

Program EVALPLOT
(Version 2015-2)

by

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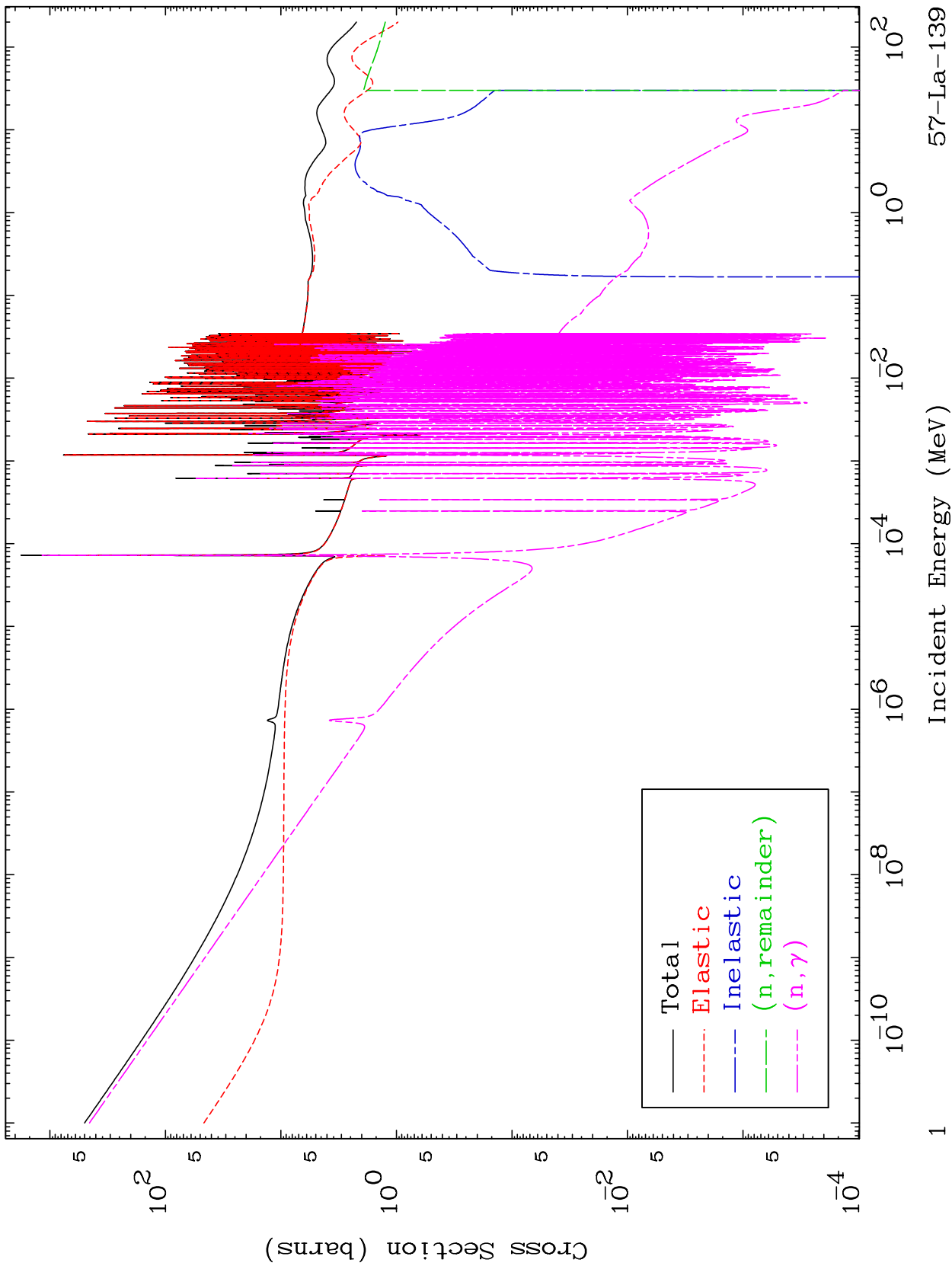
Press Mouse Button to Start

MAT 5728

Major

293 Kelvin Cross Sections

57-La-139

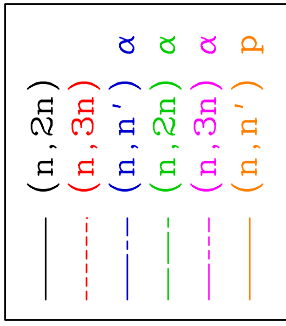
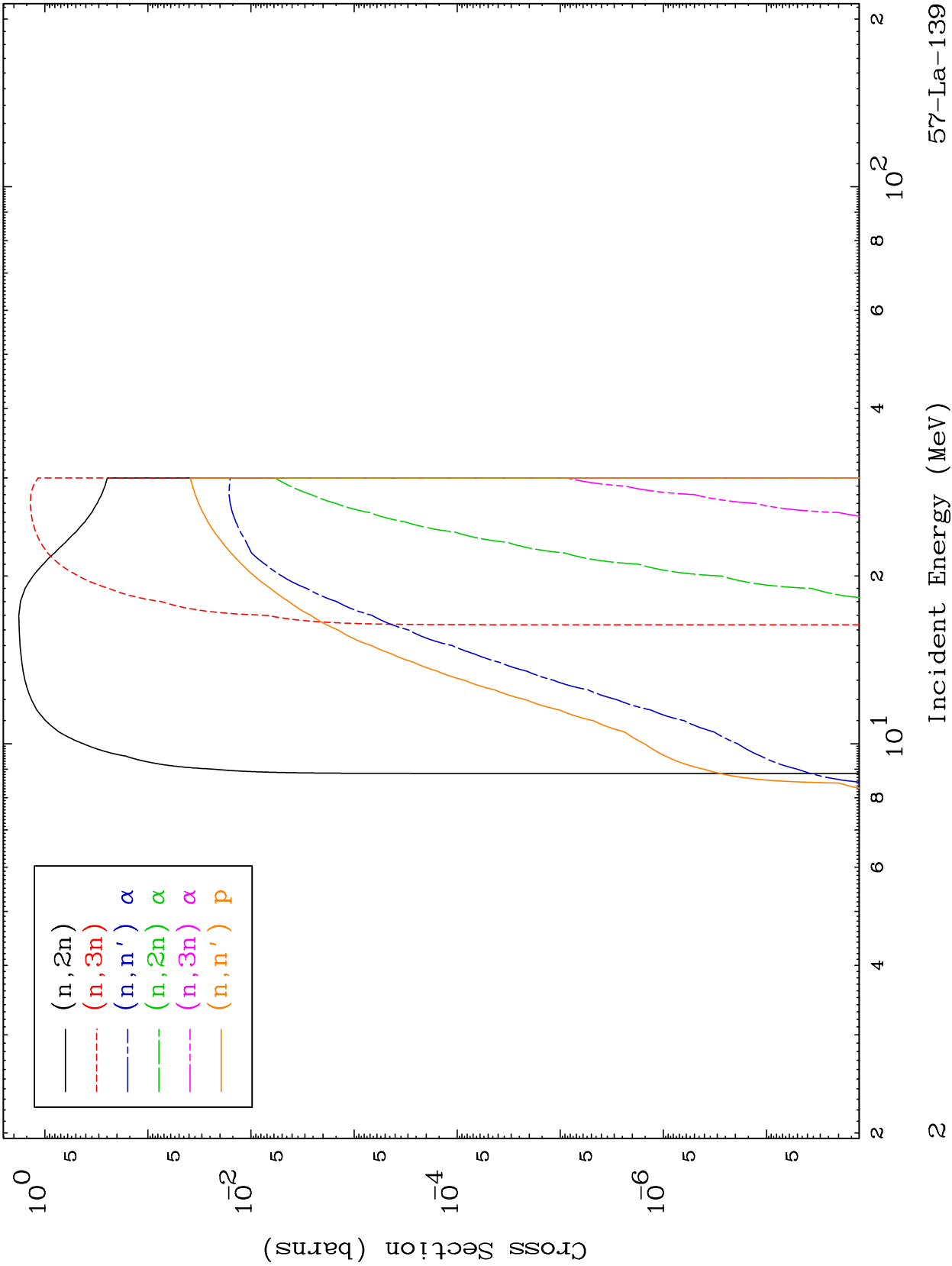


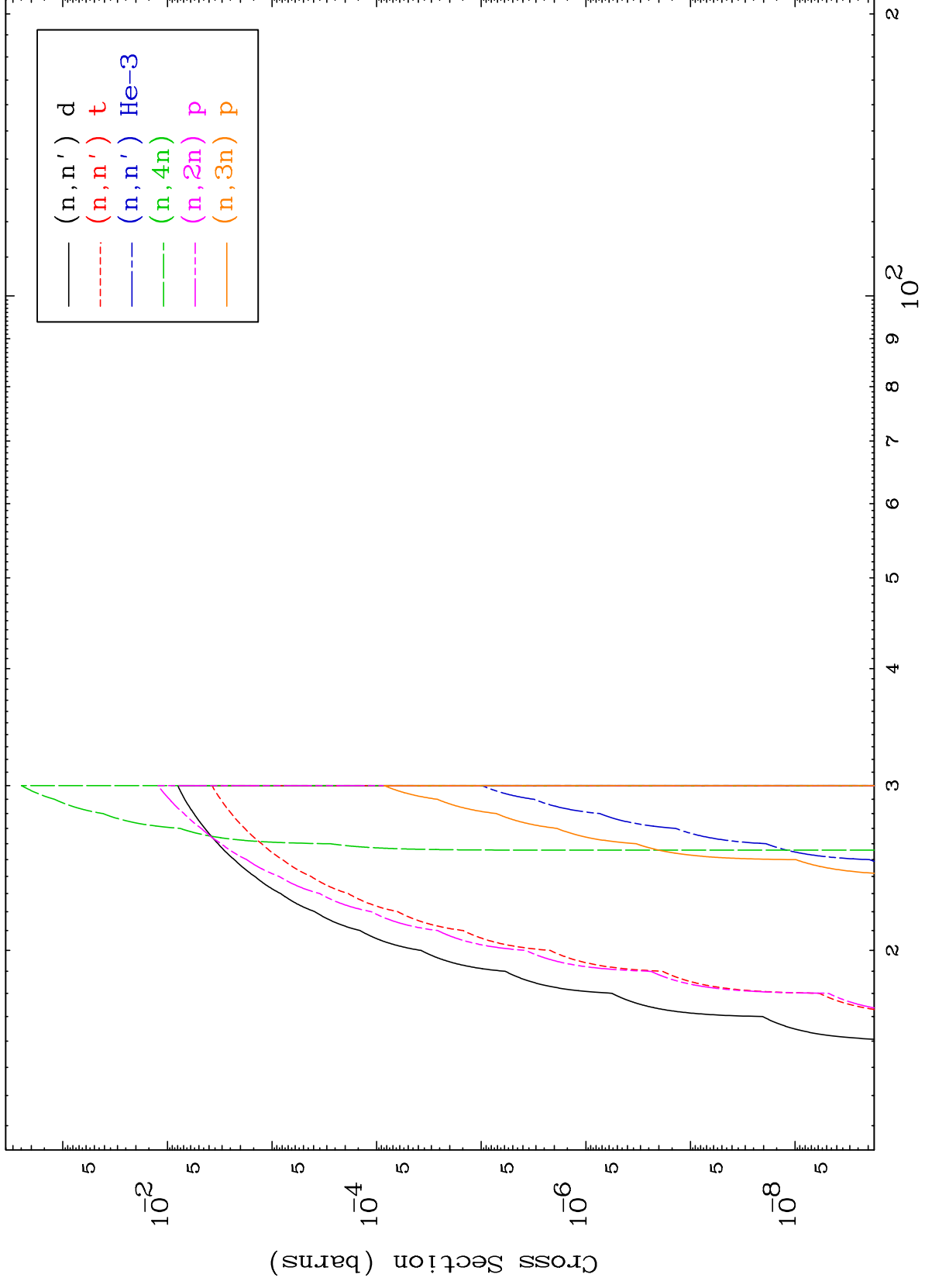
1

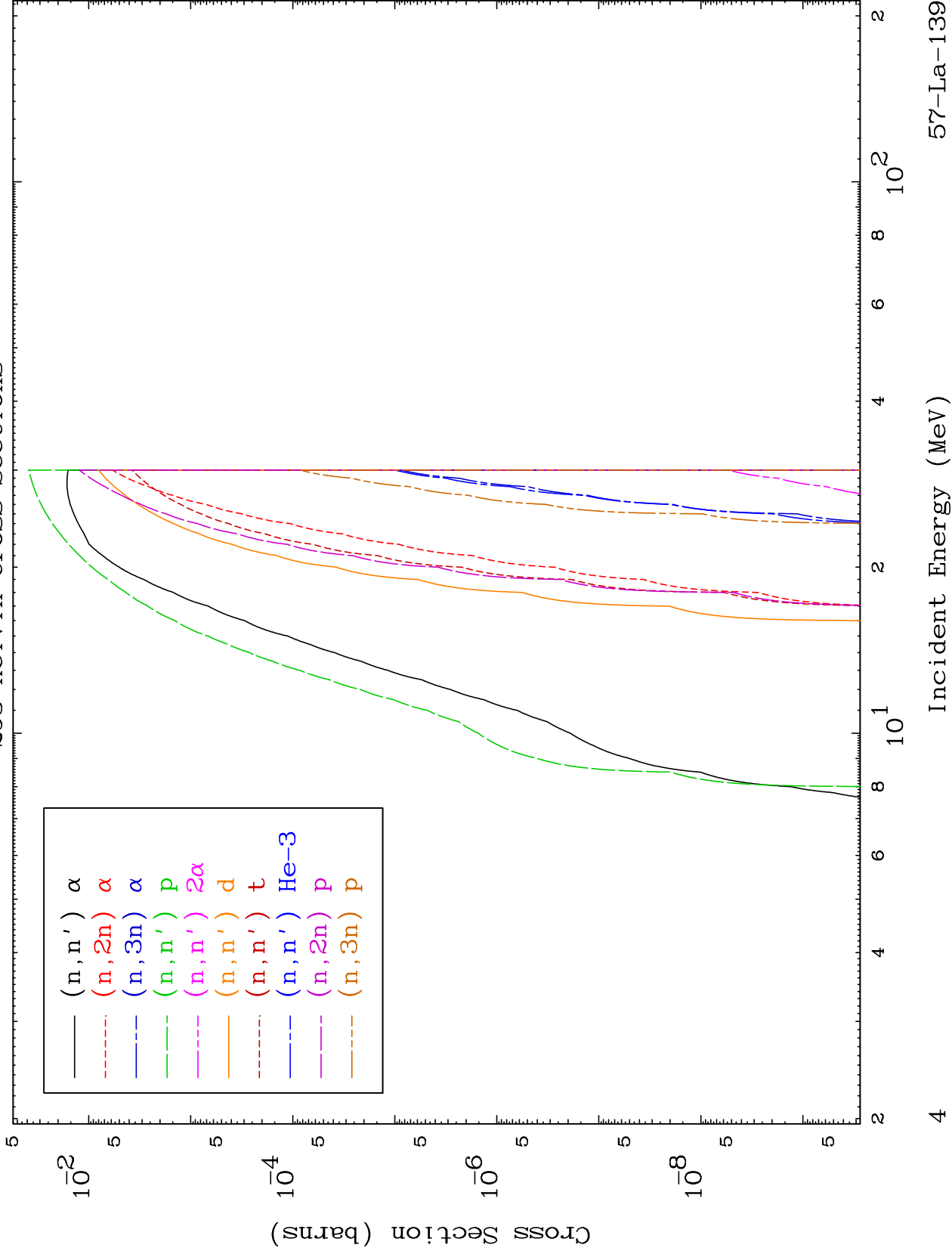
Incident Energy (MeV)

57-La-139

Neutron Production
293 Kelvin Cross Sections



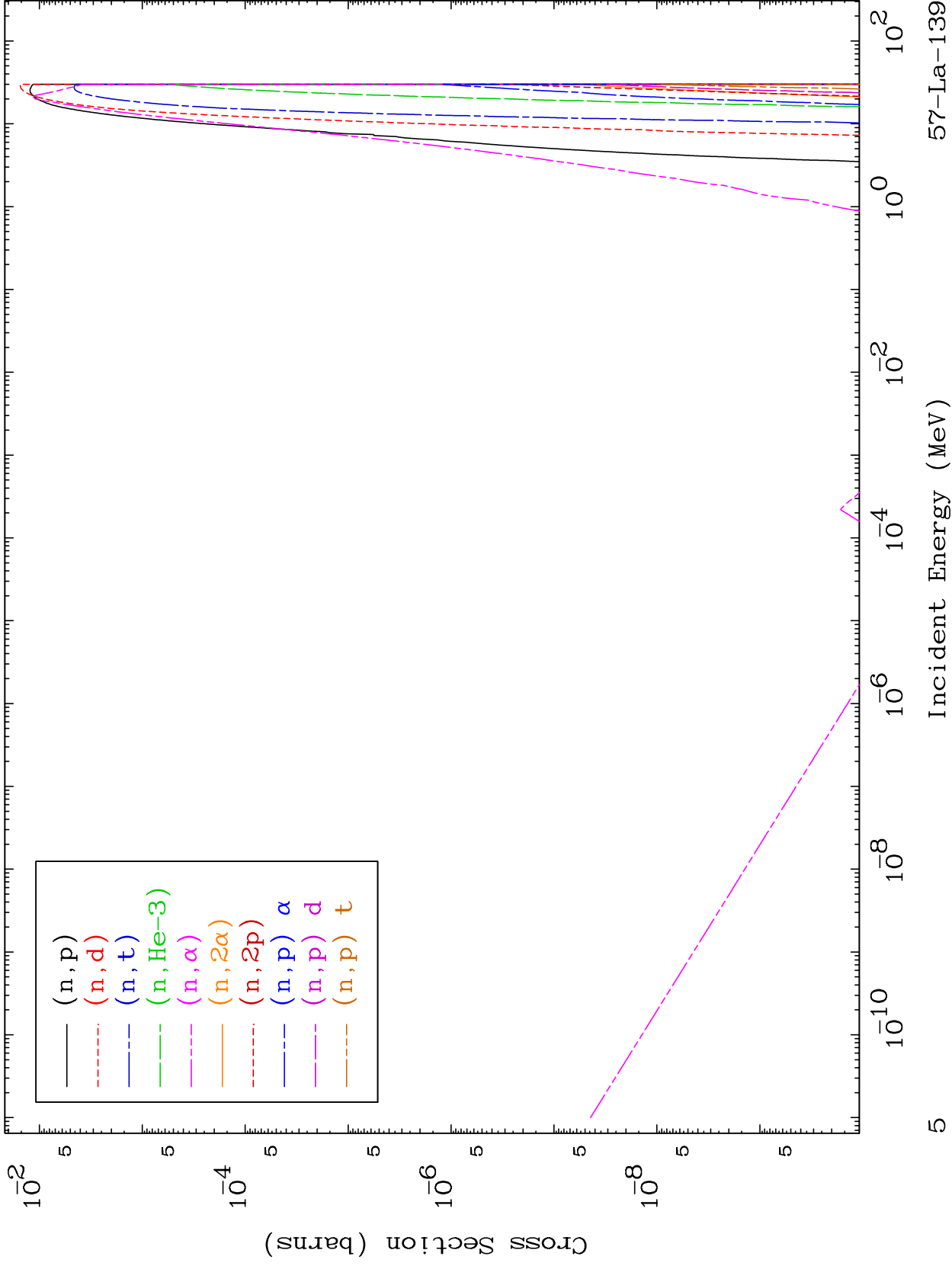




MAT 5728

Charged Particle
293 Kelvin Cross Sections

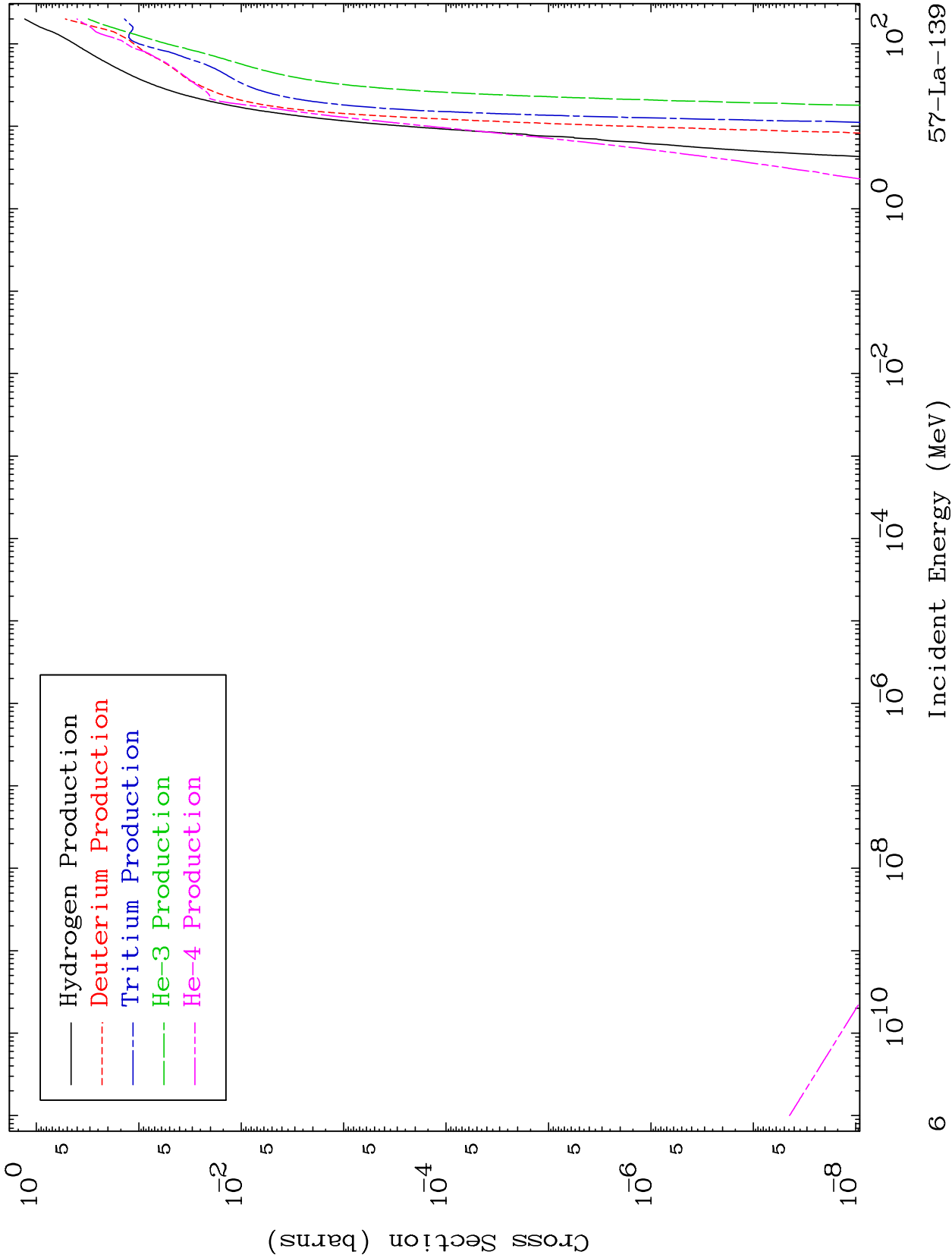
57-La-139



MAT 5728

Particle Production
293 Kelvin Cross Sections

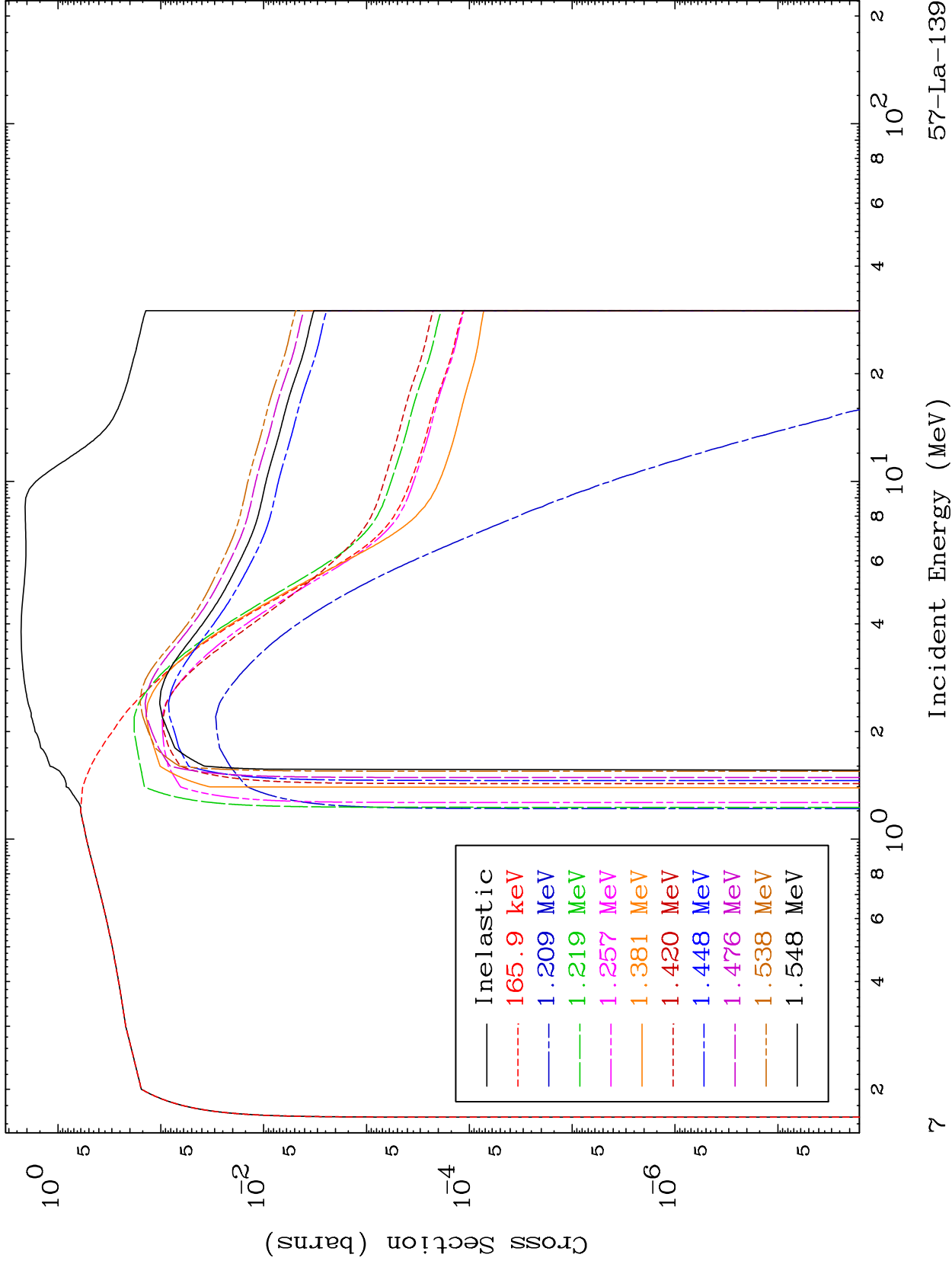
57-La-139



MAT 5728

(n,n') Level
293 Kelvin Cross Sections

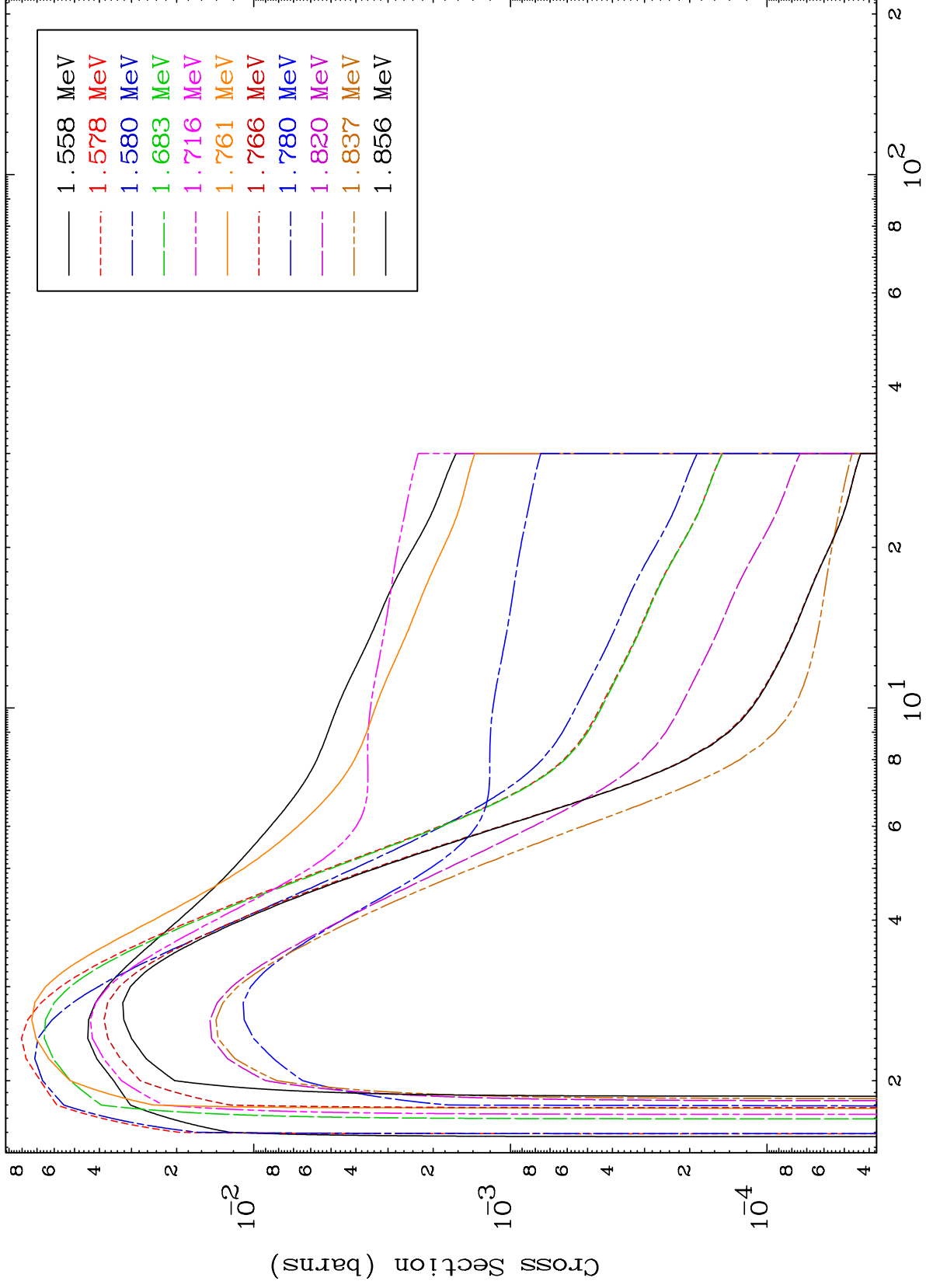
57-La-139



MAT 5728

(n,n') Level
293 Kelvin Cross Sections

57-La-139



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Incident Energy (MeV)

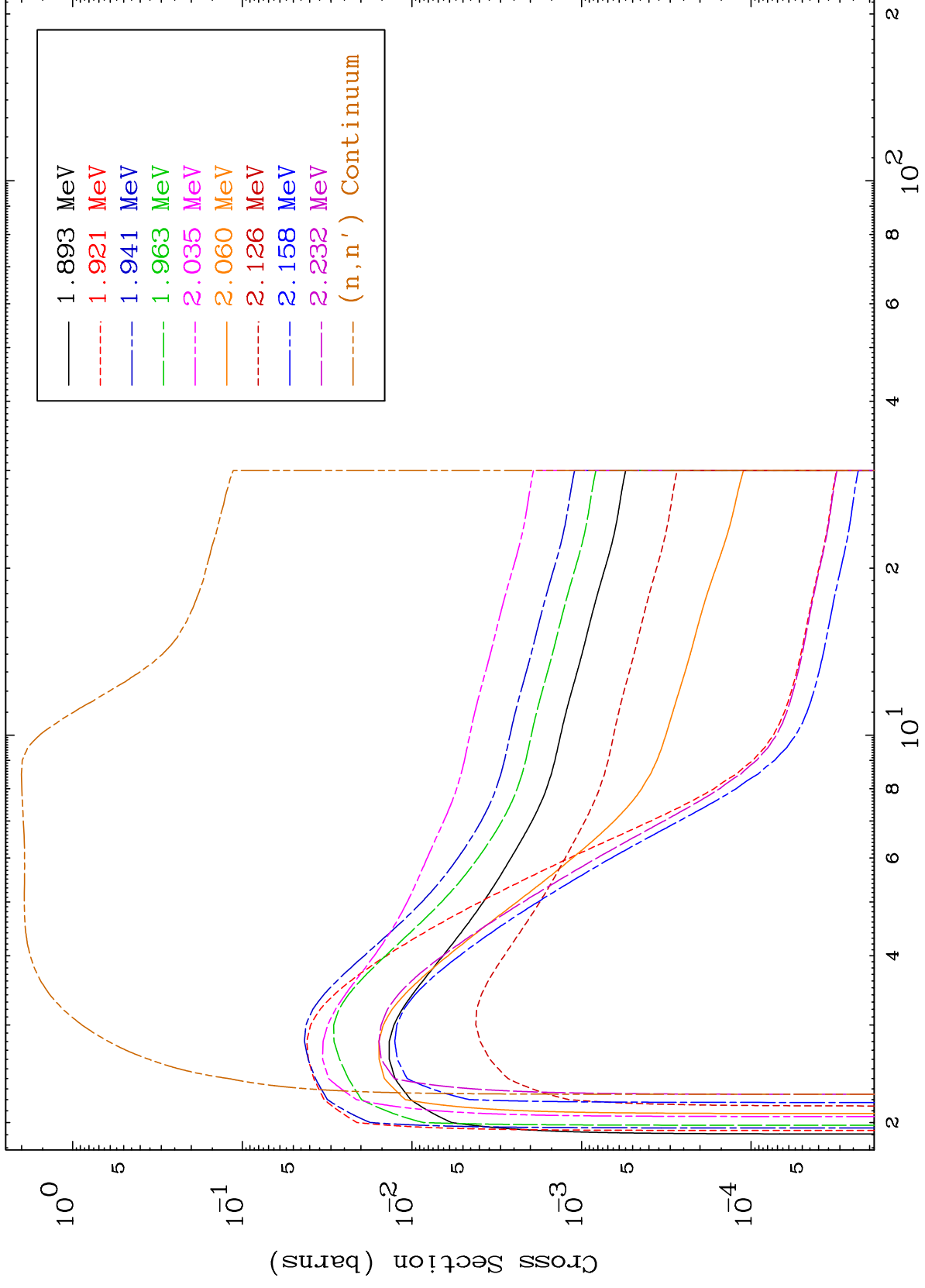
57-La-139

MAT 5728

(n,n') Level

57-La-139

293 Kelvin Cross Sections



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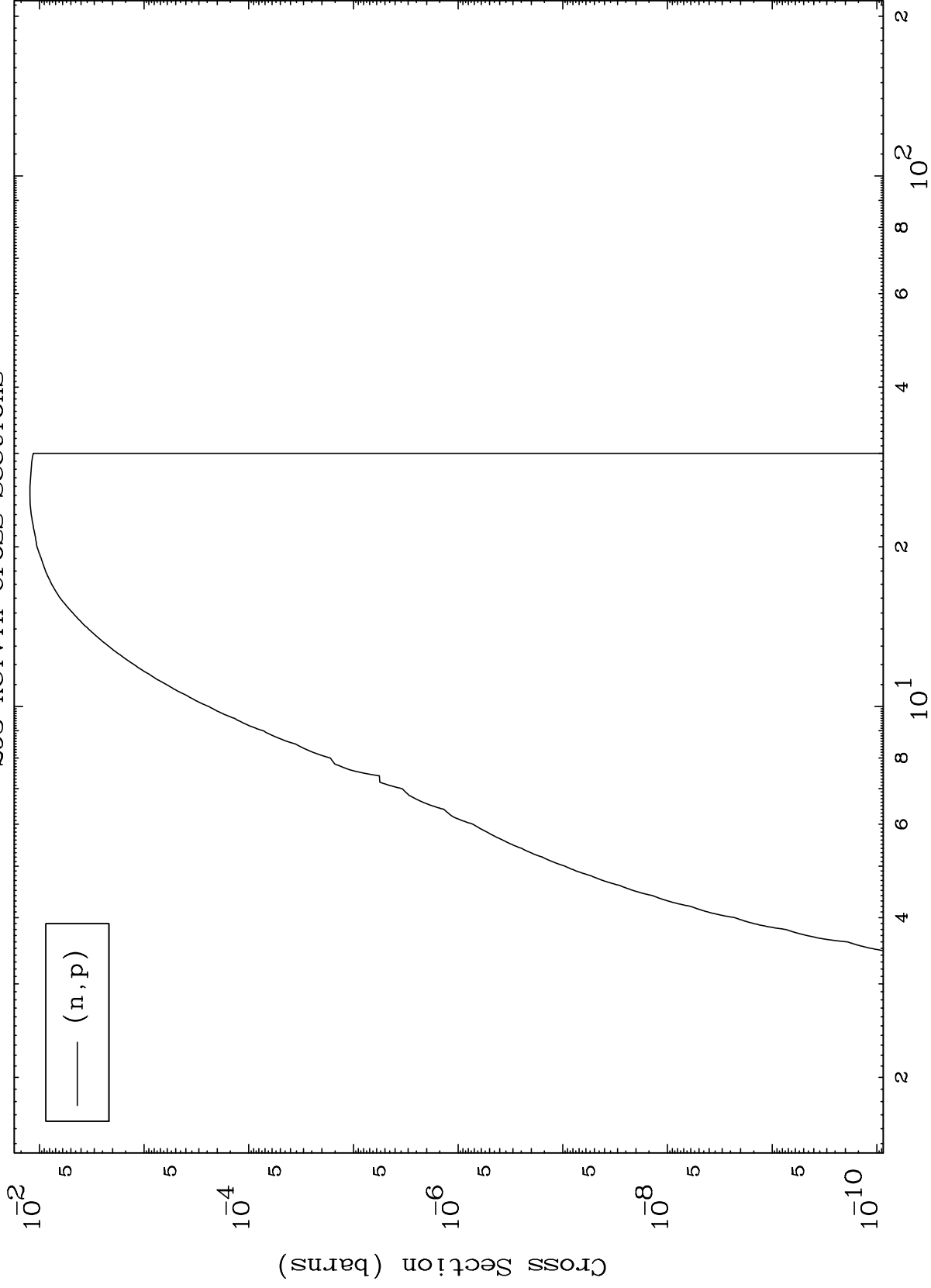
Incident Energy (MeV)

57-La-139

MAT 5728

(n,p) Levels
293 Kelvin Cross Sections

57-La-139



10

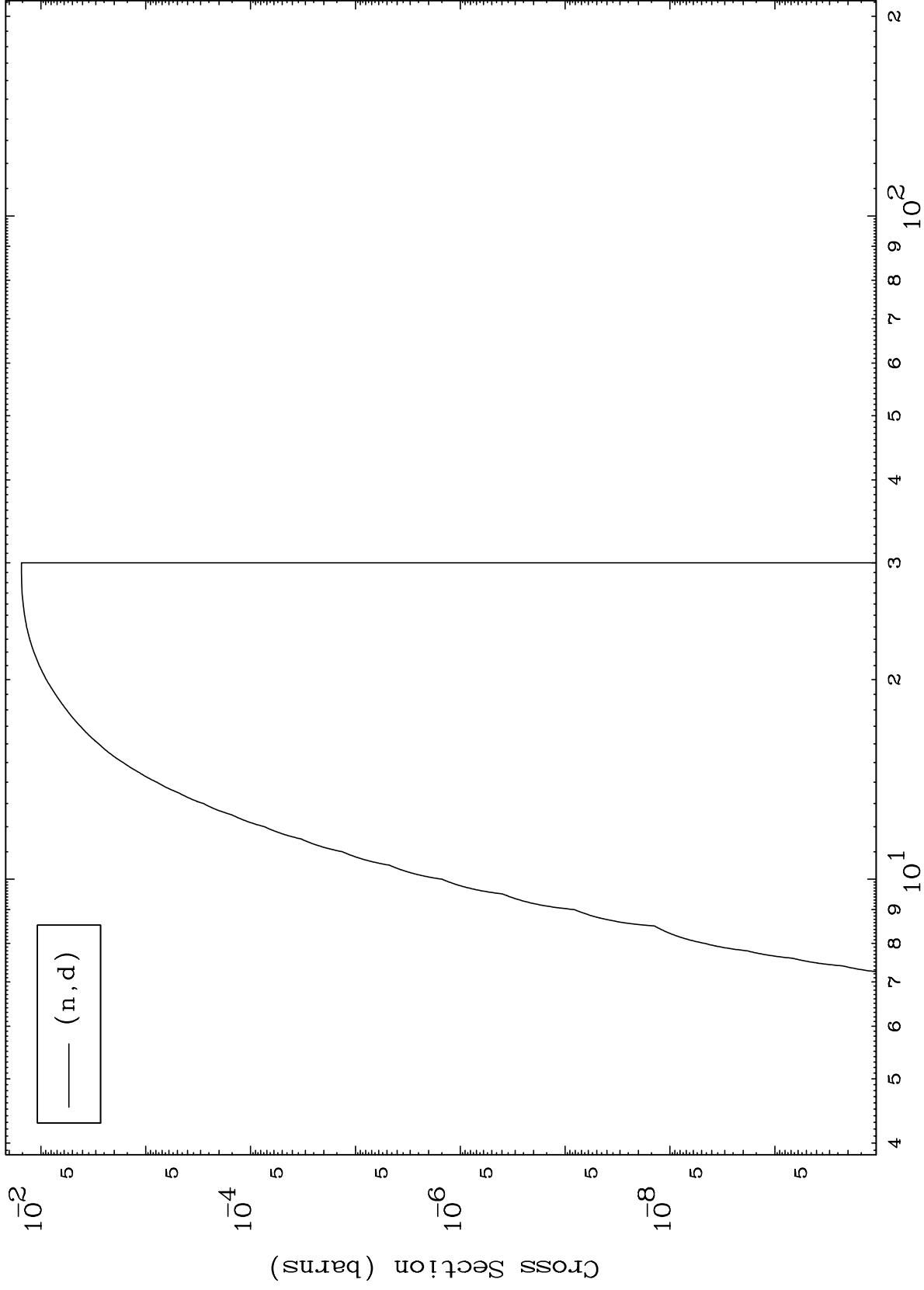
Incident Energy (MeV)

57-La-139

MAT 5728

(n,d) Levels
293 Kelvin Cross Sections

57-La-139



11

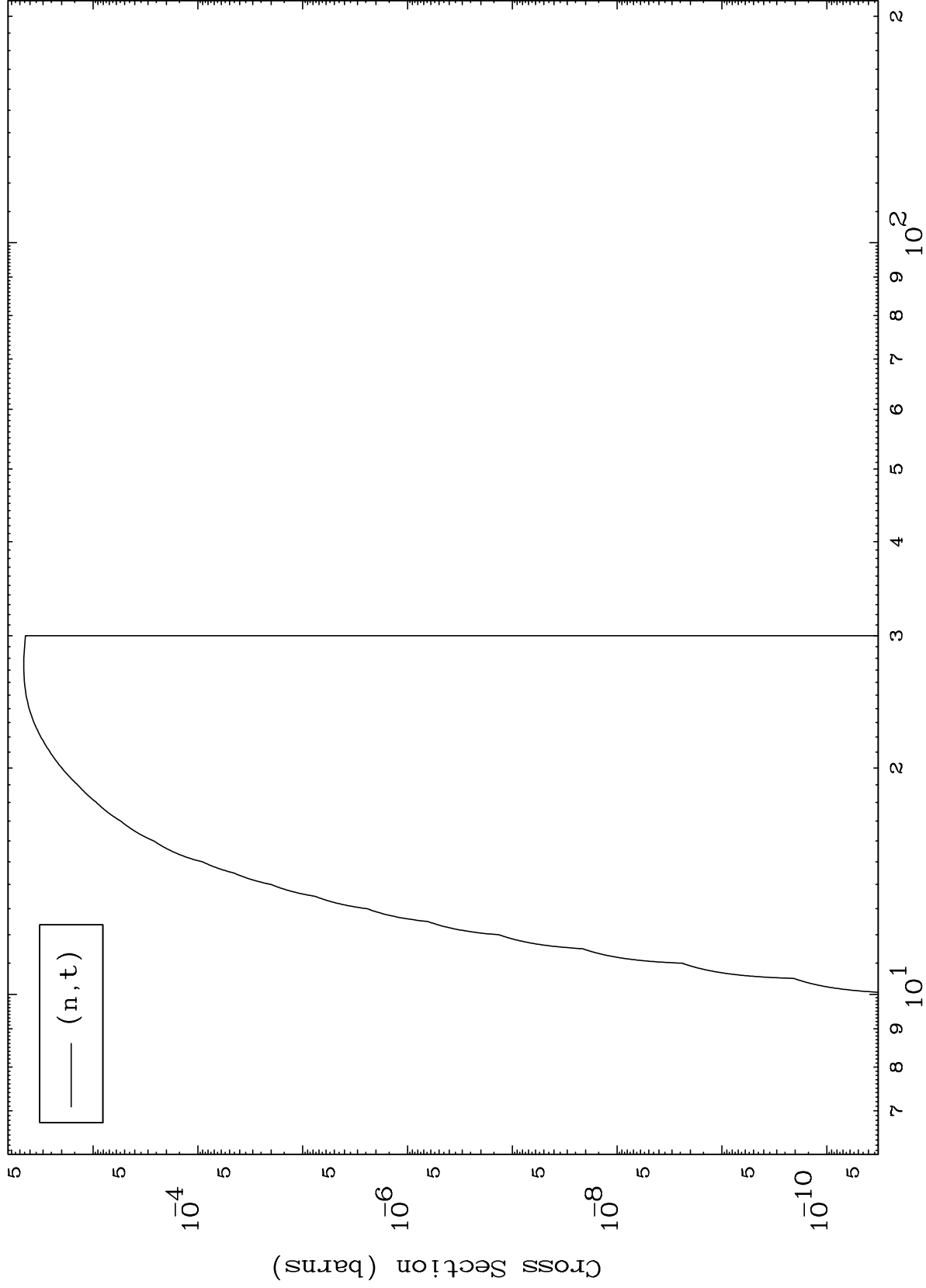
Incident Energy (MeV)

57-La-139

MAT 5728

(n,t) Levels
293 Kelvin Cross Sections

57-La-139



12

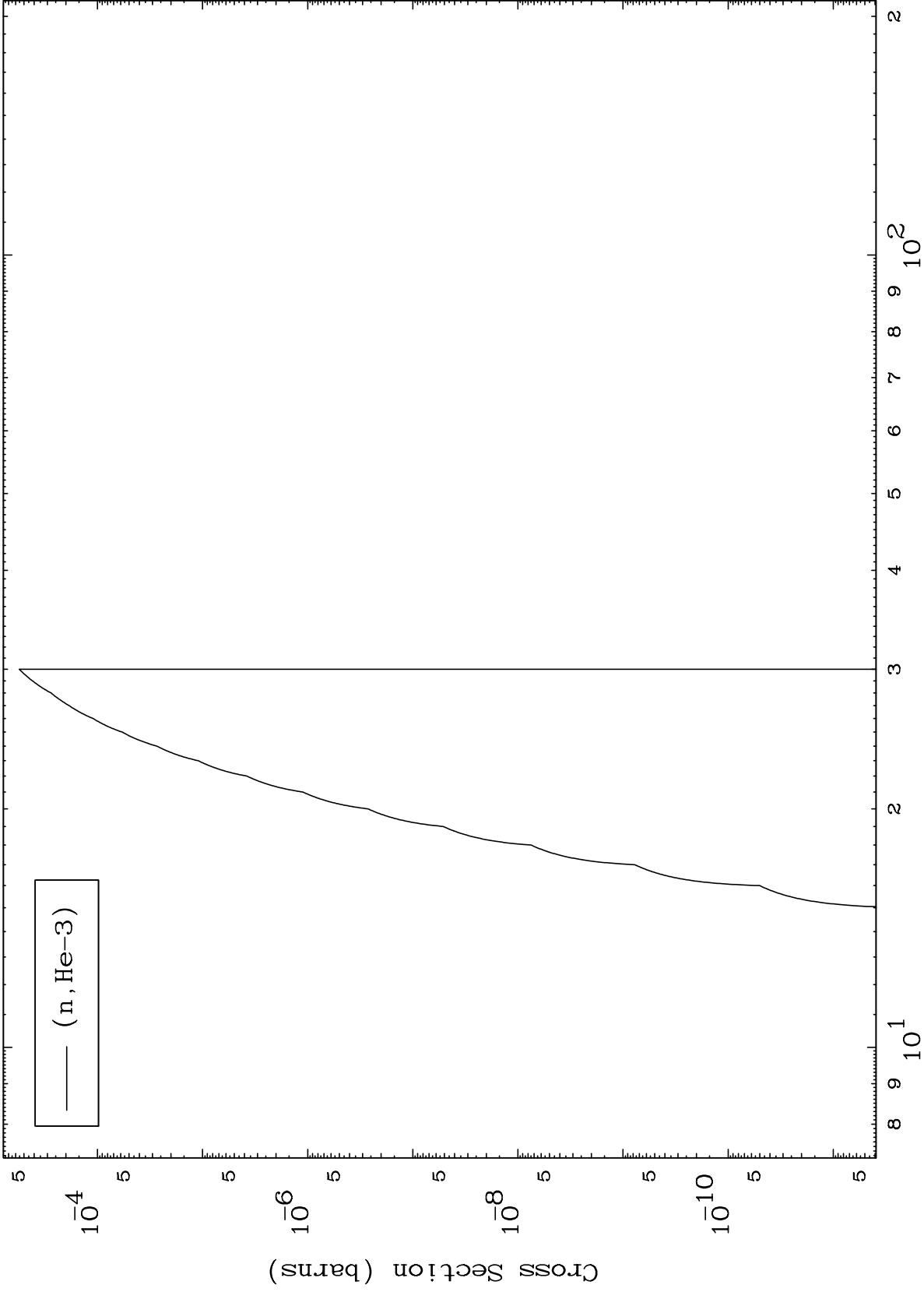
Incident Energy (MeV)

57-La-139

MAT 5728

(n,He3) Levels
293 Kelvin Cross Sections

57-La-139



13

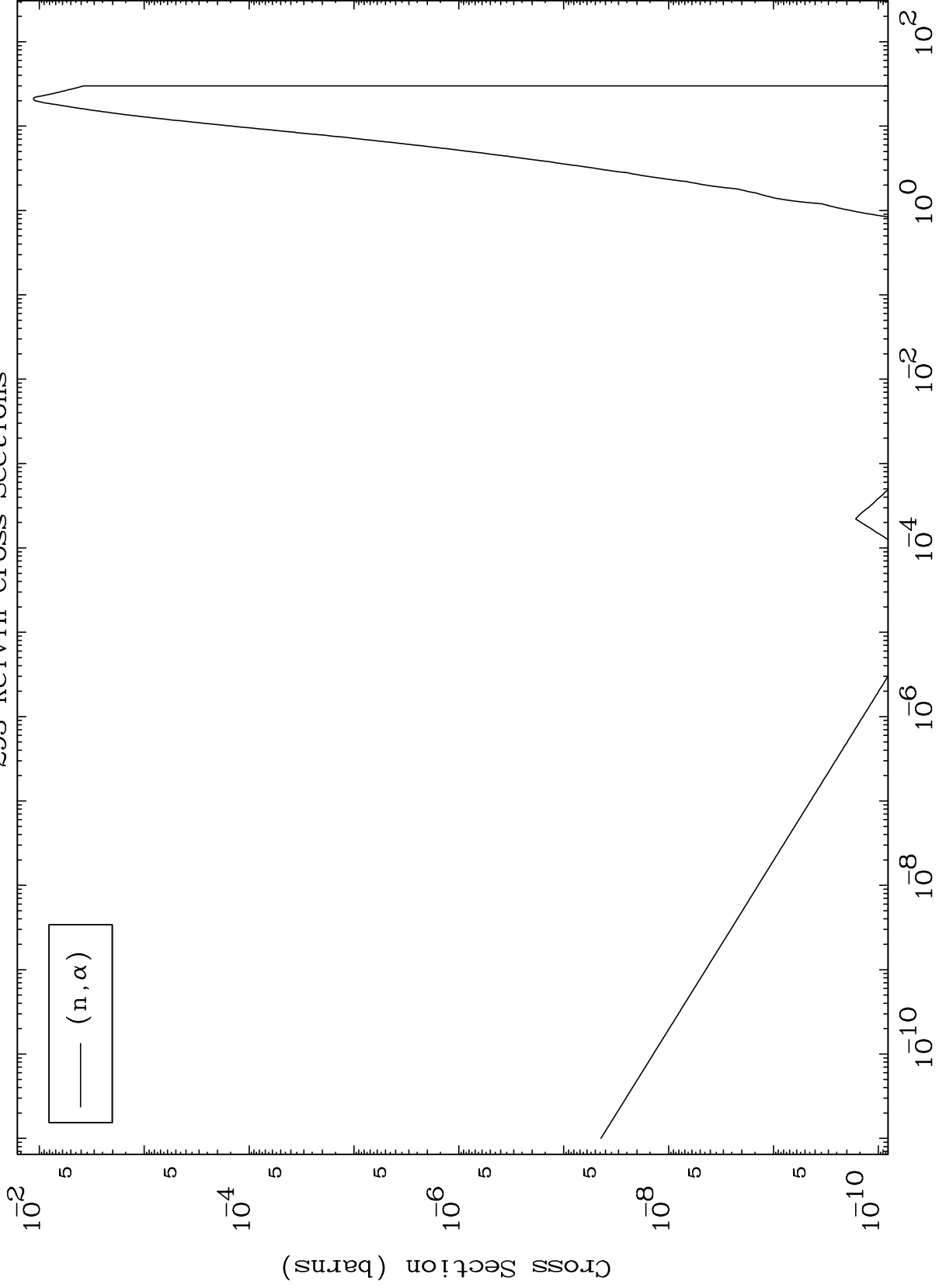
Incident Energy (MeV)

