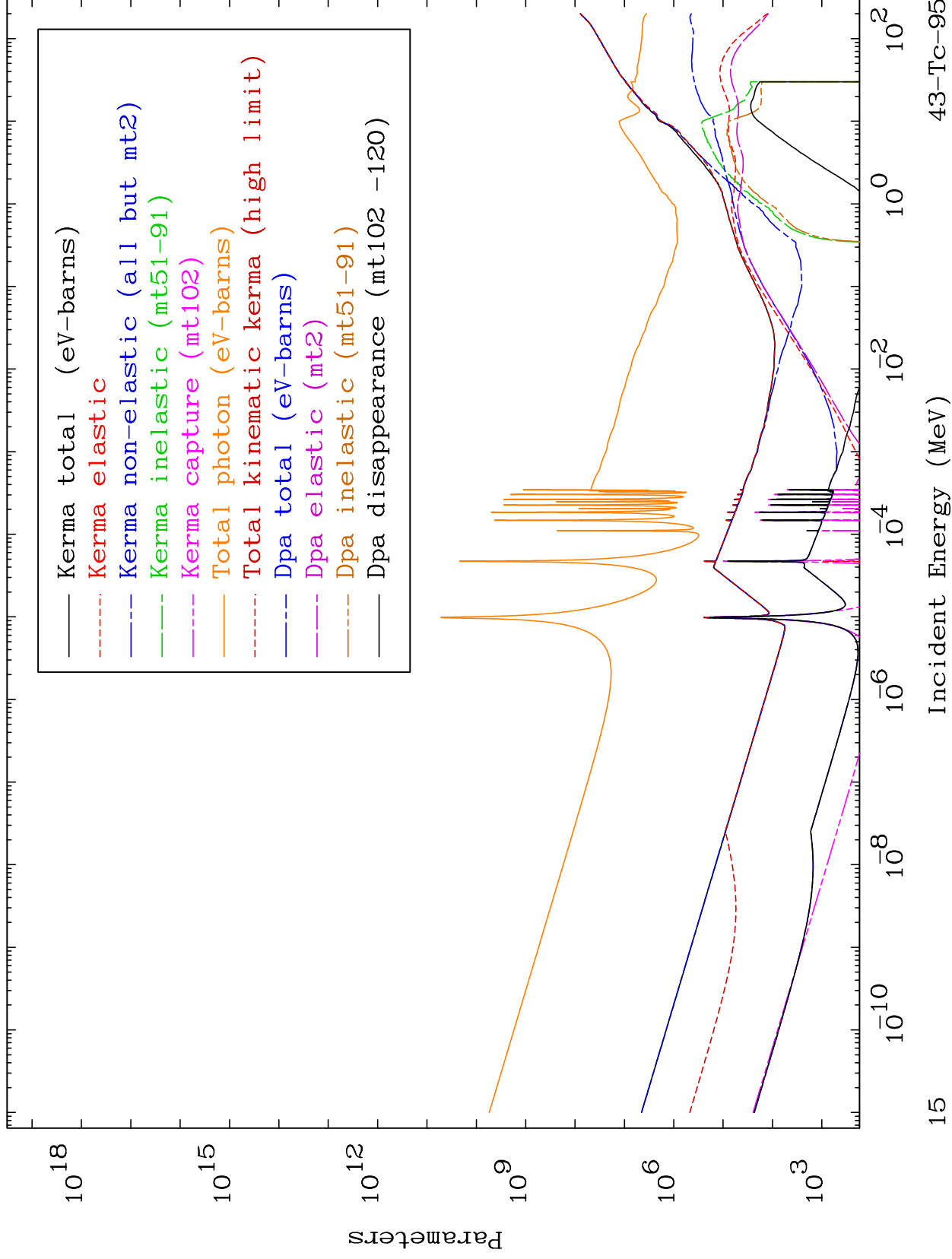
43-Tc-95

MAT 4313

(n,α) Levels
293 Kelvin Cross Sections

43-Tc-95

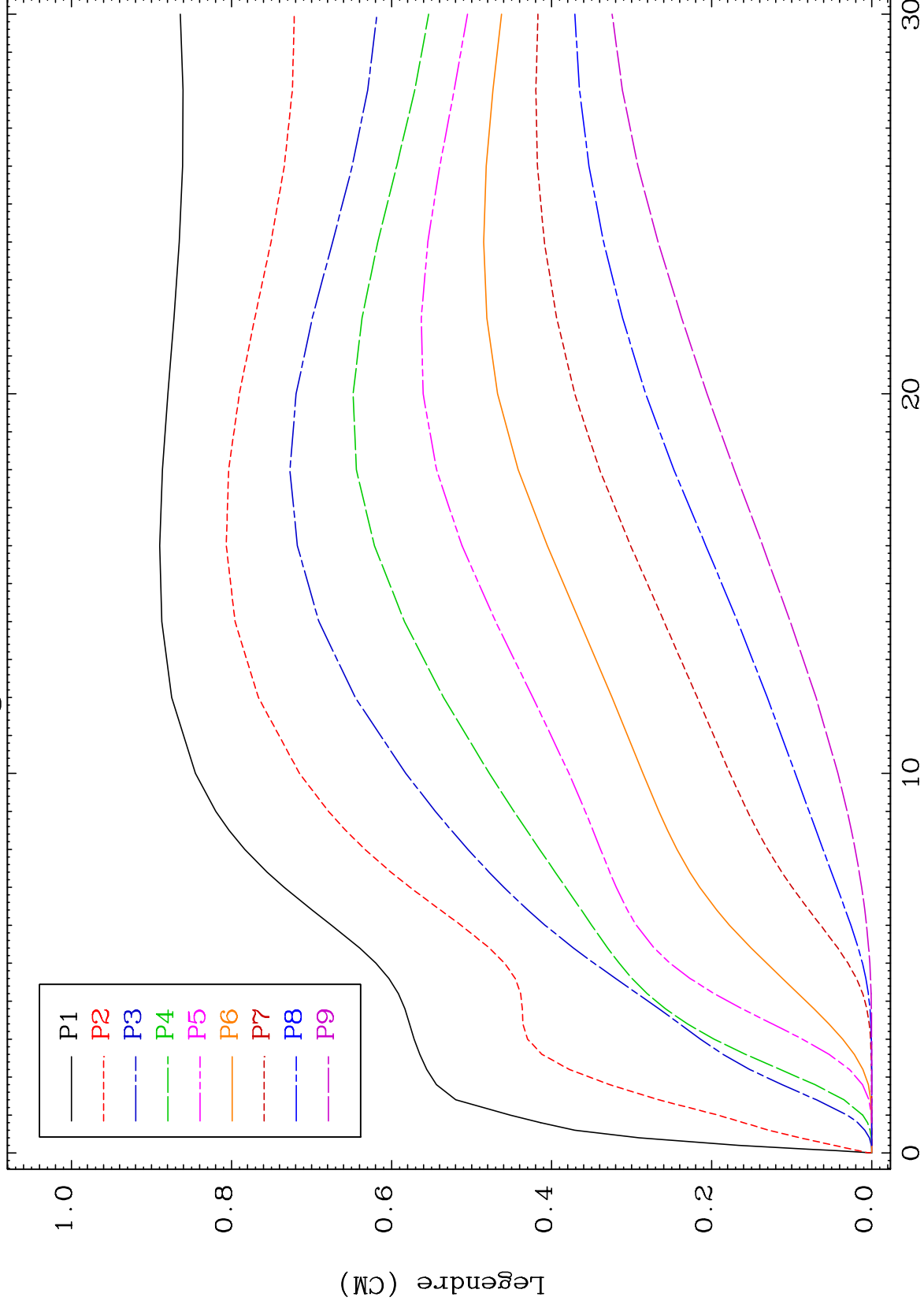




MAT 4313

Elastic Legendre Coefficients

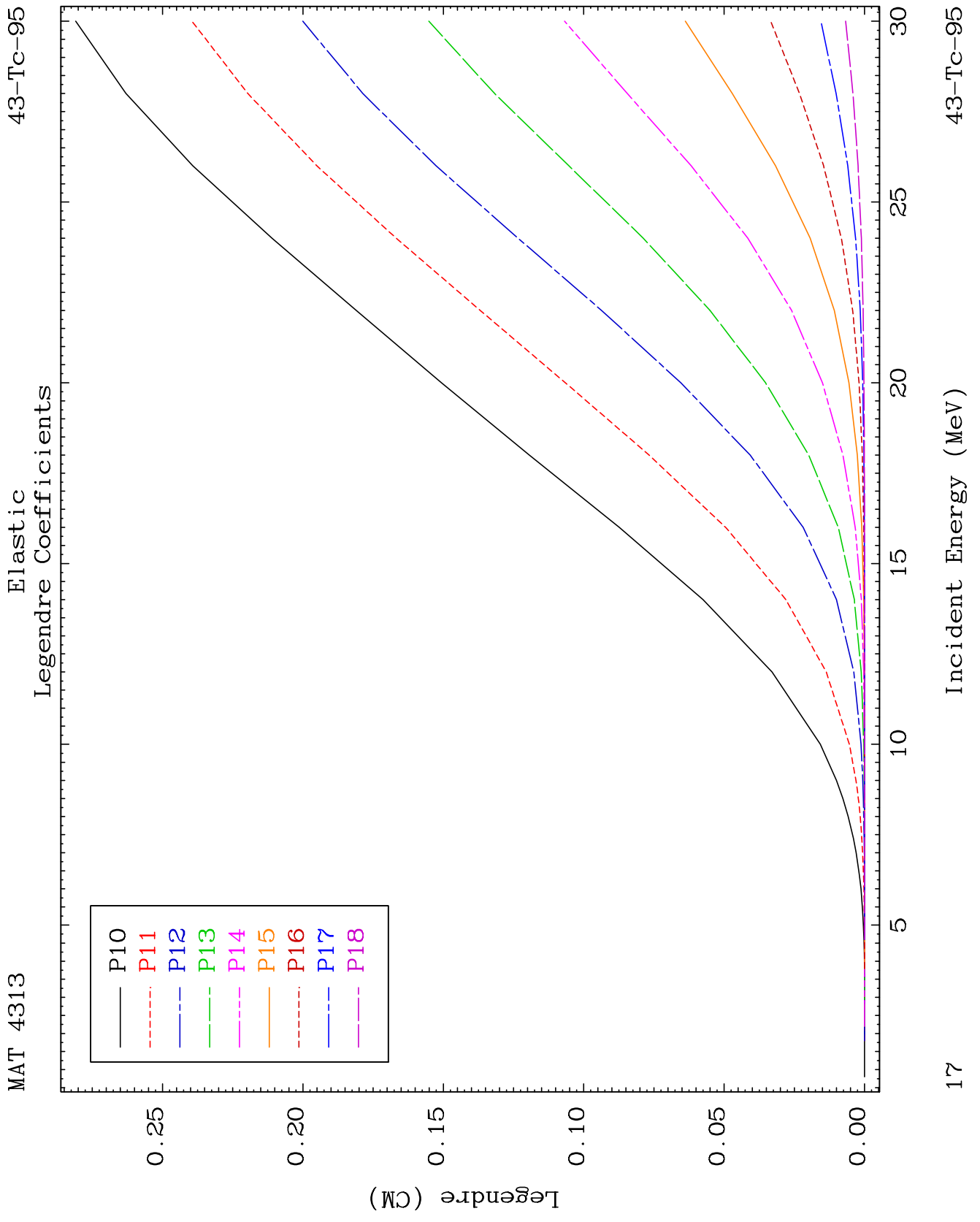
43-Tc-95



16

Incident Energy (MeV)

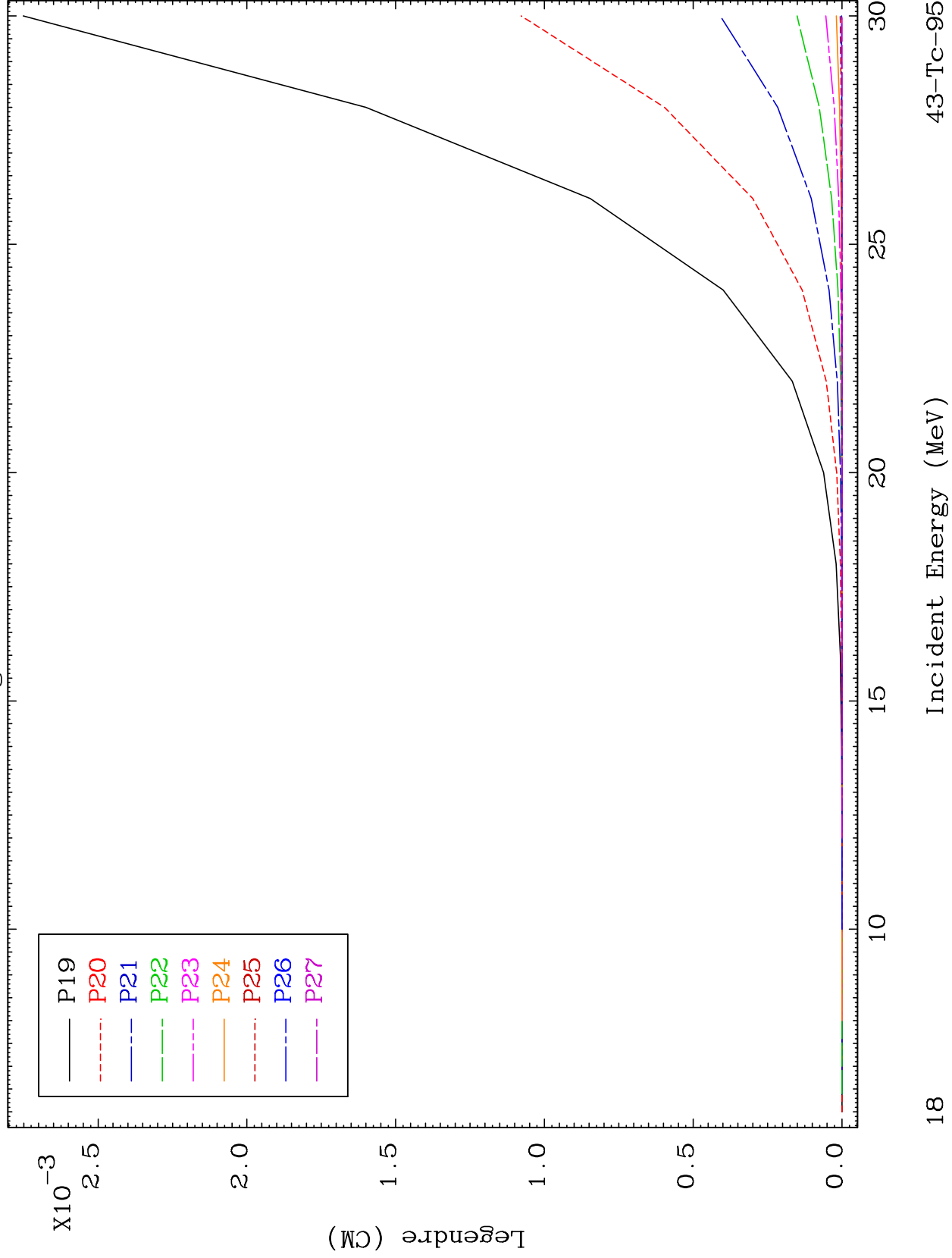
43-Tc-95



MAT 4313

Elastic Legendre Coefficients

43-Tc-95



18

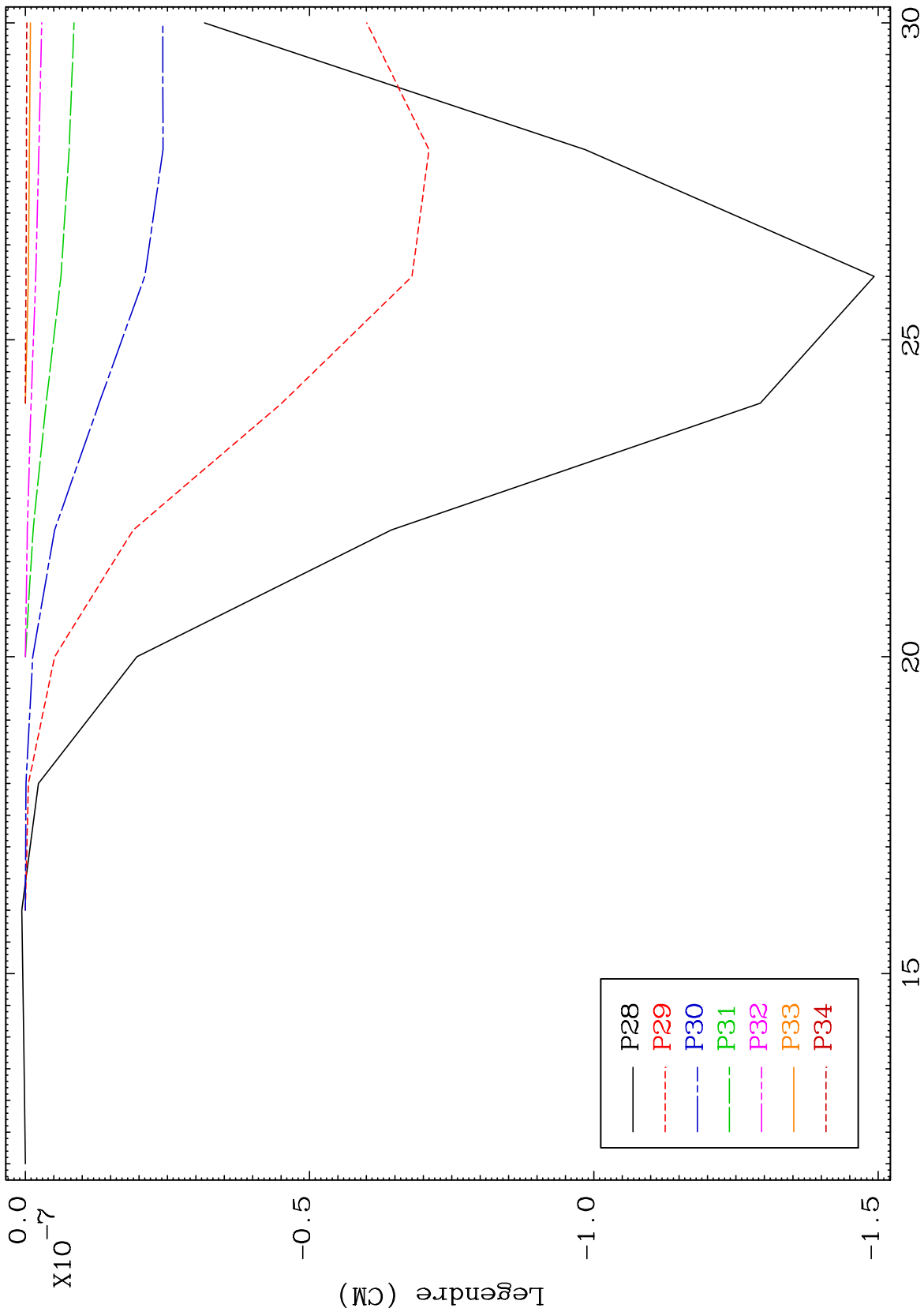
Incident Energy (MeV)

43-Tc-95

MAT 4313

43-Tc-95

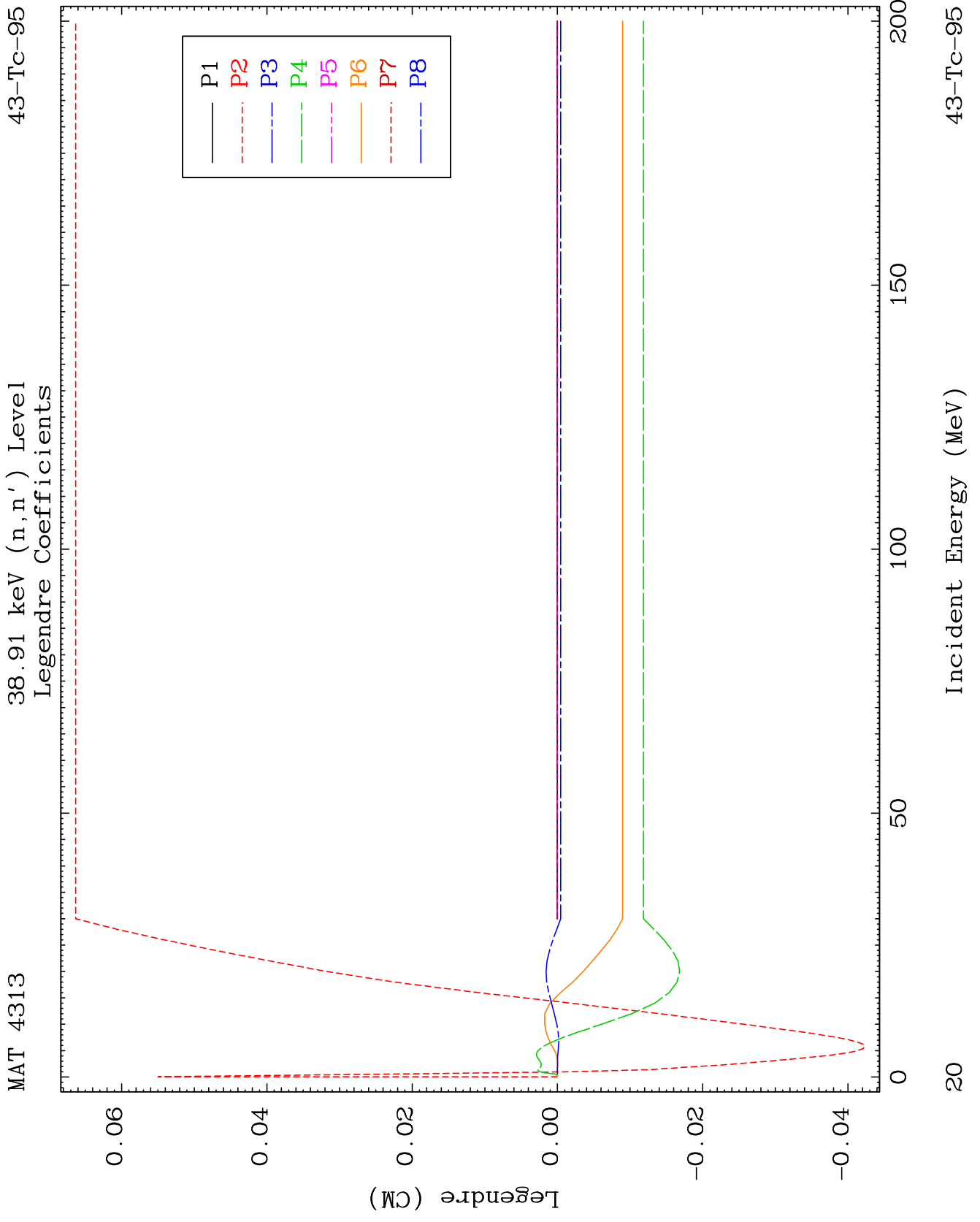
Elastic Legendre Coefficients

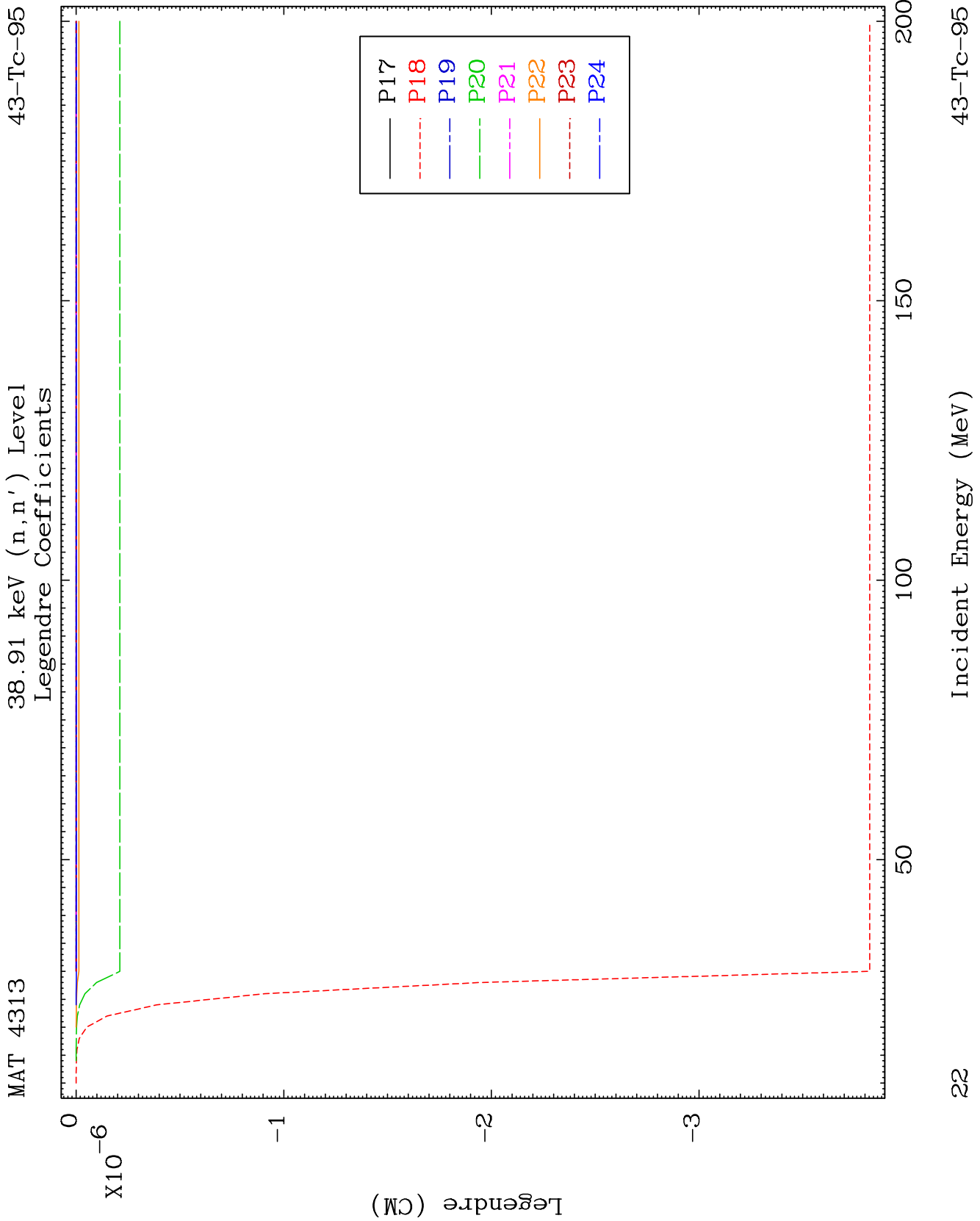


19

Incident Energy (MeV)

43-Tc-95

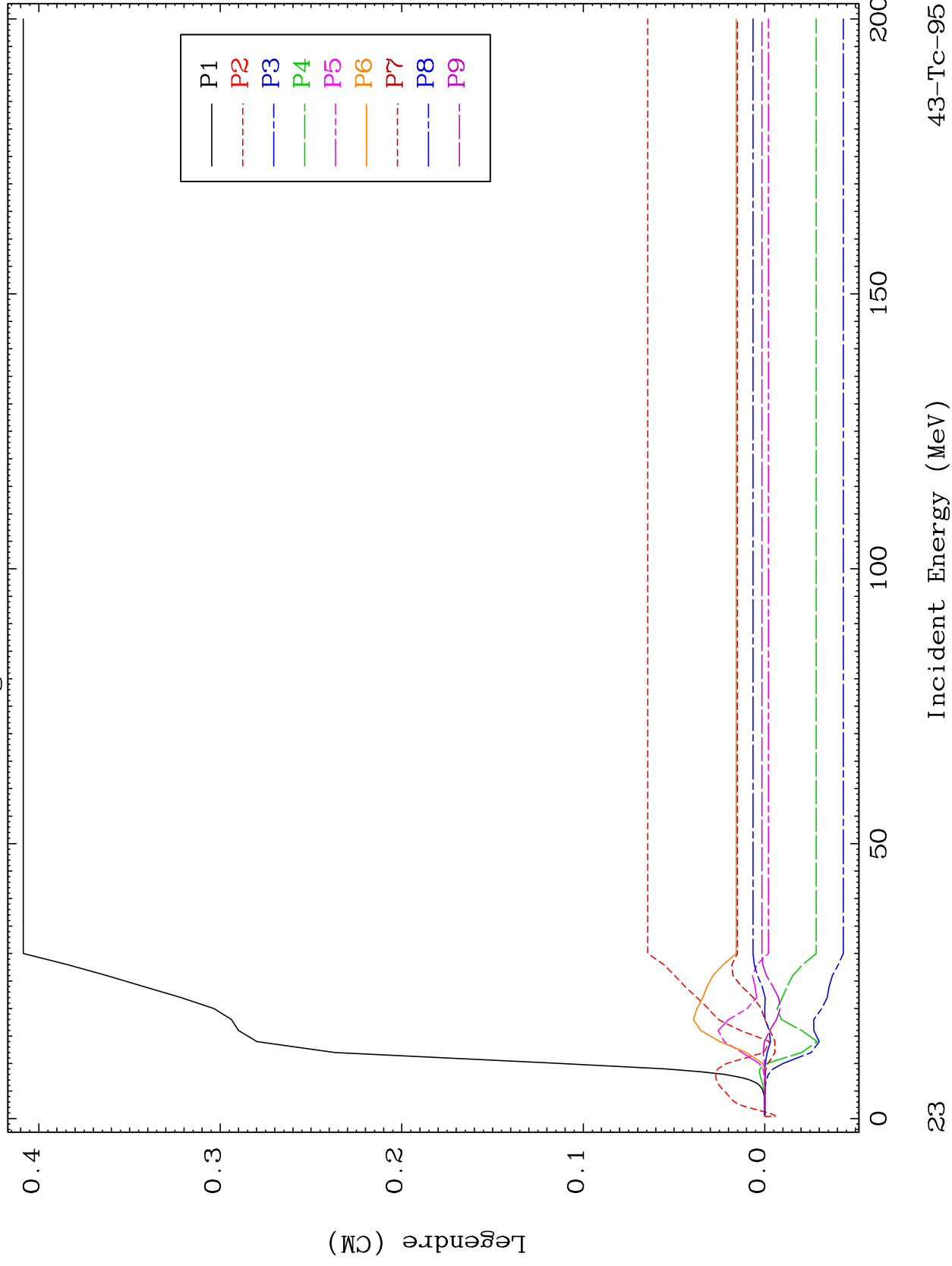




MAT 4313

336.4 keV (n,n') Level
Legendre Coefficients

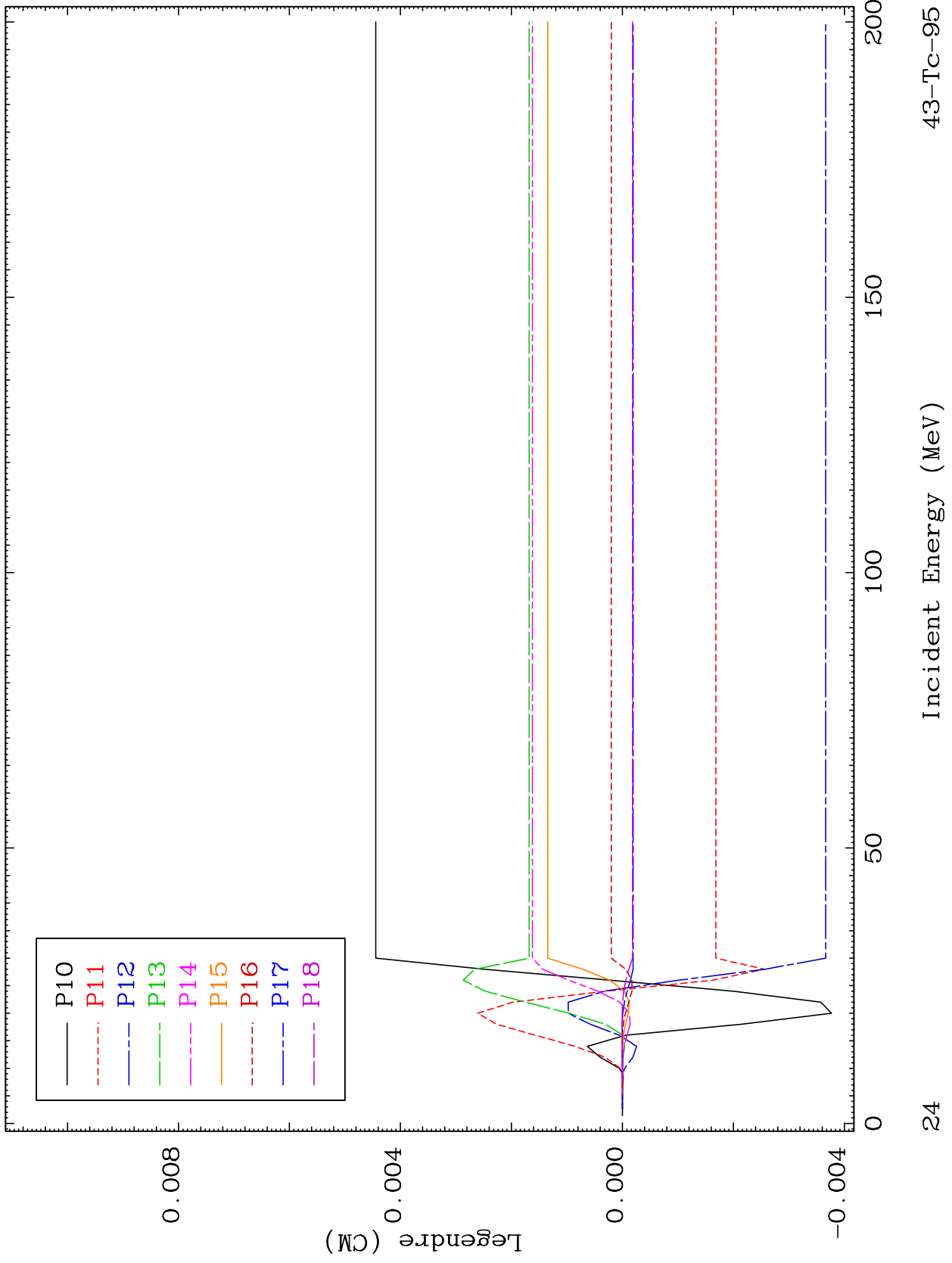
43-Tc-95



MAT 4313

336.4 keV (n,n') Level
Legendre Coefficients

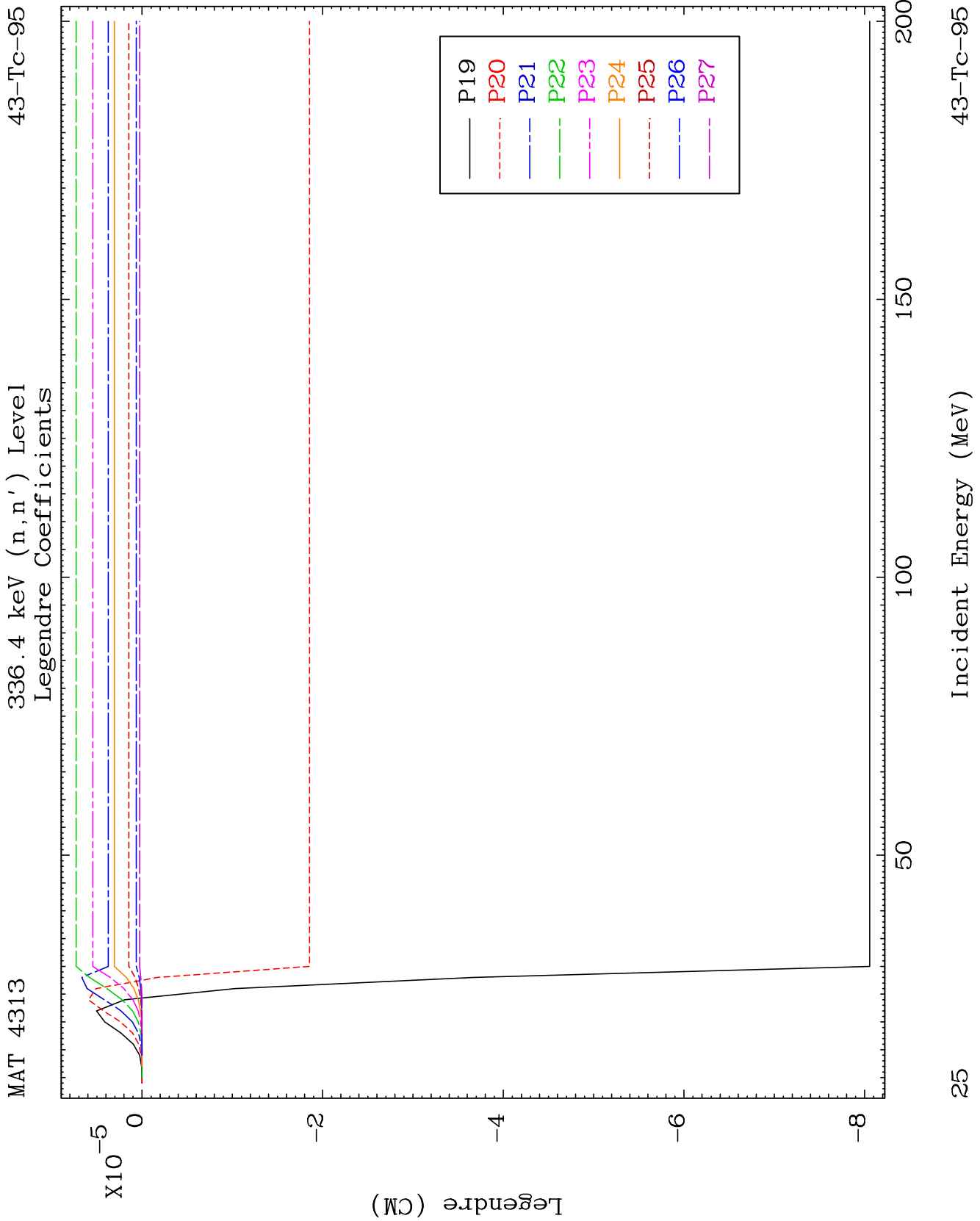
43-Tc-95

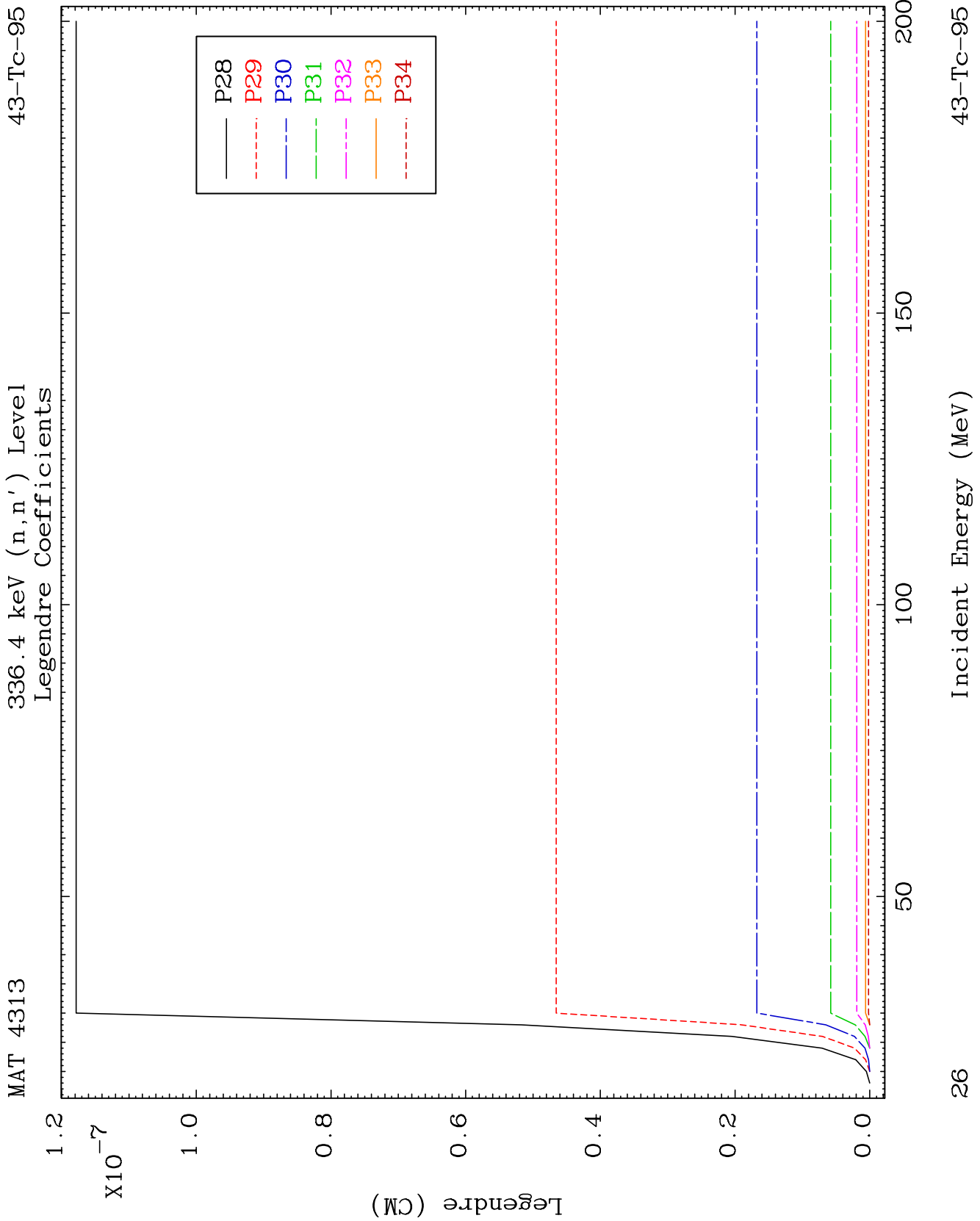


24

Incident Energy (MeV)

43-Tc-95

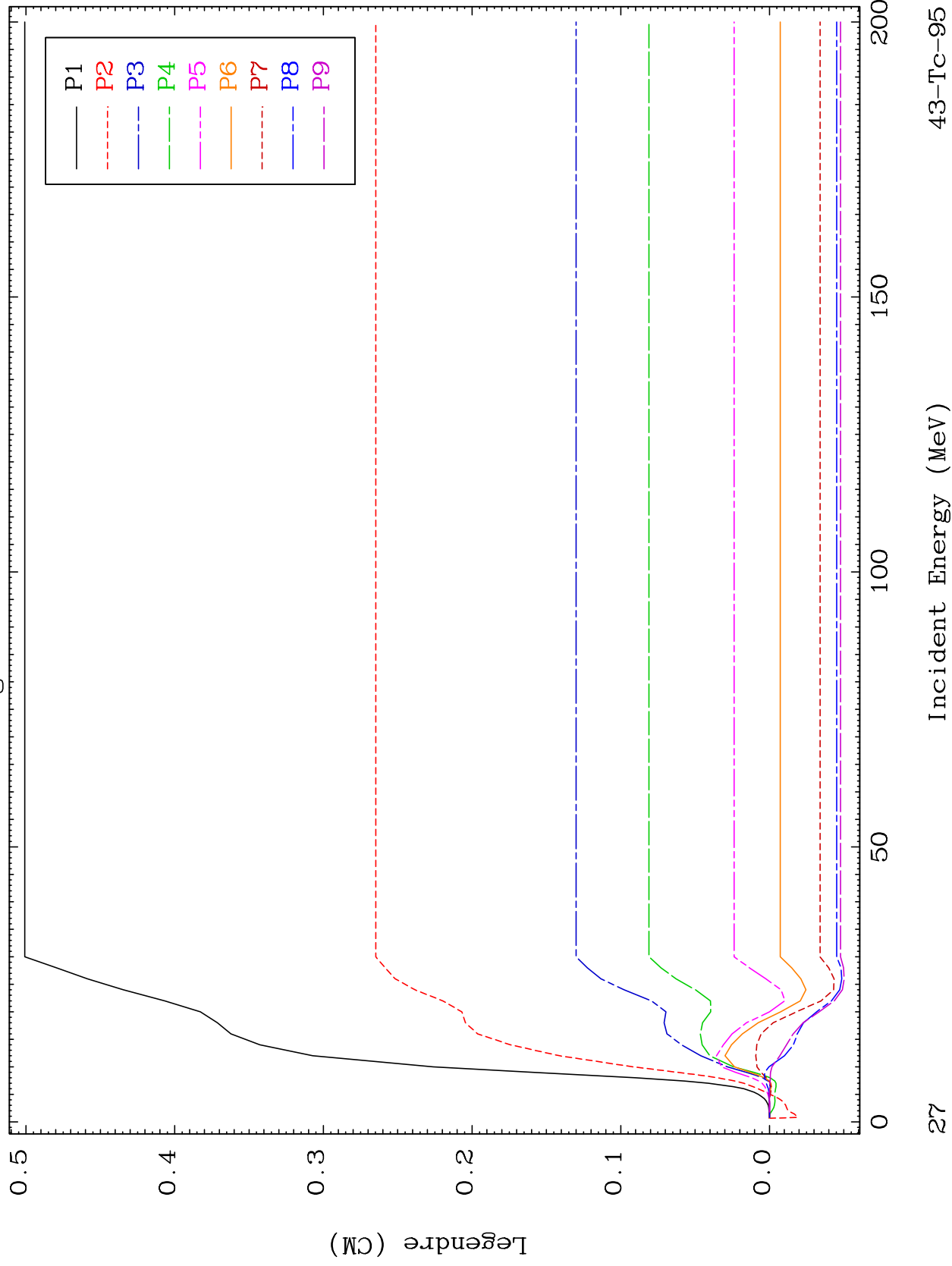




MAT 4313

626.9 keV (n,n') Level
Legendre Coefficients

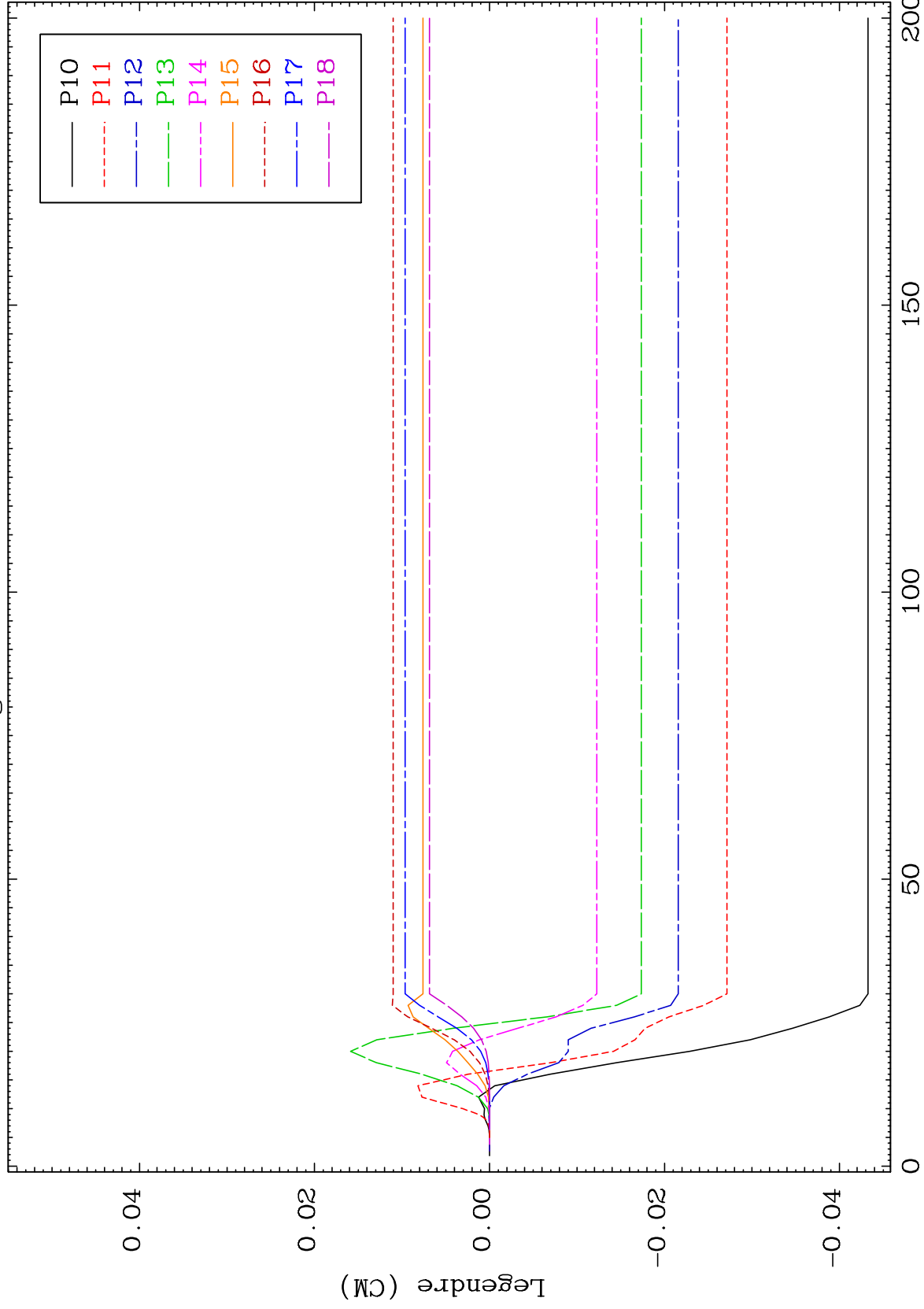
43-Tc-95



MAT 4313

626.9 keV (n,n') Level
Legendre Coefficients

43-Tc-95



28

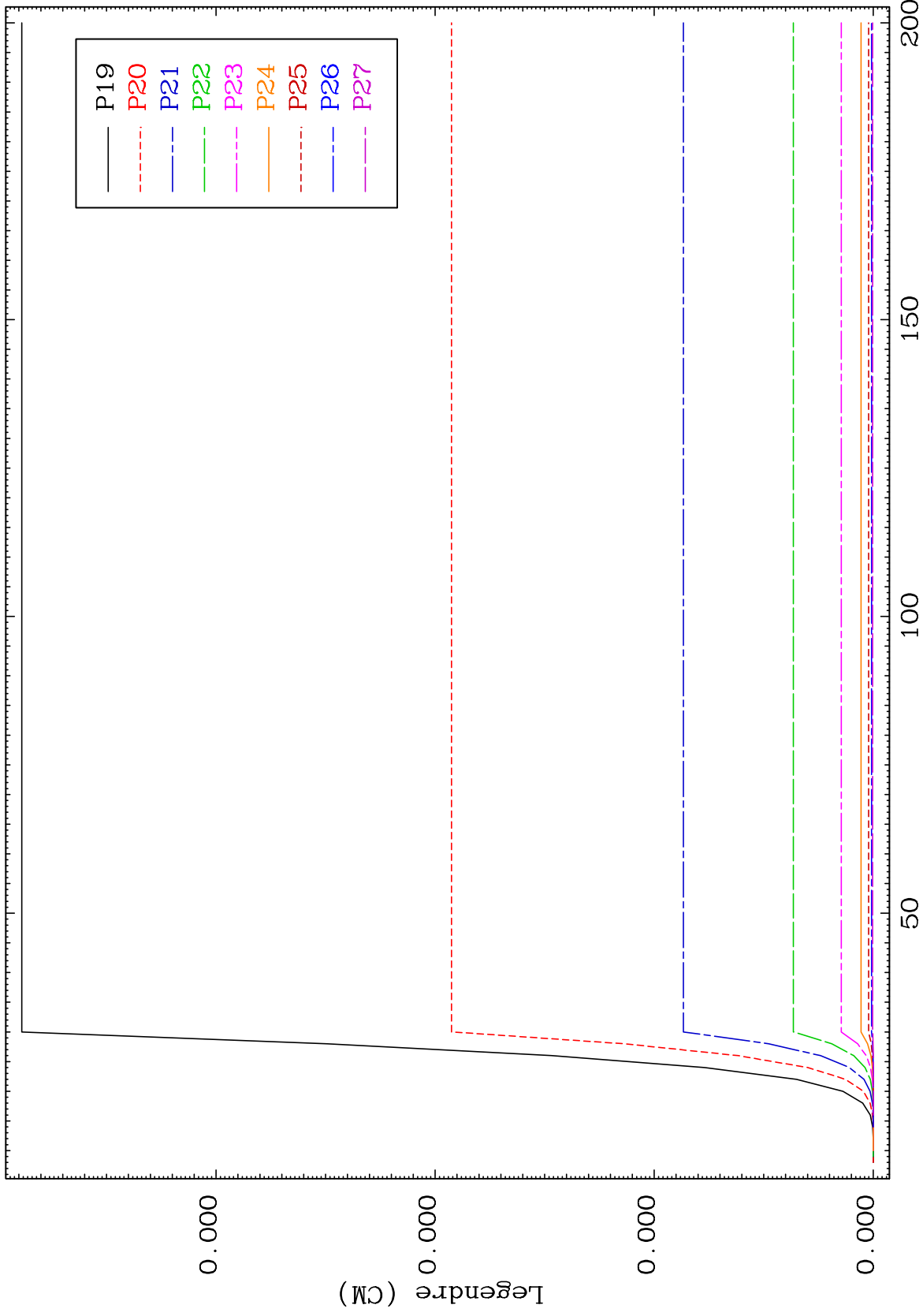
Incident Energy (MeV)

43-Tc-95

MAT 4313

626.9 keV (n,n') Level
Legendre Coefficients

43-Tc-95



29

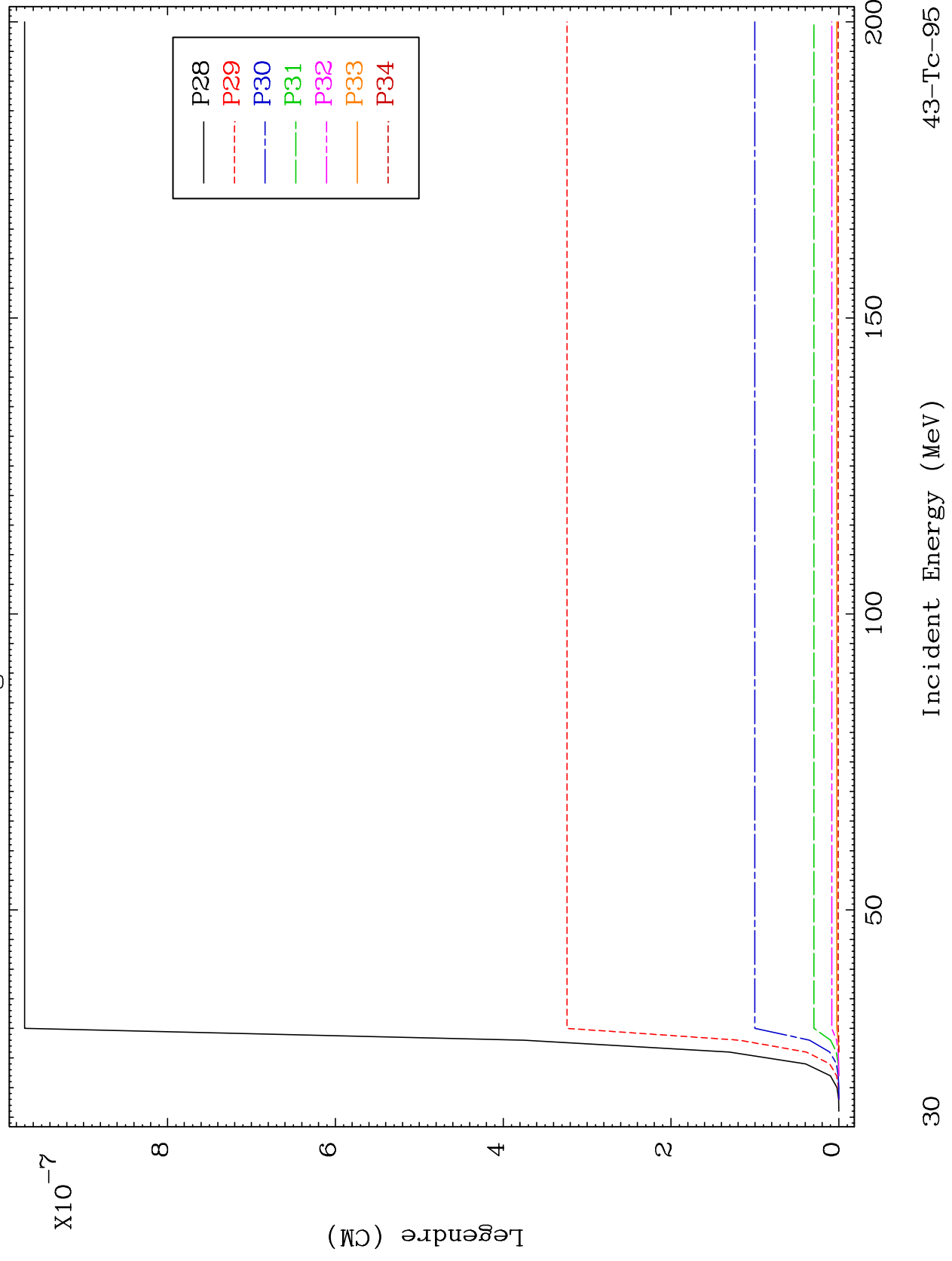
Incident Energy (MeV)

