

Program EVALPLOT
(Version 2015-2)

by

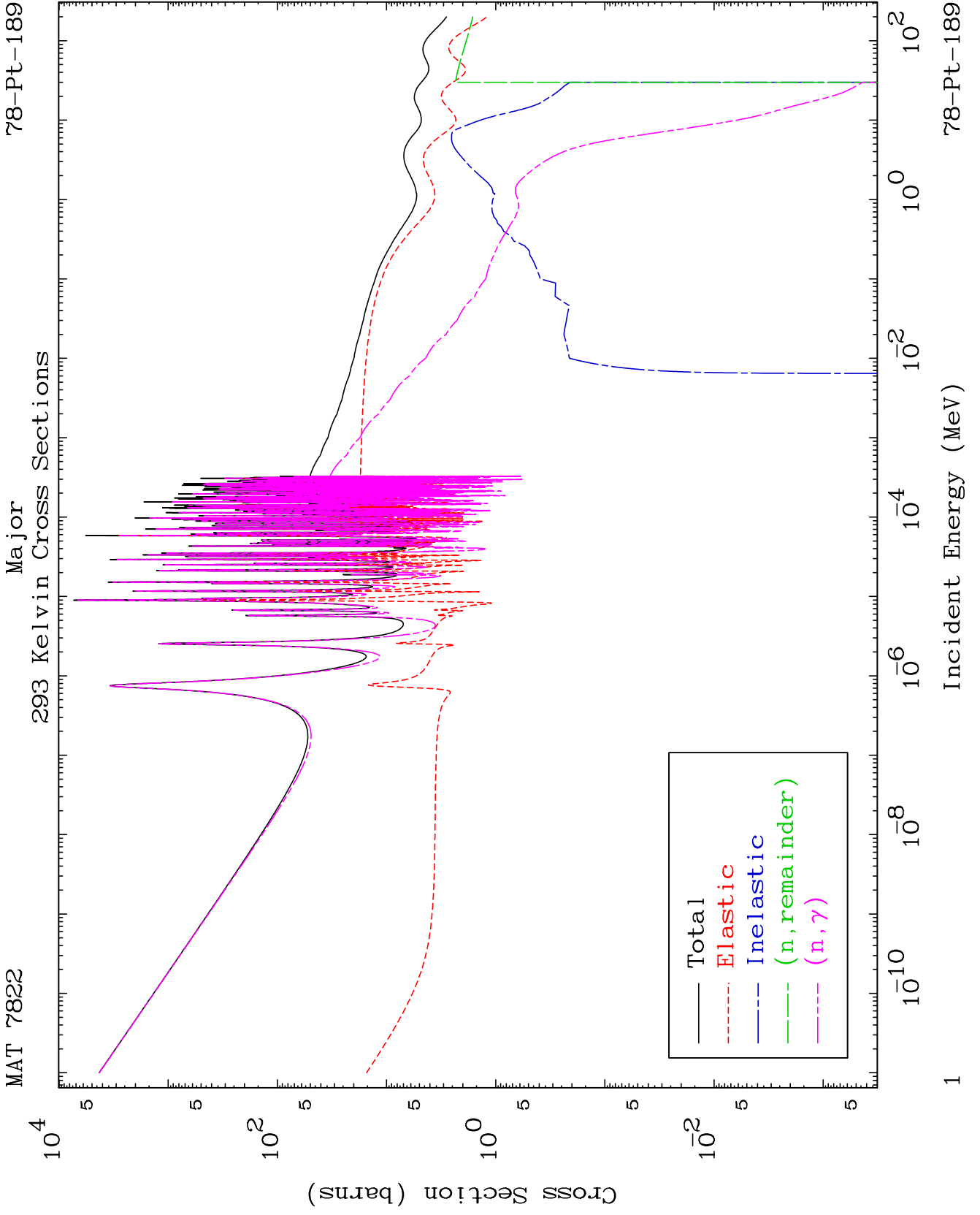
Dermott E. Cullen
(Present Contact Information)

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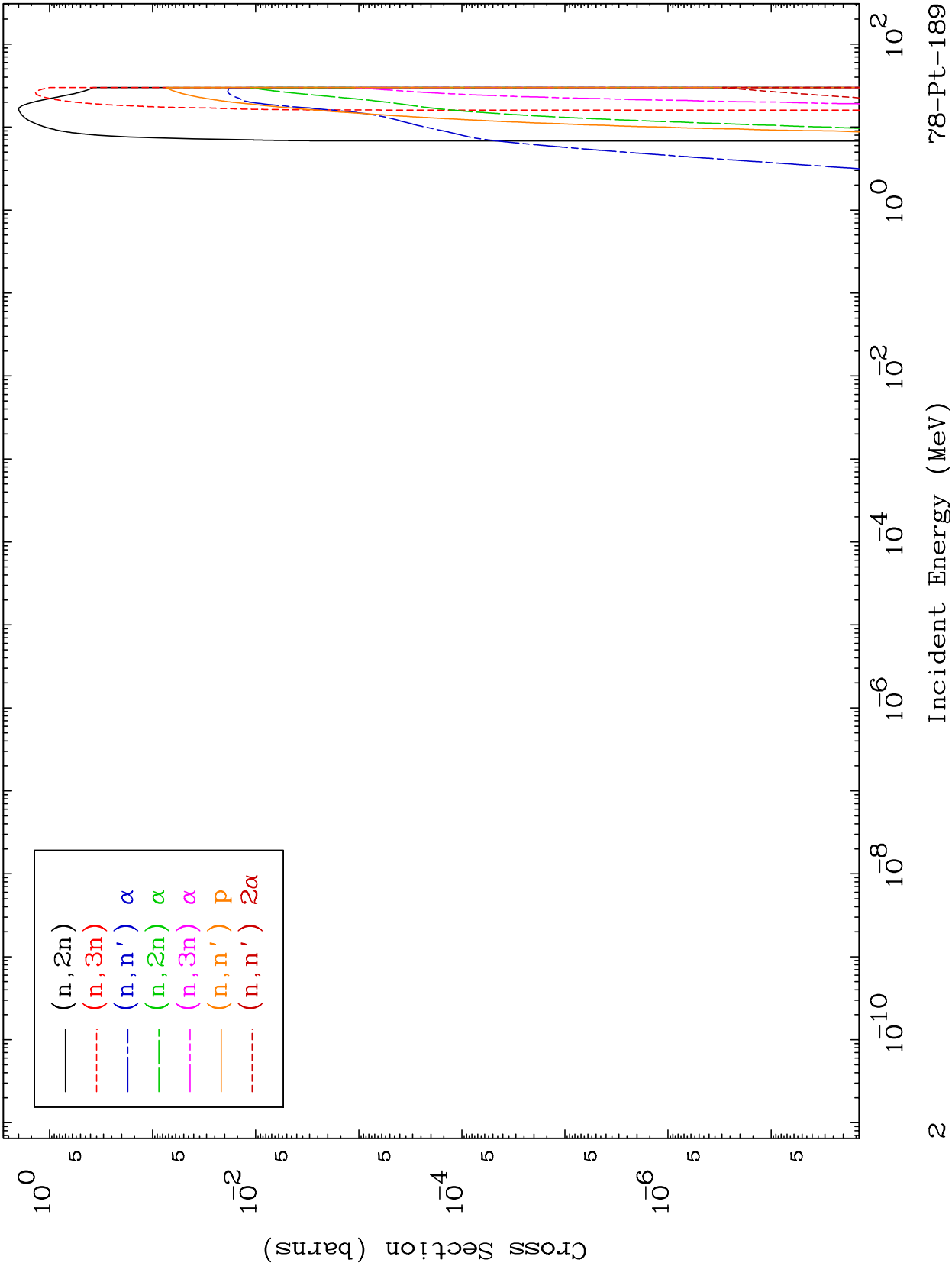
Press Mouse Button to Start



MAT 7822

Neutron Production
293 Kelvin Cross Sections

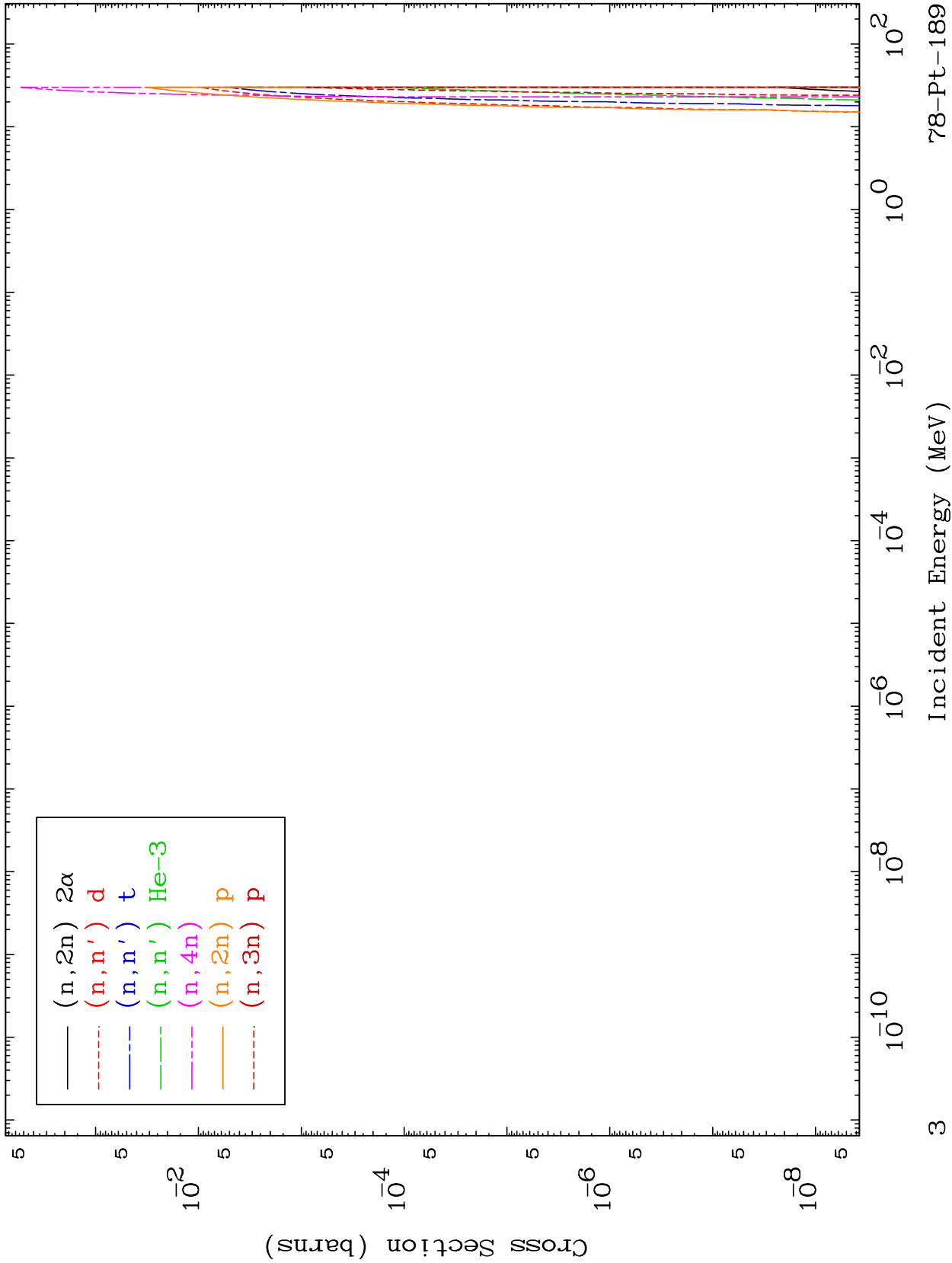
78-Pt-189



MAT 7822

Neutron Production
293 Kelvin Cross Sections

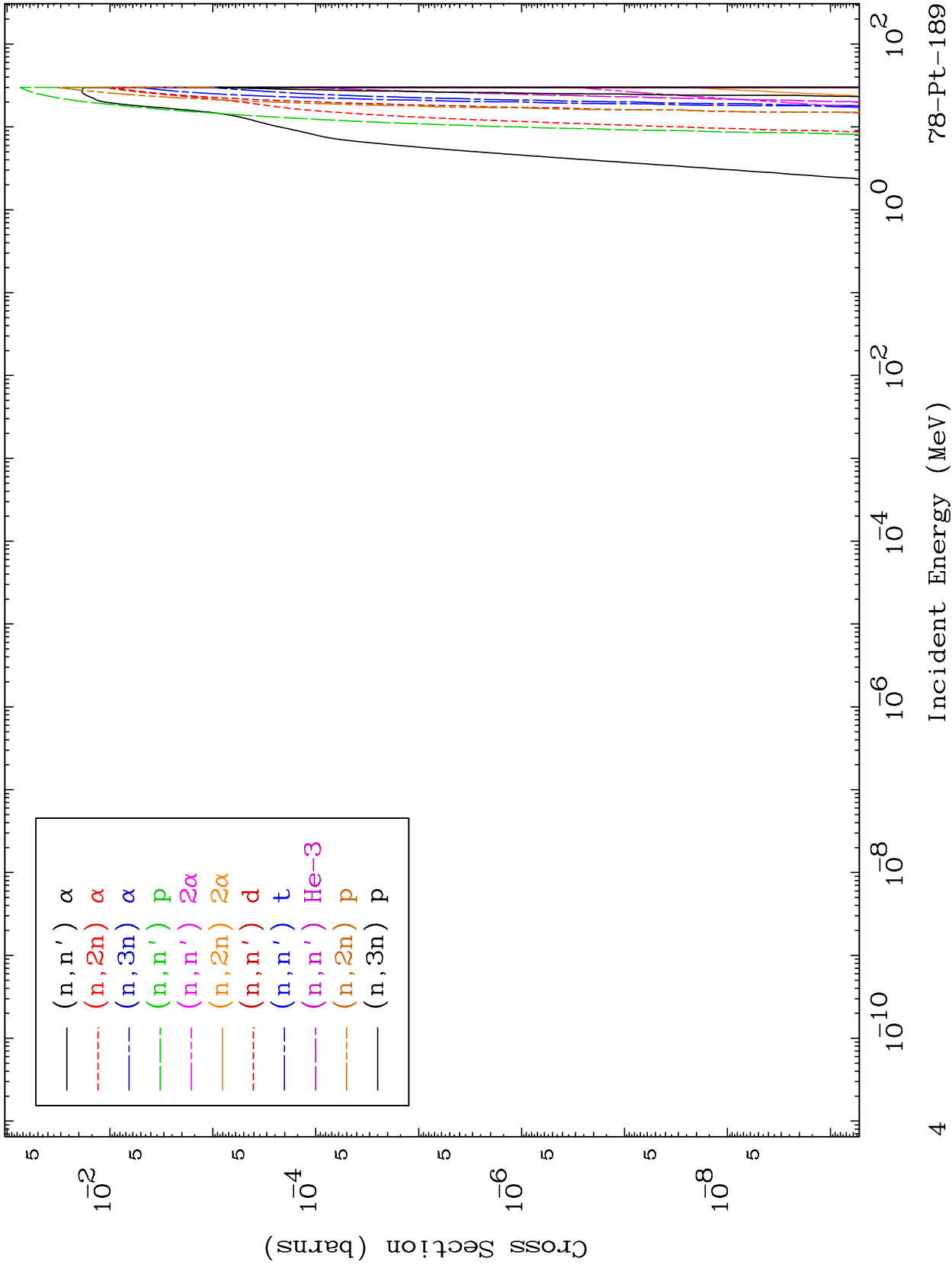
78-Pt-189



MAT 7822

Charged Particle
293 Kelvin Cross Sections

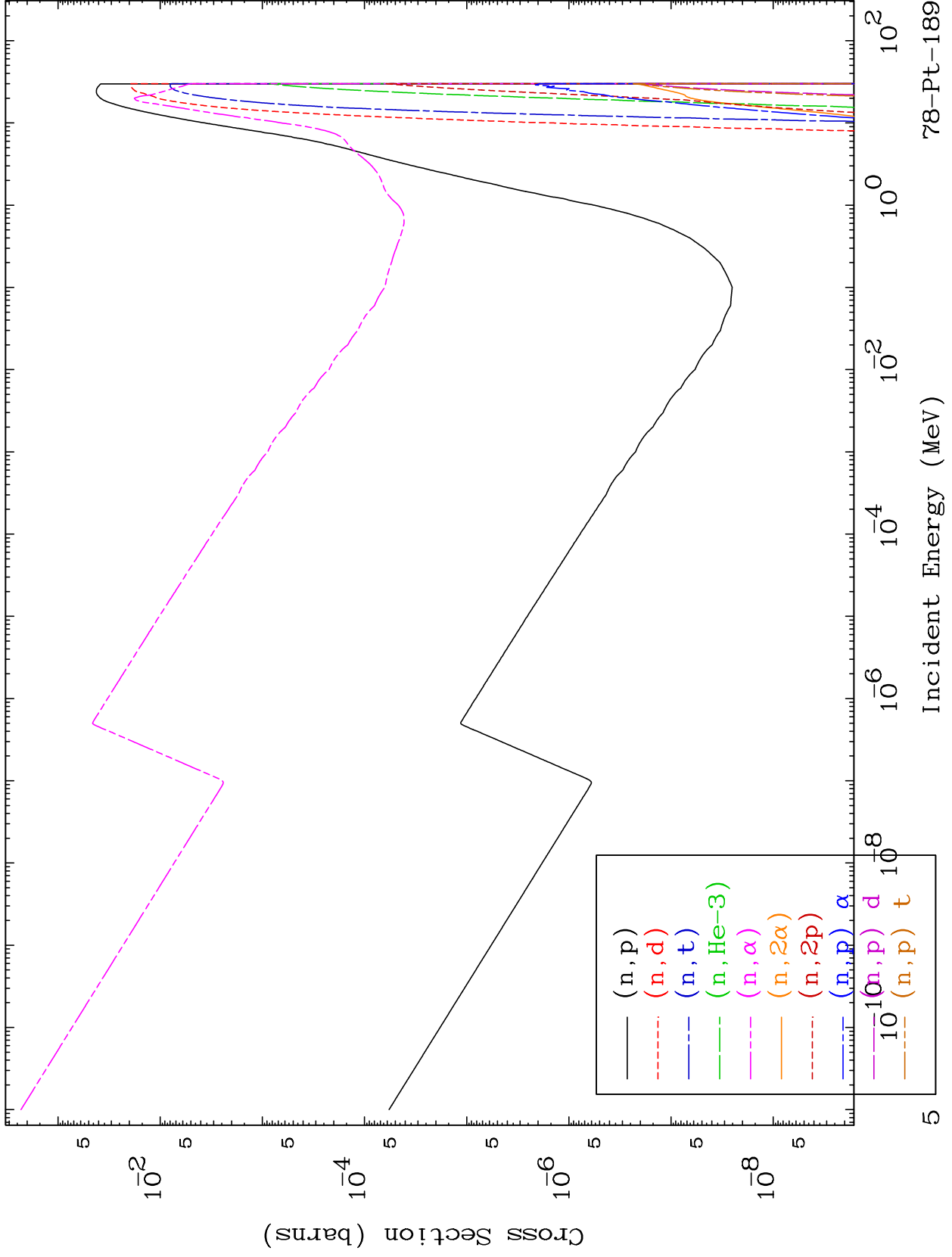
78-Pt-189



MAT 78222

Charged Particle
293 Kelvin Cross Sections

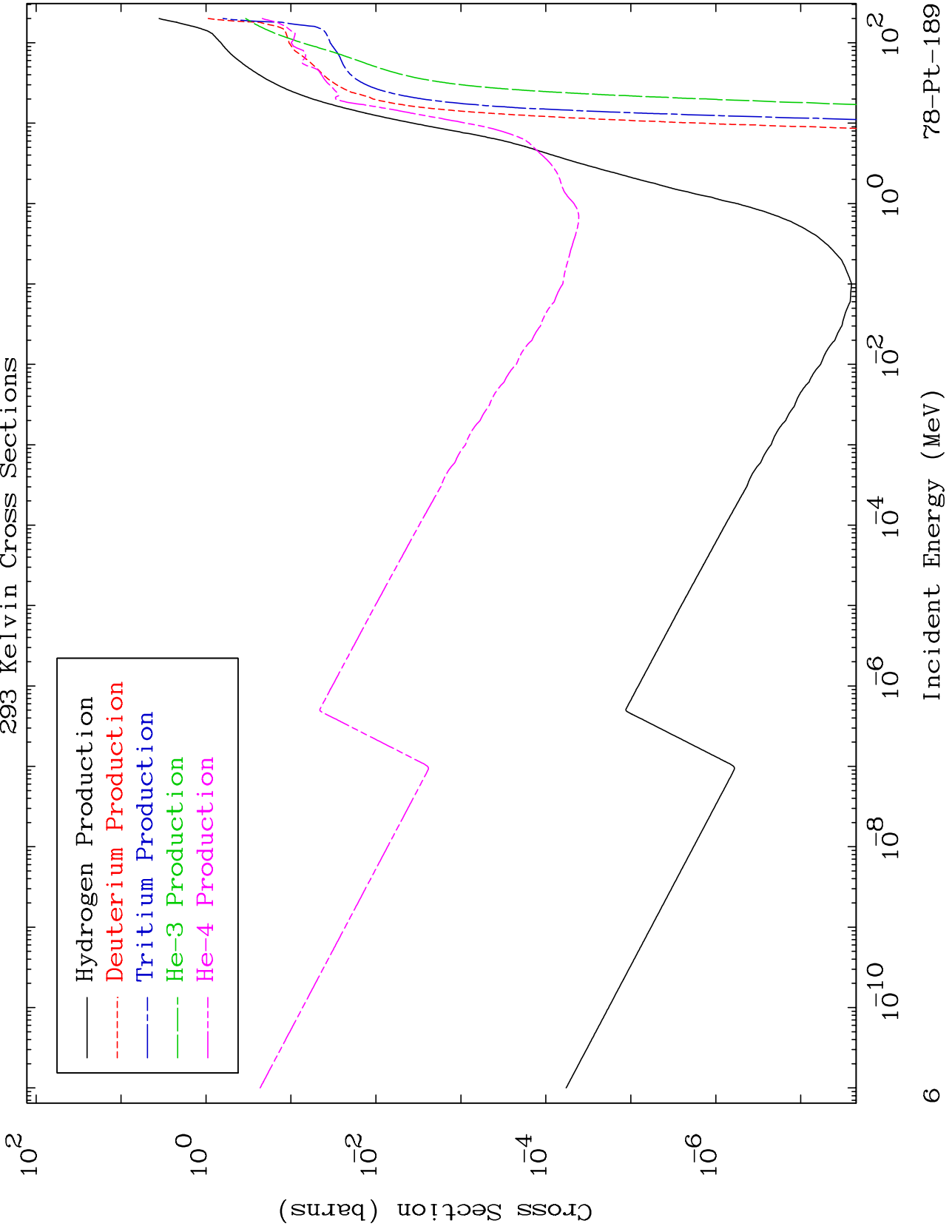
78-Pt-189



MAT 7822

Particle Production
293 Kelvin Cross Sections

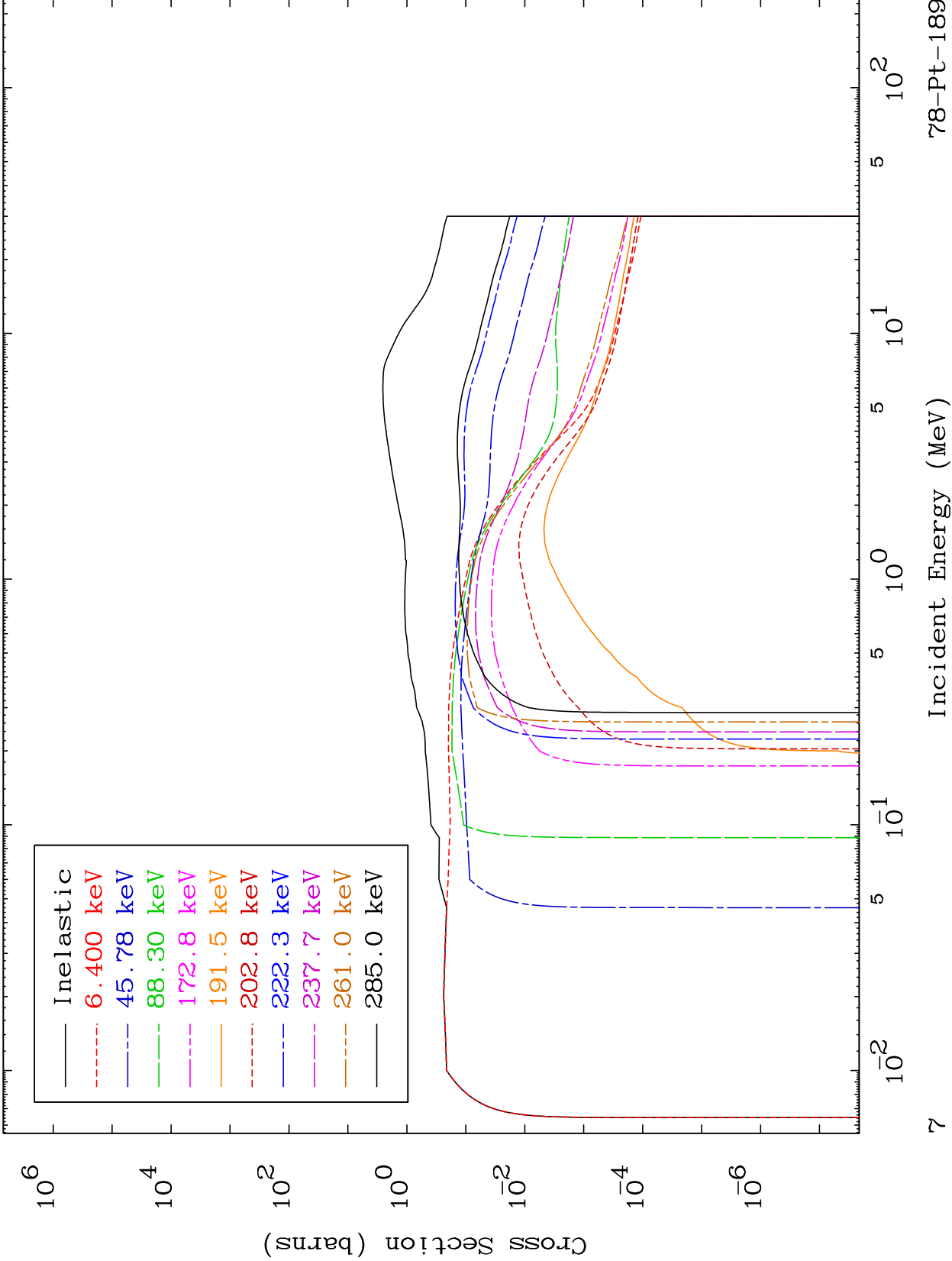
78-Pt-189



MAT 78222

(n,n') Level
293 Kelvin Cross Sections

78-Pt-189

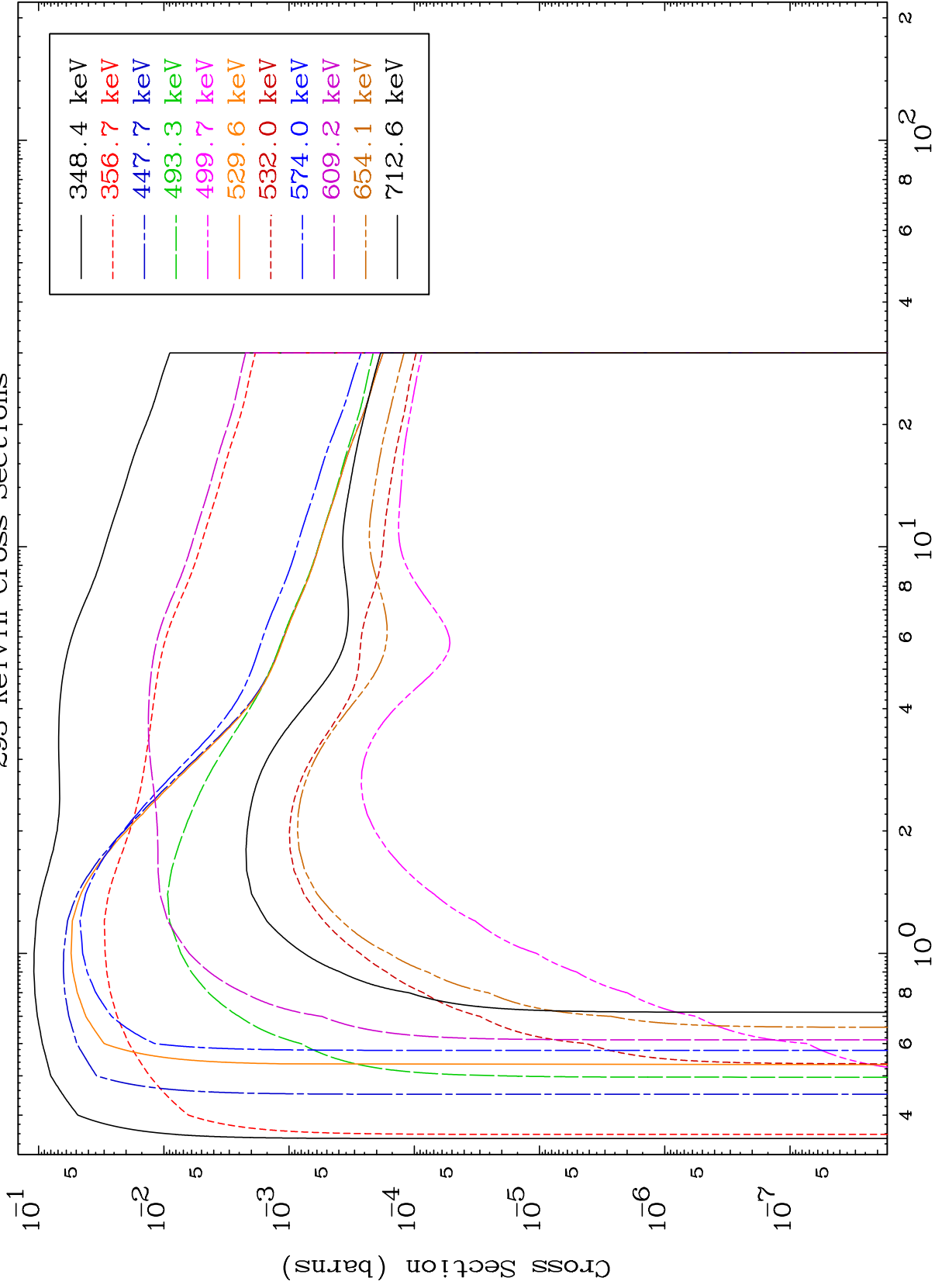


MAT 7822

(n,n') Level

78-Pt-189

293 Kelvin Cross Sections



8

Incident Energy (MeV)

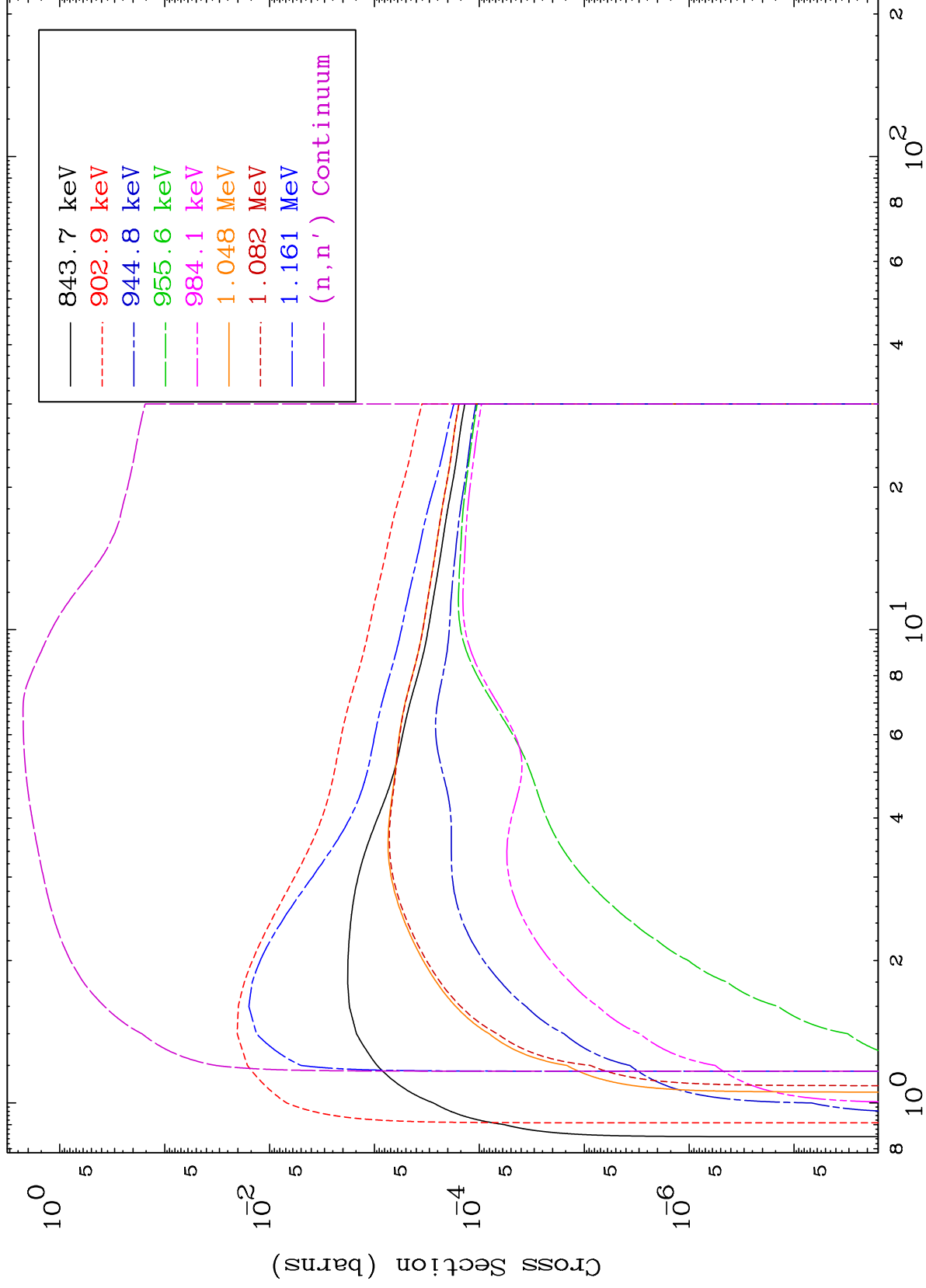
78-Pt-189

MAT 7822

(n,n') Level

78-Pt-189

293 Kelvin Cross Sections



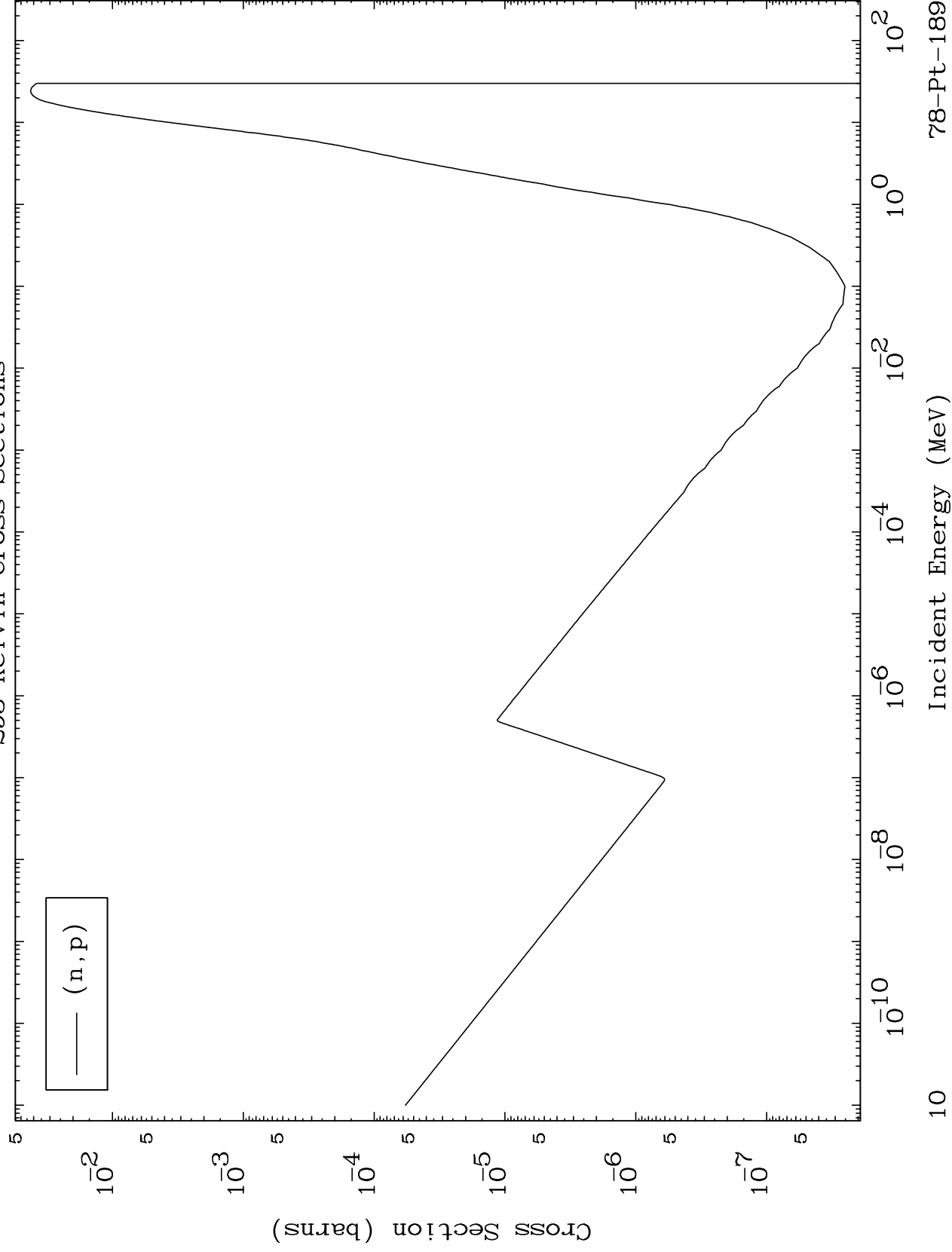
Incident Energy (MeV)

78-Pt-189

MAT 7822

(n,p) Levels
293 Kelvin Cross Sections

78-Pt-189



78-Pt-189

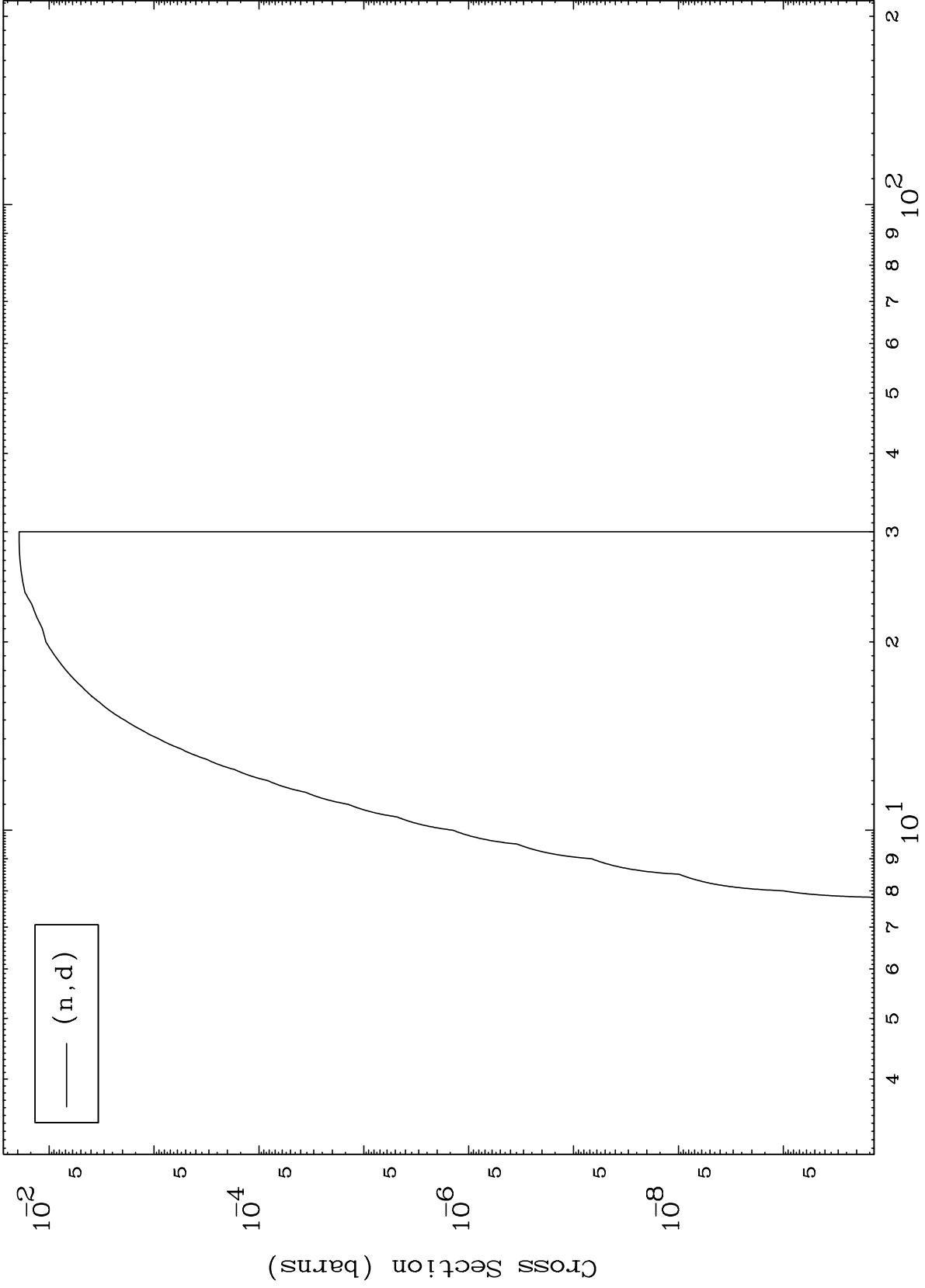
Incident Energy (MeV)

10

MAT 78222

(n,d) Levels
293 Kelvin Cross Sections

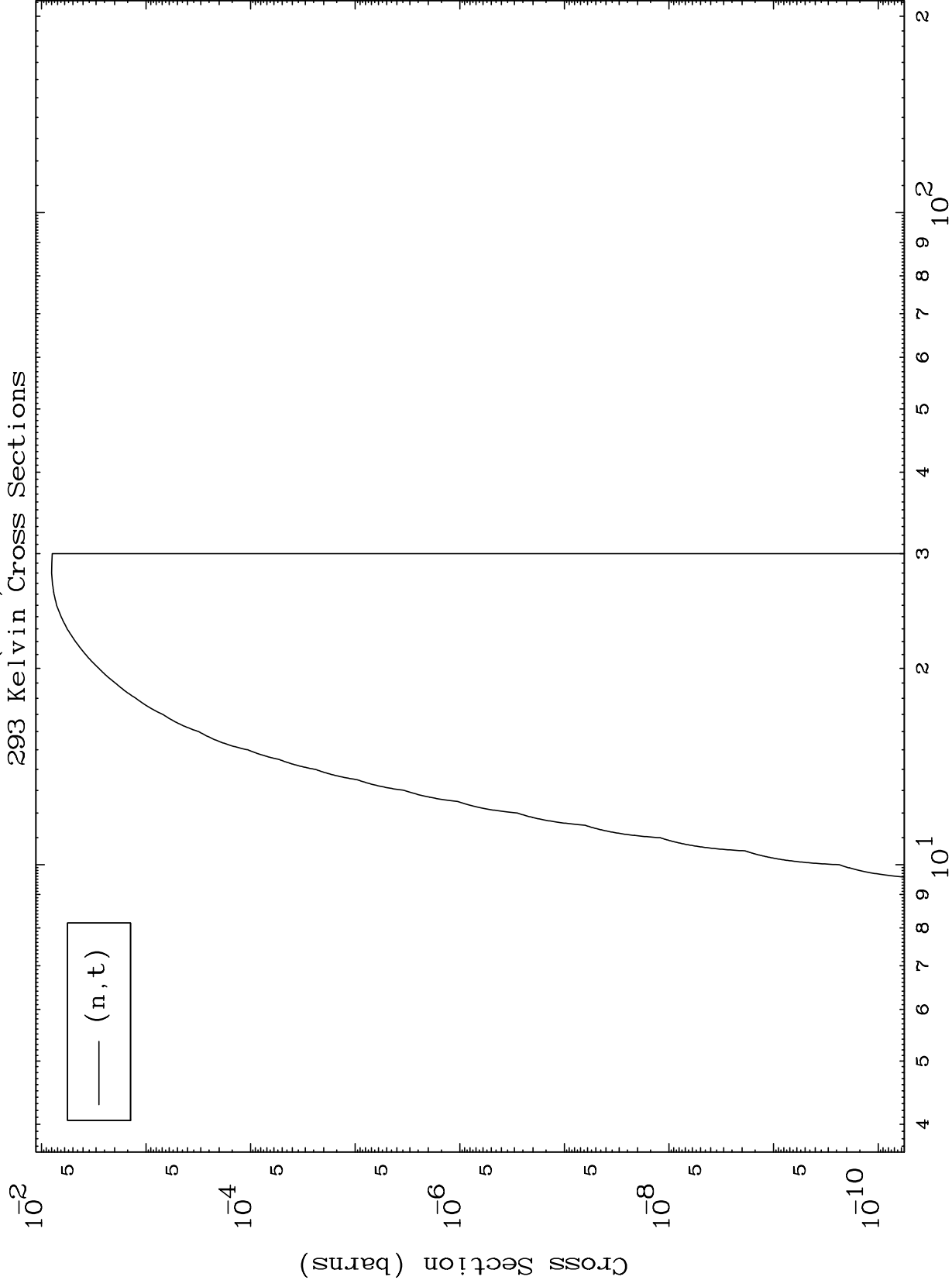
78-Pt-189



MAT 7822

(n,t) Levels
293 Kelvin Cross Sections

78-Pt-189



12

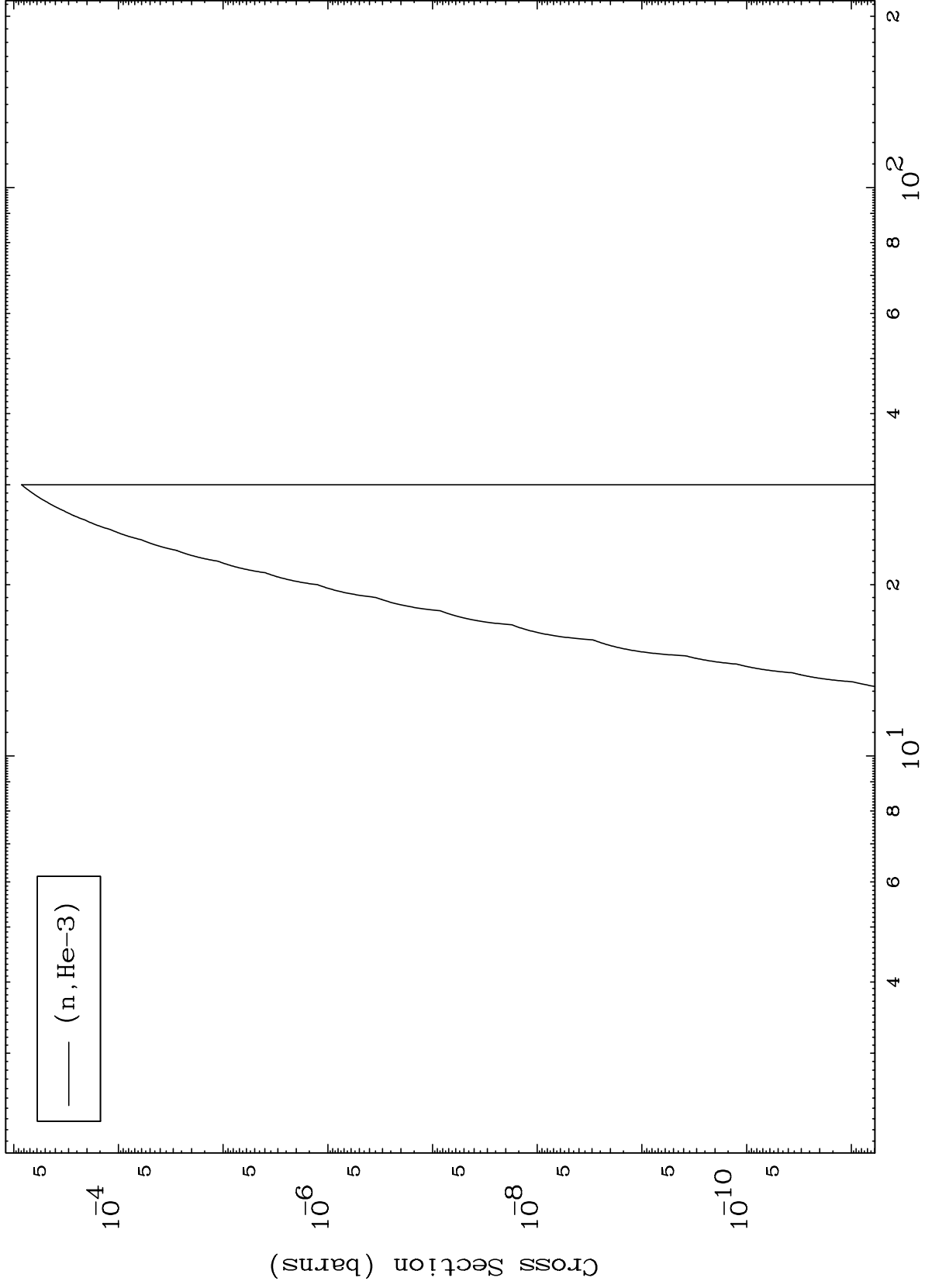
Incident Energy (MeV)

78-Pt-189

MAT 7822

(n,He3) Levels
293 Kelvin Cross Sections

78-Pt-189



13

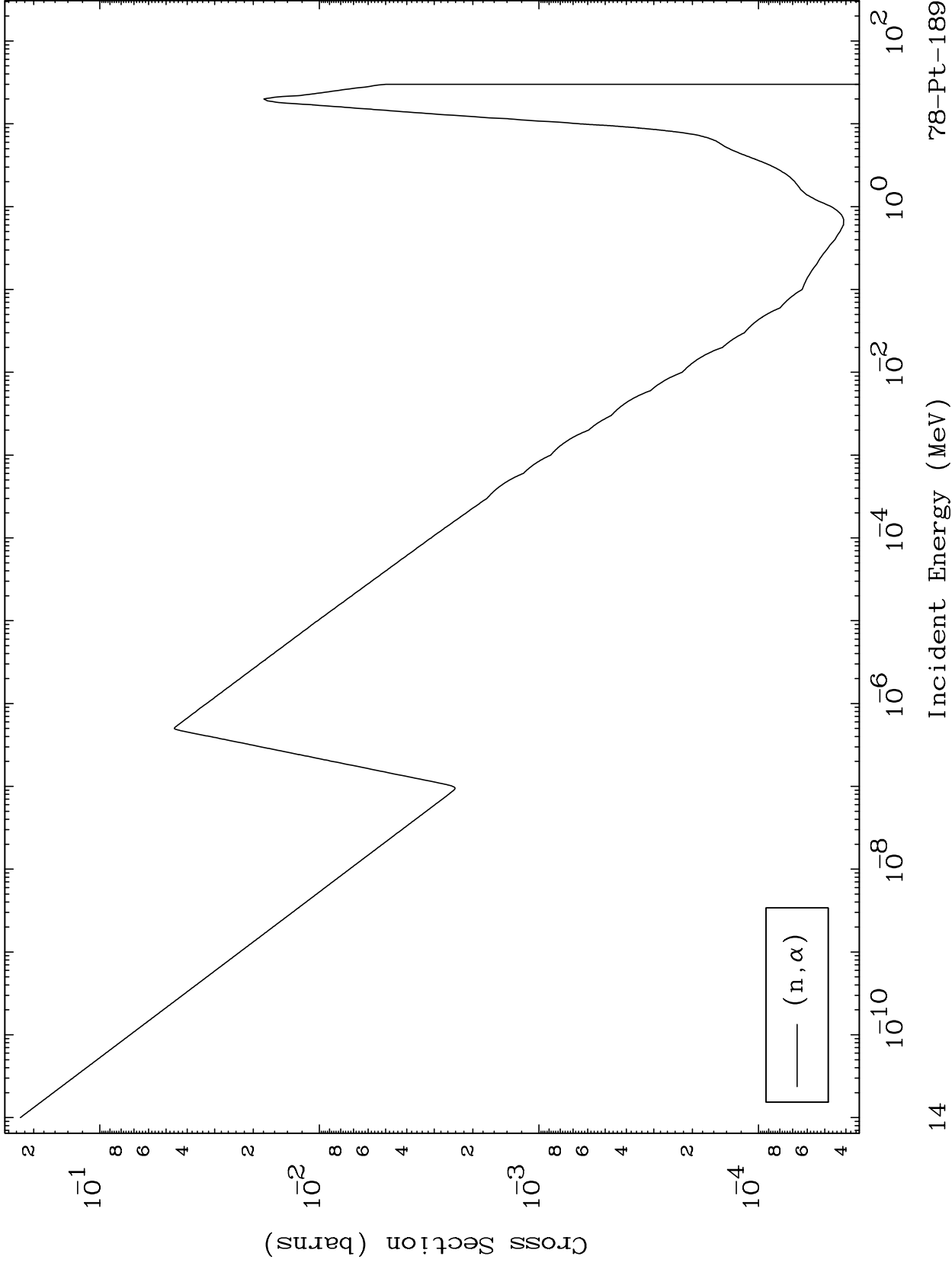
Incident Energy (MeV)

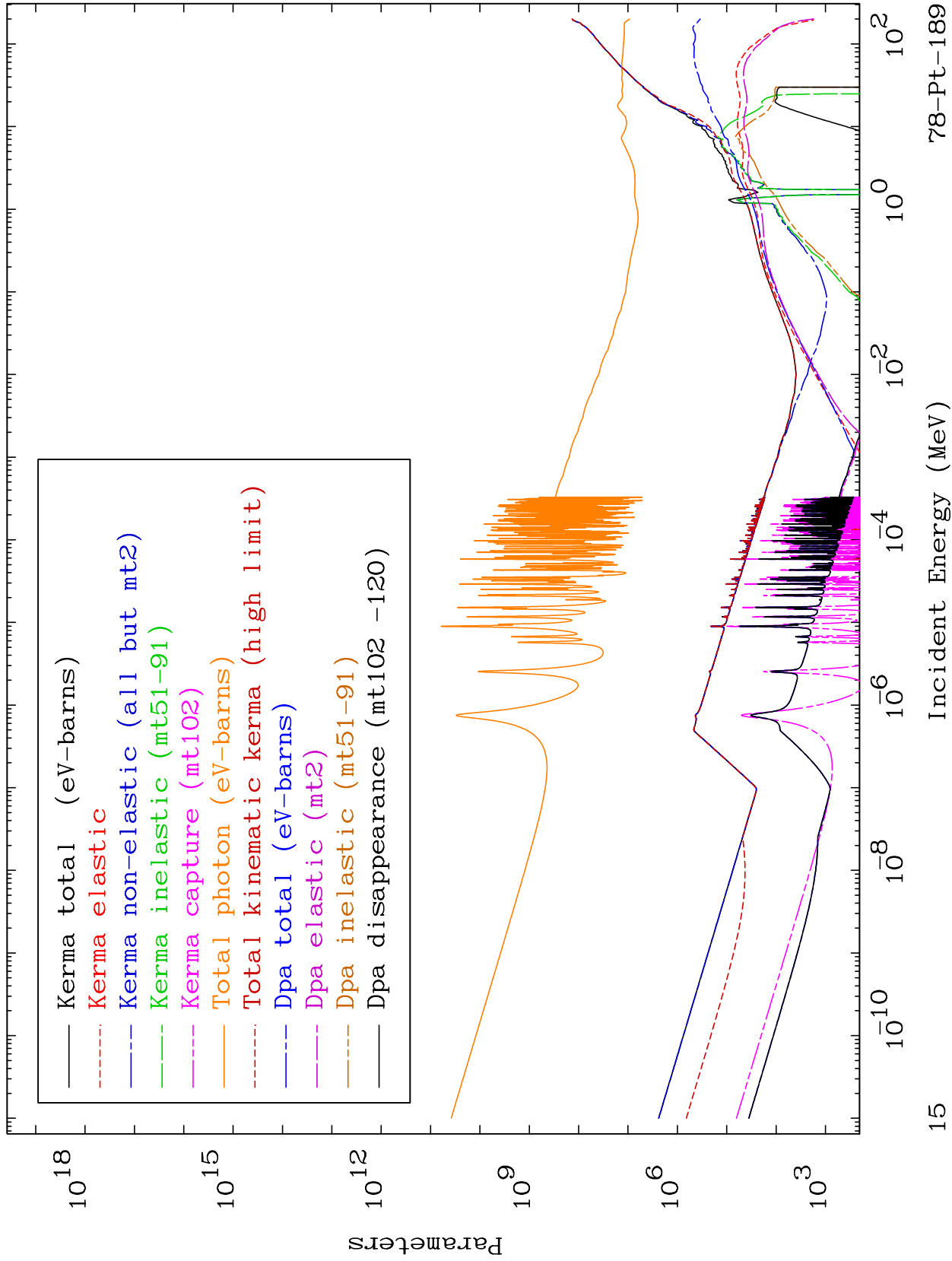
78-Pt-189

MAT 78222

(n,α) Levels
293 Kelvin Cross Sections

78-Pt-189

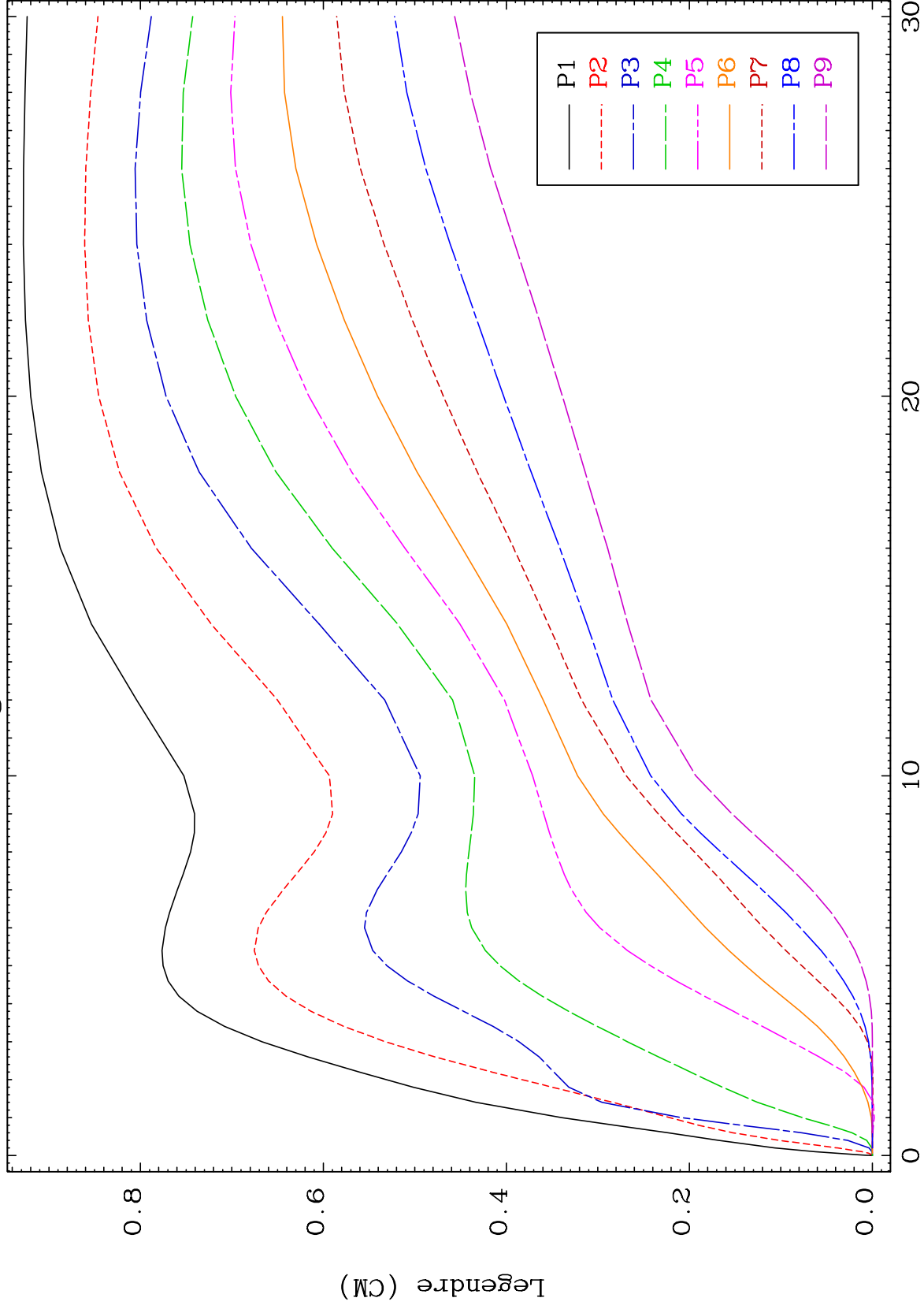




MAT 7822

Elastic Legendre Coefficients

78-Pt-189



16

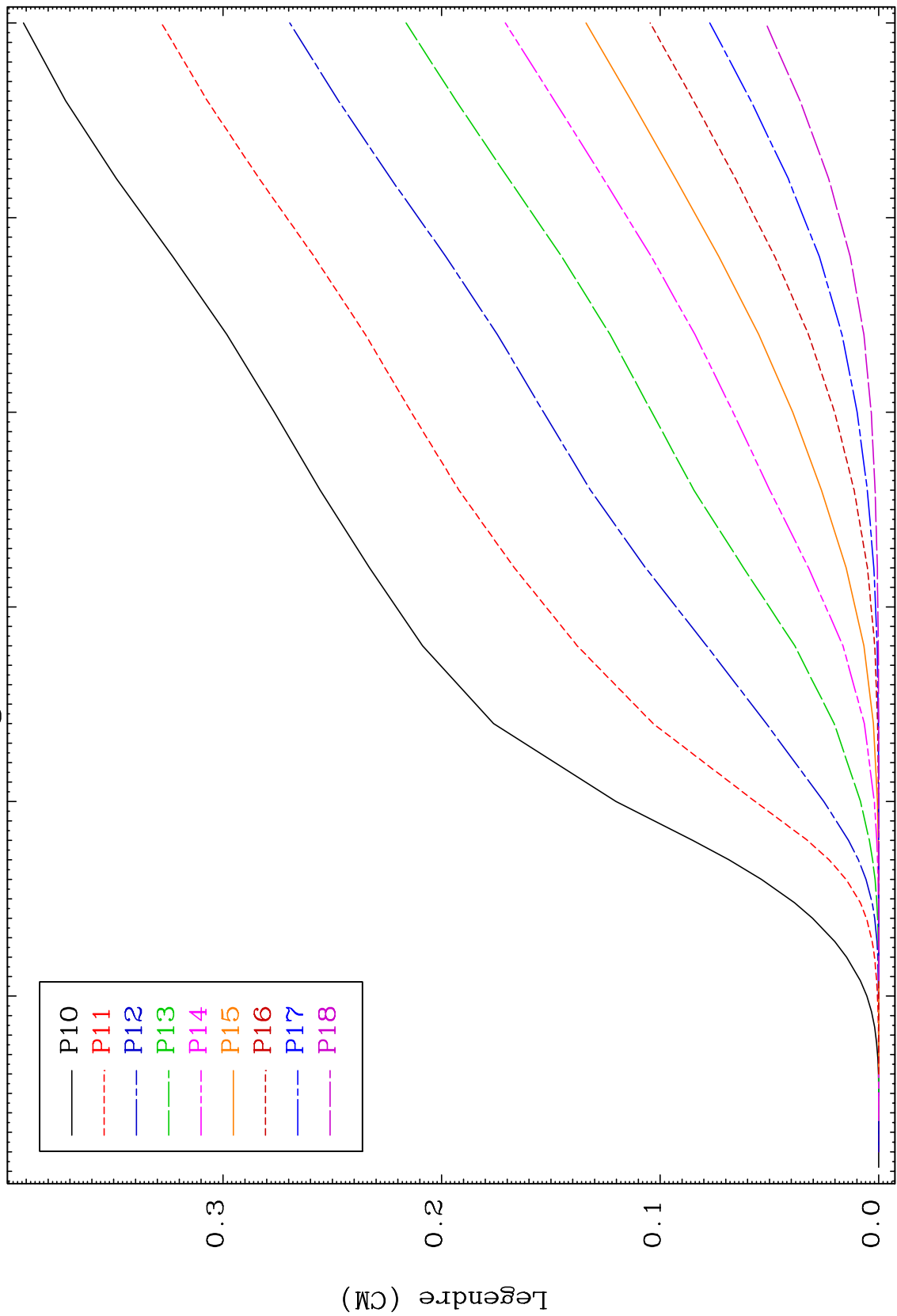
Incident Energy (MeV)