57-La-139

MAT 5728

(n, α) Levels
293 Kelvin Cross Sections

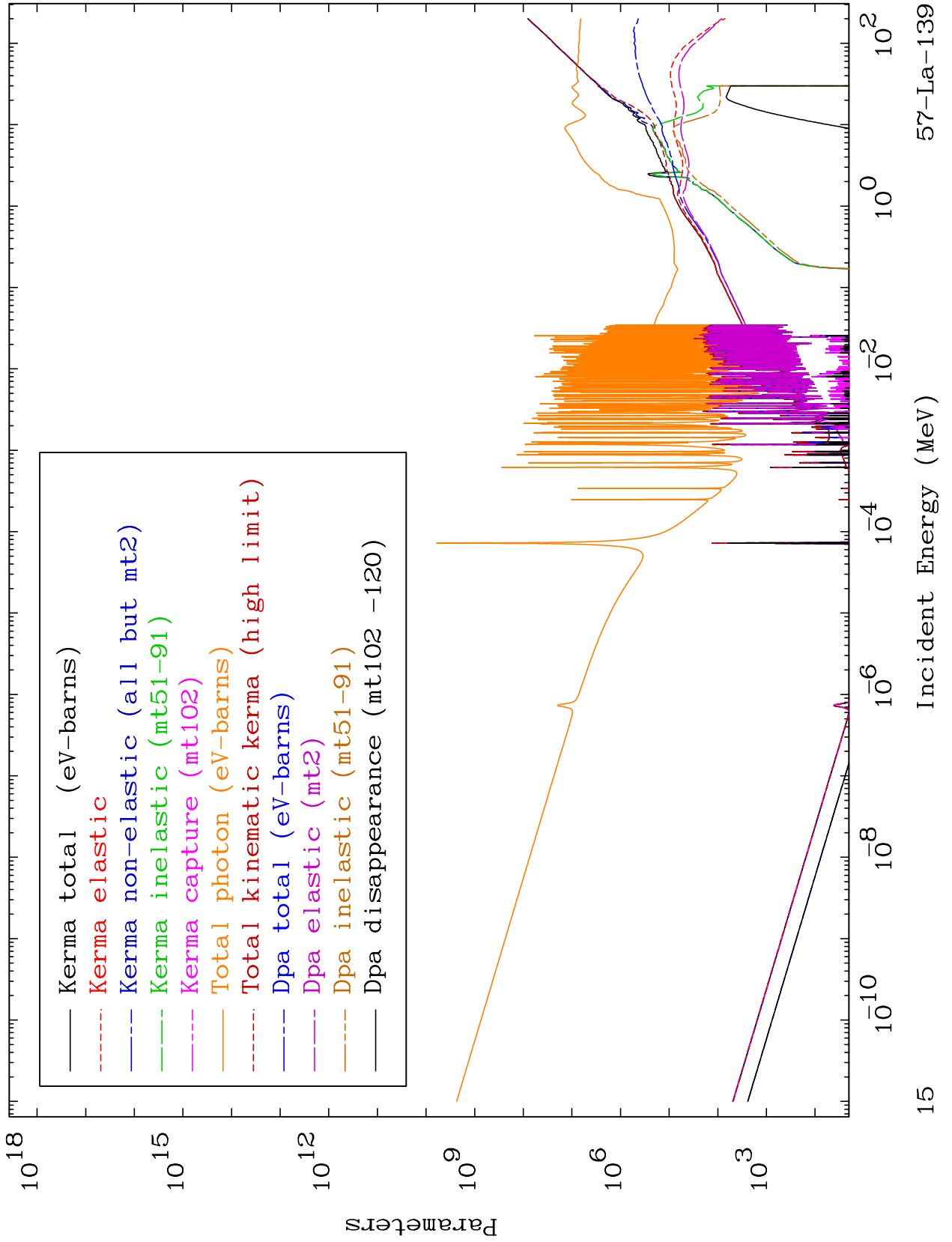
57-La-139



57-La-139

Incident Energy (MeV)

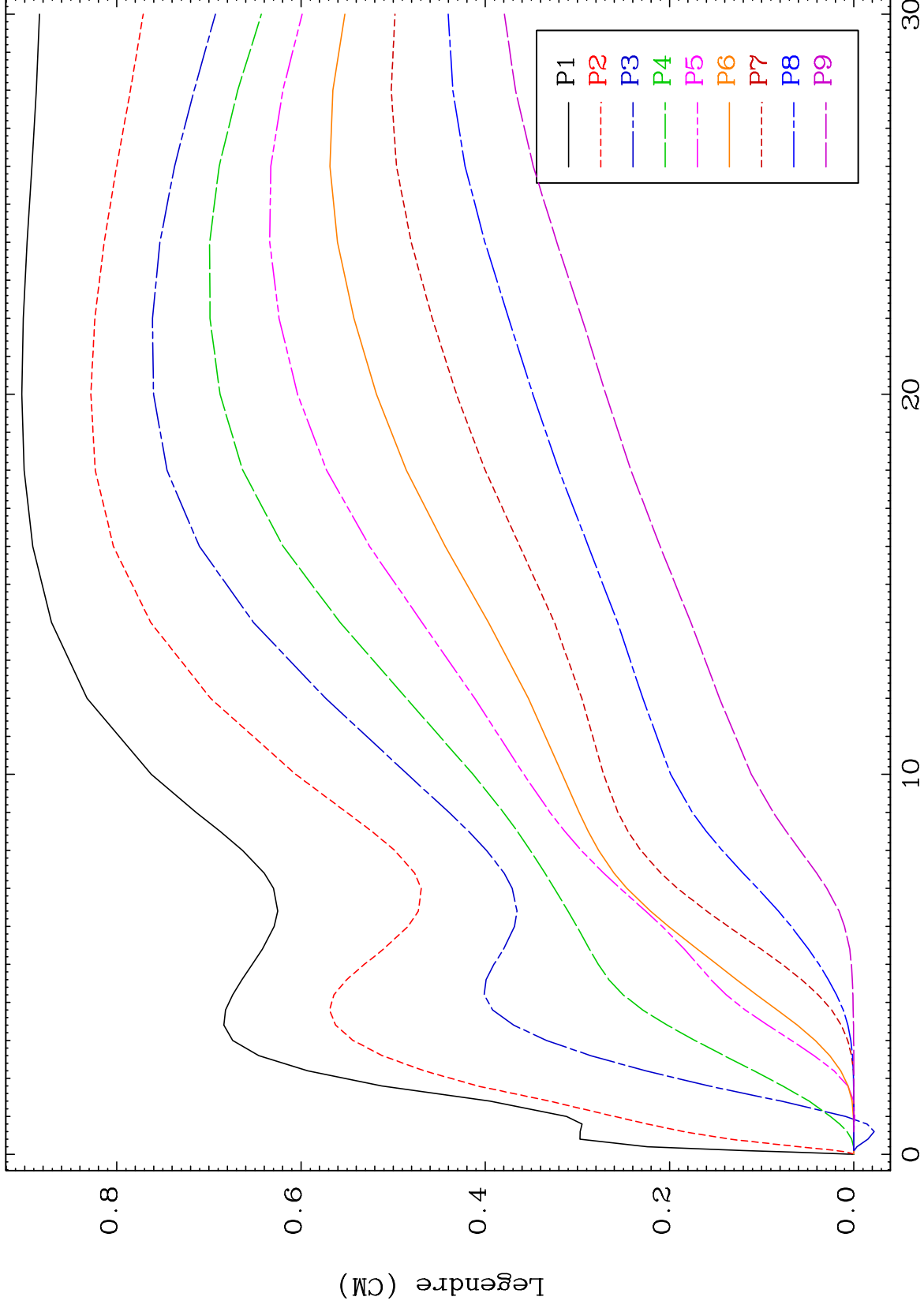
14



MAT 5728

57-La-139

Elastic Legendre Coefficients



57-La-139

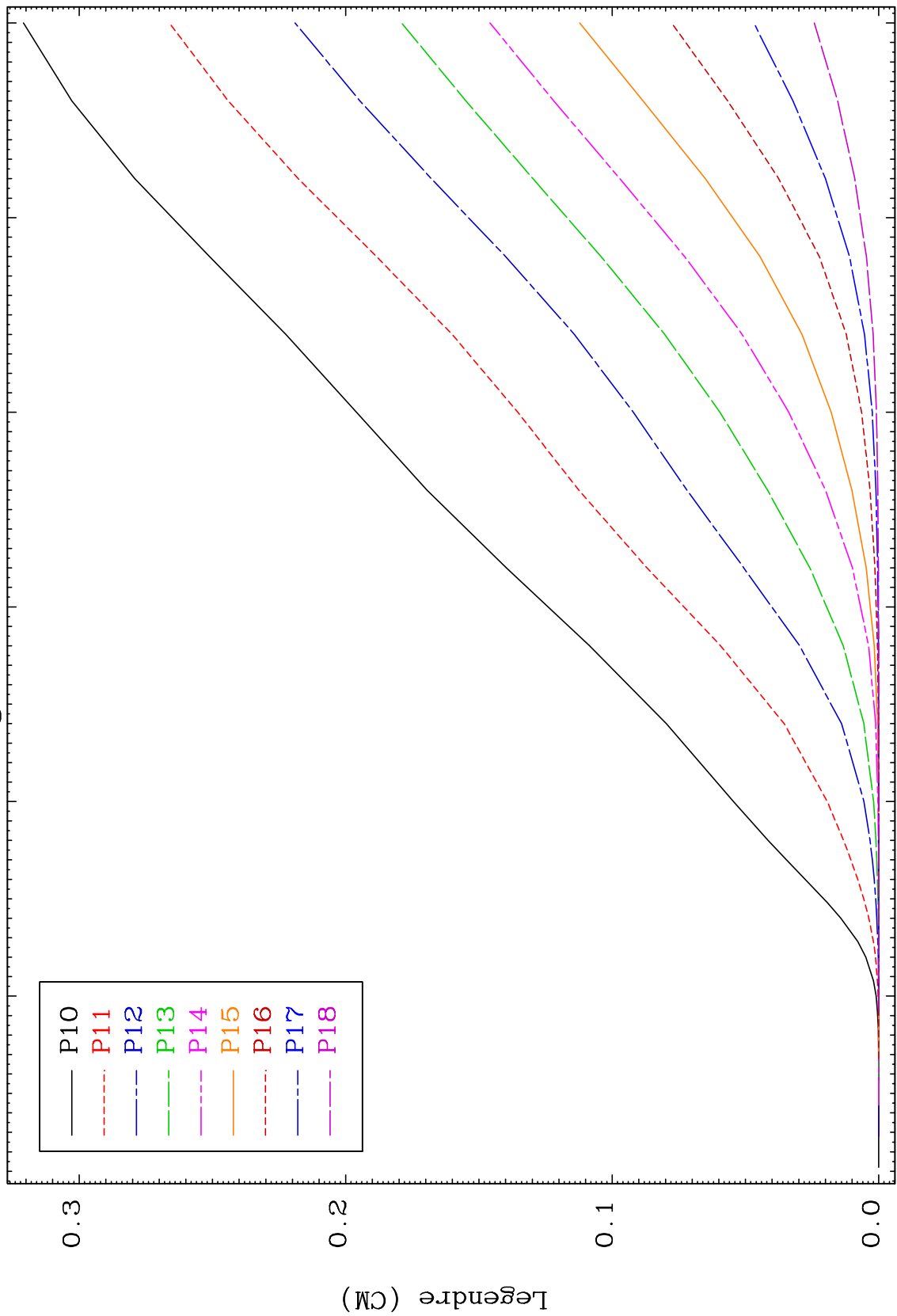
Incident Energy (MeV)

16

MAT 5728

Elastic Legendre Coefficients

57-La-139



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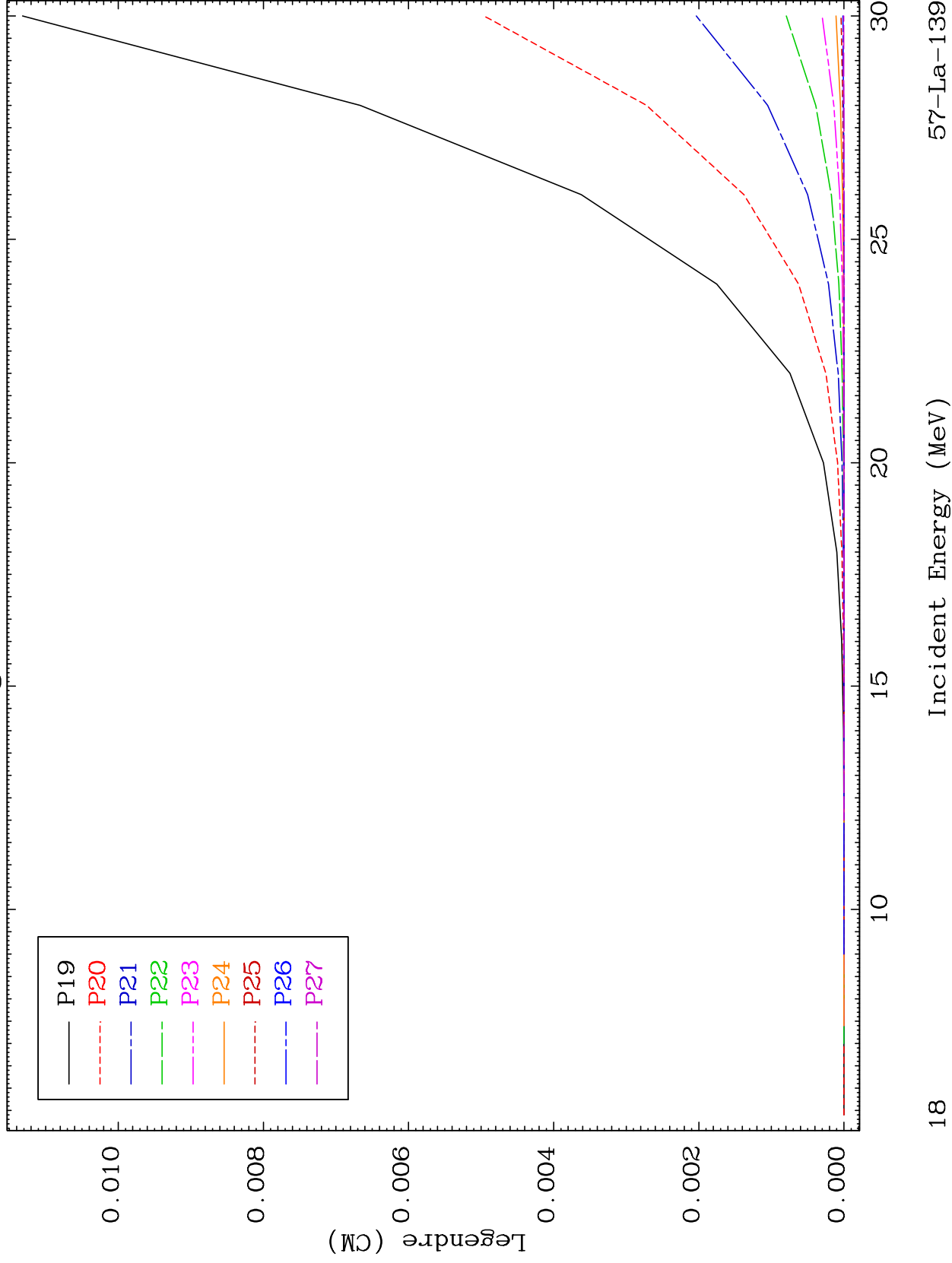
Incident Energy (MeV)

57-La-139

MAT 5728

Elastic Legendre Coefficients

57-La-139



18

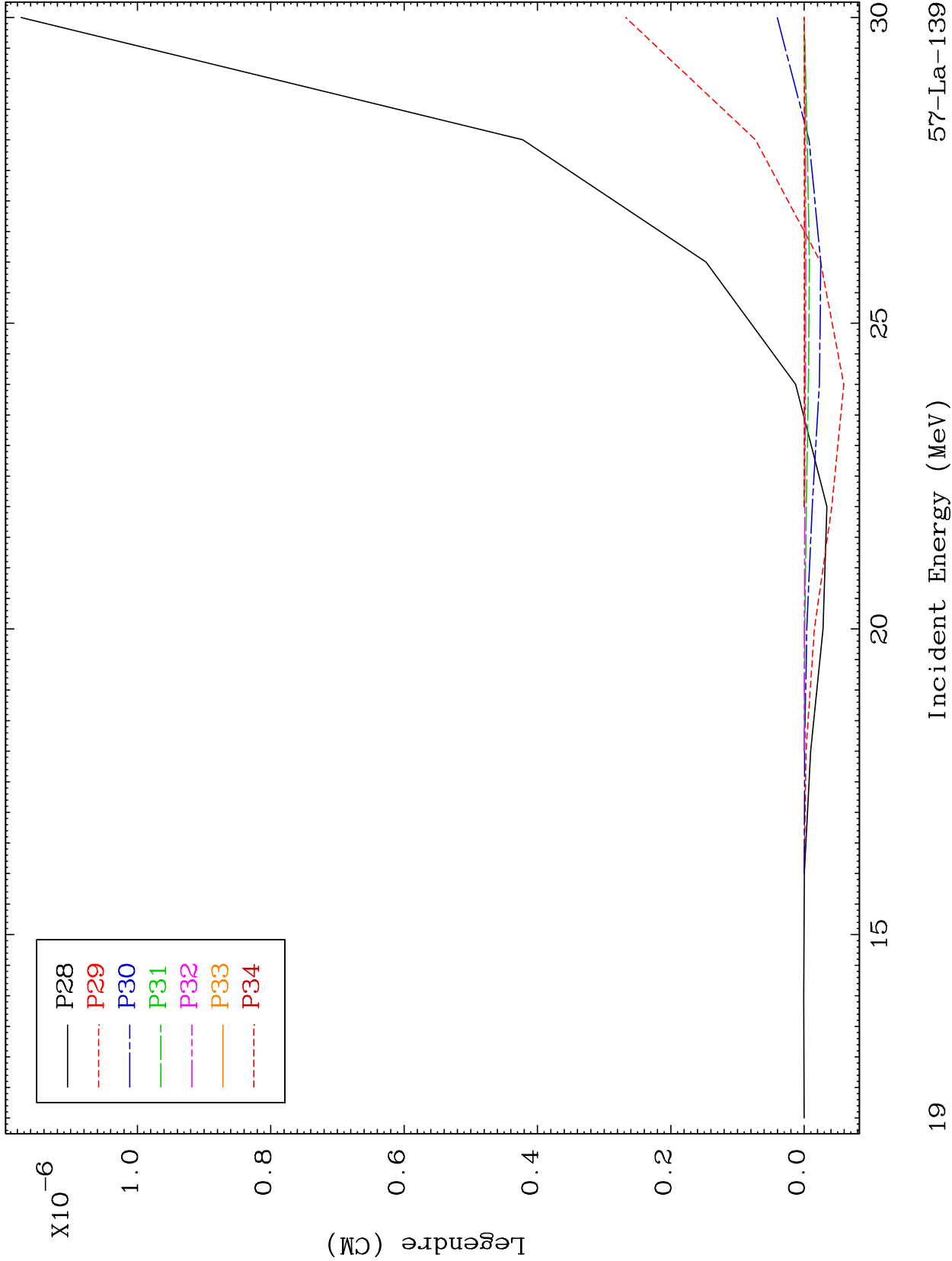
Incident Energy (MeV)

57-La-139

MAT 5728

Elastic Legendre Coefficients

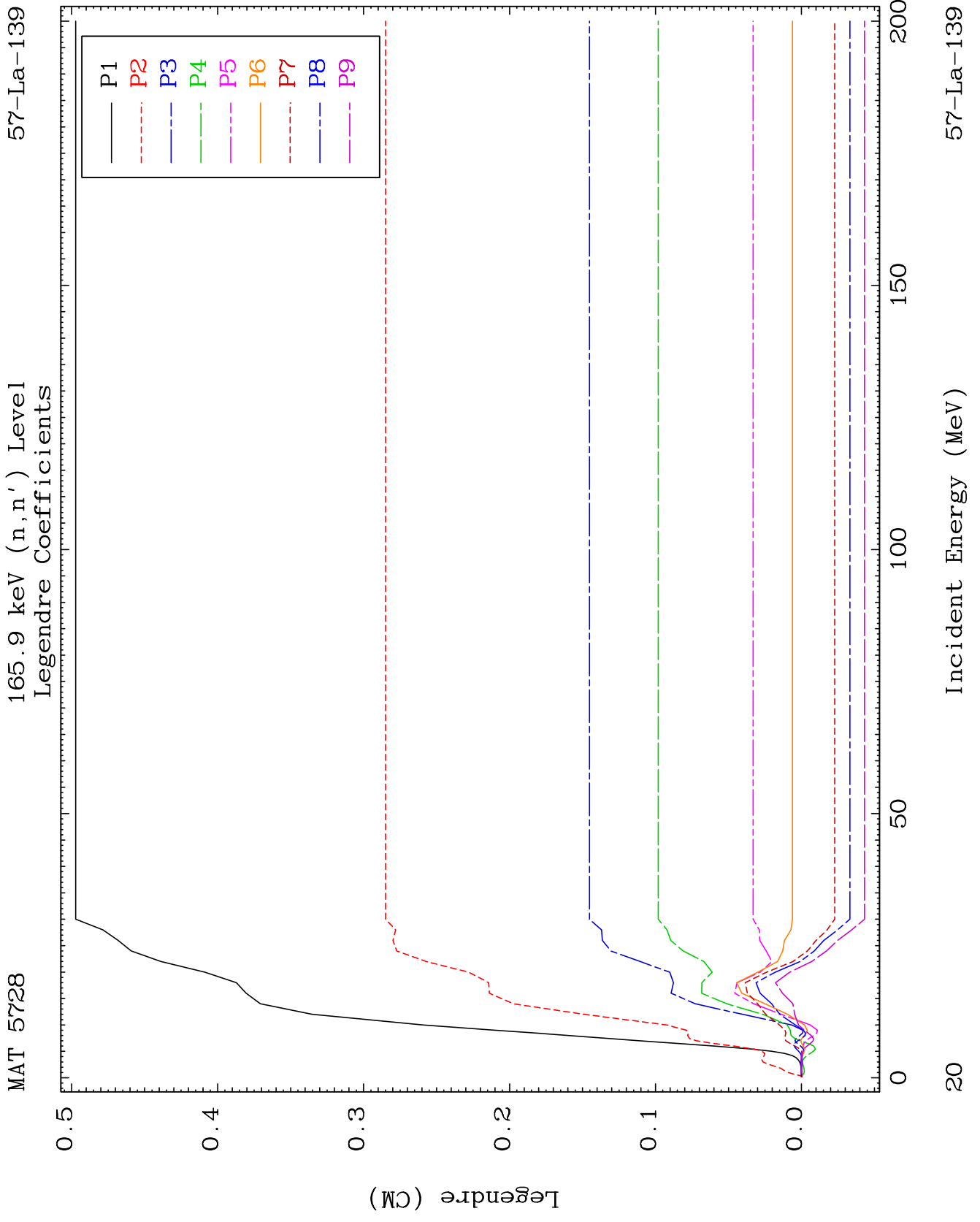
57-La-139

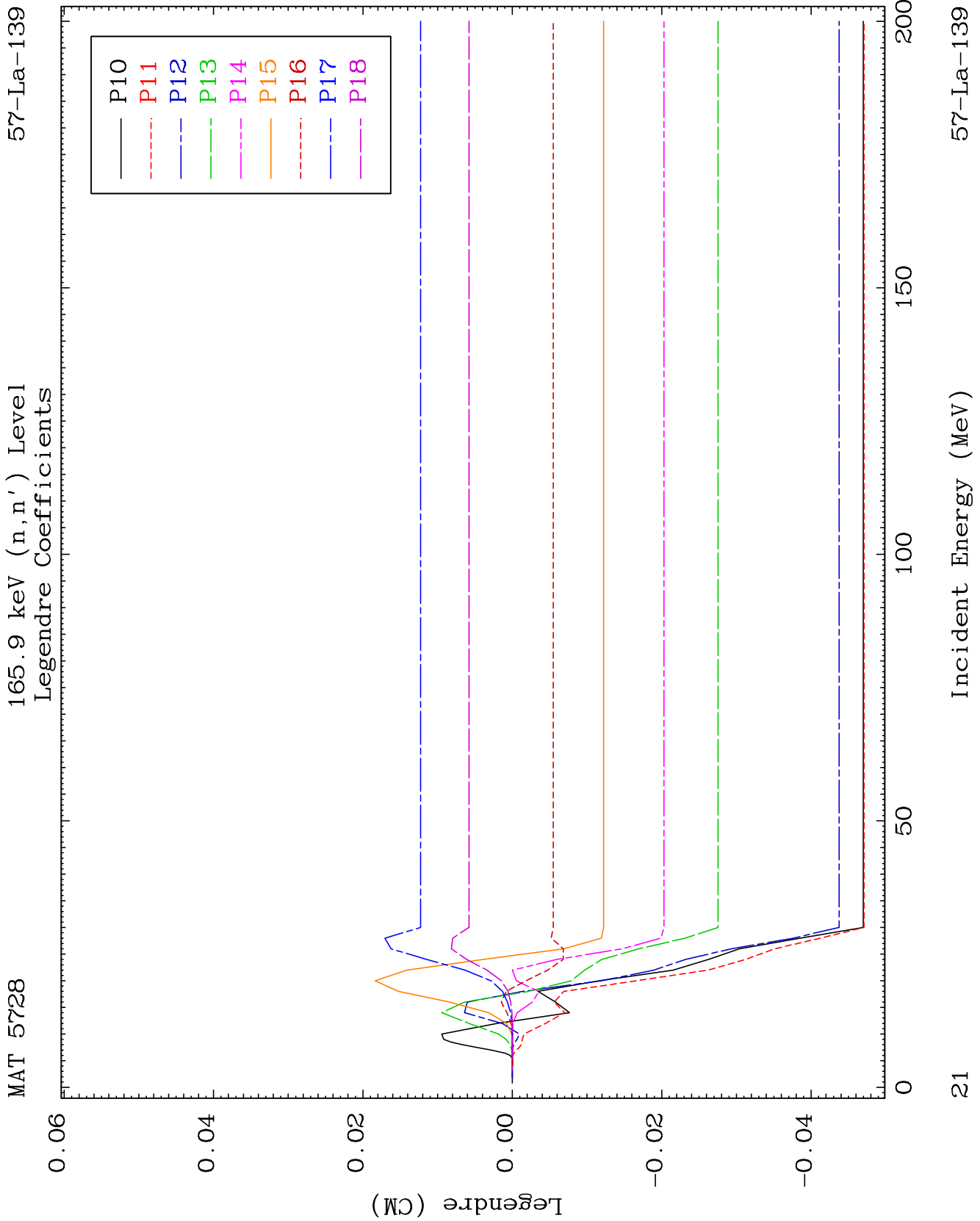


19

Incident Energy (MeV)

57-La-139

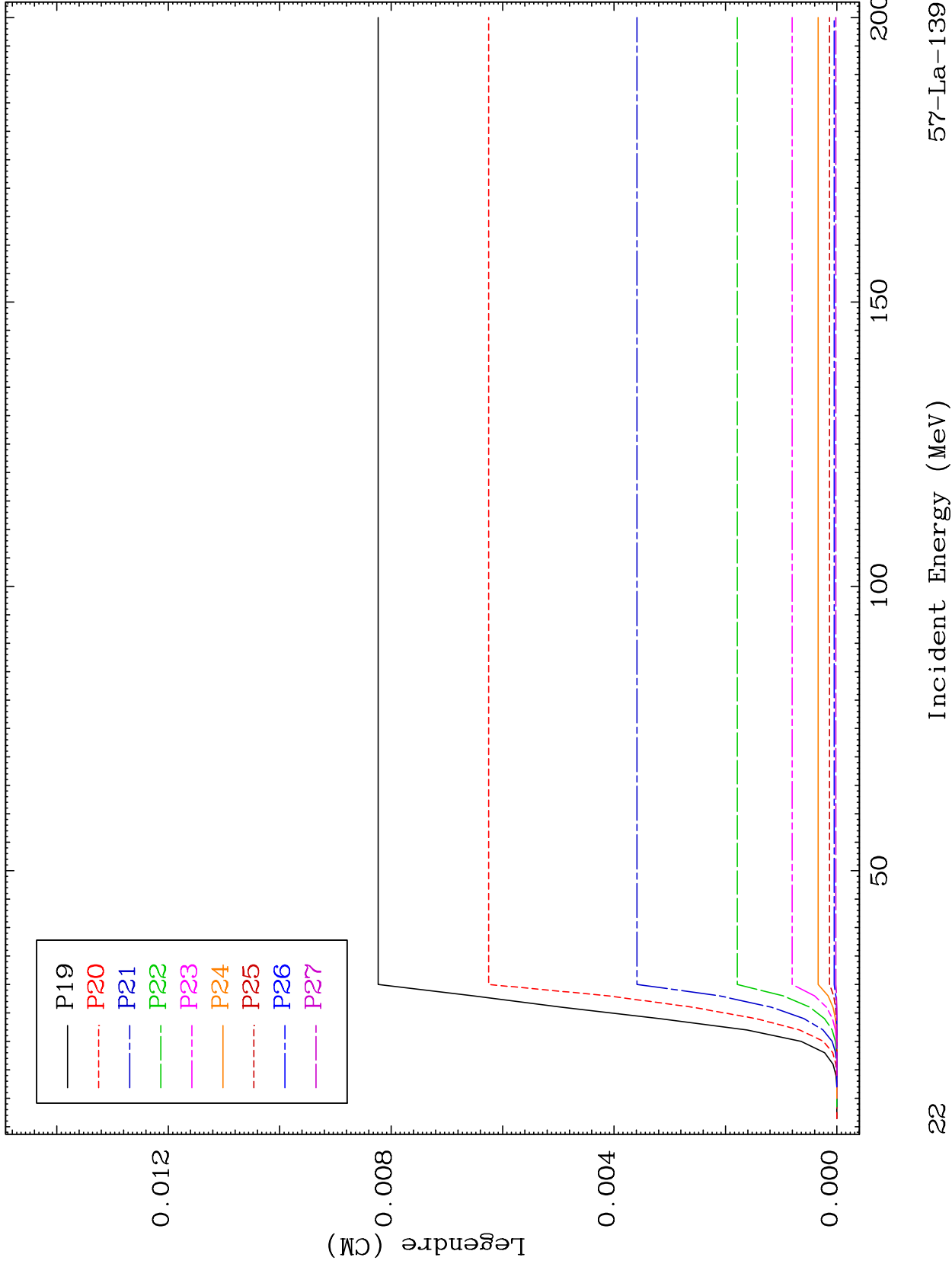




MAT 5728

165.9 keV (n,n') Level
Legendre Coefficients

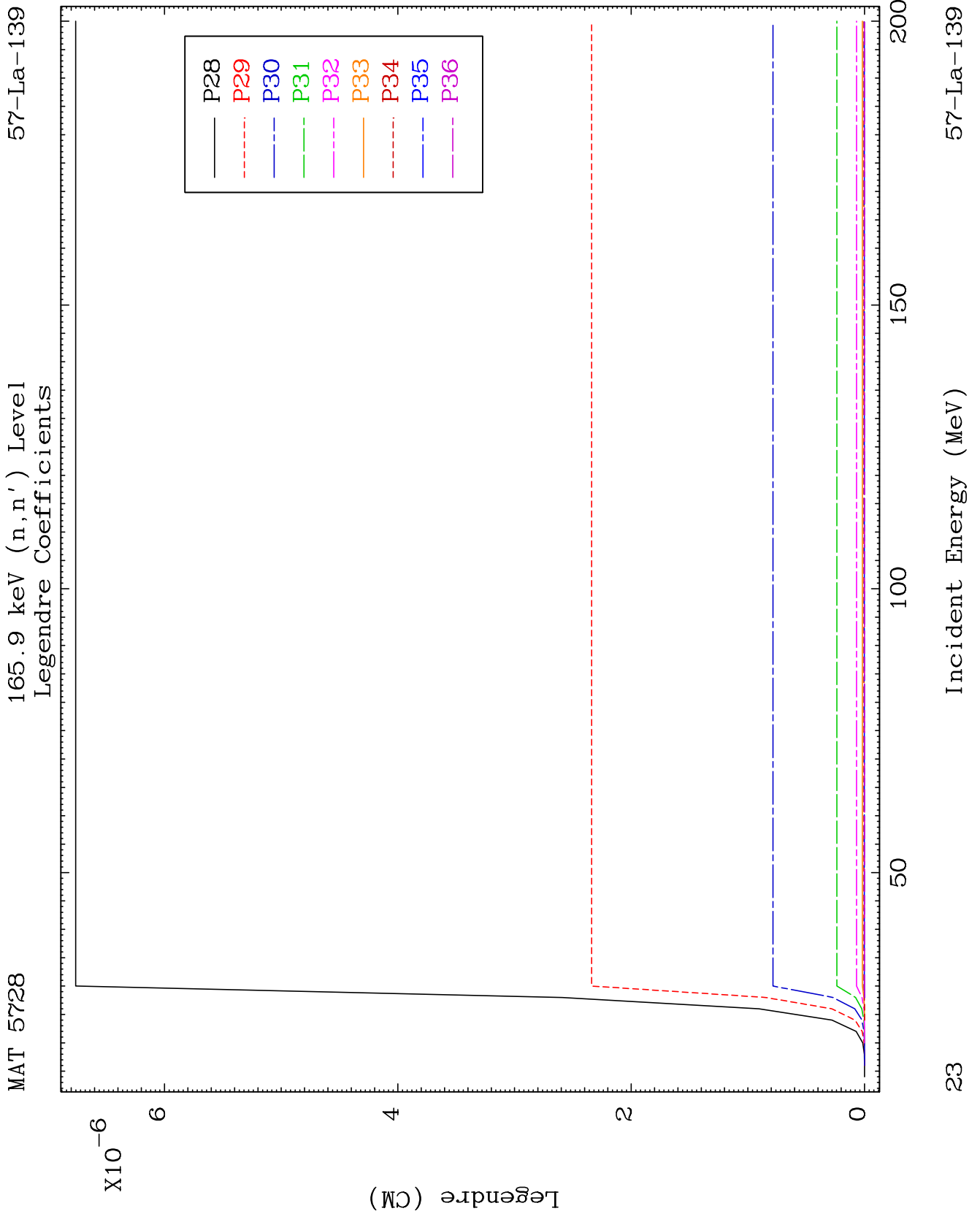
57-La-139

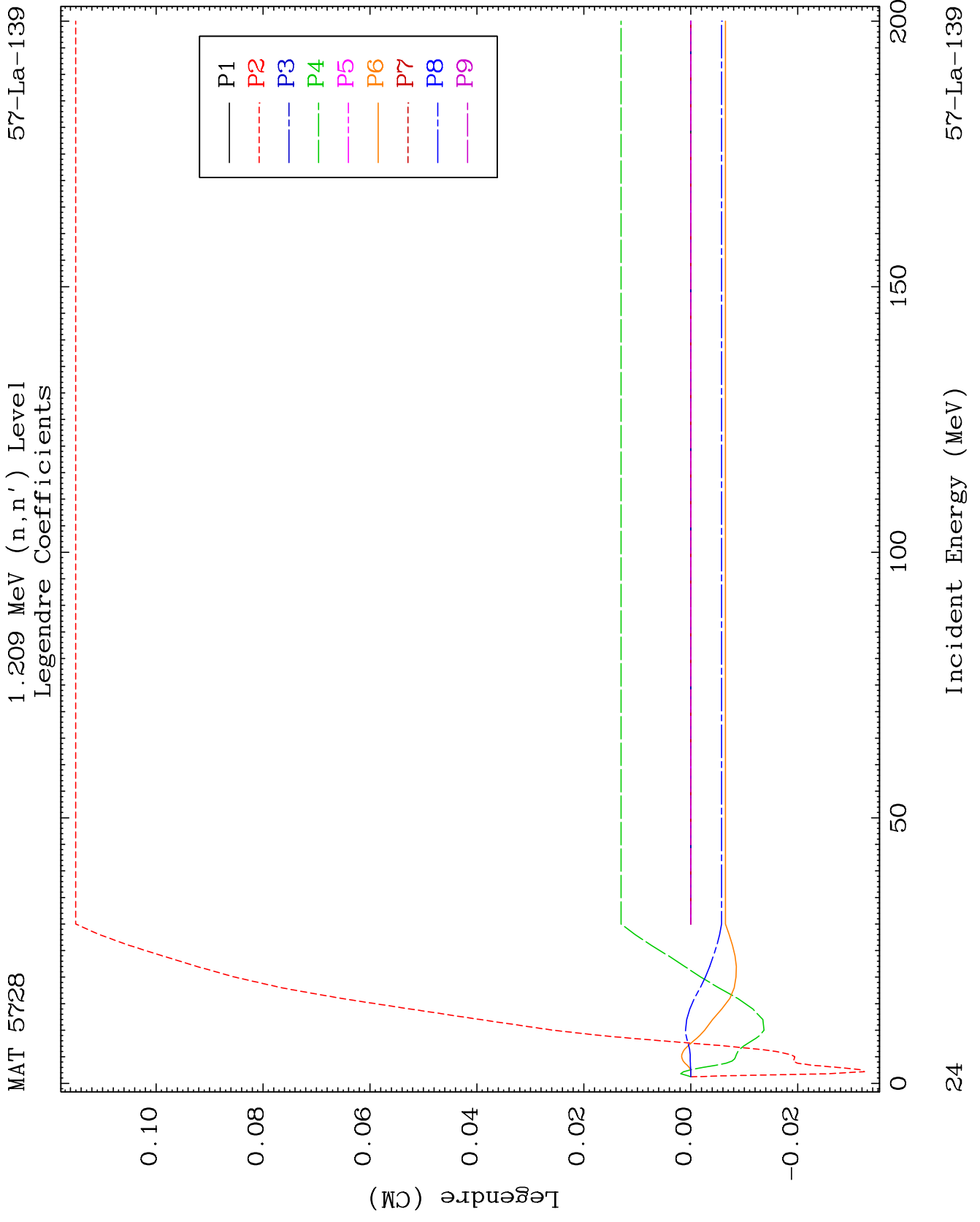


22

Incident Energy (MeV)

57-La-139

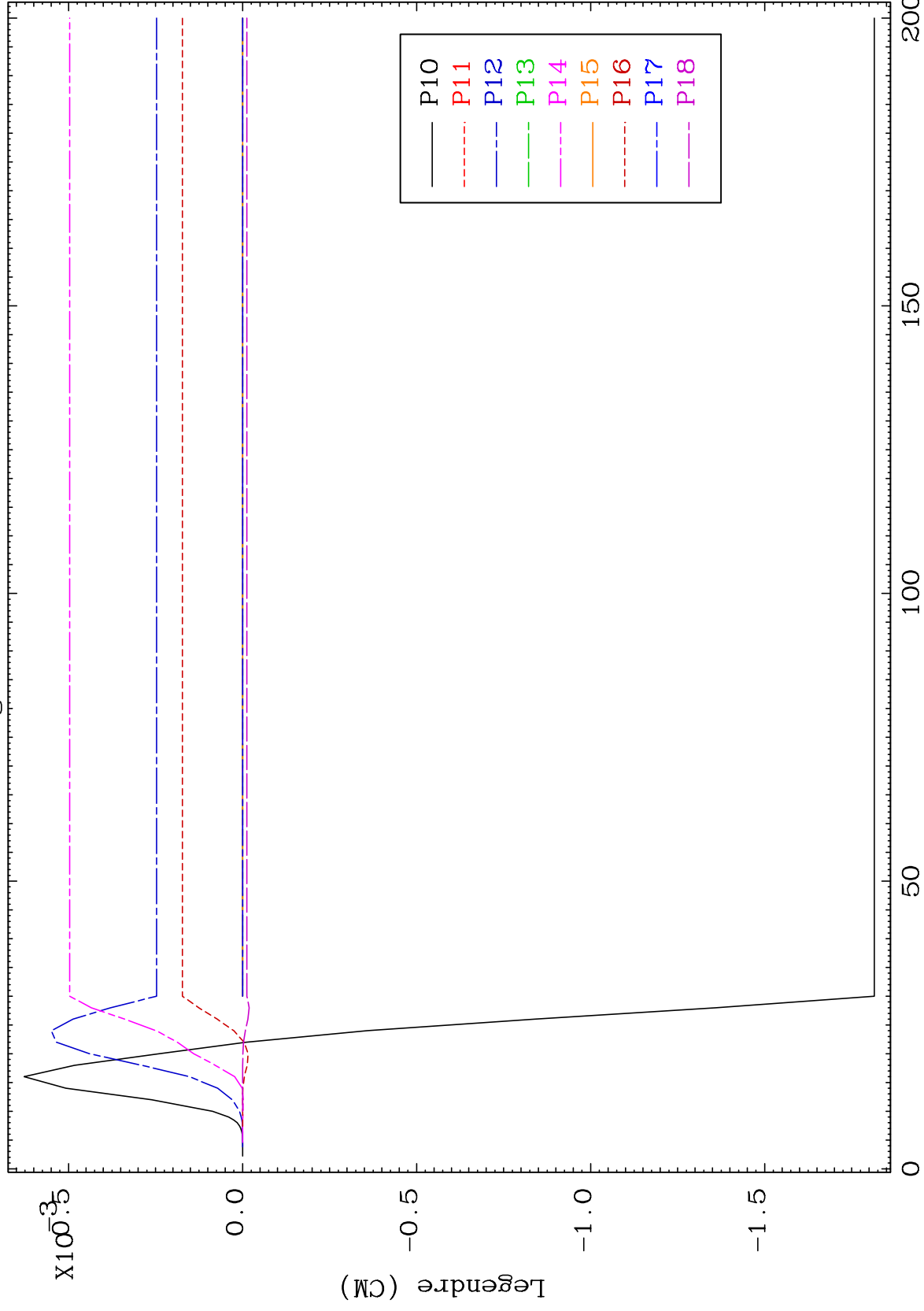




MAT 5728

1.209 MeV (n,n') Level
Legendre Coefficients

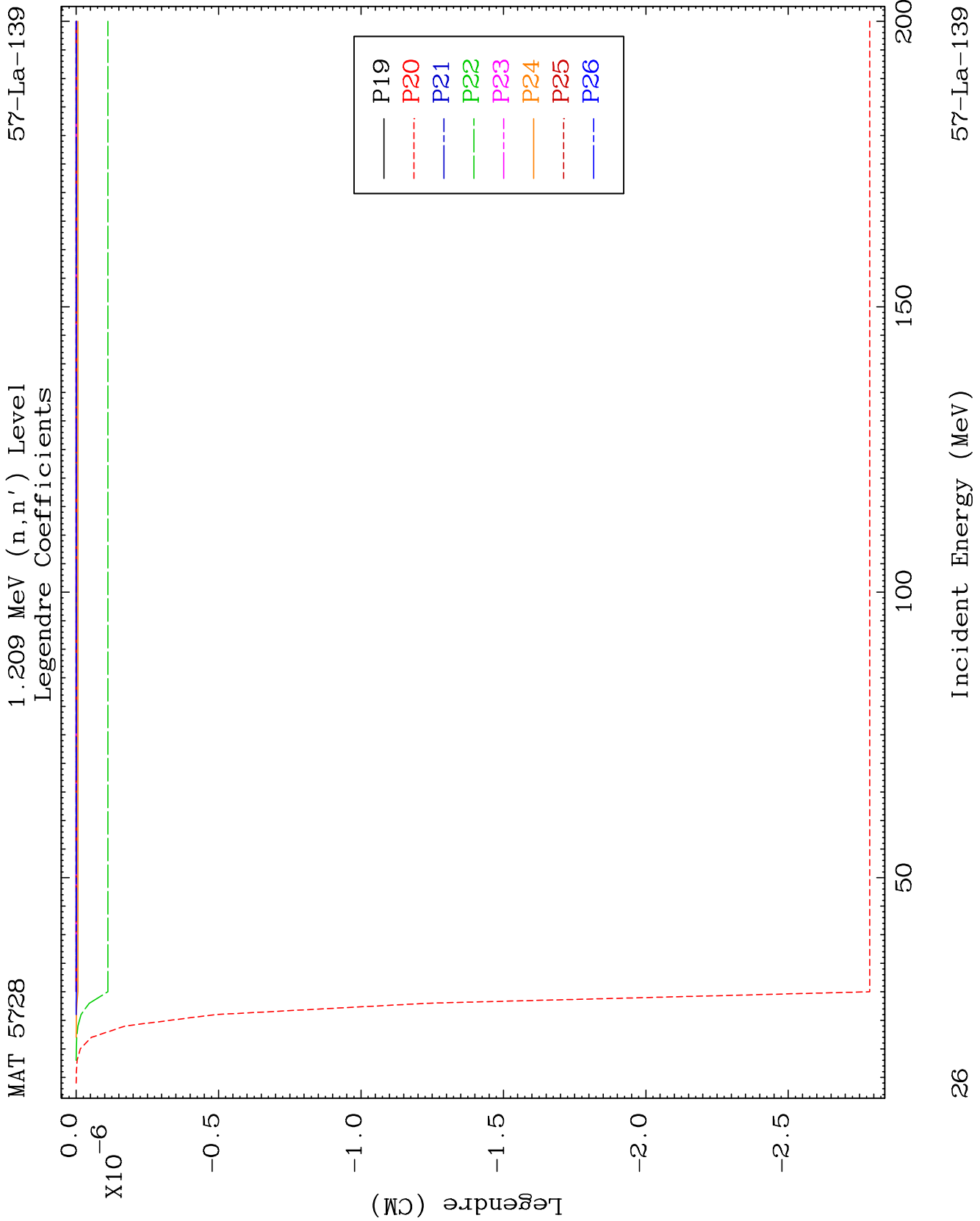
57-La-139

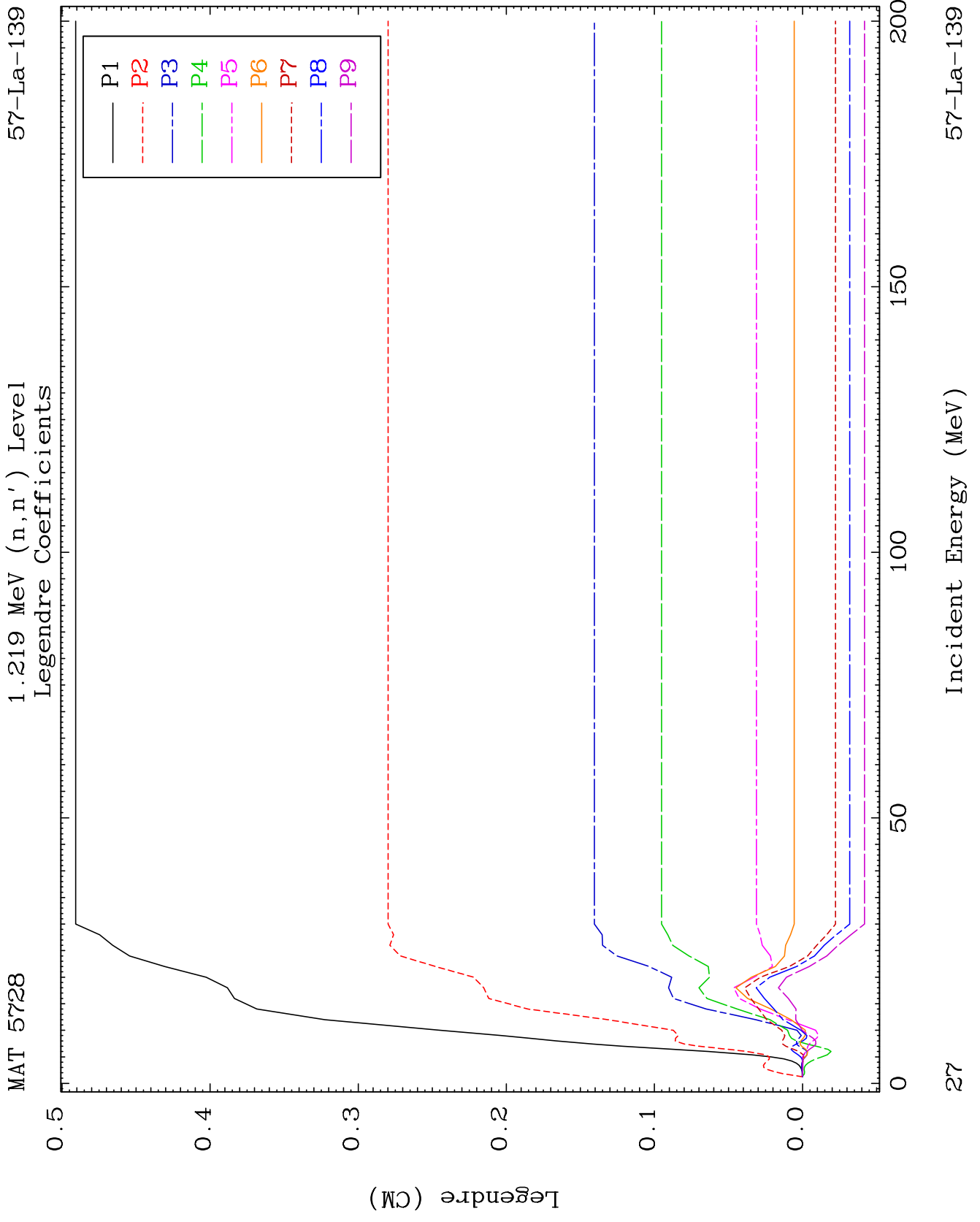


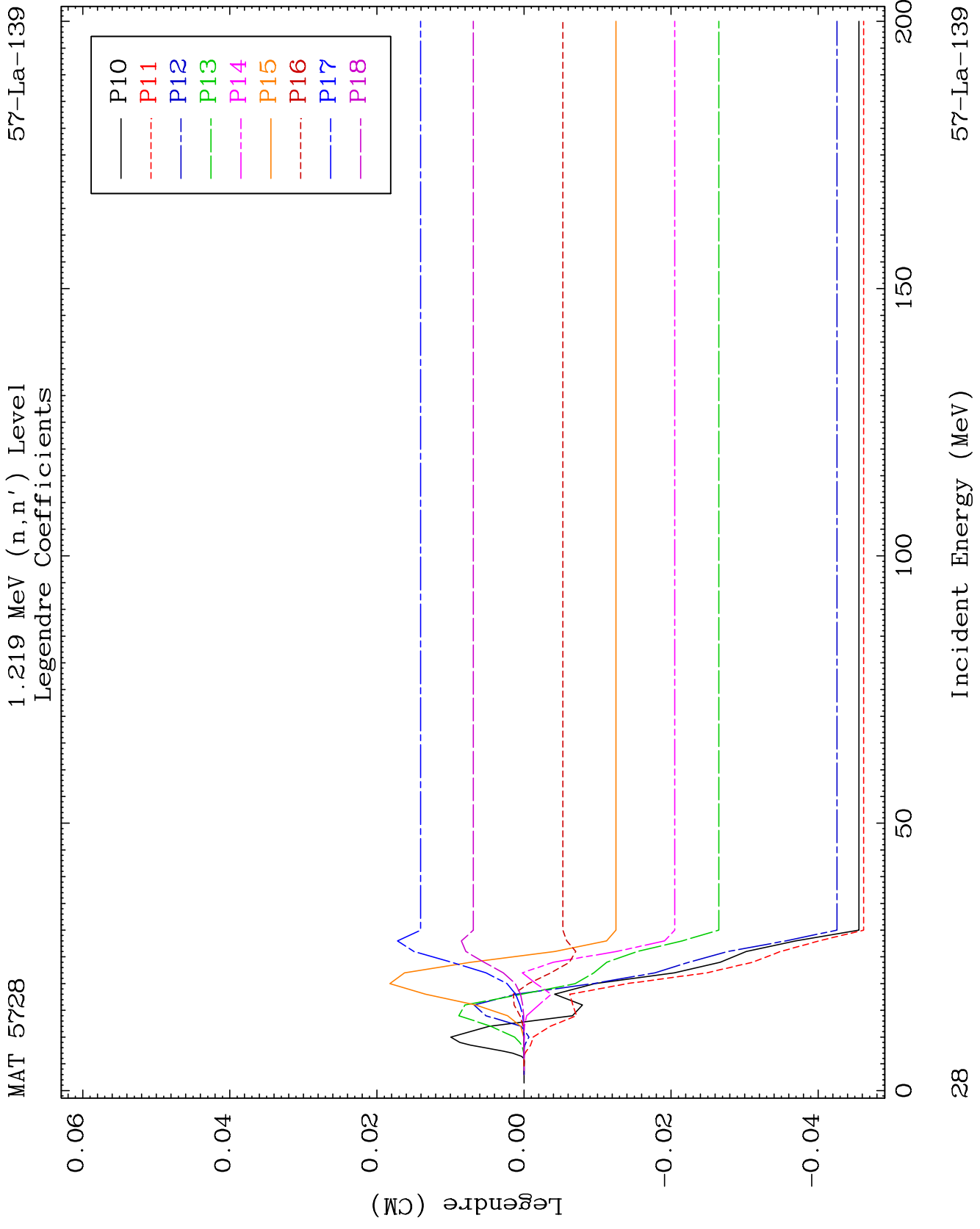
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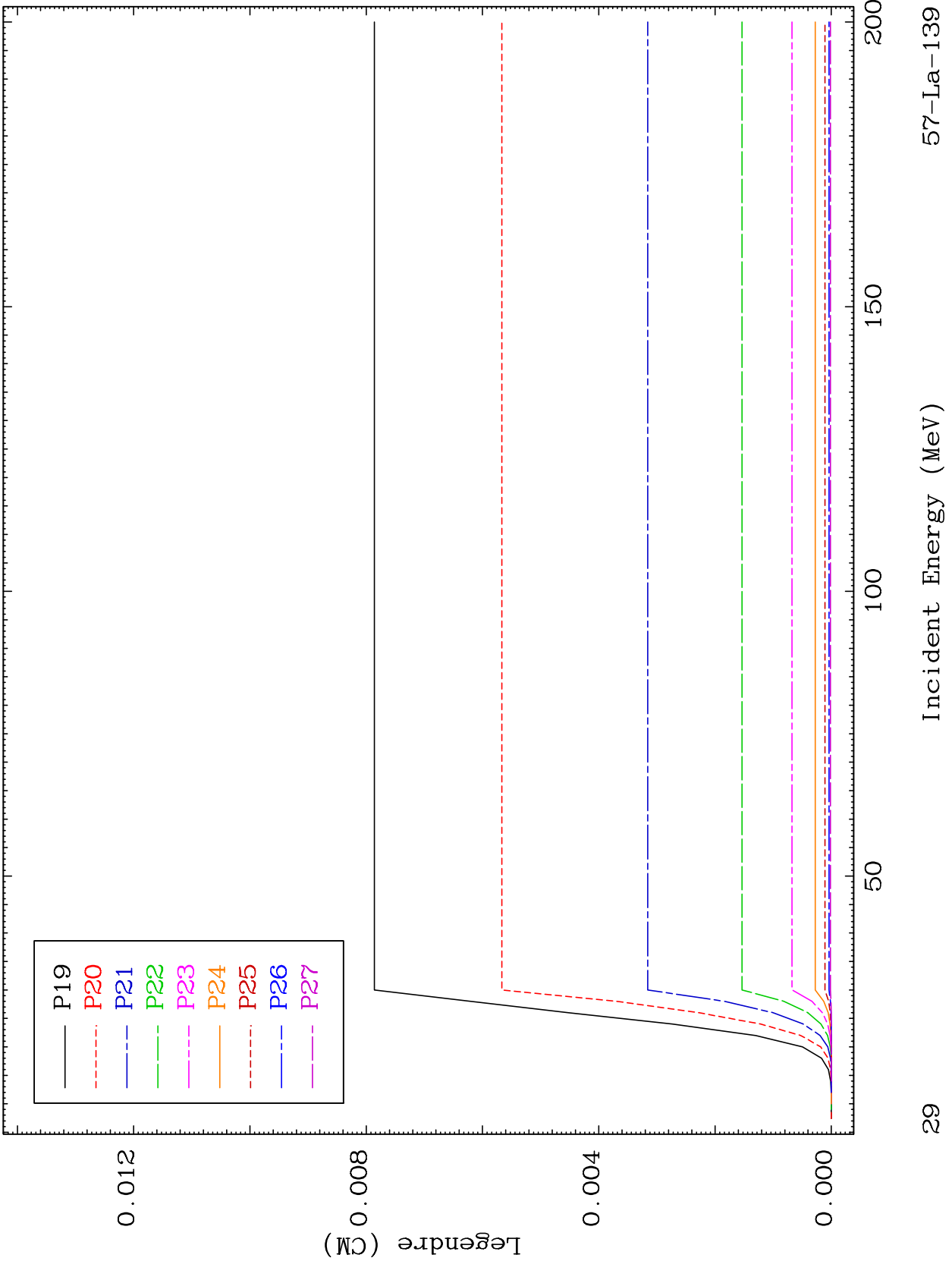
Incident Energy (MeV)

