

Program EVALPLOT
(Version 2015-2)

by

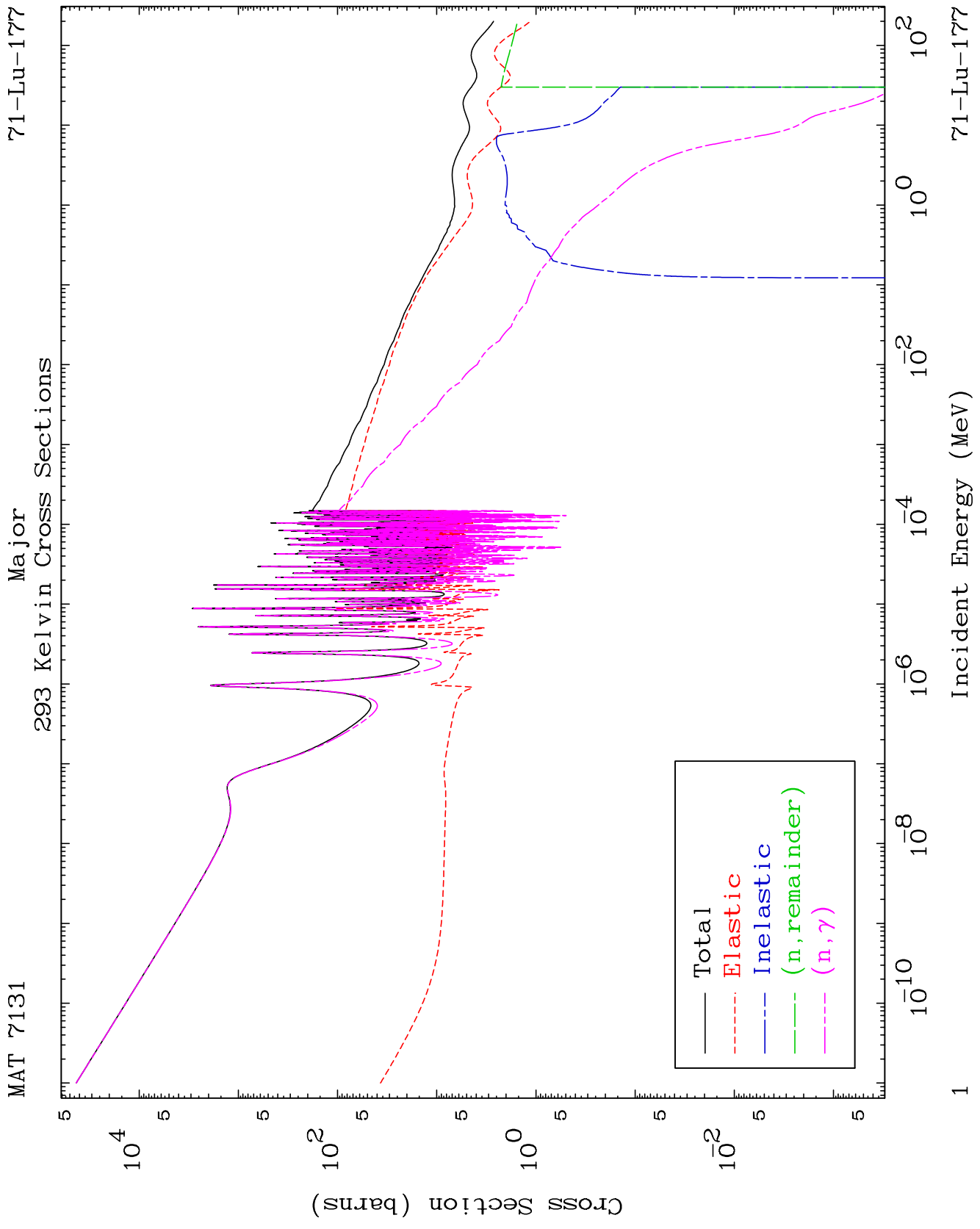
Dermott E. Cullen
(Present Contact Information)

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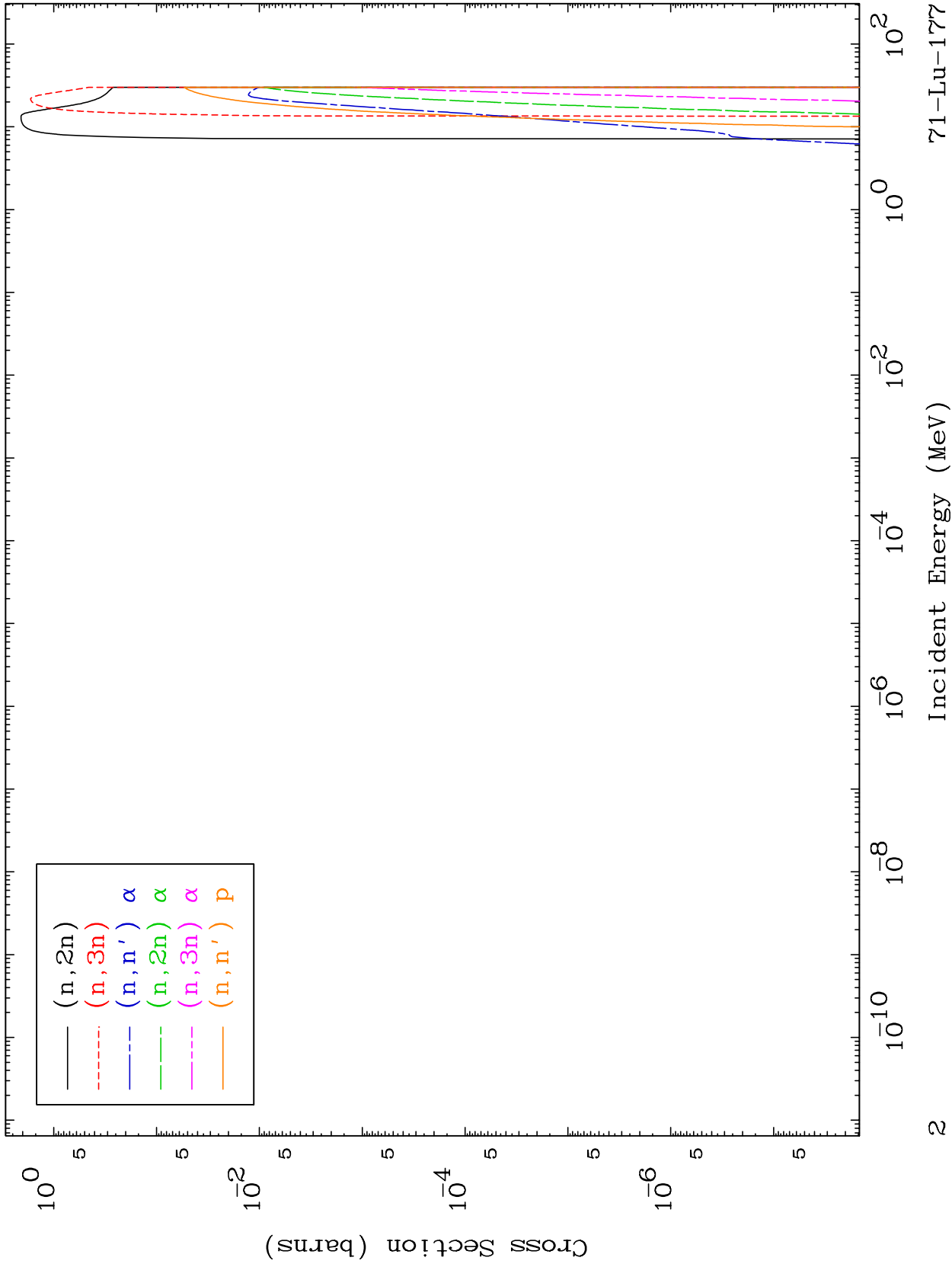
Press Mouse Button to Start

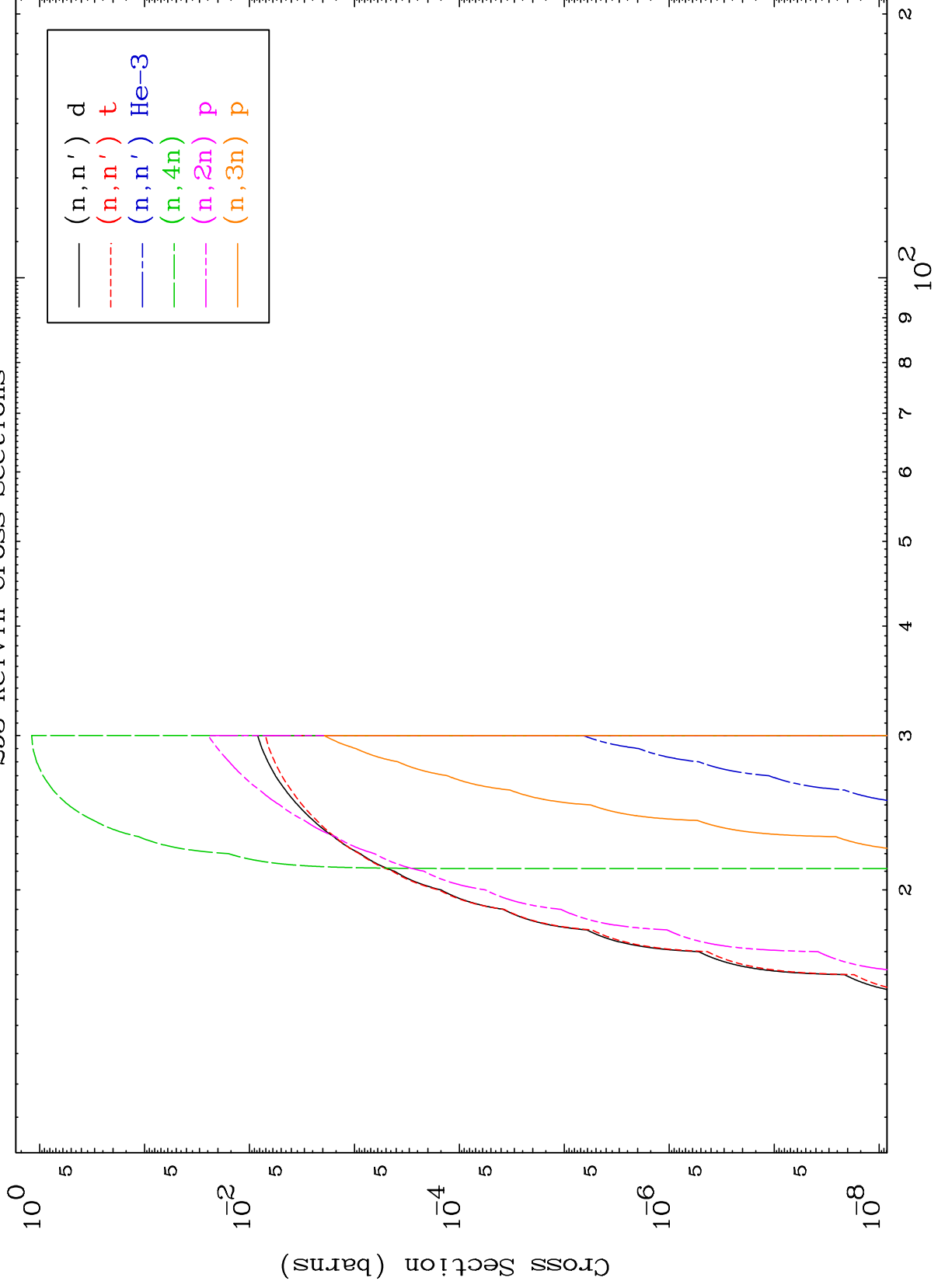


MAT 7131

Neutron Production
293 Kelvin Cross Sections

71-Lu-177

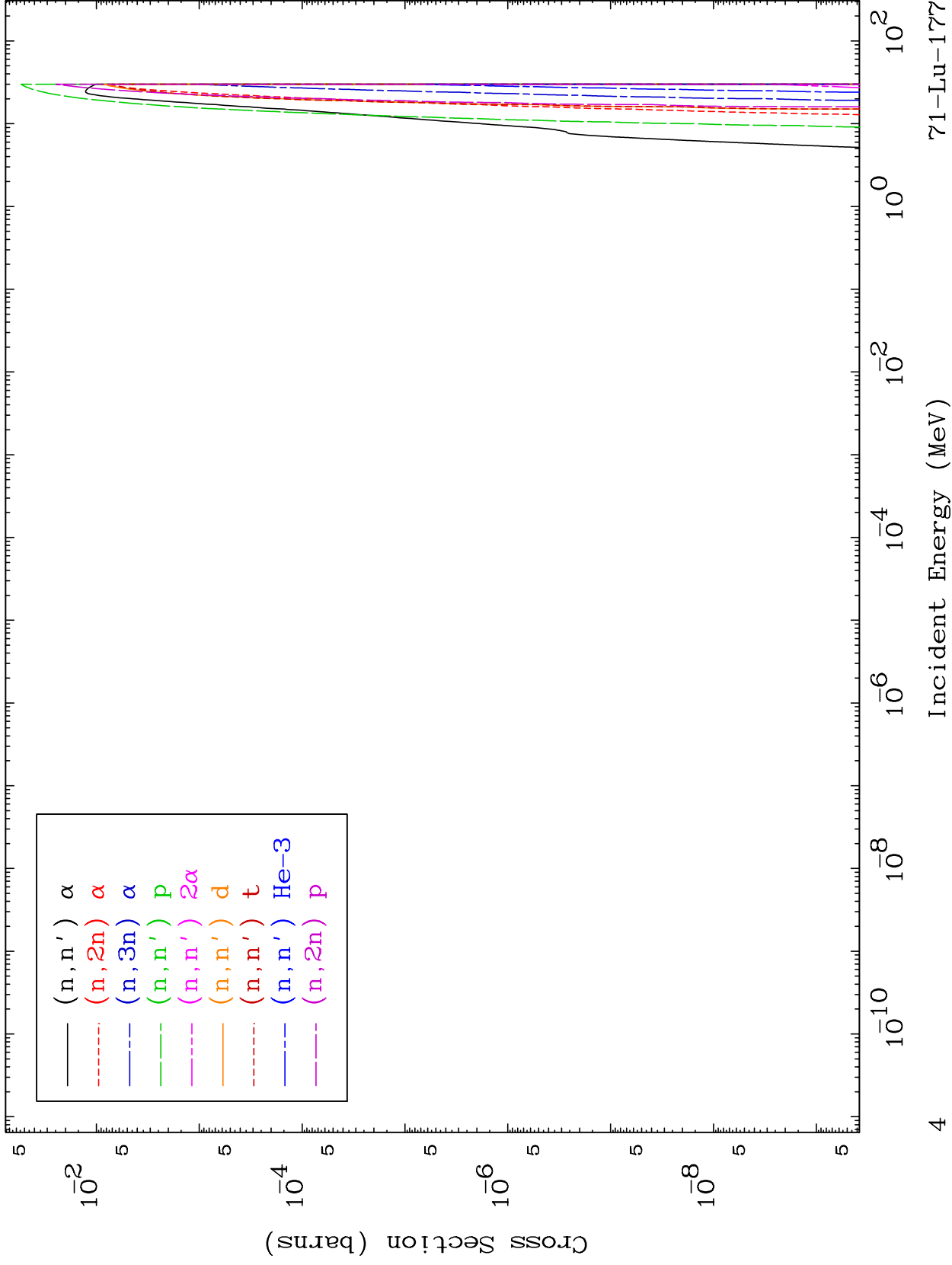




MAT 7131

Charged Particle
293 Kelvin Cross Sections

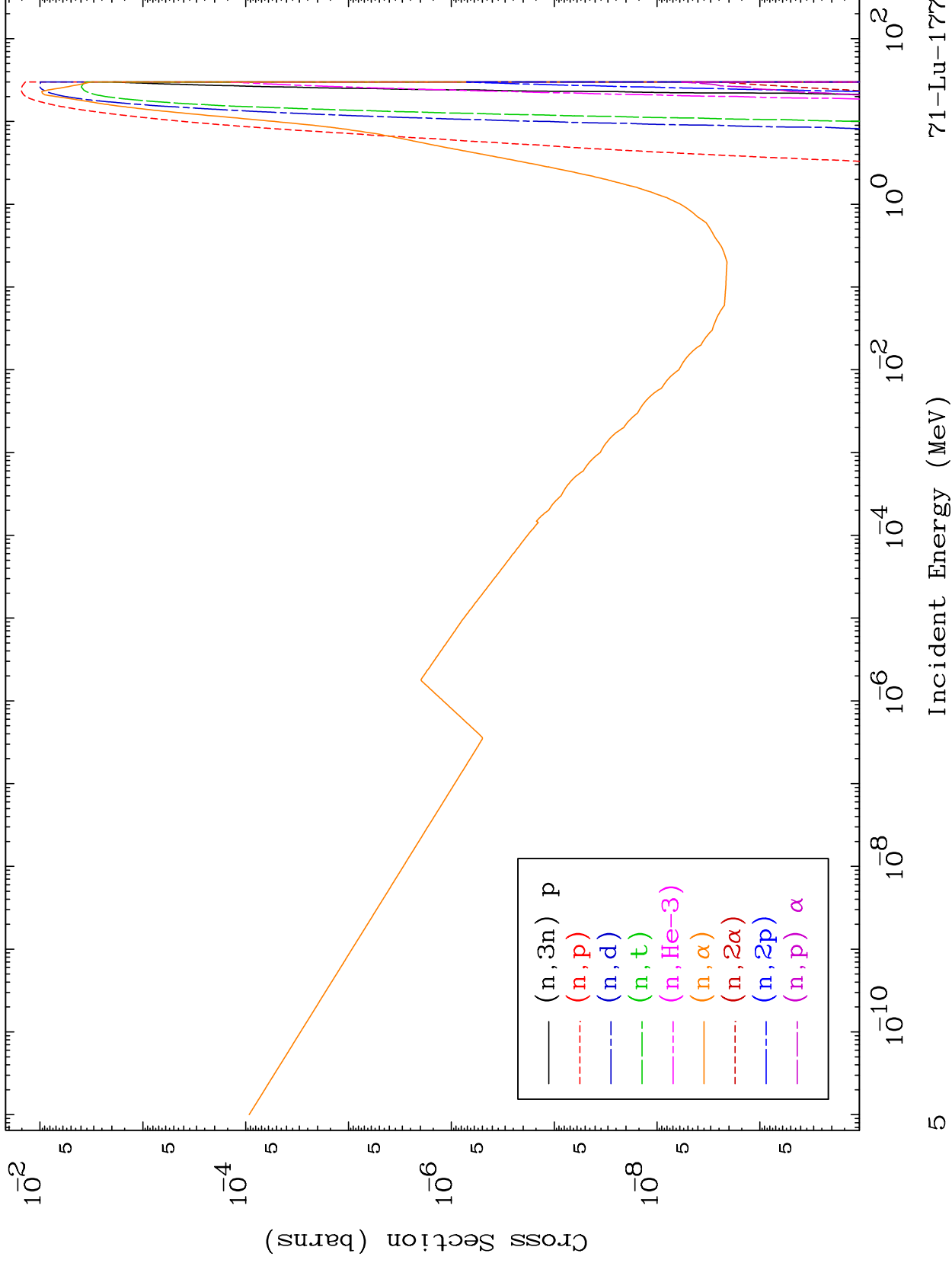
71-Lu-177

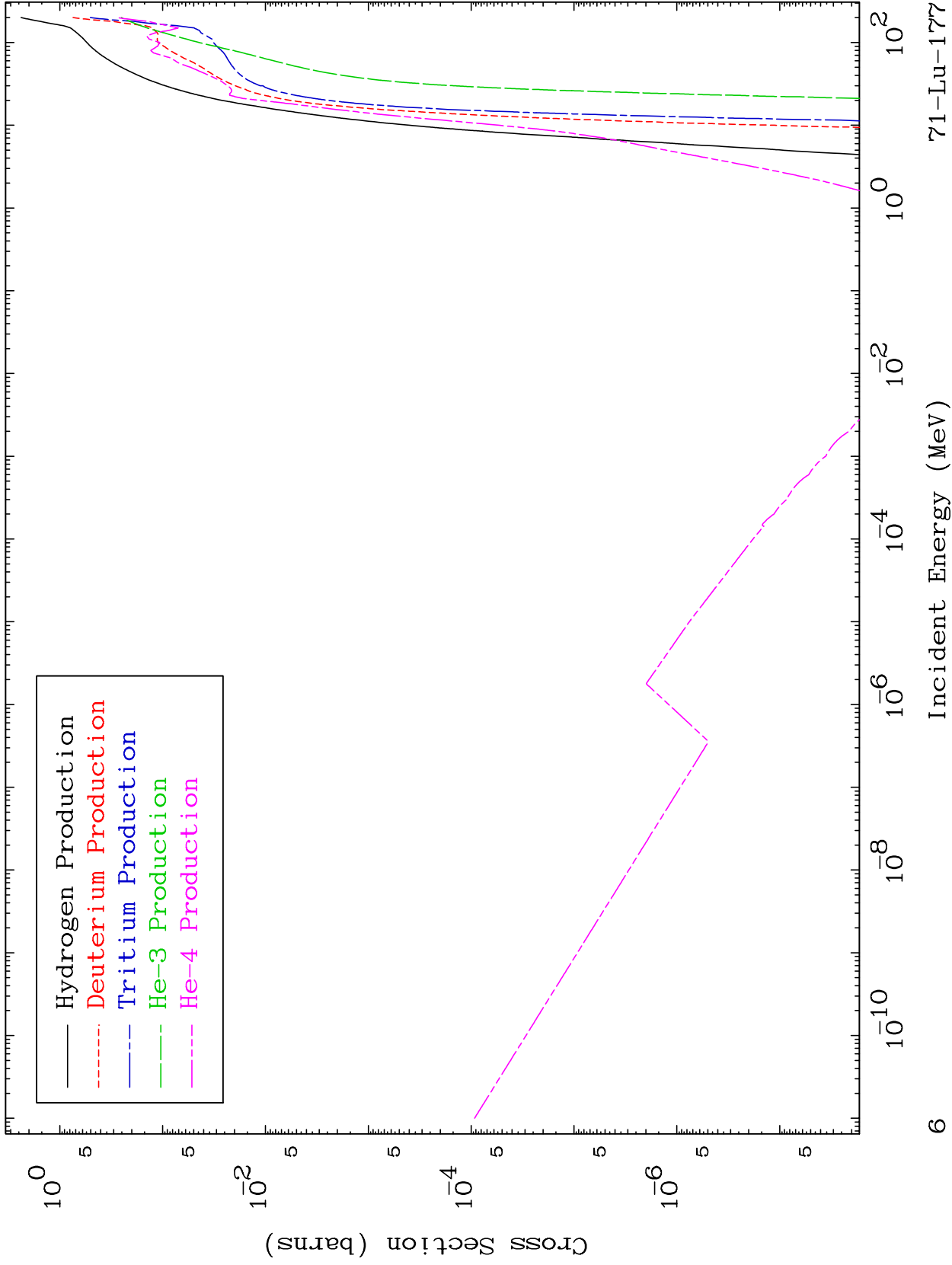


MAT 7131

Charged Particle
293 Kelvin Cross Sections

71-Lu-177

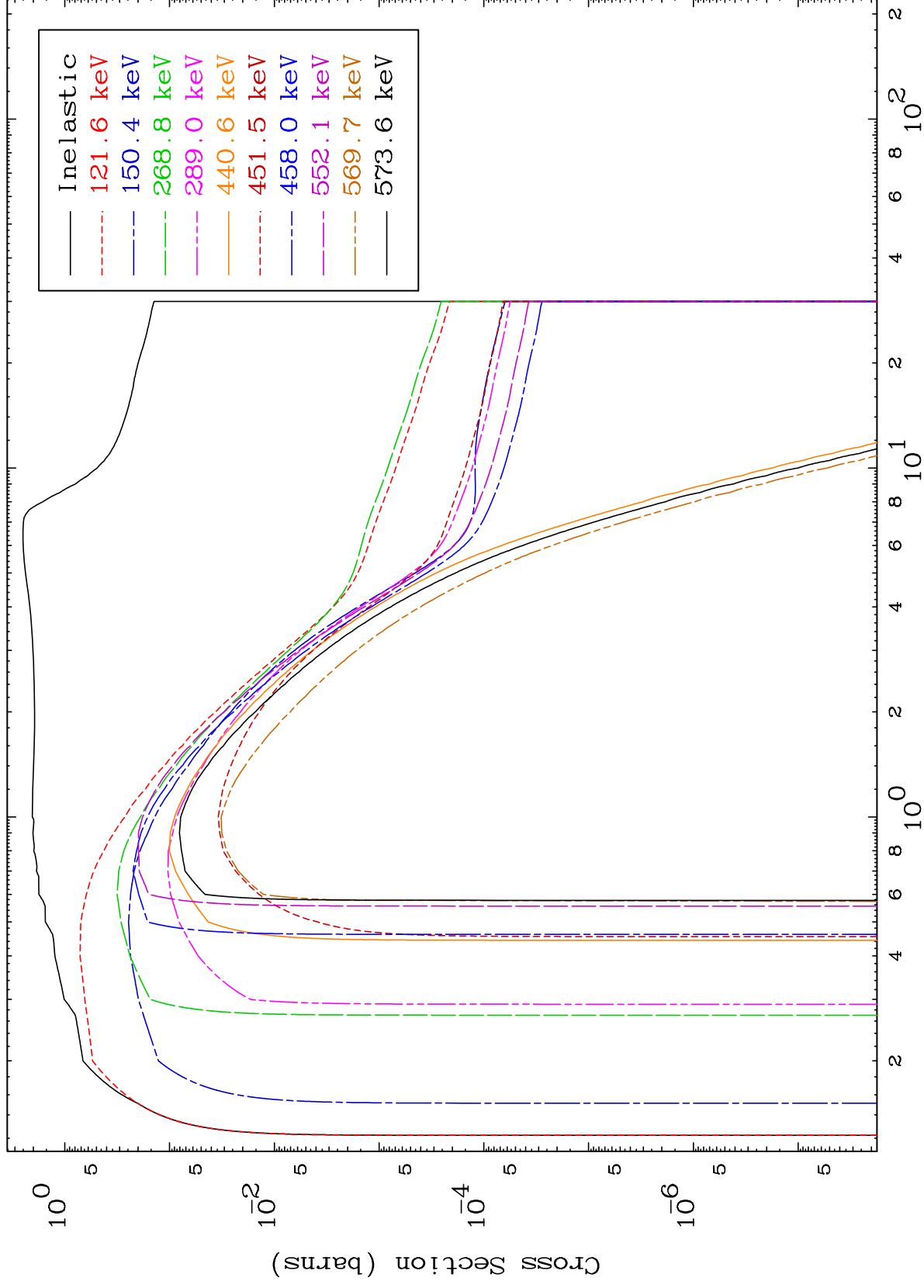




MAT 7131

(n,n') Level
293 Kelvin Cross Sections

71-Lu-177



7

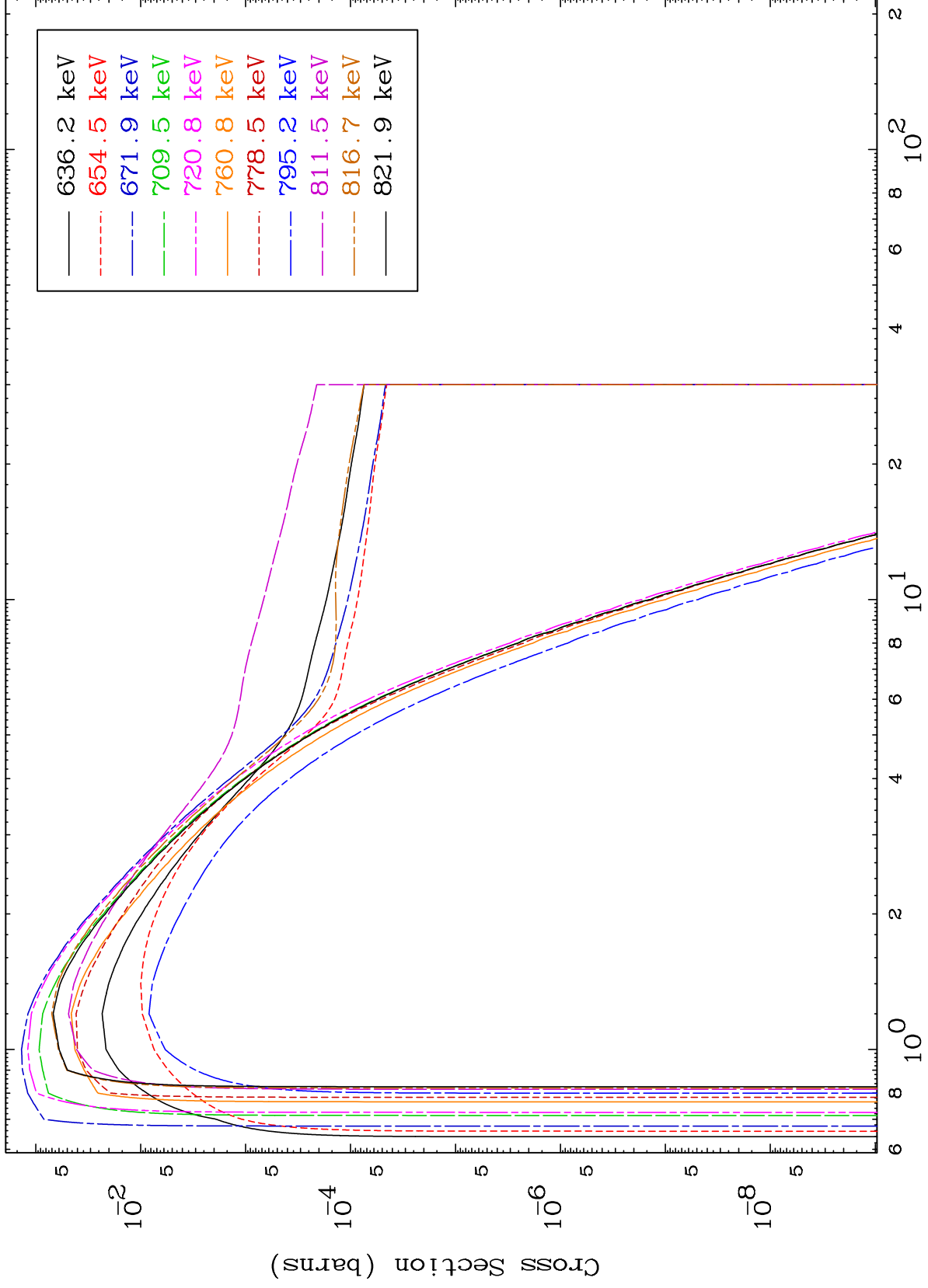
Incident Energy (MeV)

71-Lu-177

MAT 7131

(n,n') Level
293 Kelvin Cross Sections

71-Lu-177



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Incident Energy (MeV)

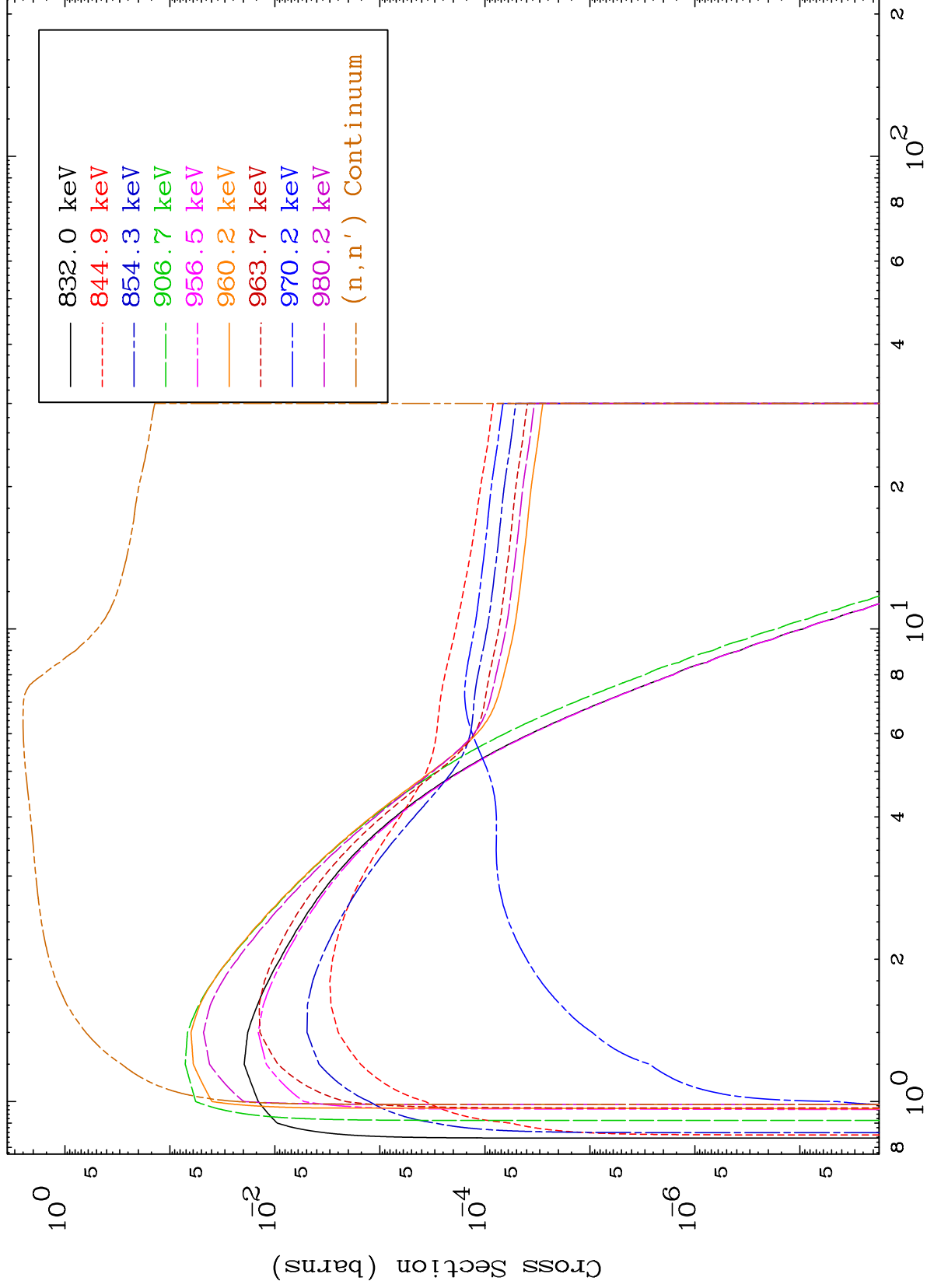
71-Lu-177

MAT 7131

(n,n') Level

71-Lu-177

293 Kelvin Cross Sections



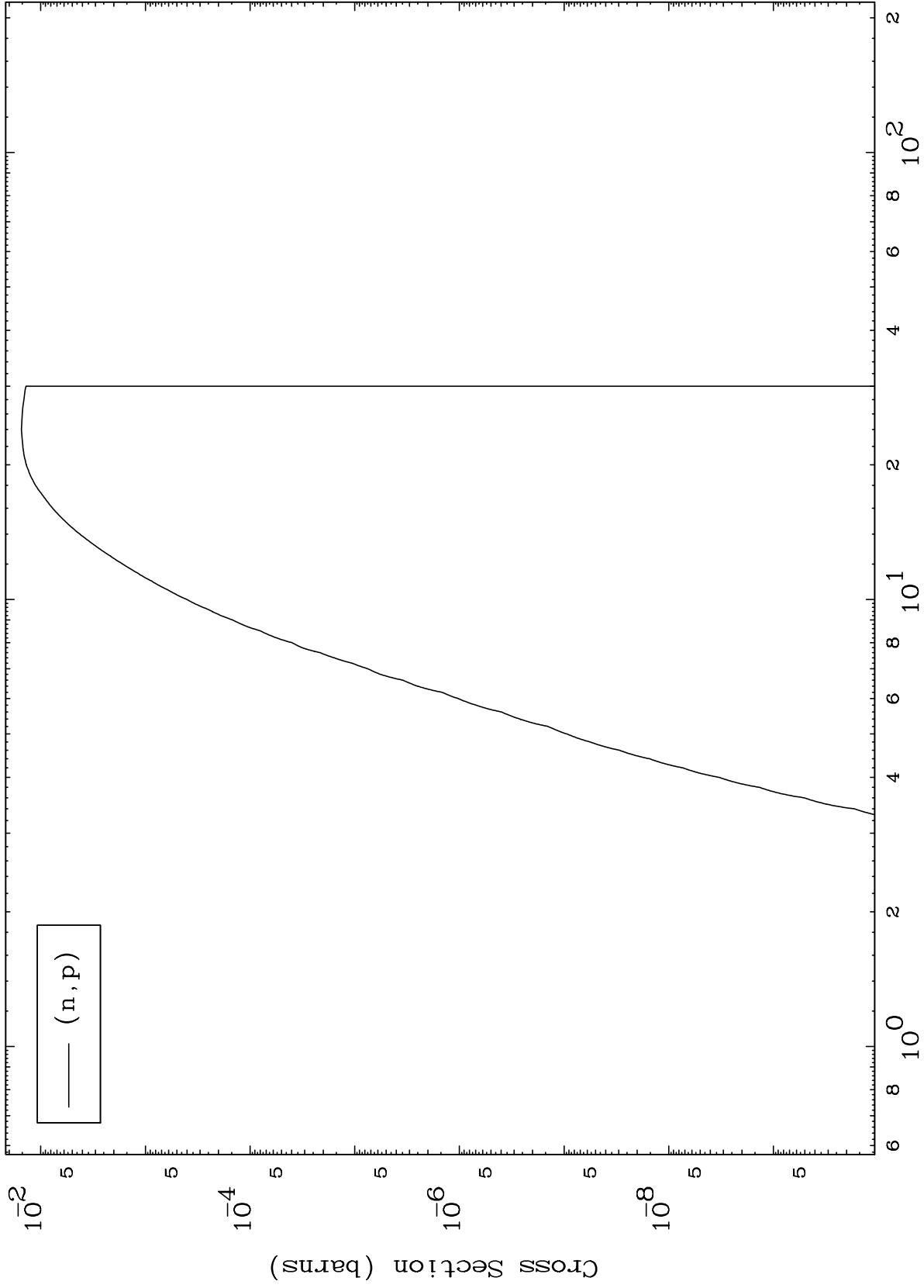
Incident Energy (MeV)

71-Lu-177

MAT 7131

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-177



10

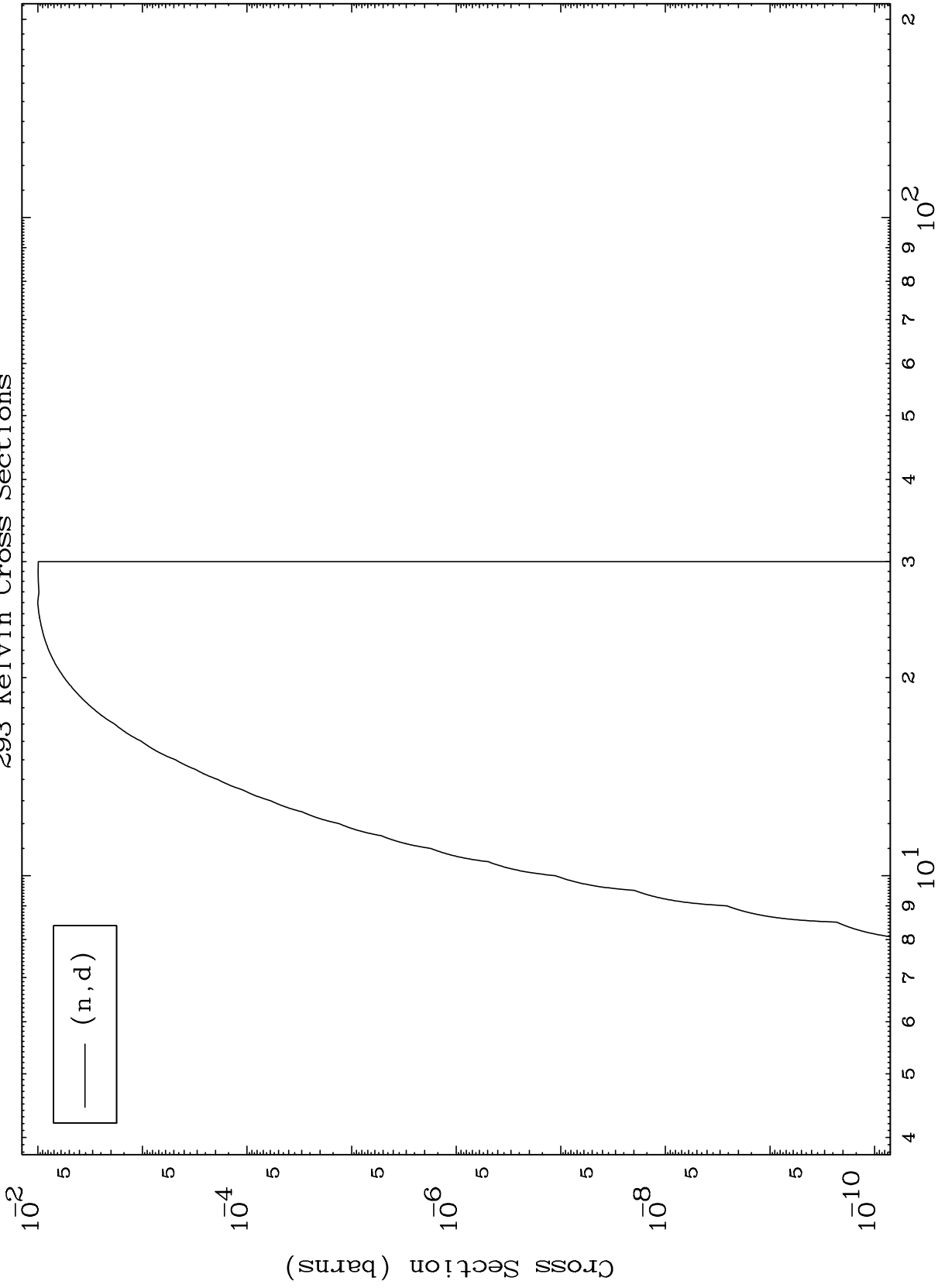
Incident Energy (MeV)

71-Lu-177

MAT 7131

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-177



(n,d)

Incident Energy (MeV)

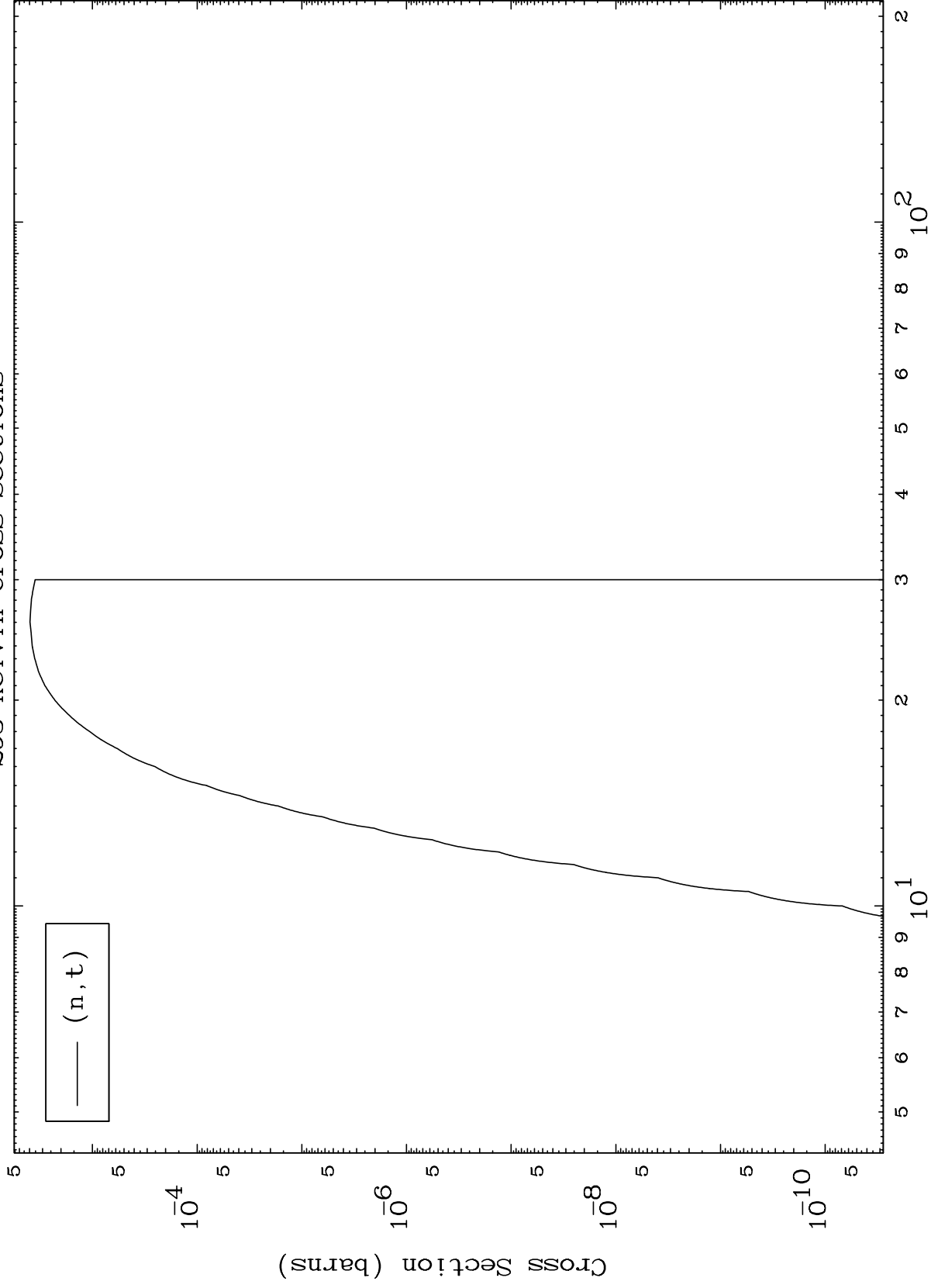
71-Lu-177

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MAT 7131

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-177



12

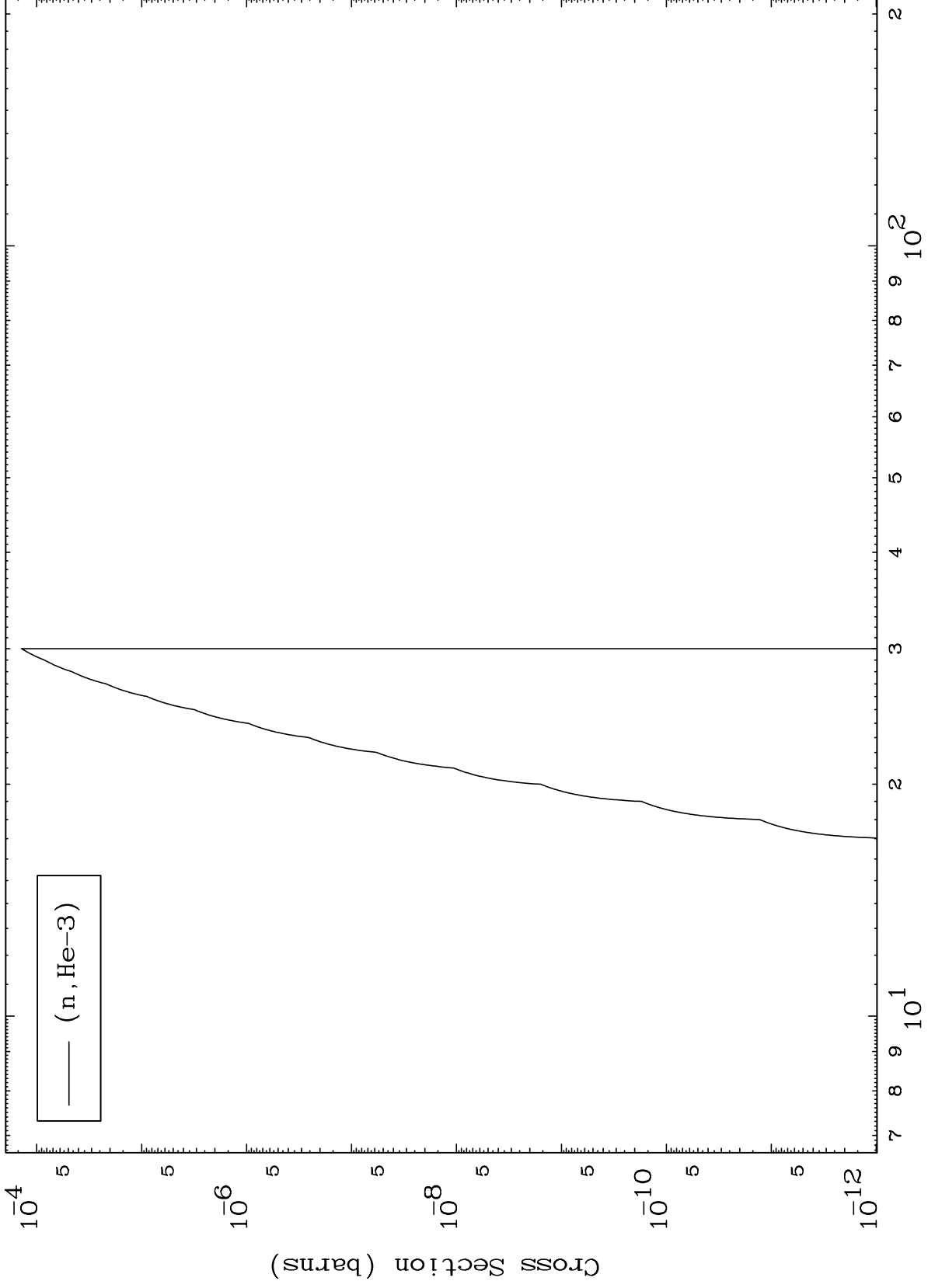
Incident Energy (MeV)