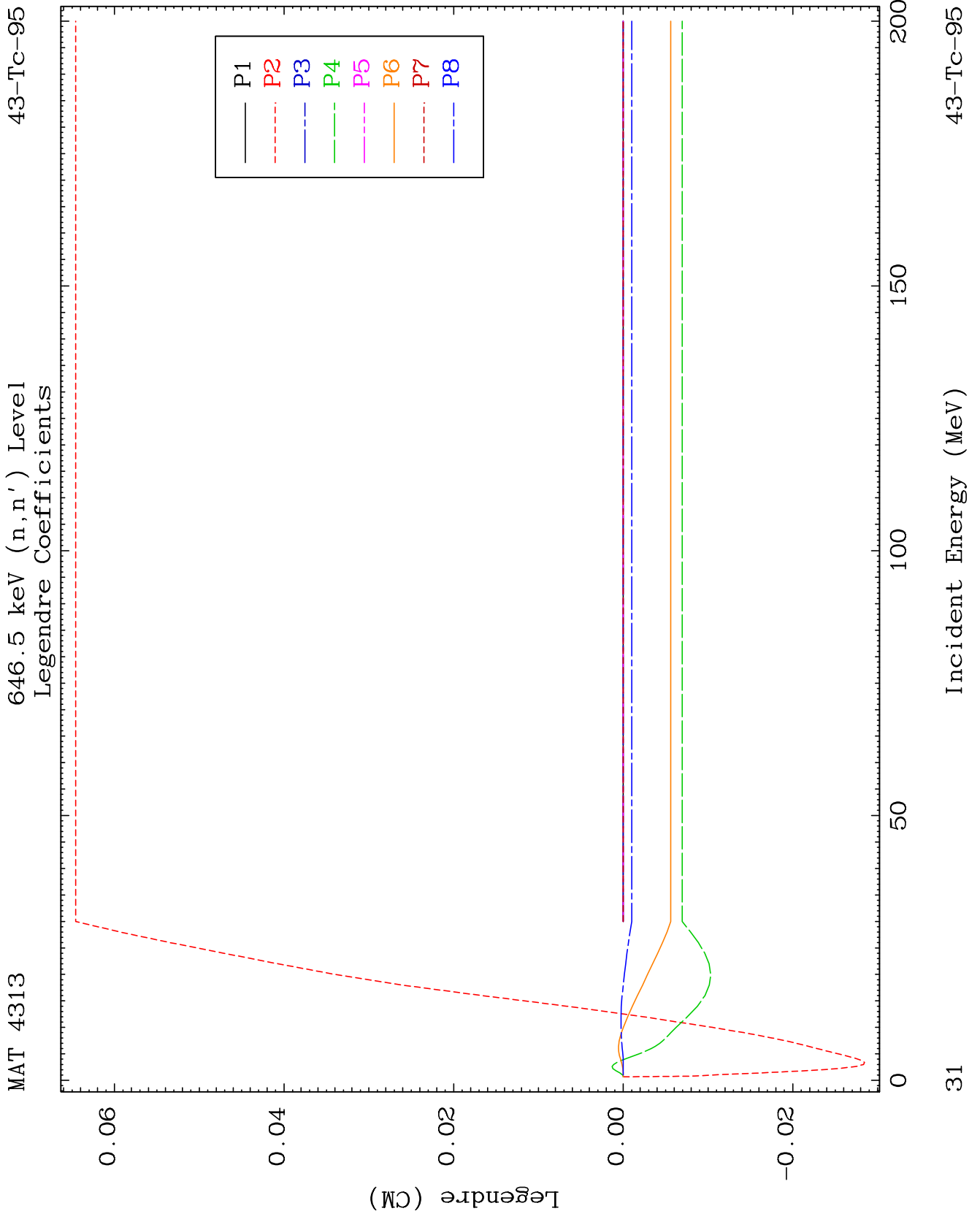
43-Tc-95

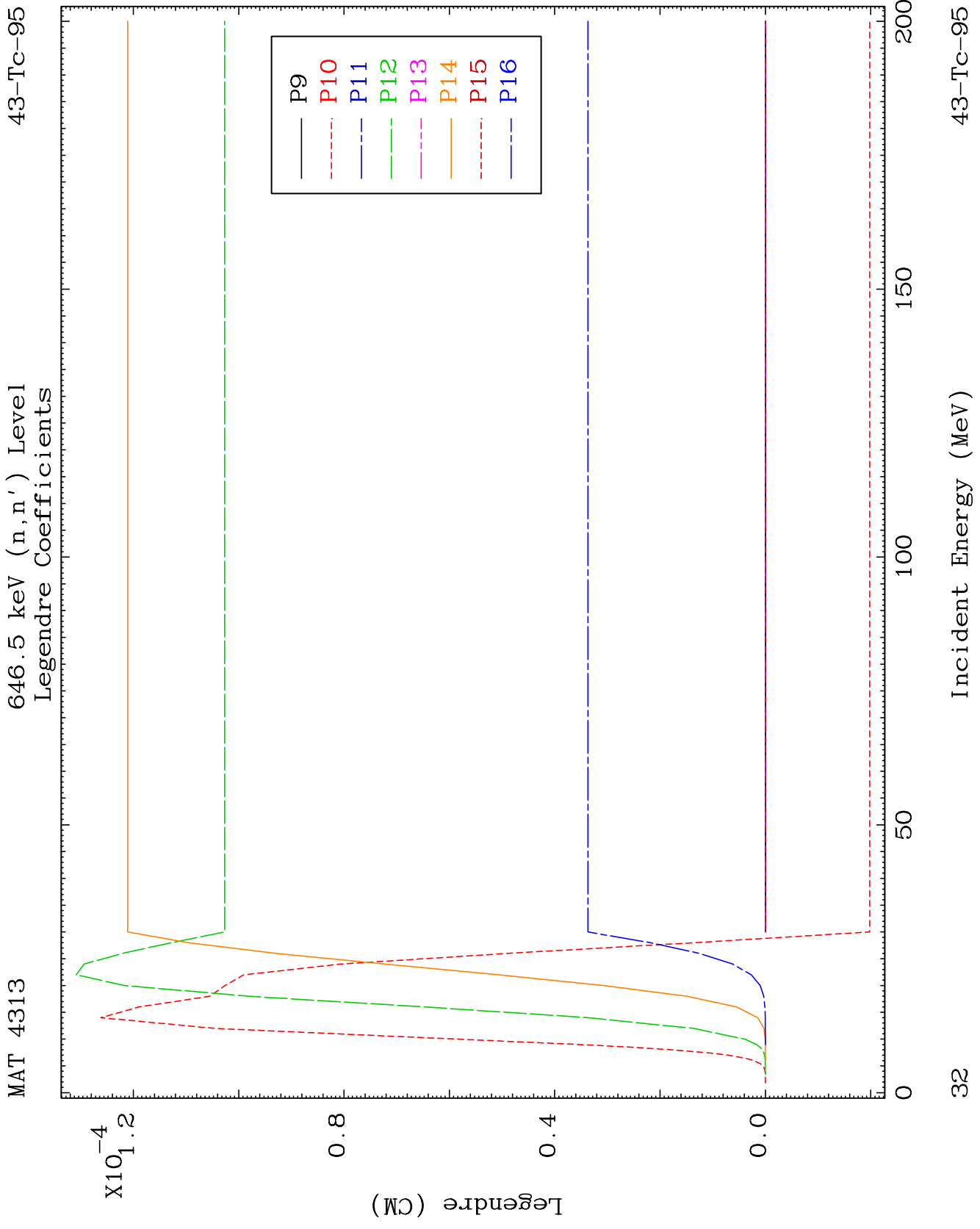
MAT 4313

626.9 keV (n,n') Level
Legendre Coefficients

43-Tc-95



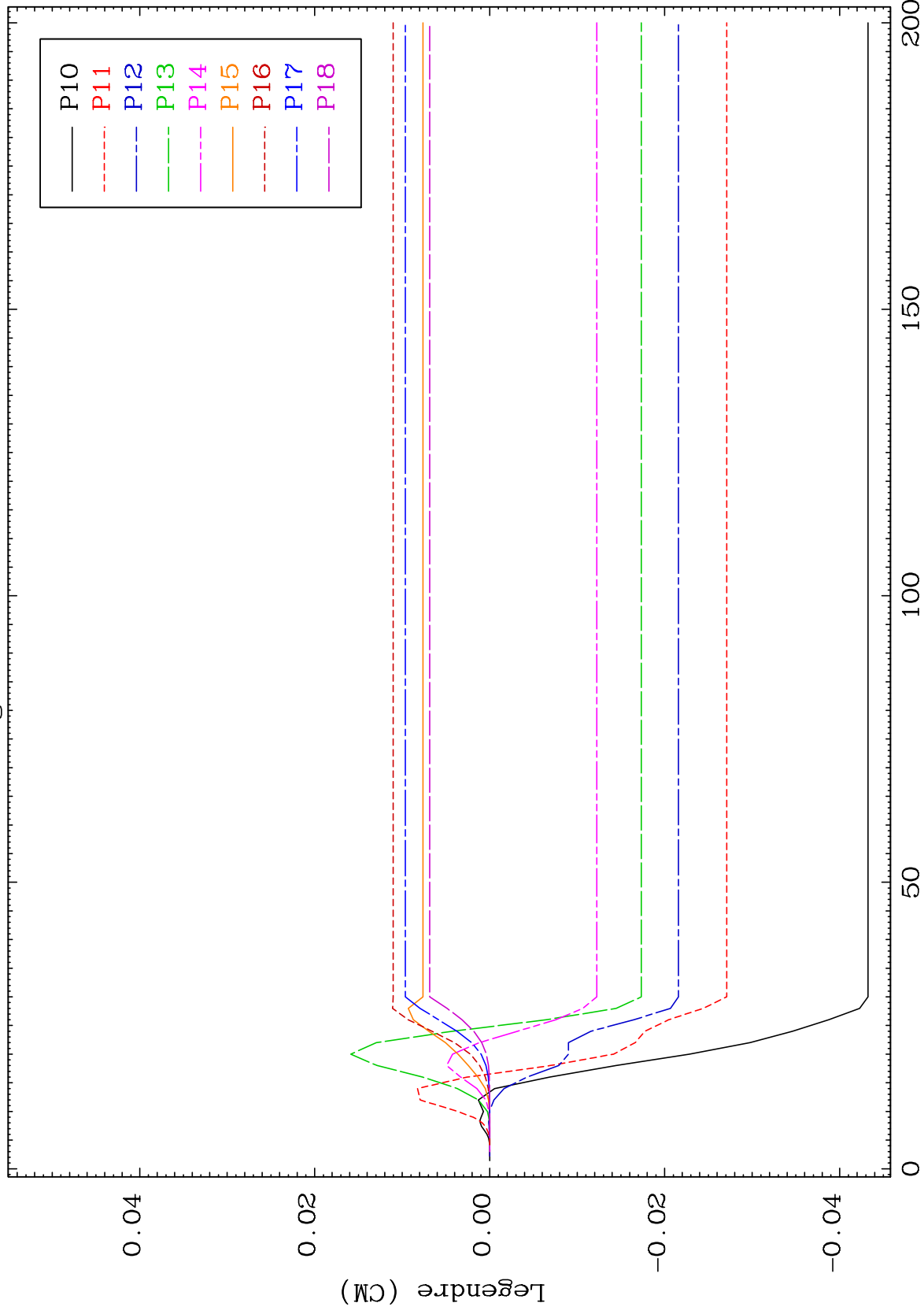




MAT 4313

667.8 keV (n,n') Level
Legendre Coefficients

43-Tc-95



35

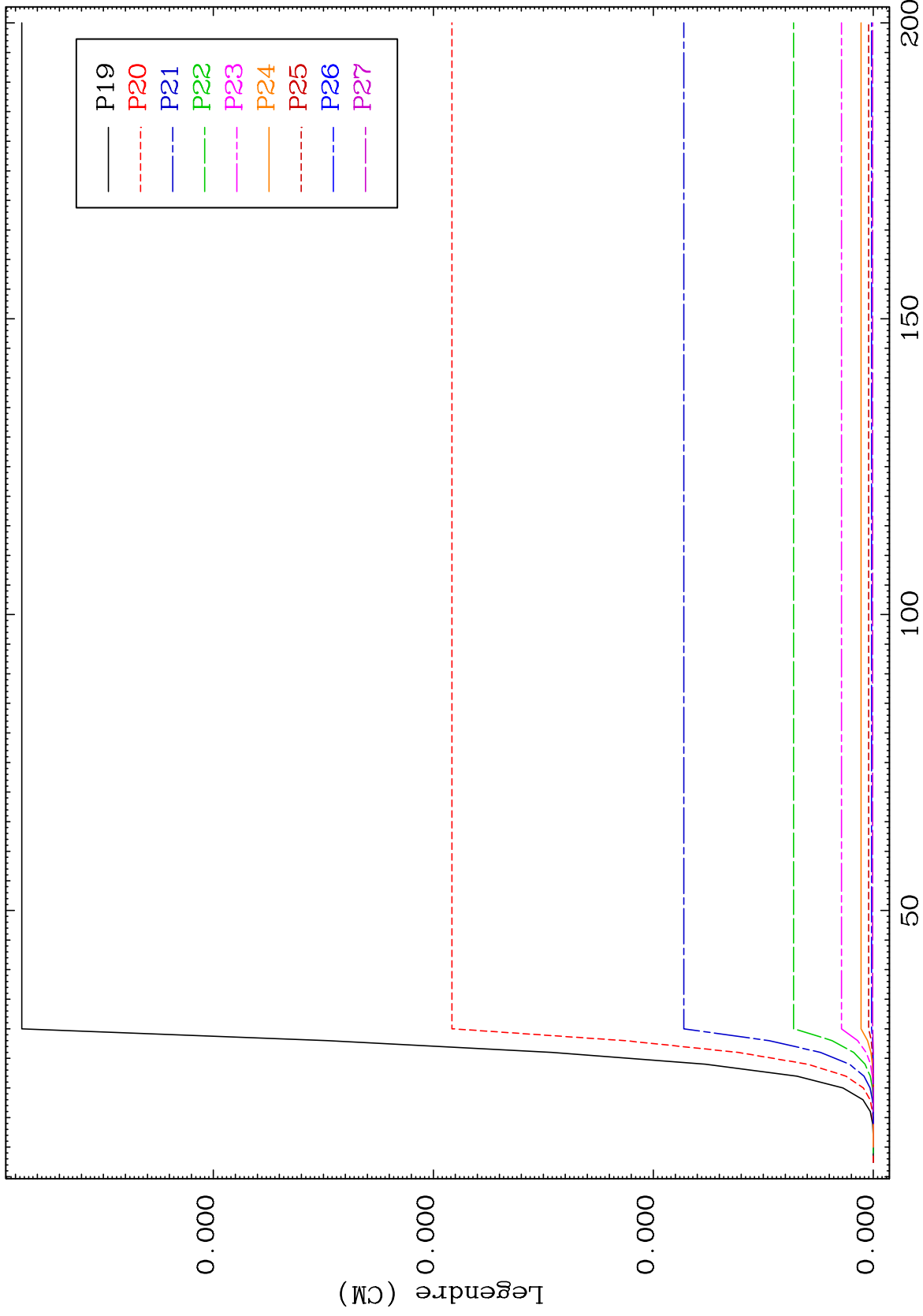
Incident Energy (MeV)

43-Tc-95

MAT 4313

667.8 keV (n,n') Level
Legendre Coefficients

43-Tc-95



36

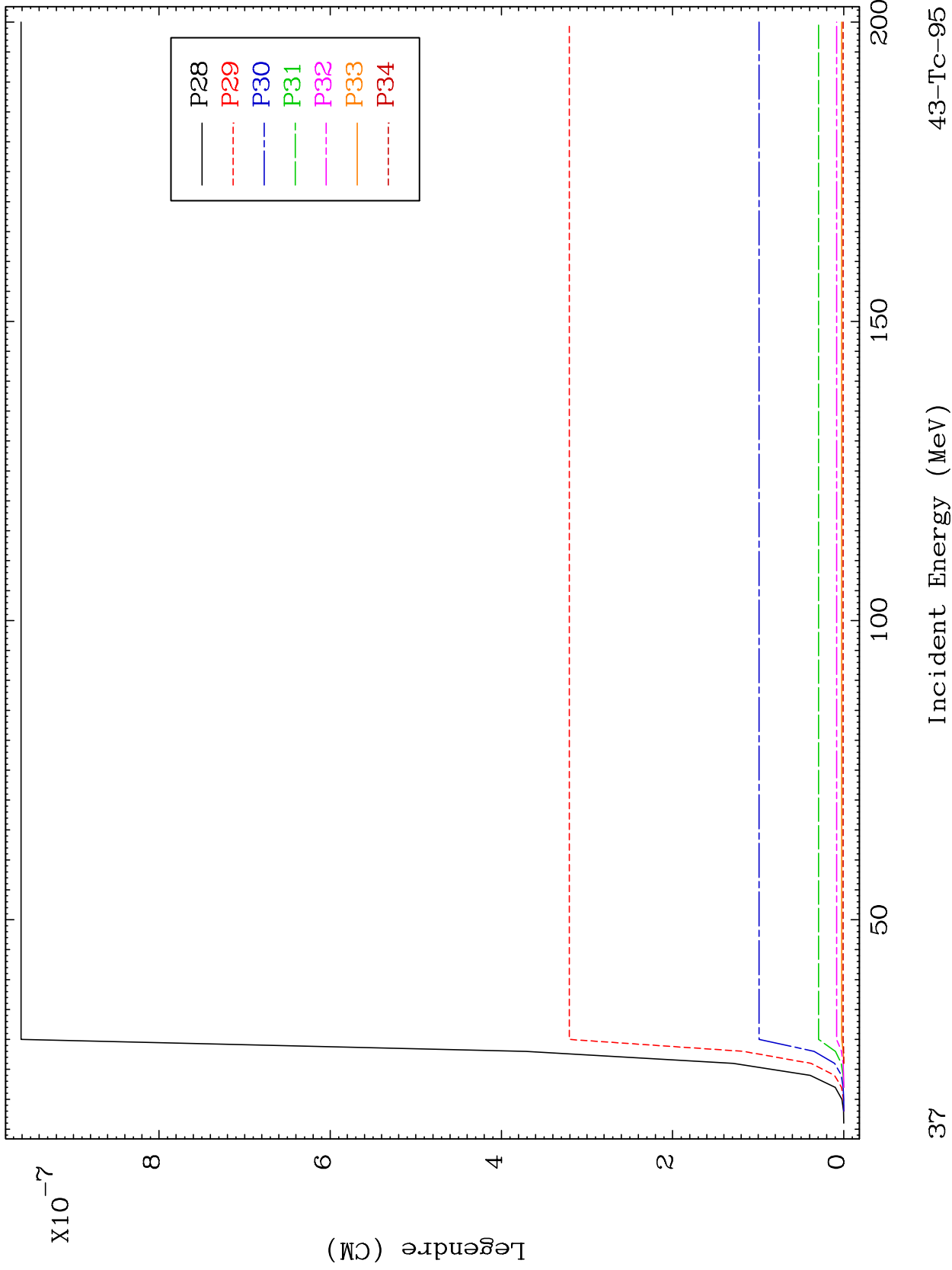
Incident Energy (MeV)

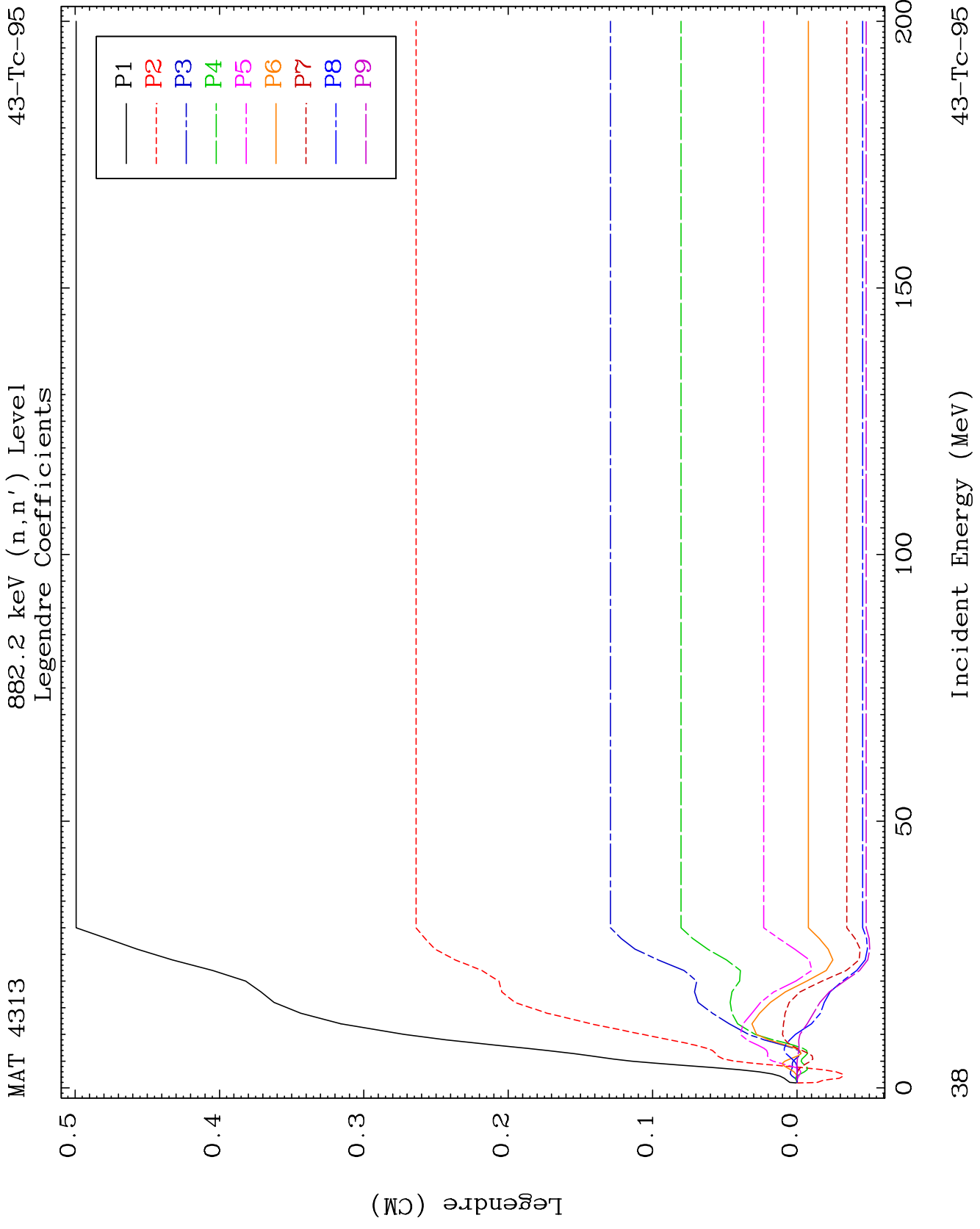
43-Tc-95

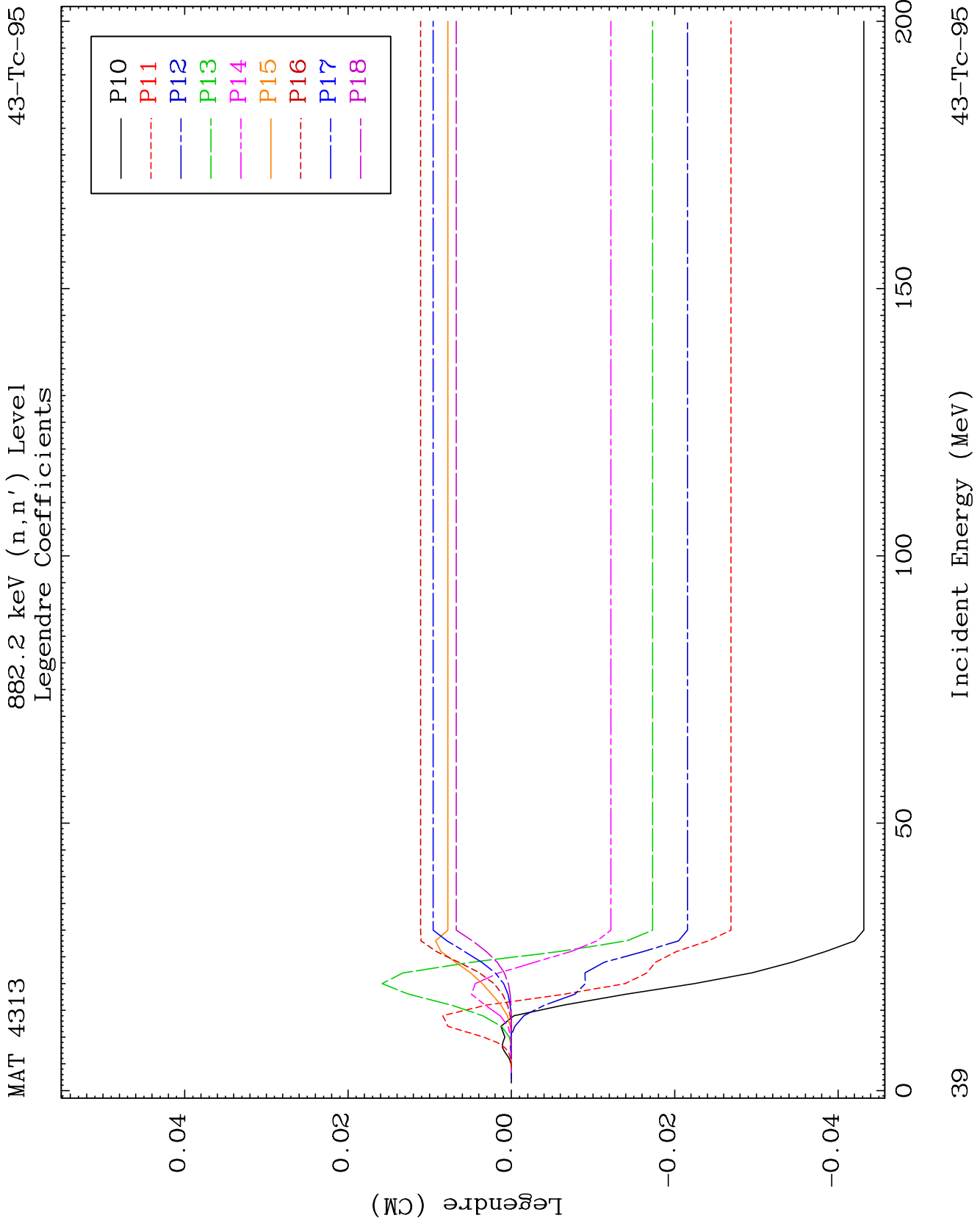
MAT 4313

667.8 keV (n,n') Level
Legendre Coefficients

43-Tc-95



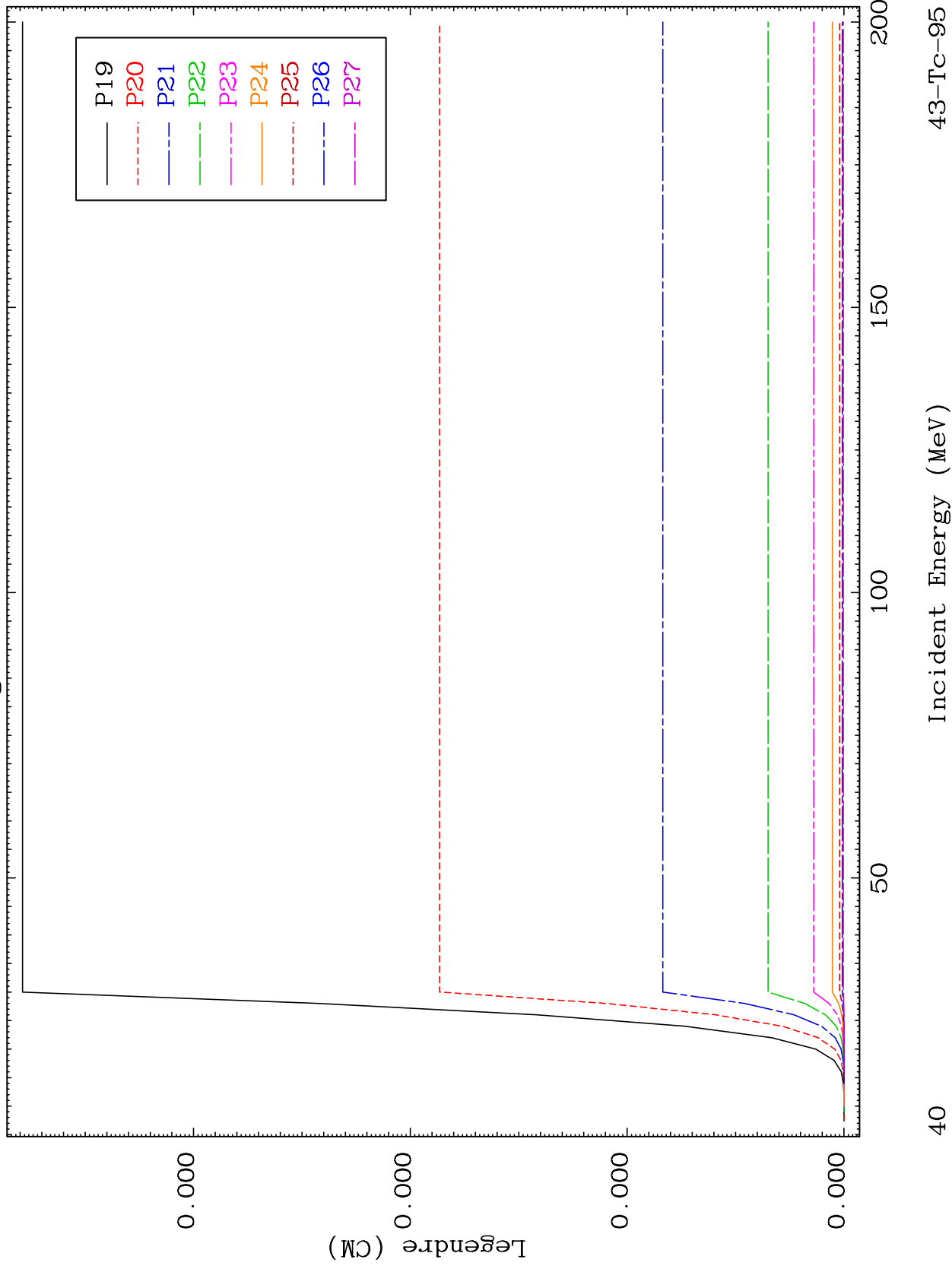




MAT 4313

882.2 keV (n,n') Level
Legendre Coefficients

43-Tc-95



40

Incident Energy (MeV)

50

100

150

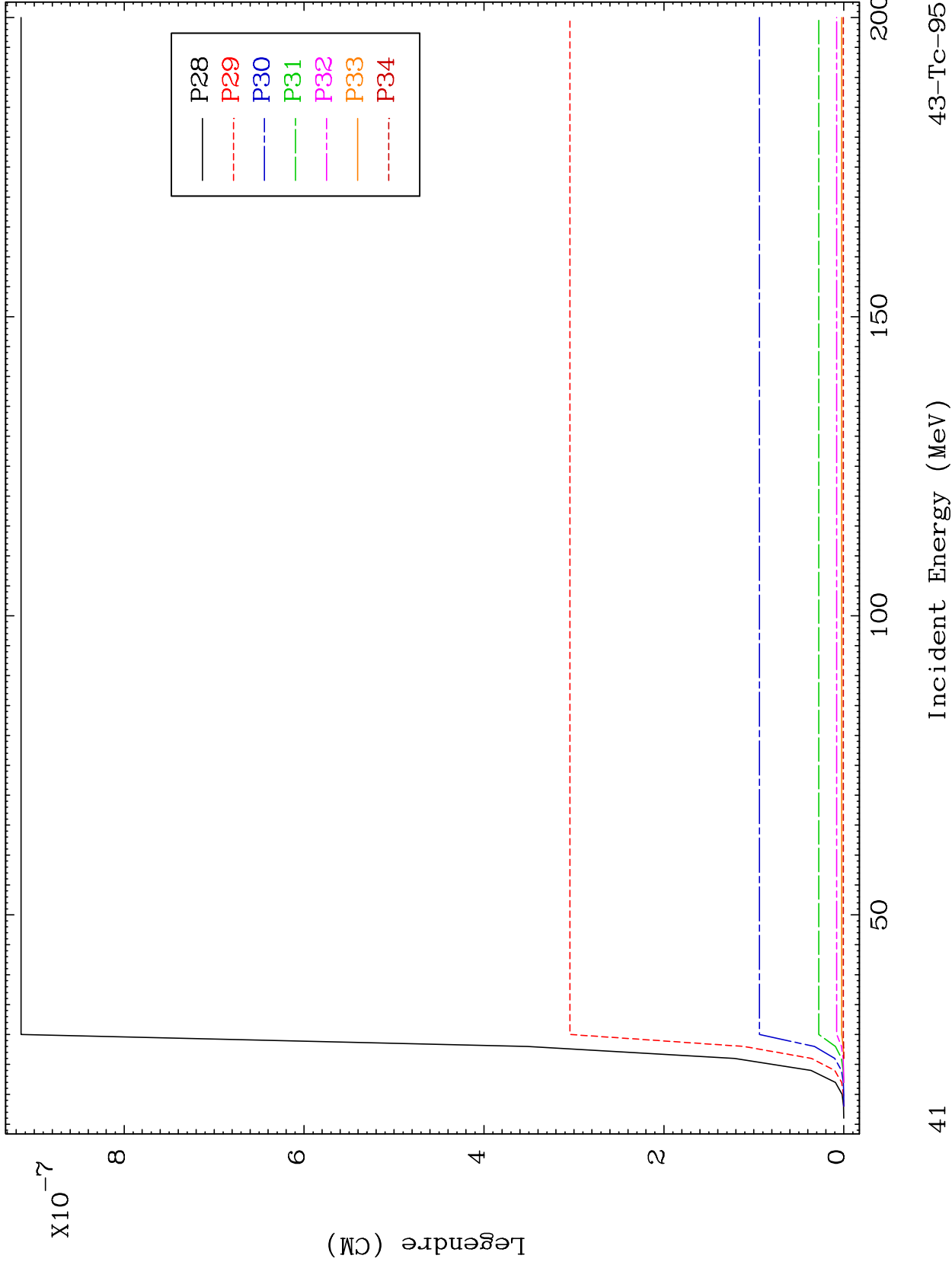
200

43-Tc-95

MAT 4313

882.2 keV (n,n') Level
Legendre Coefficients

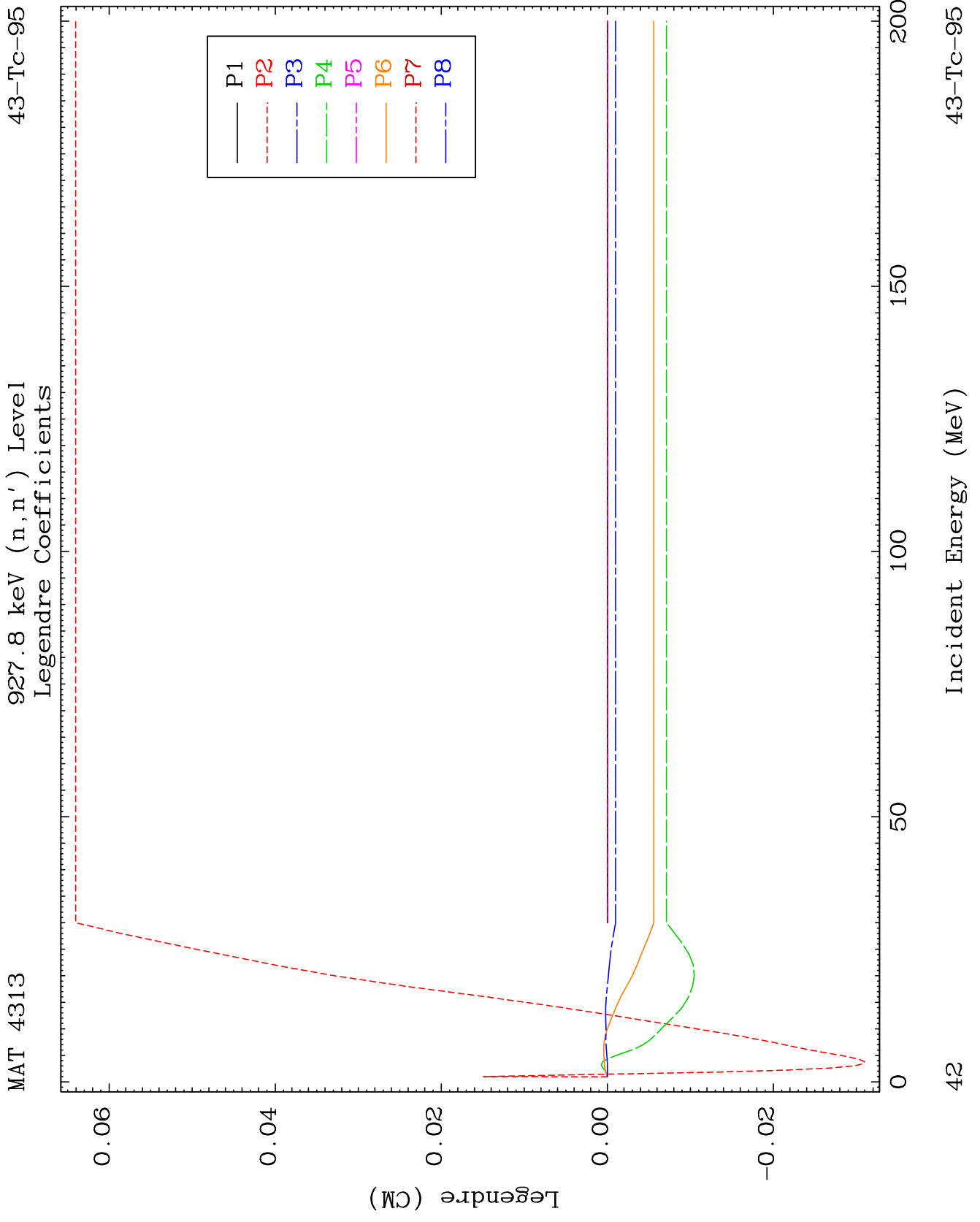
43-Tc-95

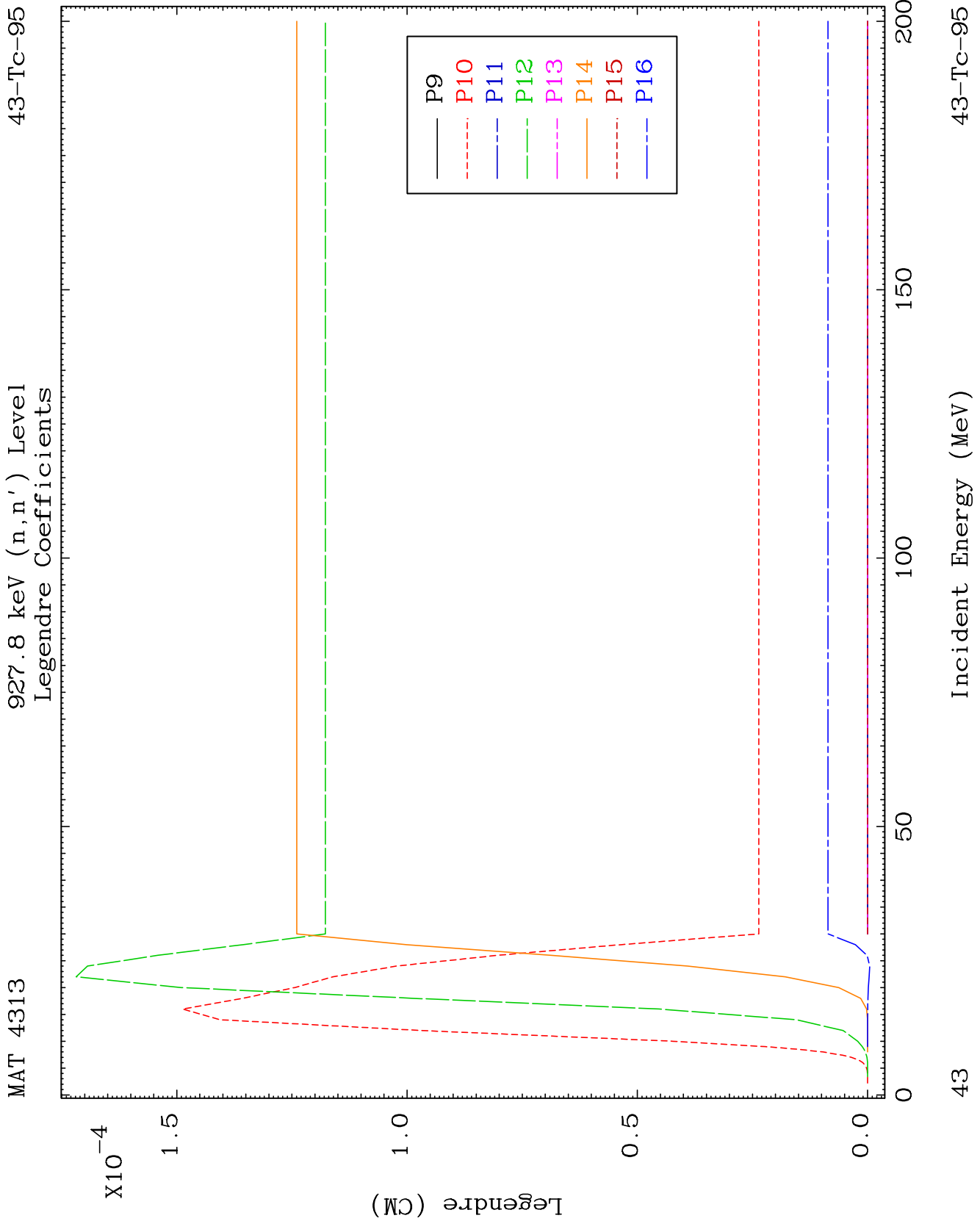


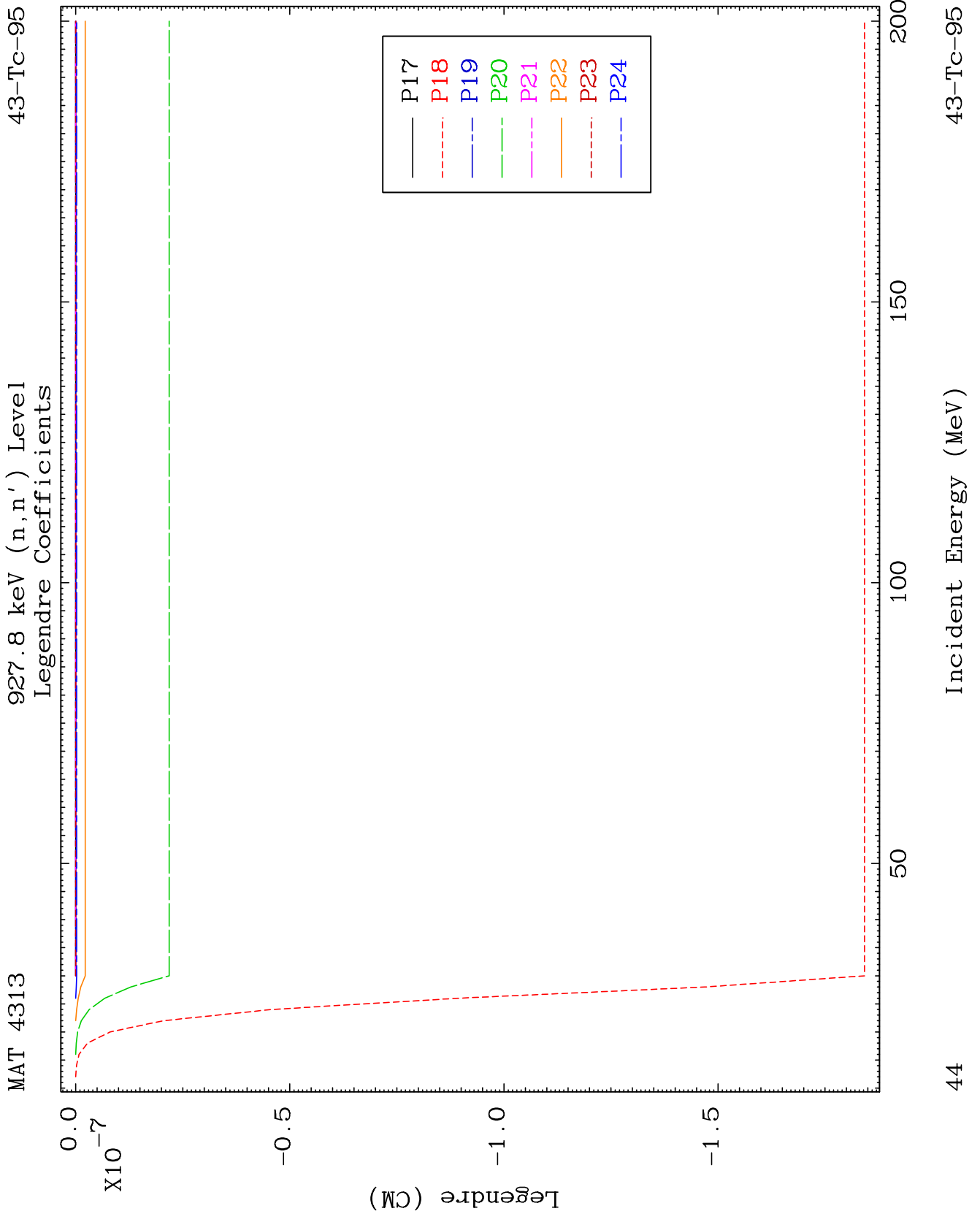
41

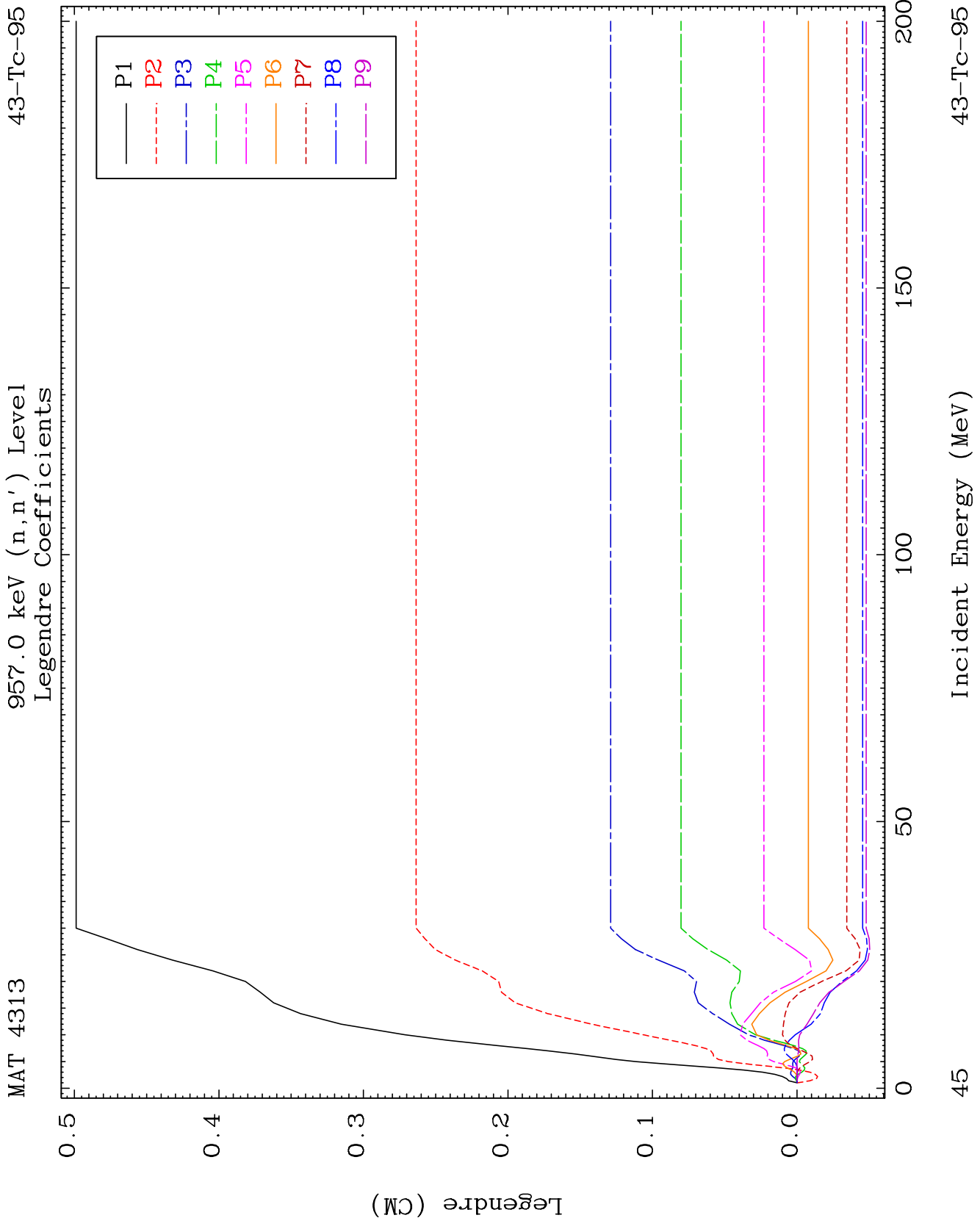
Incident Energy (MeV)

43-Tc-95





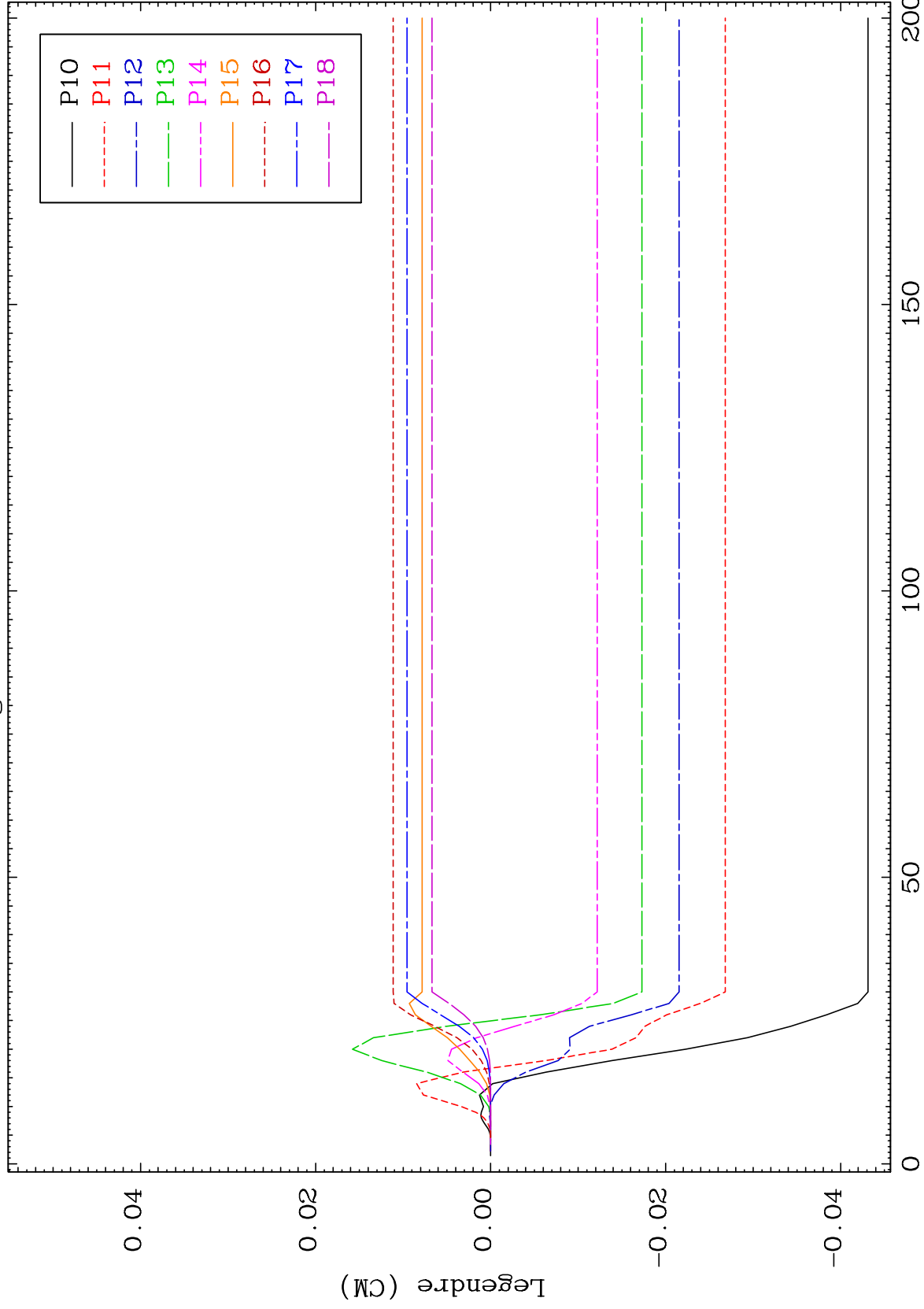




MAT 4313

957.0 keV (n,n') Level
Legendre Coefficients

43-Tc-95



46

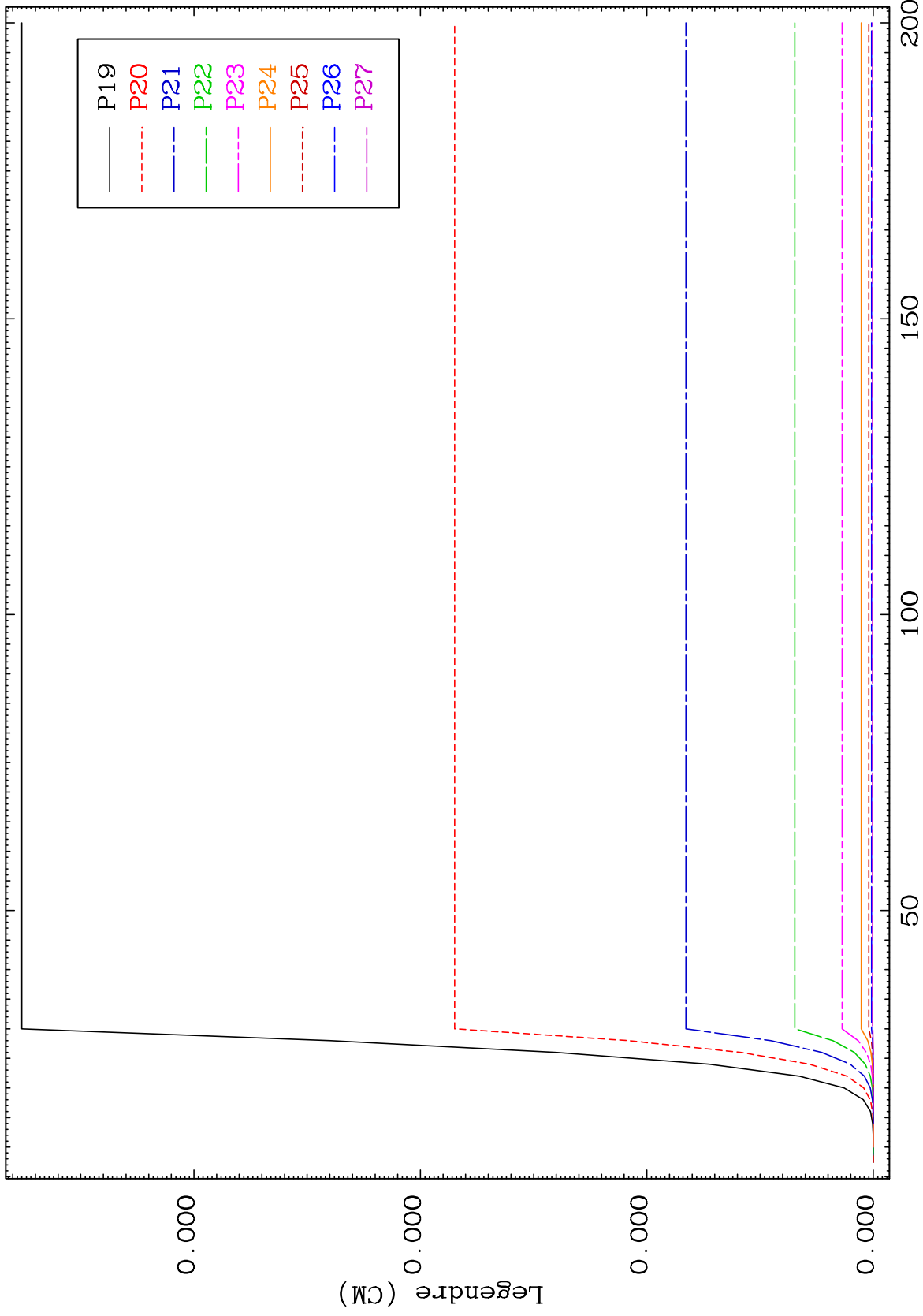
Incident Energy (MeV)