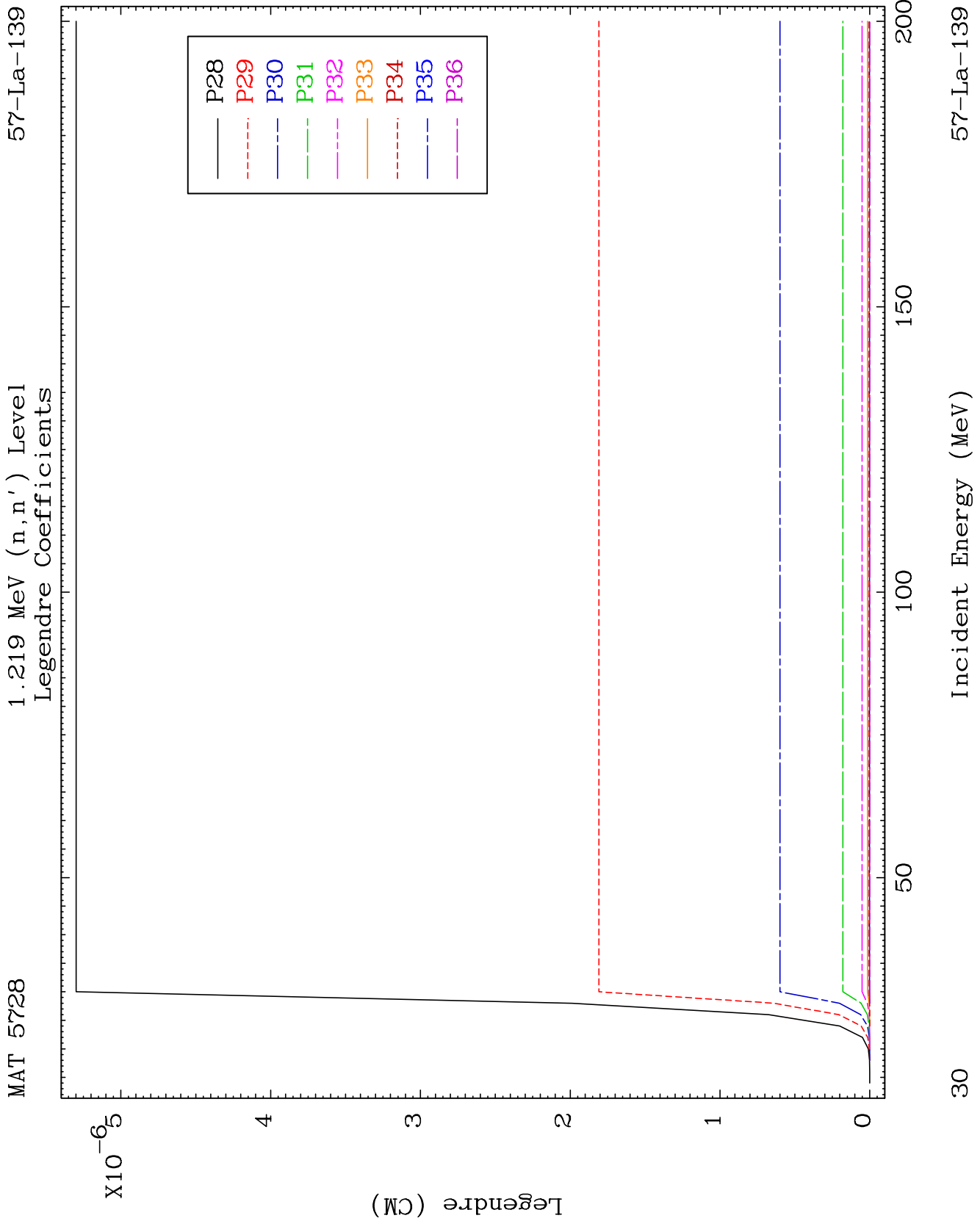
57-La-139

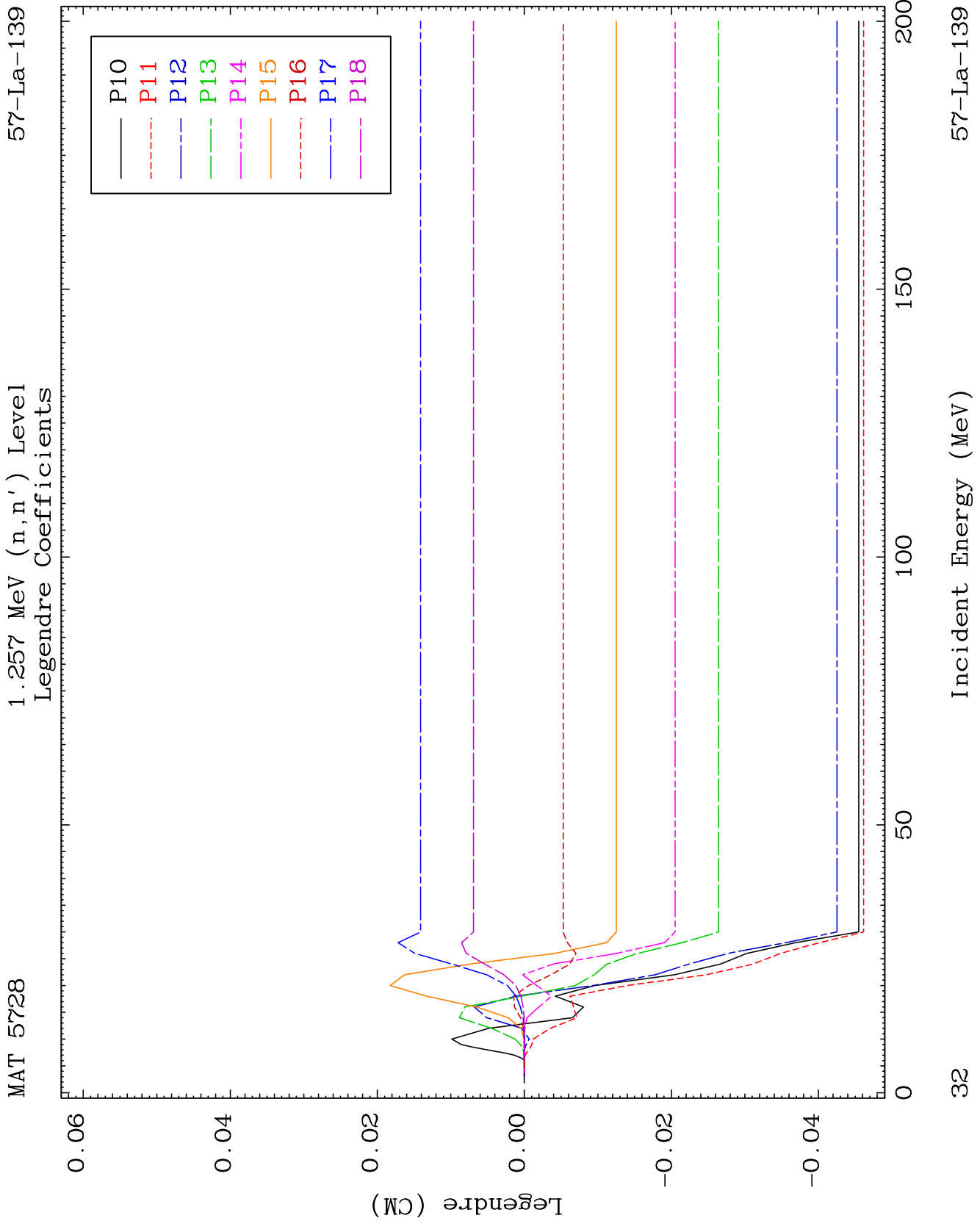


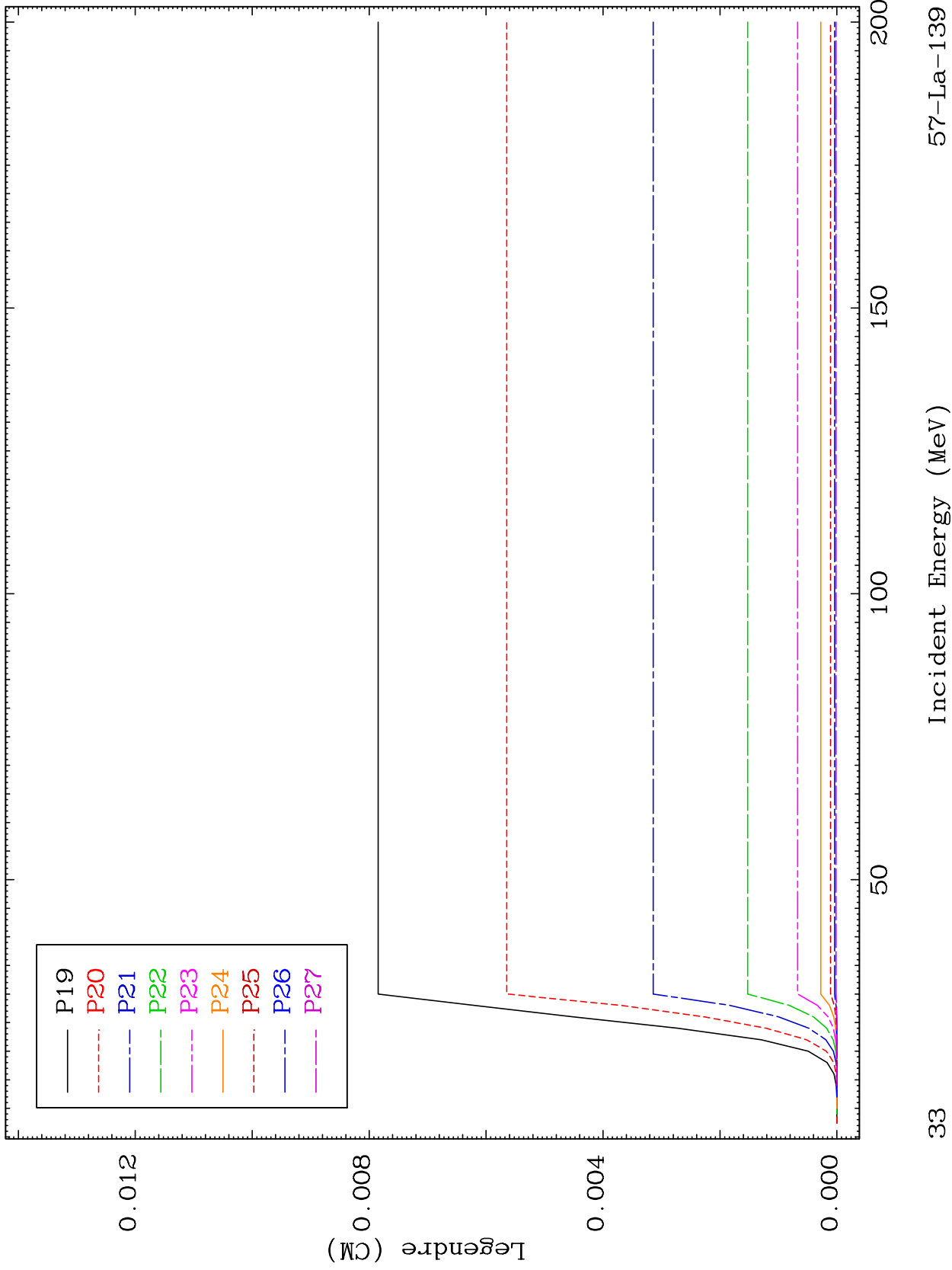








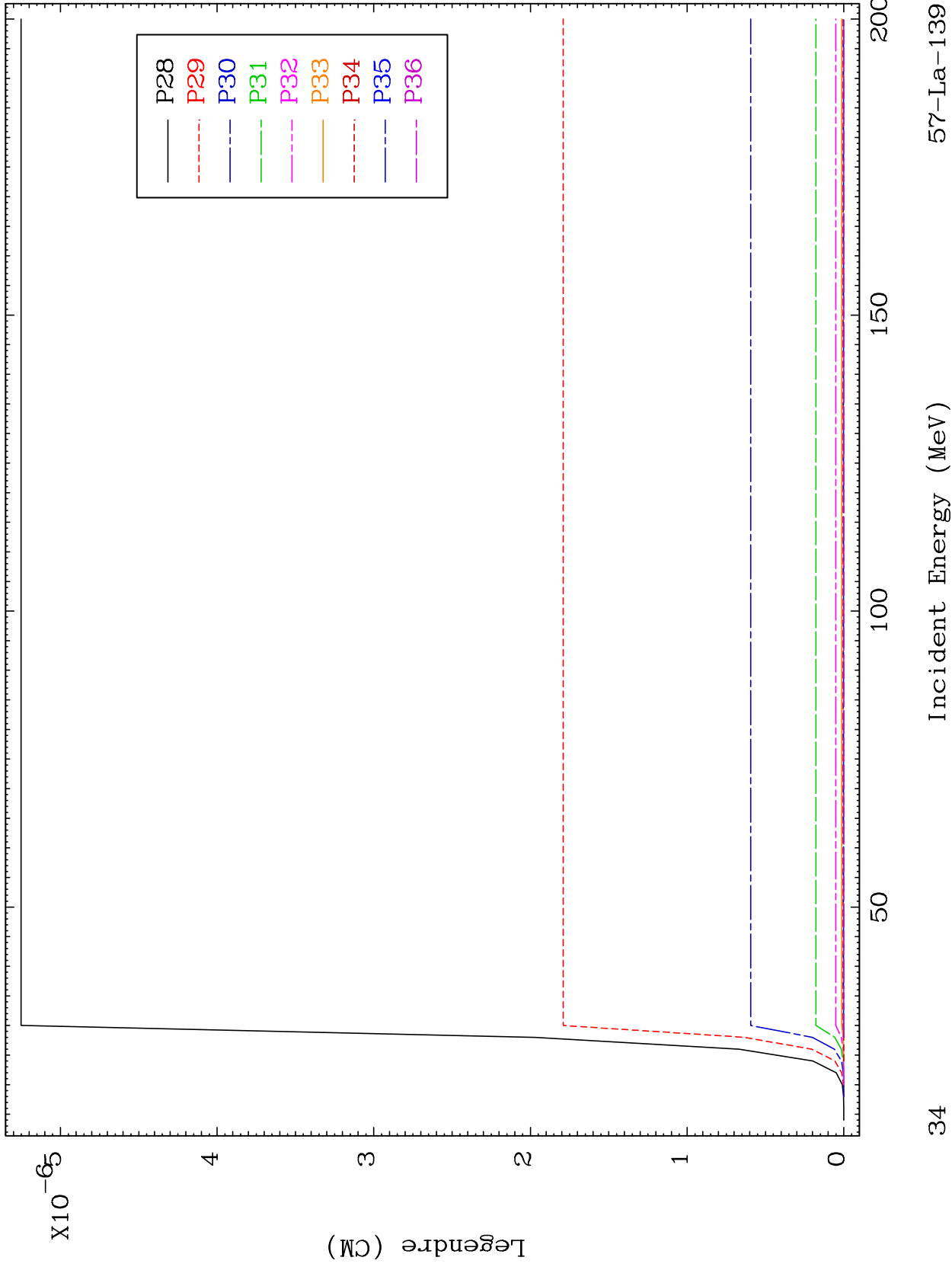




MAT 5728

1.257 MeV (n, n') Level
Legendre Coefficients

57-La-139



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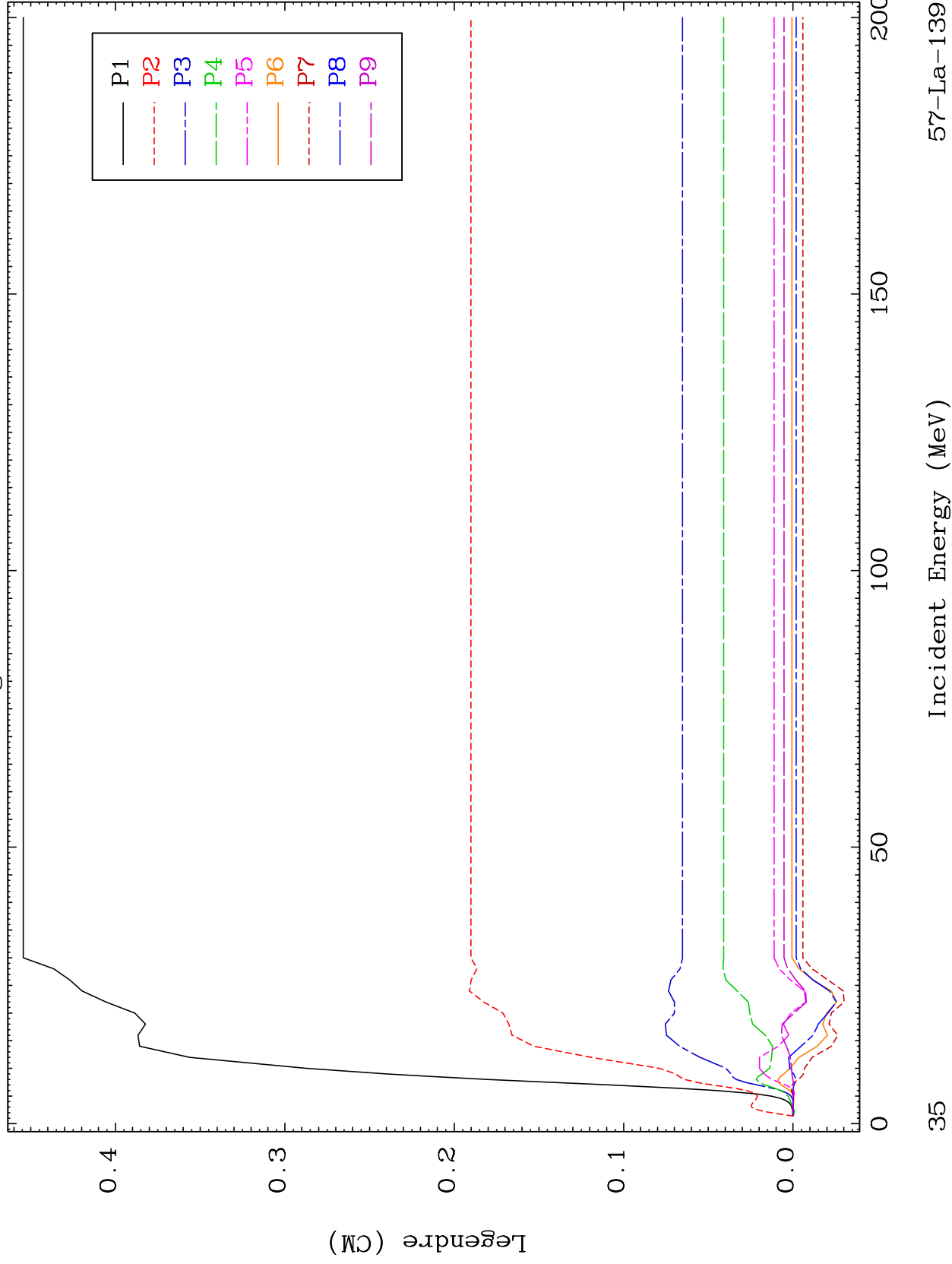
Incident Energy (MeV)

57-La-139

MAT 5728

1.381 MeV (n,n') Level
Legendre Coefficients

57-La-139



57-La-139

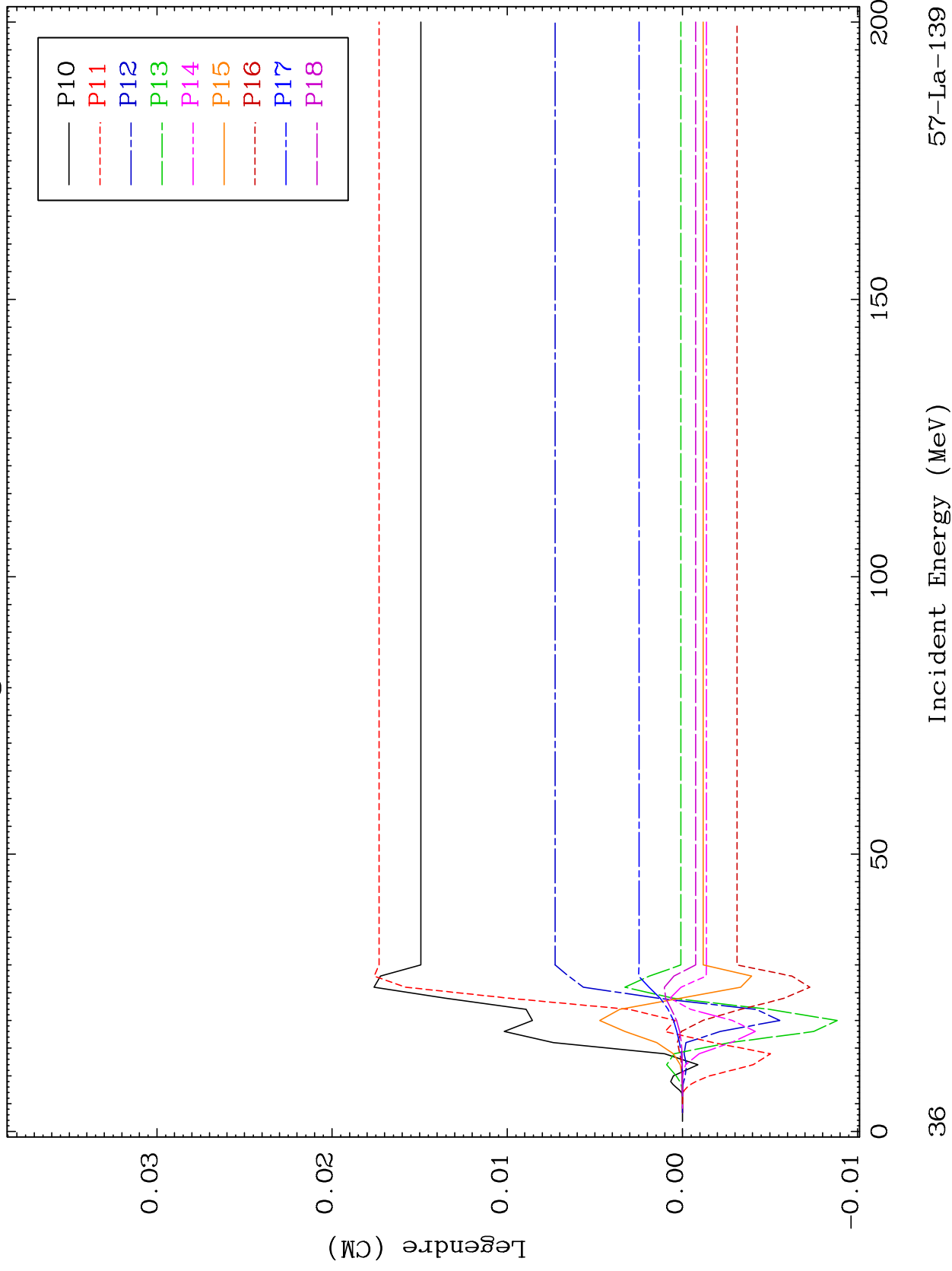
Incident Energy (MeV)

35

MAT 5728

1.381 MeV (n,n') Level
Legendre Coefficients

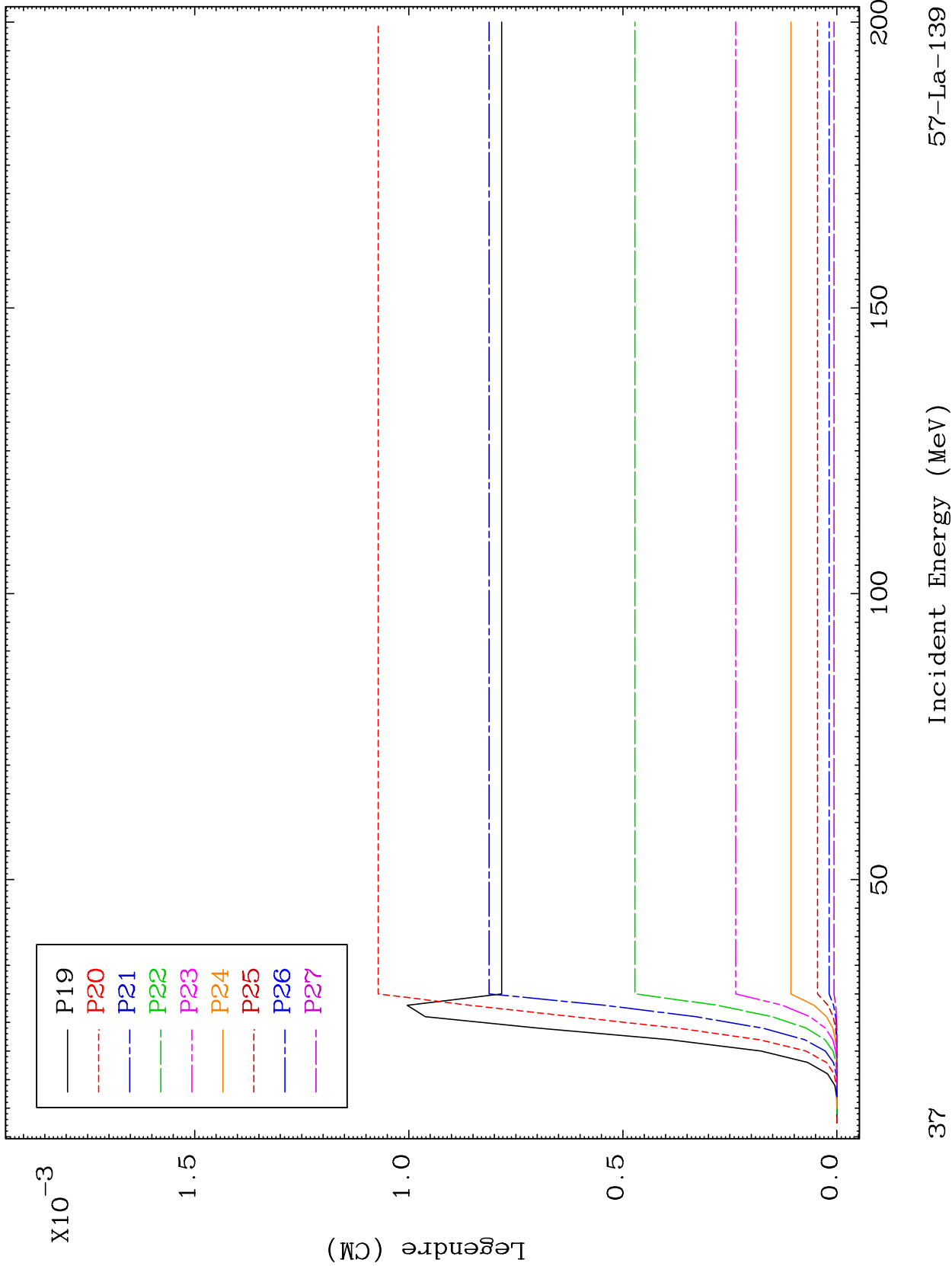
57-La-139



57-La-139

Incident Energy (MeV)

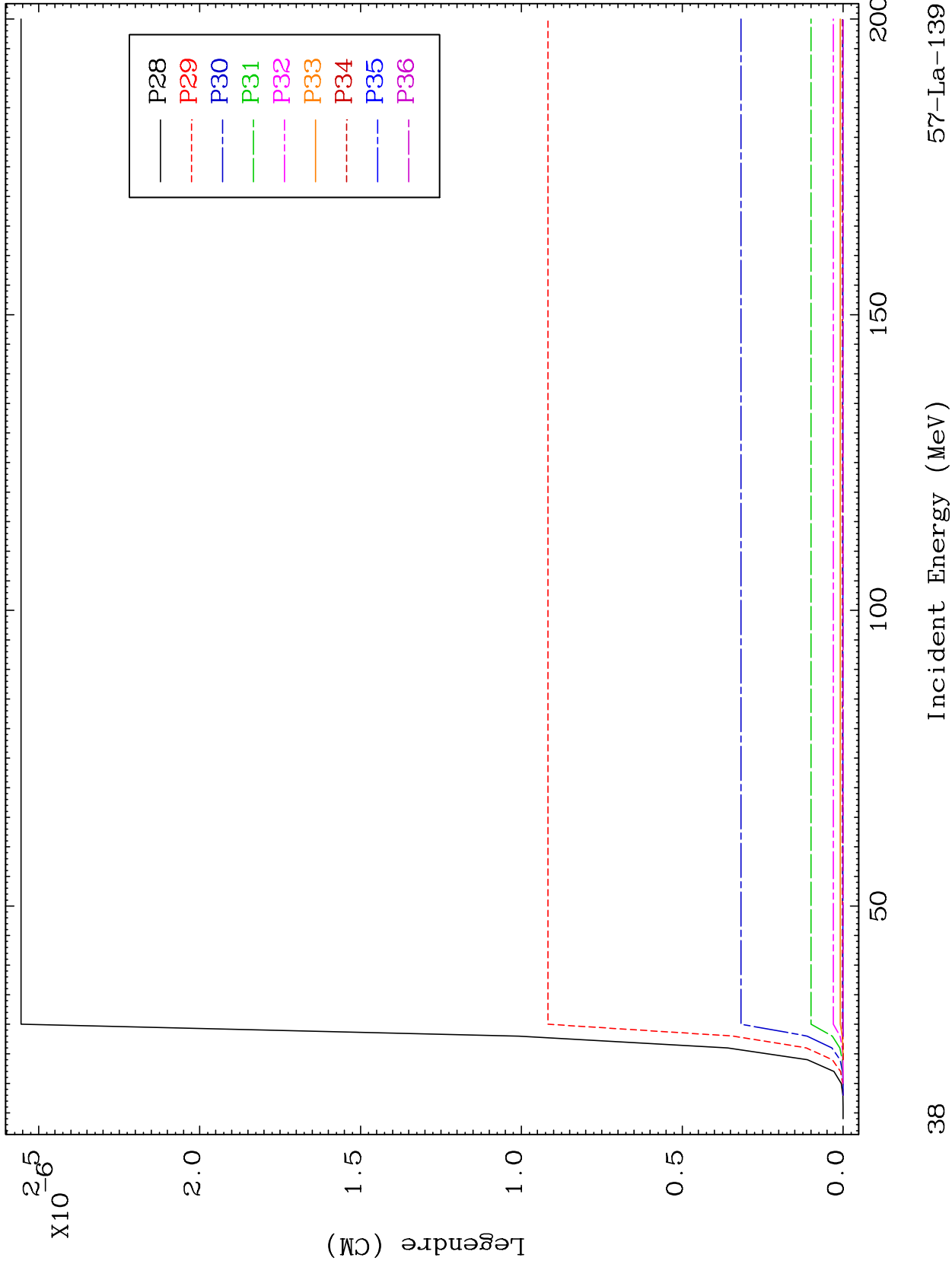
36



MAT 5728

1.381 MeV (n,n') Level
Legendre Coefficients

57-La-139



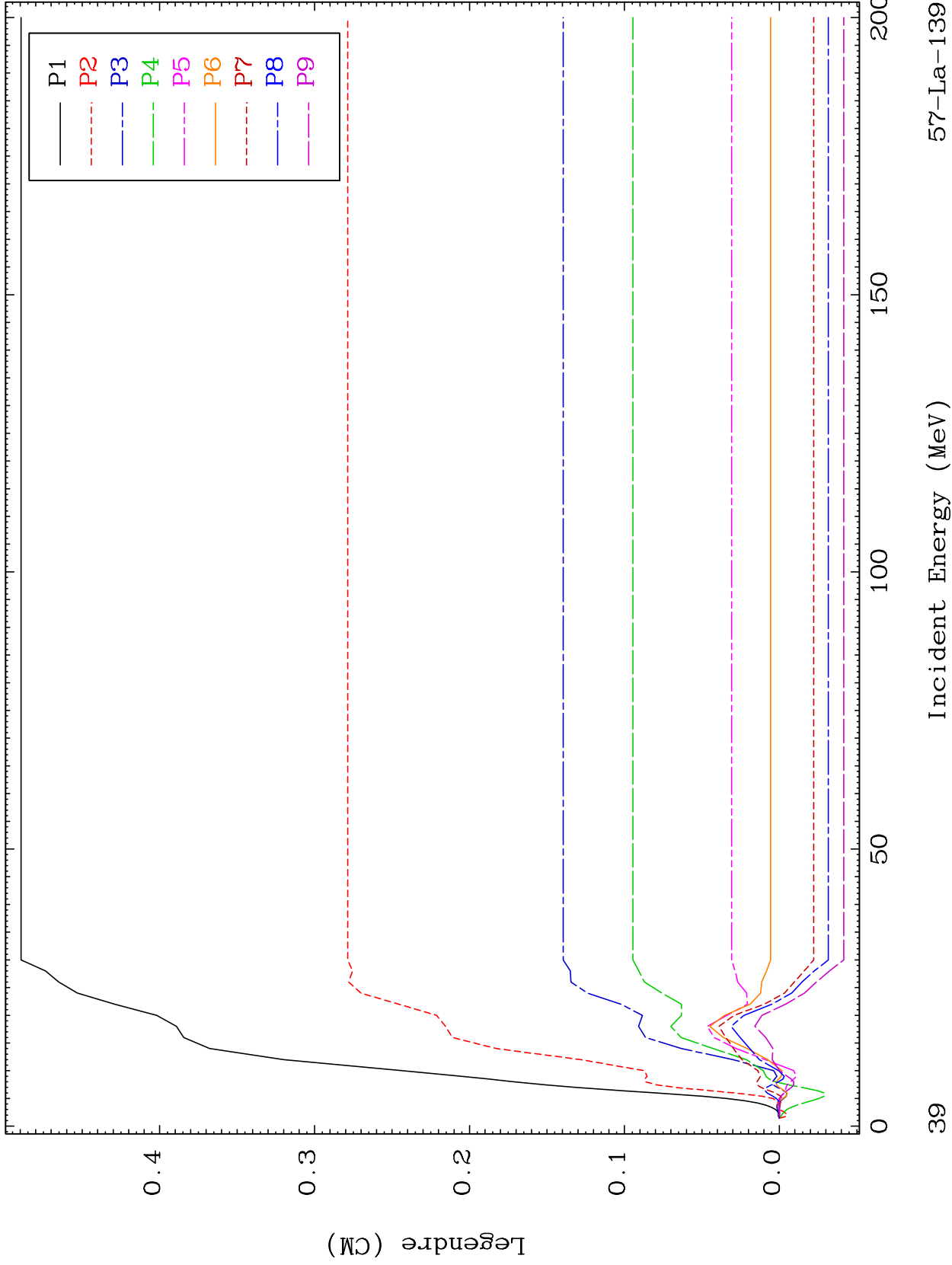
38

57-La-139

MAT 5728

1.420 MeV (n,n') Level
Legendre Coefficients

57-La-139



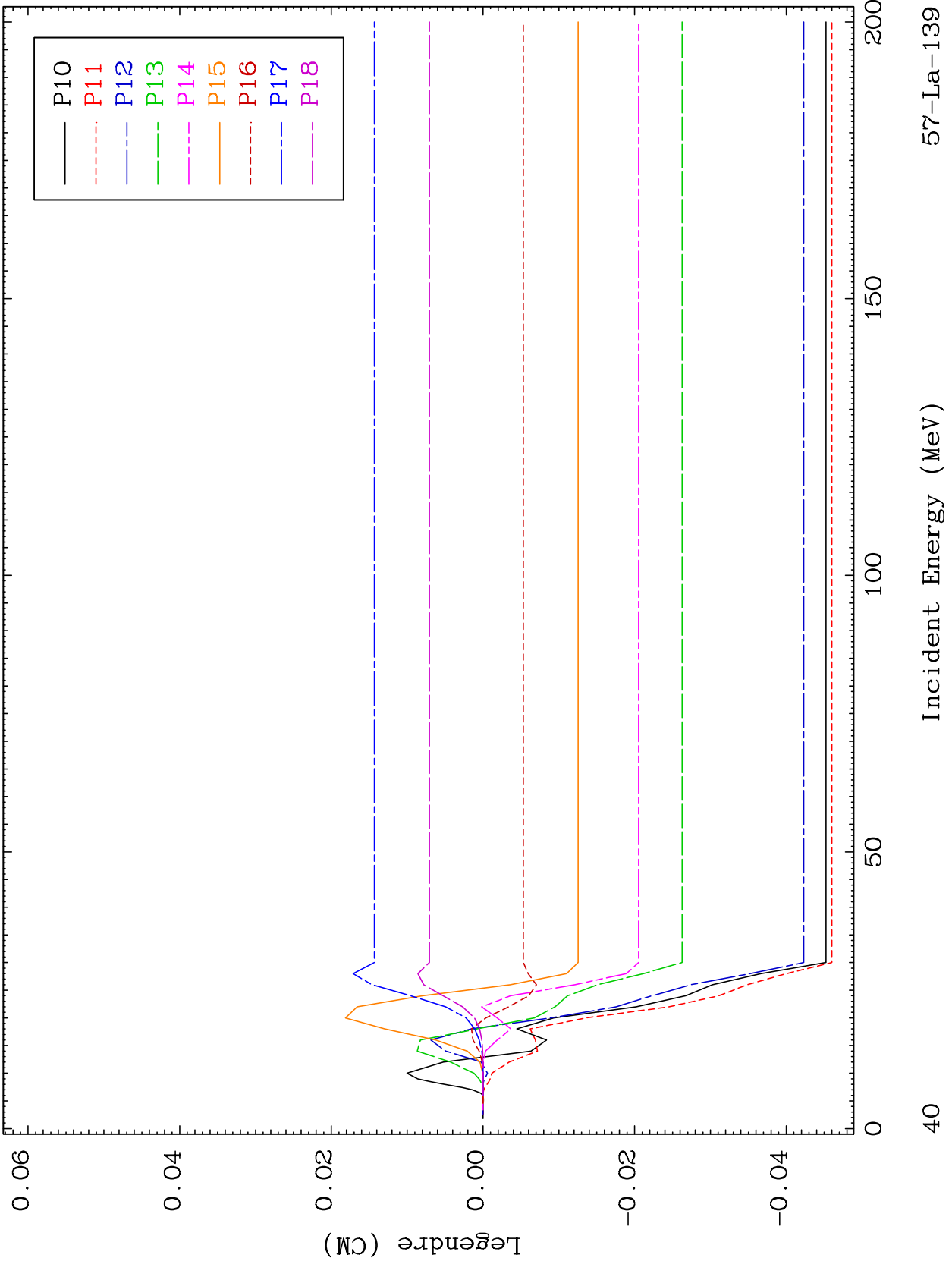
39

57-La-139

MAT 5728

1.420 MeV (n,n') Level
Legendre Coefficients

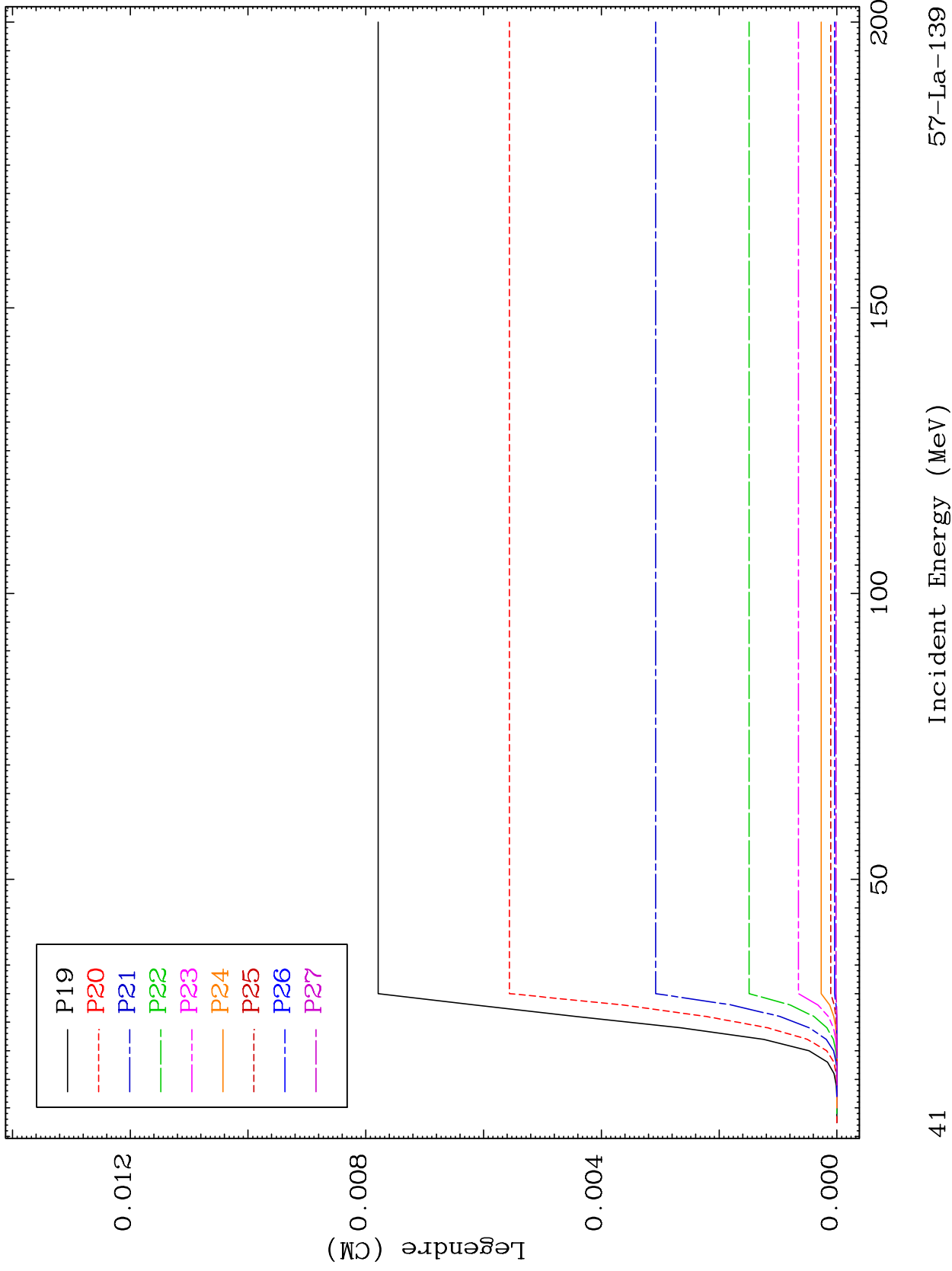
57-La-139



57-La-139

Incident Energy (MeV)

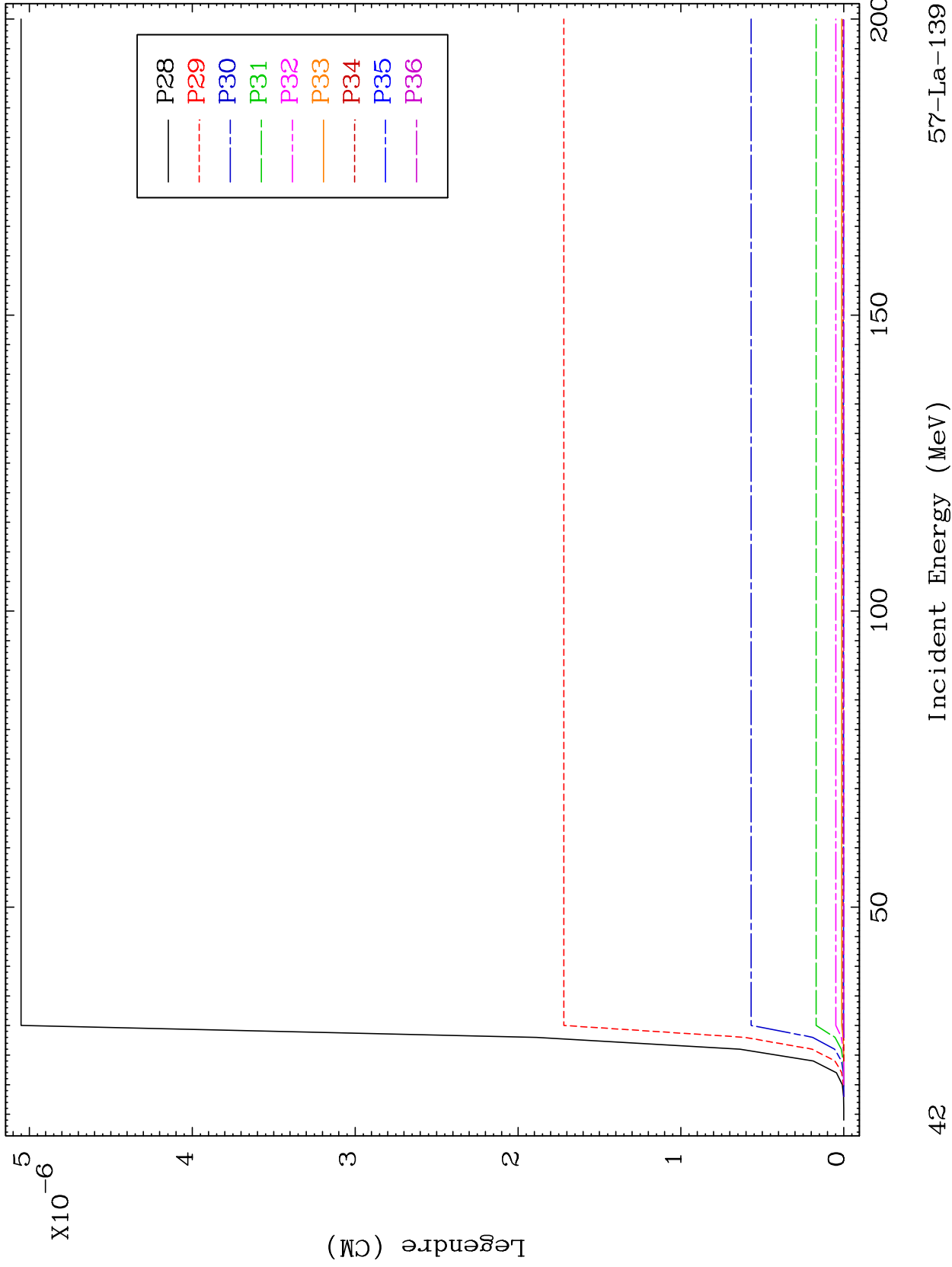
40



MAT 5728

1.420 MeV (n,n') Level
Legendre Coefficients

57-La-139



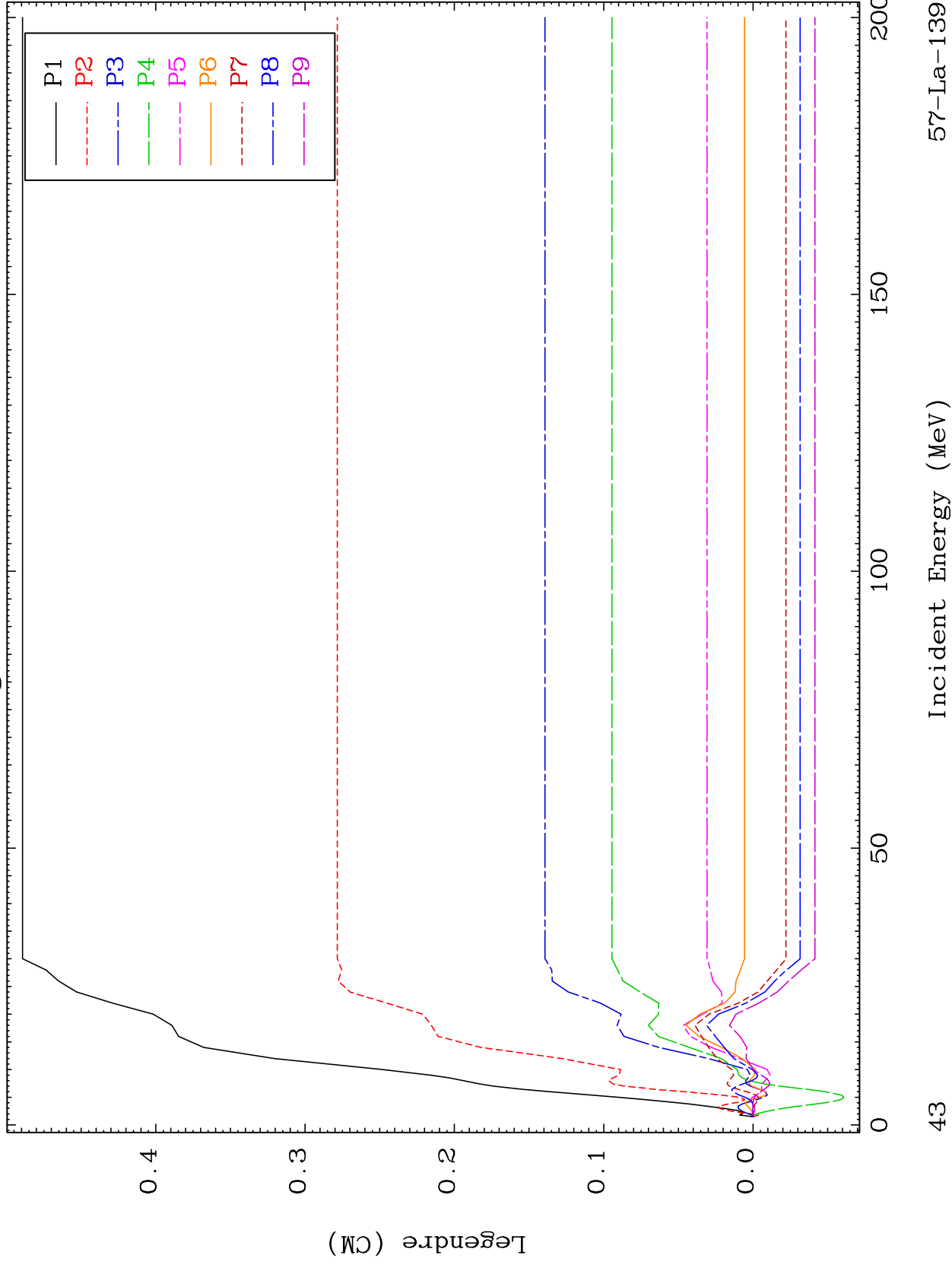
42

57-La-139

MAT 5728

1.448 MeV (n,n') Level
Legendre Coefficients

57-La-139



57-La-139

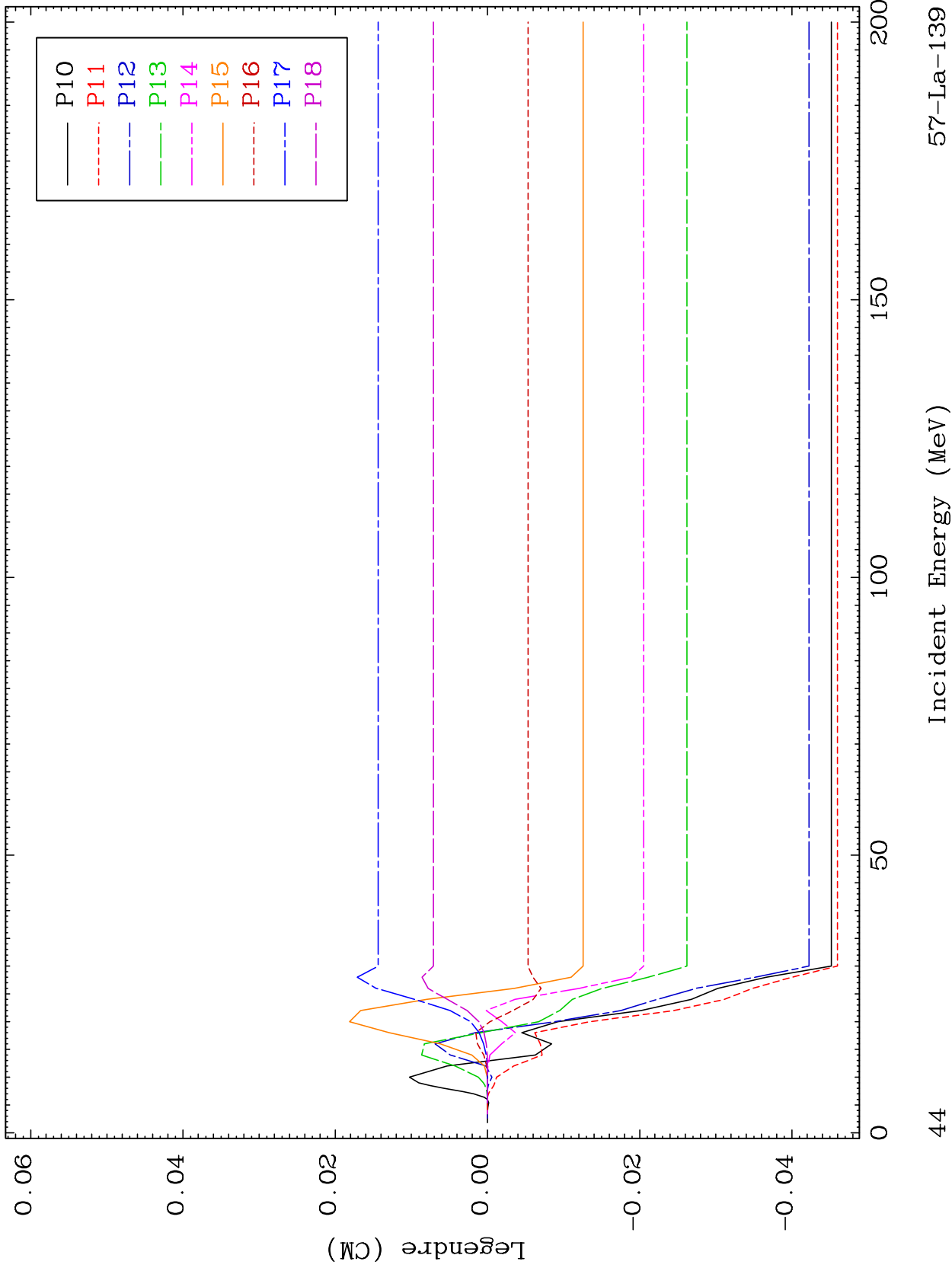
Incident Energy (MeV)