71-Lu-177

MAT 7131

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-177



13

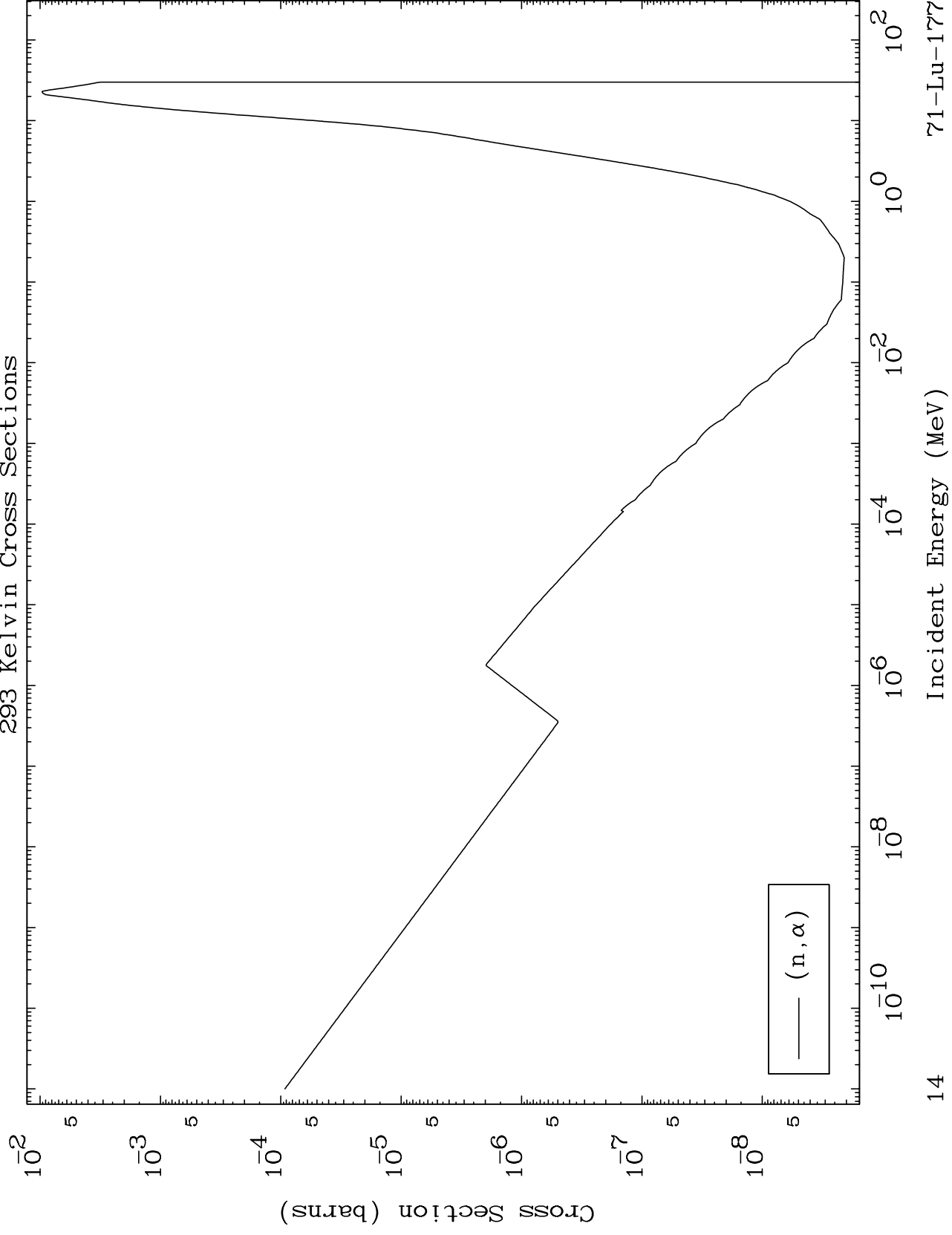
Incident Energy (MeV)

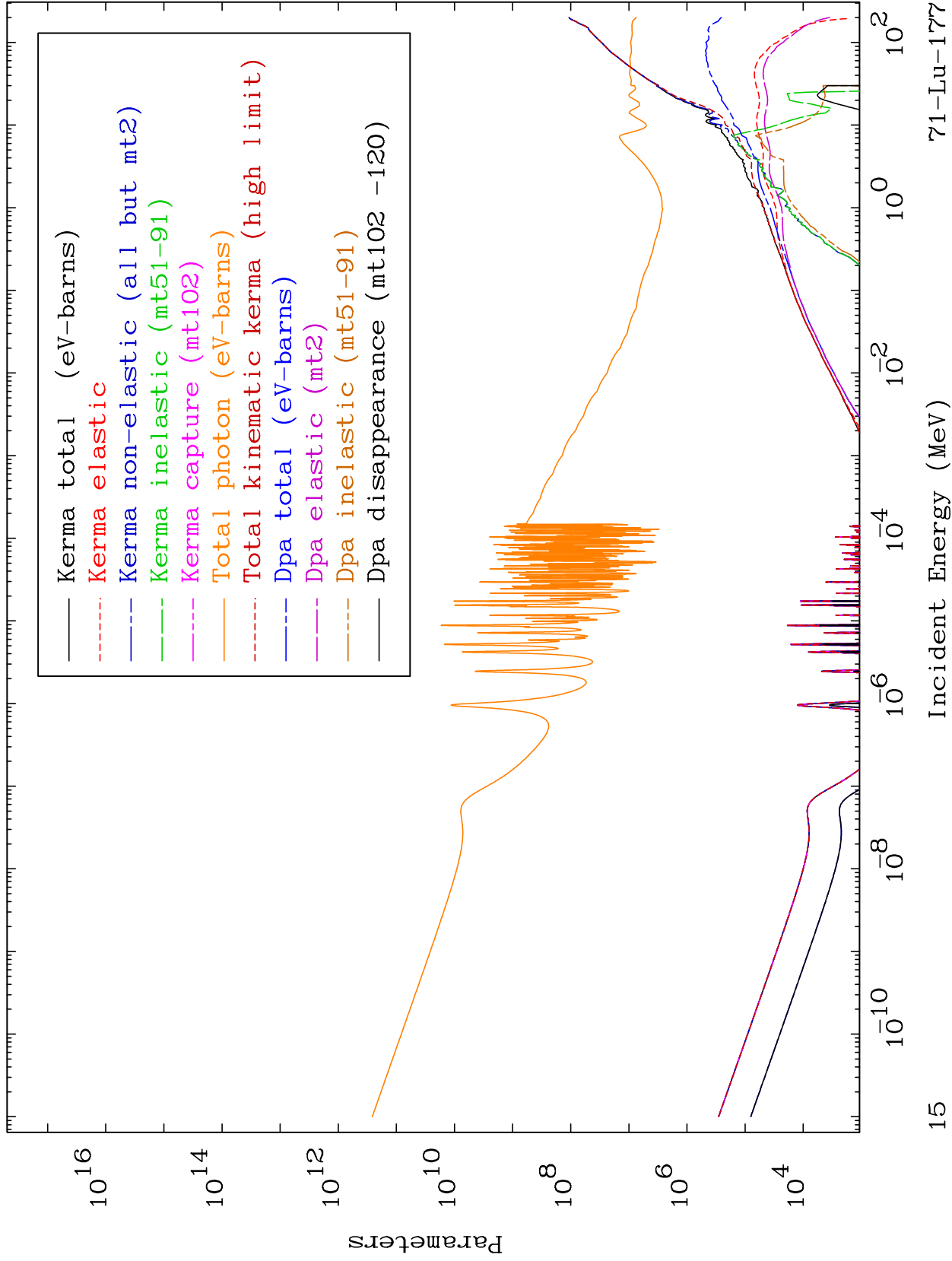
71-Lu-177

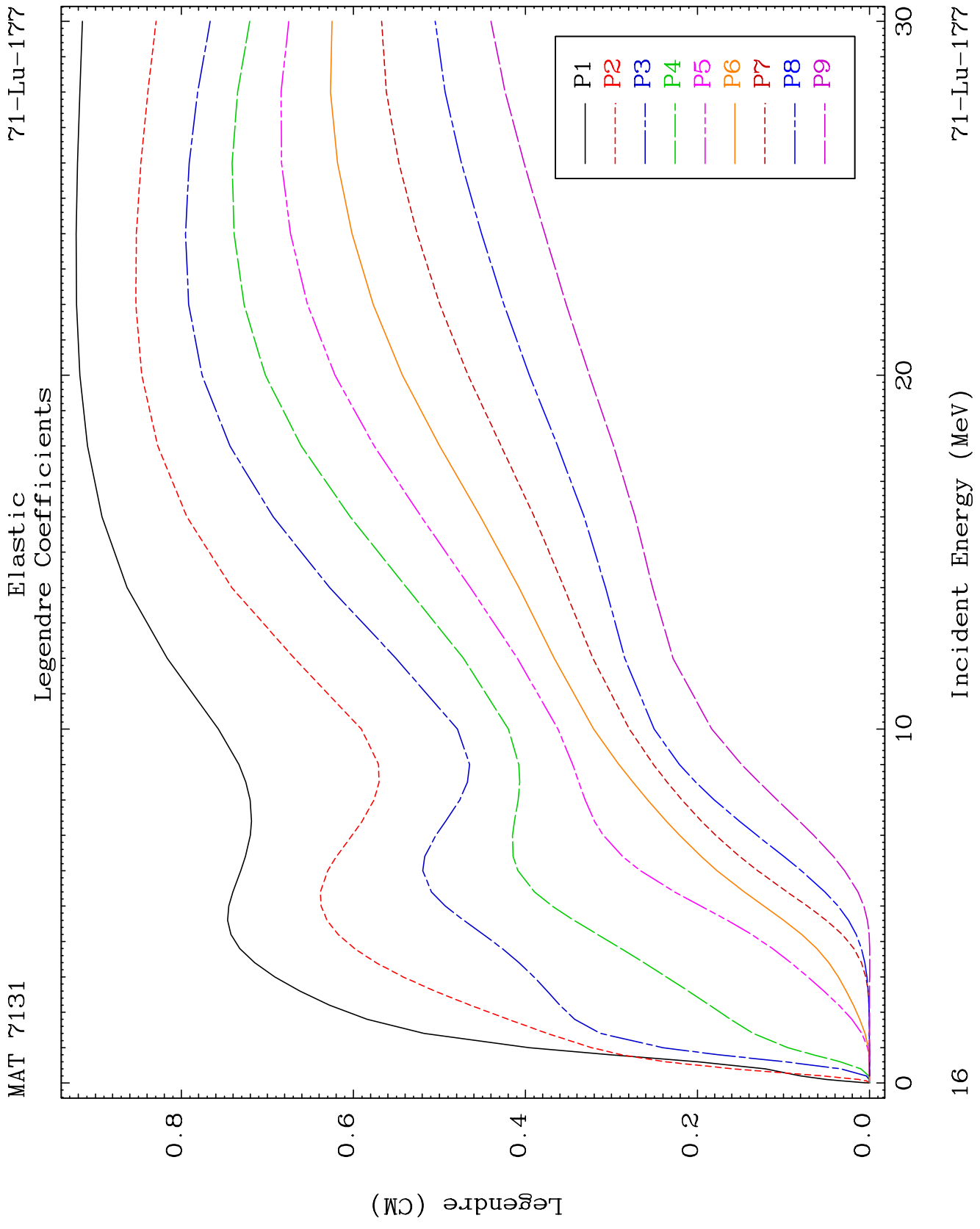
MAT 7131

(n, α) Levels
293 Kelvin Cross Sections

71-Lu-177



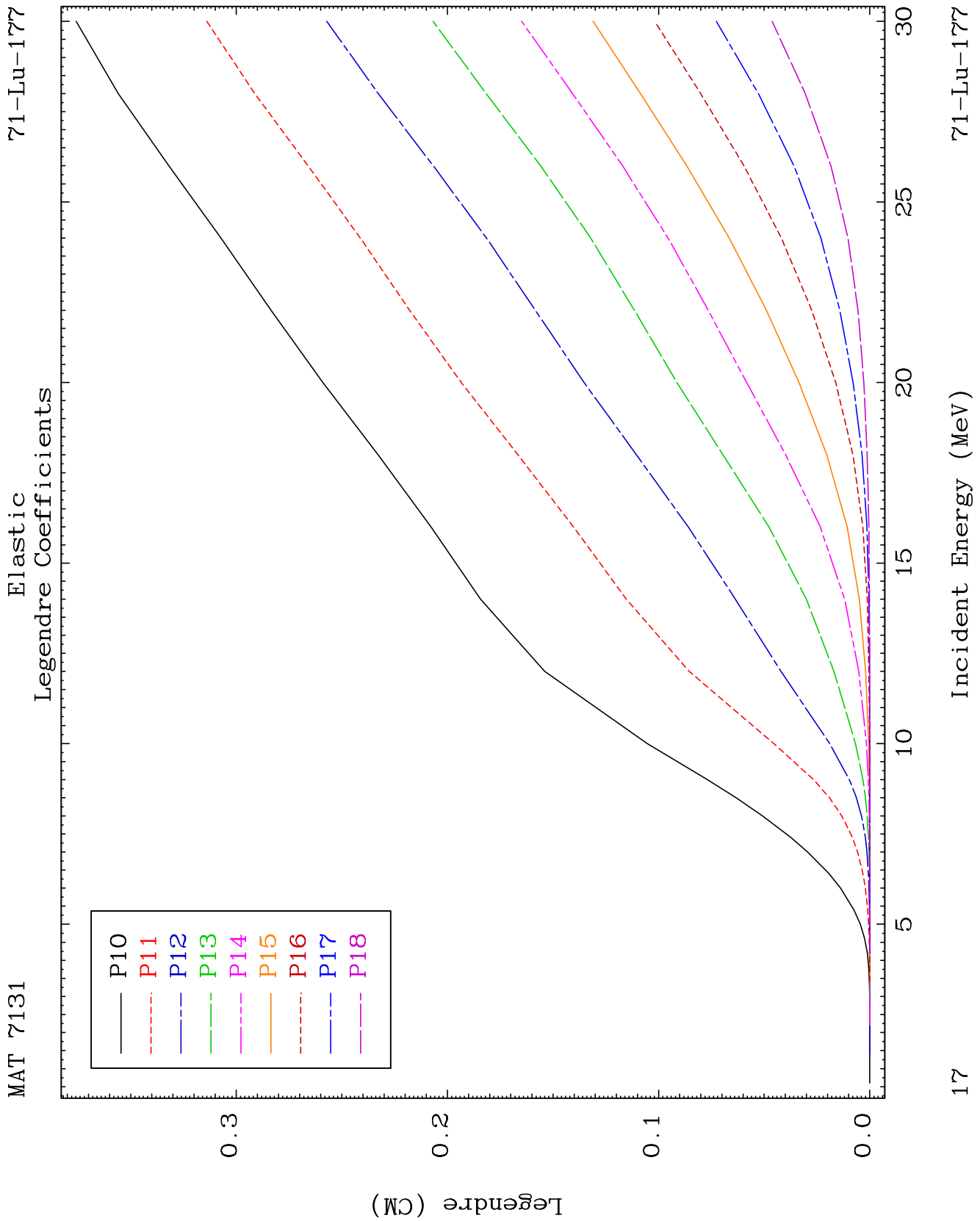




71-Lu-177

Incident Energy (MeV)

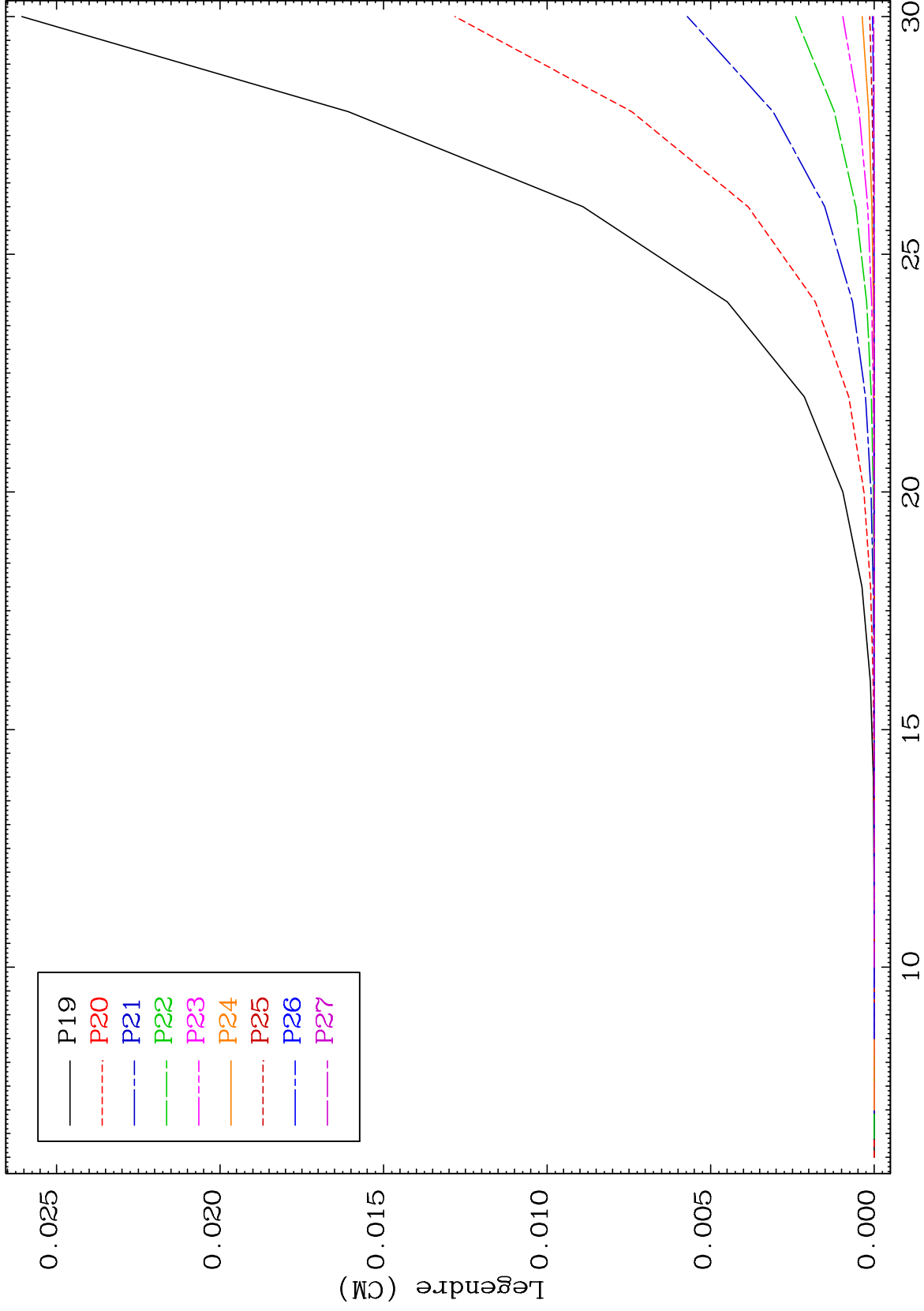
16



MAT 7131

Elastic
Legendre Coefficients

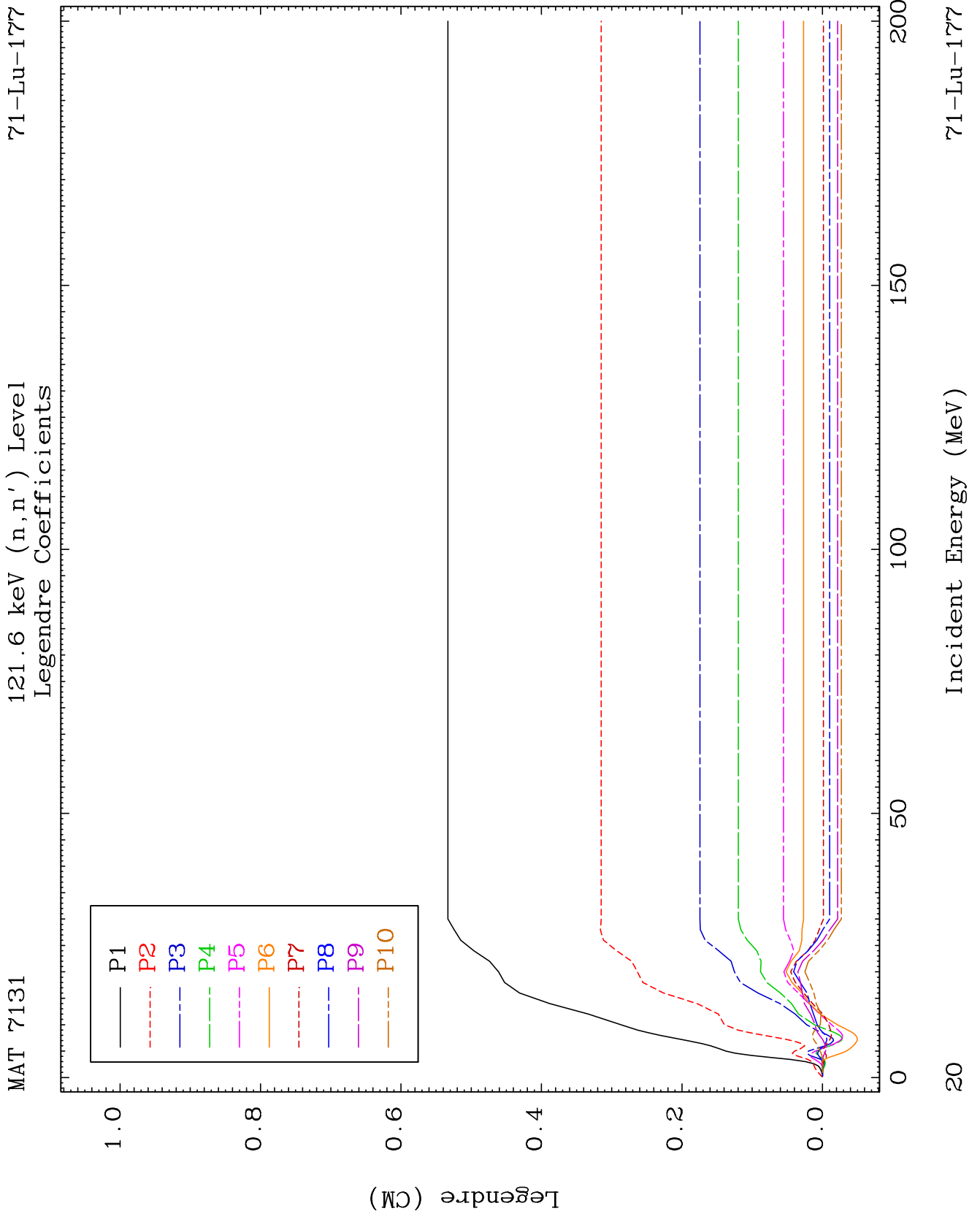
71-Lu-177



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Incident Energy (MeV)

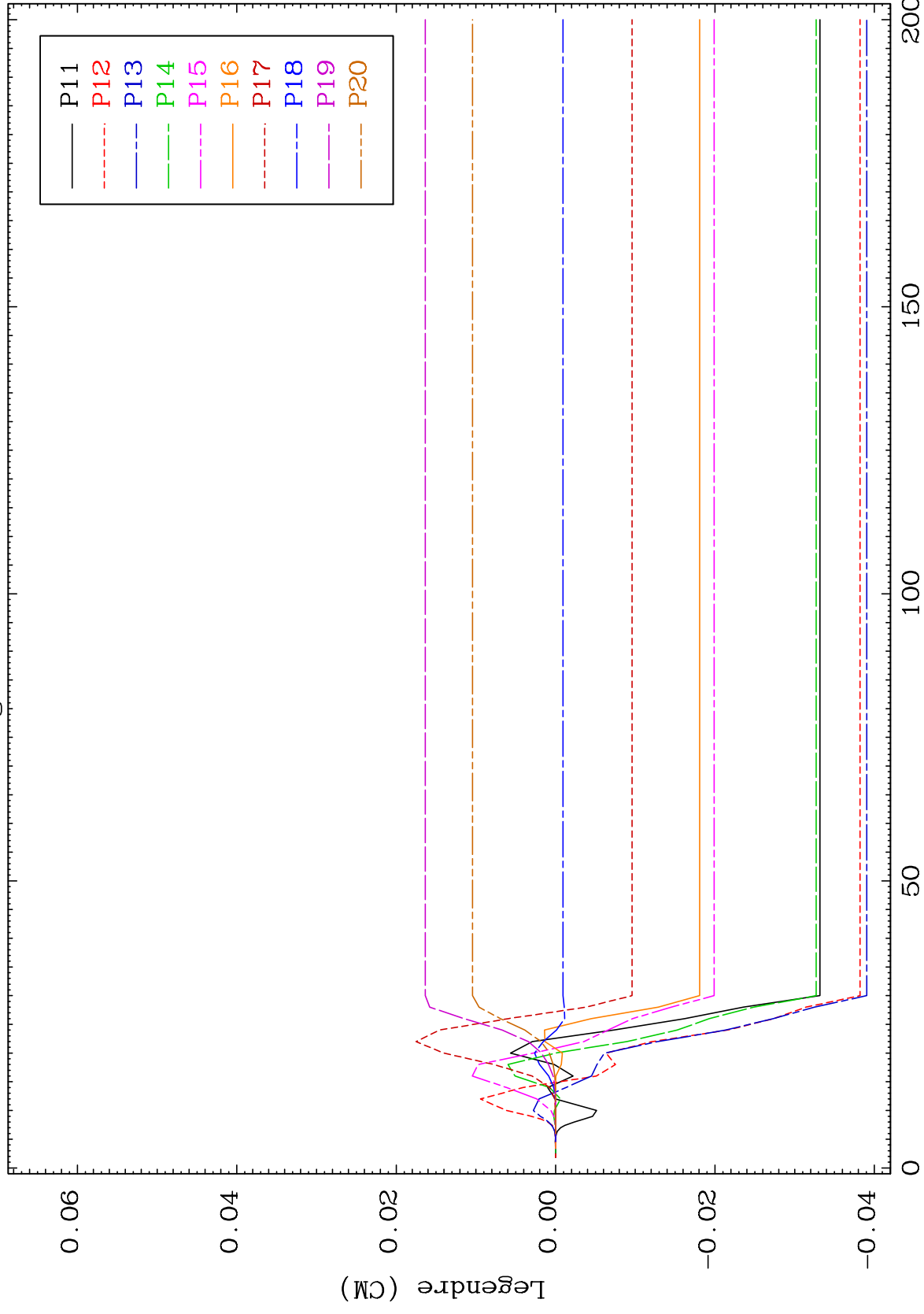
71-Lu-177



MAT 7131

121.6 keV (n,n') Level
Legendre Coefficients

71-Lu-177



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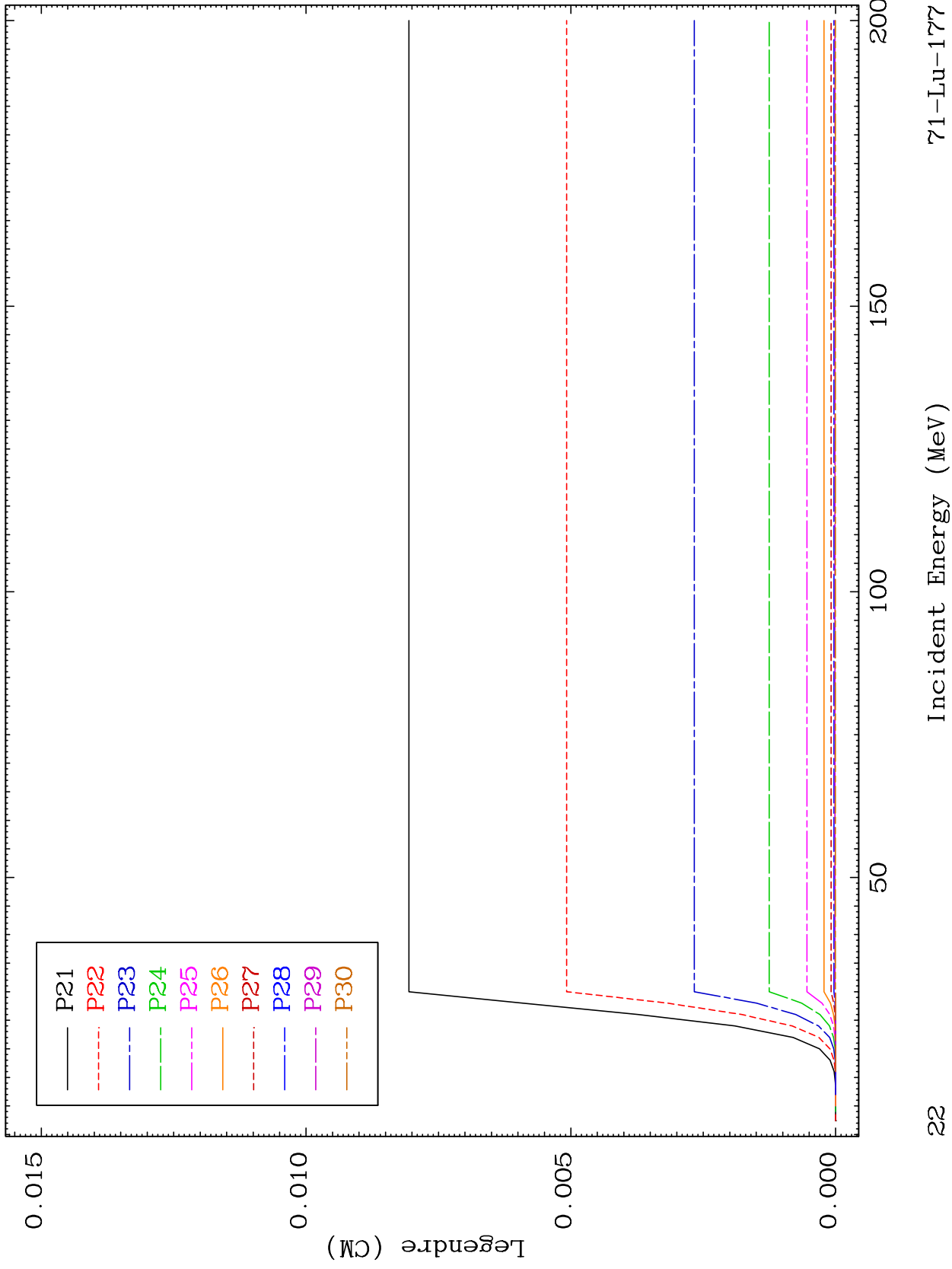
Incident Energy (MeV)

71-Lu-177

MAT 7131

121.6 keV (n,n') Level
Legendre Coefficients

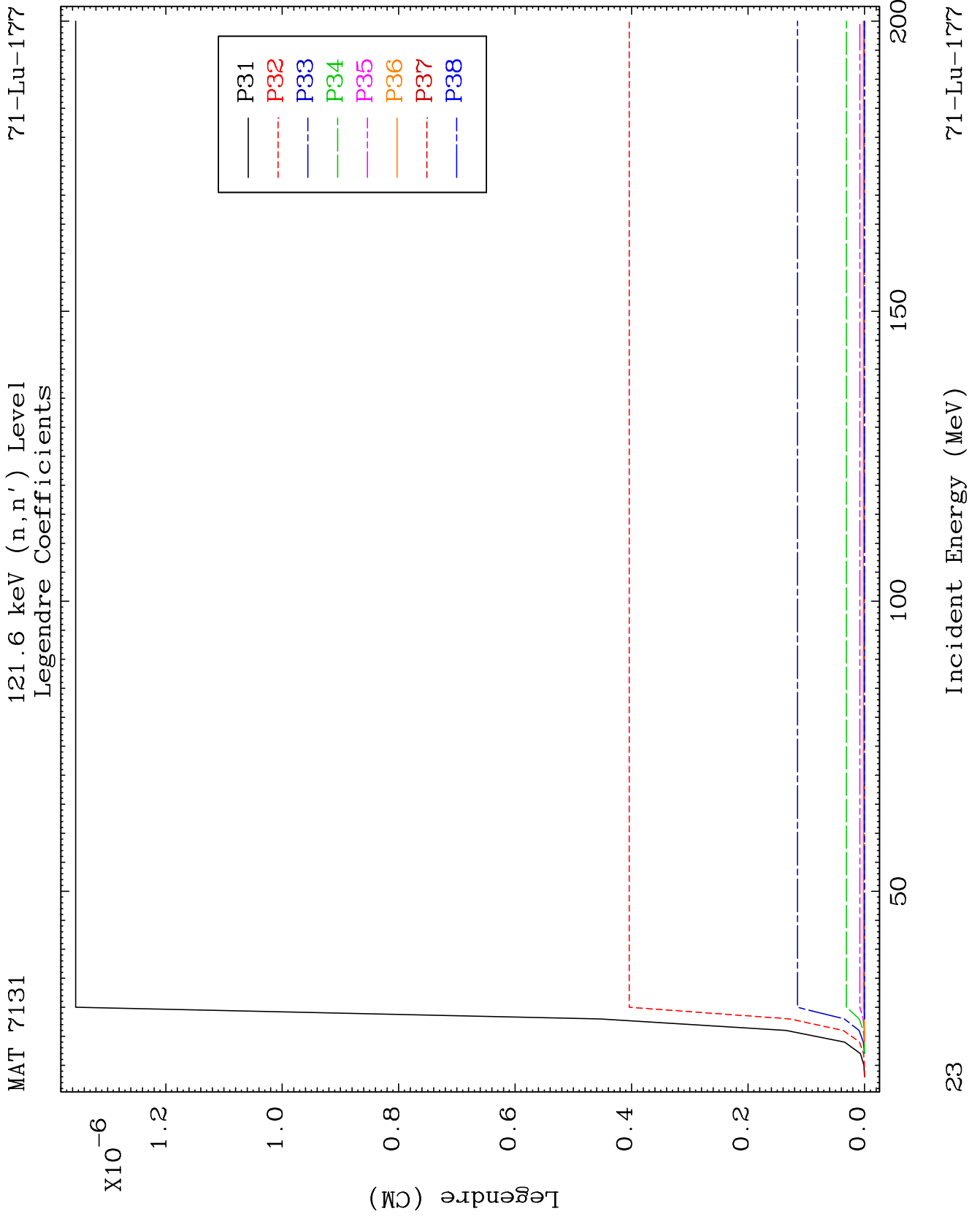
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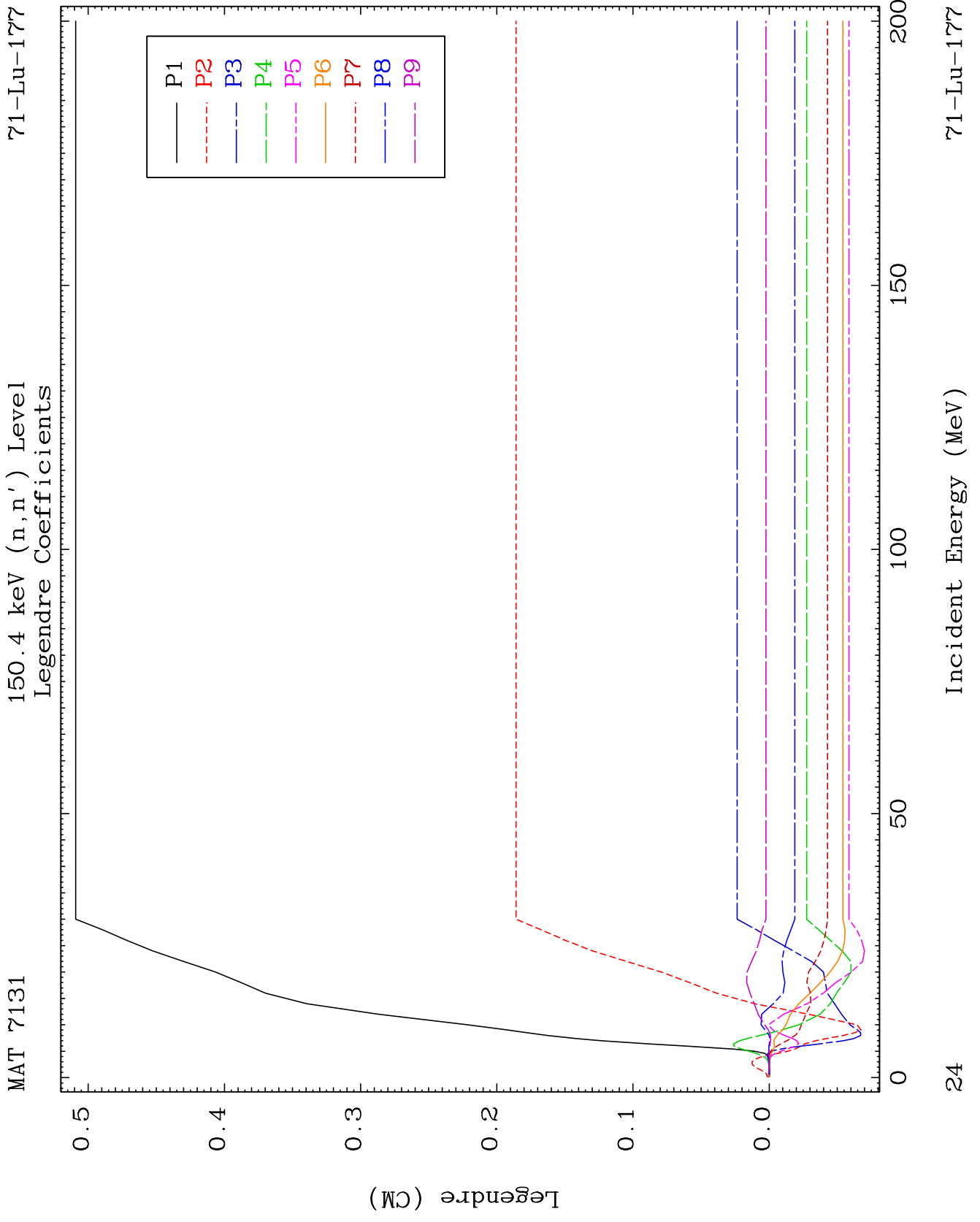


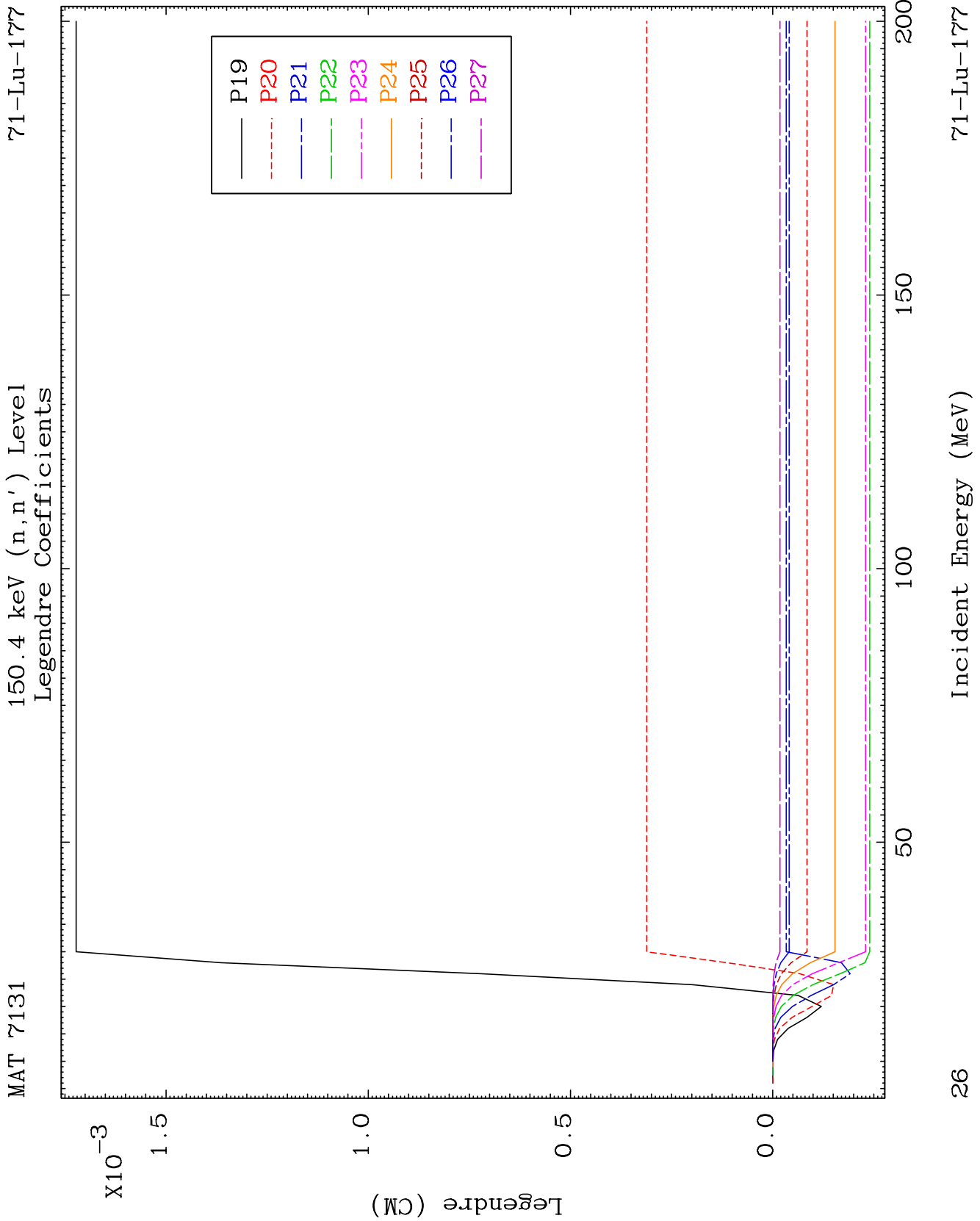
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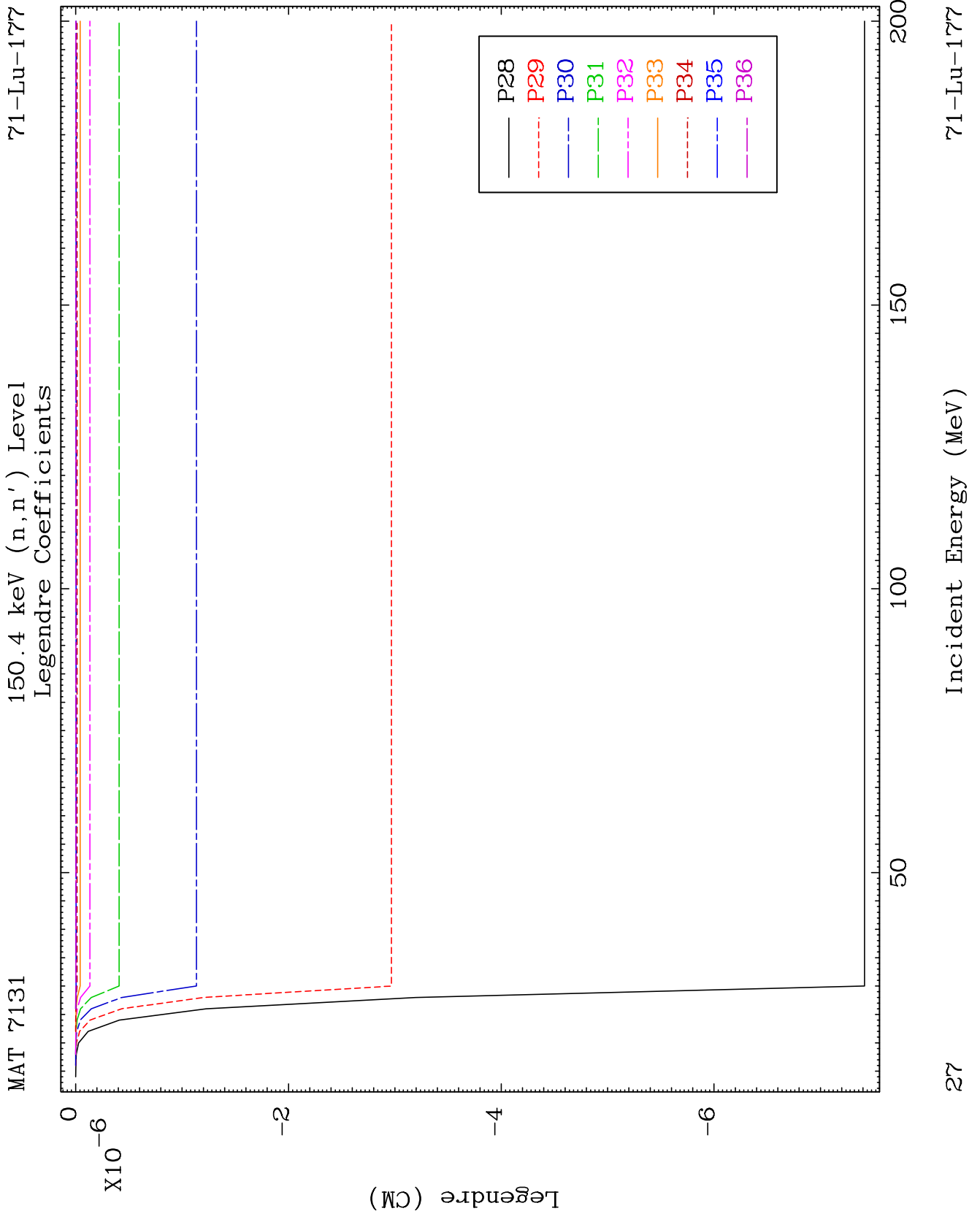
Incident Energy (MeV)