78-Pt-189

MAT 7822

Elastic Legendre Coefficients

78-Pt-189



17

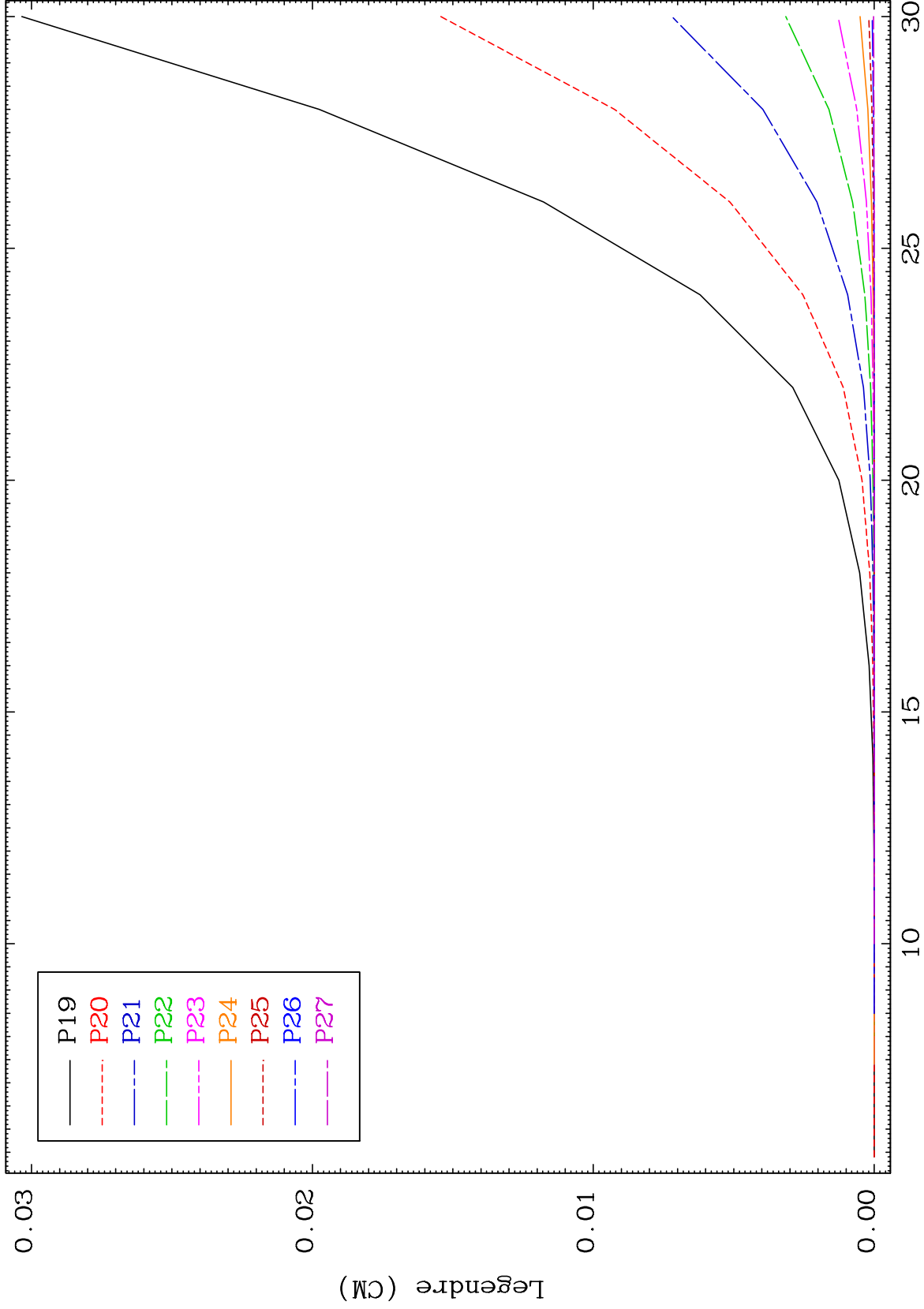
Incident Energy (MeV)

78-Pt-189

MAT 7822

Elastic
Legendre Coefficients

78-Pt-189



18

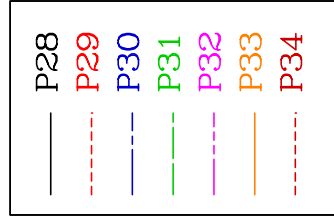
Incident Energy (MeV)

78-Pt-189

MAT 7822

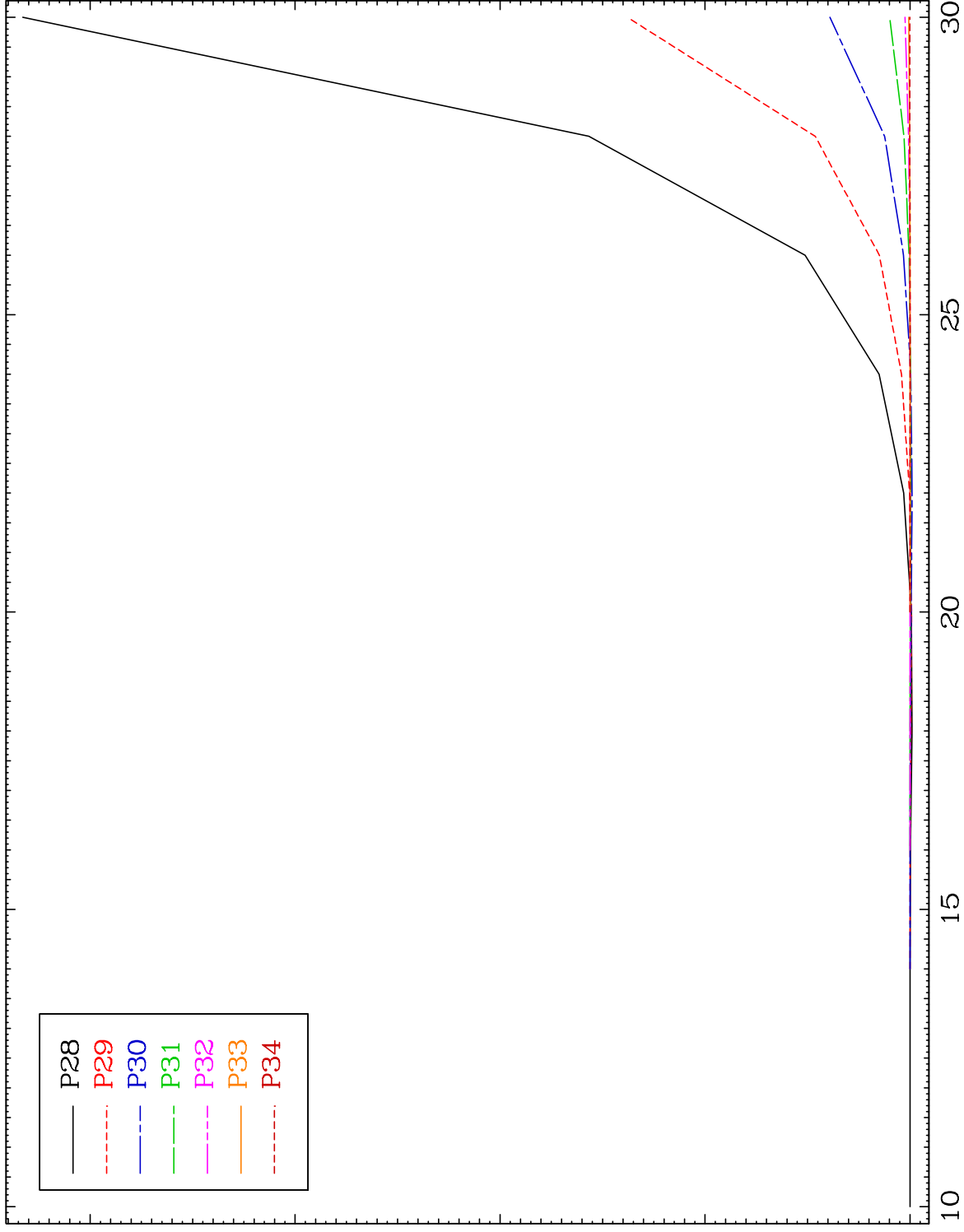
Elastic
Legendre Coefficients

78-Pt-189



$\times 10^{-6}$

Legendre (CM)



10

Incident Energy (MeV)

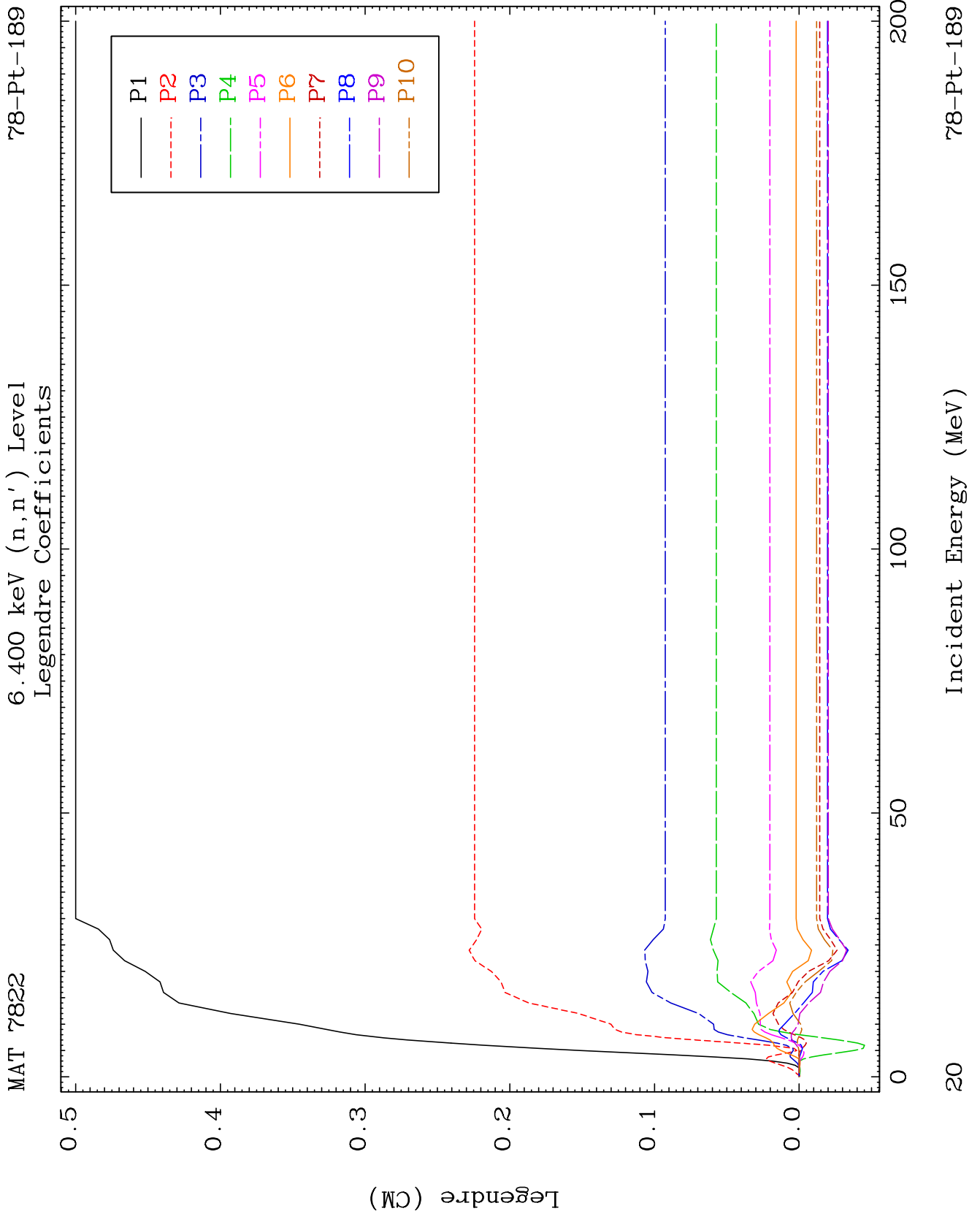
78-Pt-189

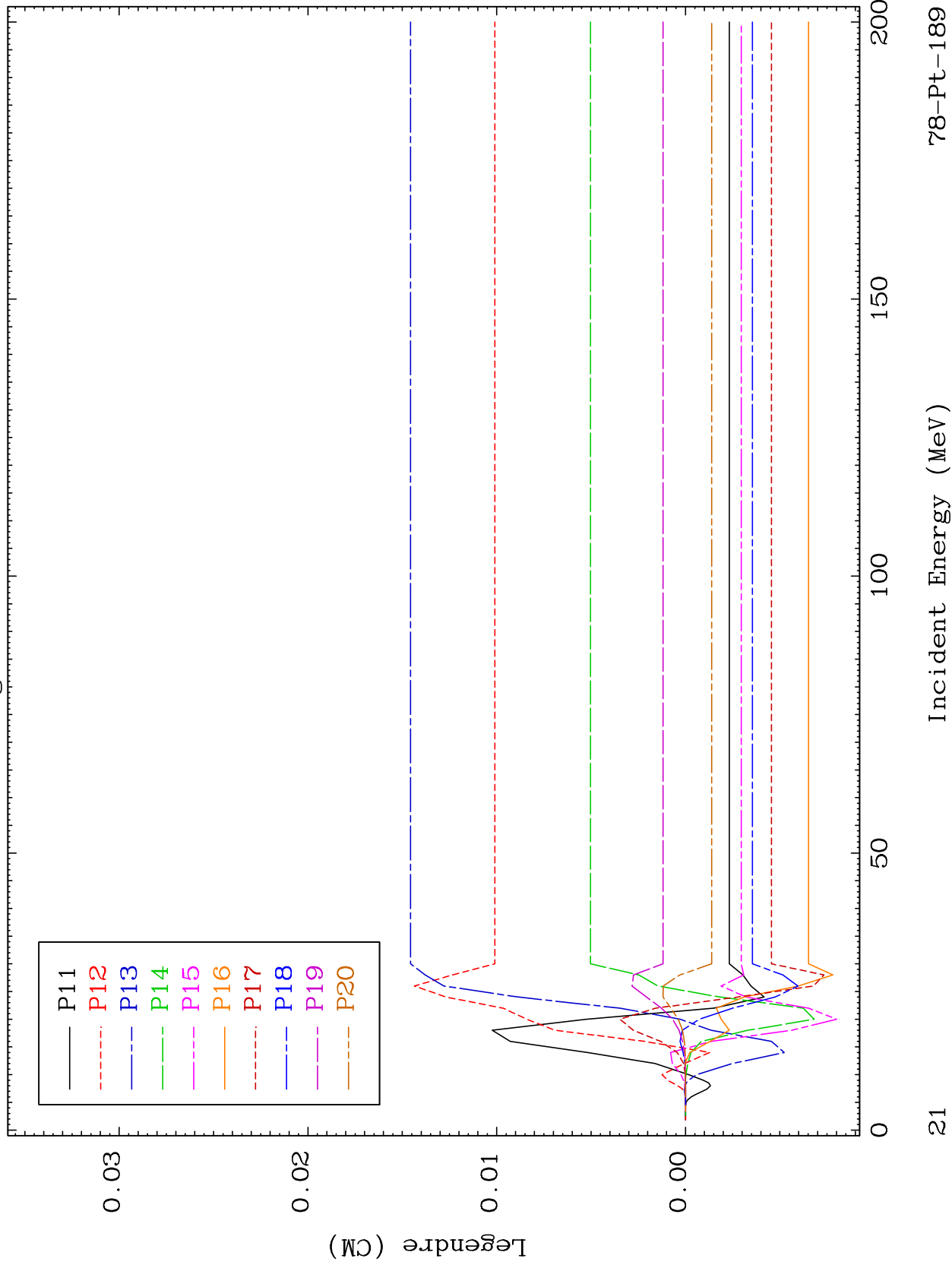
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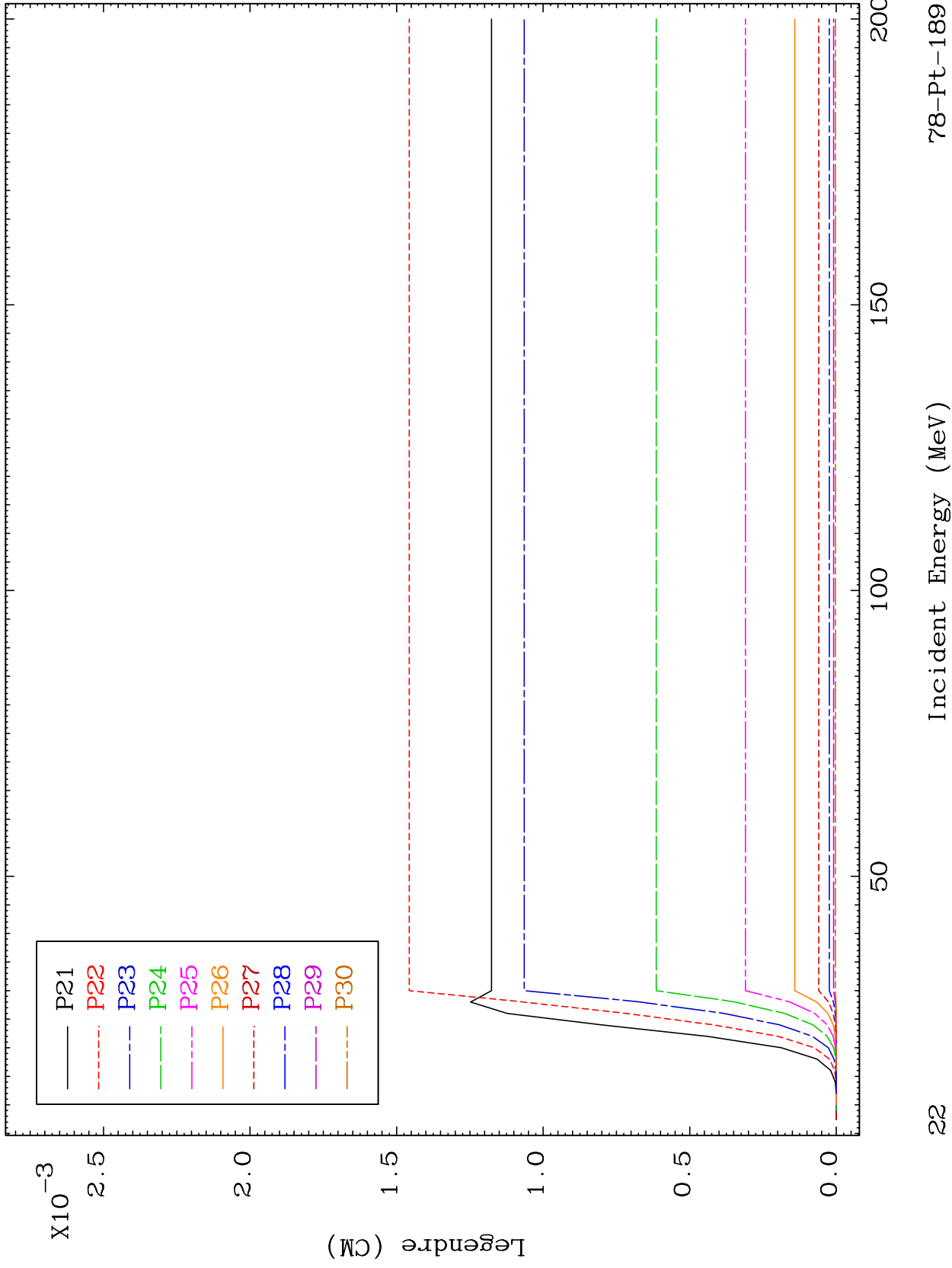
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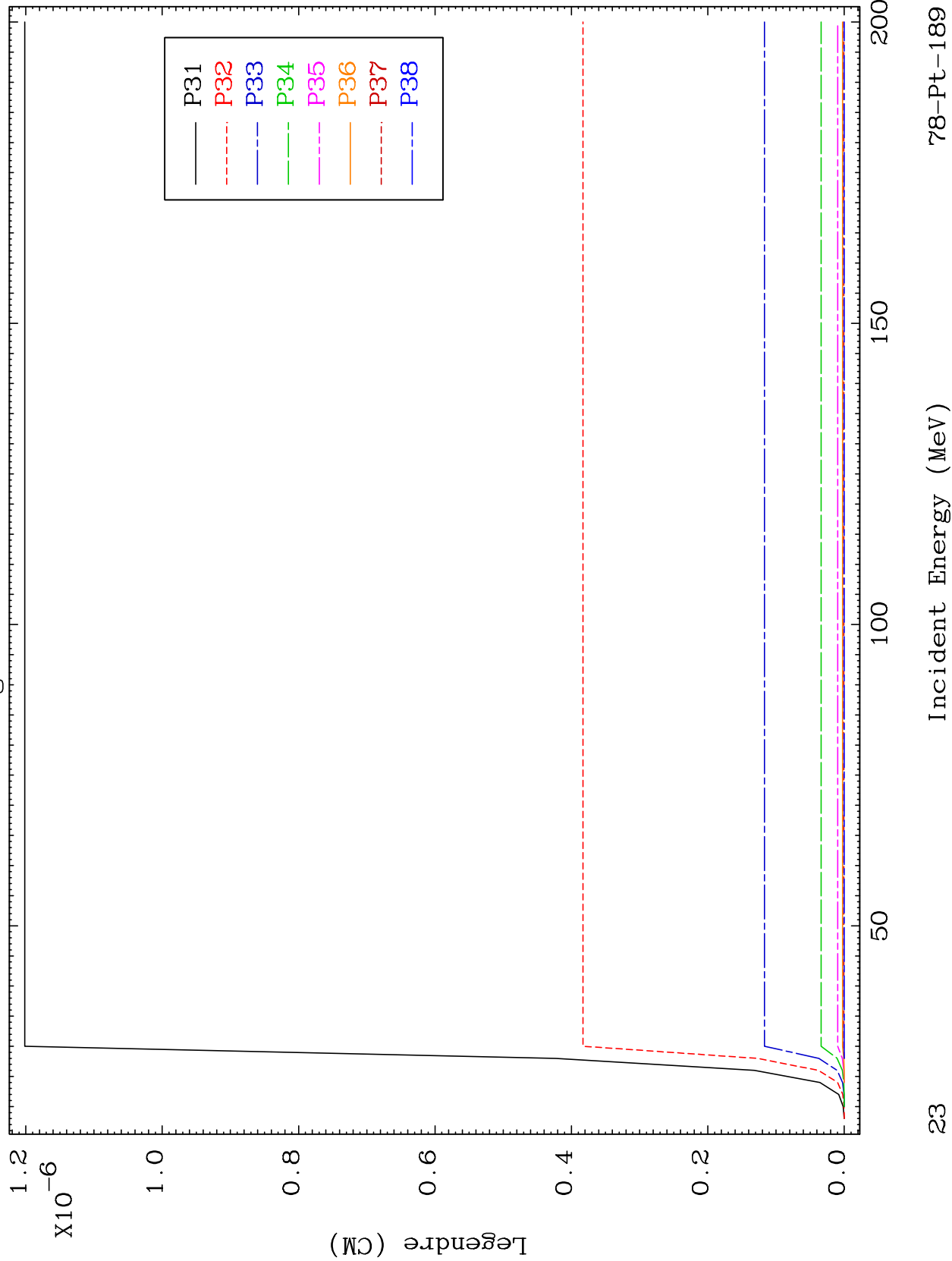
25

30





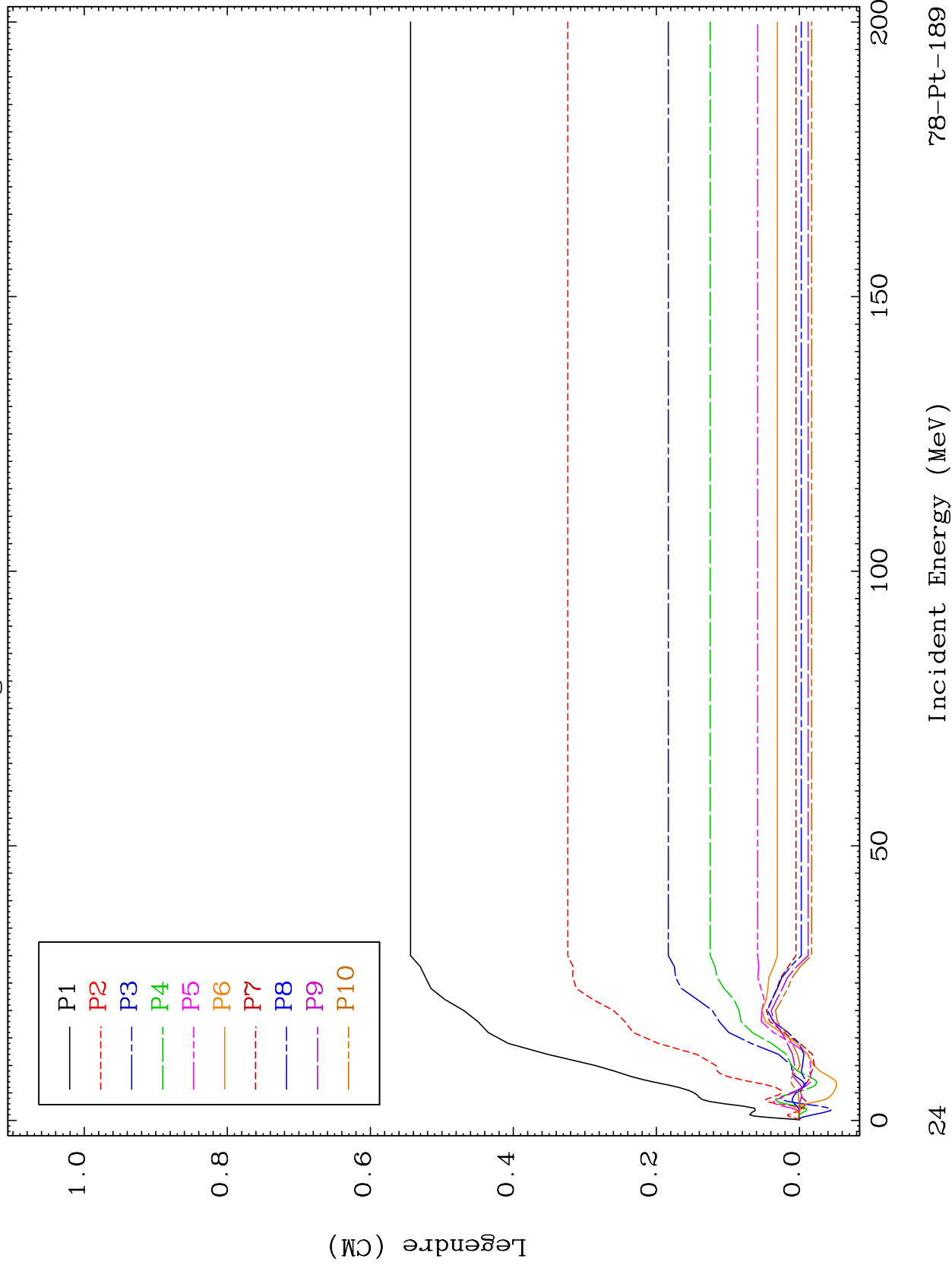




MAT 7822

45.78 keV (n,n') Level
Legendre Coefficients

78-Pt-189



24

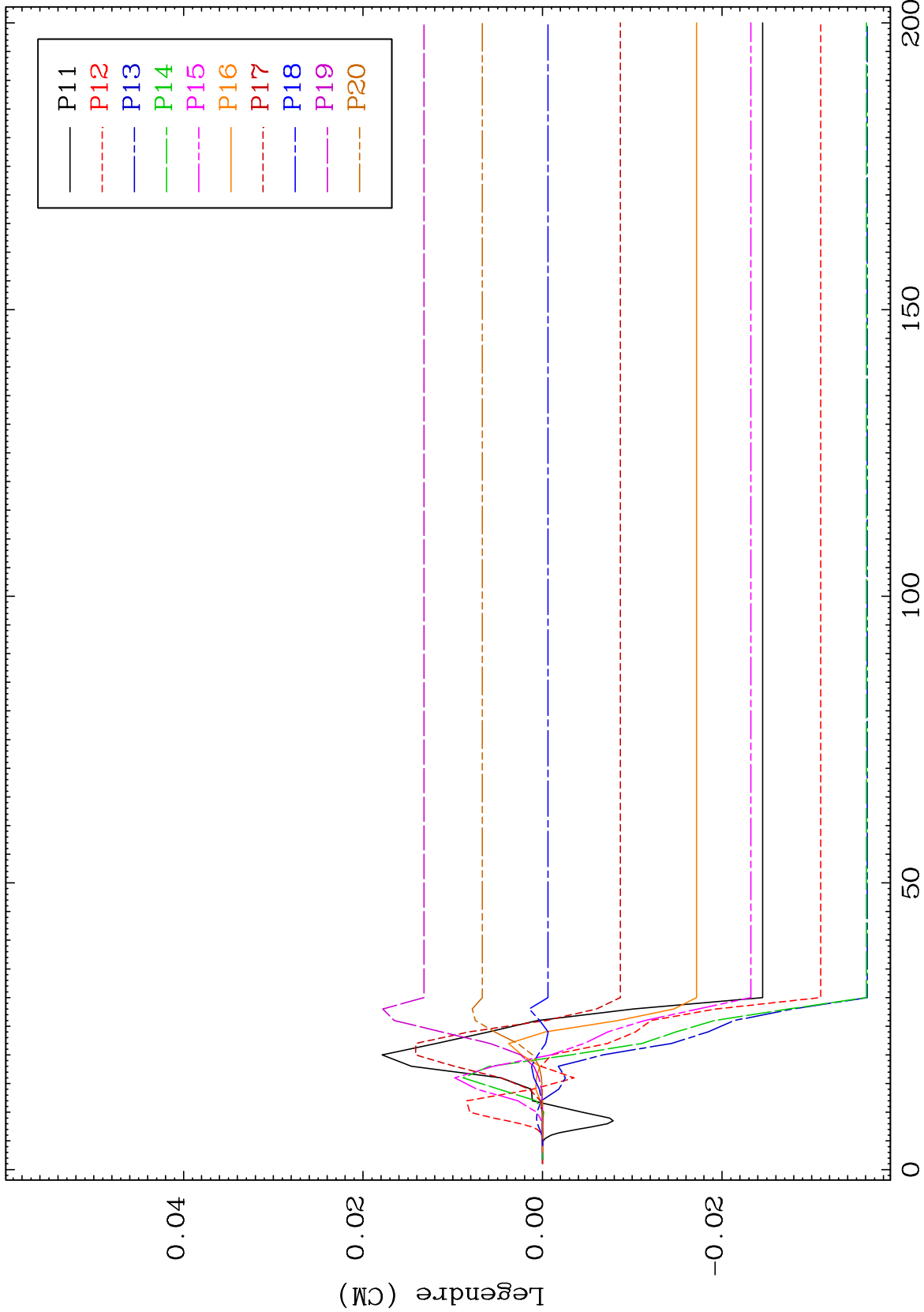
Incident Energy (MeV)

78-Pt-189

MAT 7822

45.78 keV (n,n') Level
Legendre Coefficients

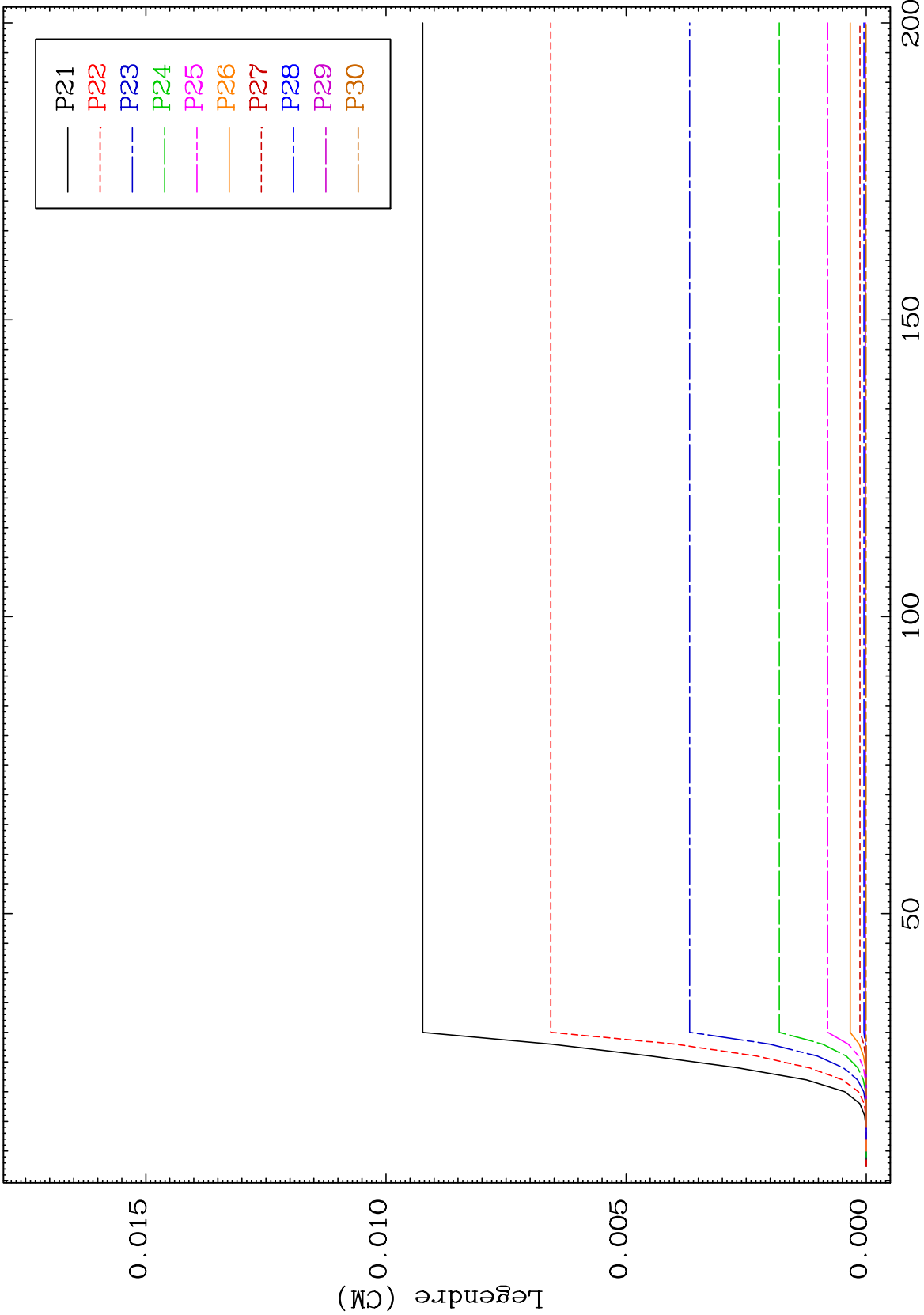
78-Pt-189

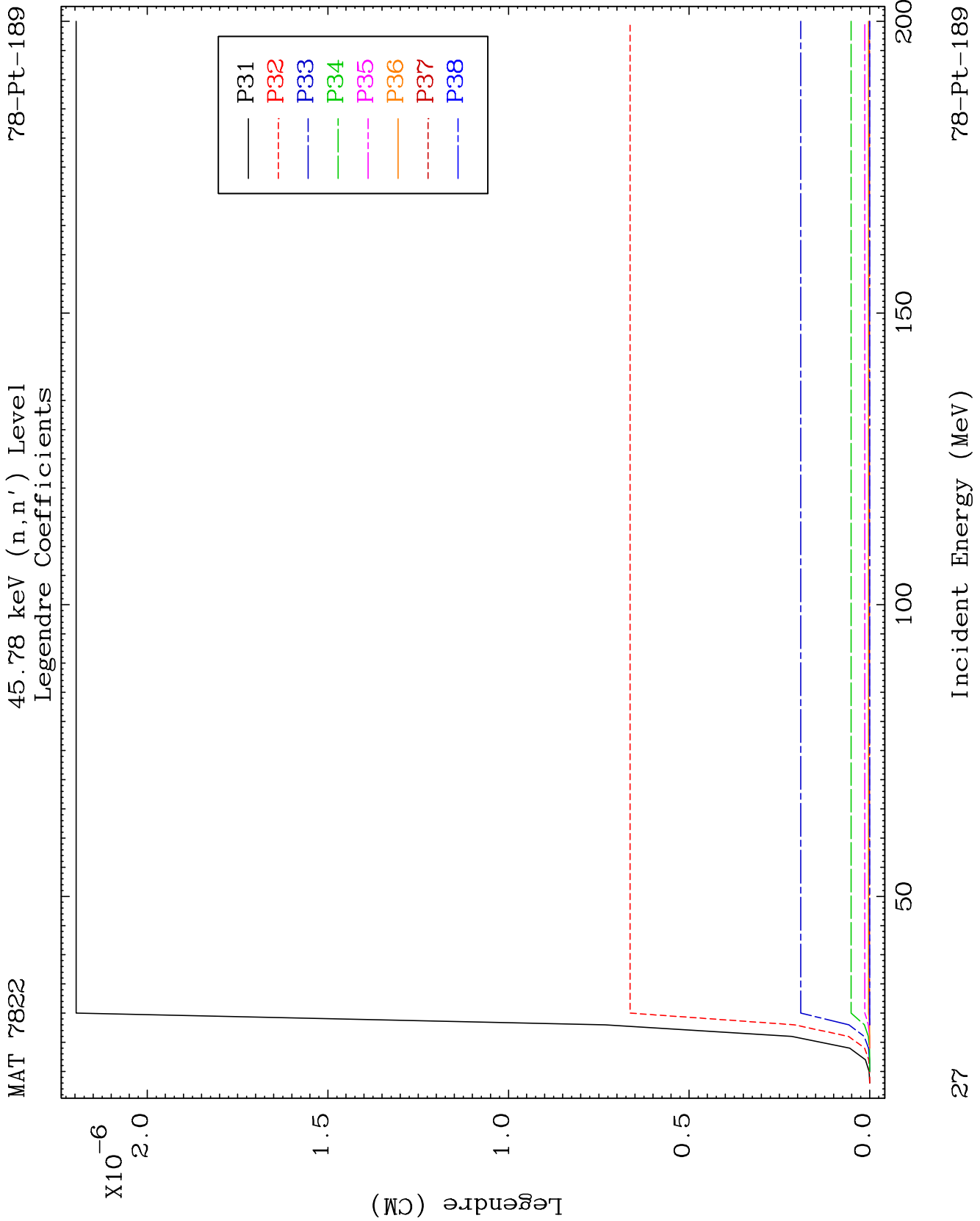


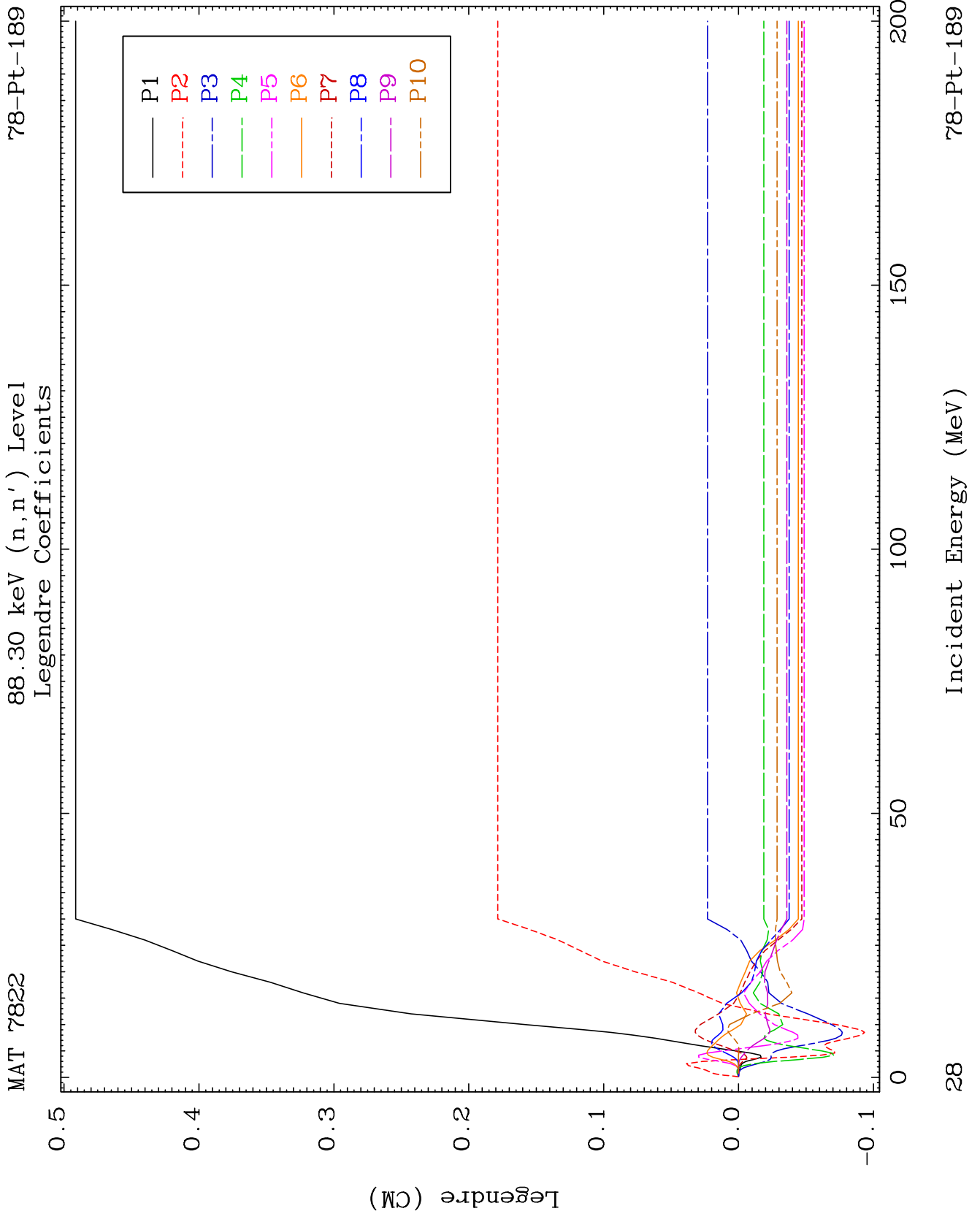
25

Incident Energy (MeV)

78-Pt-189



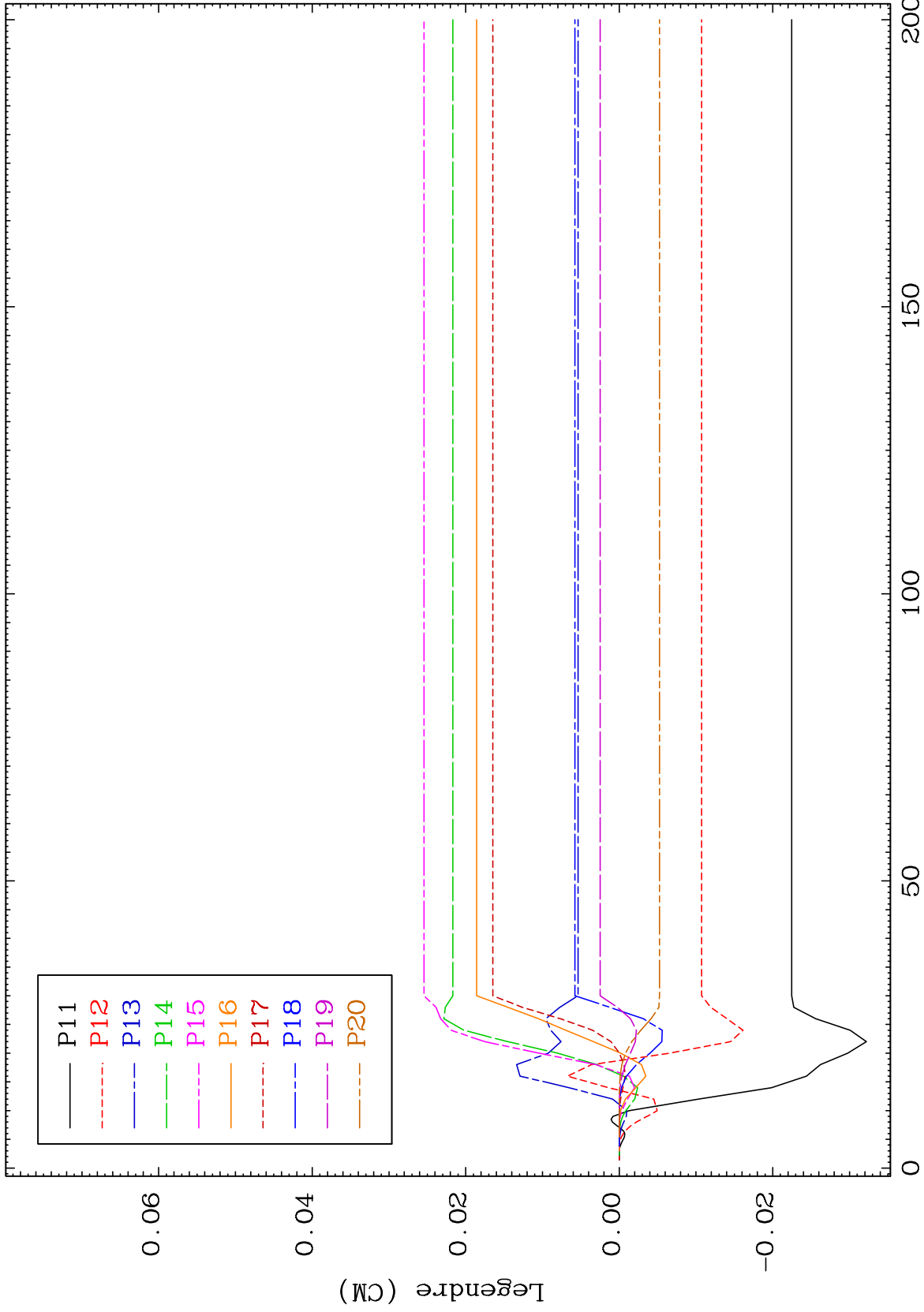




MAT 7822

88.30 keV (n,n') Level
Legendre Coefficients

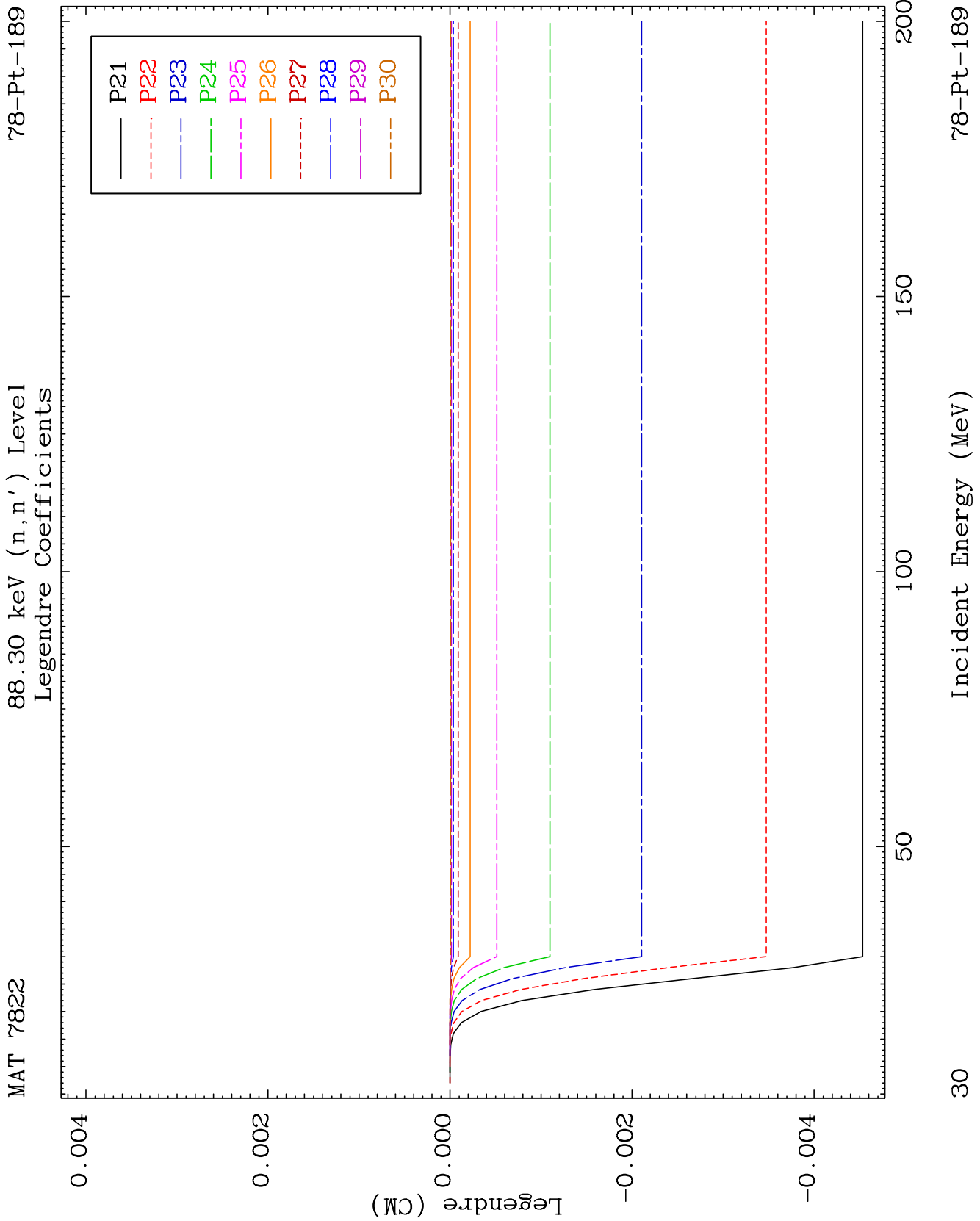
78-Pt-189

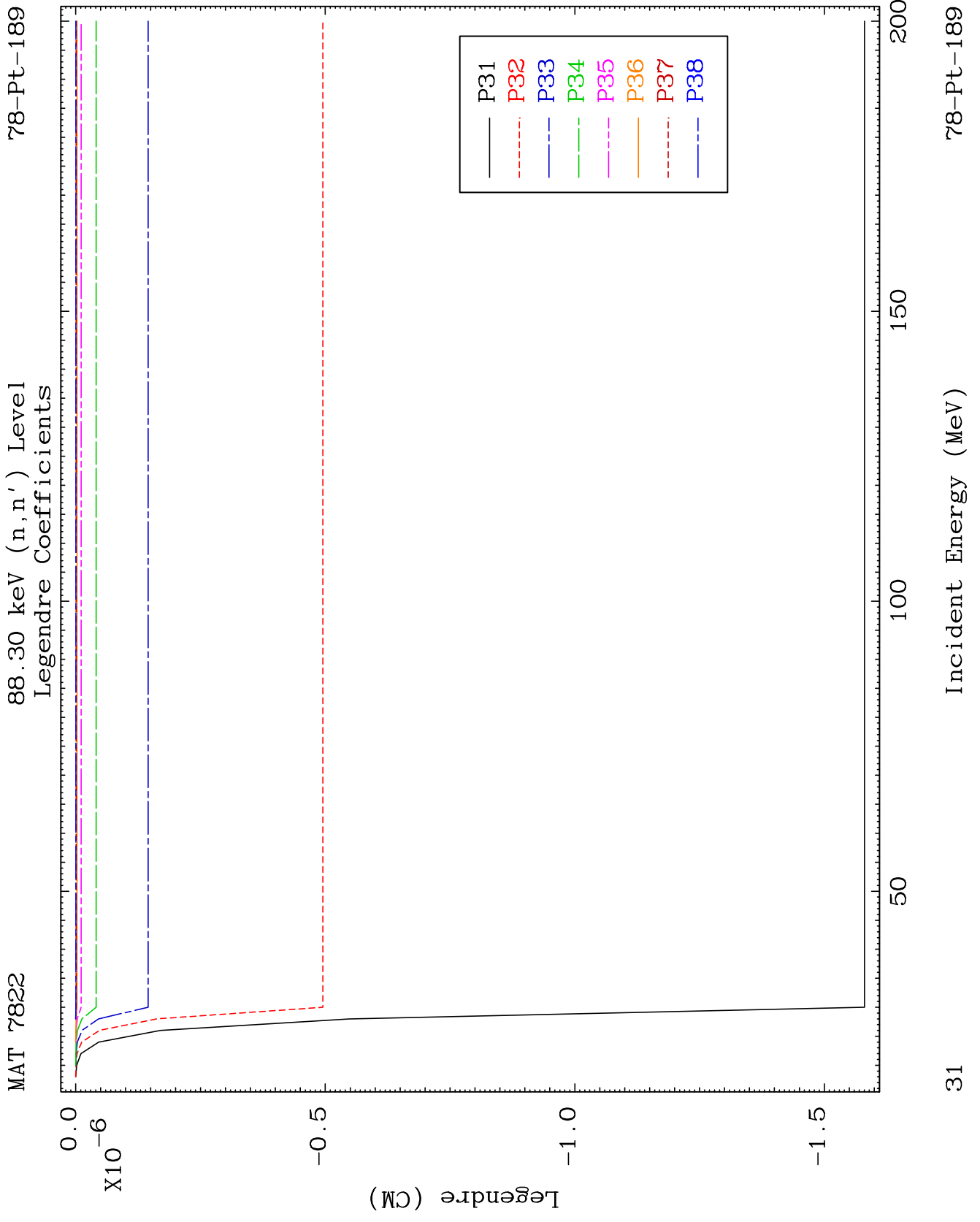


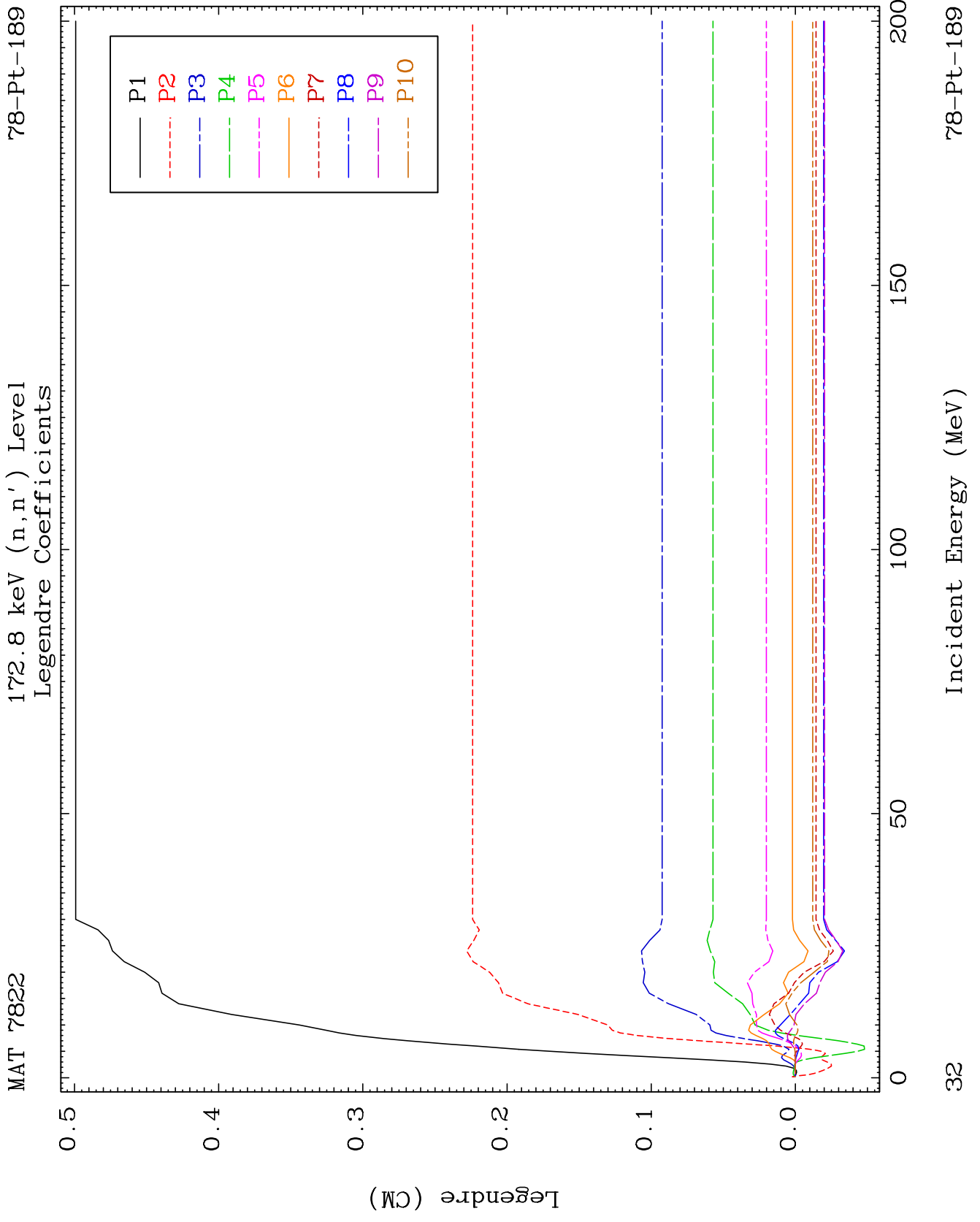
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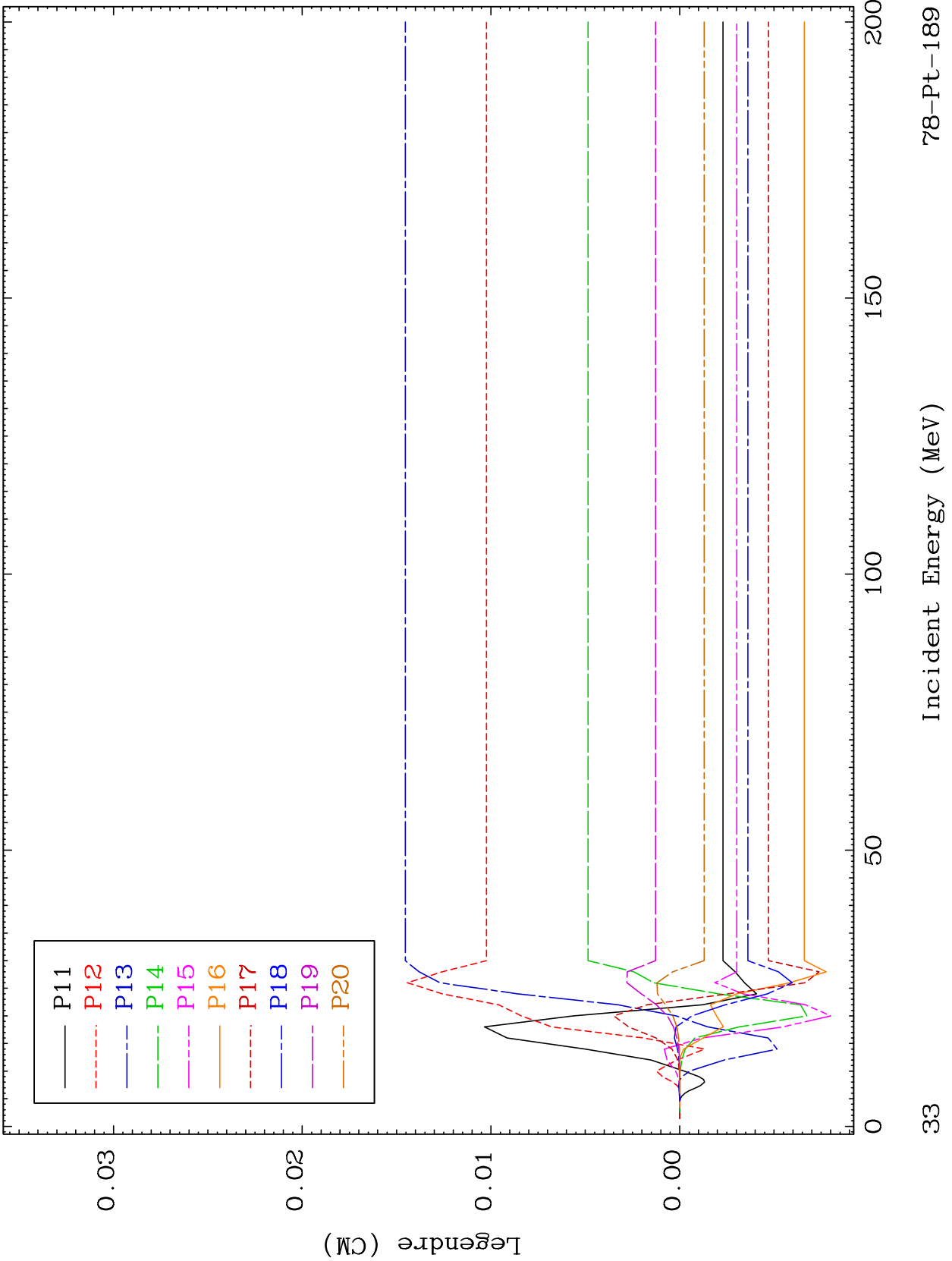
Incident Energy (MeV)