43

MAT 5728

1.448 MeV (n,n') Level
Legendre Coefficients

57-La-139



57-La-139

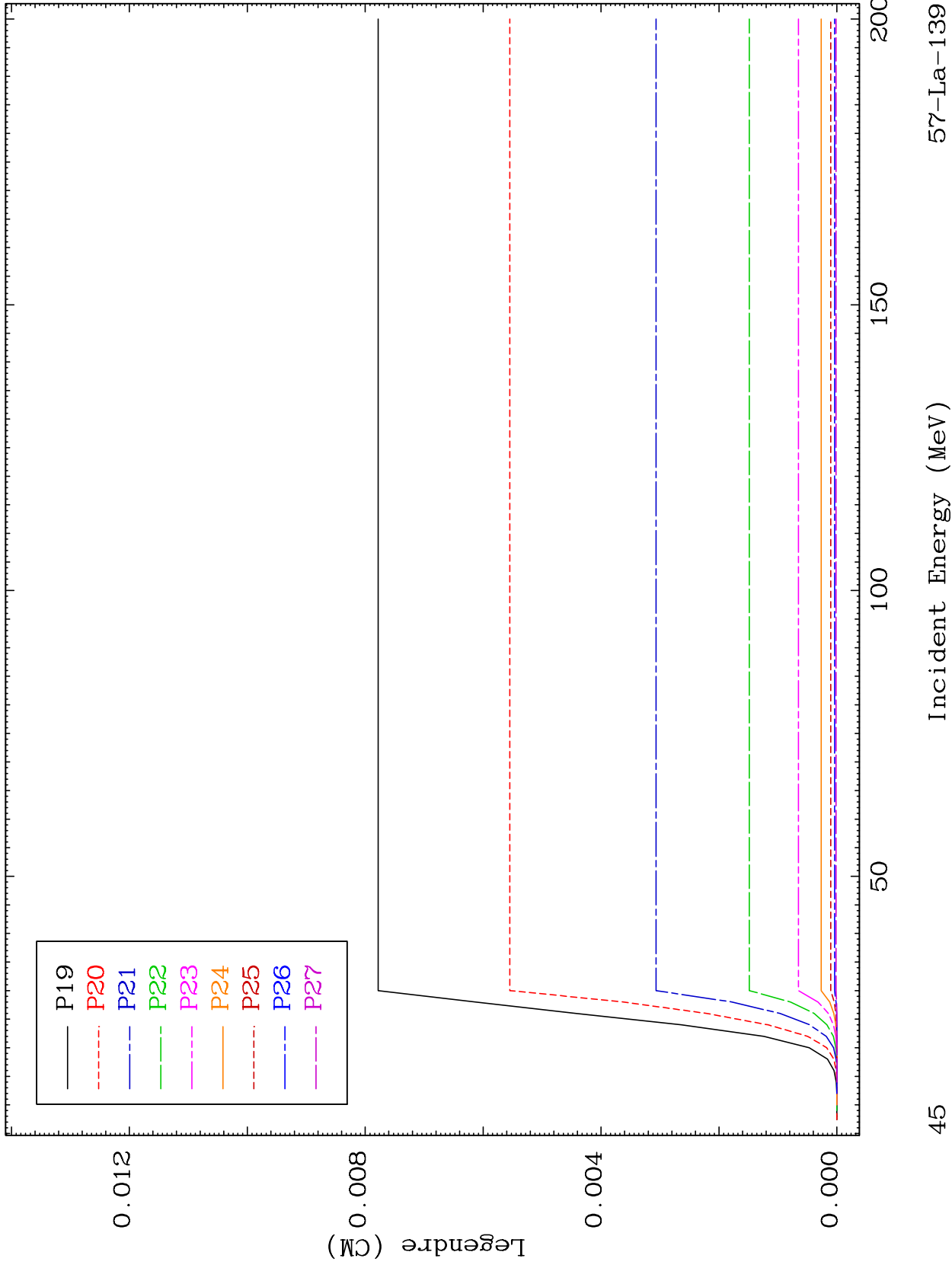
Incident Energy (MeV)

44

MAT 5728

1.448 MeV (n,n') Level
Legendre Coefficients

57-La-139



45

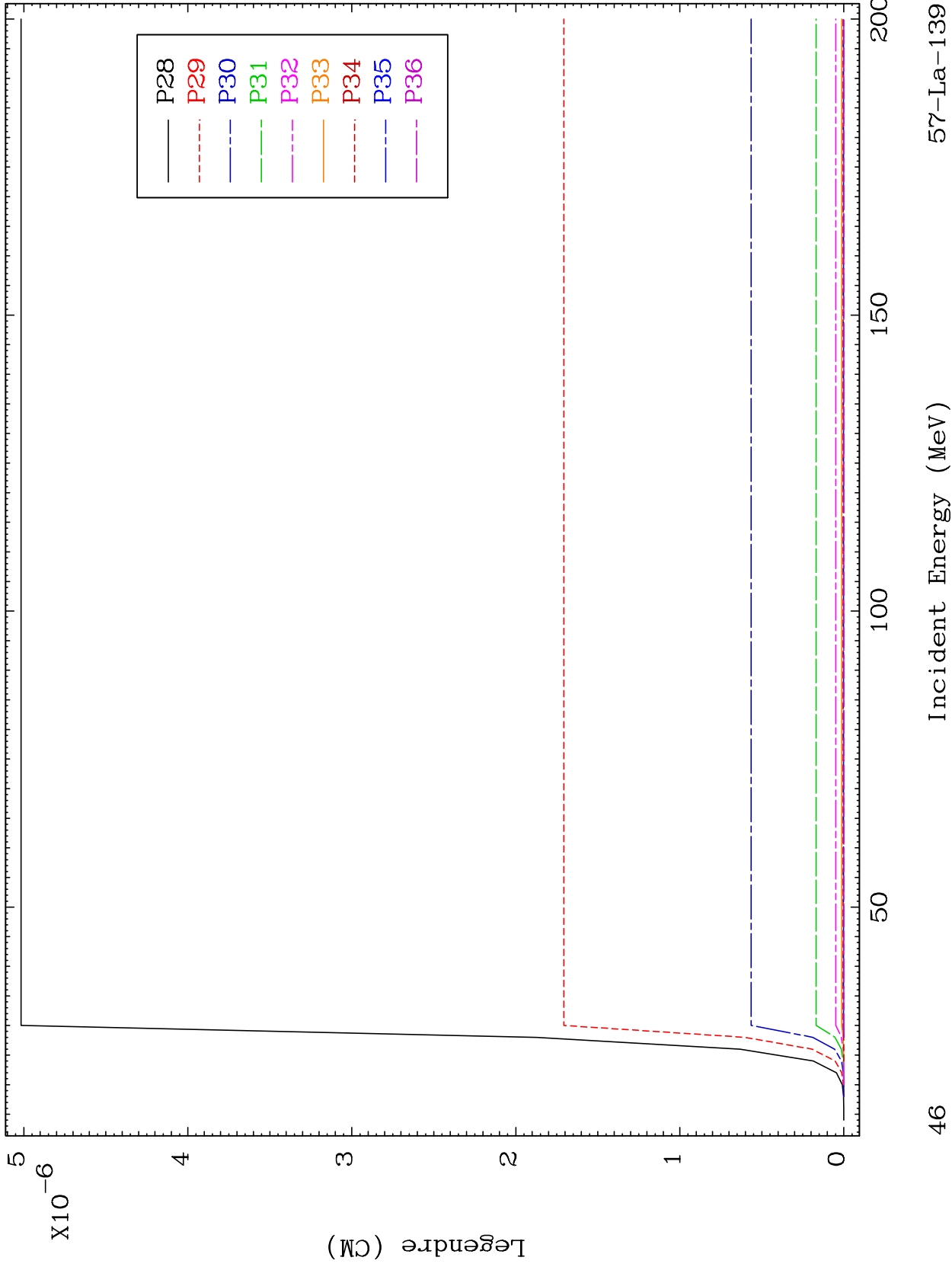
Incident Energy (MeV)

57-La-139

MAT 5728

1.448 MeV (n, n') Level
Legendre Coefficients

57-La-139



46

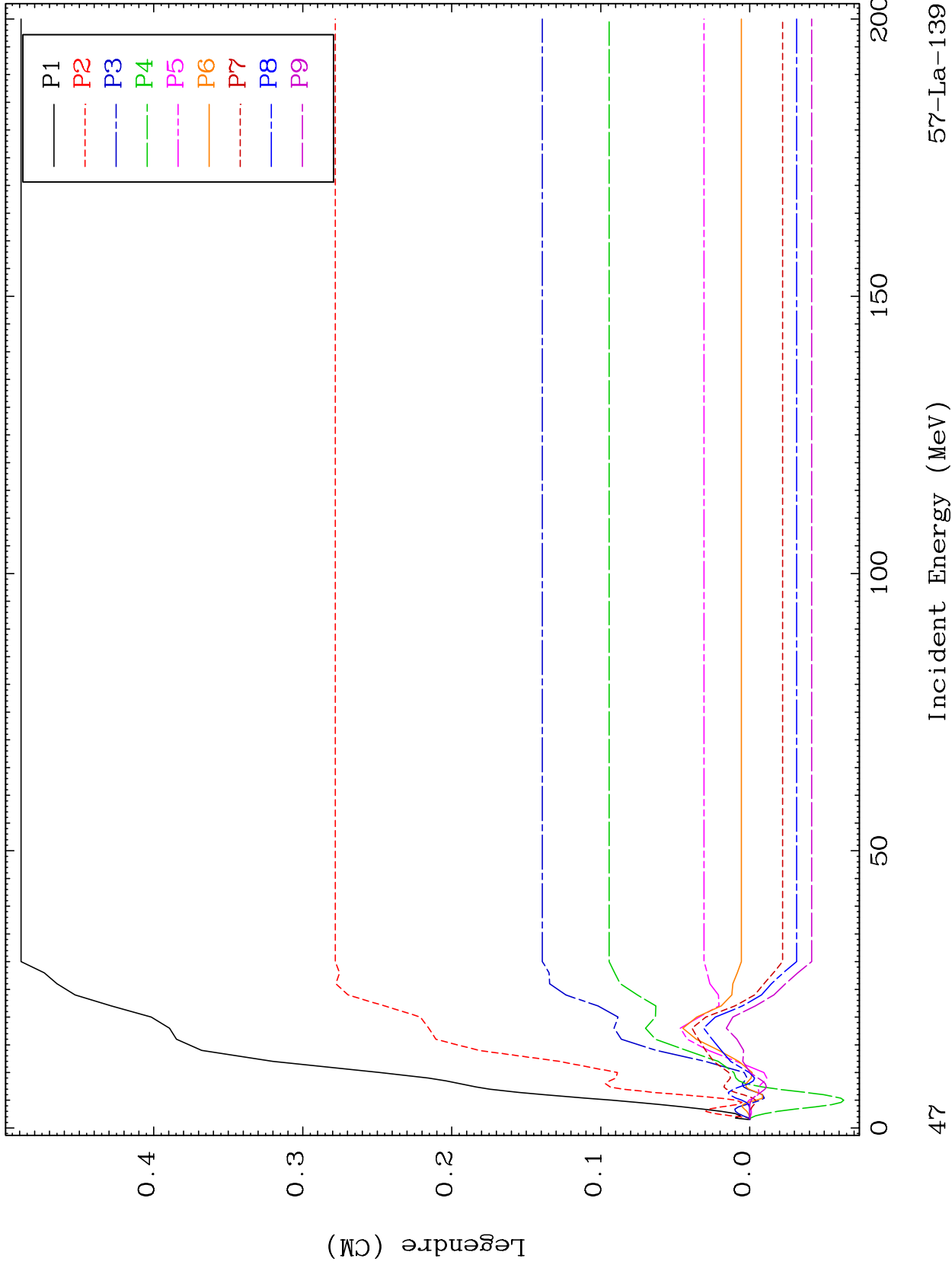
Incident Energy (MeV)

57-La-139

MAT 5728

1.476 MeV (n,n') Level
Legendre Coefficients

57-La-139



57-La-139

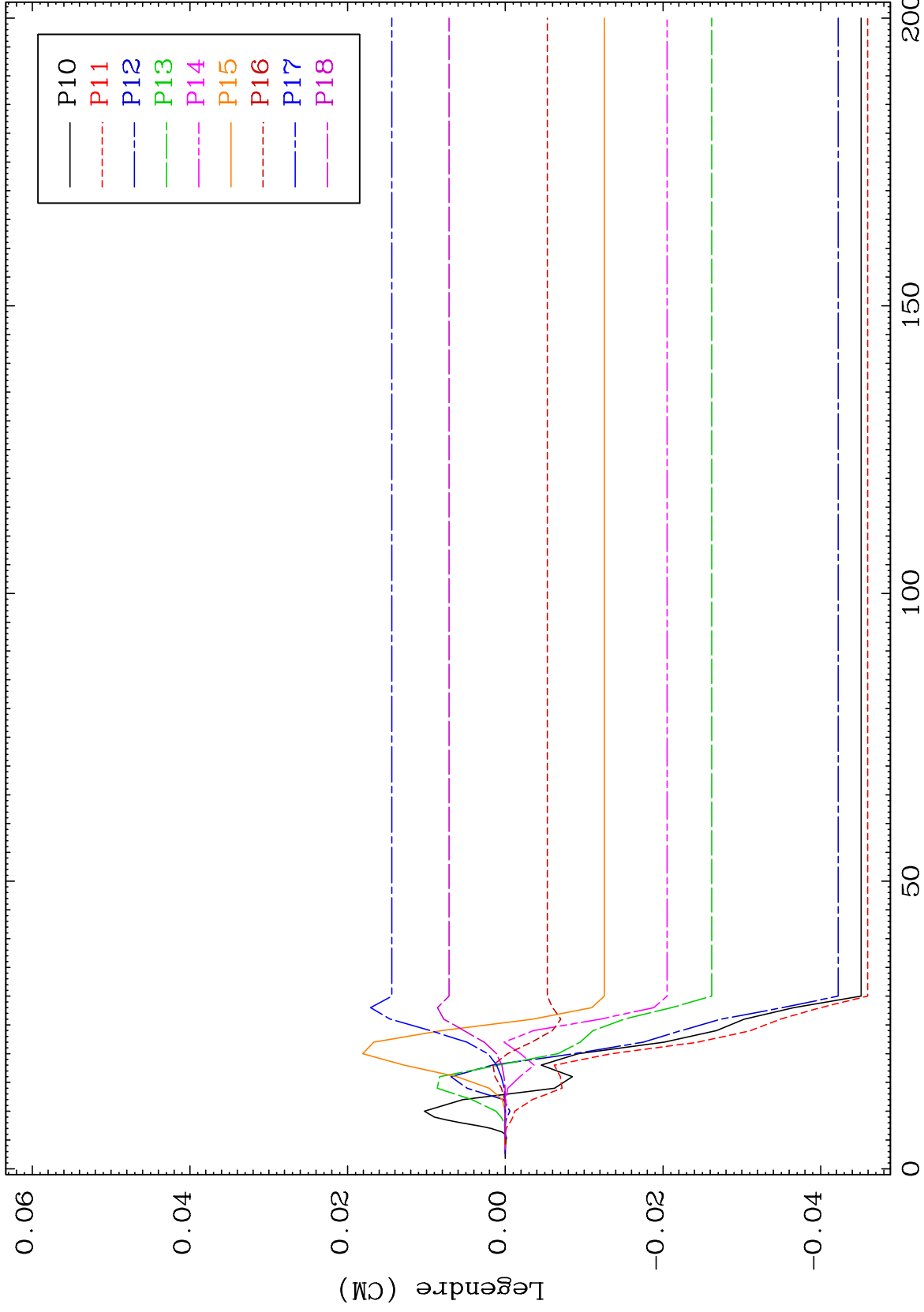
Incident Energy (MeV)

47

MAT 5728

1.476 MeV (n,n') Level
Legendre Coefficients

57-La-139



48

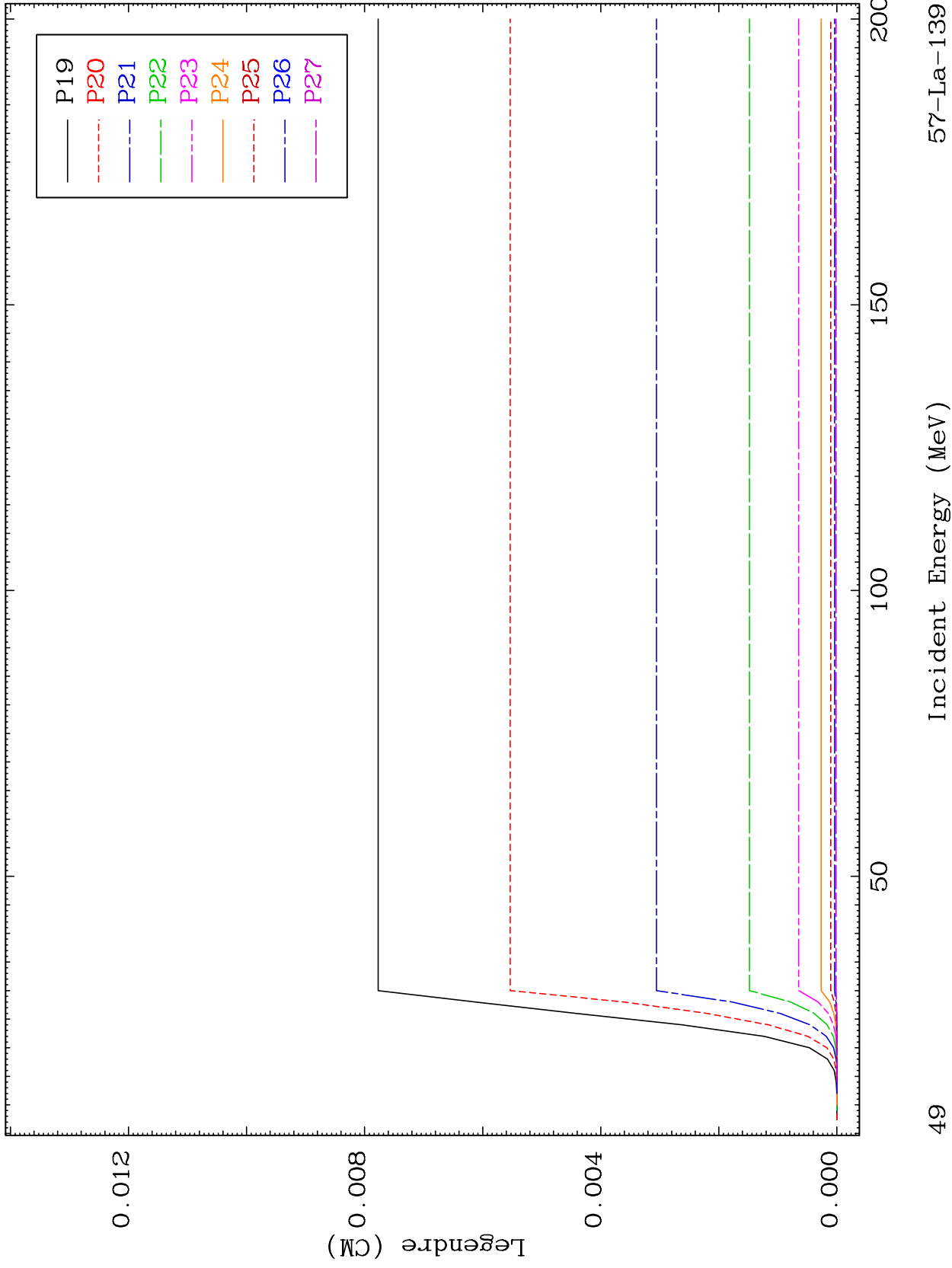
Incident Energy (MeV)

57-La-139

MAT 5728

1.476 MeV (n,n') Level
Legendre Coefficients

57-La-139



49

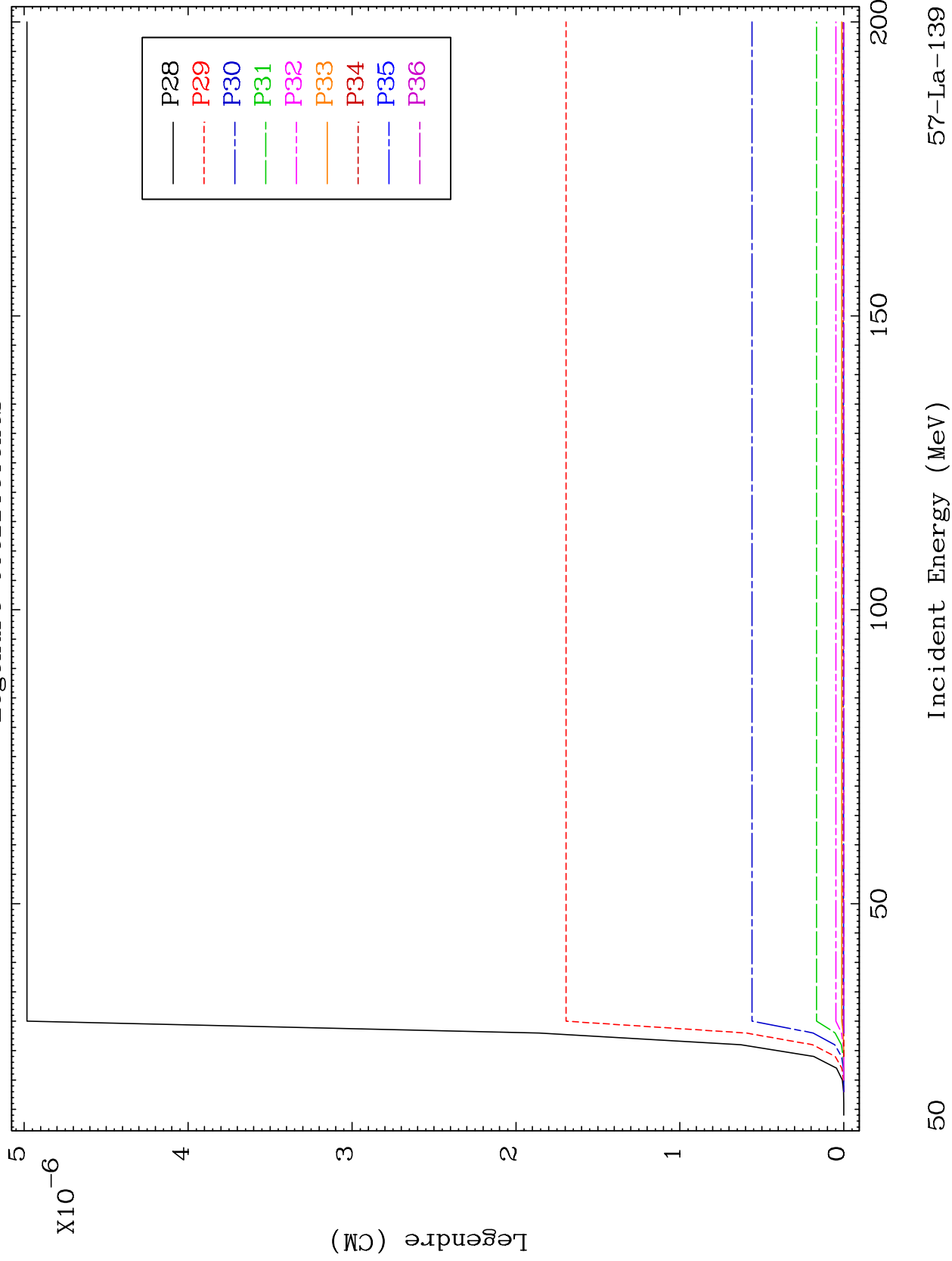
Incident Energy (MeV)

57-La-139

MAT 5728

1.476 MeV (n, n') Level
Legendre Coefficients

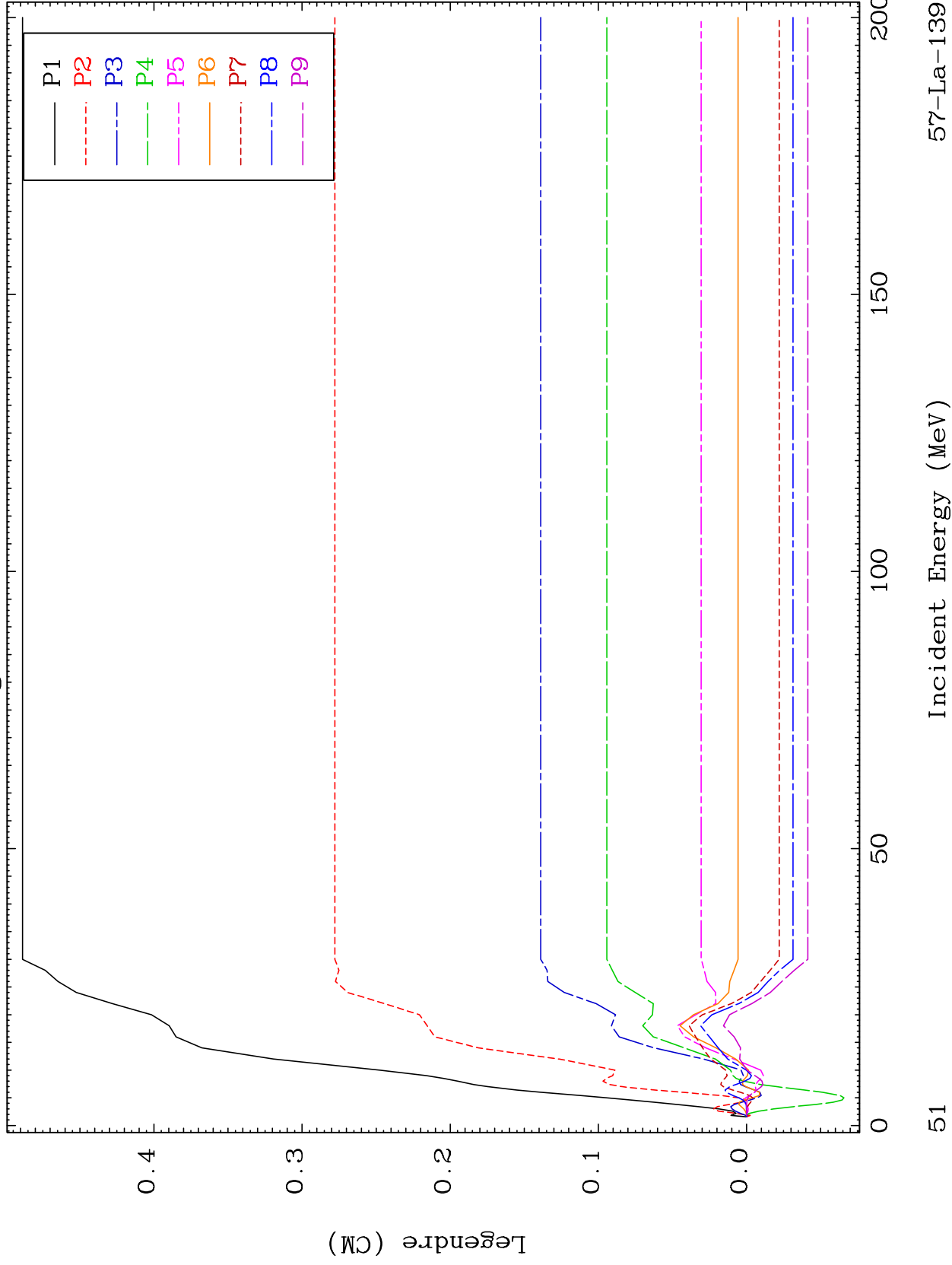
57-La-139



MAT 5728

1.538 MeV (n,n') Level
Legendre Coefficients

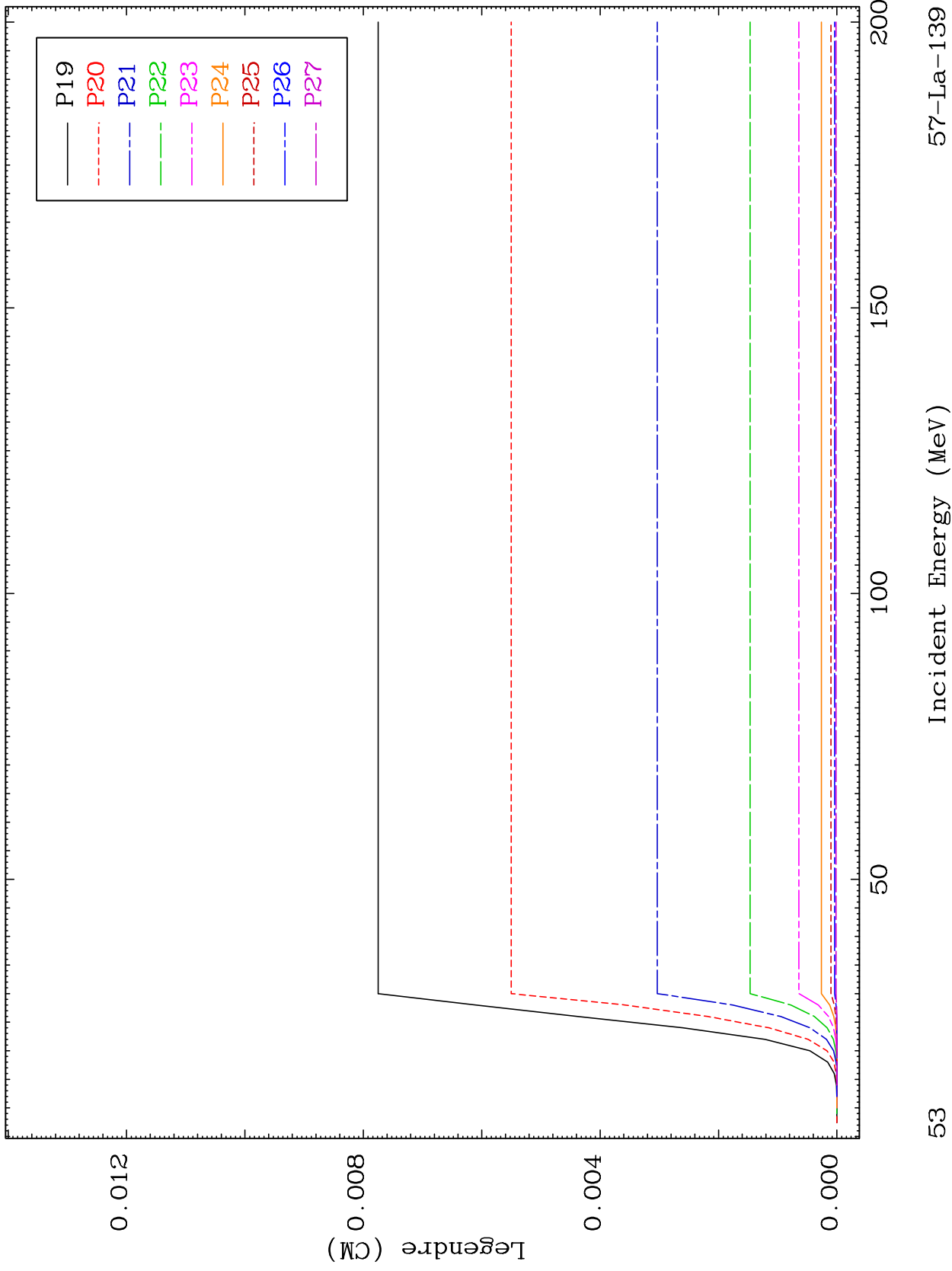
57-La-139

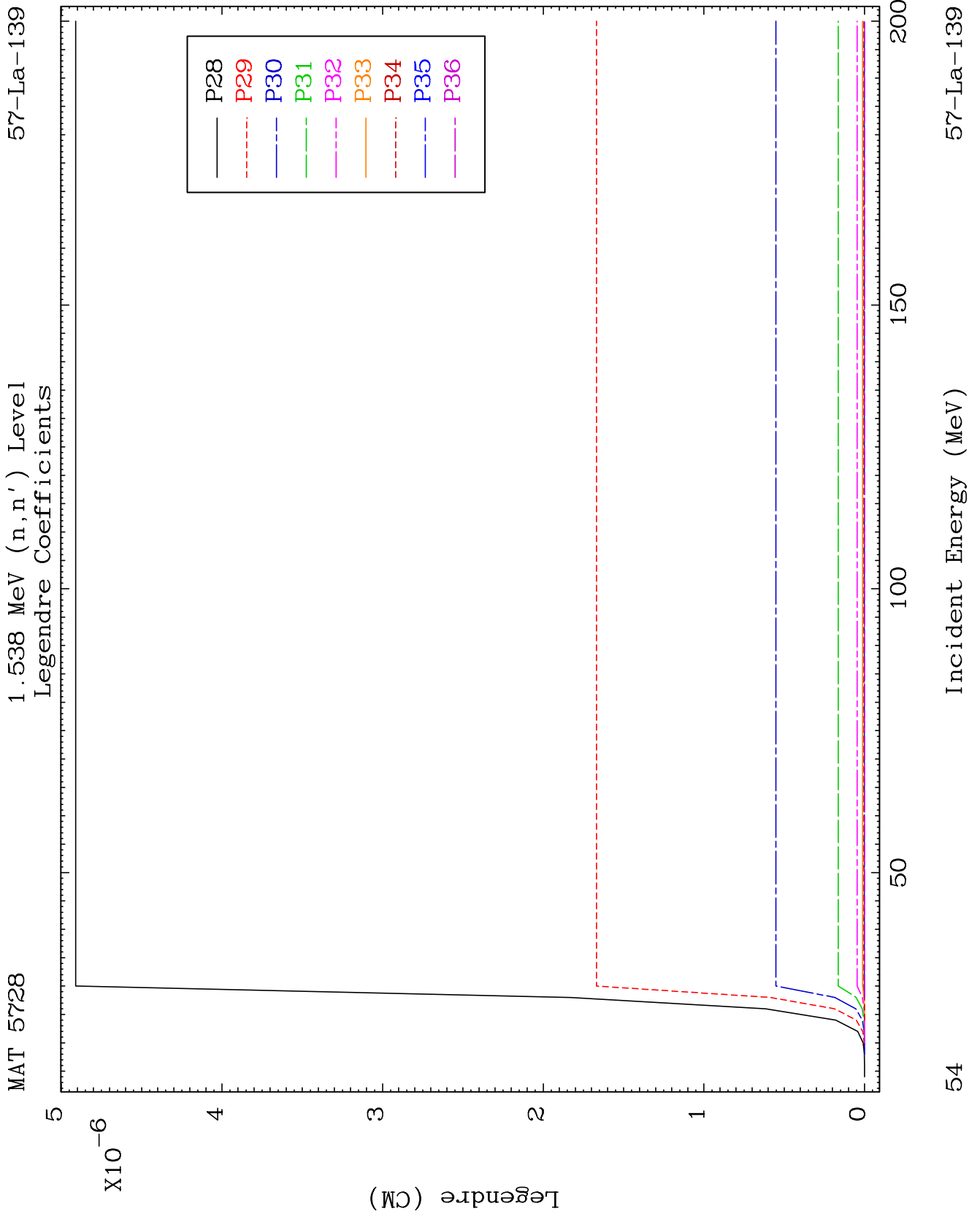


57-La-139

Incident Energy (MeV)

51

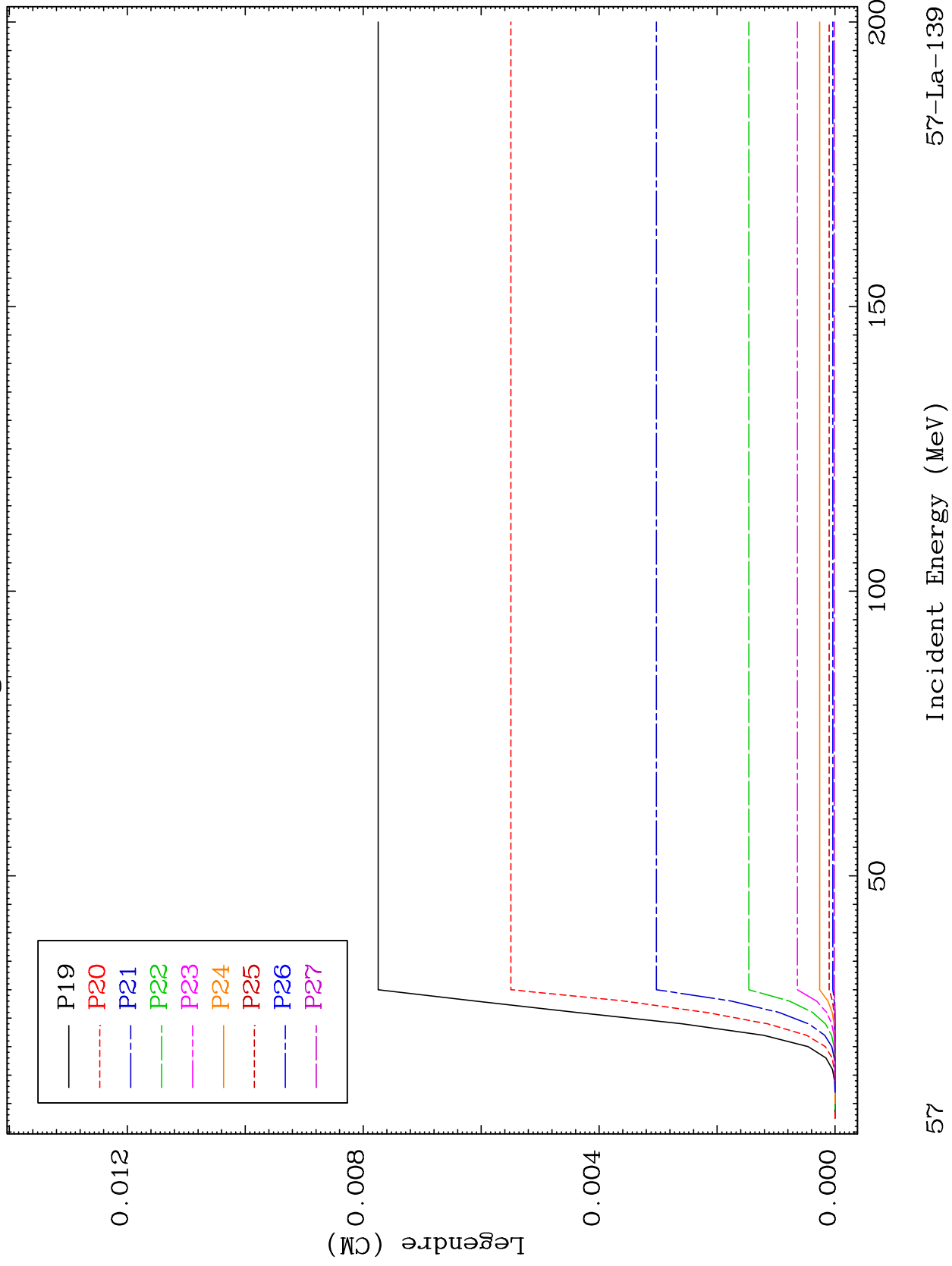




MAT 5728

1.548 MeV (n, n') Level
Legendre Coefficients

57-La-139



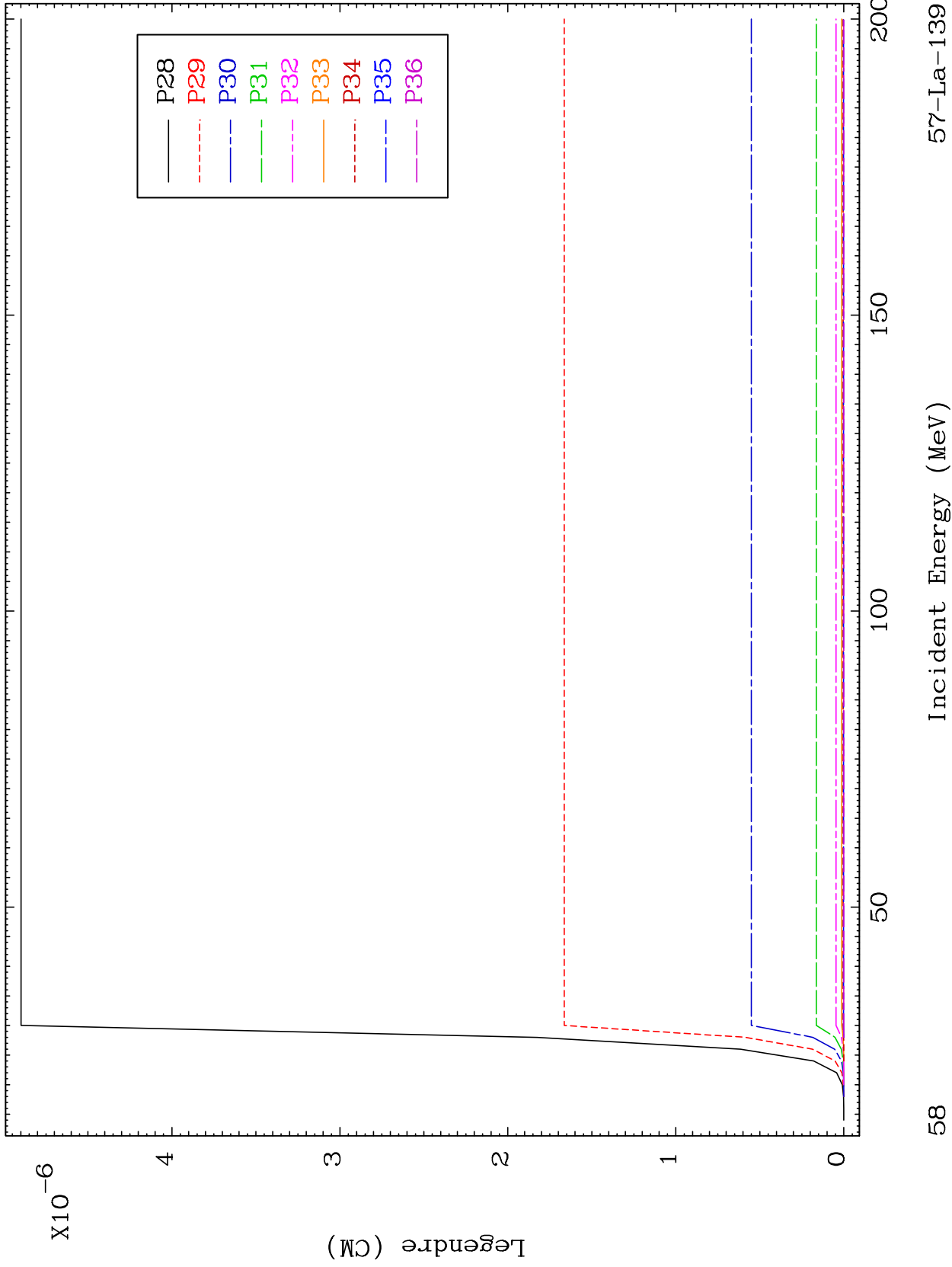
57

57-La-139

MAT 5728

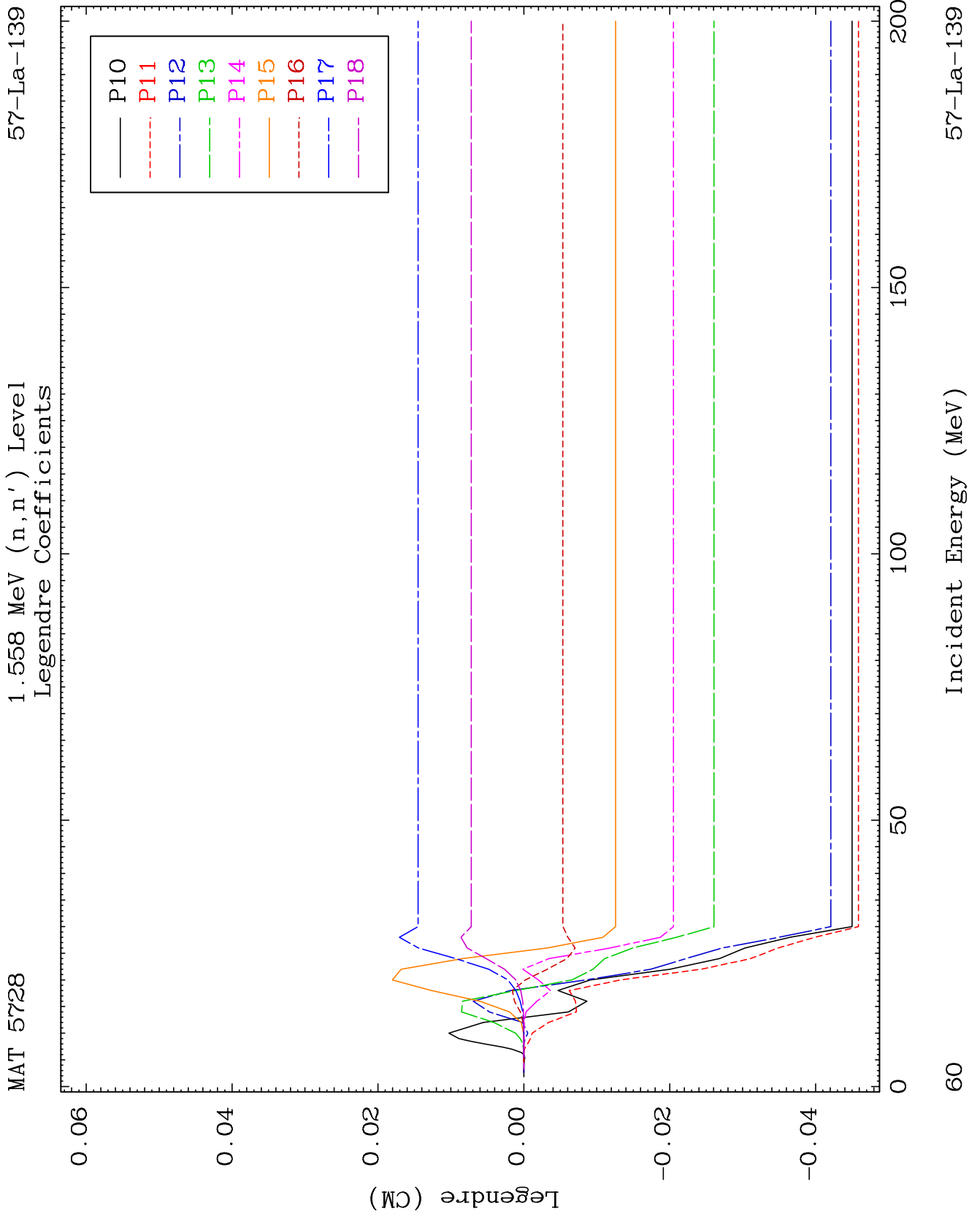
1.548 MeV (n,n') Level
Legendre Coefficients