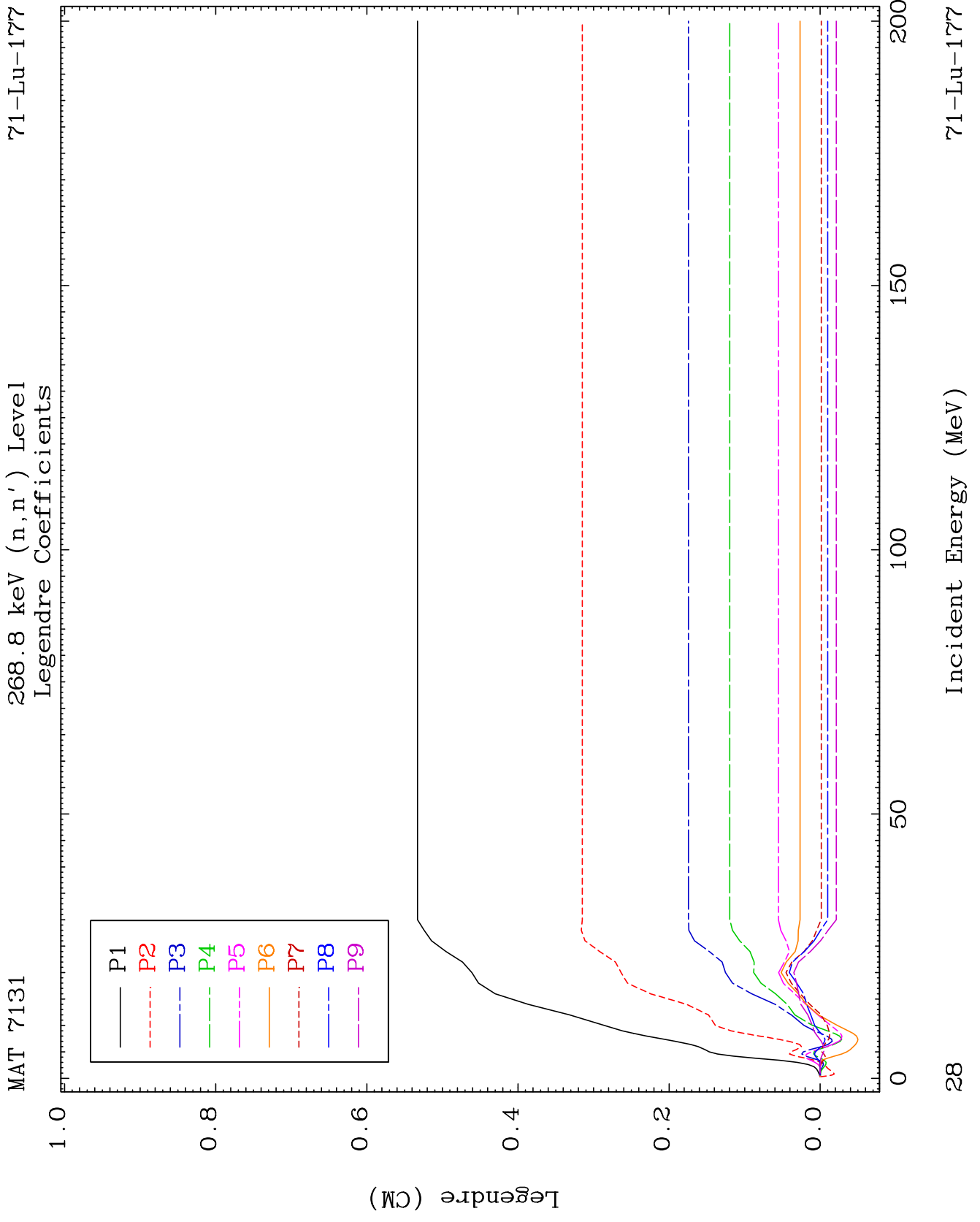
71-Lu-177

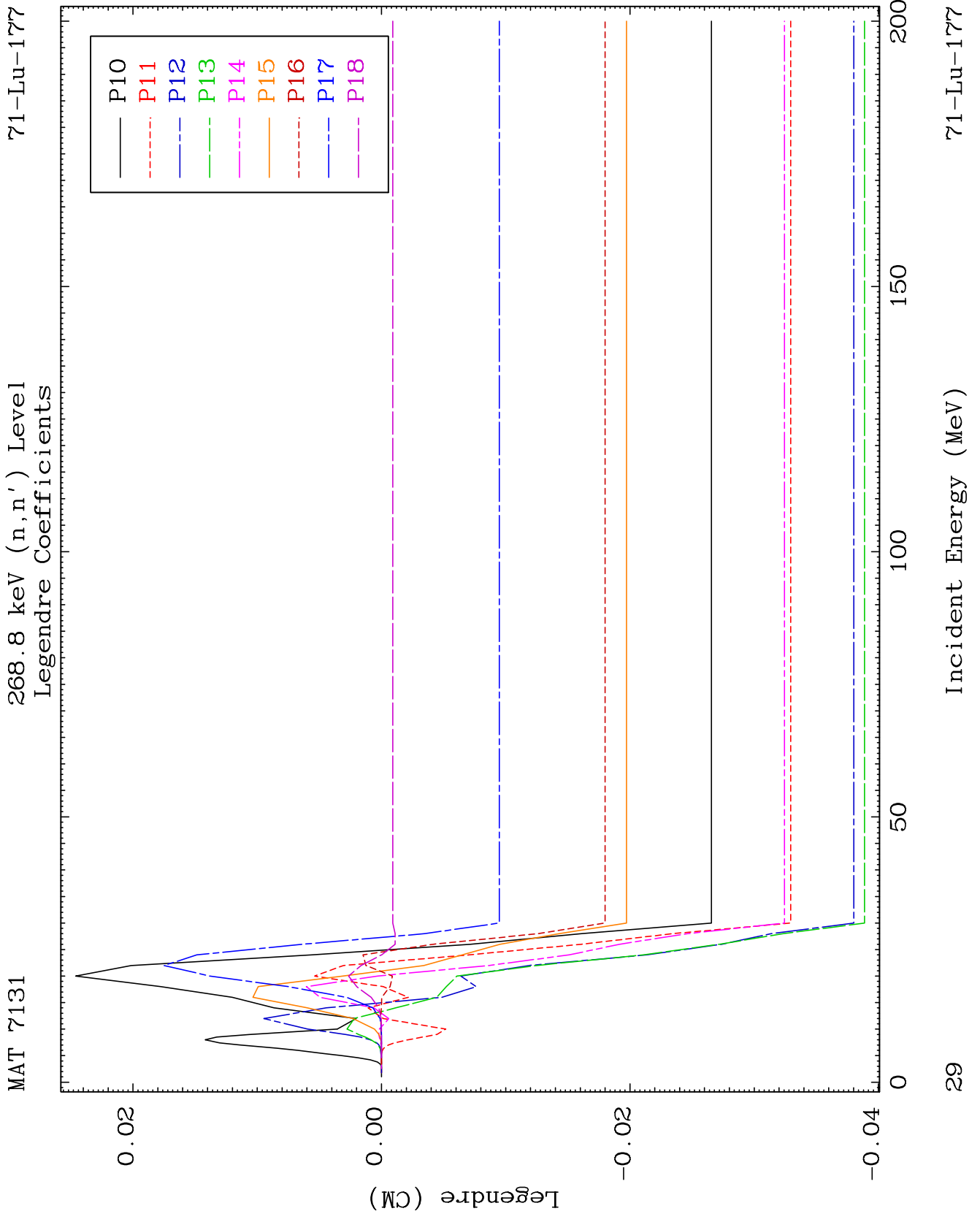








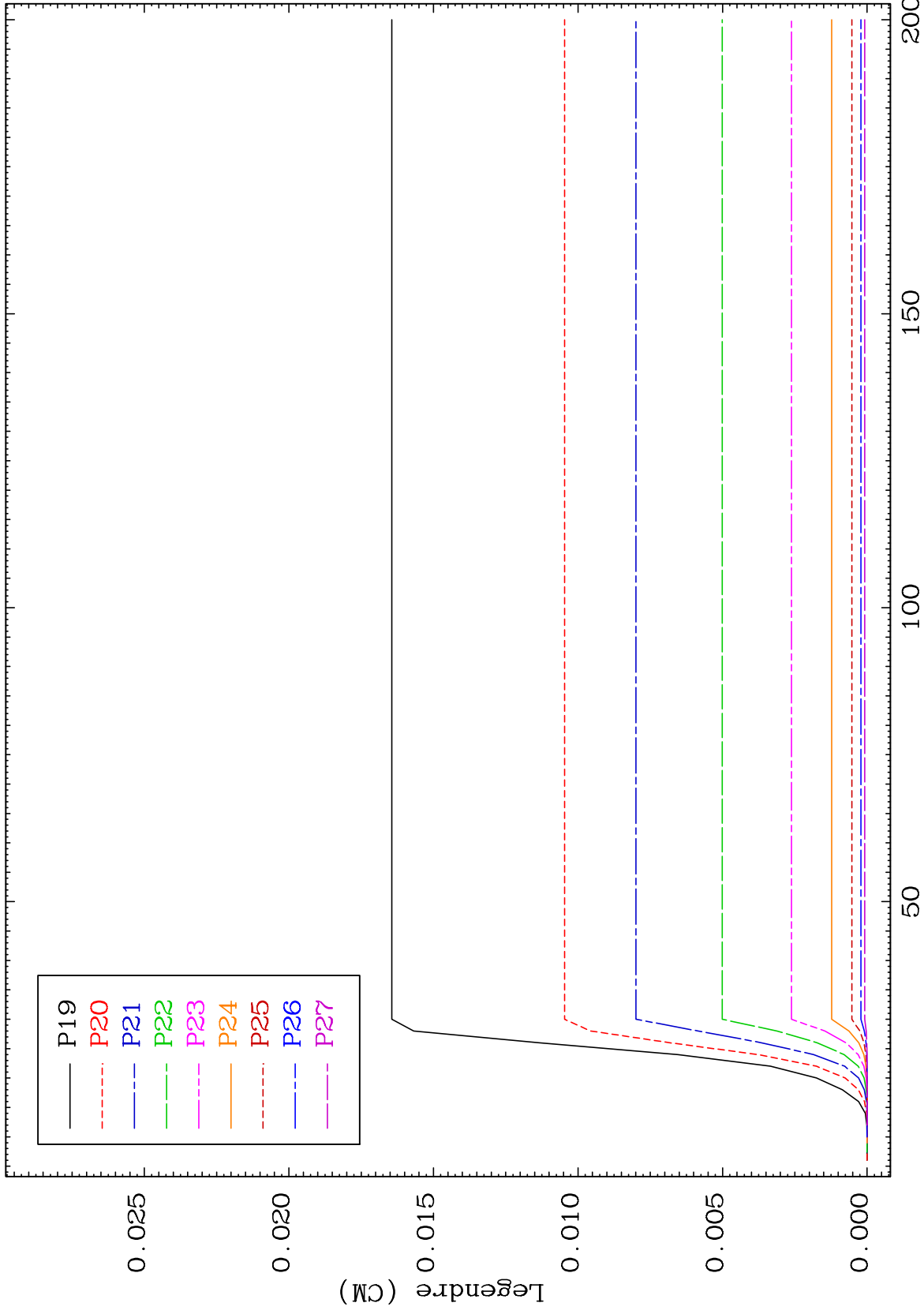




MAT 7131

268.8 keV (n,n') Level
Legendre Coefficients

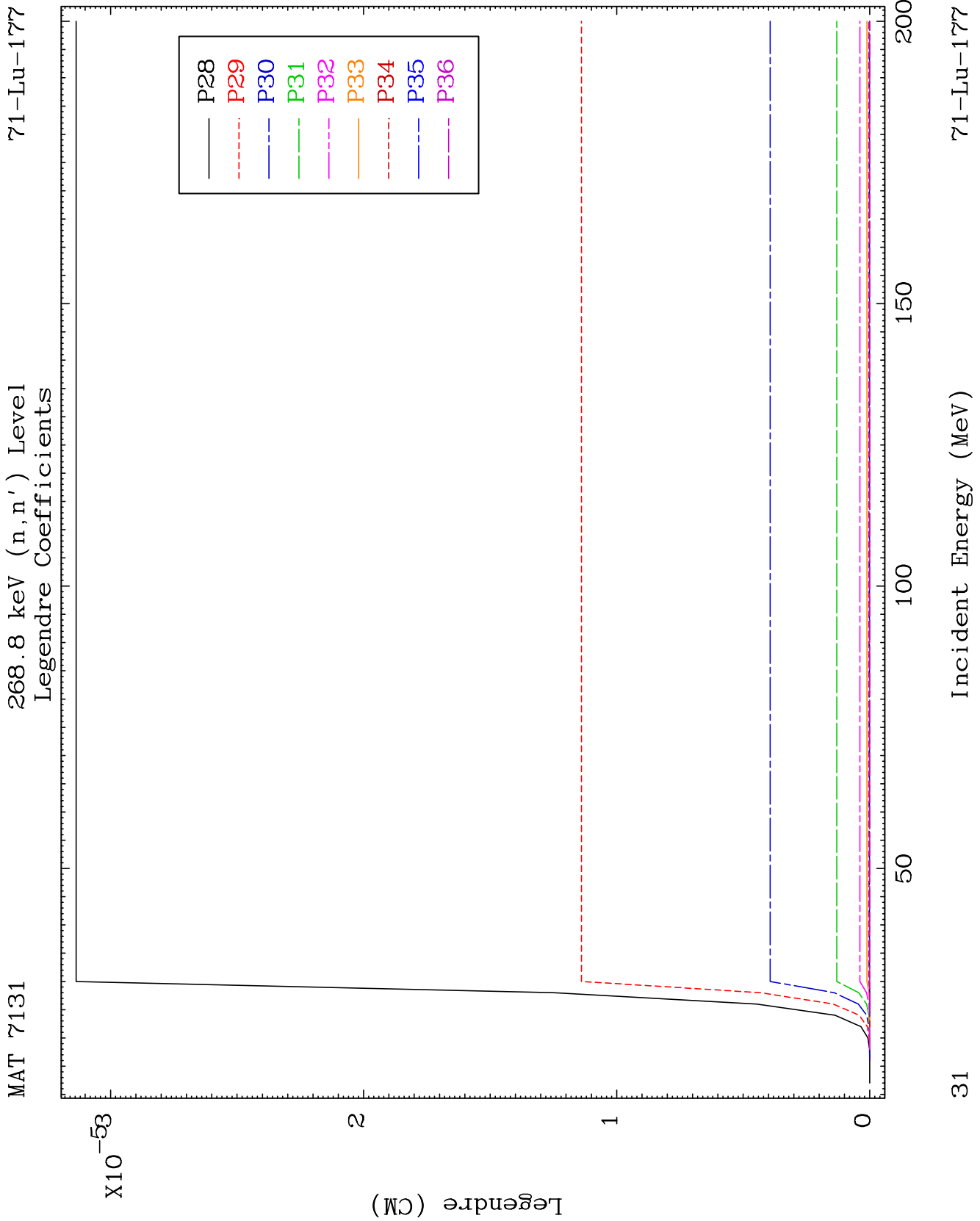
71-Lu-177



71-Lu-177

Incident Energy (MeV)

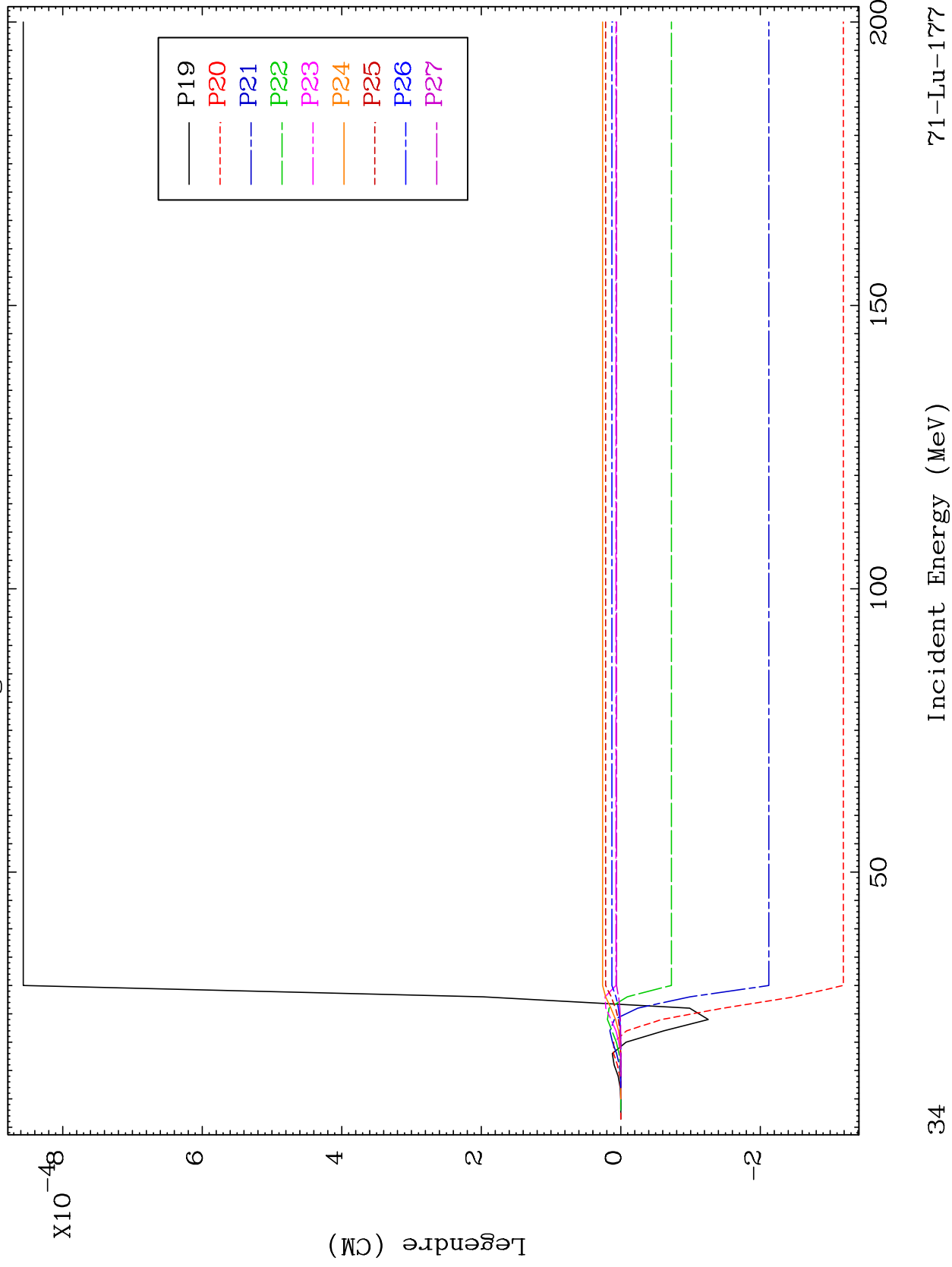
30



MAT 7131

289.0 keV (n, n') Level
Legendre Coefficients

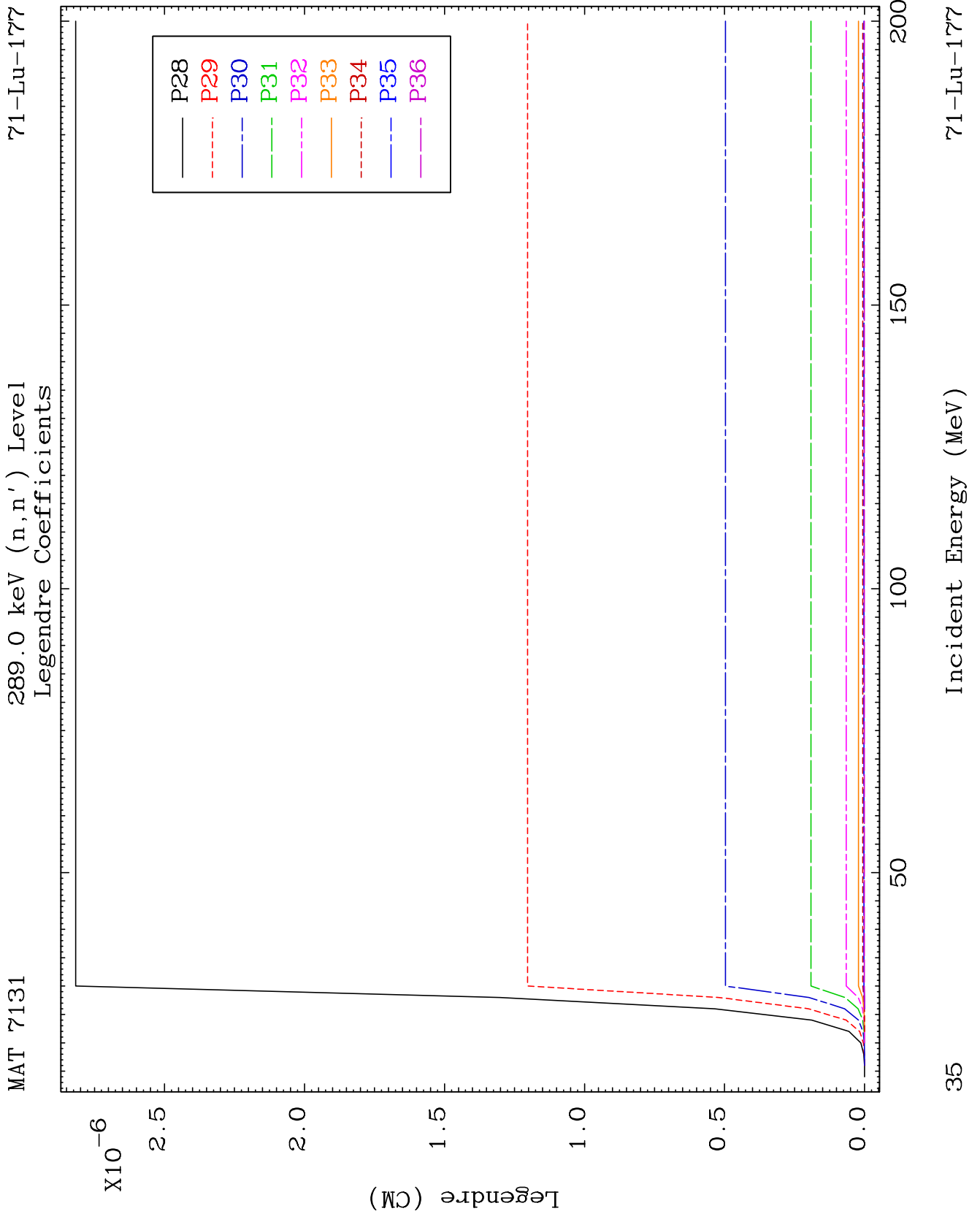
71-Lu-177

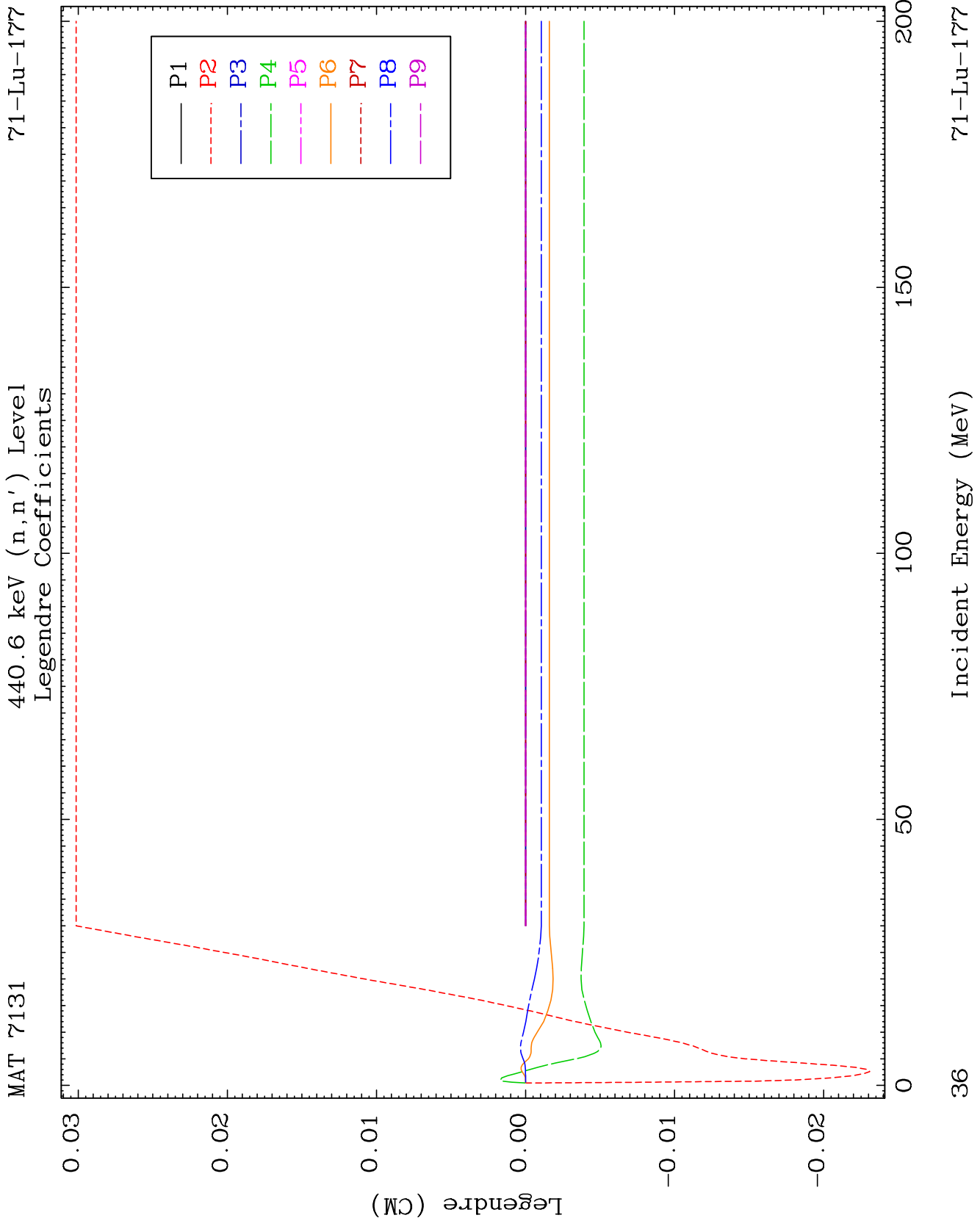


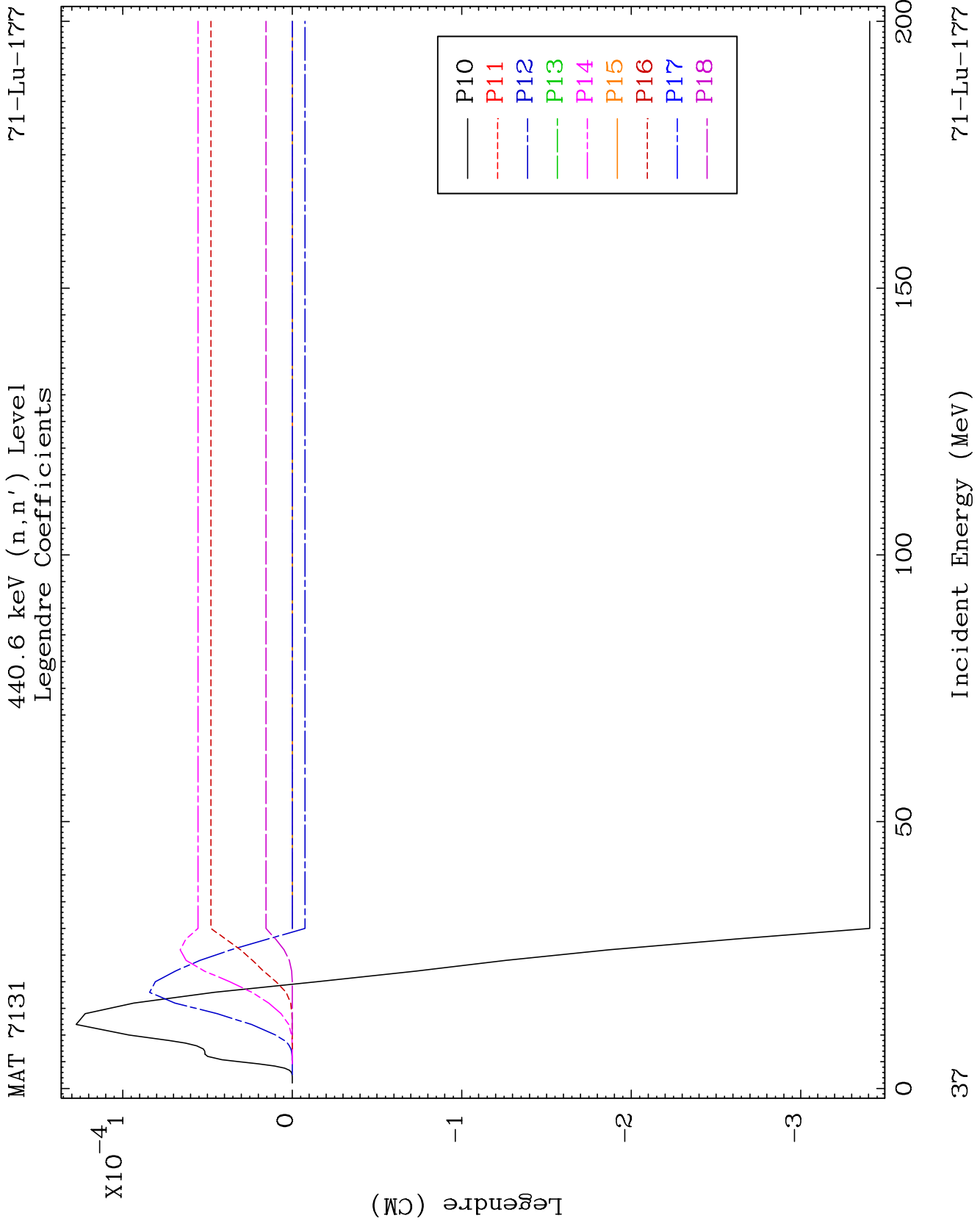
34

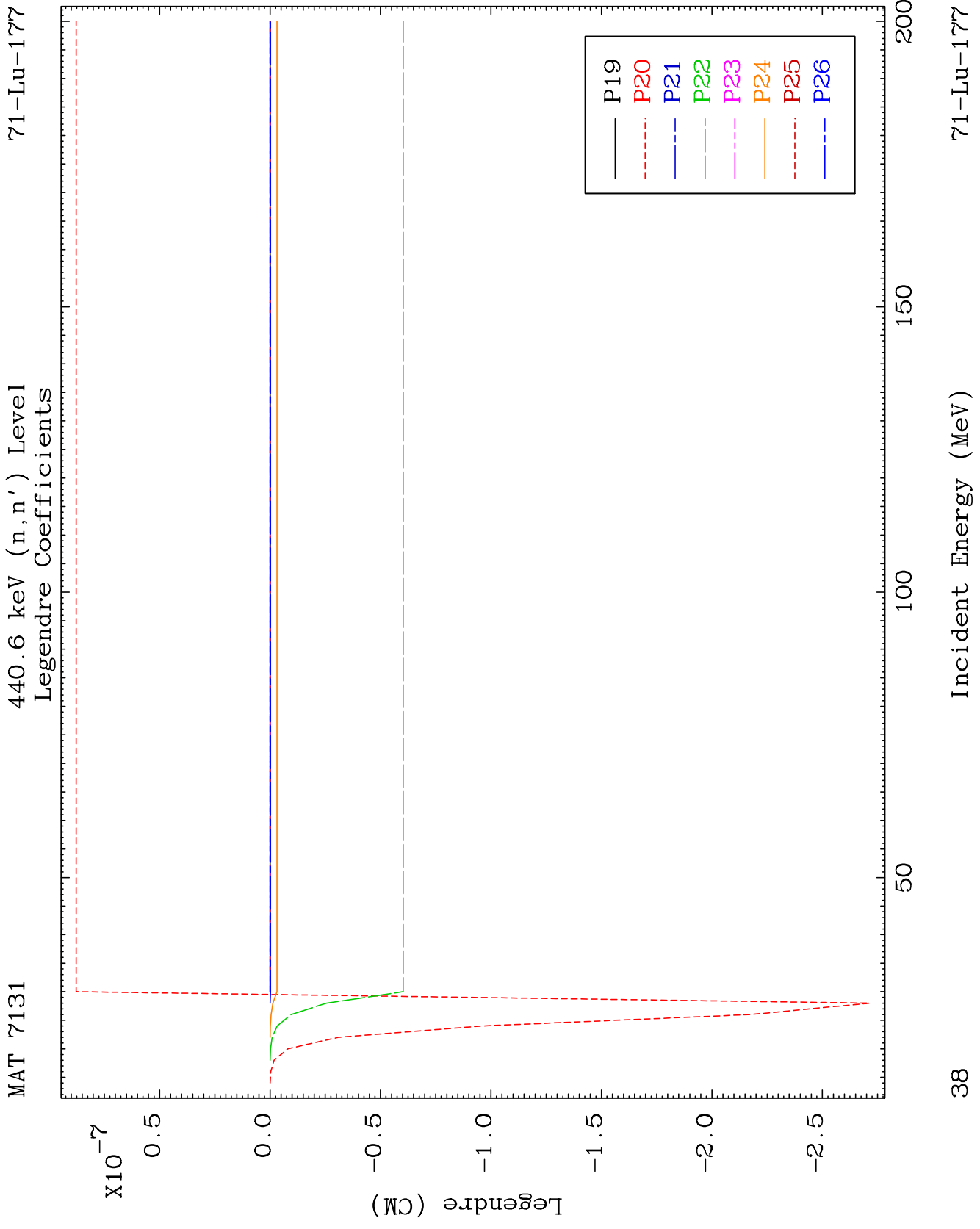
Incident Energy (MeV)

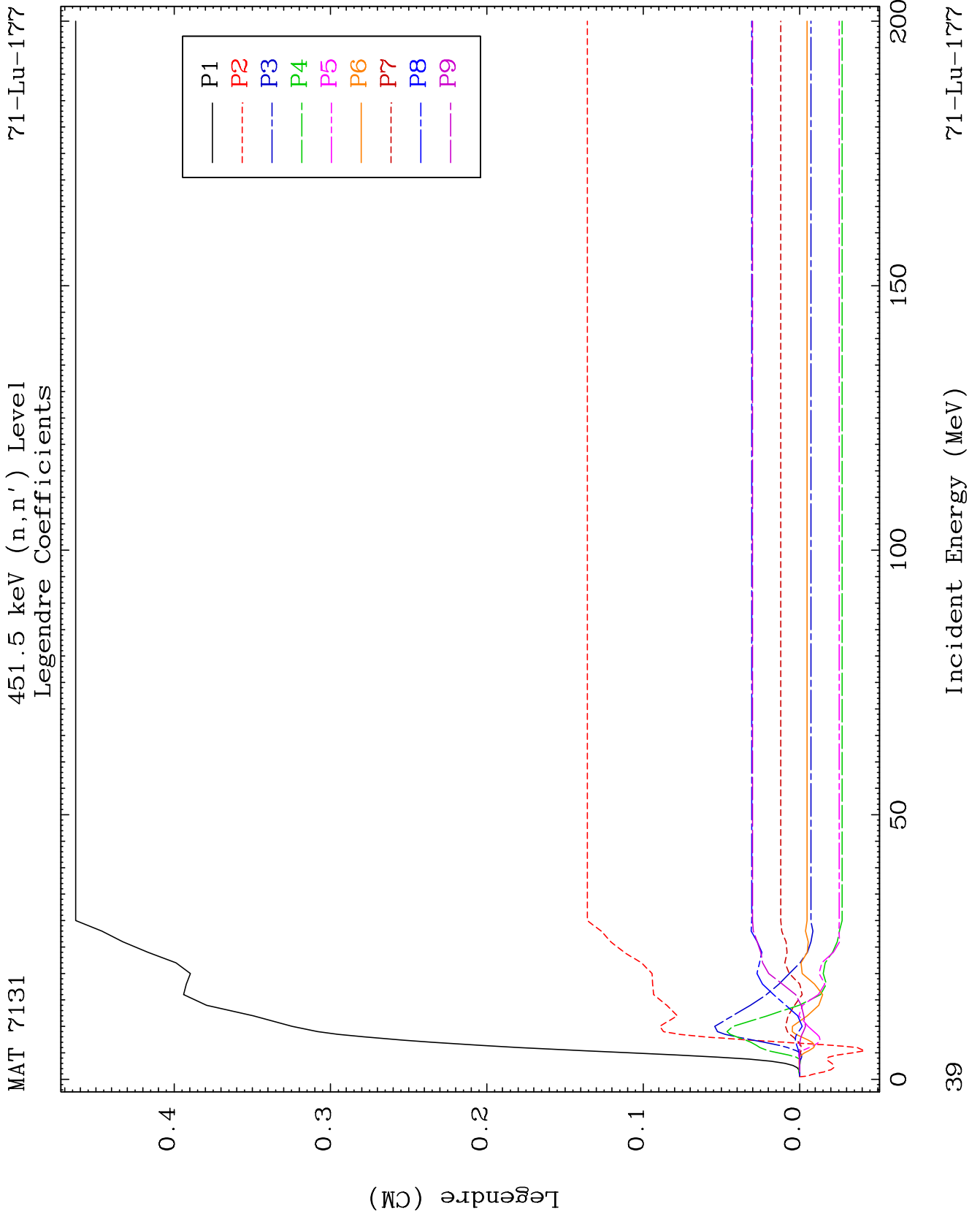
71-Lu-177

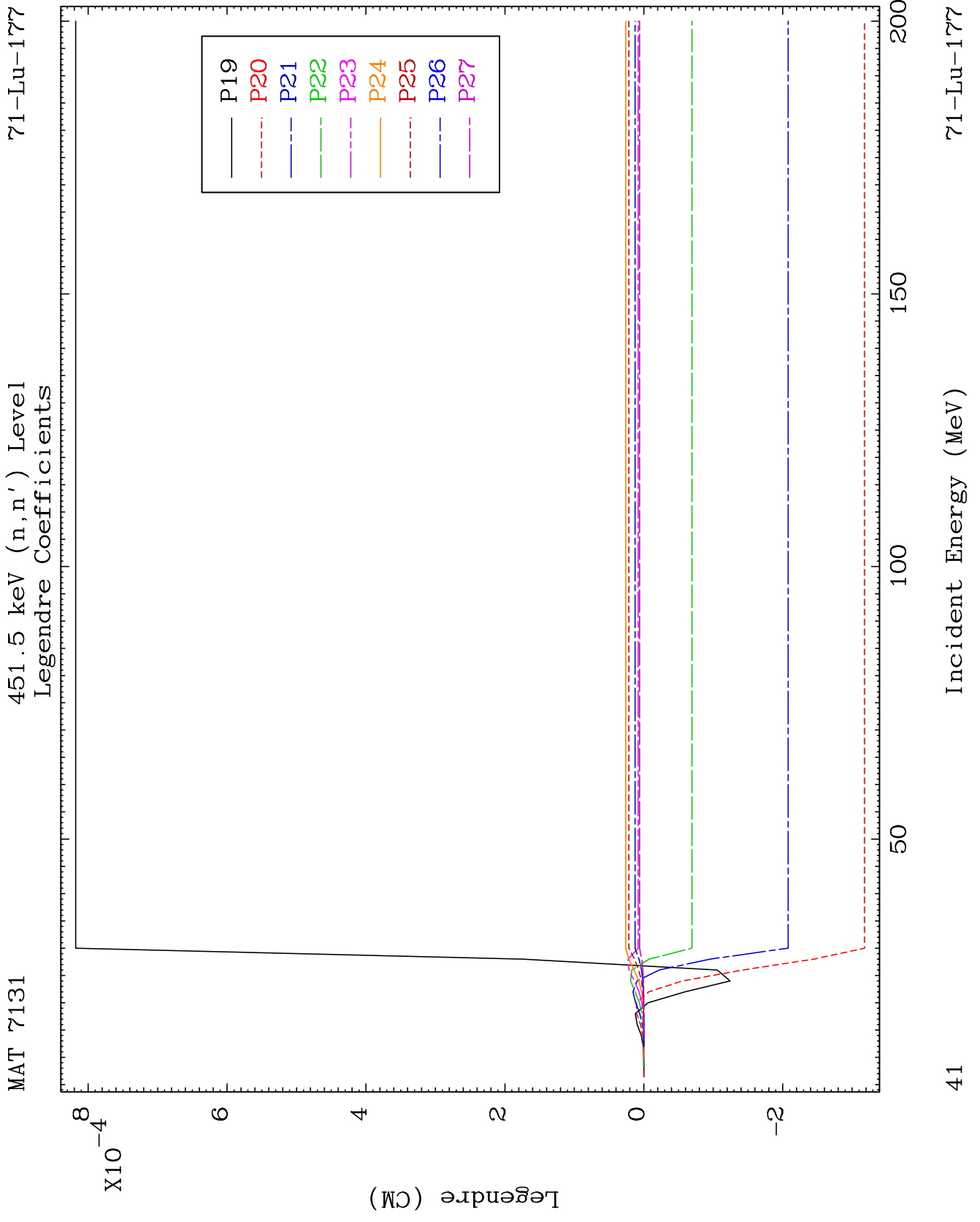


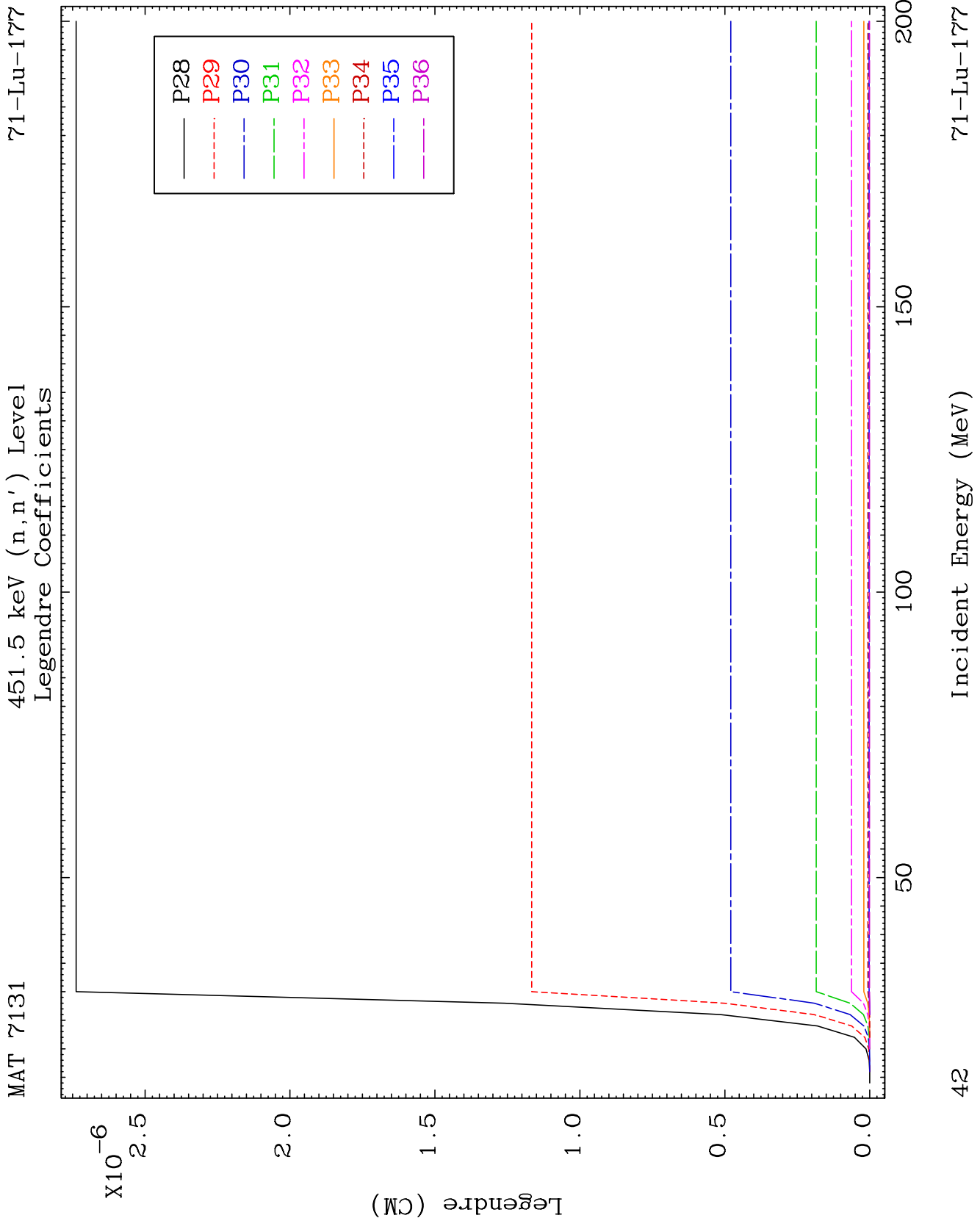


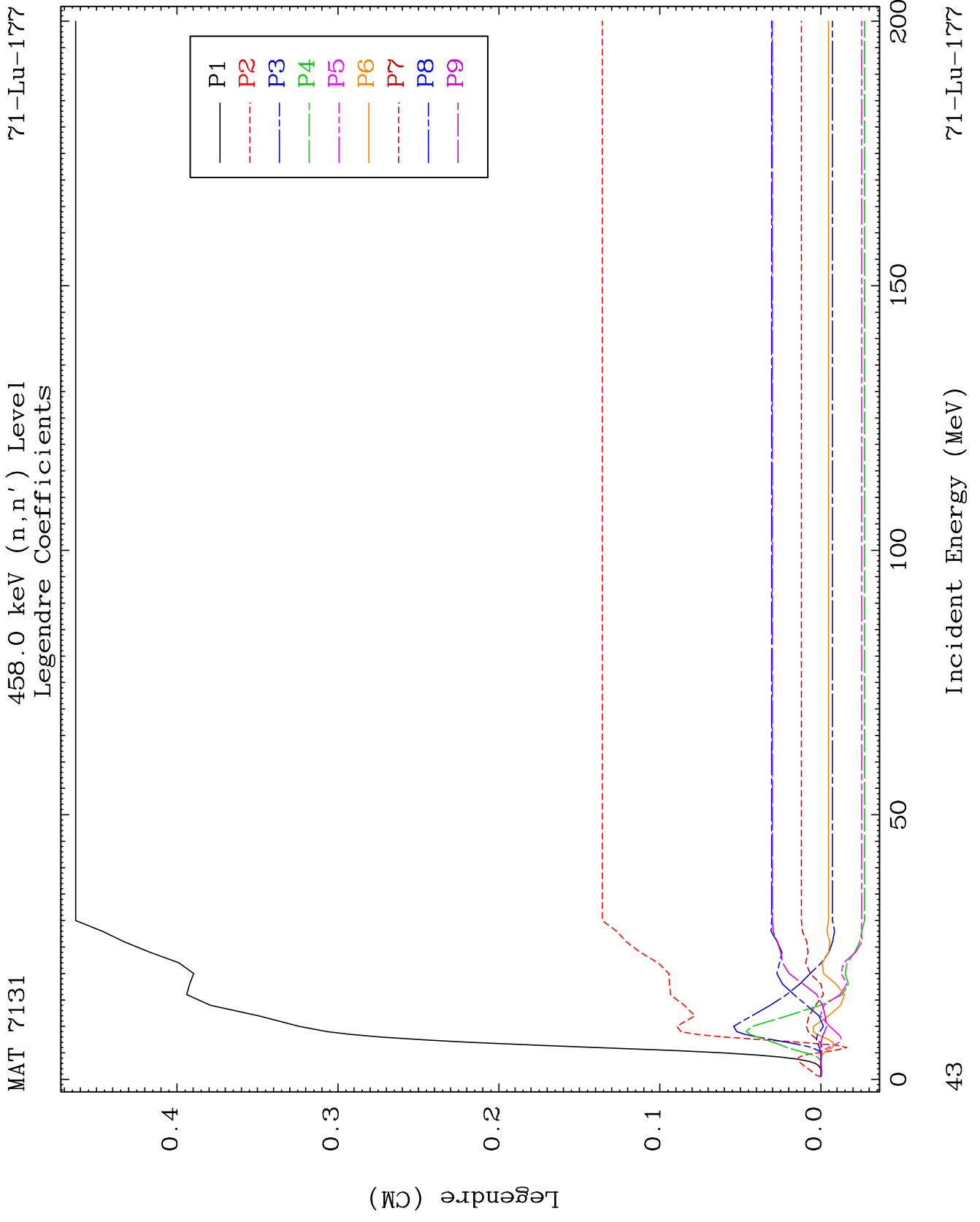


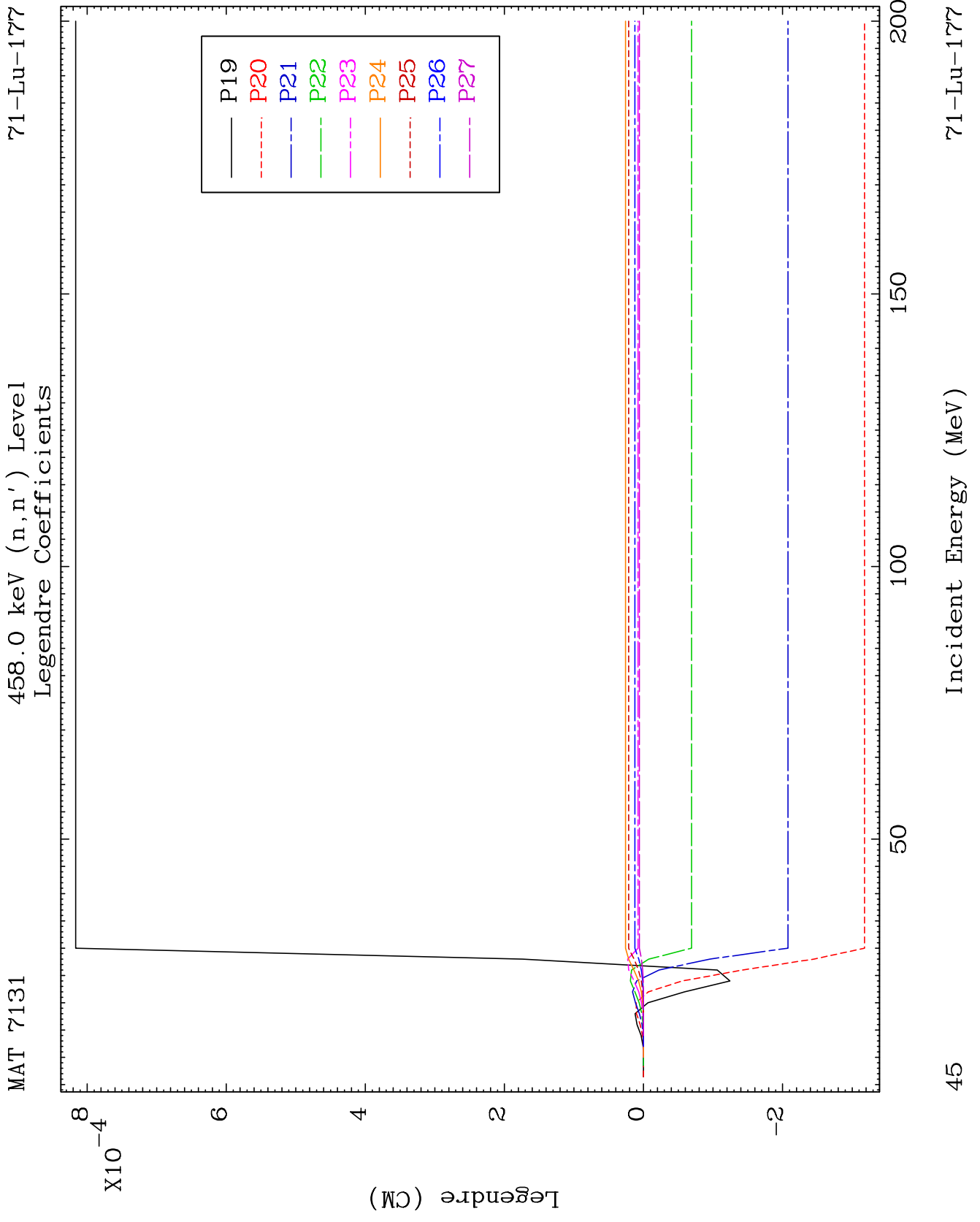


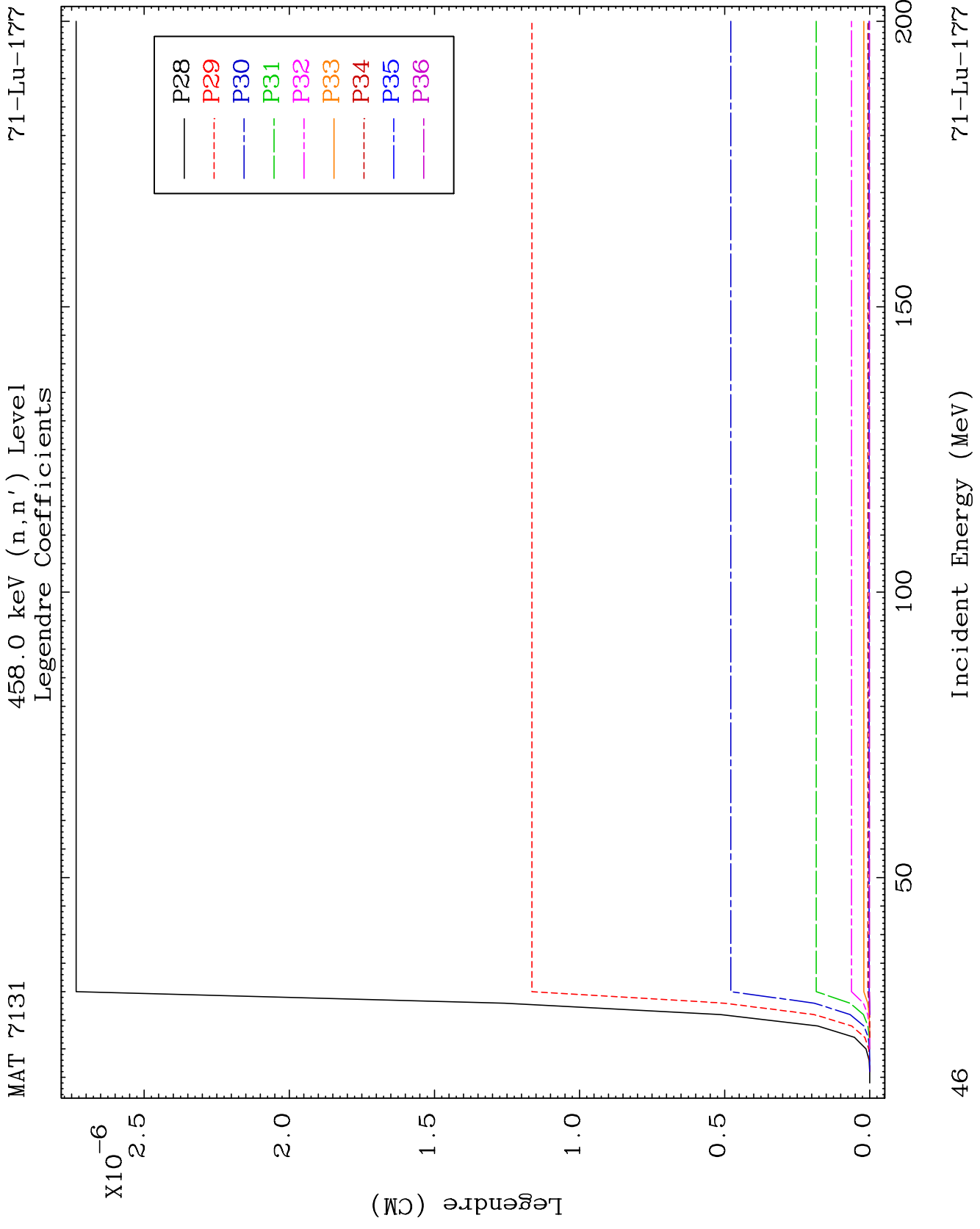








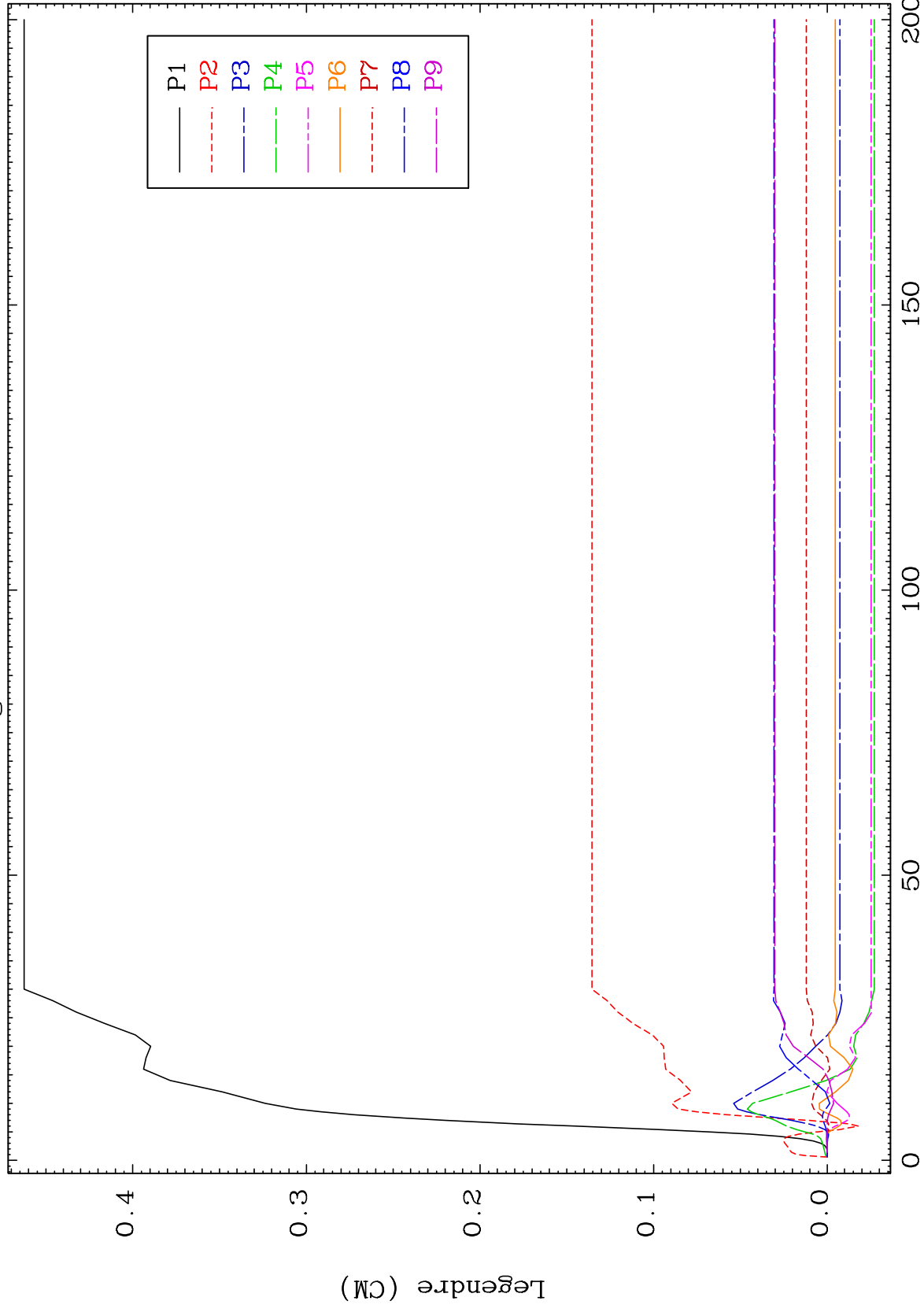




MAT 7131

552.1 keV (n,n') Level
Legendre Coefficients

71-Lu-177



47

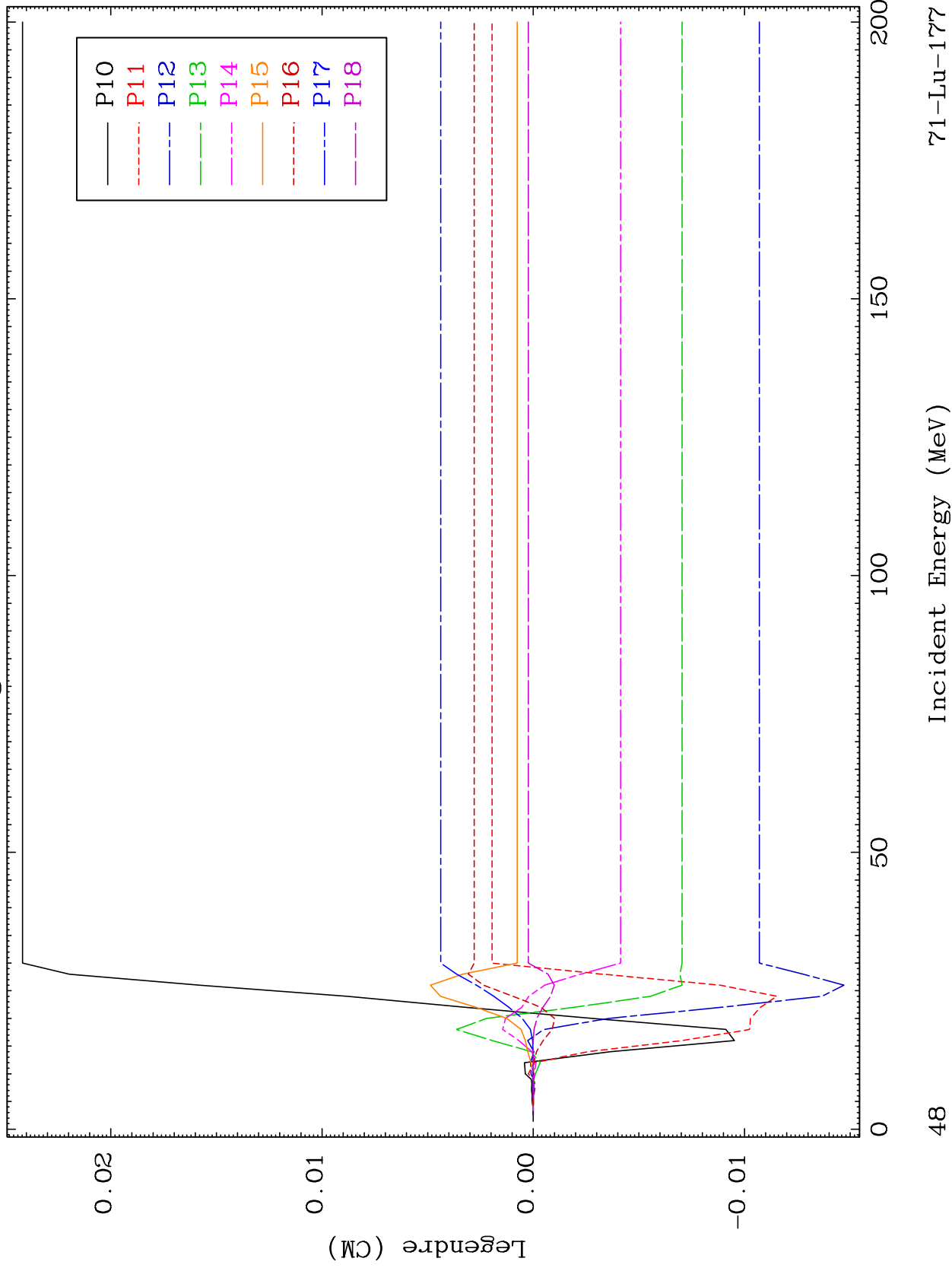
Incident Energy (MeV)