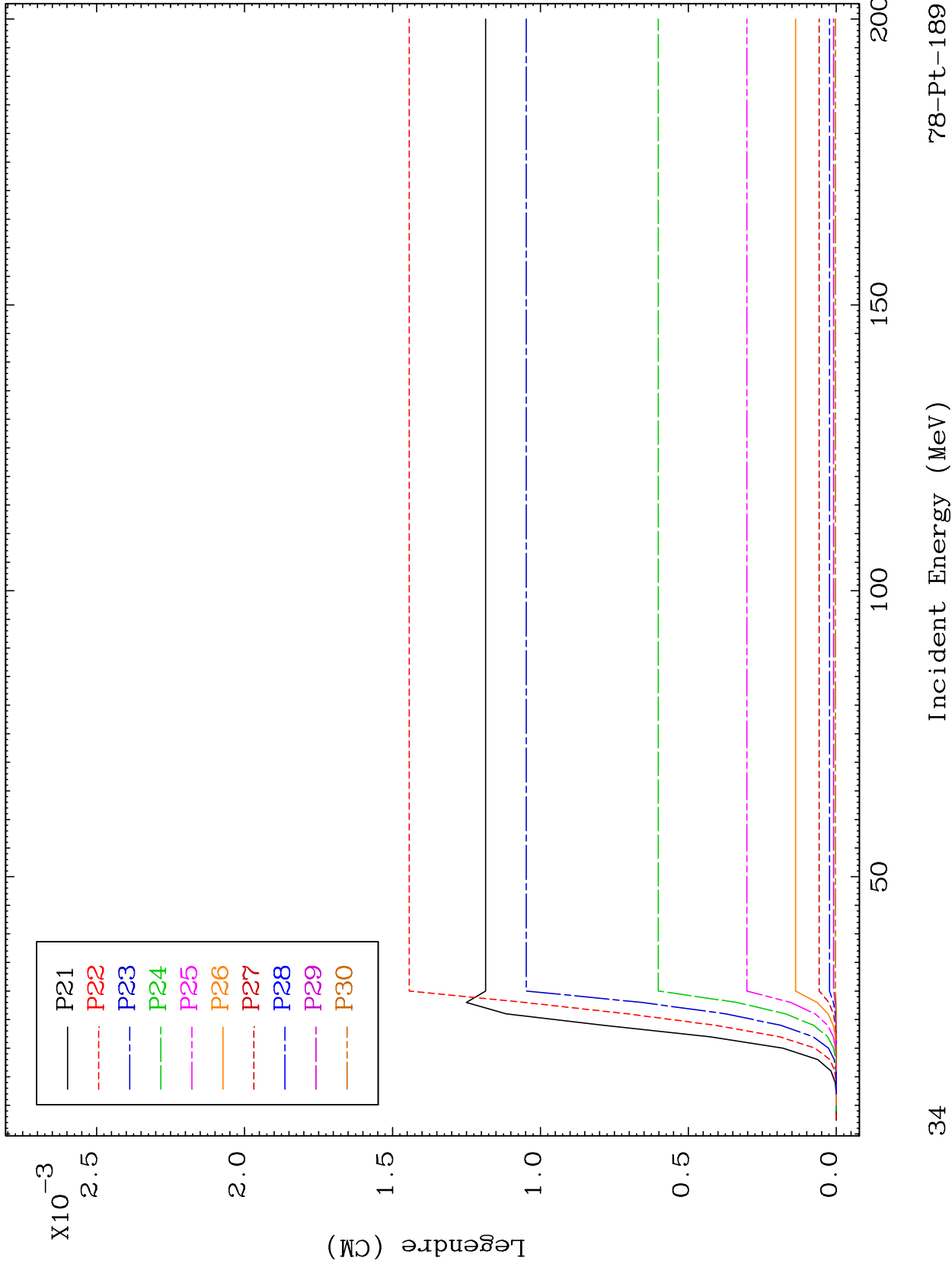
78-Pt-189







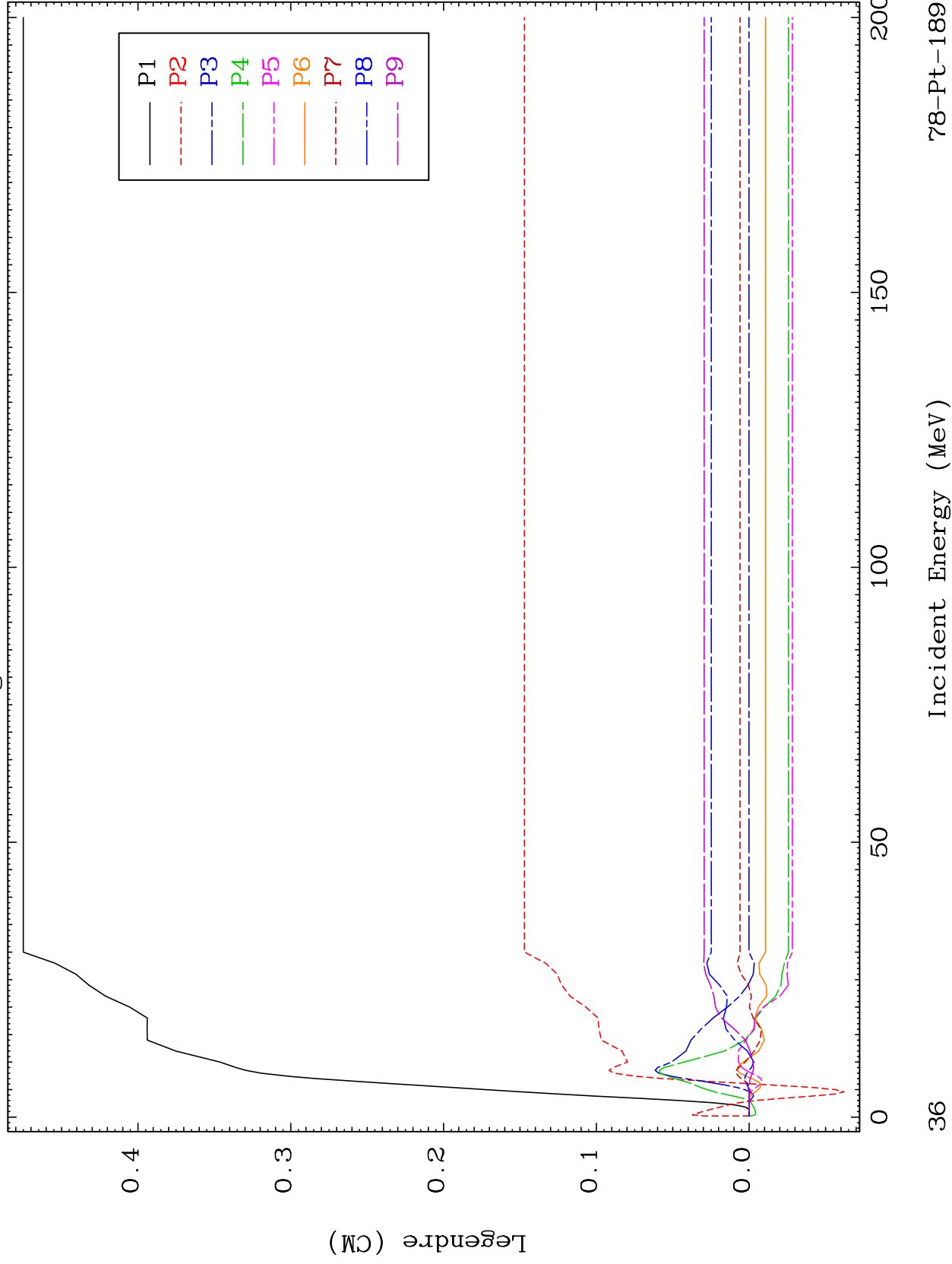




MAT 7822

191.5 keV (n,n') Level
Legendre Coefficients

78-Pt-189



78-Pt-189

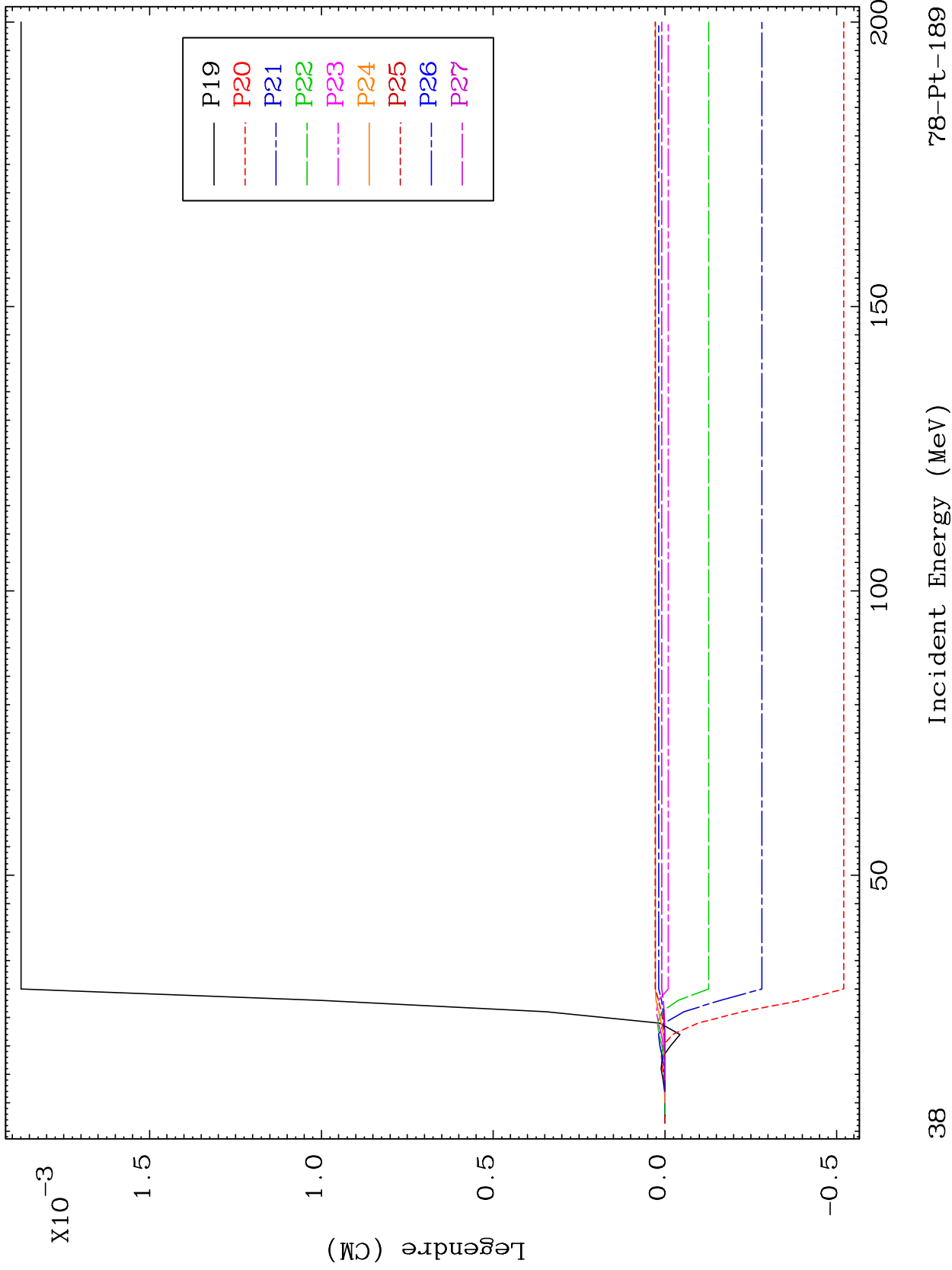
Incident Energy (MeV)

36

MAT 7822

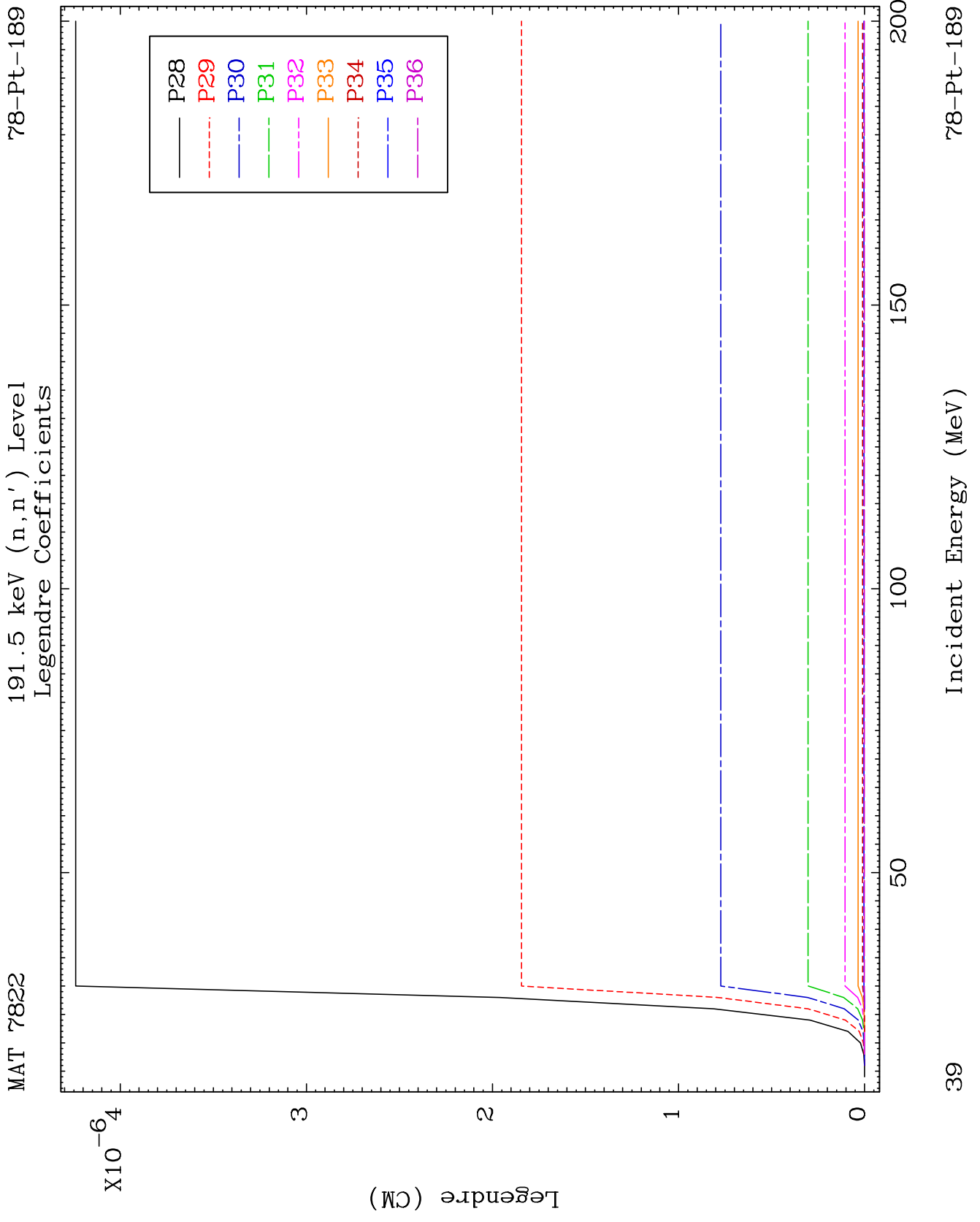
191.5 keV (n,n') Level
Legendre Coefficients

78-Pt-189



38

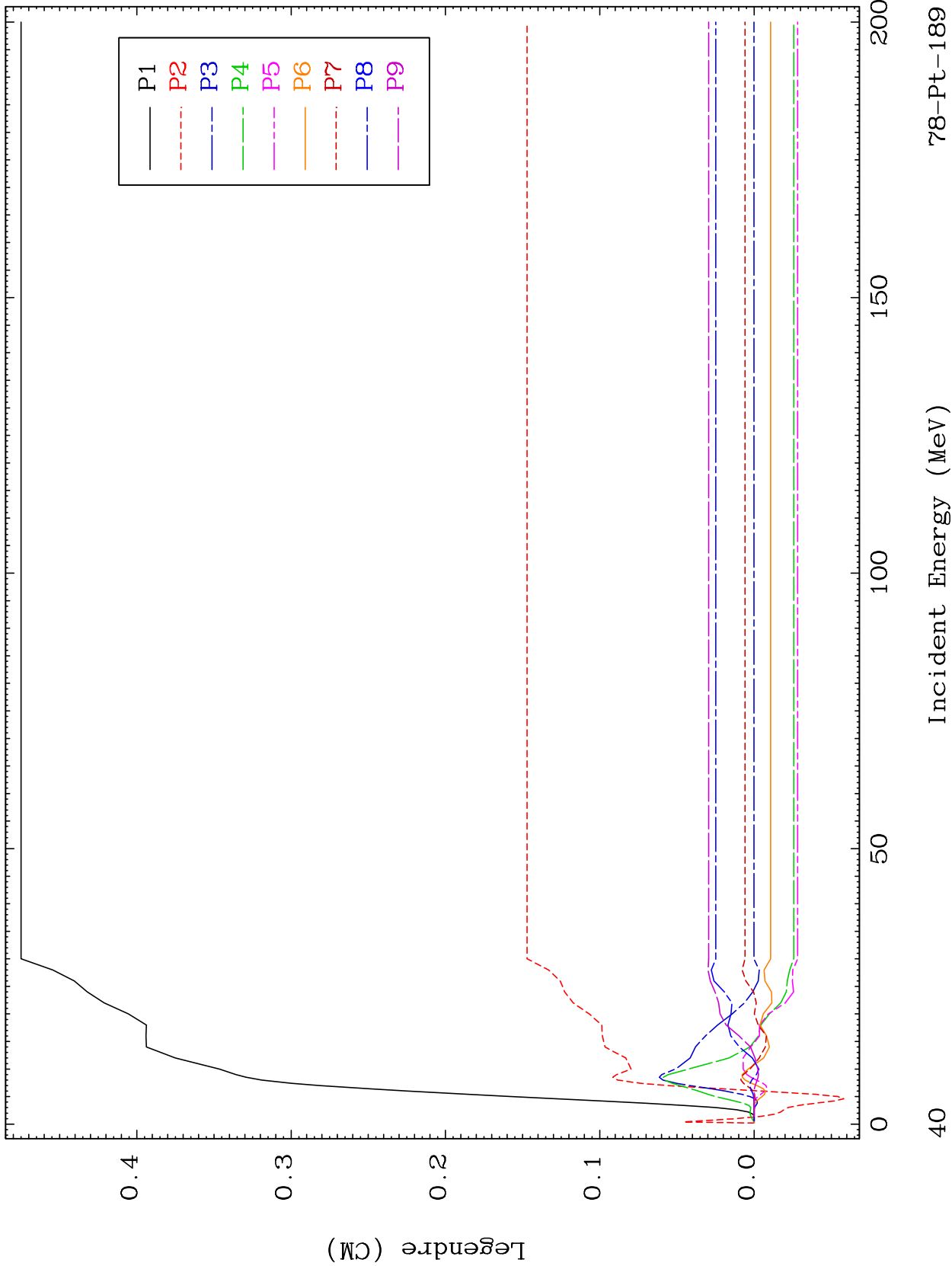
78-Pt-189



MAT 7822

202.8 keV (n,n') Level
Legendre Coefficients

78-Pt-189

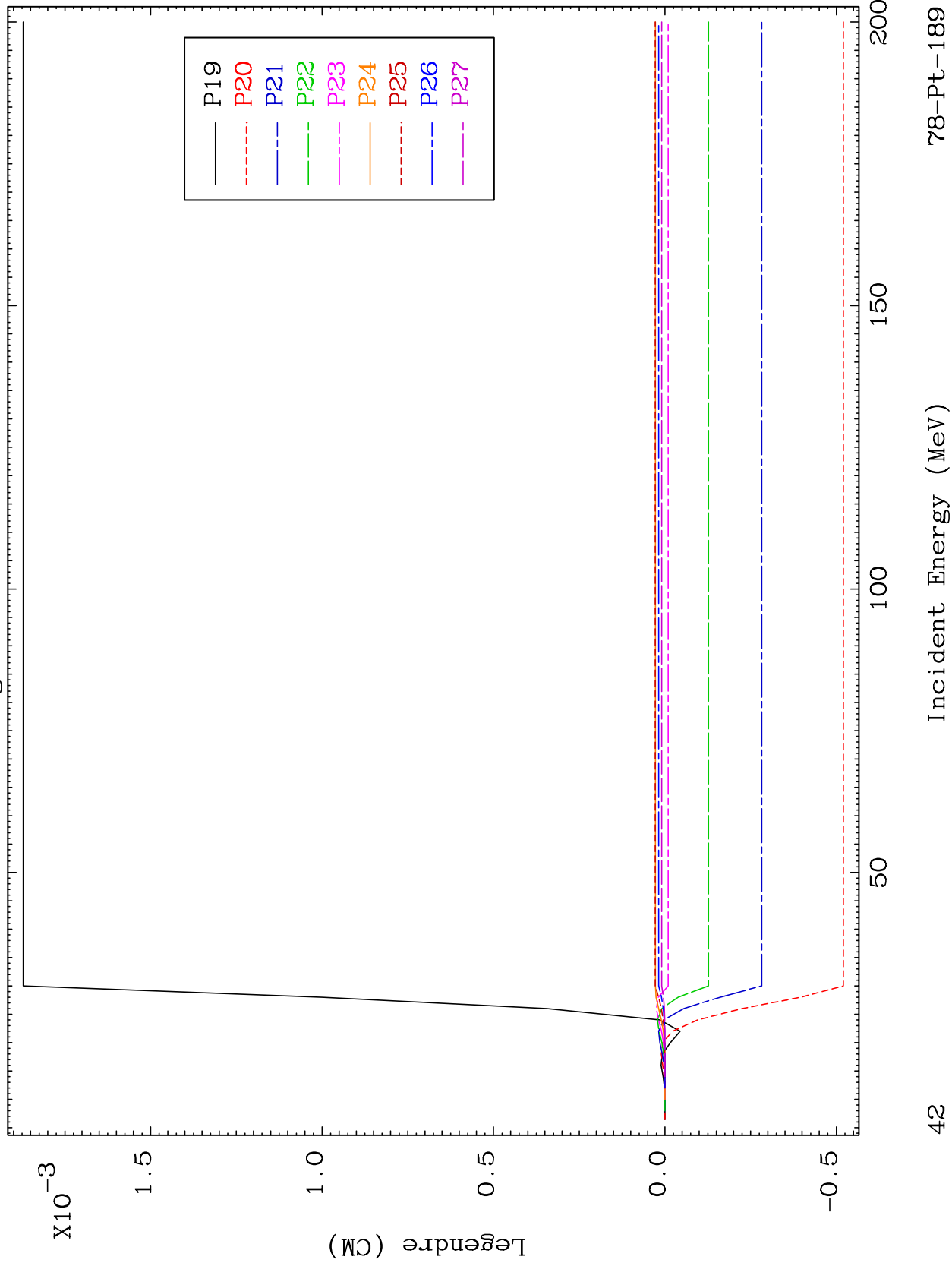


78-Pt-189

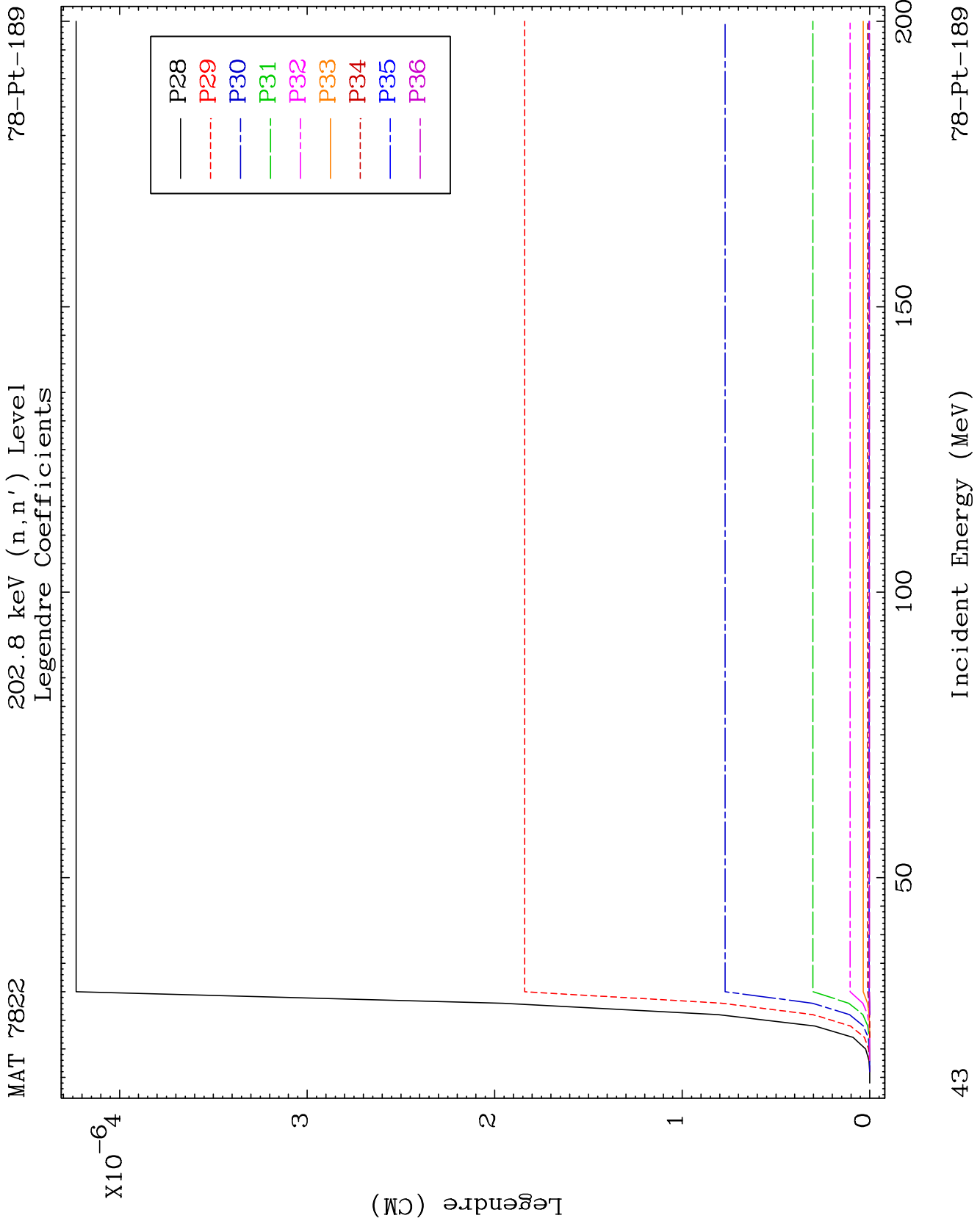
MAT 7822

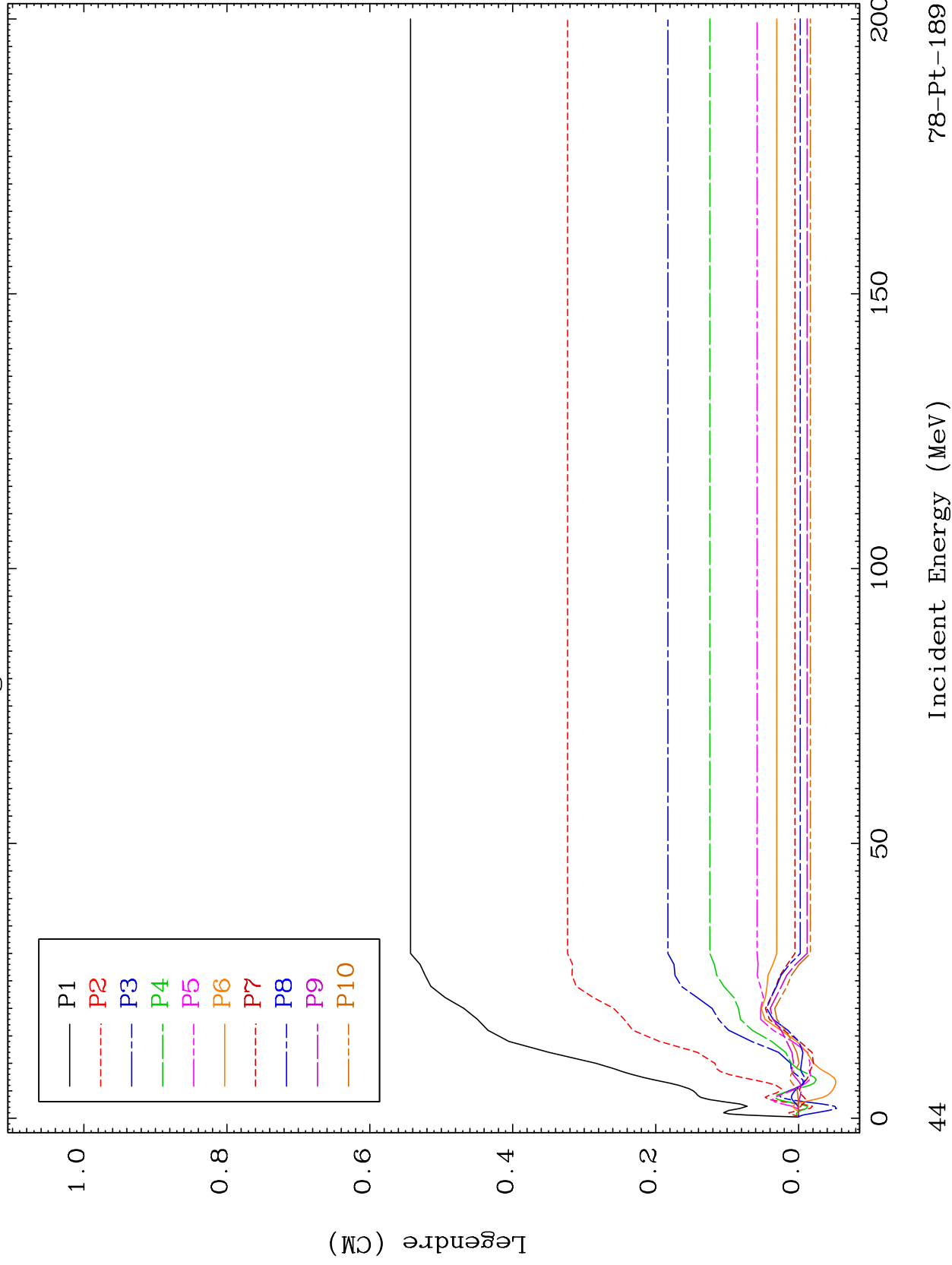
202.8 keV (n,n') Level
Legendre Coefficients

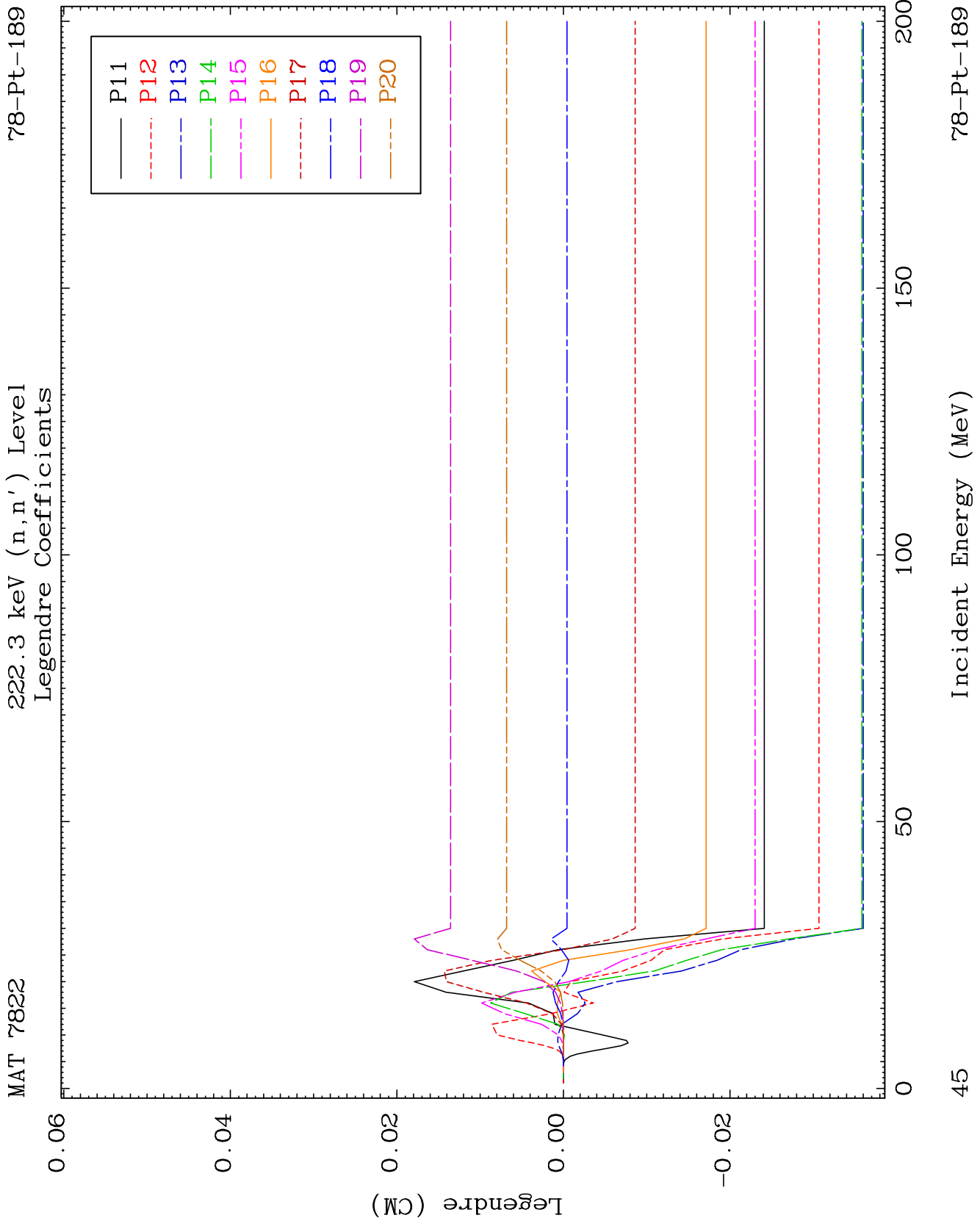
78-Pt-189



42



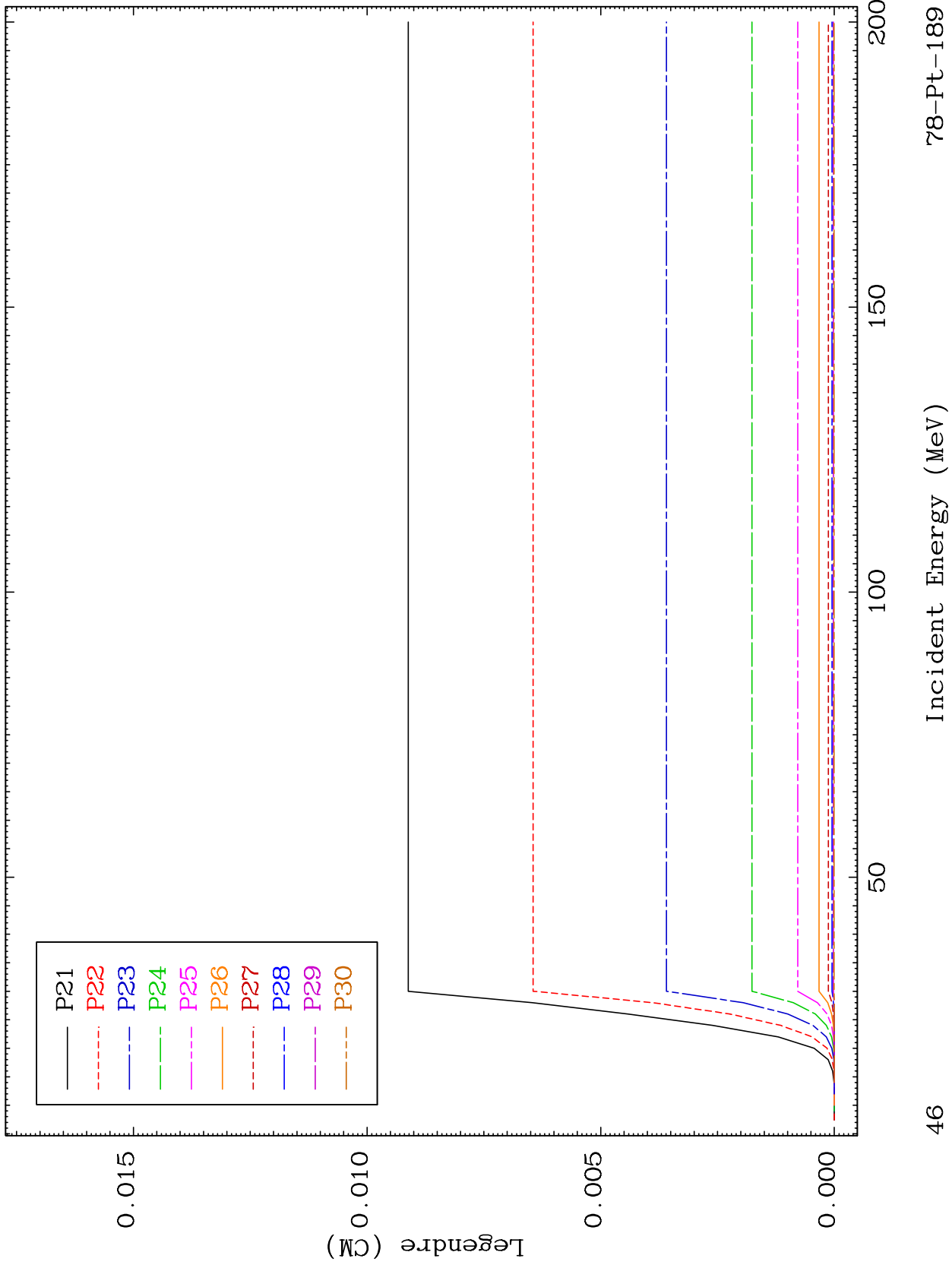




MAT 78222

222.3 keV (n,n') Level
Legendre Coefficients

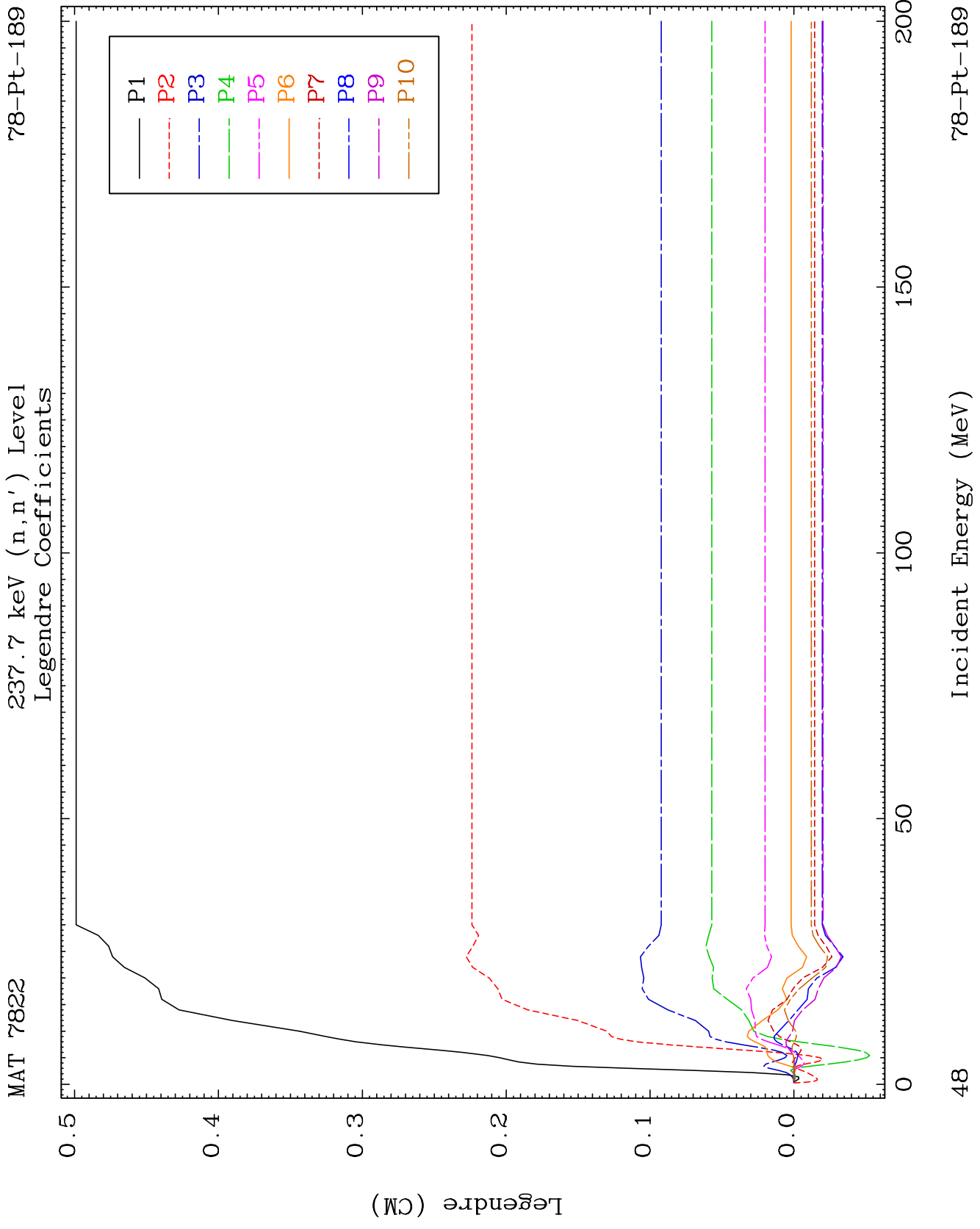
78-Pt-189

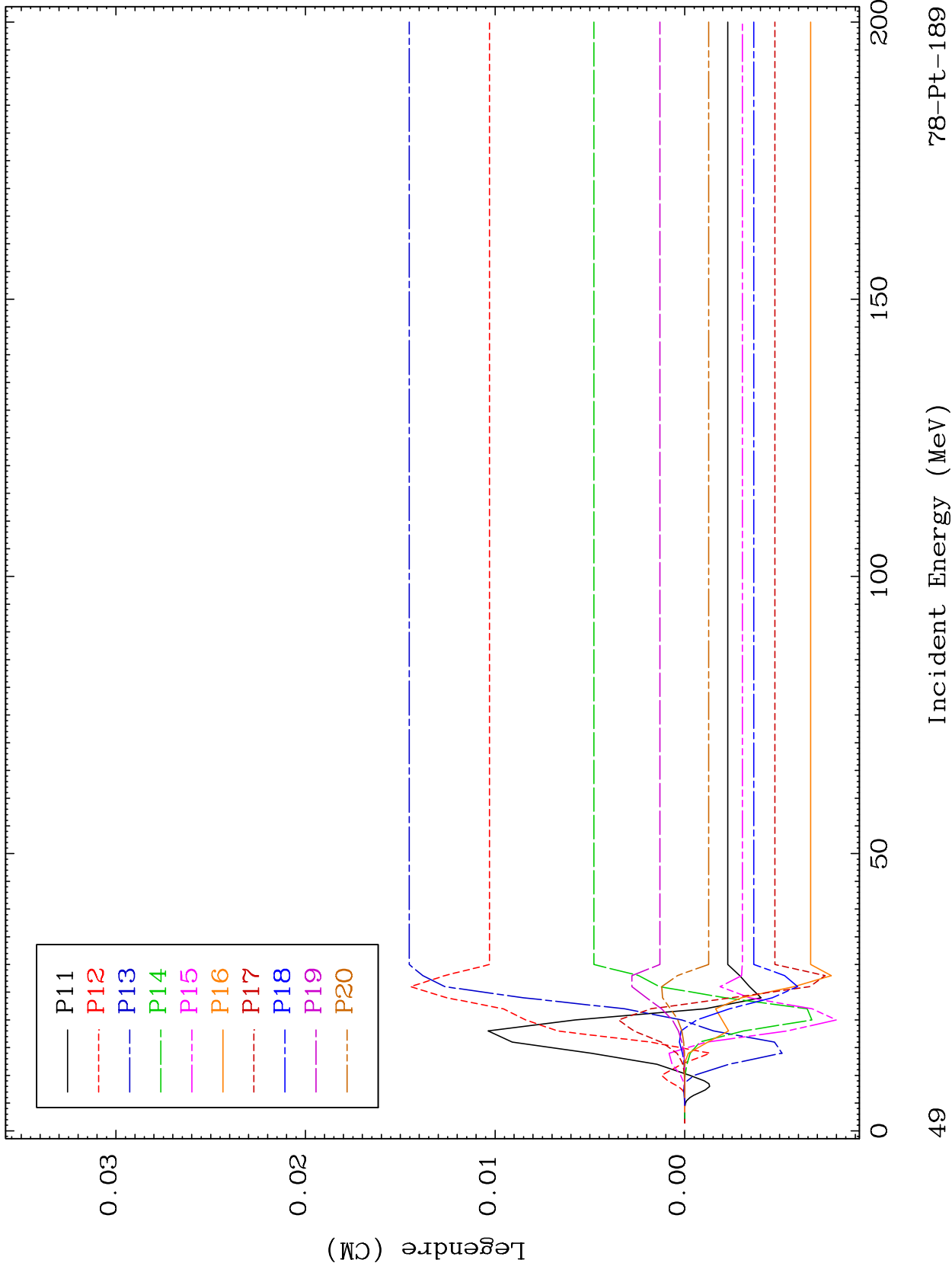


46

Incident Energy (MeV)

78-Pt-189

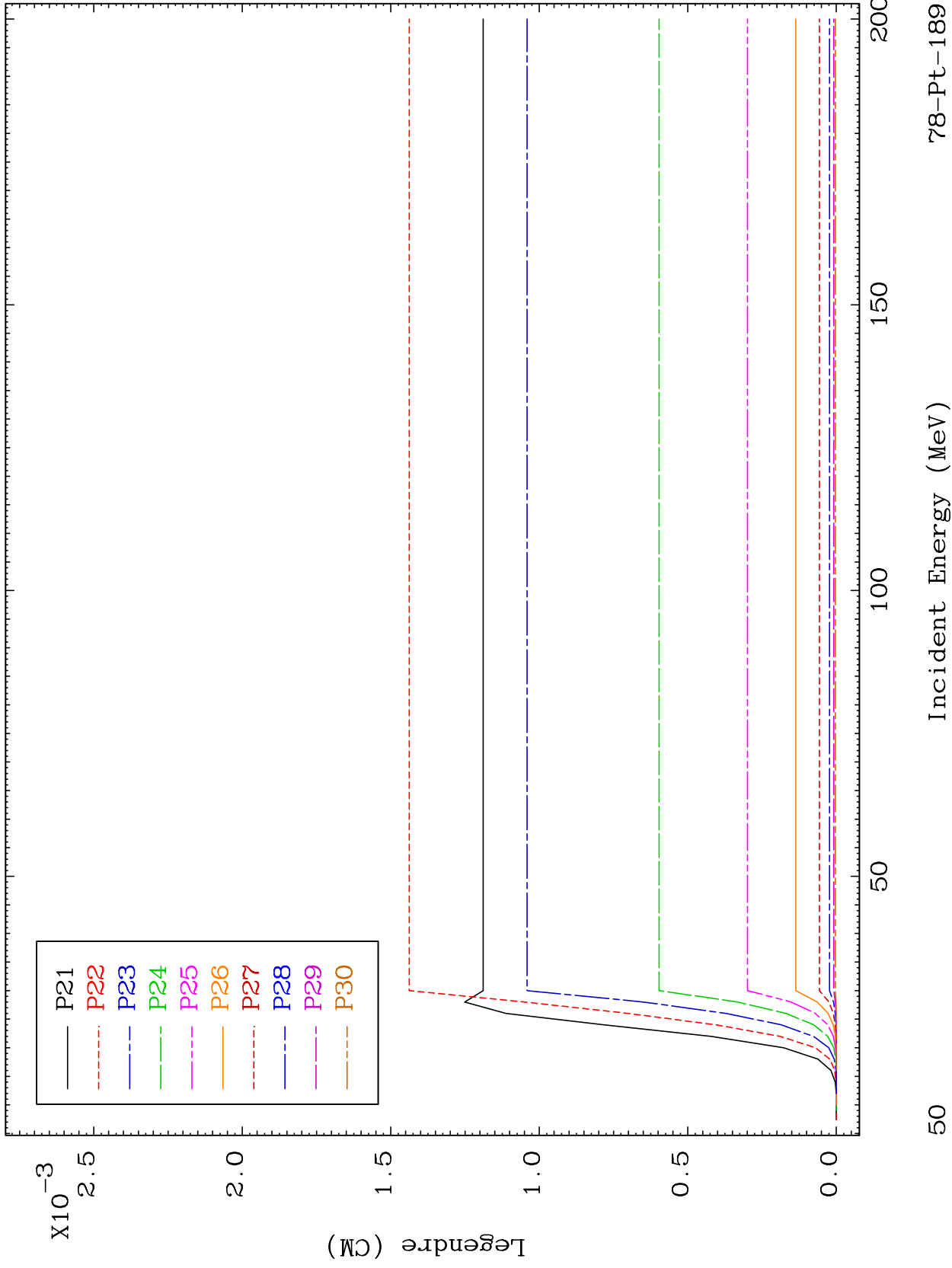


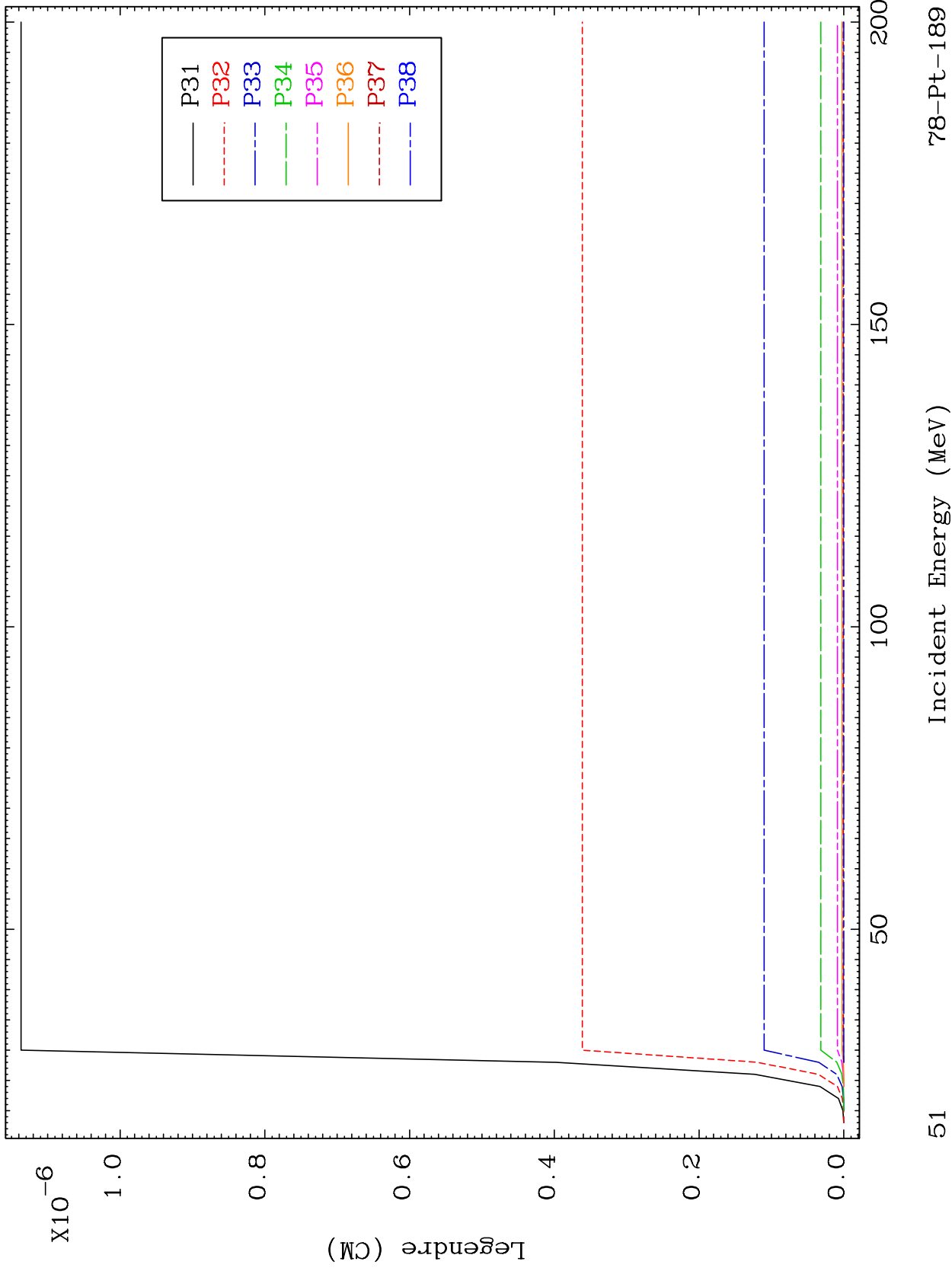


MAT 7822

237.7 keV (n,n') Level
Legendre Coefficients

78-Pt-189

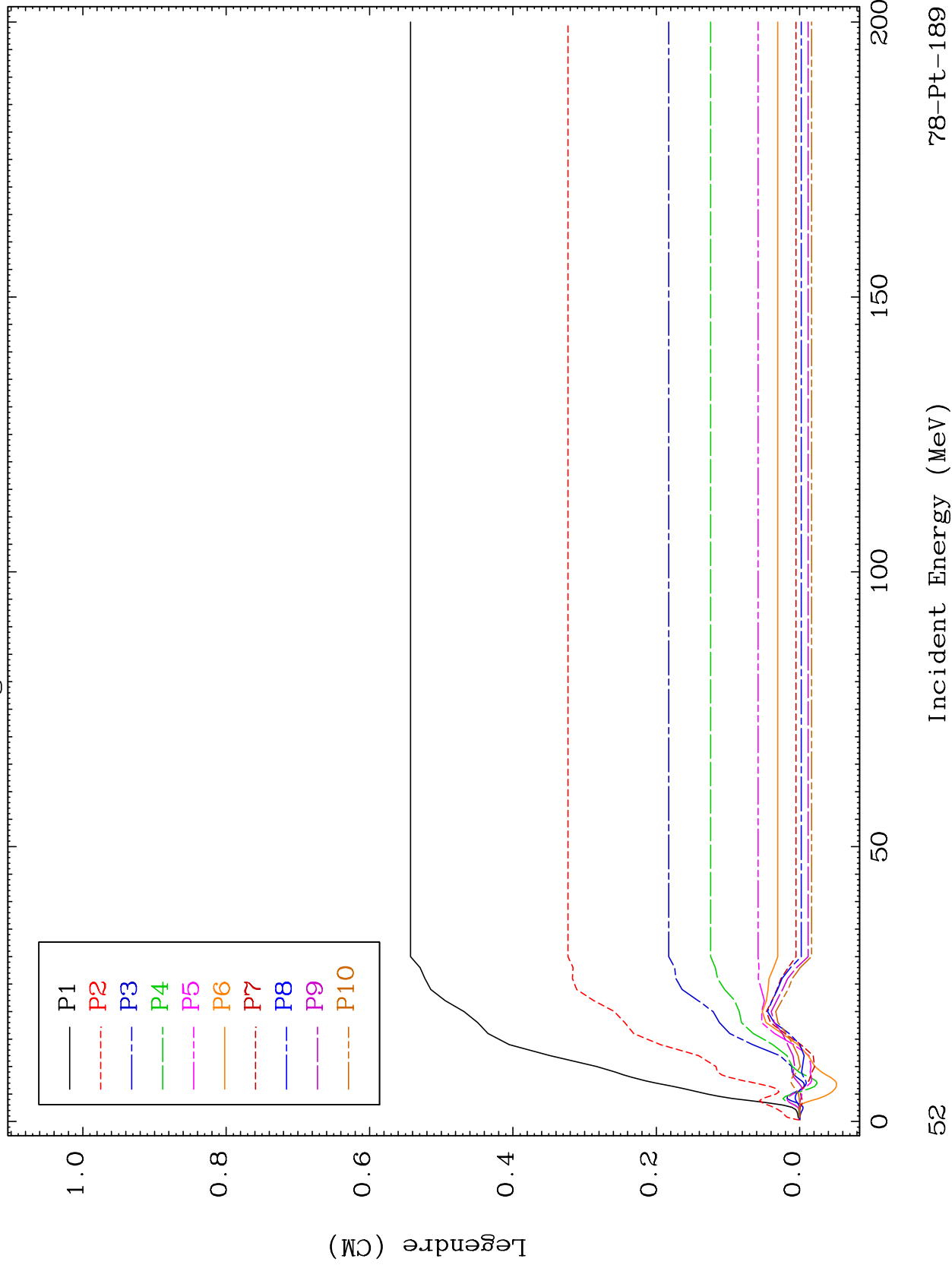




MAT 7822

261.0 keV (n,n') Level
Legendre Coefficients

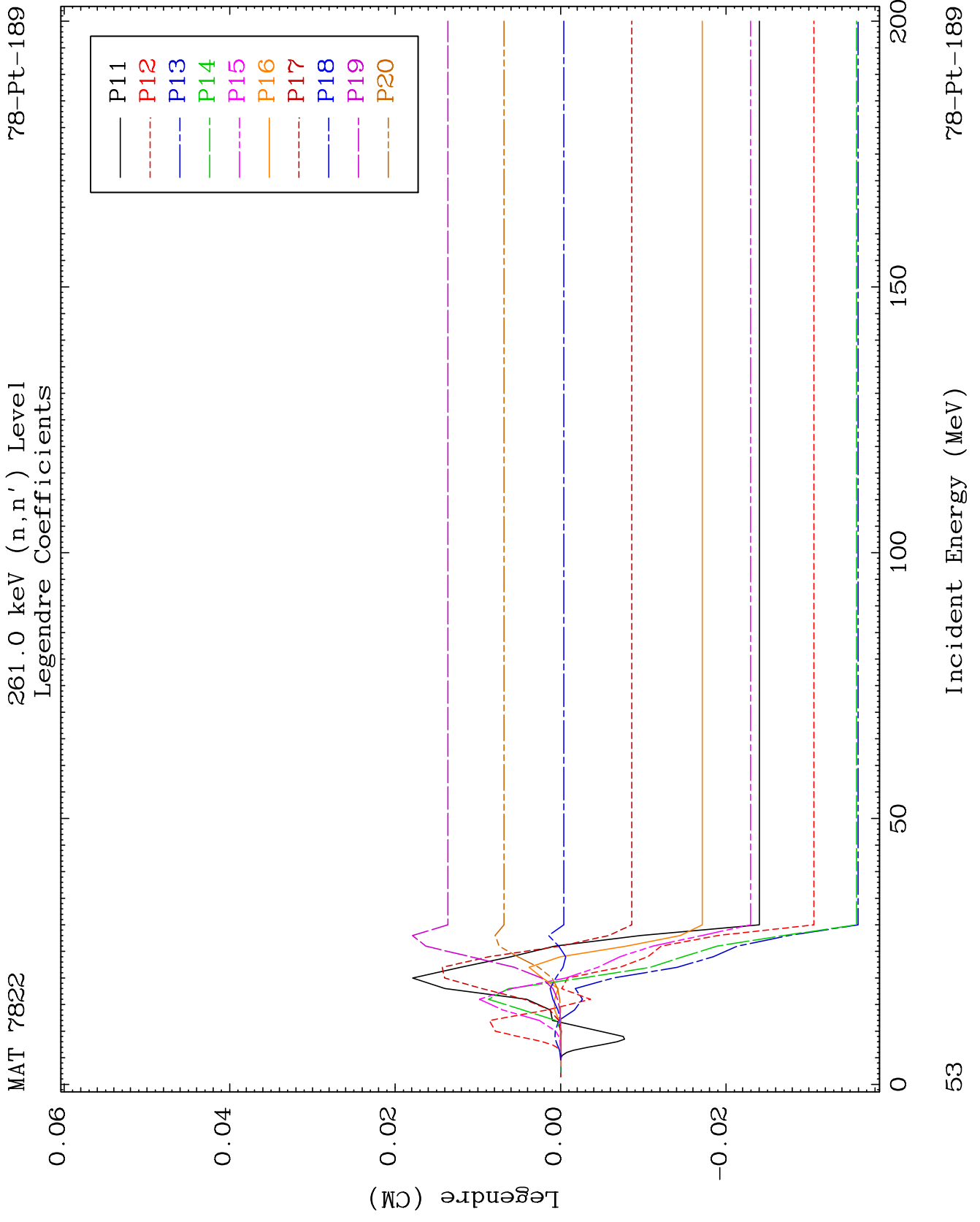
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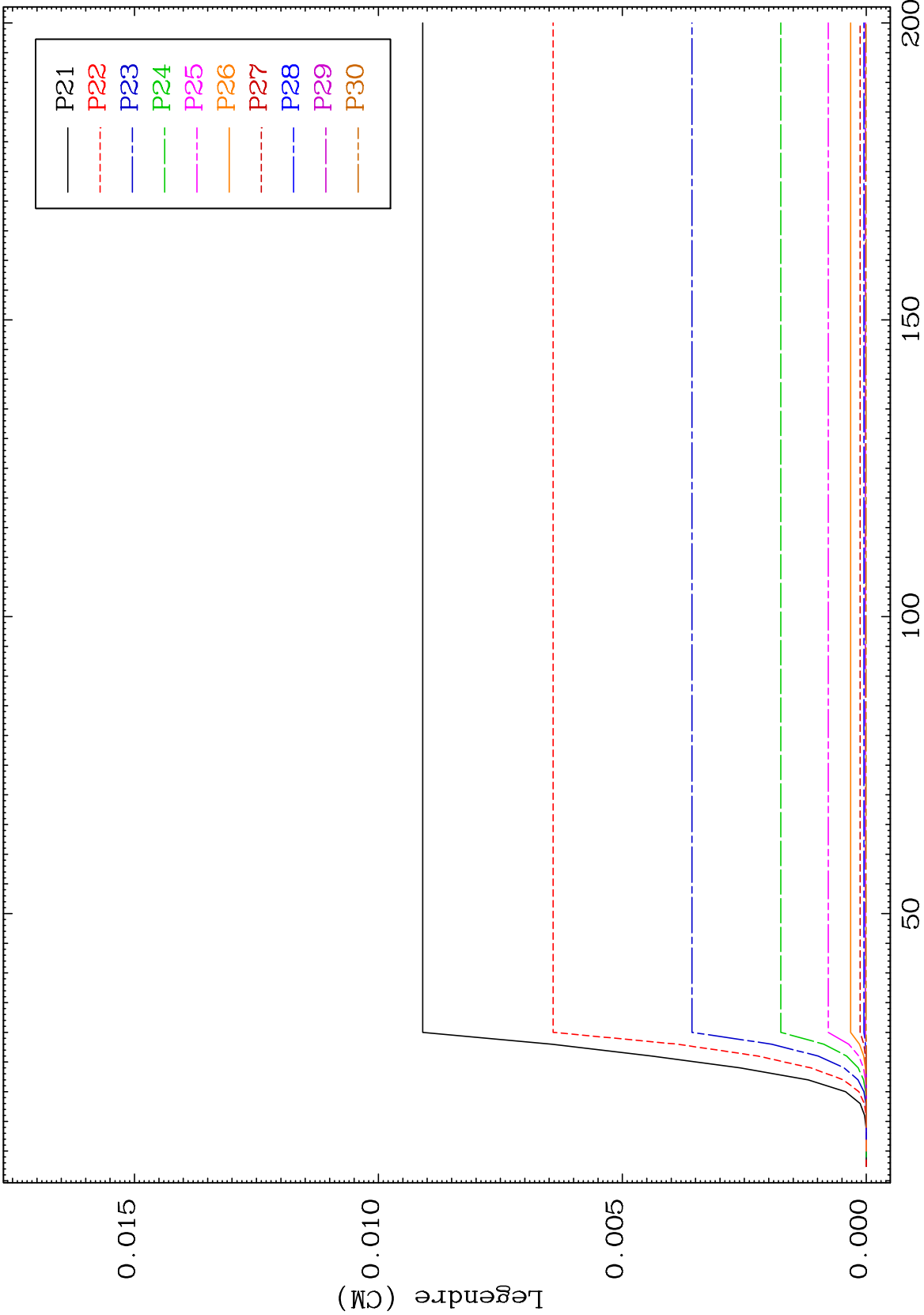