57-La-139



58

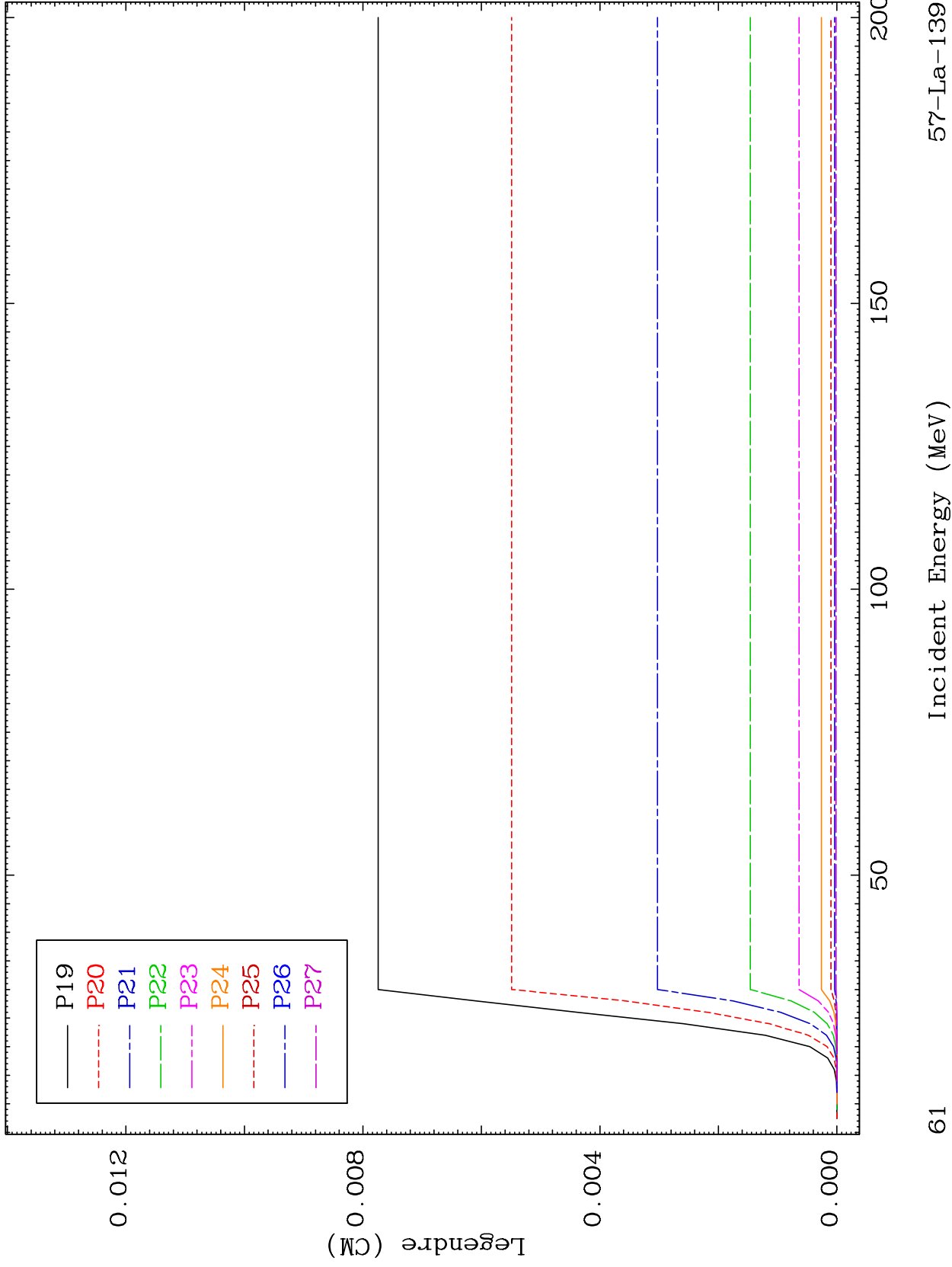
57-La-139



MAT 5728

1.558 MeV (n, n') Level
Legendre Coefficients

57-La-139



61

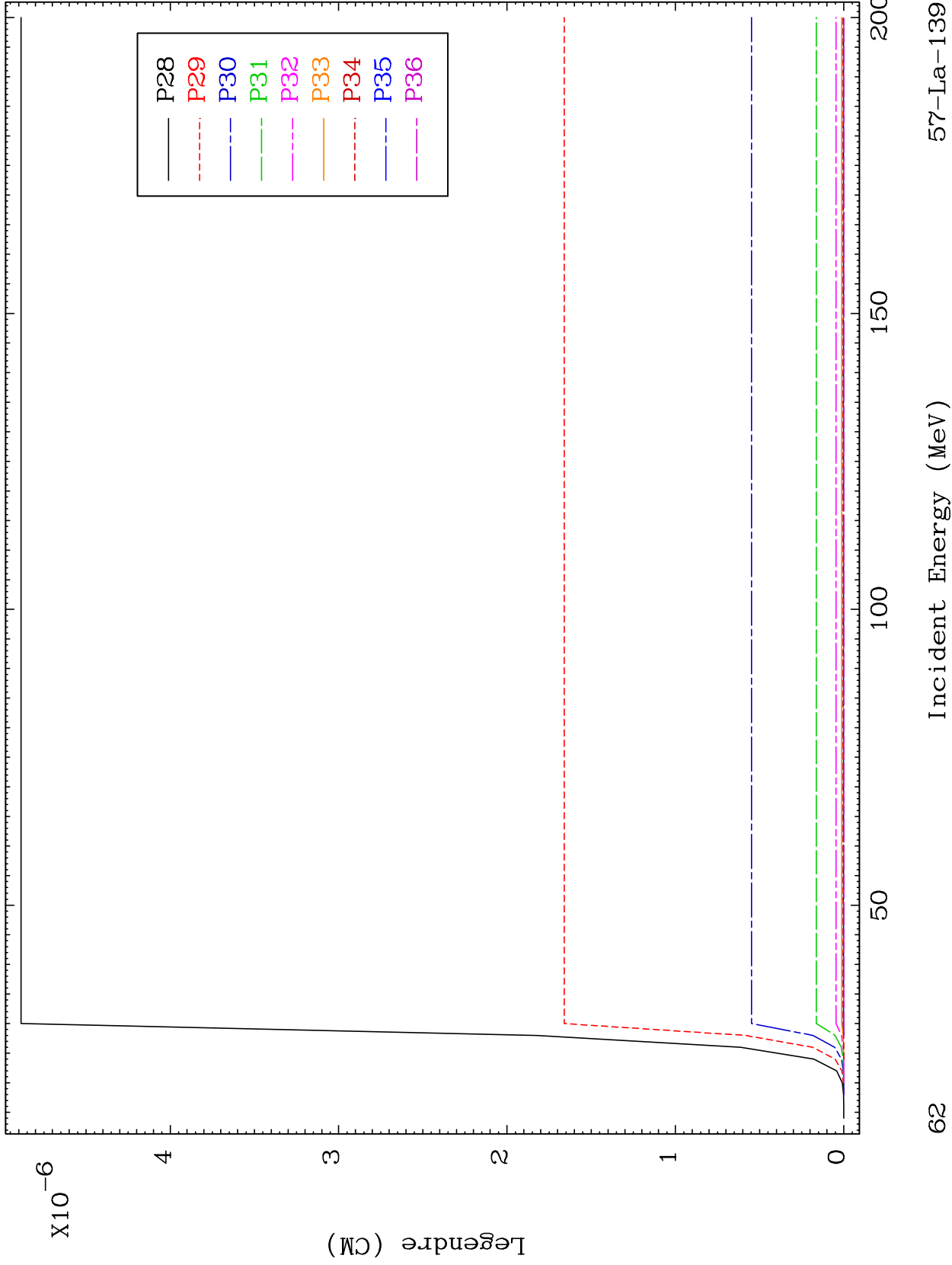
Incident Energy (MeV)

57-La-139

MAT 5728

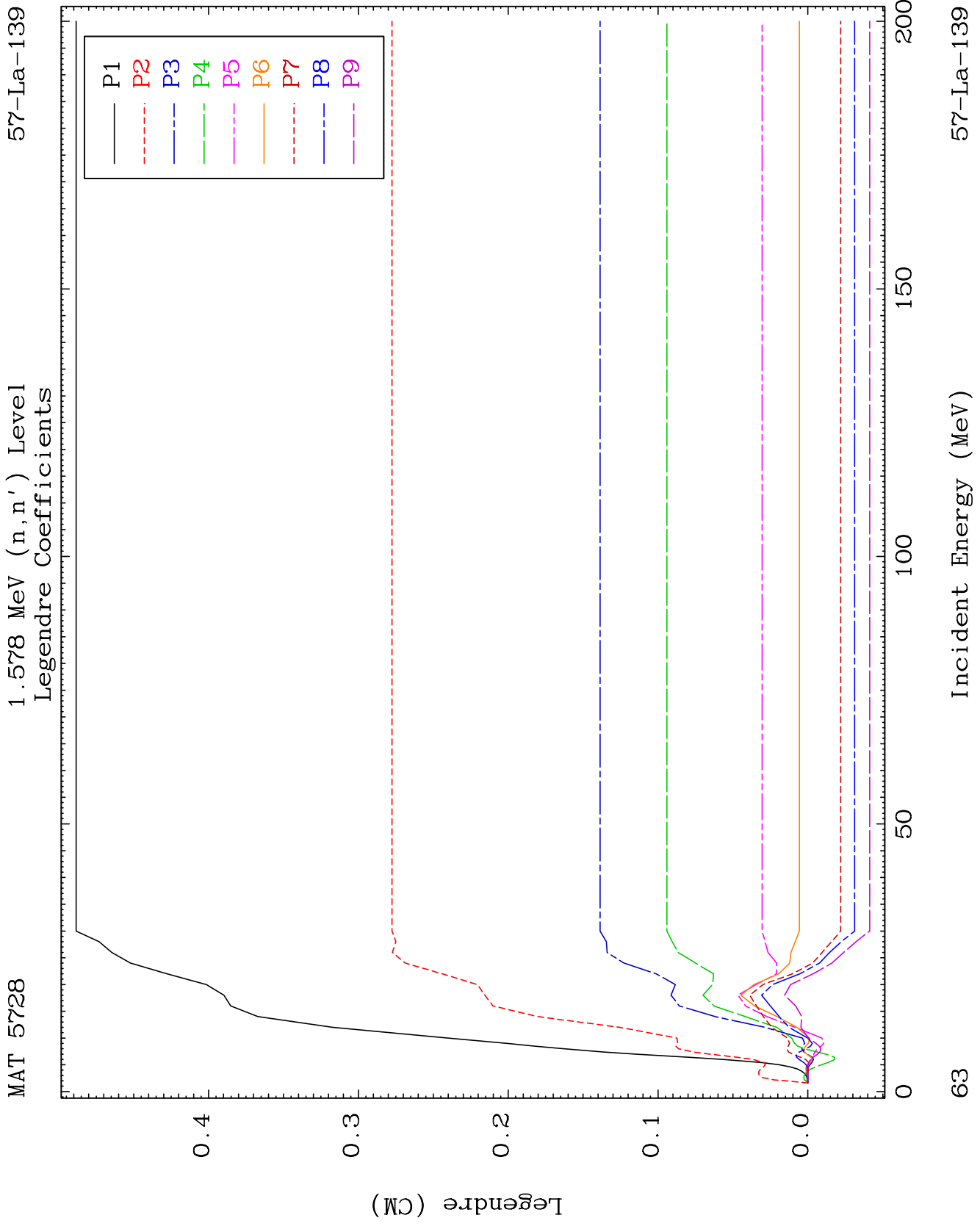
1.558 MeV (n,n') Level
Legendre Coefficients

57-La-139



62

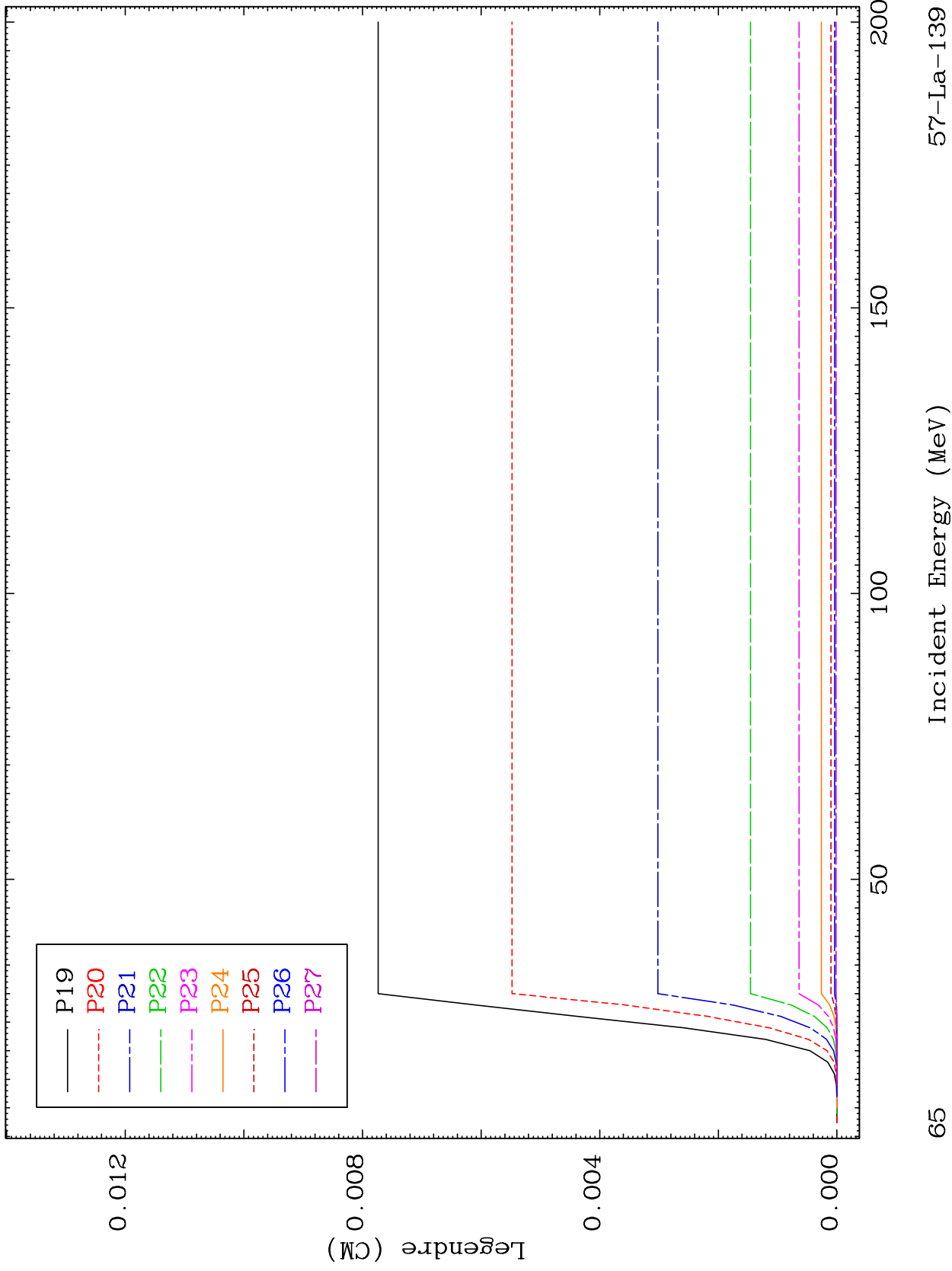
57-La-139



MAT 5728

1.578 MeV (n, n') Level
Legendre Coefficients

57-La-139



65

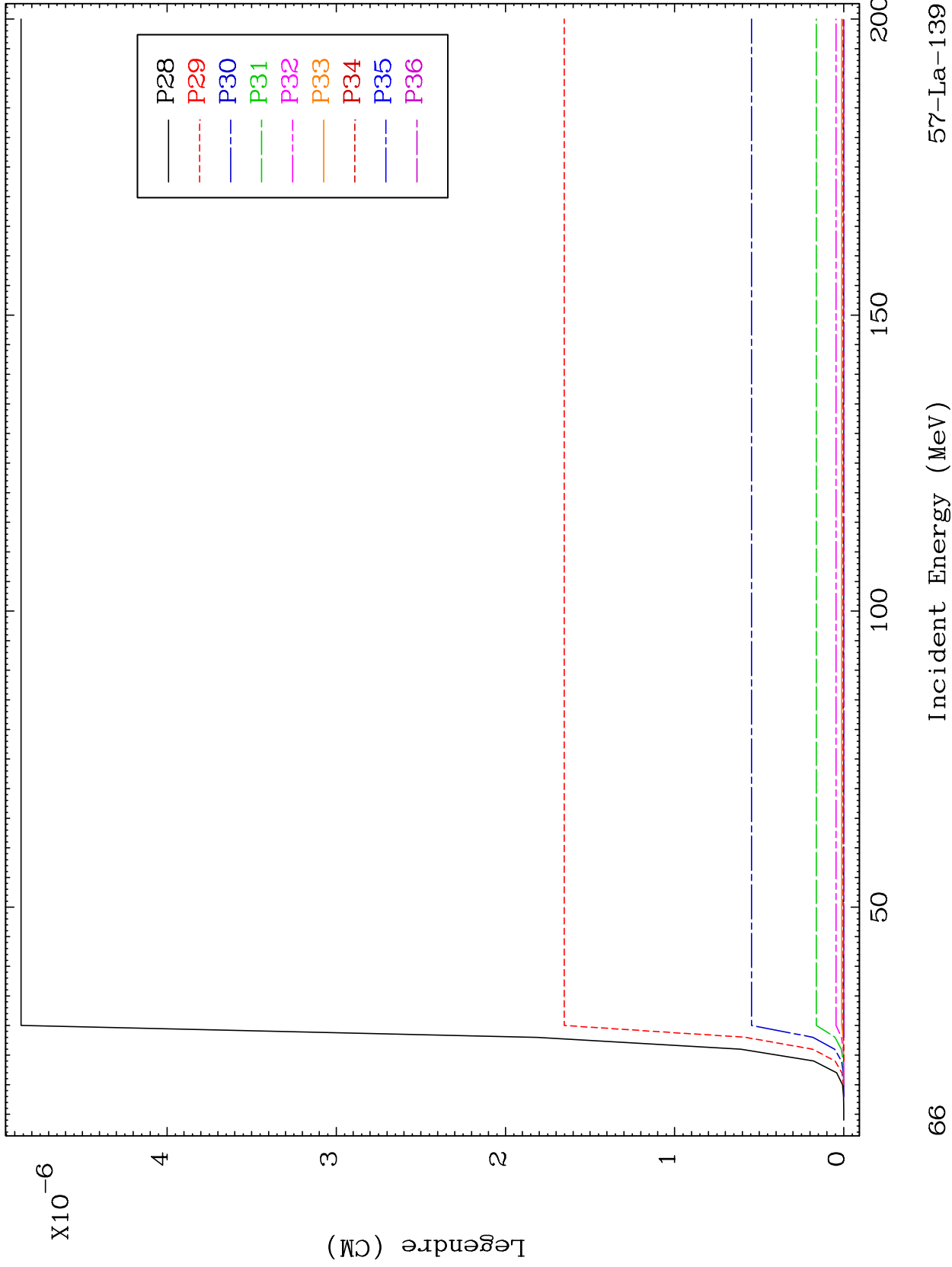
Incident Energy (MeV)

57-La-139

MAT 5728

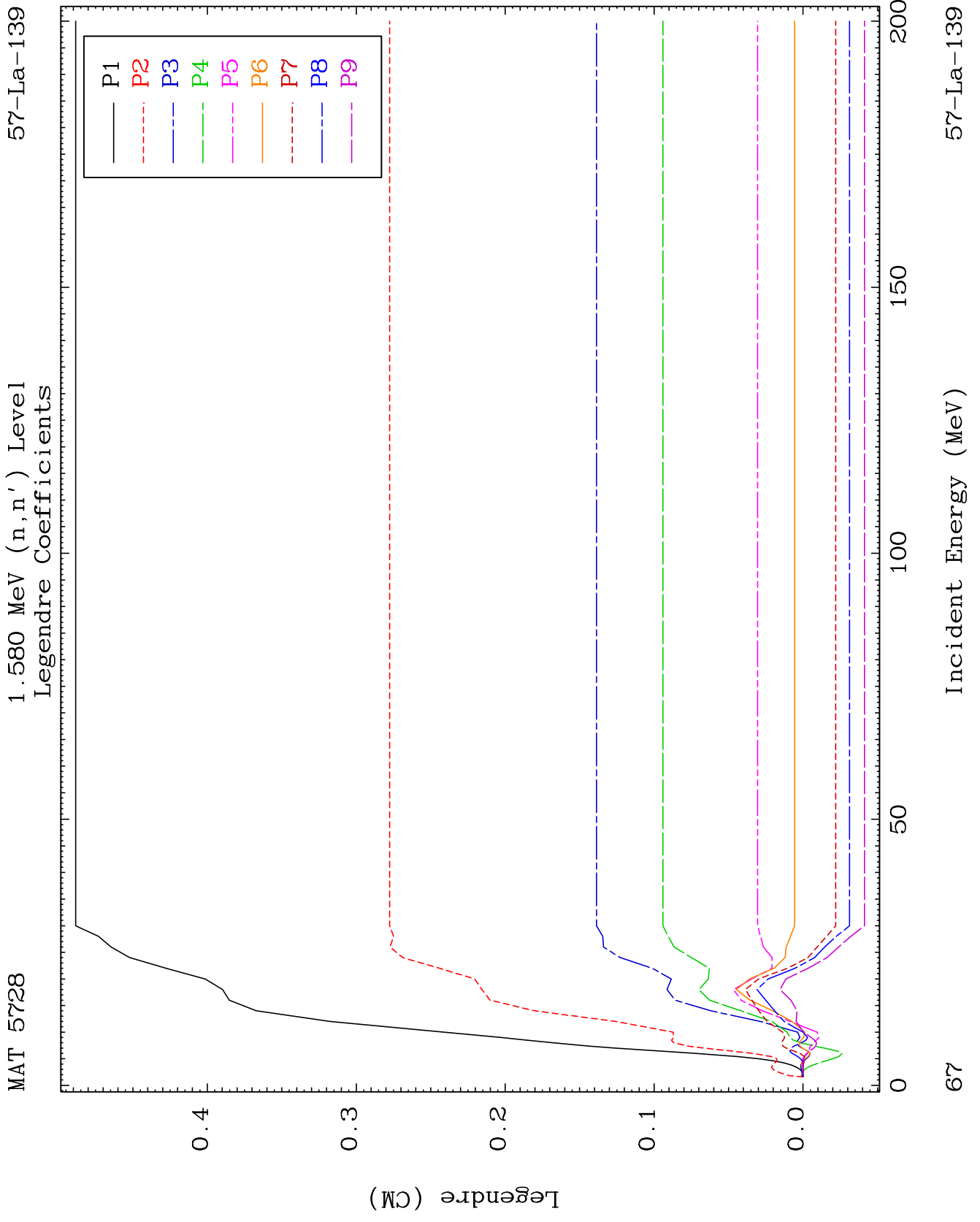
1.578 MeV (n,n') Level
Legendre Coefficients

57-La-139



66

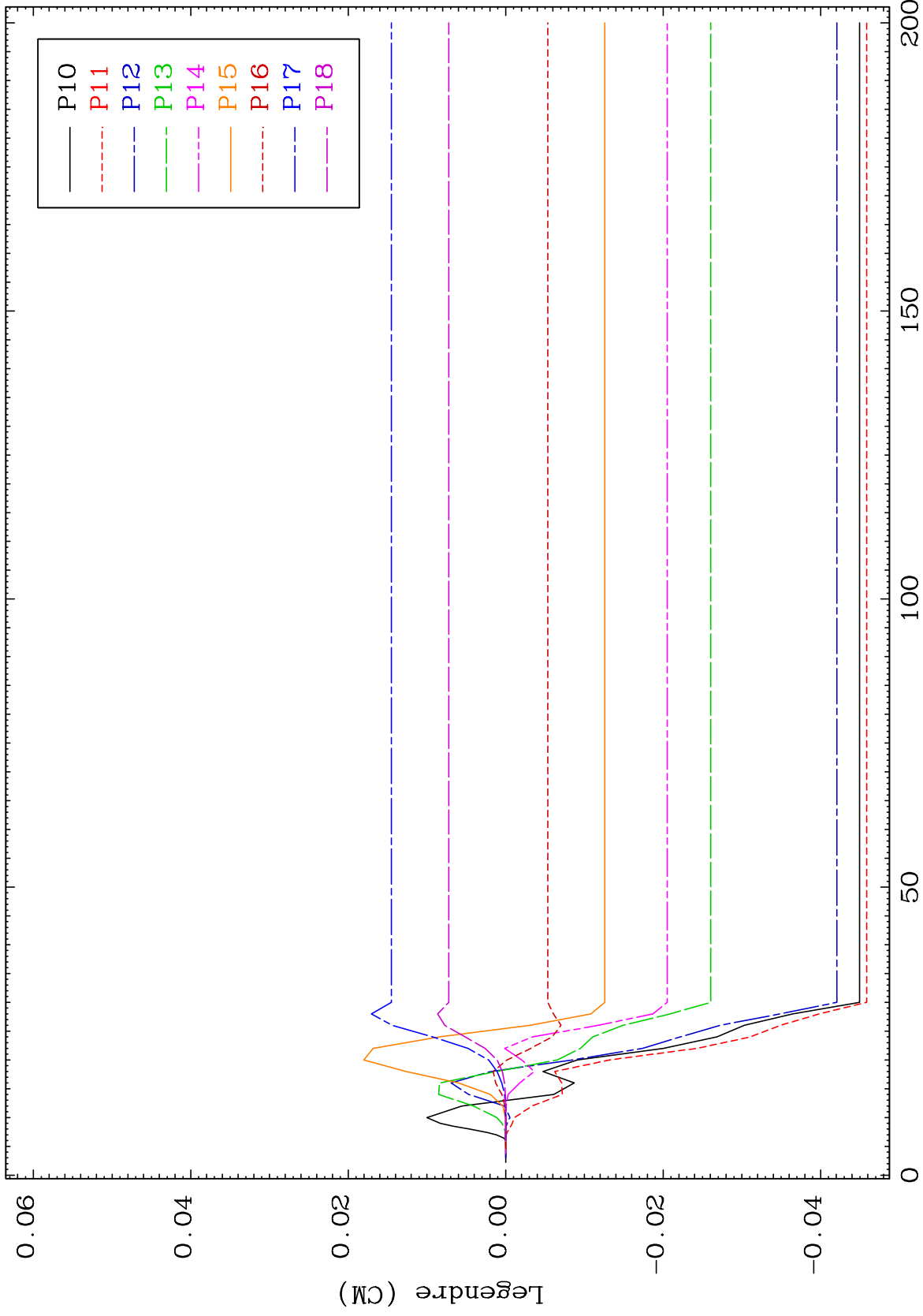
57-La-139



MAT 5728

1.580 MeV (n,n') Level
Legendre Coefficients

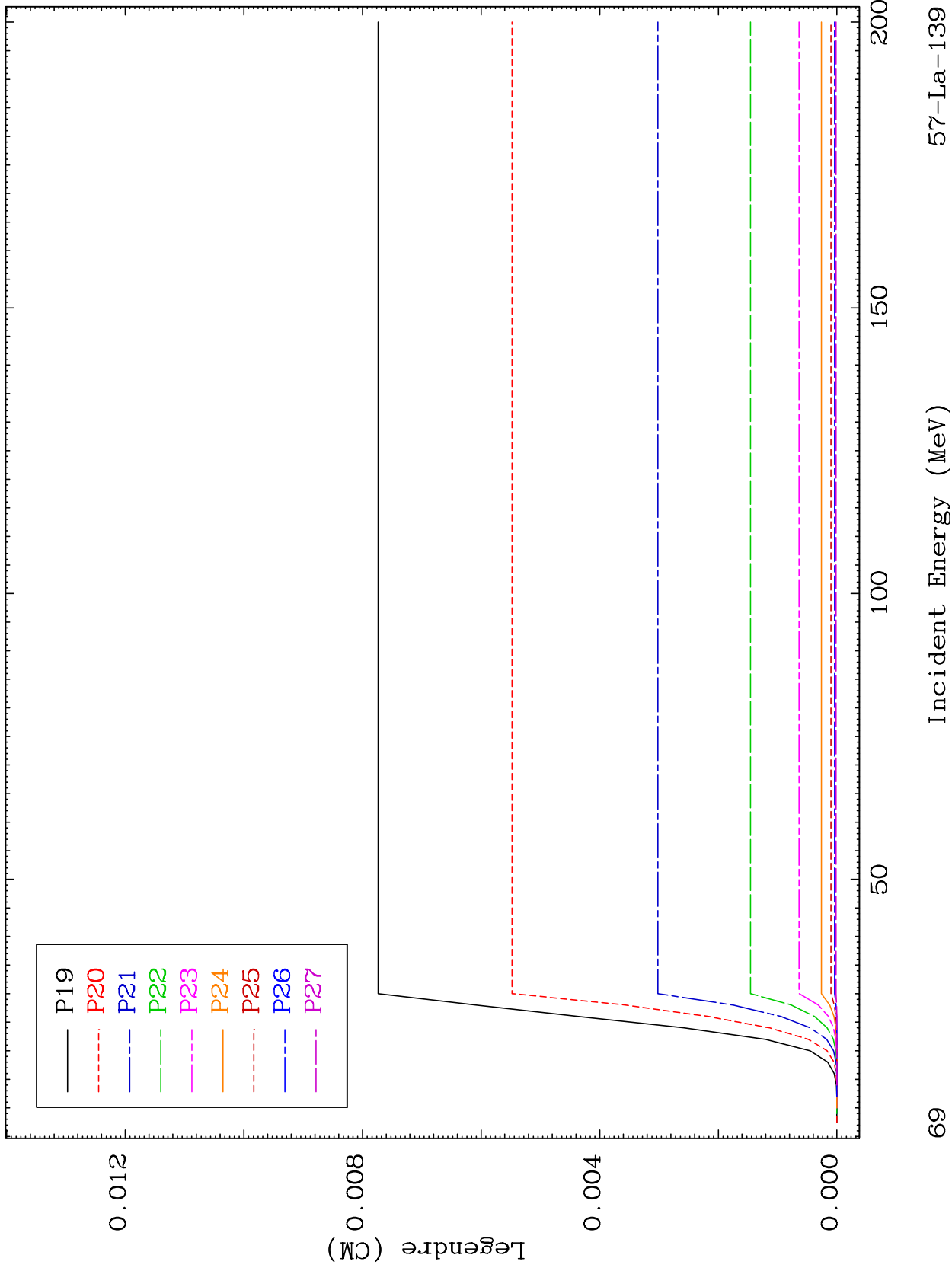
57-La-139



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Incident Energy (MeV)

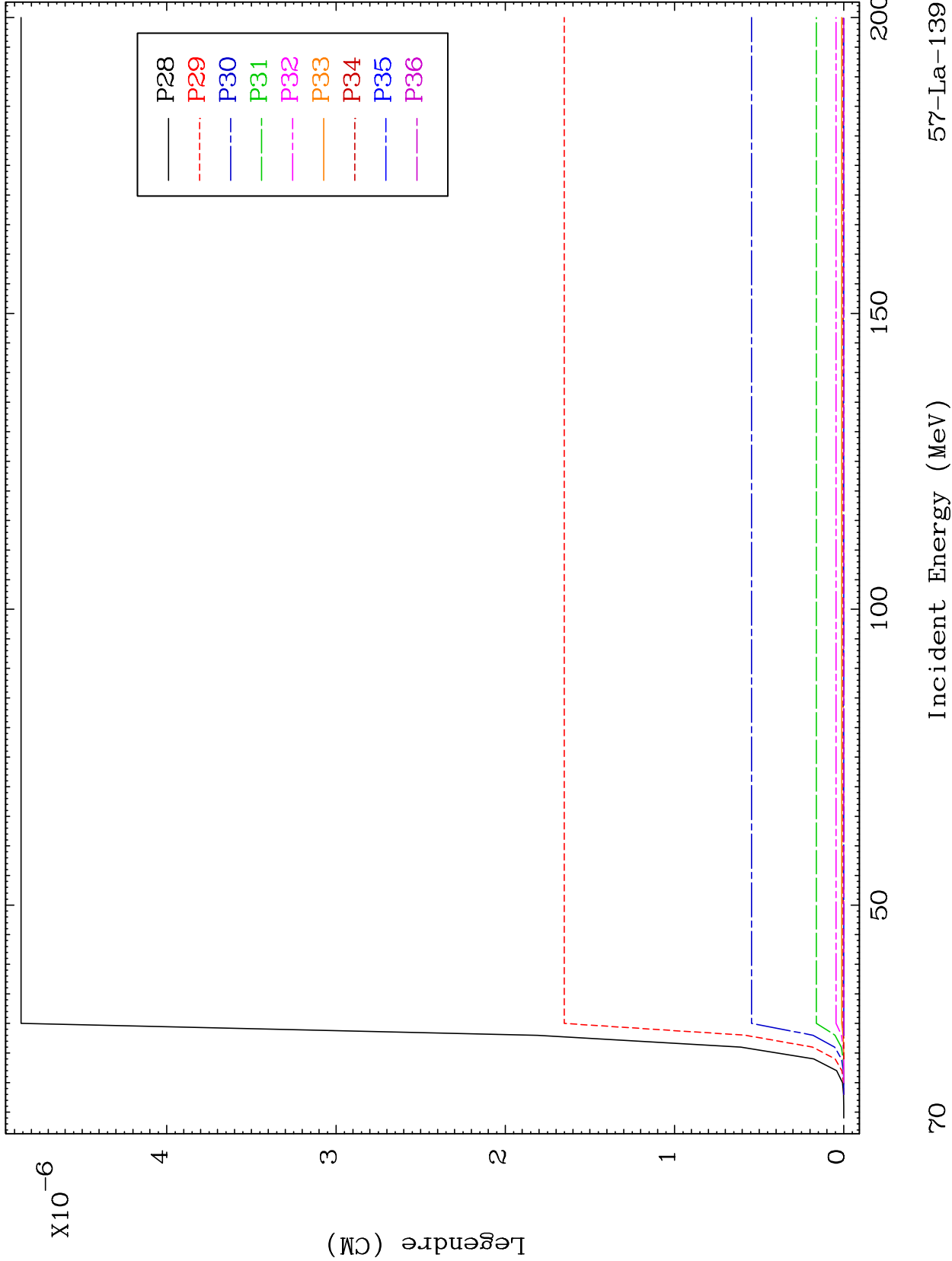
57-La-139



MAT 5728

1.580 MeV (n,n') Level
Legendre Coefficients

57-La-139



70

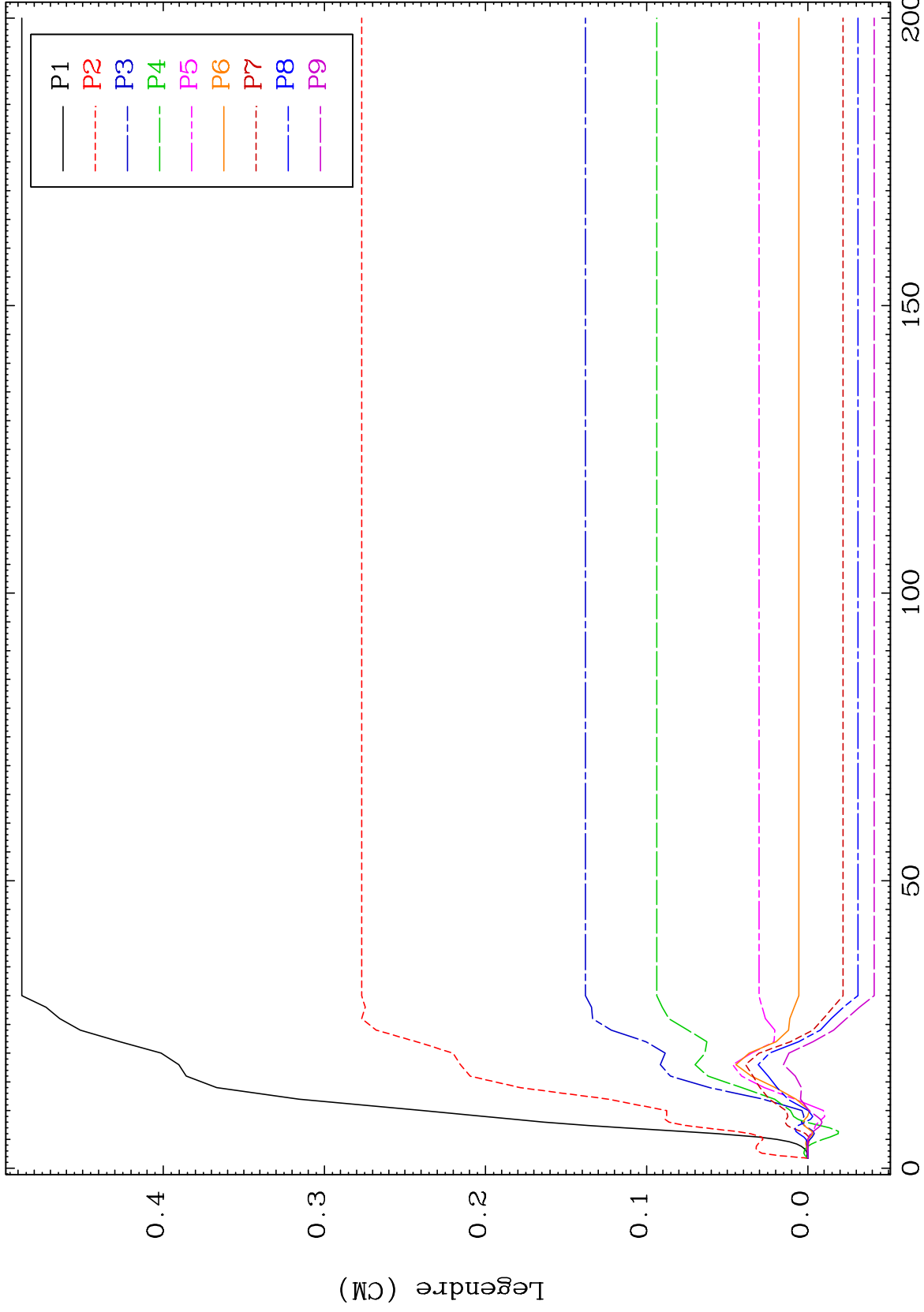
Incident Energy (MeV)

57-La-139

MAT 5728

1.683 MeV (n,n') Level
Legendre Coefficients

57-La-139



71

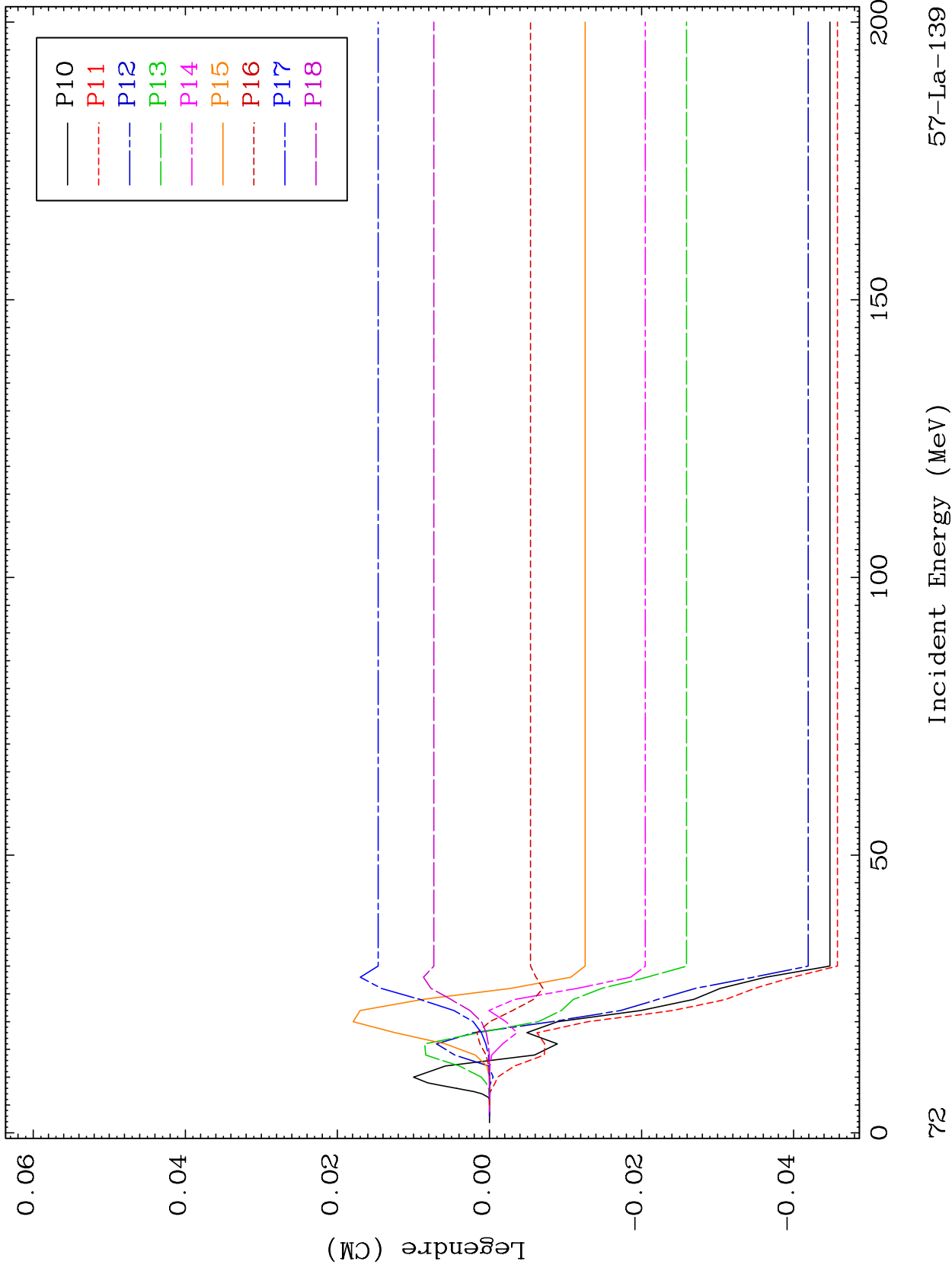
Incident Energy (MeV)

57-La-139

MAT 5728

1.683 MeV (n,n') Level
Legendre Coefficients

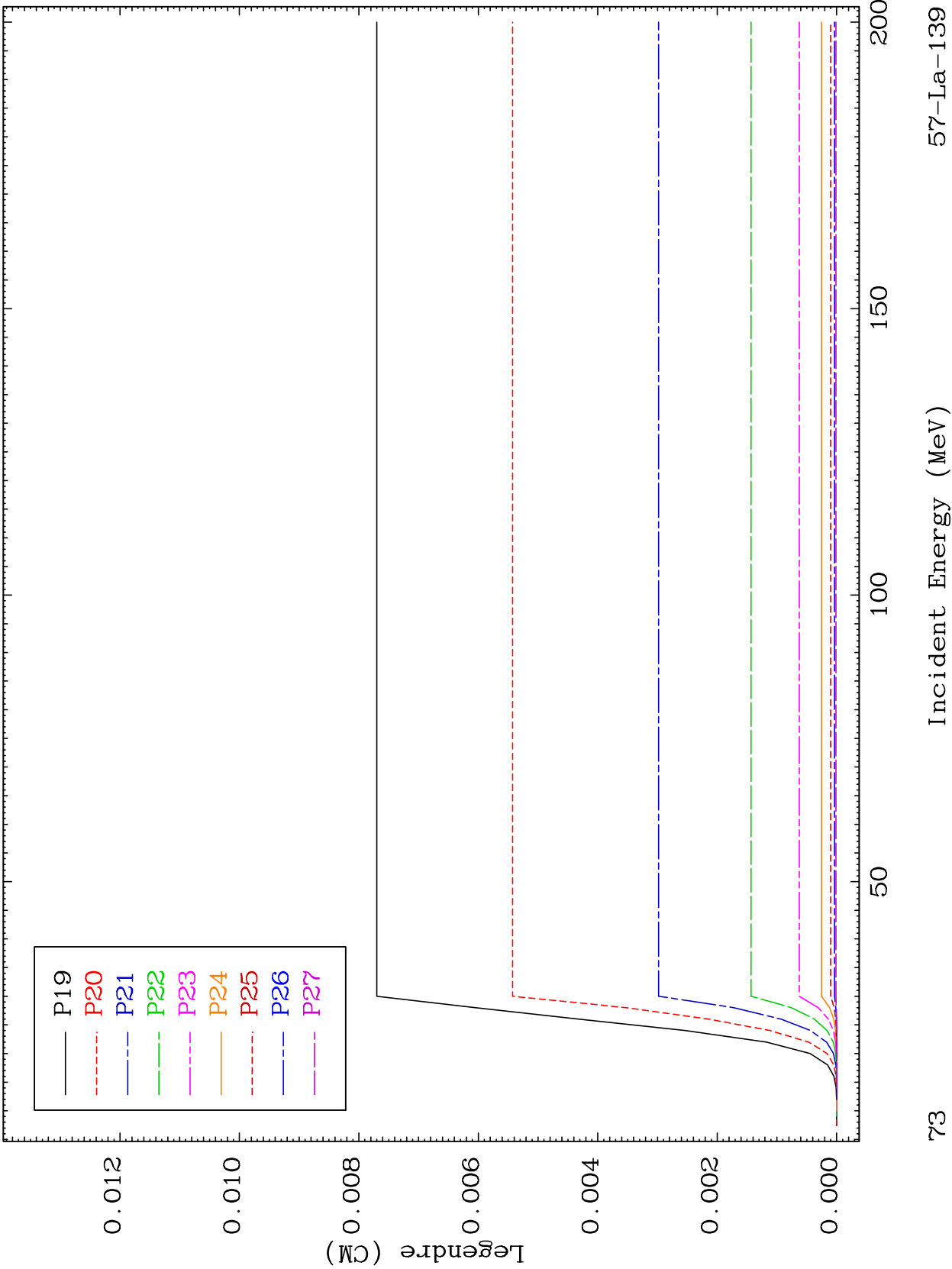
57-La-139



72

Incident Energy (MeV)

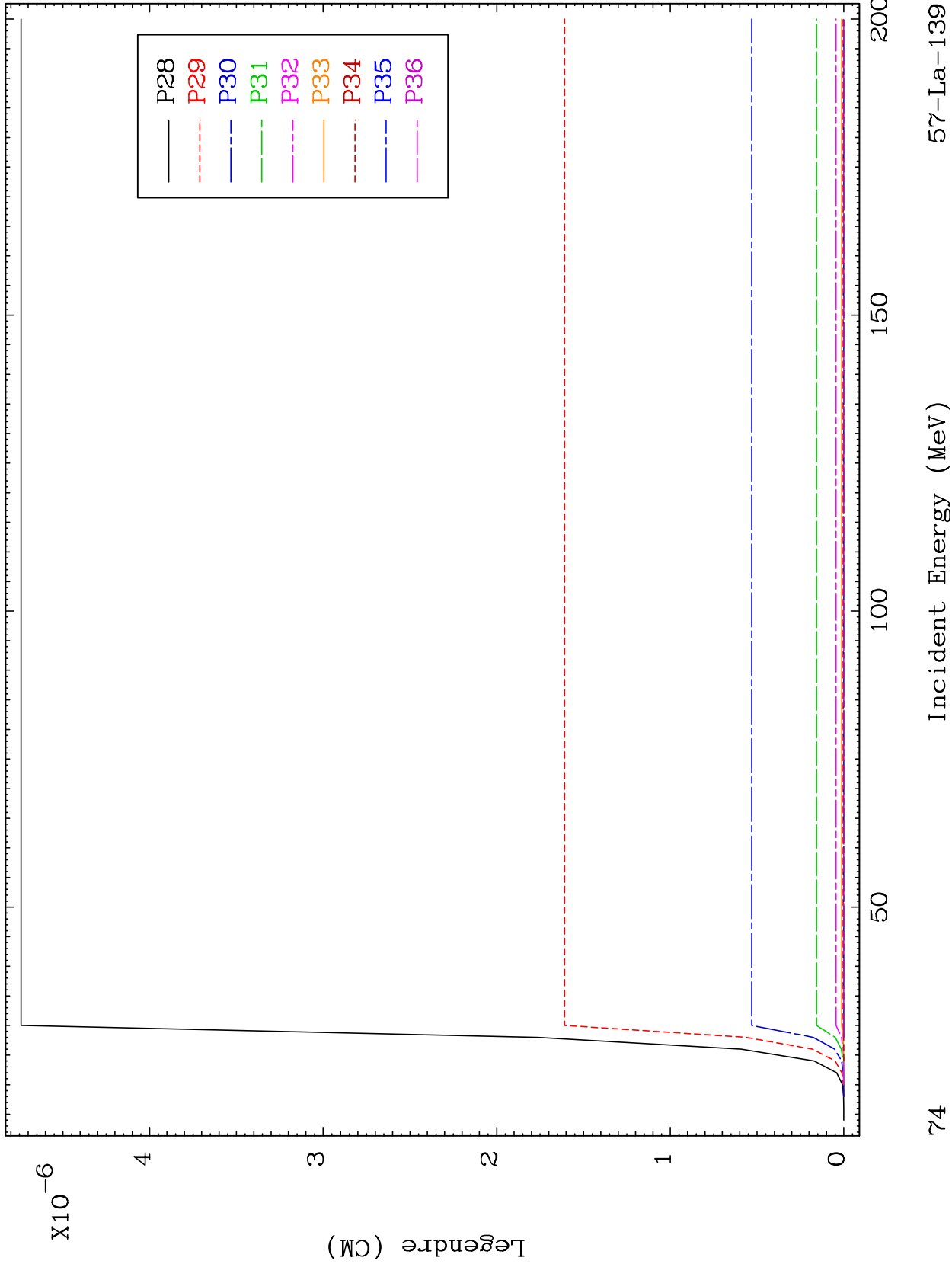
57-La-139



MAT 5728

1.683 MeV (n,n') Level
Legendre Coefficients

57-La-139



74

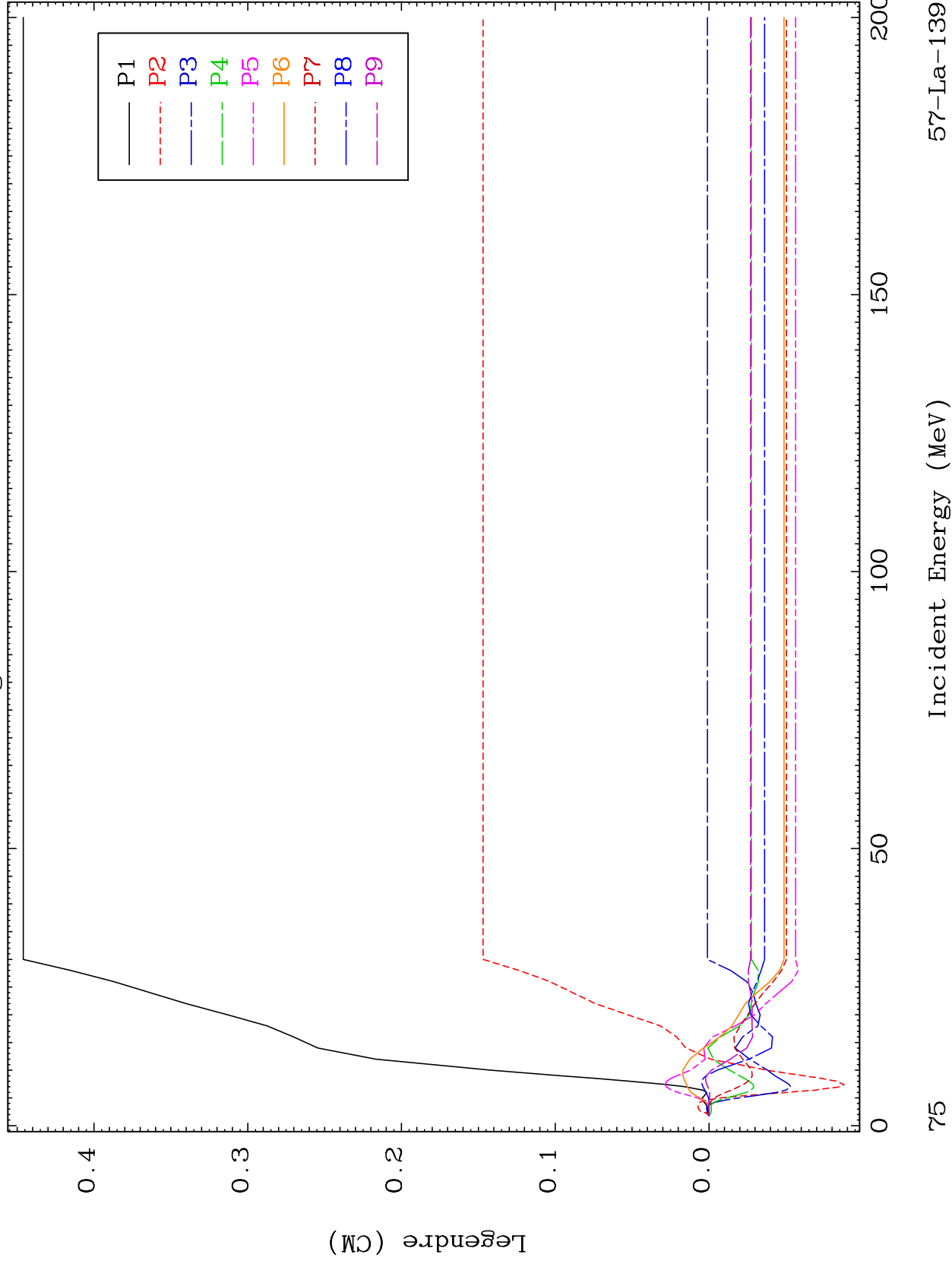
Incident Energy (MeV)