71-Lu-177

MAT 7131

552.1 keV (n,n') Level
Legendre Coefficients

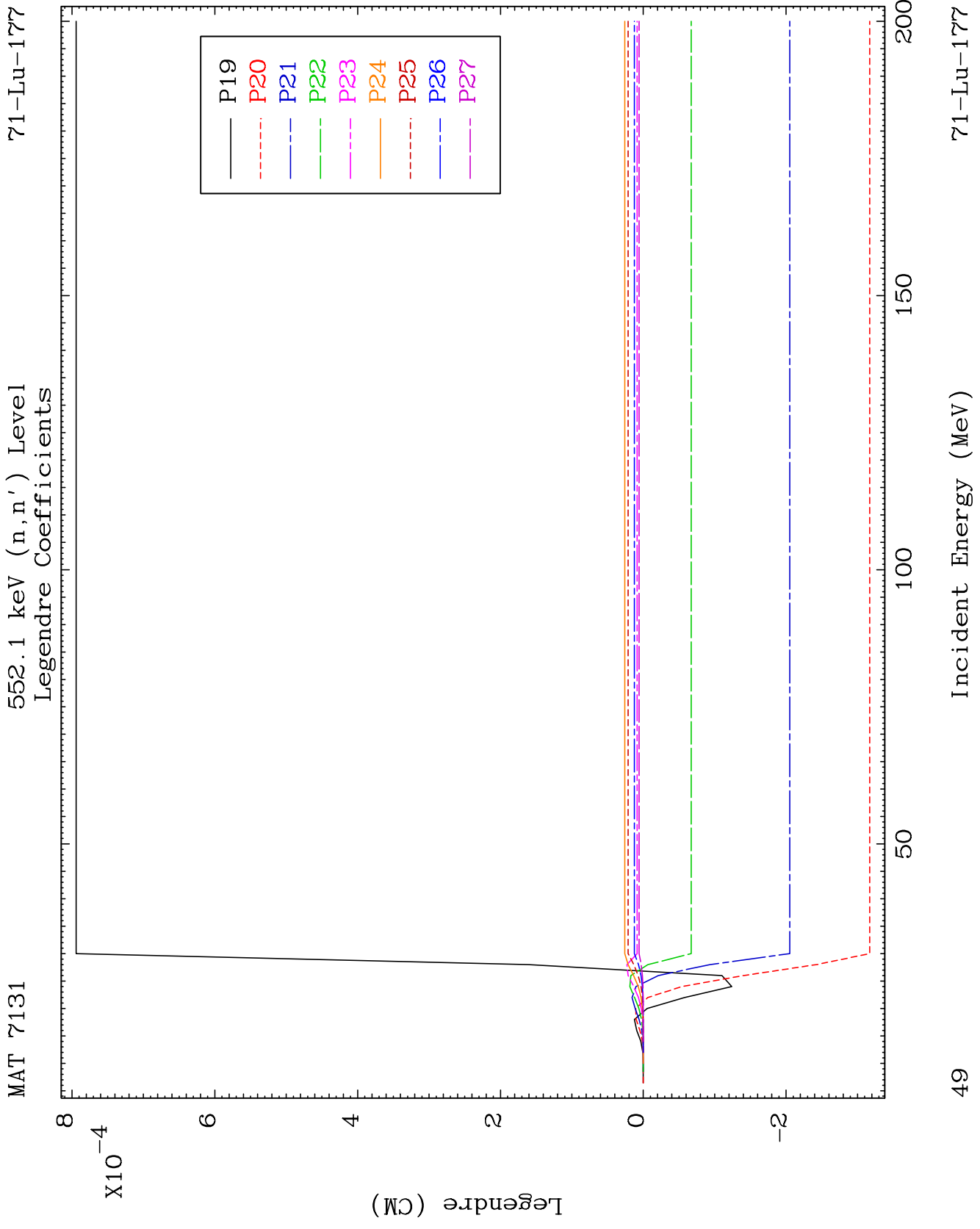
71-Lu-177



71-Lu-177

Incident Energy (MeV)

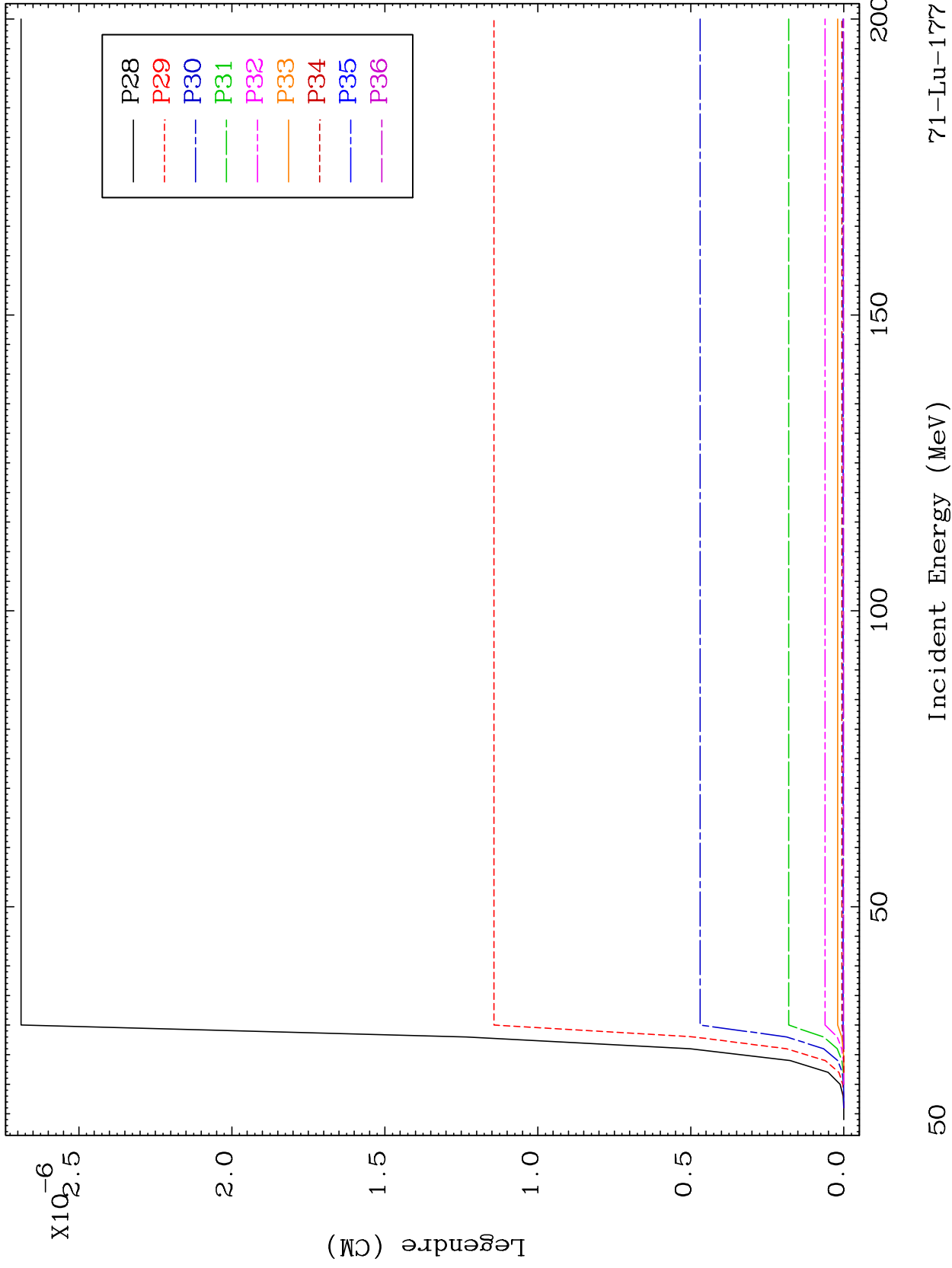
48

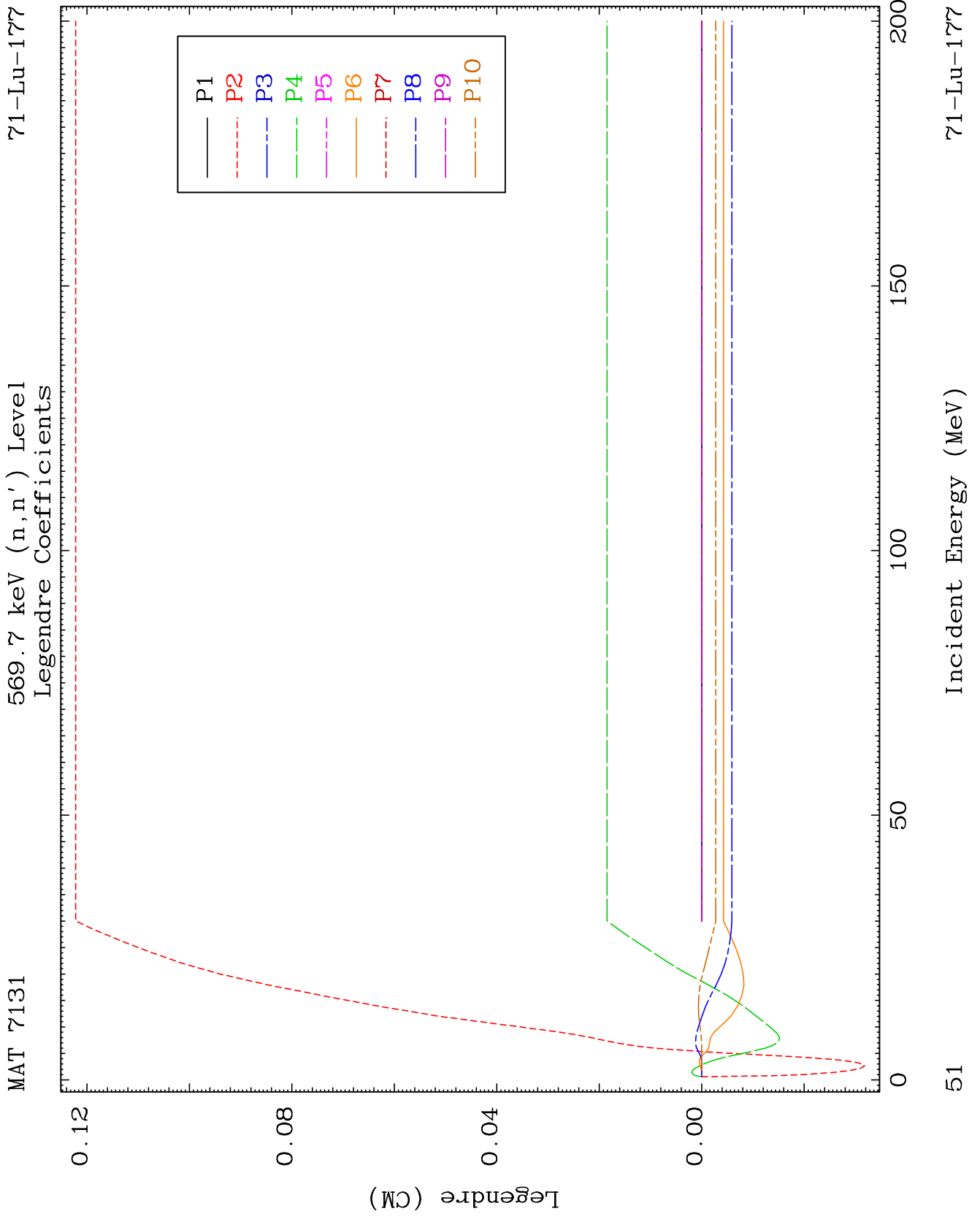


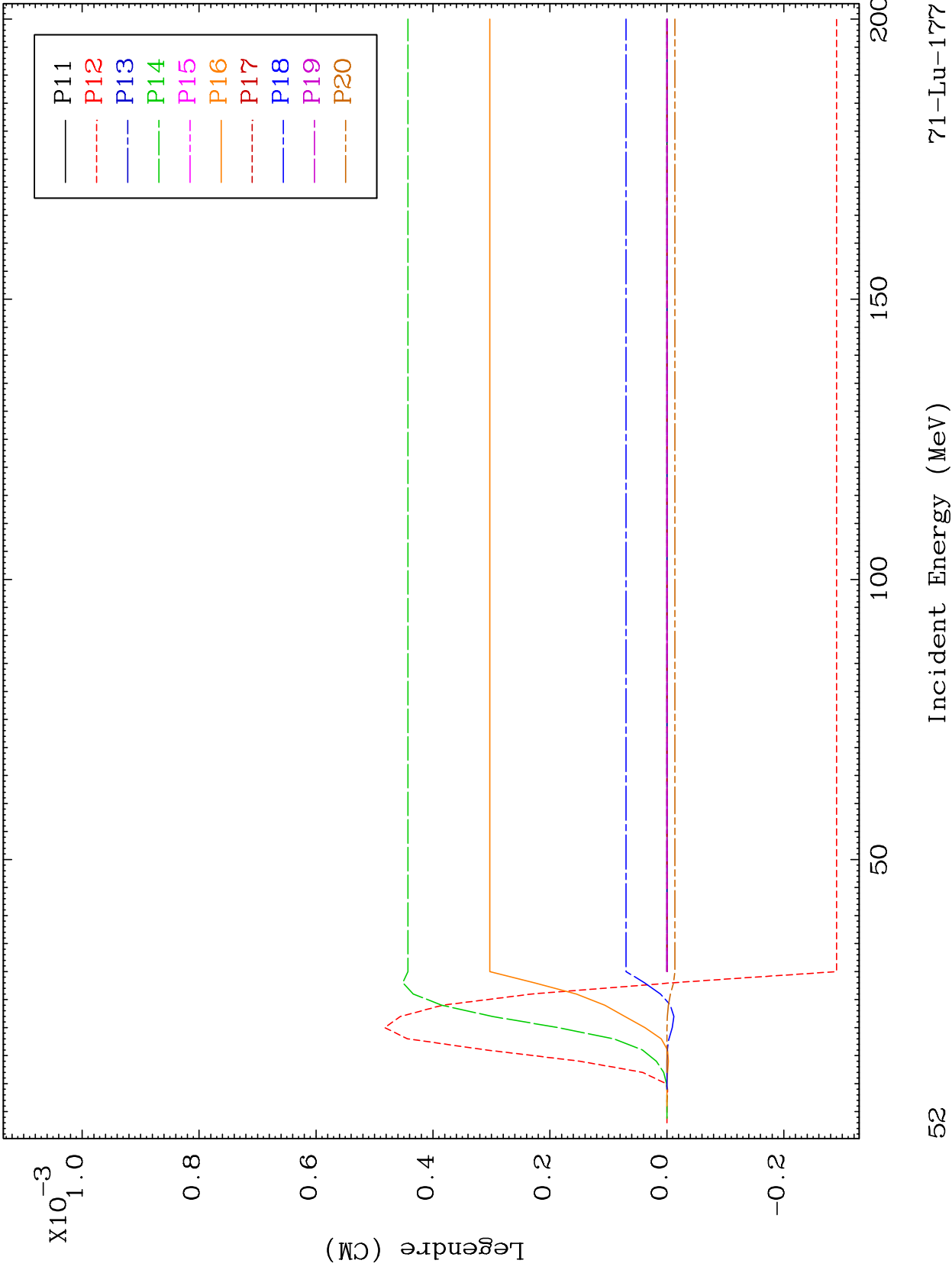
MAT 7131

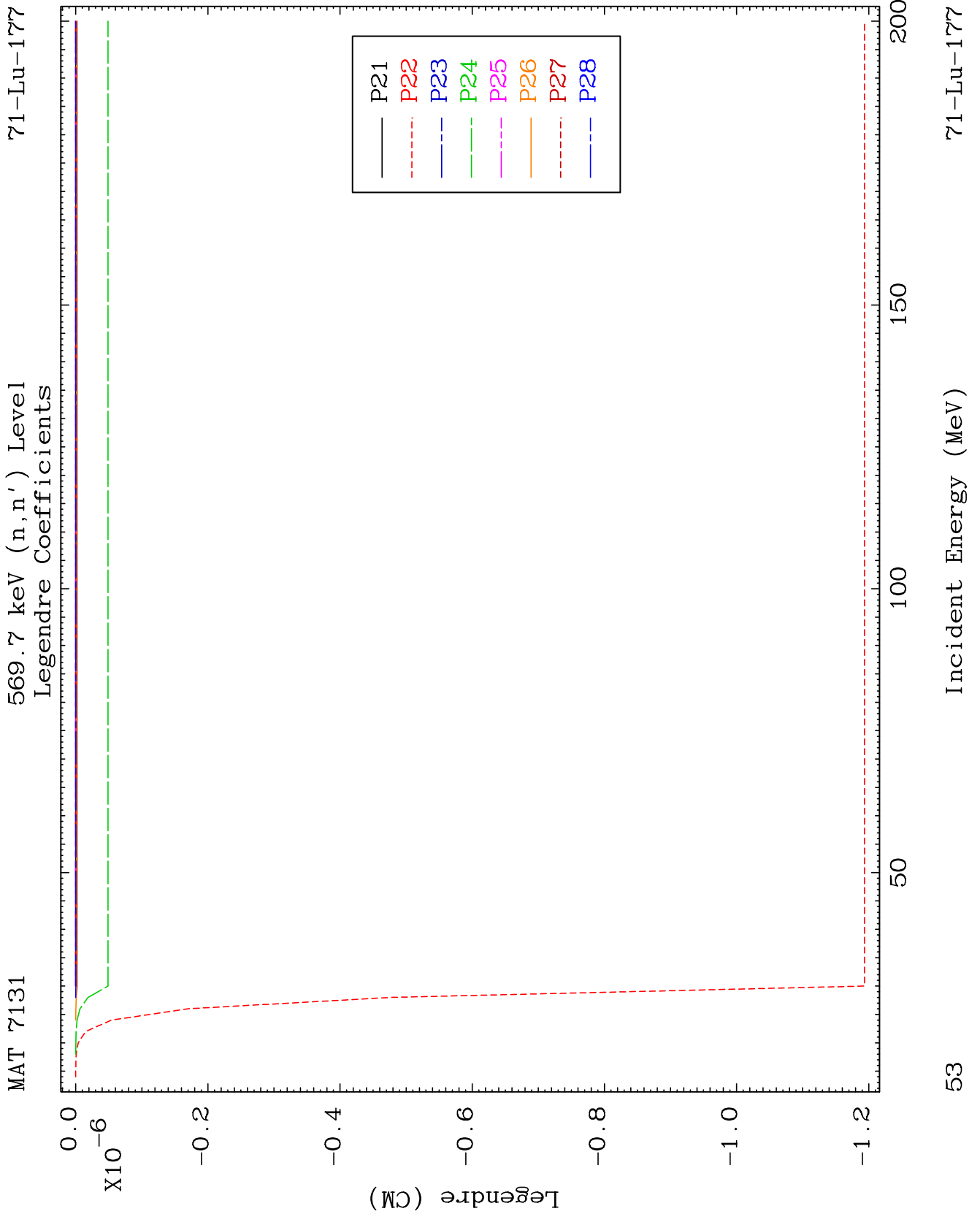
552.1 keV (n,n') Level
Legendre Coefficients

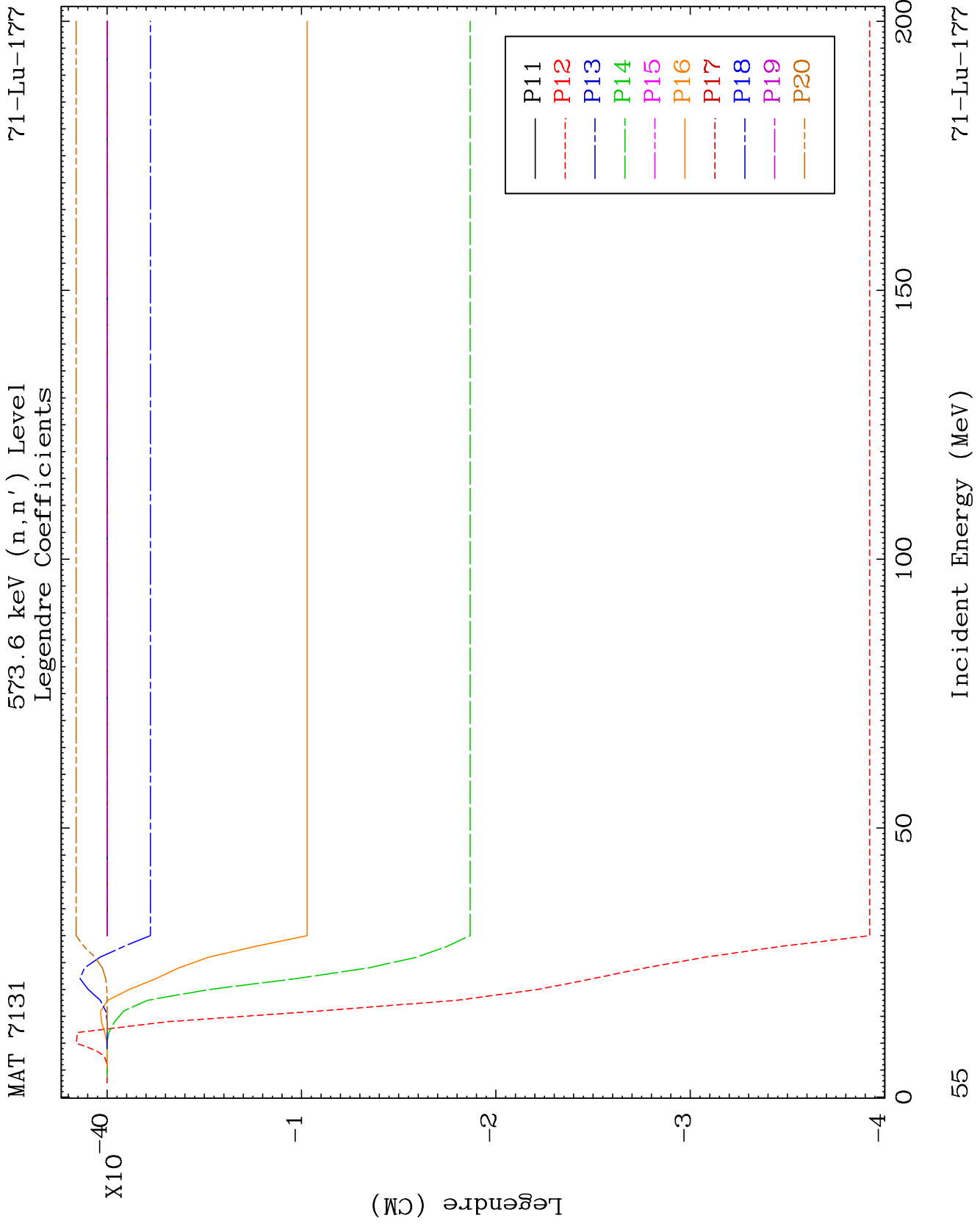
71-Lu-177

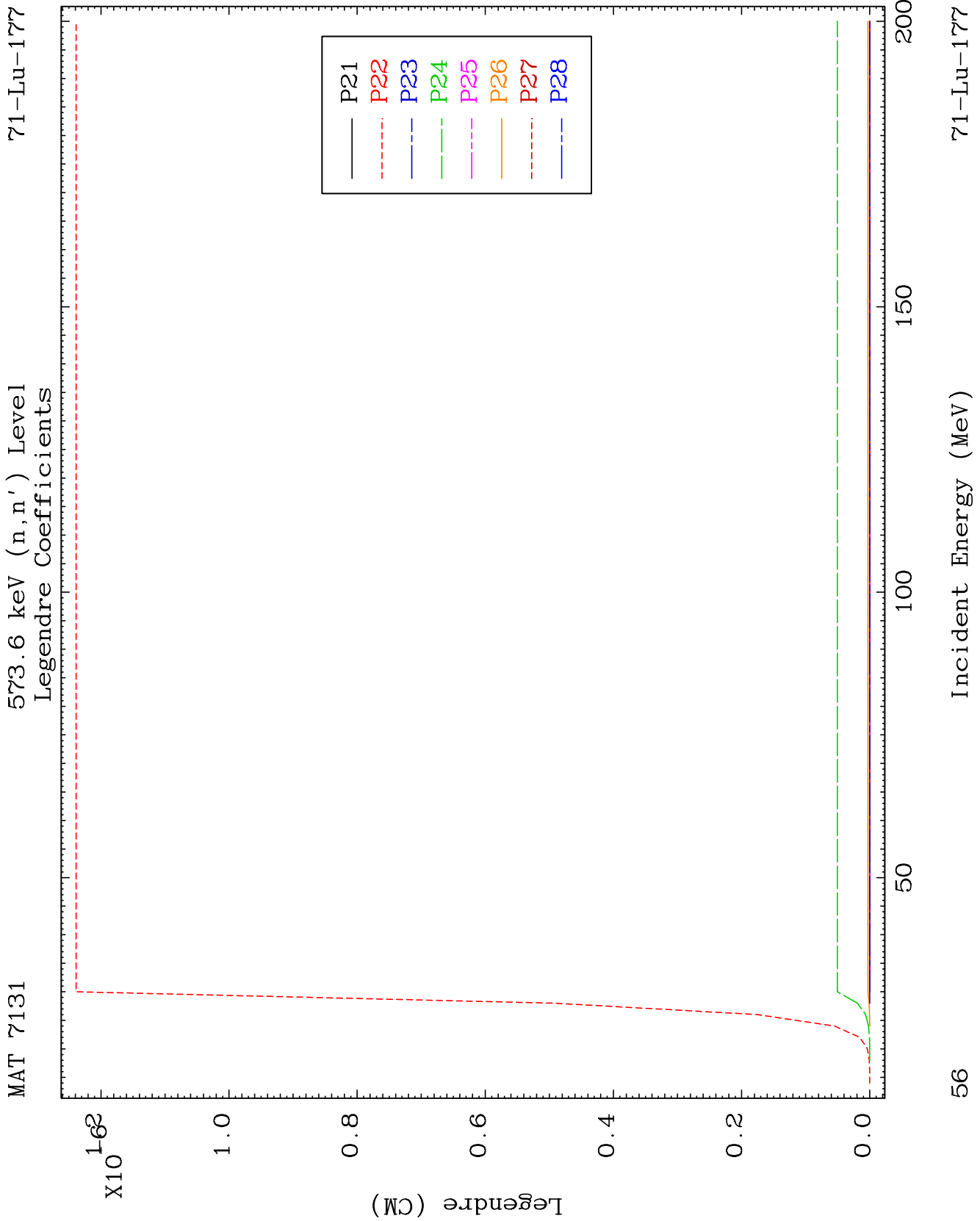


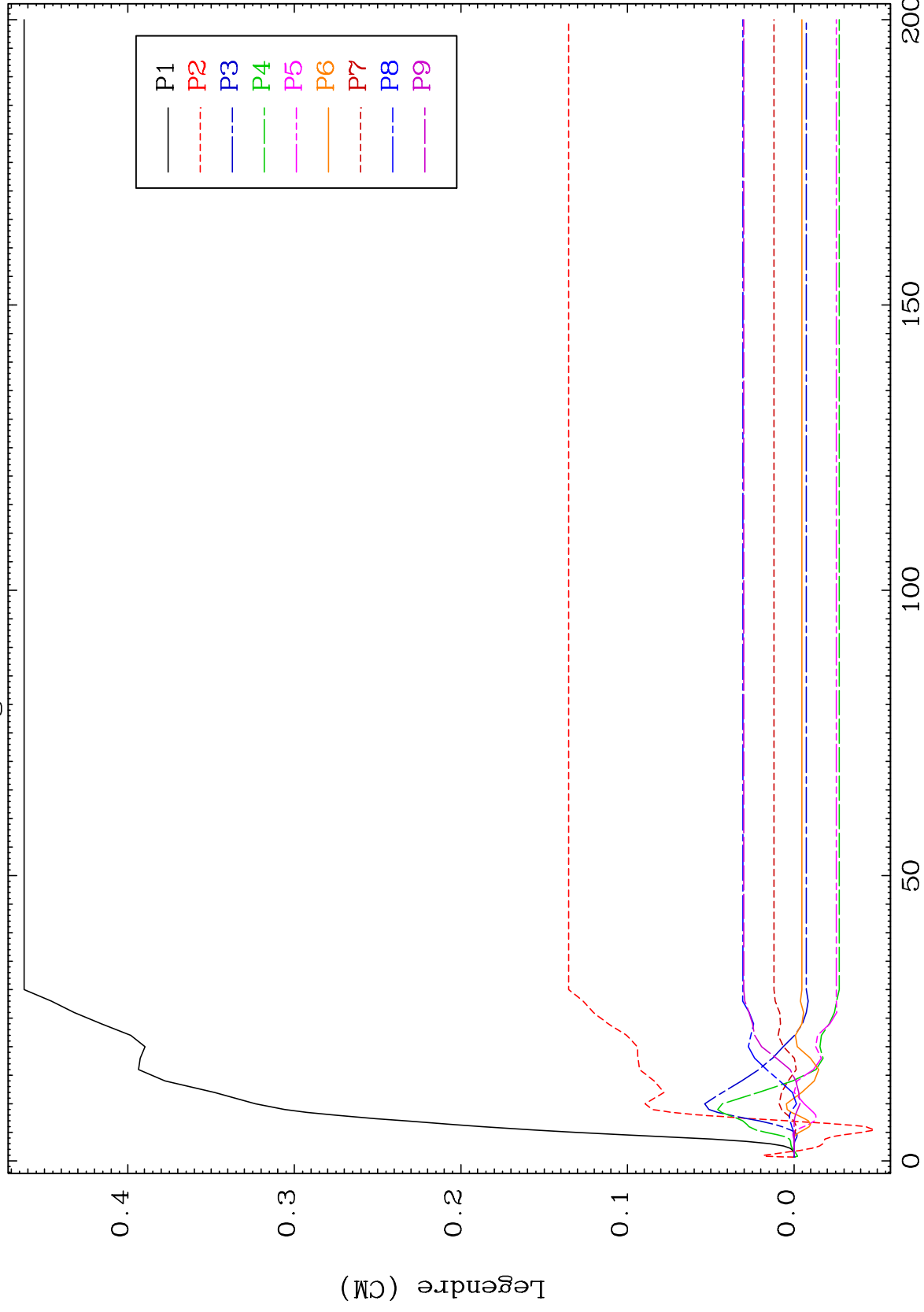








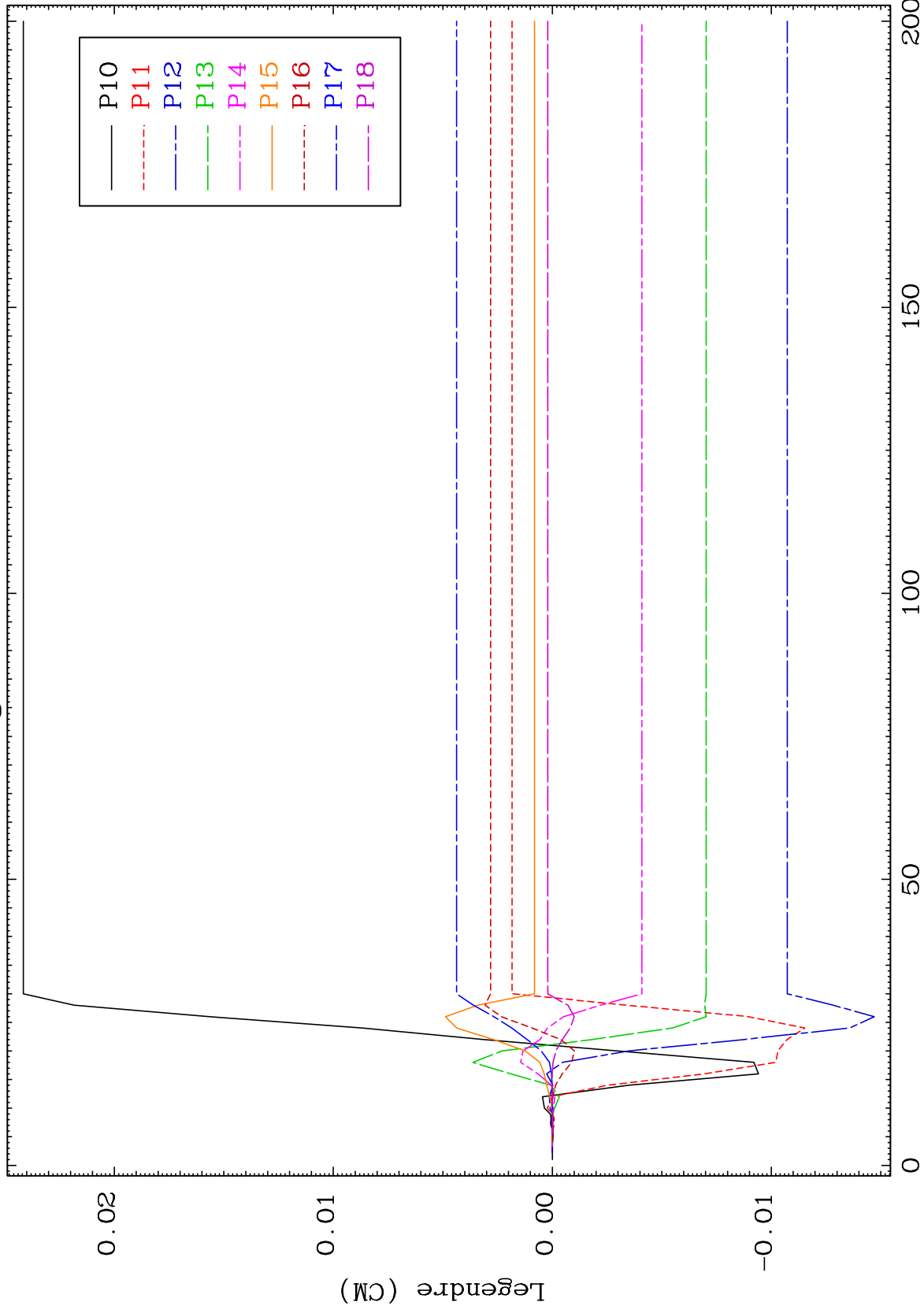




MAT 7131

636.2 keV (n,n') Level
Legendre Coefficients

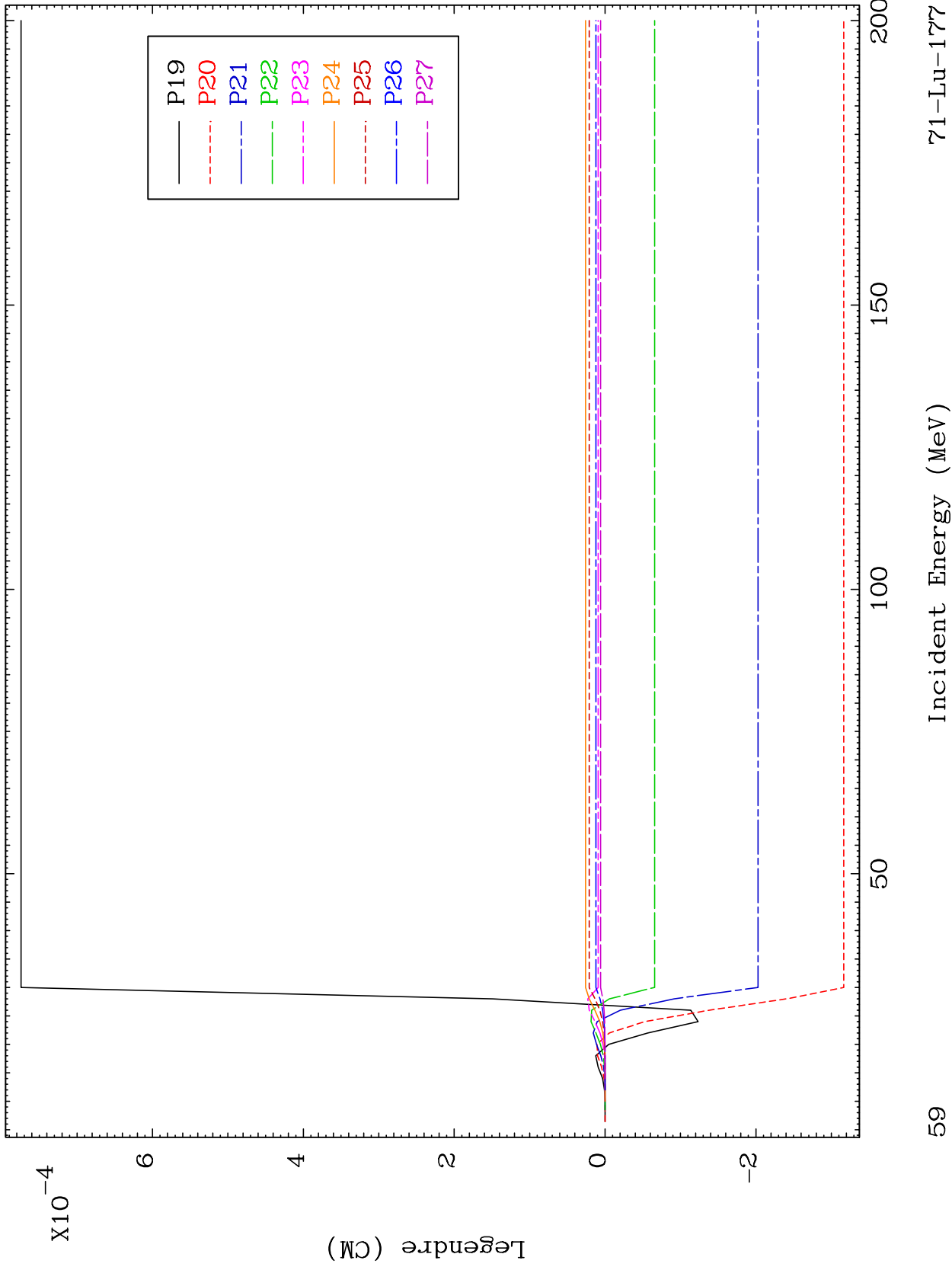
71-Lu-177

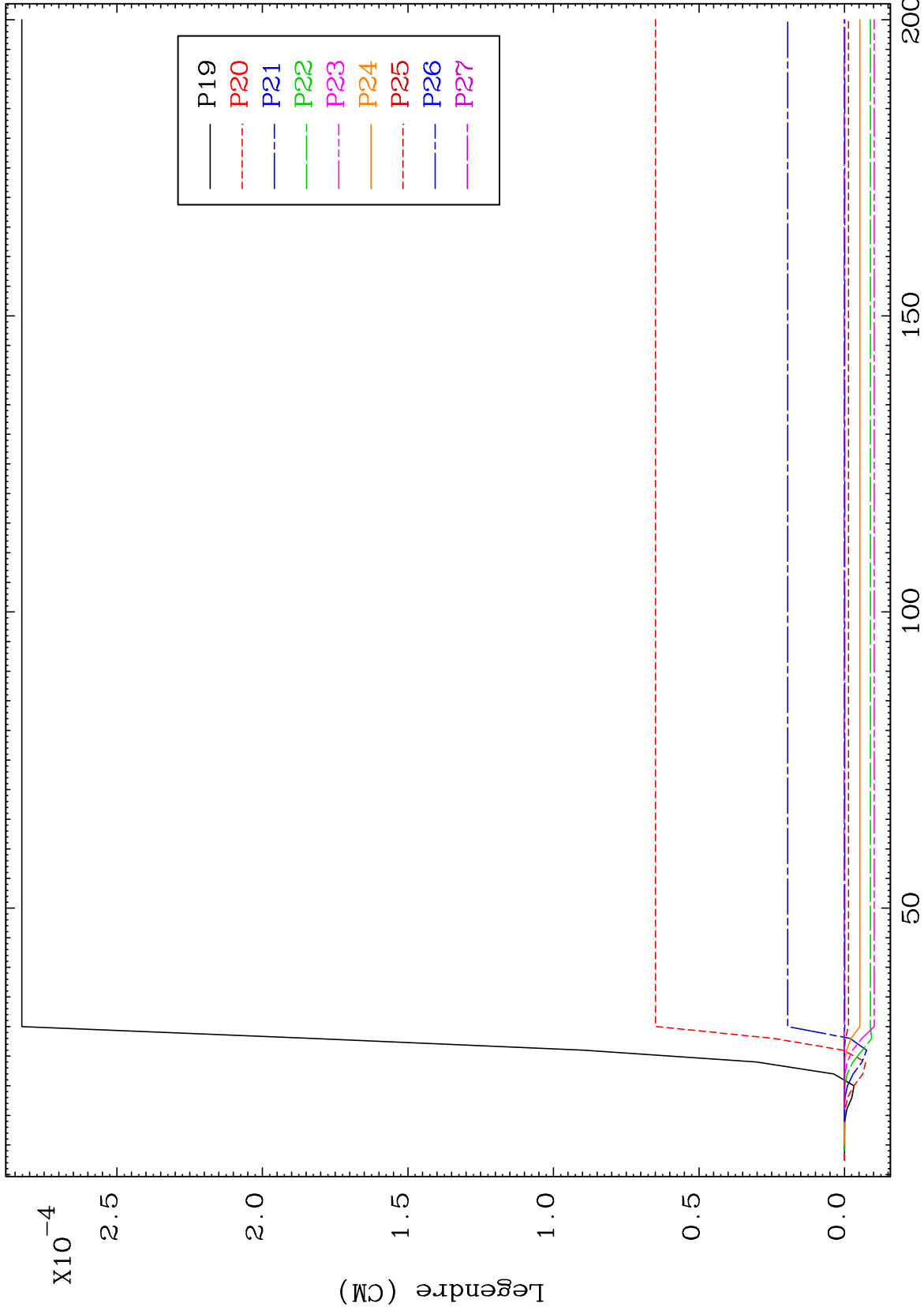


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Incident Energy (MeV)

71-Lu-177

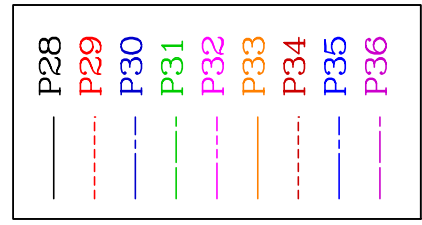




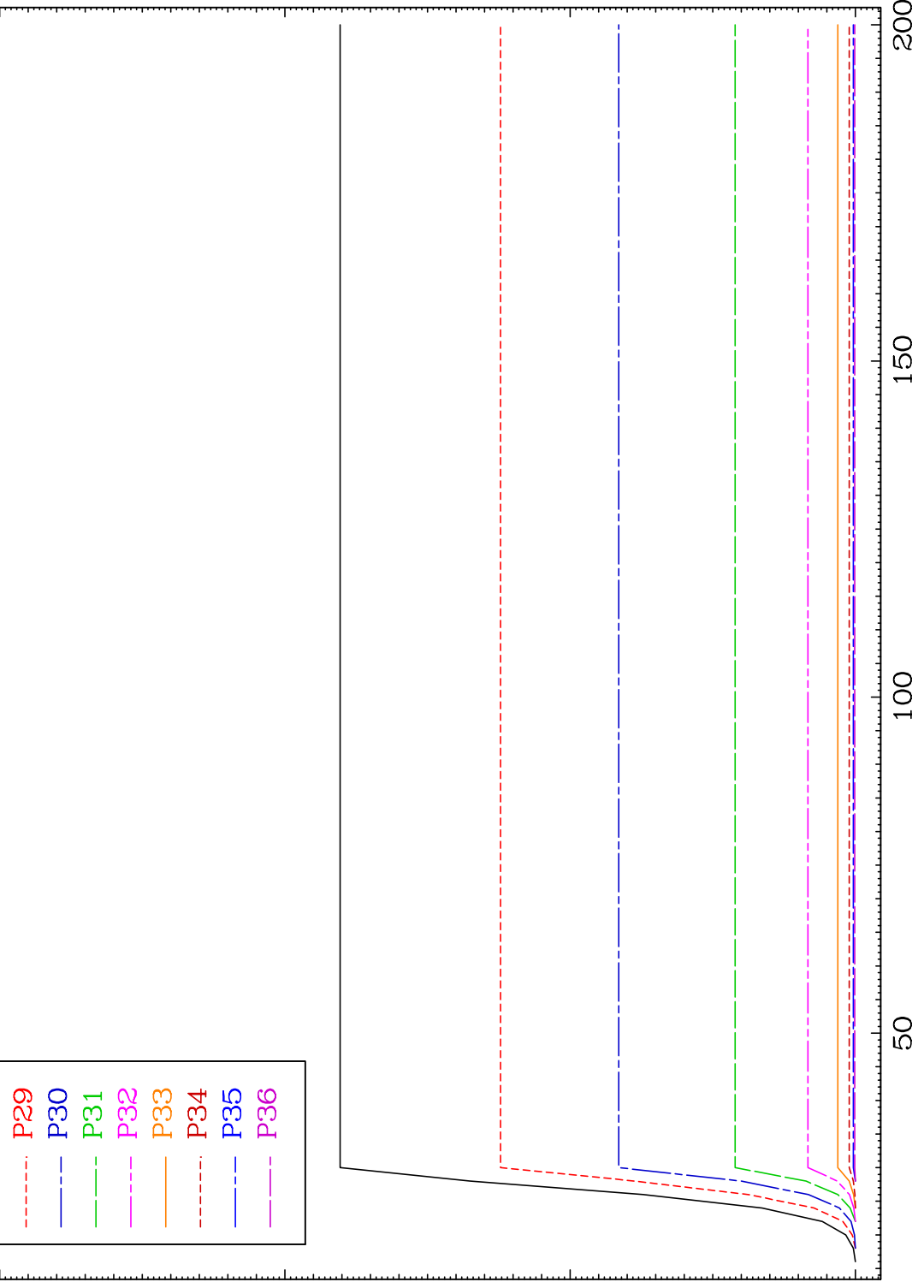
MAT 7131

654.5 keV (n, n') Level
Legendre Coefficients

71-Lu-177



$\times 10^{-7}$
Legendre (CM)