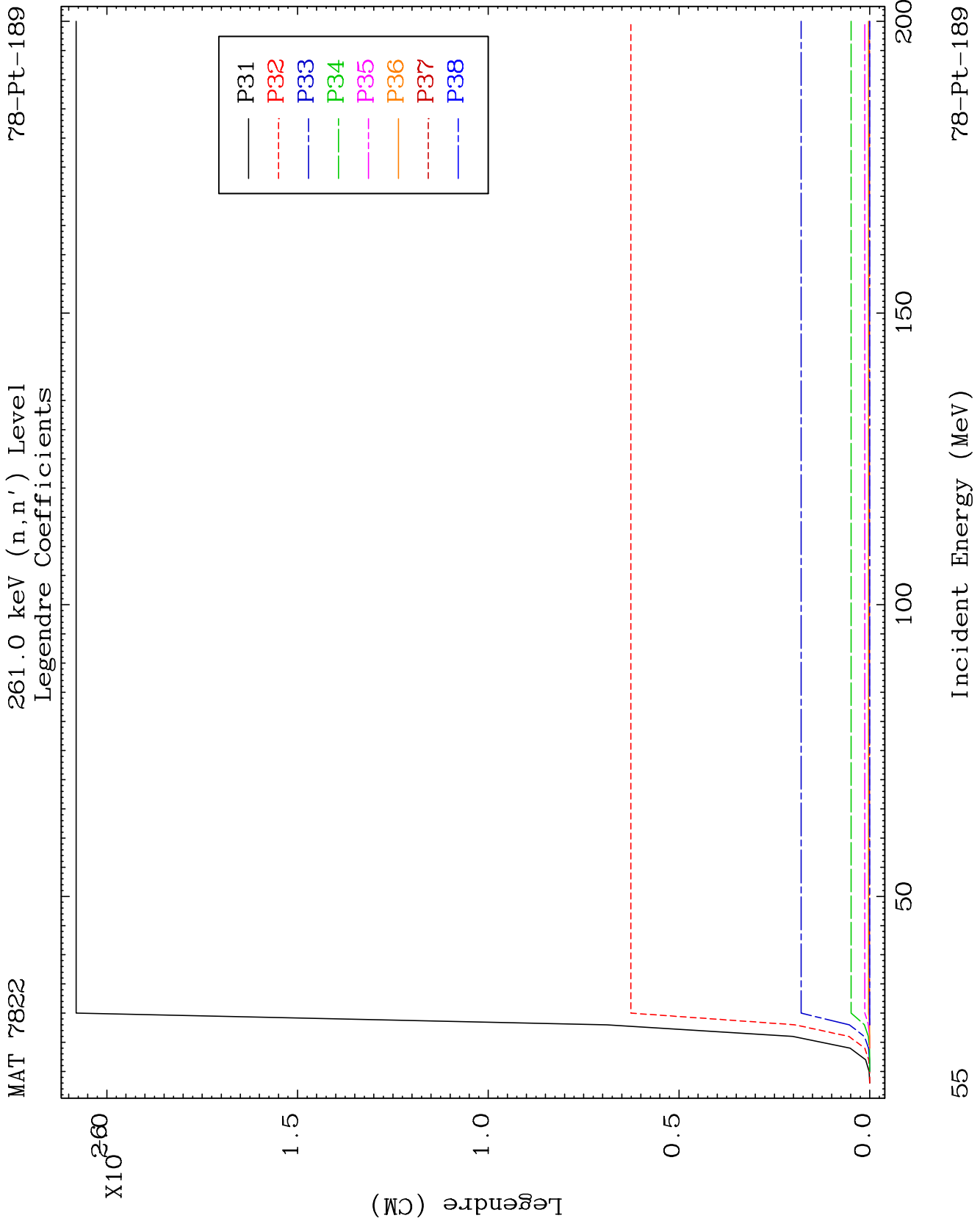
78-Pt-189

Incident Energy (MeV)

52



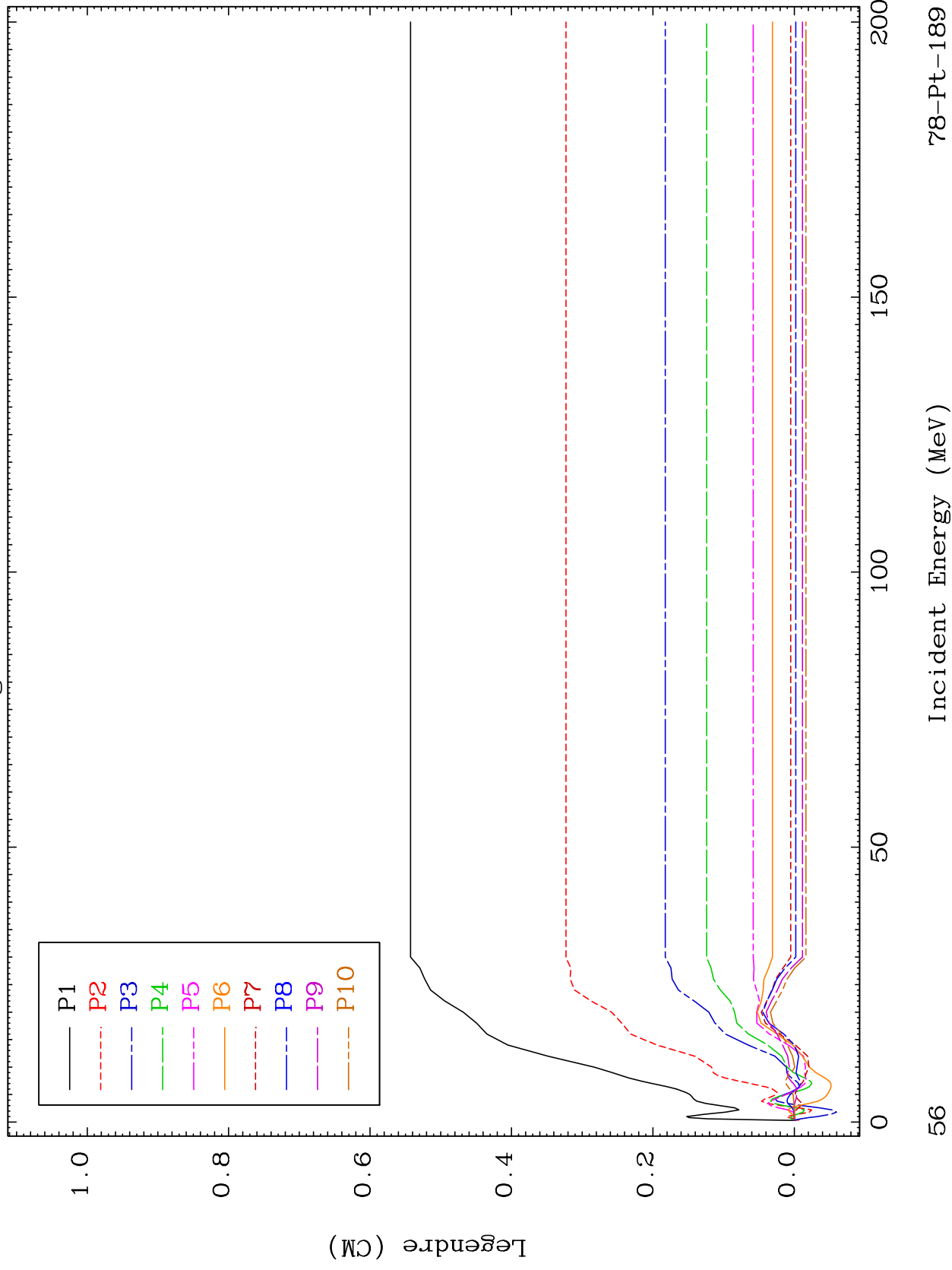




MAT 7822

285.0 keV (n,n') Level
Legendre Coefficients

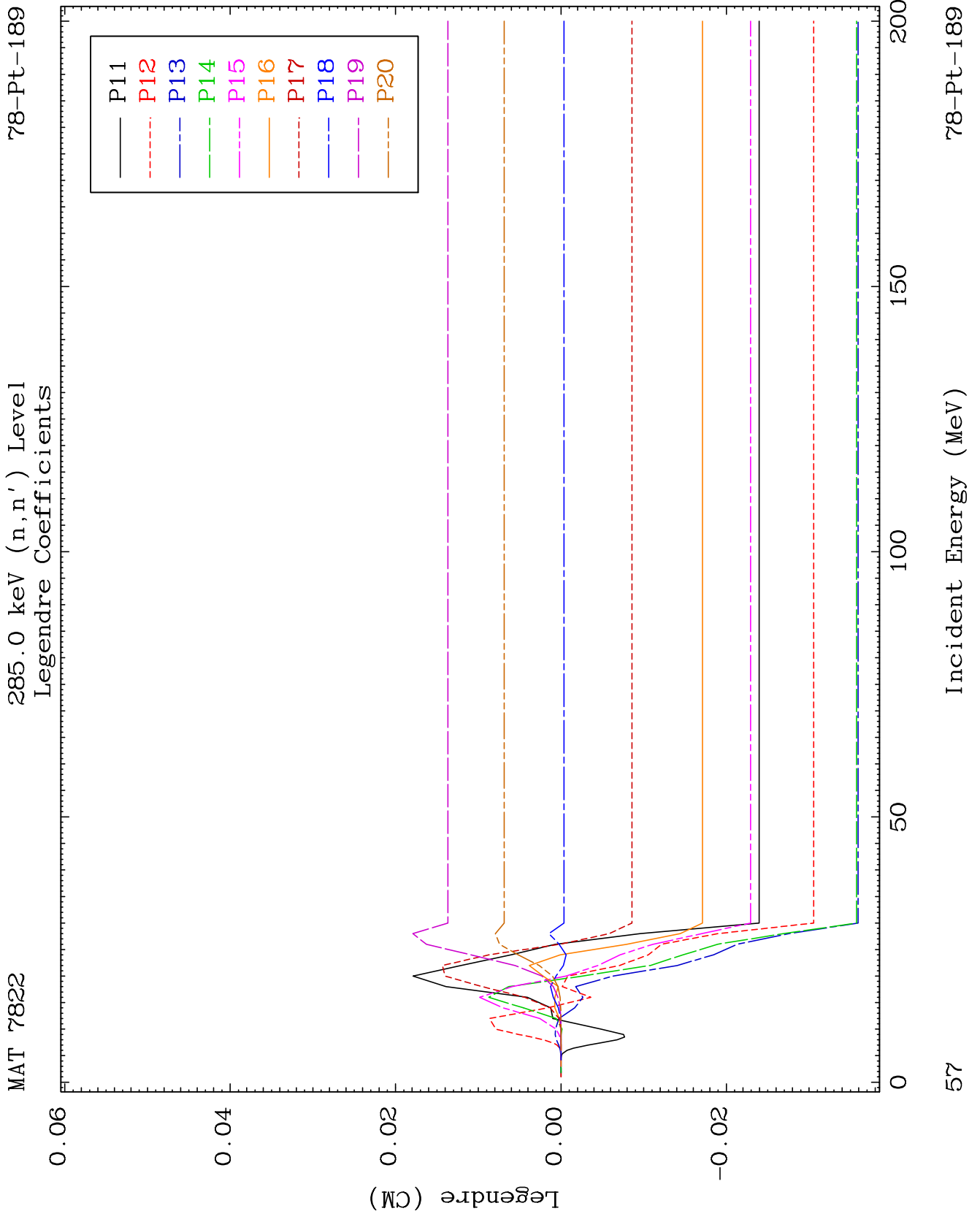
78-Pt-189

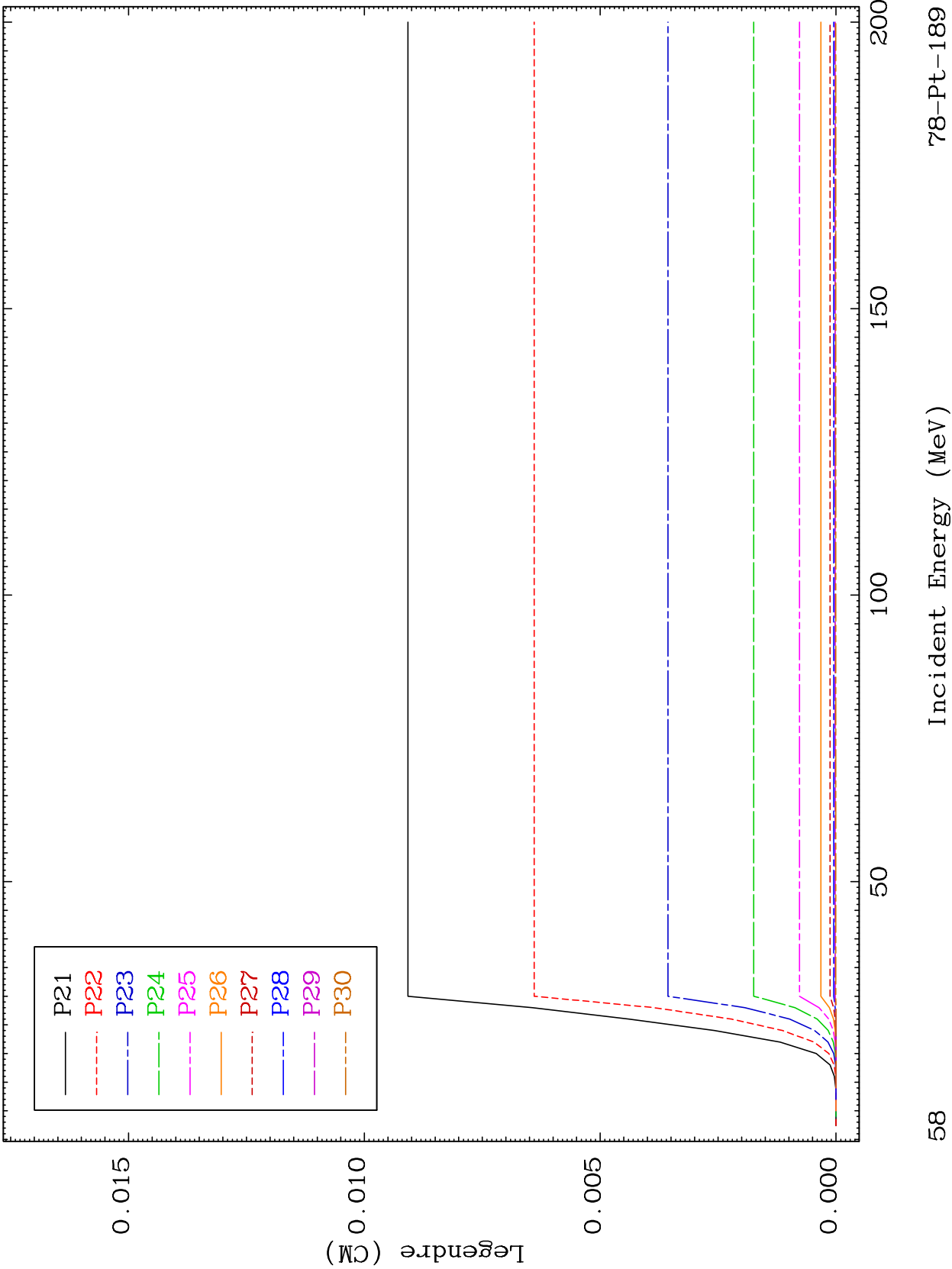


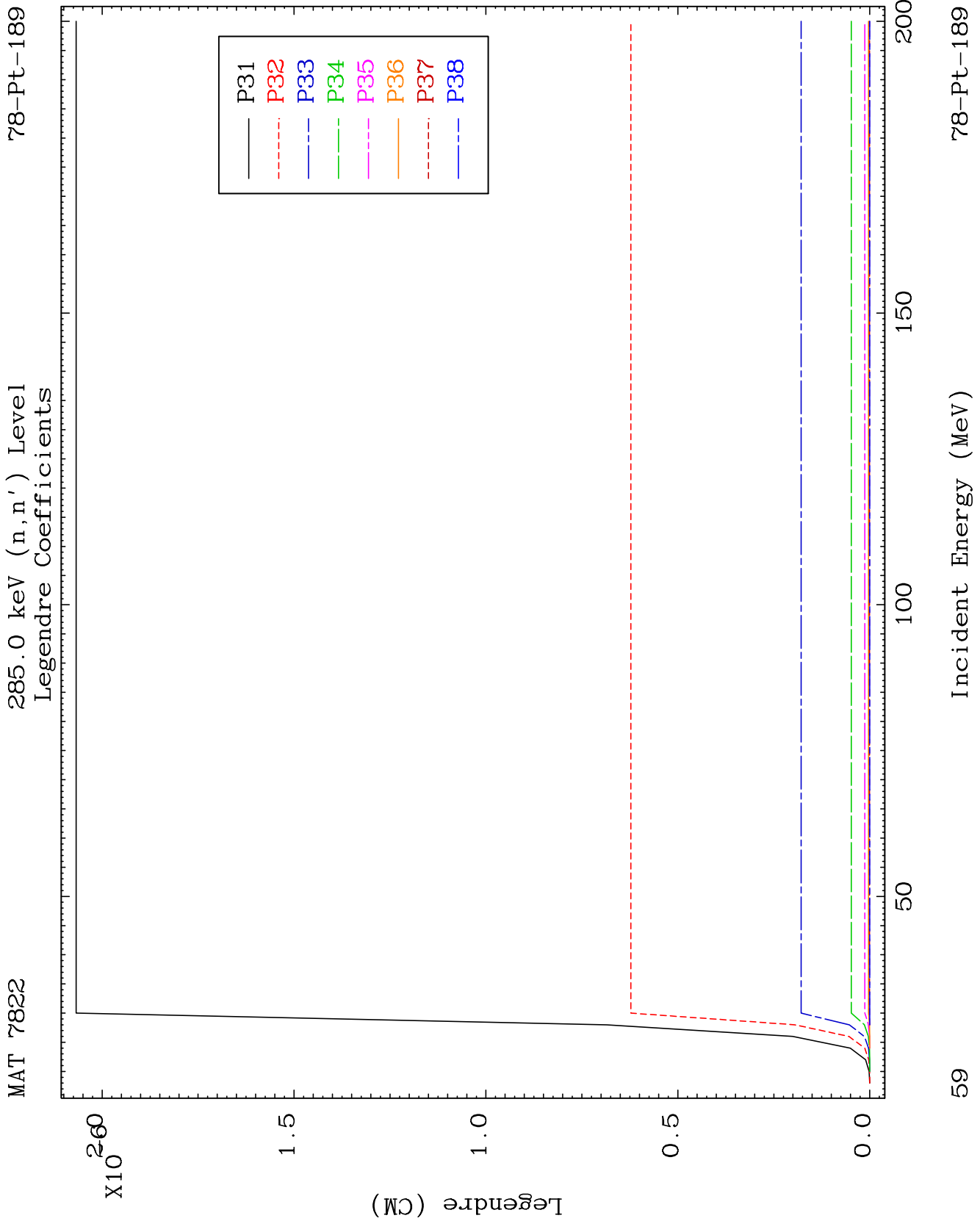
78-Pt-189

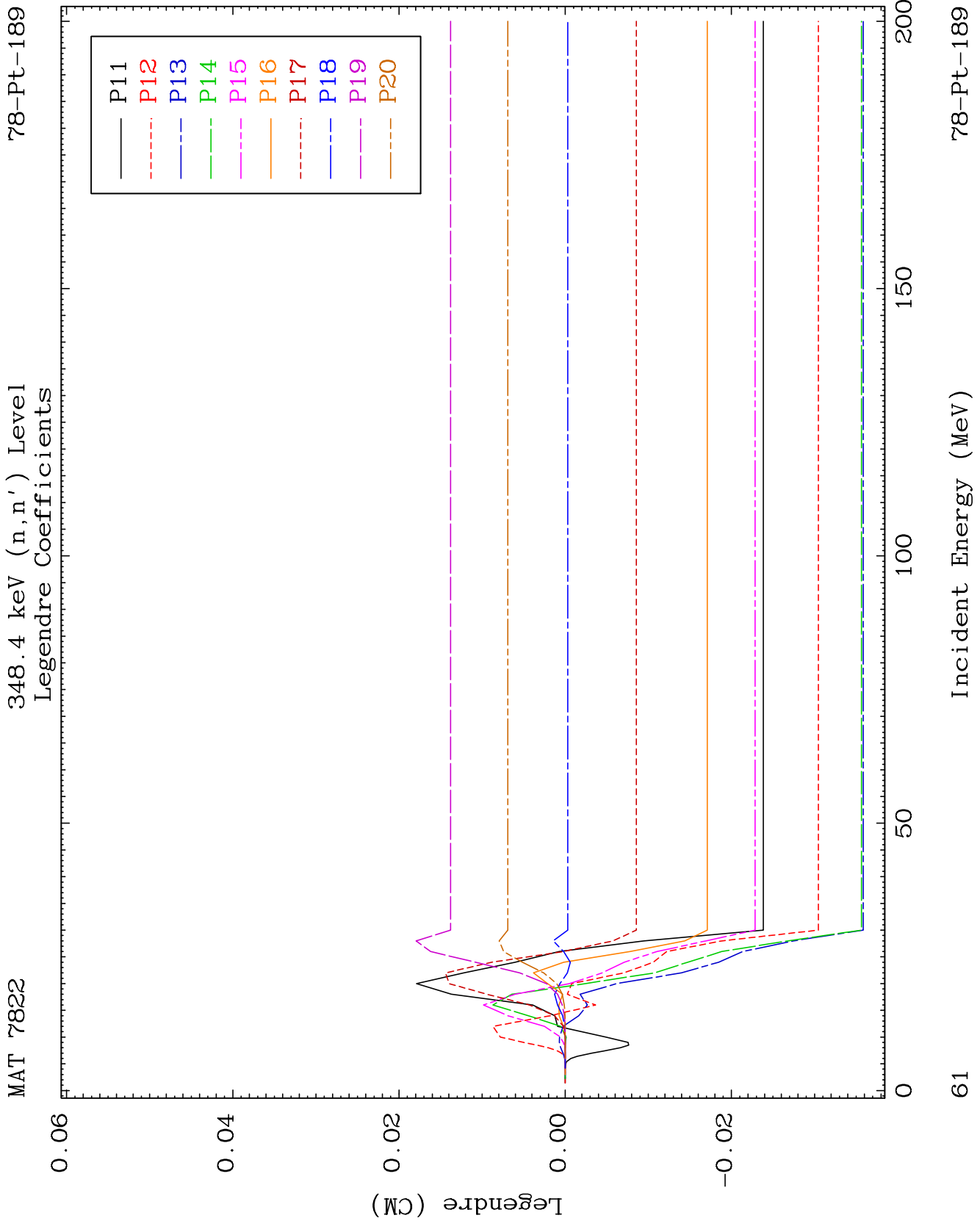
Incident Energy (MeV)

56





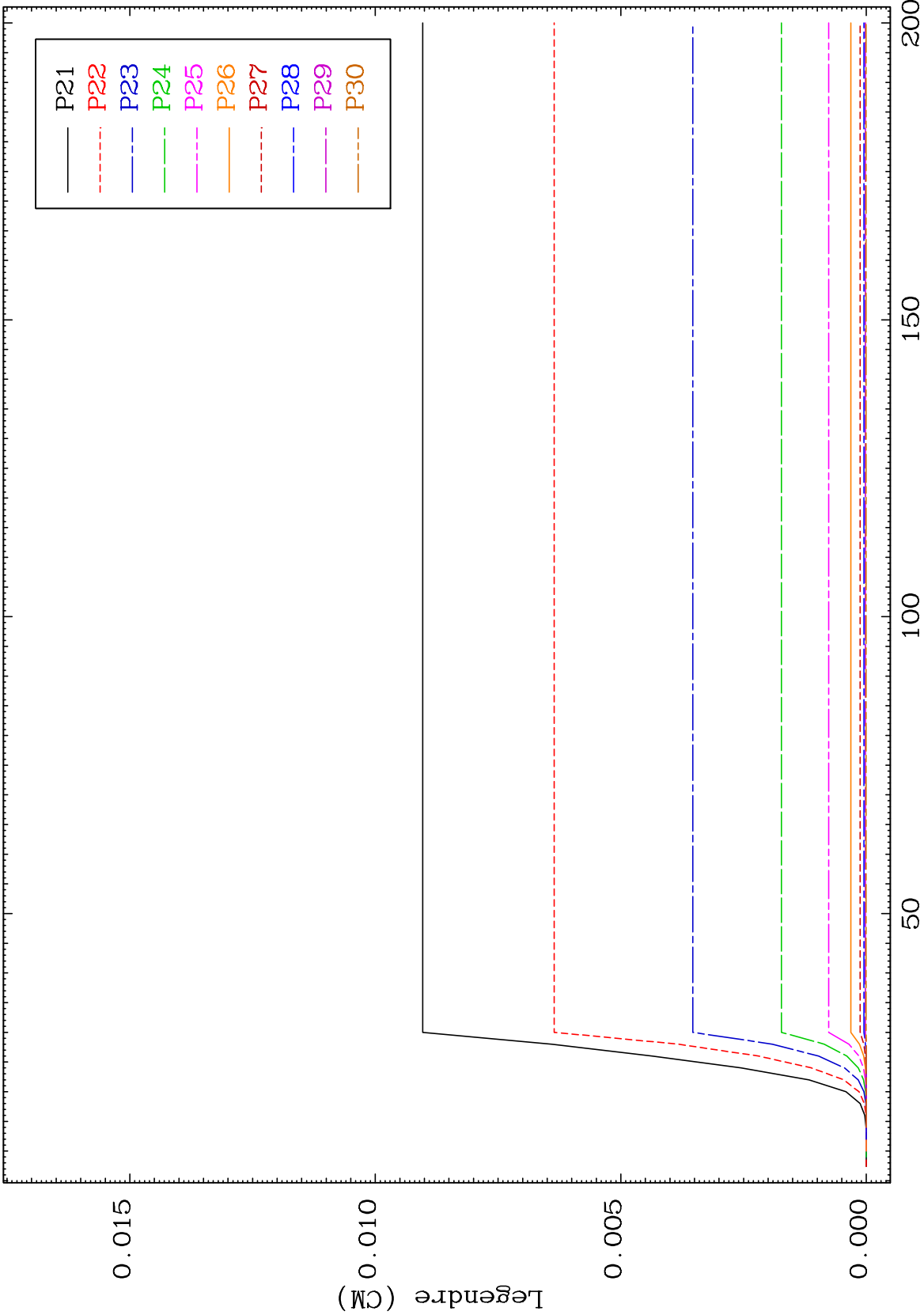




MAT 78222

348.4 keV (n,n') Level
Legendre Coefficients

78-Pt-189



62

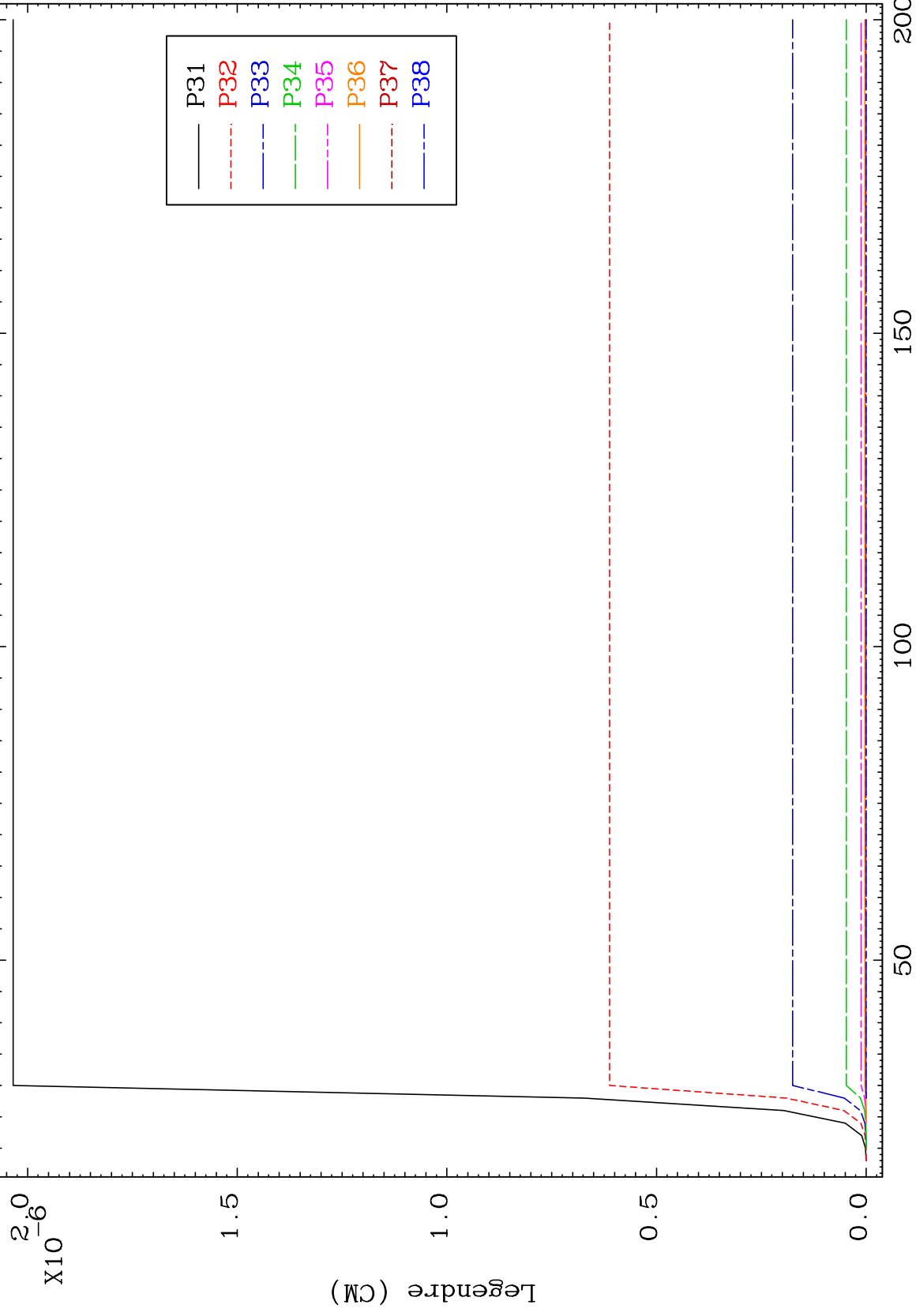
Incident Energy (MeV)

78-Pt-189

MAT 7822

348.4 keV (n,n') Level
Legendre Coefficients

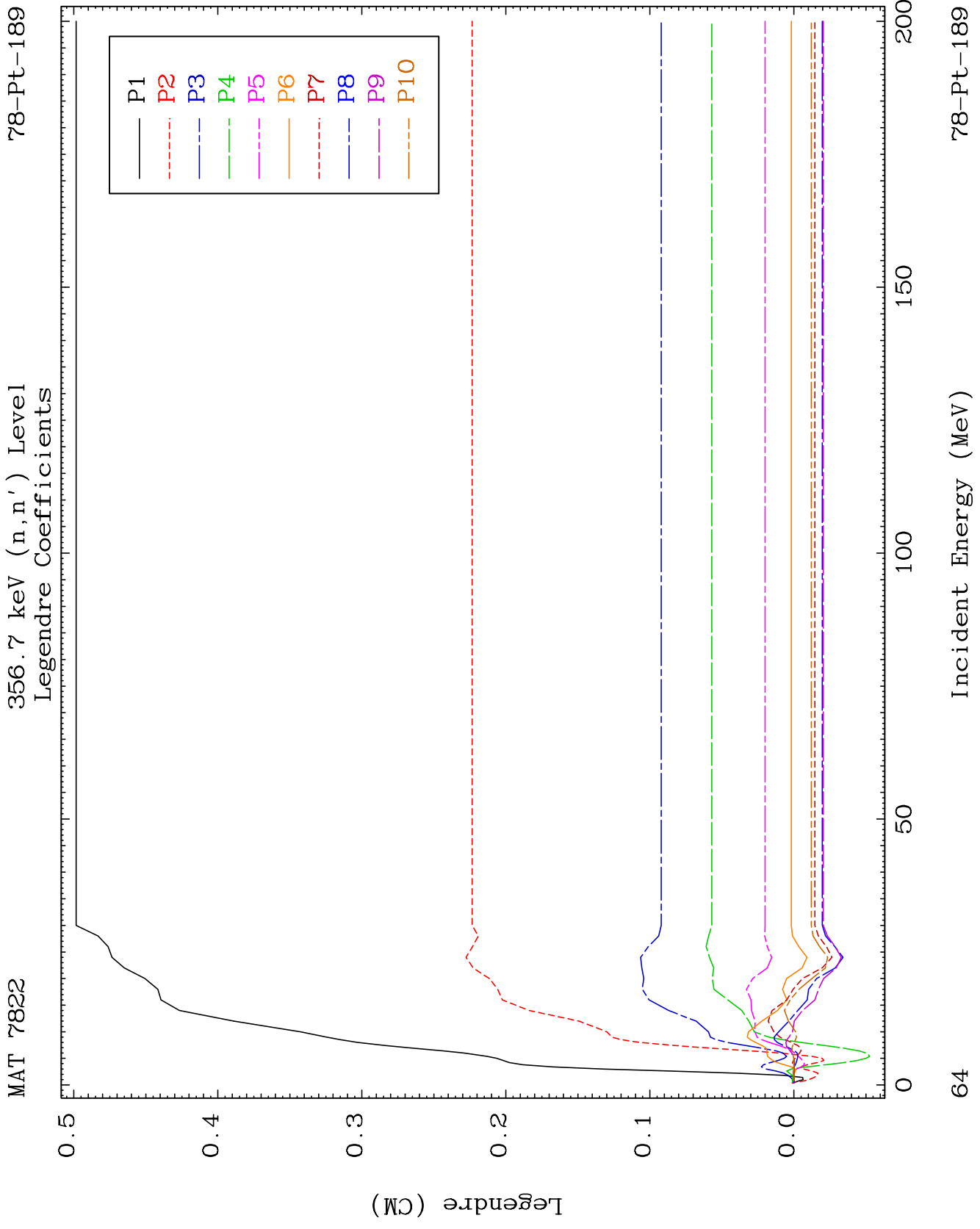
78-Pt-189



63

Incident Energy (MeV)

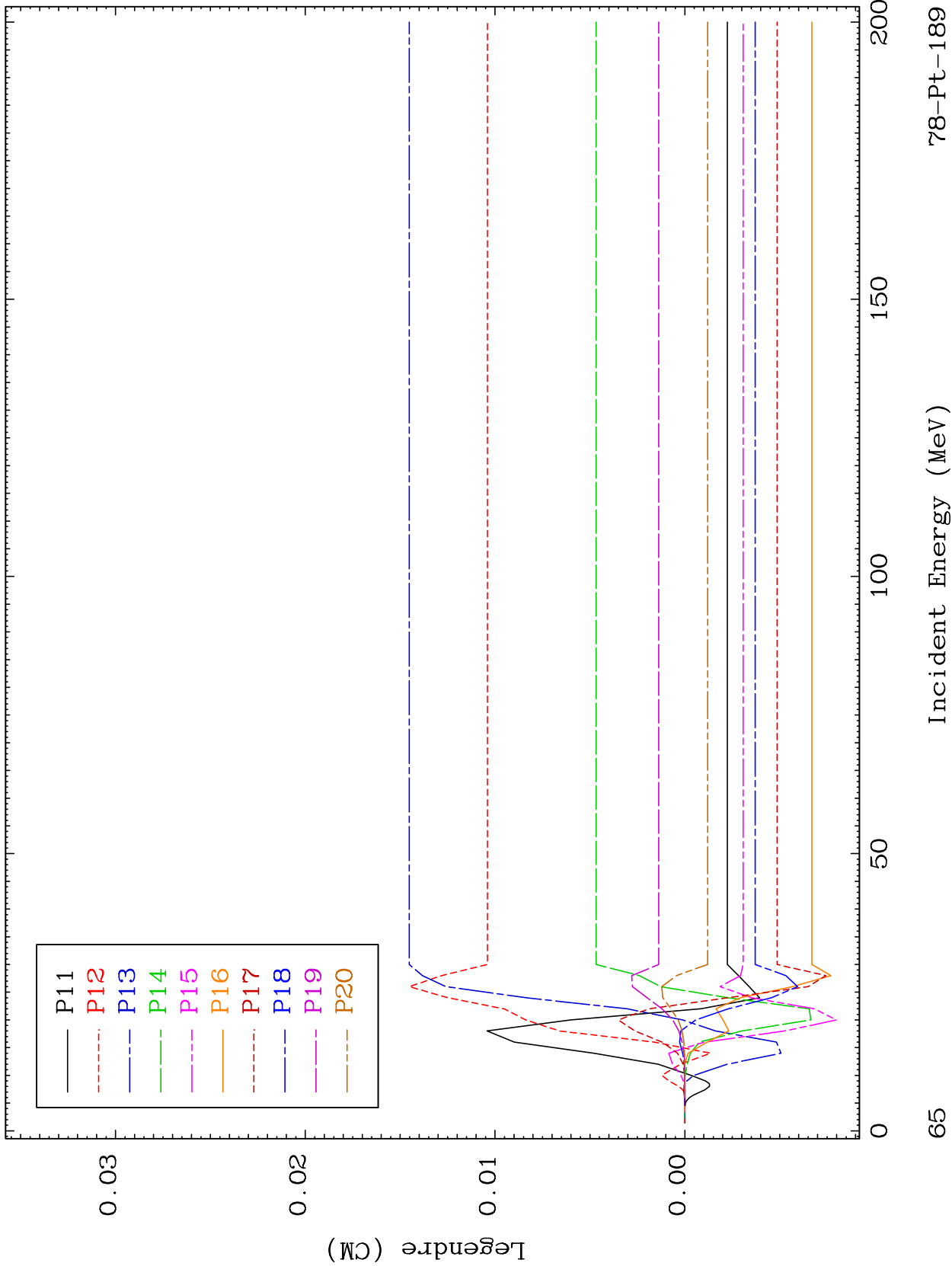
78-Pt-189



MAT 7822

356.7 keV (n,n') Level
Legendre Coefficients

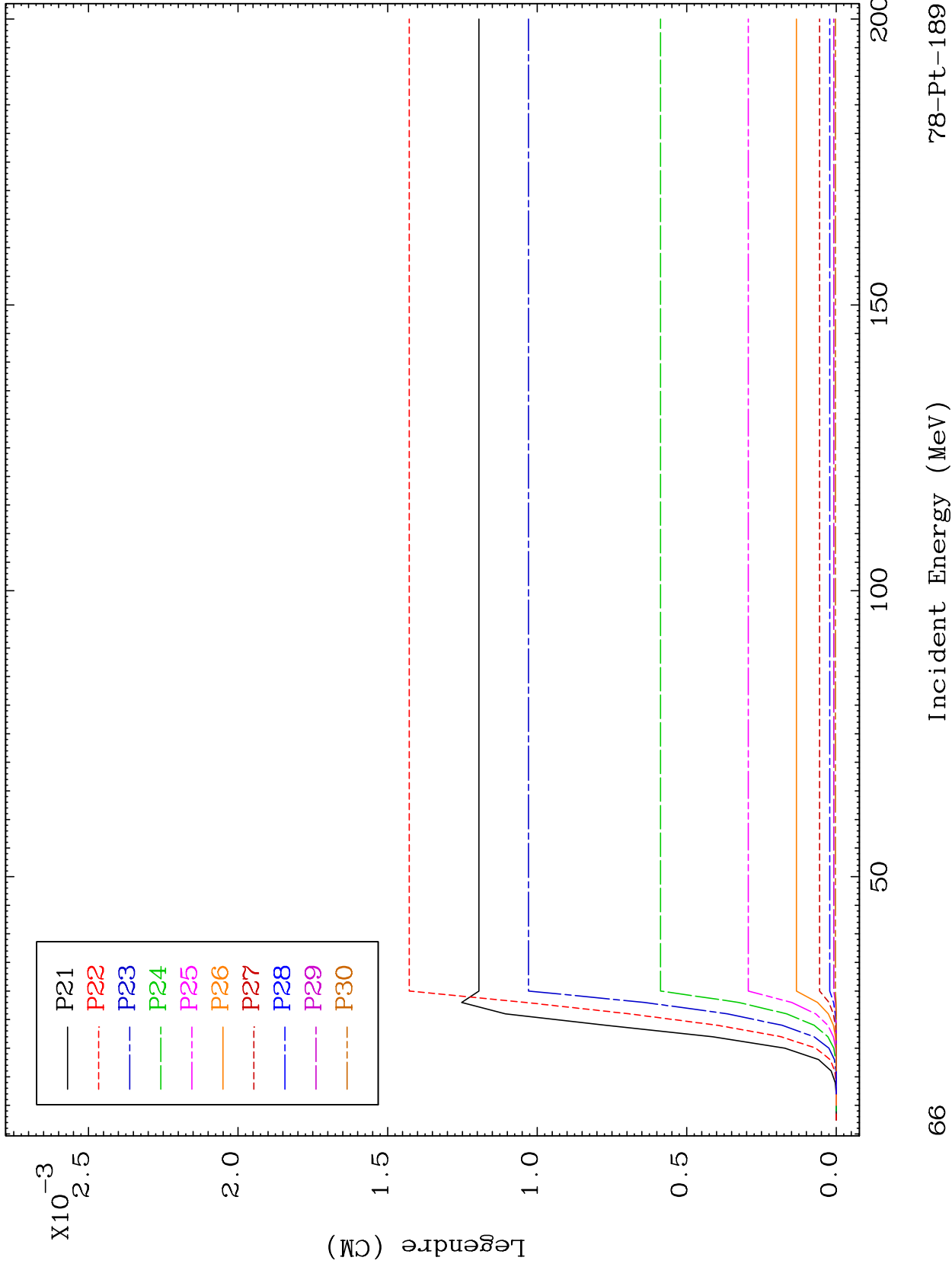
78-Pt-189



78-Pt-189

Incident Energy (MeV)

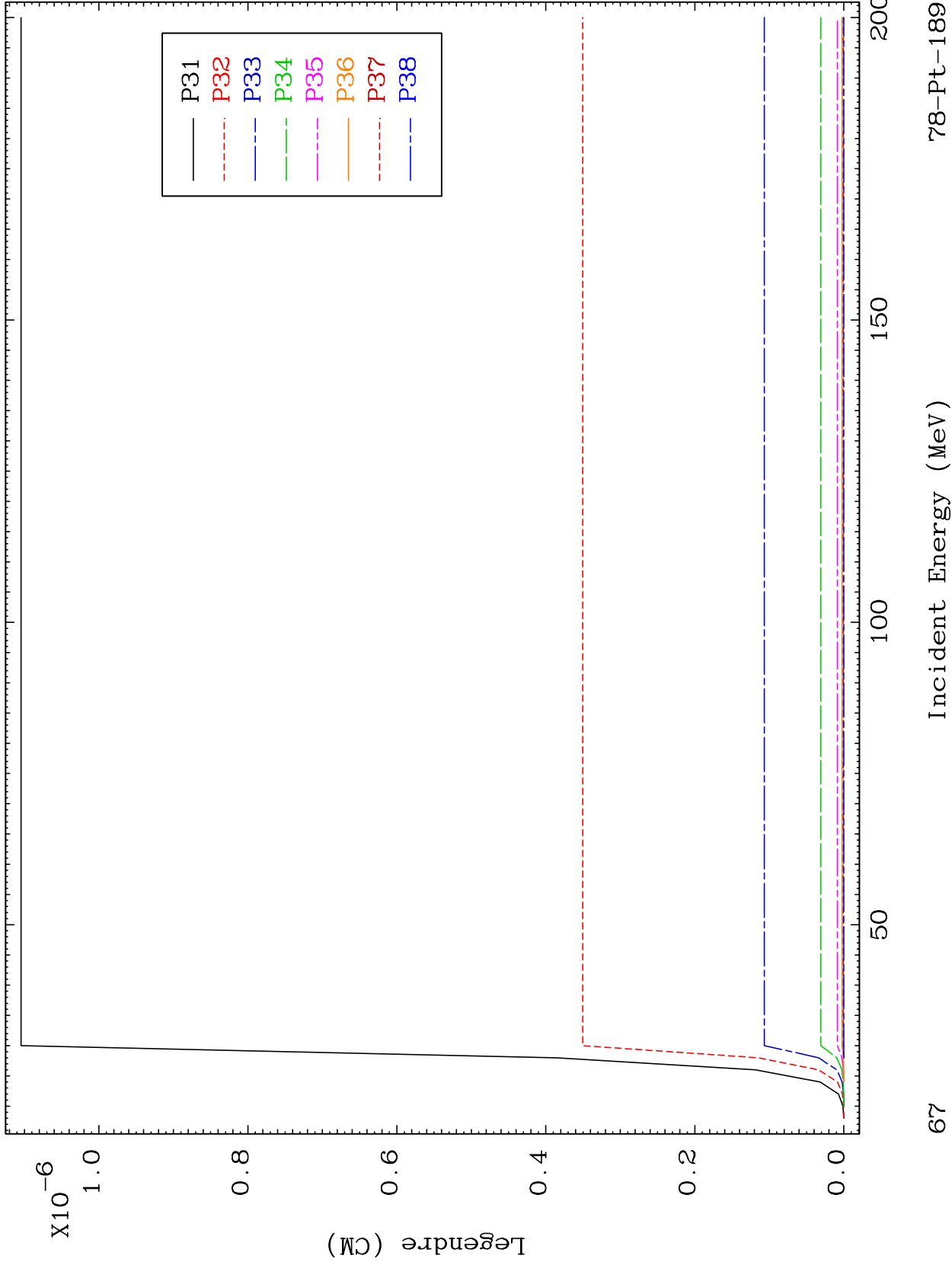
65



MAT 7822

356.7 keV (n,n') Level
Legendre Coefficients

78-Pt-189

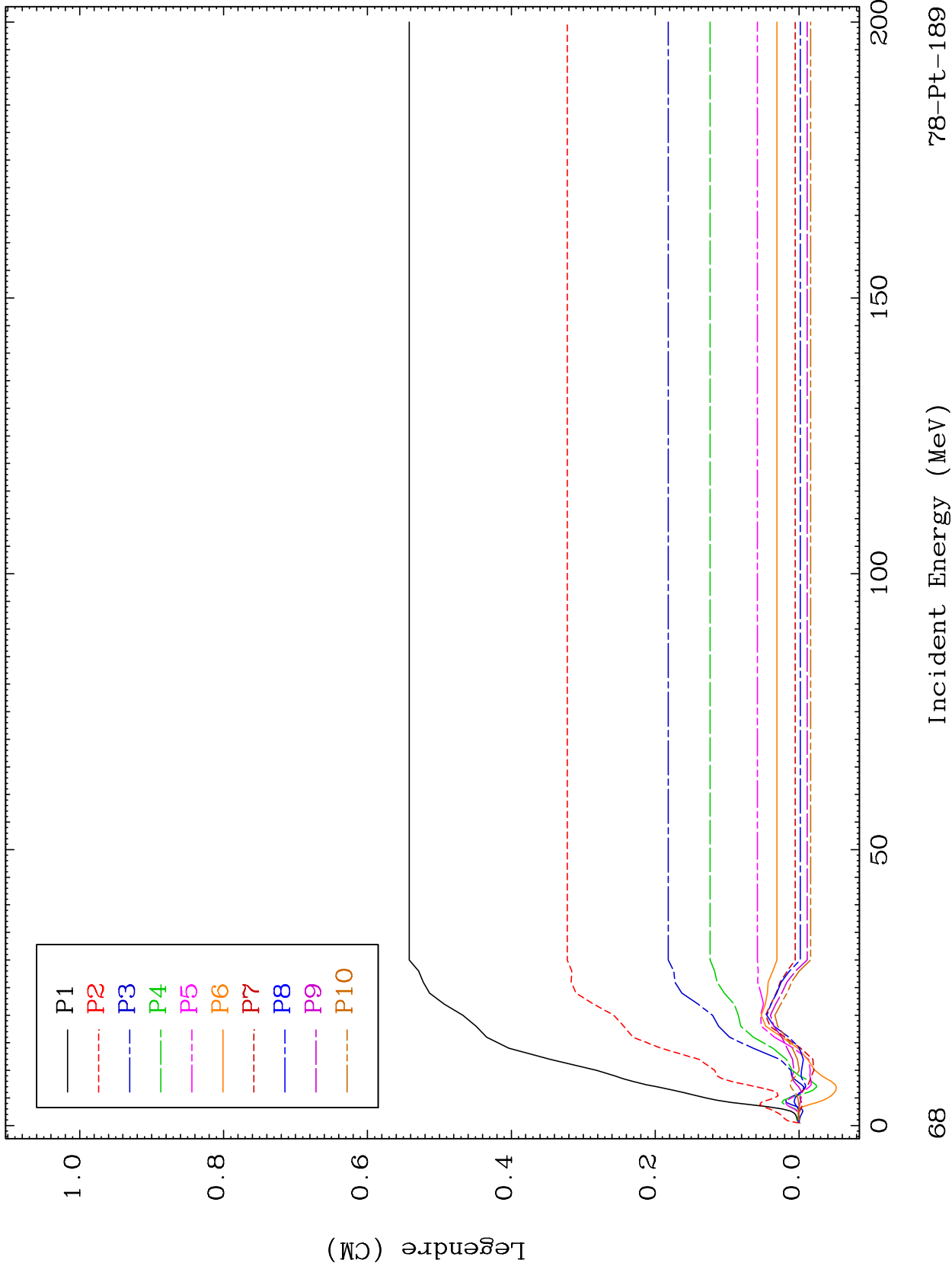


67

MAT 7822

447.7 keV (n,n') Level
Legendre Coefficients

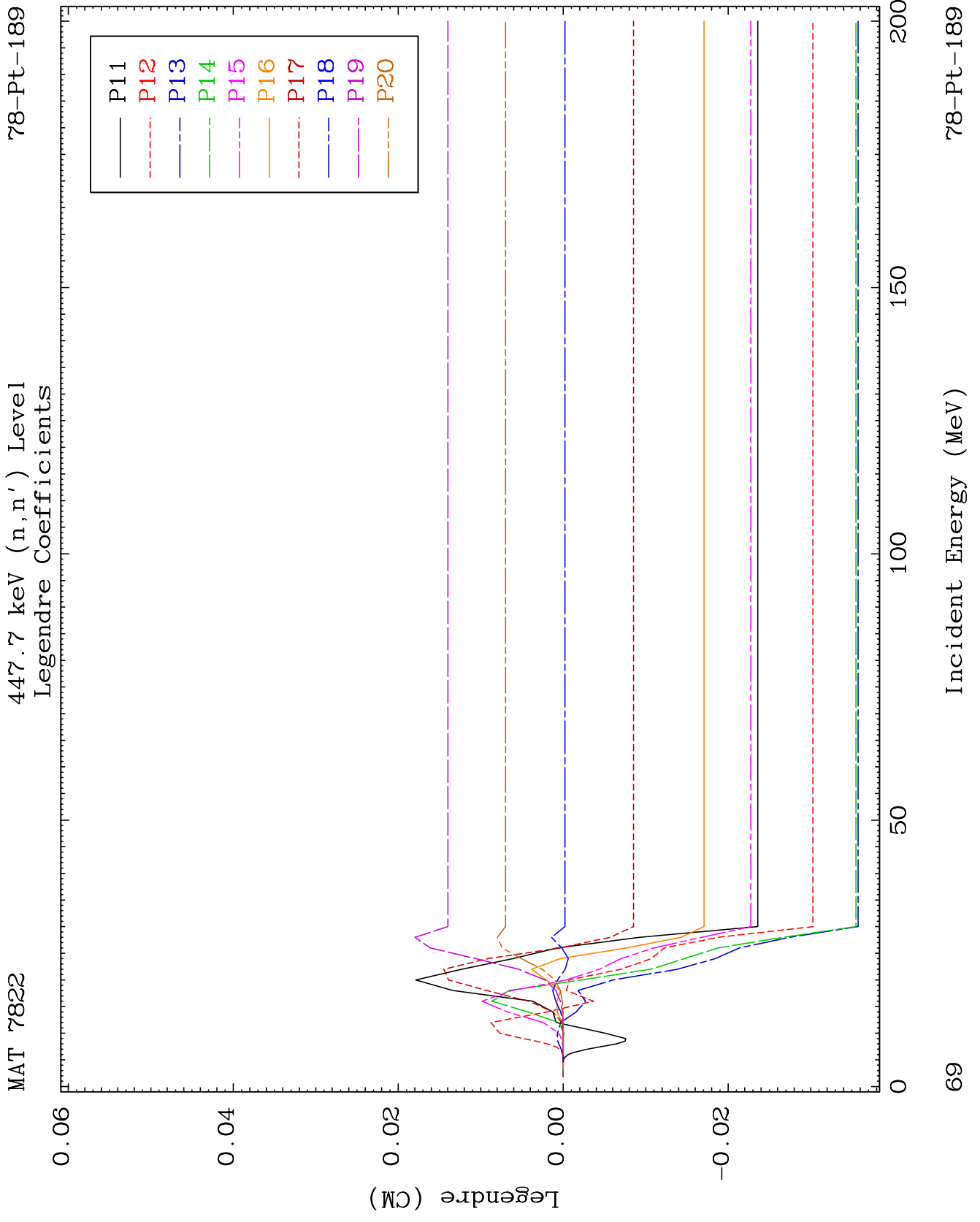
78-Pt-189



68

Incident Energy (MeV)

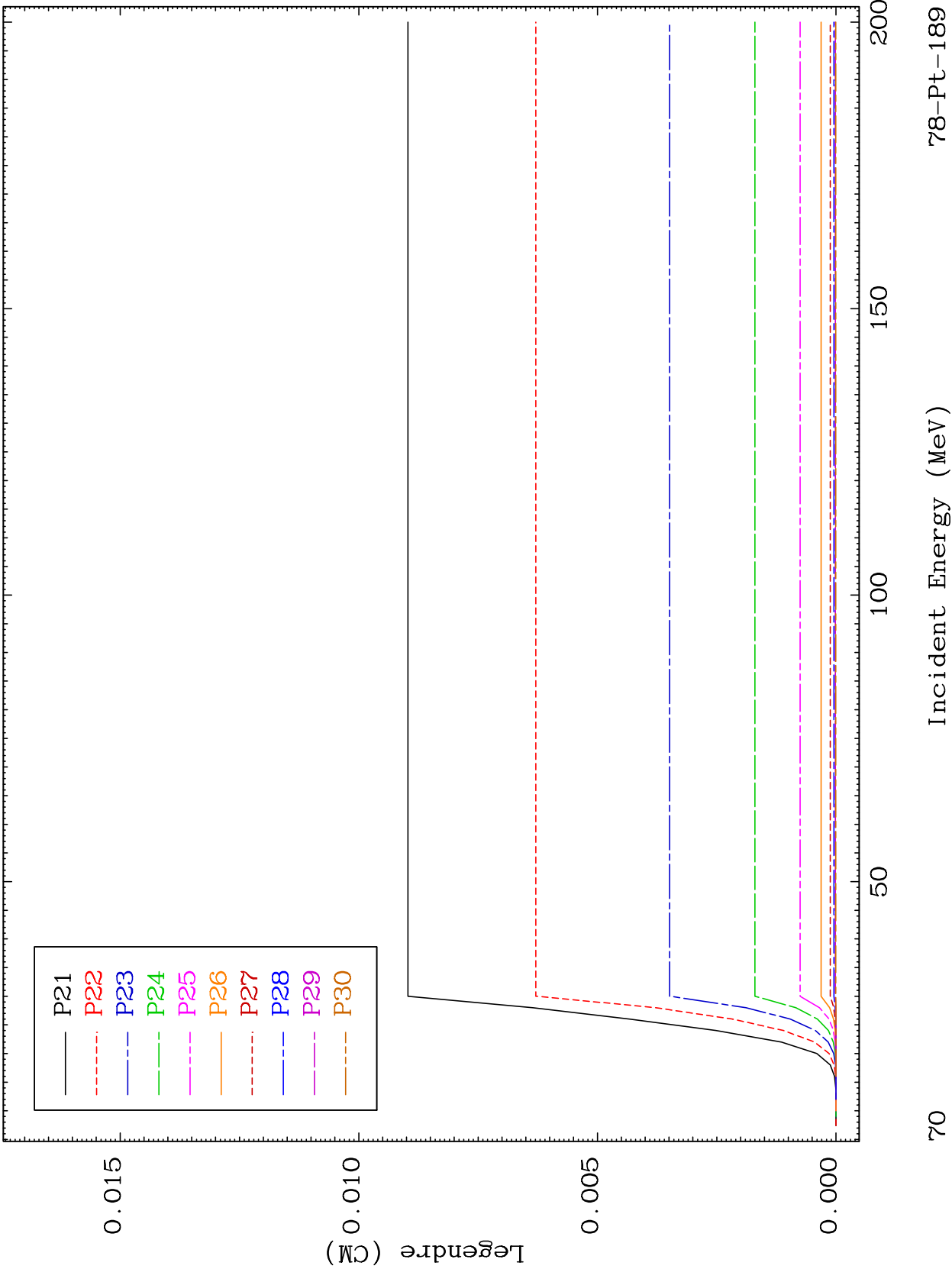
78-Pt-189



MAT 7822

447.7 keV (n,n') Level
Legendre Coefficients

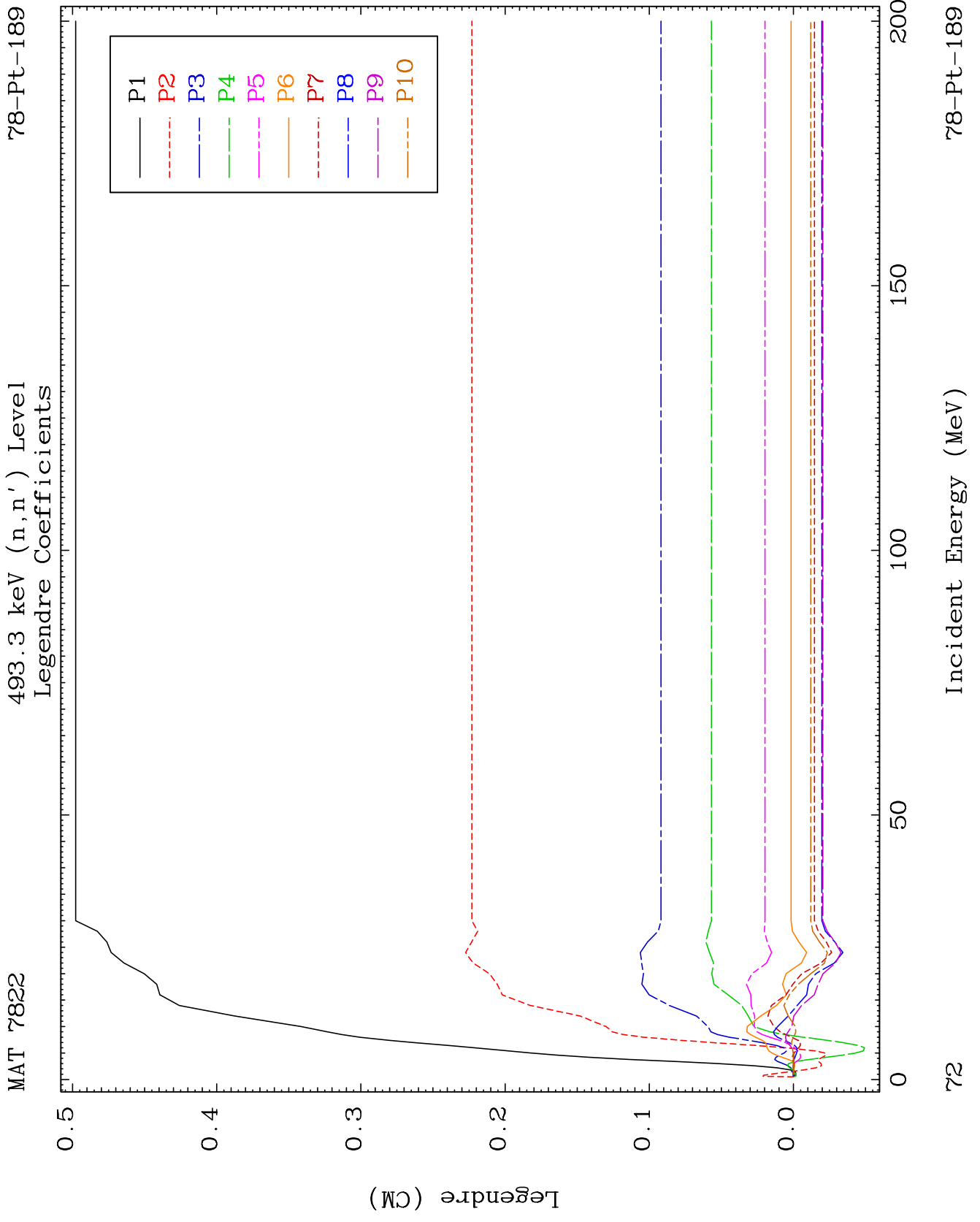
78-Pt-189



70

Incident Energy (MeV)