43-Tc-95

MAT 4313

957.0 keV (n,n') Level
Legendre Coefficients

43-Tc-95



47

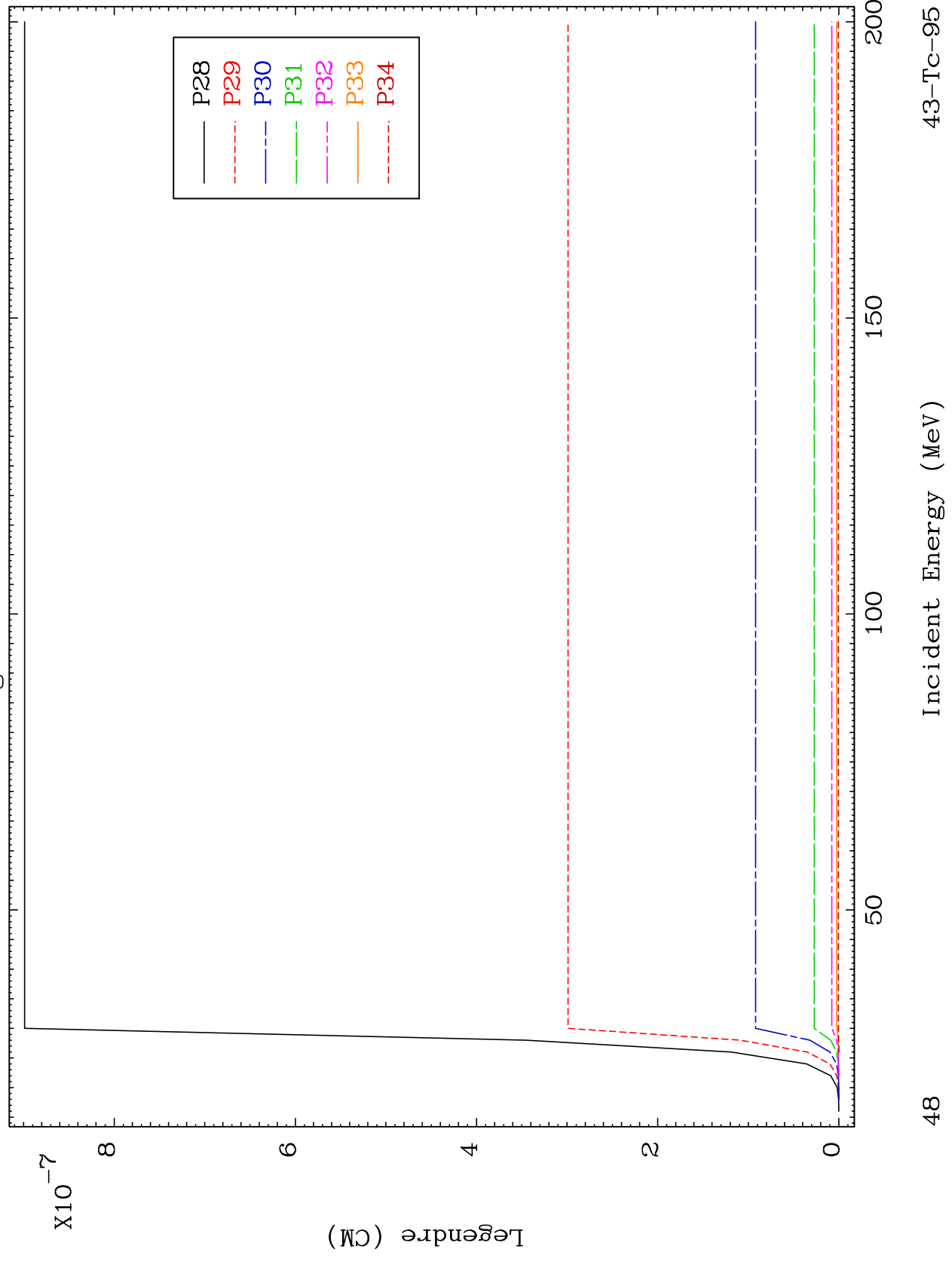
Incident Energy (MeV)

43-Tc-95

MAT 4313

957.0 keV (n,n') Level
Legendre Coefficients

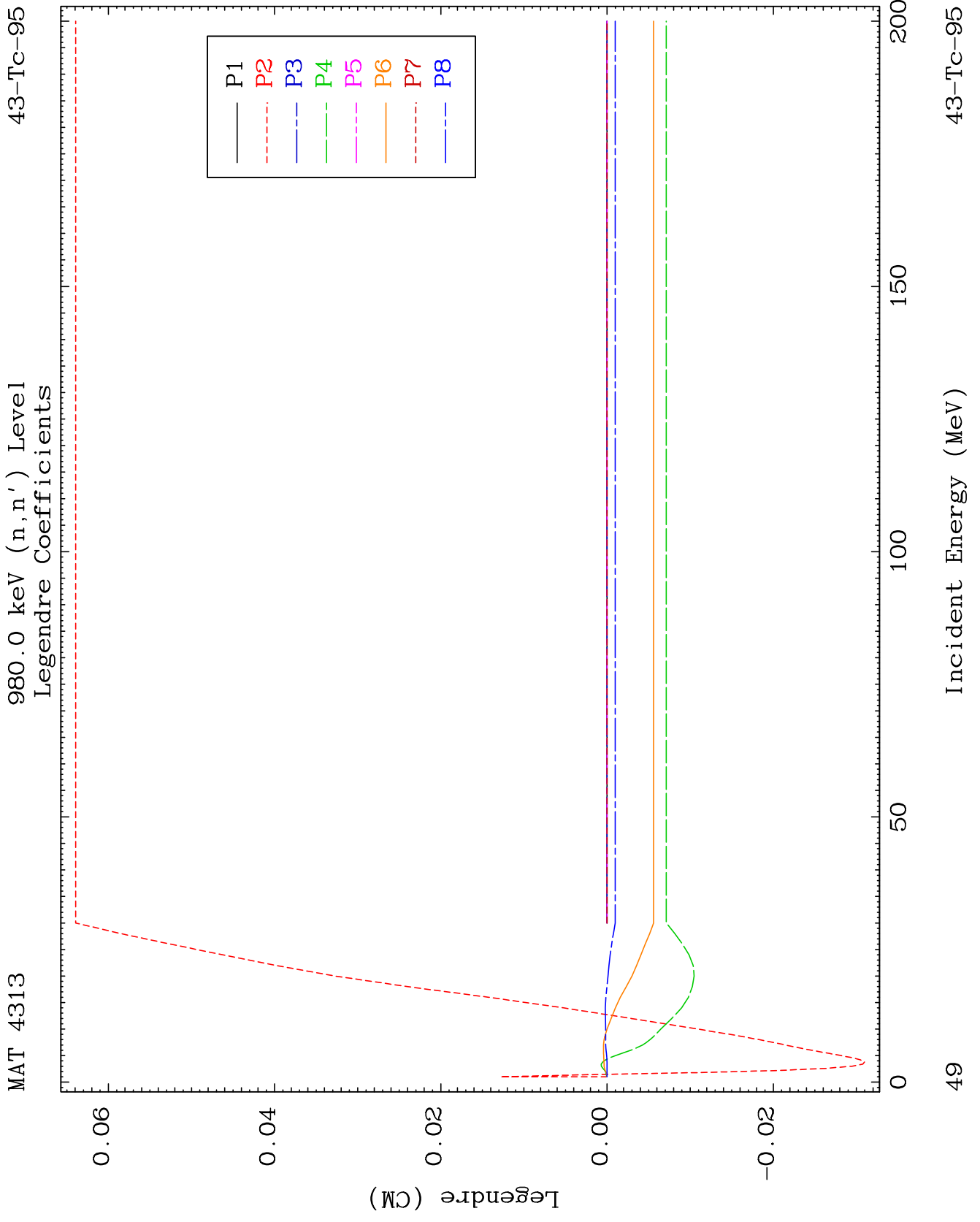
43-Tc-95

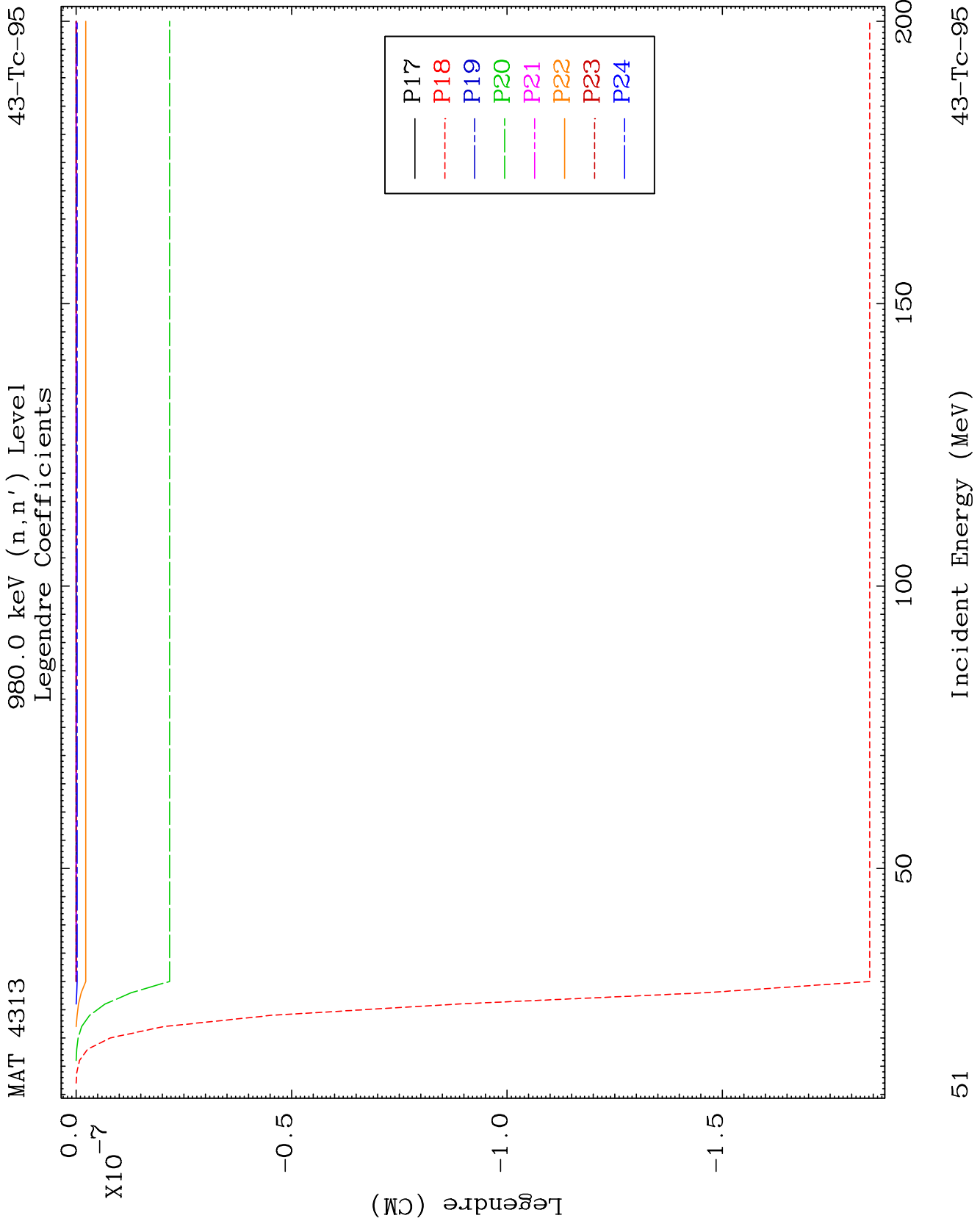


48

Incident Energy (MeV)

43-Tc-95

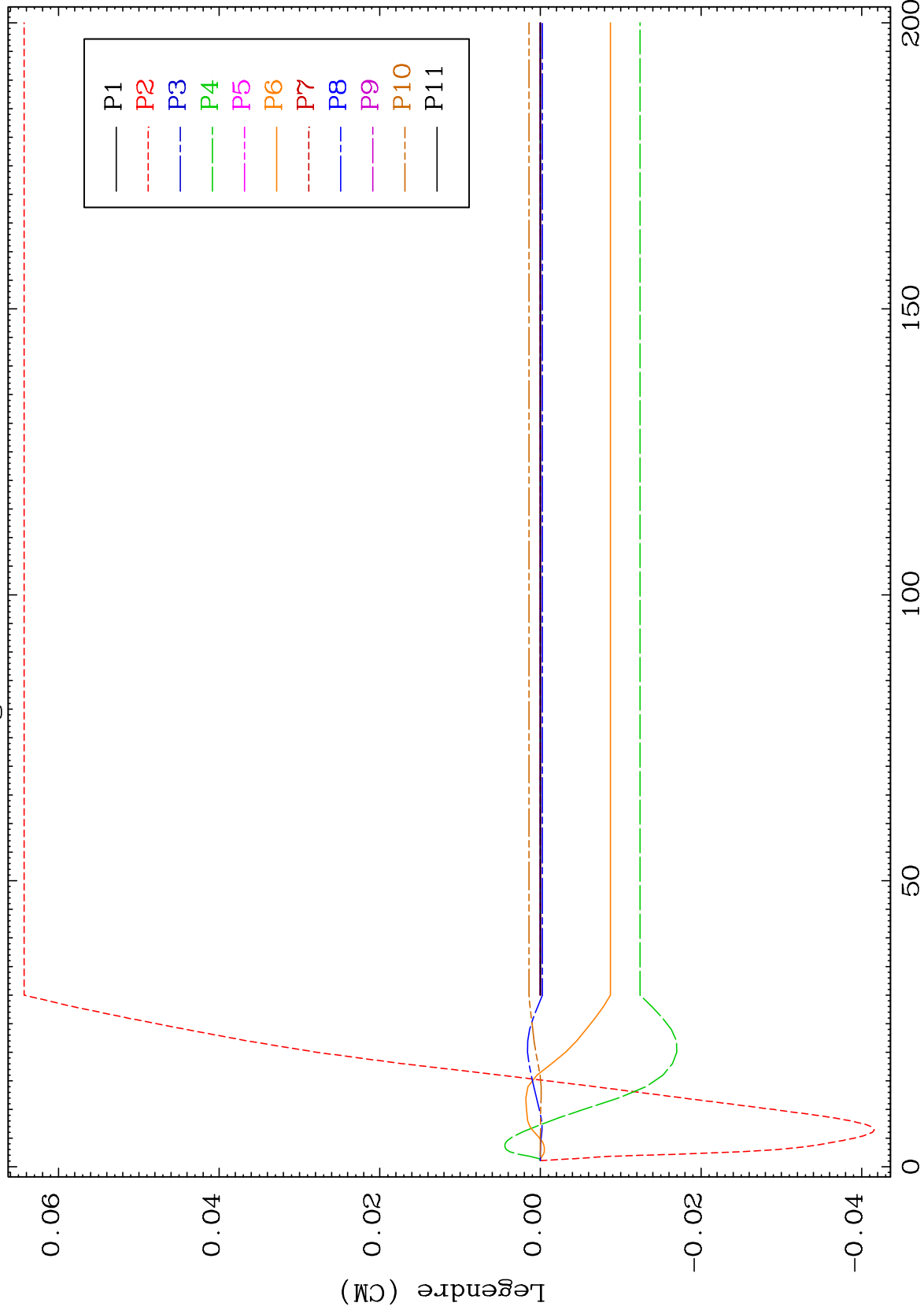




MAT 4313

1.034 MeV (n,n') Level
Legendre Coefficients

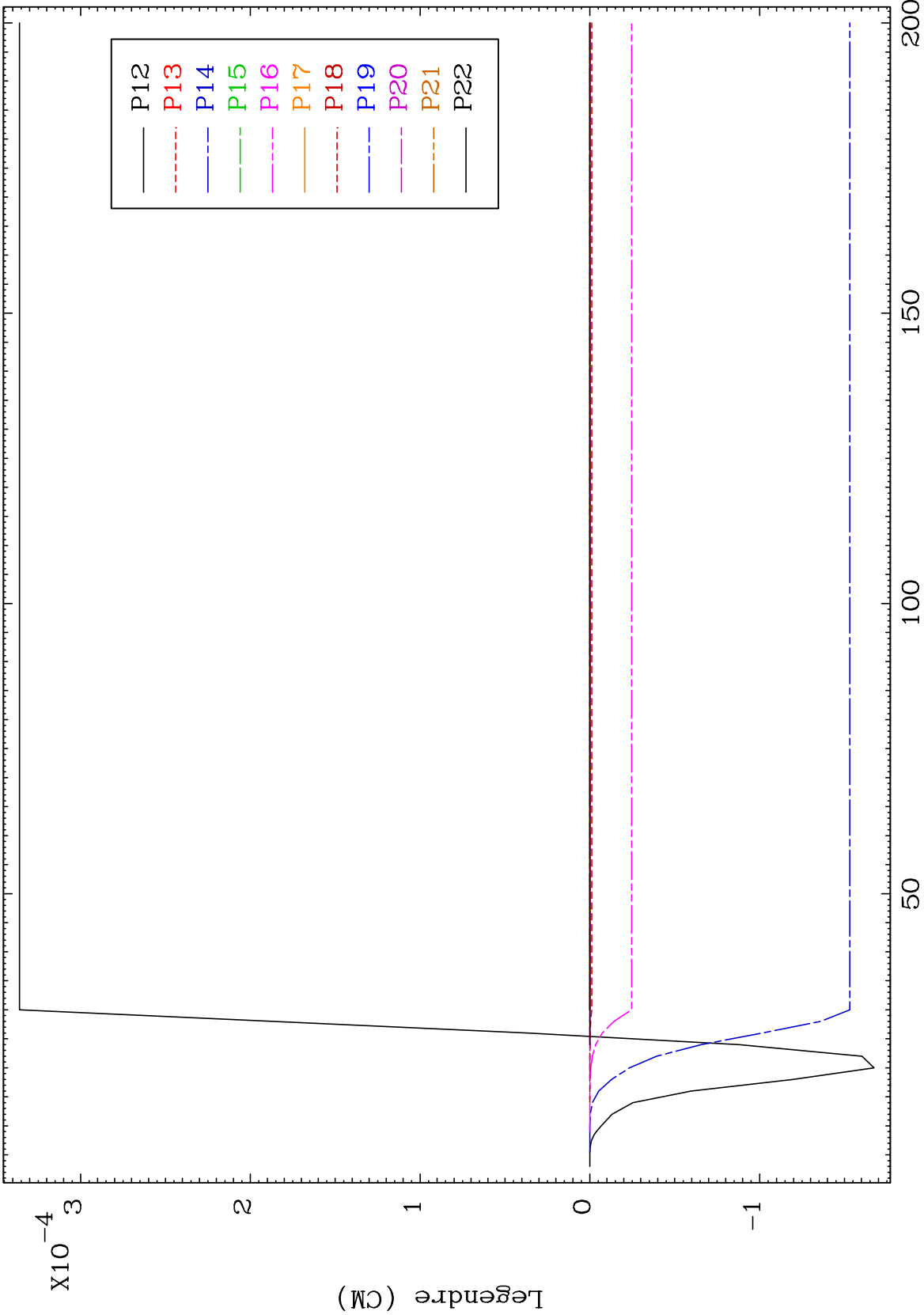
43-Tc-95



52

Incident Energy (MeV)

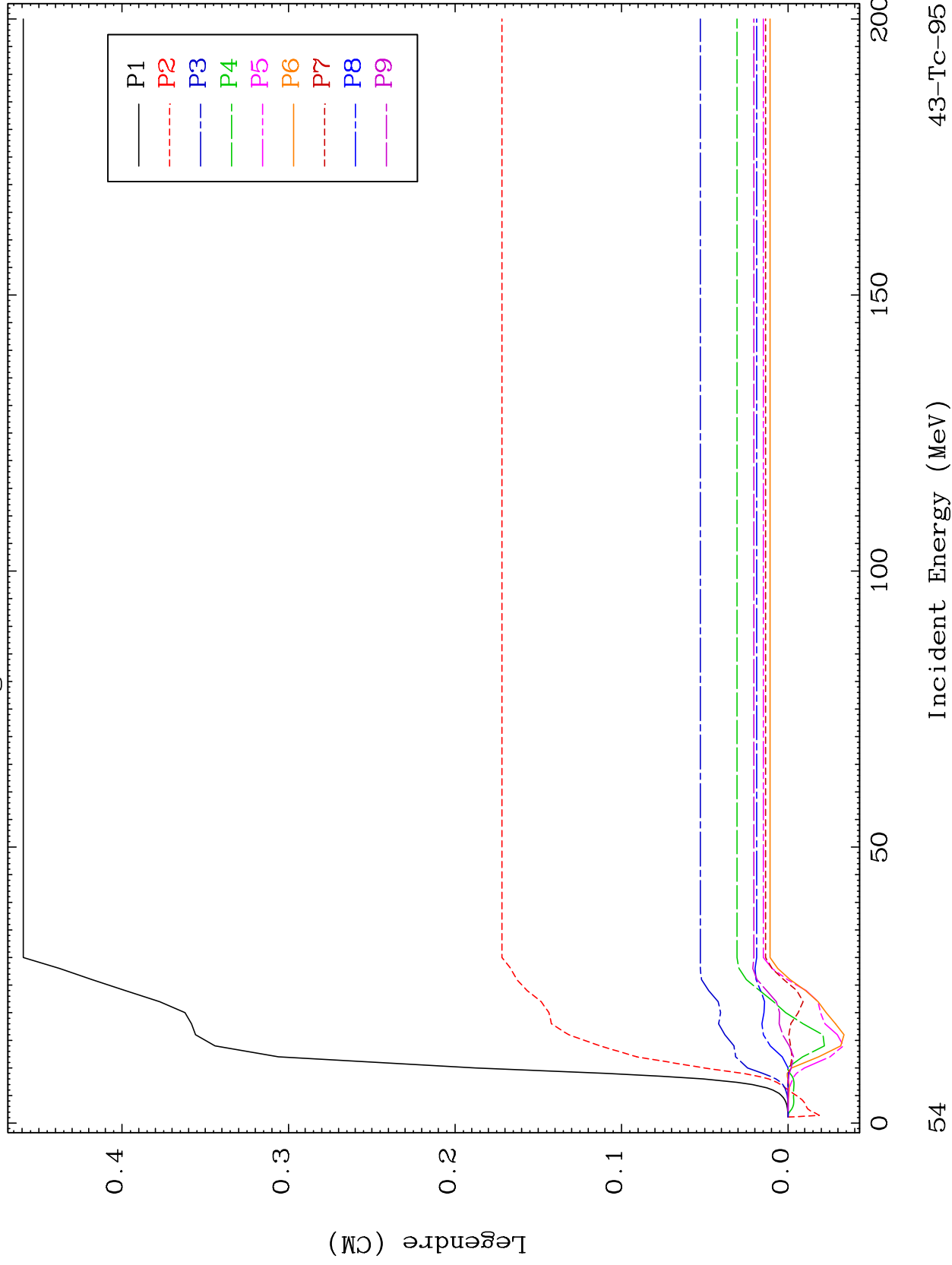
43-Tc-95



MAT 4313

1.085 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



43-Tc-95

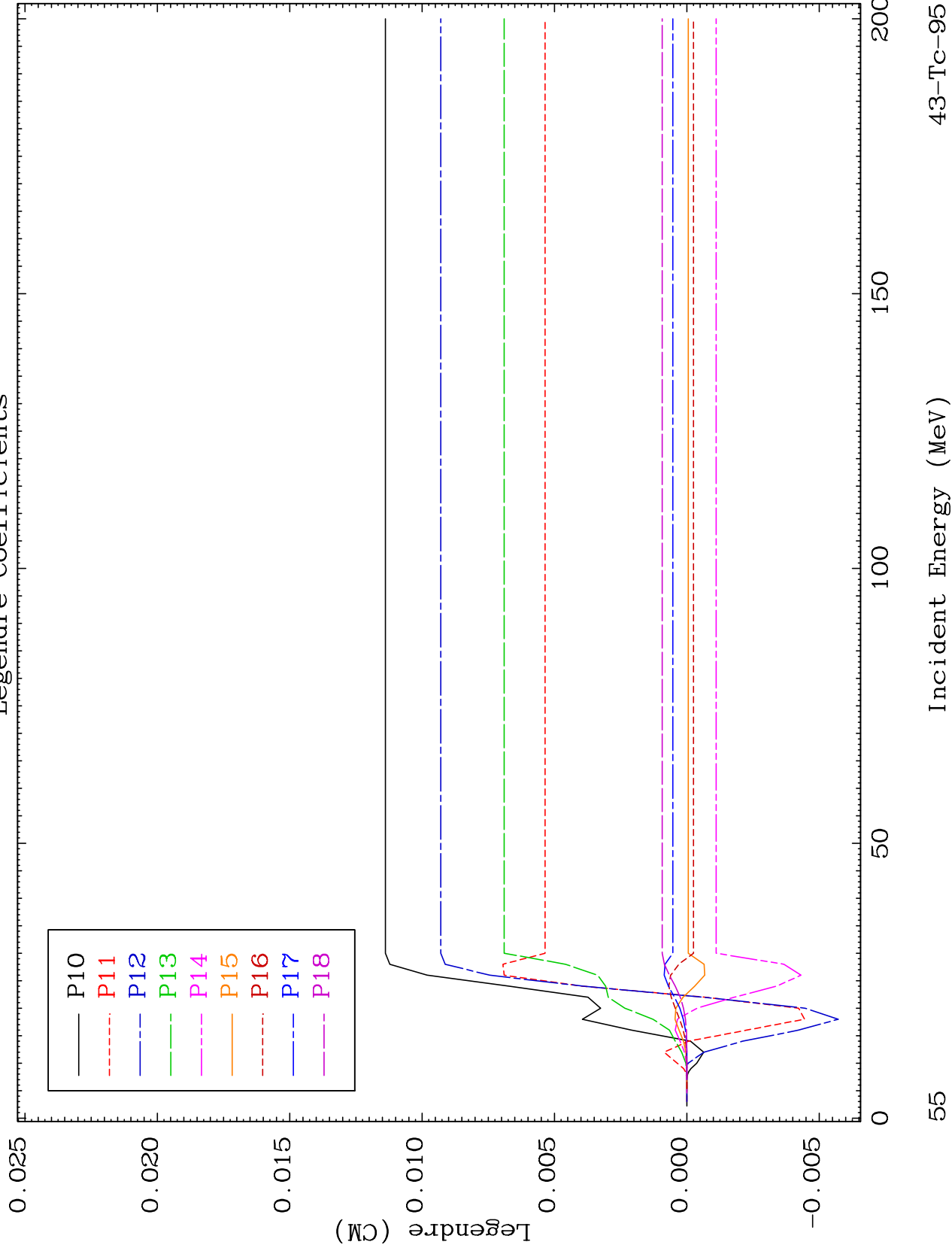
Incident Energy (MeV)

54

MAT 4313

1.085 MeV (n,n') Level
Legendre Coefficients

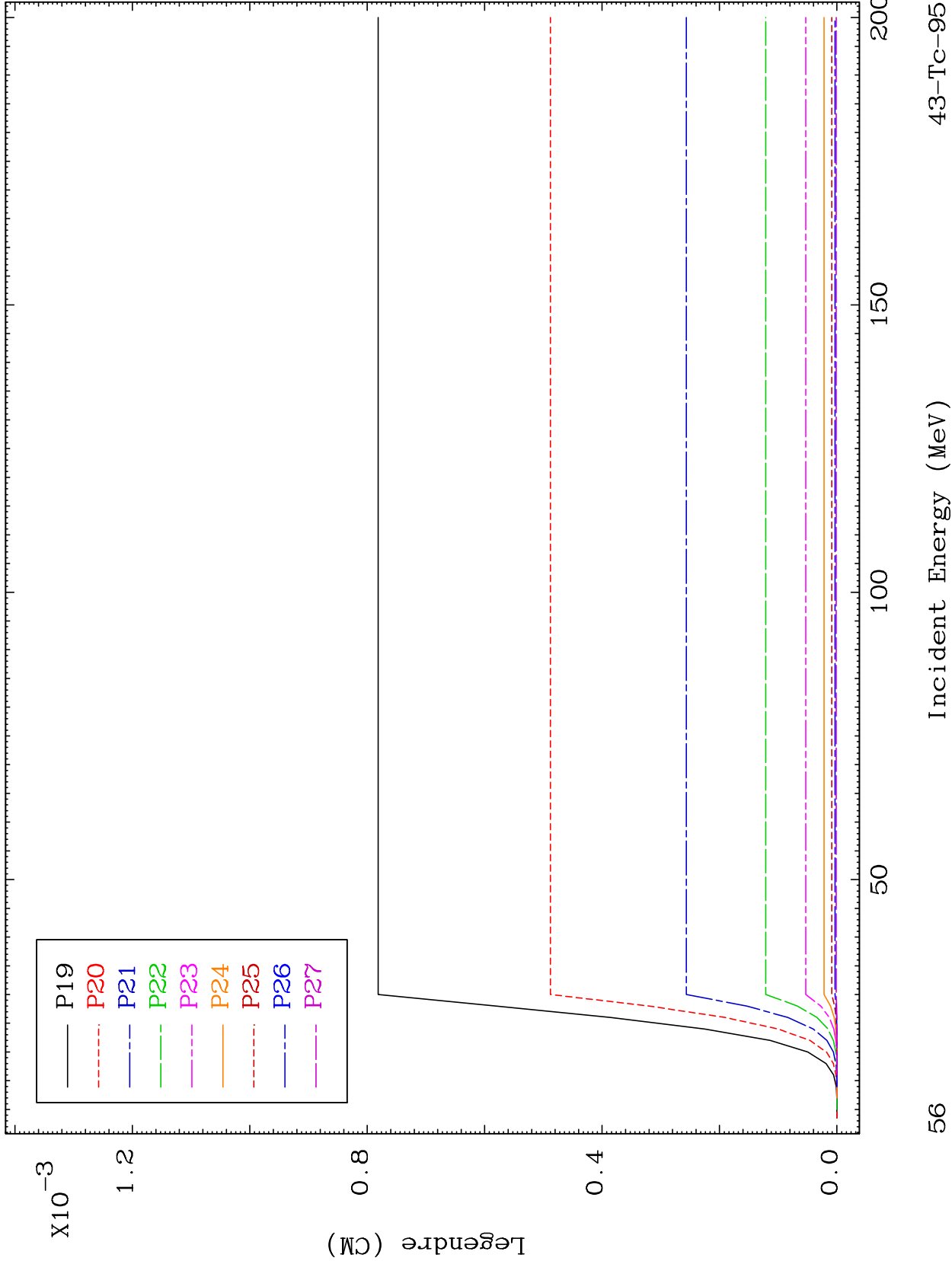
43-Tc-95



43-Tc-95

Incident Energy (MeV)

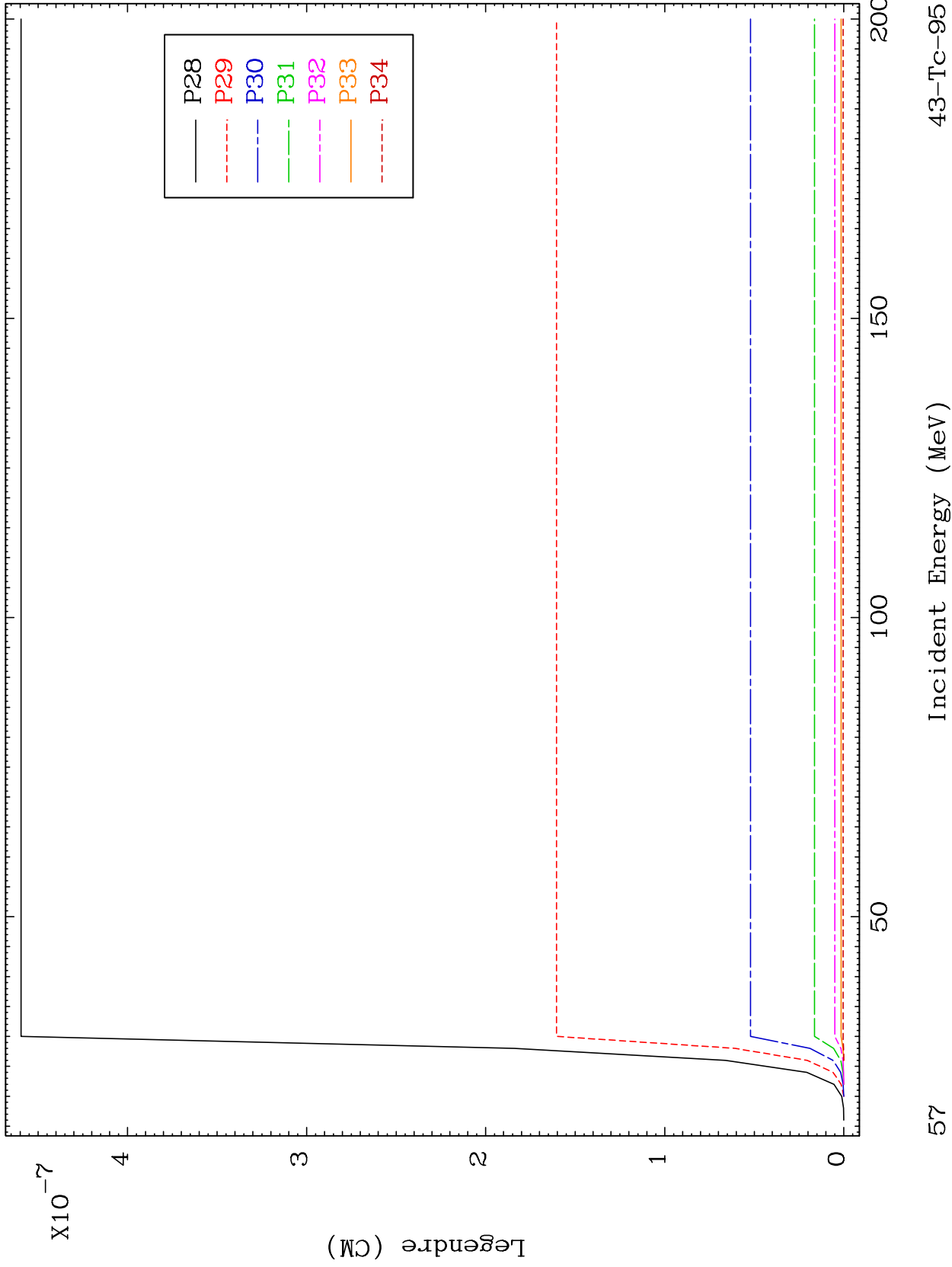
55

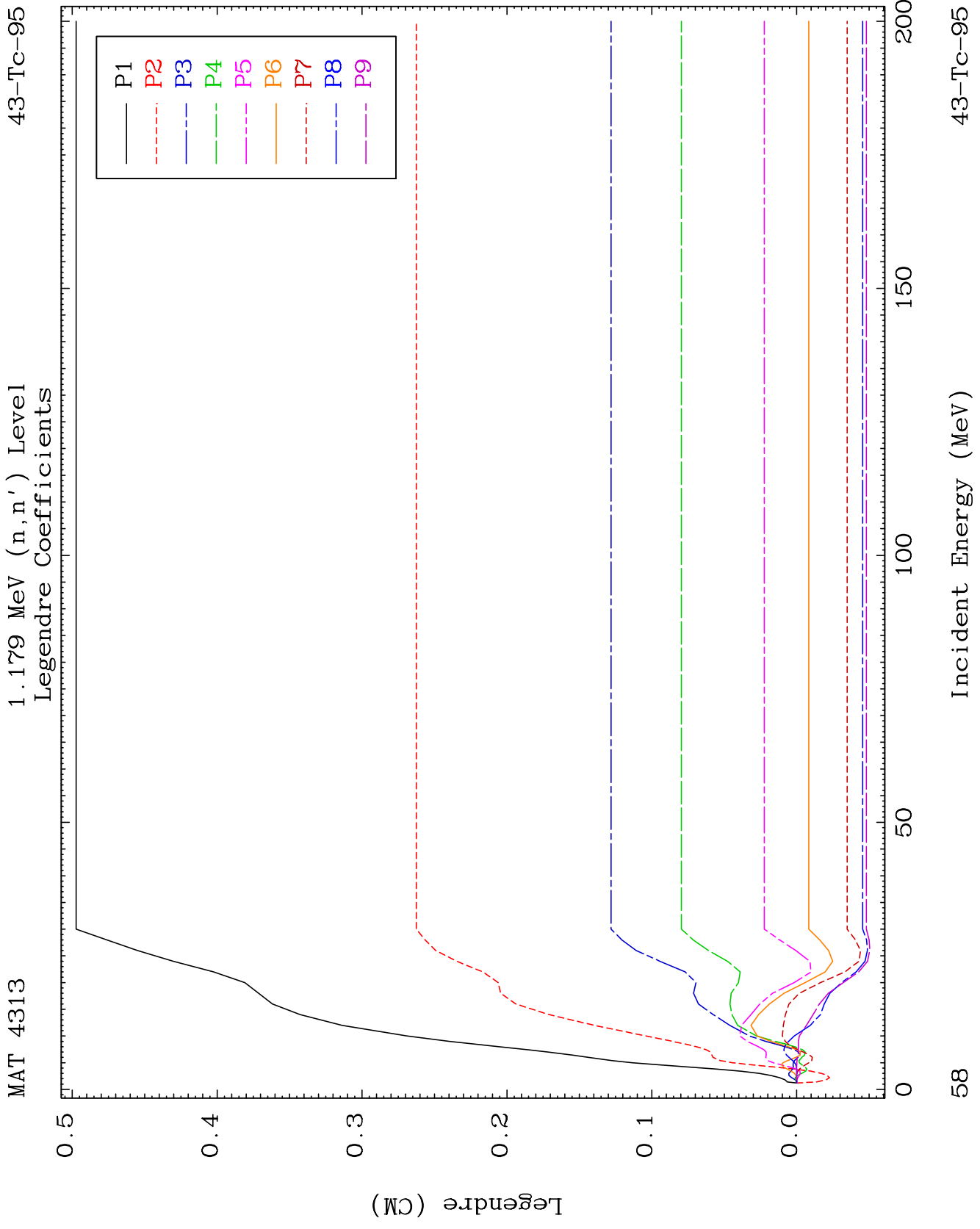


MAT 4313

1.085 MeV (n,n') Level
Legendre Coefficients

43-Tc-95

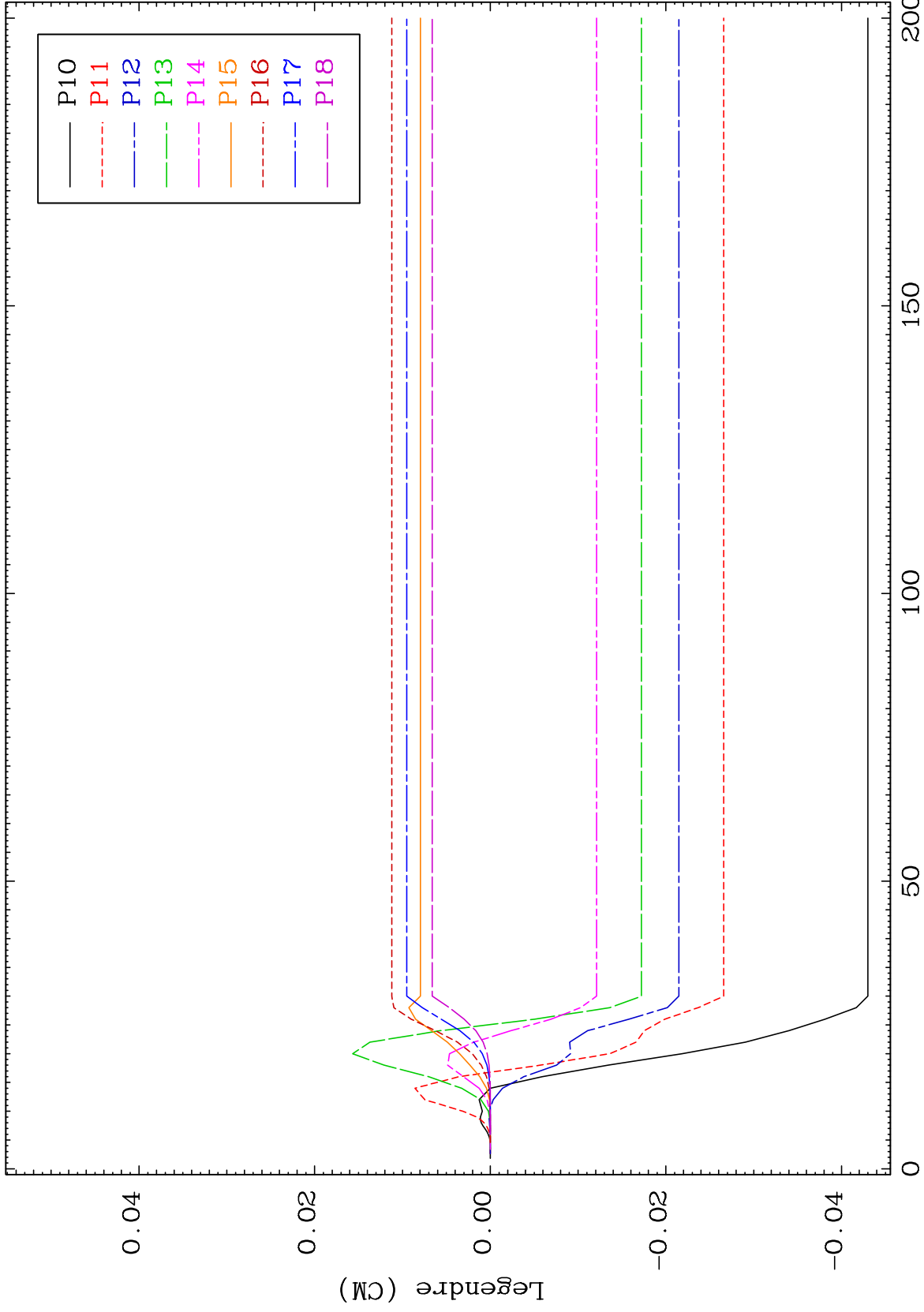




MAT 4313

1.179 MeV (n,n') Level
Legendre Coefficients

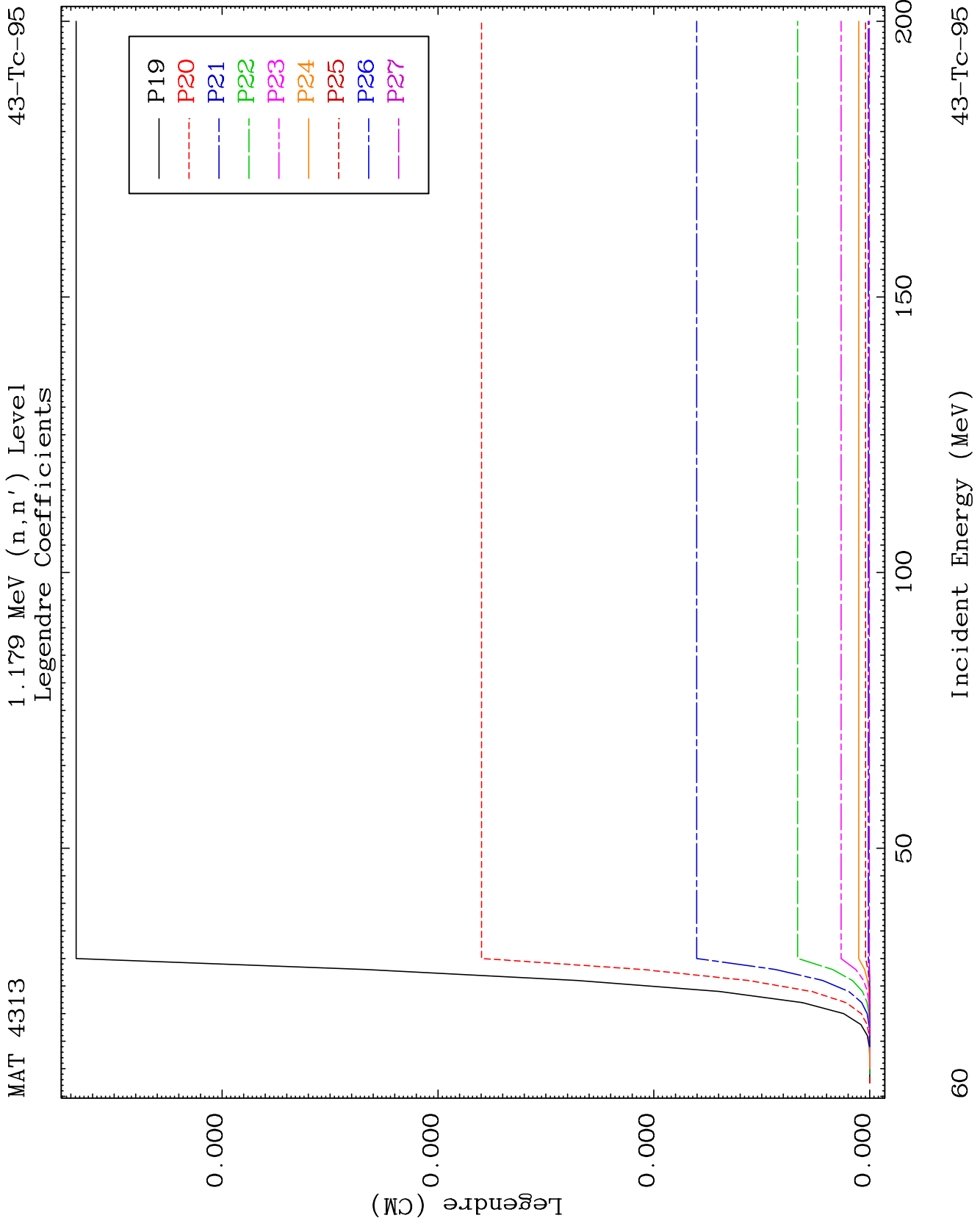
43-Tc-95



59

Incident Energy (MeV)

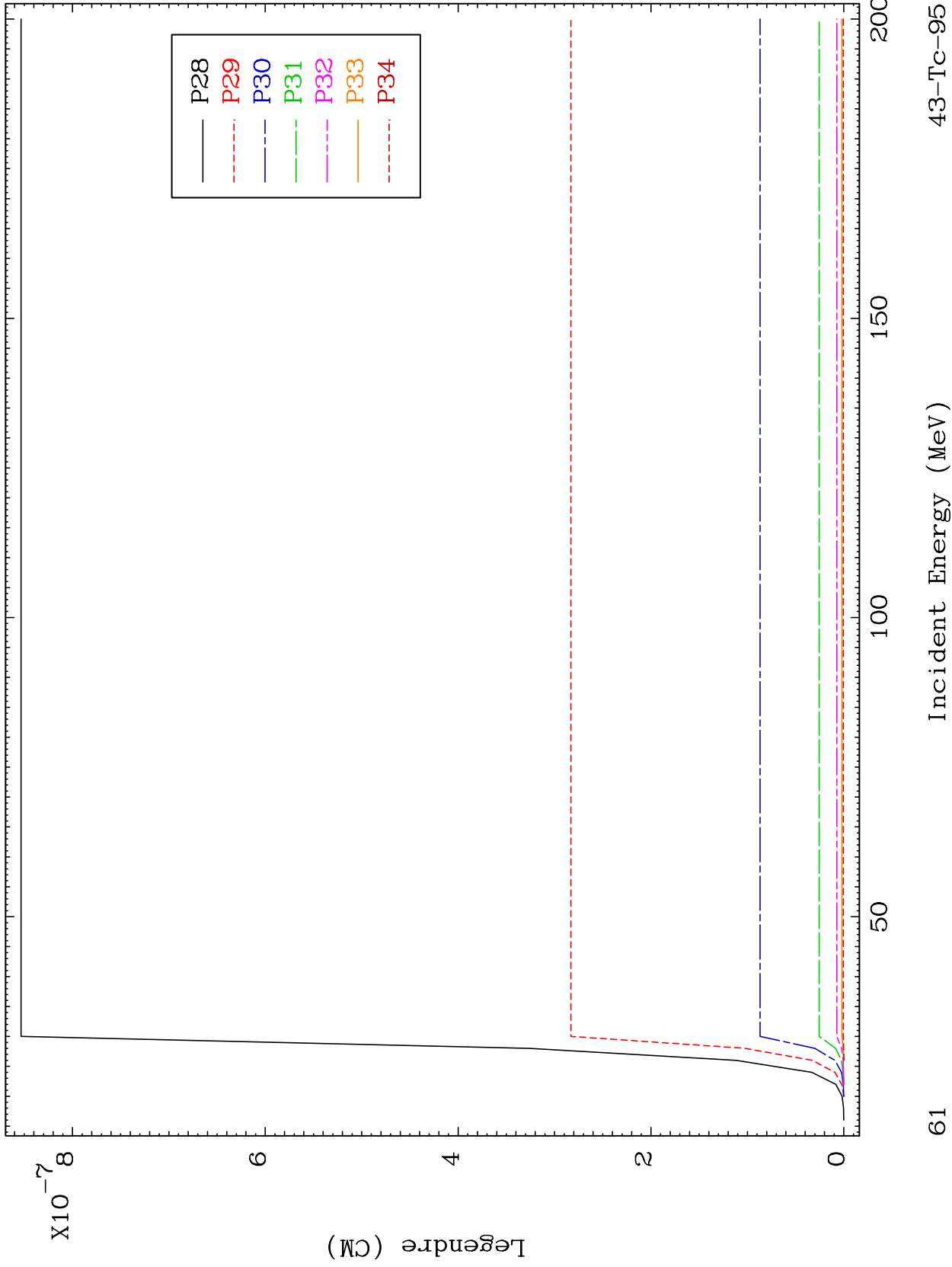
43-Tc-95



MAT 4313

1.179 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



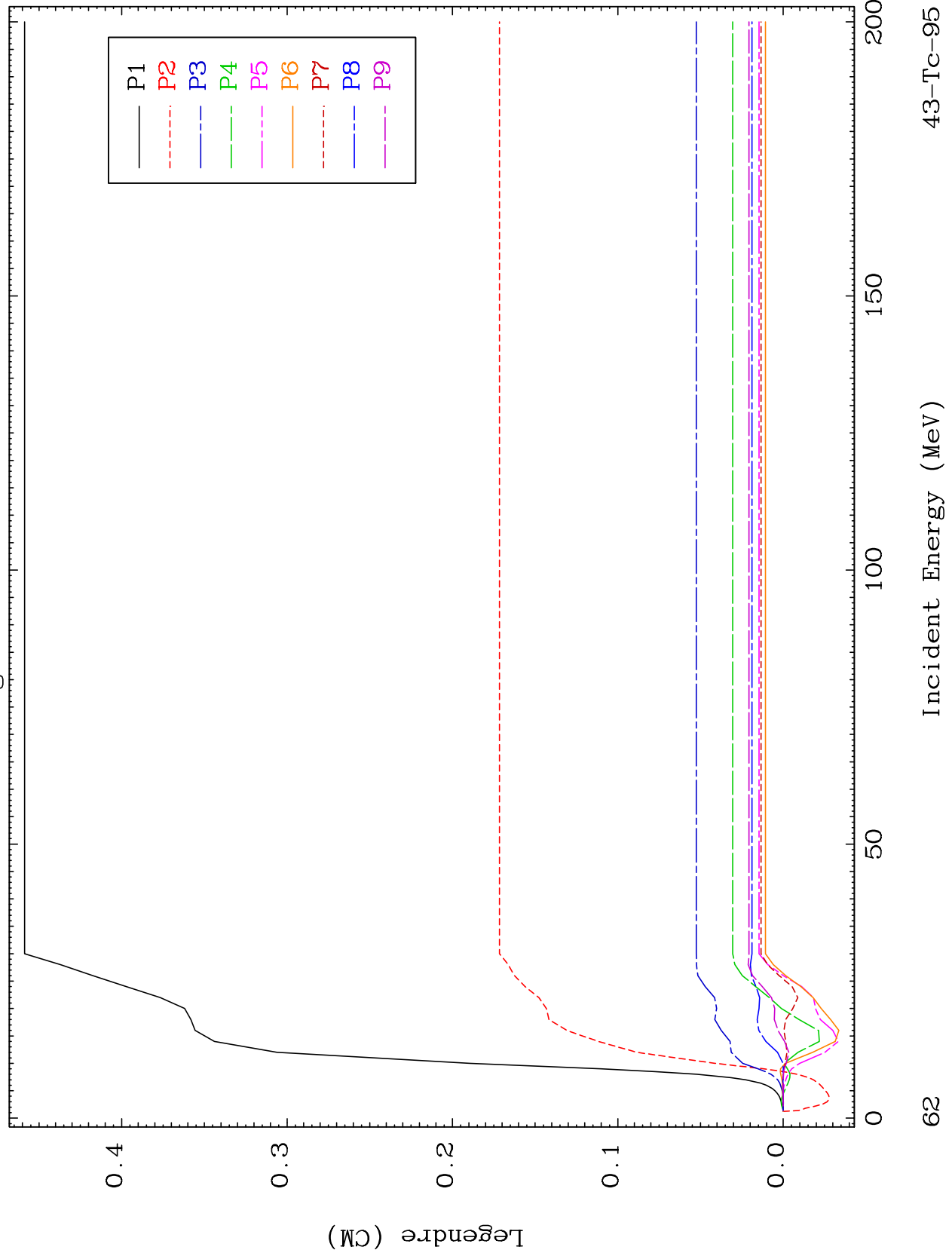
61

43-Tc-95

MAT 4313

1.201 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



62

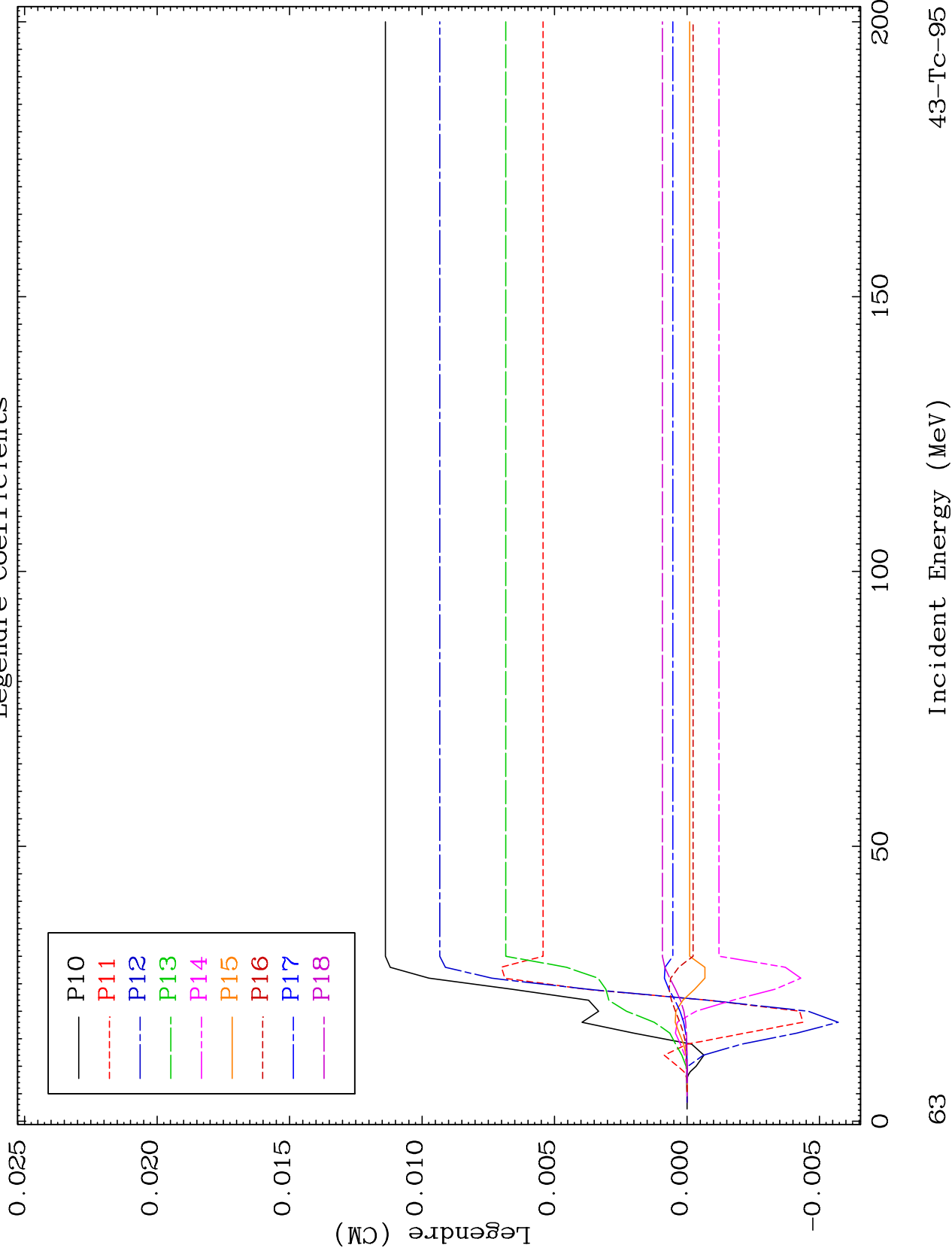
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.201 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