57-La-139

MAT 5728

1.716 MeV (n,n') Level
Legendre Coefficients

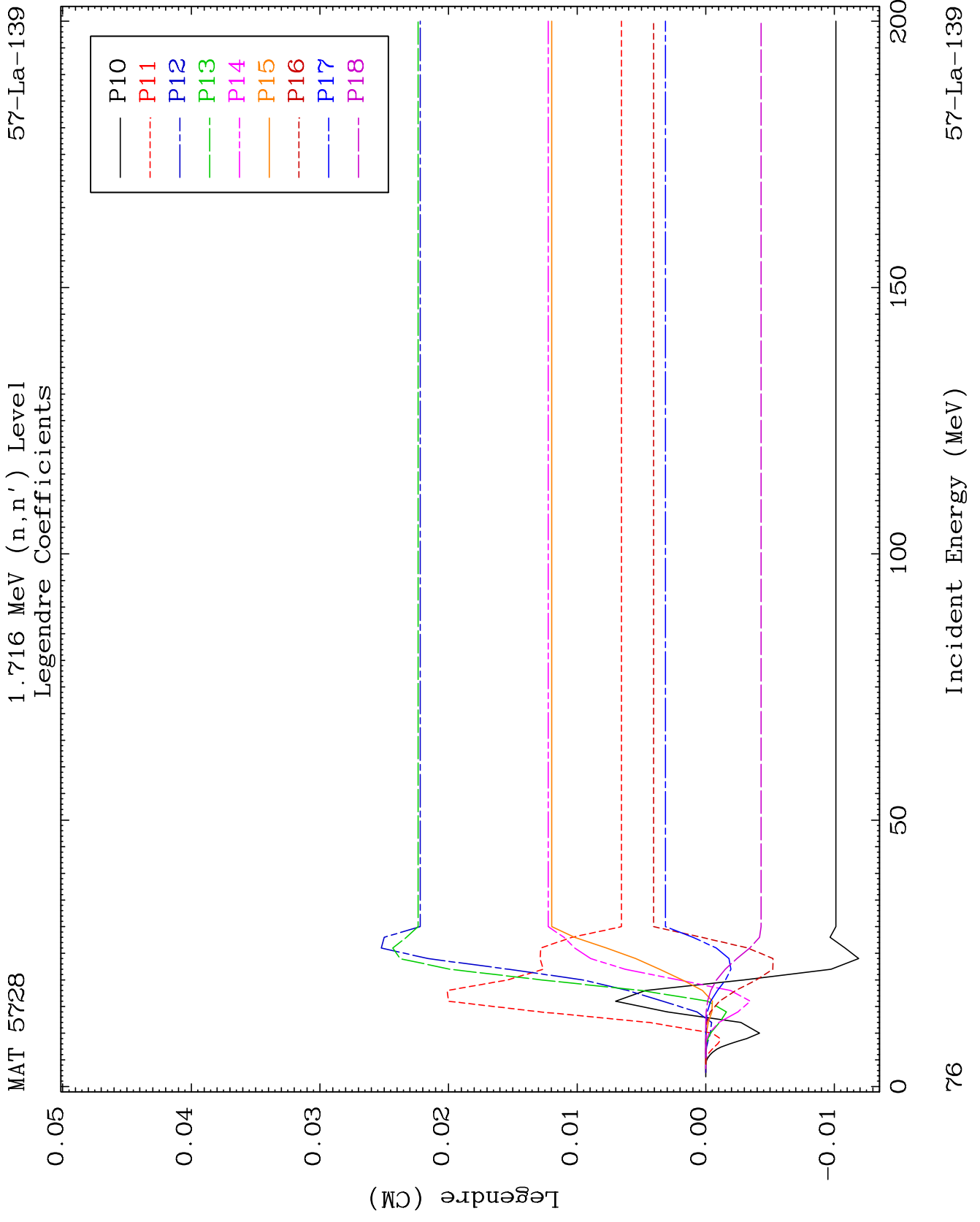
57-La-139



57-La-139

Incident Energy (MeV)

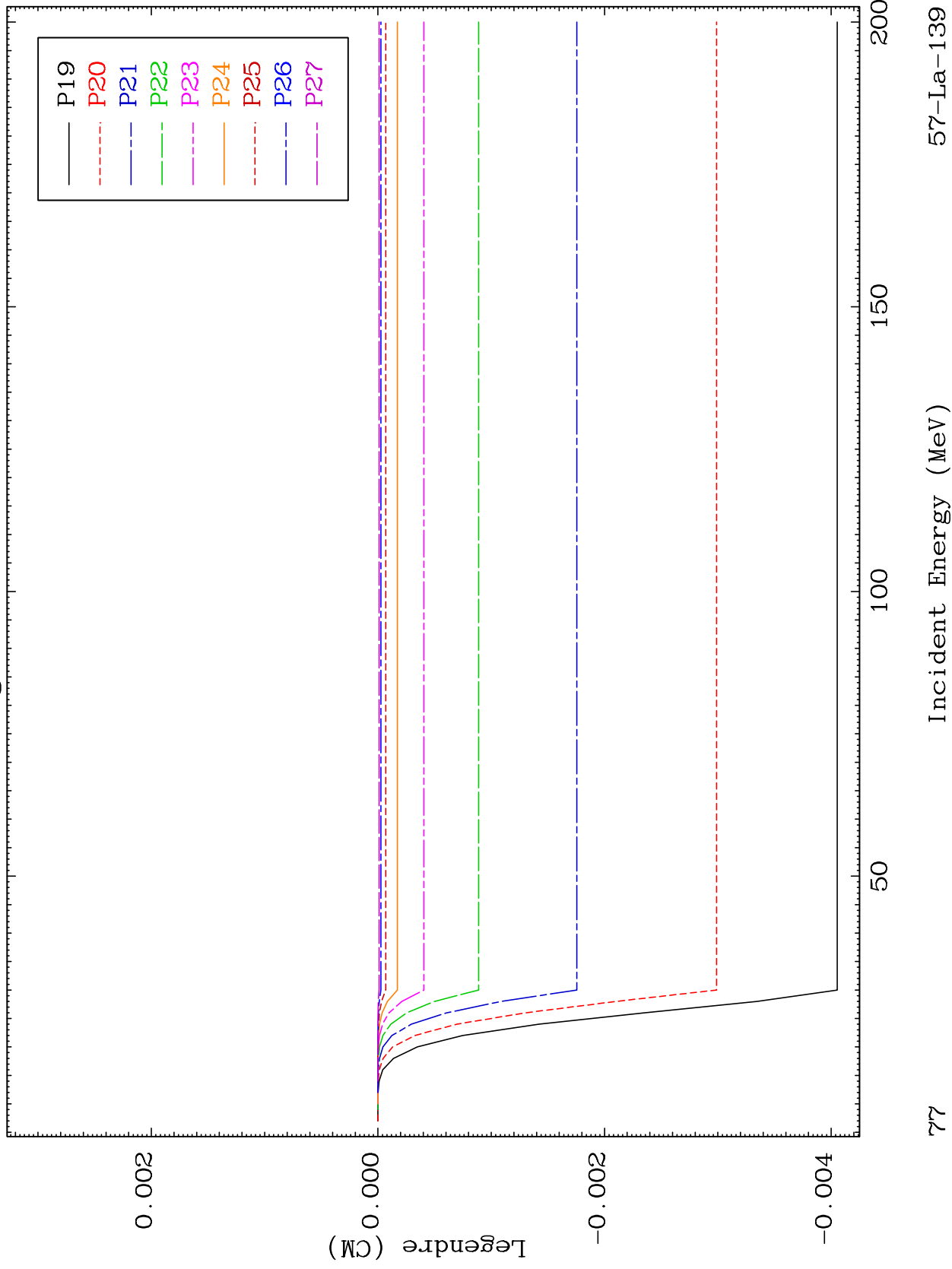
75



MAT 5728

1.716 MeV (n,n') Level
Legendre Coefficients

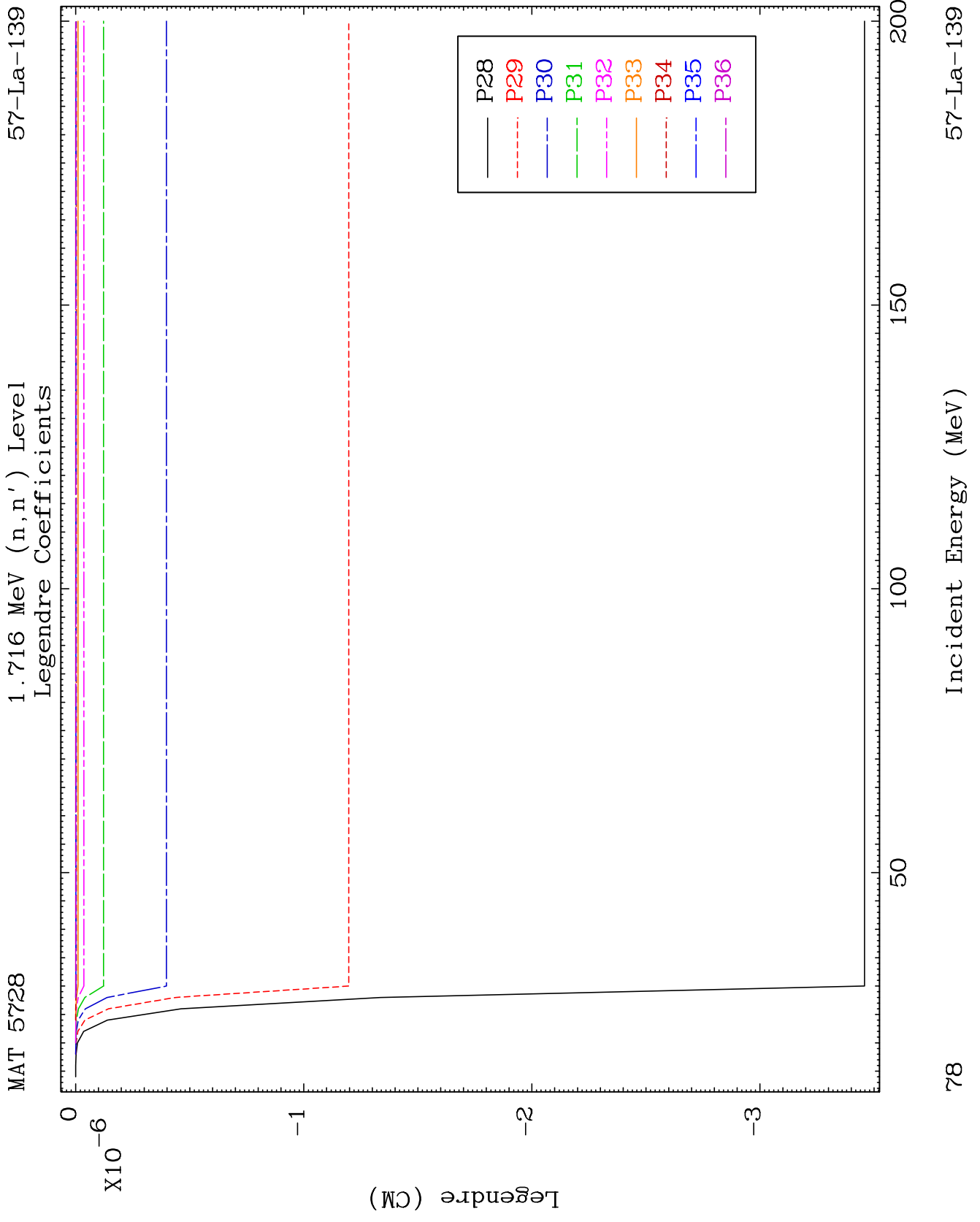
57-La-139



77

Incident Energy (MeV)

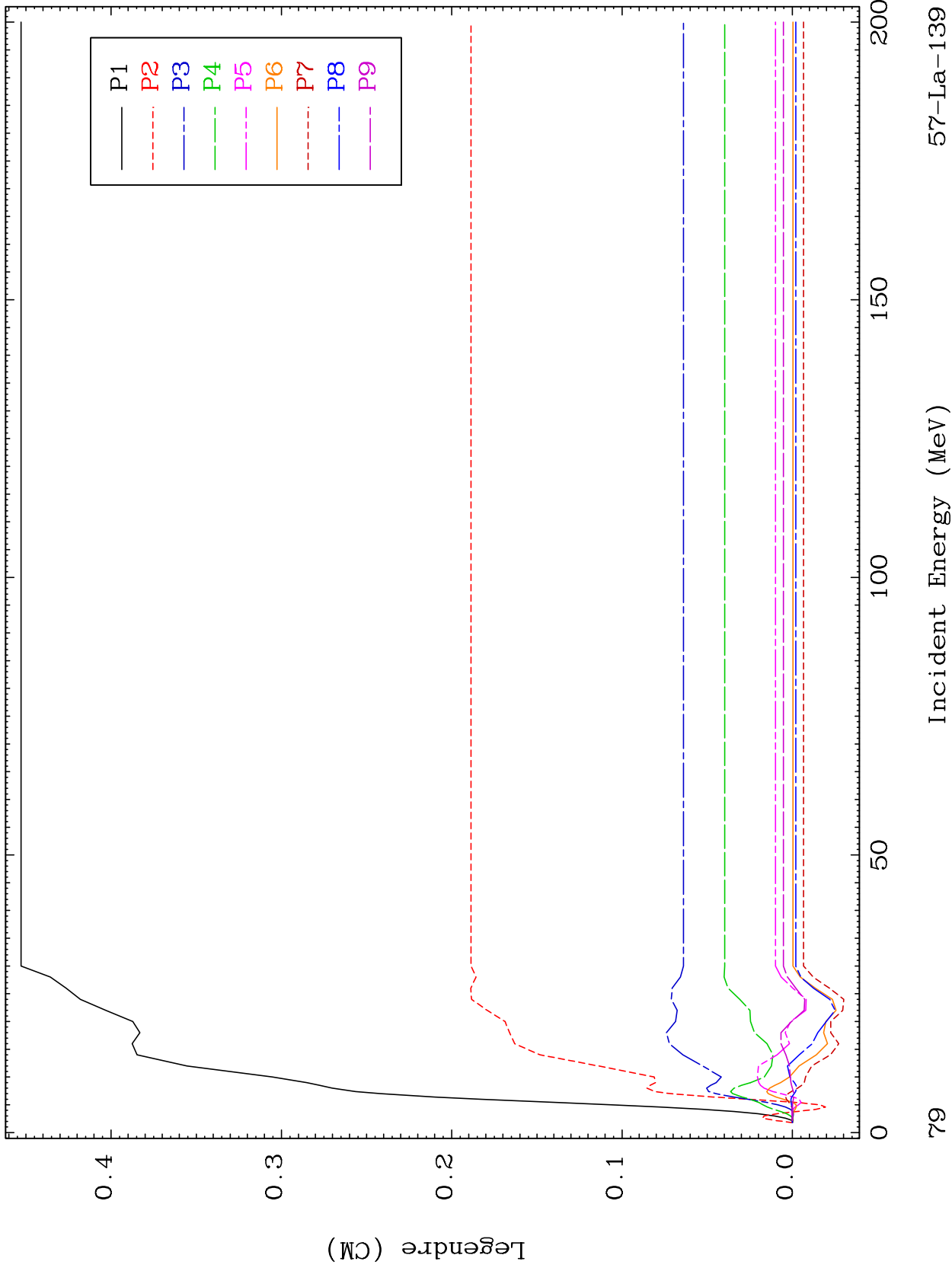
57-La-139



MAT 5728

1.761 MeV (n,n') Level
Legendre Coefficients

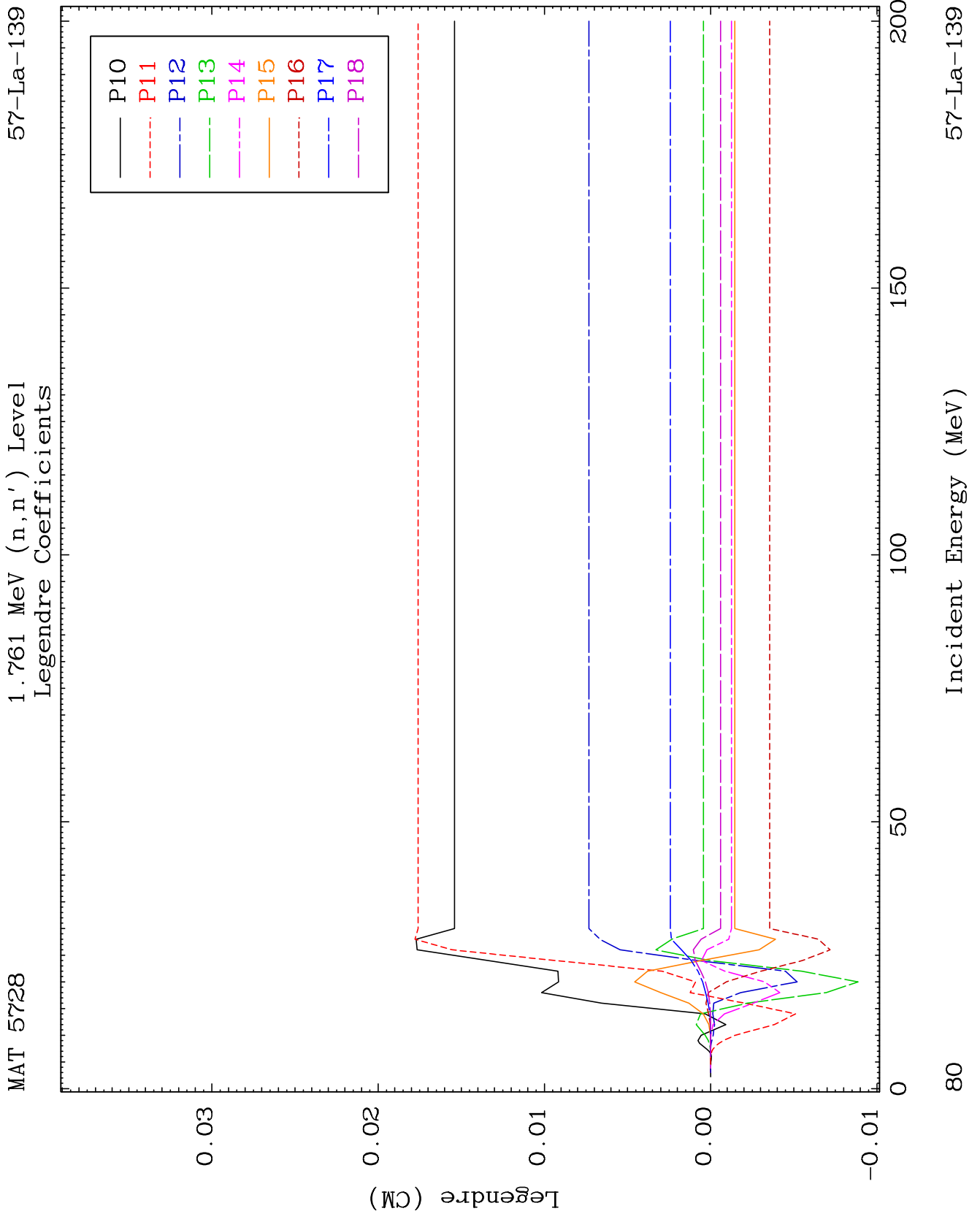
57-La-139

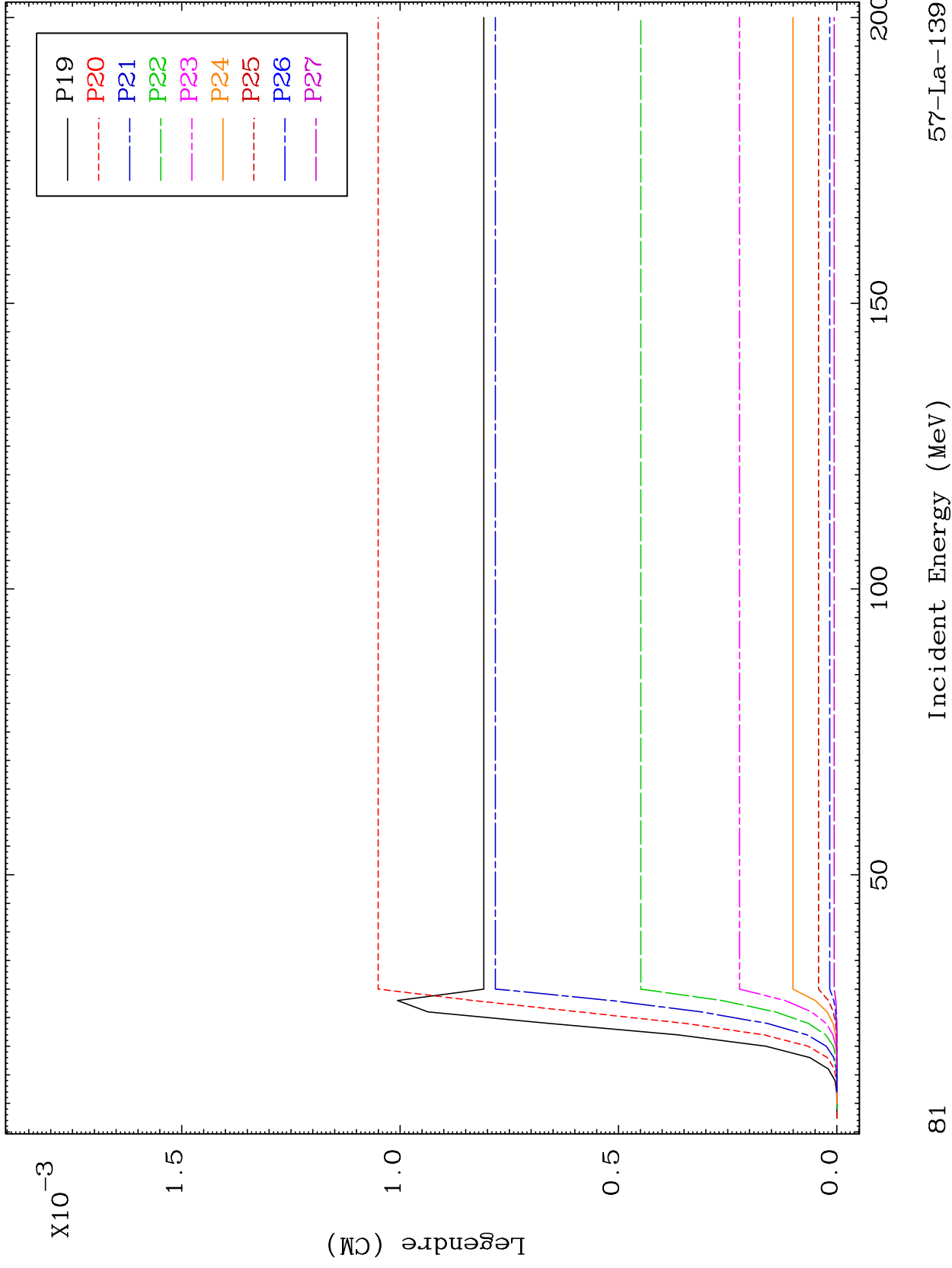


79

Incident Energy (MeV)

57-La-139

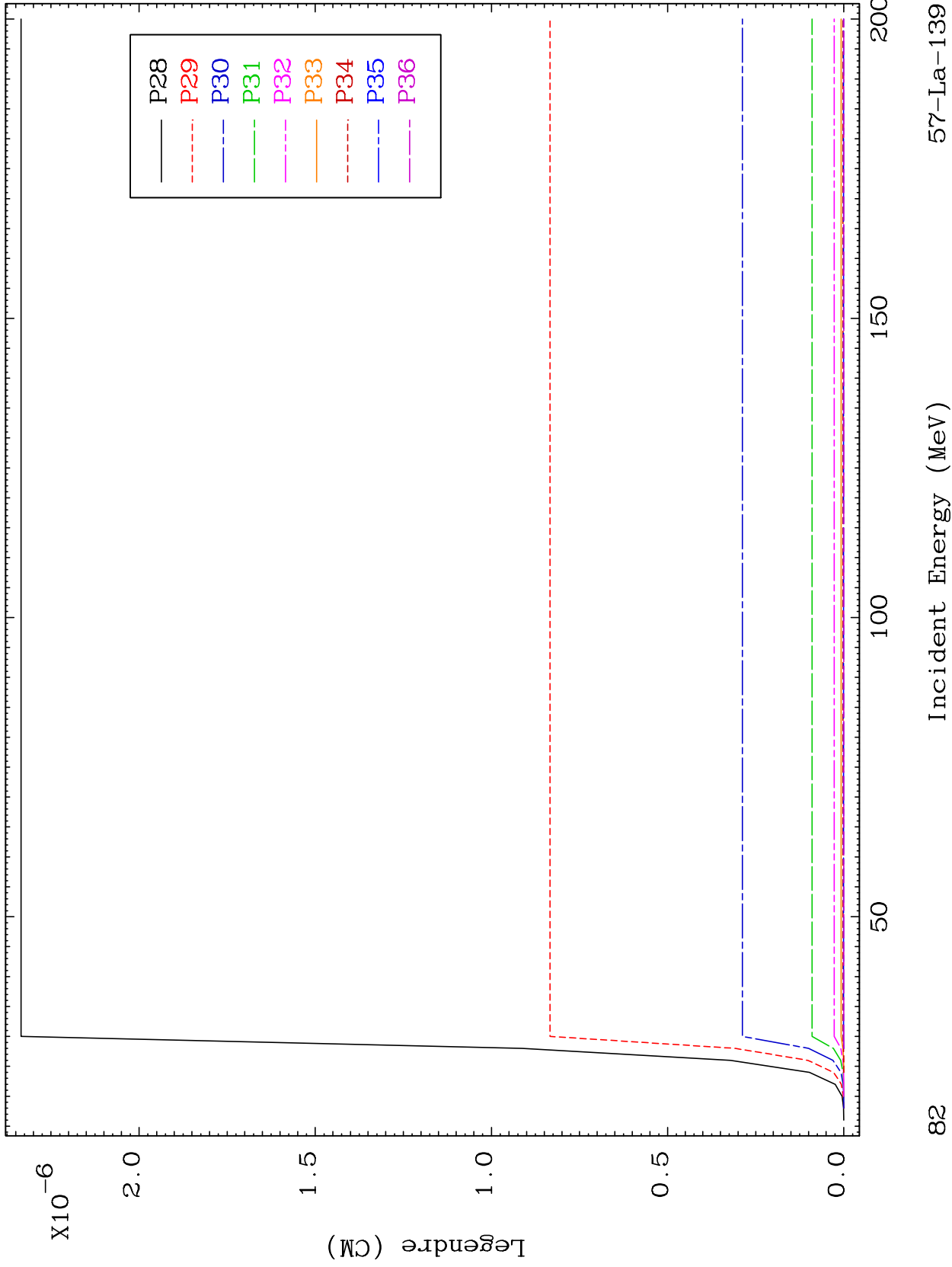


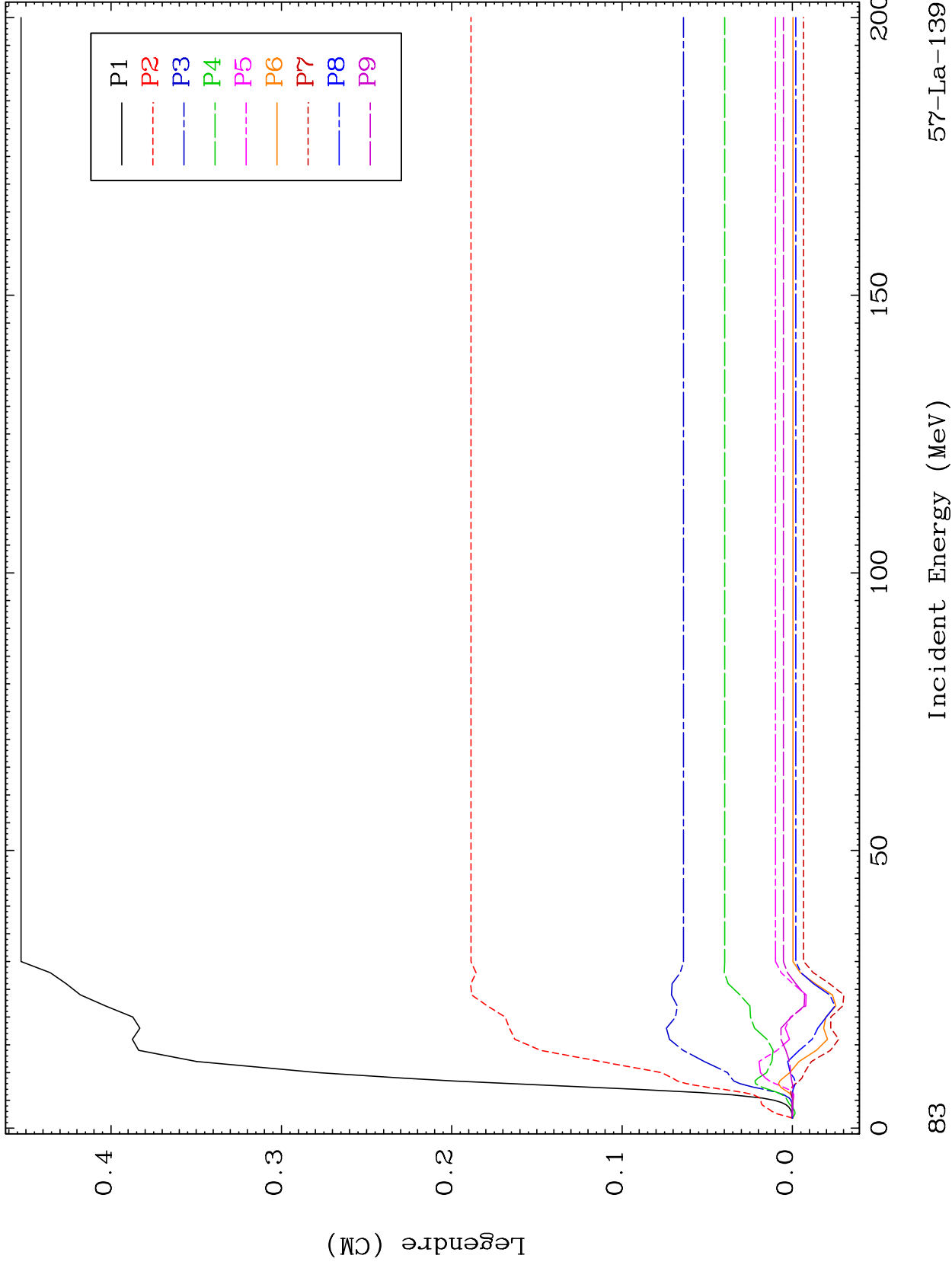


MAT 5728

1.761 MeV (n,n') Level
Legendre Coefficients

57-La-139

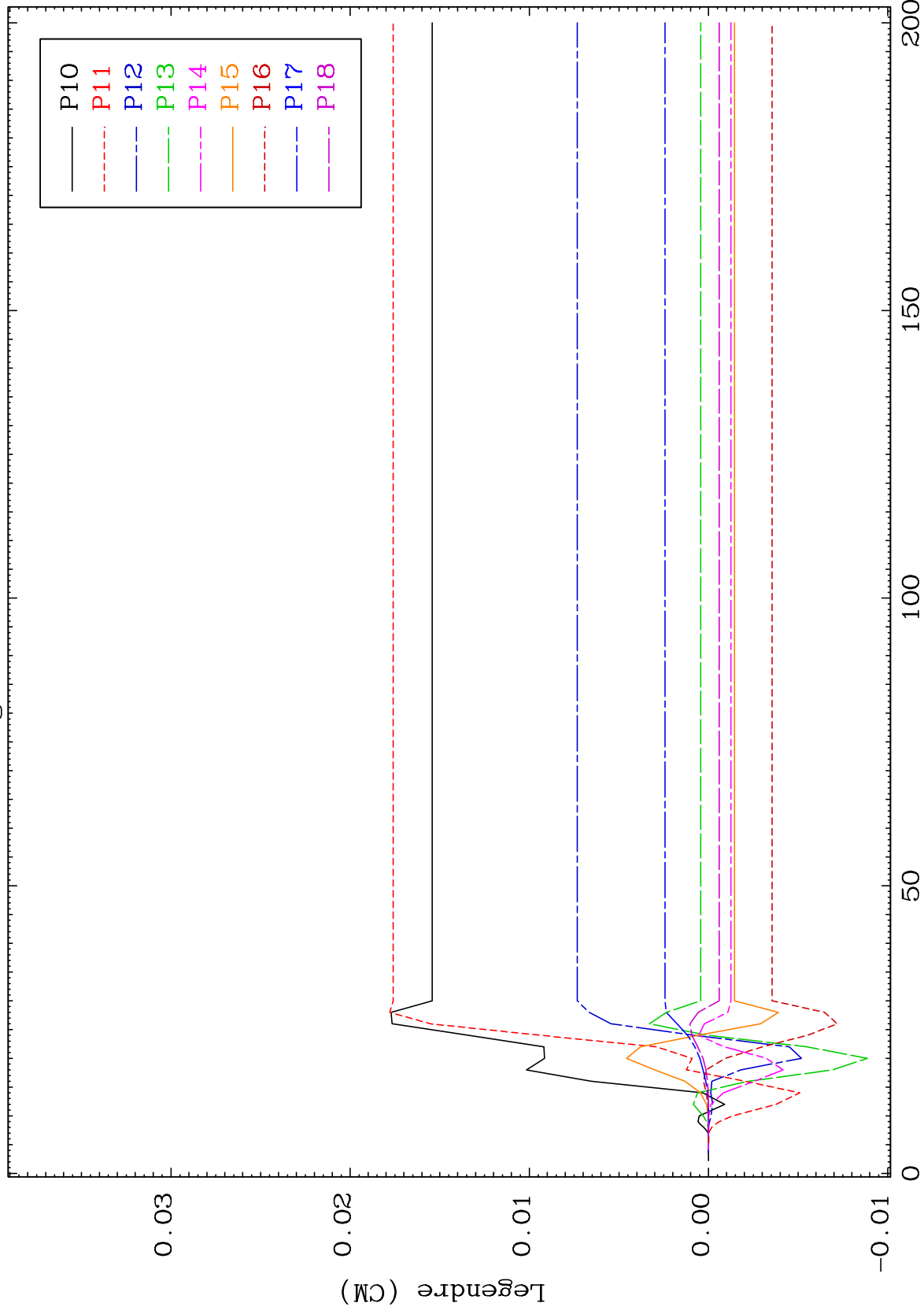




MAT 5728

1.766 MeV (n,n') Level
Legendre Coefficients

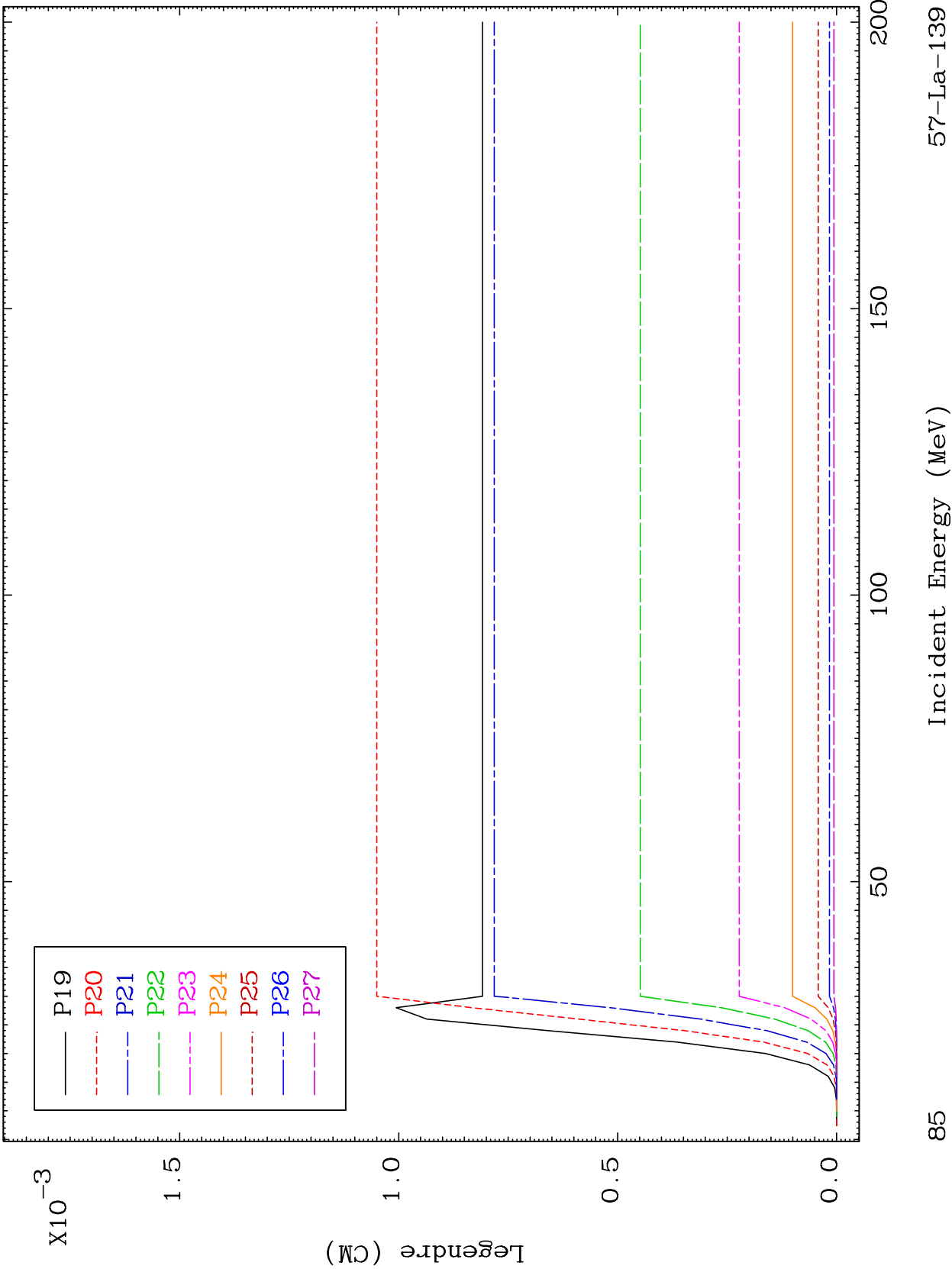
57-La-139

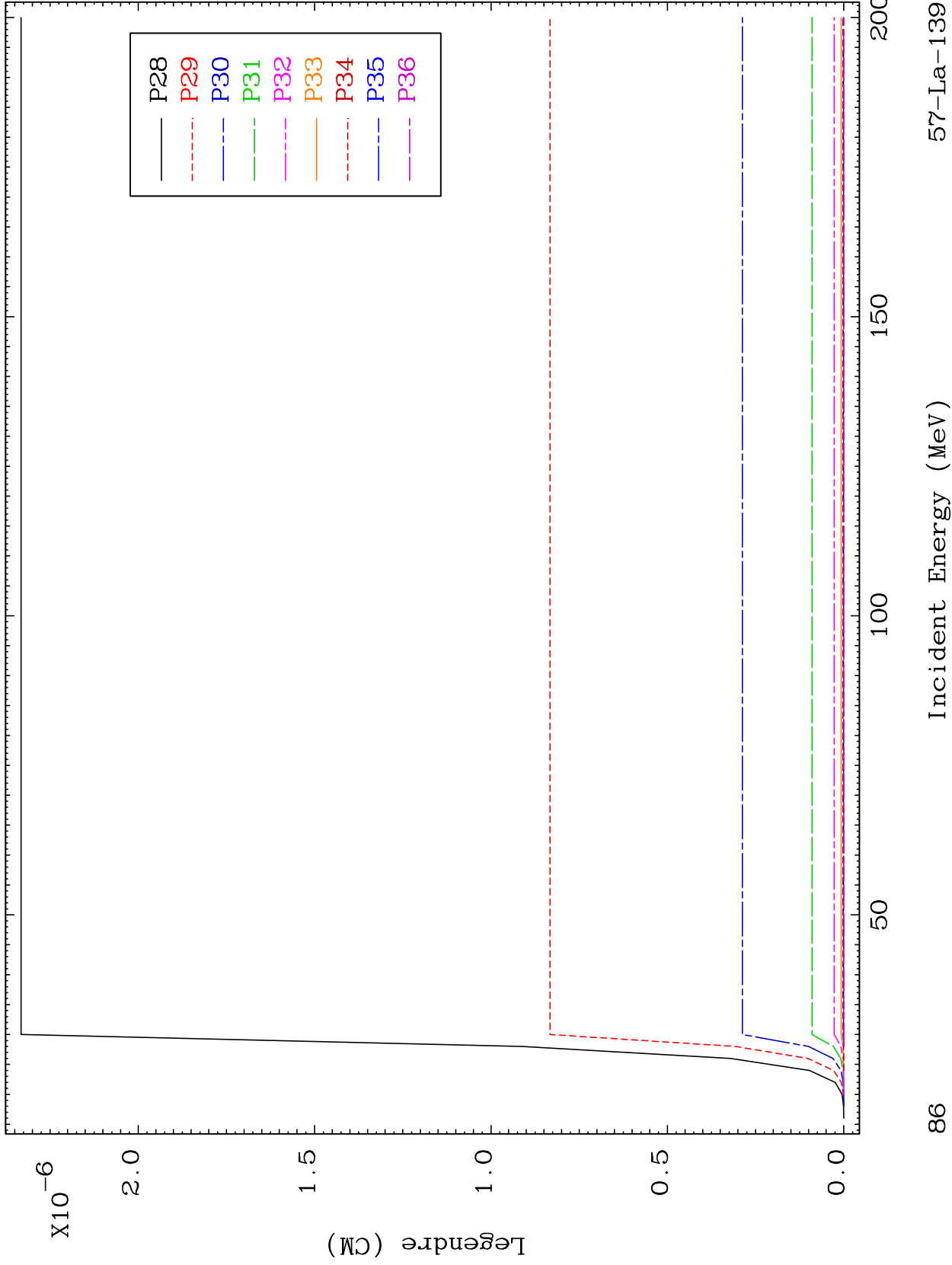


84

Incident Energy (MeV)

57-La-139

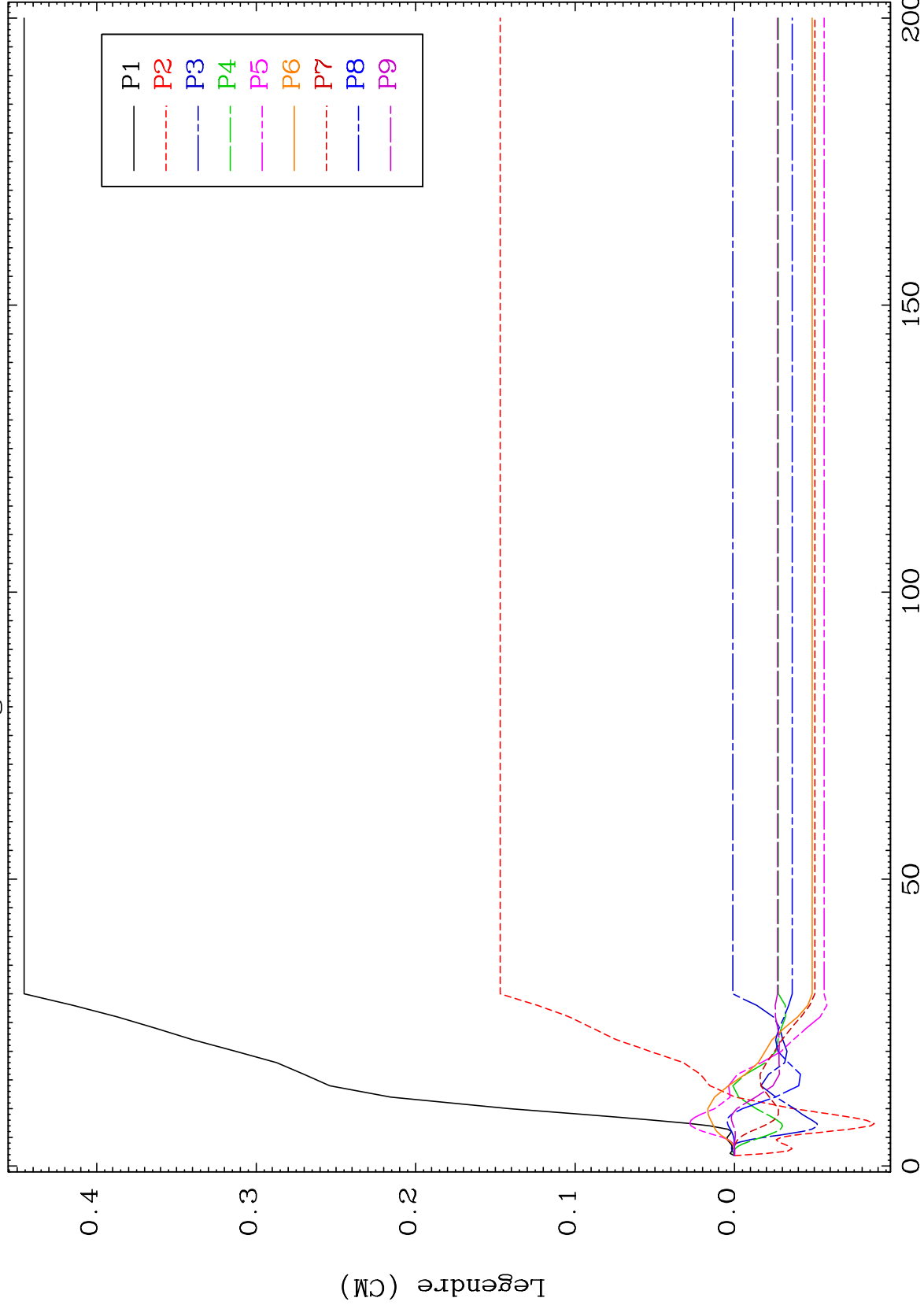




MAT 5728

1.780 MeV (n,n') Level
Legendre Coefficients

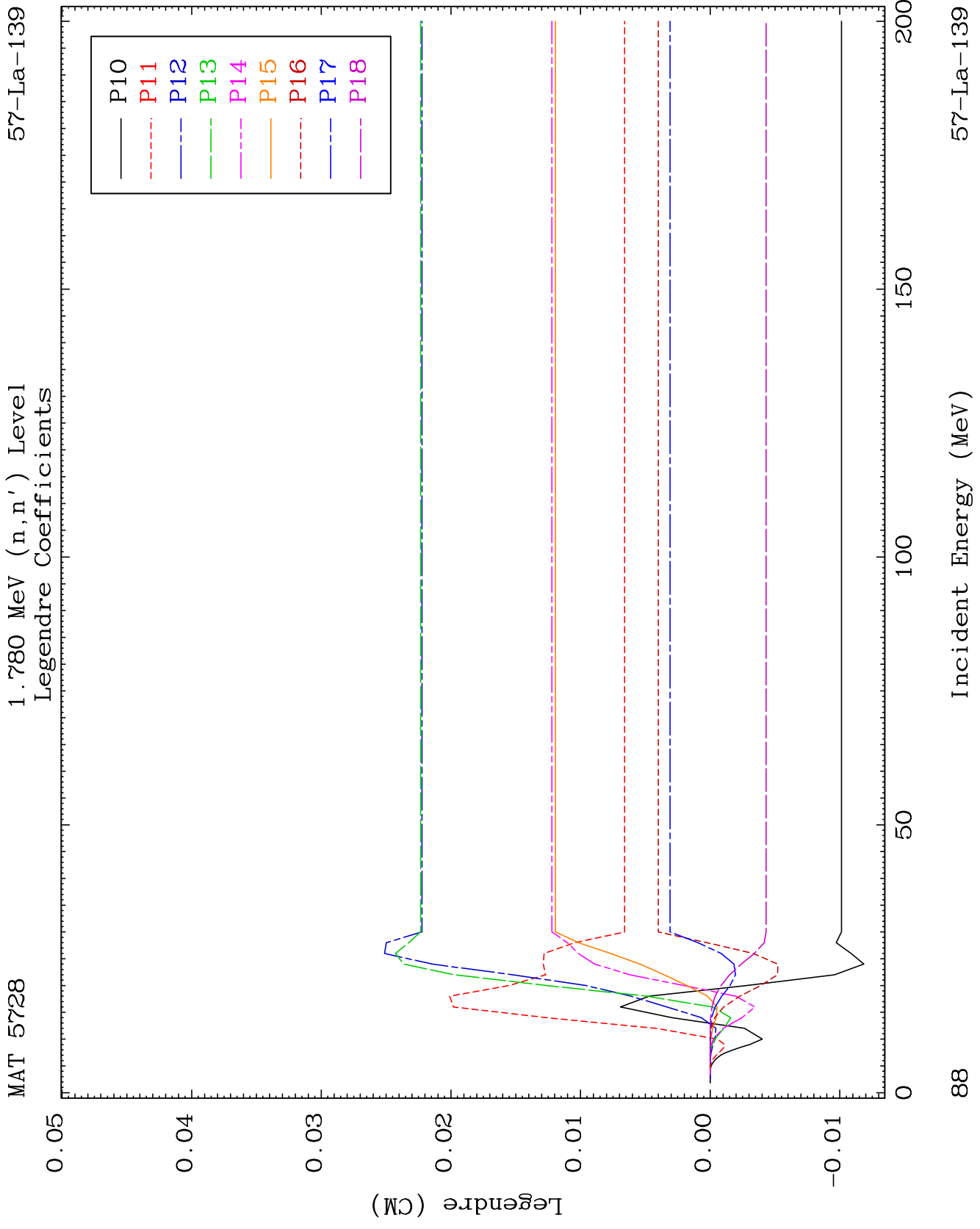
57-La-139

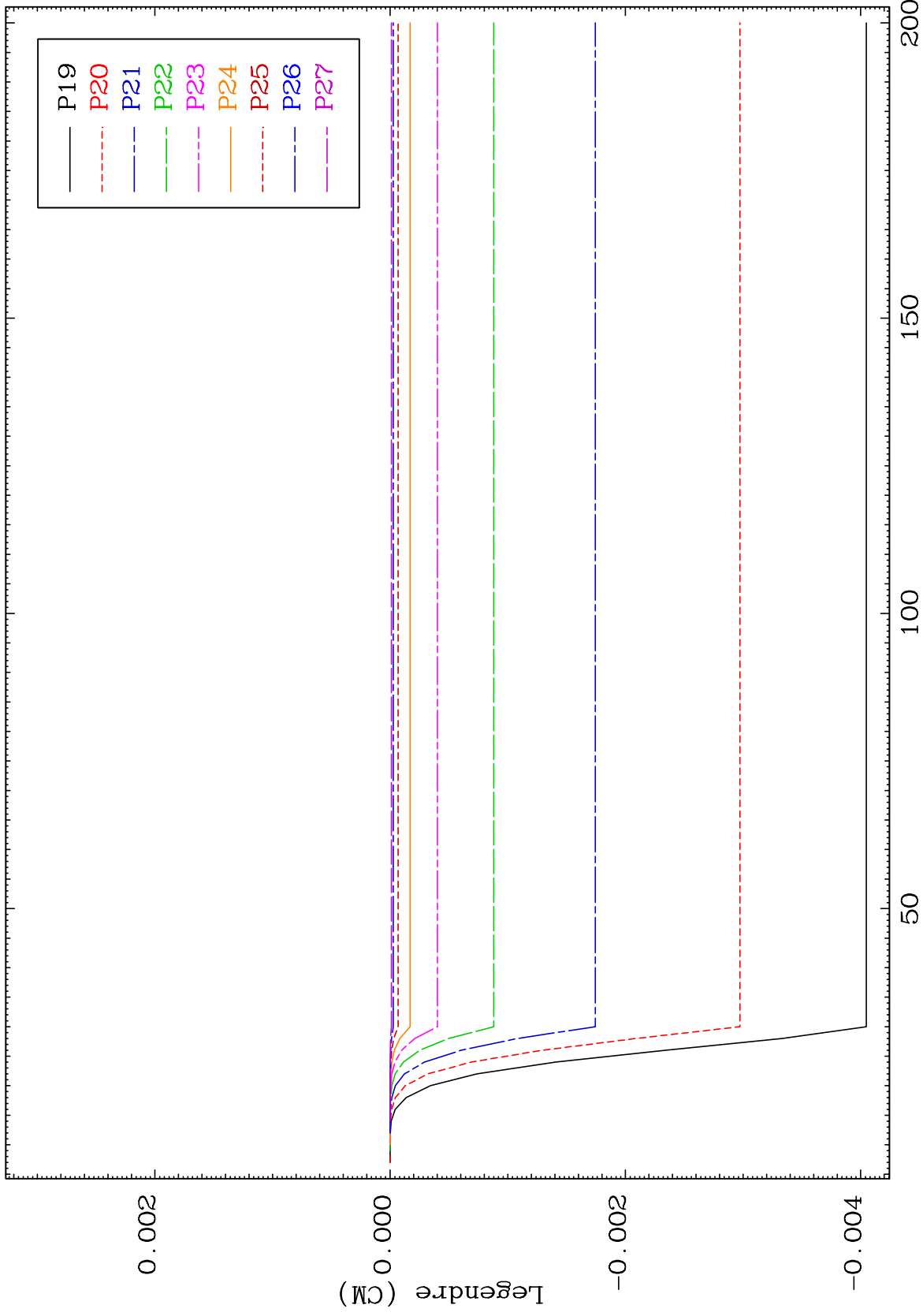


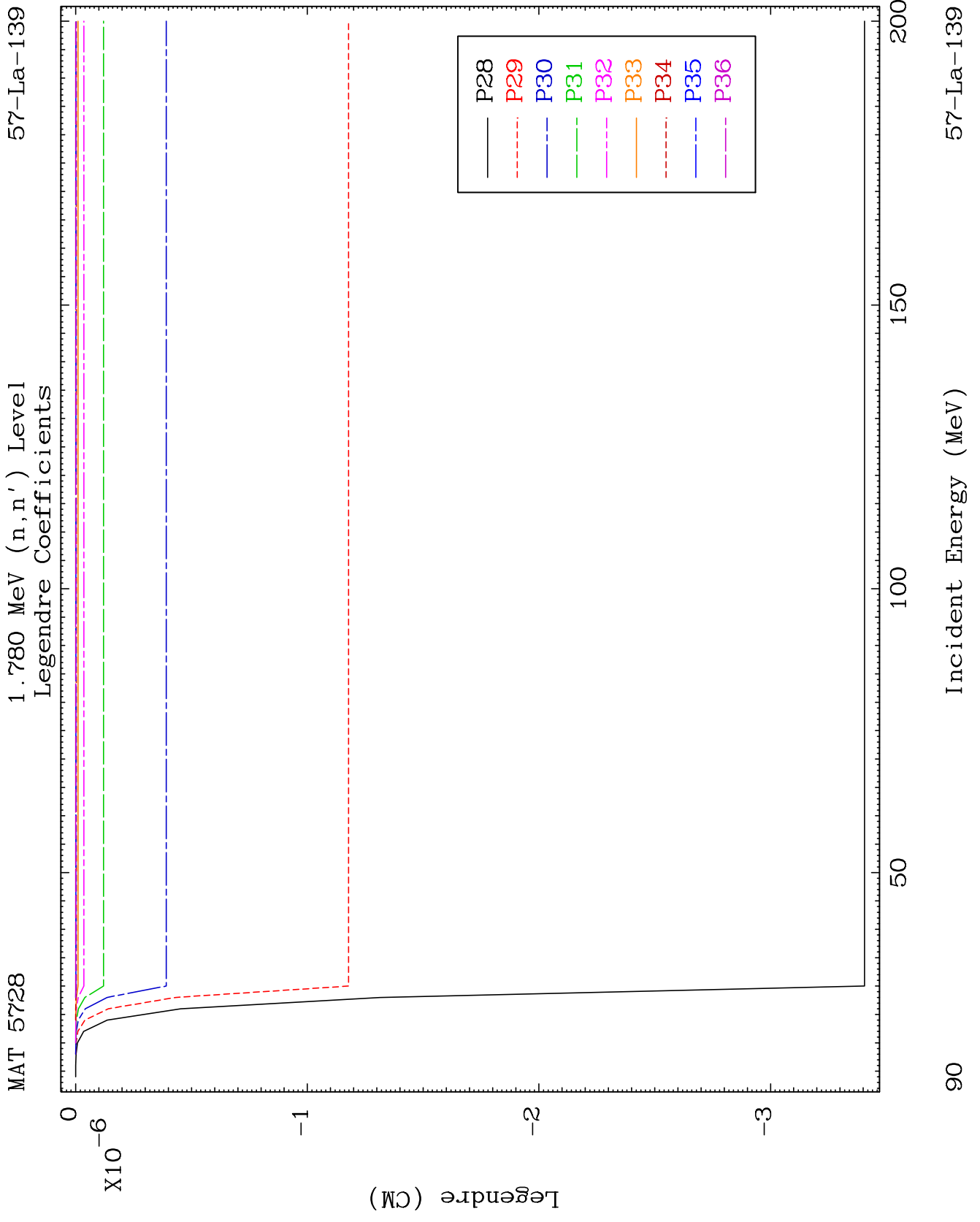
57-La-139

Incident Energy (MeV)