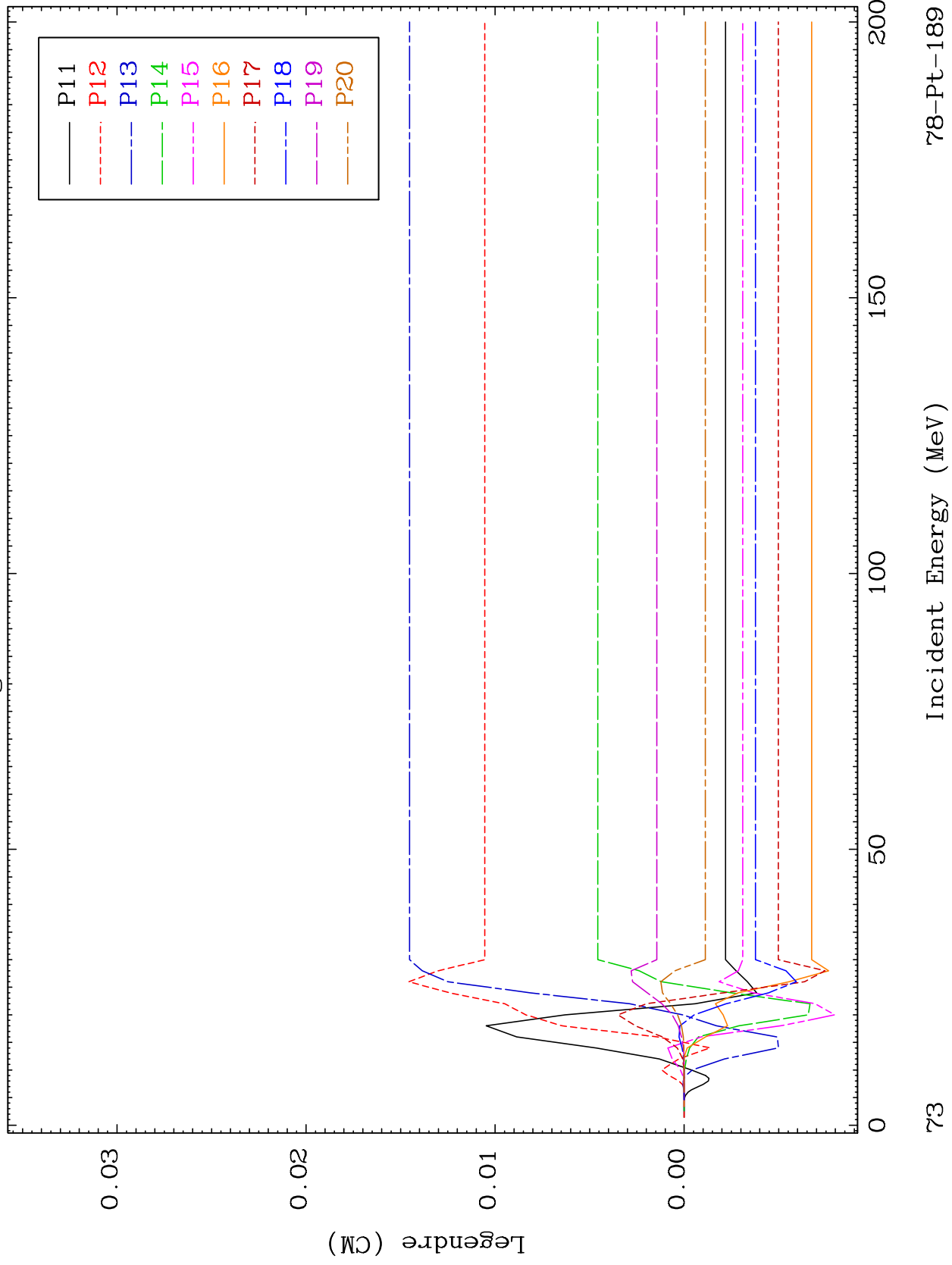
78-Pt-189



MAT 7822

493.3 keV (n,n') Level
Legendre Coefficients

78-Pt-189



78-Pt-189

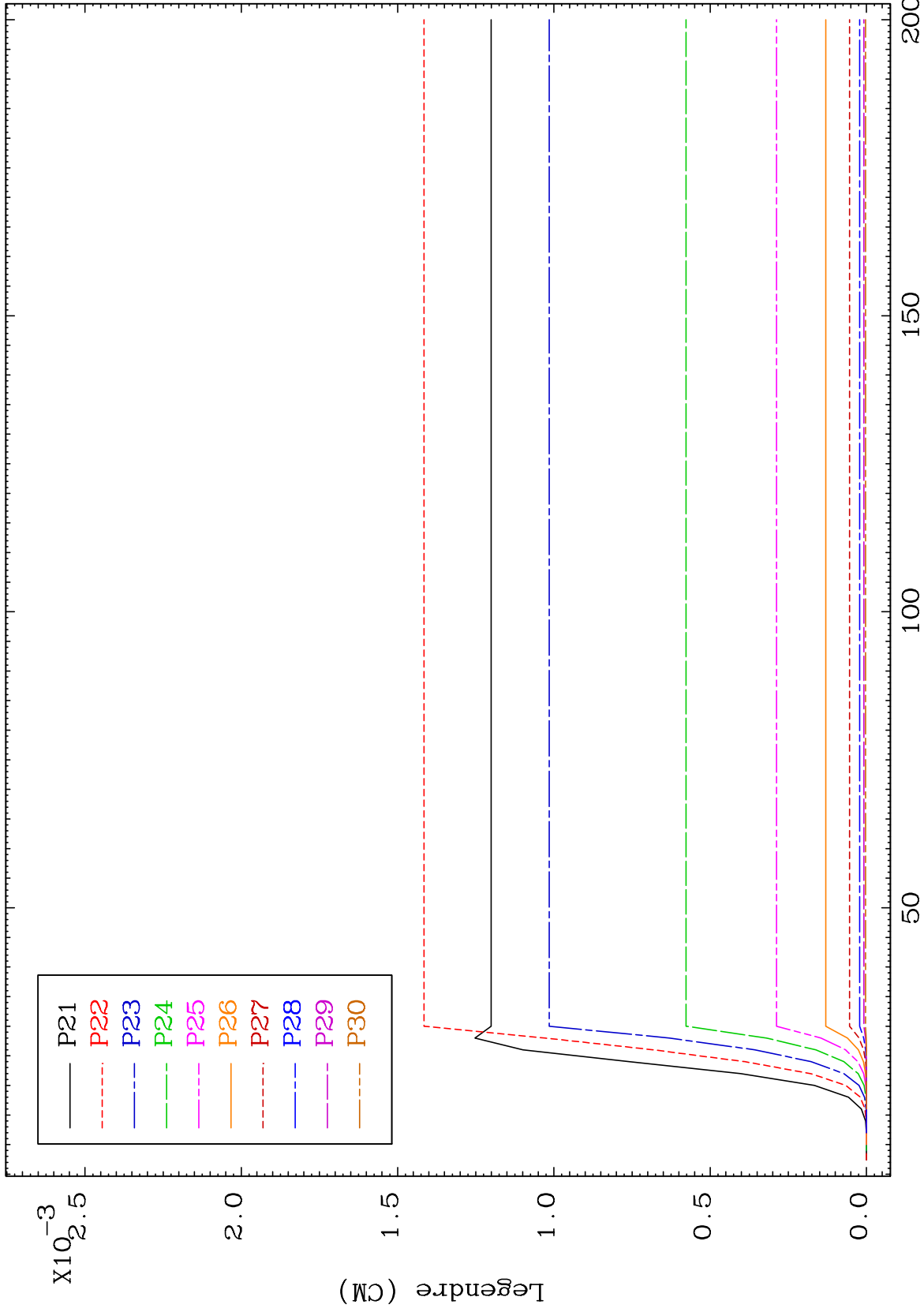
Incident Energy (MeV)

73

MAT 7822

493.3 keV (n,n') Level
Legendre Coefficients

78-Pt-189



74

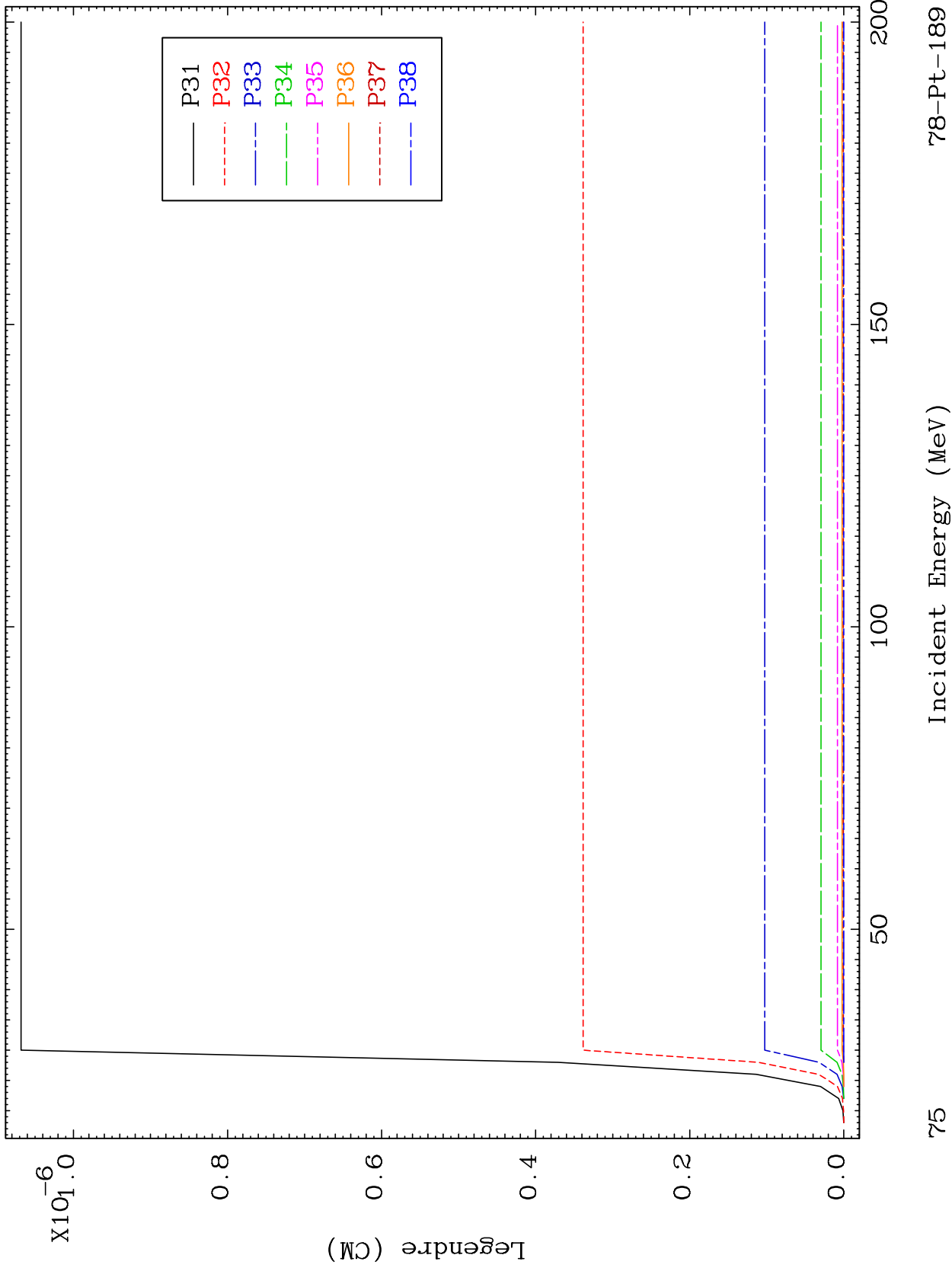
Incident Energy (MeV)

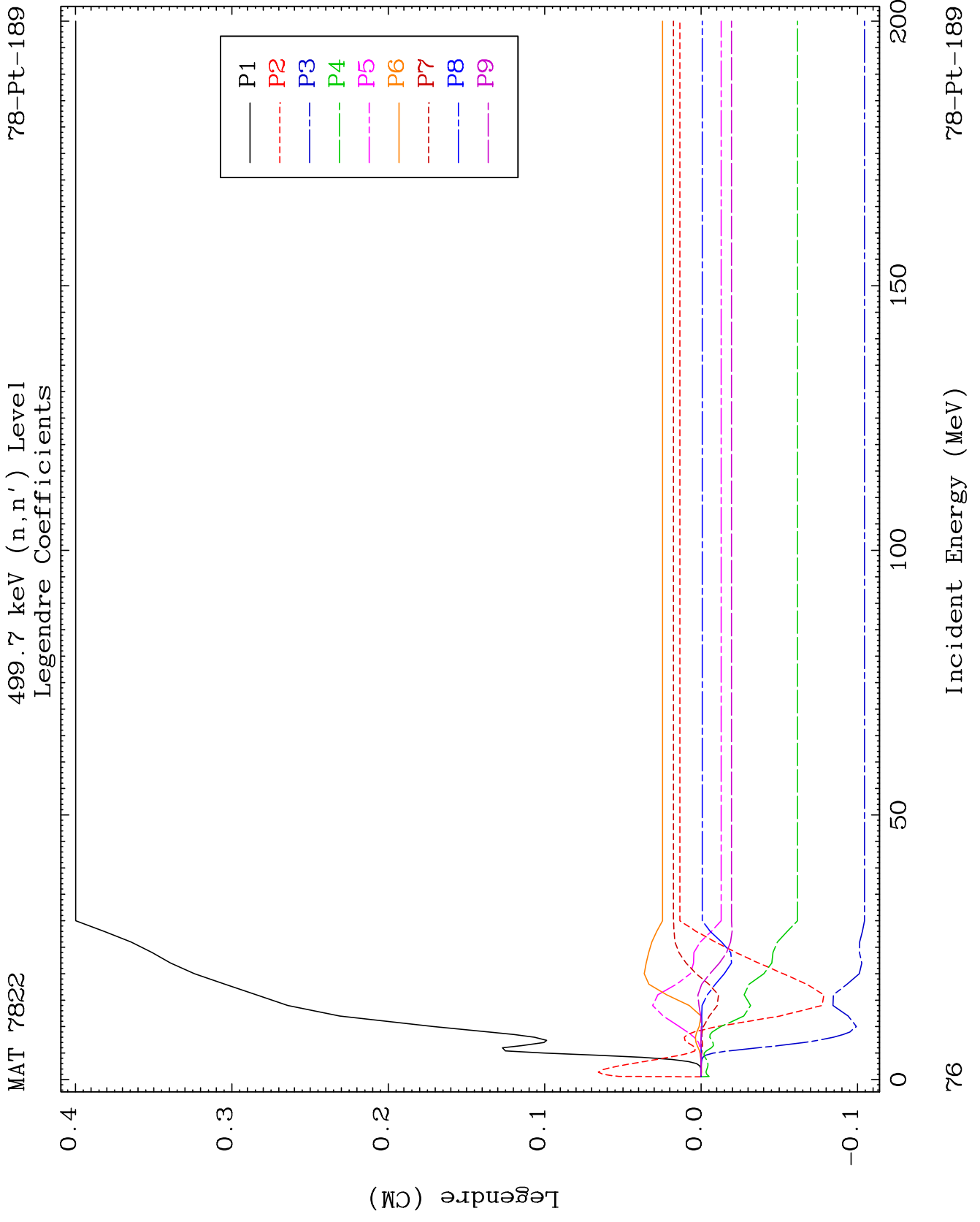
78-Pt-189

MAT 7822

493.3 keV (n,n') Level
Legendre Coefficients

78-Pt-189

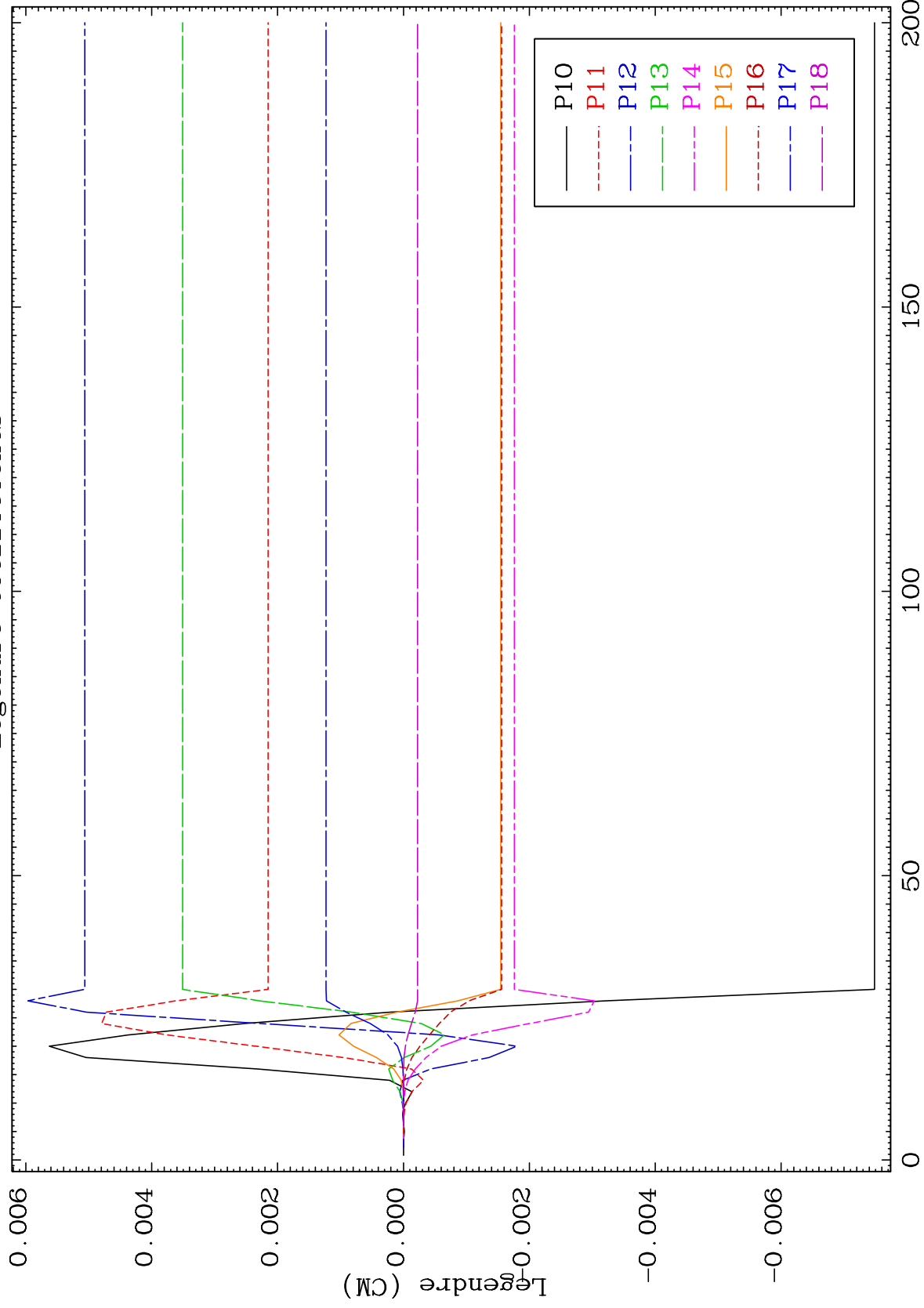




MAT 7822

499.7 keV (n,n') Level
Legendre Coefficients

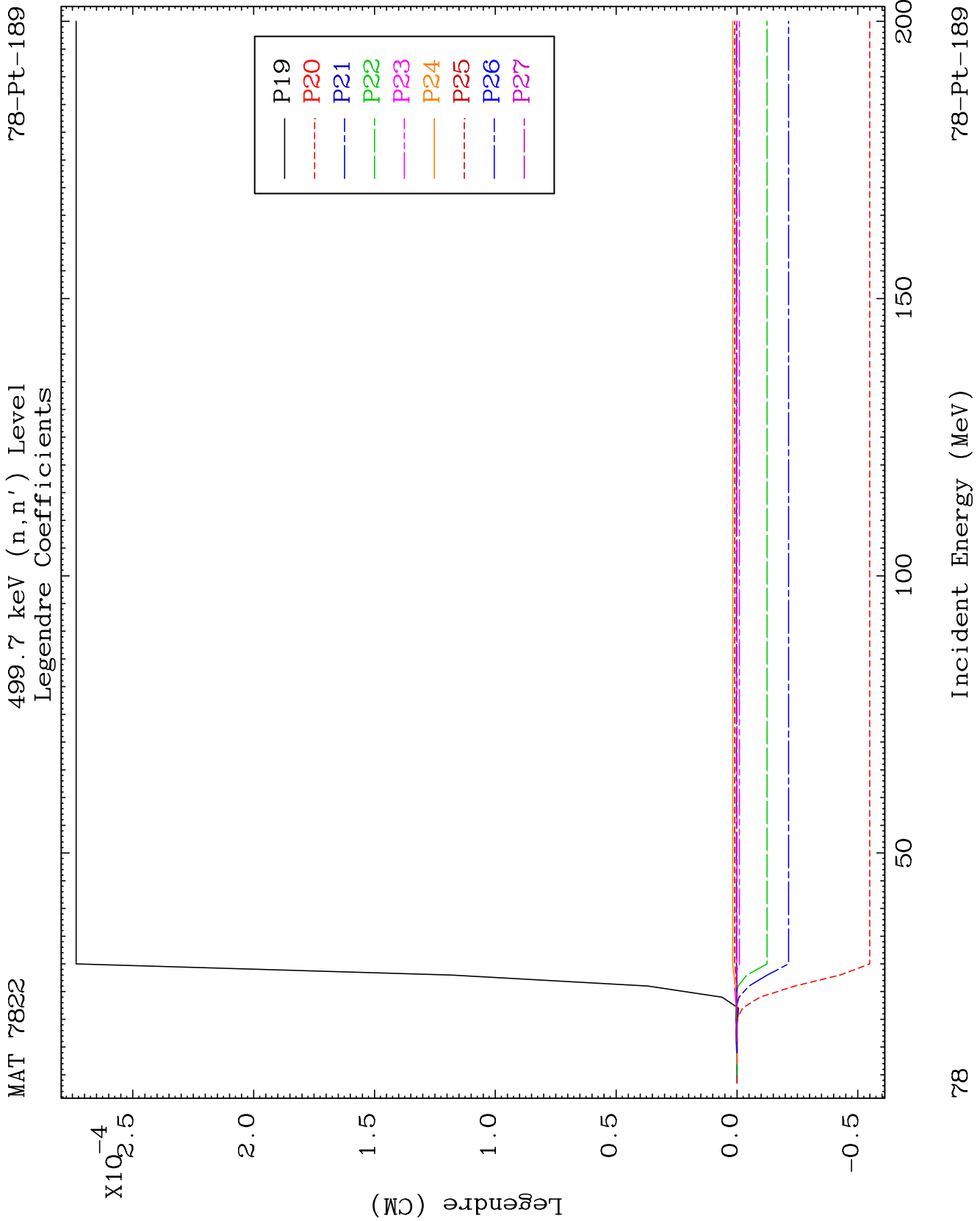
78-Pt-189

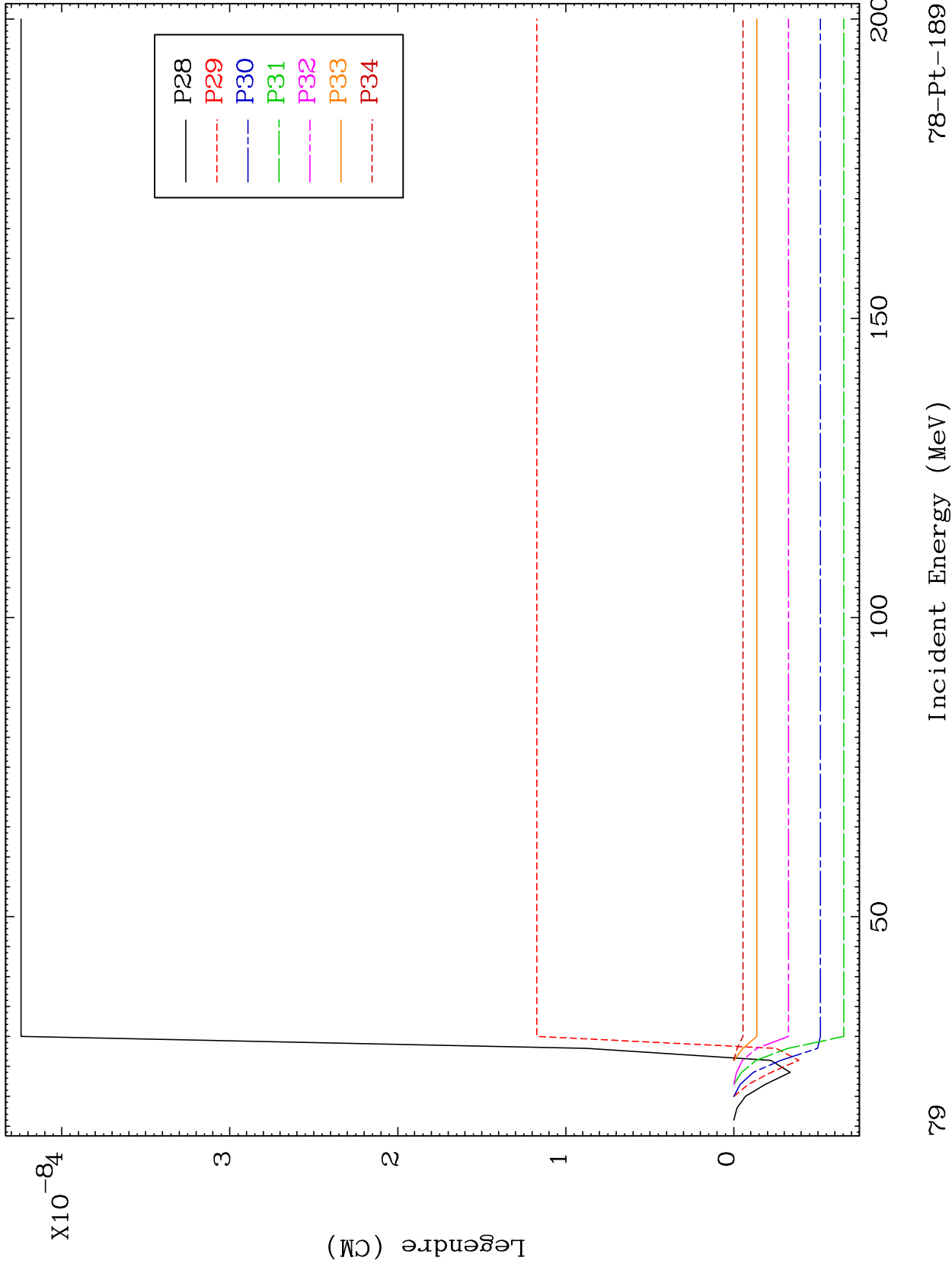


77

Incident Energy (MeV)

78-Pt-189

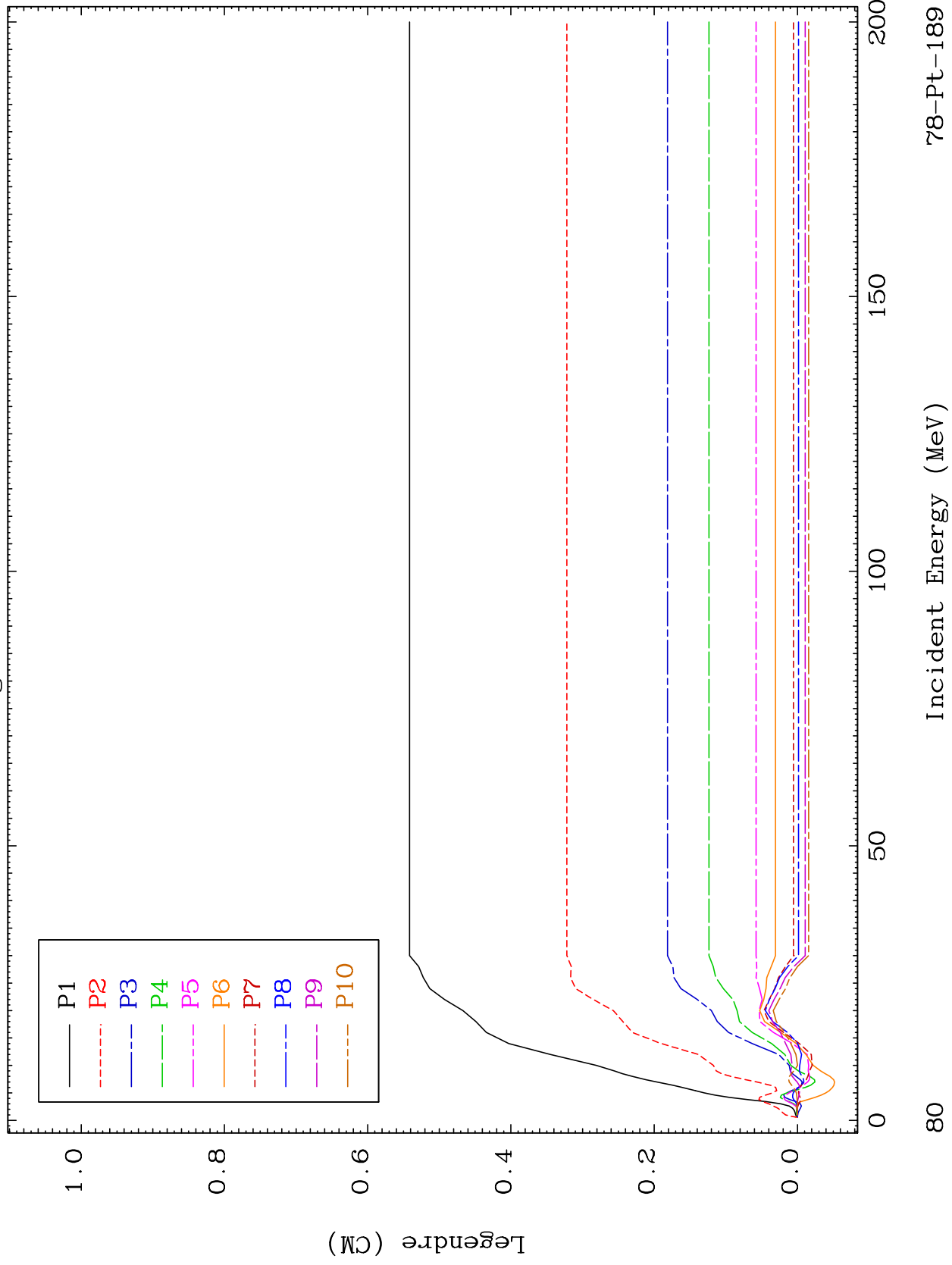


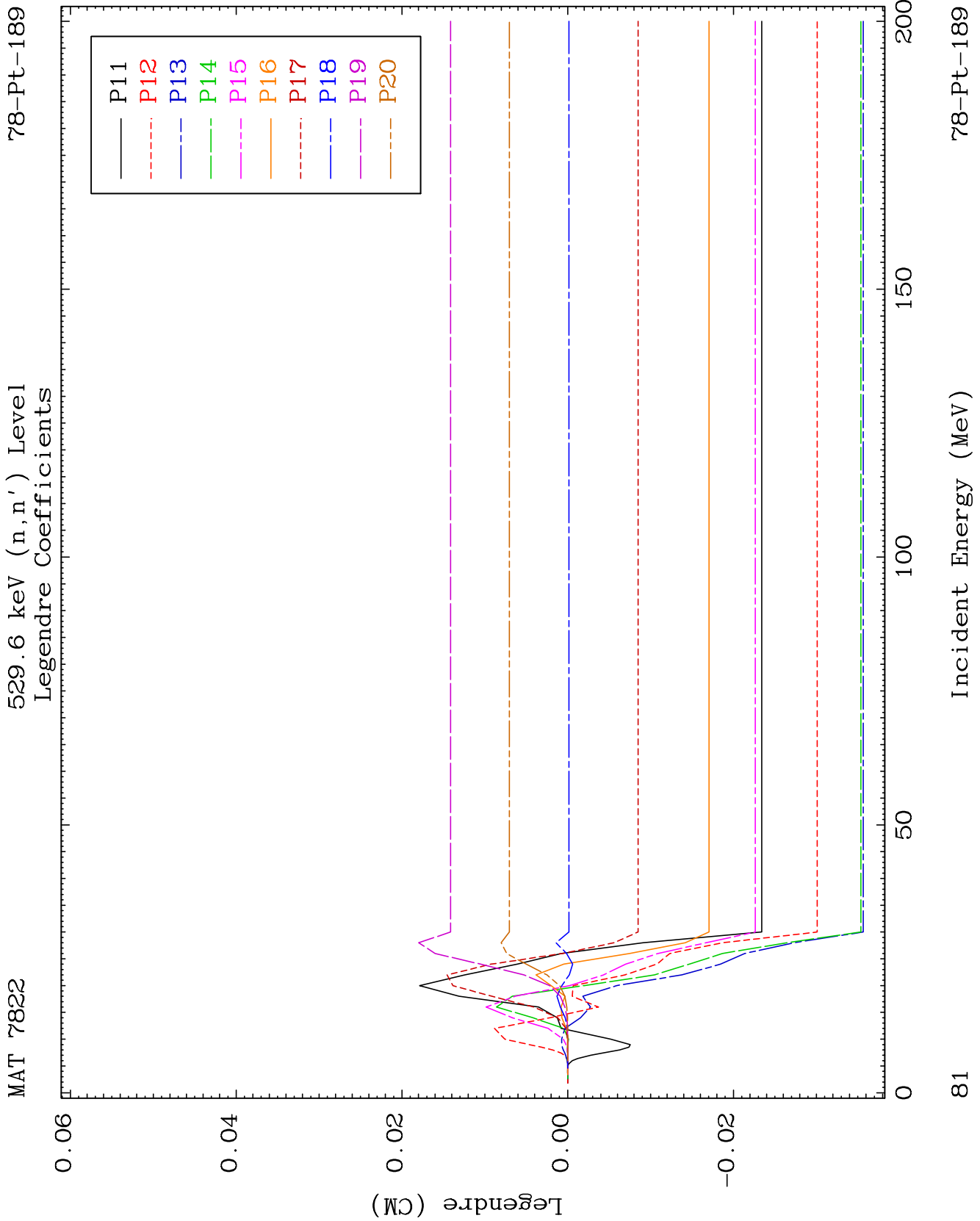


MAT 7822

529.6 keV (n,n') Level
Legendre Coefficients

78-Pt-189

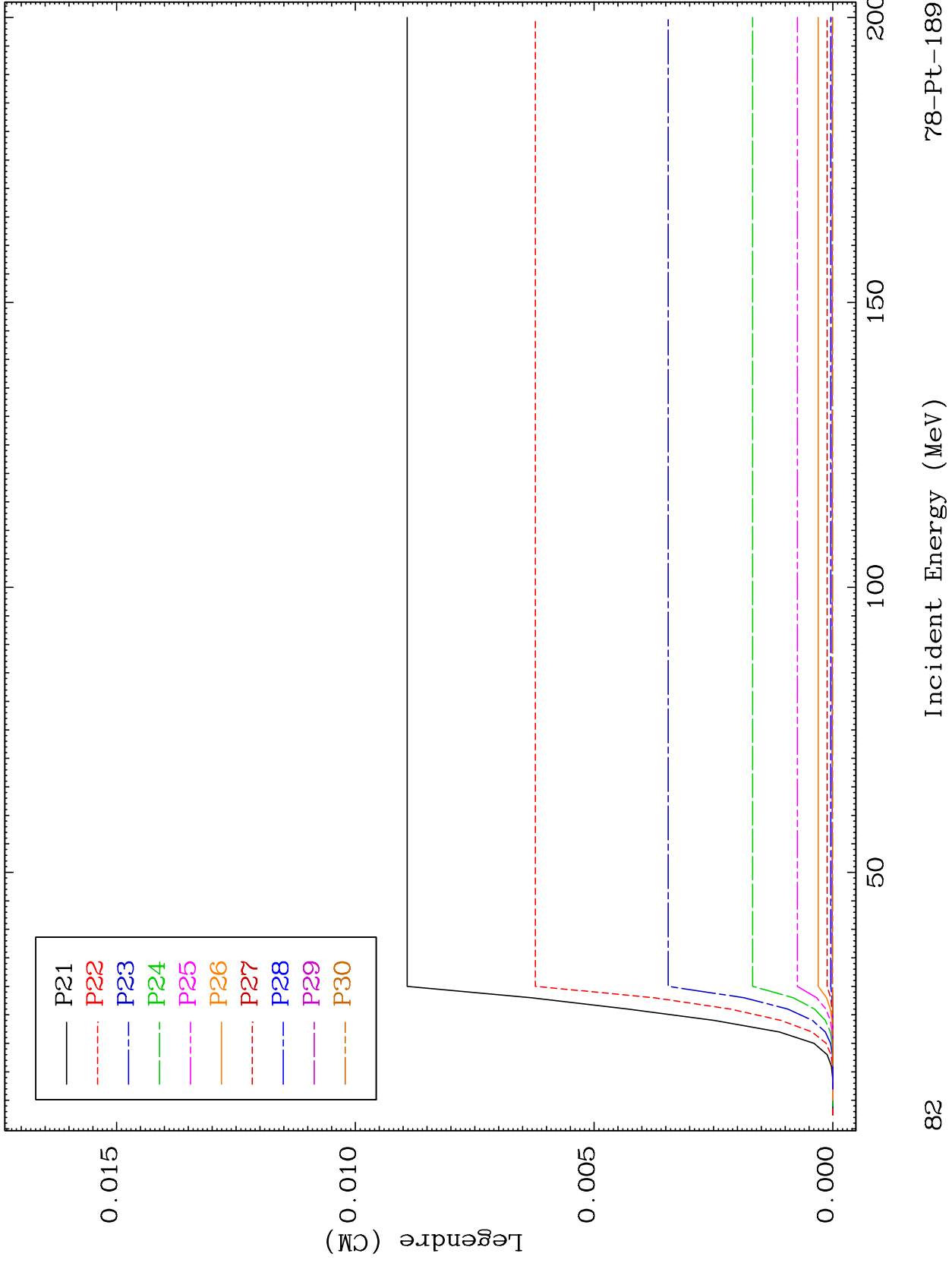


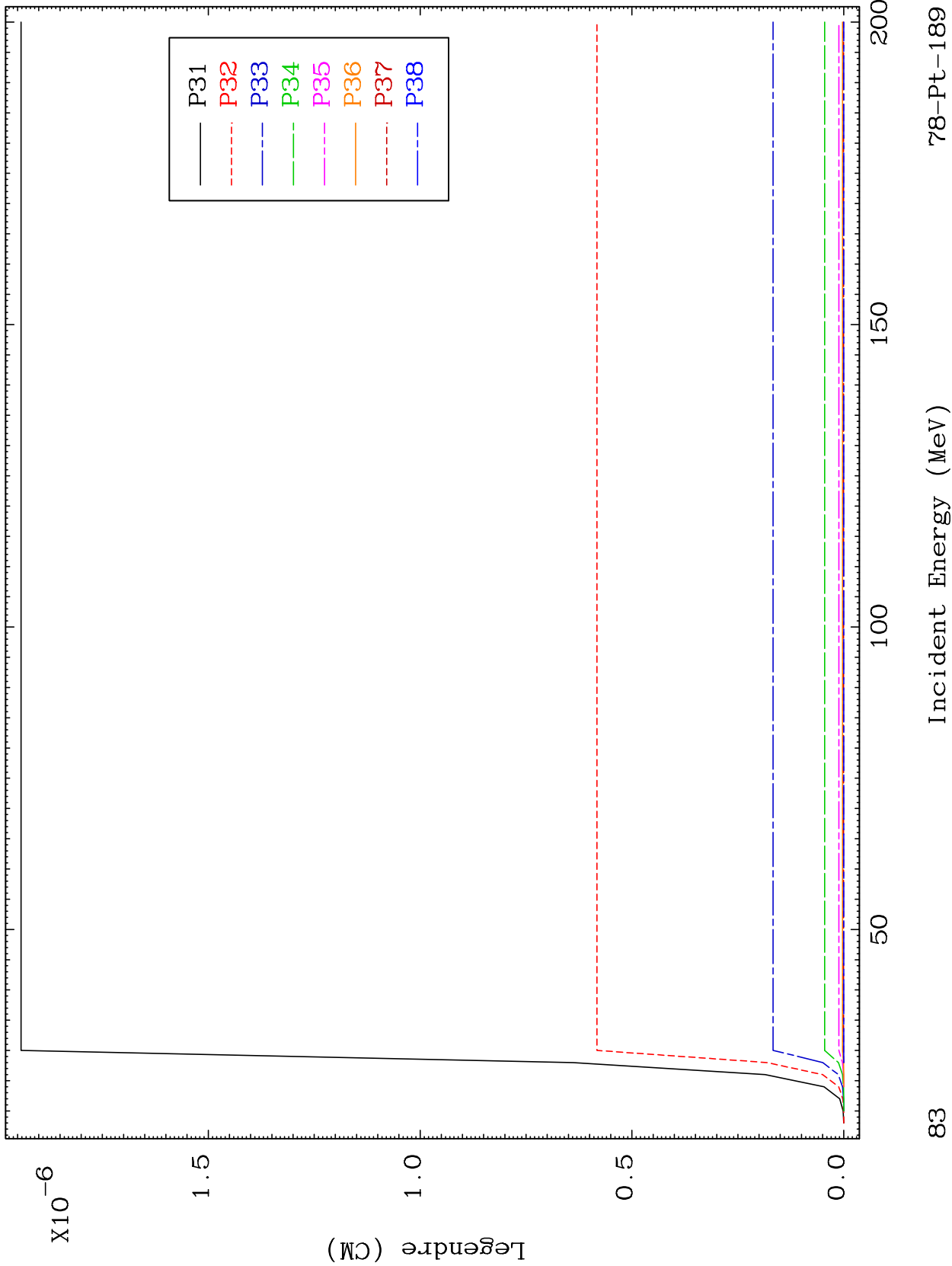


MAT 78222

529.6 keV (n,n') Level
Legendre Coefficients

78-Pt-189

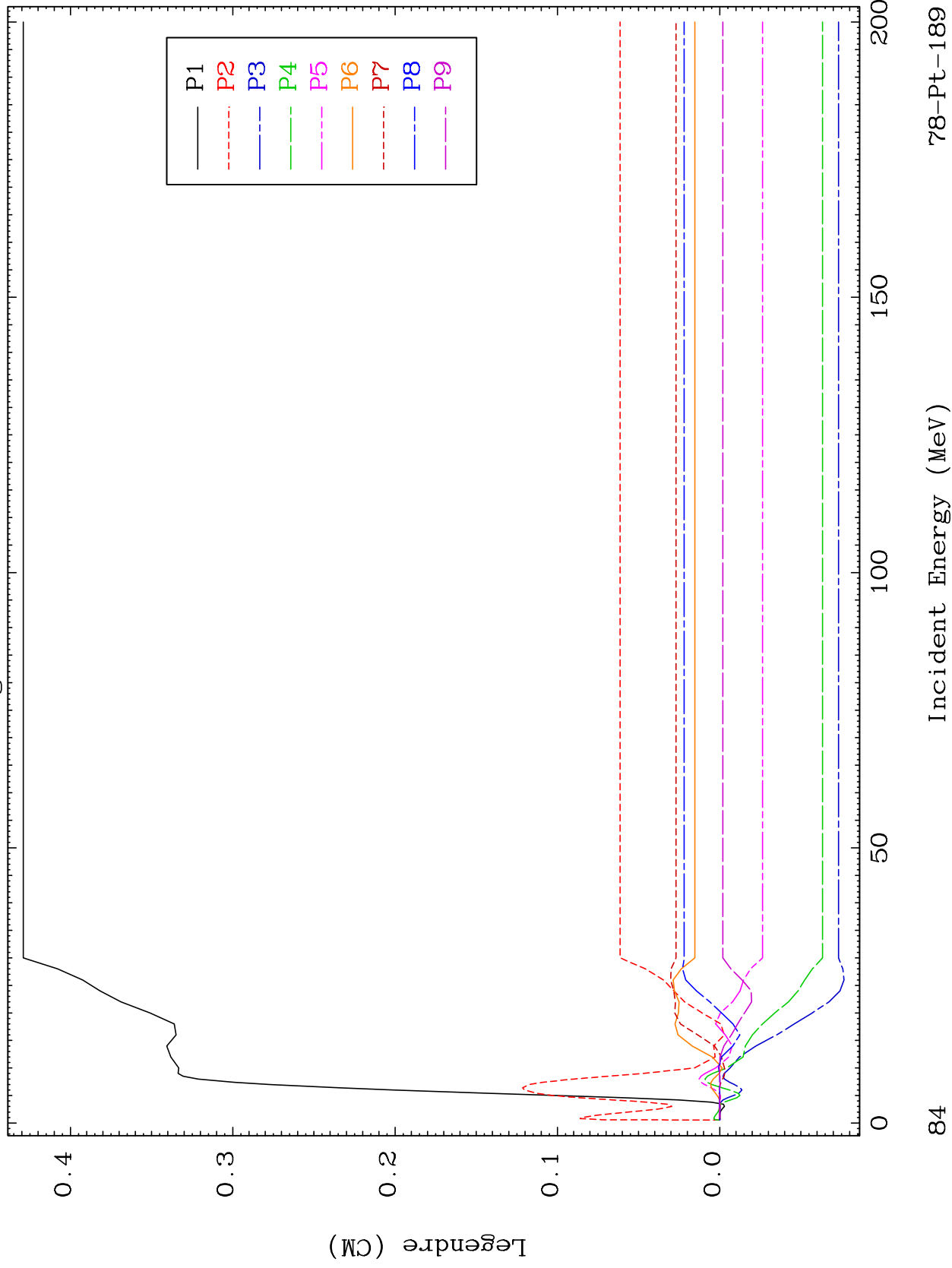




MAT 7822

532.0 keV (n,n') Level
Legendre Coefficients

78-Pt-189



78-Pt-189

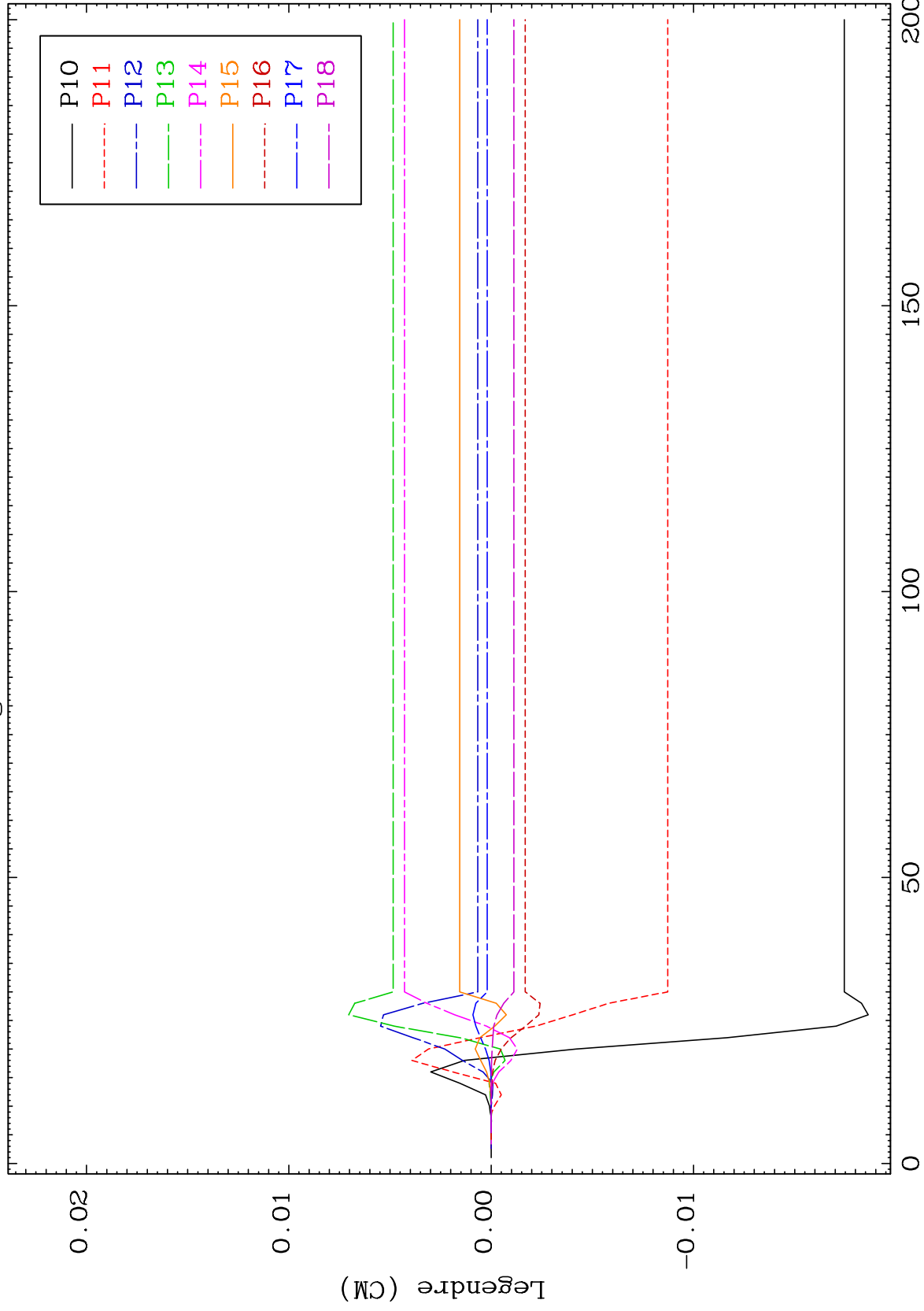
Incident Energy (MeV)

84

MAT 7822

532.0 keV (n,n') Level
Legendre Coefficients

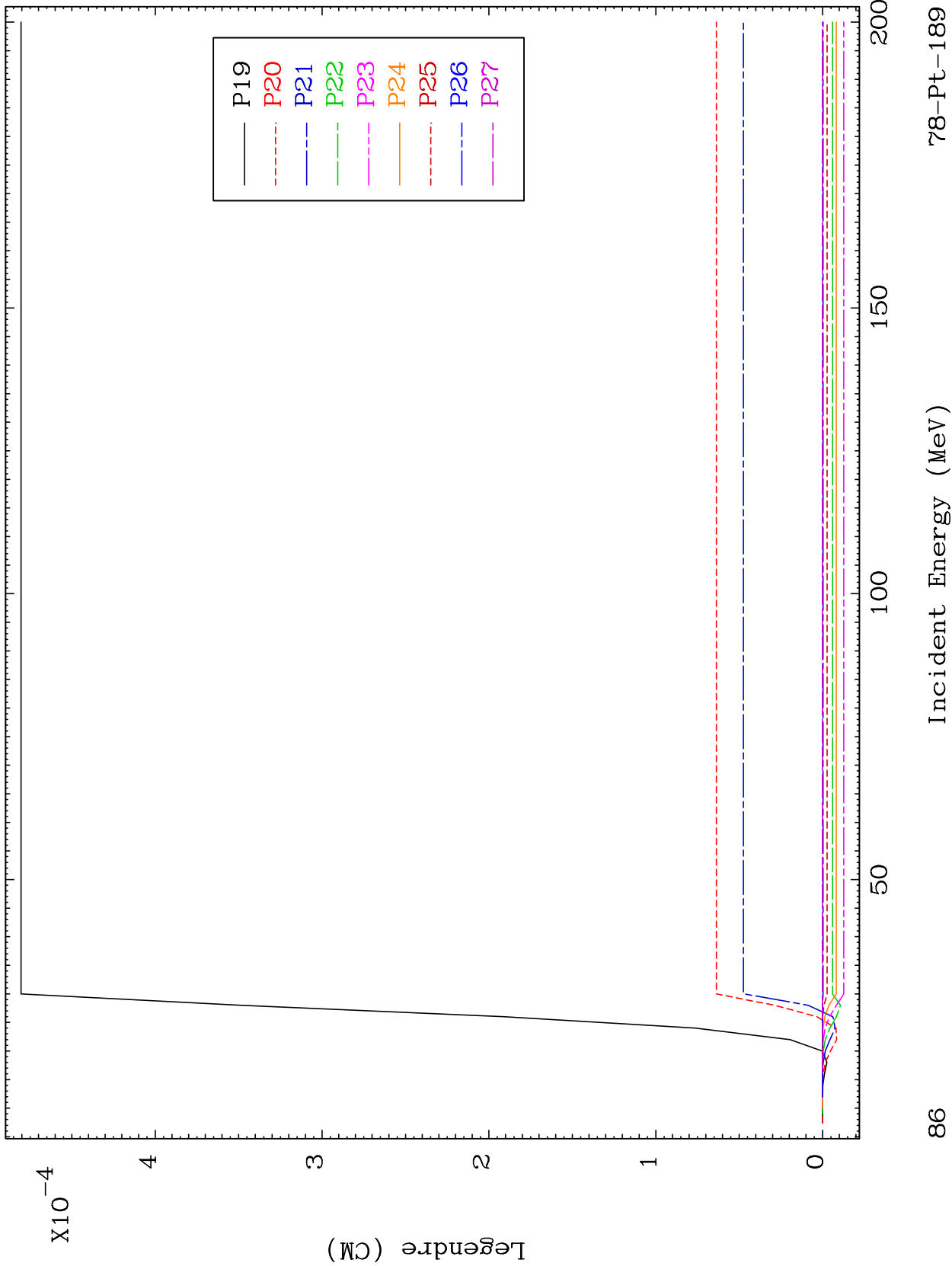
78-Pt-189



85

Incident Energy (MeV)

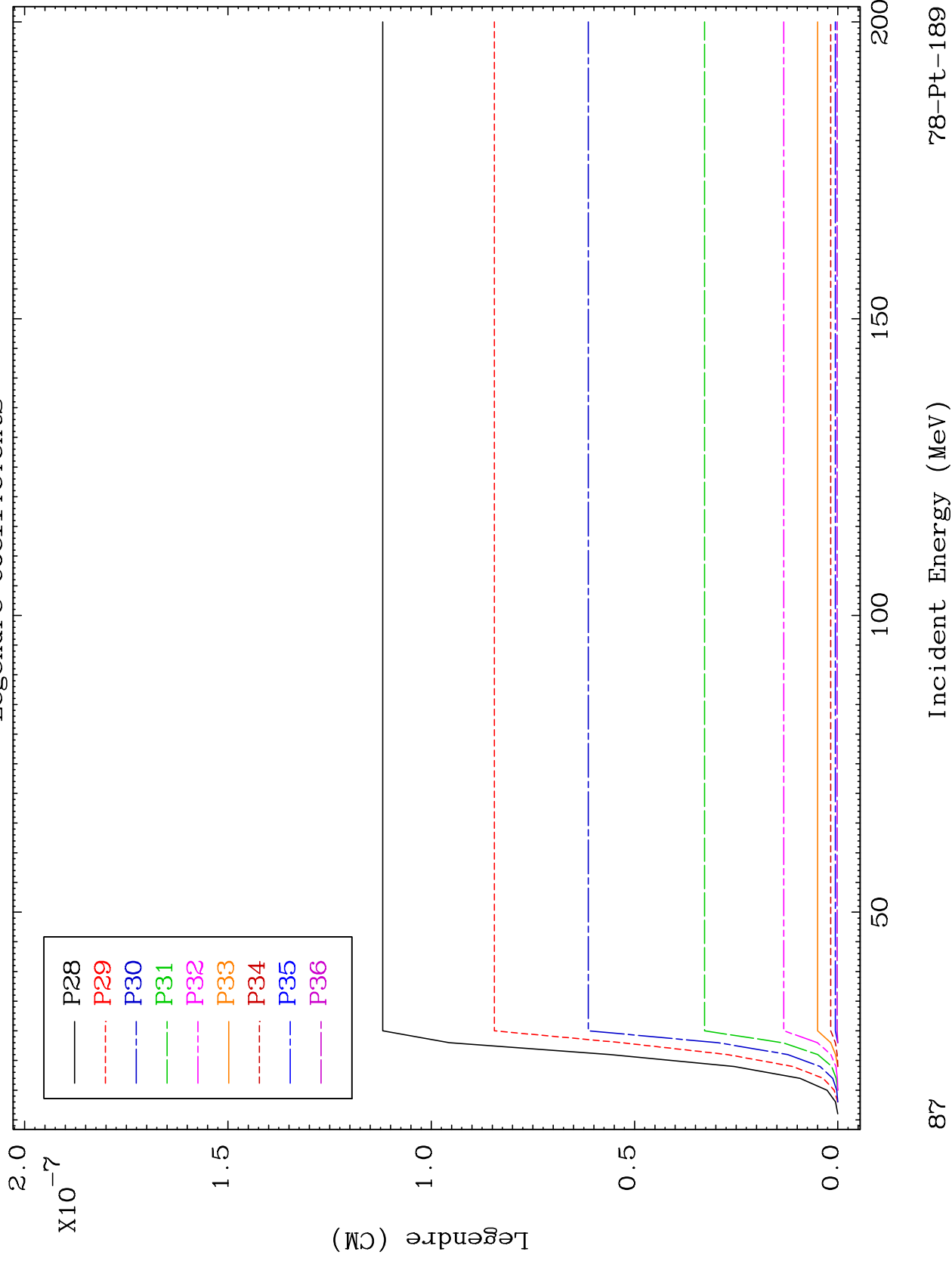
78-Pt-189



MAT 7822

532.0 keV (n,n') Level
Legendre Coefficients

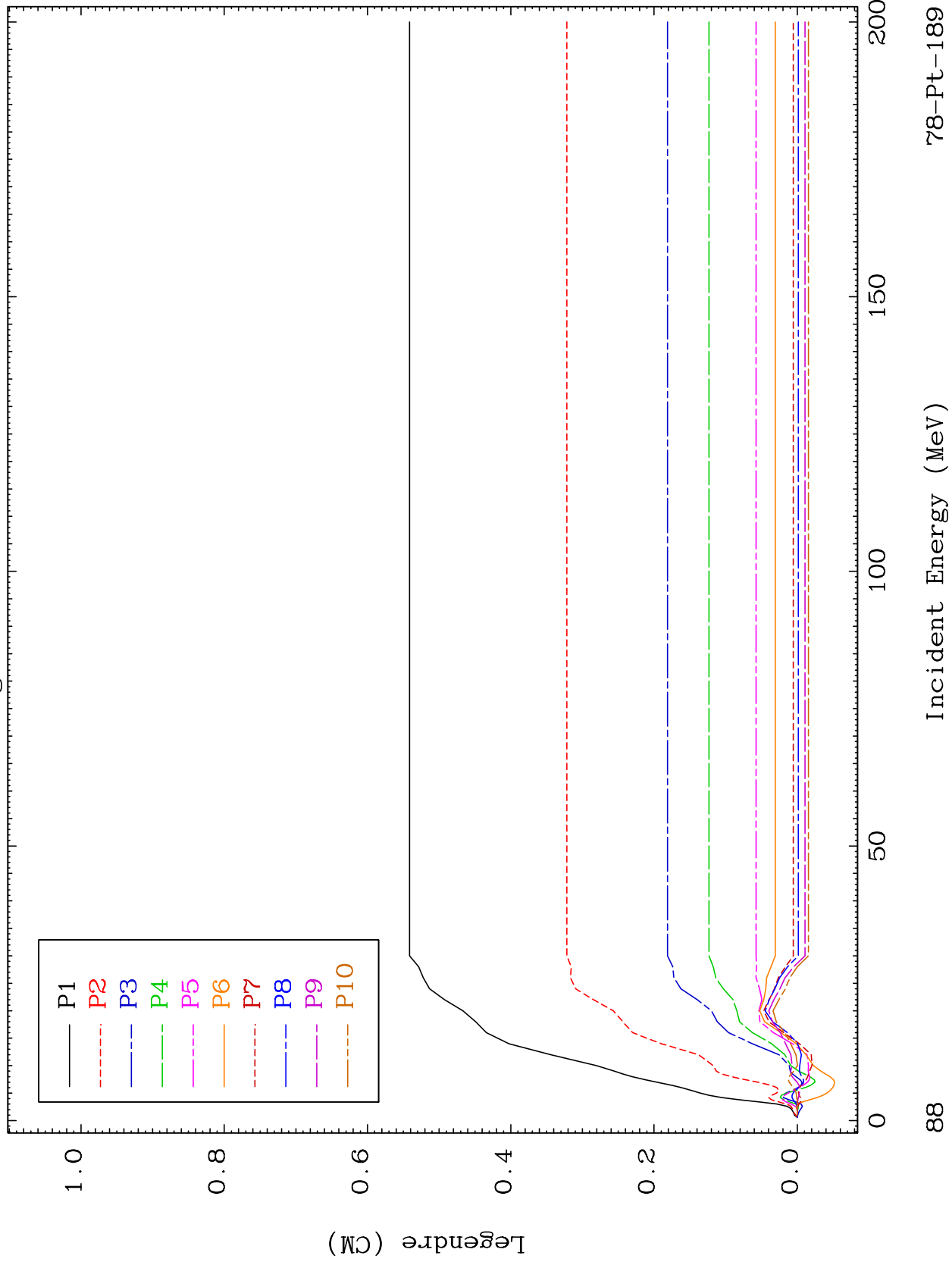
78-Pt-189

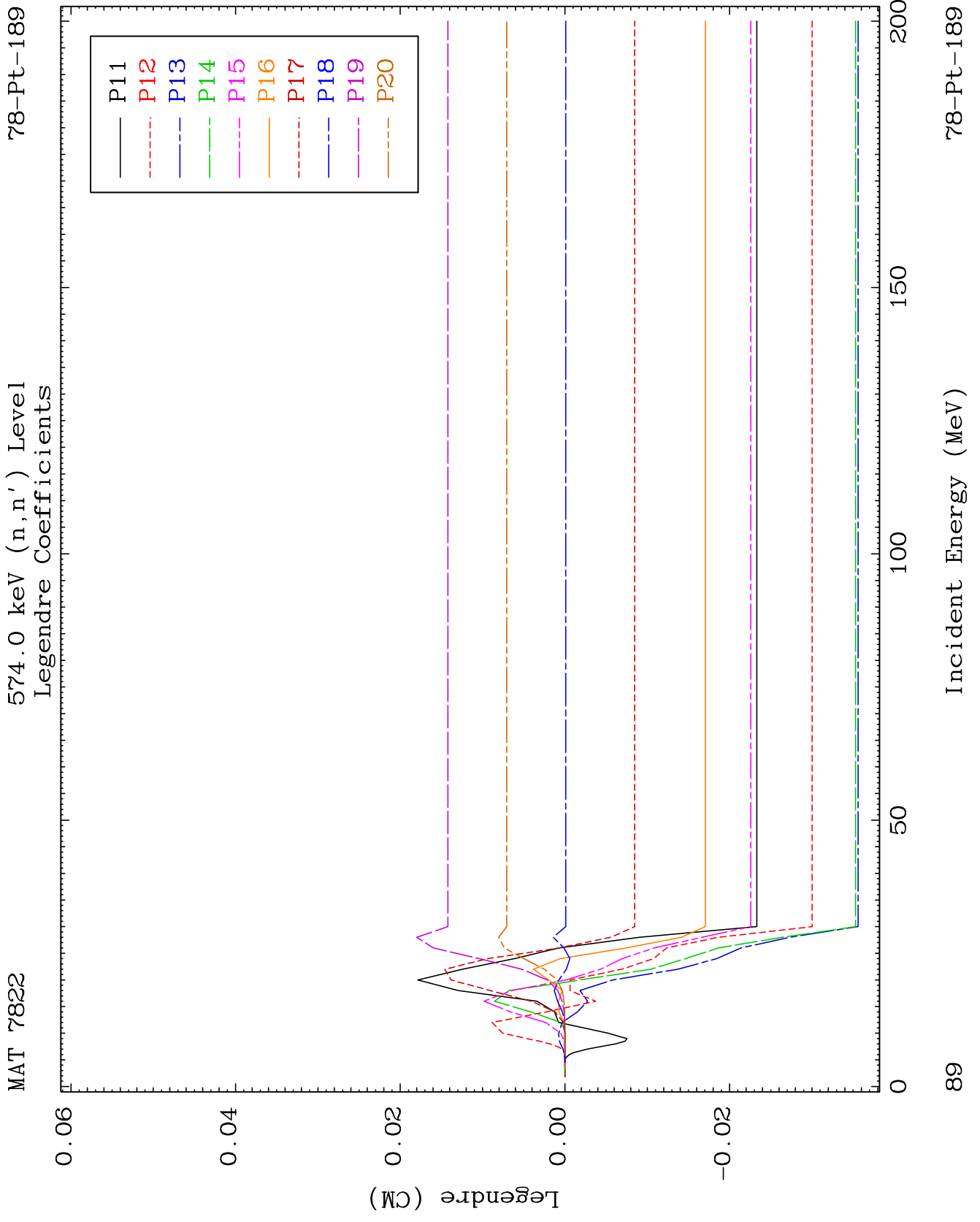


MAT 7822

574.0 keV (n,n') Level
Legendre Coefficients

78-Pt-189

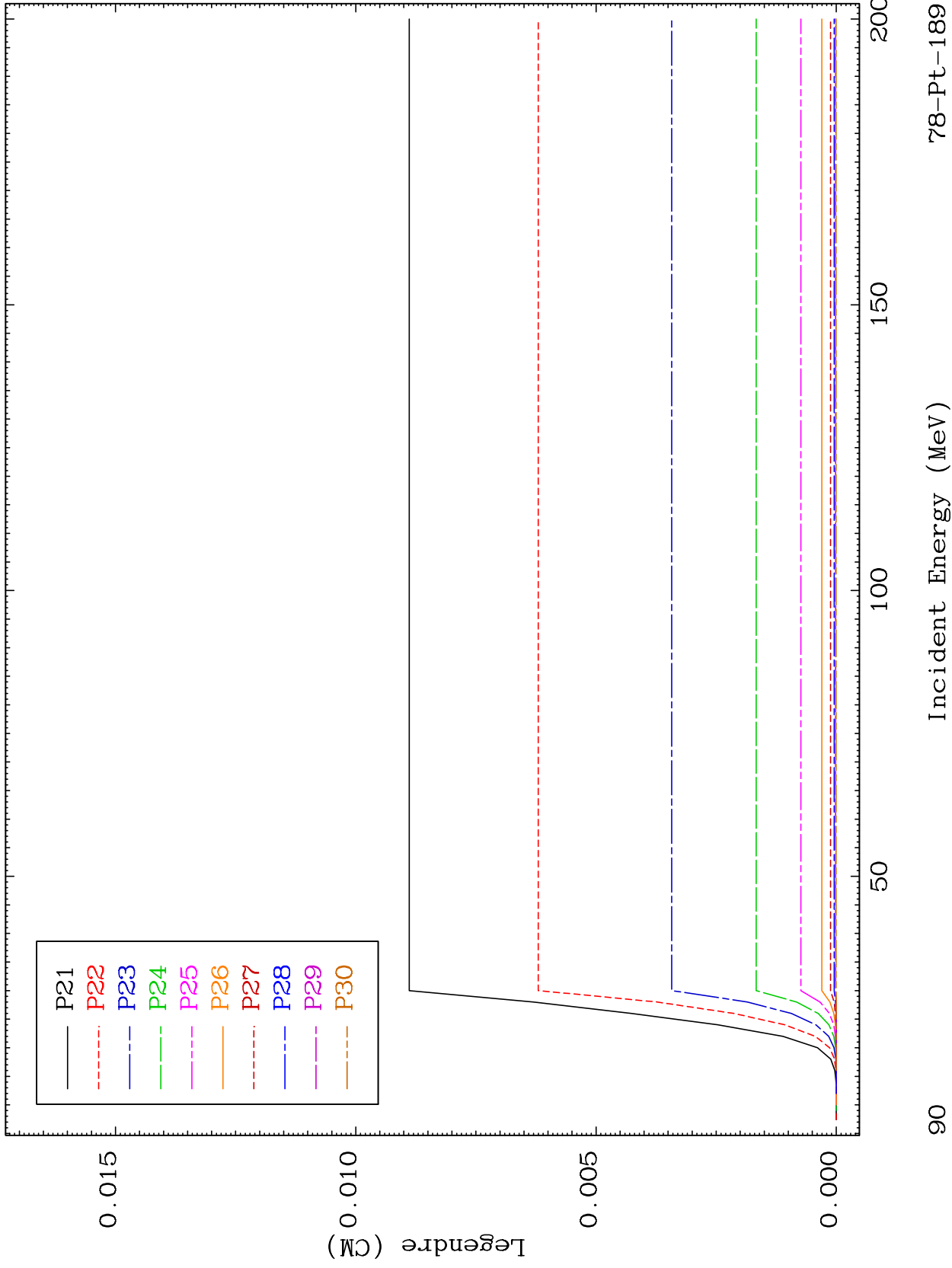




MAT 78222

574.0 keV (n,n') Level
Legendre Coefficients

78-Pt-189



90

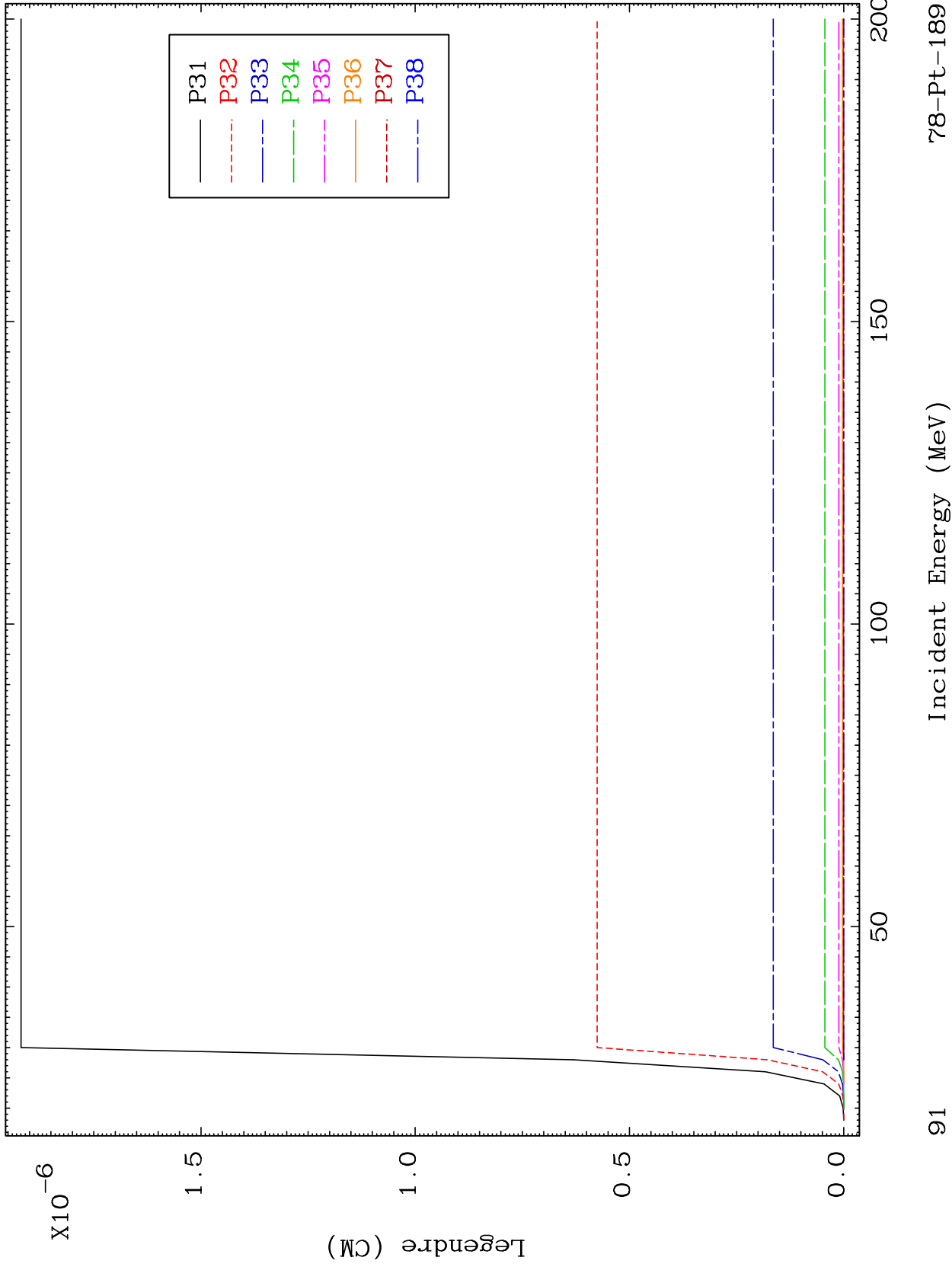
Incident Energy (MeV)