63

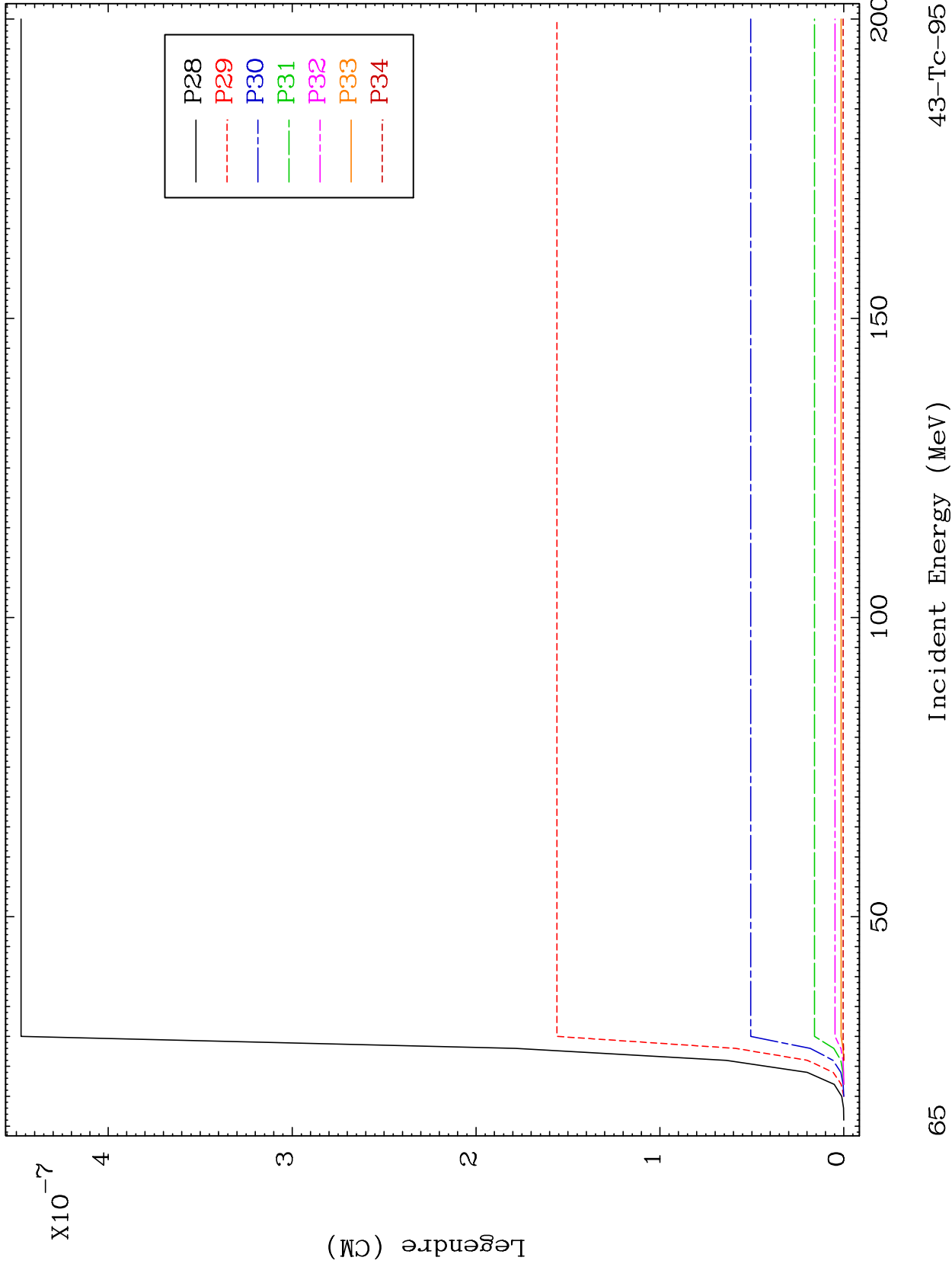
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.201 MeV (n,n') Level
Legendre Coefficients

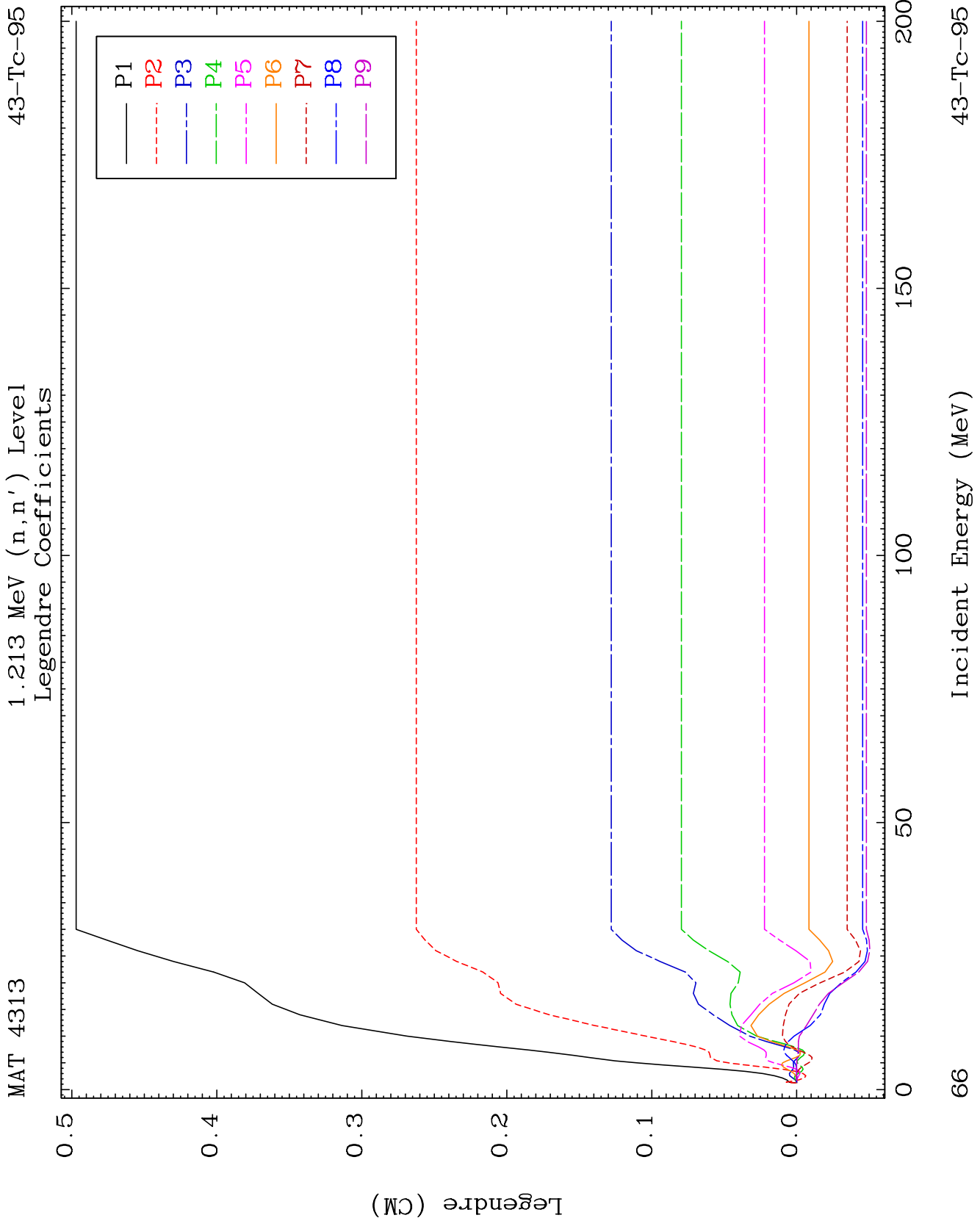
43-Tc-95



65

Incident Energy (MeV)

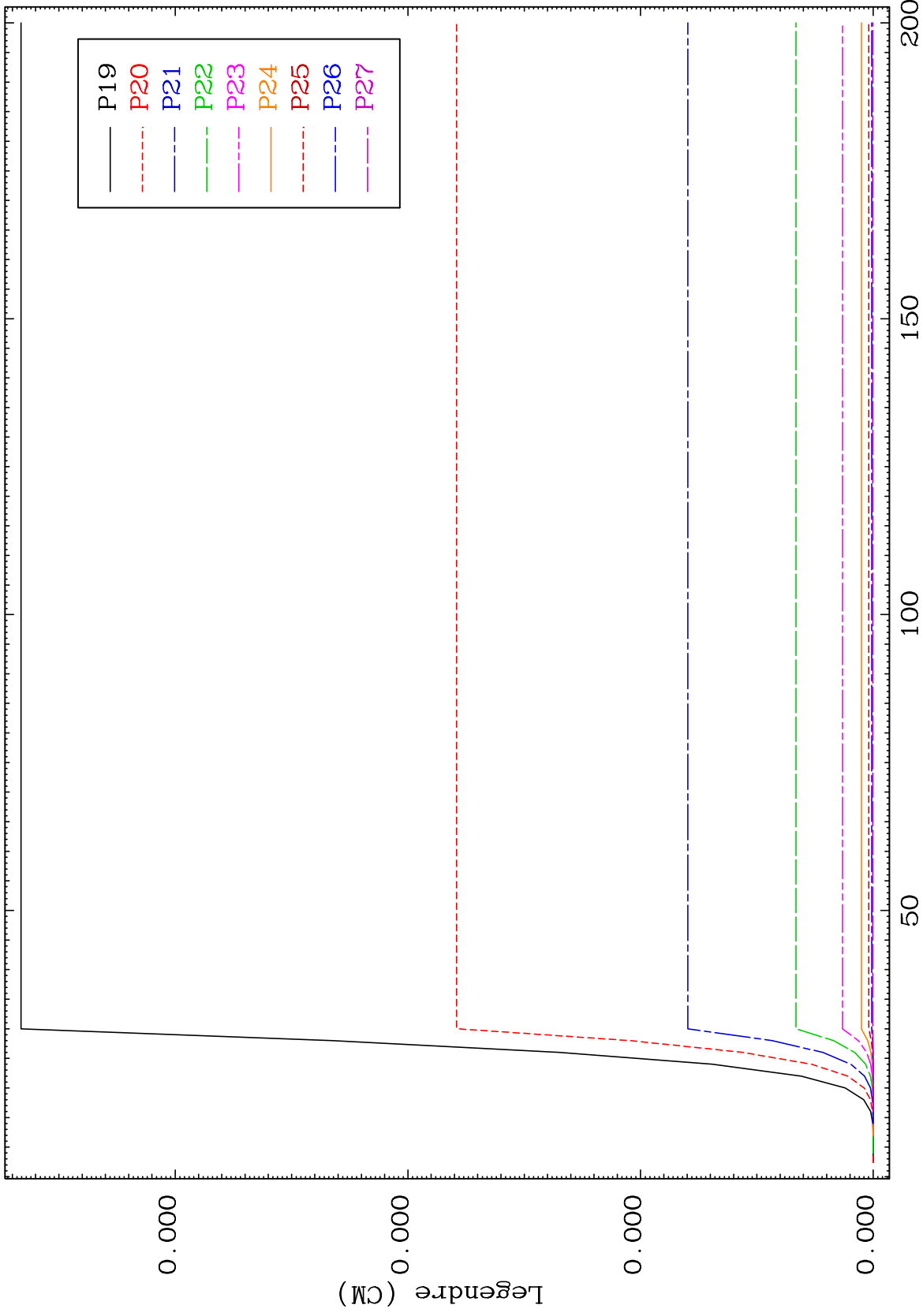
43-Tc-95



MAT 4313

1.213 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



68

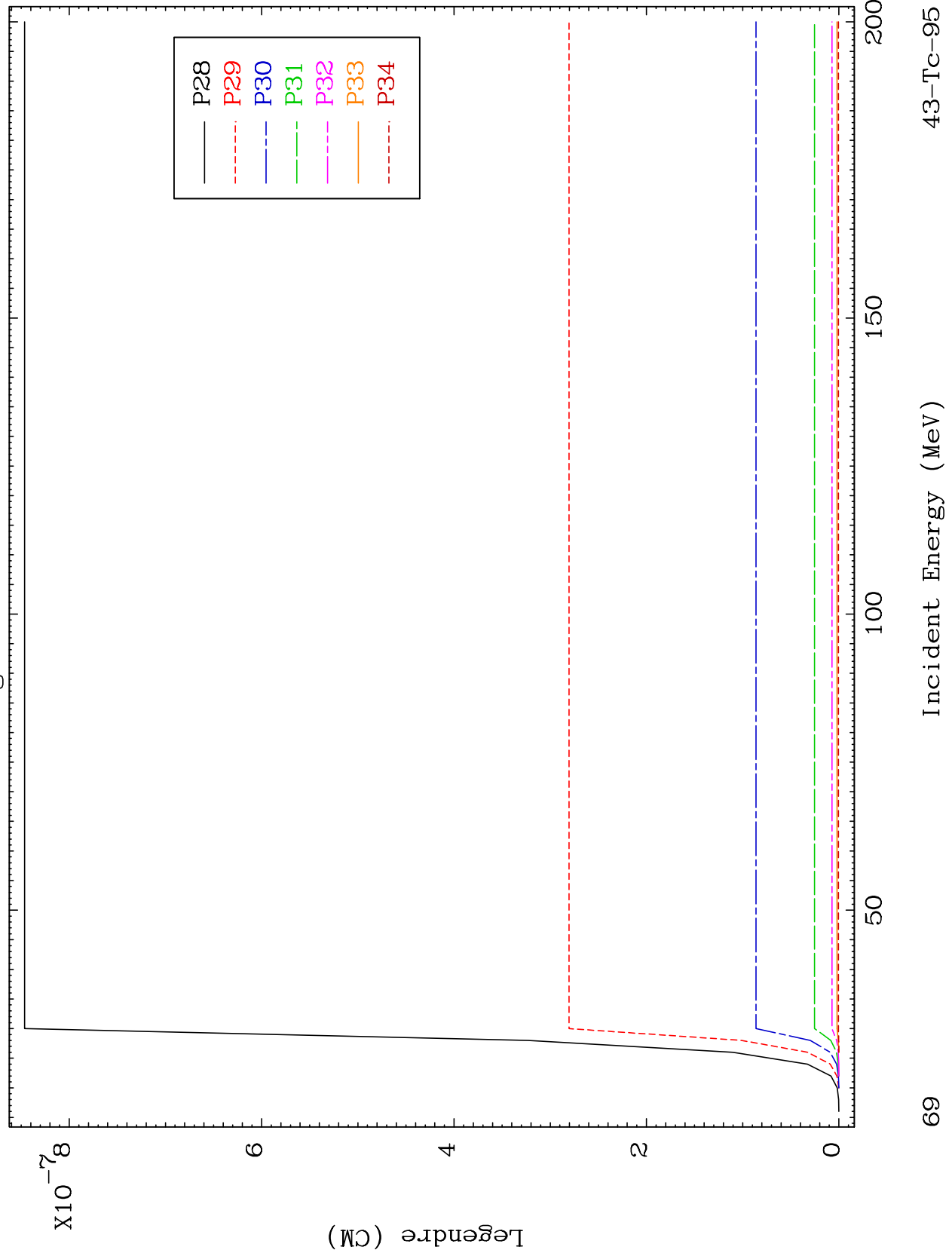
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.213 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



69

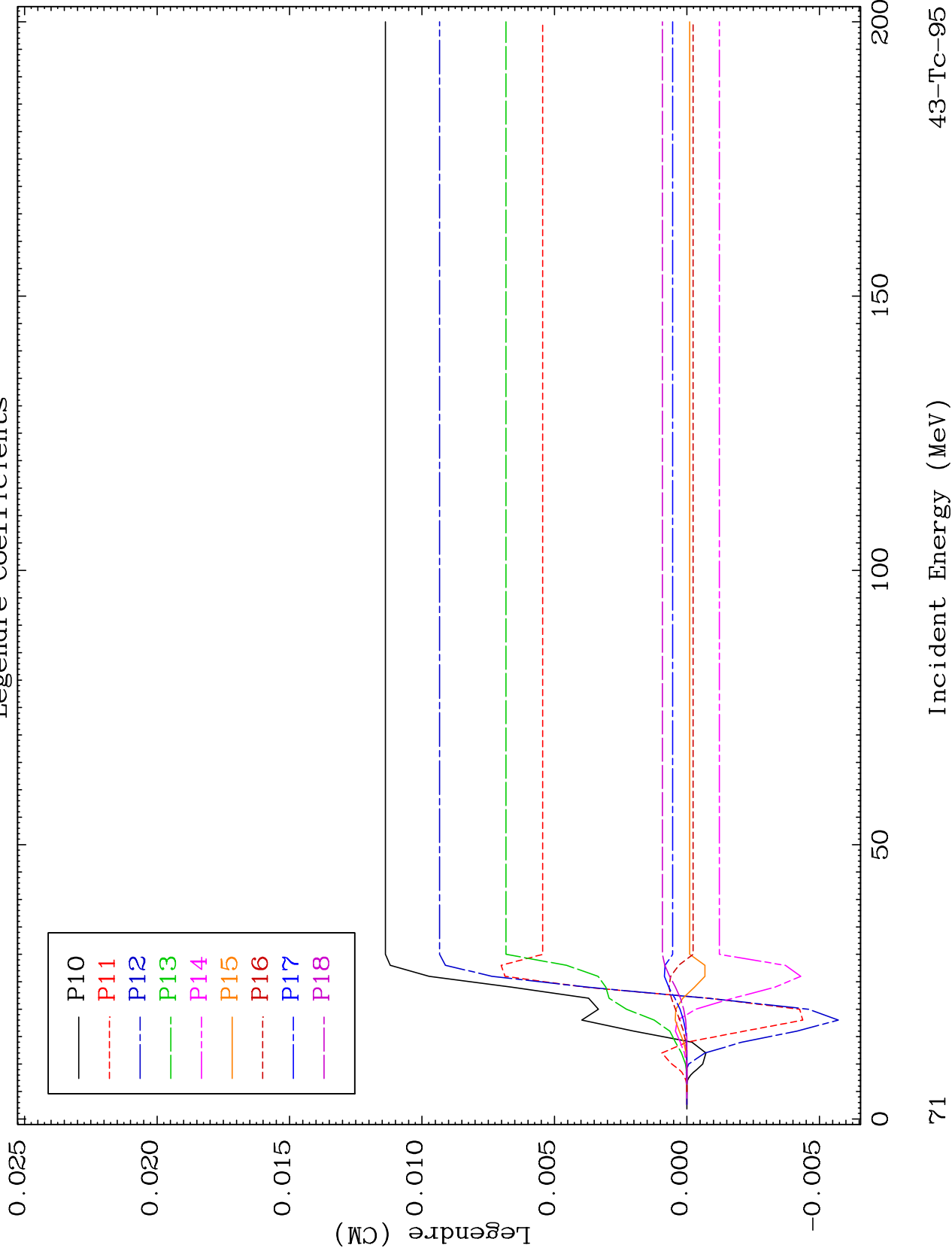
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.215 MeV (n,n') Level
Legendre Coefficients

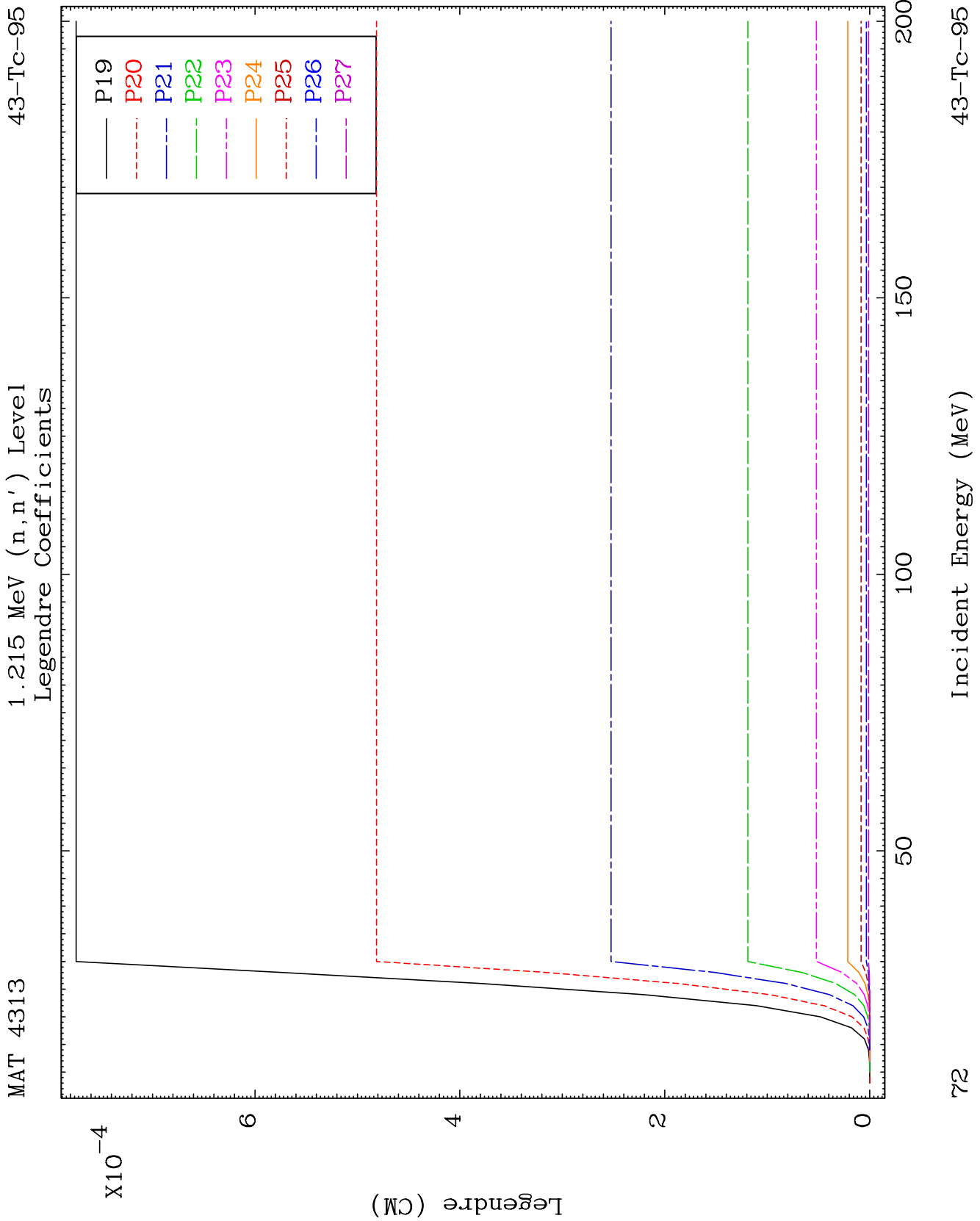
43-Tc-95



71

Incident Energy (MeV)

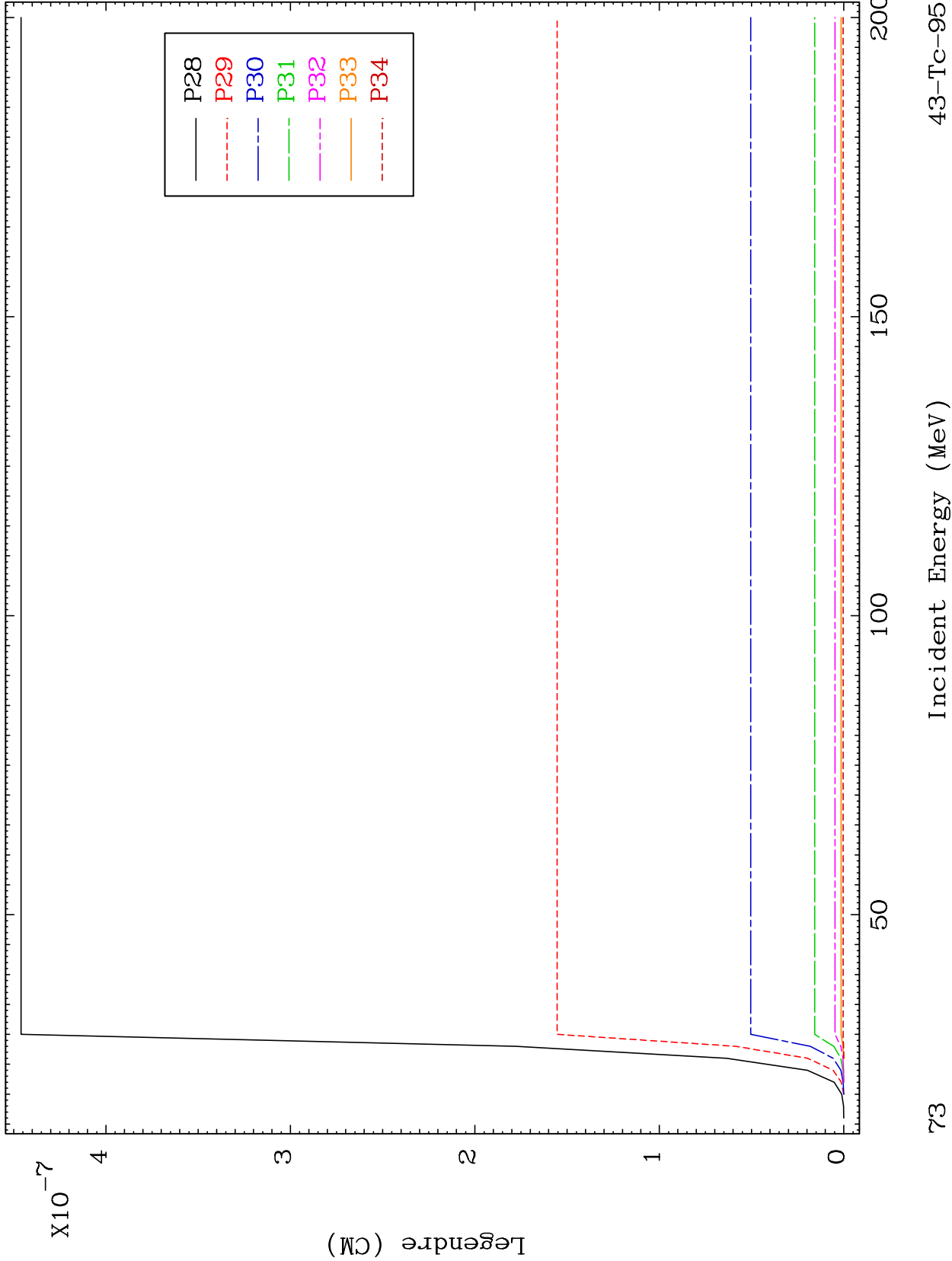
43-Tc-95



MAT 4313

1.215 MeV (n,n') Level
Legendre Coefficients

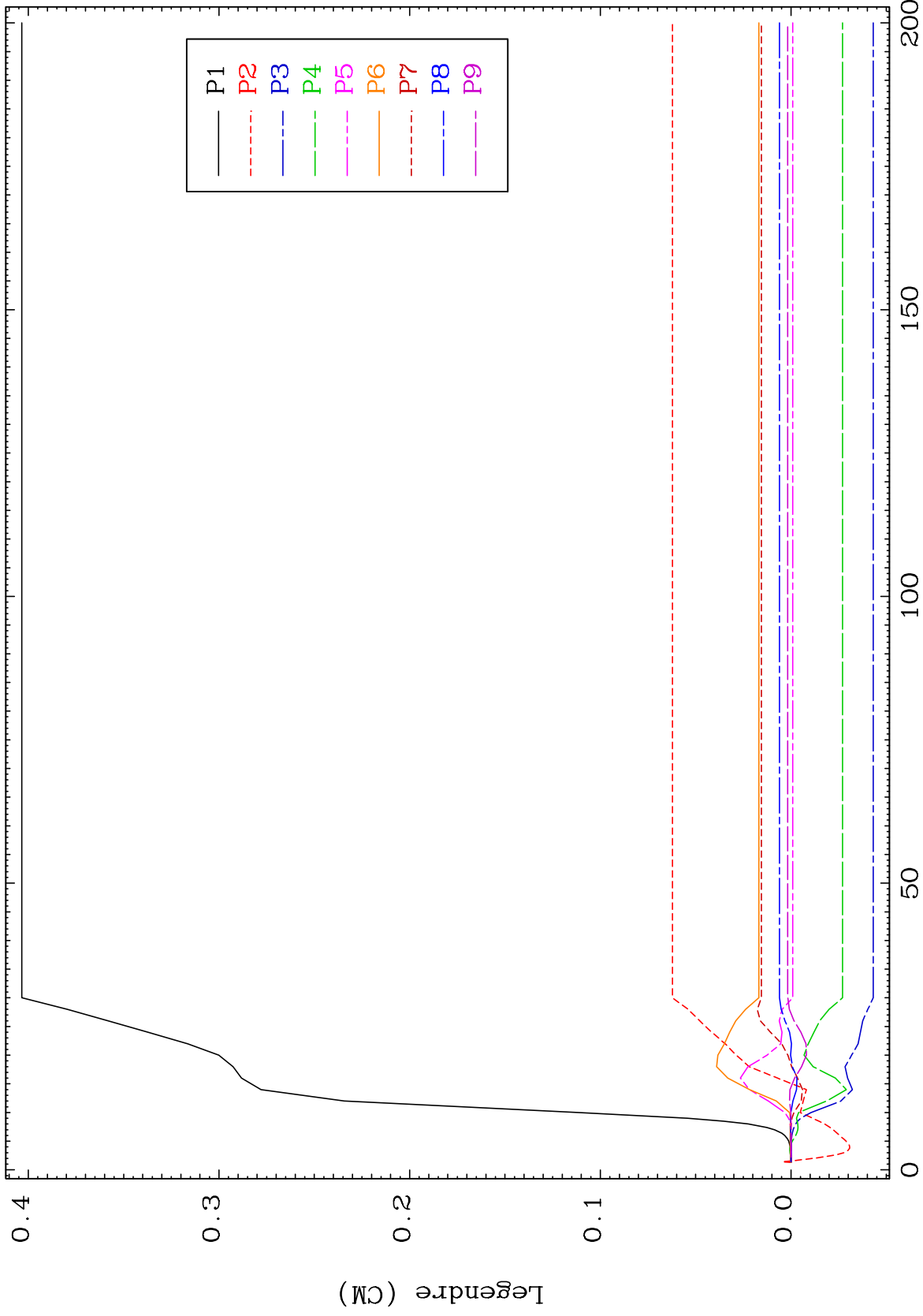
43-Tc-95



MAT 4313

1.276 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



74

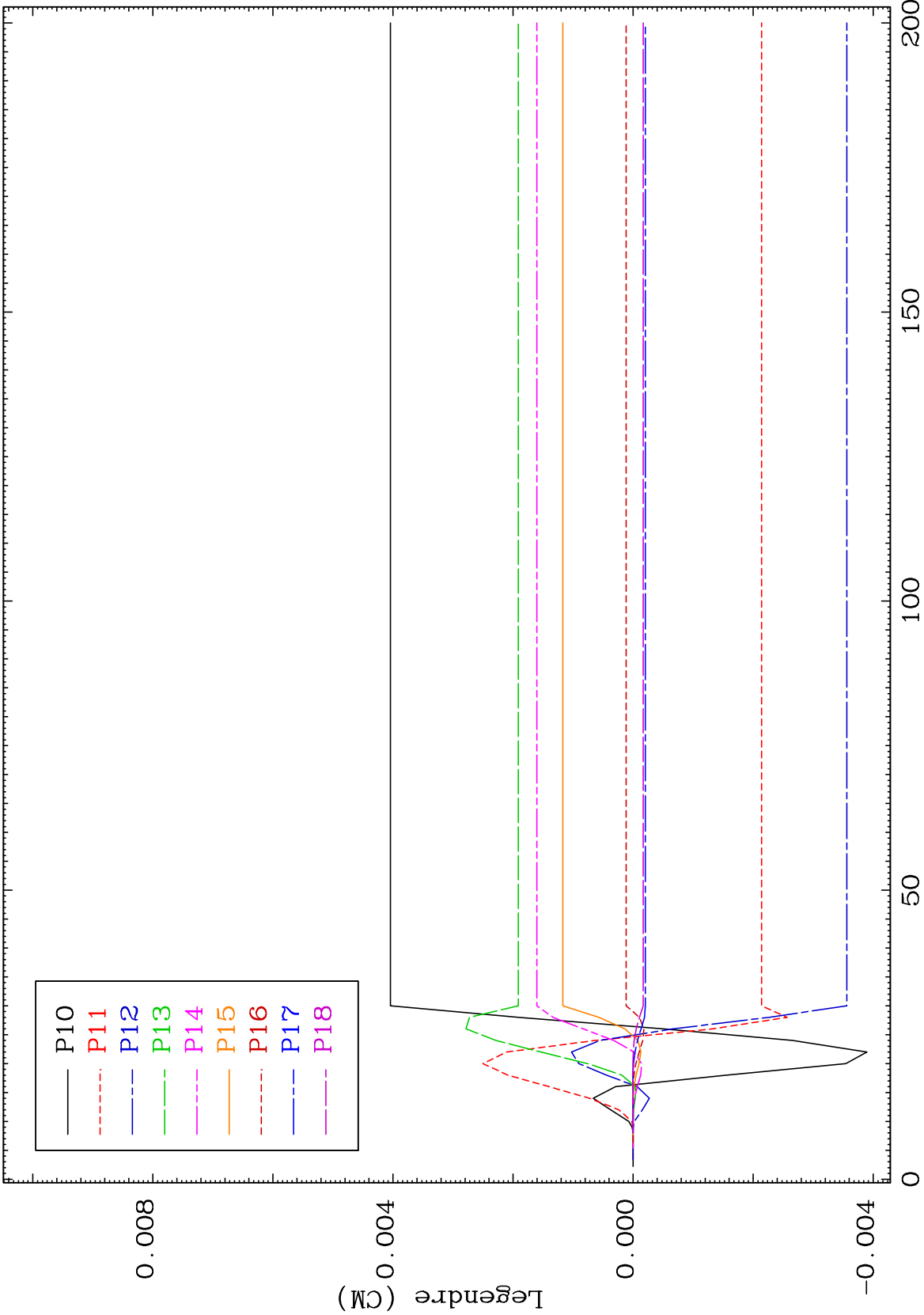
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.276 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



75

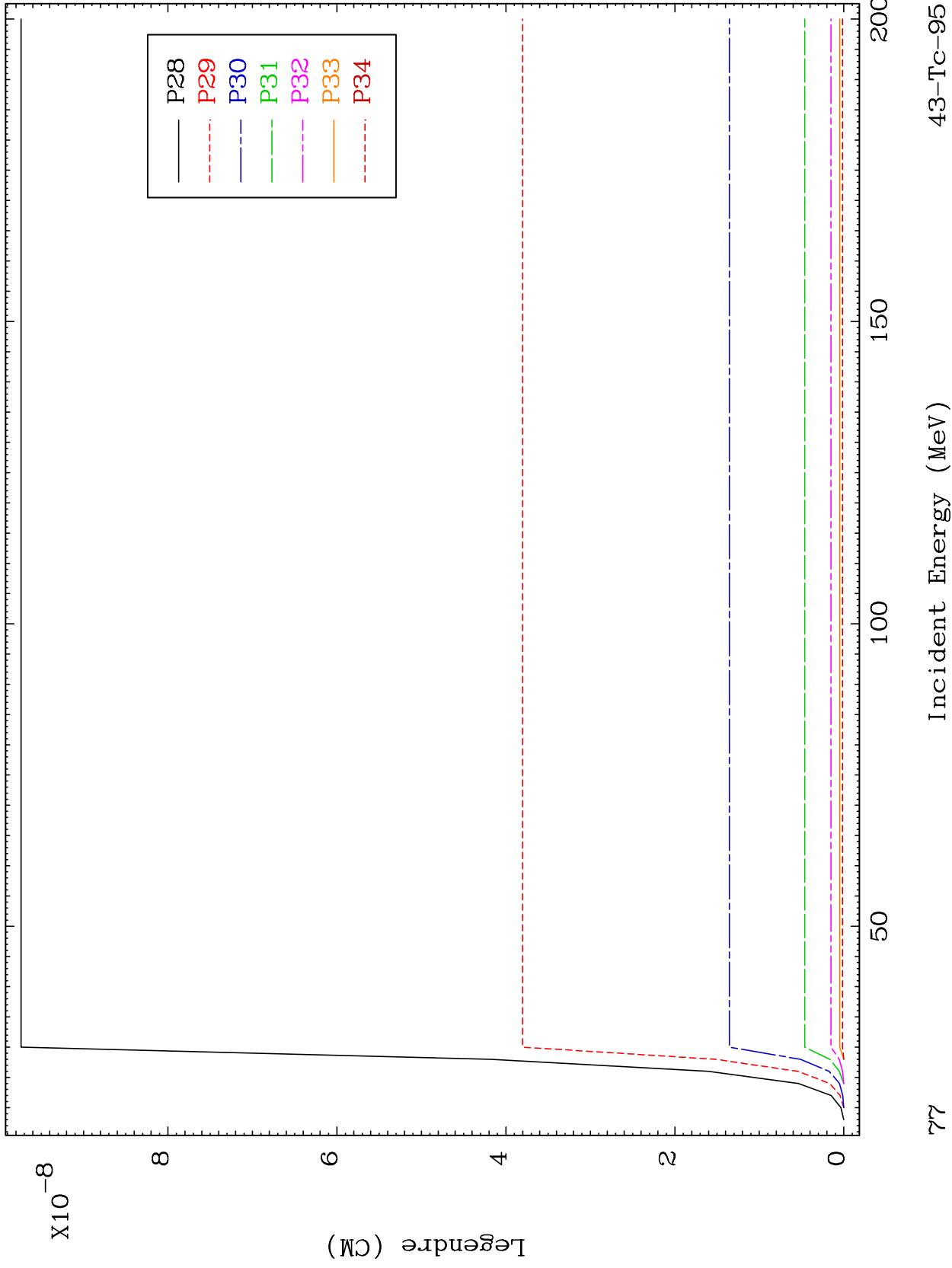
Incident Energy (MeV)

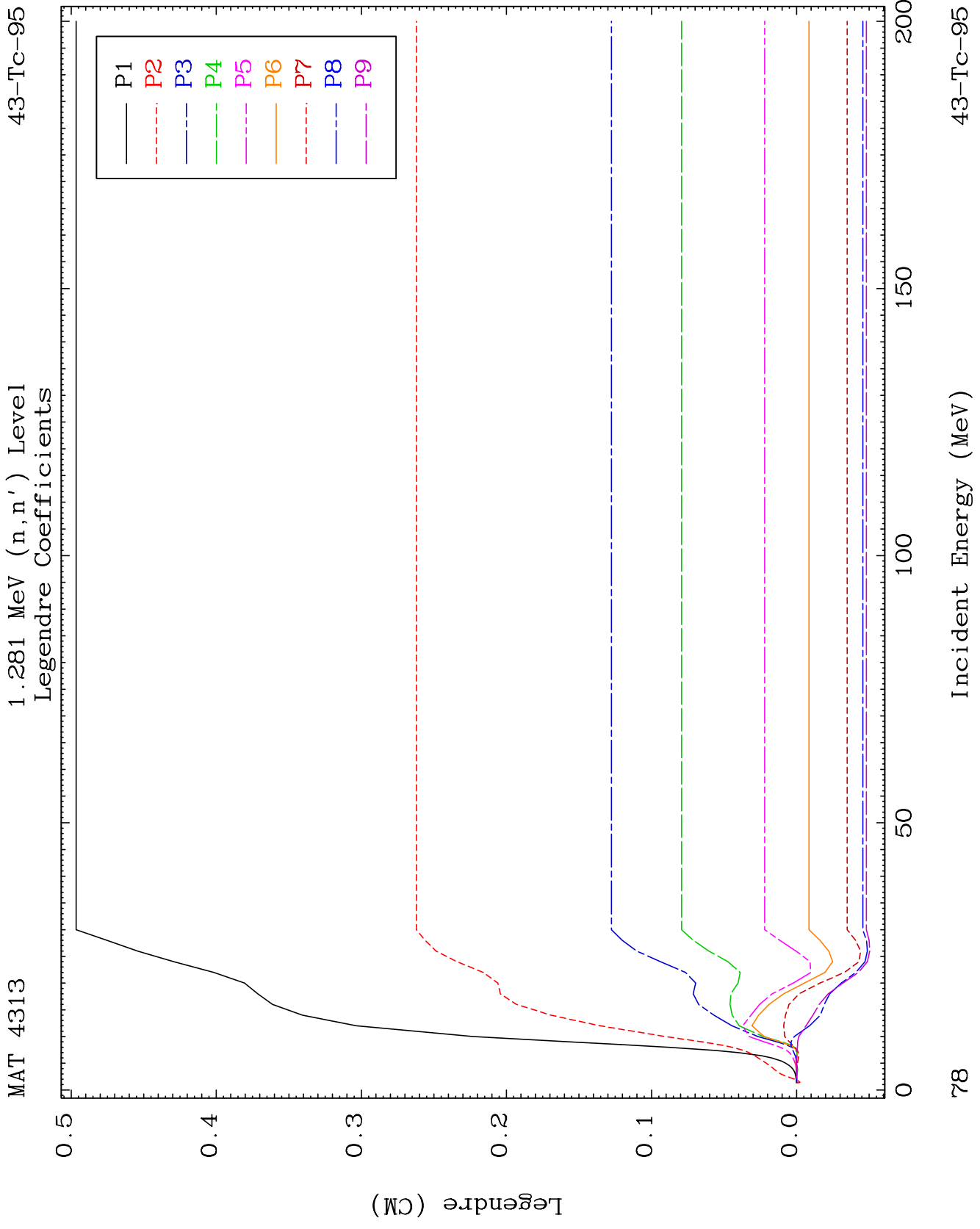
43-Tc-95

MAT 4313

1.276 MeV (n,n') Level
Legendre Coefficients

43-Tc-95

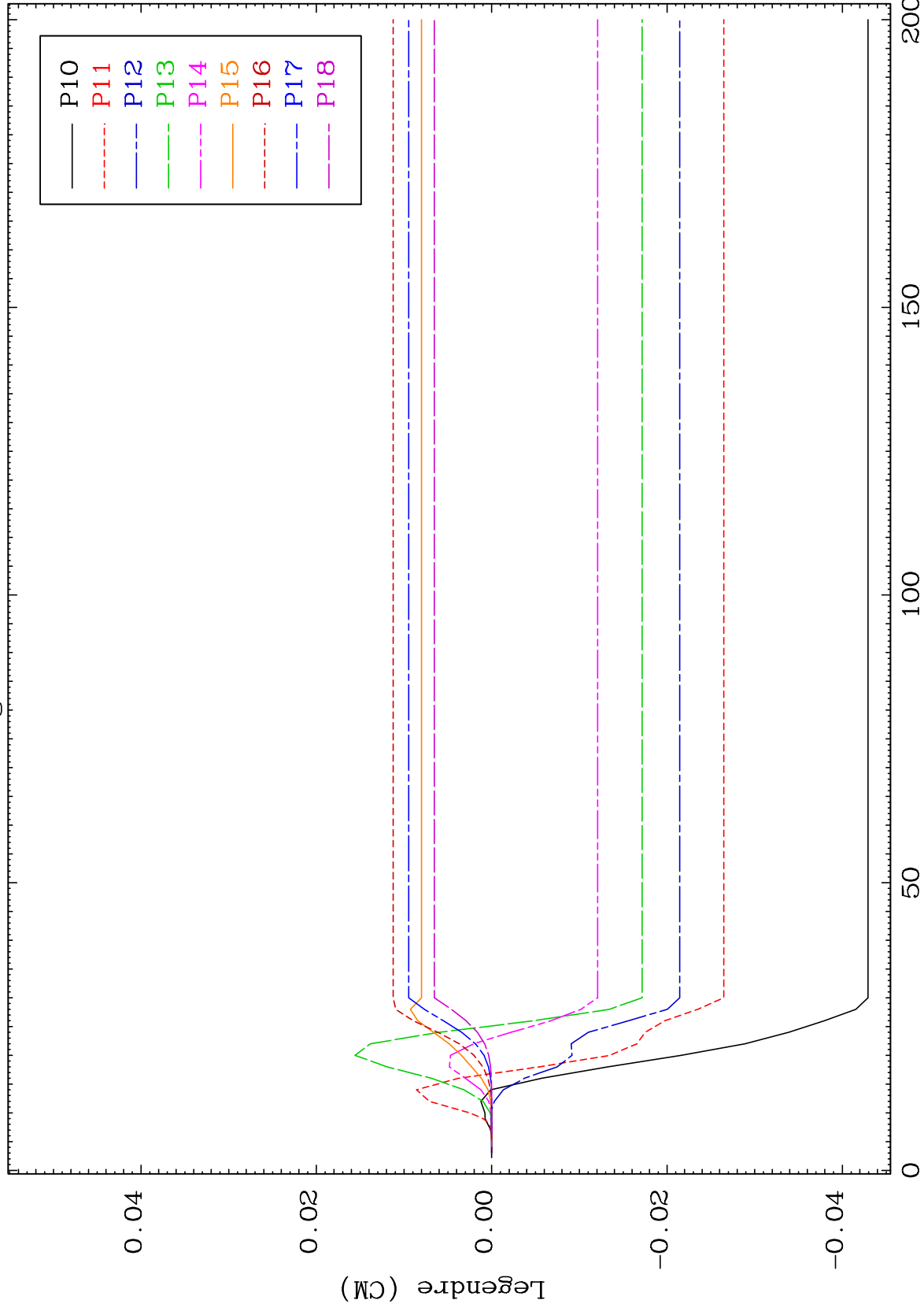




MAT 4313

1.281 MeV (n,n') Level
Legendre Coefficients

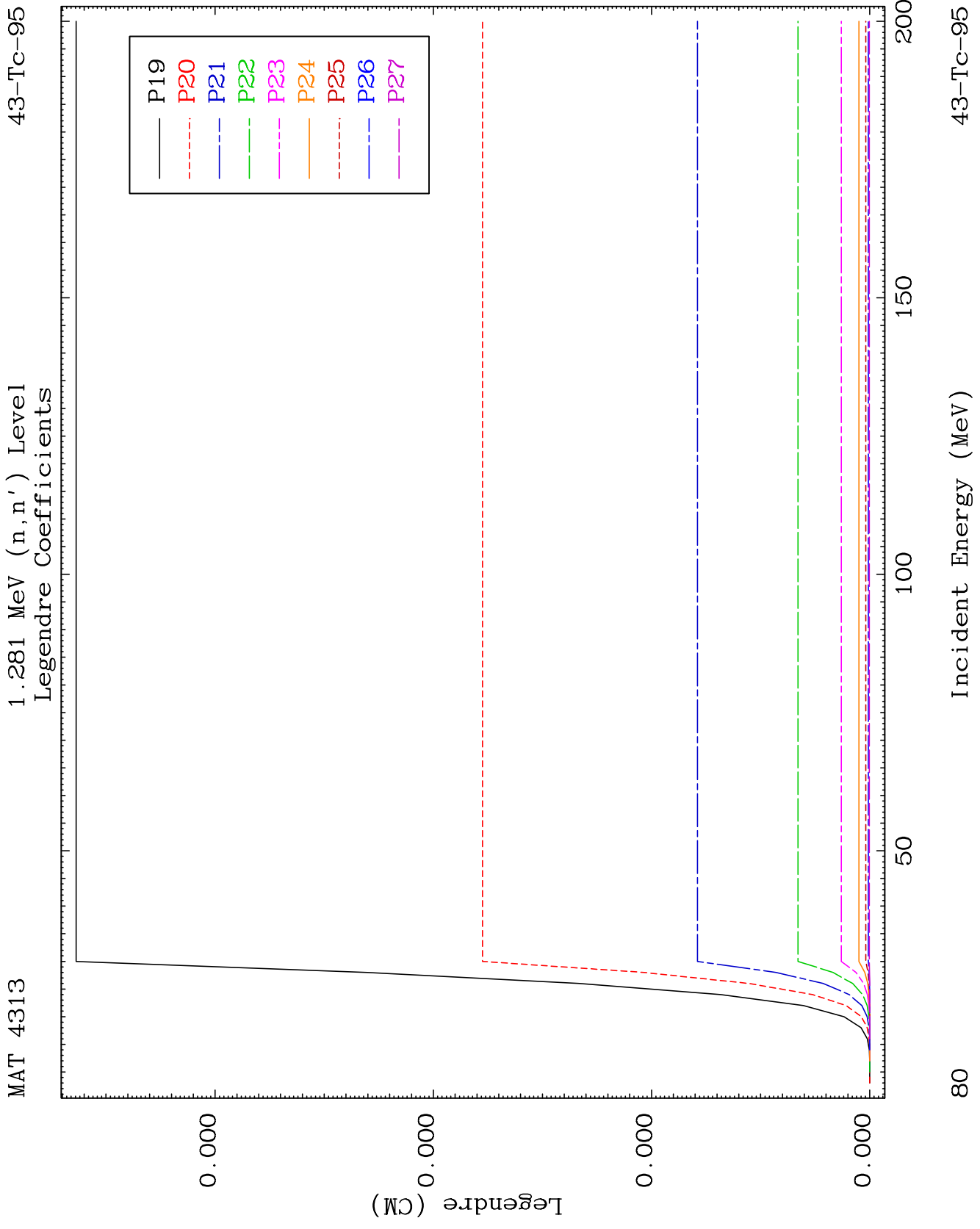
43-Tc-95



79

Incident Energy (MeV)