64

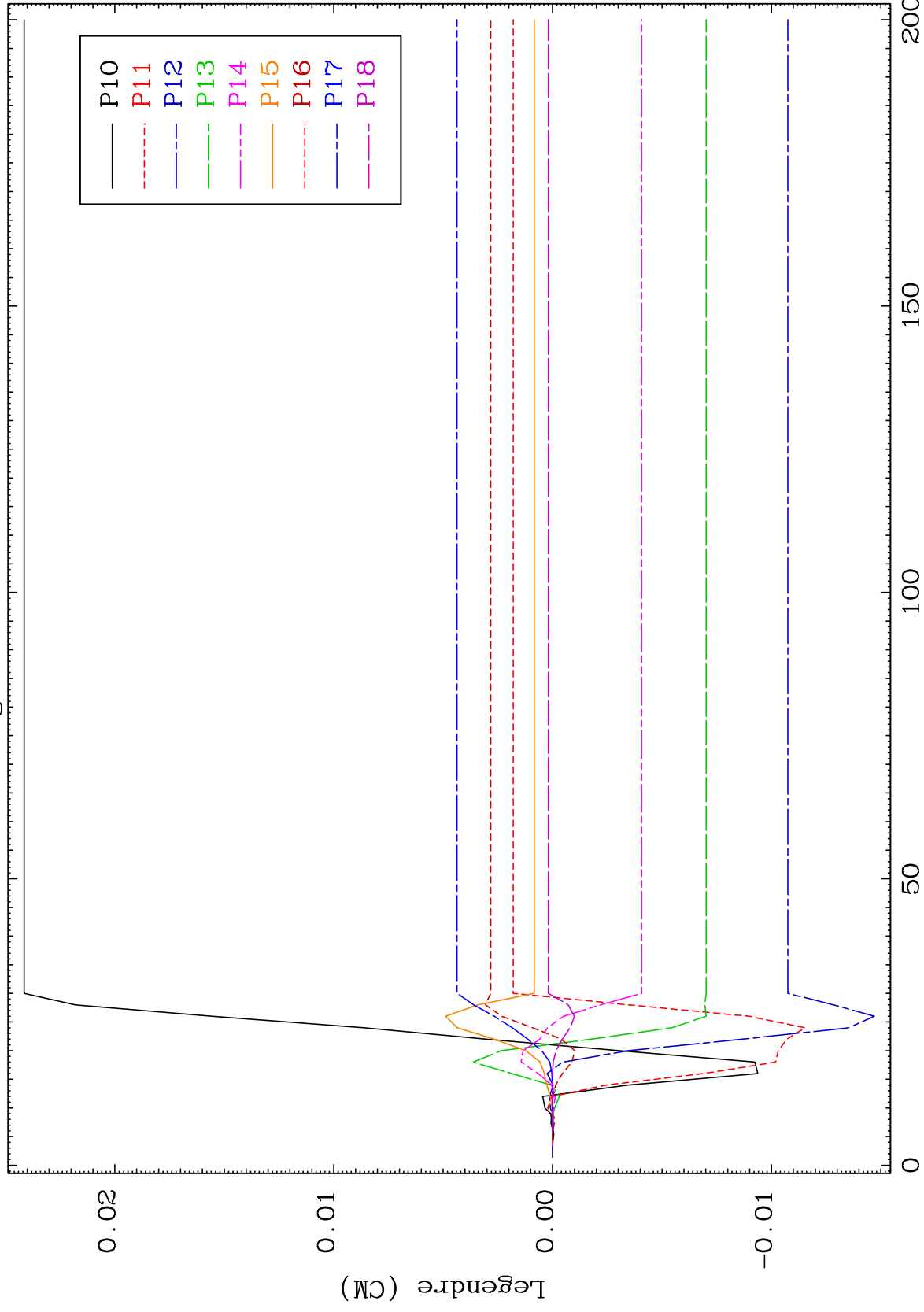
Incident Energy (MeV)

71-Lu-177

MAT 7131

671.9 keV (n,n') Level
Legendre Coefficients

71-Lu-177



66

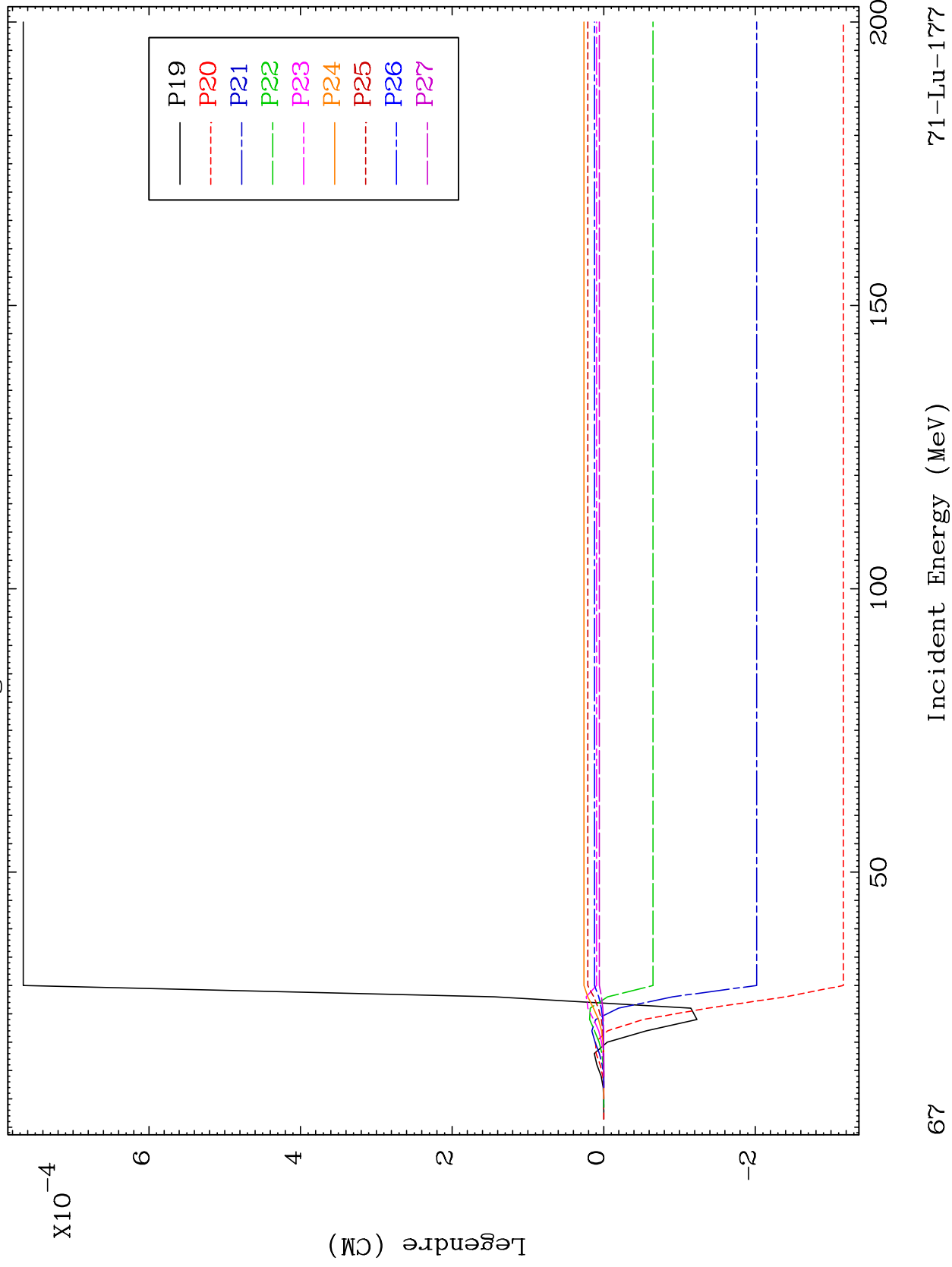
Incident Energy (MeV)

71-Lu-177

MAT 7131

671.9 keV (n,n') Level
Legendre Coefficients

71-Lu-177



67

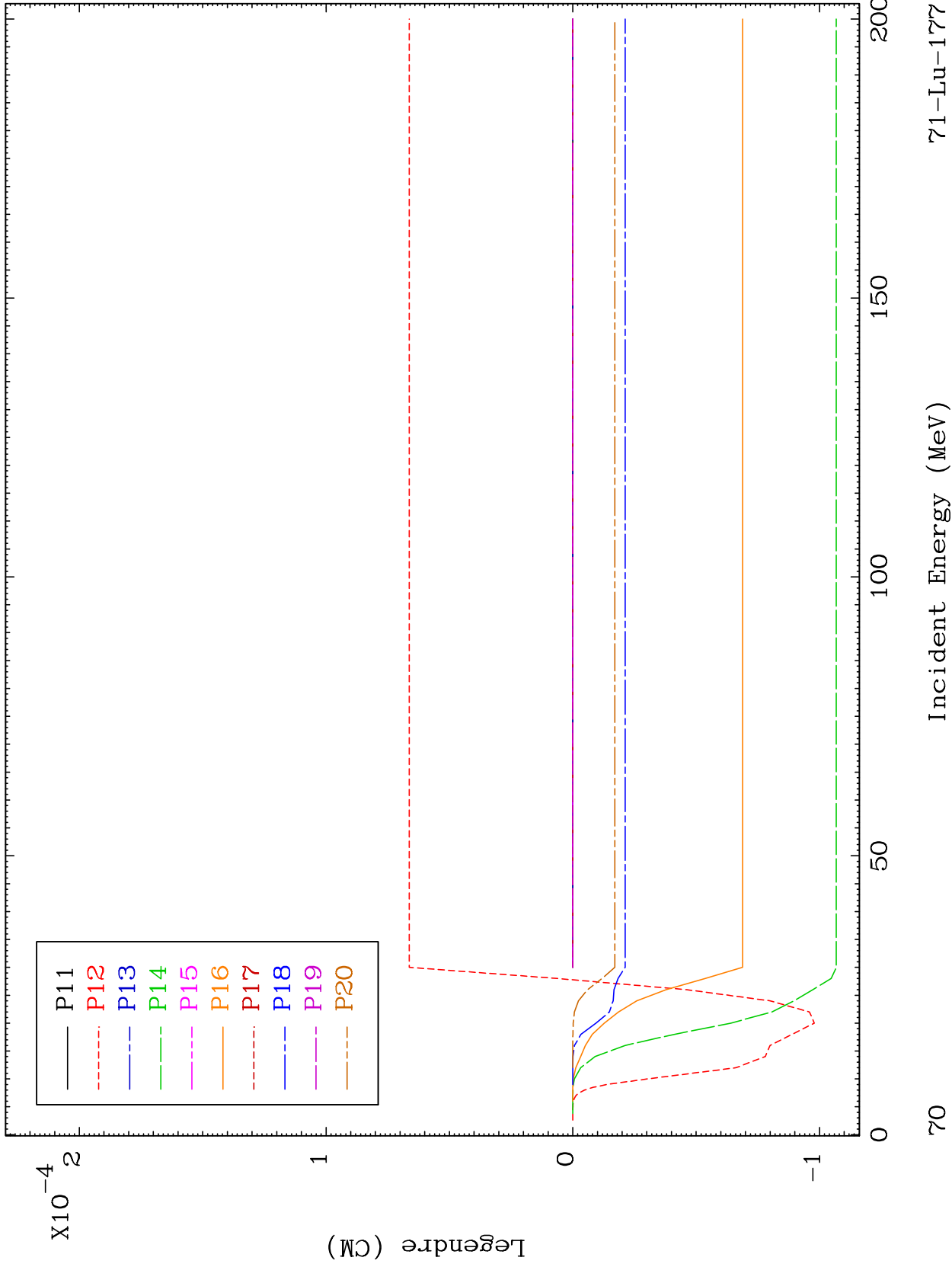
Incident Energy (MeV)

71-Lu-177

MAT 7131

709.5 keV (n,n') Level
Legendre Coefficients

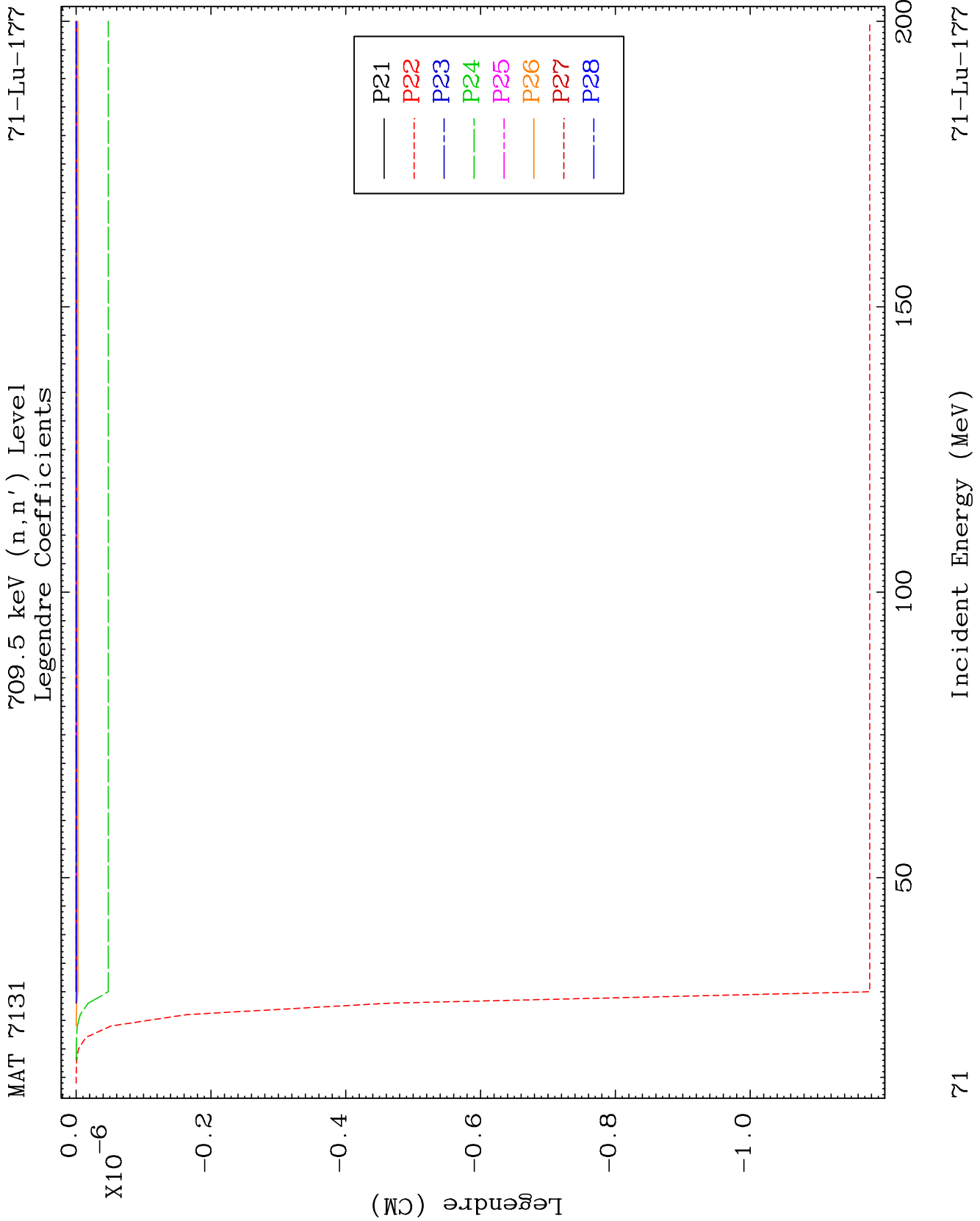
71-Lu-177

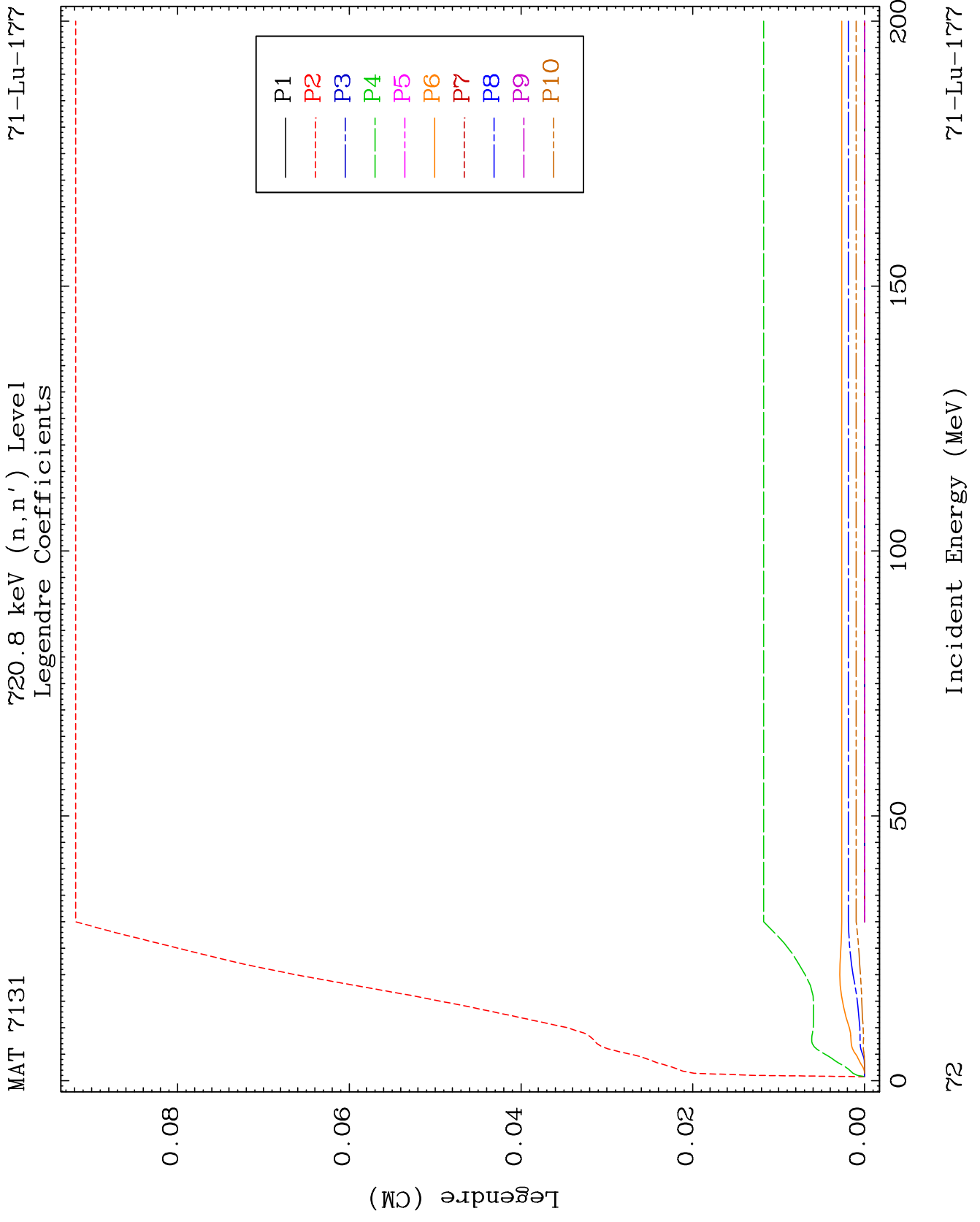


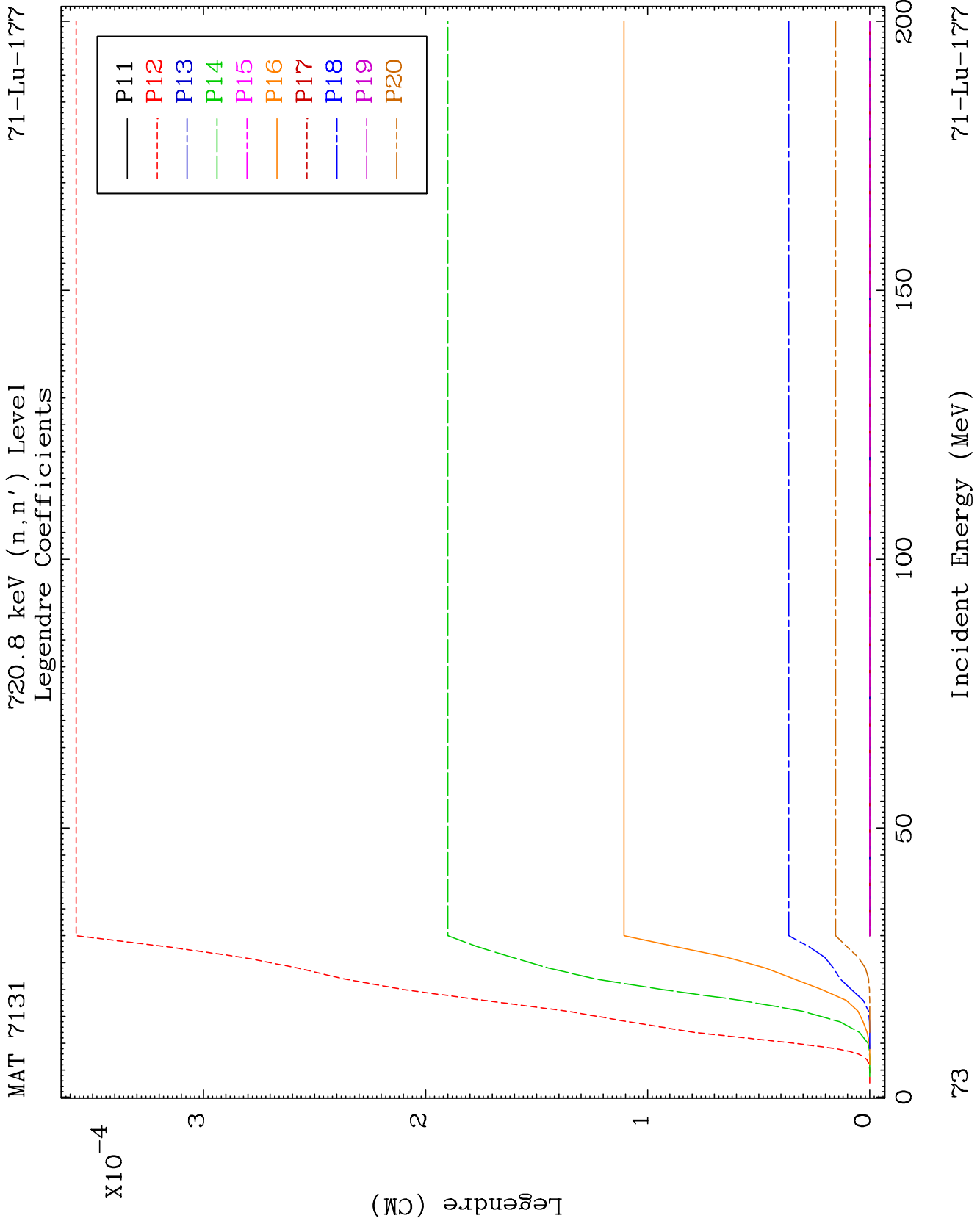
71-Lu-177

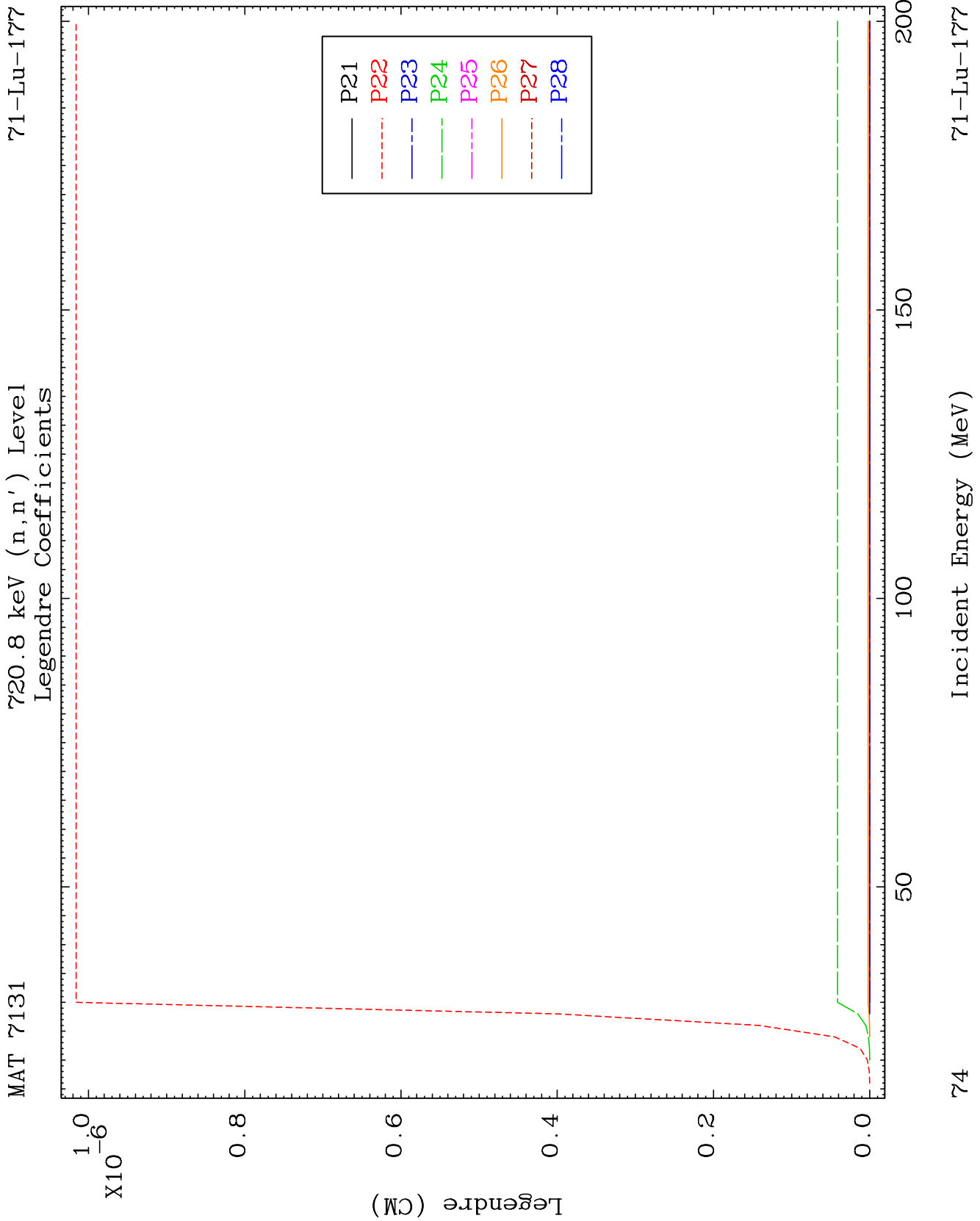
Incident Energy (MeV)

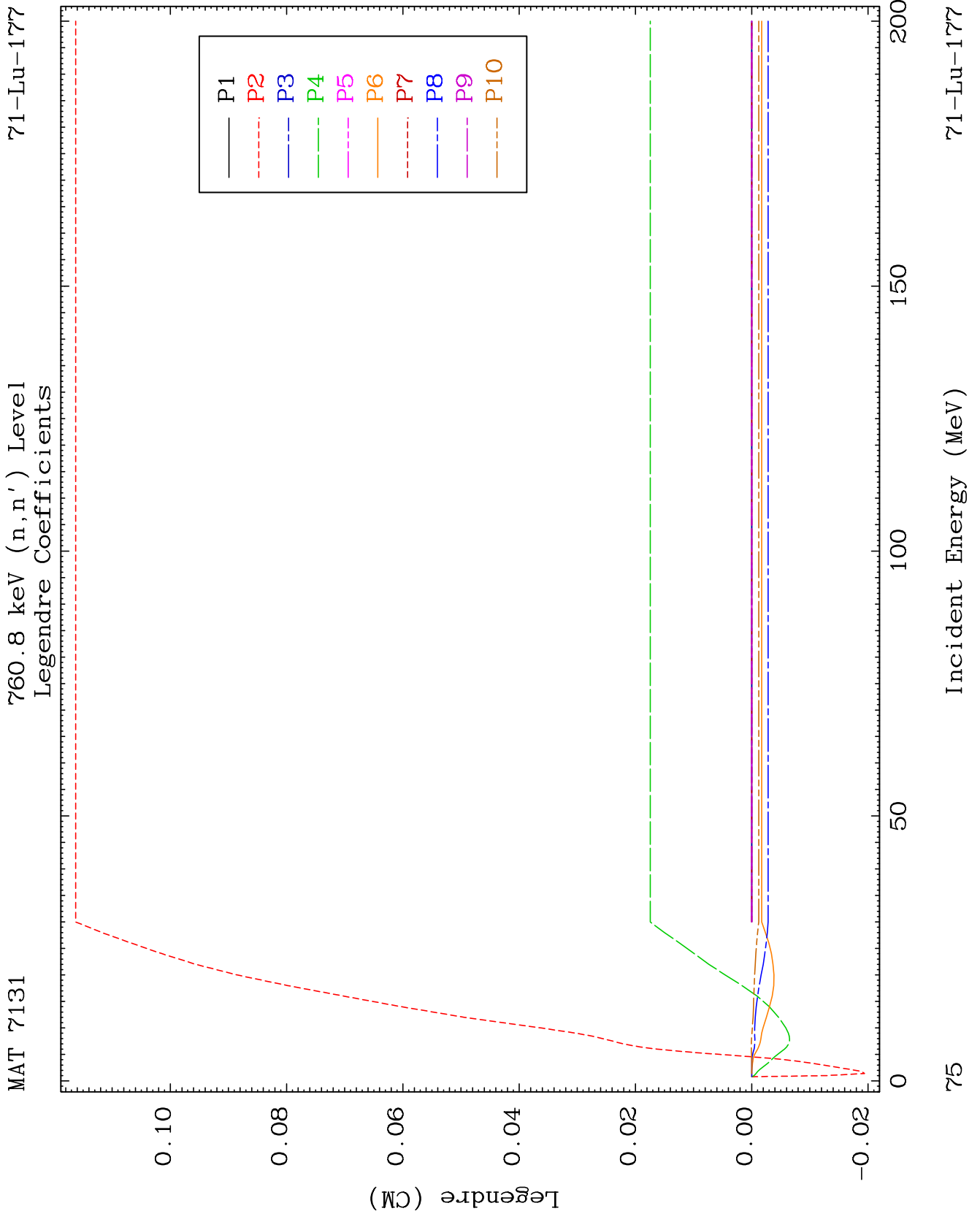
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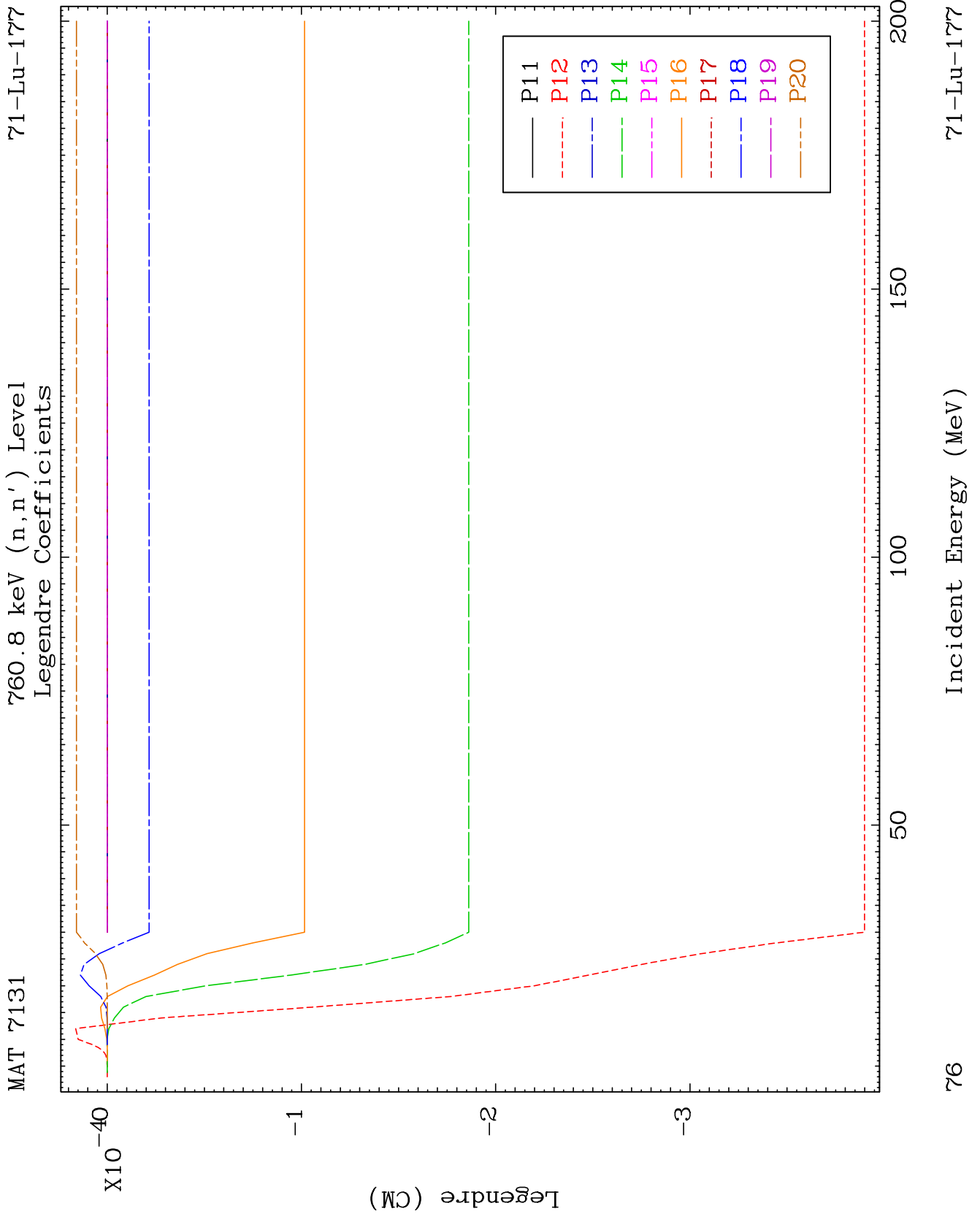