87



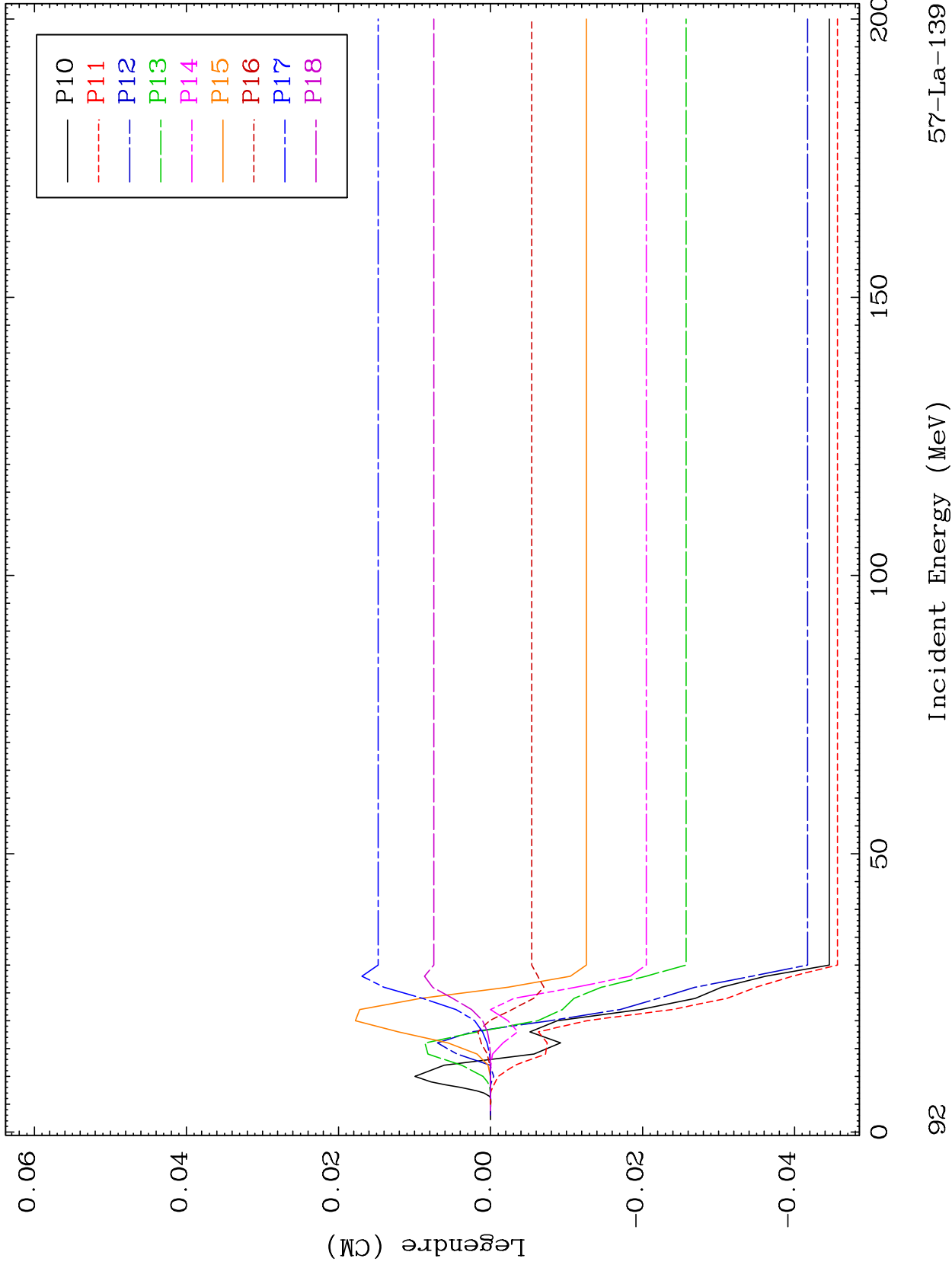




MAT 5728

1.820 MeV (n,n') Level
Legendre Coefficients

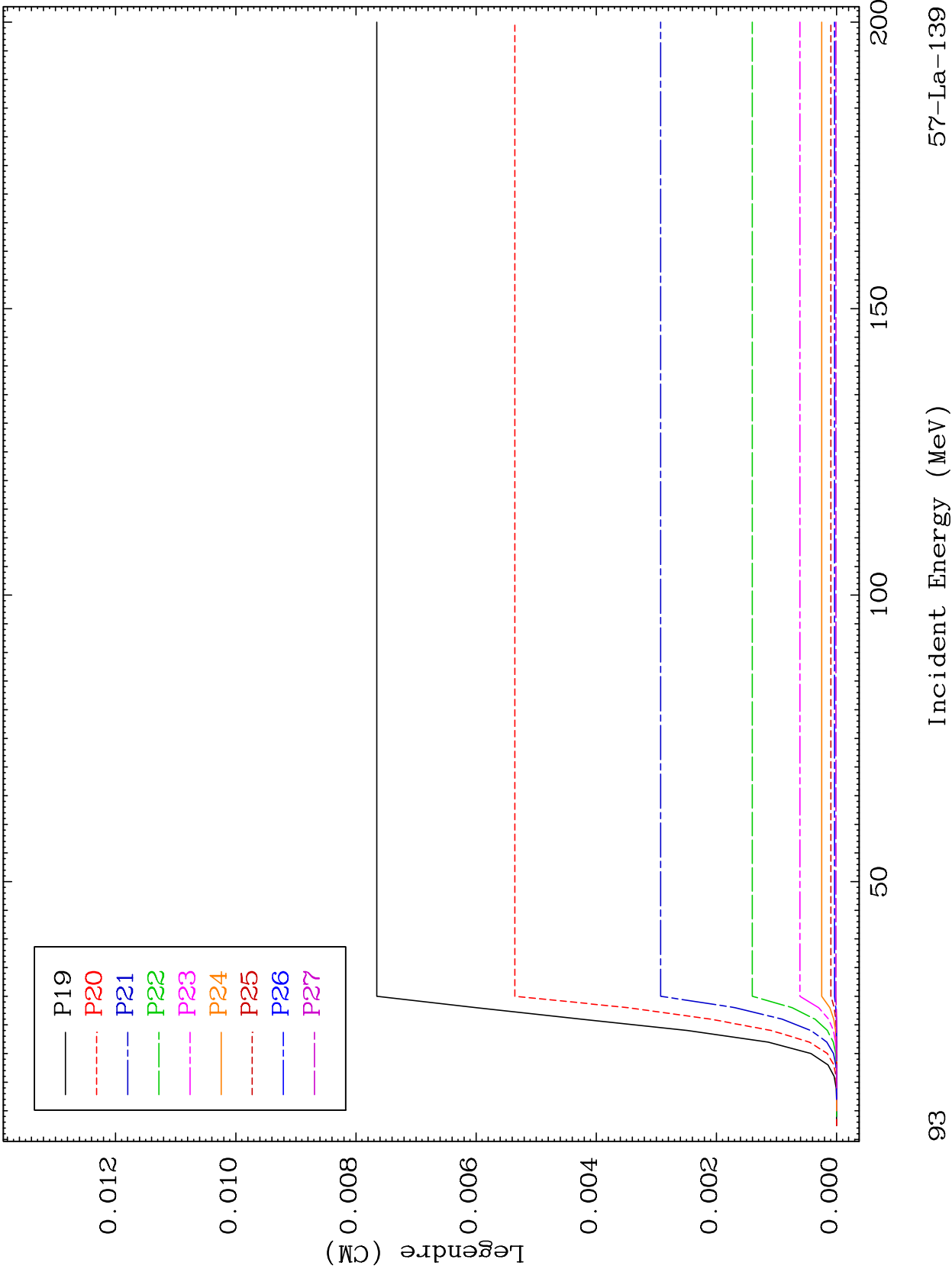
57-La-139



57-La-139

Incident Energy (MeV)

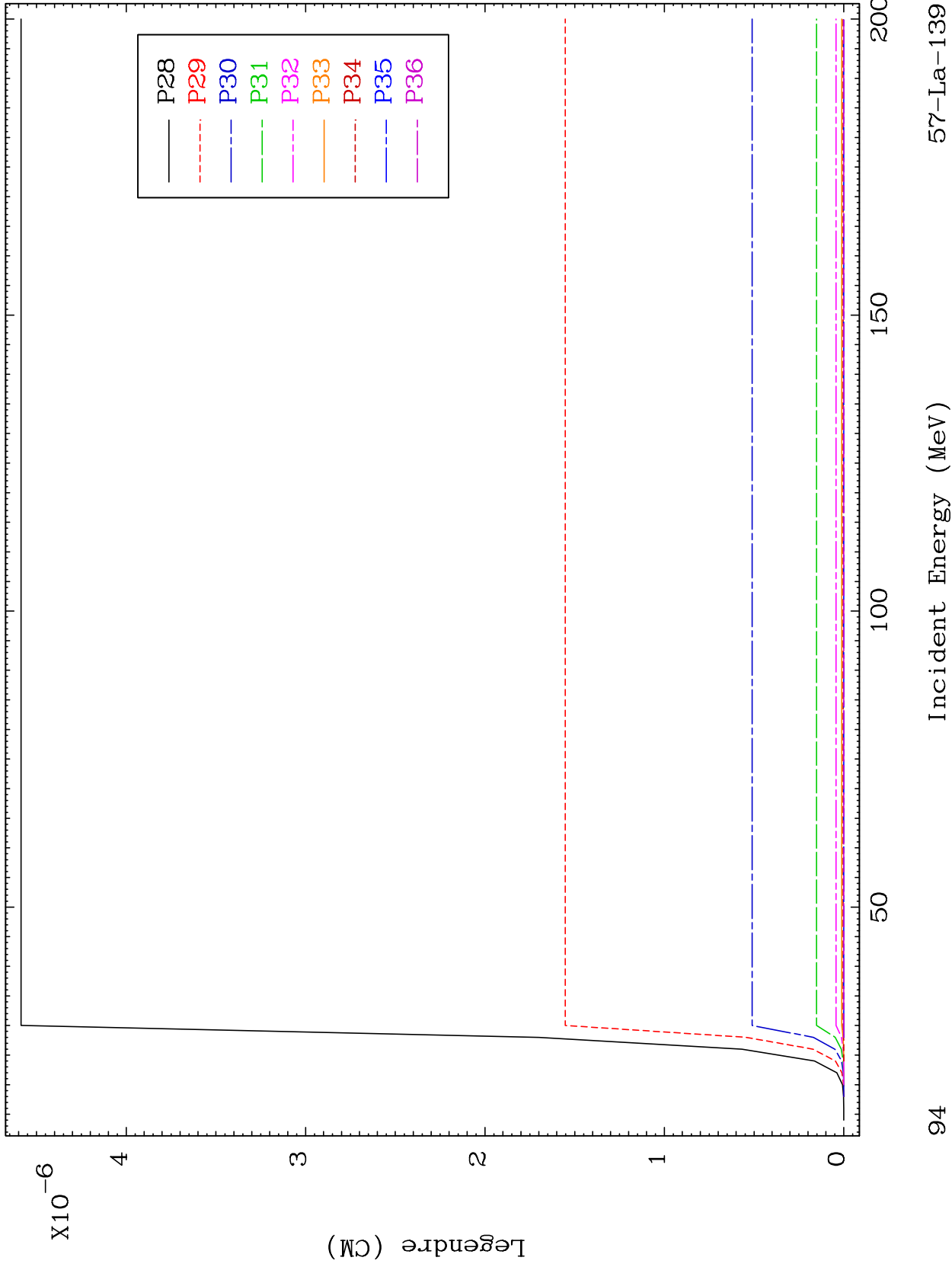
92



MAT 5728

1.820 MeV (n,n') Level
Legendre Coefficients

57-La-139



94

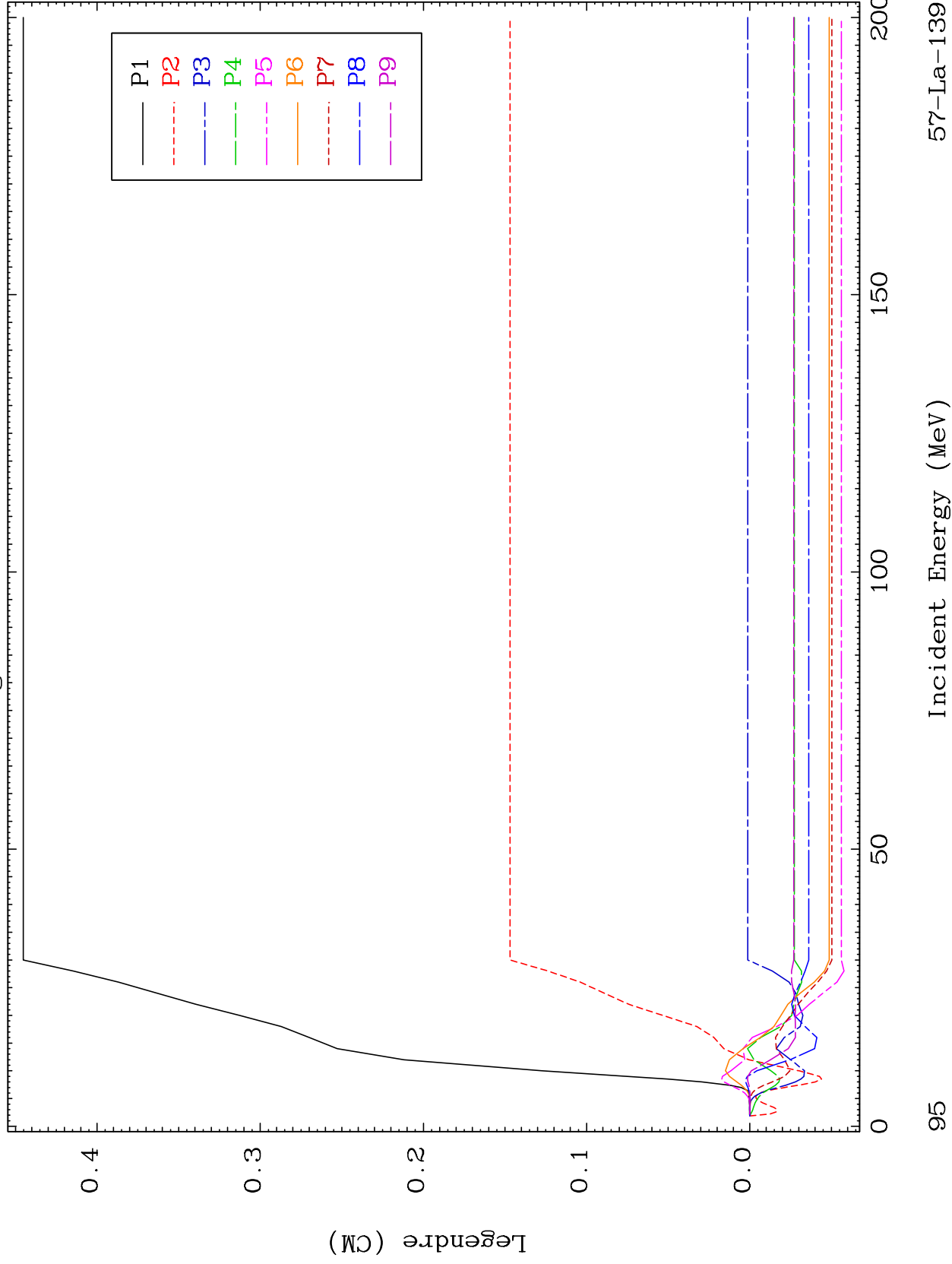
Incident Energy (MeV)

57-La-139

MAT 5728

1.837 MeV (n,n') Level
Legendre Coefficients

57-La-139



57-La-139

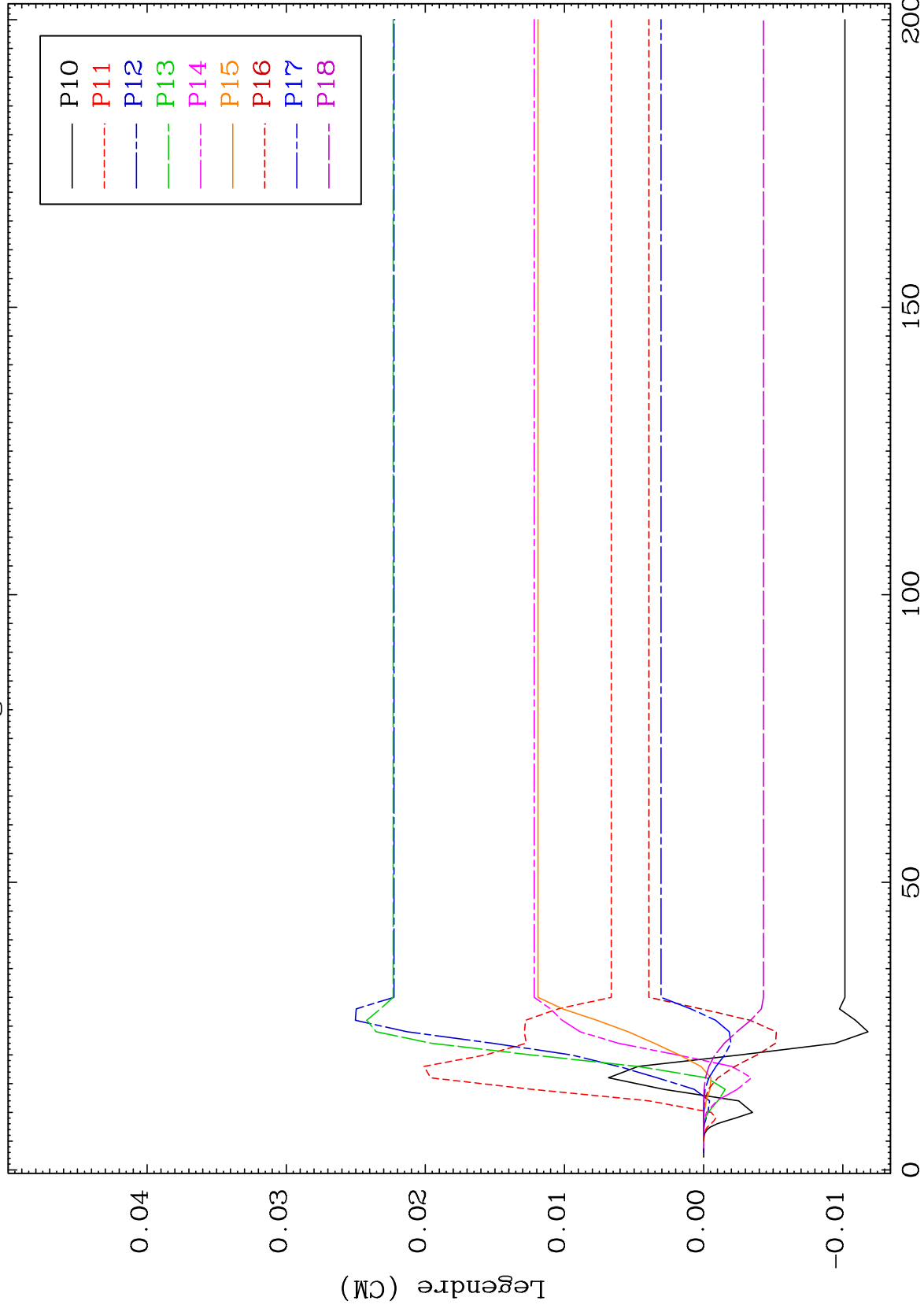
Incident Energy (MeV)

95

MAT 5728

1.837 MeV (n,n') Level
Legendre Coefficients

57-La-139



96

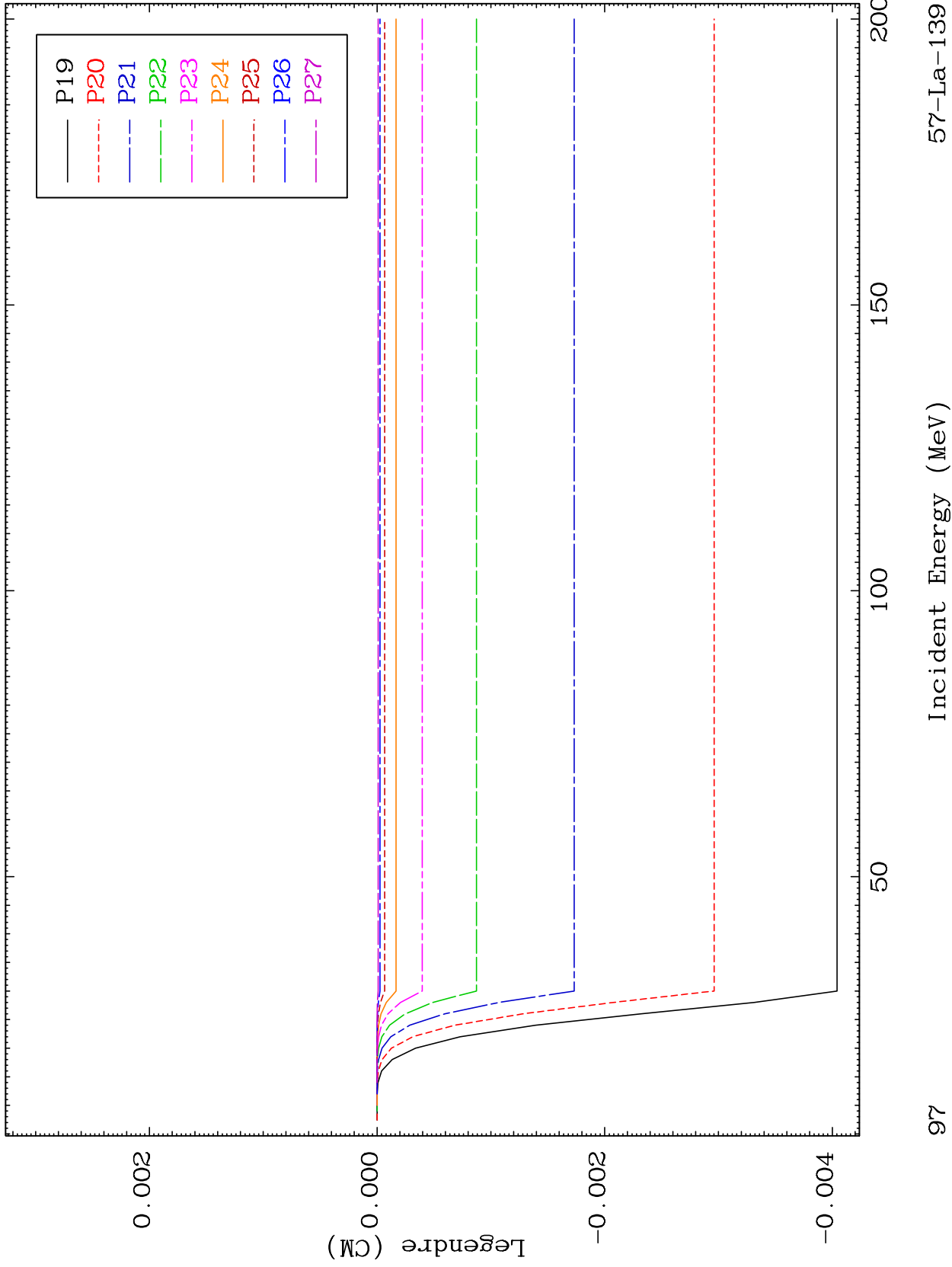
Incident Energy (MeV)

57-La-139

MAT 5728

1.837 MeV (n,n') Level
Legendre Coefficients

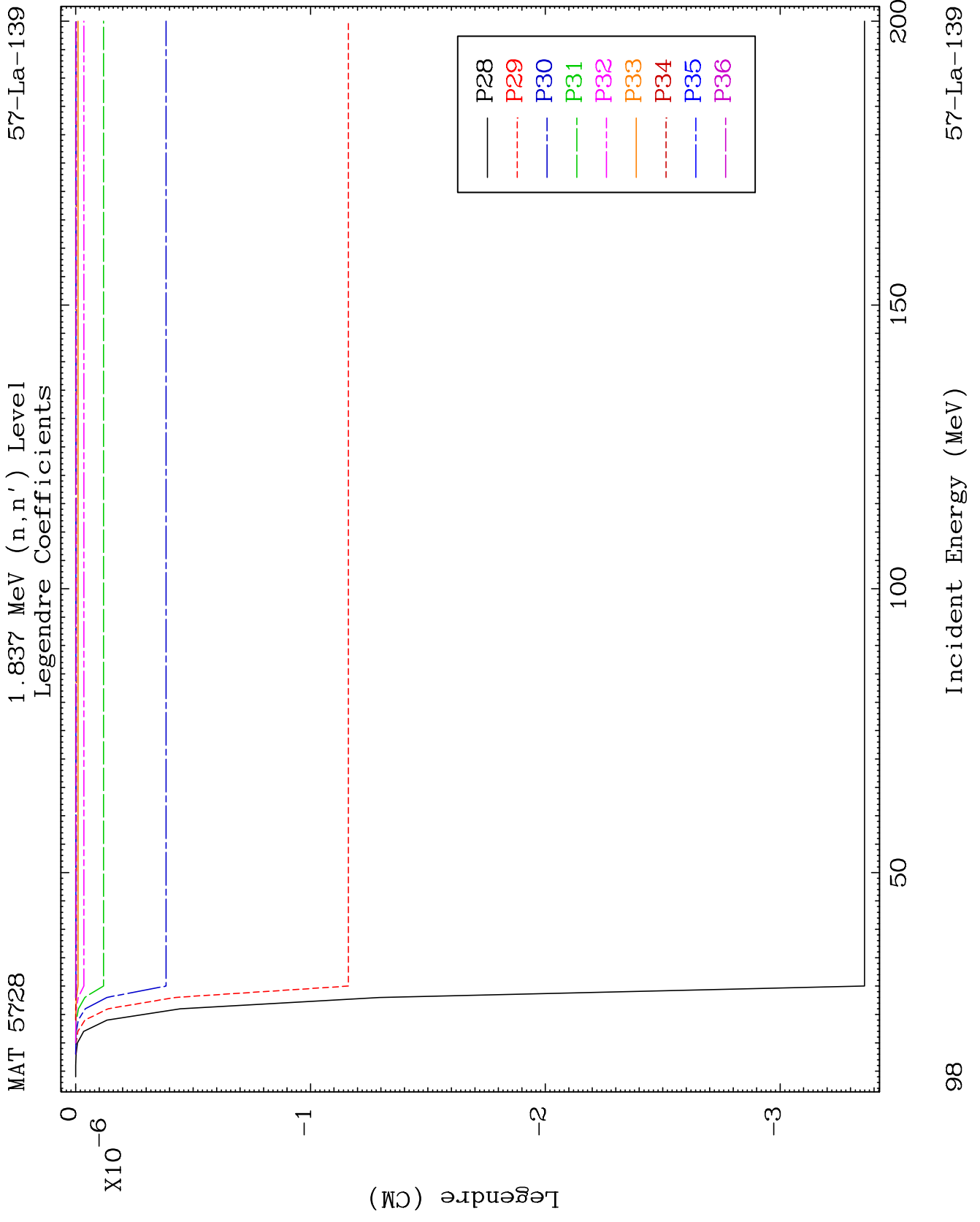
57-La-139



97

Incident Energy (MeV)

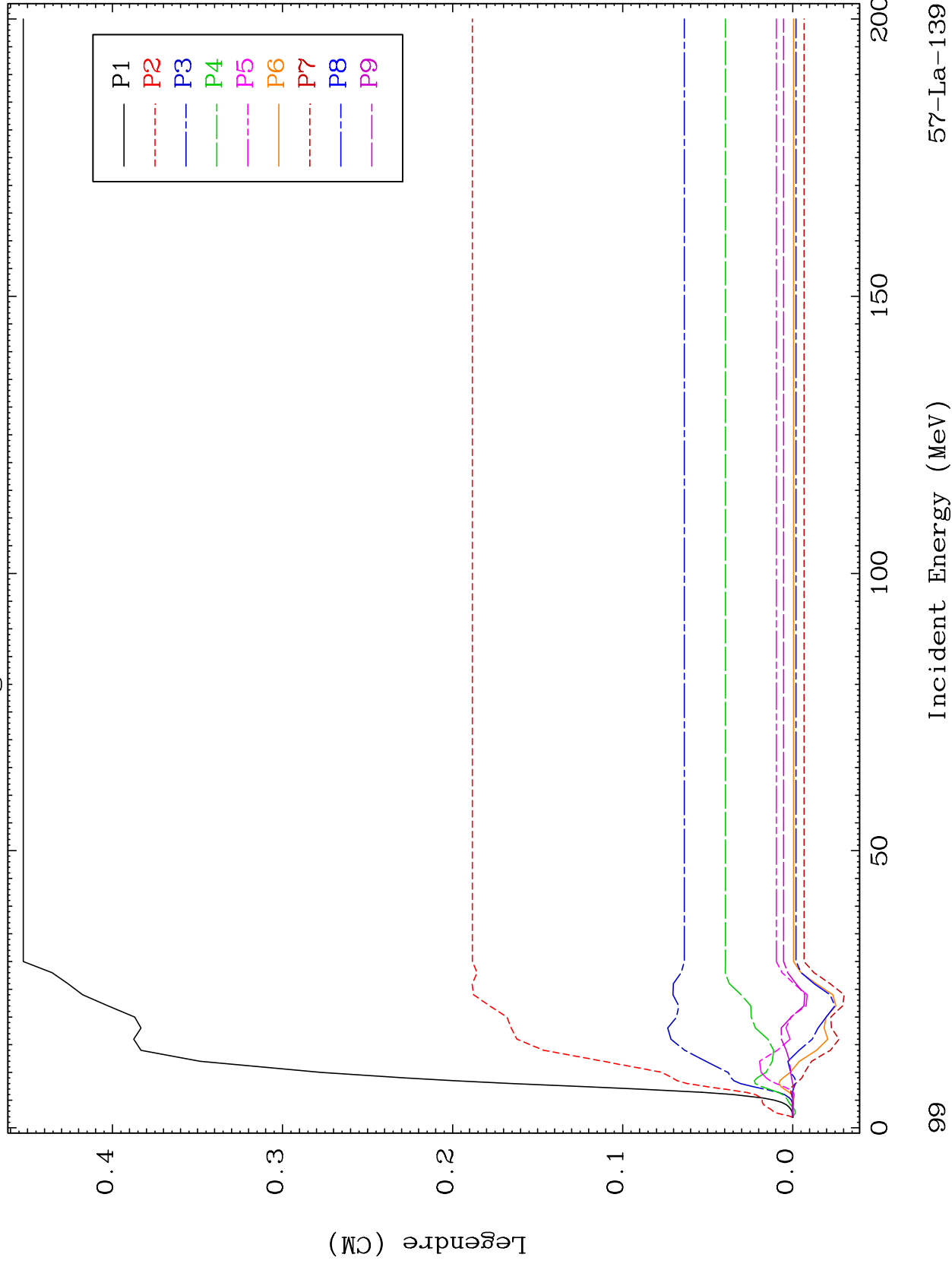
57-La-139



MAT 5728

1.856 MeV (n,n') Level
Legendre Coefficients

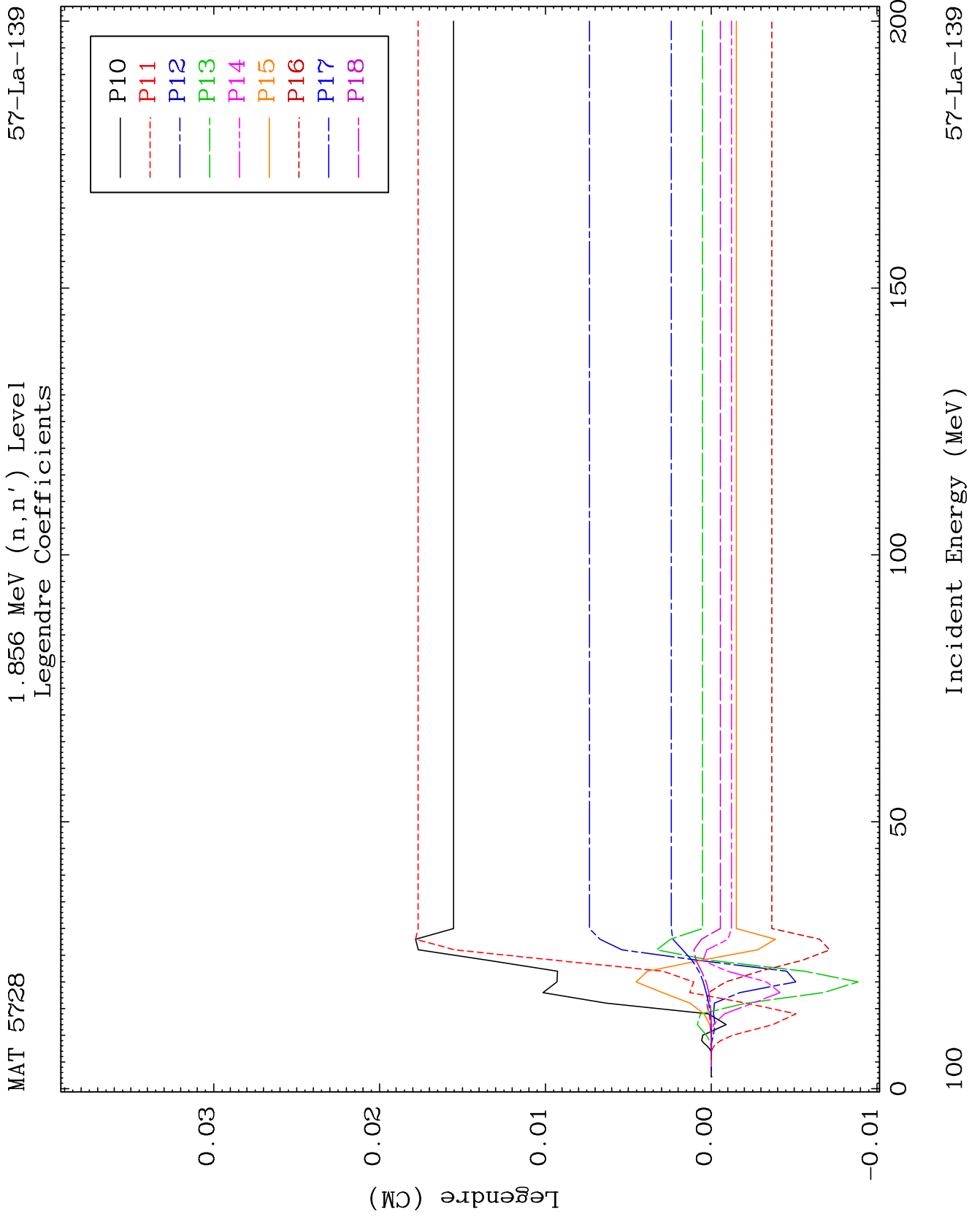
57-La-139



57-La-139

Incident Energy (MeV)

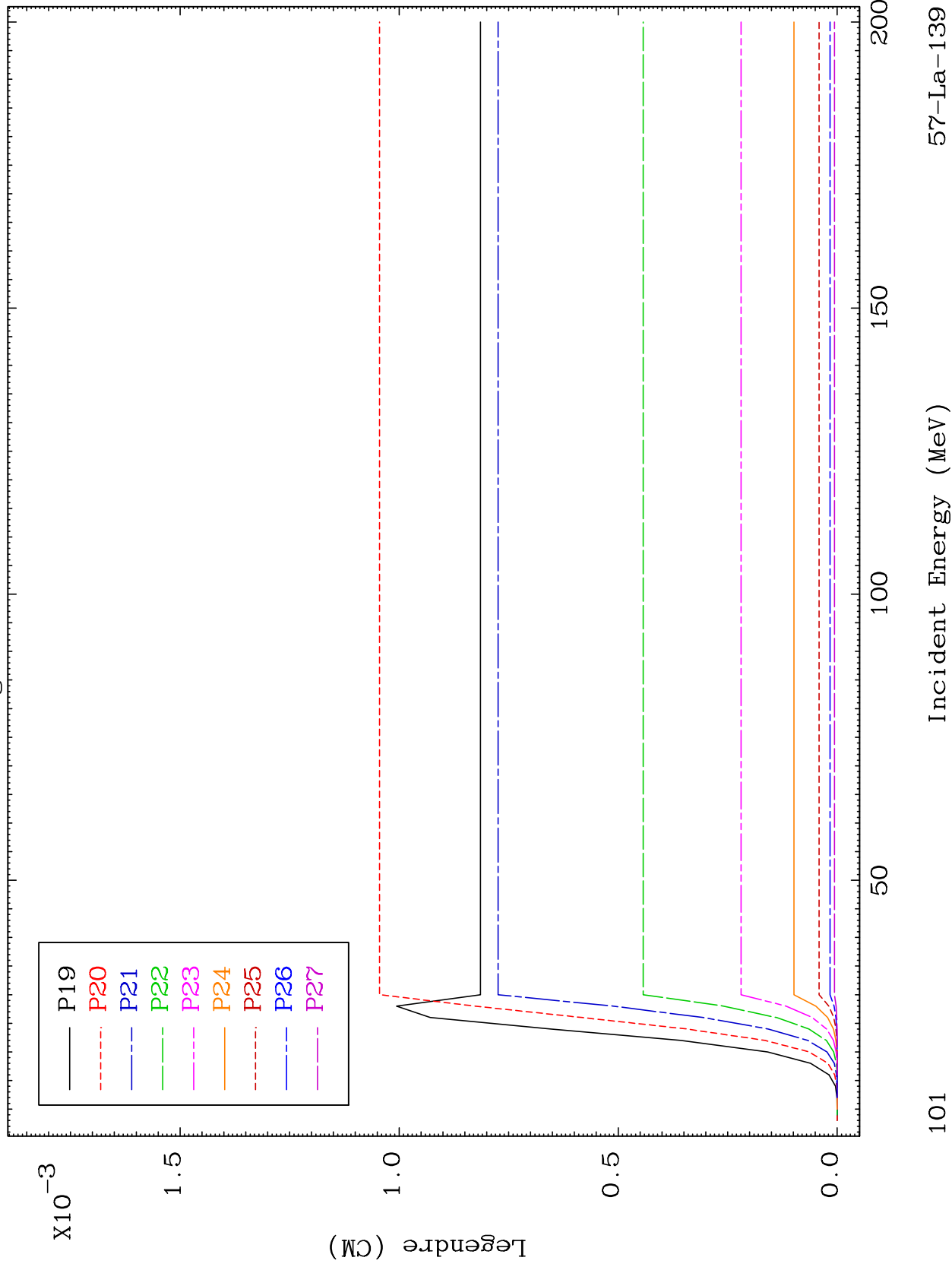
99



MAT 5728

1.856 MeV (n,n') Level
Legendre Coefficients

57-La-139

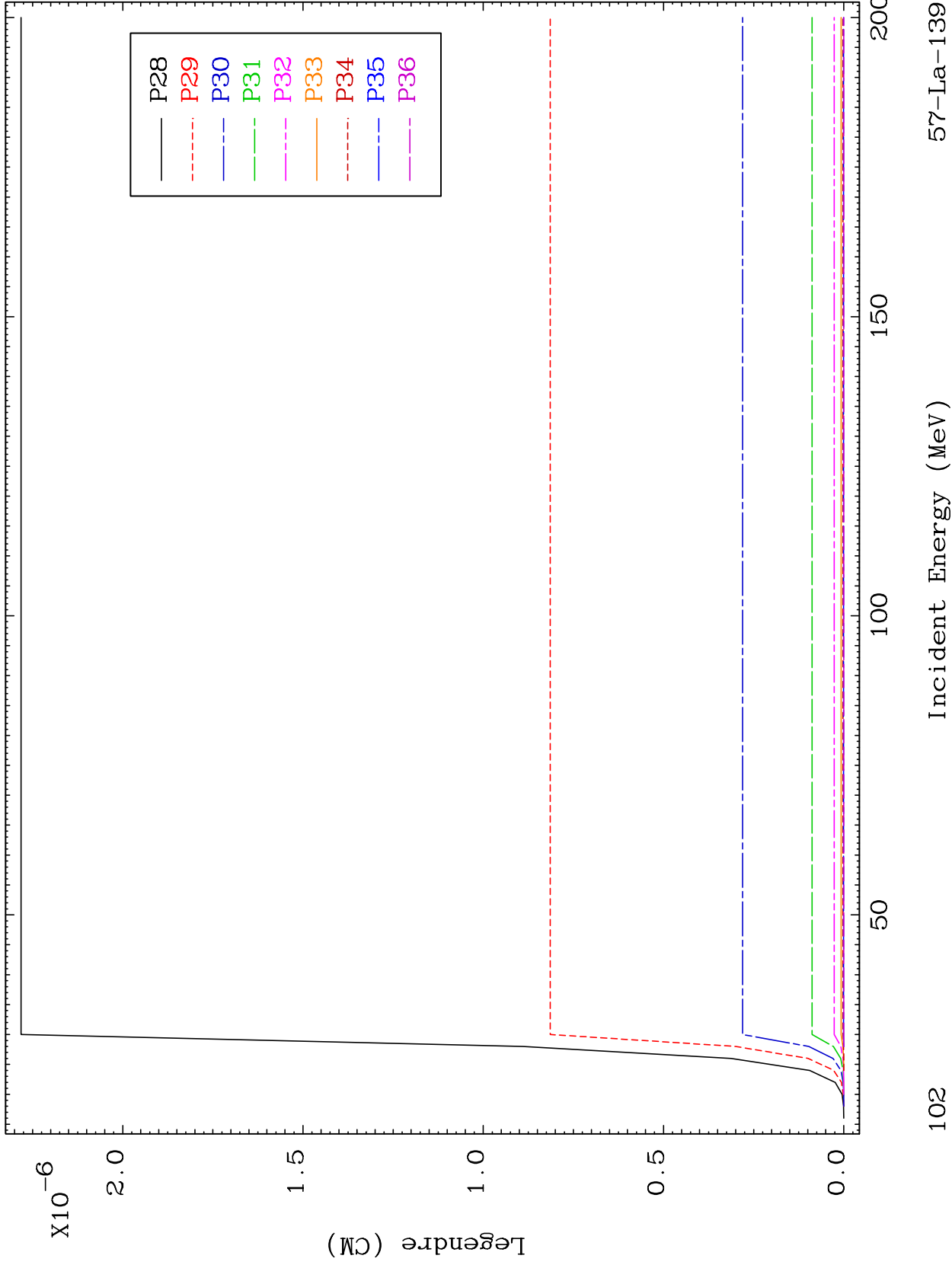


101

MAT 5728

1.856 MeV (n,n') Level
Legendre Coefficients

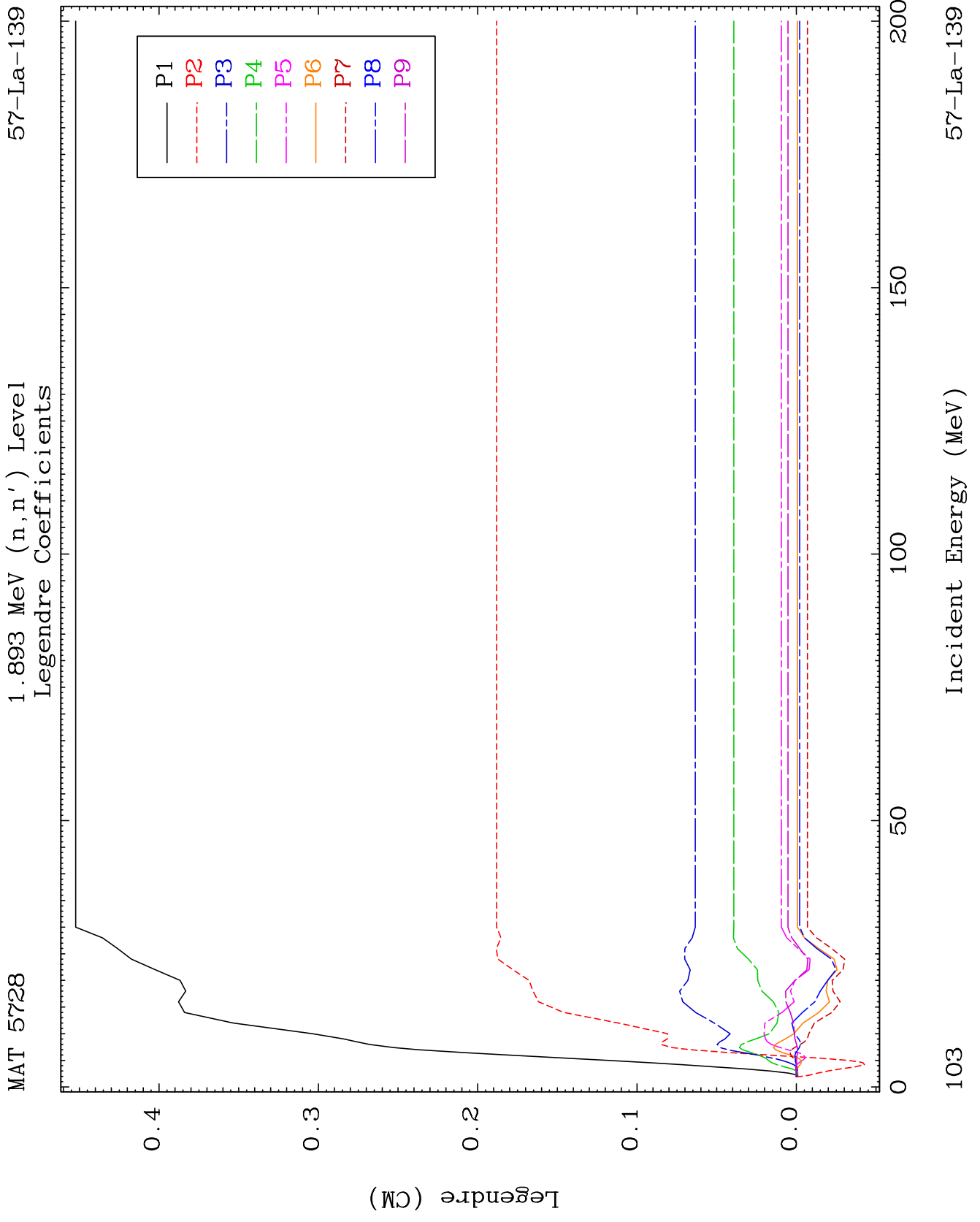
57-La-139



102

Incident Energy (MeV)

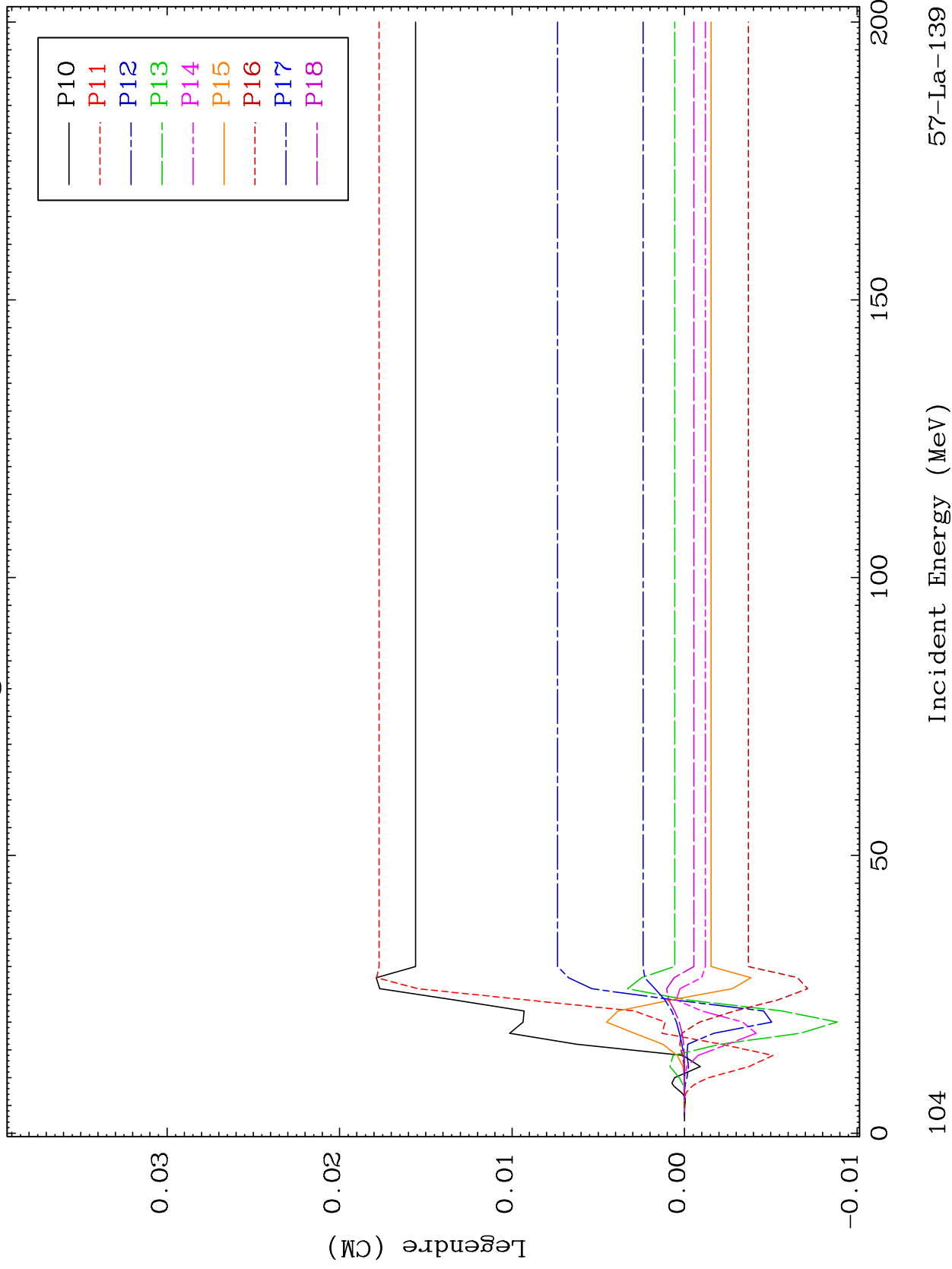
57-La-139



MAT 5728

1.893 MeV (n,n') Level
Legendre Coefficients

57-La-139



104

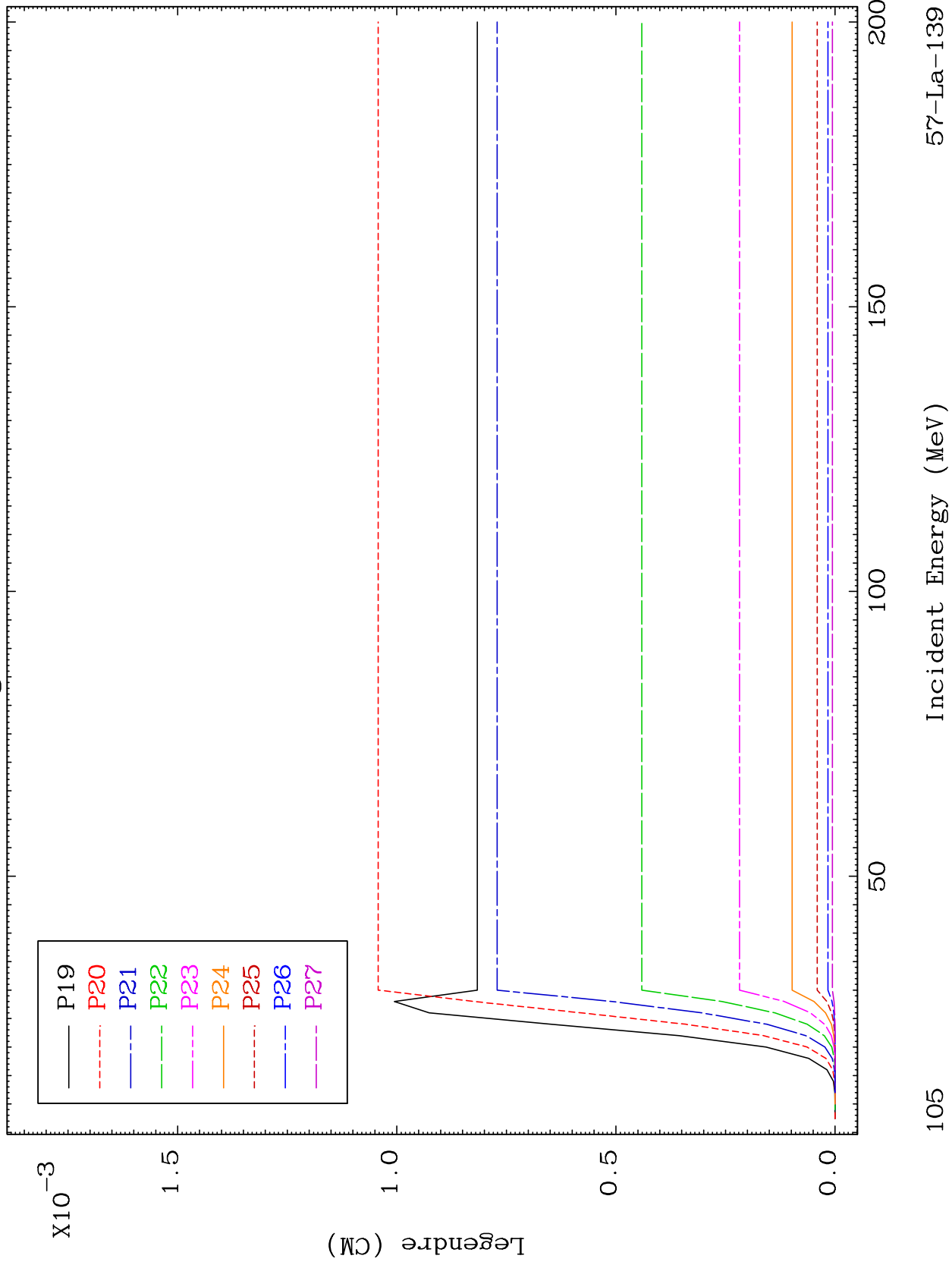
Incident Energy (MeV)