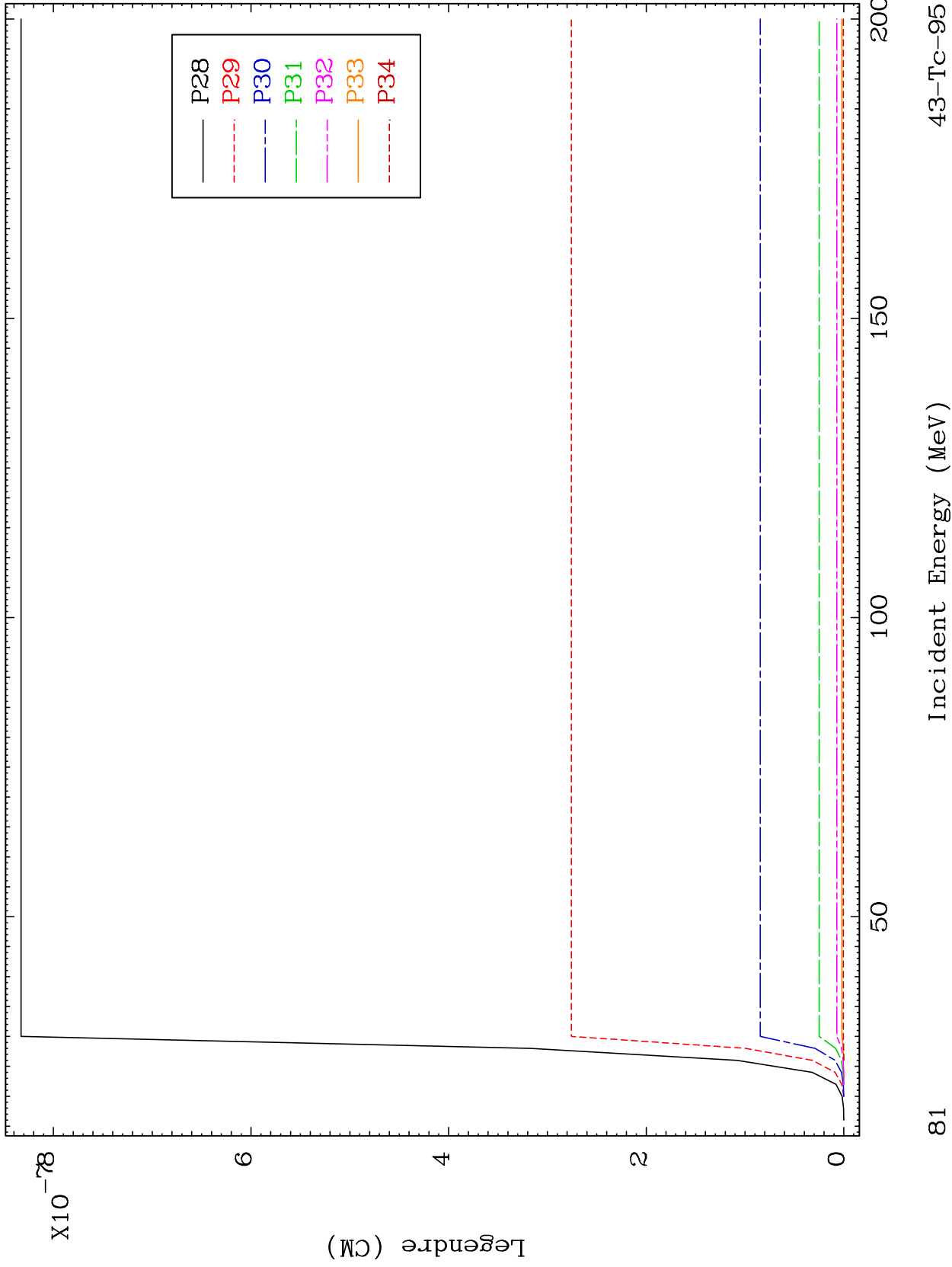
43-Tc-95

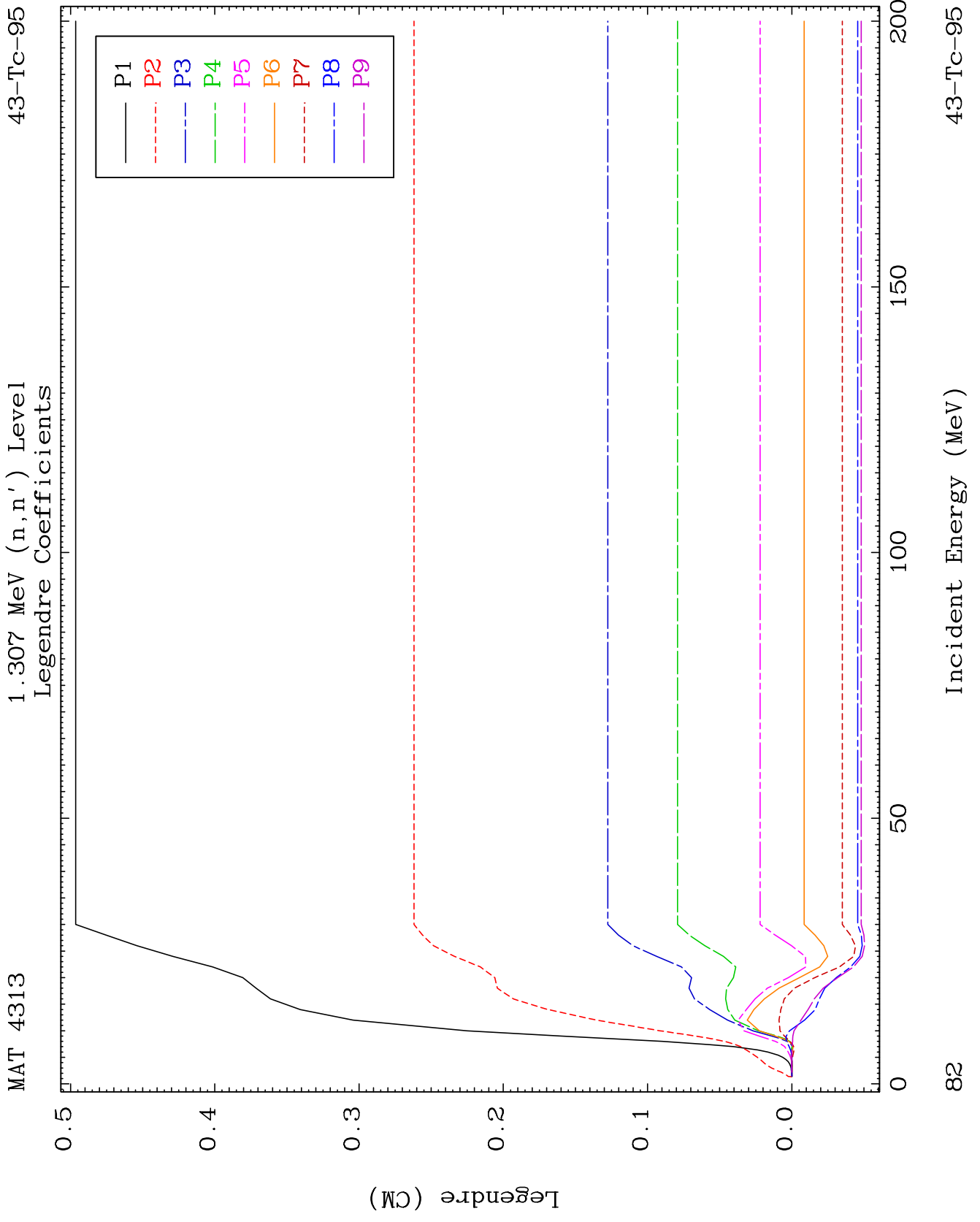


MAT 4313

1.281 MeV (n,n') Level
Legendre Coefficients

43-Tc-95

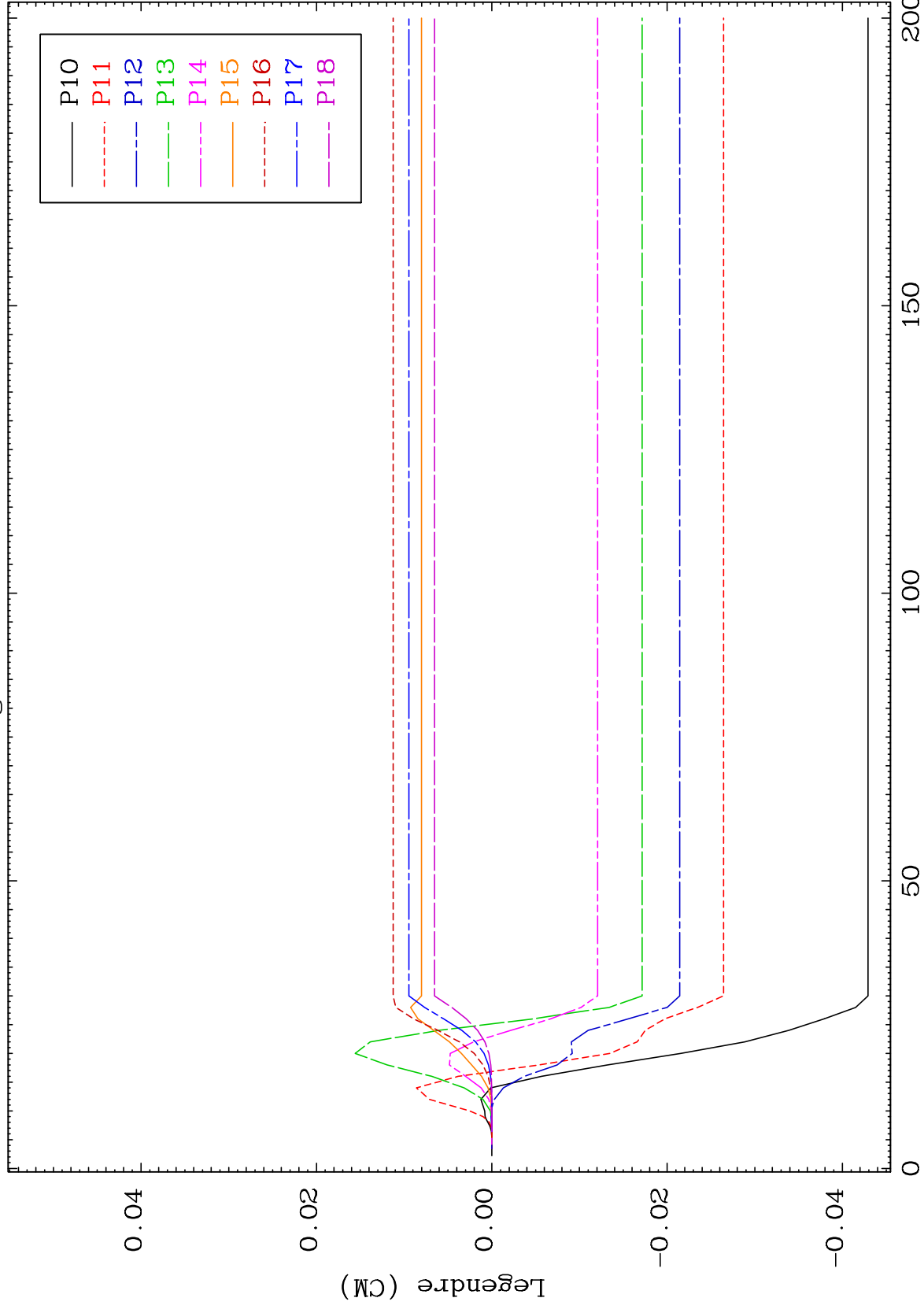




MAT 4313

1.307 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



83

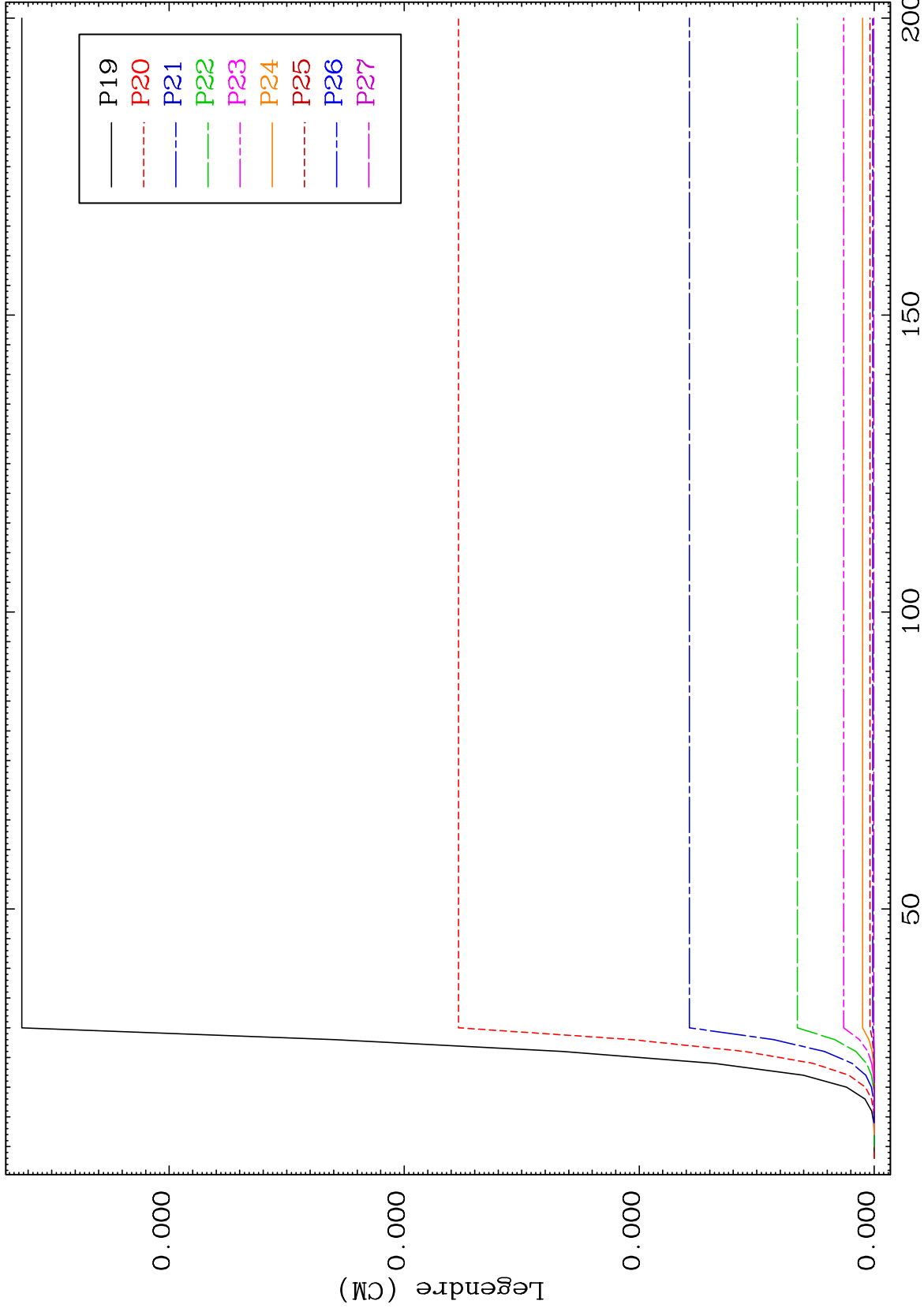
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.307 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



84

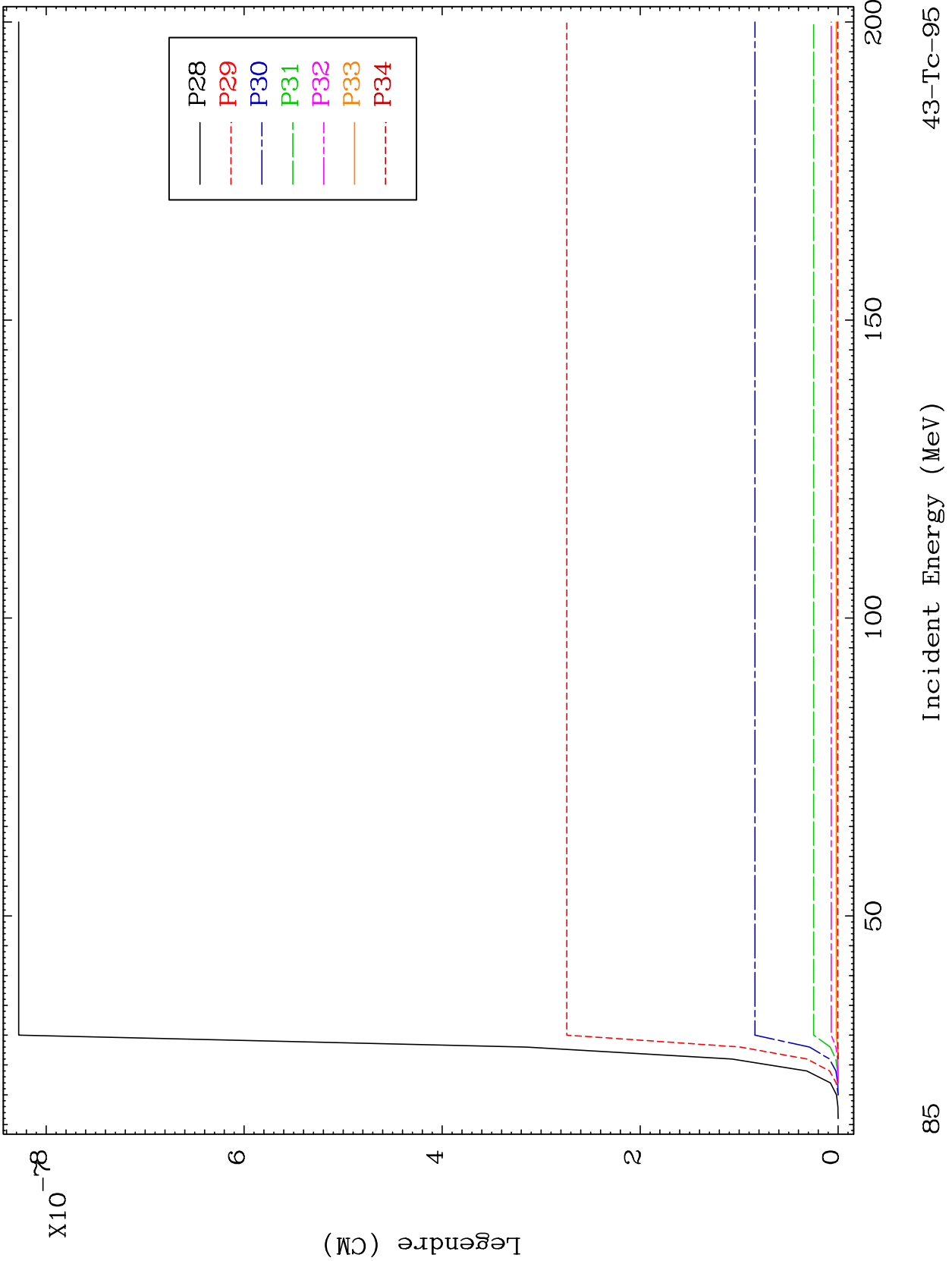
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.307 MeV (n,n') Level
Legendre Coefficients

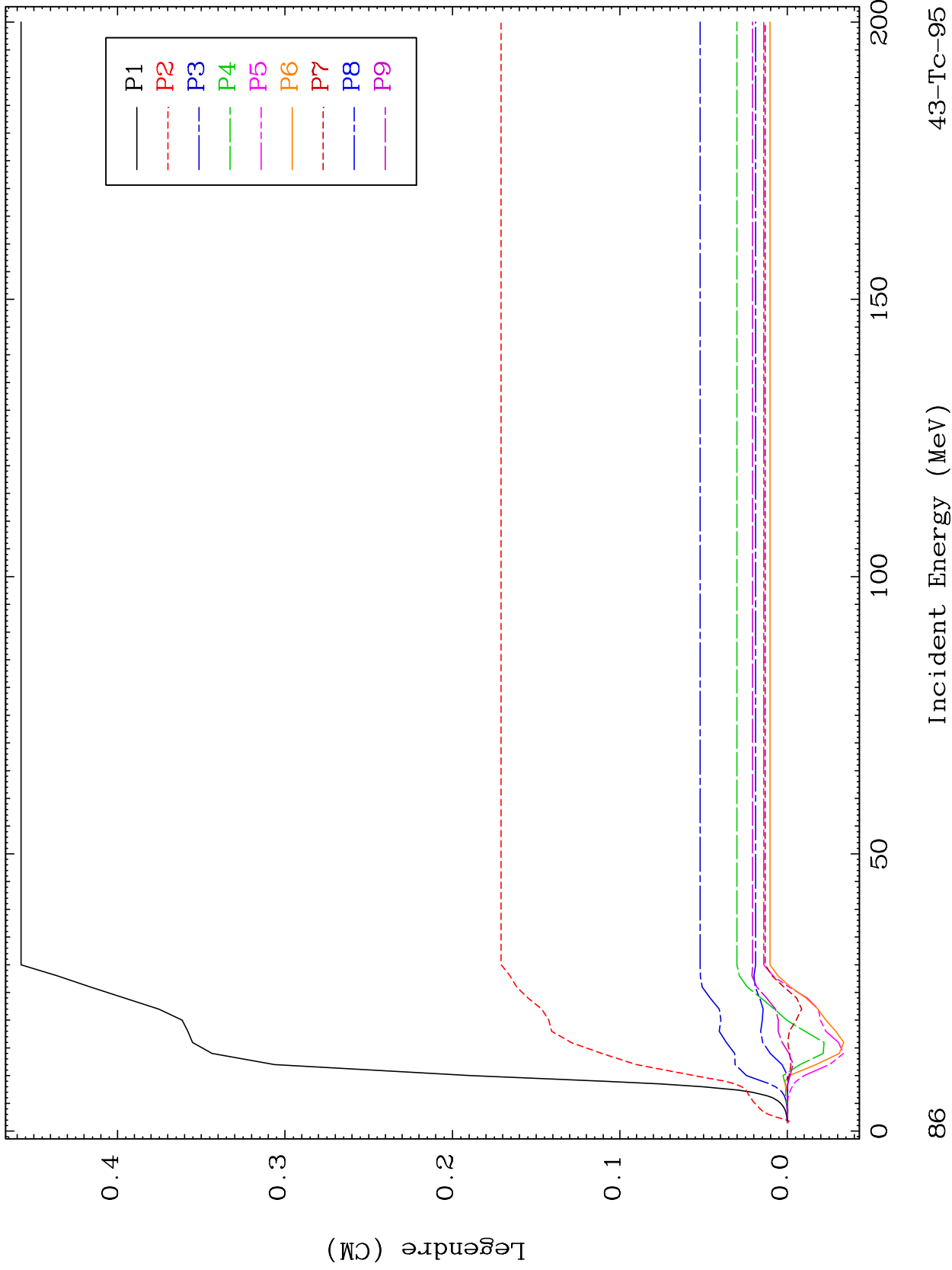
43-Tc-95



MAT 4313

1.408 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



43-Tc-95

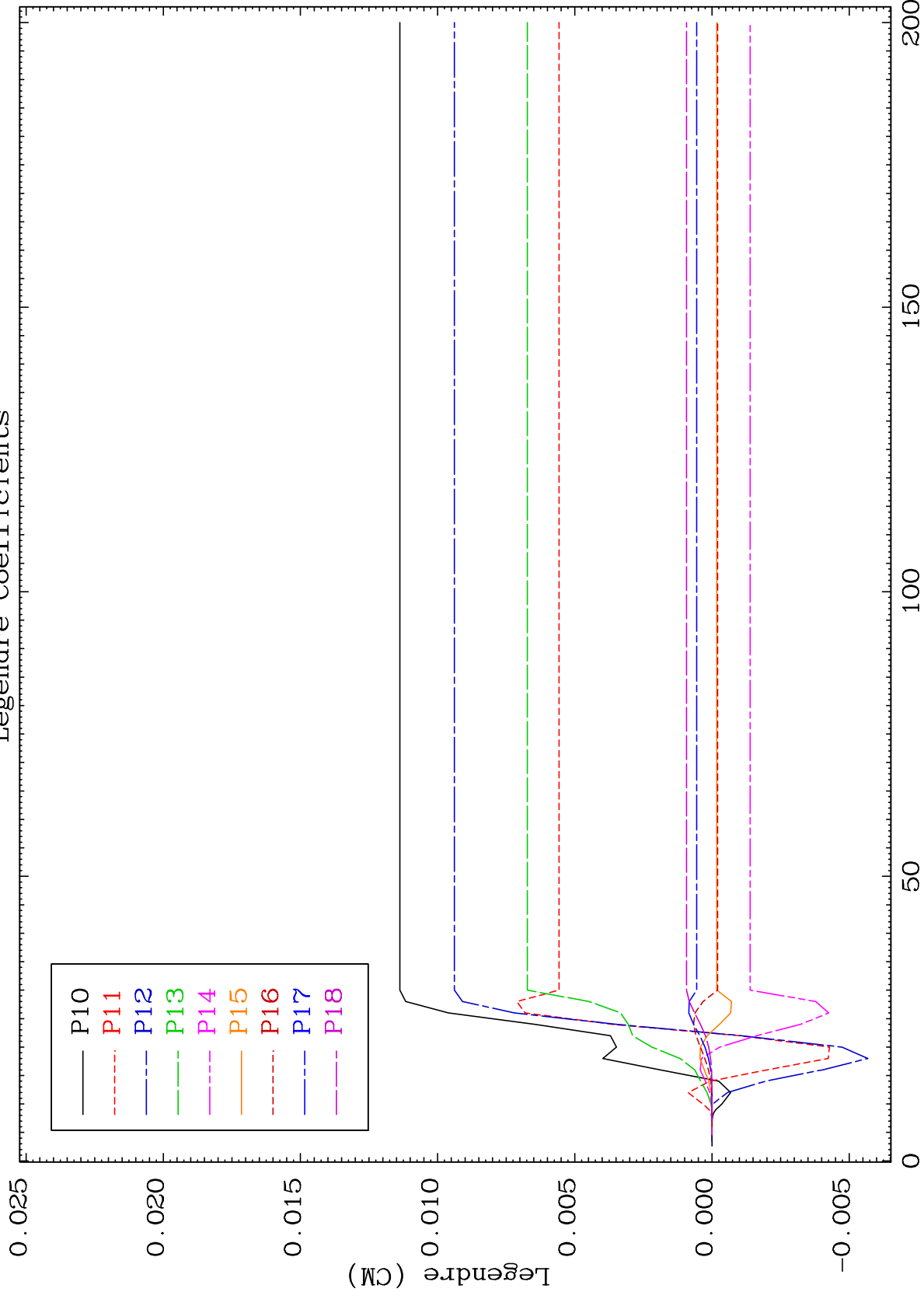
Incident Energy (MeV)

86

MAT 4313

1.408 MeV (n,n') Level
Legendre Coefficients

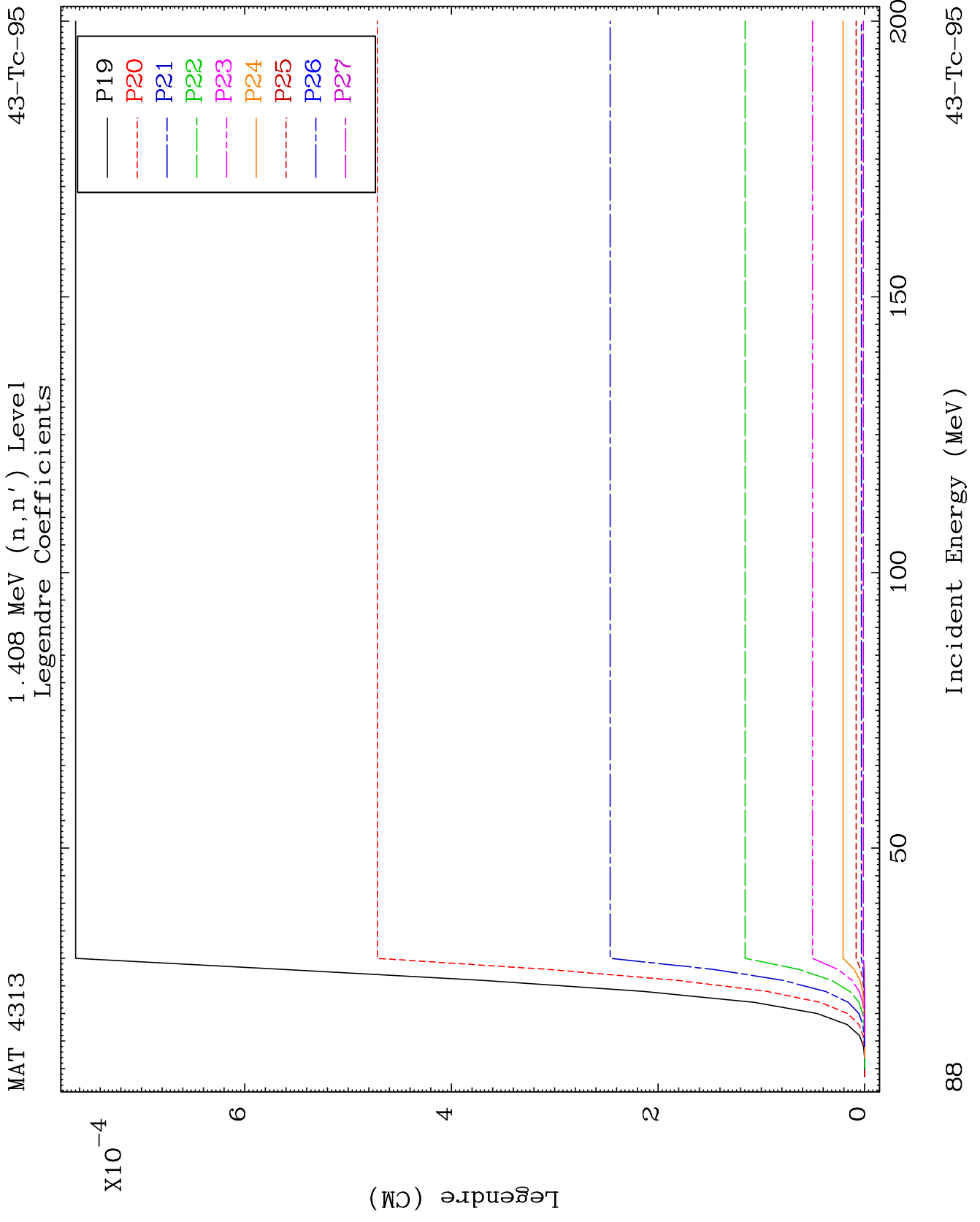
43-Tc-95

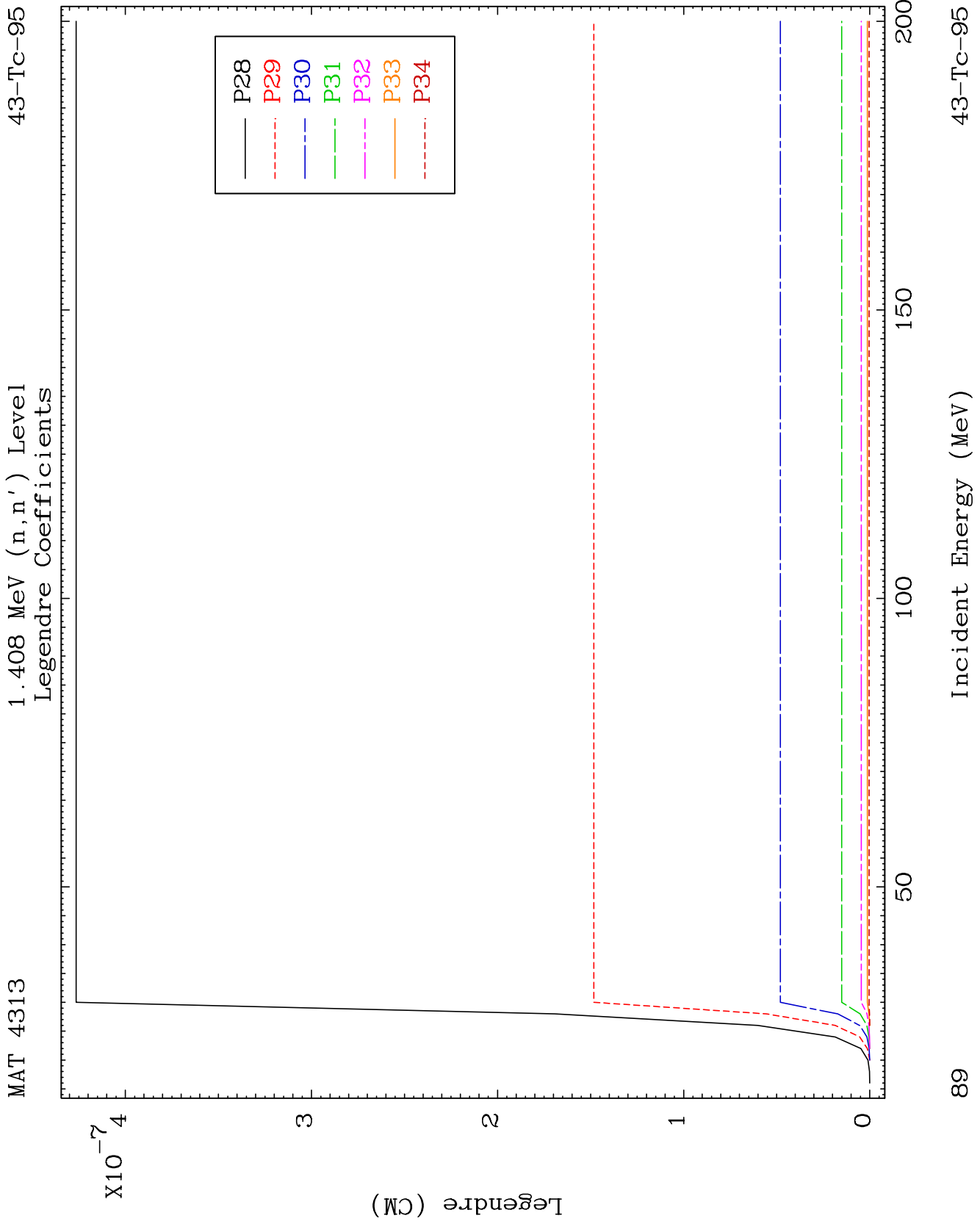


87

Incident Energy (MeV)

43-Tc-95

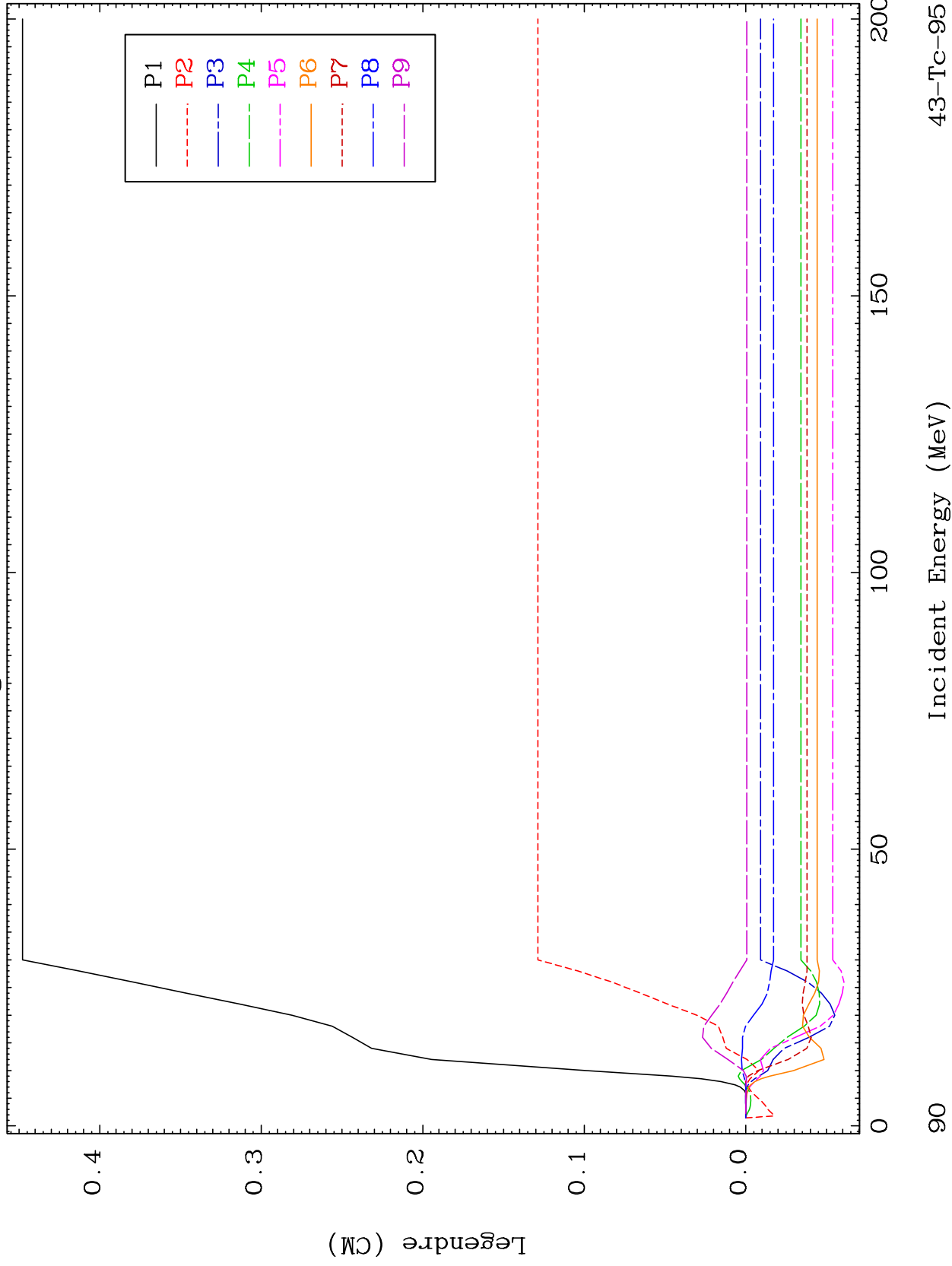




MAT 4313

1.416 MeV (n,n') Level
Legendre Coefficients

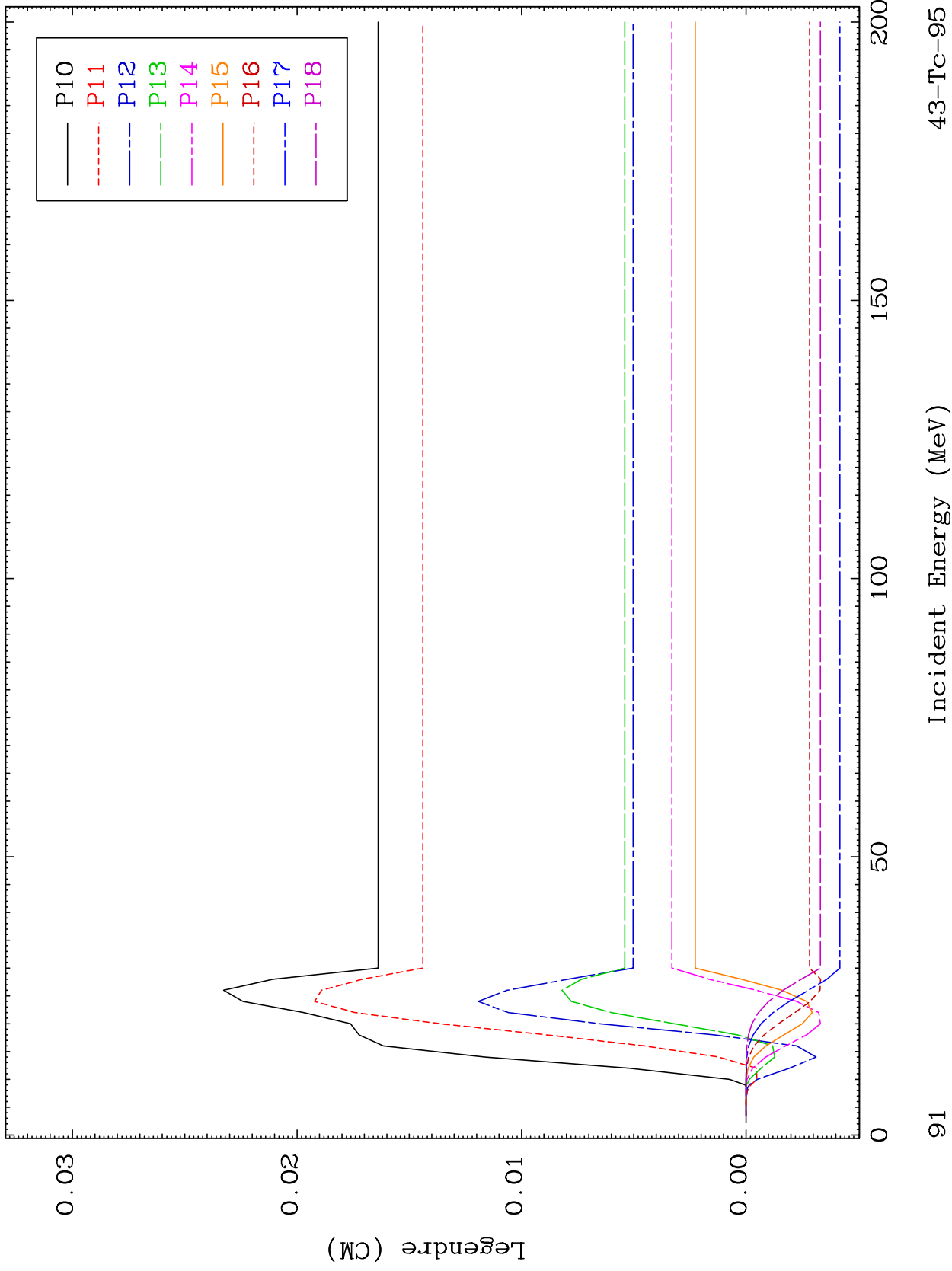
43-Tc-95



MAT 4313

1.416 MeV (n,n') Level
Legendre Coefficients

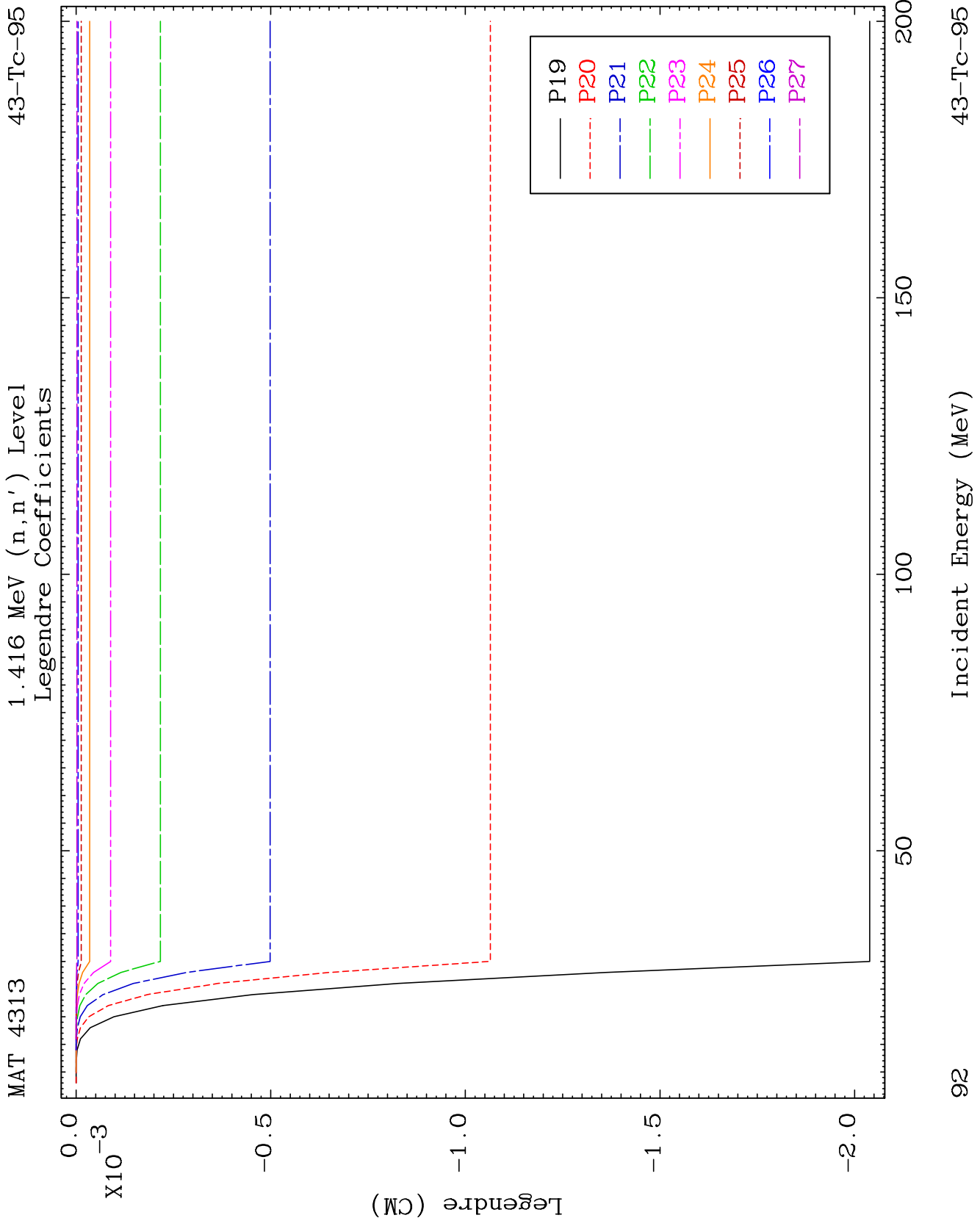
43-Tc-95

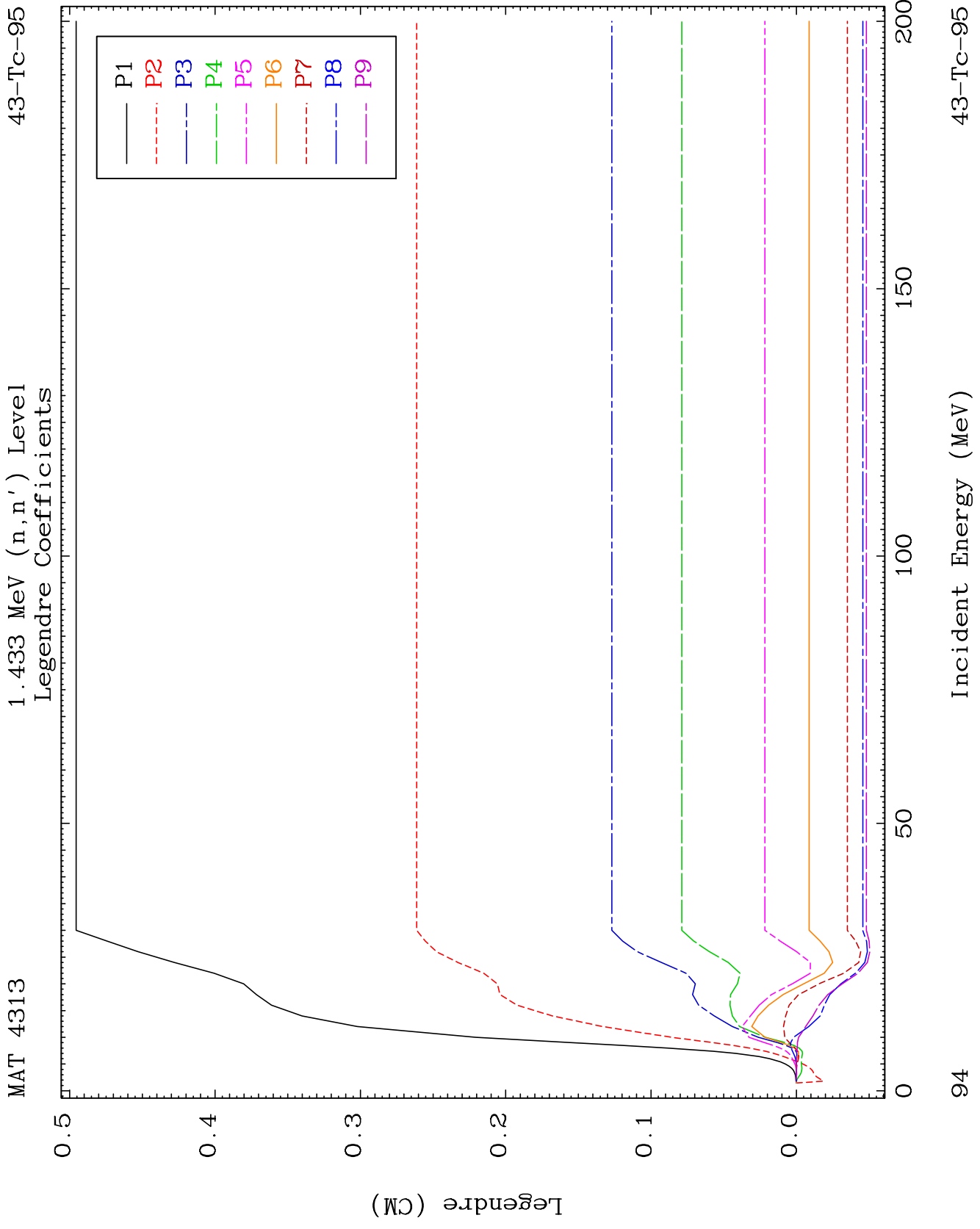


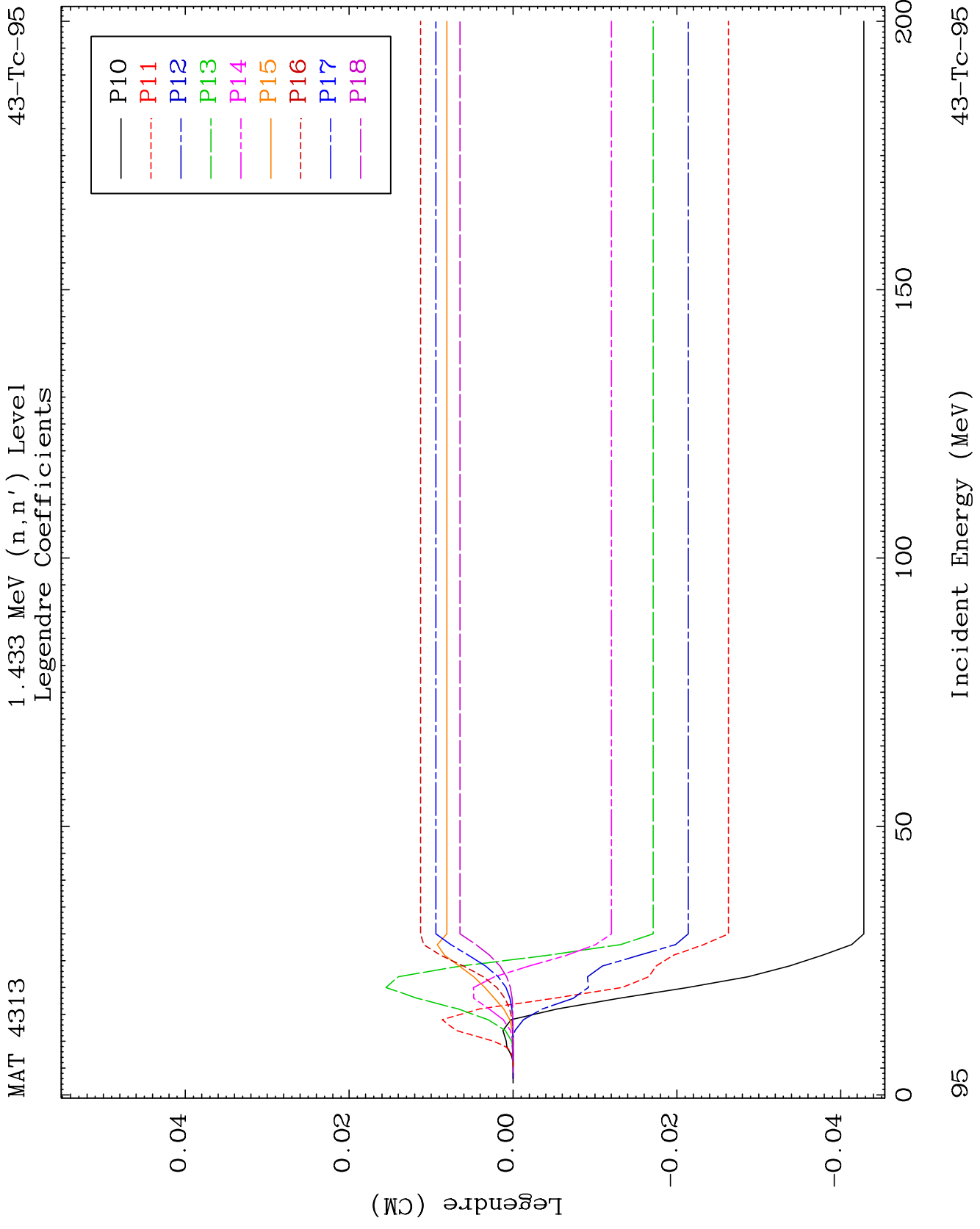
91

Incident Energy (MeV)