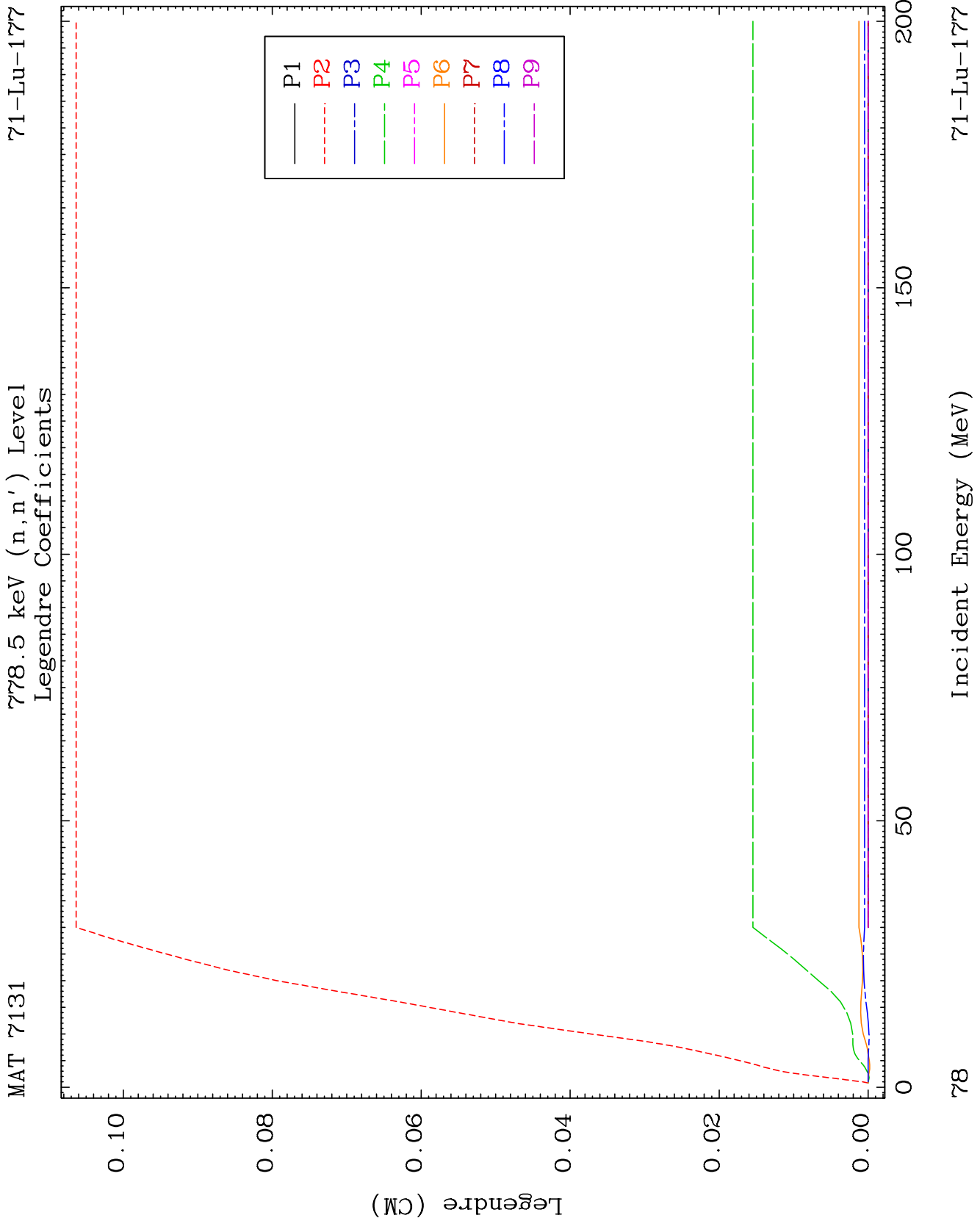


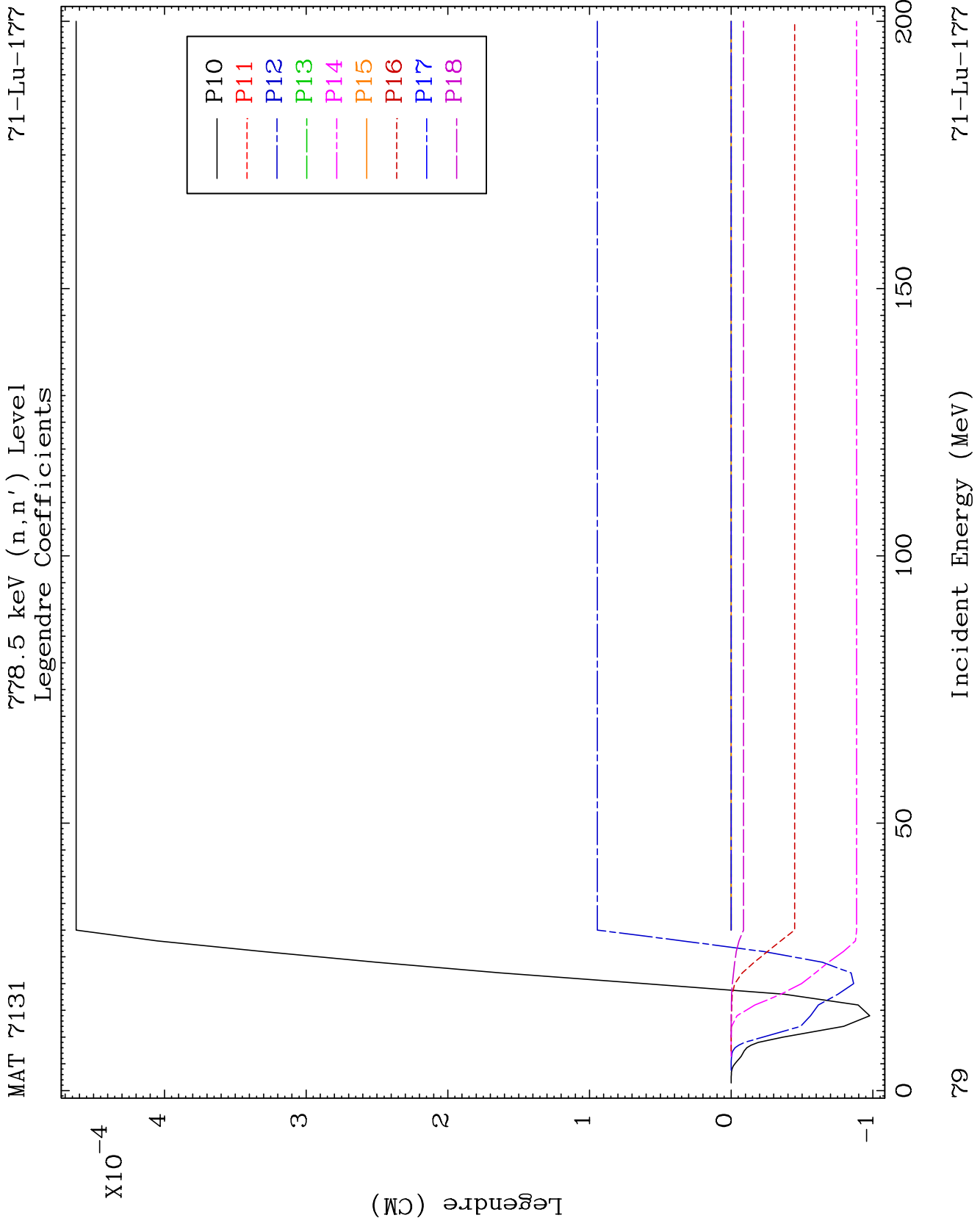


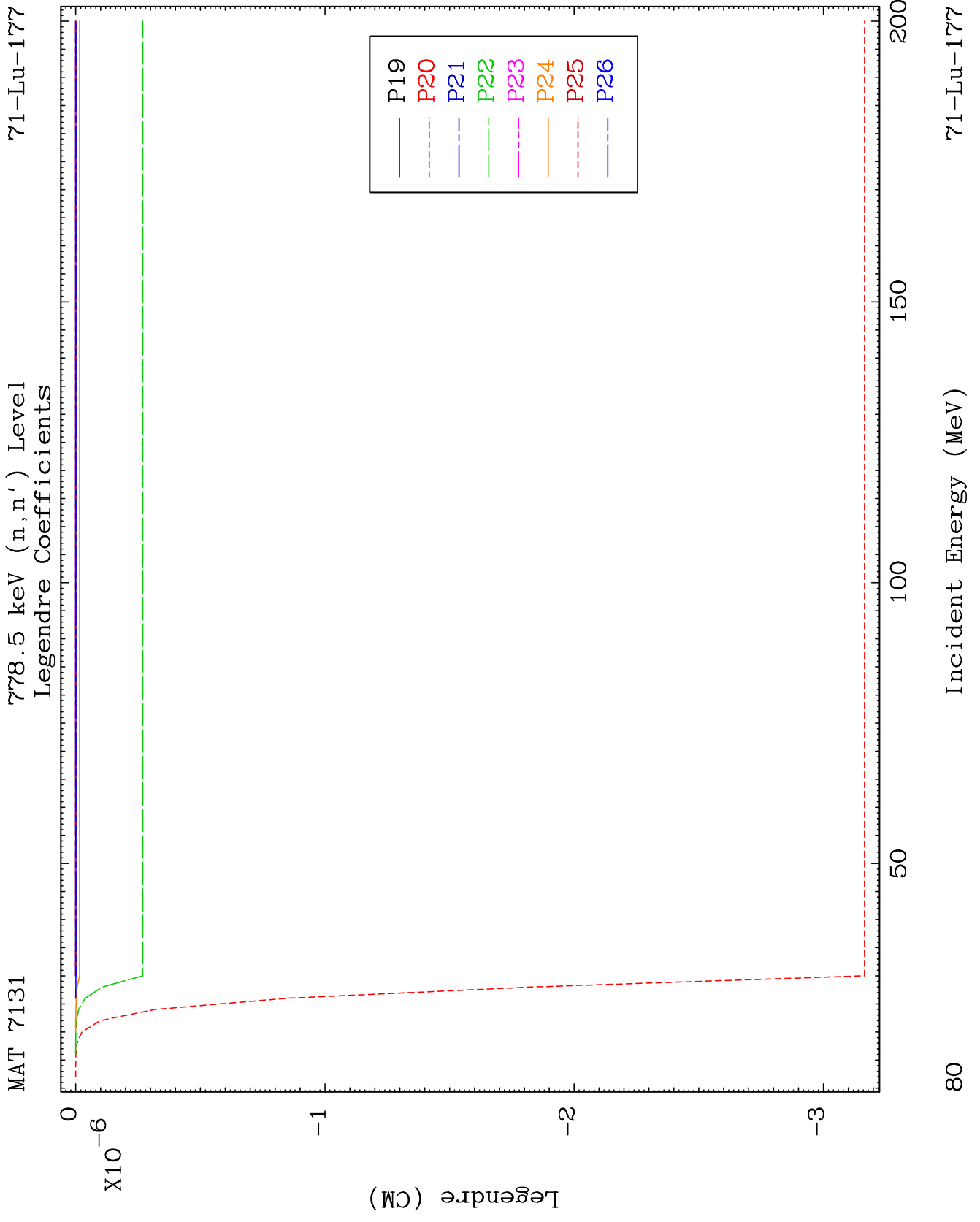


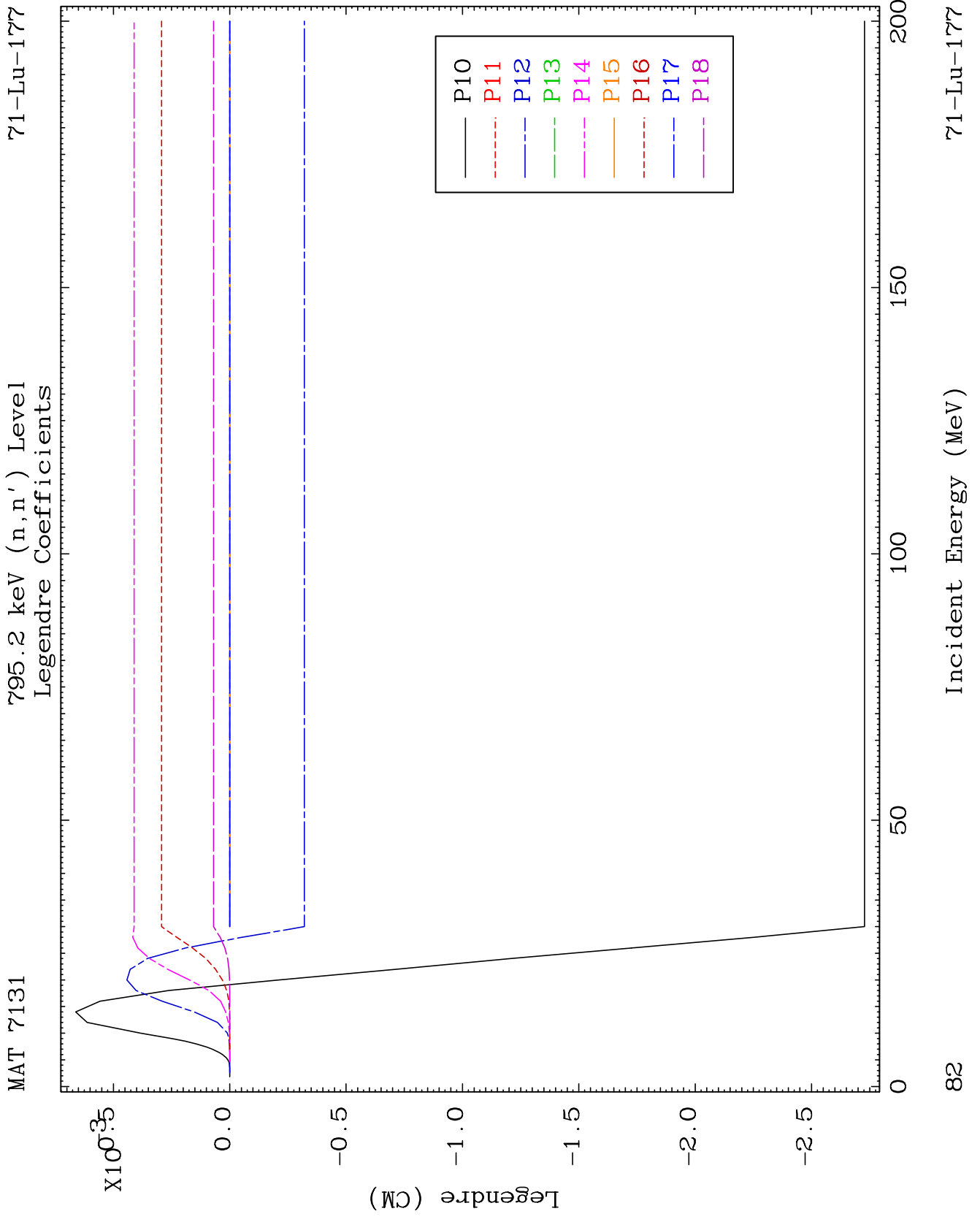


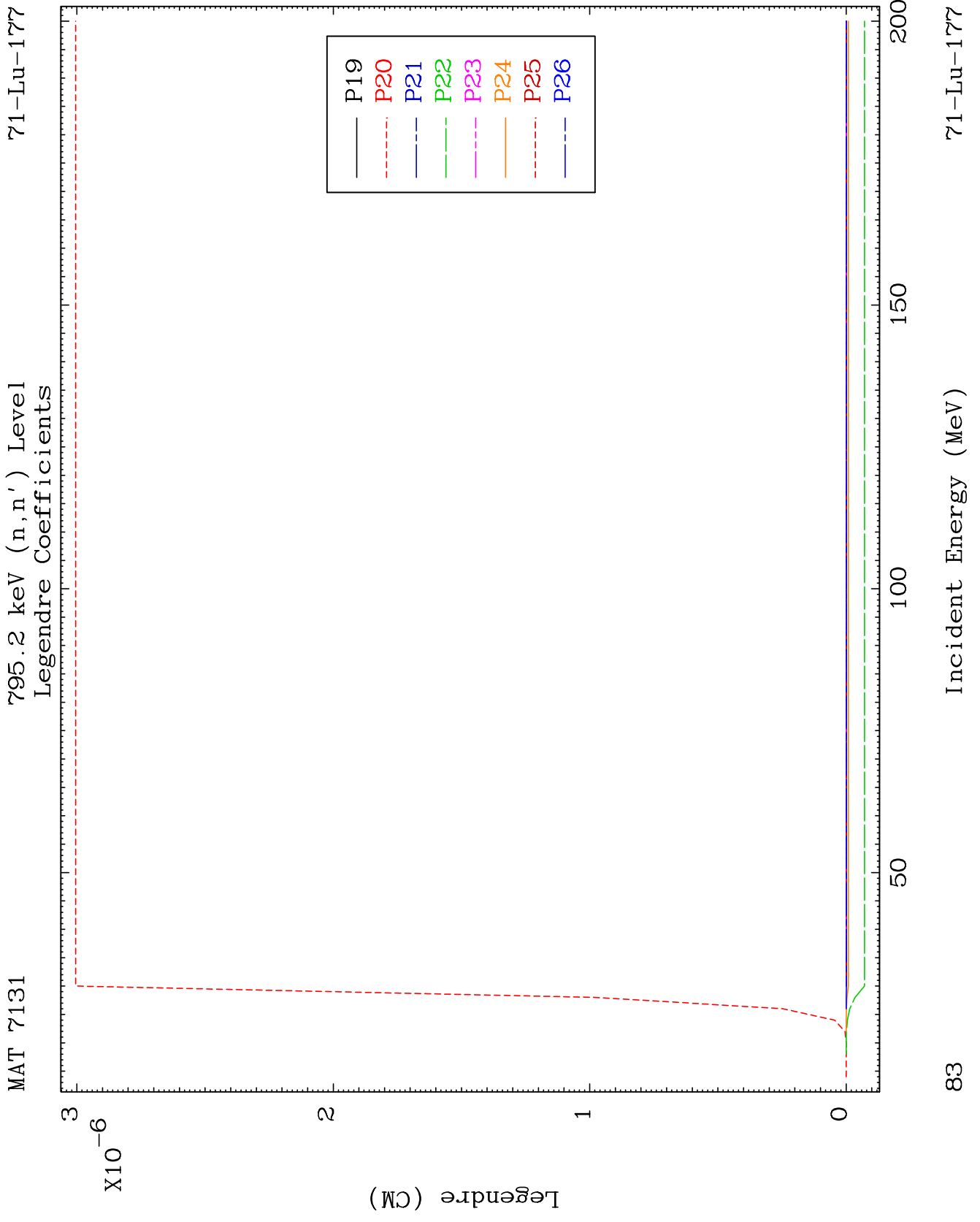


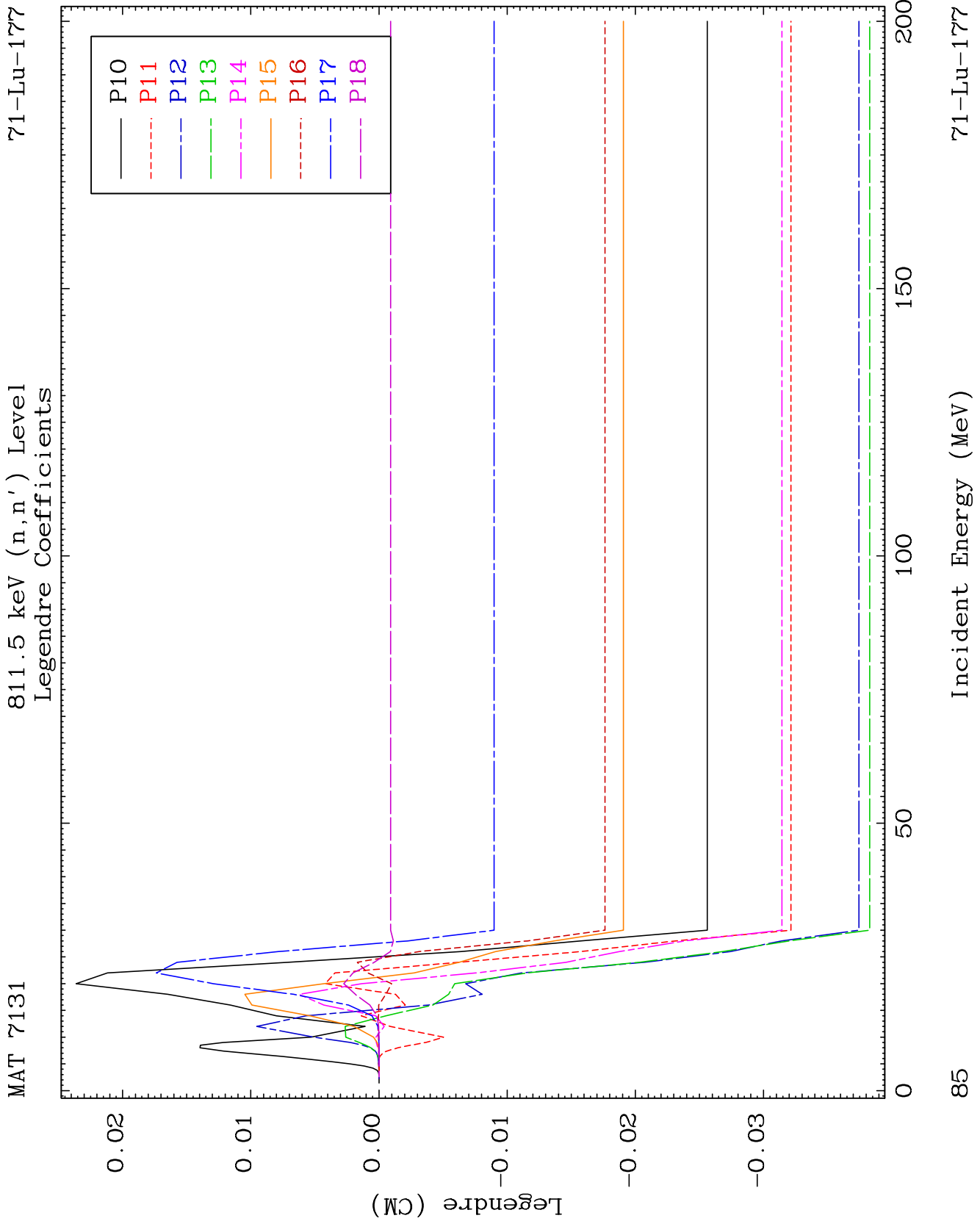


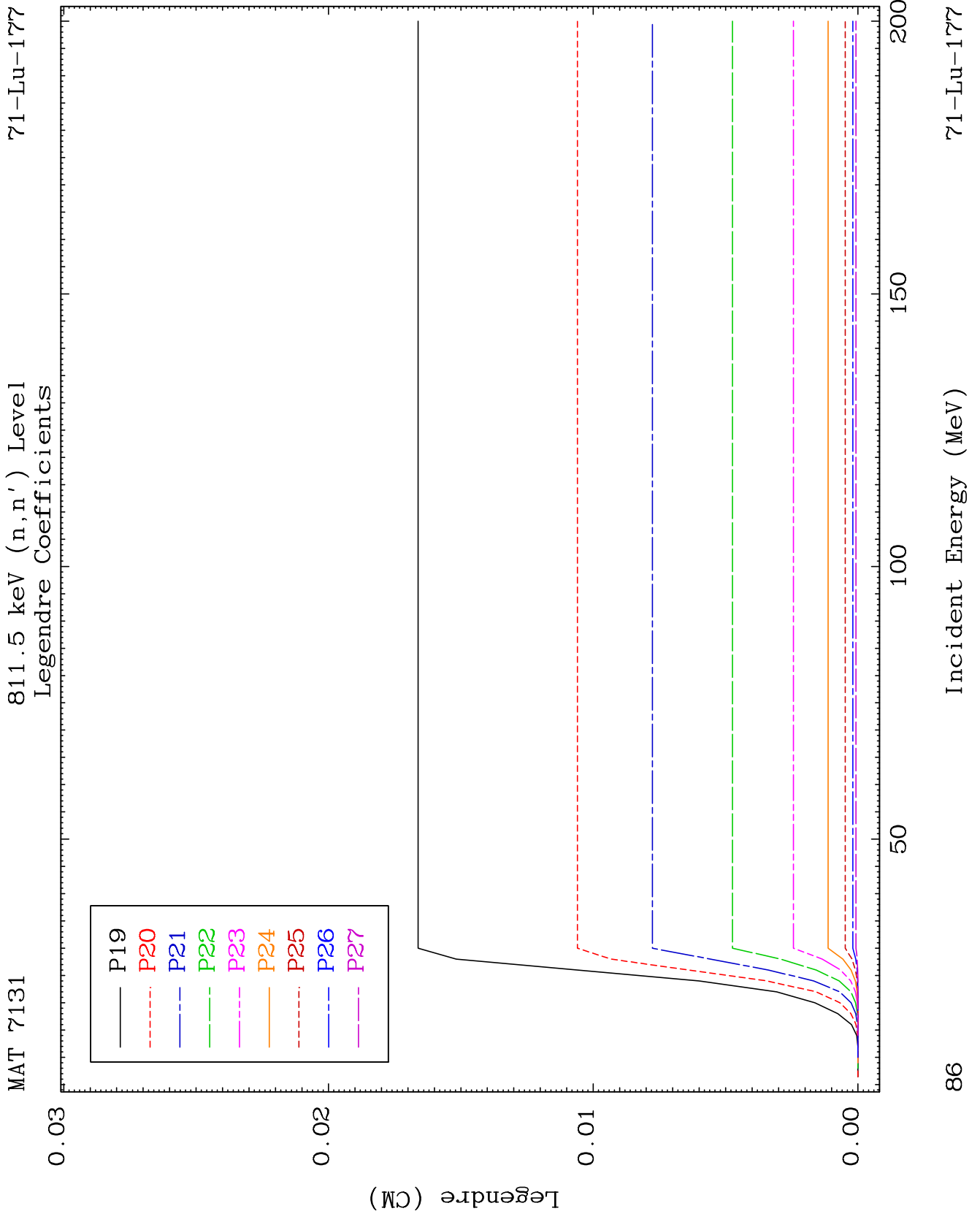


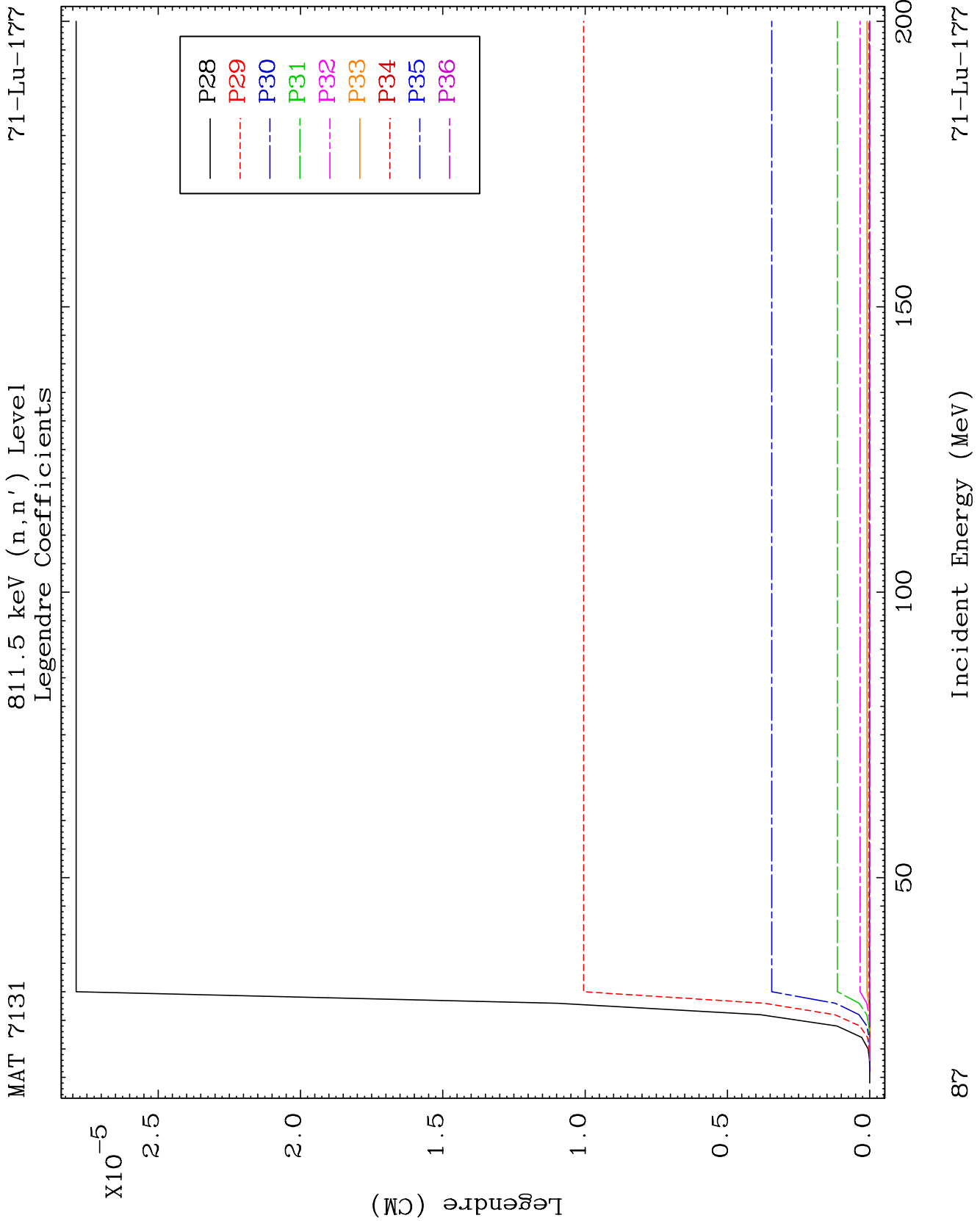


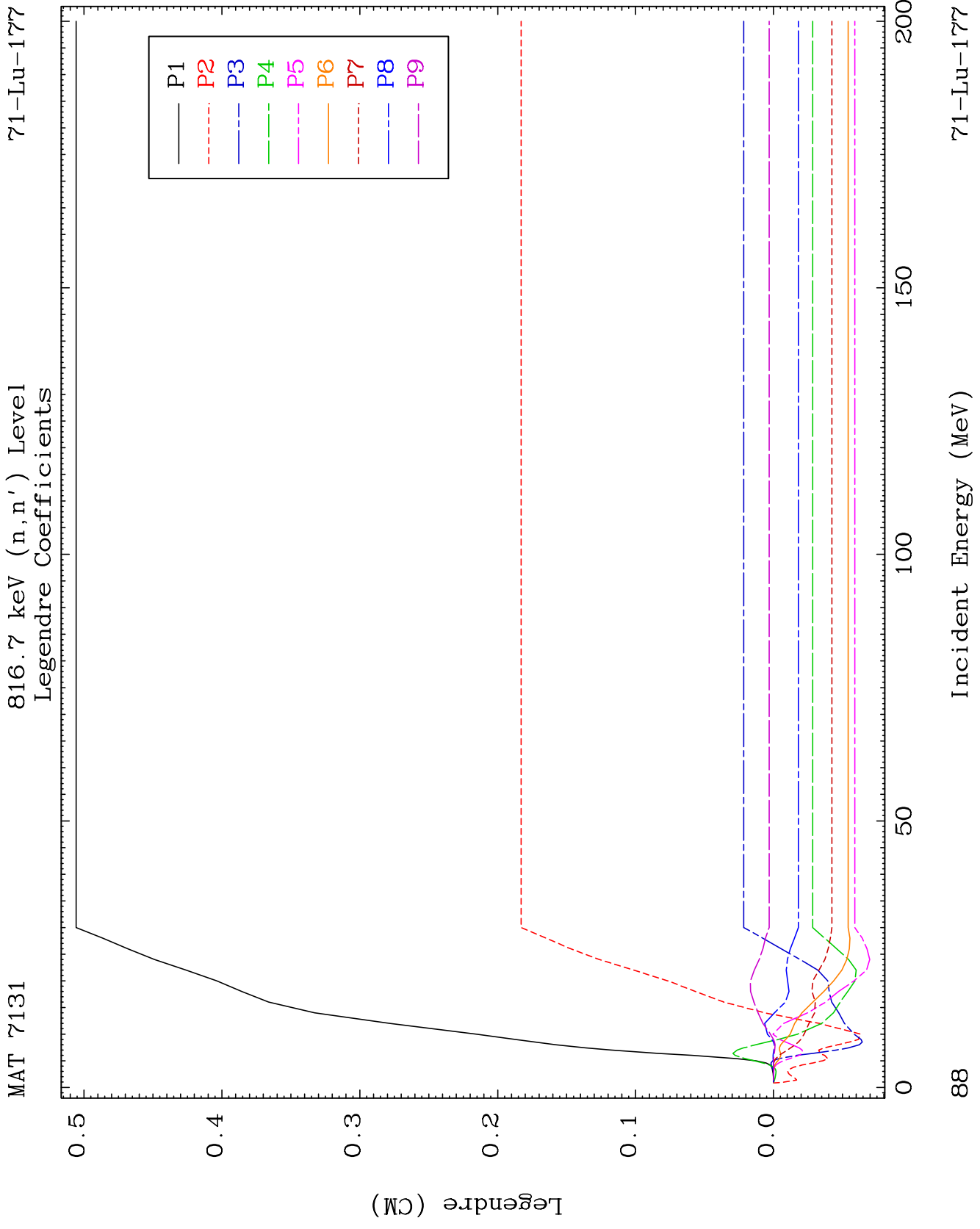


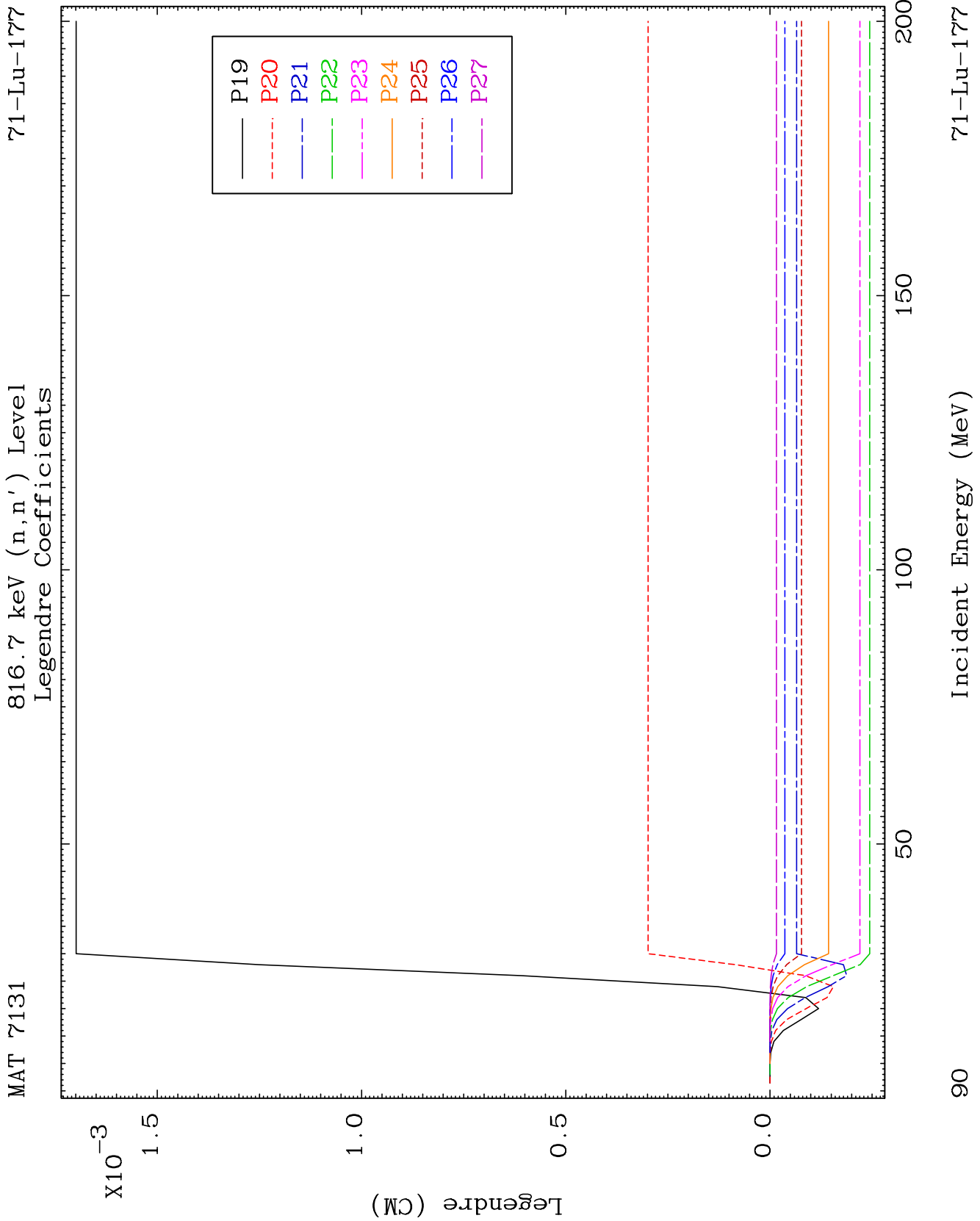


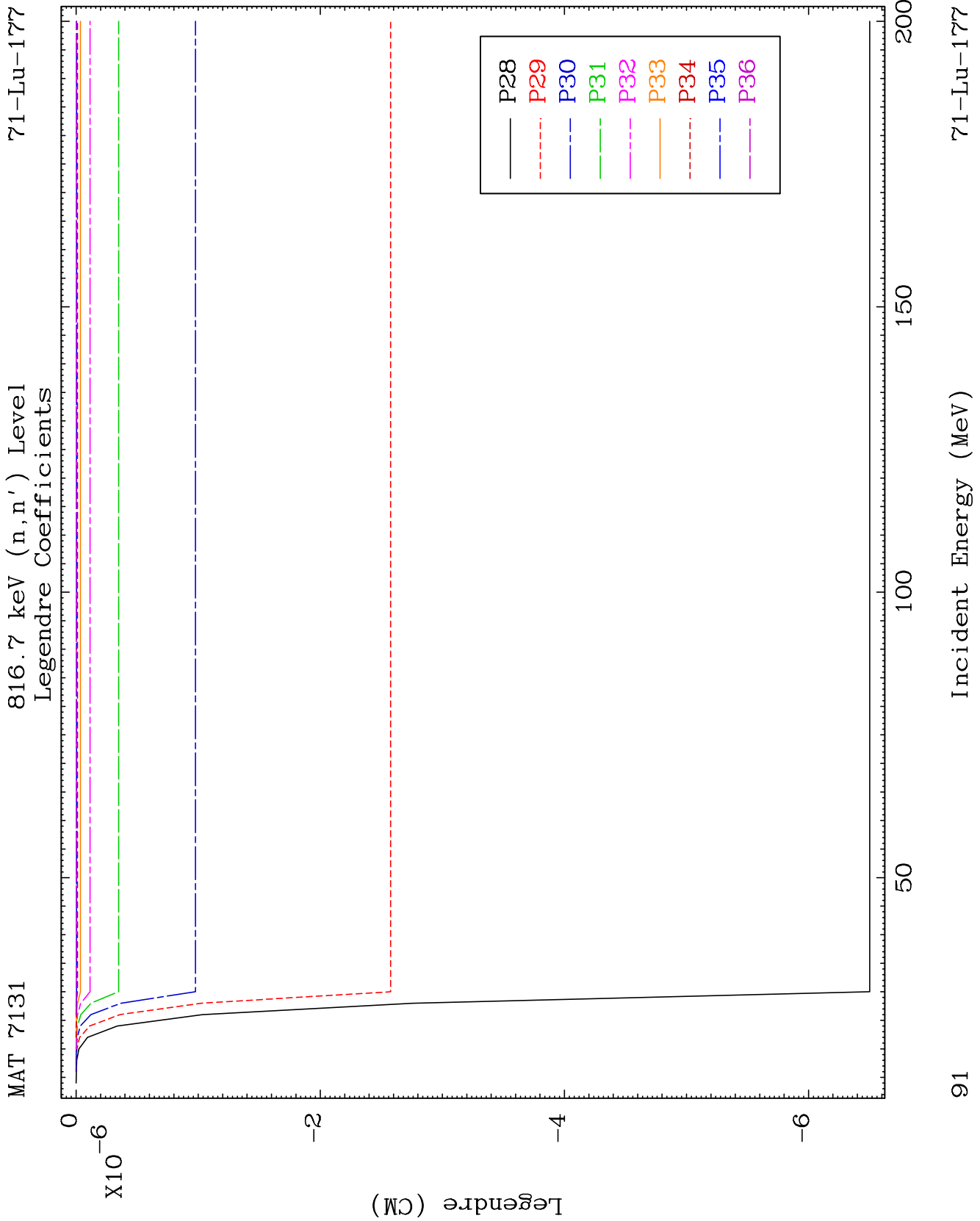








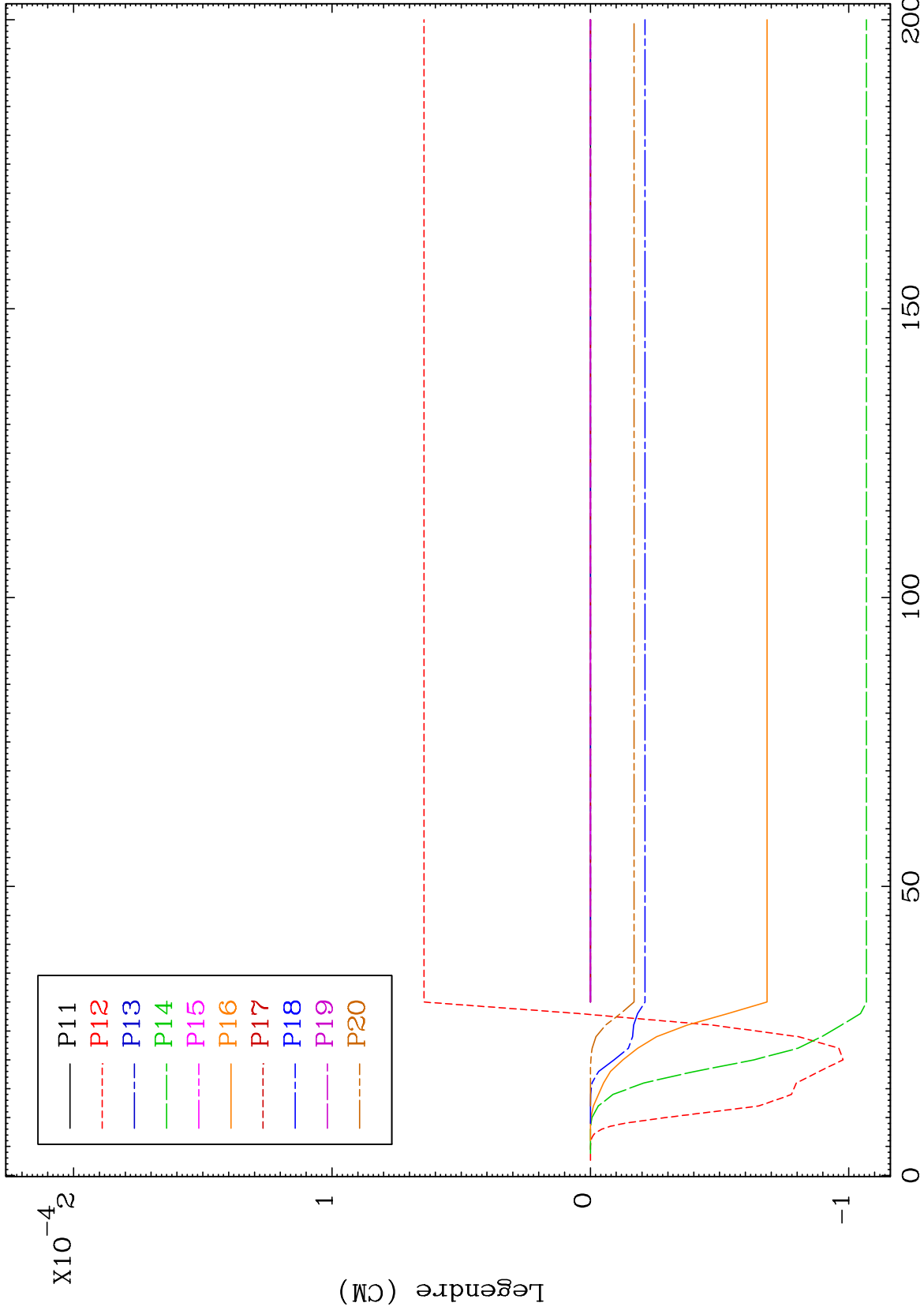


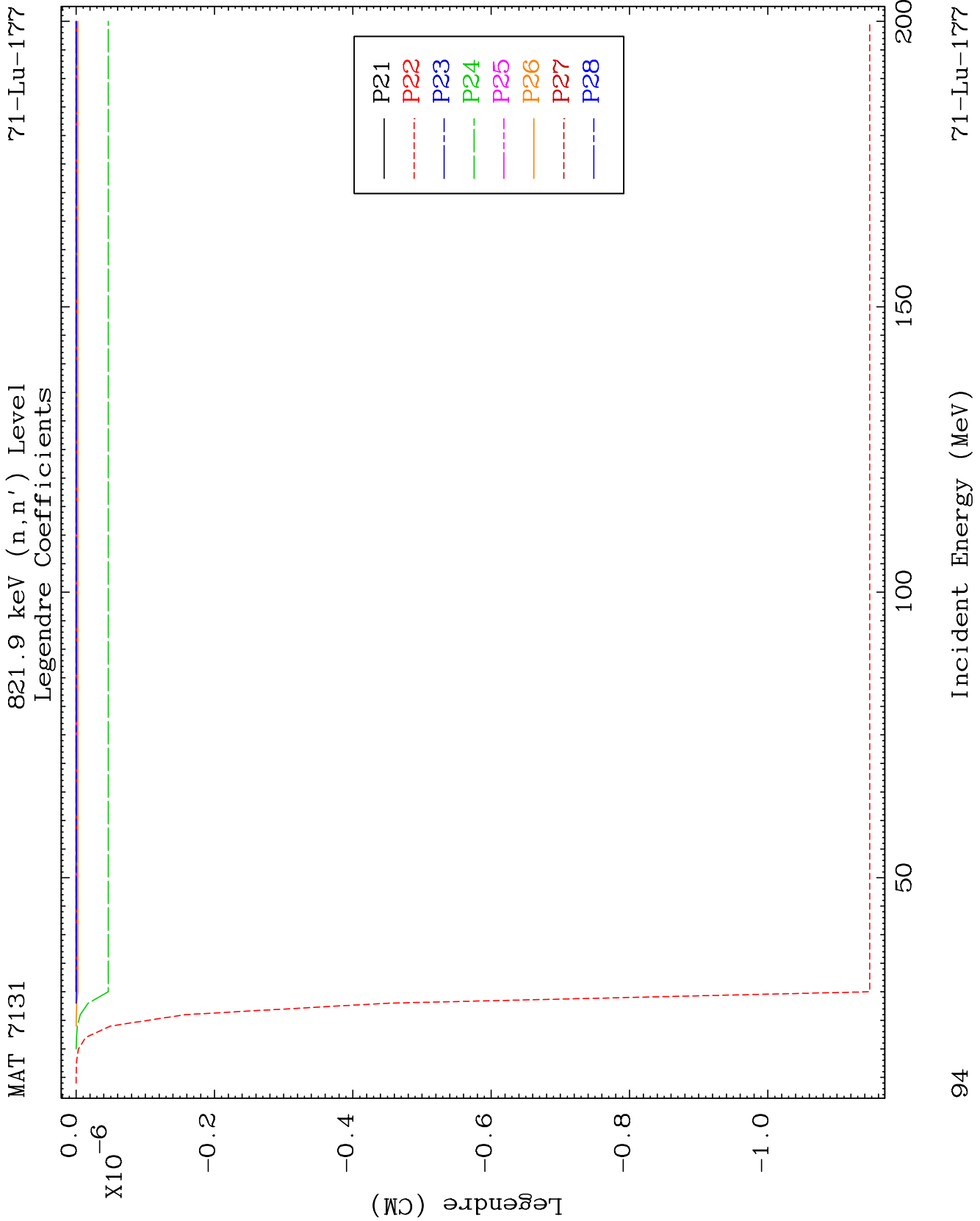


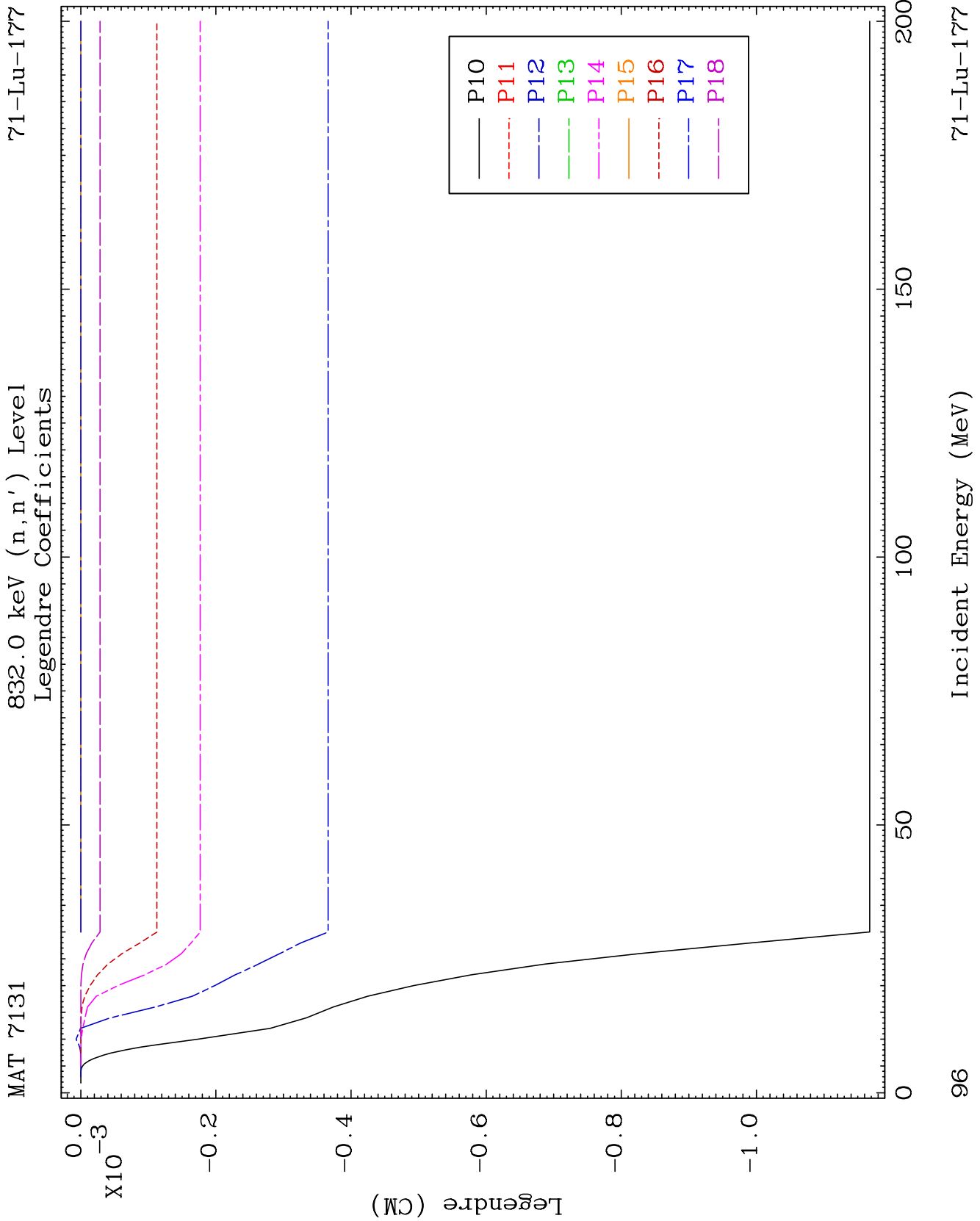
MAT 7131

821.9 keV (n,n') Level
Legendre Coefficients

71-Lu-177



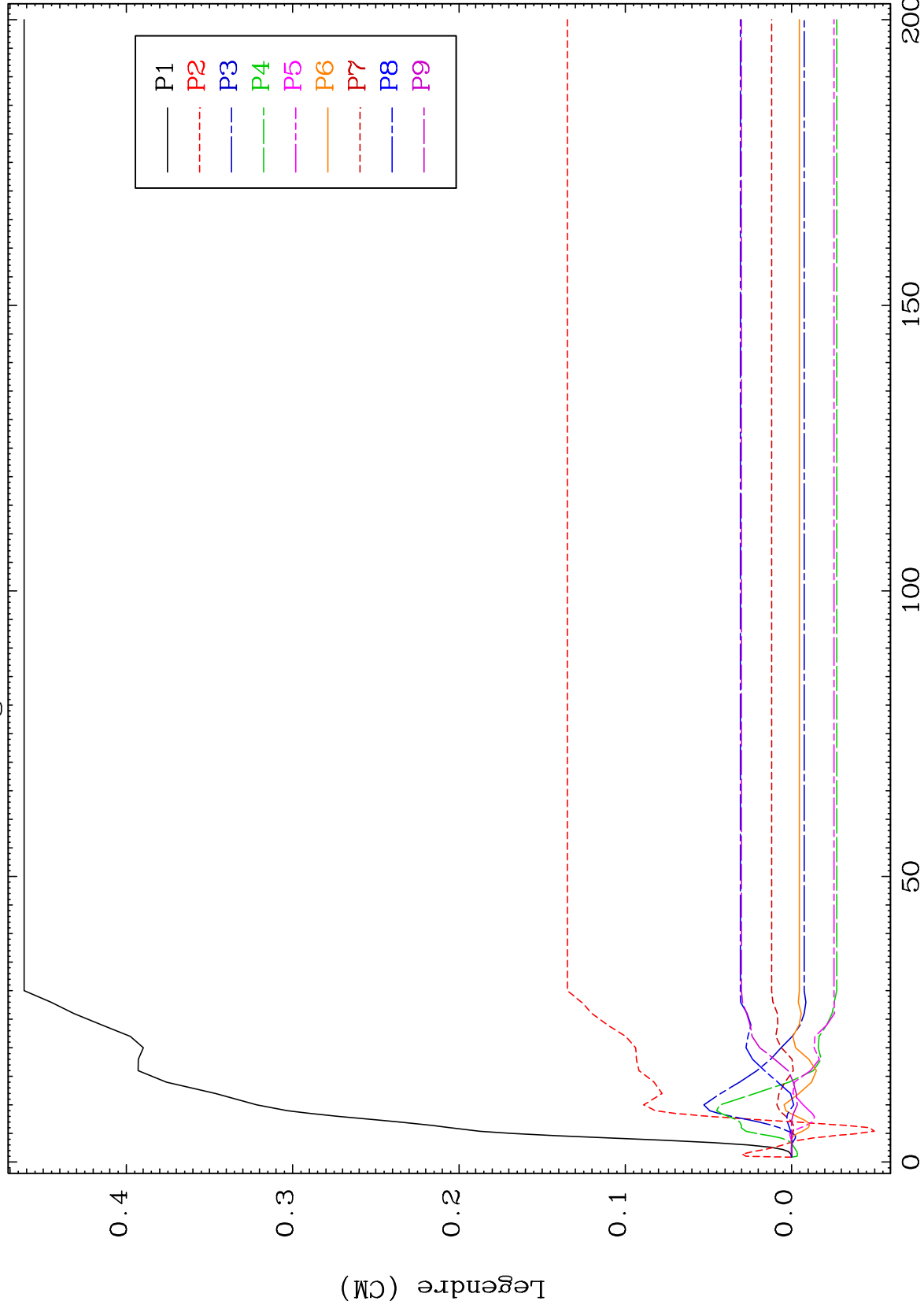




MAT 7131

844.9 keV (n, n') Level
Legendre Coefficients

71-Lu-177



98

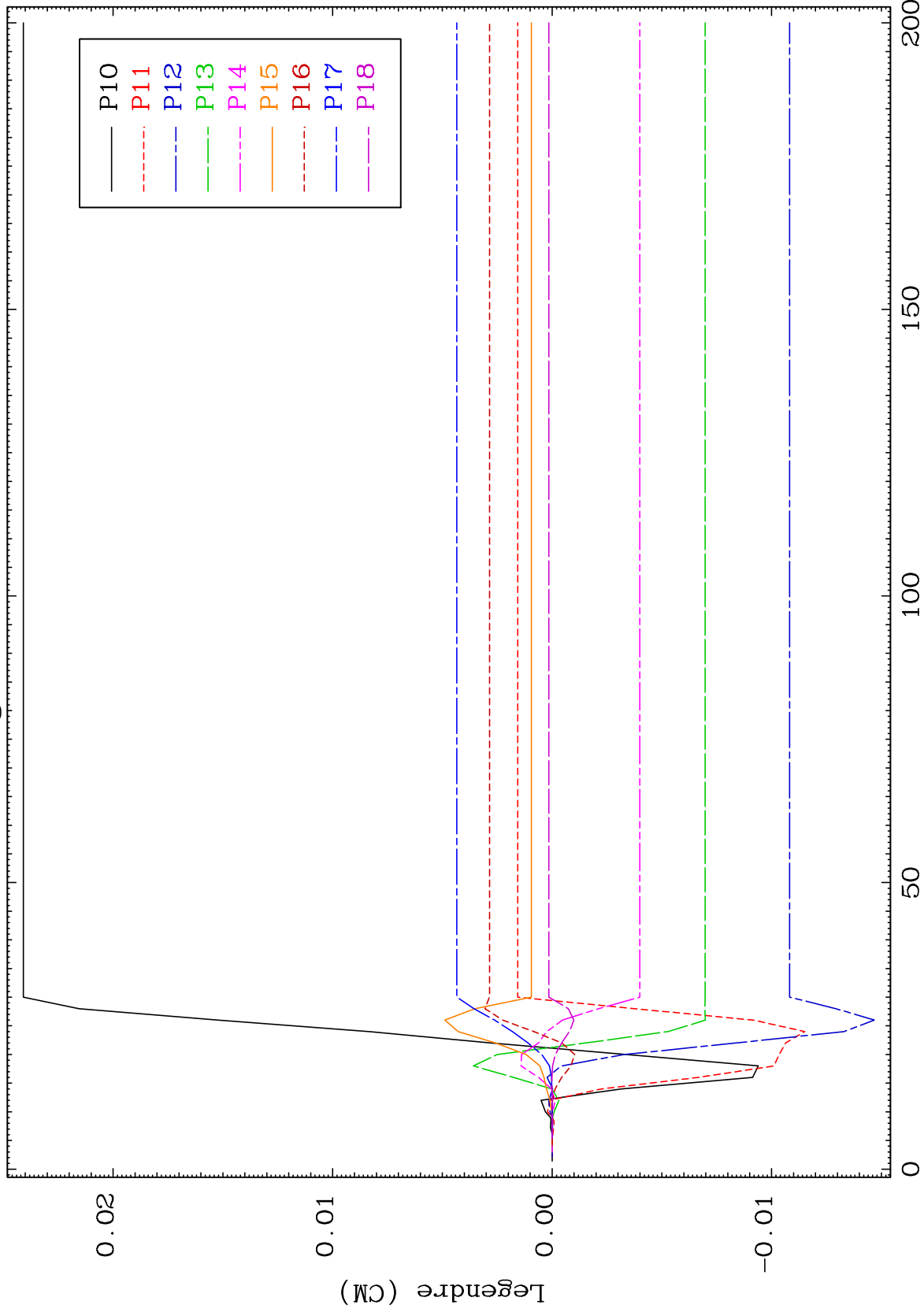
Incident Energy (MeV)

71-Lu-177

MAT 7131

844.9 keV (n, n') Level
Legendre Coefficients

71-Lu-177



99

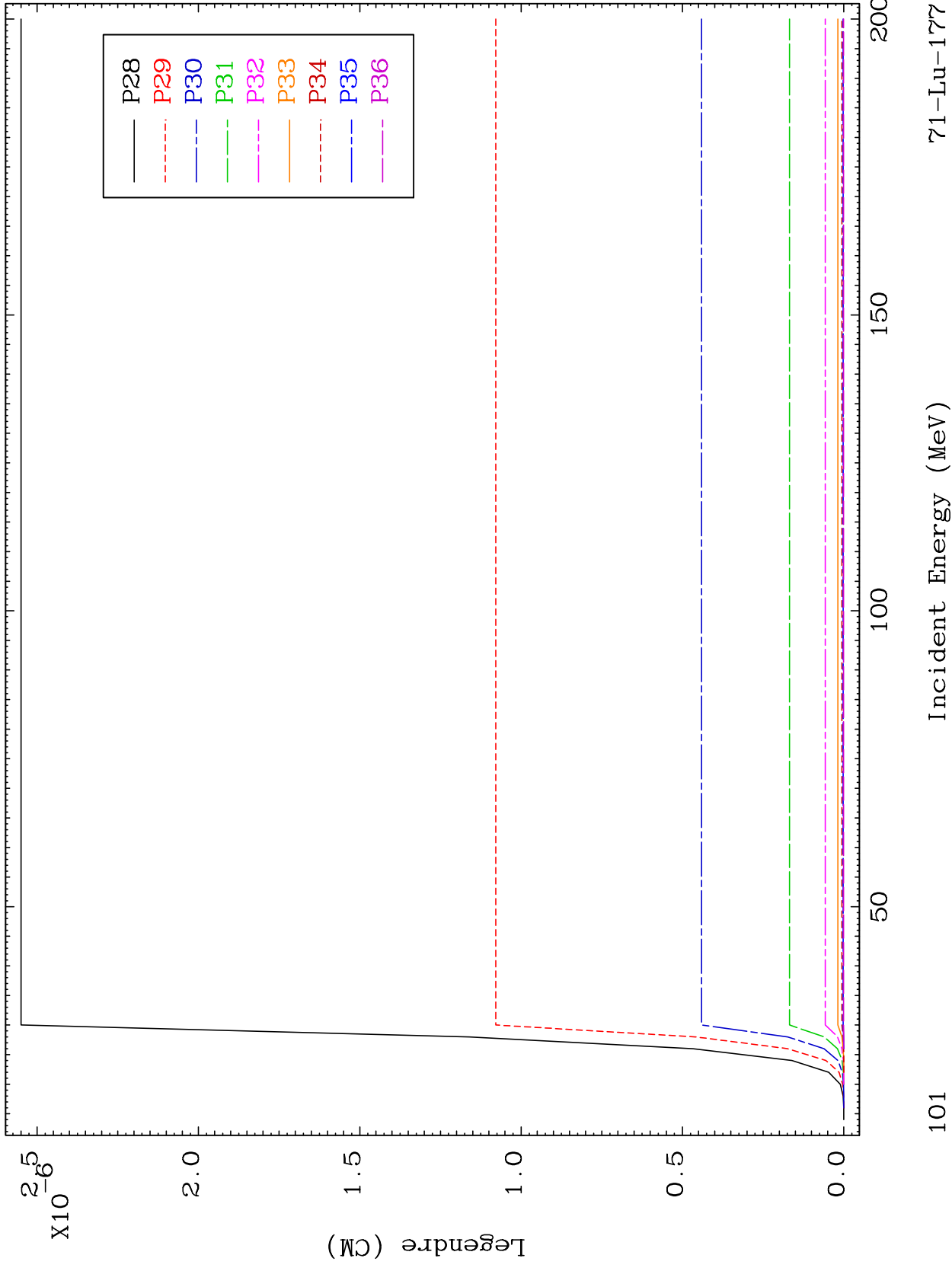
Incident Energy (MeV)