78-Pt-189

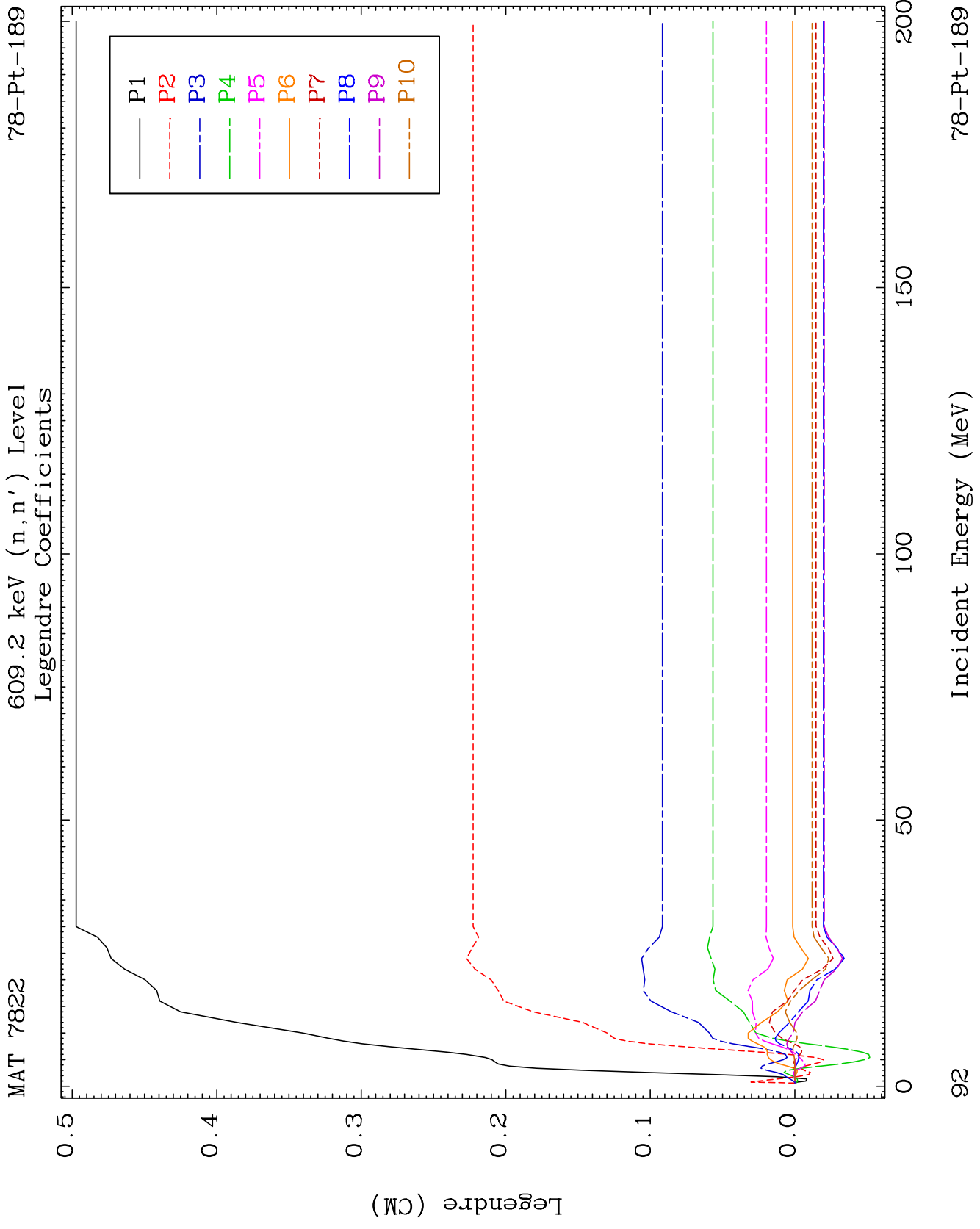
MAT 7822

574.0 keV (n,n') Level
Legendre Coefficients

78-Pt-189



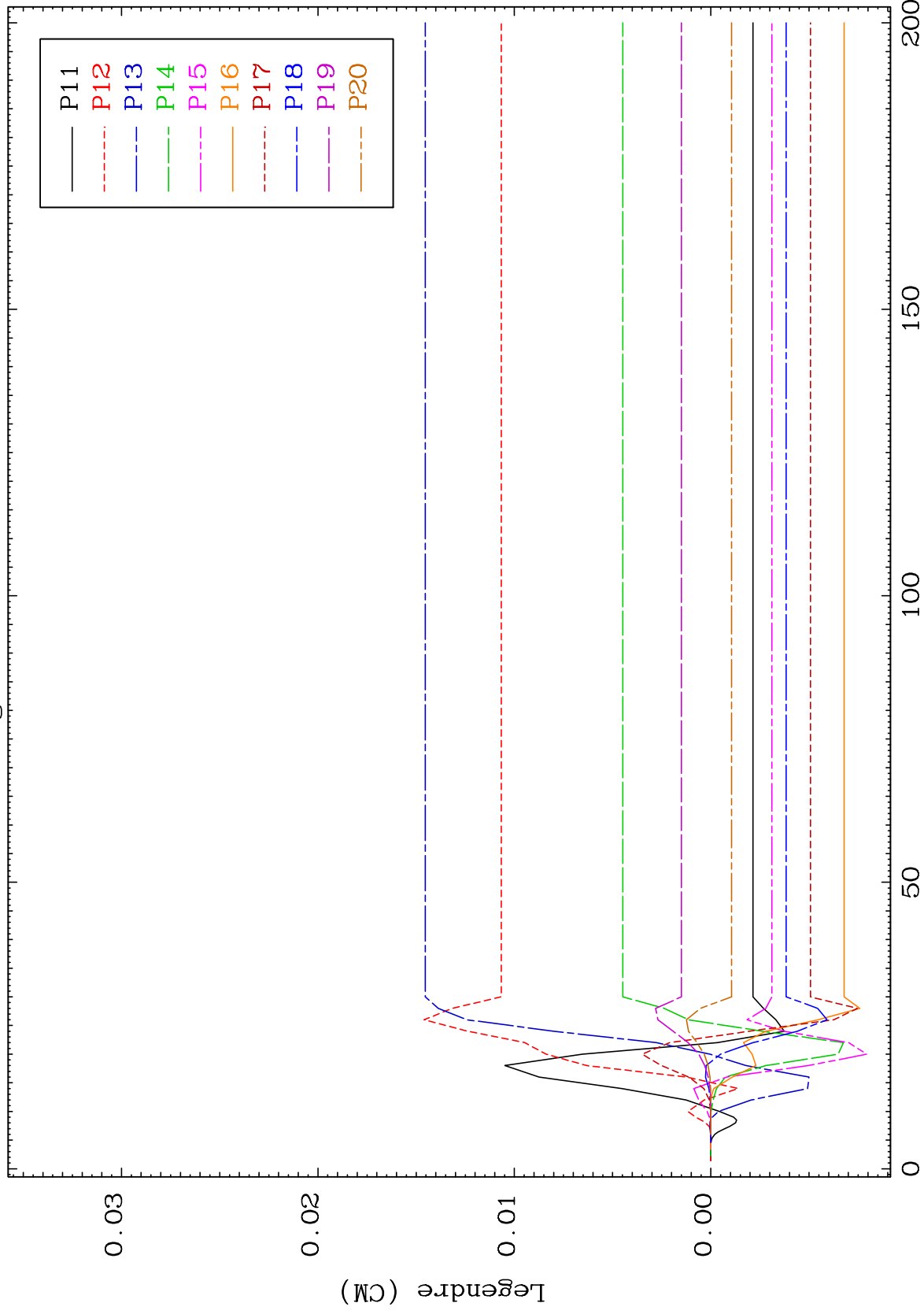
91



MAT 7822

609.2 keV (n,n') Level
Legendre Coefficients

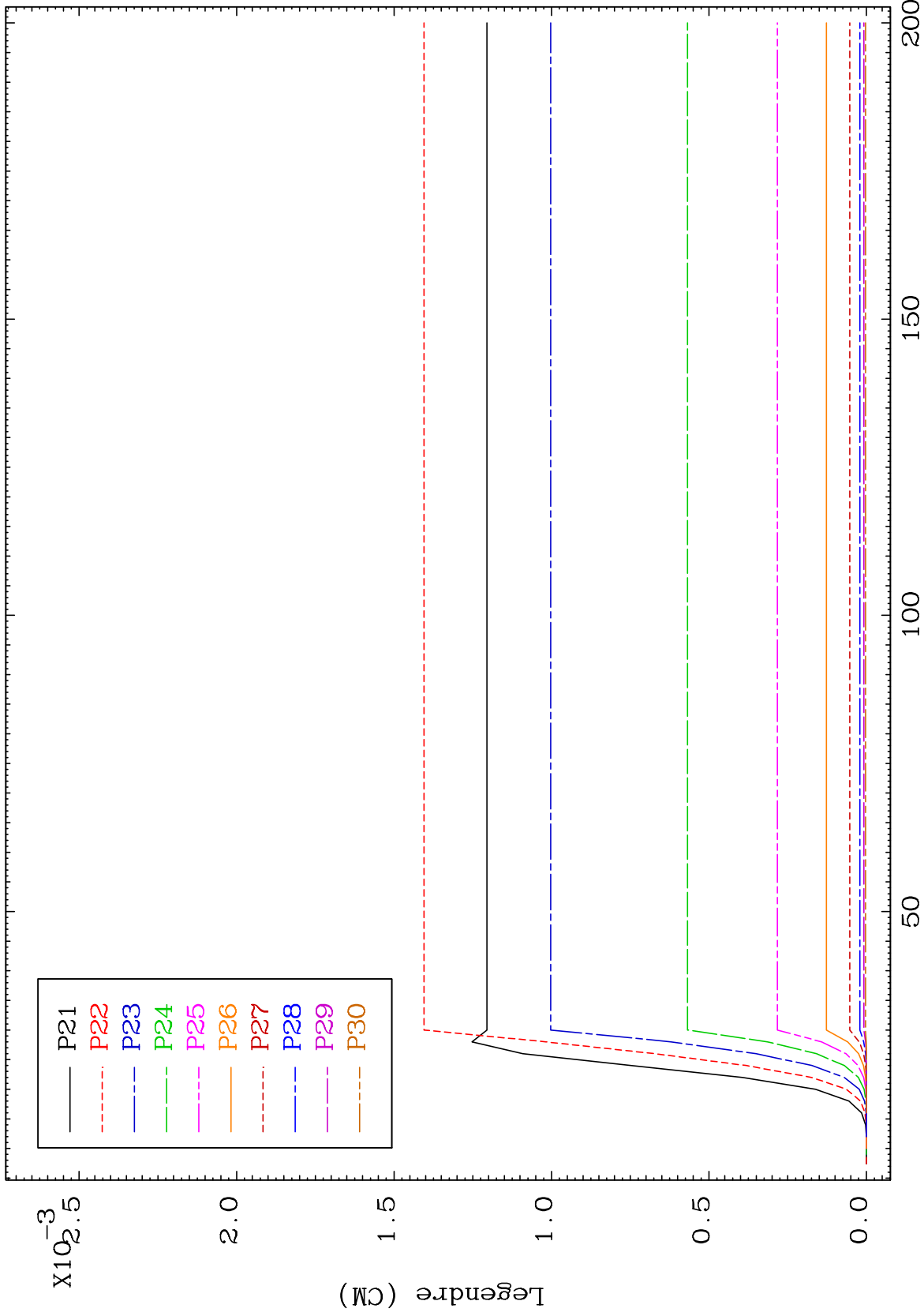
78-Pt-189



93

Incident Energy (MeV)

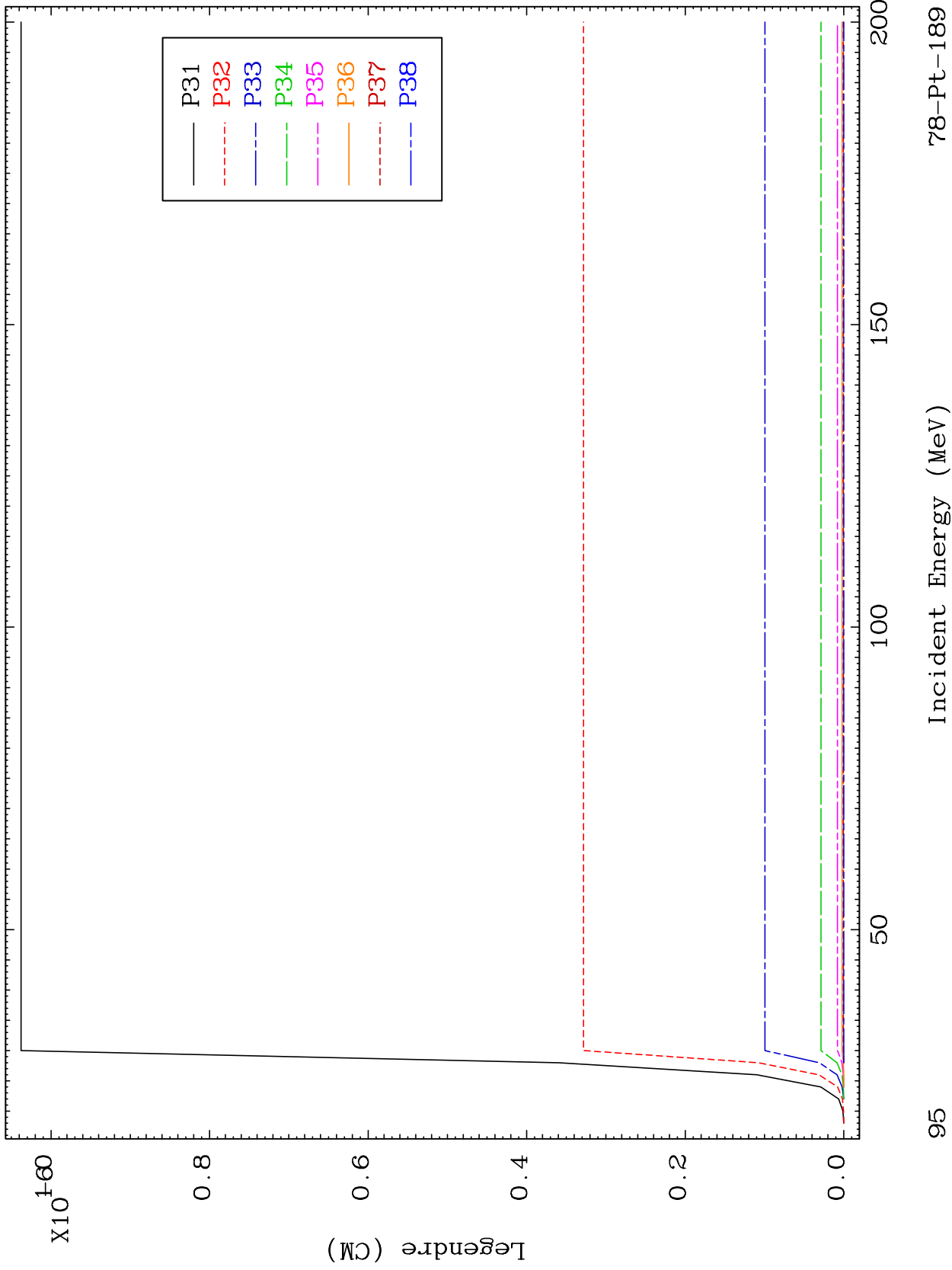
78-Pt-189



MAT 7822

609.2 keV (n,n') Level
Legendre Coefficients

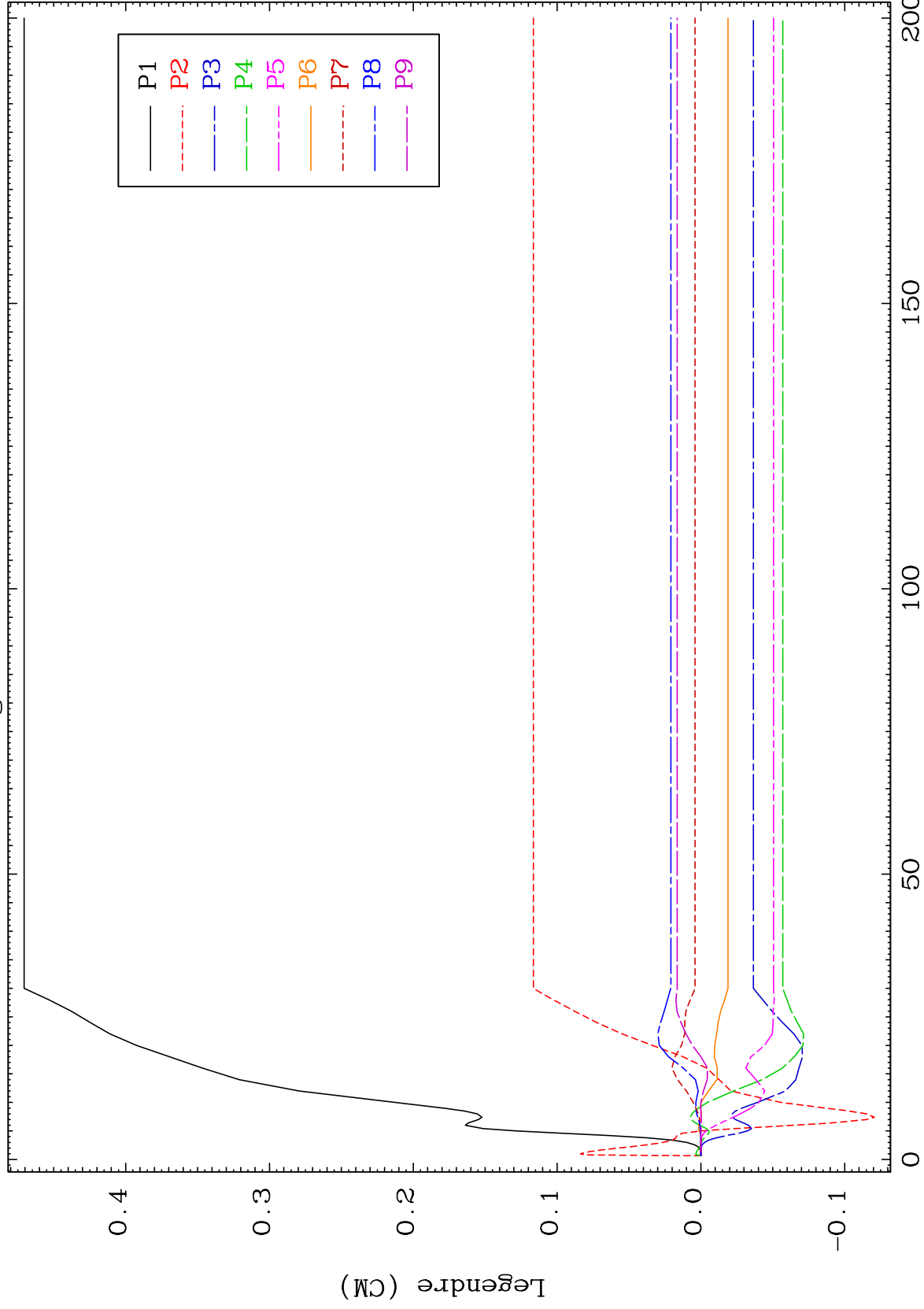
78-Pt-189



MAT 7822

654.1 keV (n,n') Level
Legendre Coefficients

78-Pt-189



96

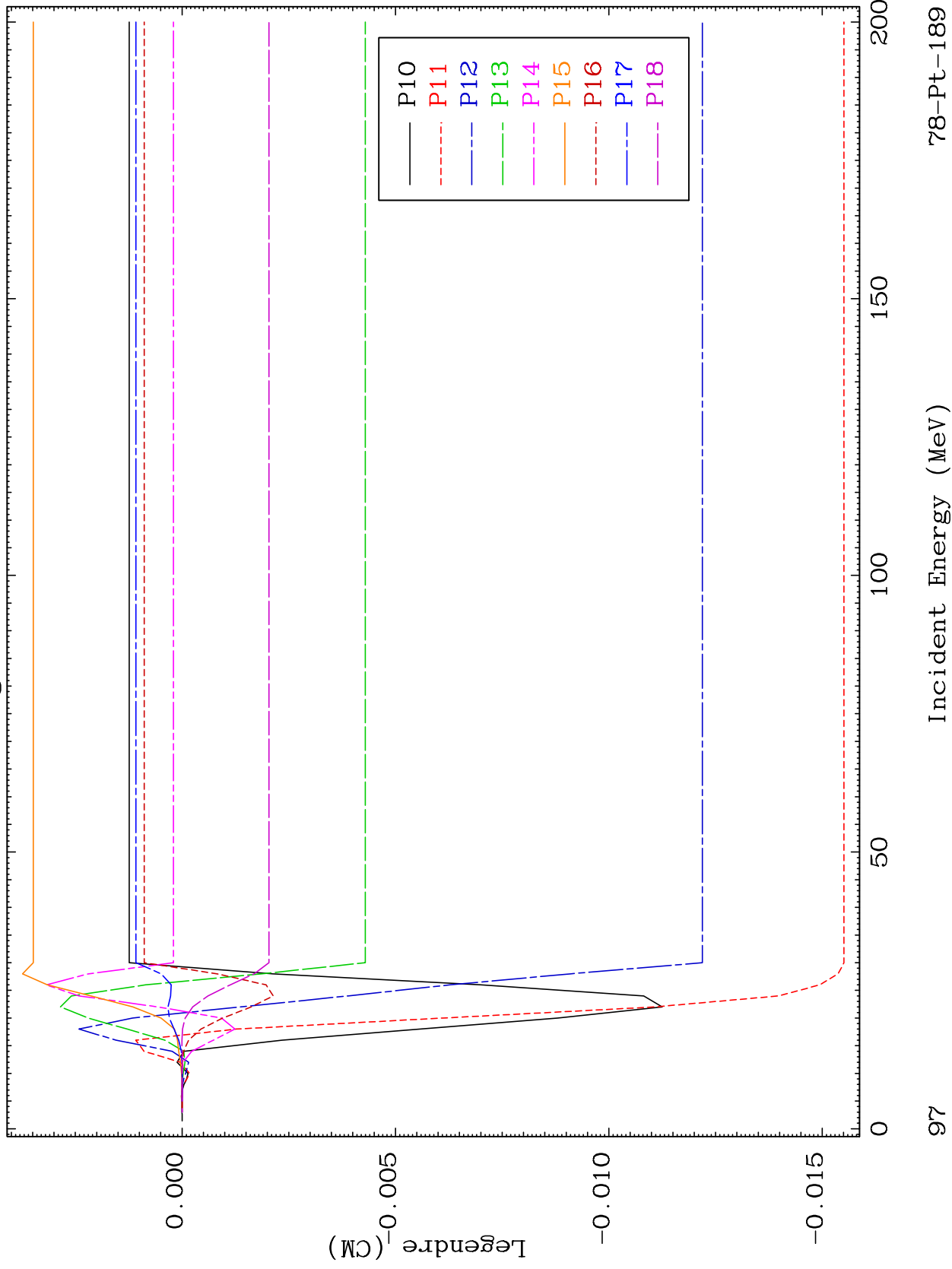
Incident Energy (MeV)

78-Pt-189

MAT 7822

654.1 keV (n,n') Level
Legendre Coefficients

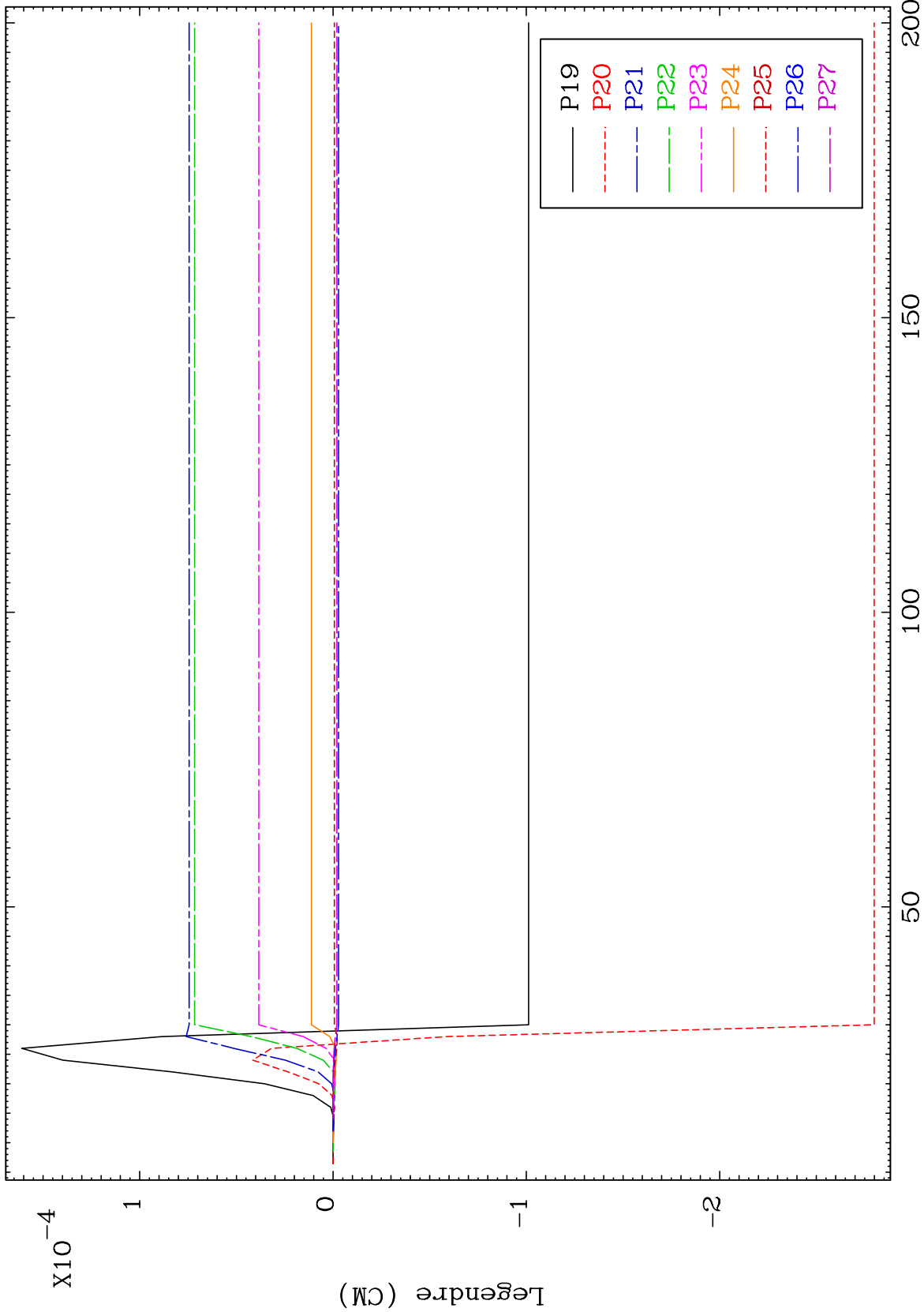
78-Pt-189

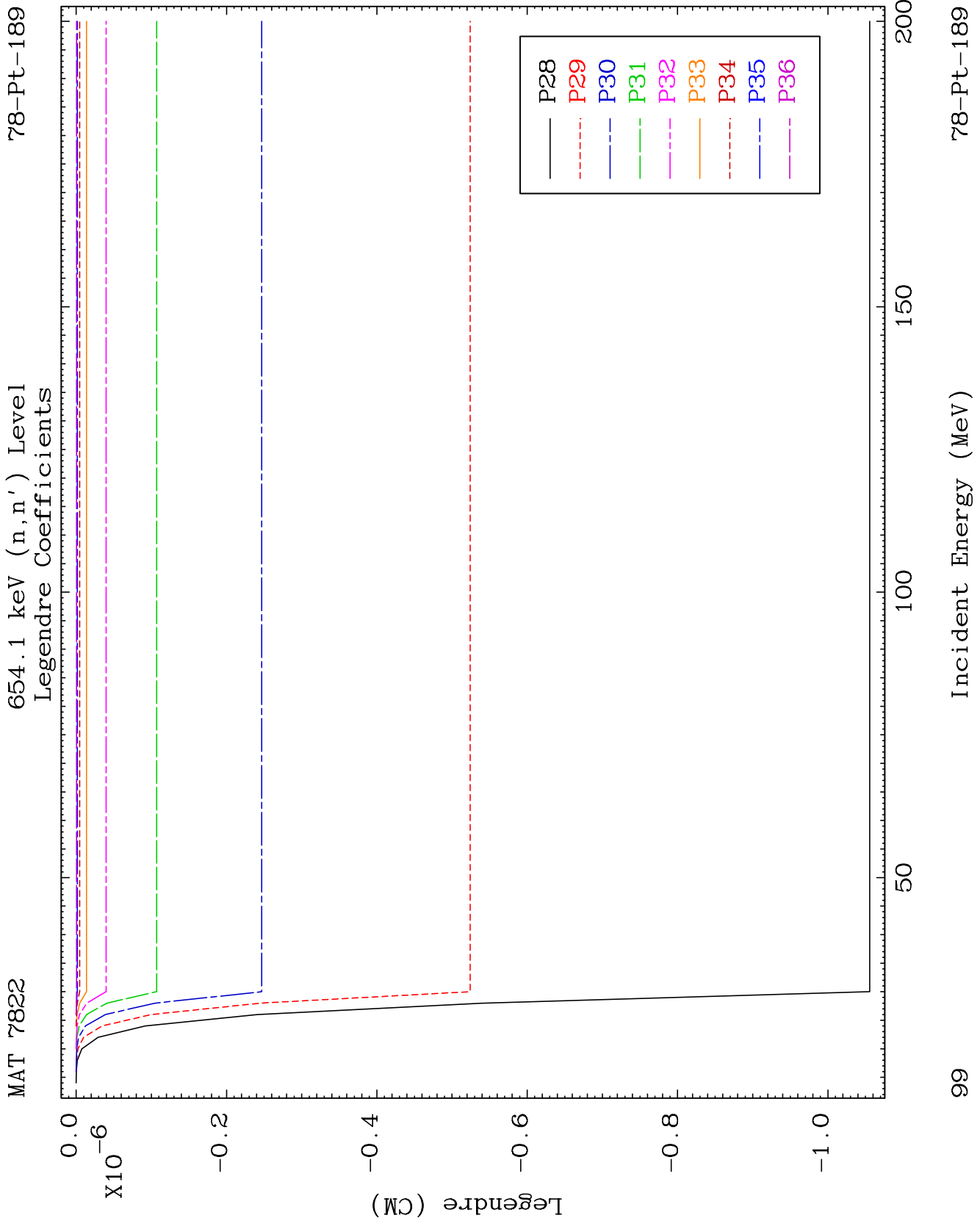


97

Incident Energy (MeV)

78-Pt-189

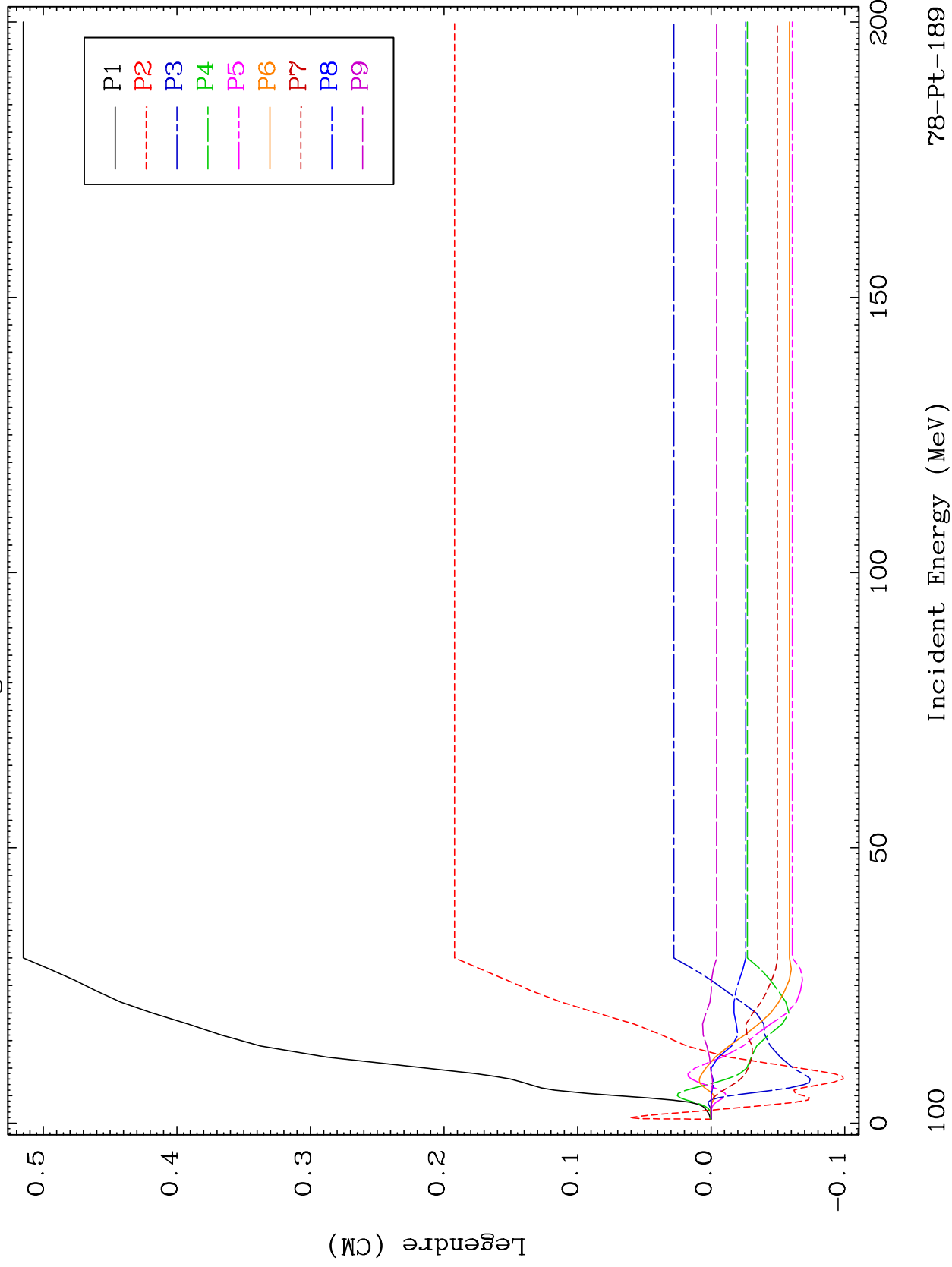




MAT 7822

712.6 keV (n,n') Level
Legendre Coefficients

78-Pt-189

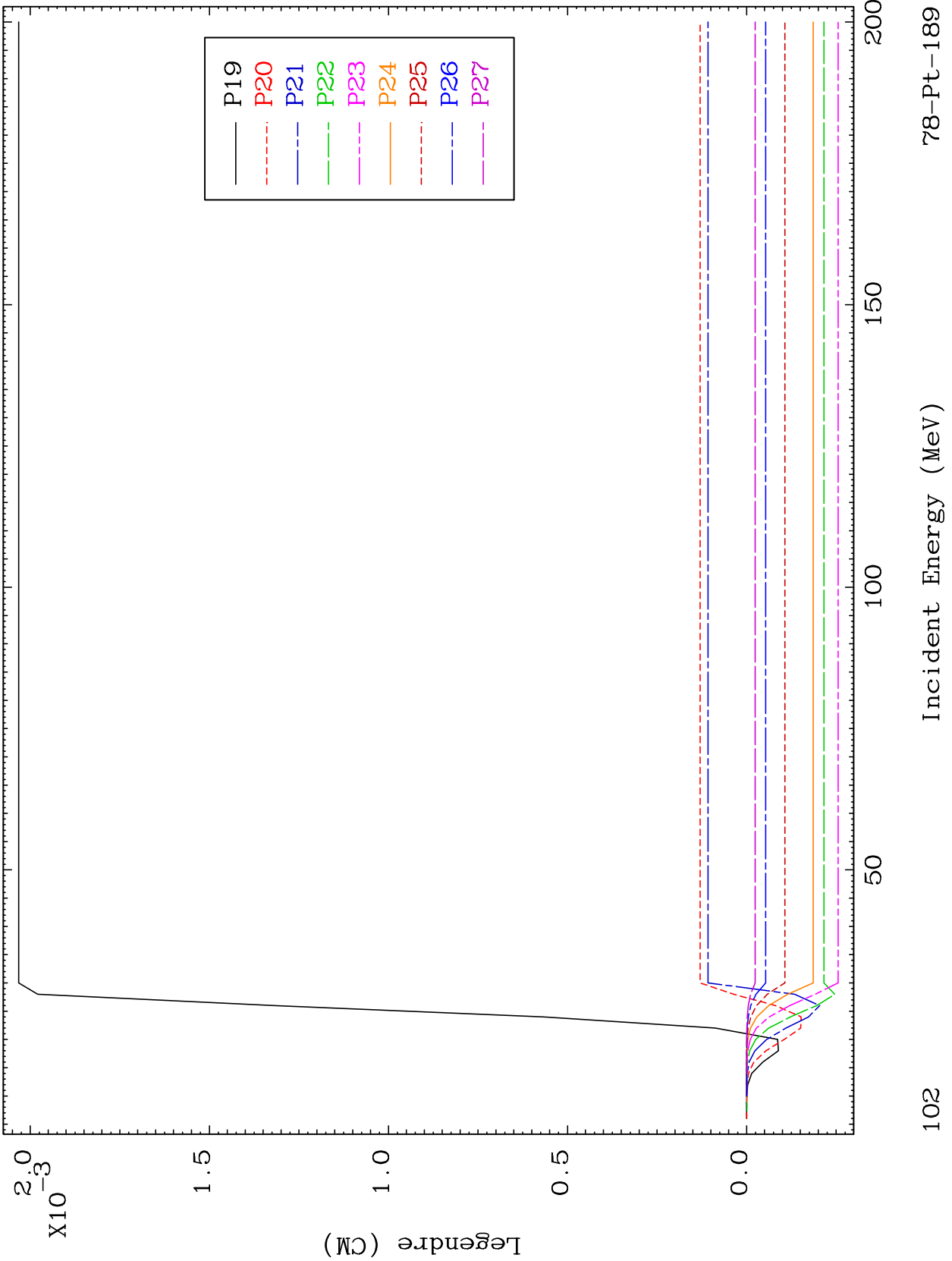


78-Pt-189

MAT 7822

712.6 keV (n,n') Level
Legendre Coefficients

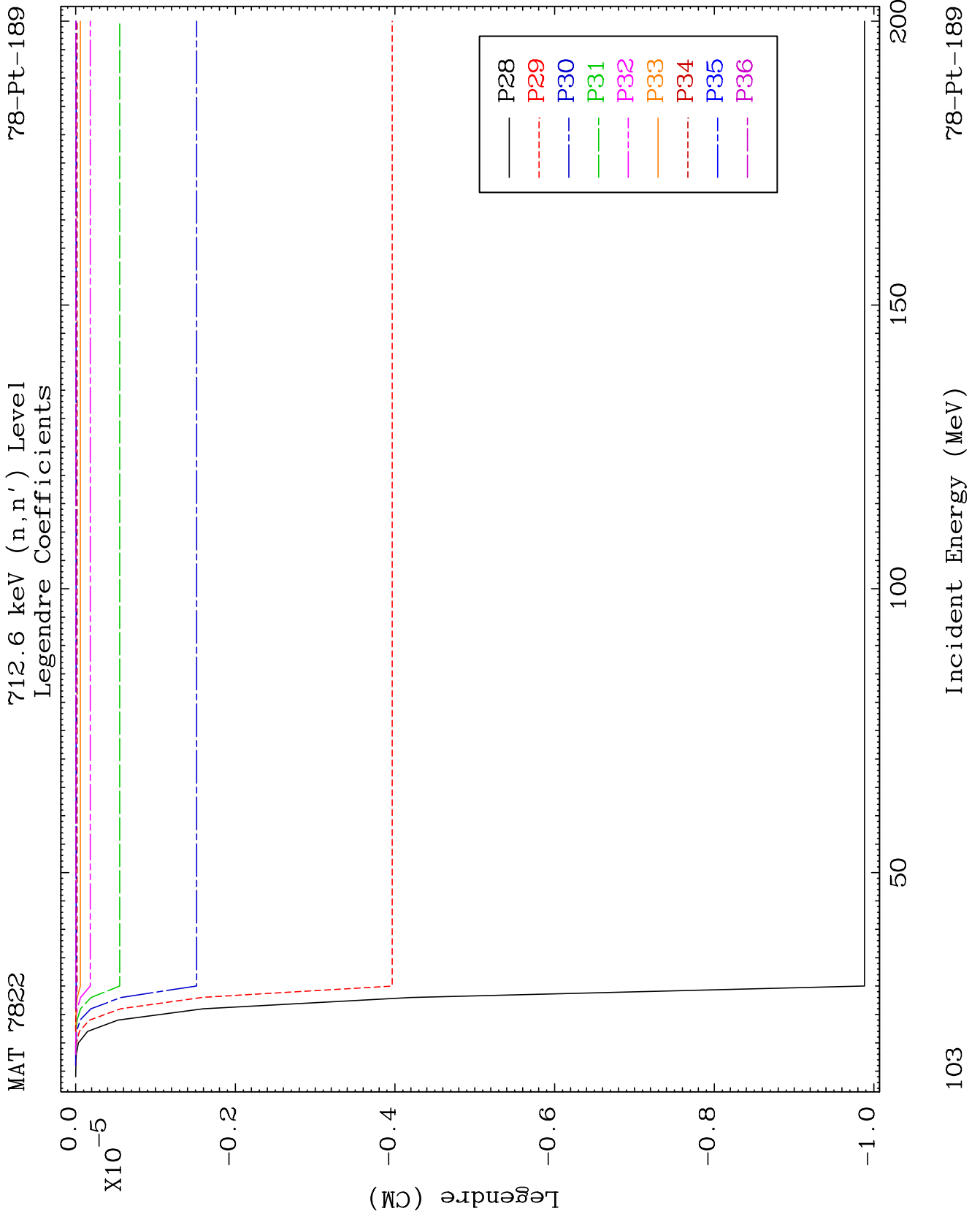
78-Pt-189



78-Pt-189

Incident Energy (MeV)

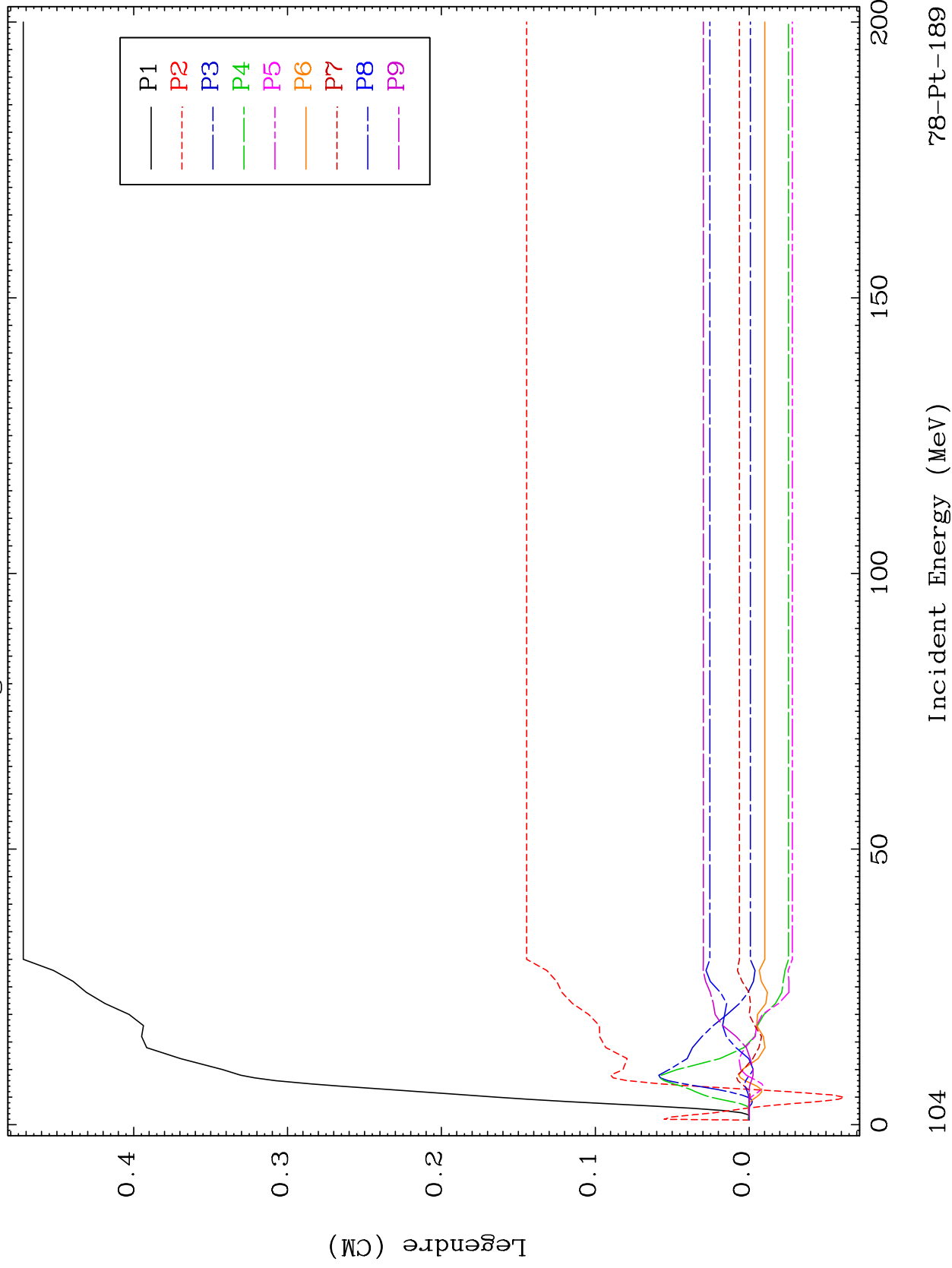
102



MAT 7822

843.7 keV (n,n') Level
Legendre Coefficients

78-Pt-189

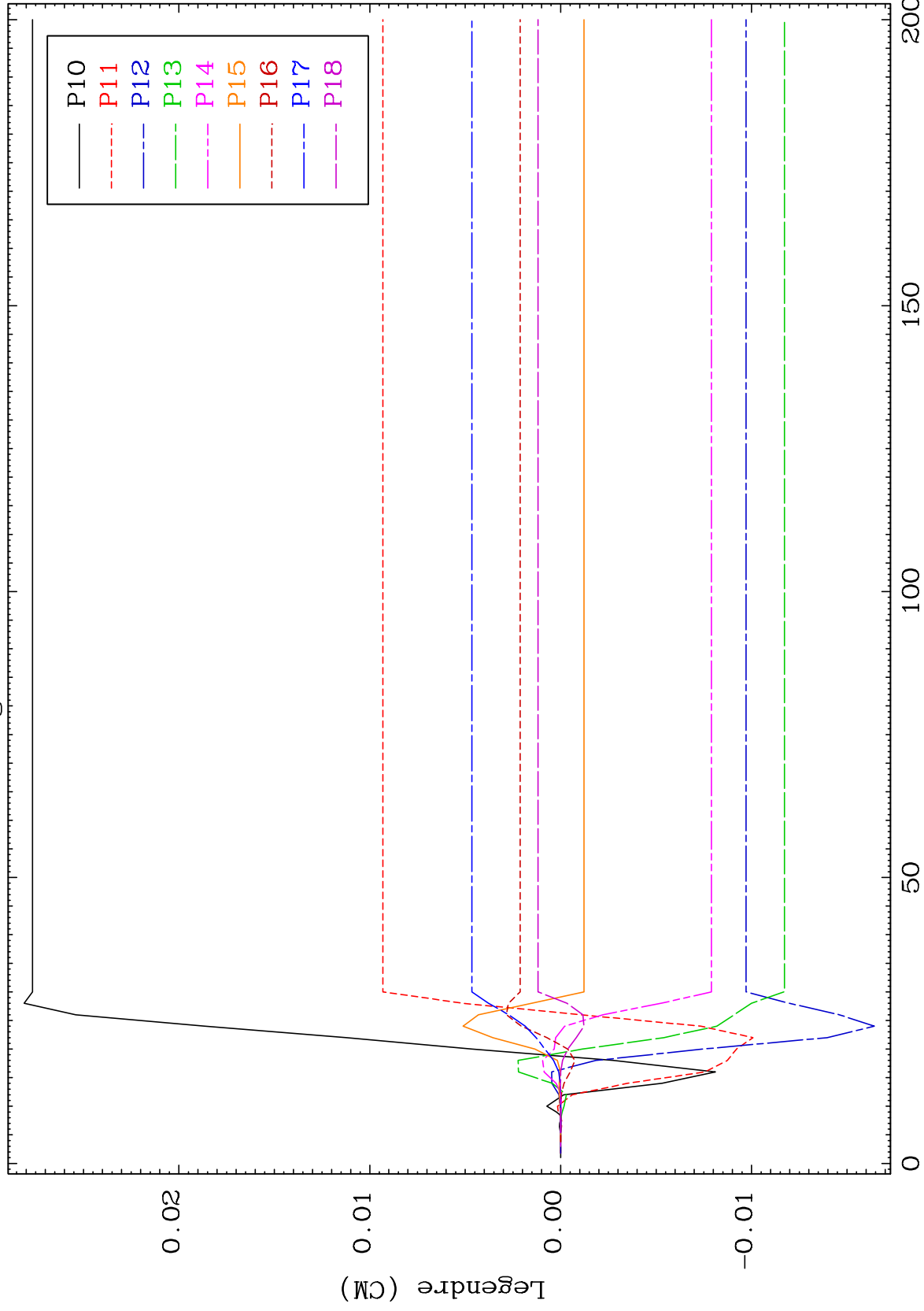


78-Pt-189

MAT 7822

843.7 keV (n,n') Level
Legendre Coefficients

78-Pt-189



0

50

100

150

200

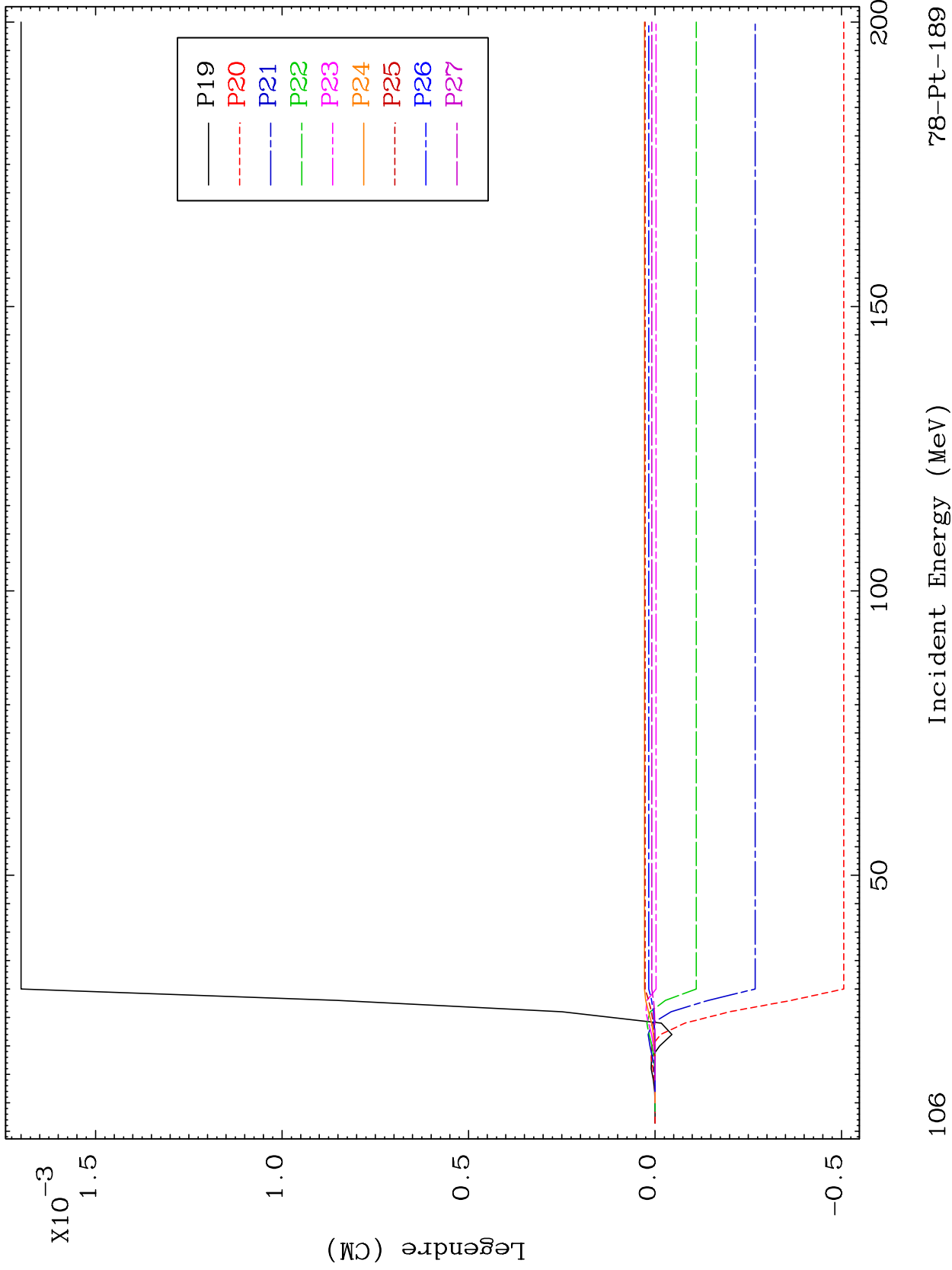
Incident Energy (MeV)

78-Pt-189

MAT 7822

843.7 keV (n,n') Level
Legendre Coefficients

78-Pt-189



106

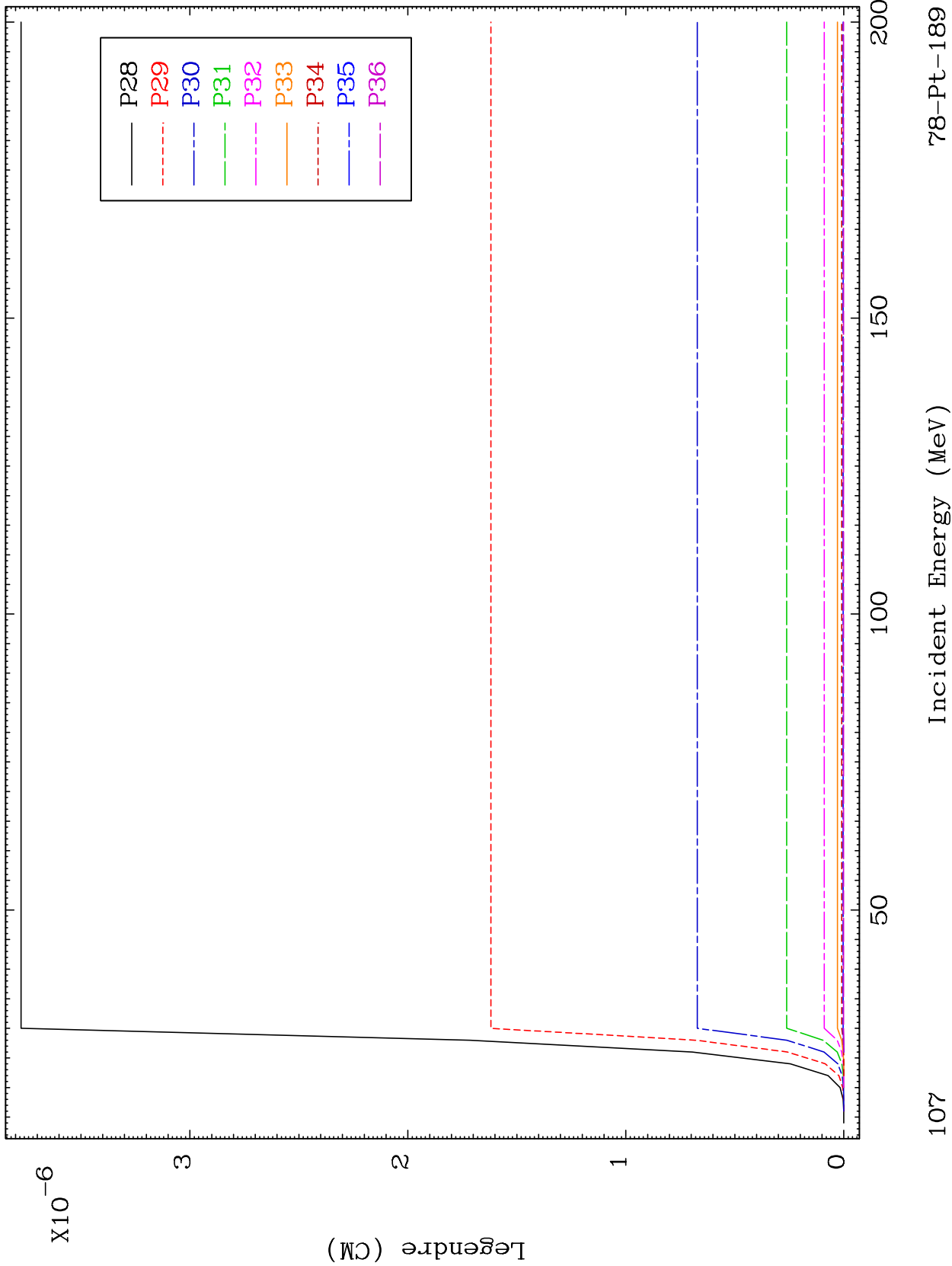
Incident Energy (MeV)