43-Tc-95



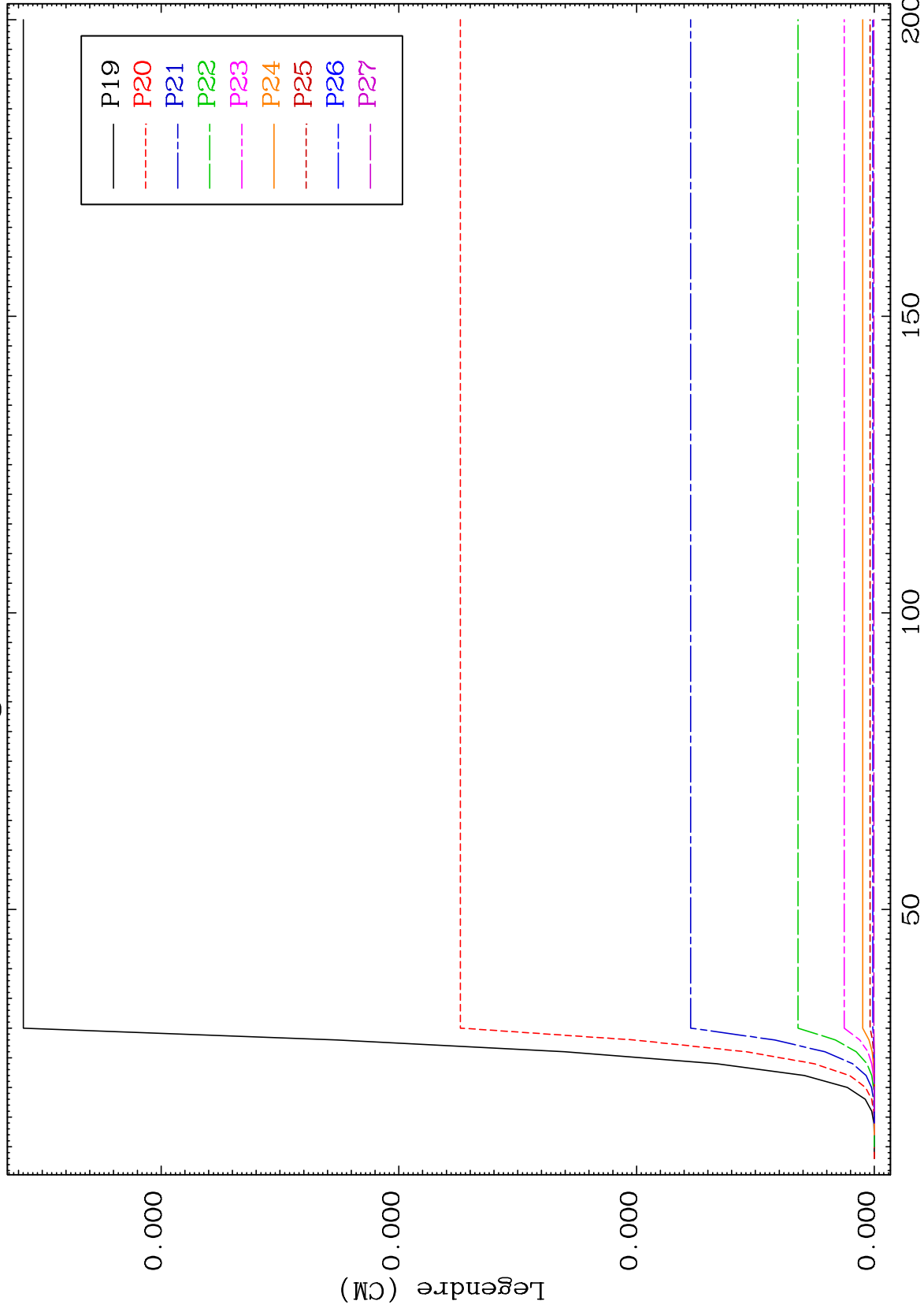




MAT 4313

1.433 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



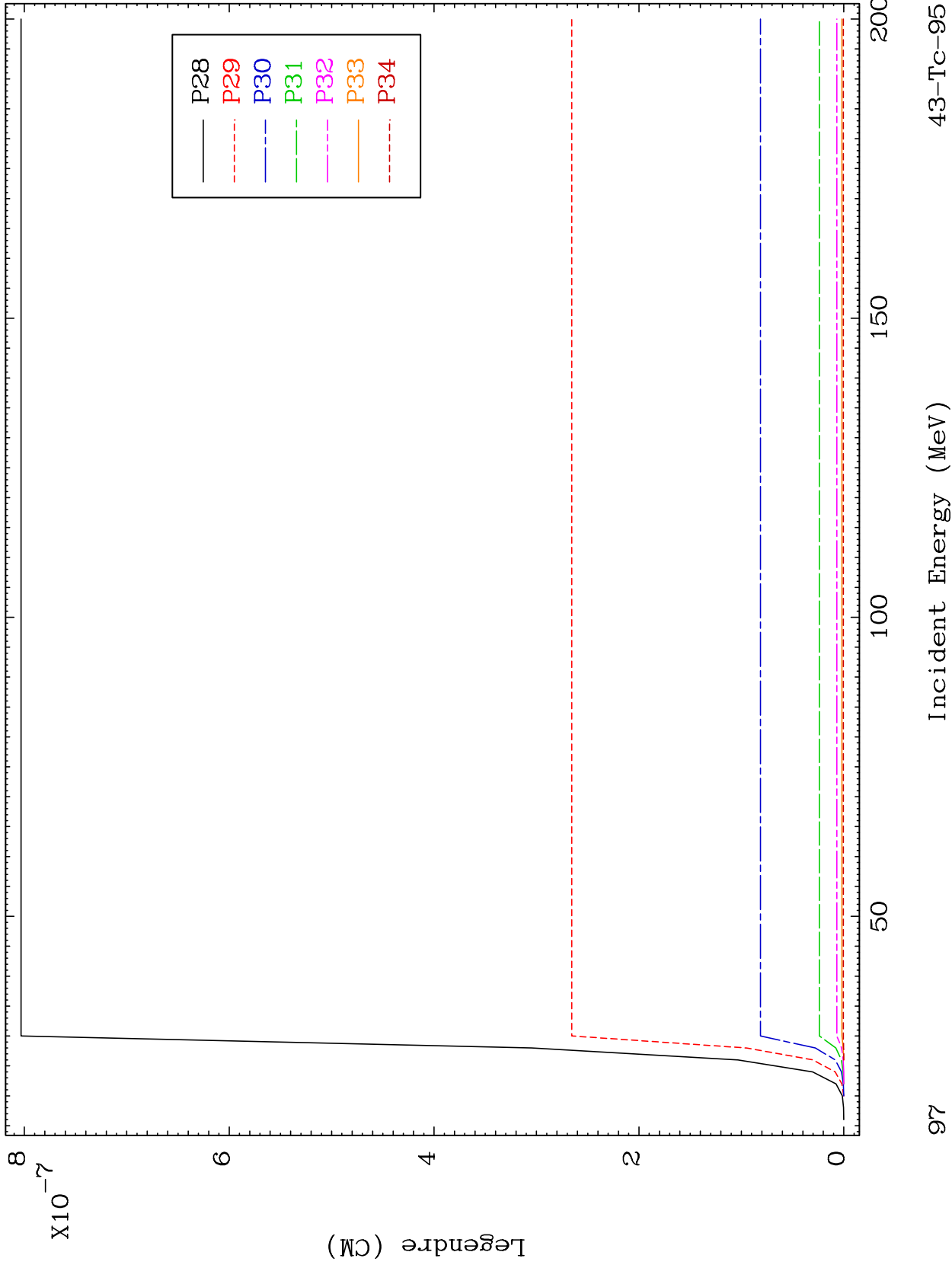
96

43-Tc-95

MAT 4313

1.433 MeV (n,n') Level
Legendre Coefficients

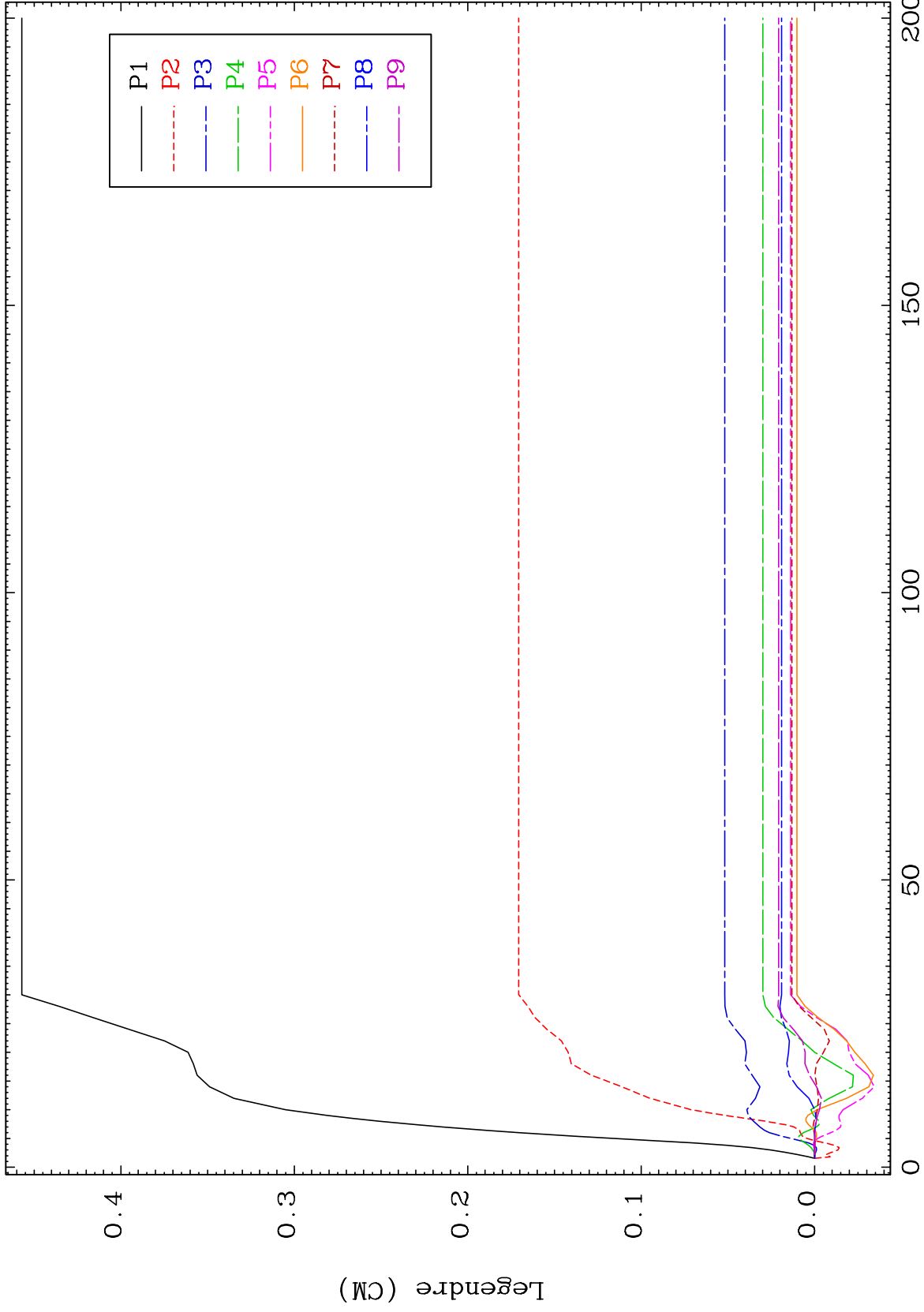
43-Tc-95



MAT 4313

1.515 MeV (n,n') Level
Legendre Coefficients

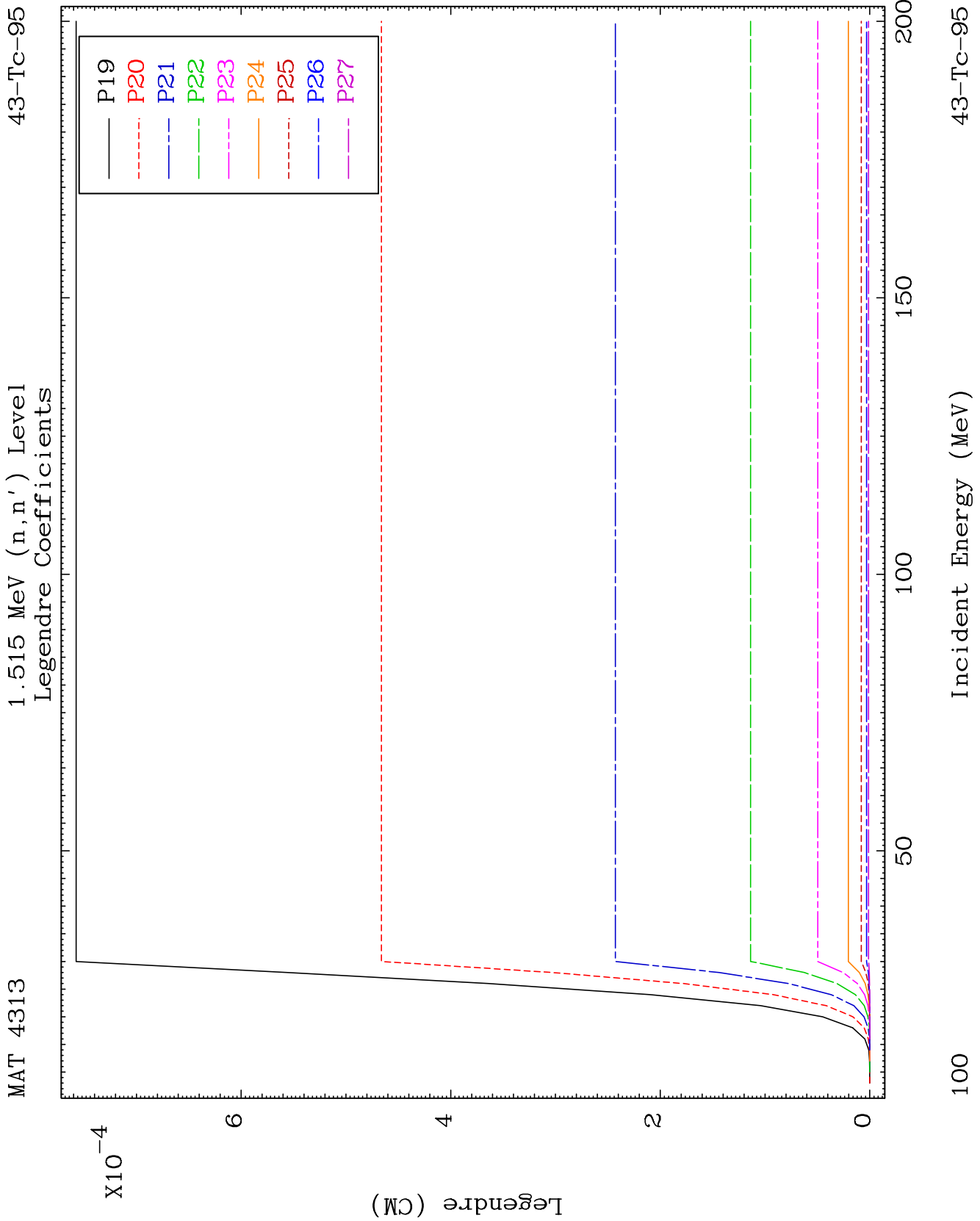
43-Tc-95

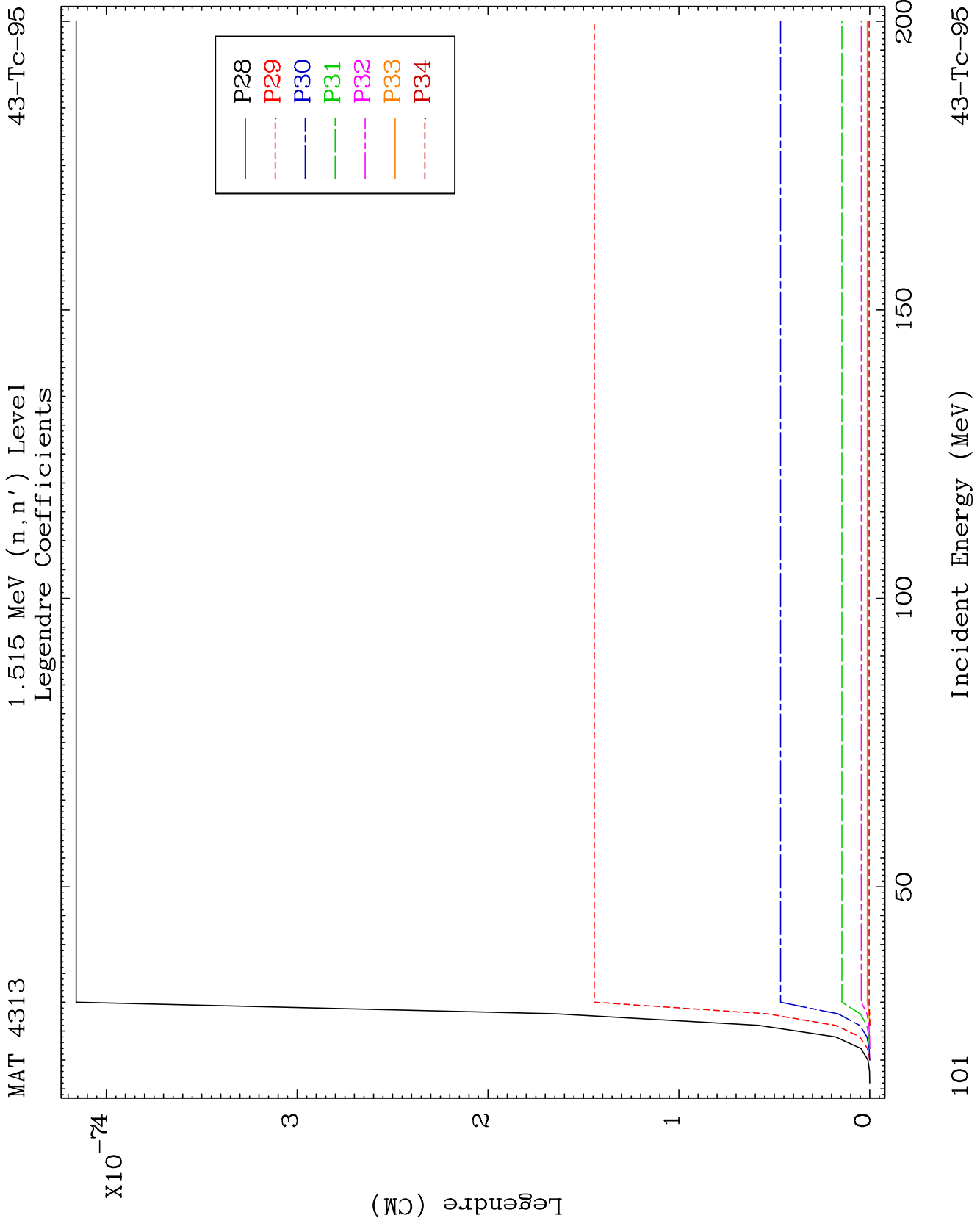


98

Incident Energy (MeV)

43-Tc-95

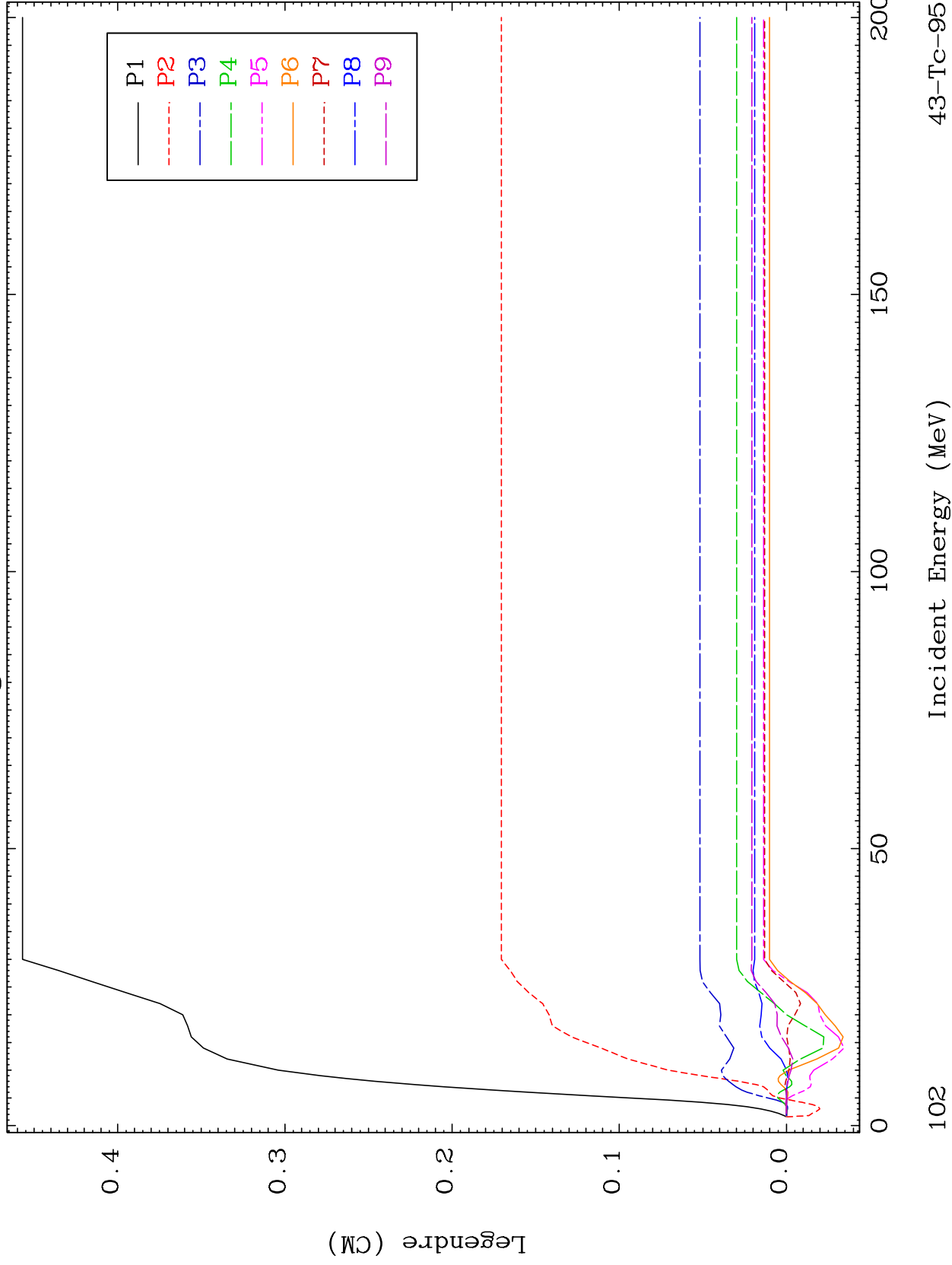




MAT 4313

1.549 MeV (n,n') Level
Legendre Coefficients

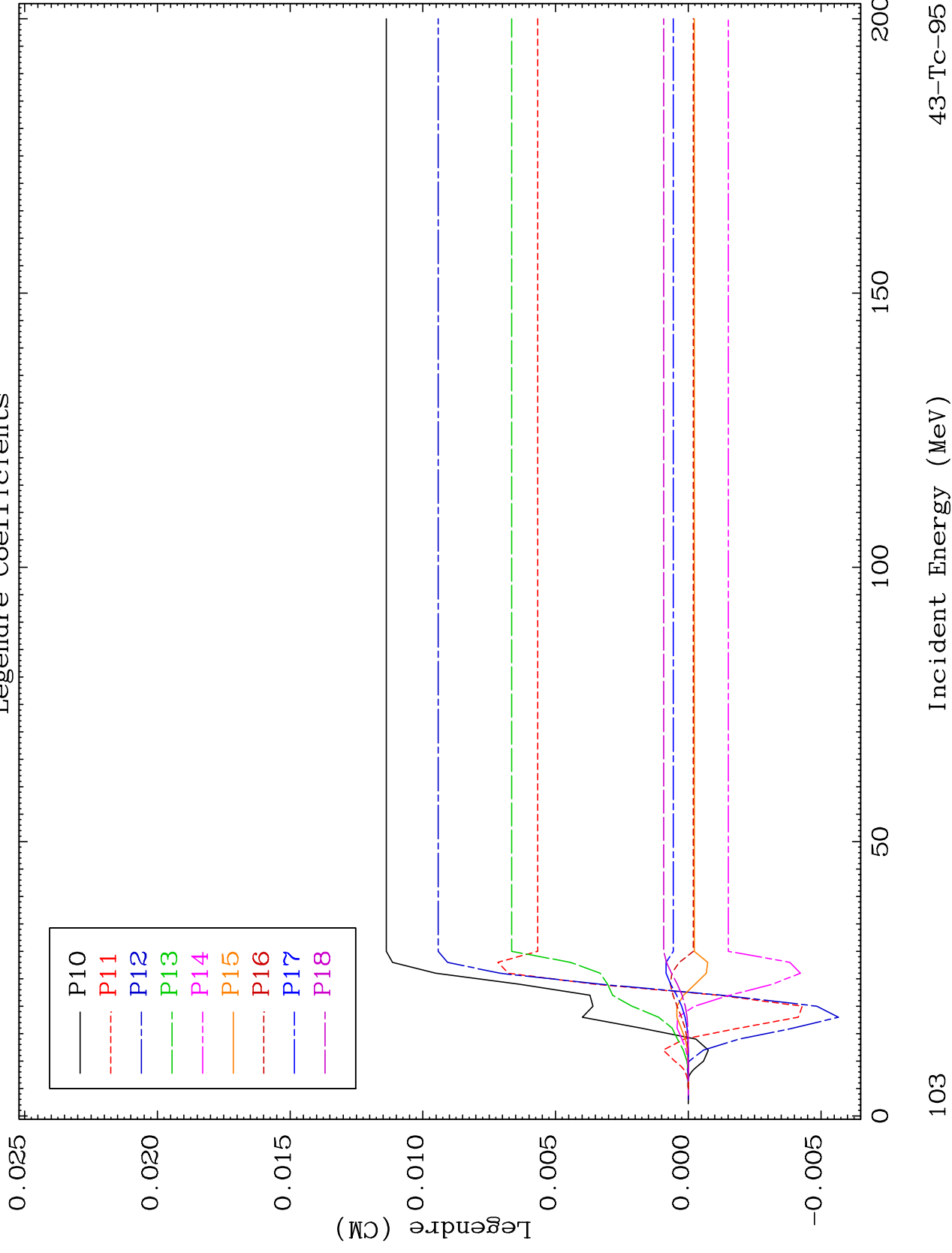
43-Tc-95



MAT 4313

1.549 MeV (n,n') Level
Legendre Coefficients

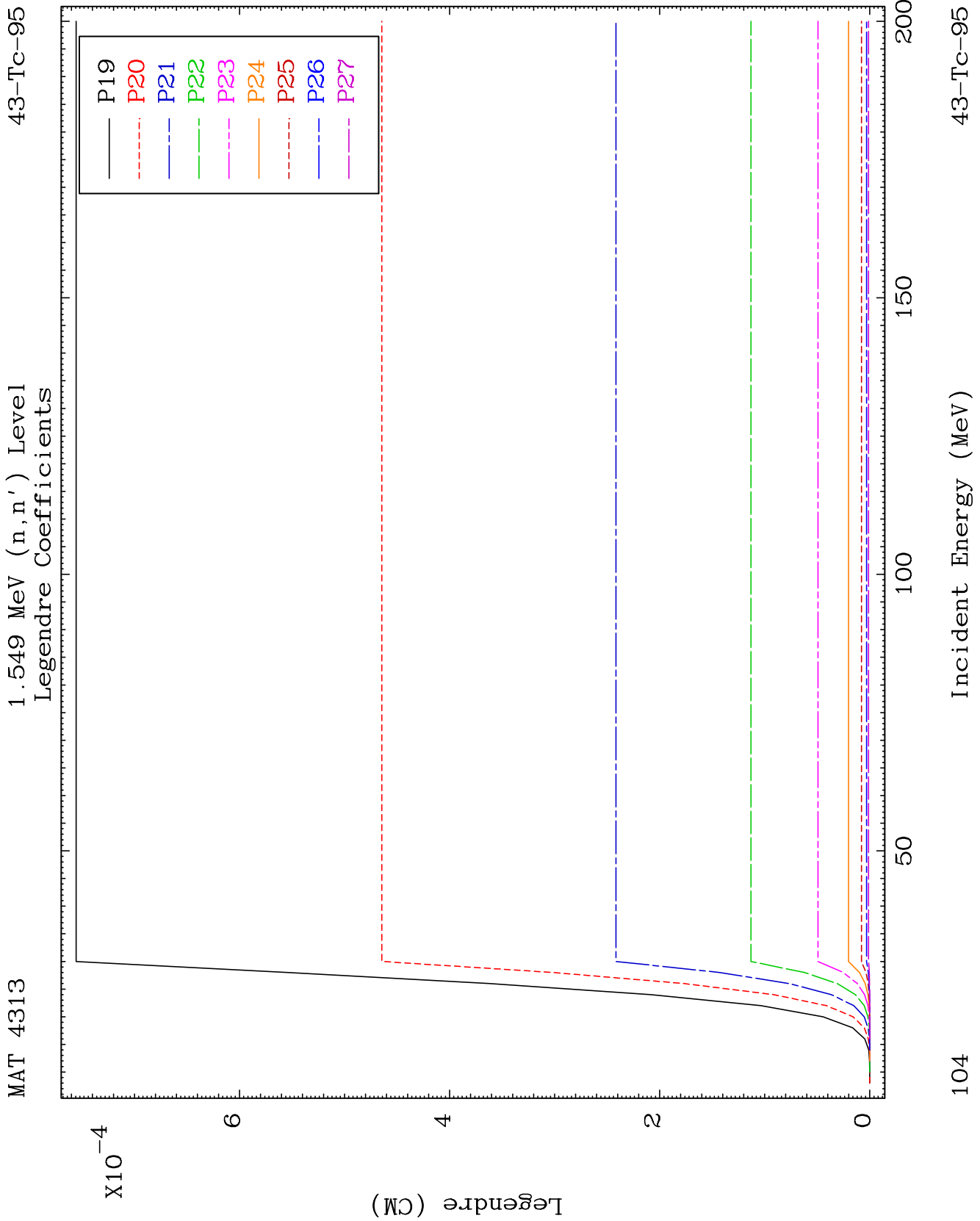
43-Tc-95

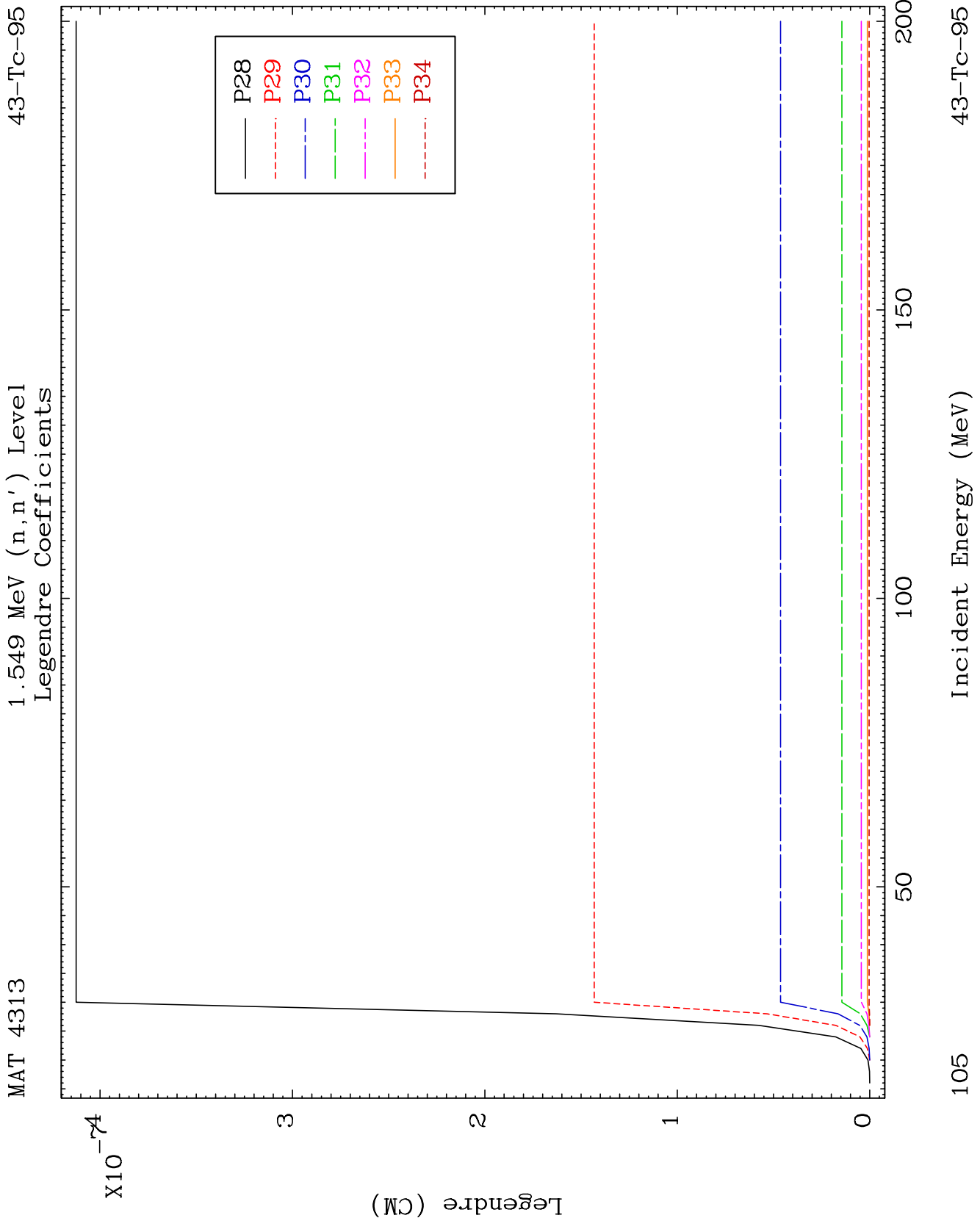


103

Incident Energy (MeV)

43-Tc-95

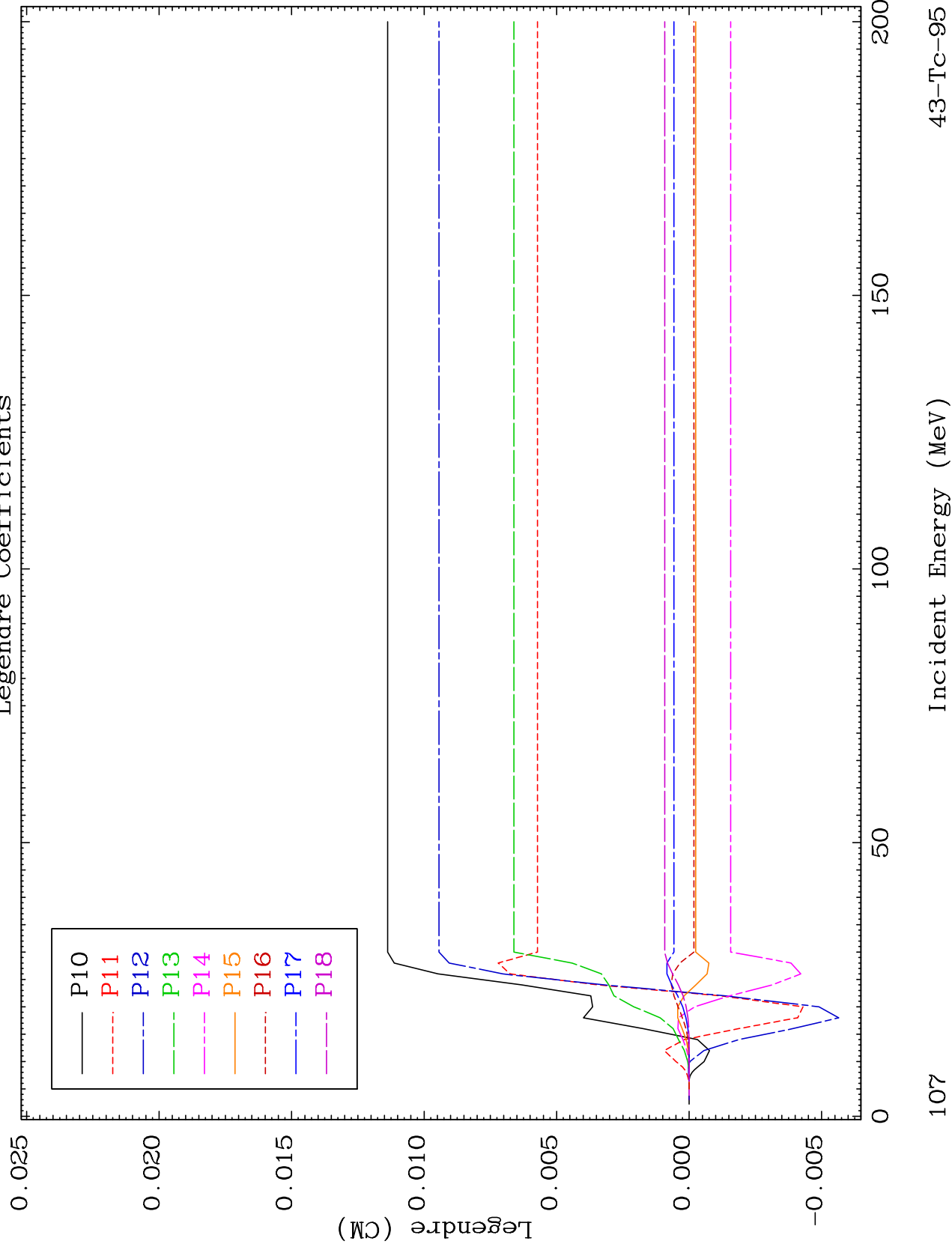




MAT 4313

1.619 MeV (n,n') Level
Legendre Coefficients

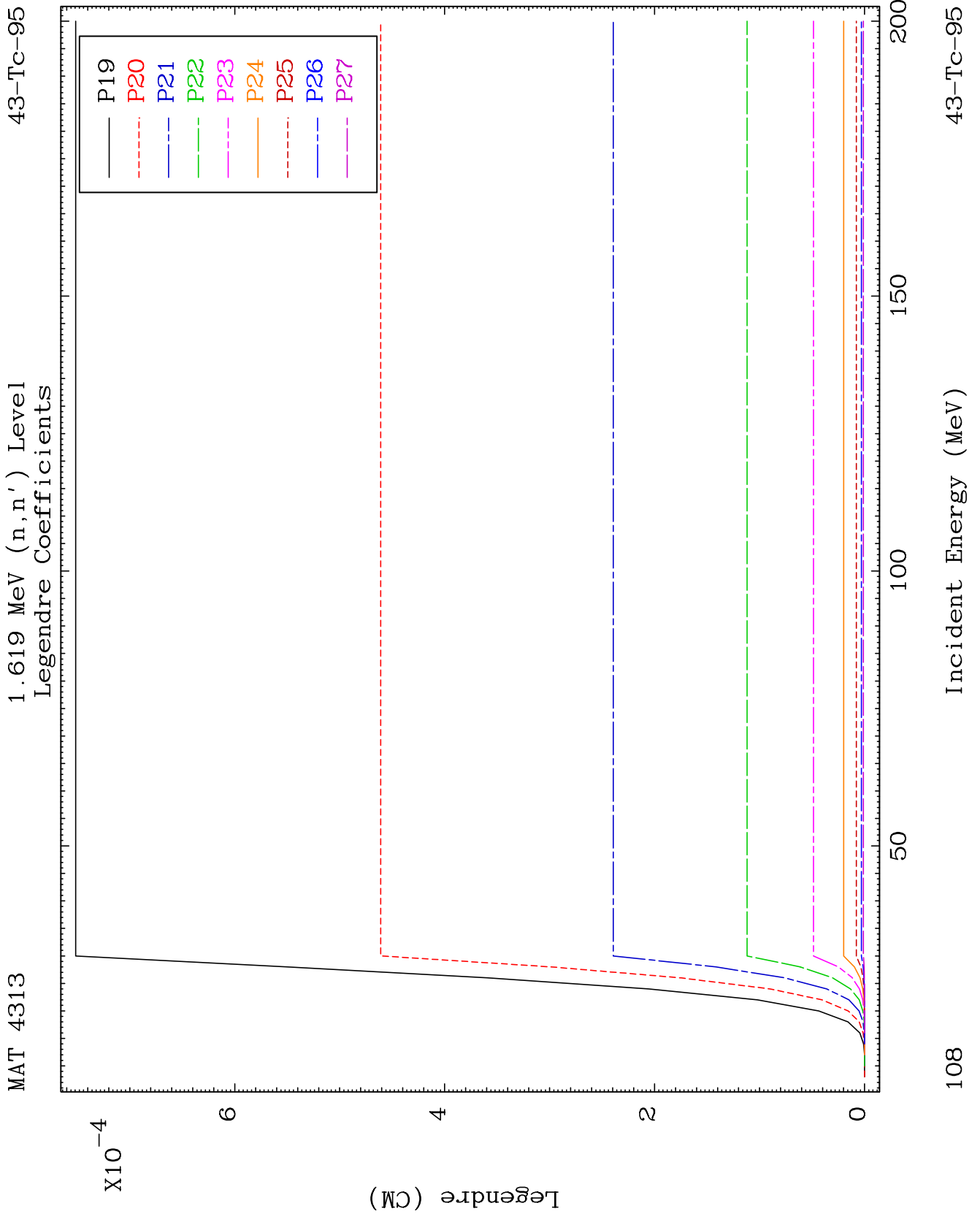
43-Tc-95



107

Incident Energy (MeV)

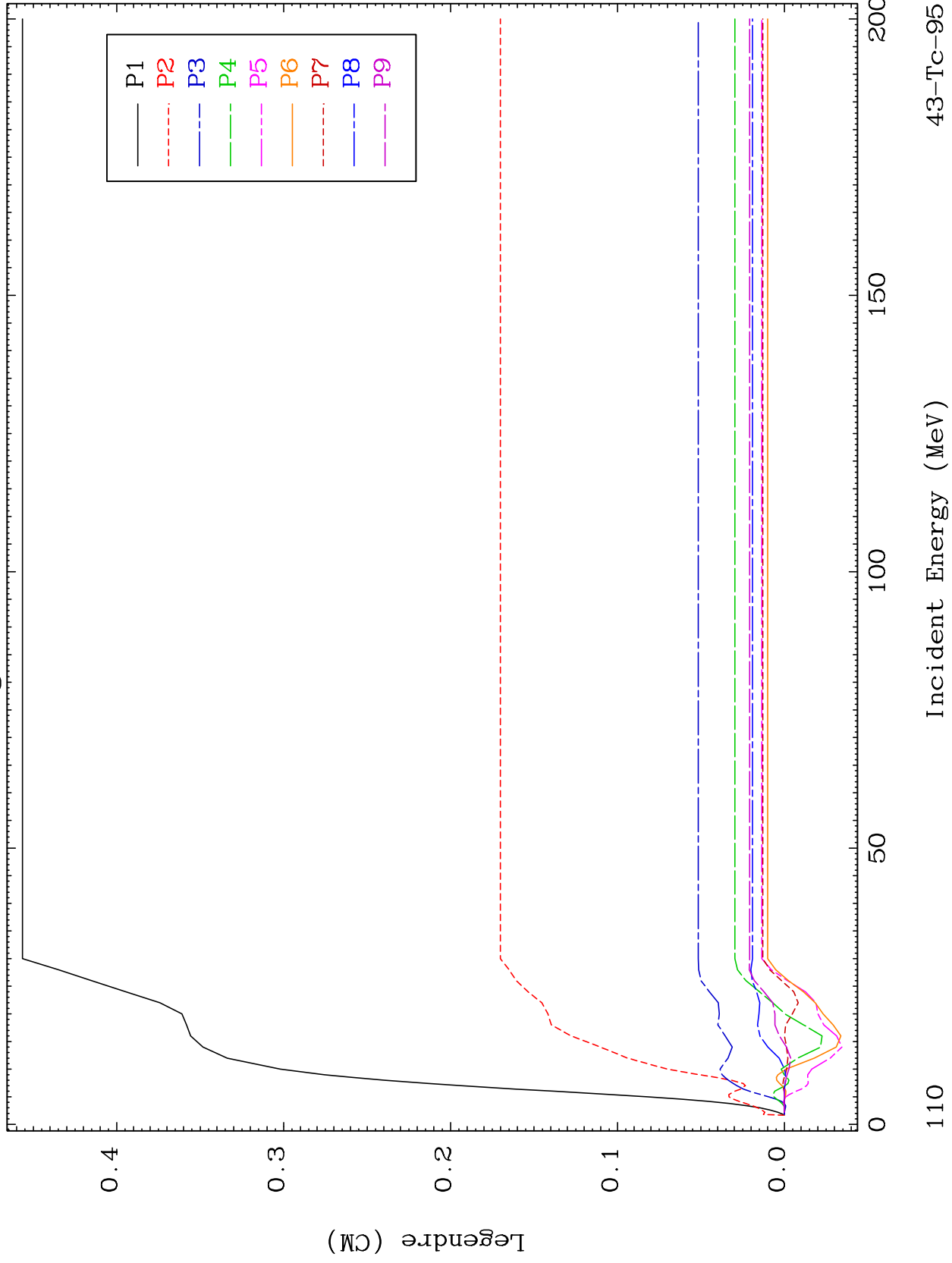
43-Tc-95



MAT 4313

1.632 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



43-Tc-95

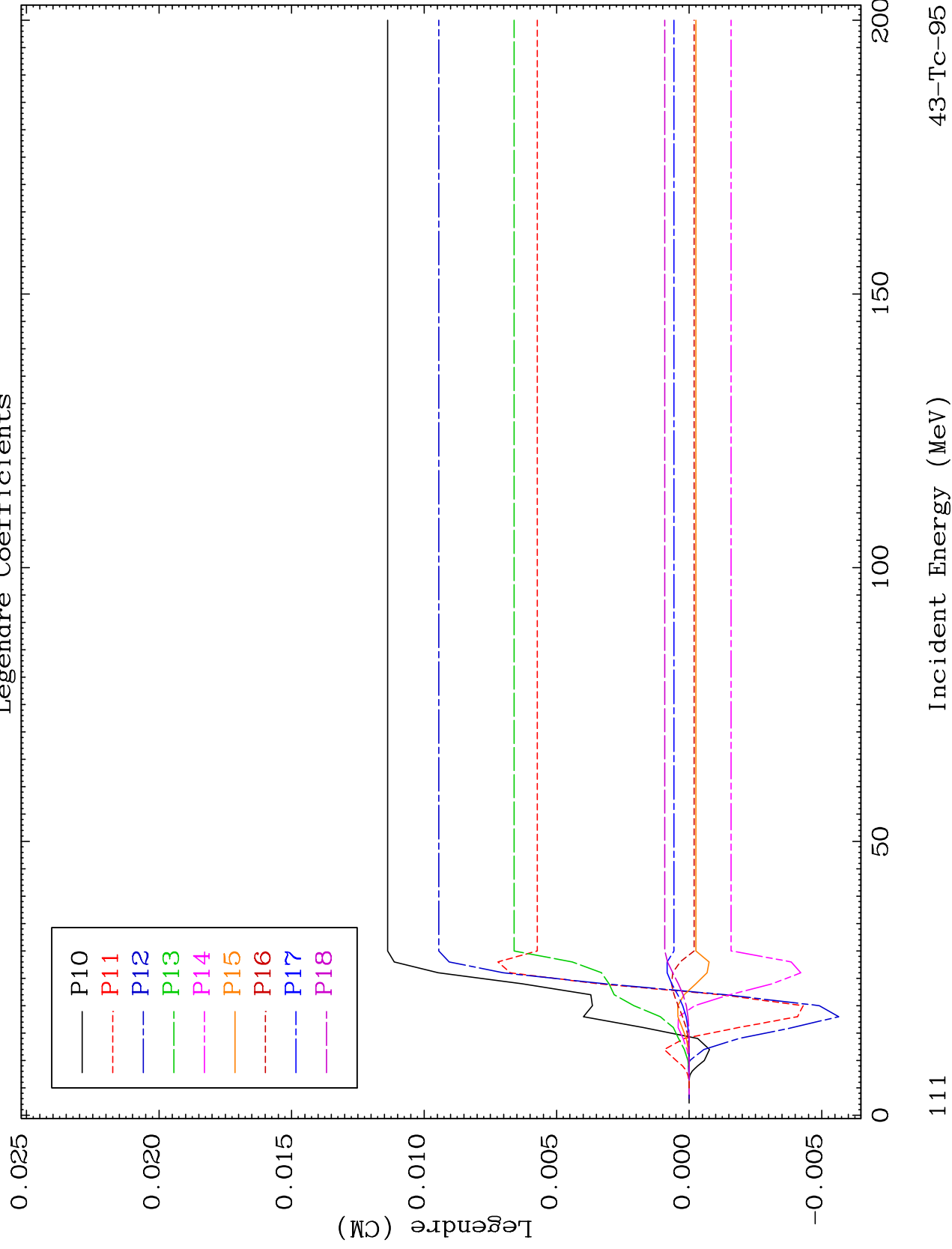
Incident Energy (MeV)

110

MAT 4313

1.632 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



111

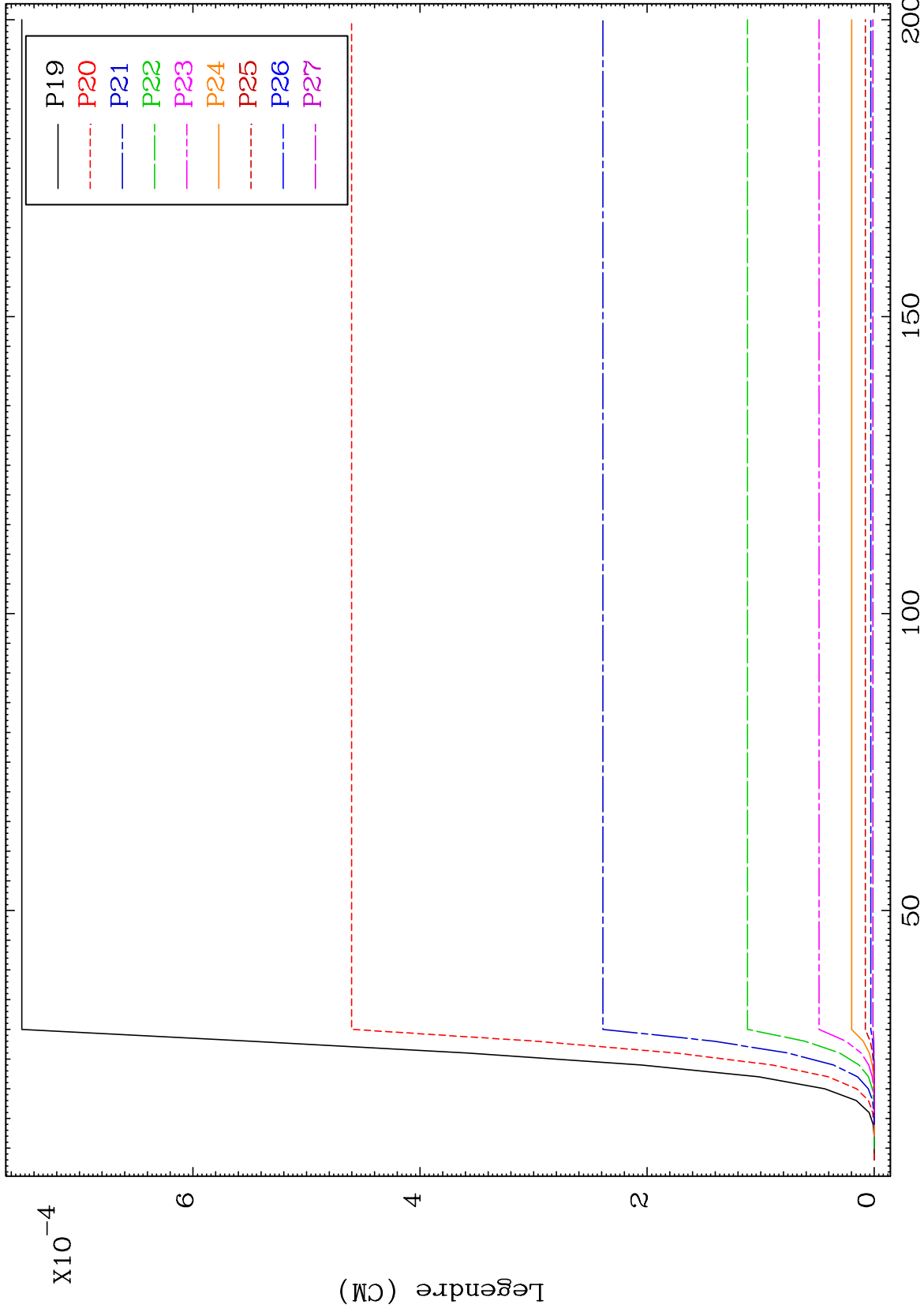
Incident Energy (MeV)

43-Tc-95

MAT 4313

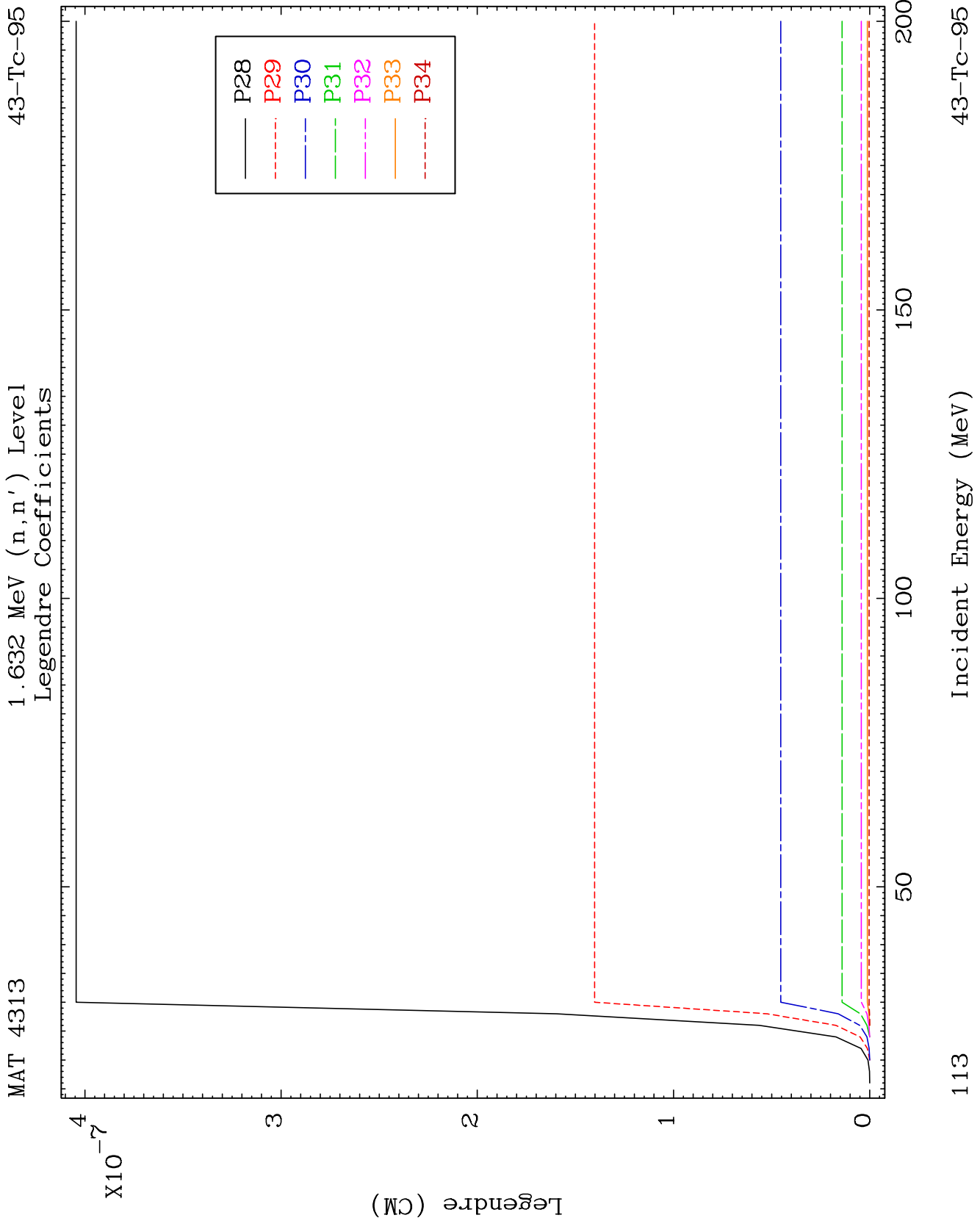
1.632 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



112

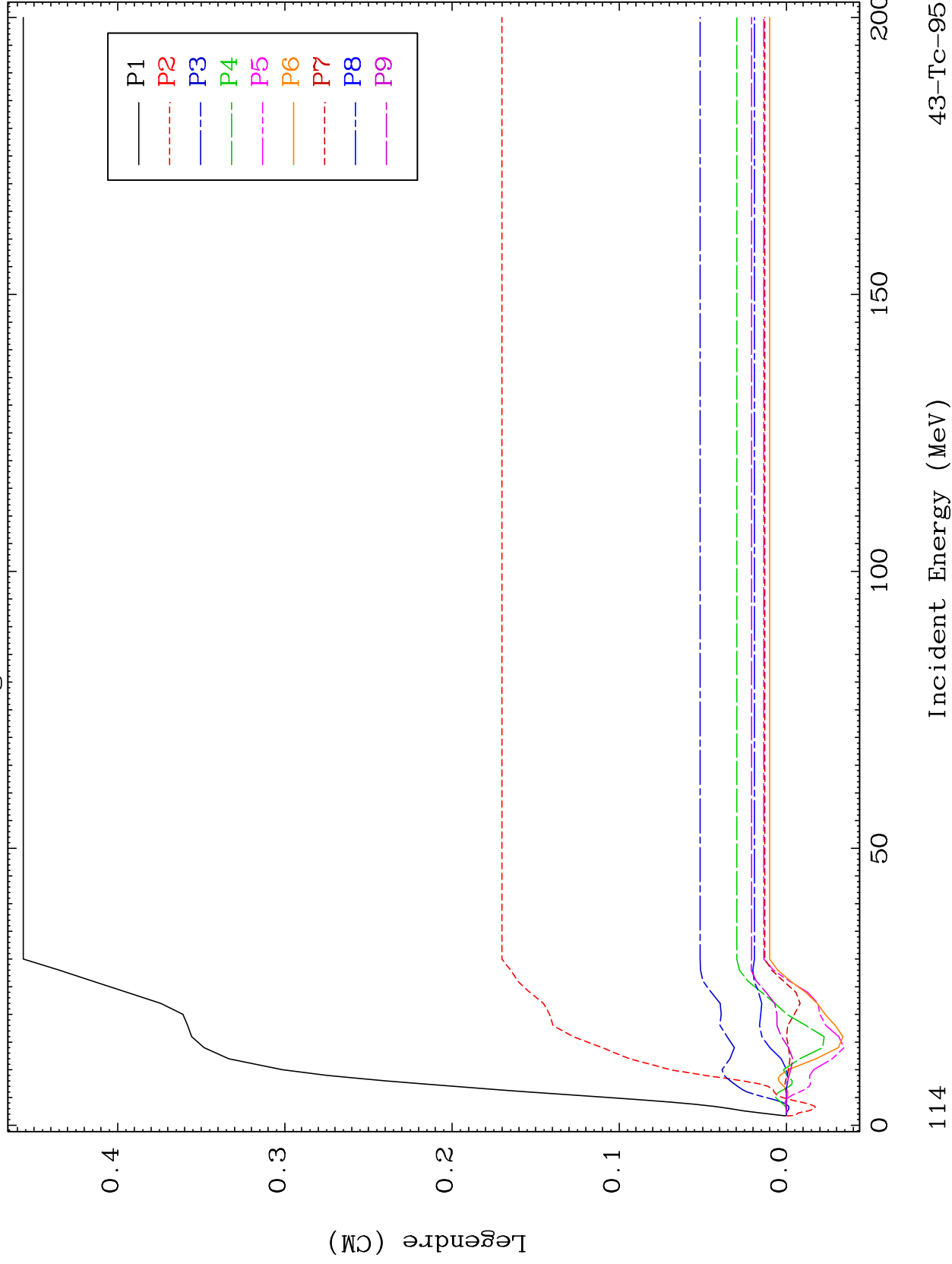
43-Tc-95



MAT 4313

1.639 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



114

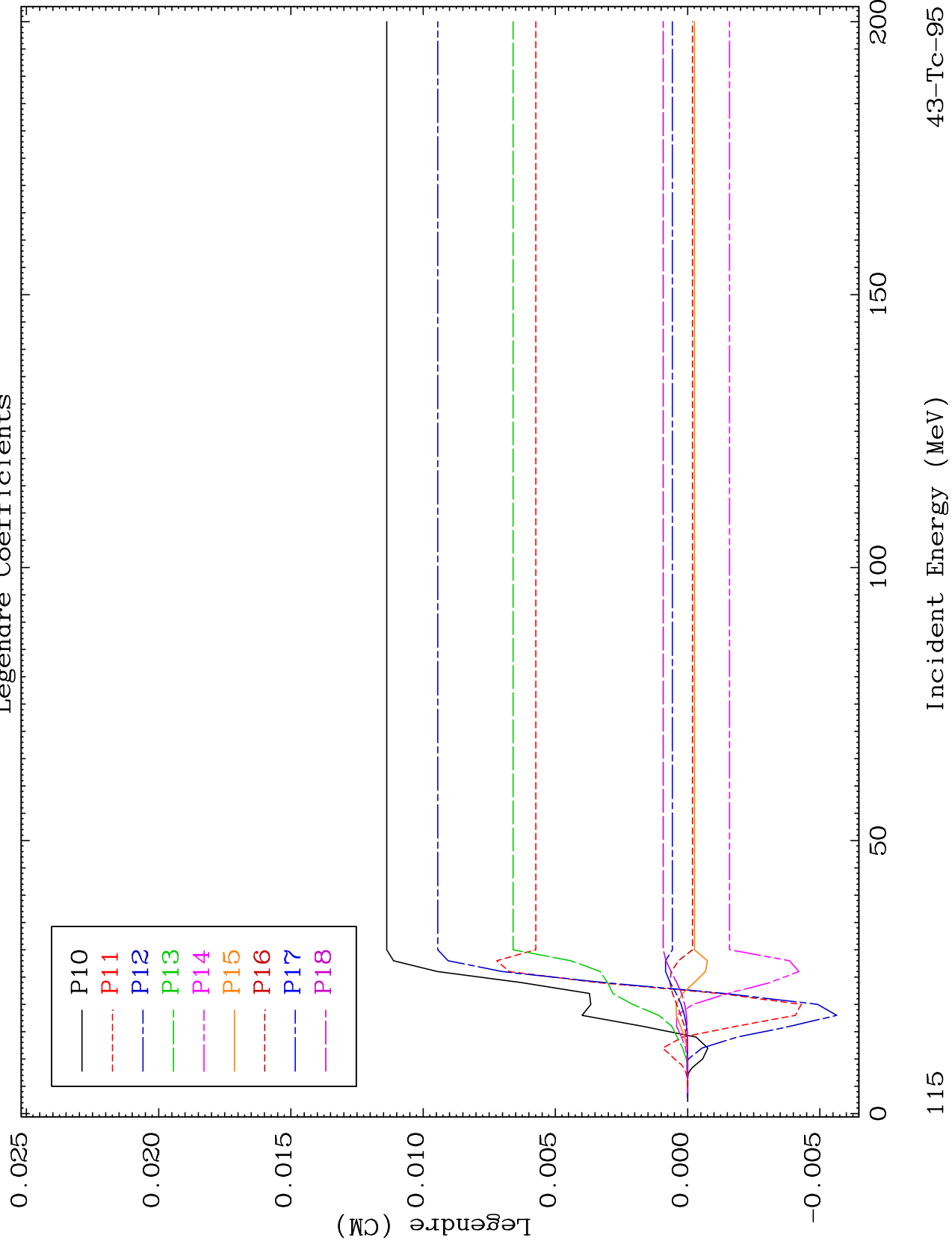
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.639 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



115

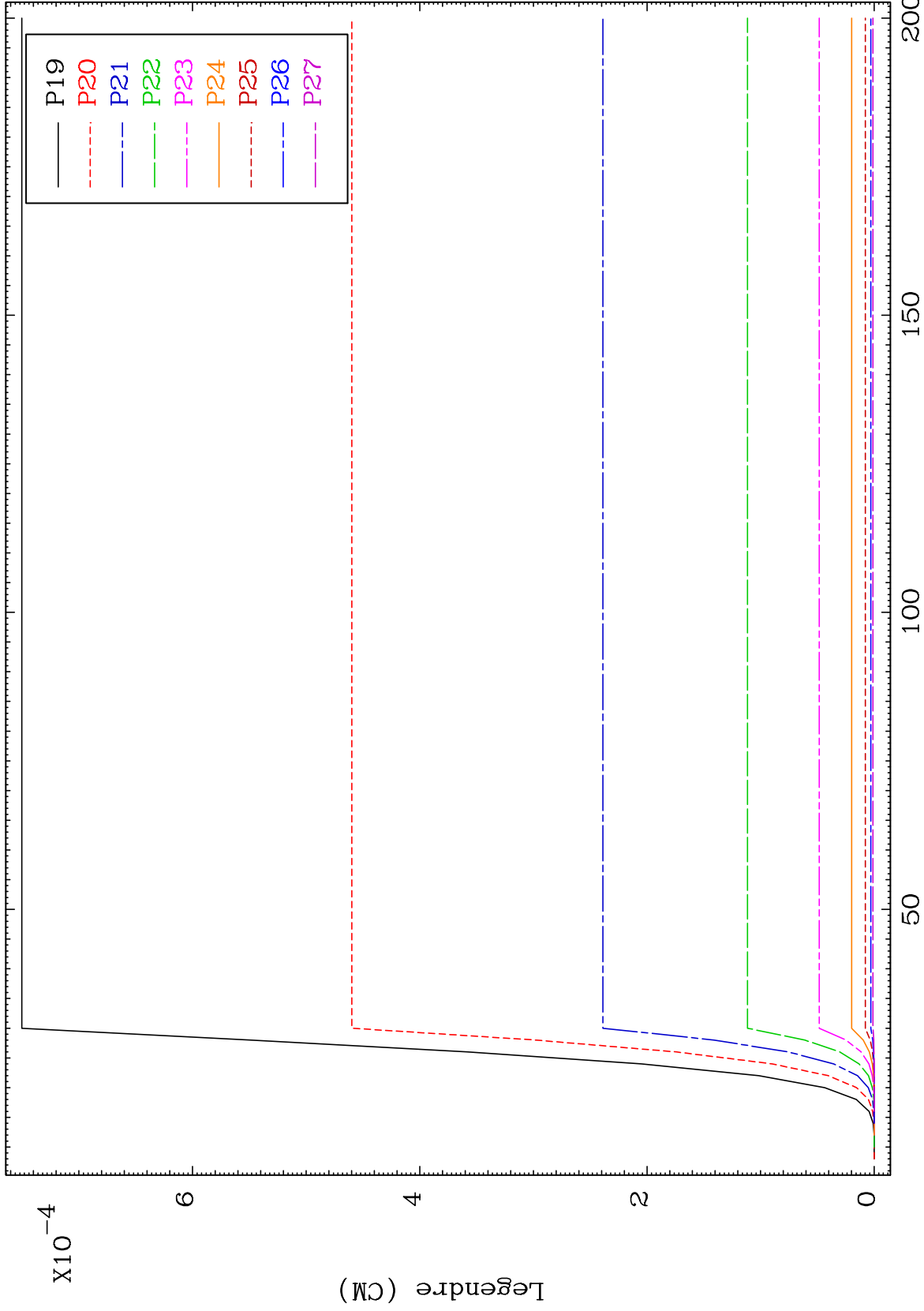
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.639 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