71-Lu-177

MAT 7131

844.9 keV (n, n') Level
Legendre Coefficients

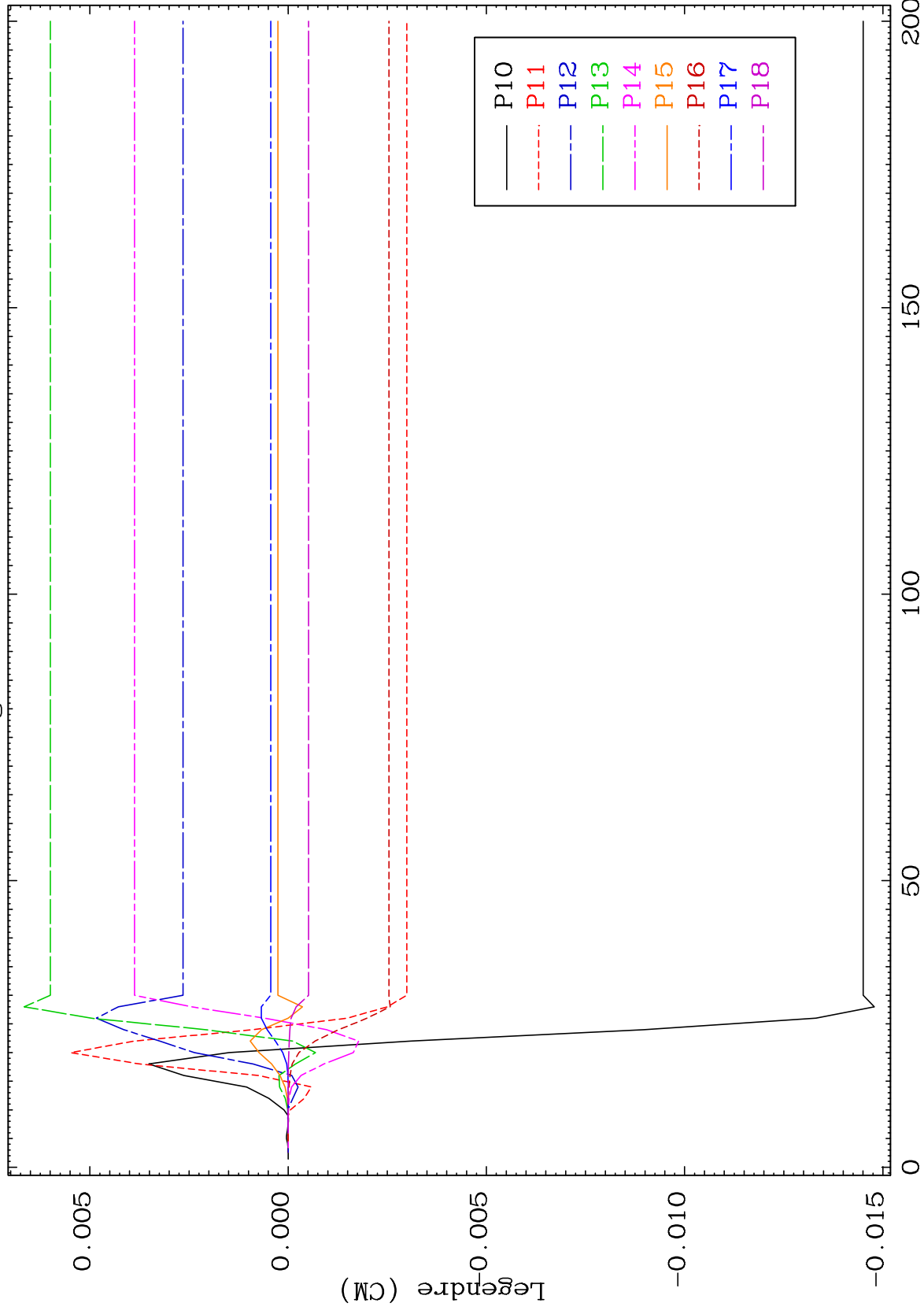
71-Lu-177



MAT 7131

854.3 keV (n,n') Level
Legendre Coefficients

71-Lu-177



103

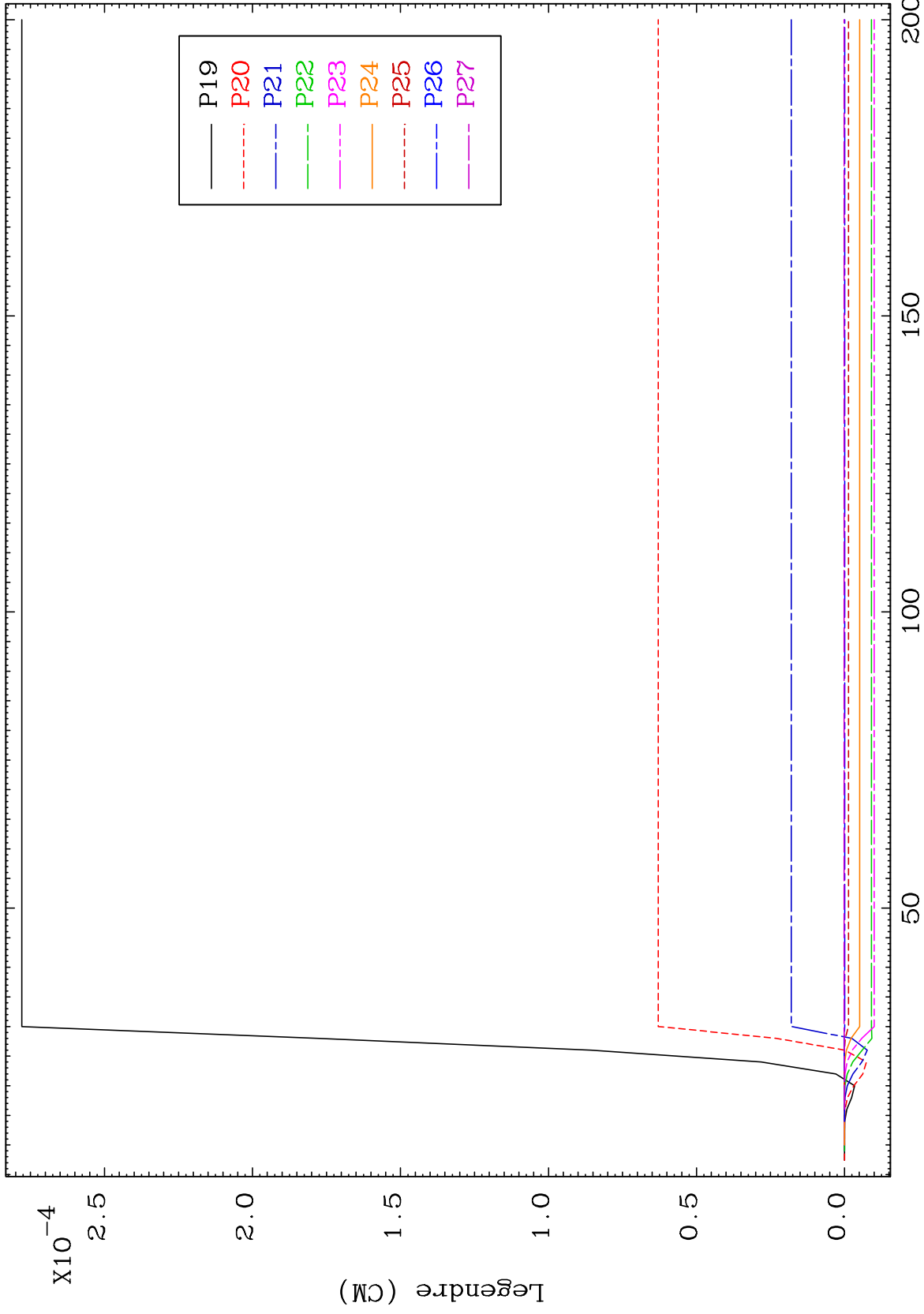
Incident Energy (MeV)

71-Lu-177

MAT 7131

854.3 keV (n, n') Level
Legendre Coefficients

71-Lu-177



104

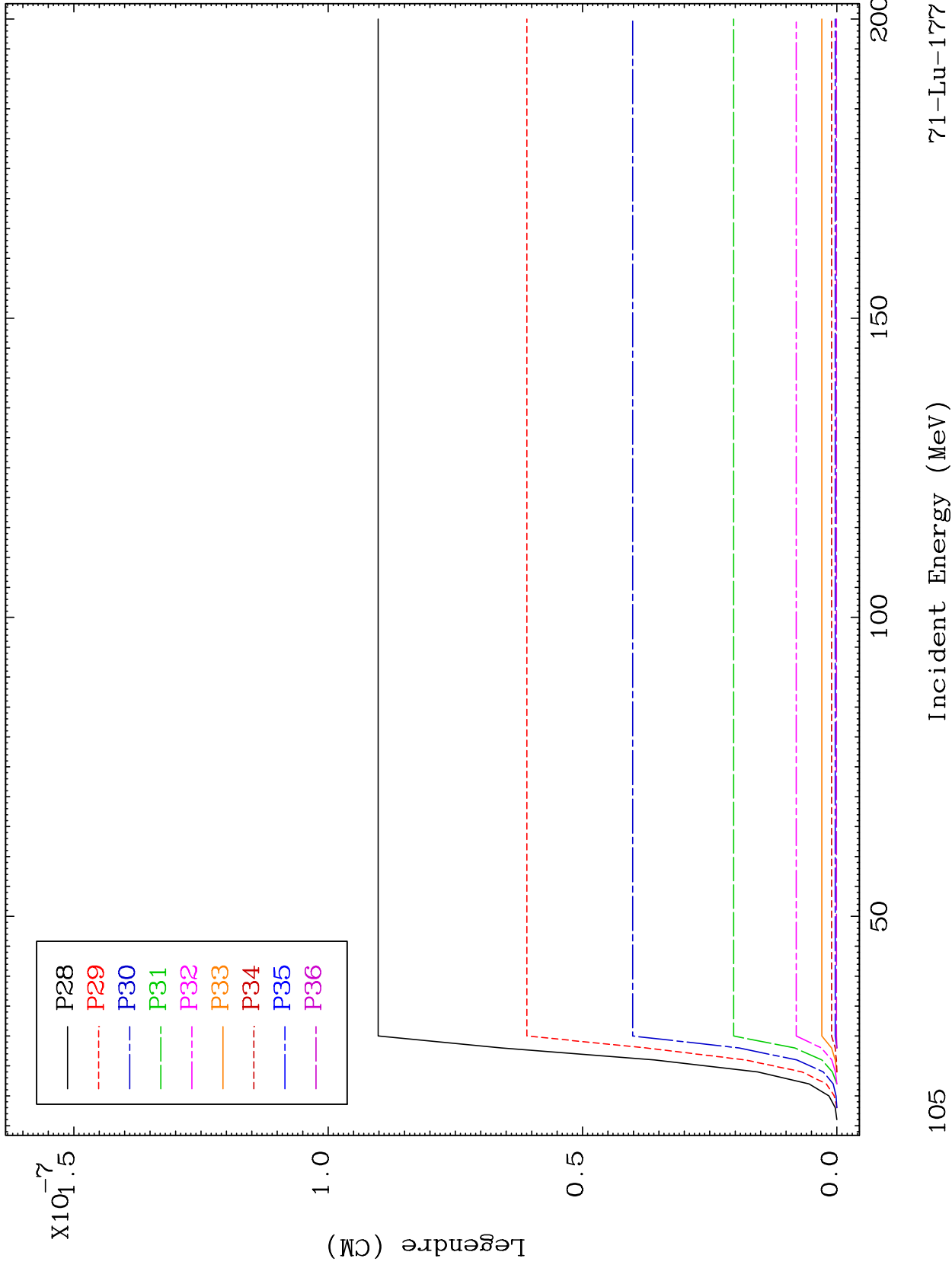
Incident Energy (MeV)

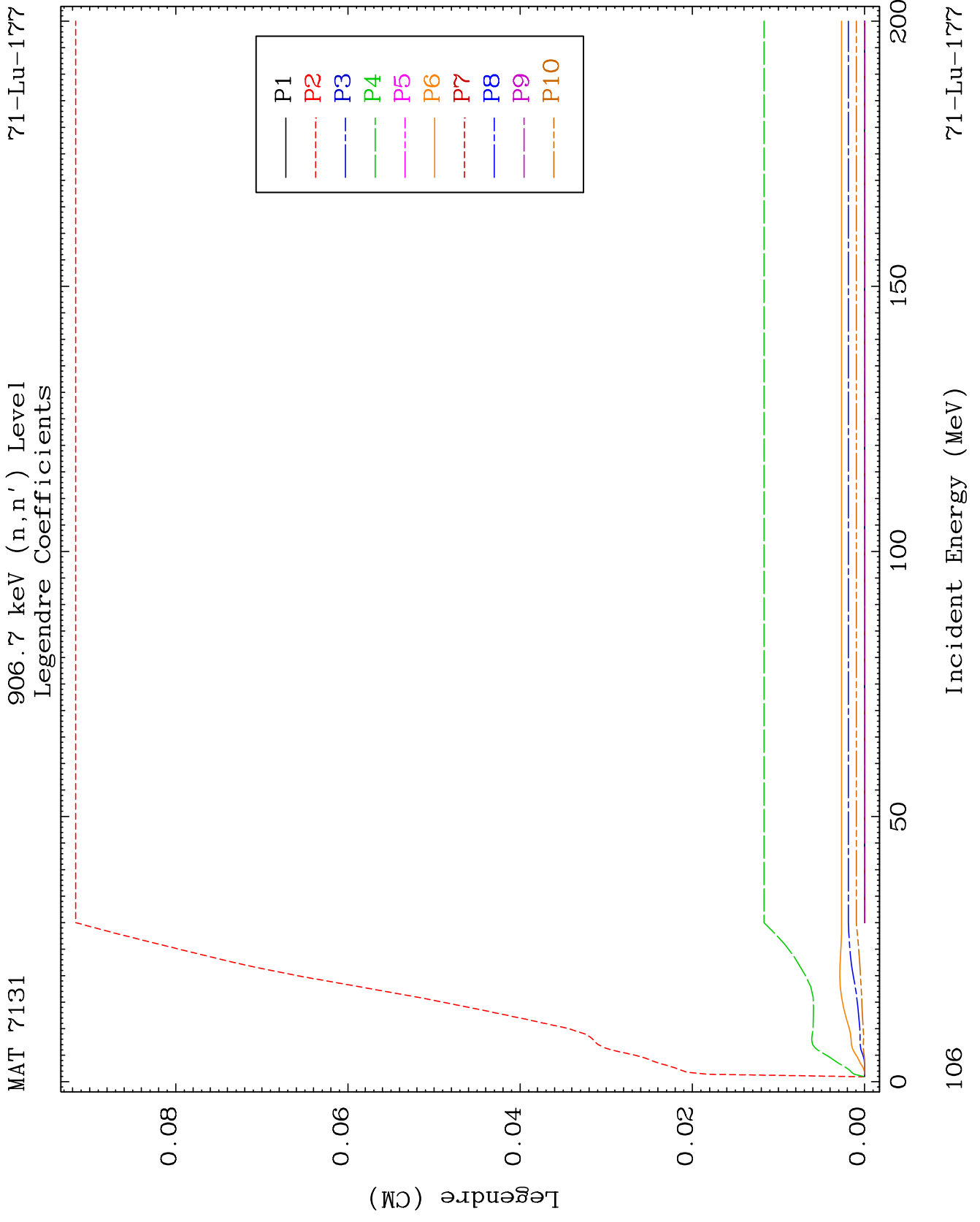
71-Lu-177

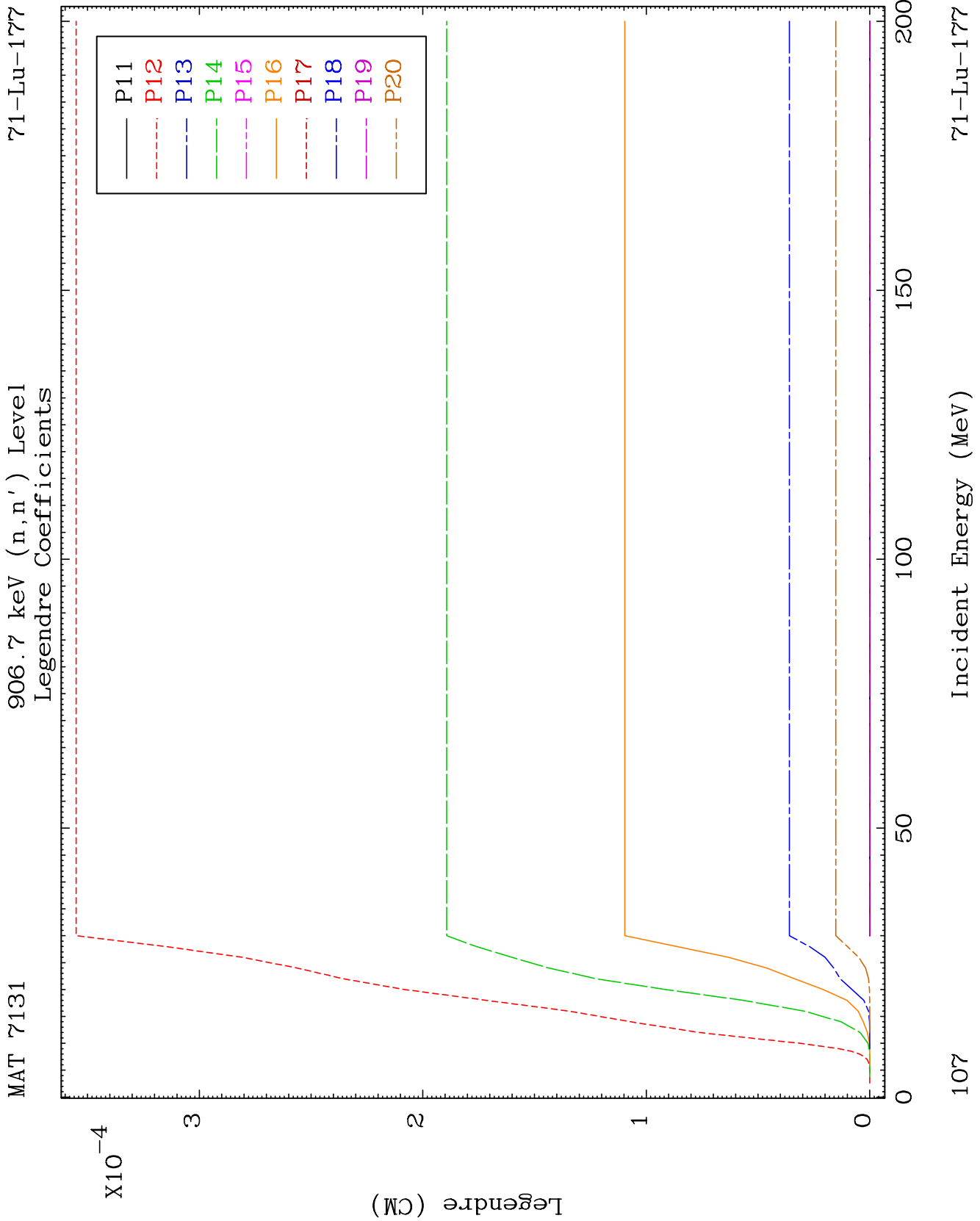
MAT 7131

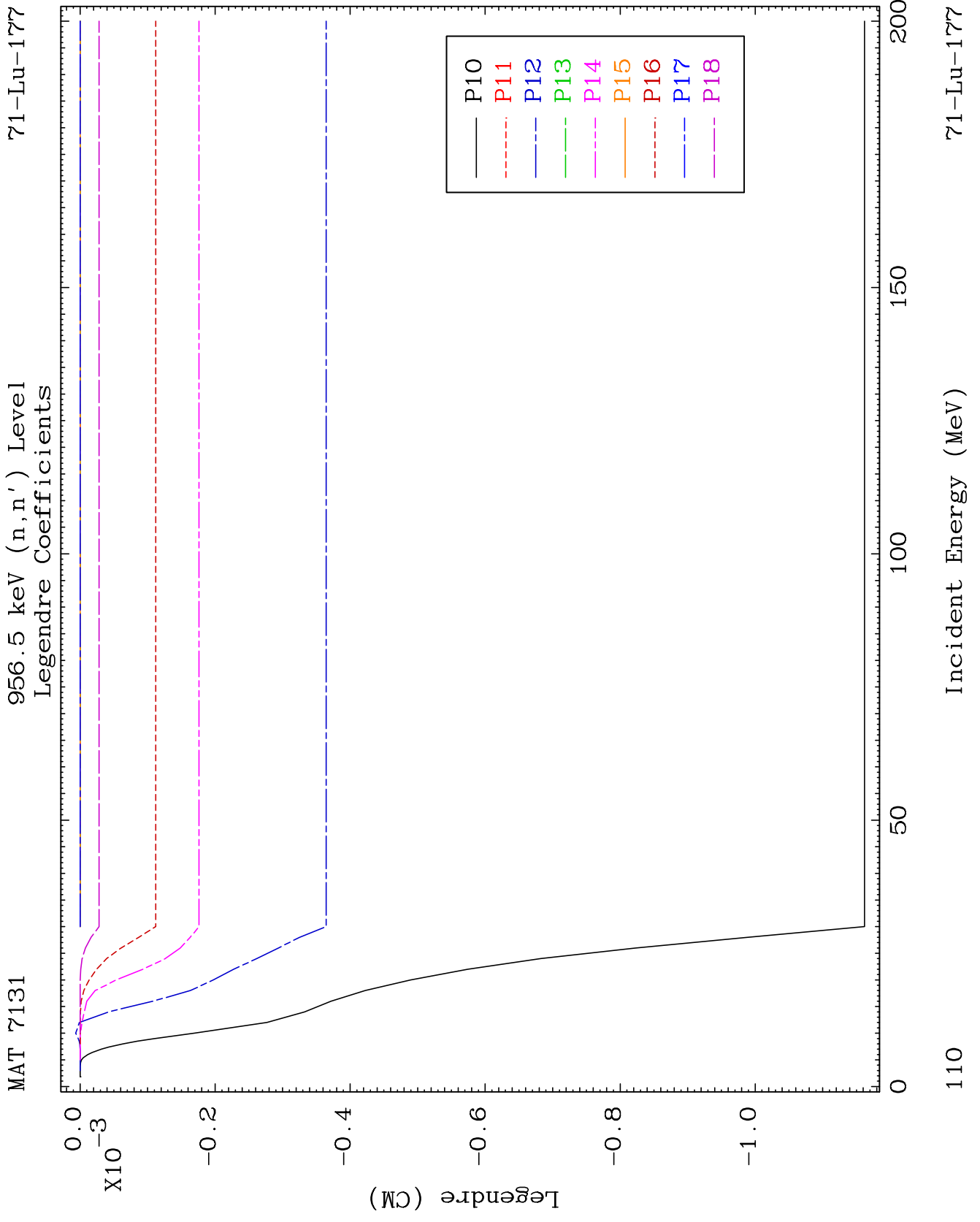
854.3 keV (n, n') Level
Legendre Coefficients

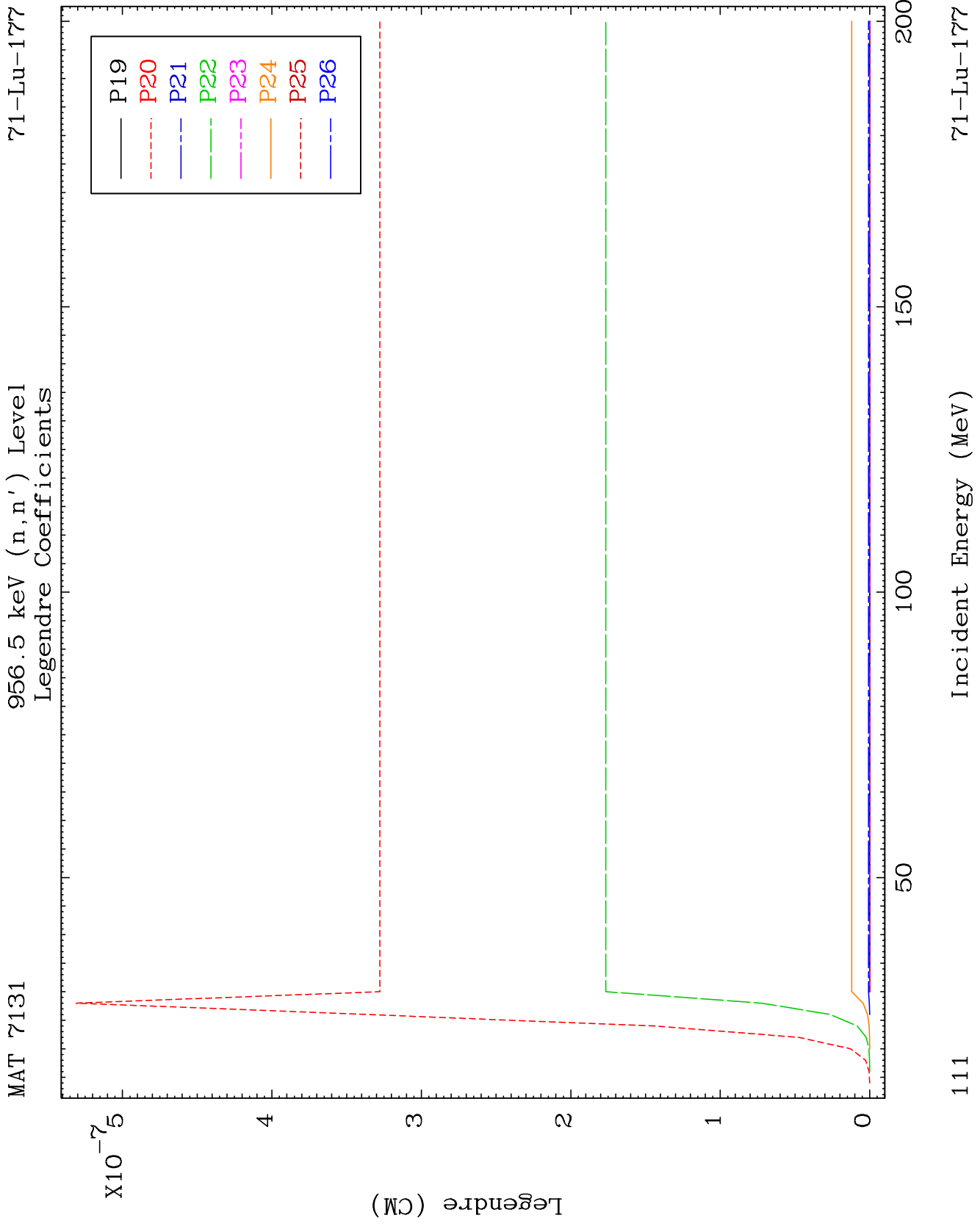
71-Lu-177

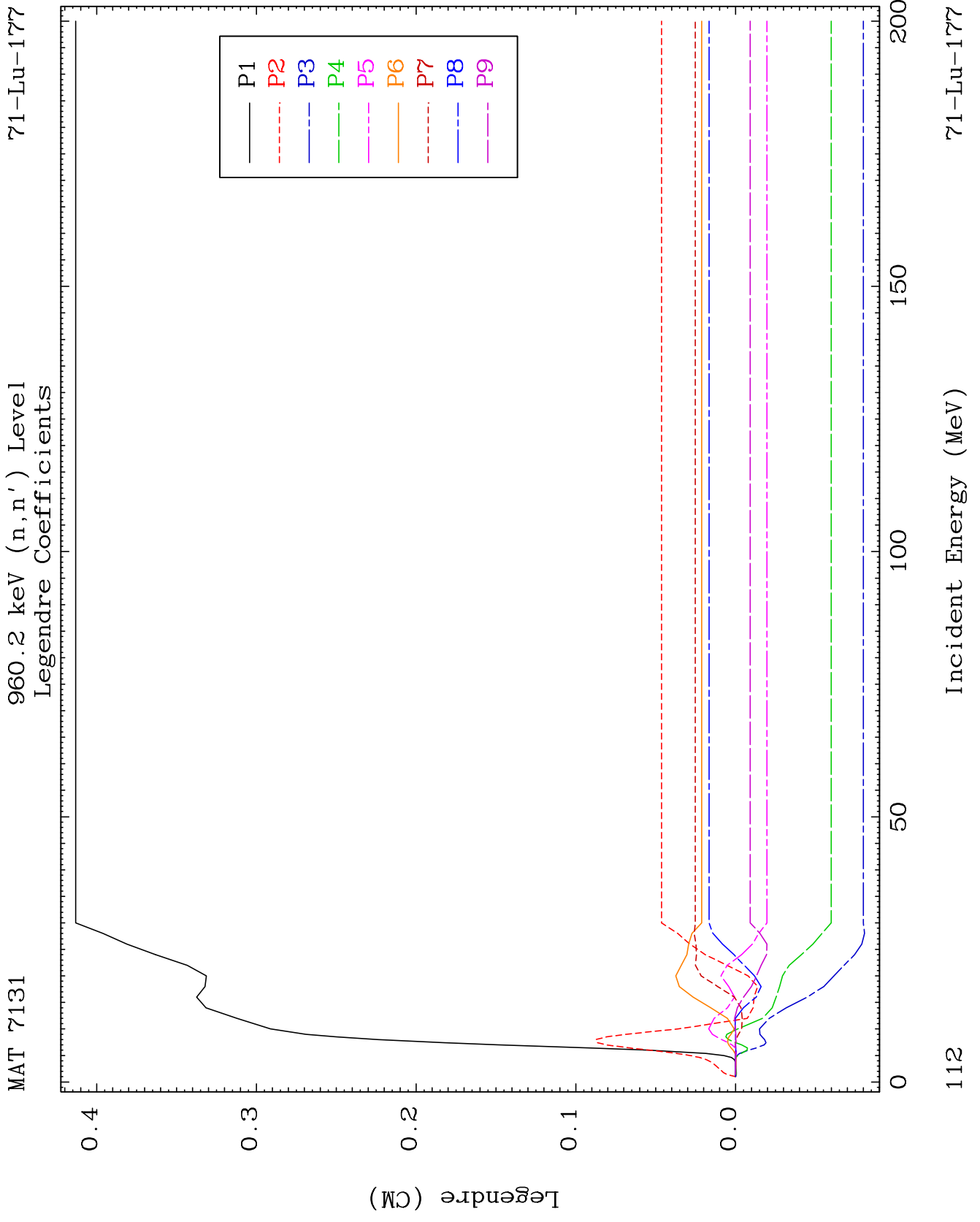


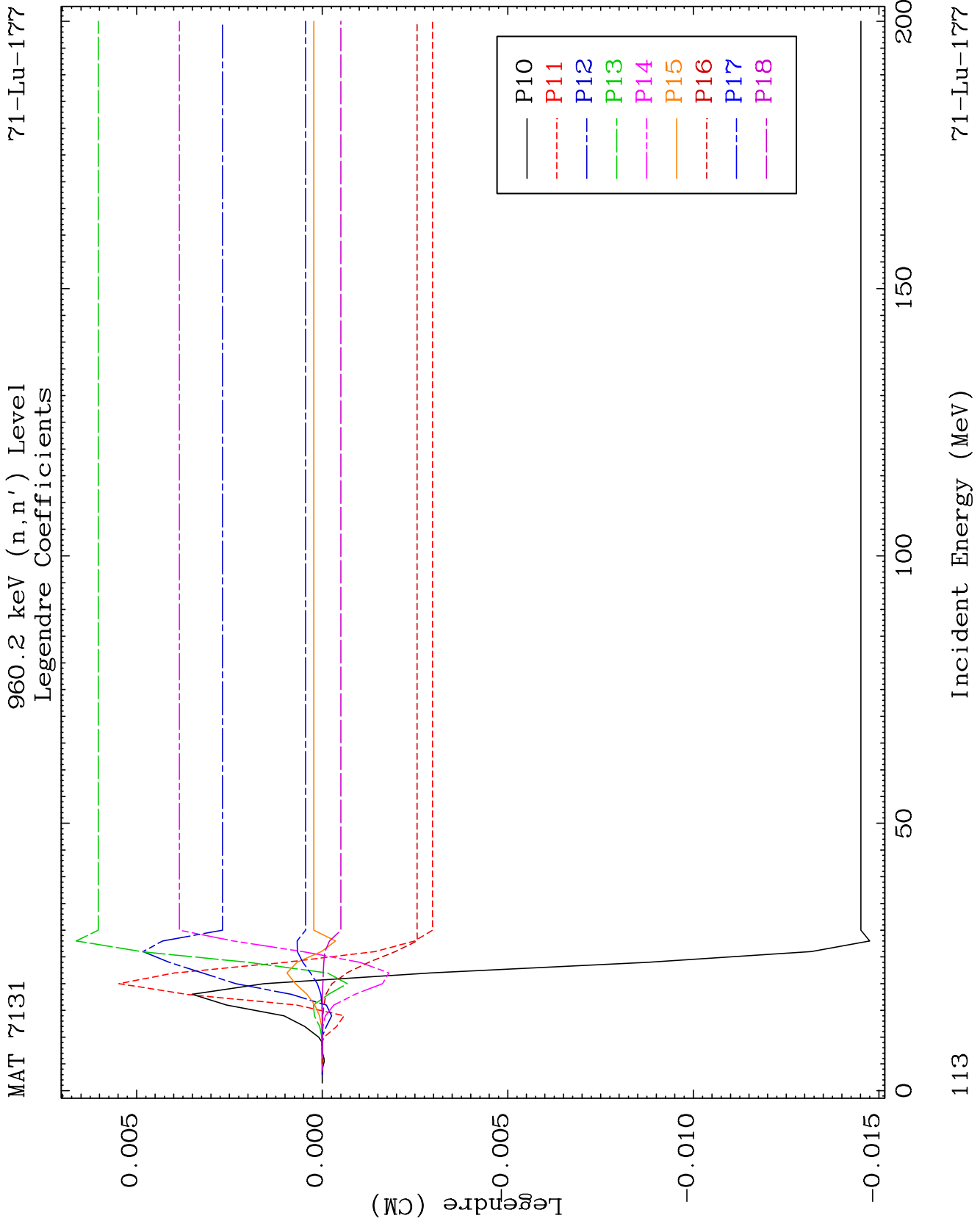


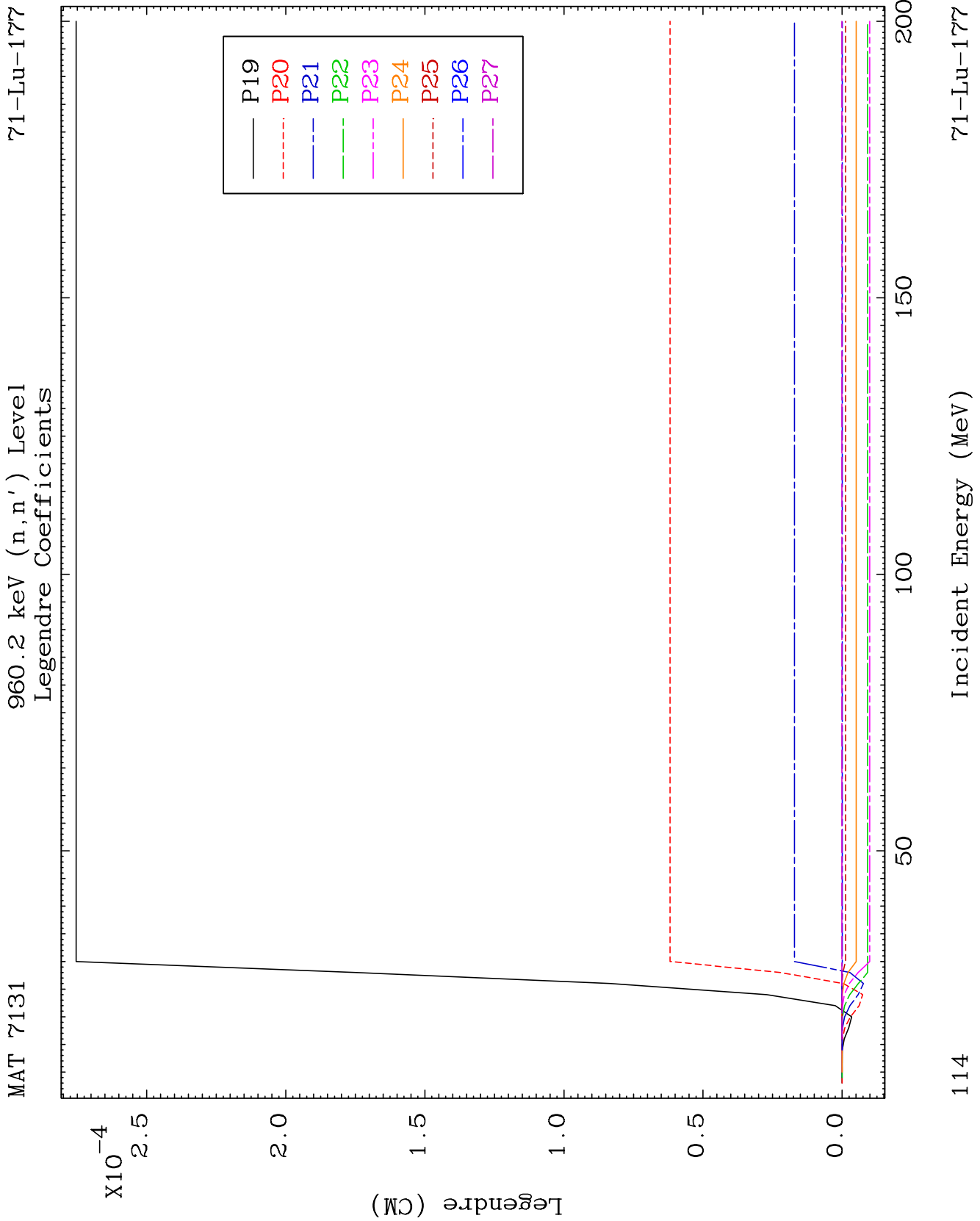








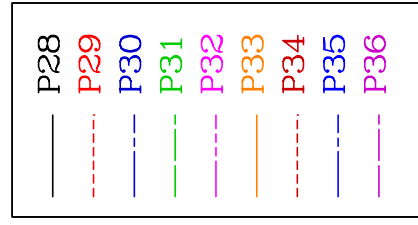




MAT 7131

960.2 keV (n,n') Level
Legendre Coefficients

71-Lu-177



$\times 10^{-7}$

Legendre (CM)

1.0

0.5

0.0

50

100

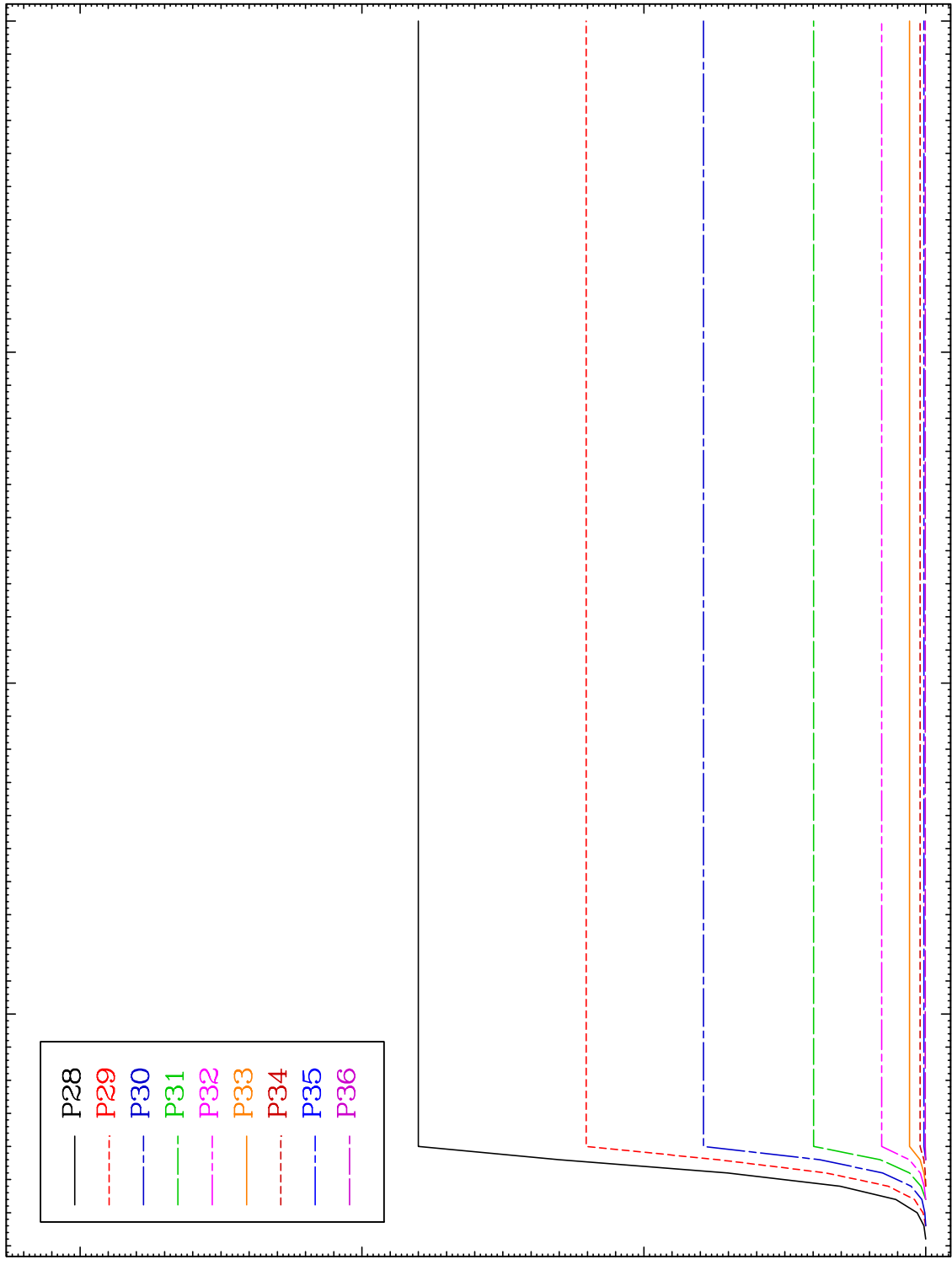
150

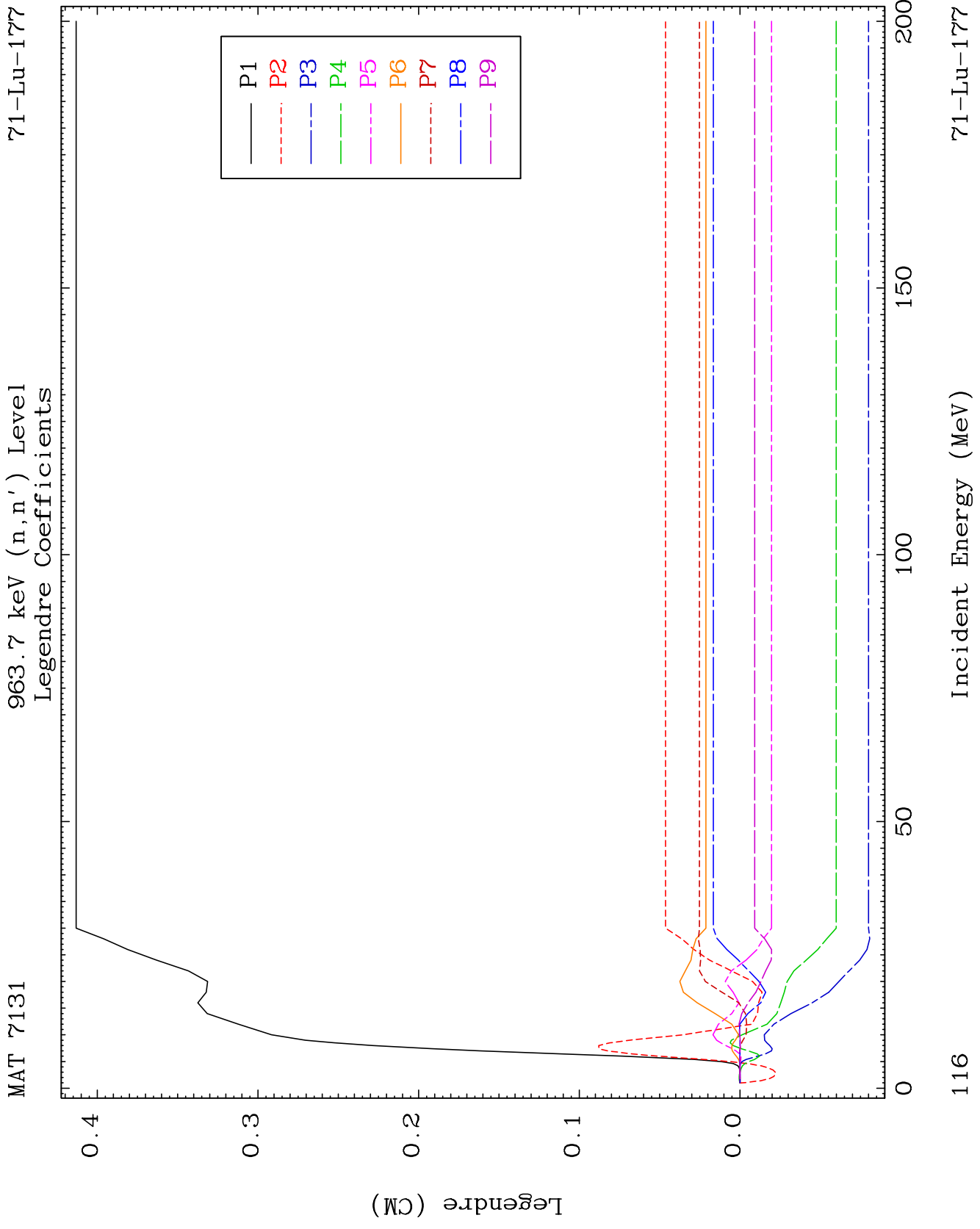
200

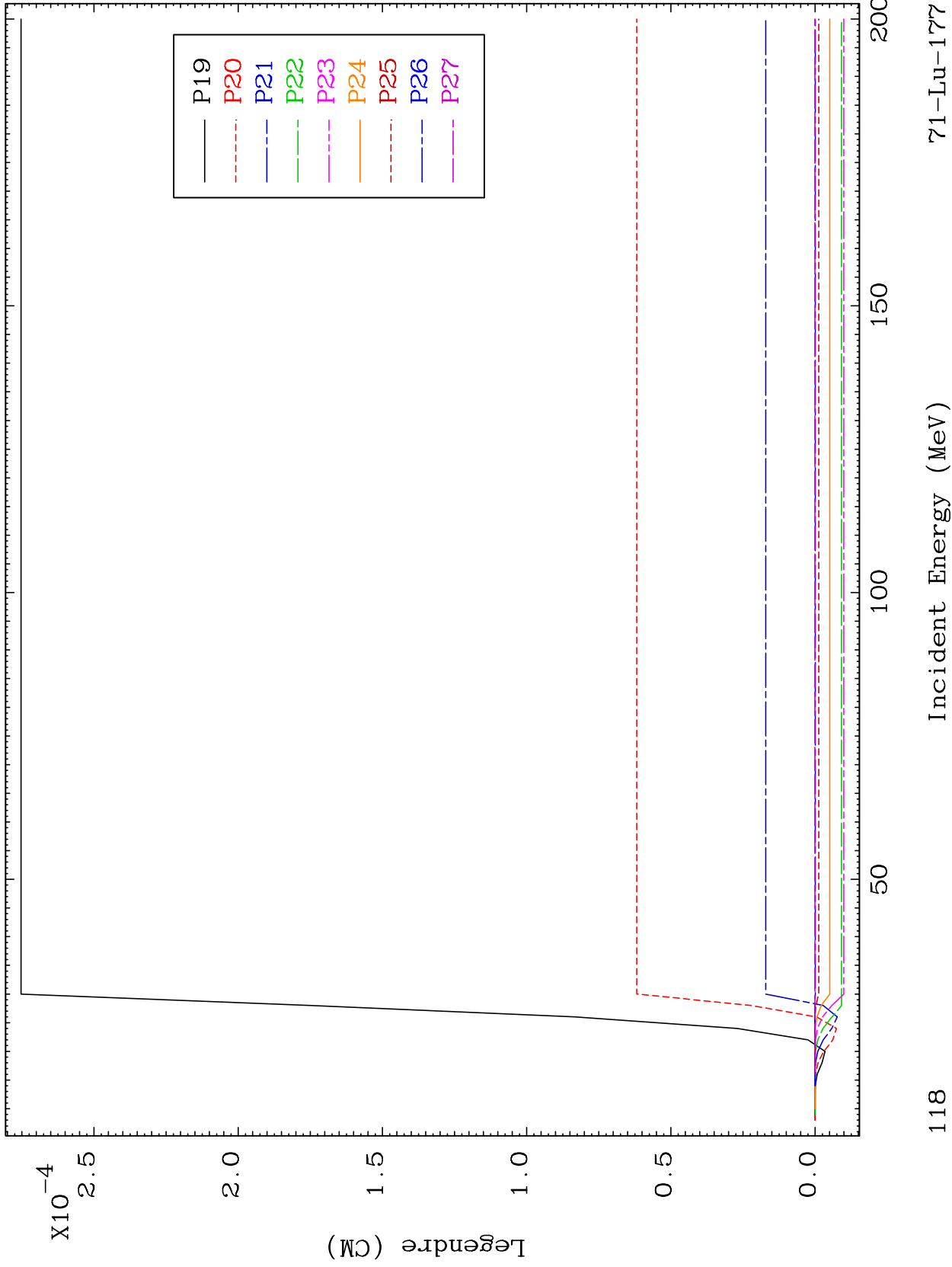
115

Incident Energy (MeV)

71-Lu-177



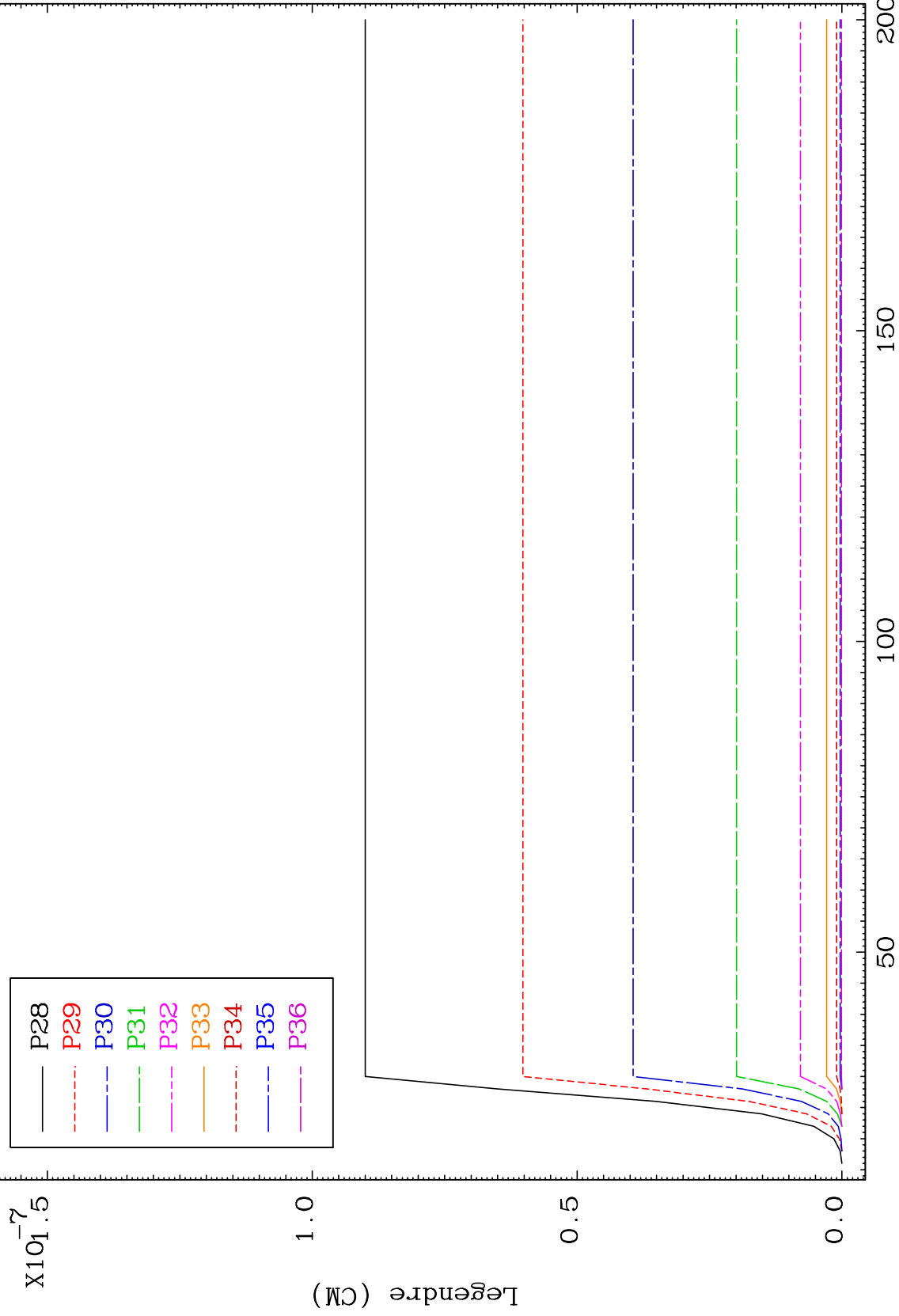
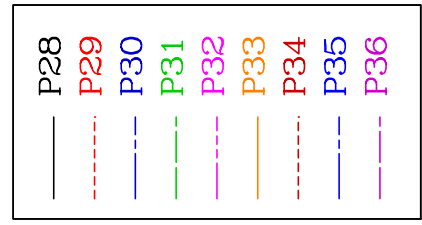