78-Pt-189

MAT 7822

843.7 keV (n,n') Level
Legendre Coefficients

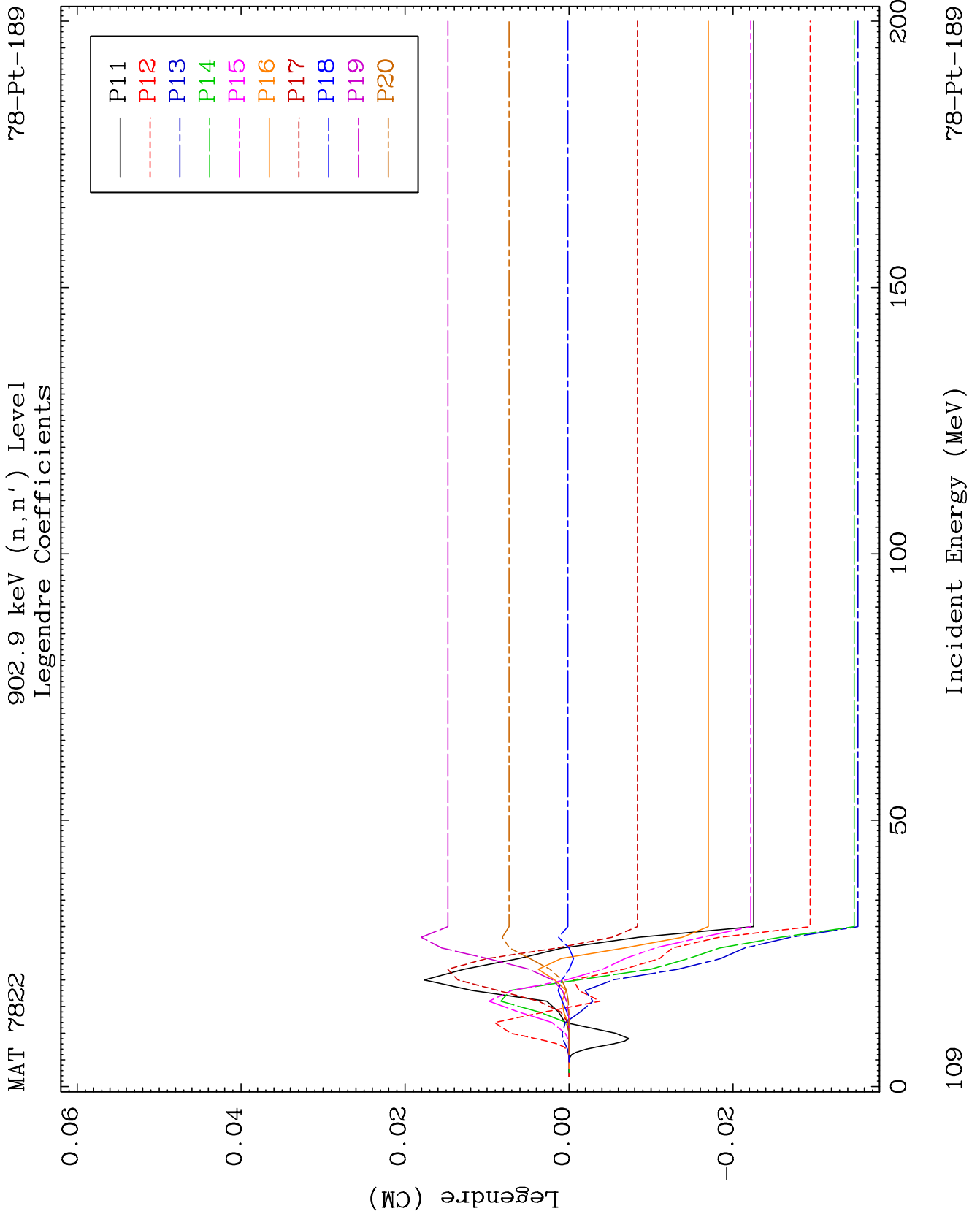
78-Pt-189



107

Incident Energy (MeV)

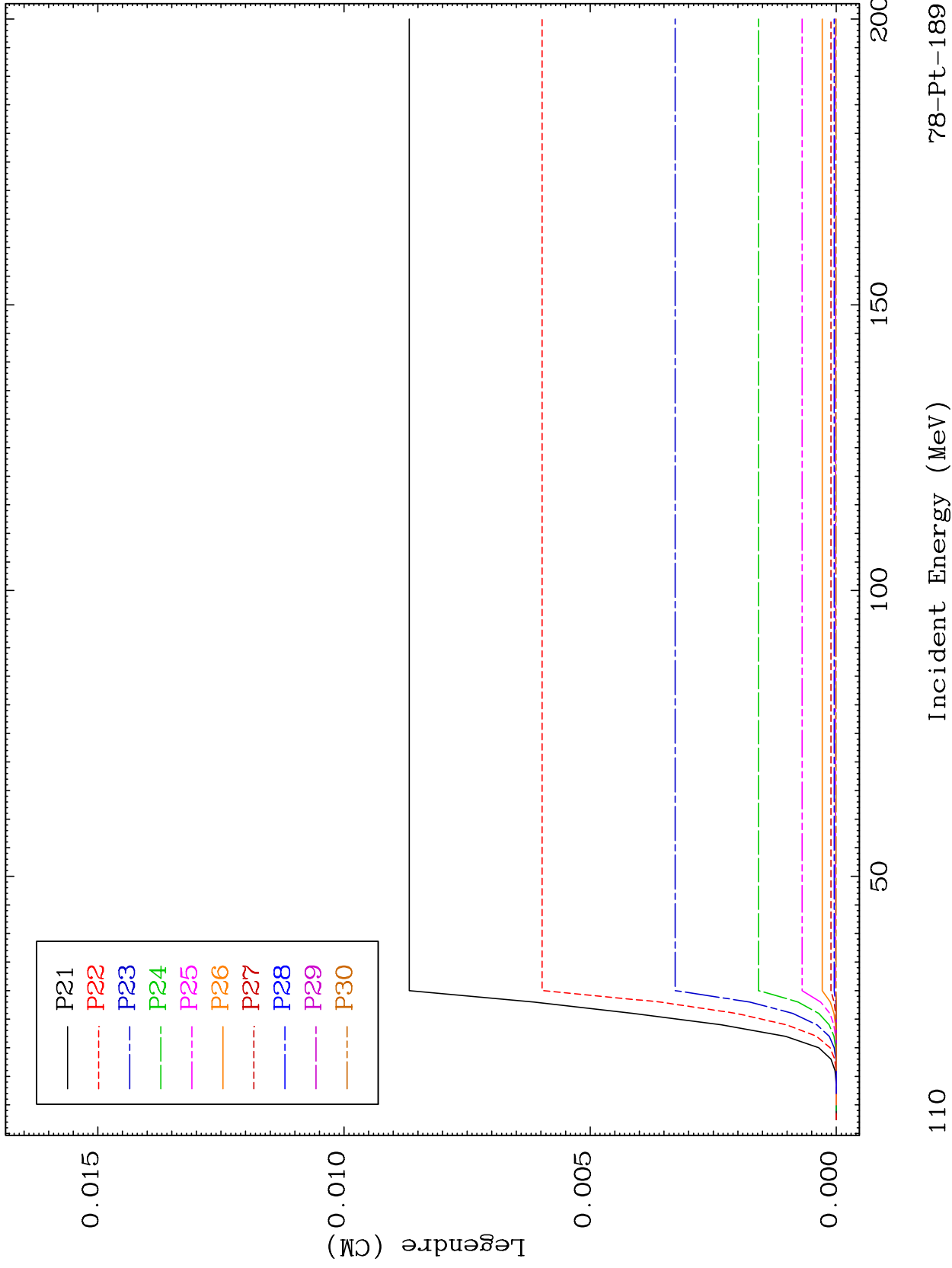
78-Pt-189



MAT 78222

902.9 keV (n,n') Level
Legendre Coefficients

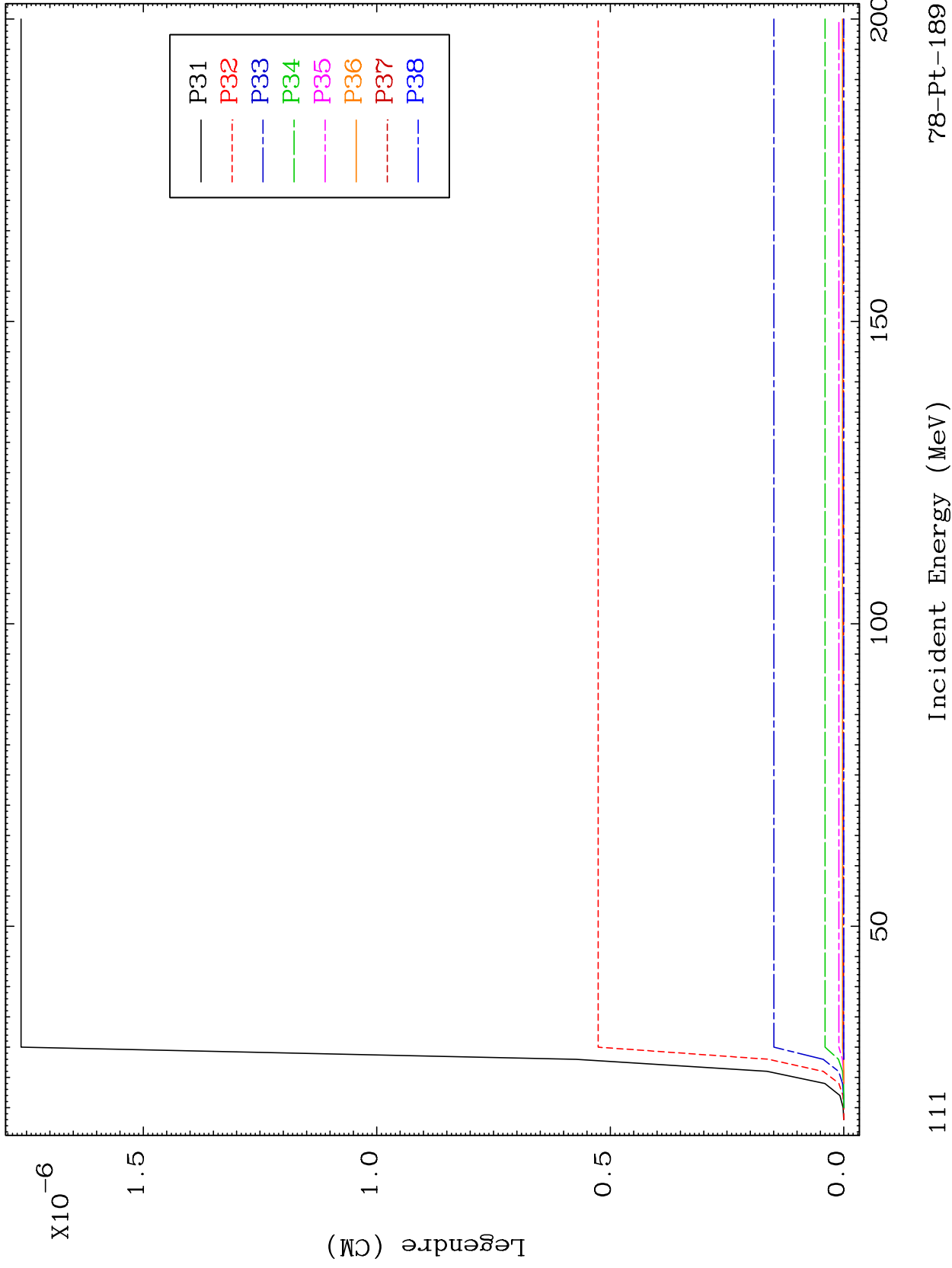
78-Pt-189



110

Incident Energy (MeV)

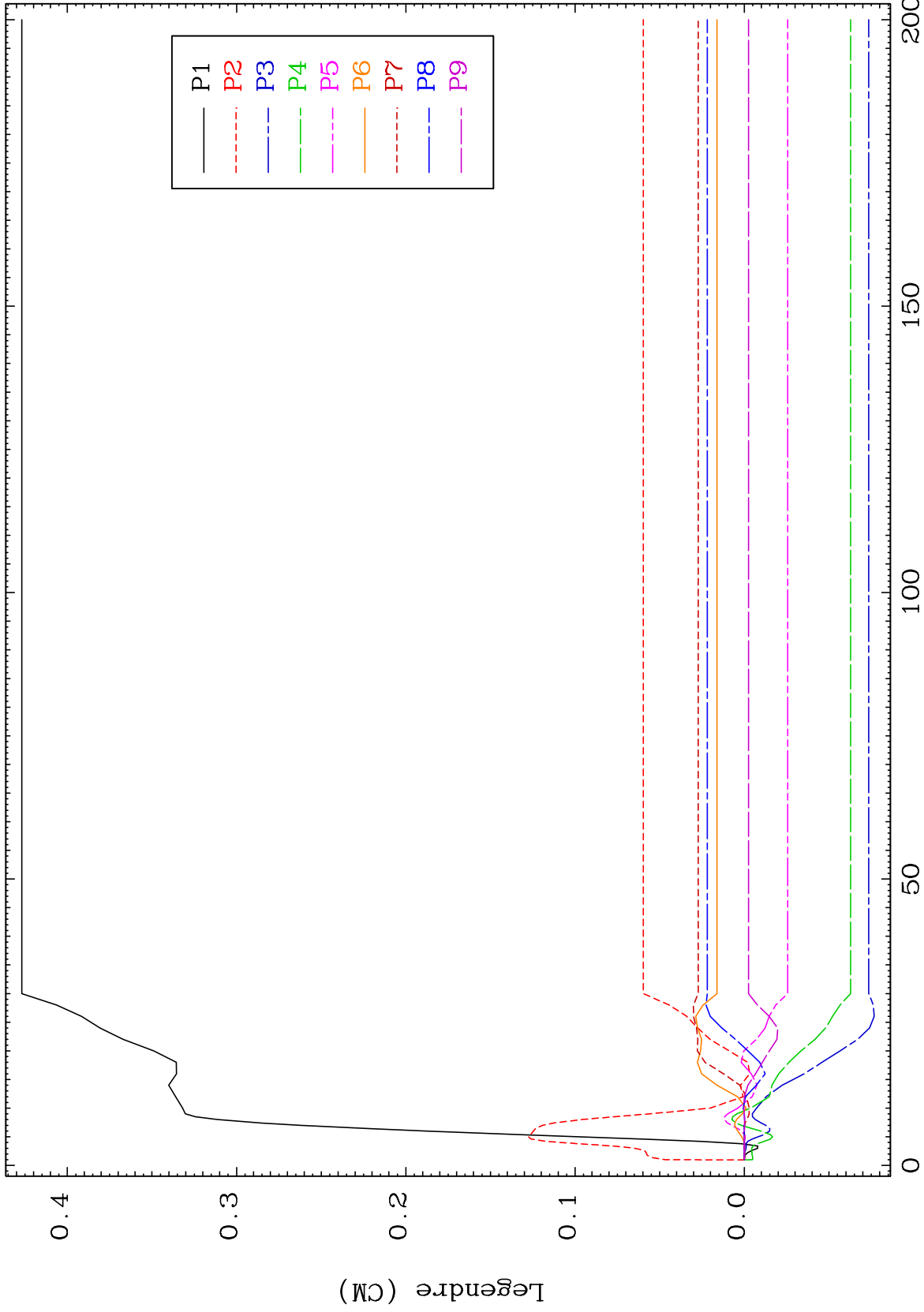
78-Pt-189



MAT 7822

944.8 keV (n,n') Level
Legendre Coefficients

78-Pt-189



112

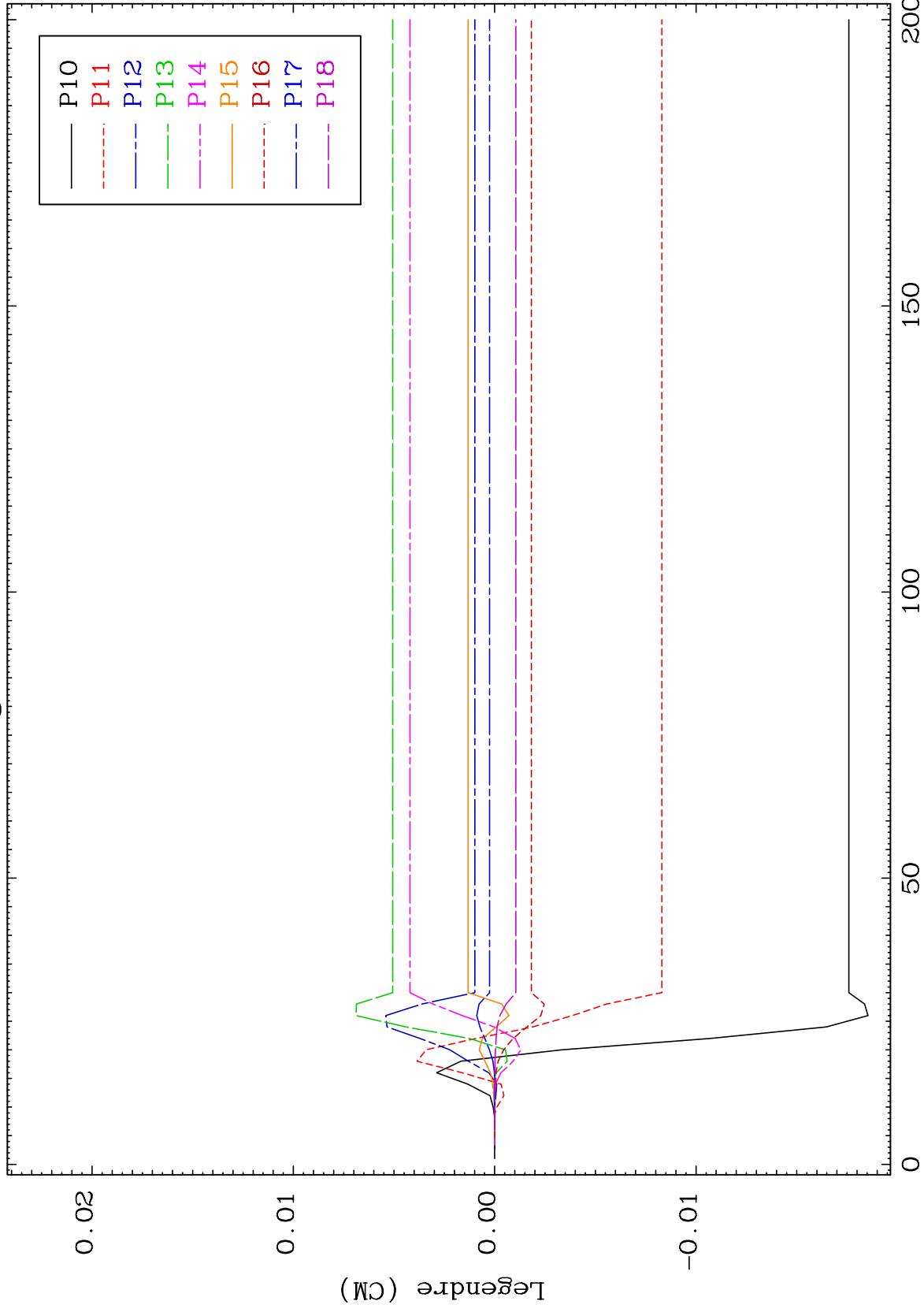
Incident Energy (MeV)

78-Pt-189

MAT 7822

944.8 keV (n,n') Level
Legendre Coefficients

78-Pt-189



113

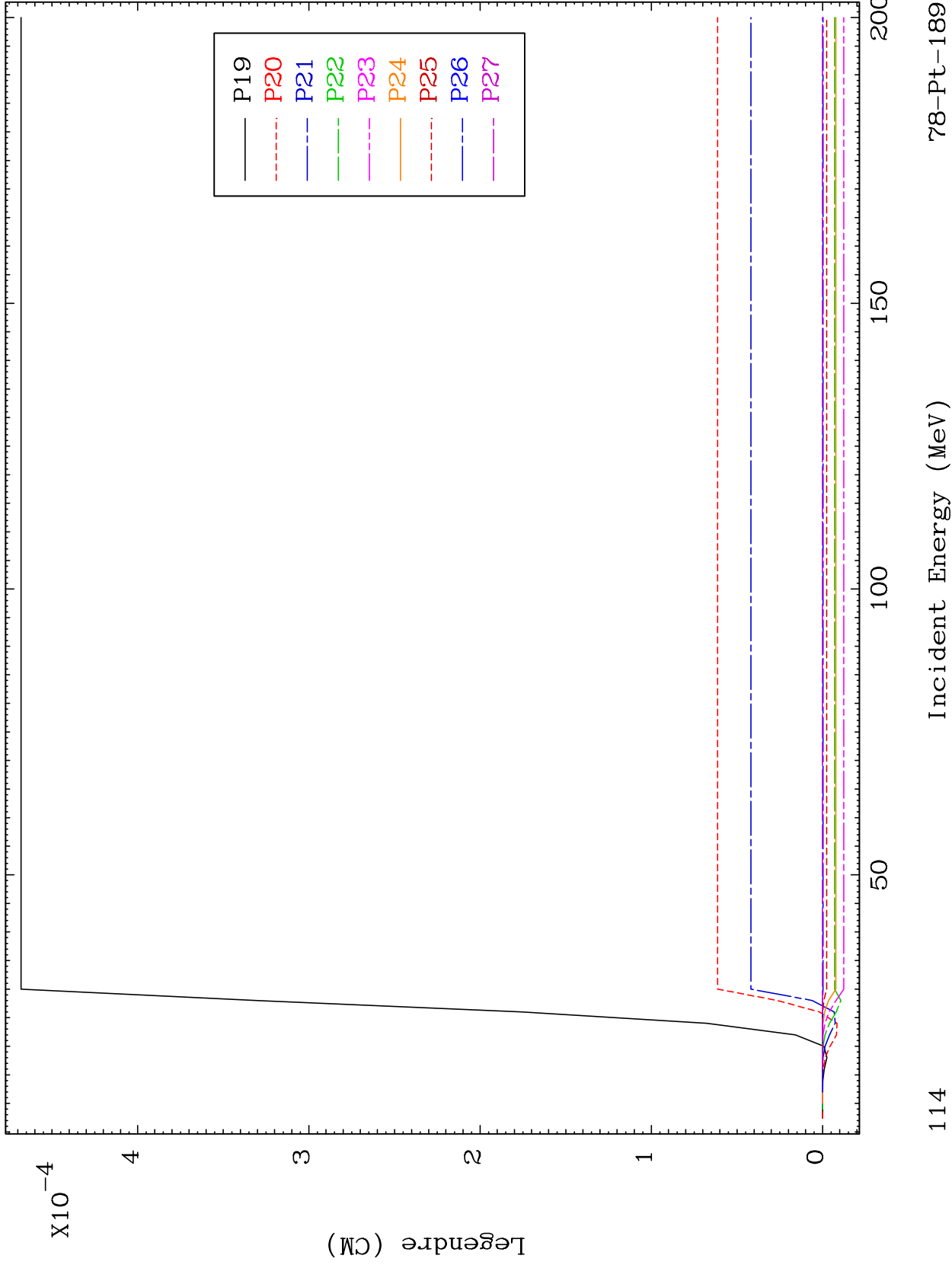
Incident Energy (MeV)

78-Pt-189

MAT 7822

944.8 keV (n,n') Level
Legendre Coefficients

78-Pt-189



114

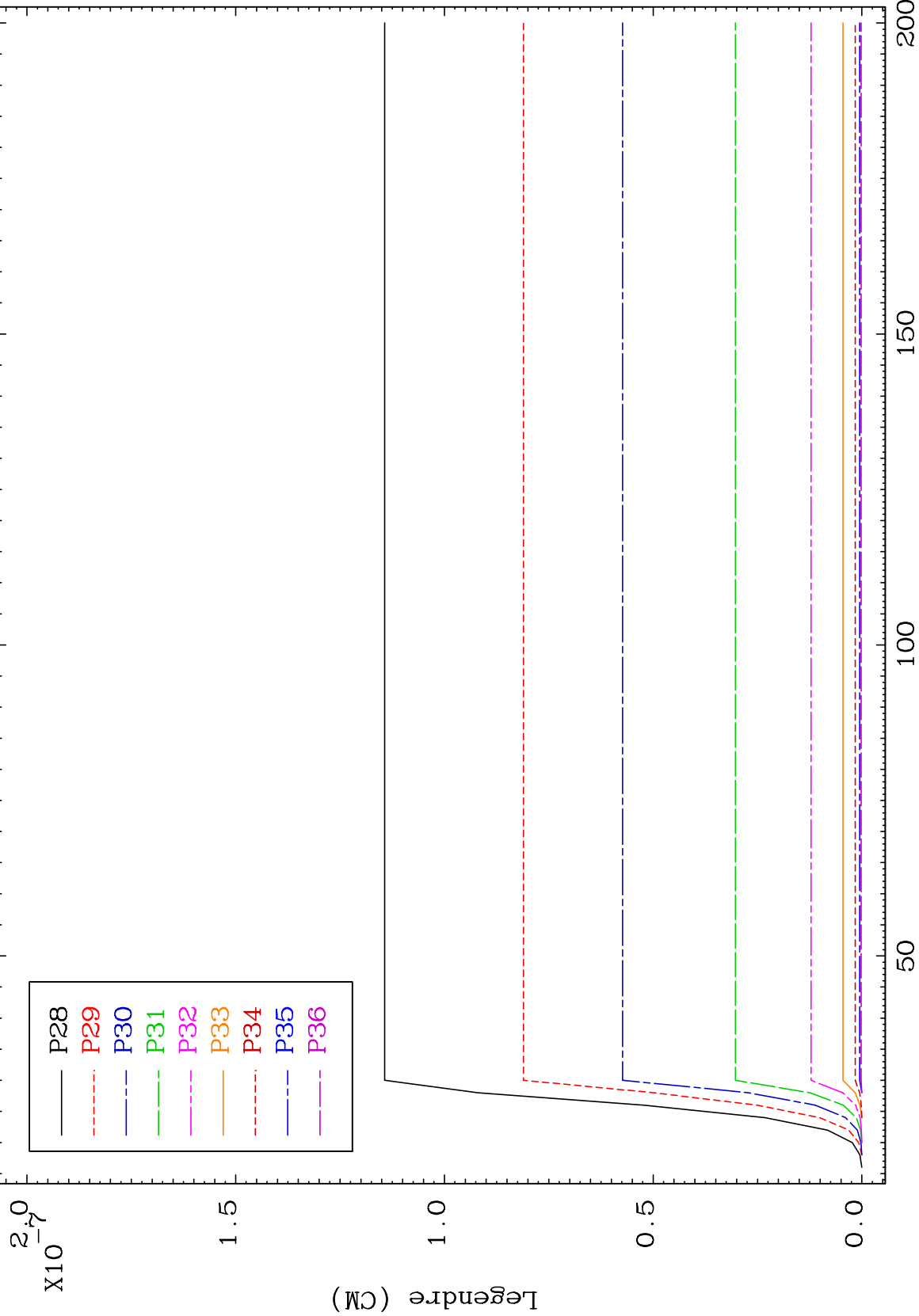
Incident Energy (MeV)

78-Pt-189

MAT 7822

944.8 keV (n,n') Level
Legendre Coefficients

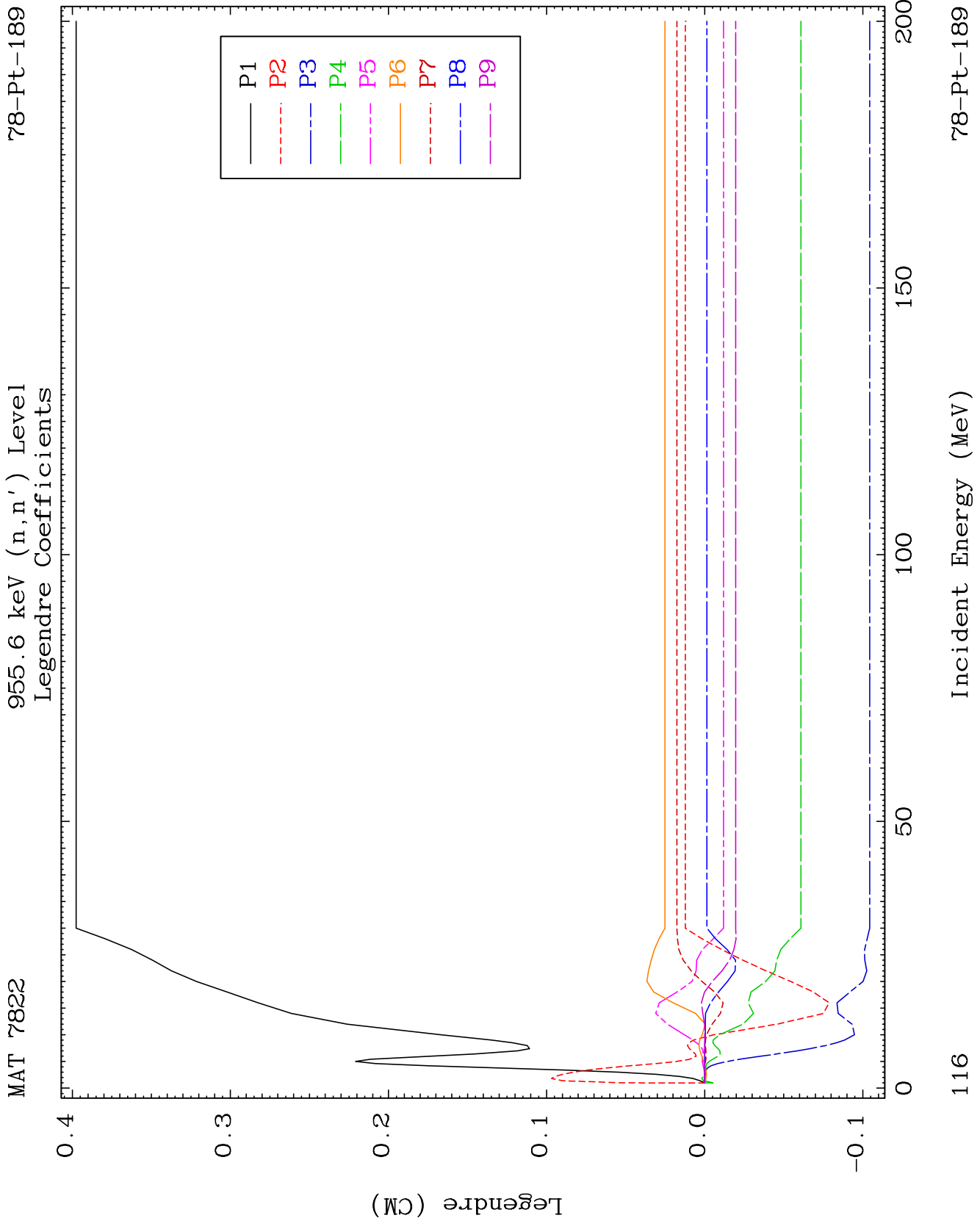
78-Pt-189

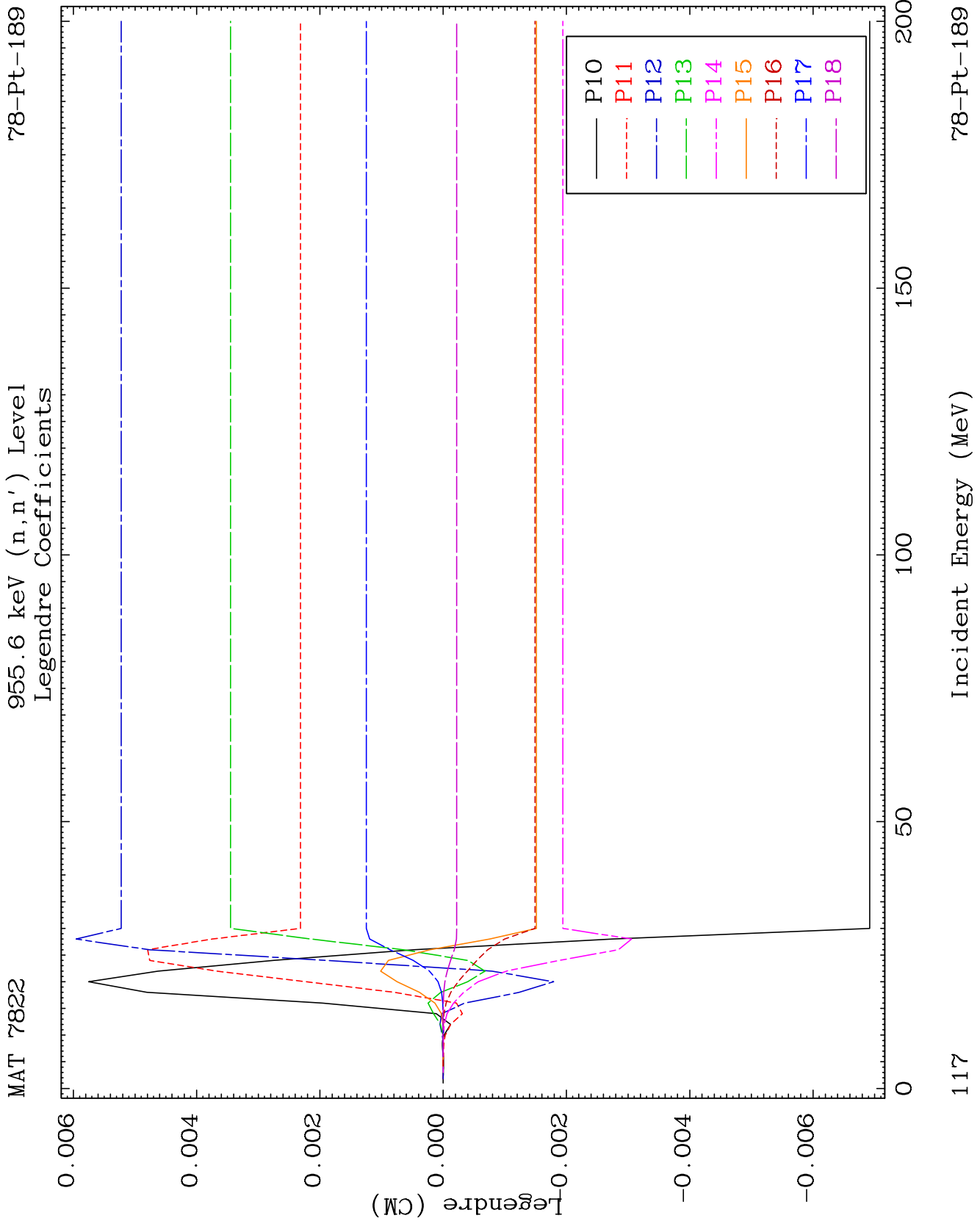


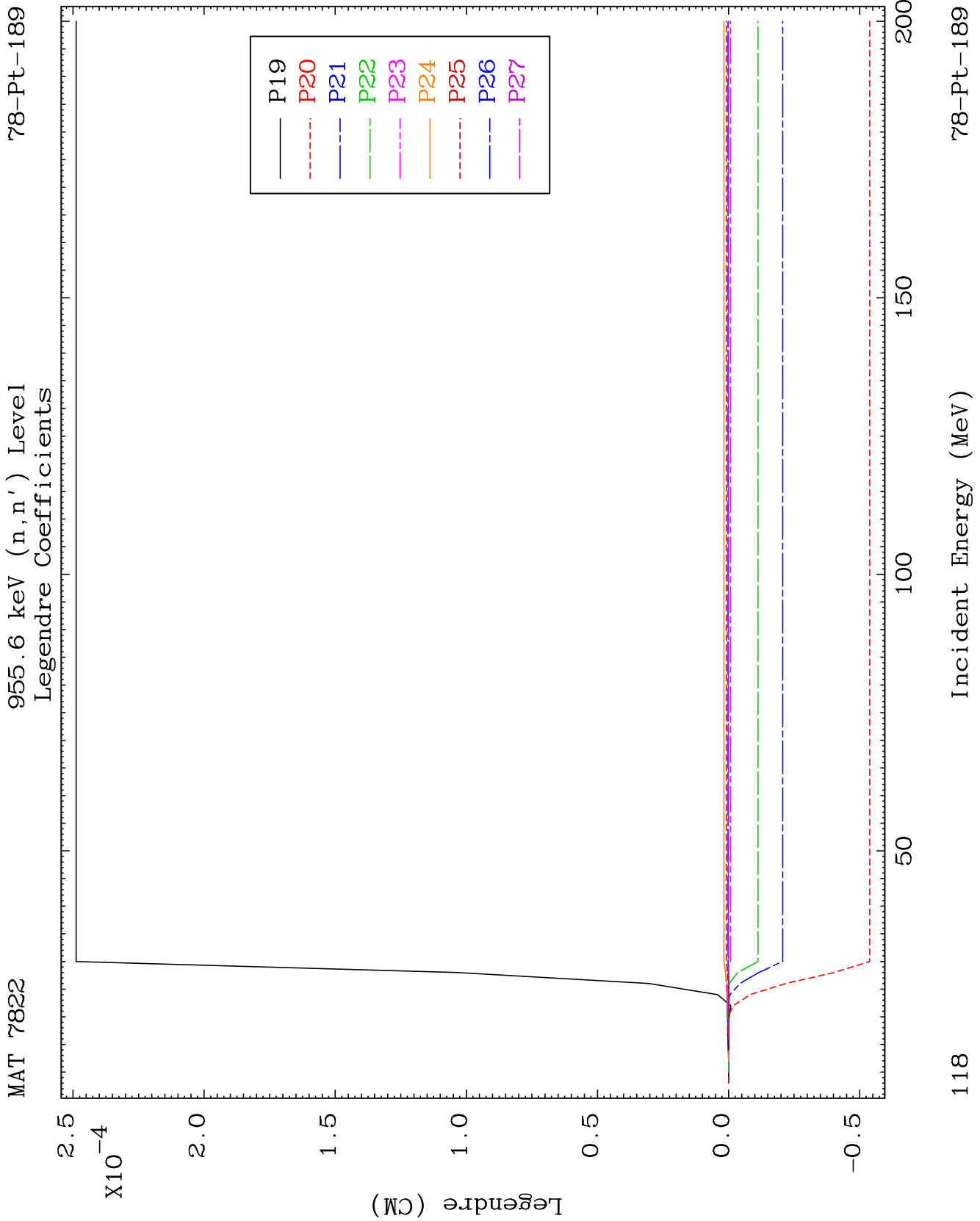
115

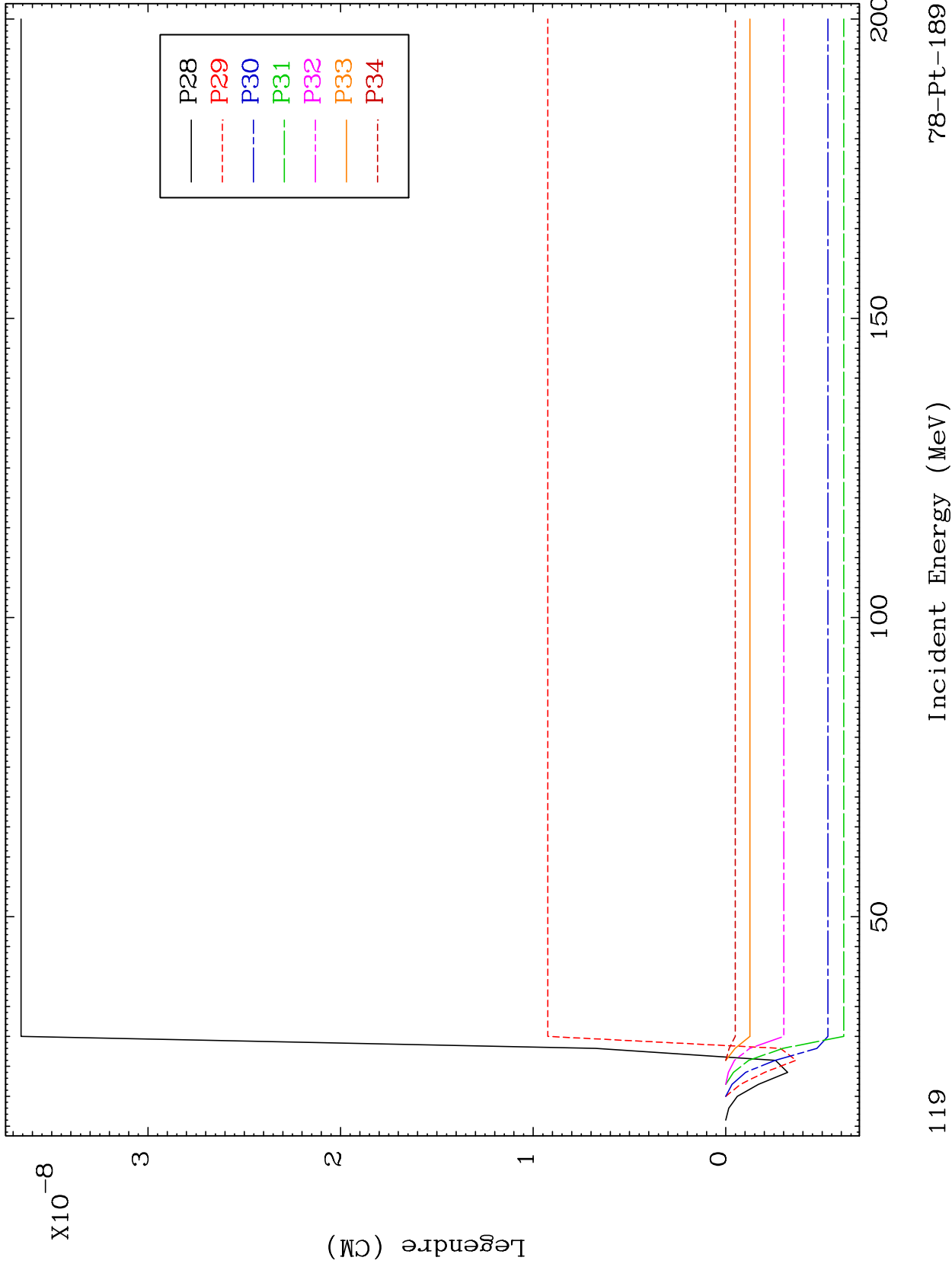
Incident Energy (MeV)

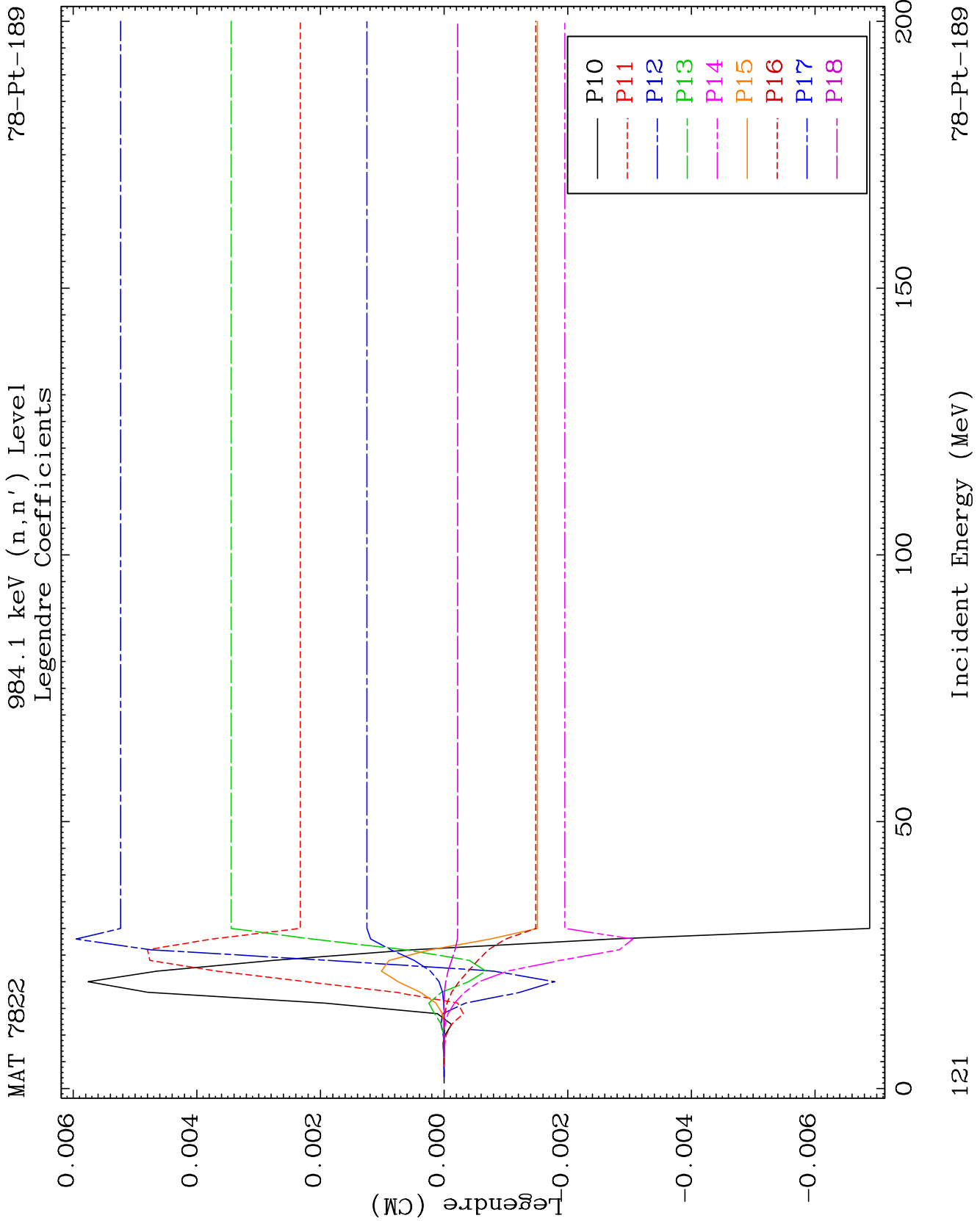
78-Pt-189

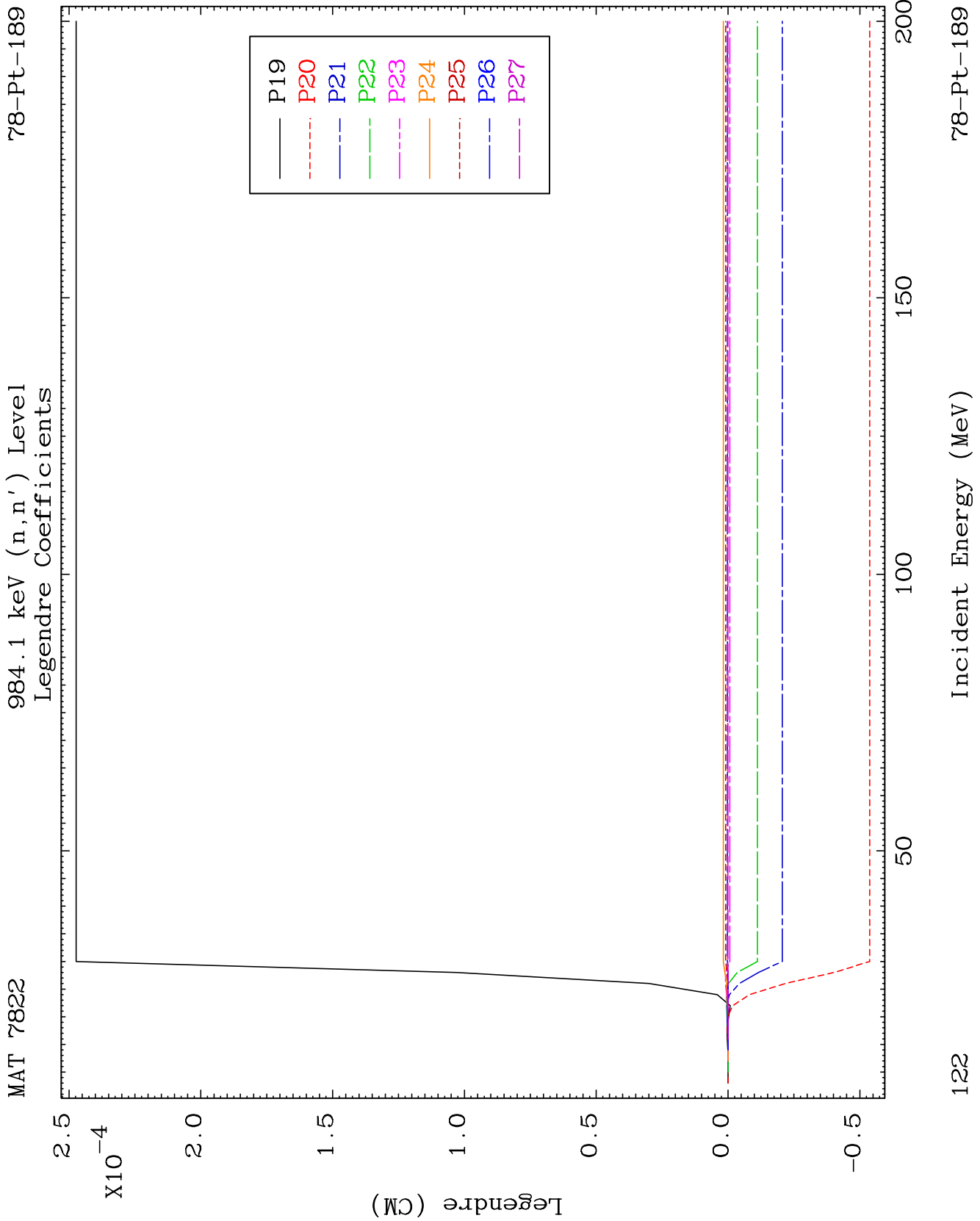


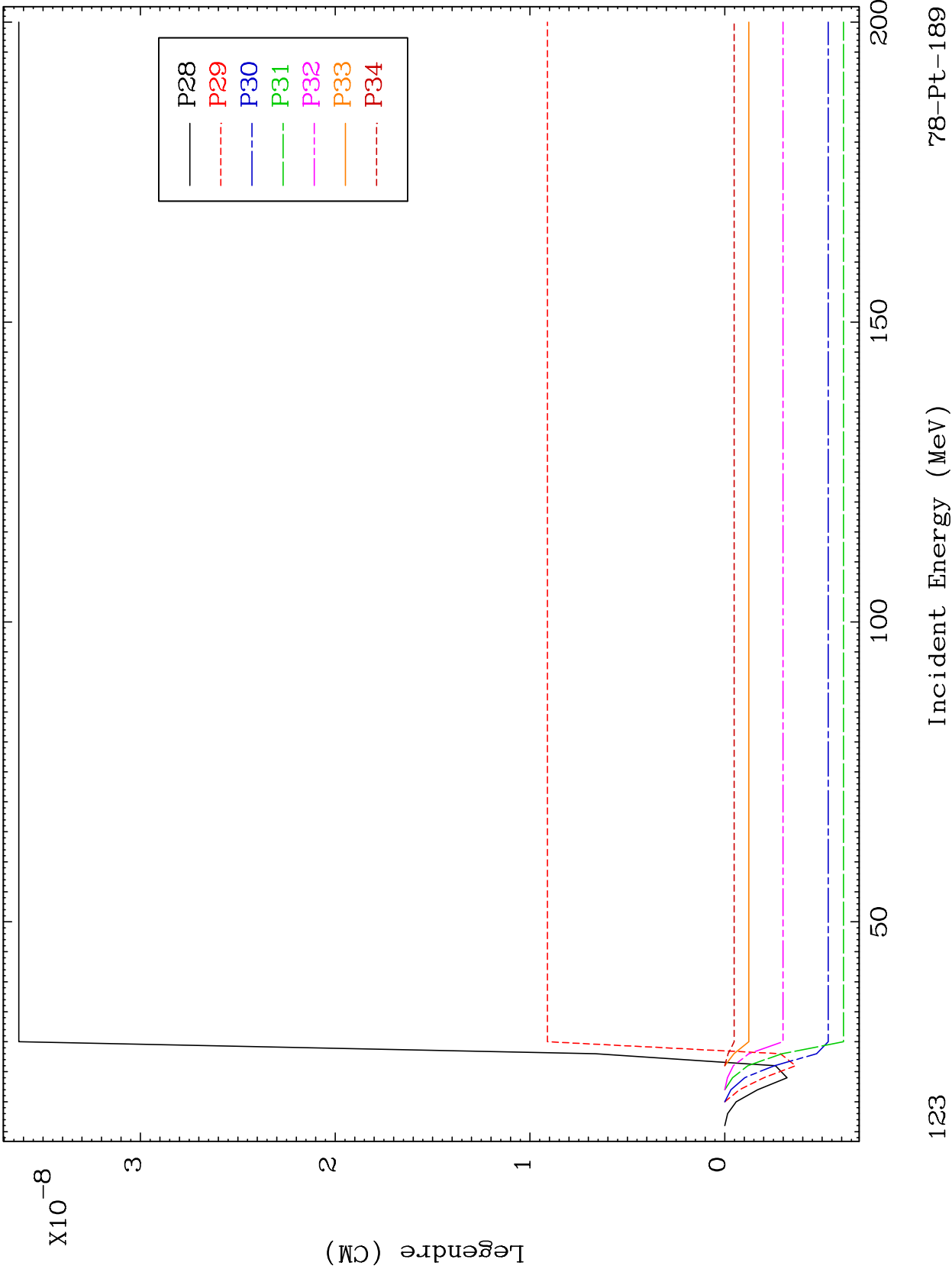








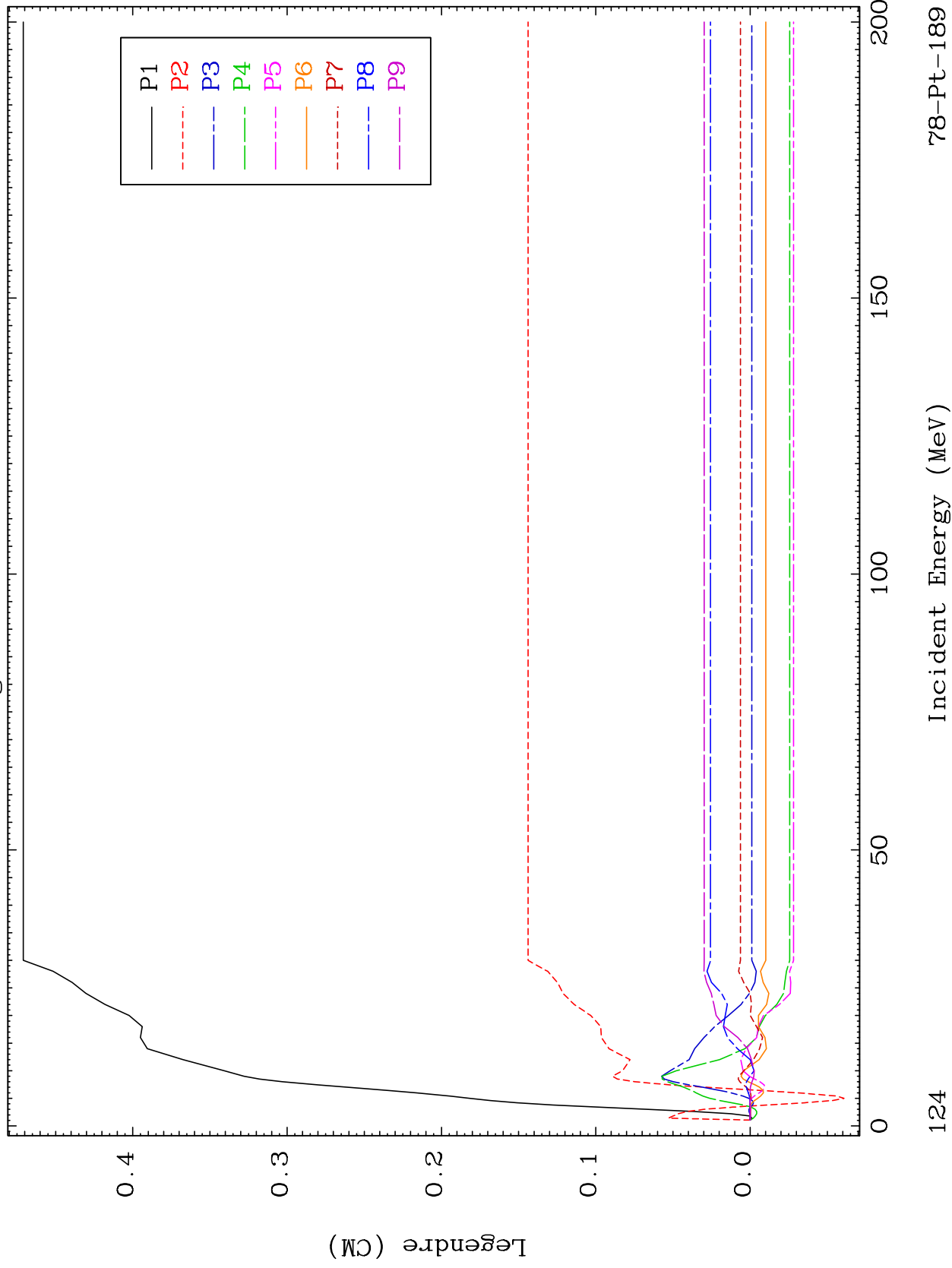




MAT 7822

1.048 MeV (n,n') Level
Legendre Coefficients

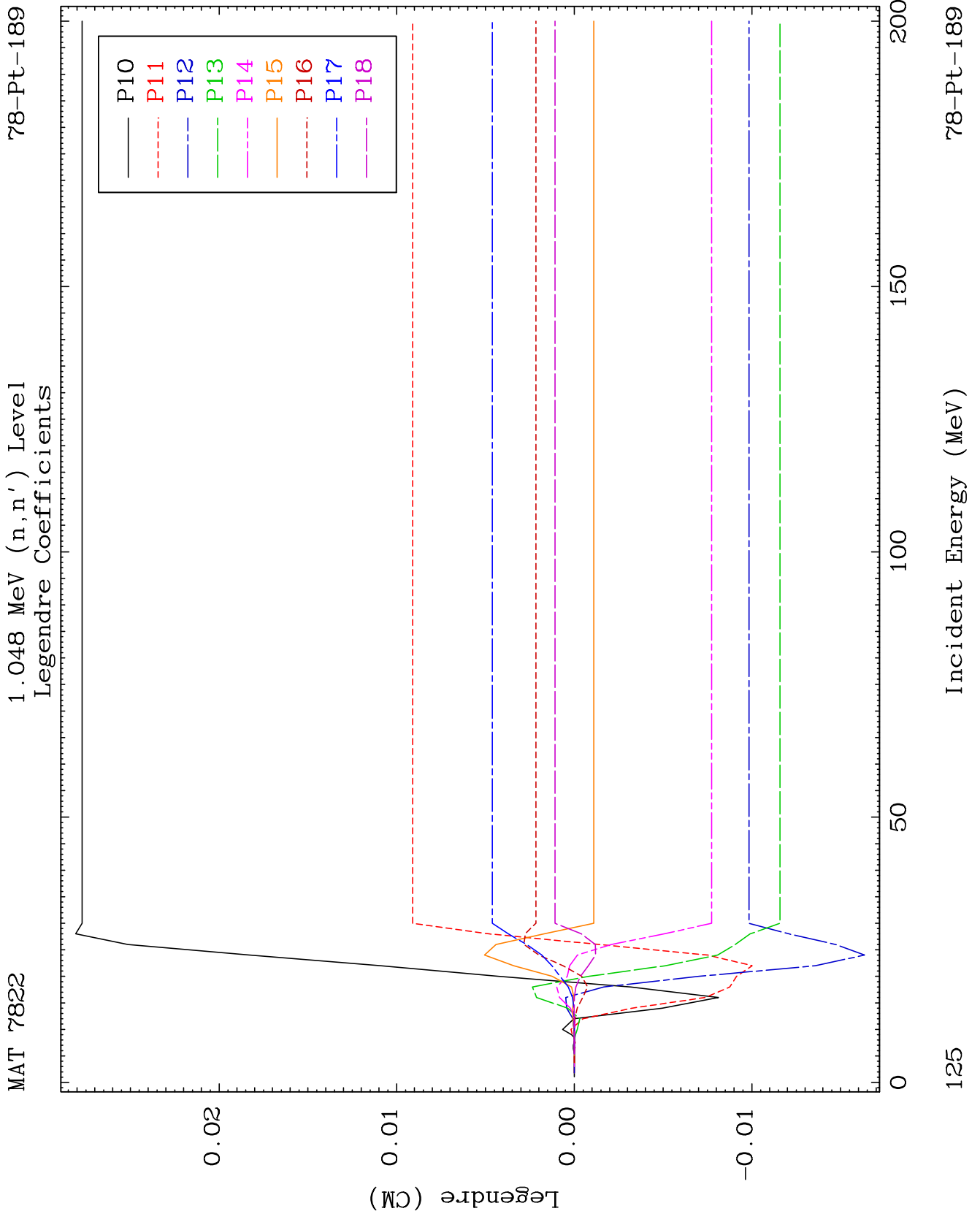
78-Pt-189



78-Pt-189

Incident Energy (MeV)