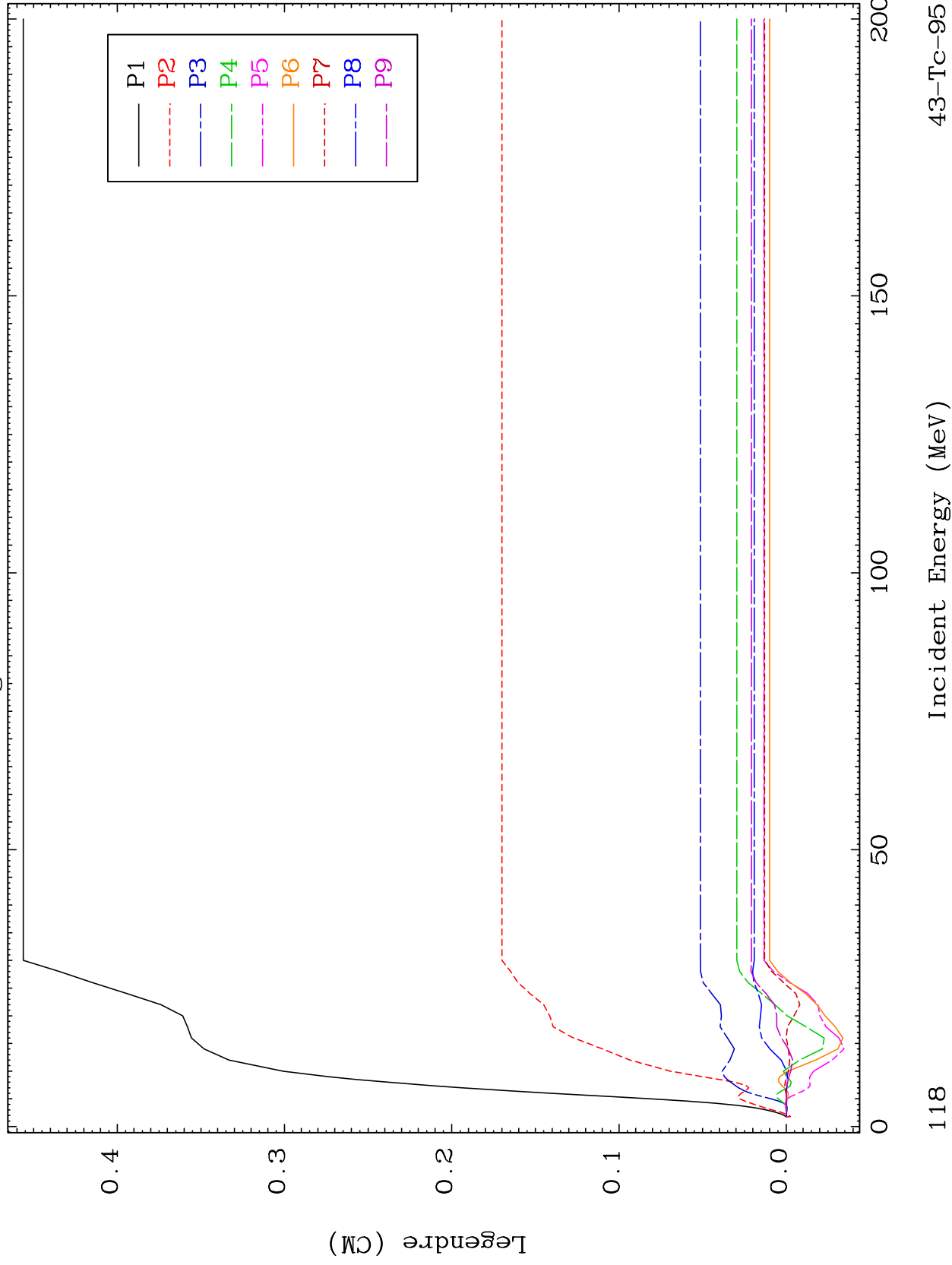
116

43-Tc-95

MAT 4313

1.691 MeV (n,n') Level
Legendre Coefficients

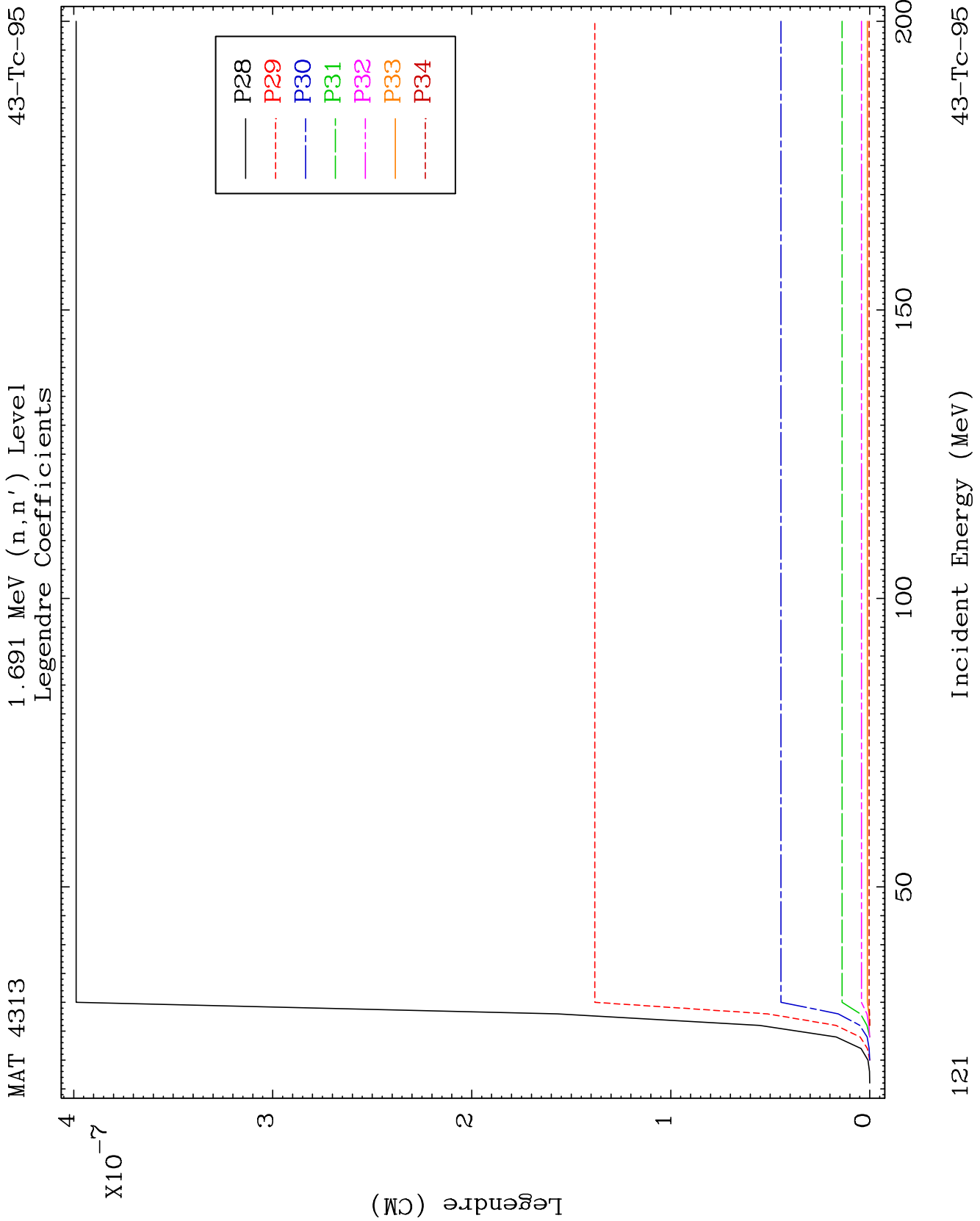
43-Tc-95



43-Tc-95

Incident Energy (MeV)

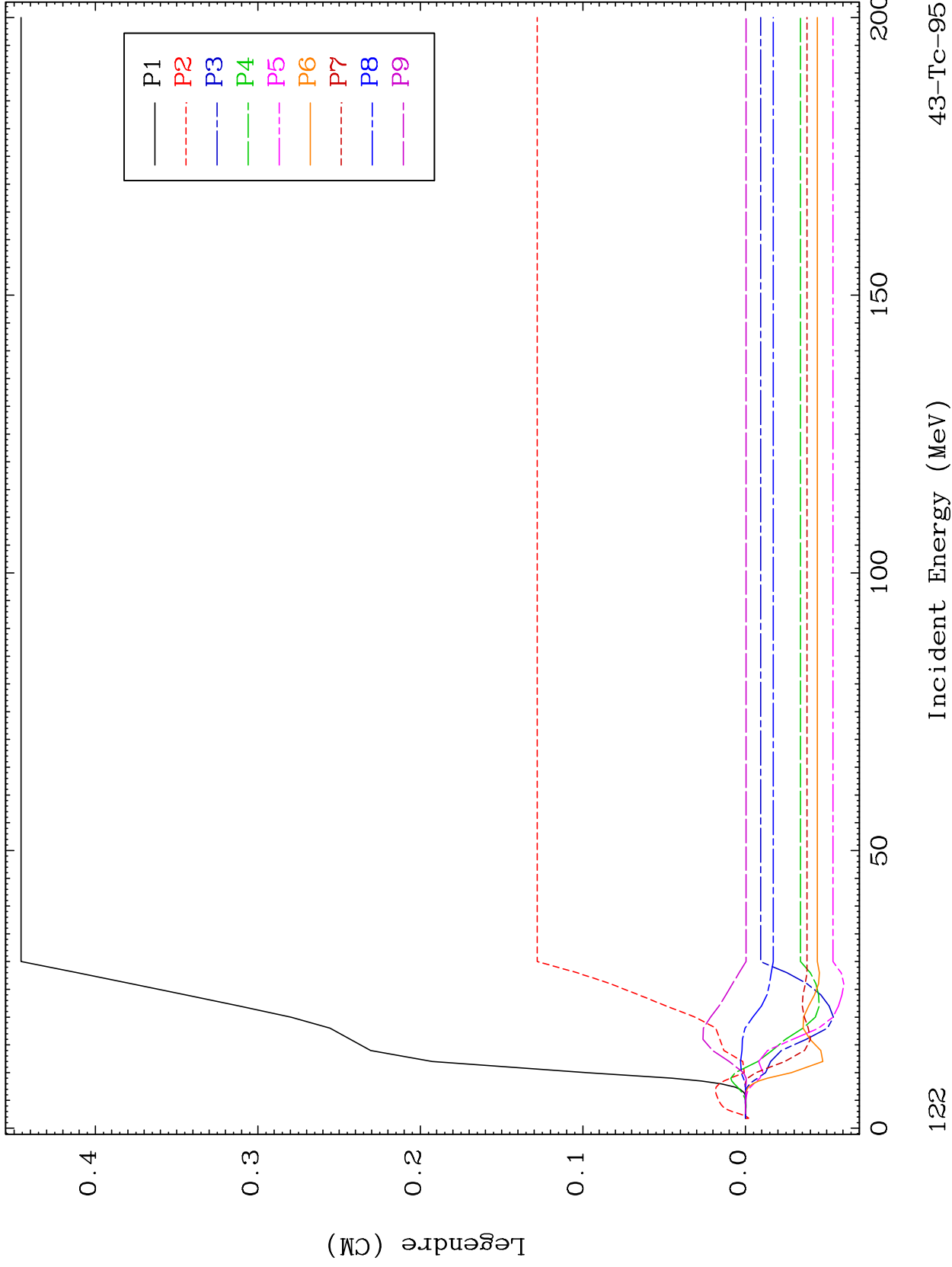
118



MAT 4313

1.695 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



122

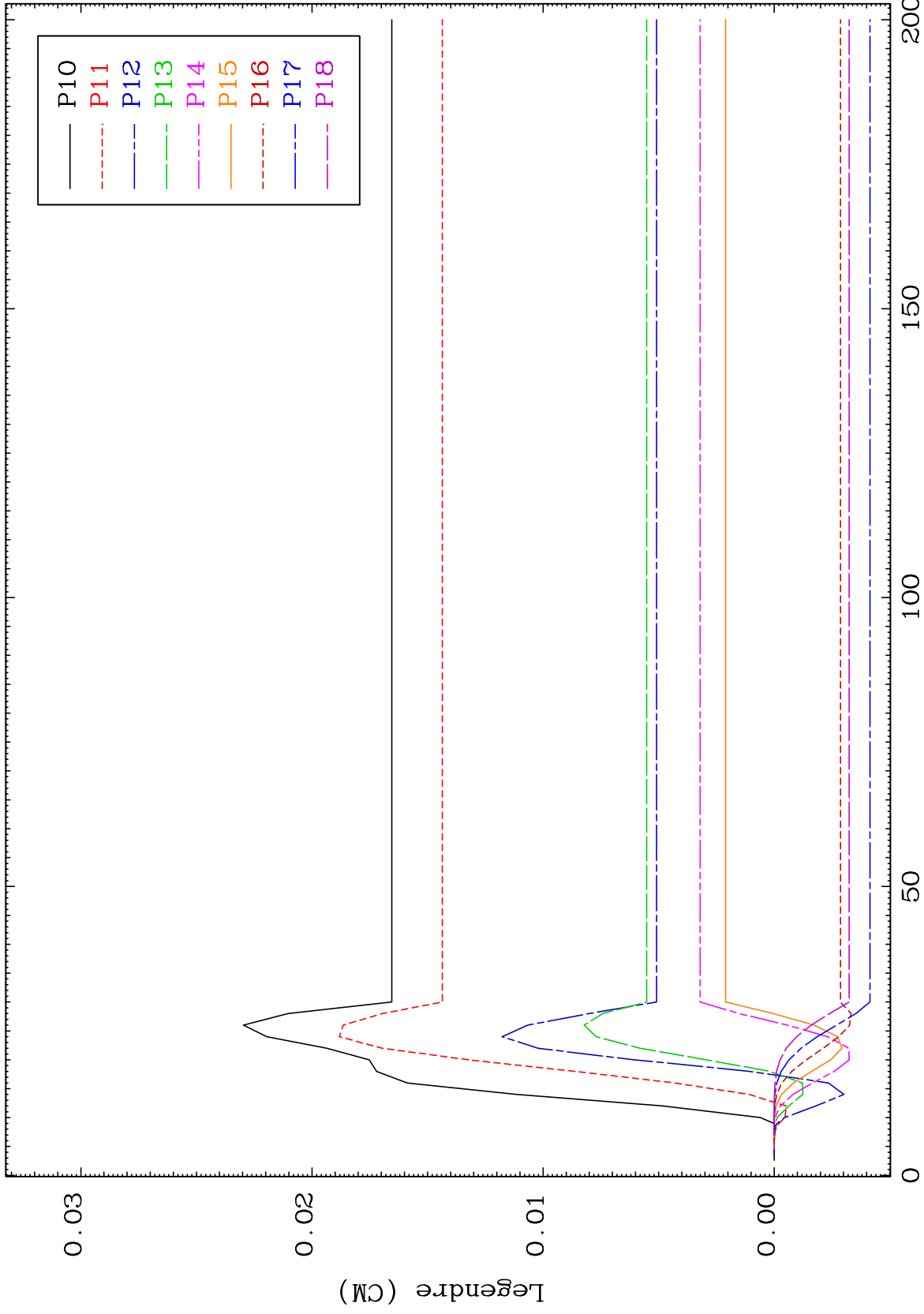
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.695 MeV (n,n') Level
Legendre Coefficients

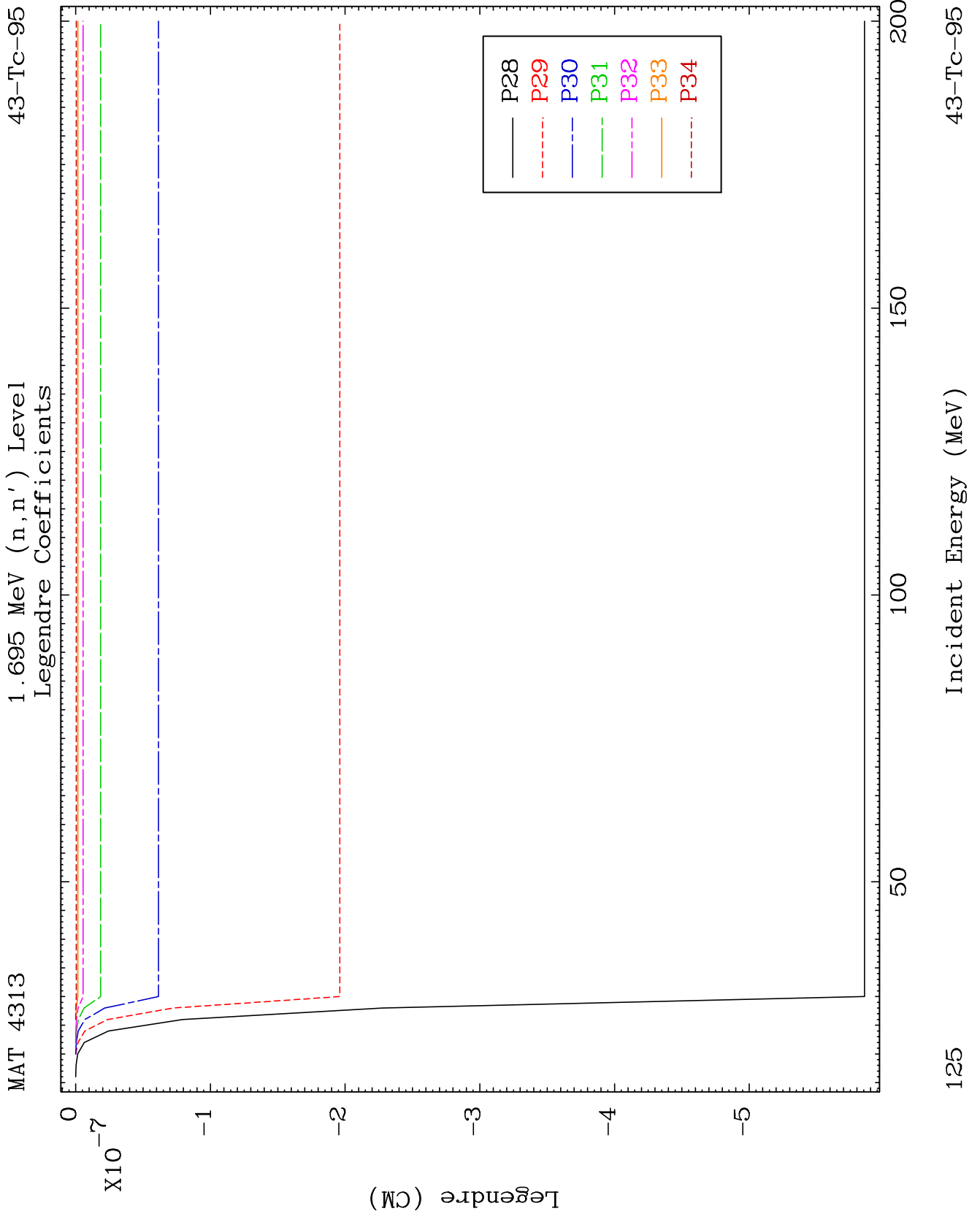
43-Tc-95



123

Incident Energy (MeV)

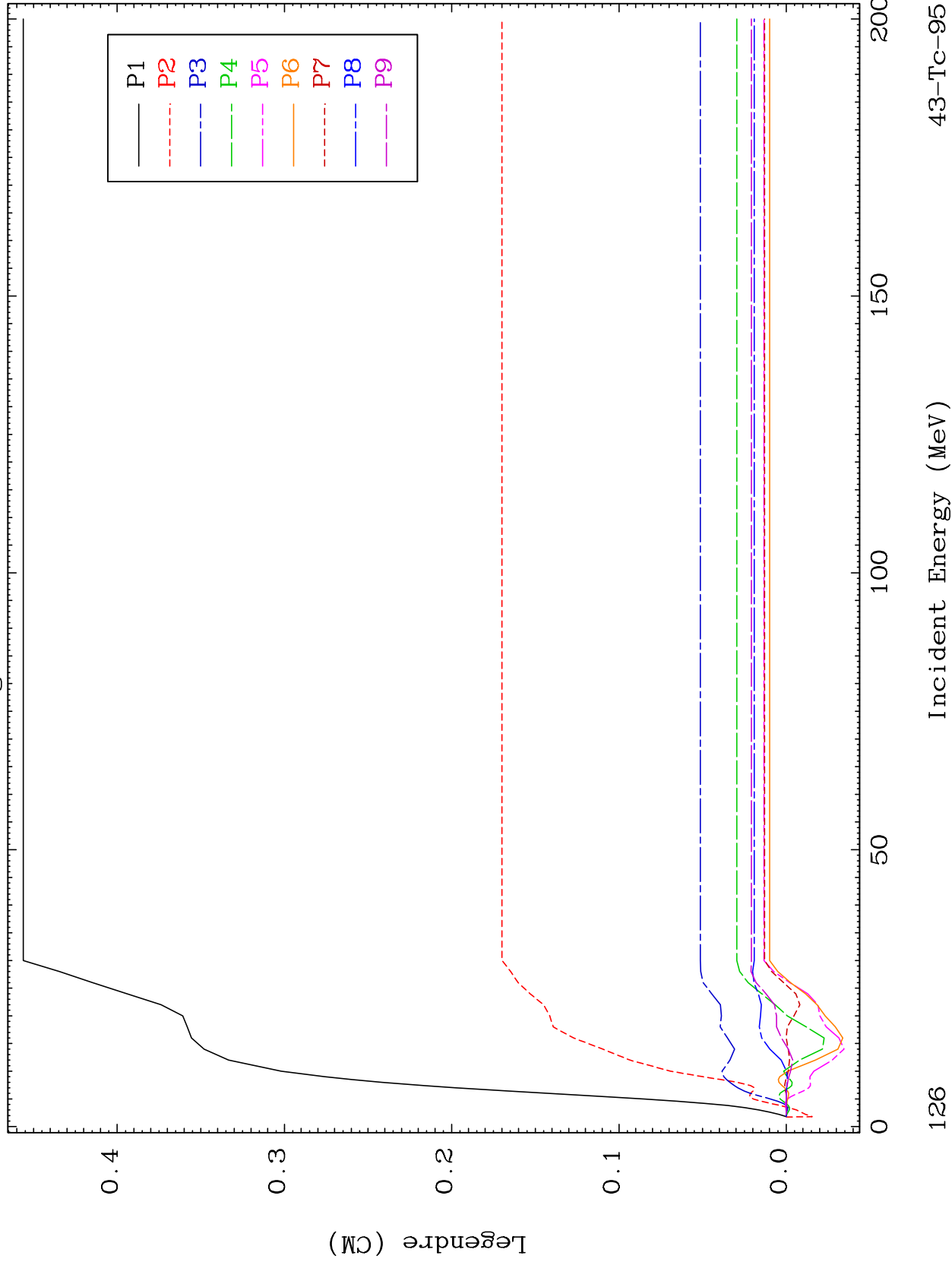
43-Tc-95



MAT 4313

1.702 MeV (n,n') Level
Legendre Coefficients

43-Tc-95



126

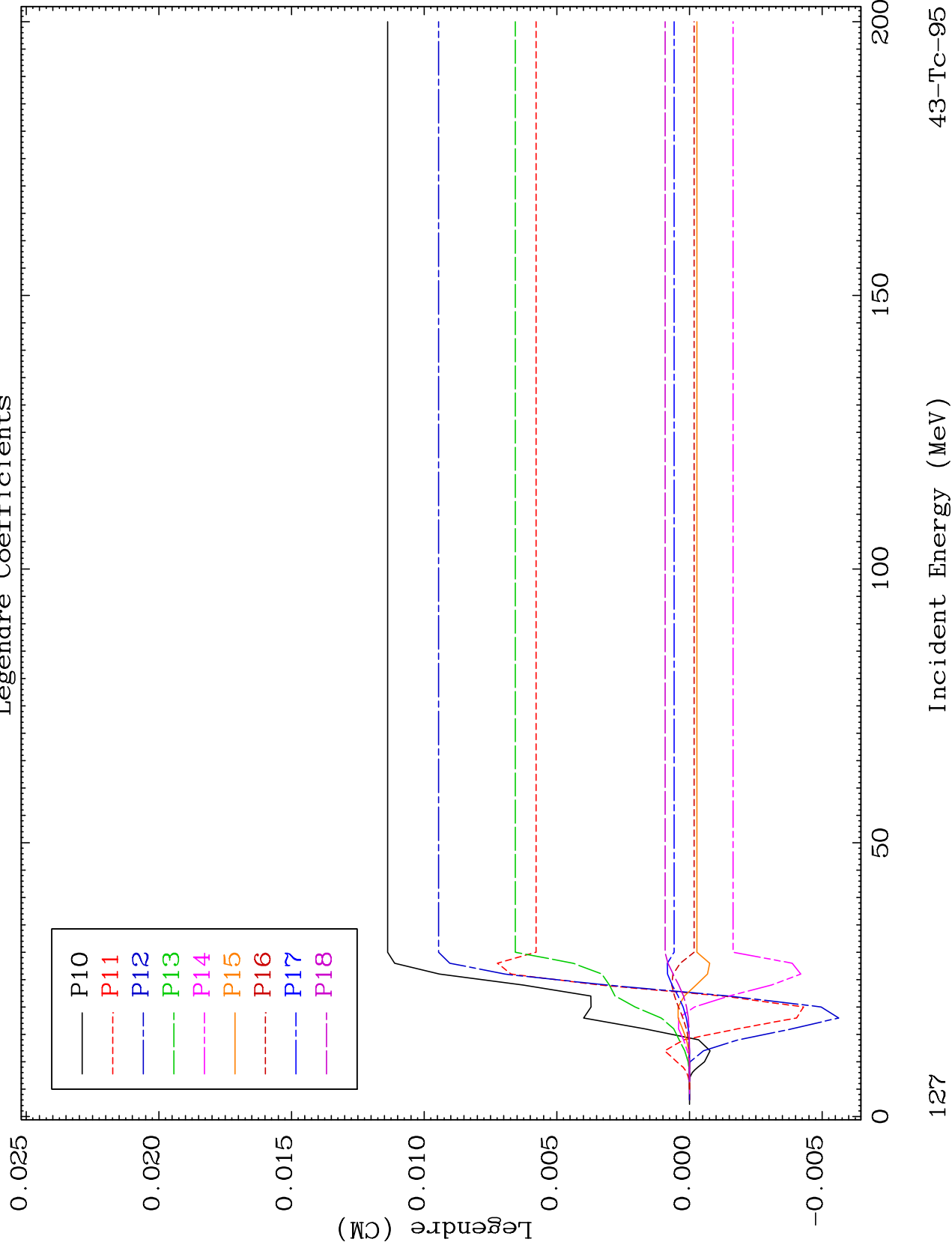
Incident Energy (MeV)

43-Tc-95

MAT 4313

1.702 MeV (n,n') Level
Legendre Coefficients

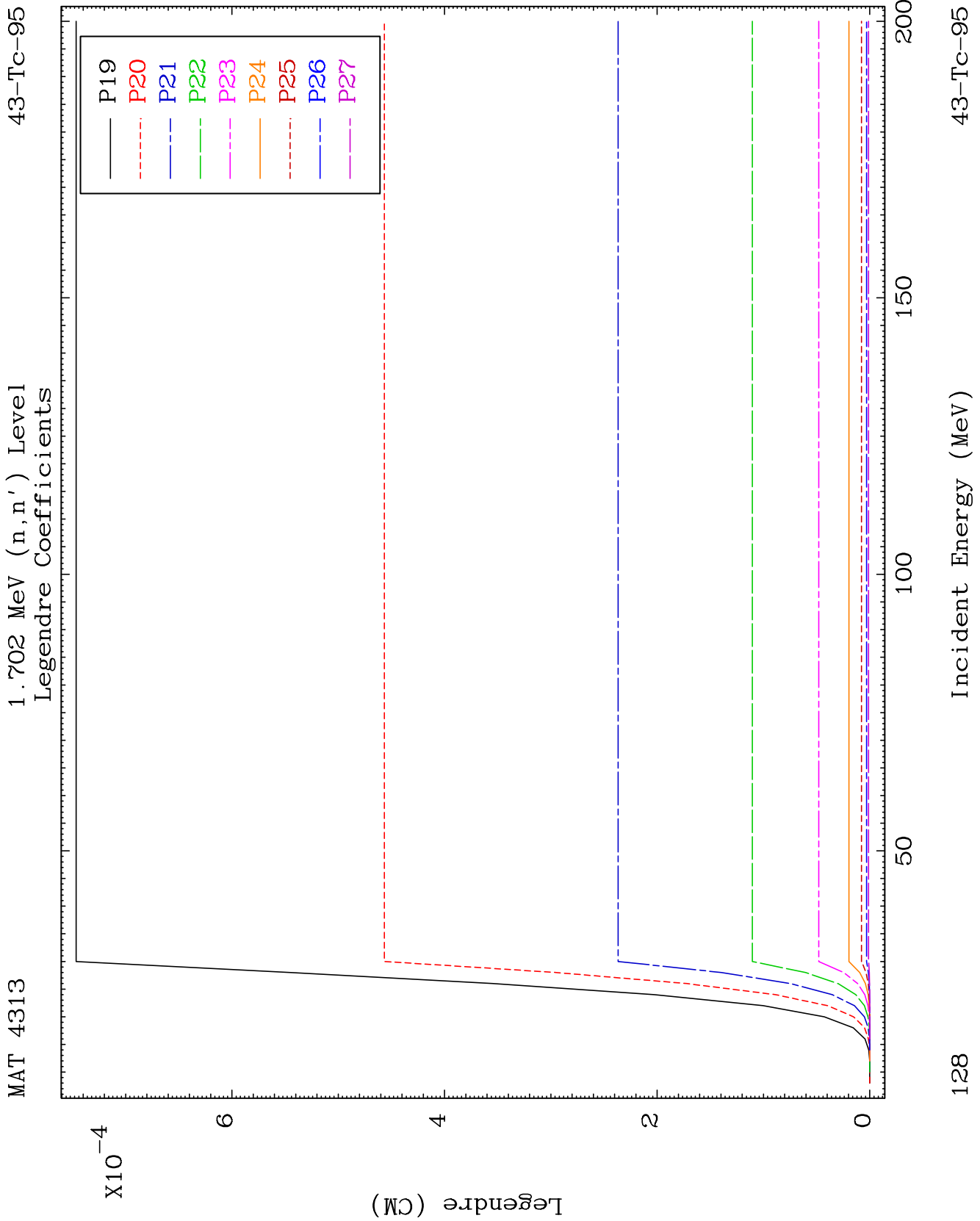
43-Tc-95

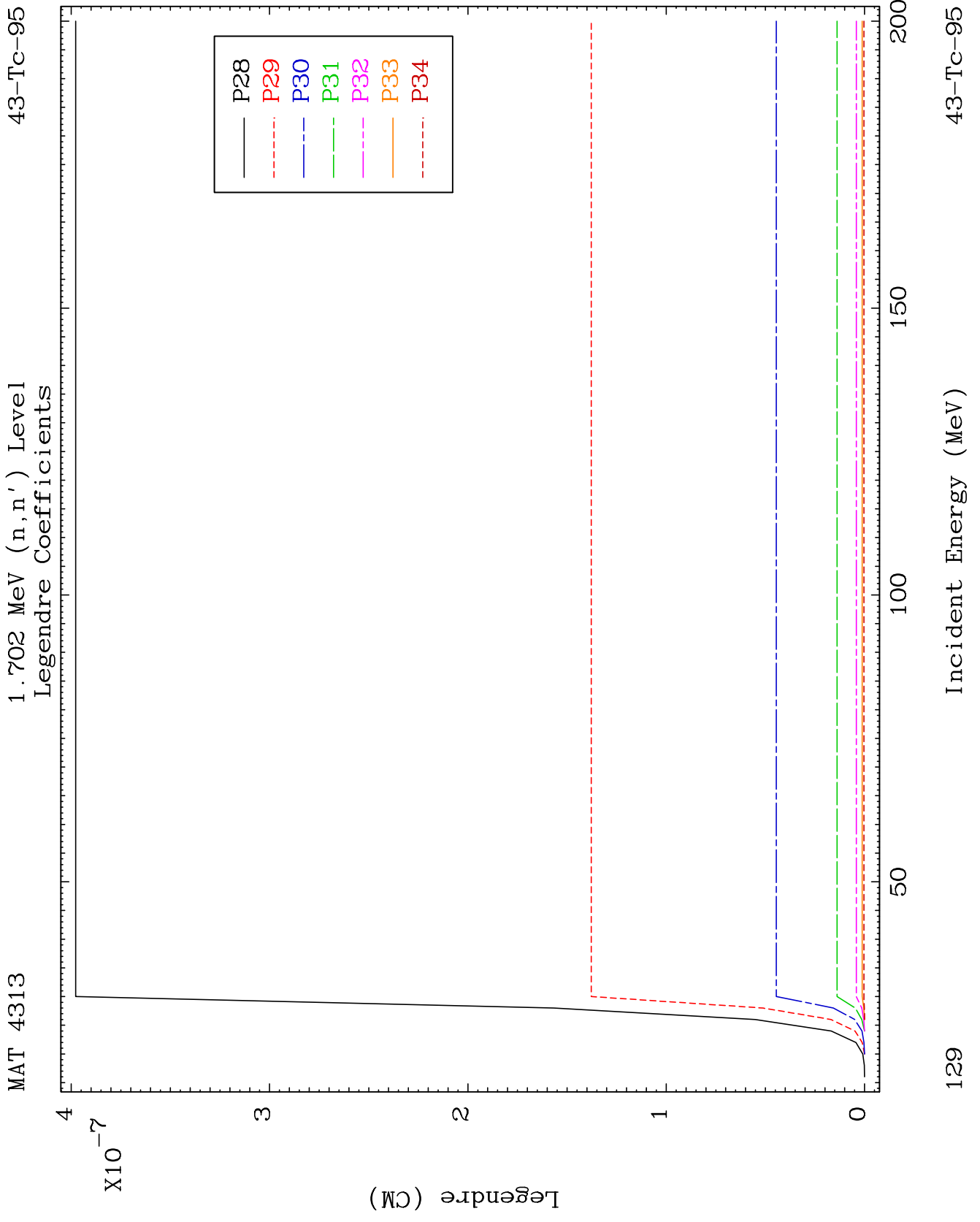


127

Incident Energy (MeV)

43-Tc-95

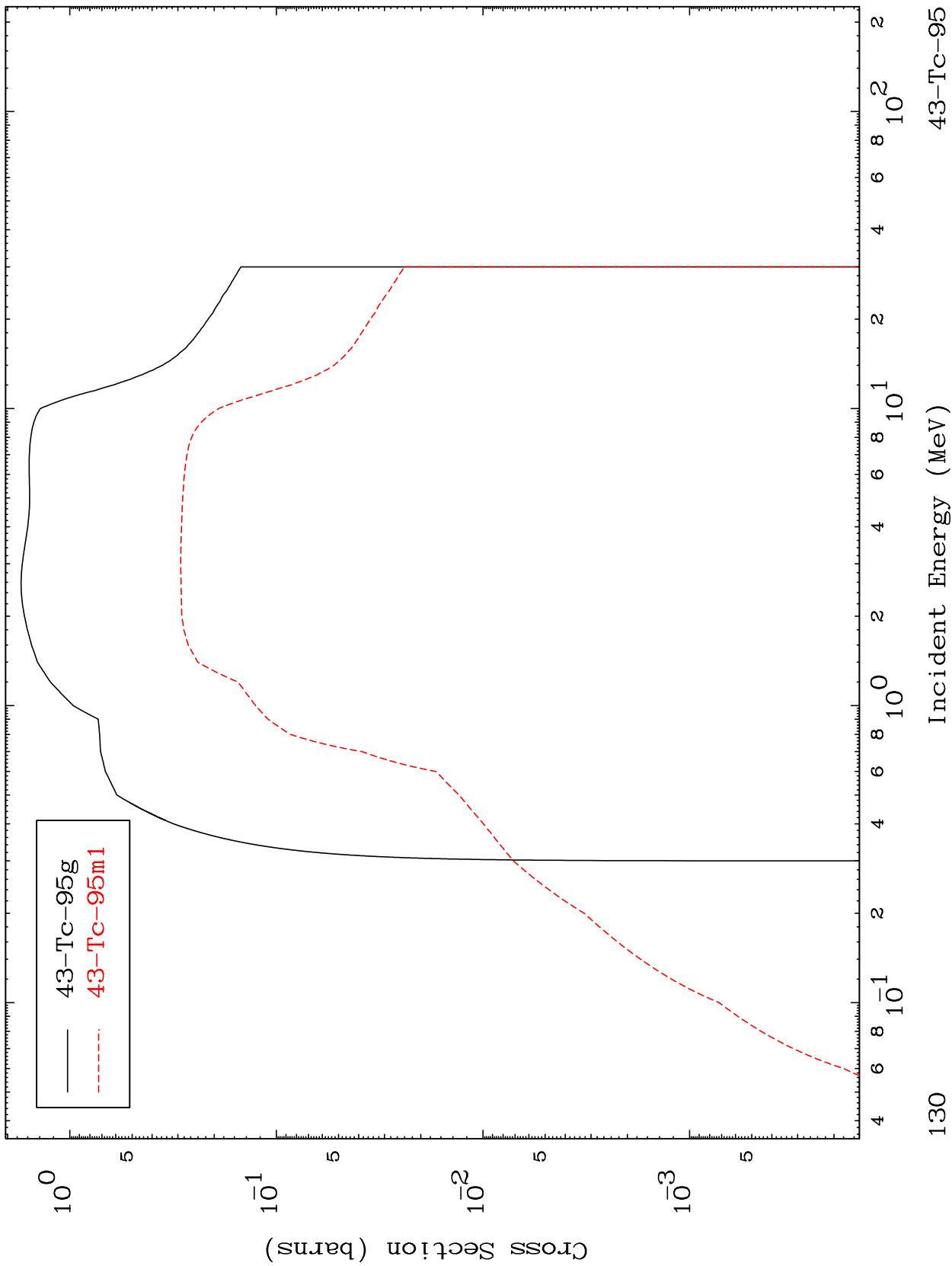




MAT 4313

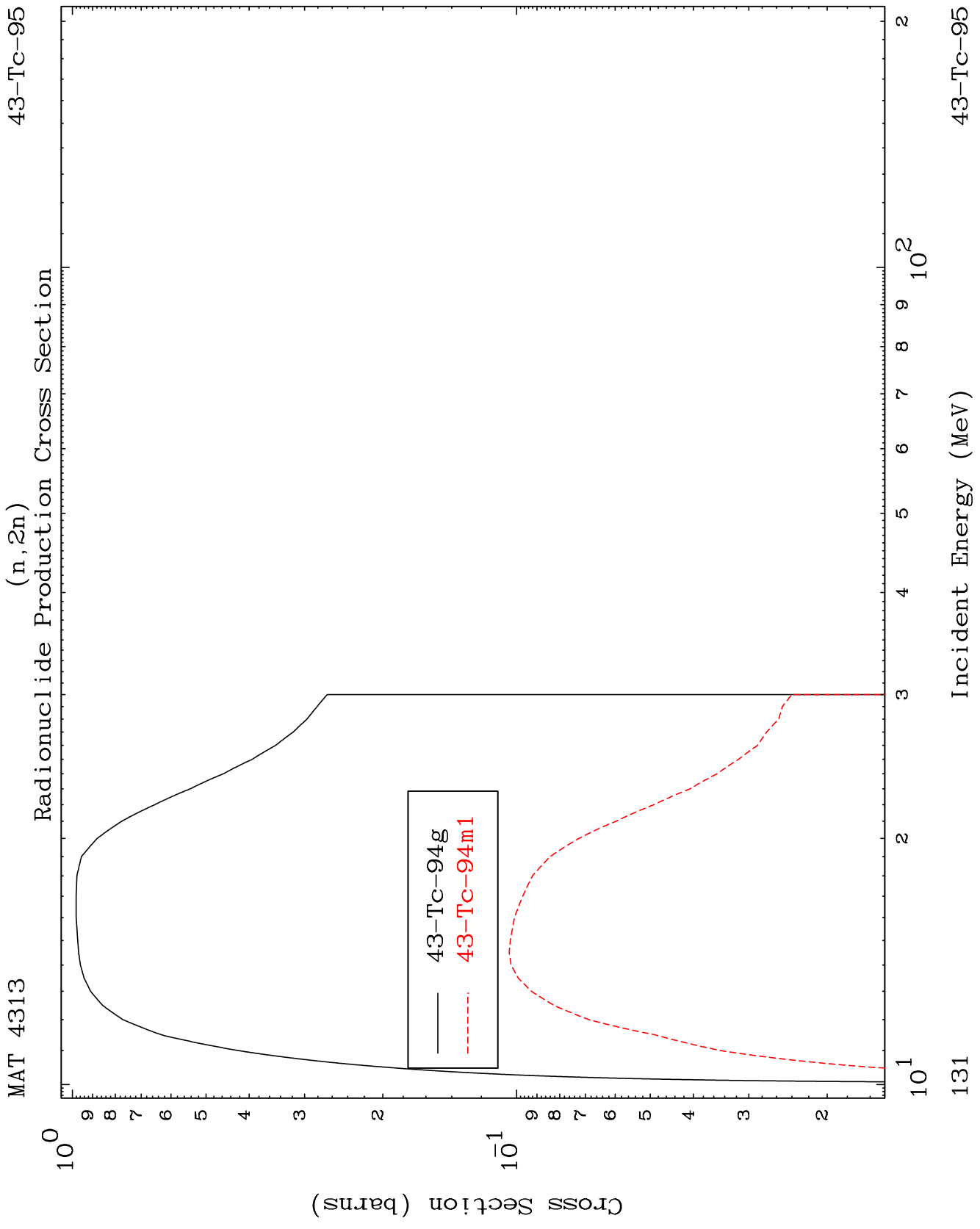
43-Tc-95

Radionuclide Production Cross Section



130

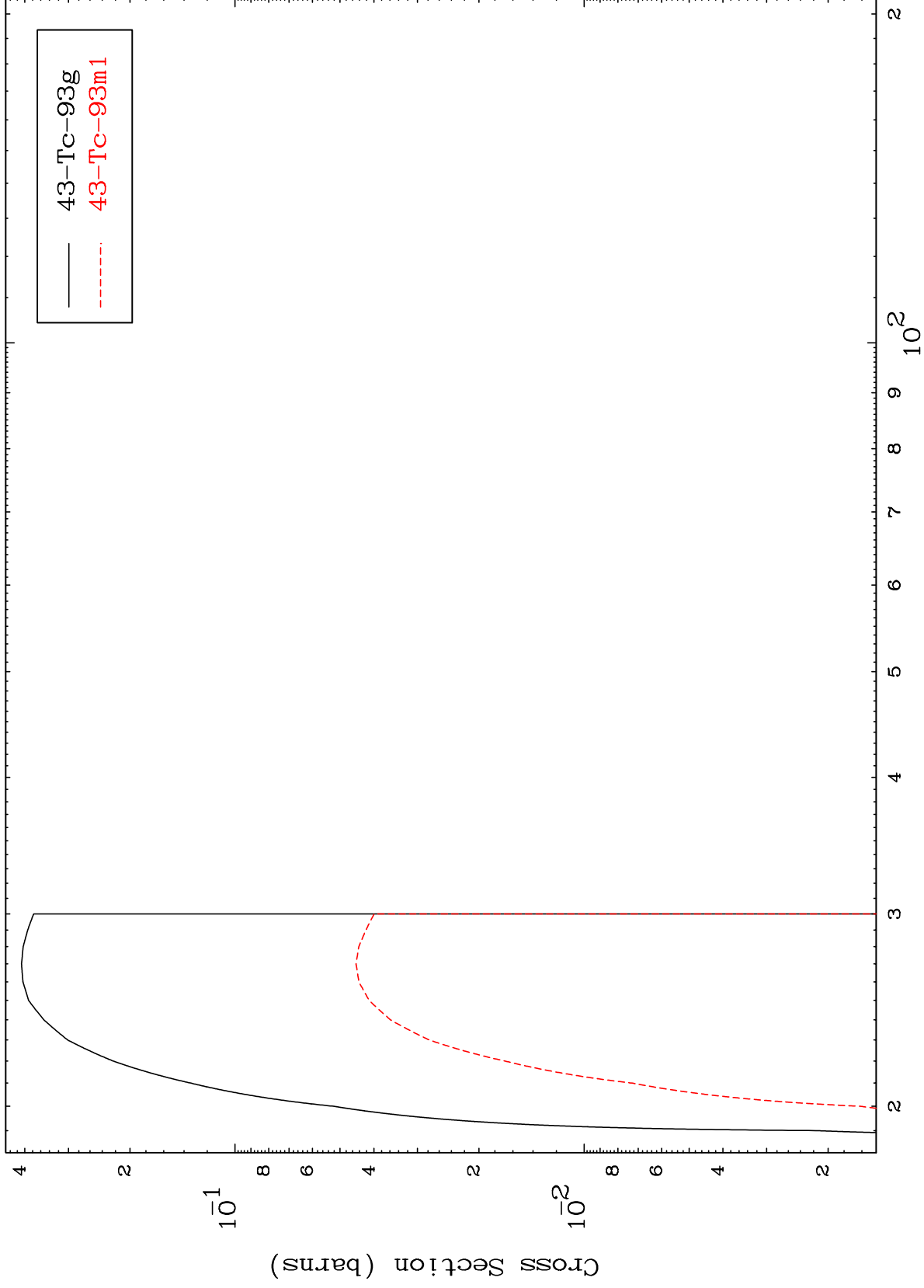
43-Tc-95



MAT 4313

43-Tc-95

(n,3n)
Radionuclide Production Cross Section



132

Incident Energy (MeV)

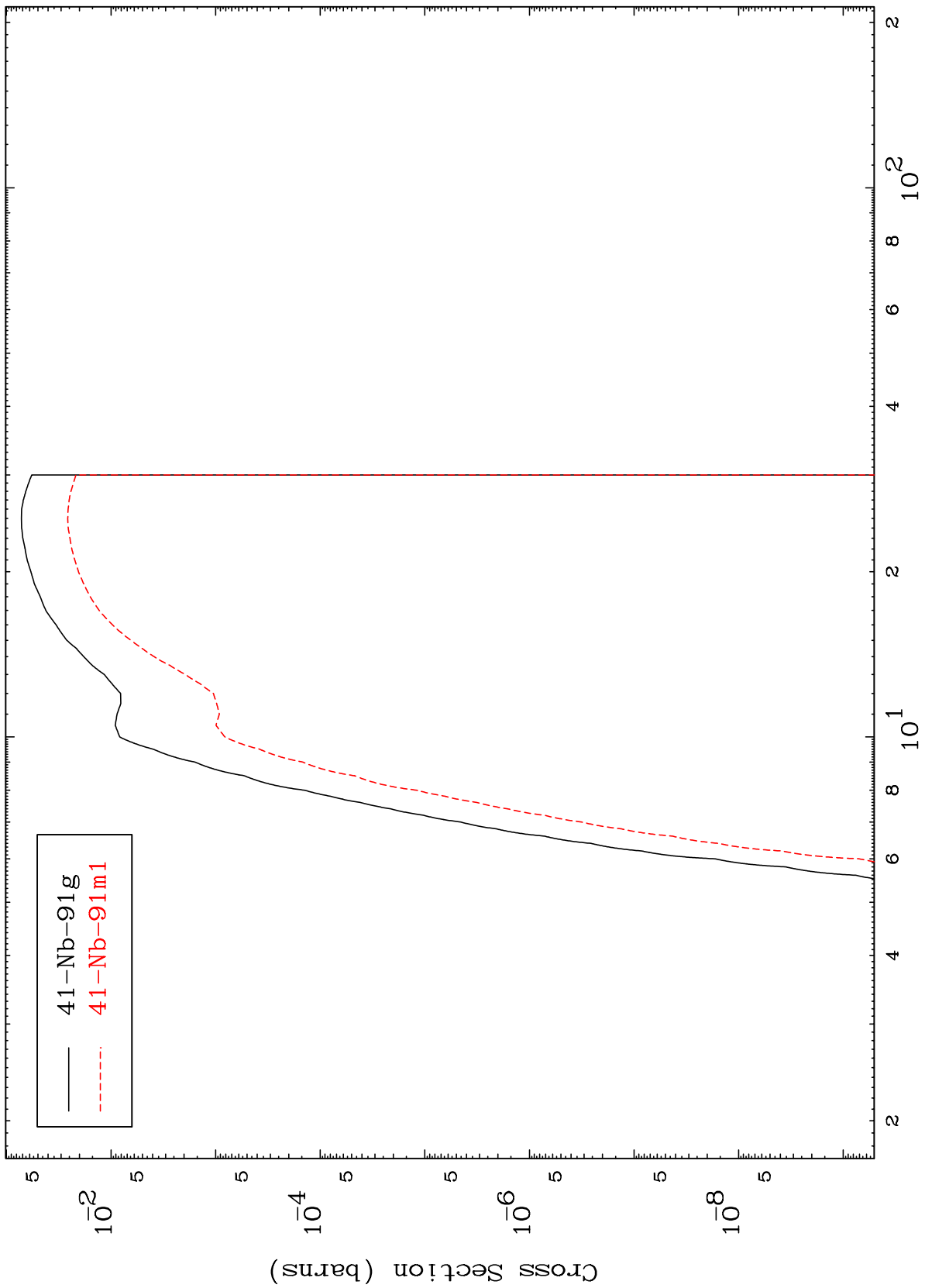
43-Tc-95

MAT 4313

(n,n') α

43-Tc-95

Radionuclide Production Cross Section



— 41-Nb-91g
- - - 41-Nb-91m1

133

Incident Energy (MeV)

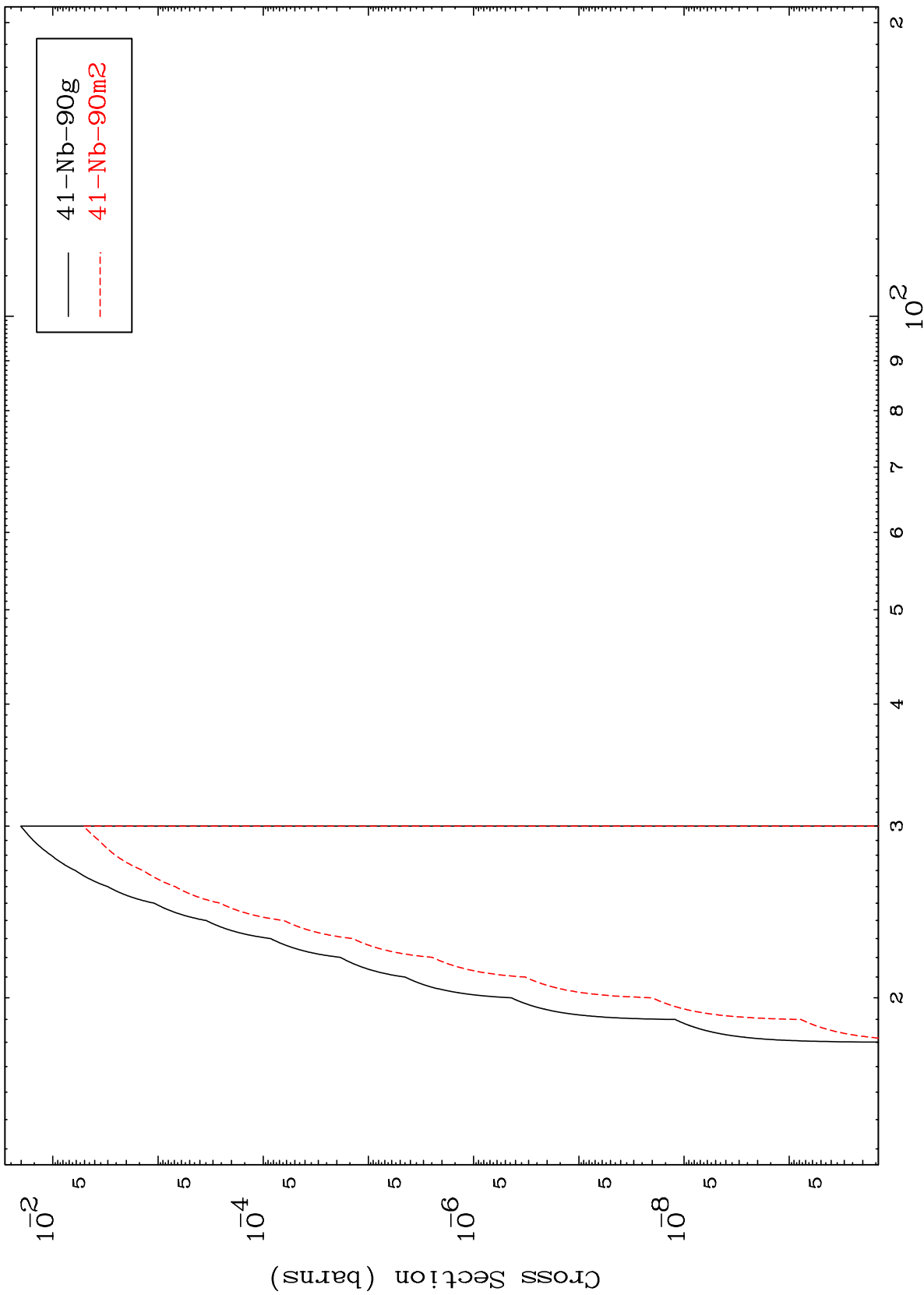
43-Tc-95

MAT 4313

(n,2n) α

43-Tc-95

Radionuclide Production Cross Section



134

Incident Energy (MeV)