MAT 7131

963.7 keV (n,n') Level
Legendre Coefficients

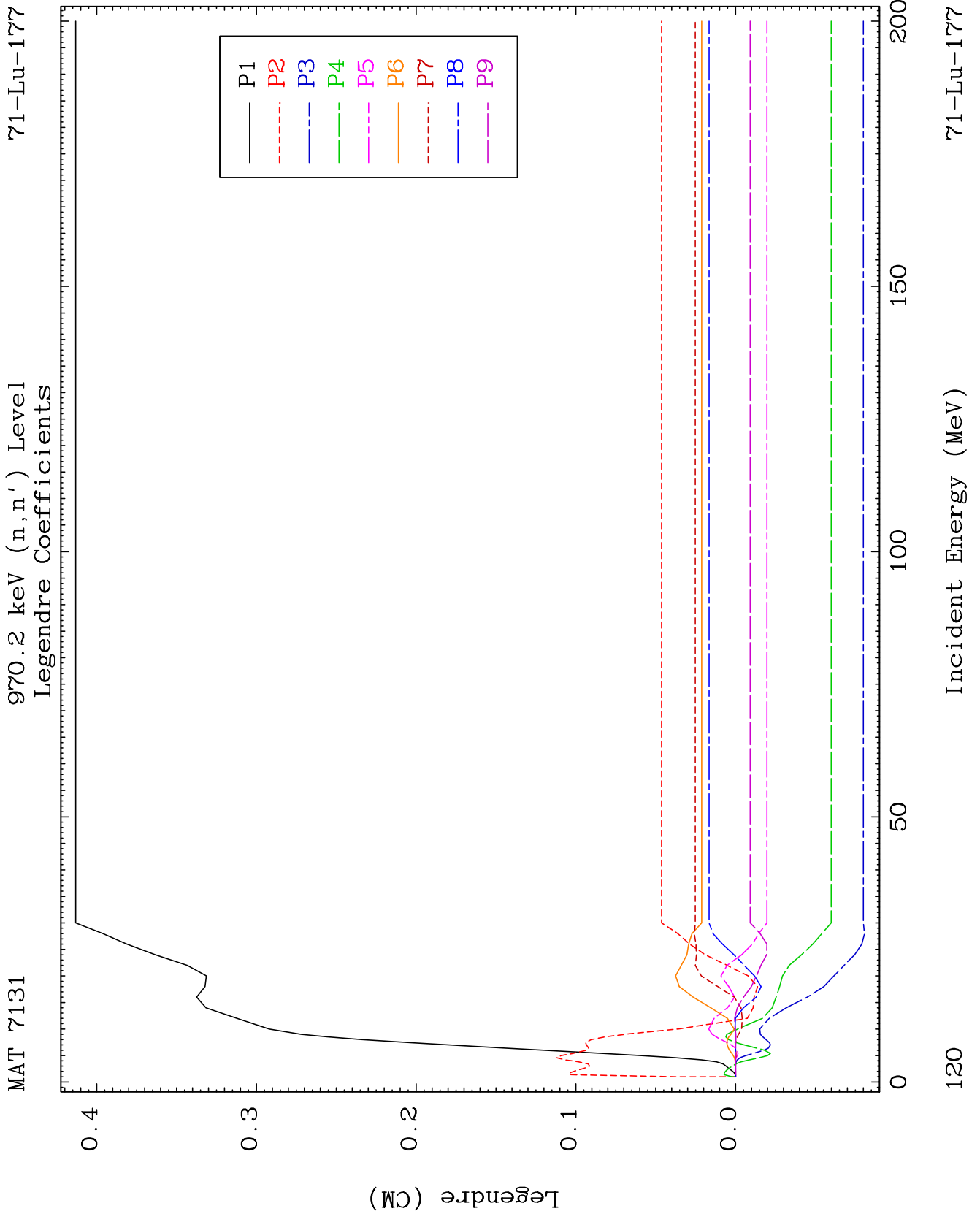
71-Lu-177

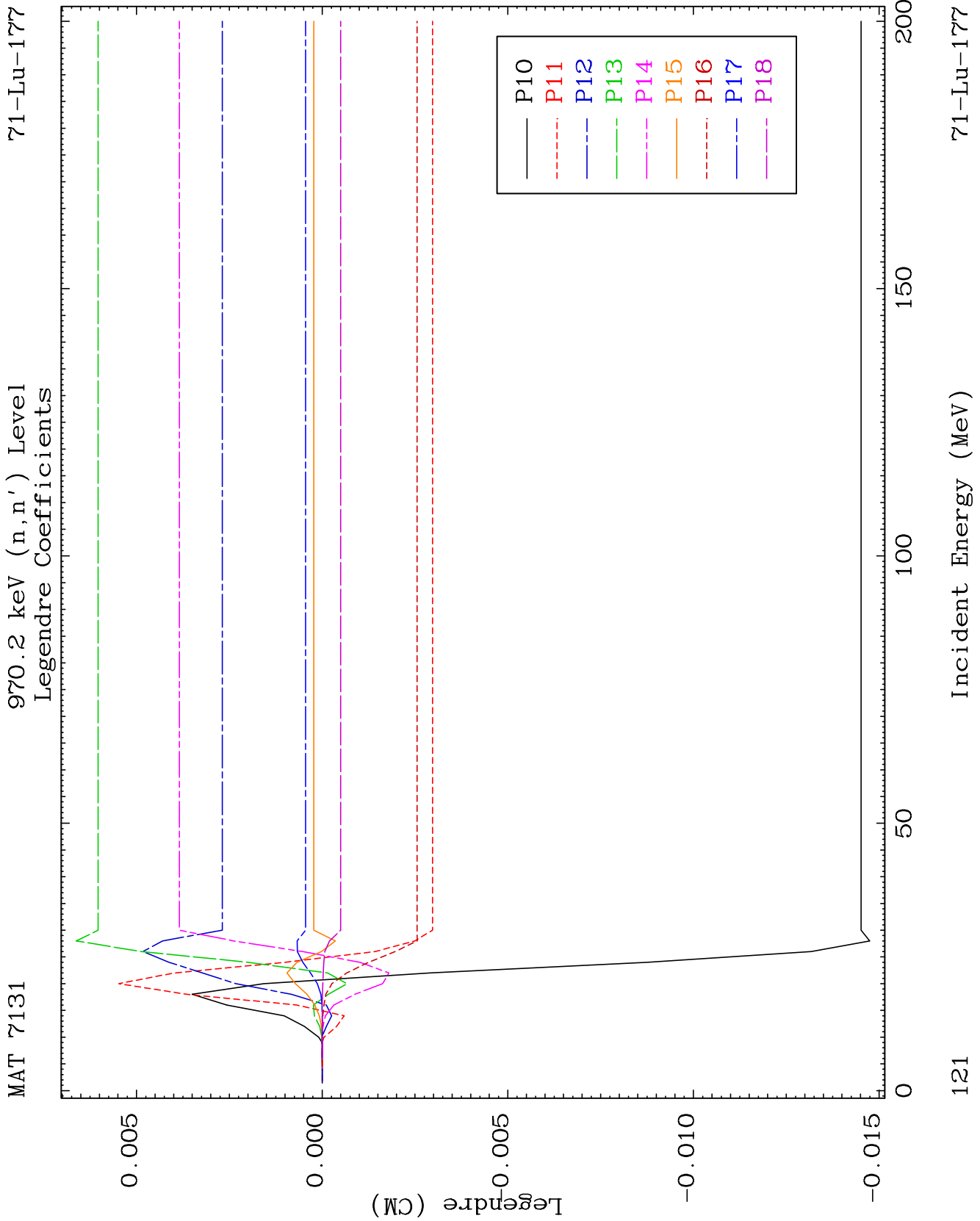


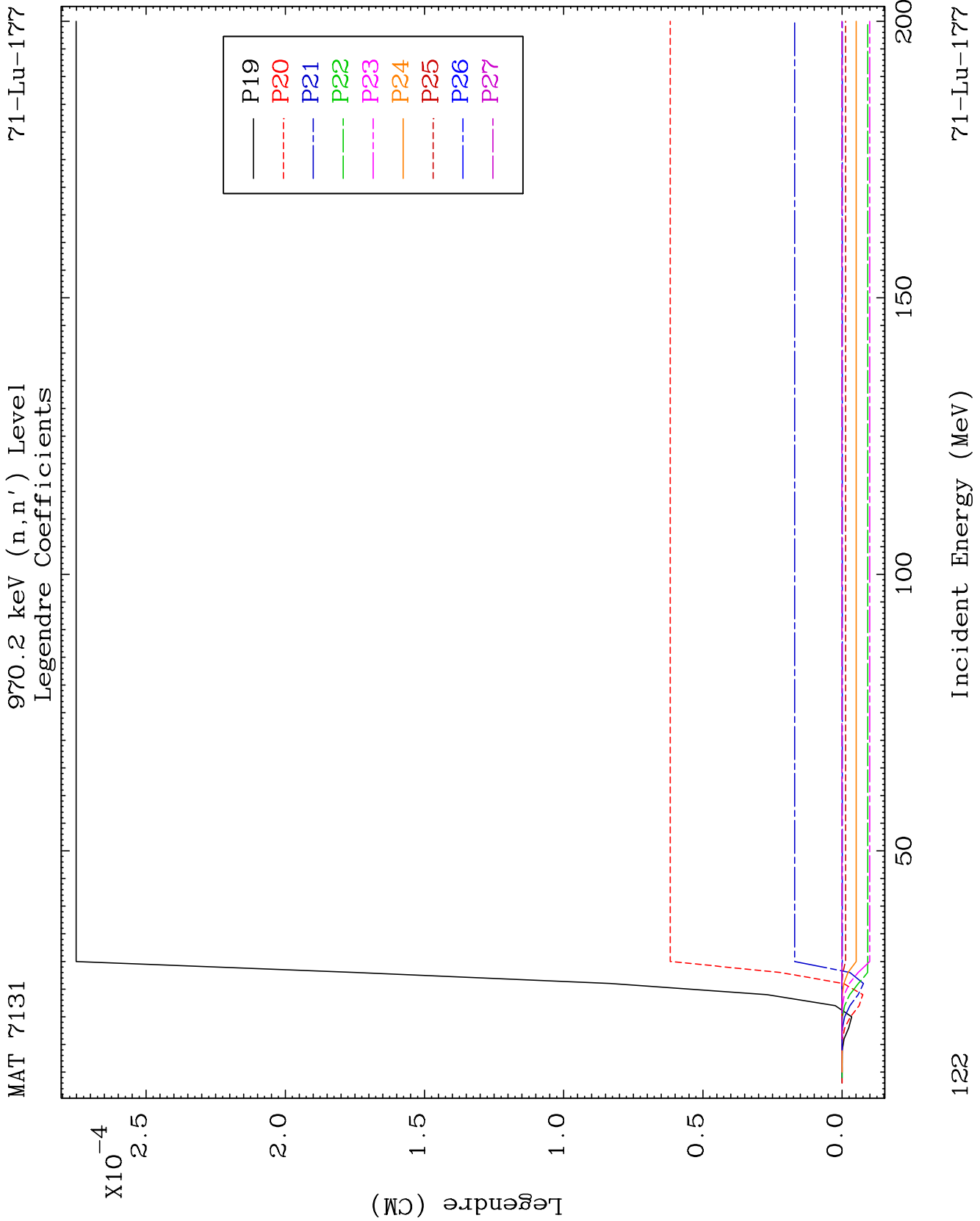
119

Incident Energy (MeV)

71-Lu-177



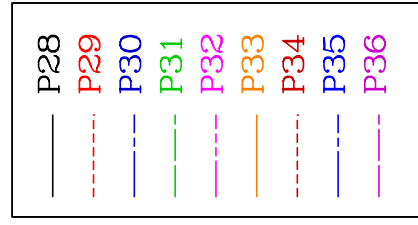




MAT 7131

970.2 keV (n,n') Level
Legendre Coefficients

71-Lu-177



$\times 10^{-7}$

Legendre (CM)

1.0

0.5

0.0

50

100

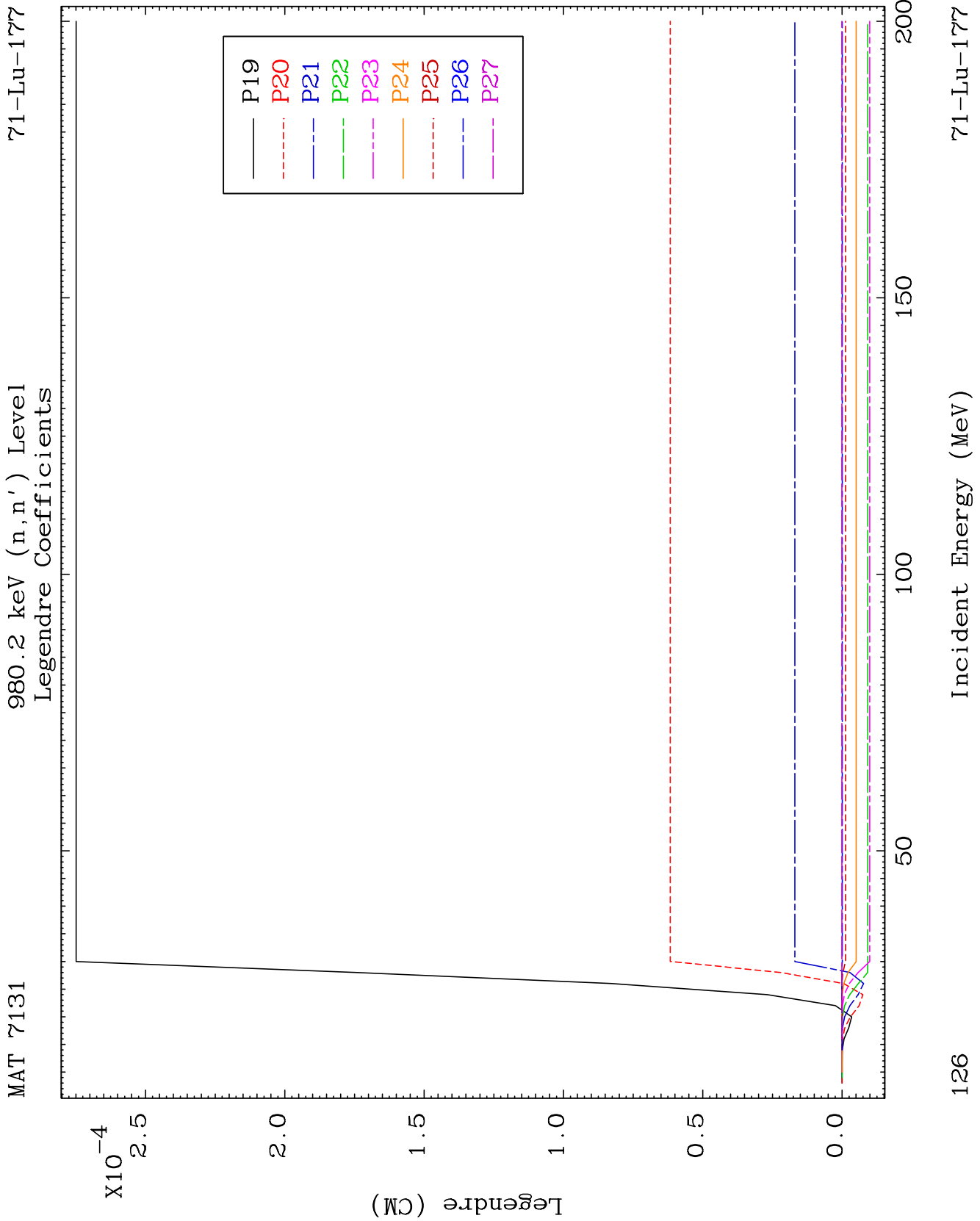
150

200

123

Incident Energy (MeV)

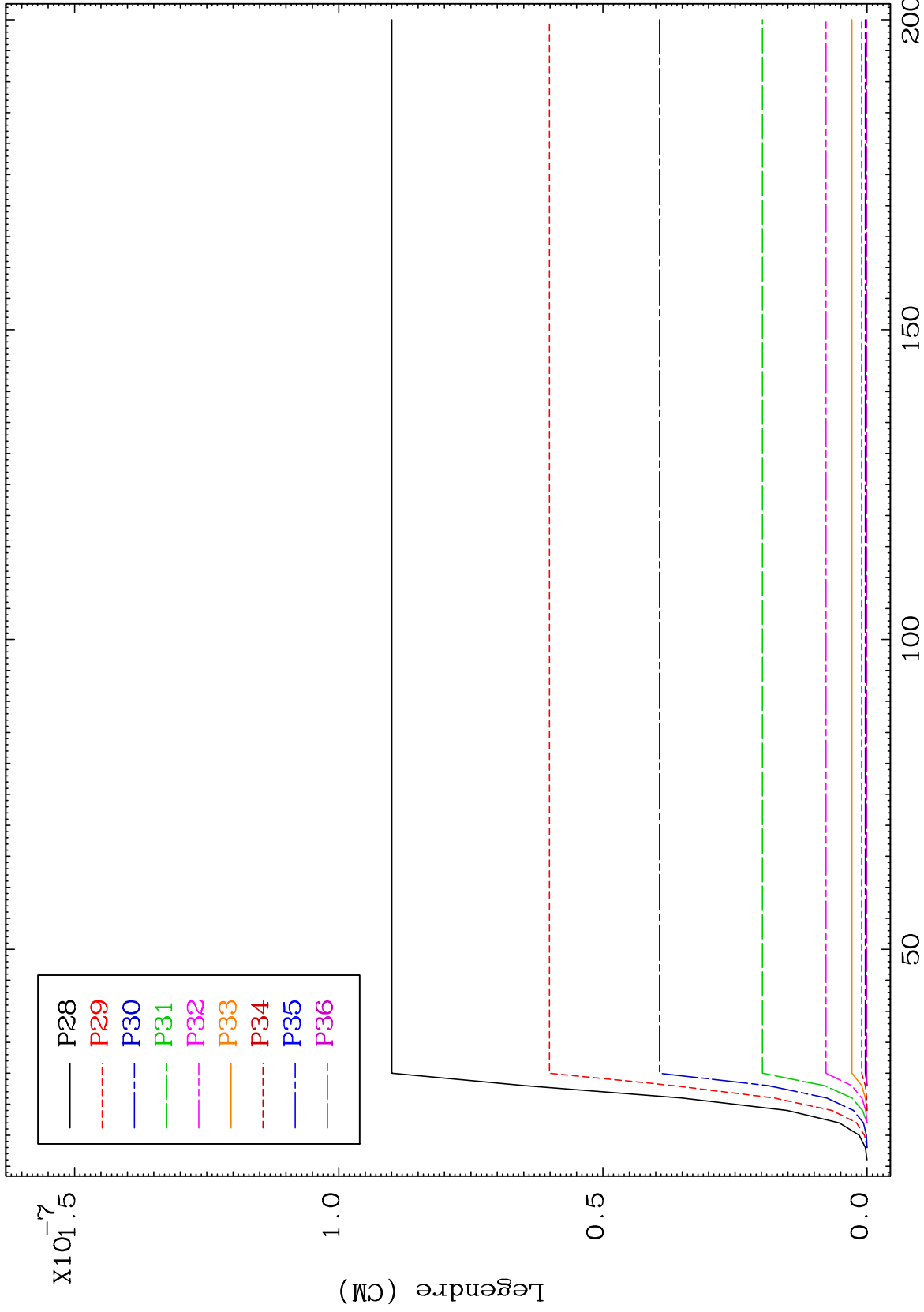
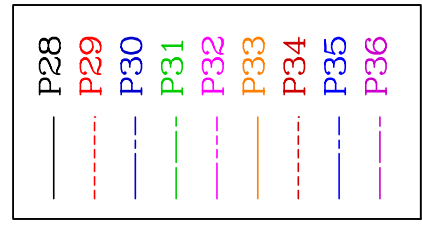
71-Lu-177



MAT 7131

980.2 keV (n,n') Level
Legendre Coefficients

71-Lu-177



127

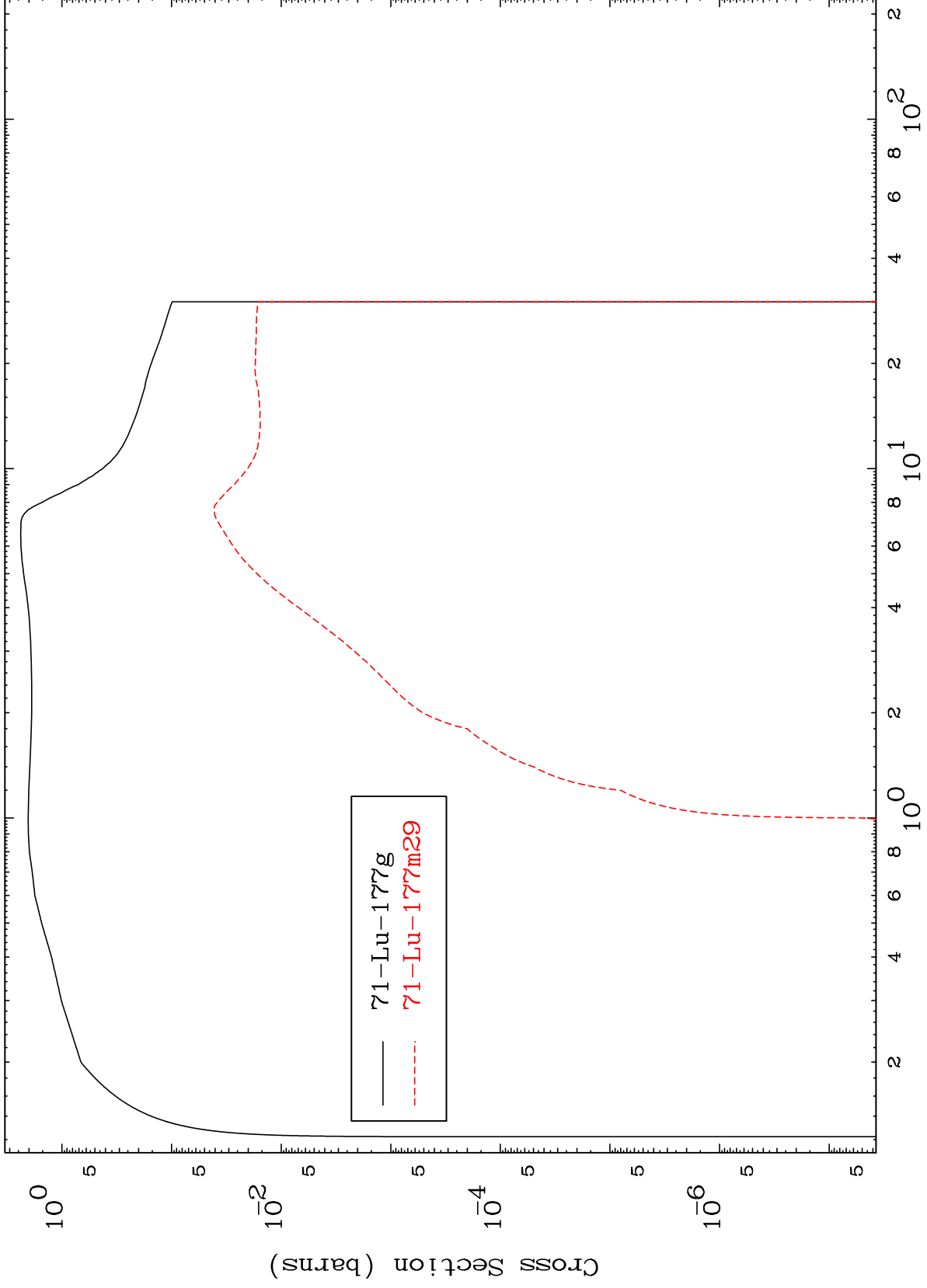
Incident Energy (MeV)

71-Lu-177

MAT 7131

Inelastic
Radionuclide Production Cross Section

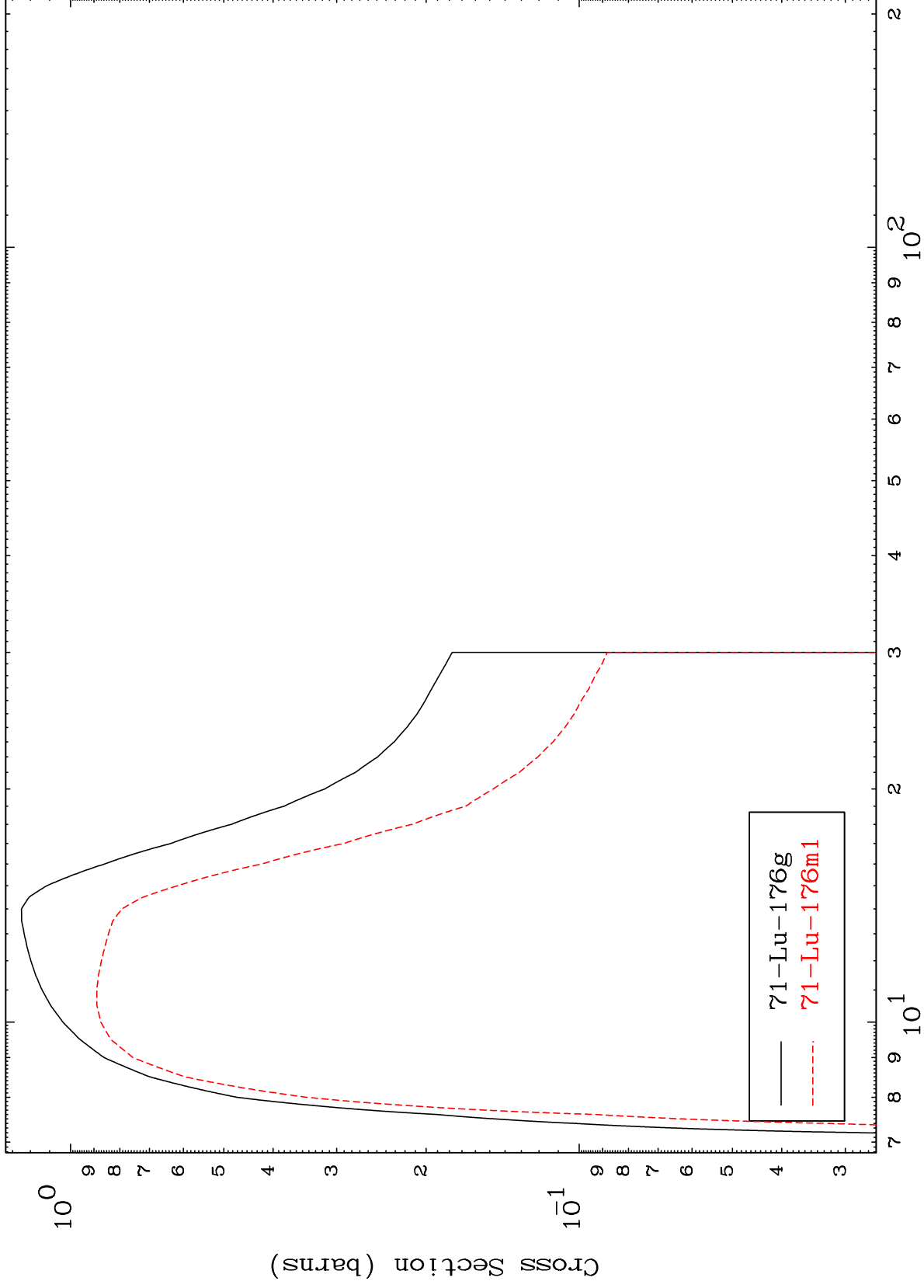
71-Lu-177



MAT 7131

⁷¹Lu-177

(n,2n)
Radionuclide Production Cross Section



⁷¹Lu-177

Incident Energy (MeV)

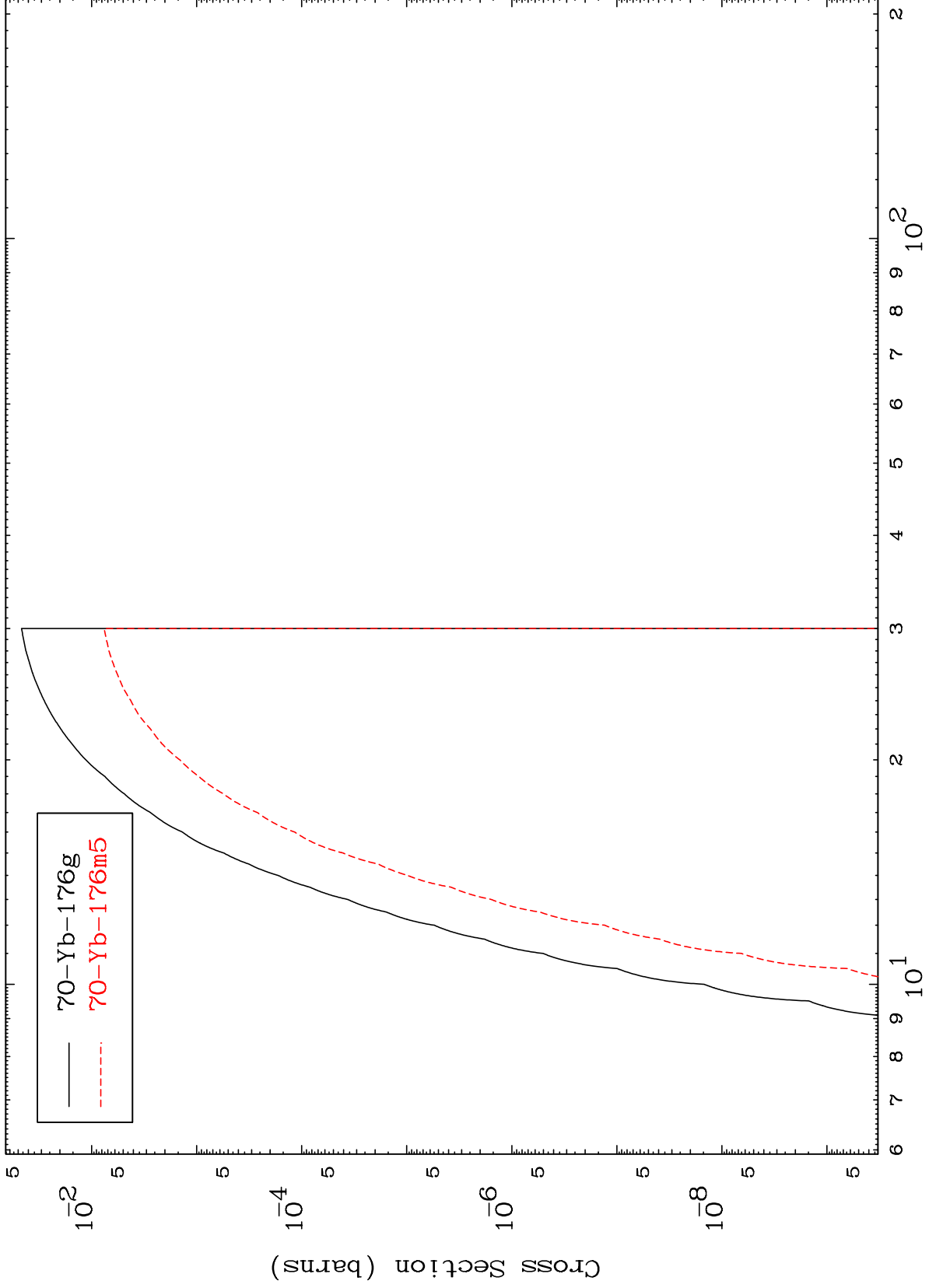
129

MAT 7131

(n,n') p

71-Lu-177

Radionuclide Production Cross Section



130

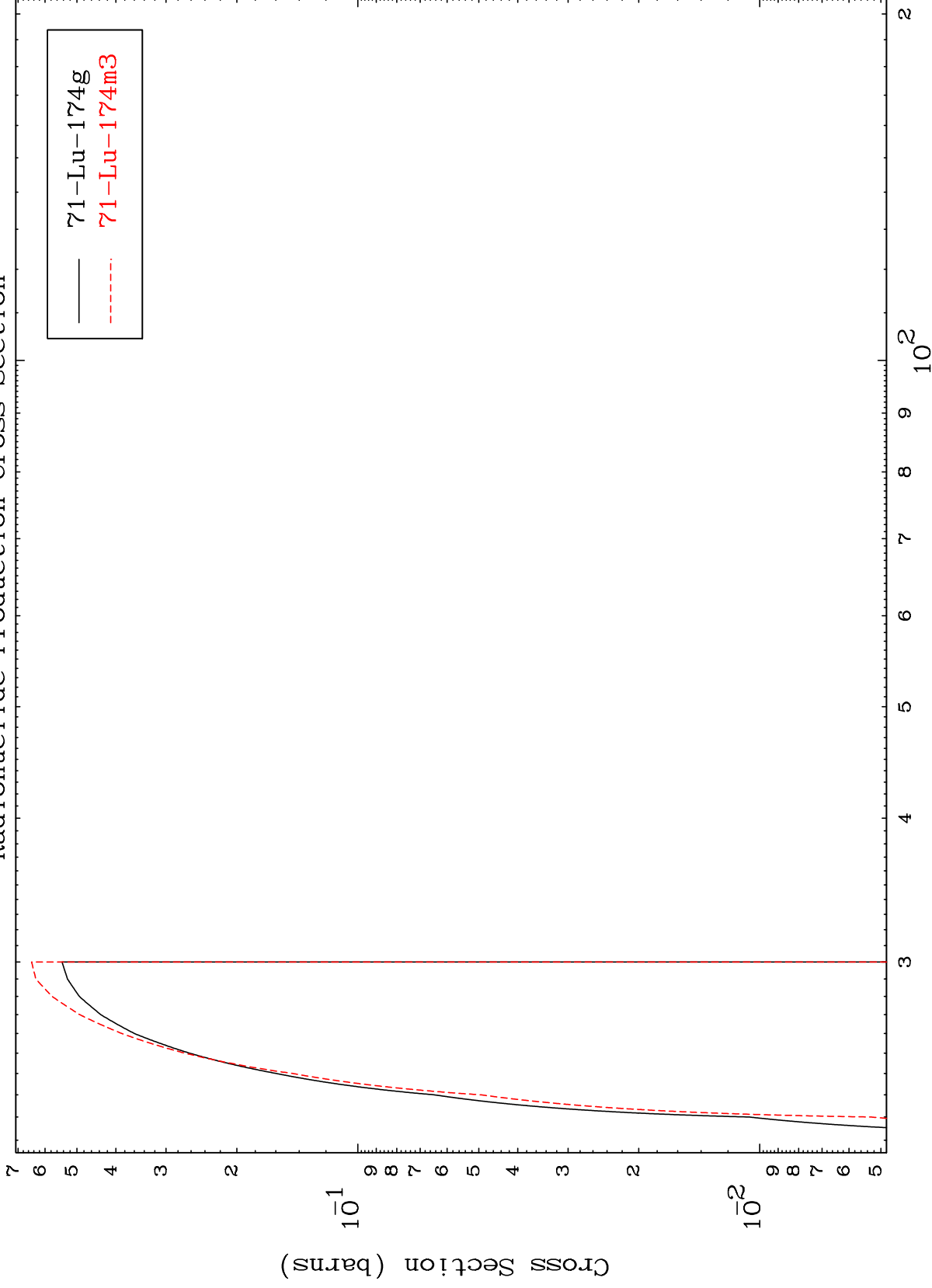
Incident Energy (MeV)

71-Lu-177

MAT 7131

⁷¹Lu-177

(n,4n)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

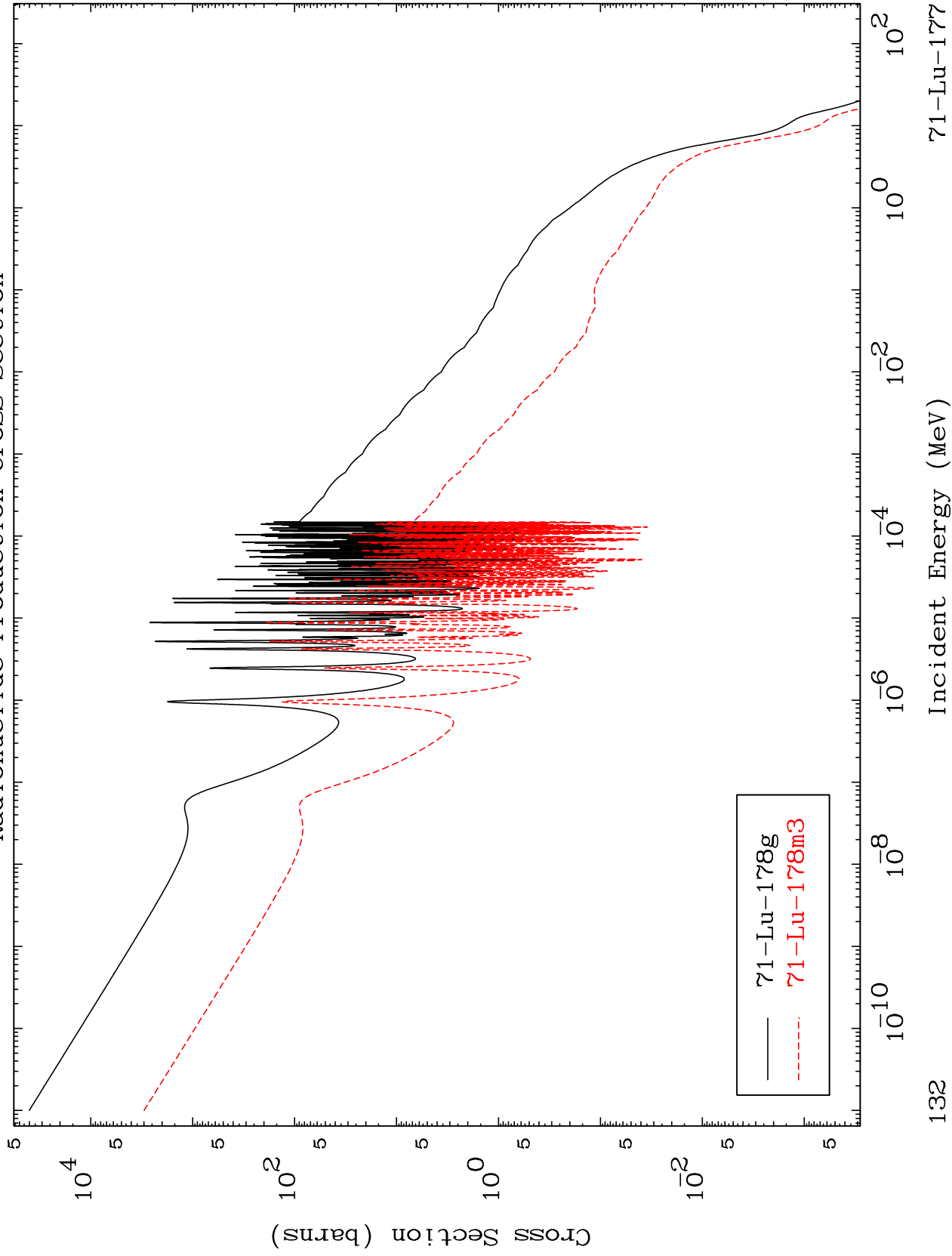
⁷¹Lu-177

MAT 7131

$^{71}\text{Lu-177}$

Radionuclide Production Cross Section

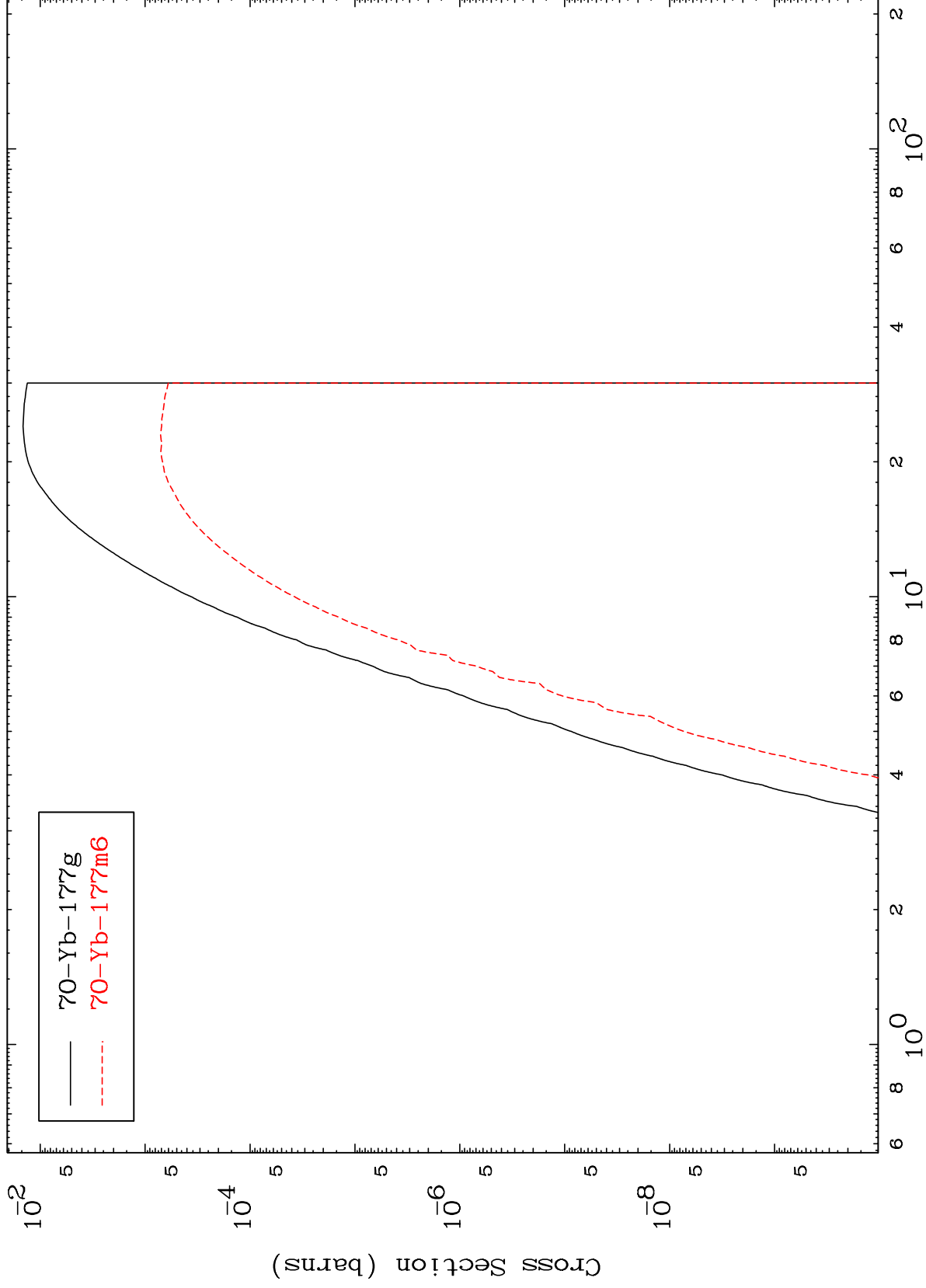
(n, γ)



MAT 7131

⁷¹Lu-177

(n,p)
Radionuclide Production Cross Section



133

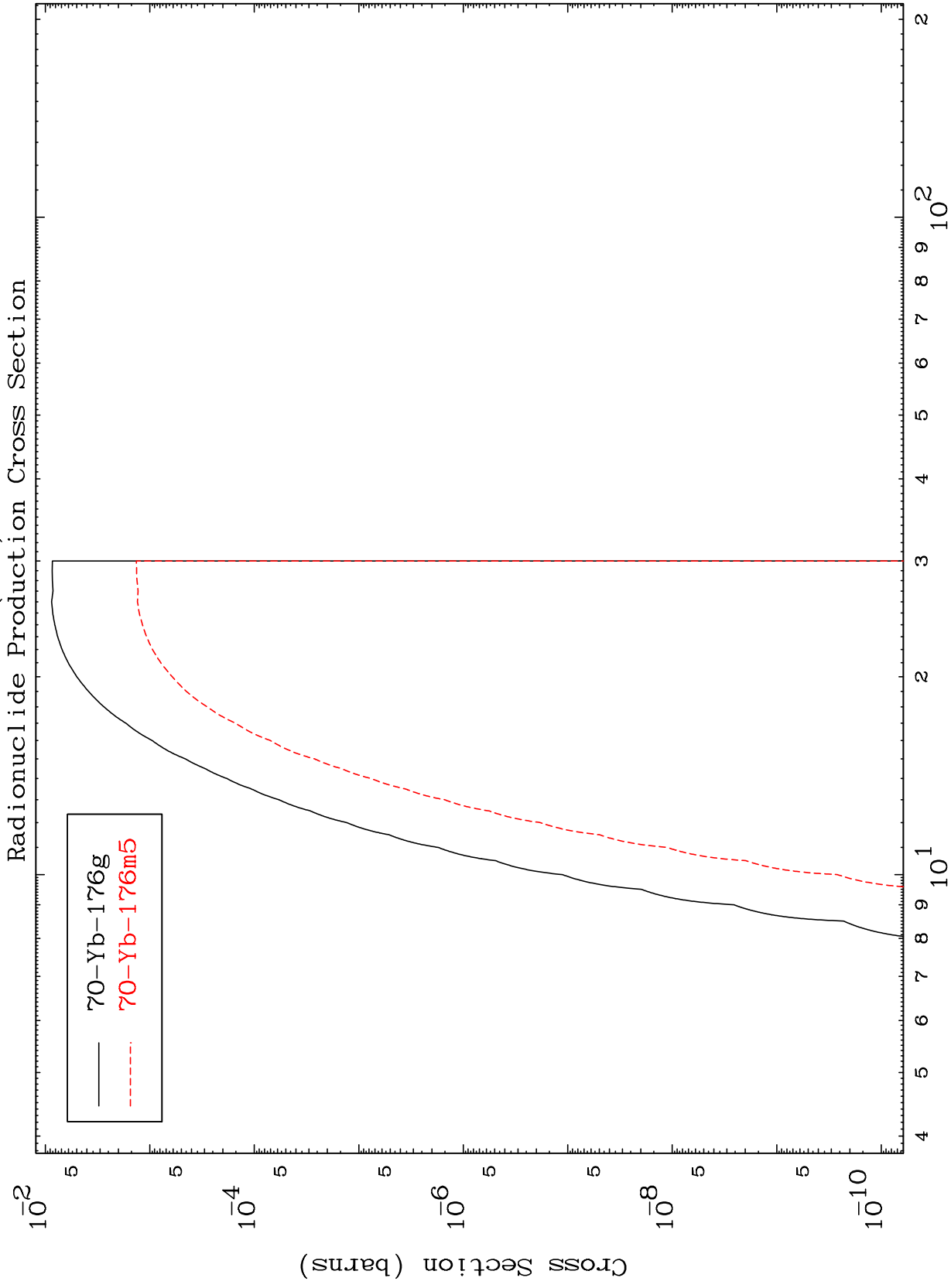
Incident Energy (MeV)

⁷¹Lu-177

MAT 7131

71-Lu-177

Radionuclide Production Cross Section (n,d)



134

Incident Energy (MeV)

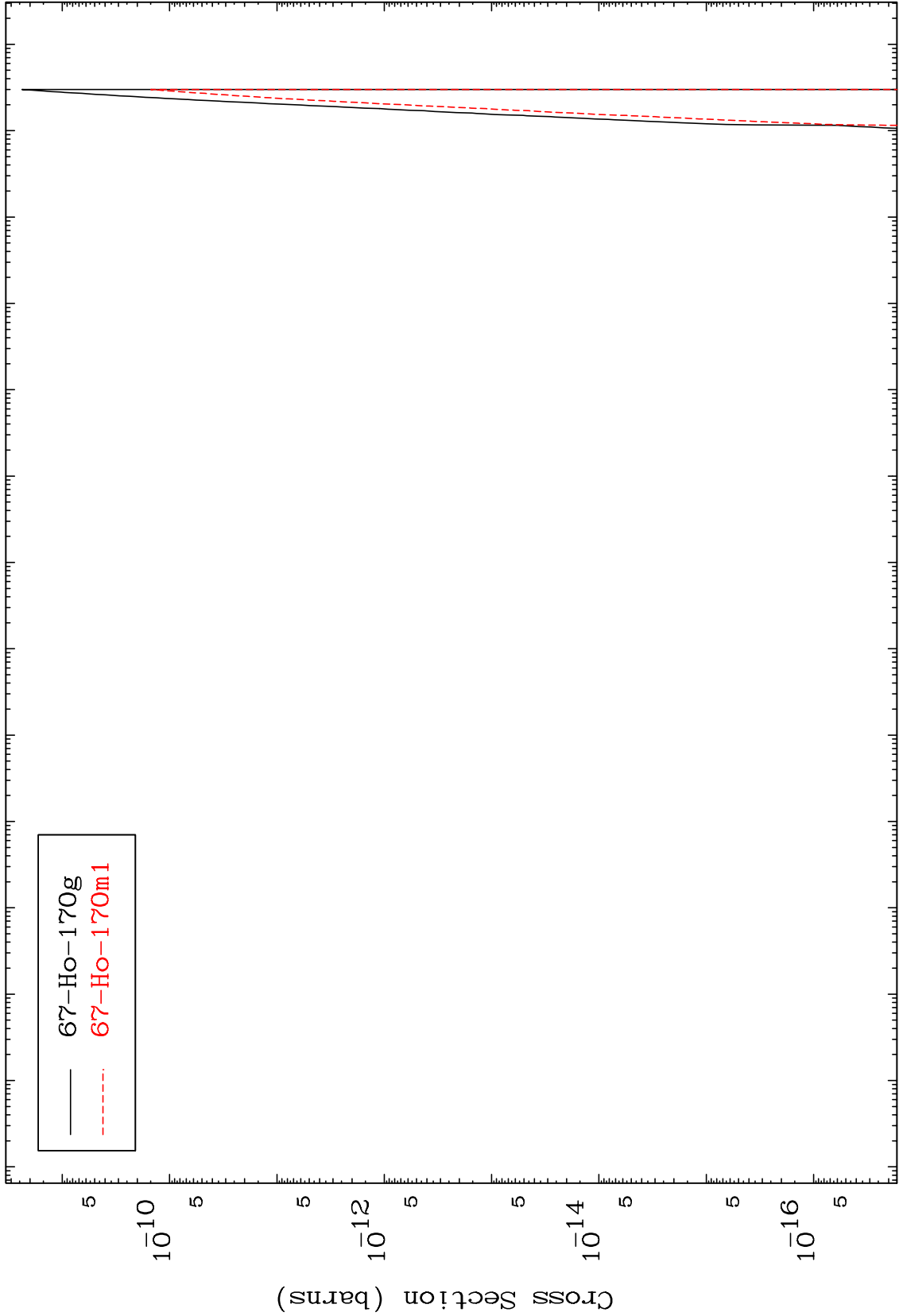
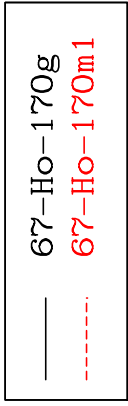
71-Lu-177

MAT 7131

(n,2α)

⁷¹Lu-177

Radionuclide Production Cross Section



⁷¹Lu-177