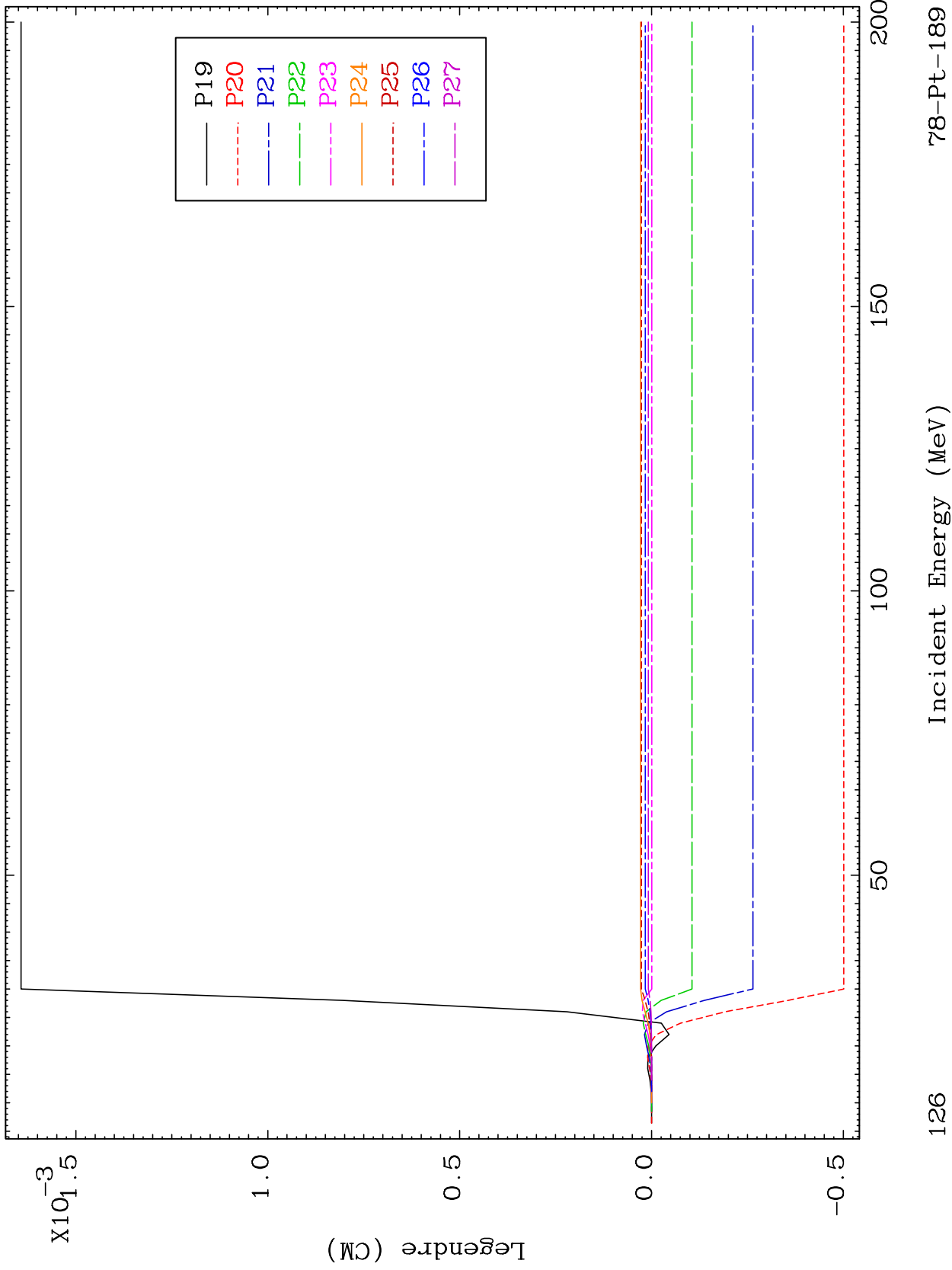
124



MAT 7822

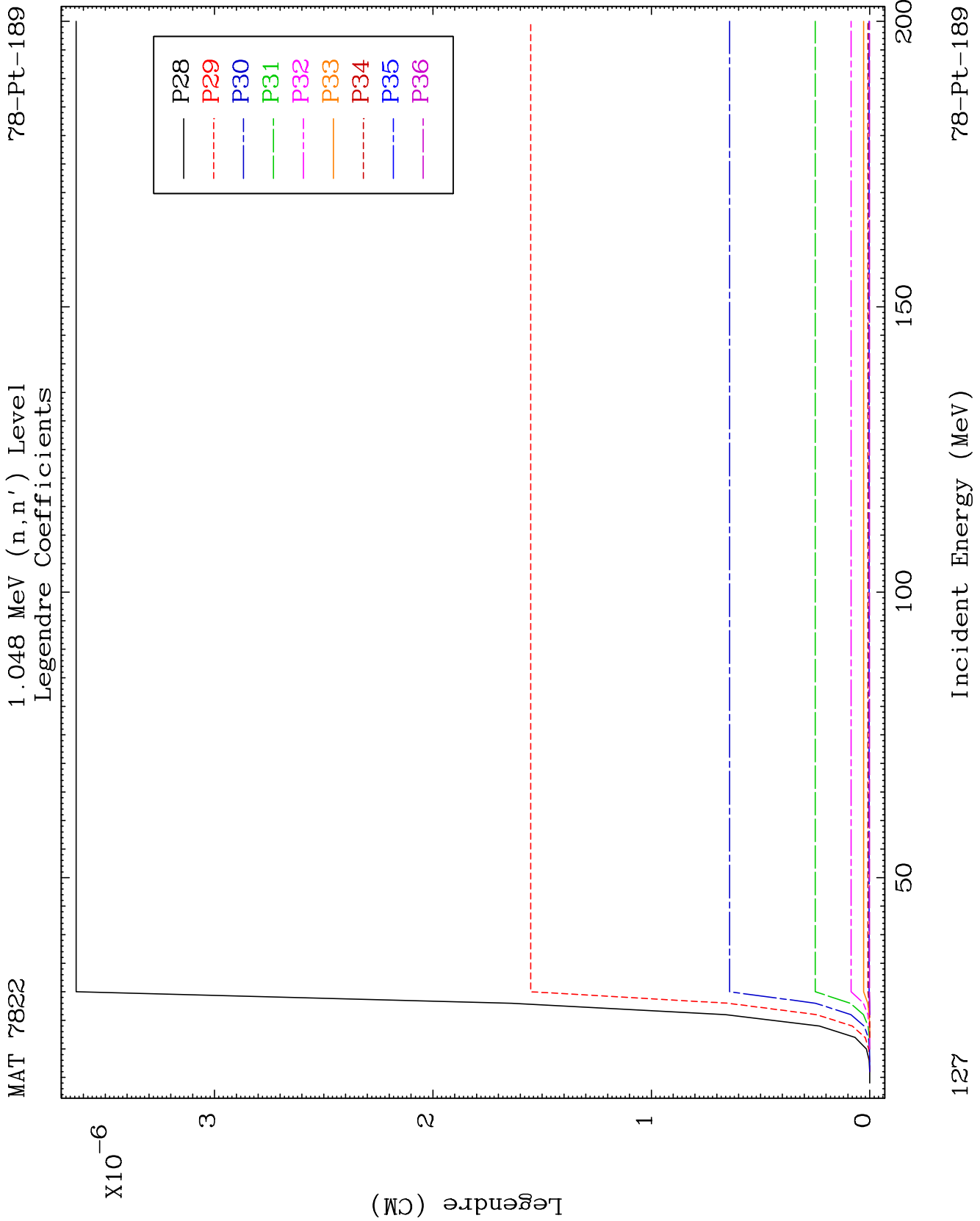
1.048 MeV (n,n') Level
Legendre Coefficients

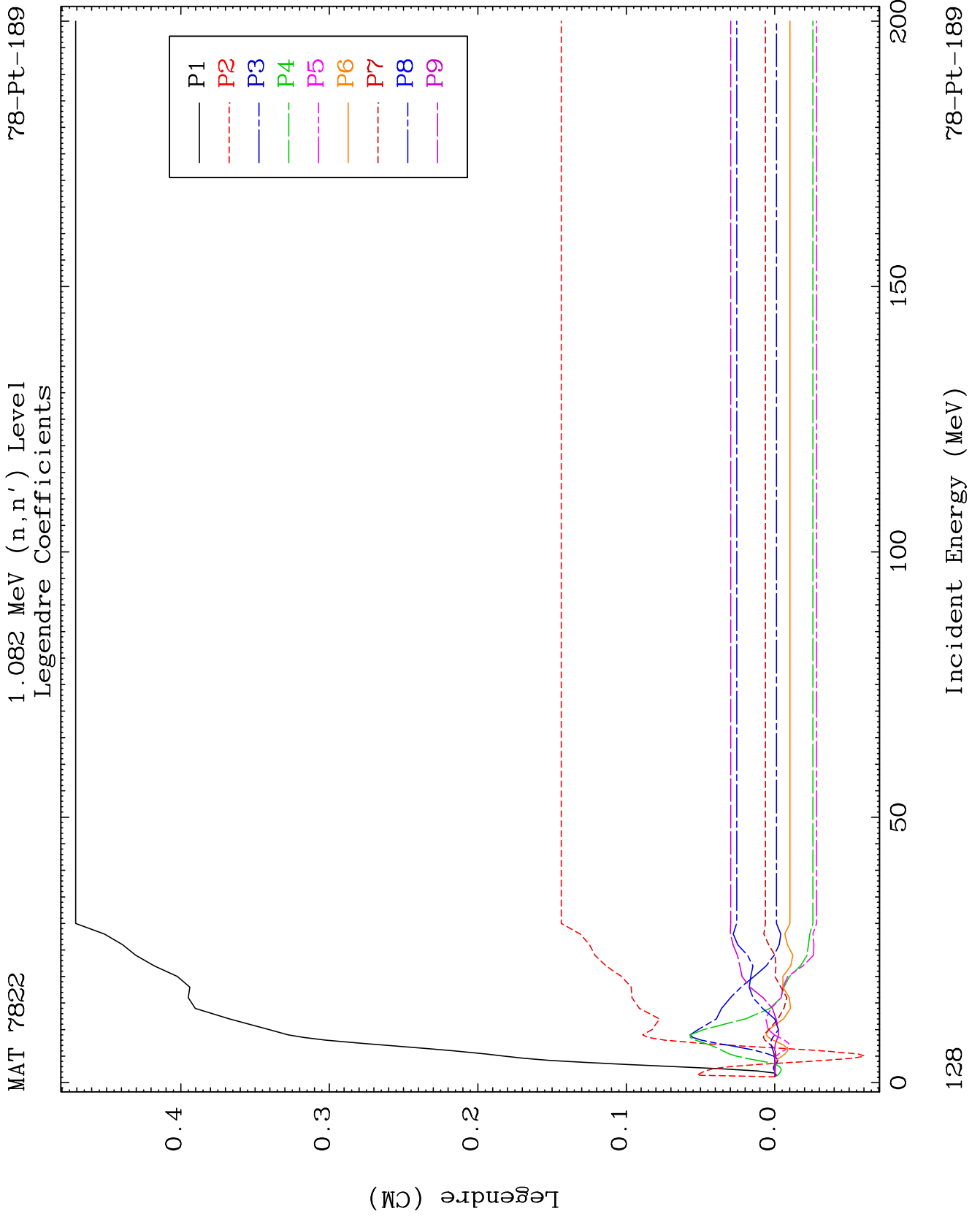
78-Pt-189

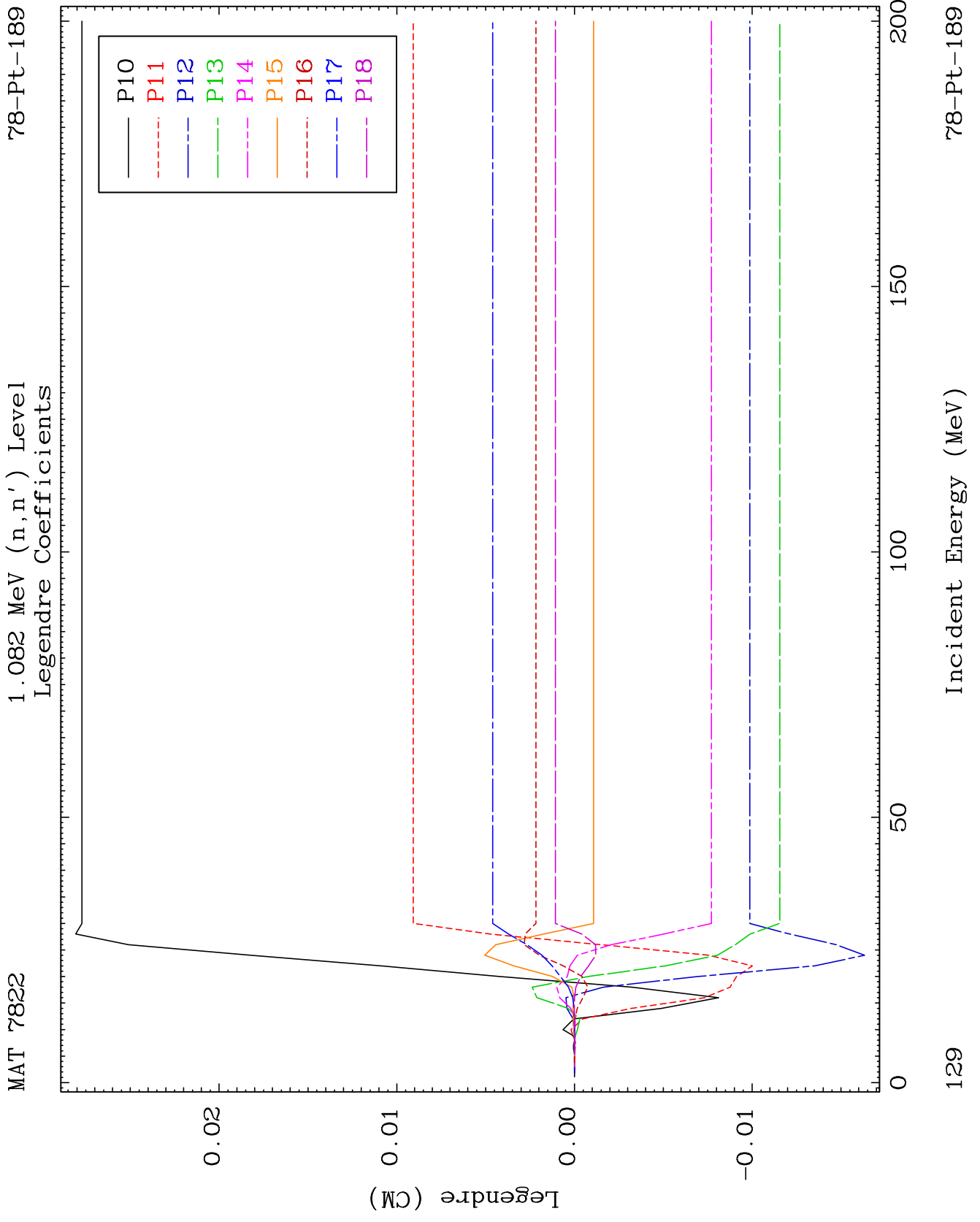


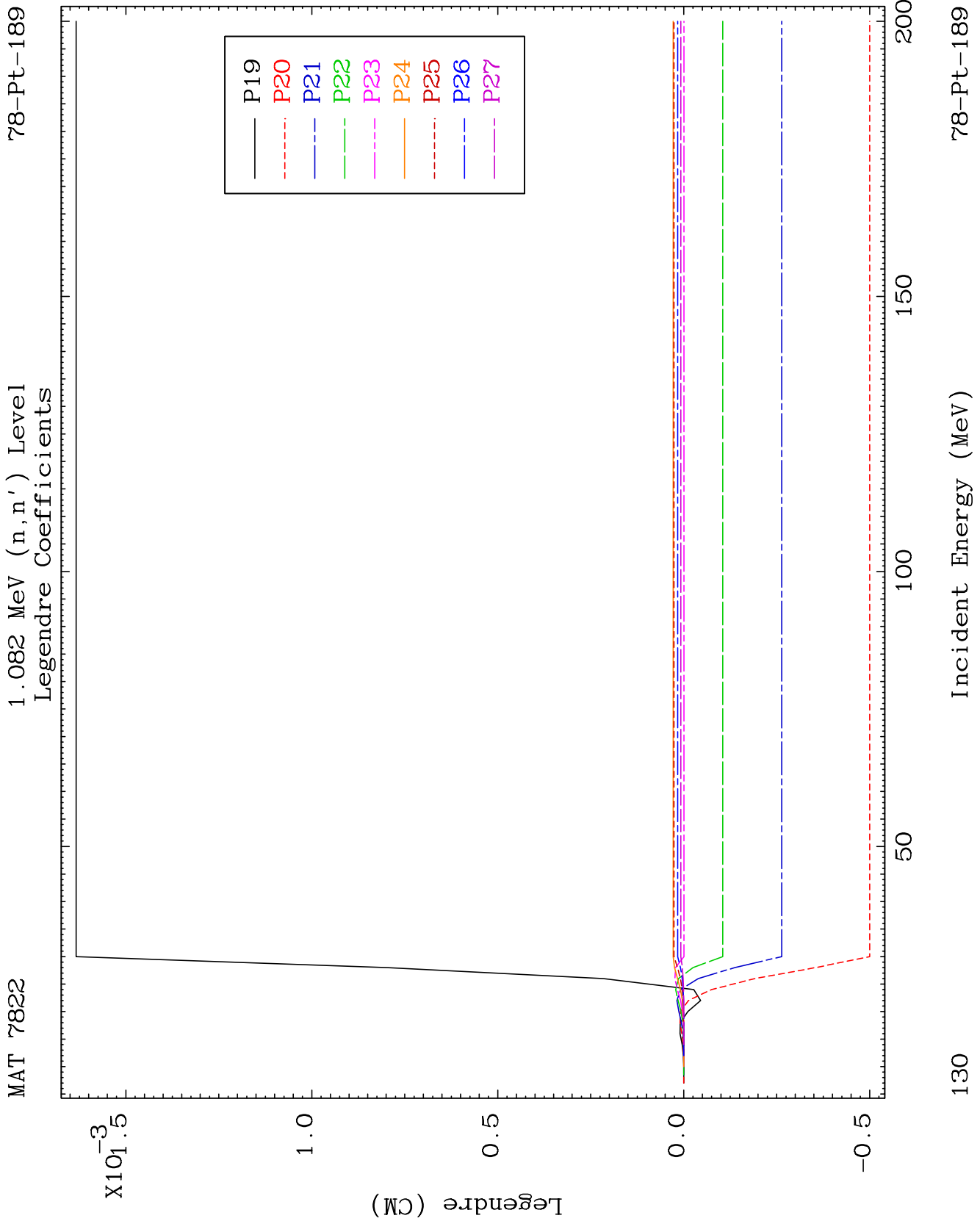
126

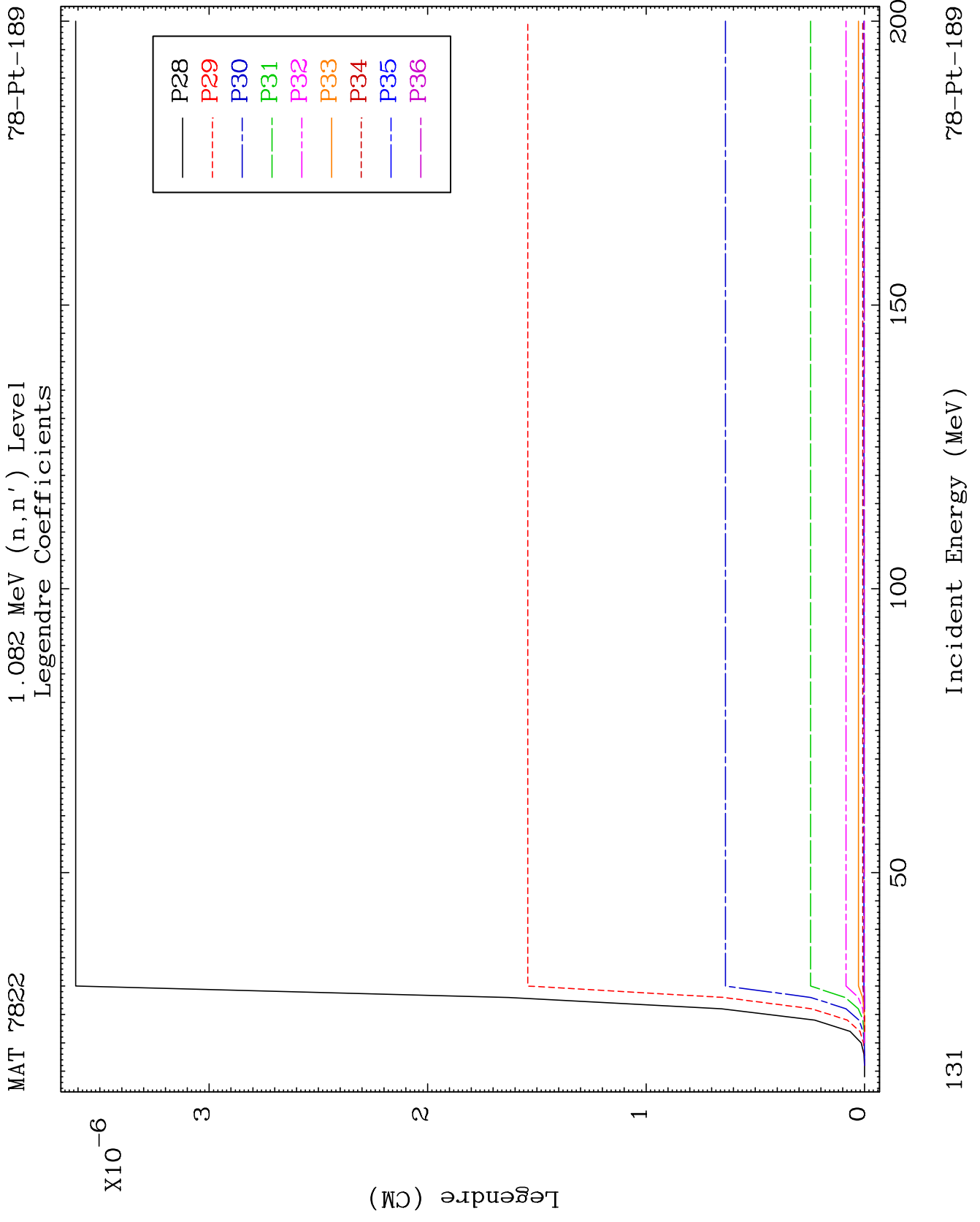
78-Pt-189

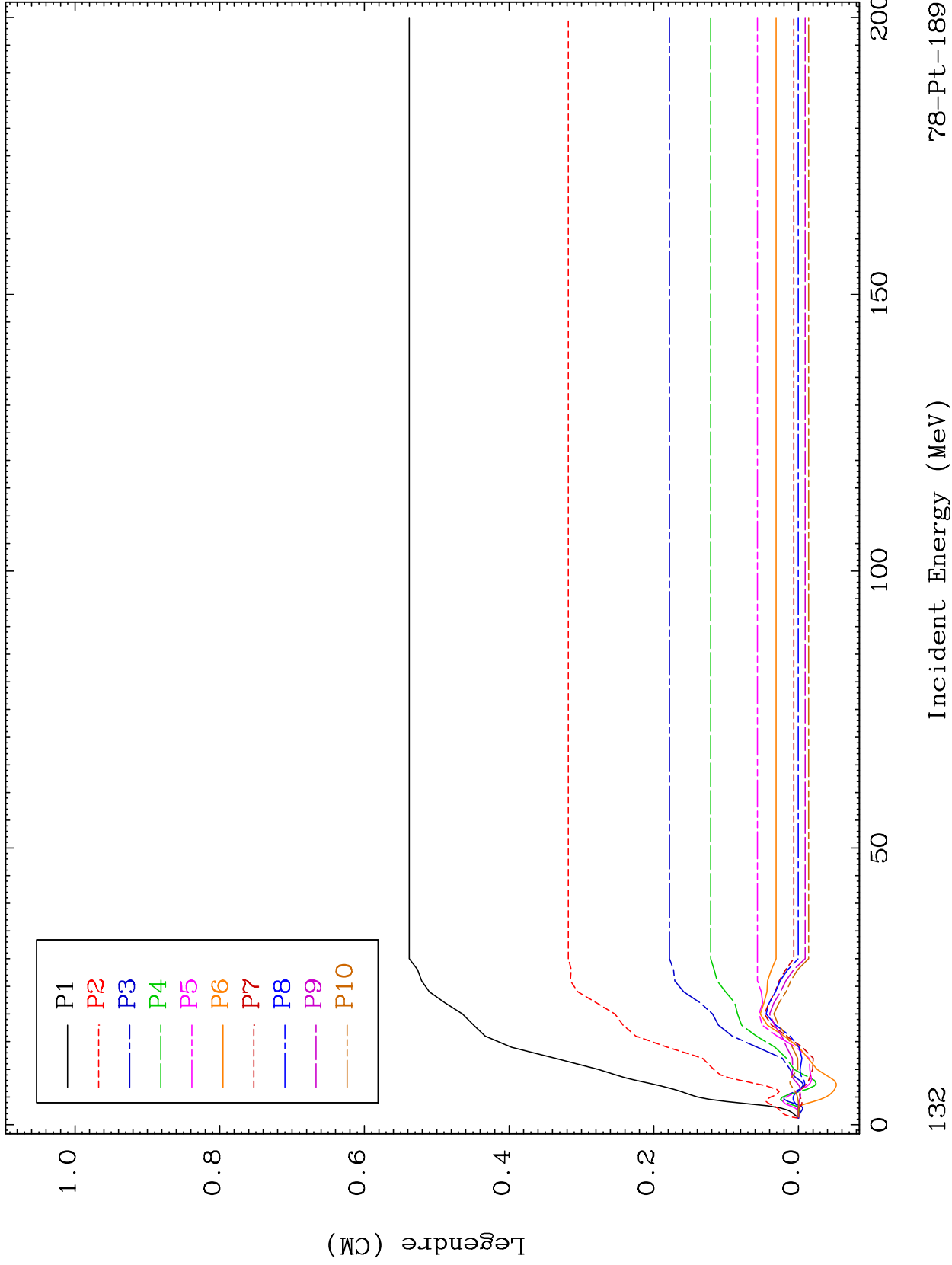








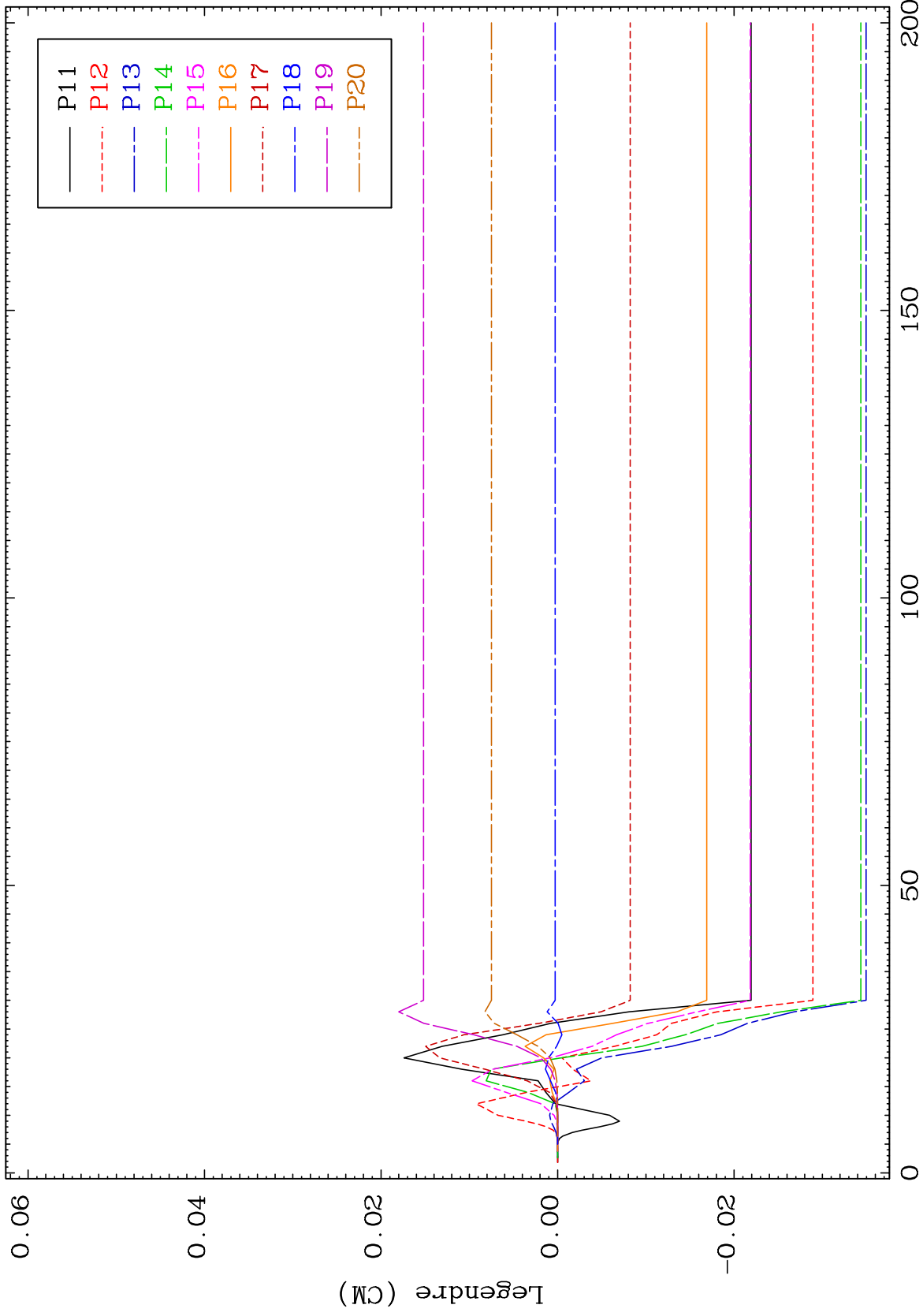




MAT 7822

1.161 MeV (n,n') Level
Legendre Coefficients

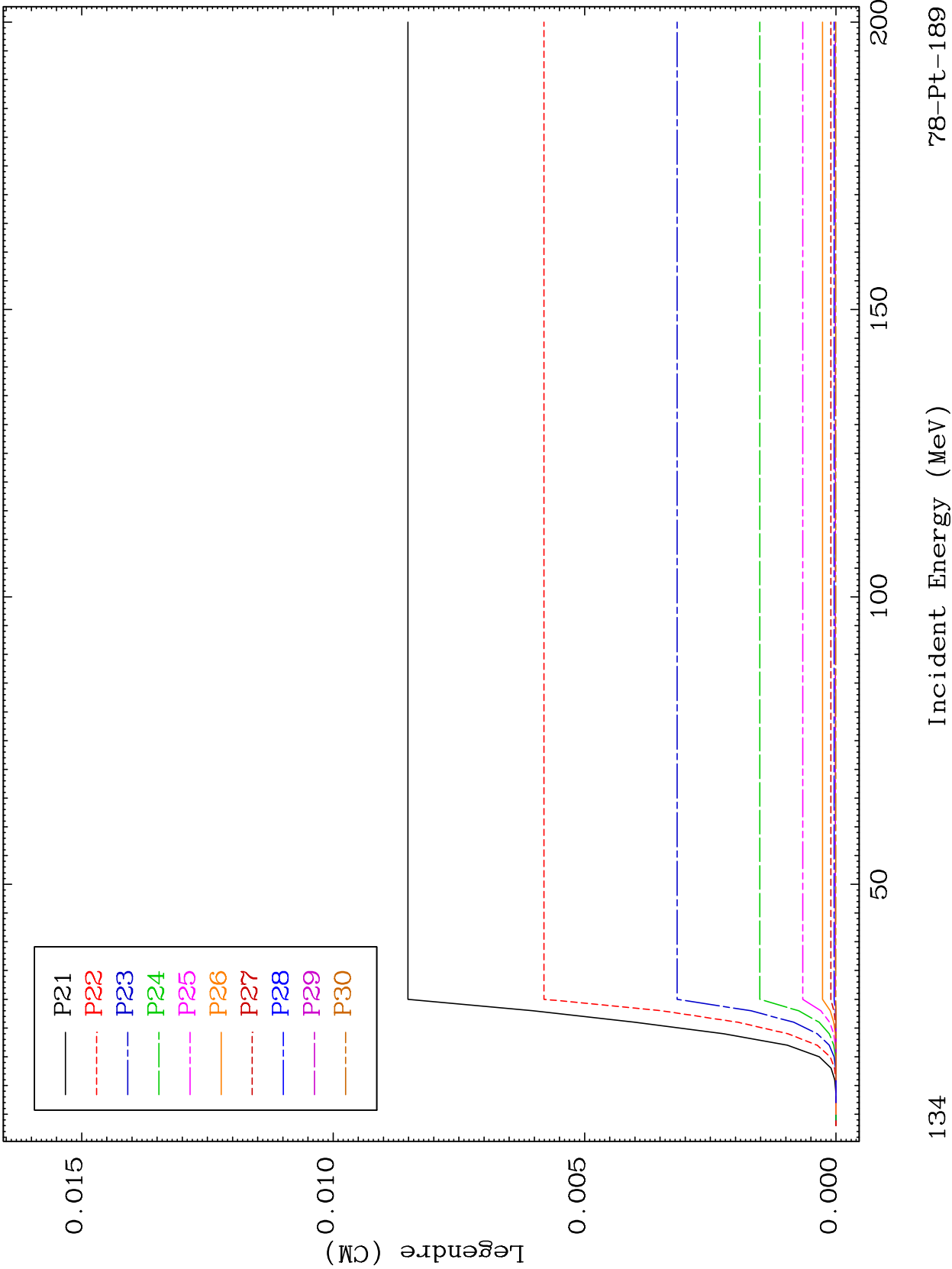
78-Pt-189

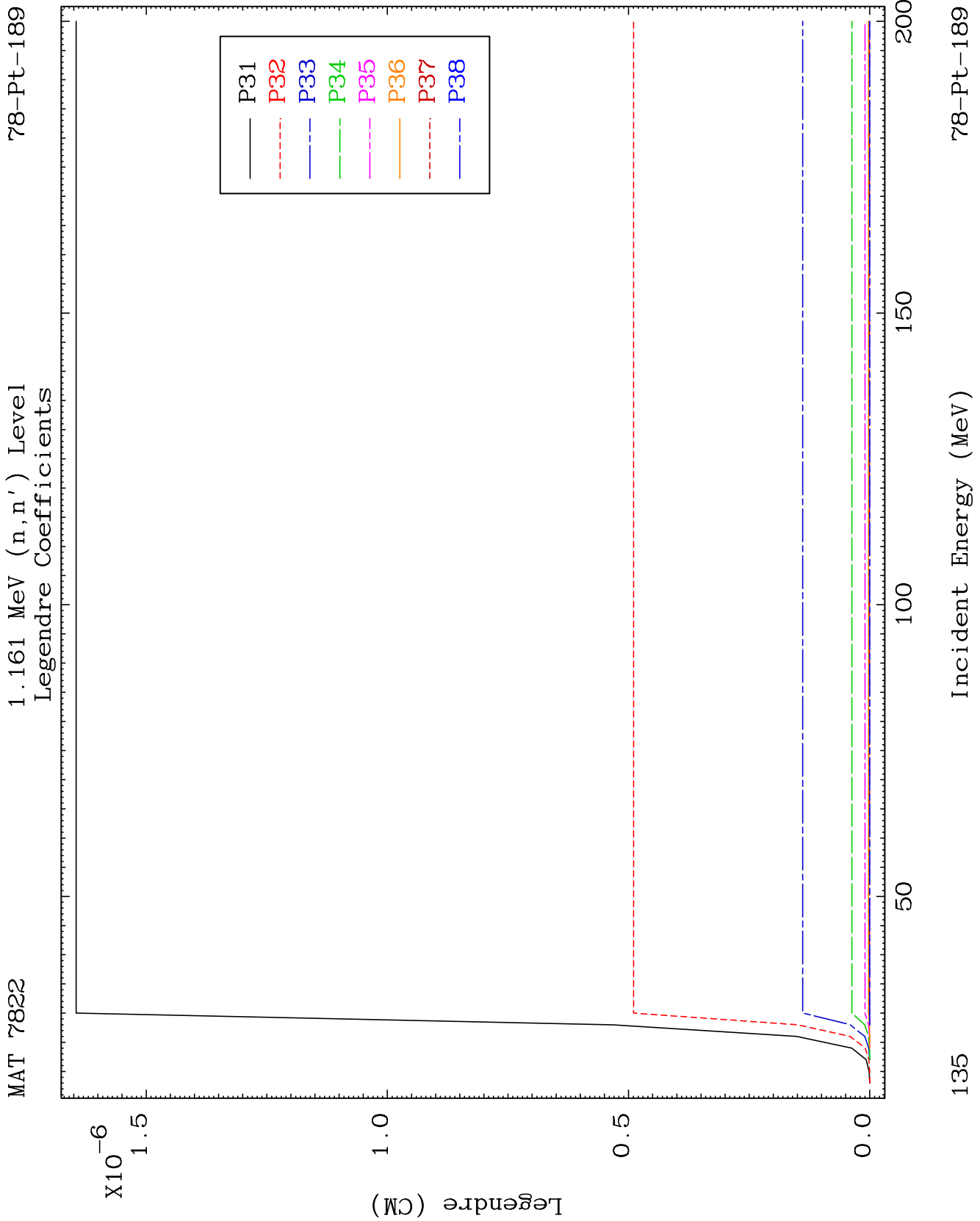


133

Incident Energy (MeV)

78-Pt-189



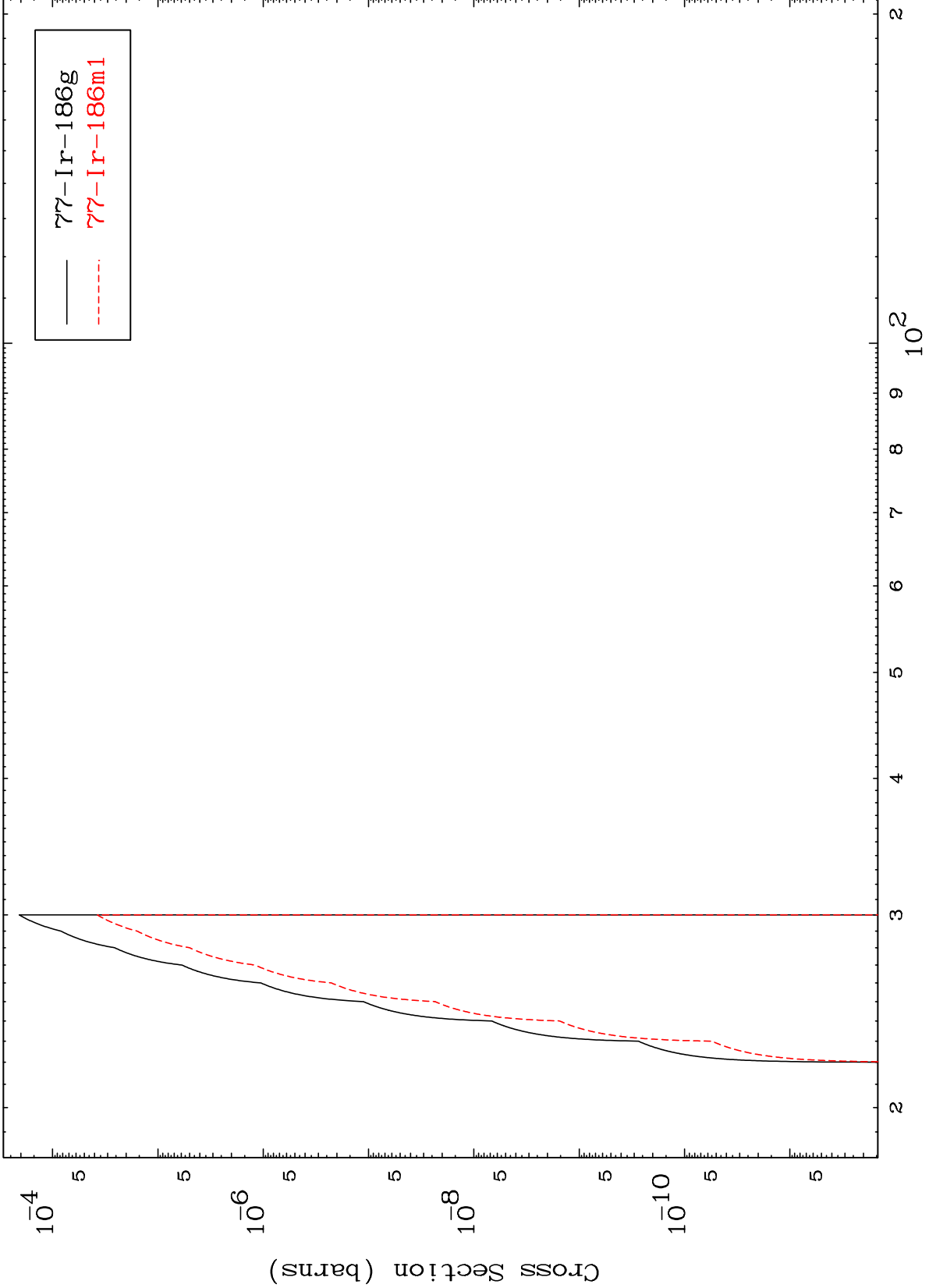


MAT 78222

(n,2n) d

78-Pt-189

Radionuclide Production Cross Section



136

Incident Energy (MeV)

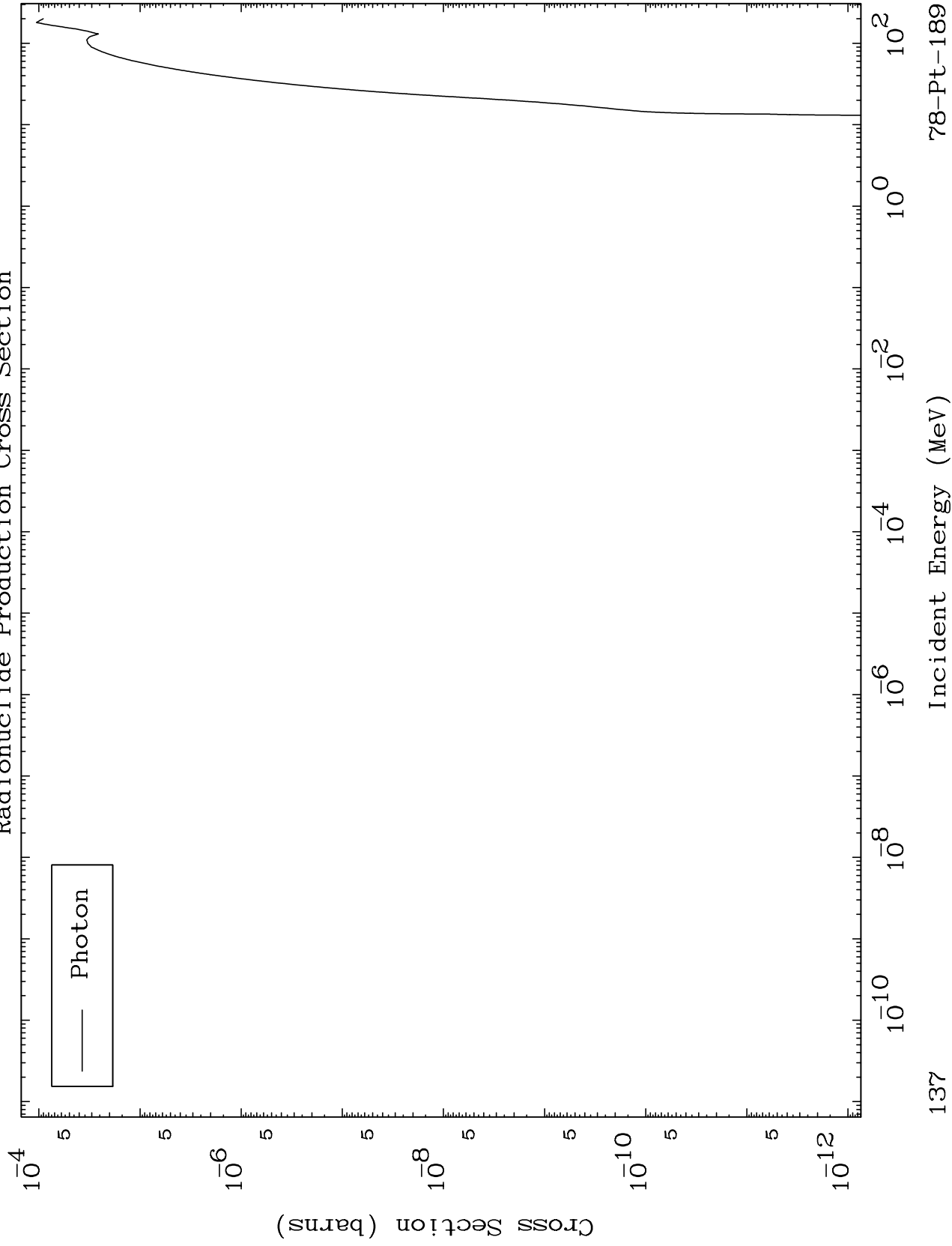
78-Pt-189

MAT 7822

Fission

78-Pt-189

Radionuclide Production Cross Section



137

Incident Energy (MeV)

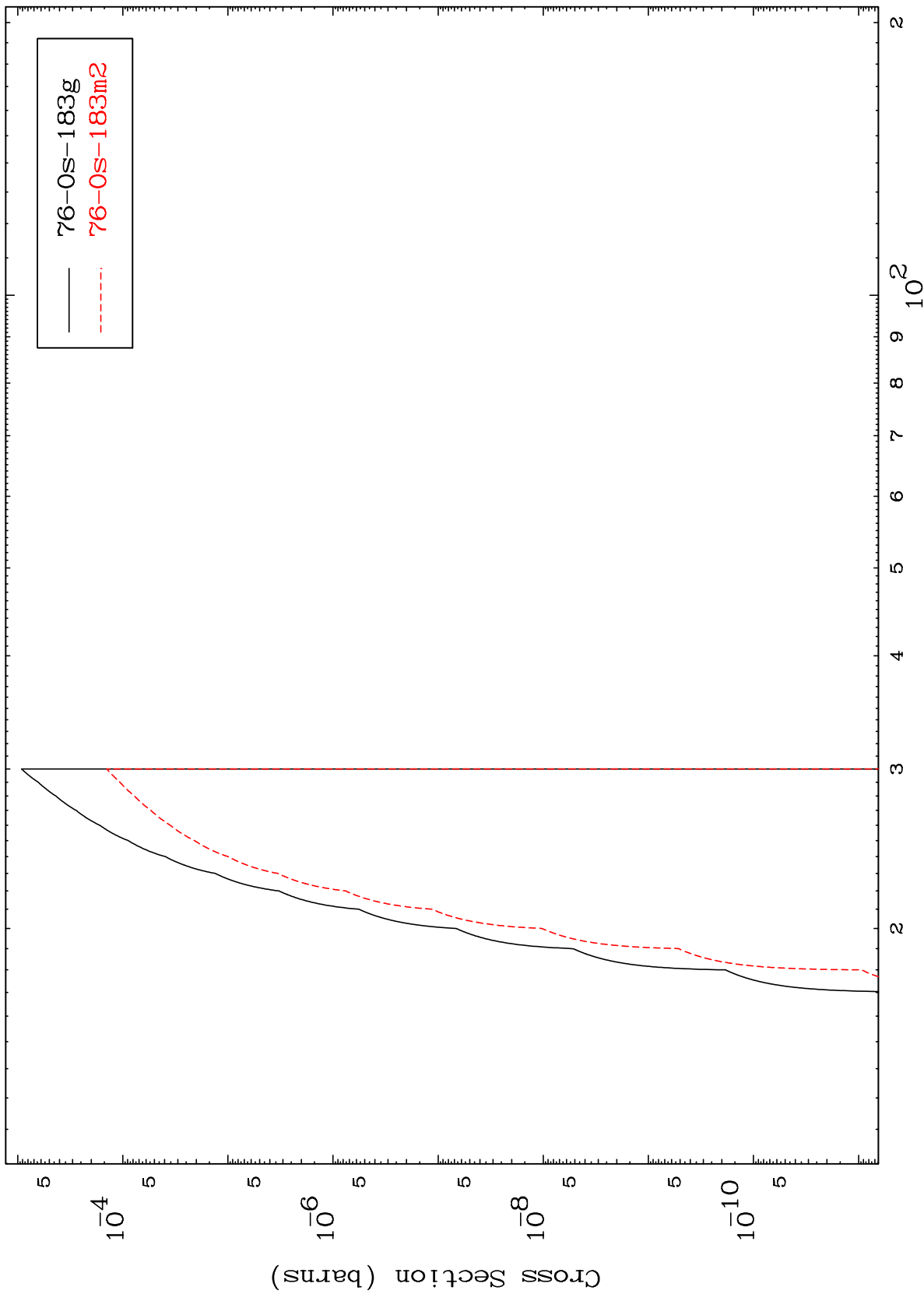
78-Pt-189

MAT 7822

(n,3n) α

78-Pt-189

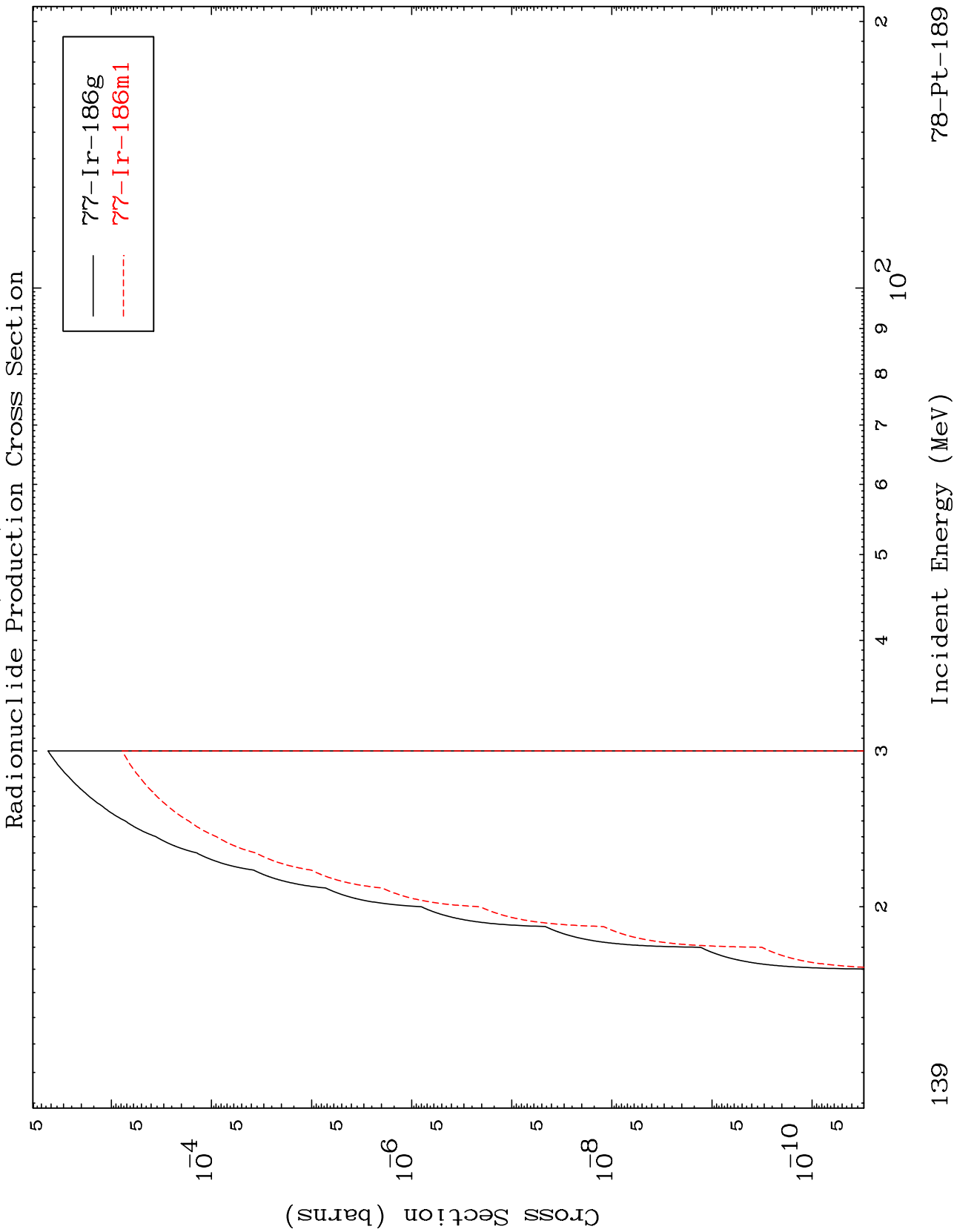
Radionuclide Production Cross Section



138

Incident Energy (MeV)

78-Pt-189

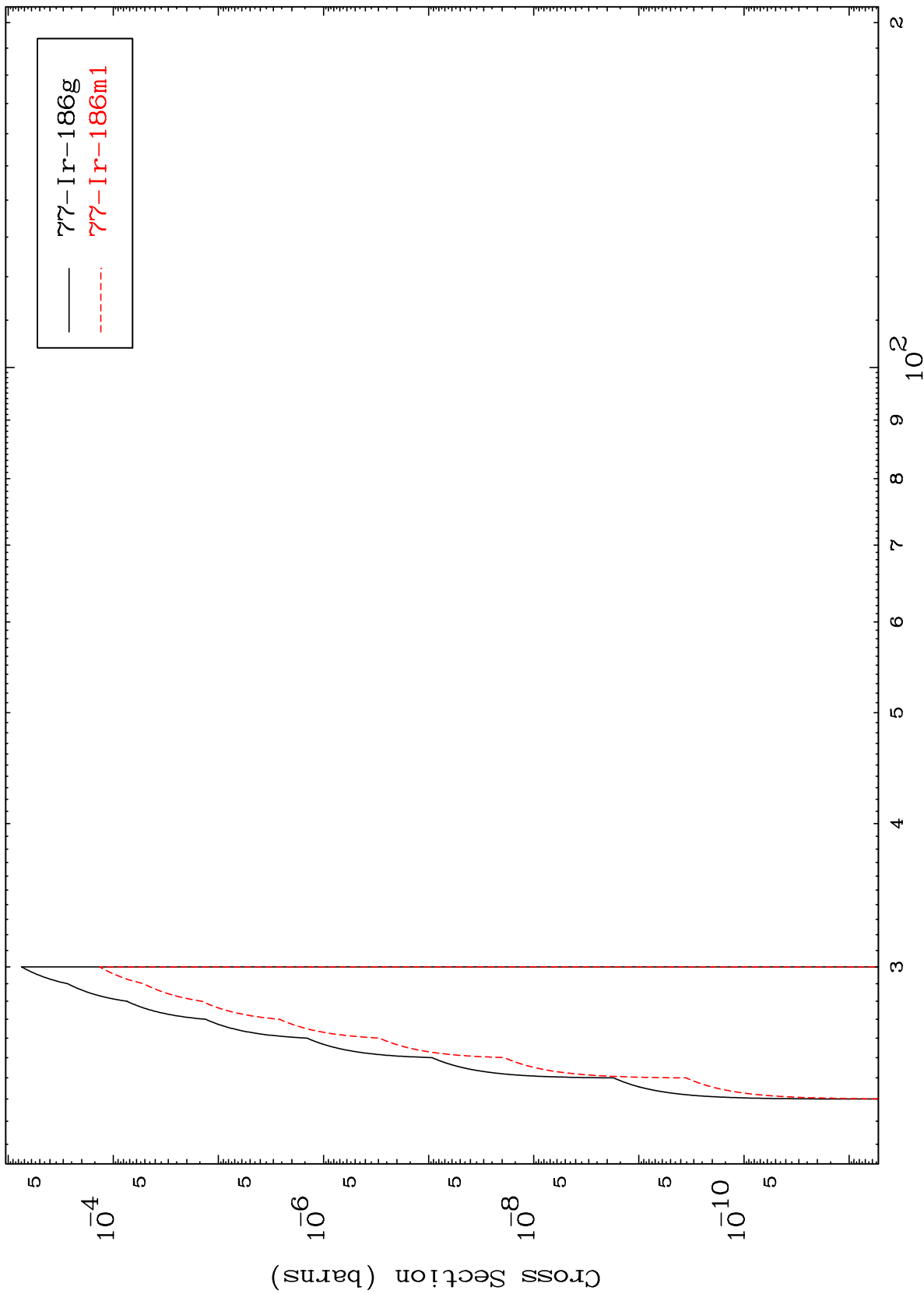


MAT 7822

(n,3n) p

78-Pt-189

Radionuclide Production Cross Section



140

Incident Energy (MeV)

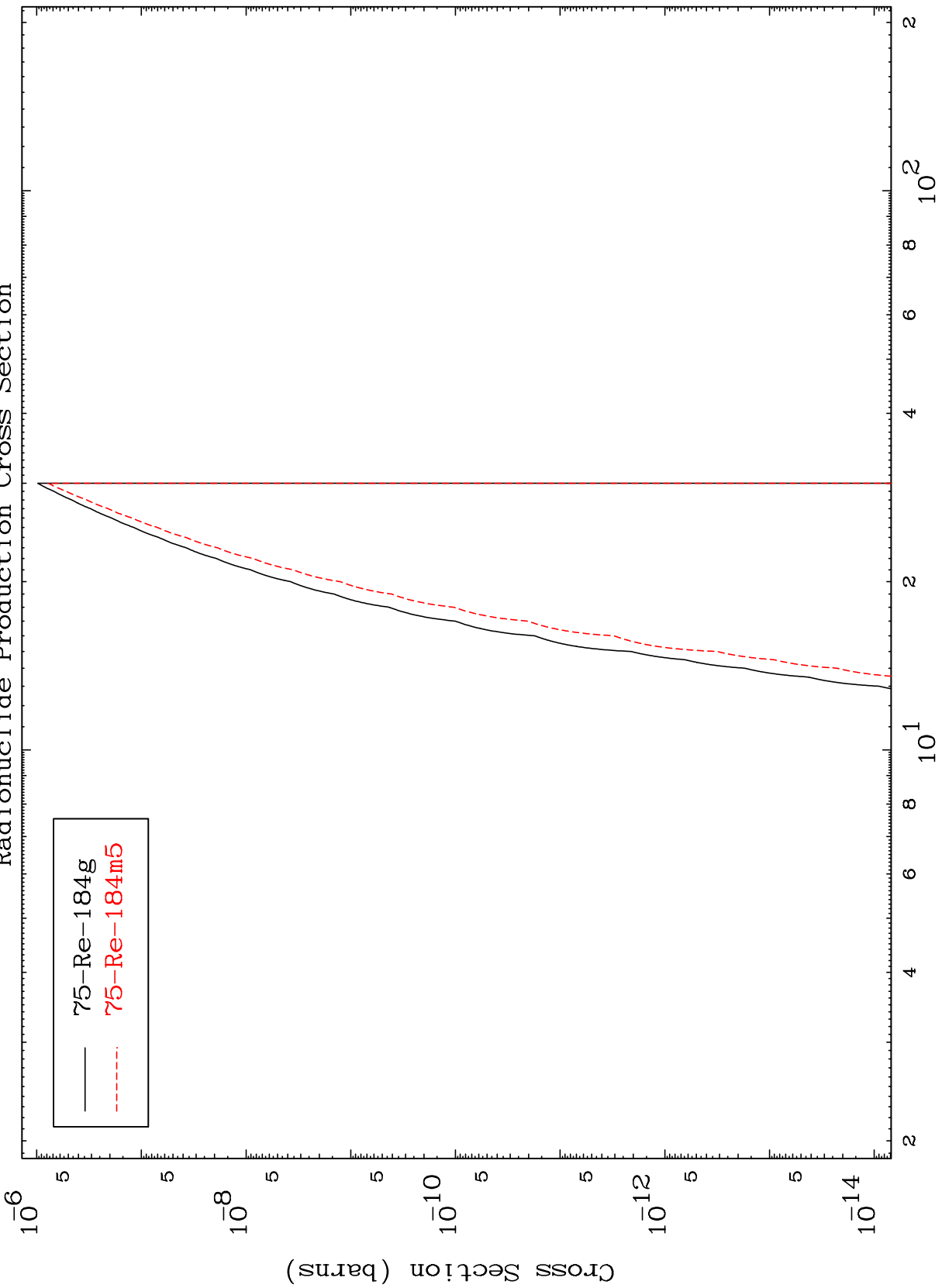
78-Pt-189

MAT 7822

(n,n') p α

78-Pt-189

Radionuclide Production Cross Section



75-Re-184g
75-Re-184m5

141

Incident Energy (MeV)

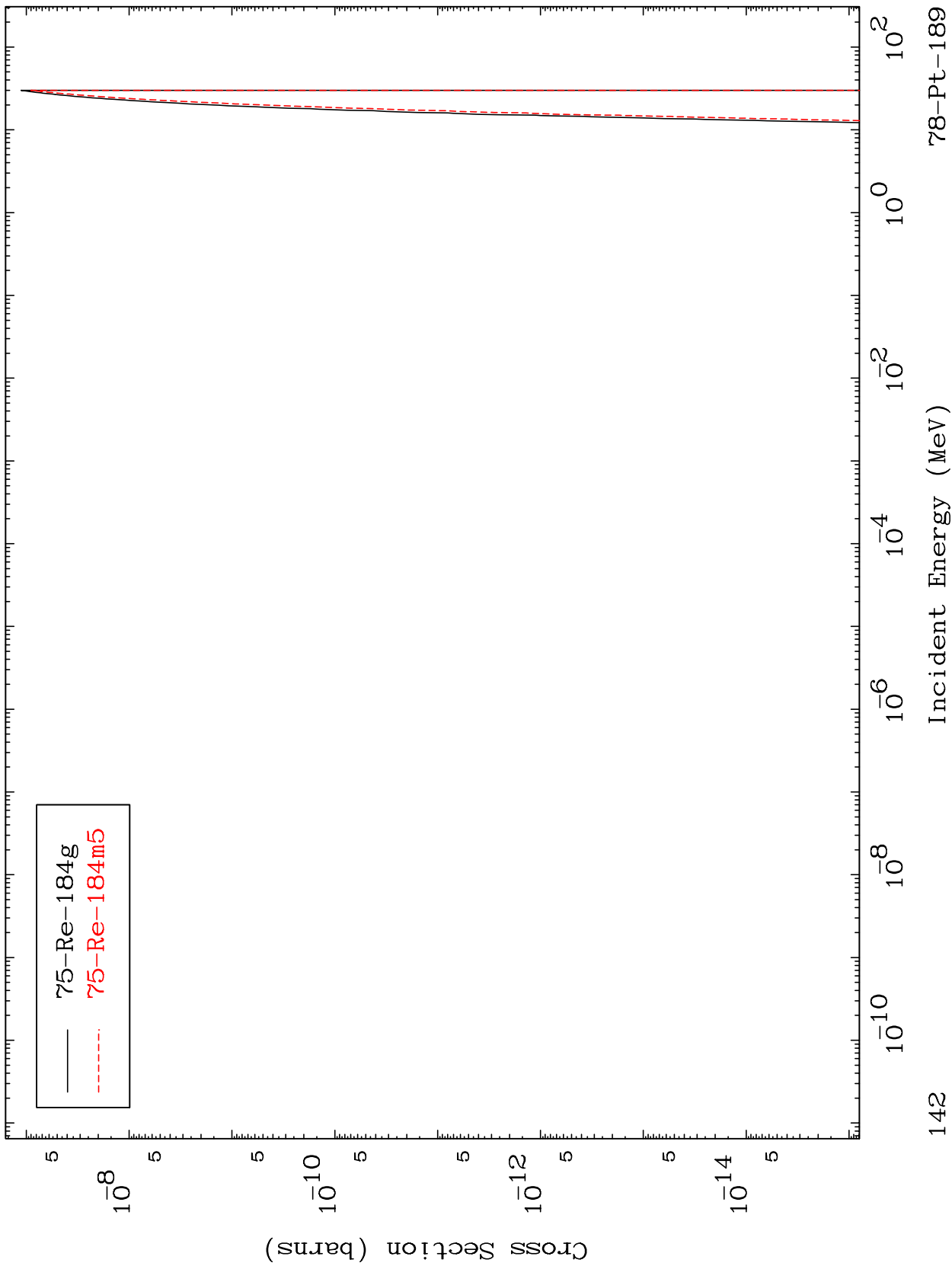
78-Pt-189

MAT 78222

(n,d) α

78-Pt-189

Radionuclide Production Cross Section



75-Re-184g
75-Re-184m5