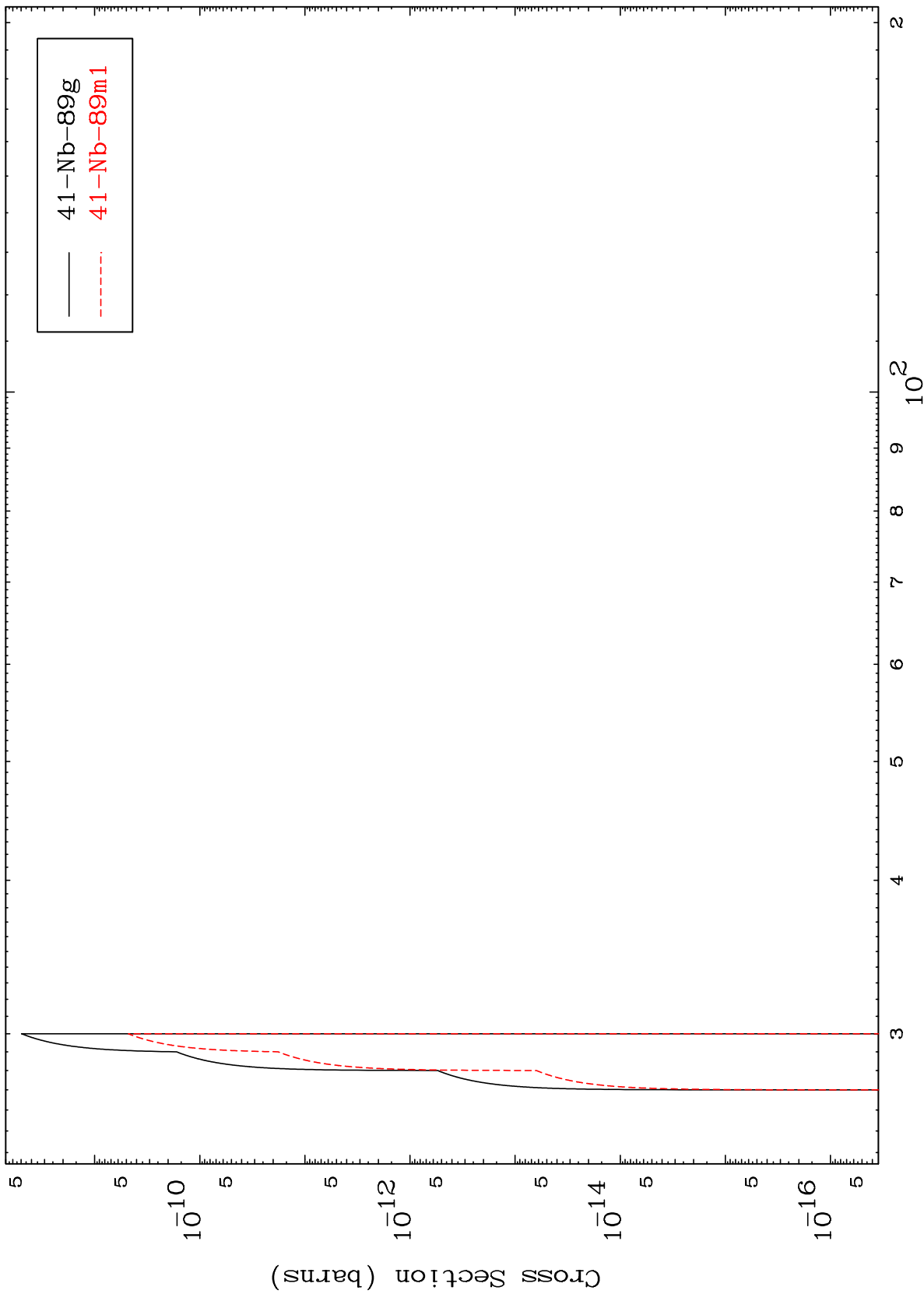
43-Tc-95

MAT 4313

(n,3n) α

43-Tc-95

Radionuclide Production Cross Section



41-Nb-89g
41-Nb-89m1

135

Incident Energy (MeV)

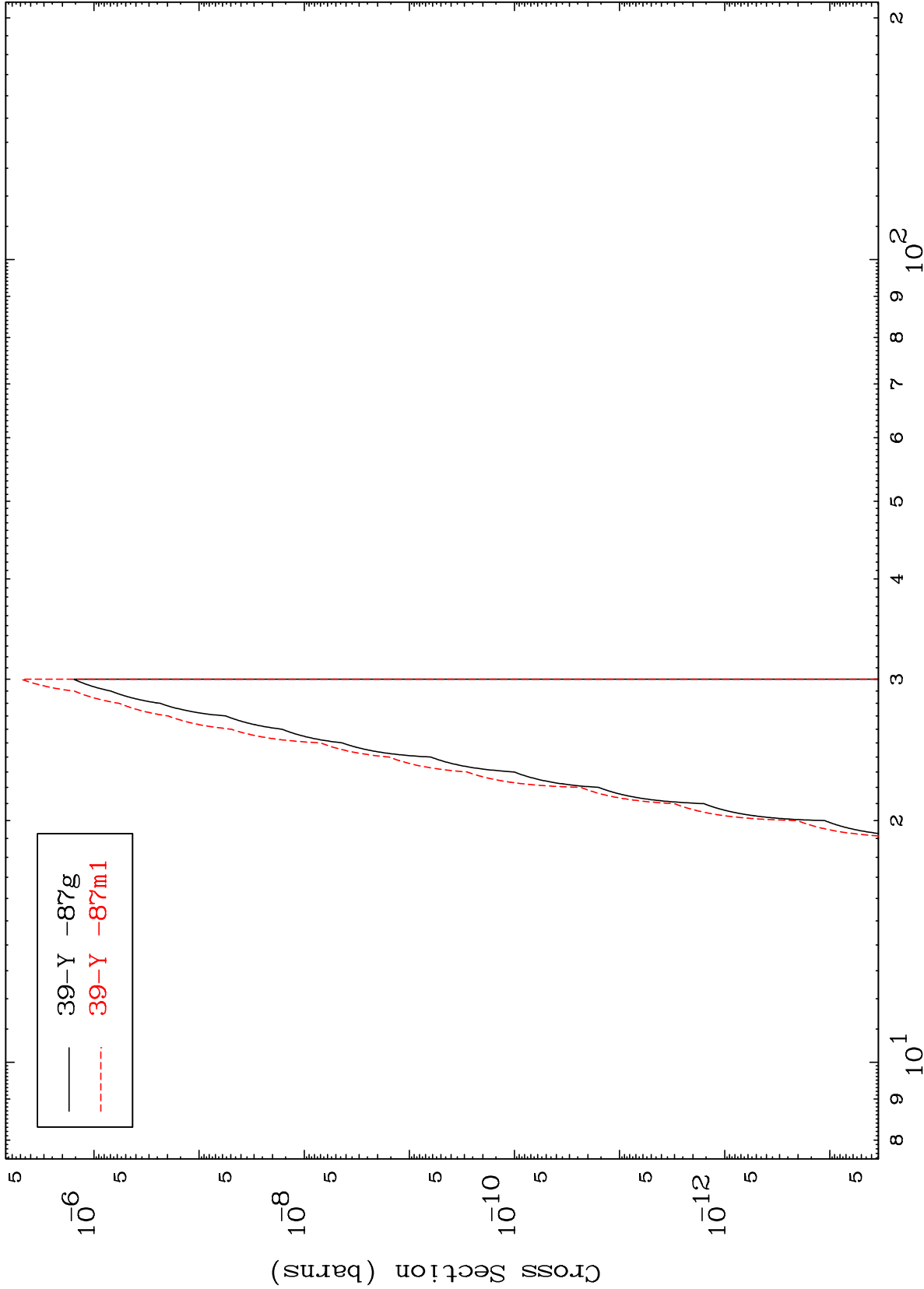
43-Tc-95

MAT 4313

(n,n') 2α

43-Tc-95

Radionuclide Production Cross Section



— 39-Y -87g
- - - 39-Y -87m1

136

Incident Energy (MeV)

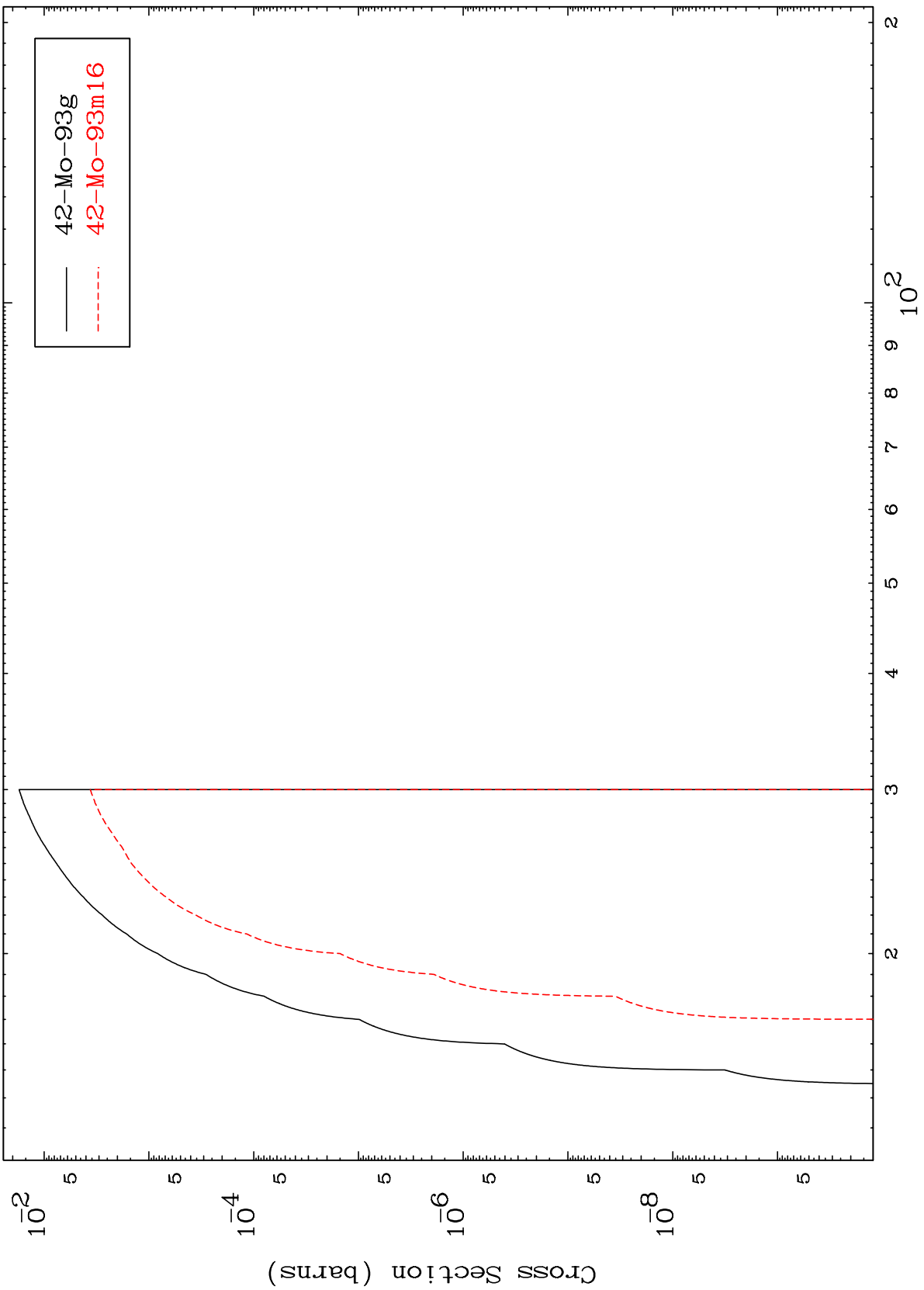
43-Tc-95

MAT 4313

(n,n') d

43-Tc-95

Radionuclide Production Cross Section



137

Incident Energy (MeV)

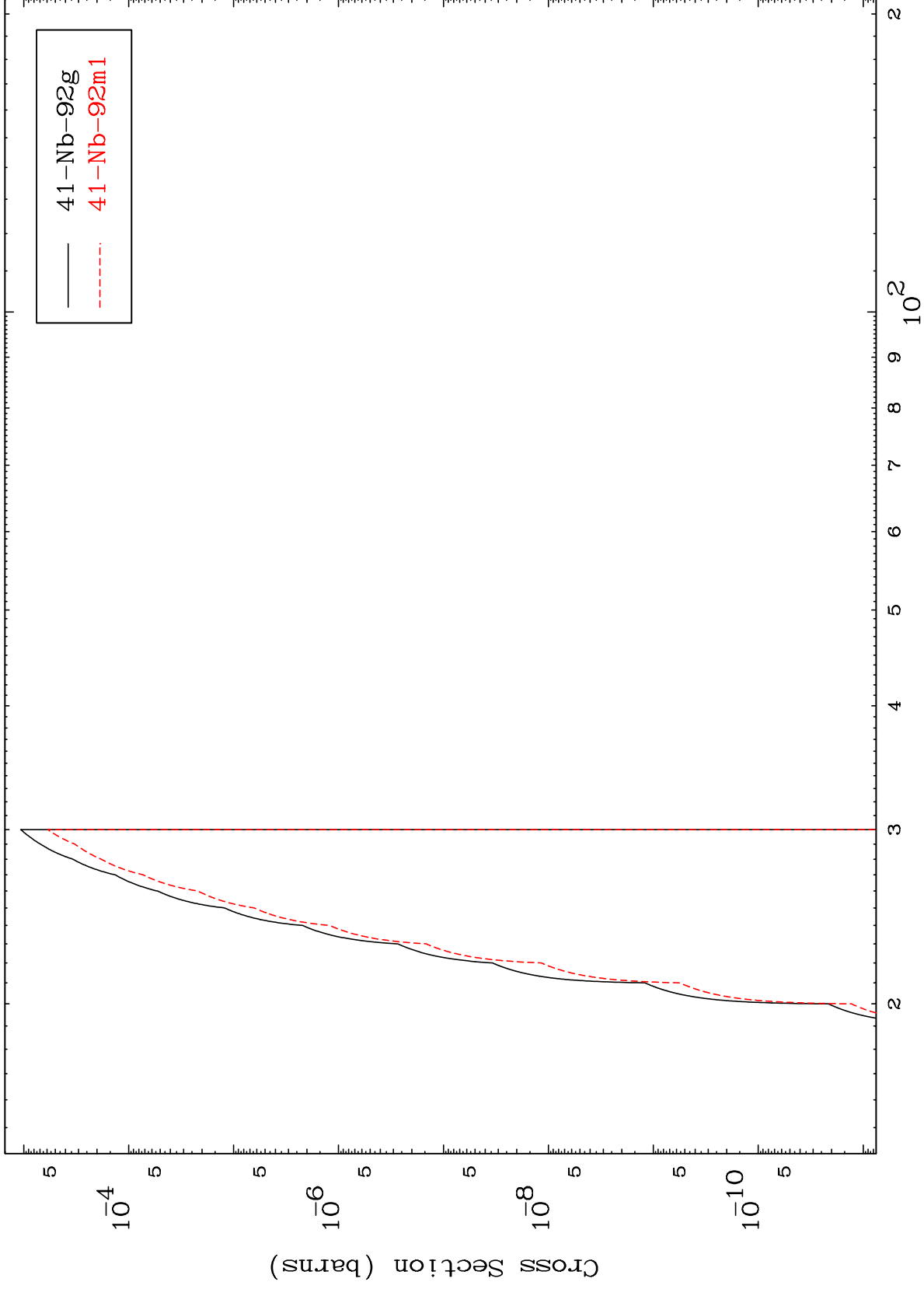
43-Tc-95

MAT 4313

(n,n') He-3

43-Tc-95

Radionuclide Production Cross Section



138

Incident Energy (MeV)

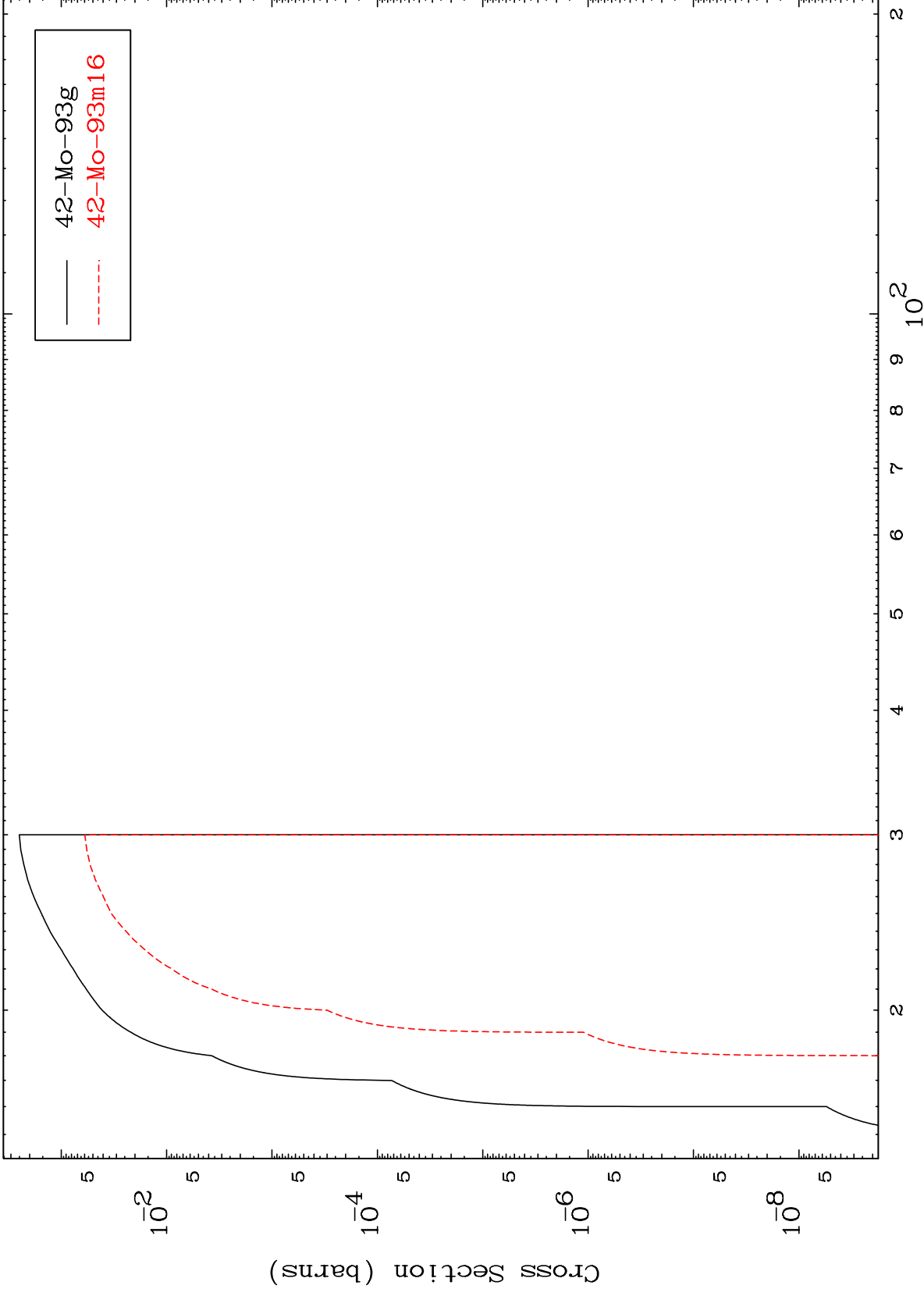
43-Tc-95

MAT 4313

(n,2n) p

43-Tc-95

Radionuclide Production Cross Section



42-Mo-93g
42-Mo-93m16

139

Incident Energy (MeV)

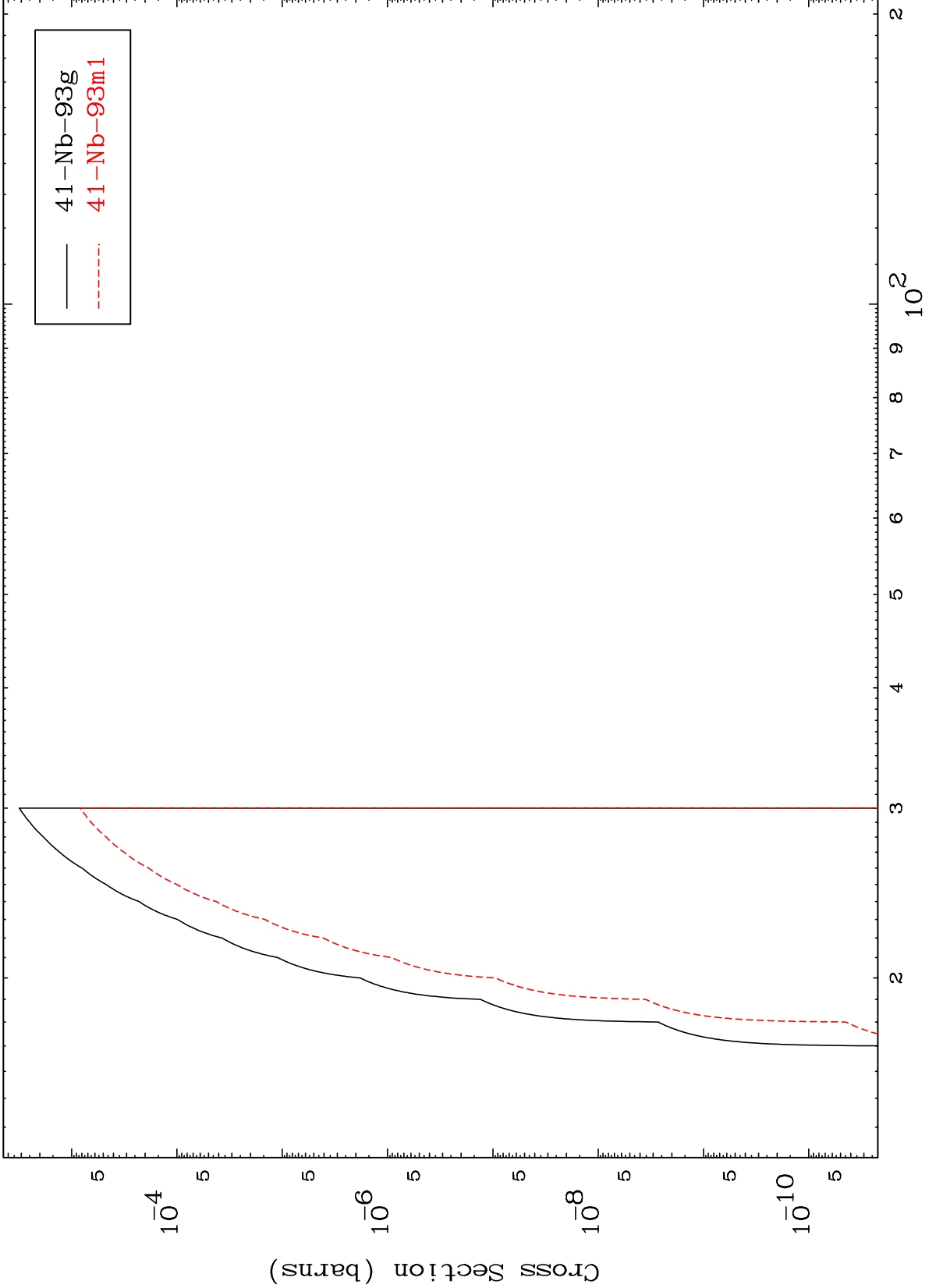
43-Tc-95

MAT 4313

(n,2n) p

43-Tc-95

Radionuclide Production Cross Section



41-Nb-93g
41-Nb-93m1

140

Incident Energy (MeV)

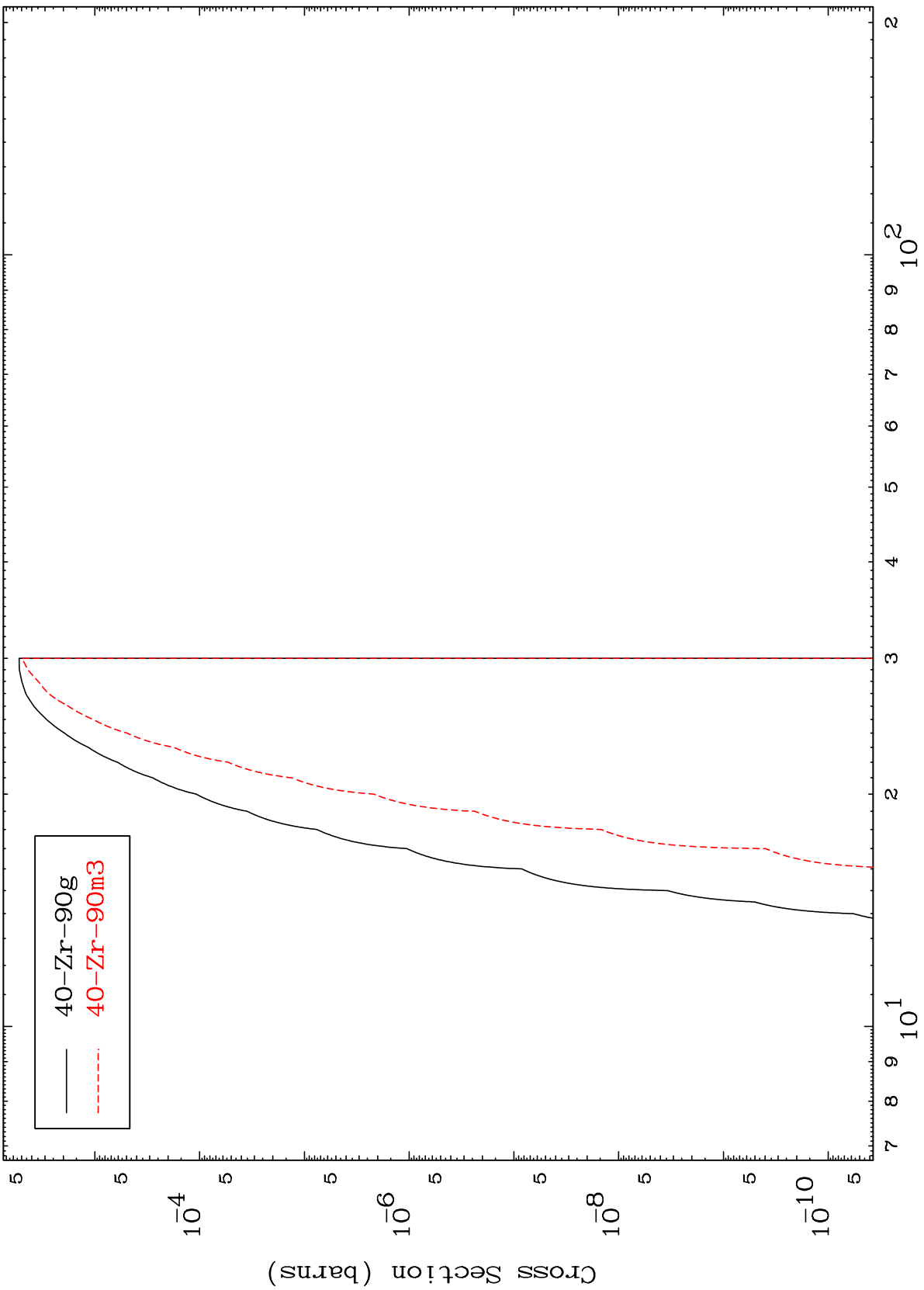
43-Tc-95

MAT 4313

(n,n') p α

43-Tc-95

Radionuclide Production Cross Section



— 40-Zr-90g
- - - 40-Zr-90m3

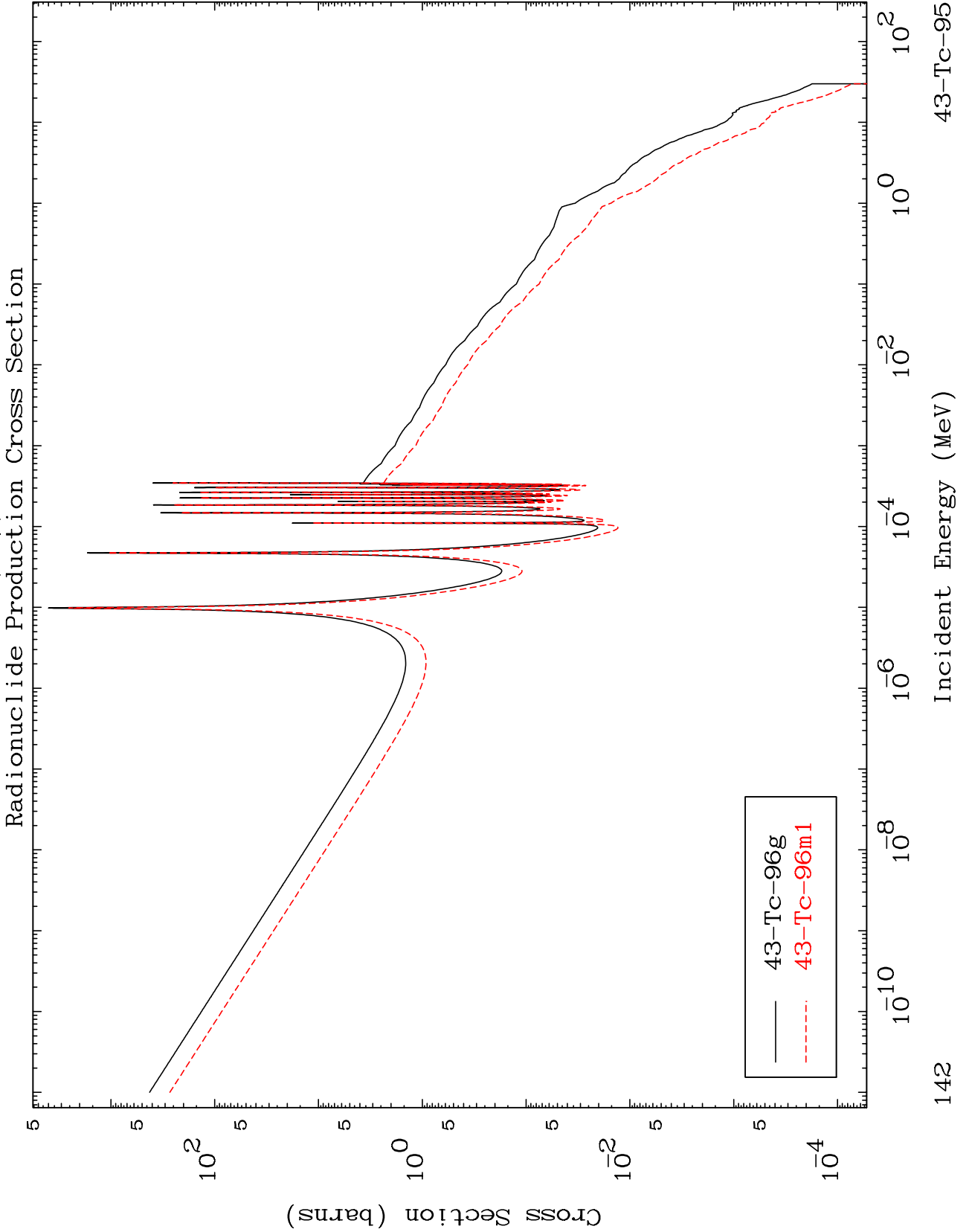
141

Incident Energy (MeV)

43-Tc-95

MAT 4313

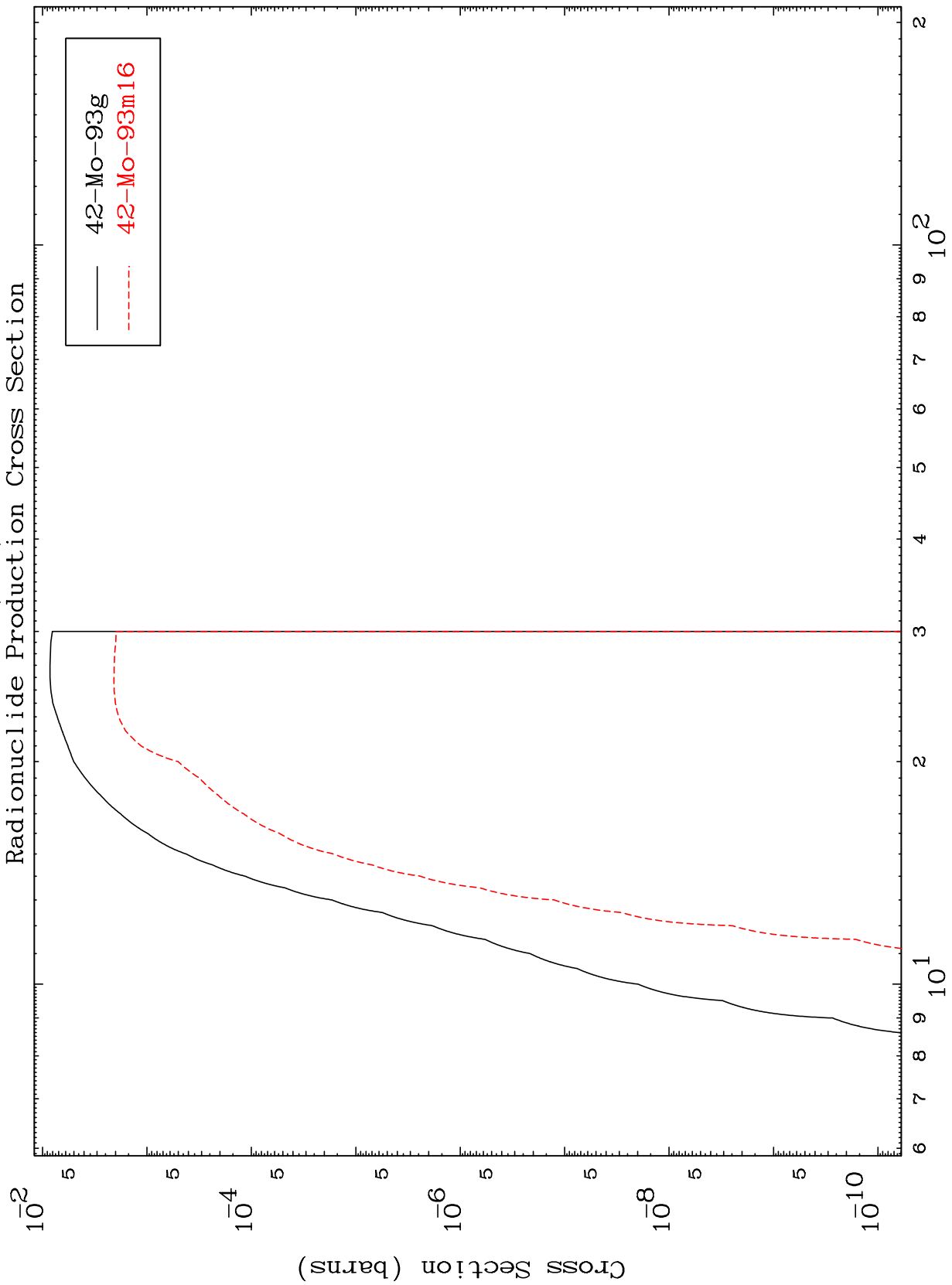
43-Tc-95



MAT 4313

43-Tc-95

(n, t)
Radionuclide Production Cross Section



143

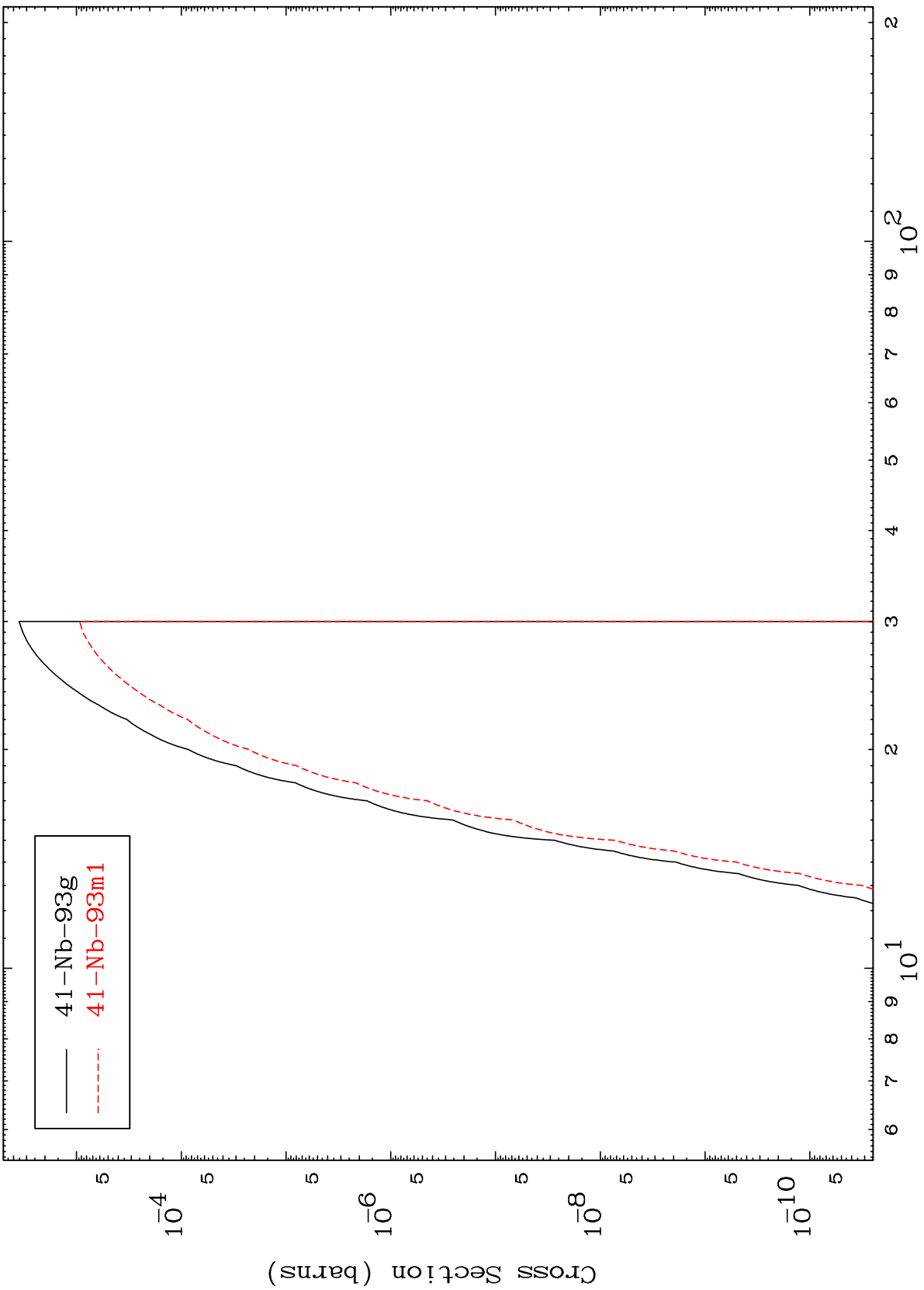
Incident Energy (MeV)

43-Tc-95

MAT 4313

43-Tc-95

Radionuclide Production Cross Section (n,He-3)



144

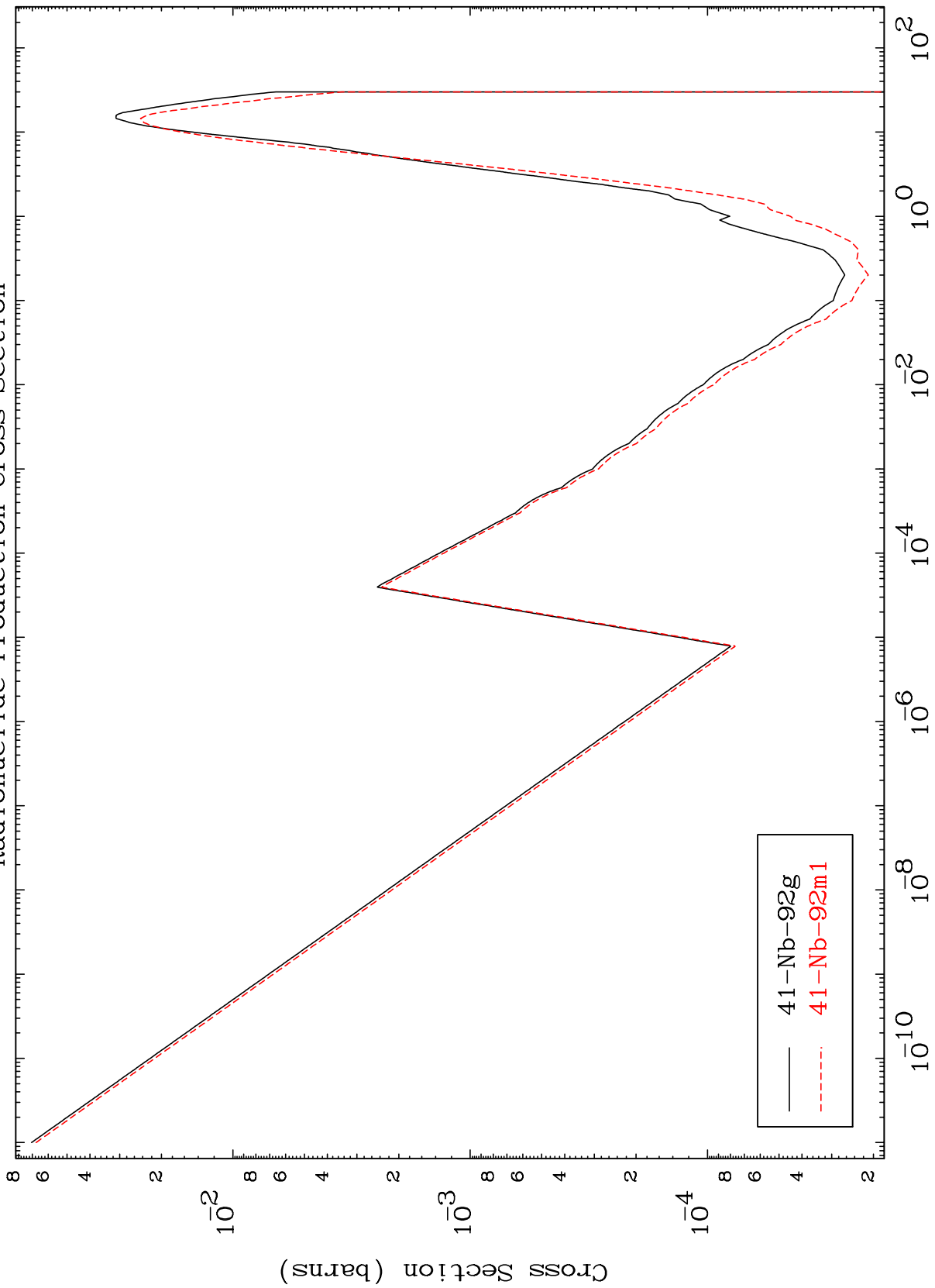
Incident Energy (MeV)

43-Tc-95

MAT 4313

43-Tc-95

(n, α)
Radionuclide Production Cross Section



145

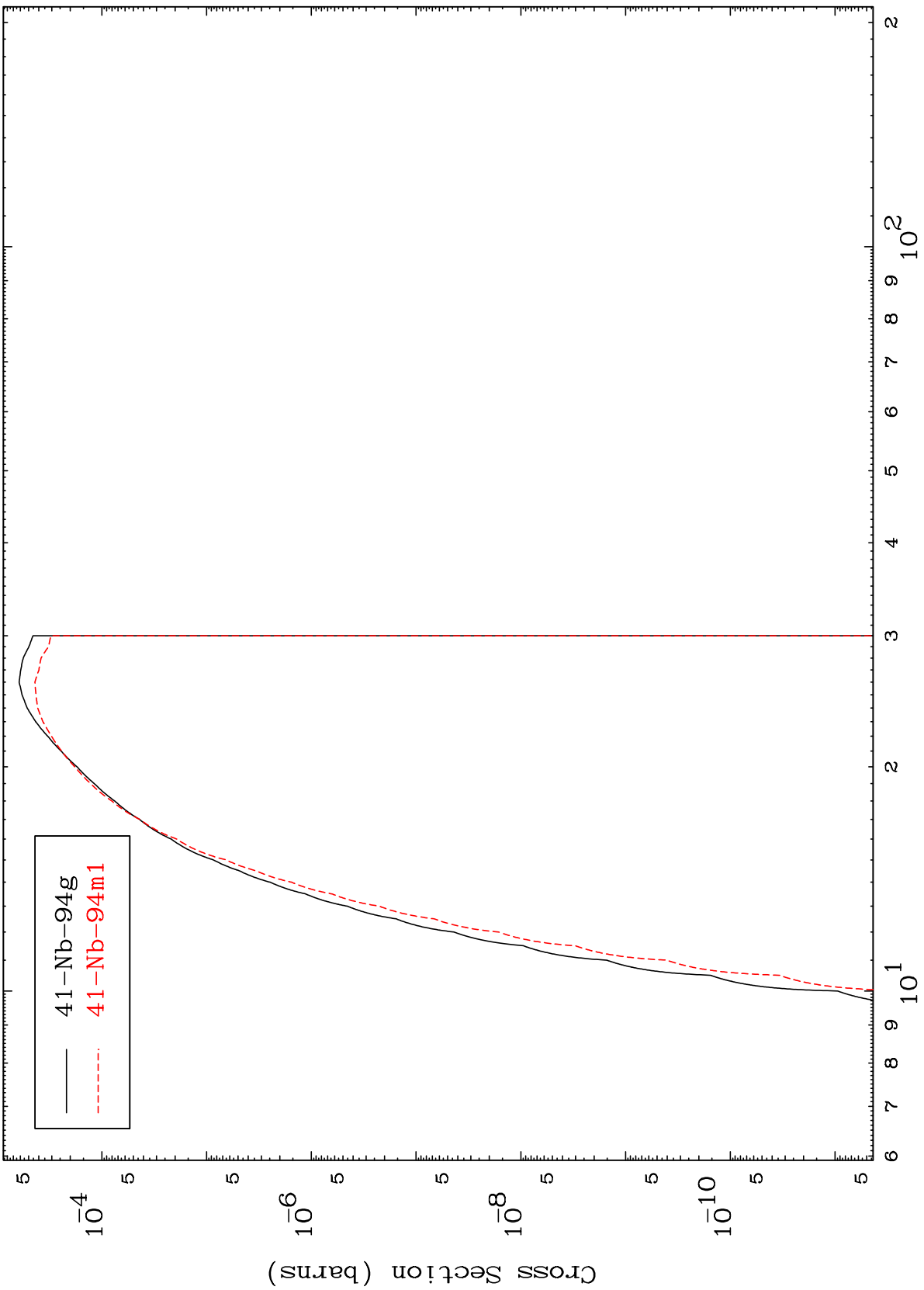
43-Tc-95

Incident Energy (MeV)

MAT 4313

43-Tc-95

(n,2p)
Radionuclide Production Cross Section



146

Incident Energy (MeV)

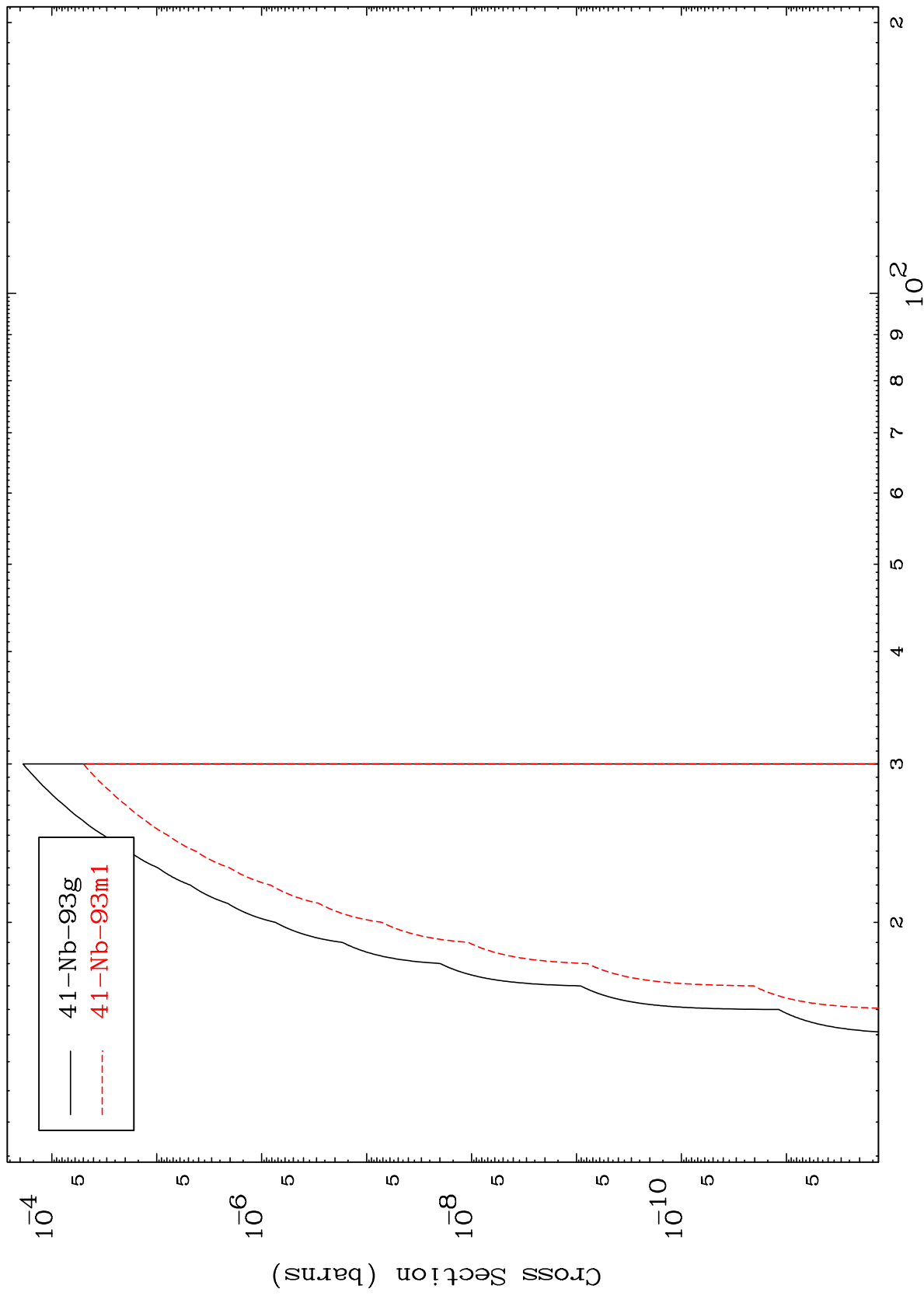
43-Tc-95

MAT 4313

(n,p) d

43-Tc-95

Radionuclide Production Cross Section



147

Incident Energy (MeV)

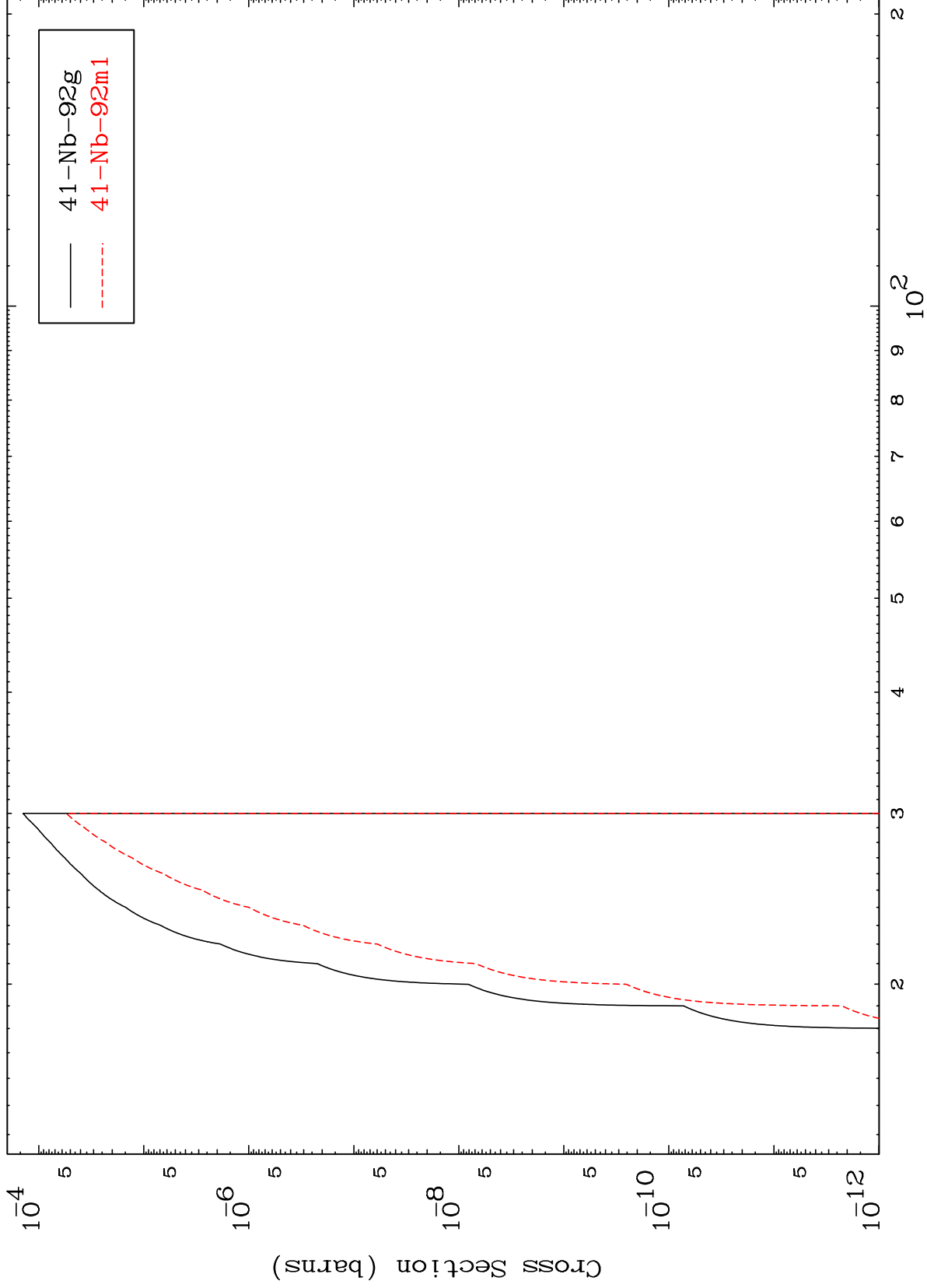
43-Tc-95

MAT 4313

(n,p) t

43-Tc-95

Radionuclide Production Cross Section



148

Incident Energy (MeV)

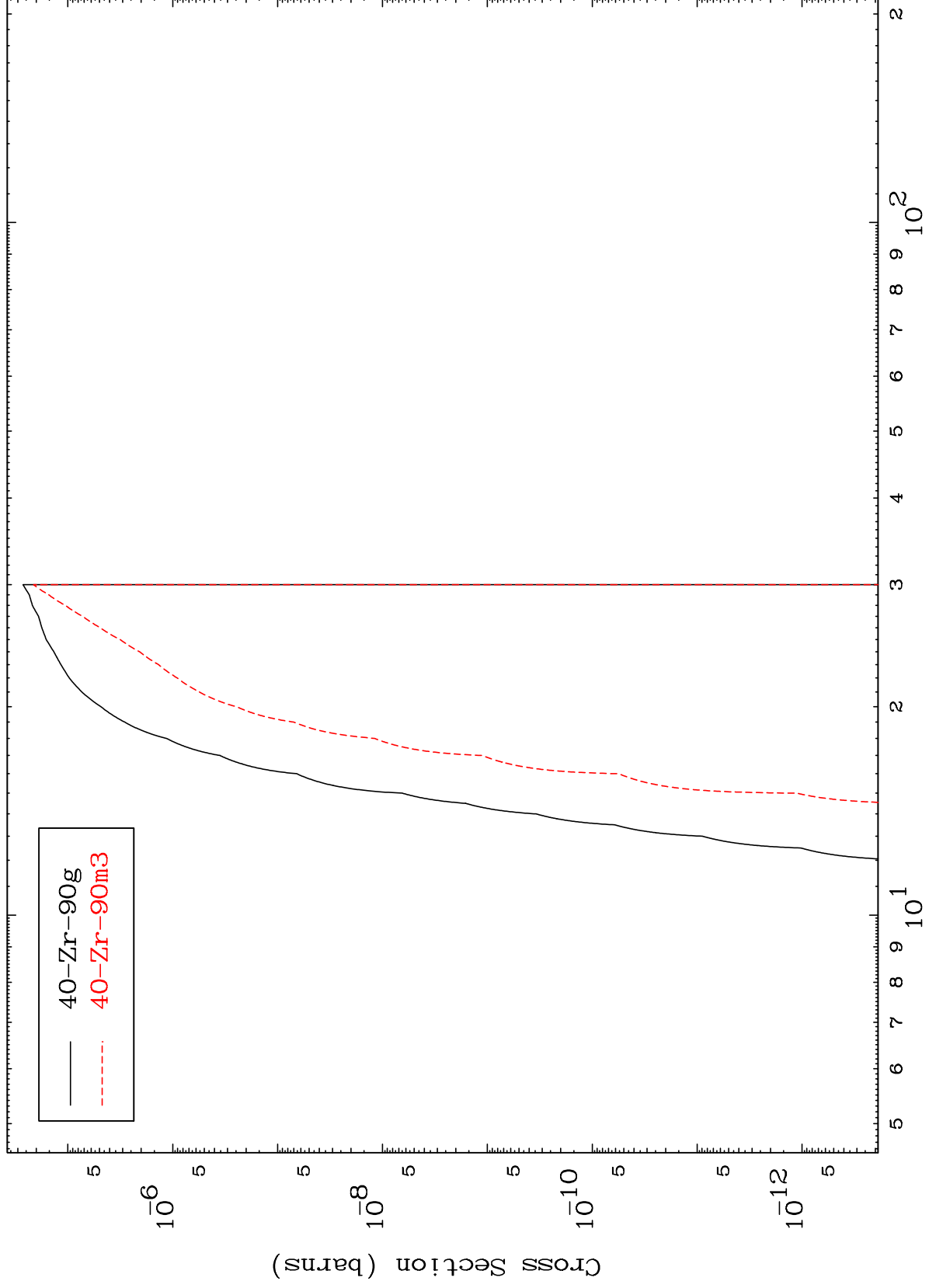
43-Tc-95

MAT 4313

(n,d) α

43-Tc-95

Radionuclide Production Cross Section



149

Incident Energy (MeV)

43-Tc-95