57-La-139

MAT 5728

1.893 MeV (n,n') Level
Legendre Coefficients

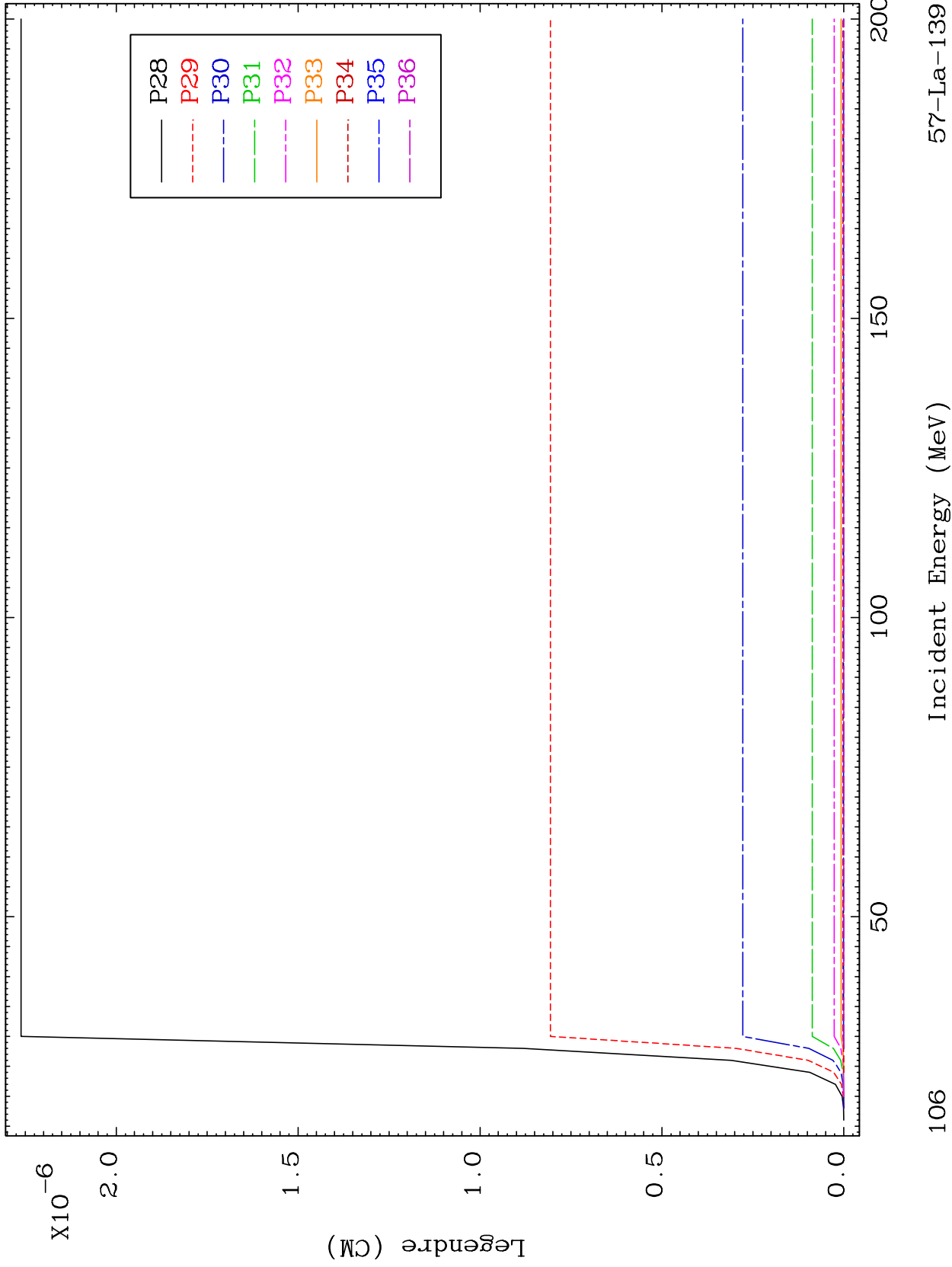
57-La-139



MAT 5728

1.893 MeV (n,n') Level
Legendre Coefficients

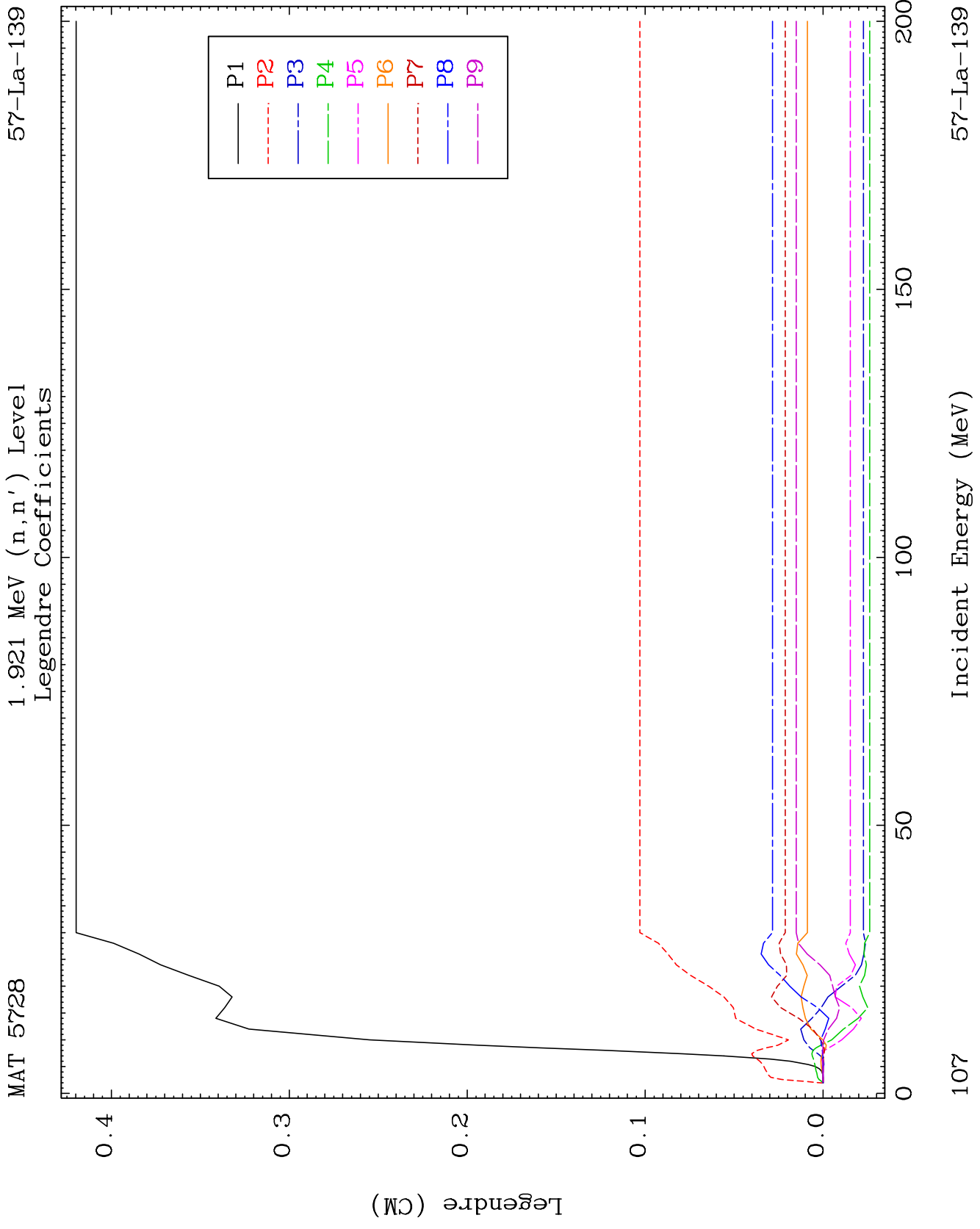
57-La-139



106

Incident Energy (MeV)

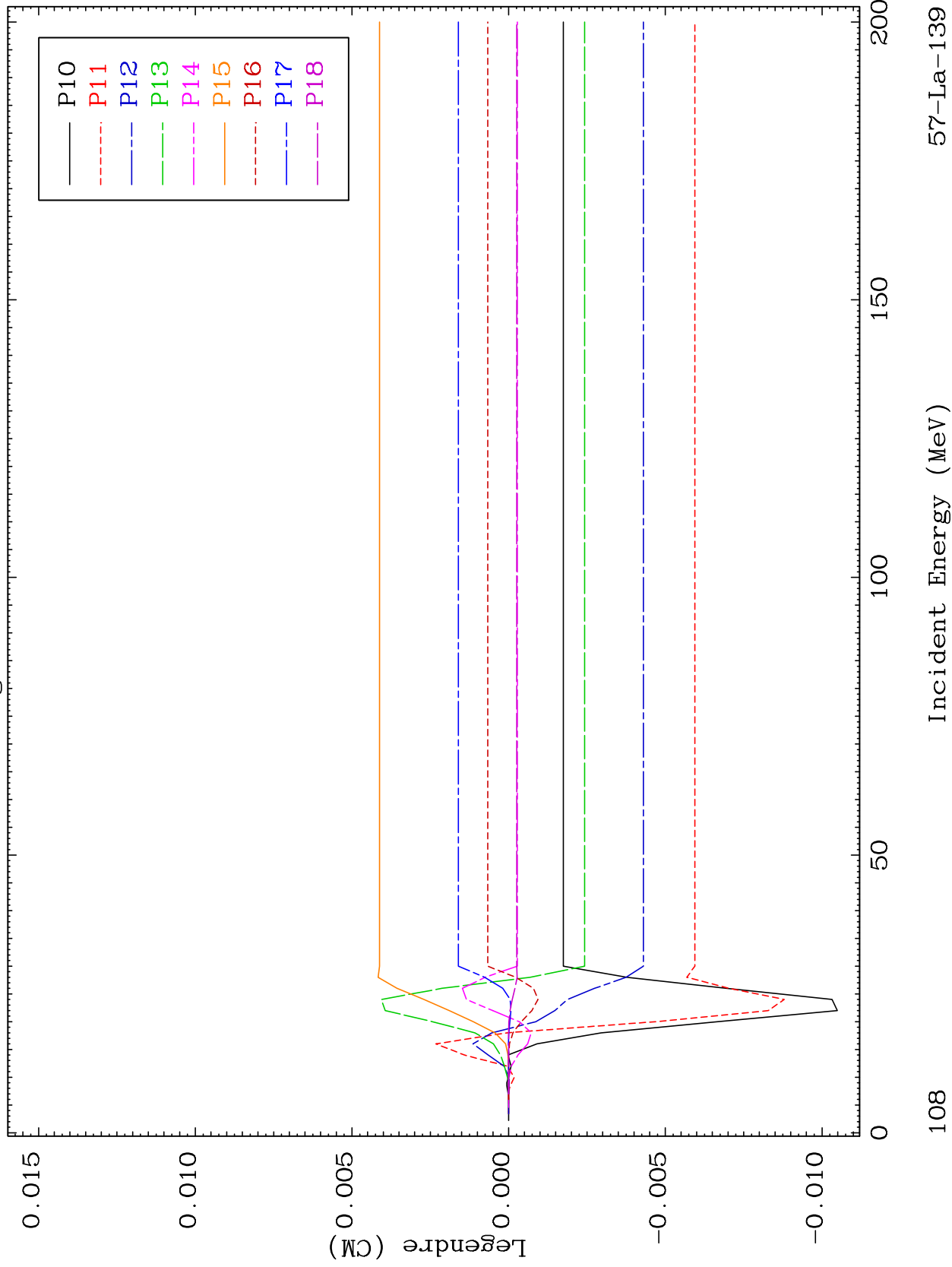
57-La-139

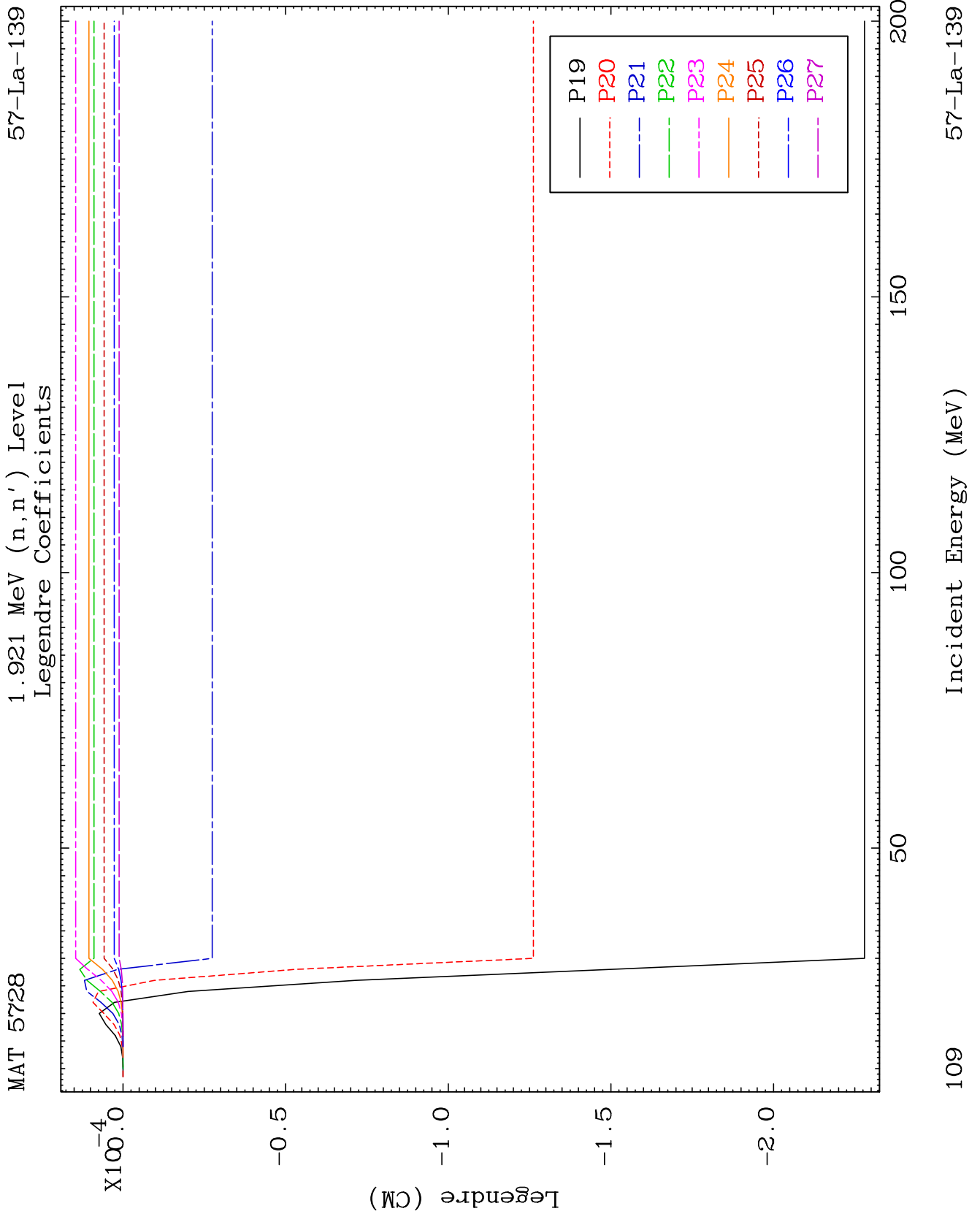


MAT 5728

1.921 MeV (n,n') Level
Legendre Coefficients

57-La-139

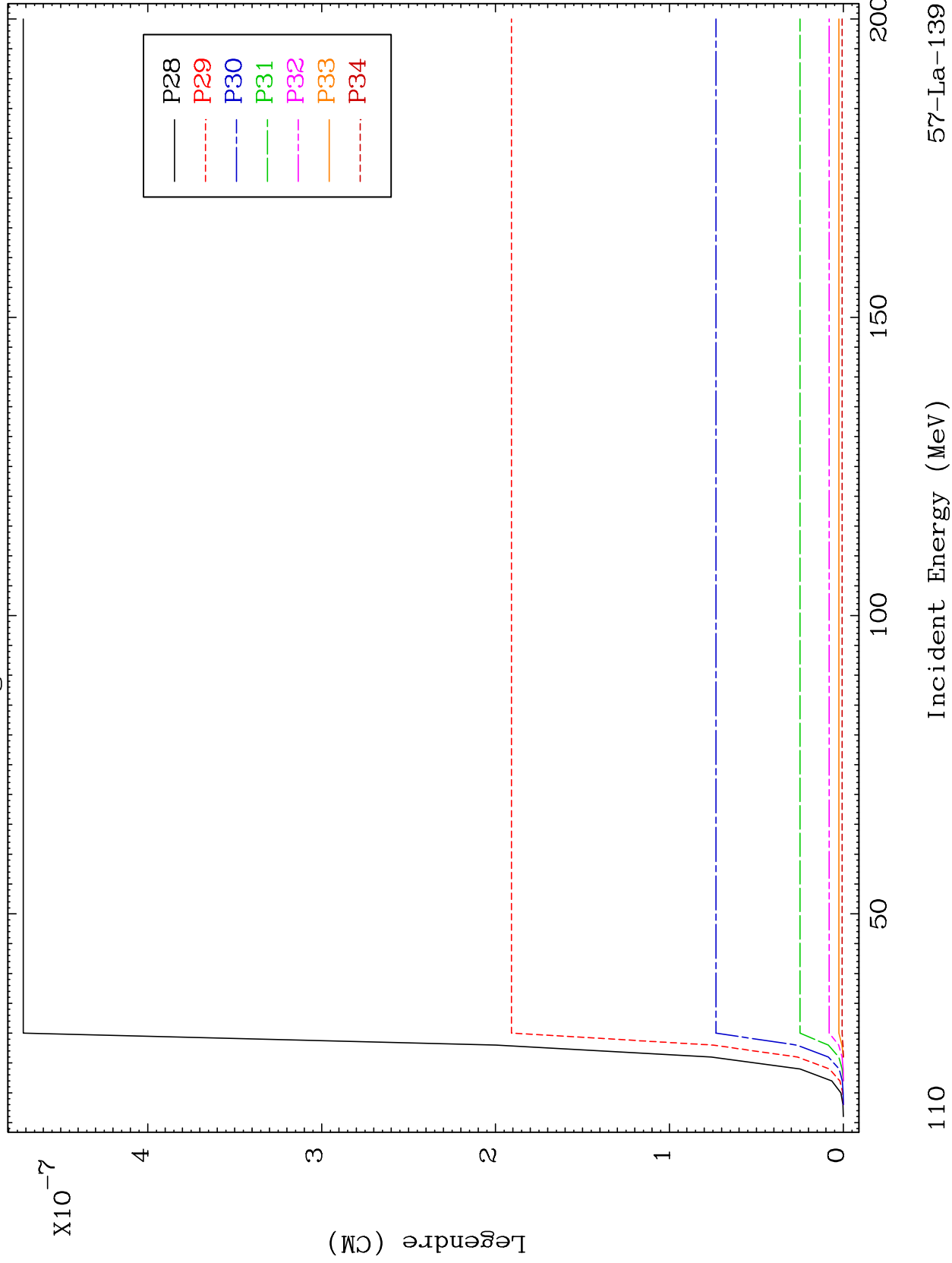




MAT 5728

1.921 MeV (n,n') Level
Legendre Coefficients

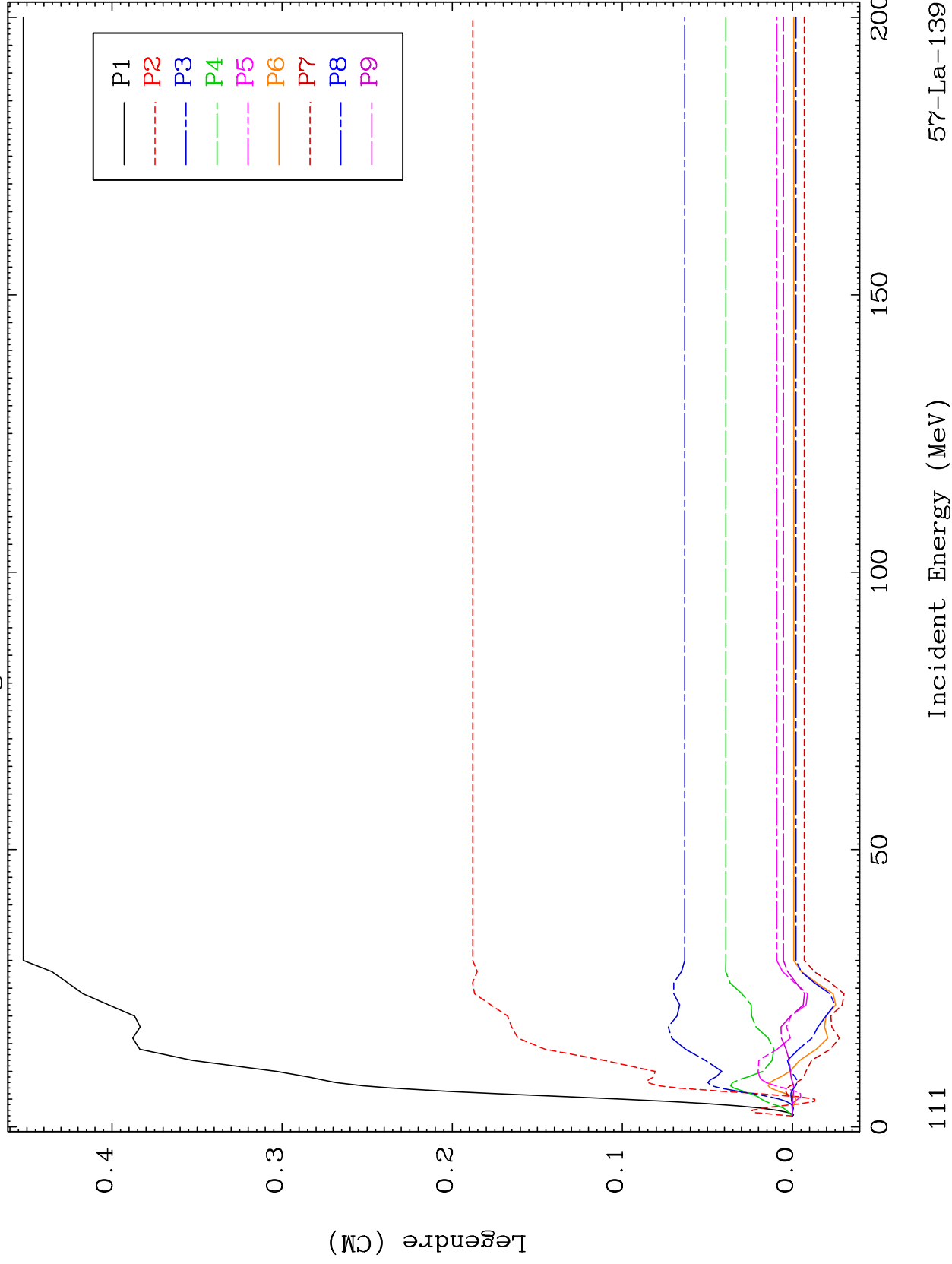
57-La-139



MAT 5728

1.941 MeV (n,n') Level
Legendre Coefficients

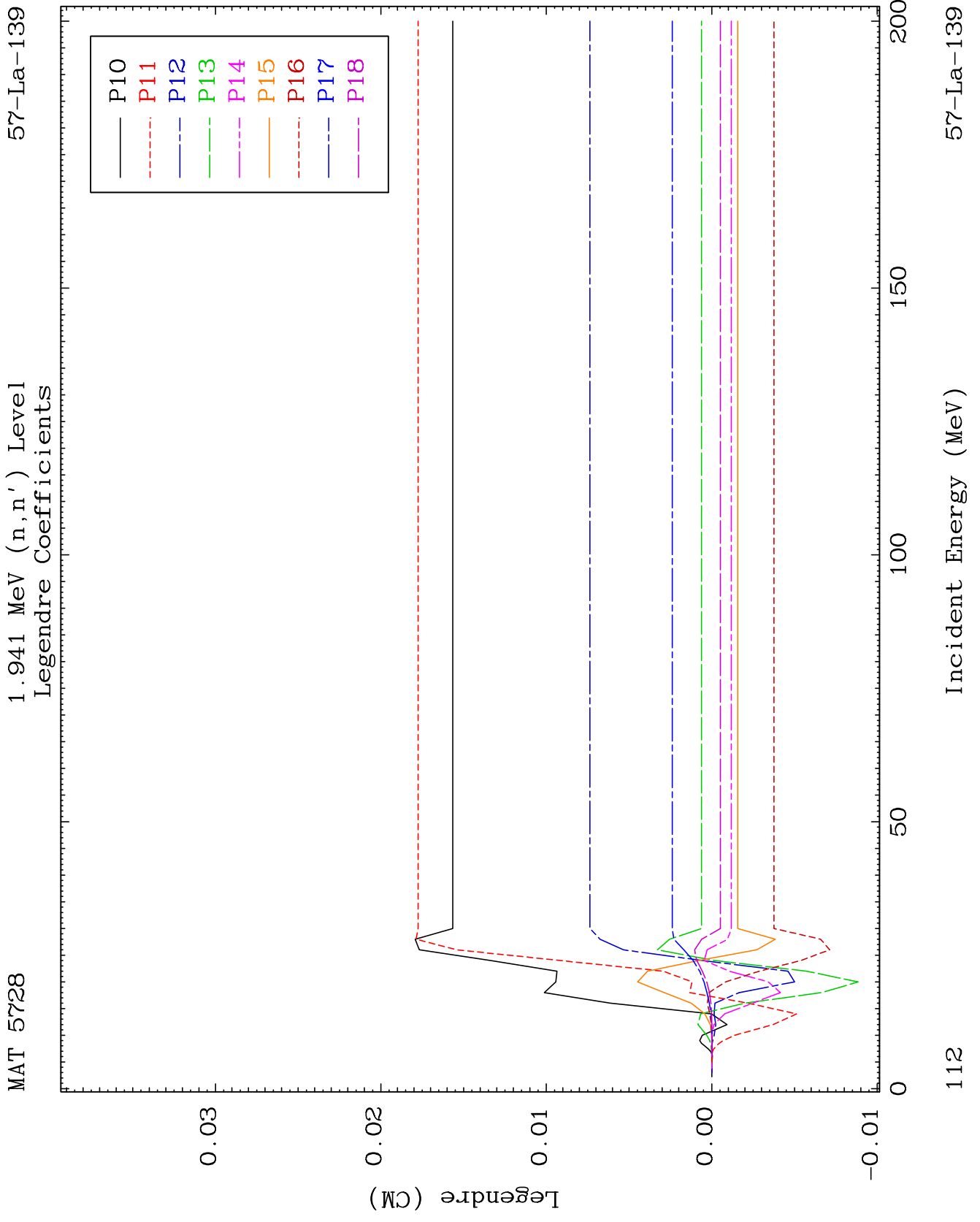
57-La-139



57-La-139

Incident Energy (MeV)

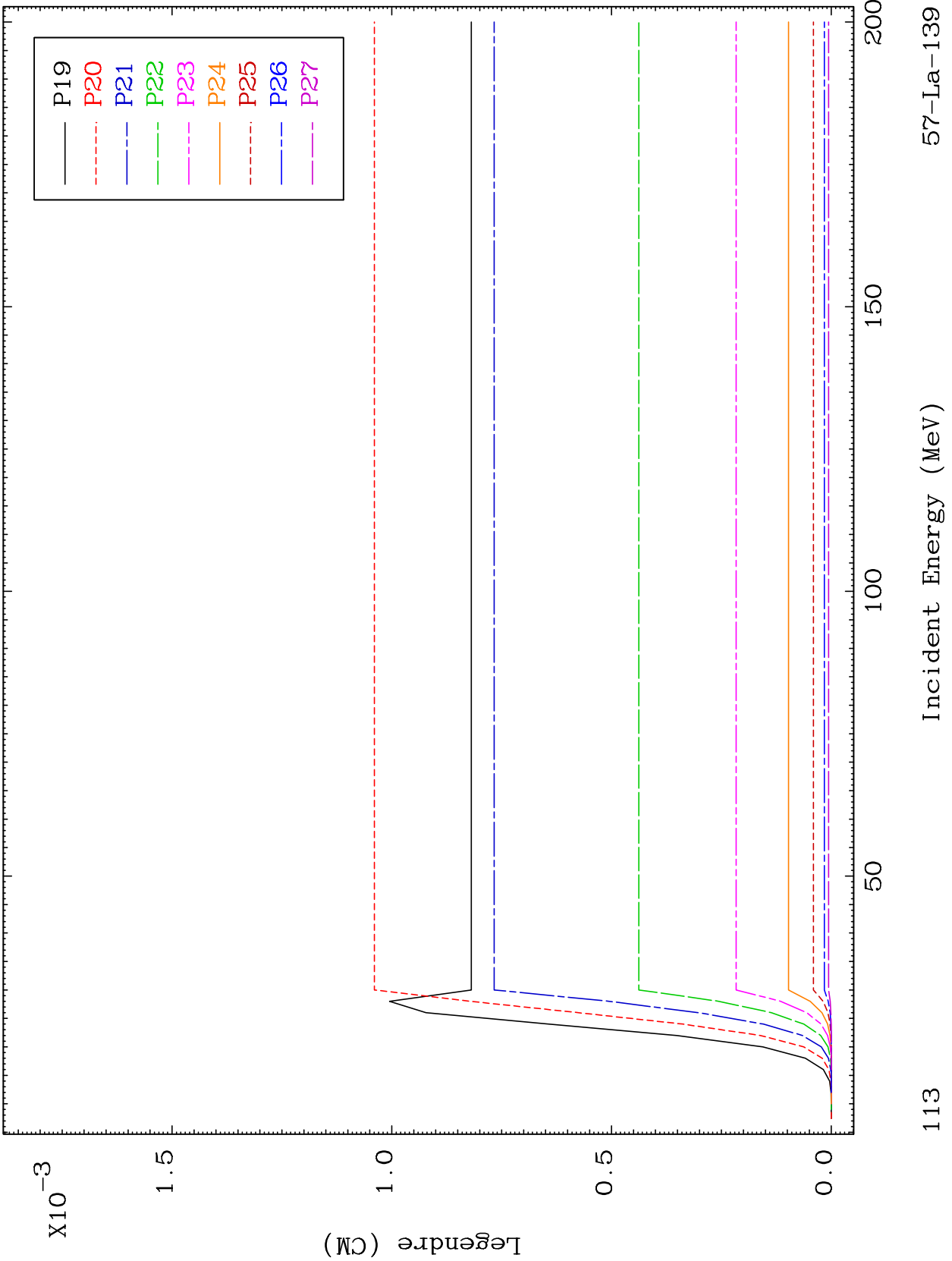
111



MAT 5728

1.941 MeV (n,n') Level
Legendre Coefficients

57-La-139



57-La-139

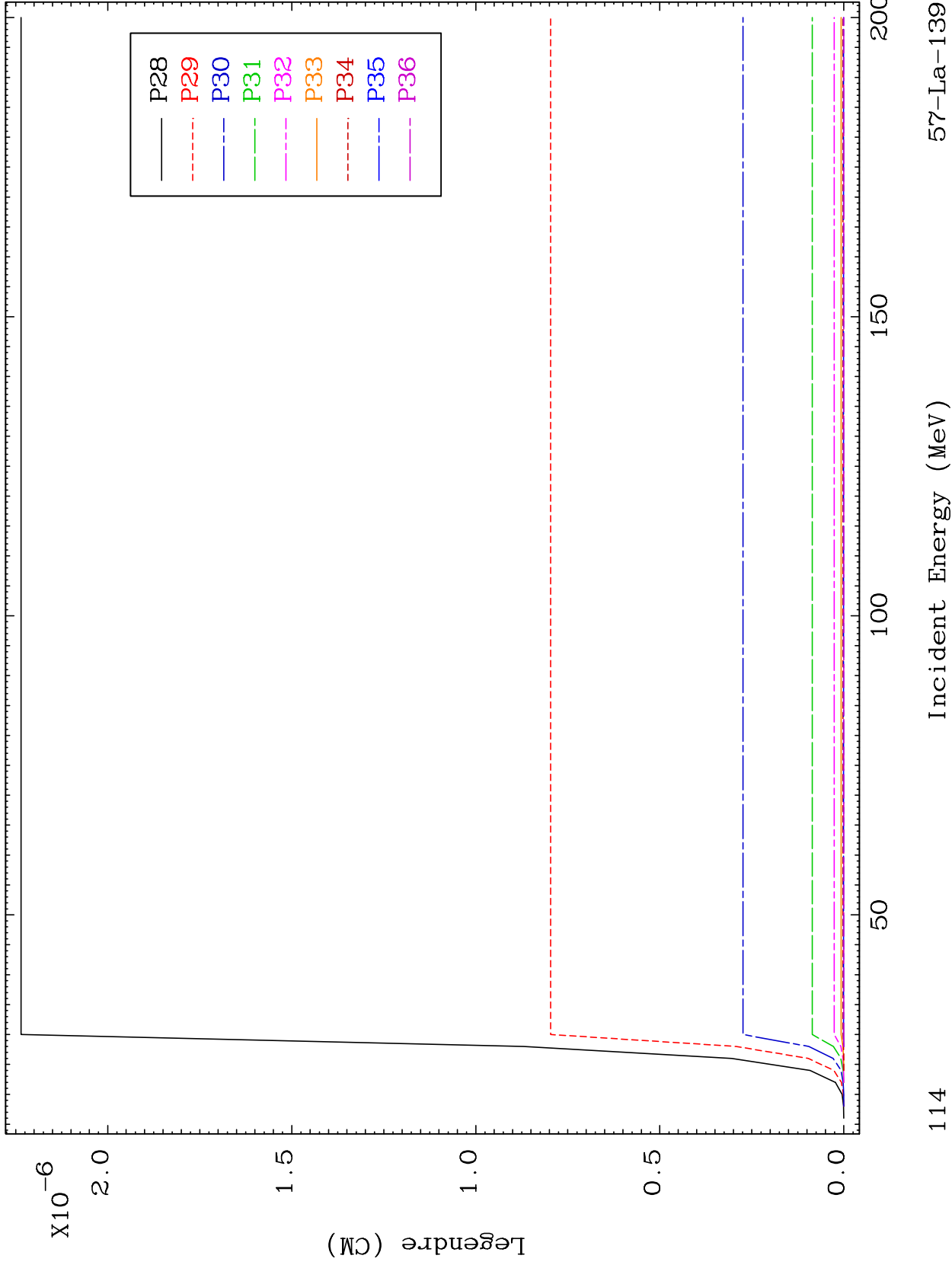
Incident Energy (MeV)

113

MAT 5728

1.941 MeV (n,n') Level
Legendre Coefficients

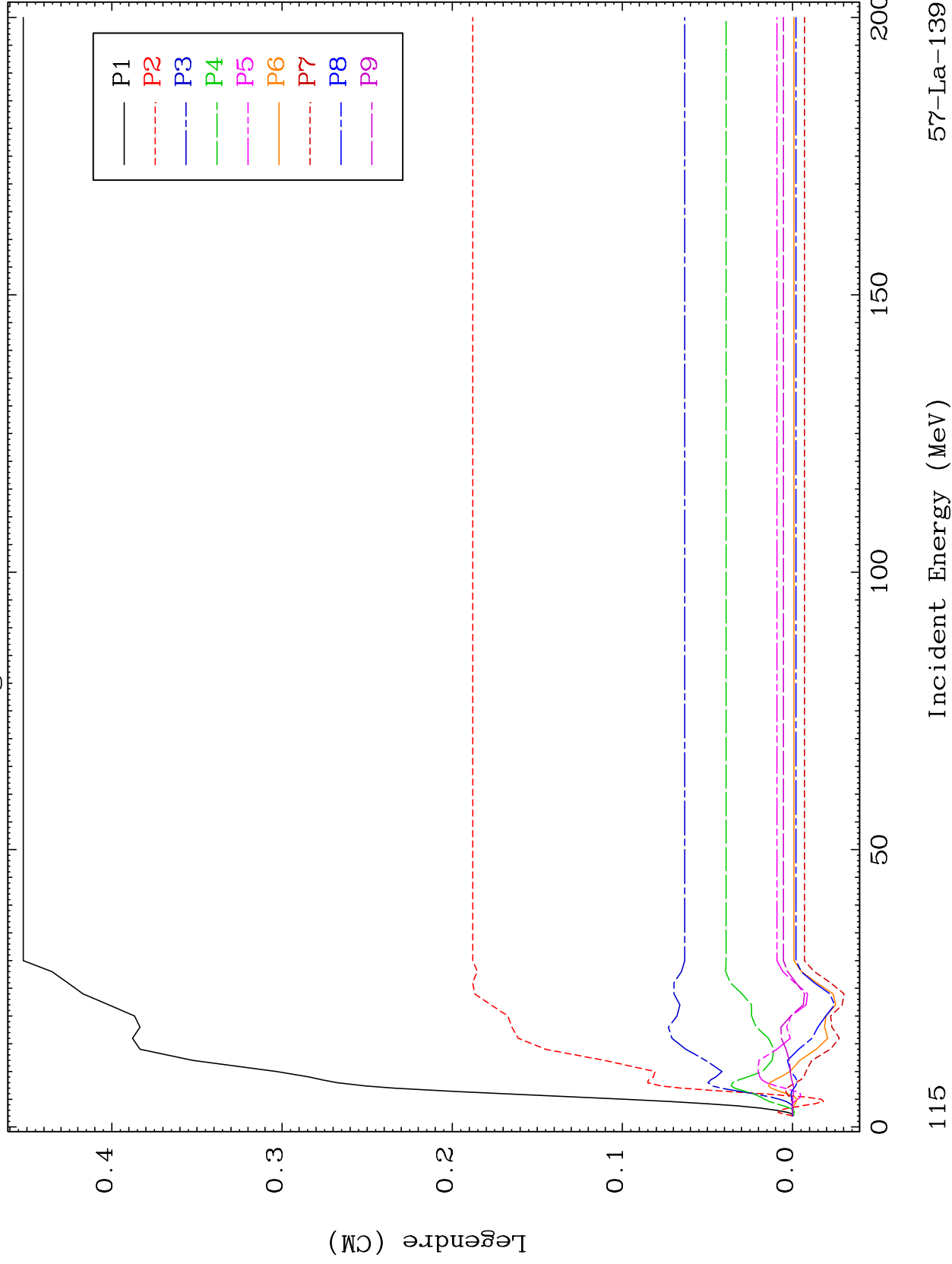
57-La-139



MAT 5728

1.963 MeV (n,n') Level
Legendre Coefficients

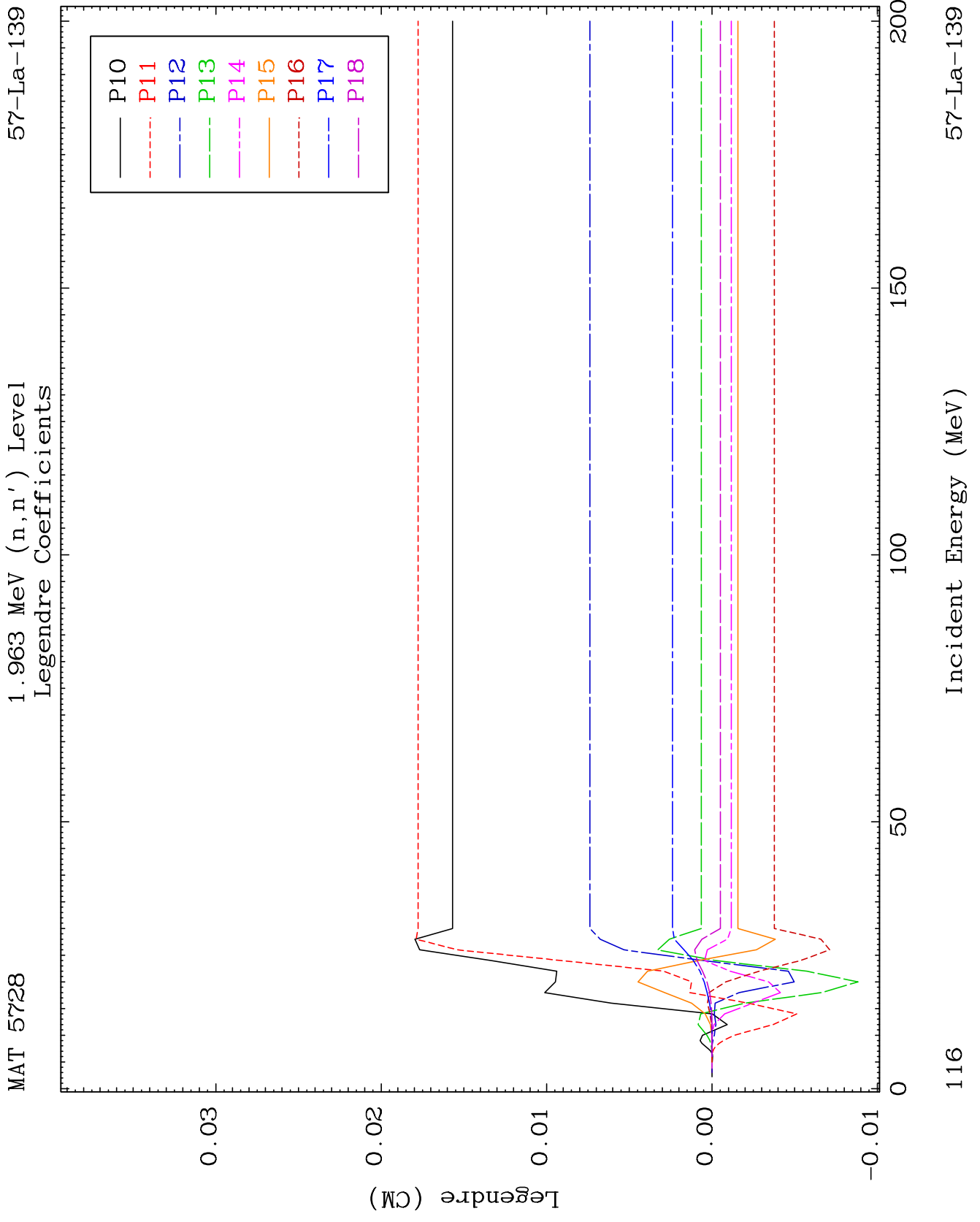
57-La-139

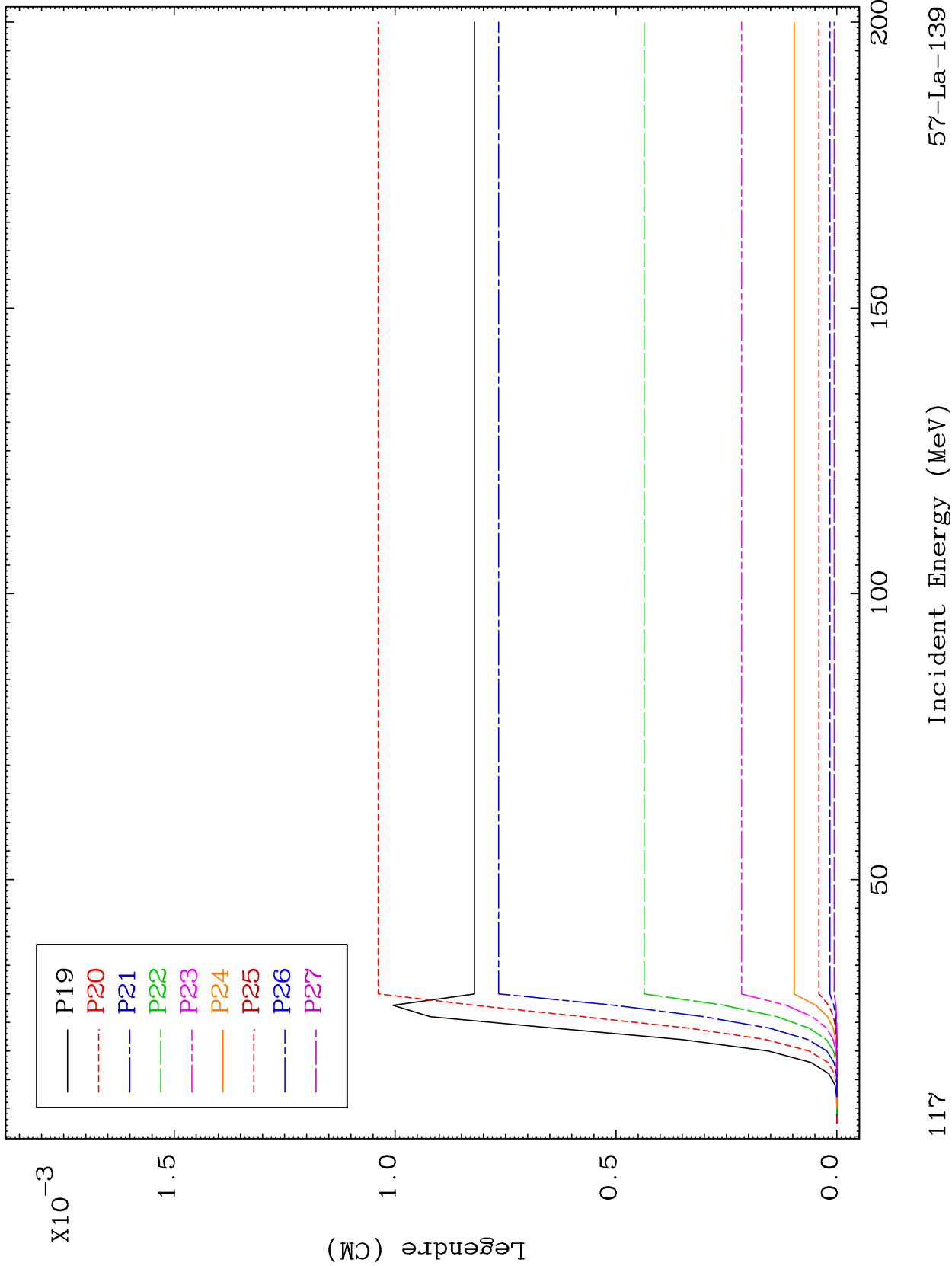


57-La-139

Incident Energy (MeV)

115

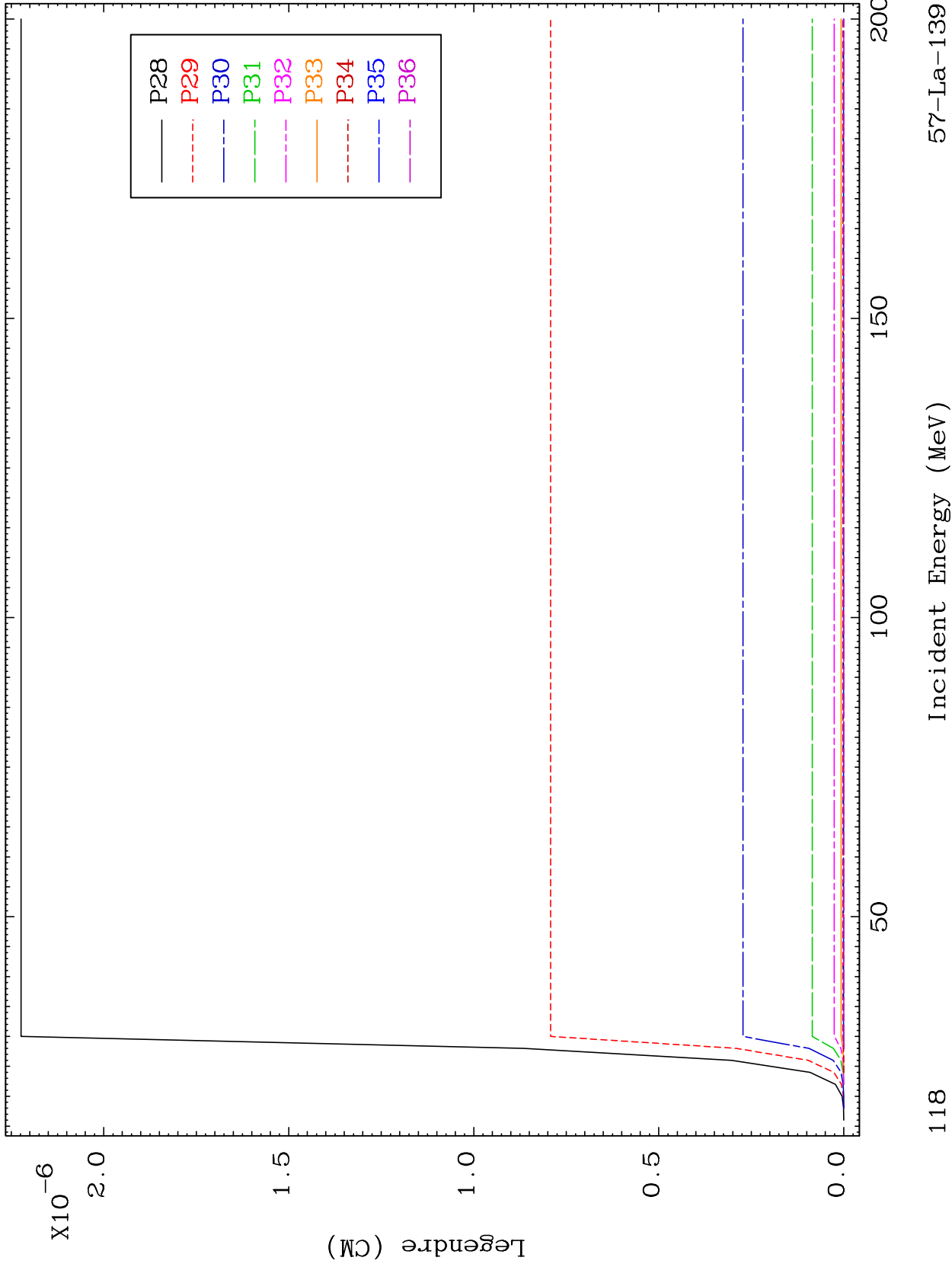




MAT 5728

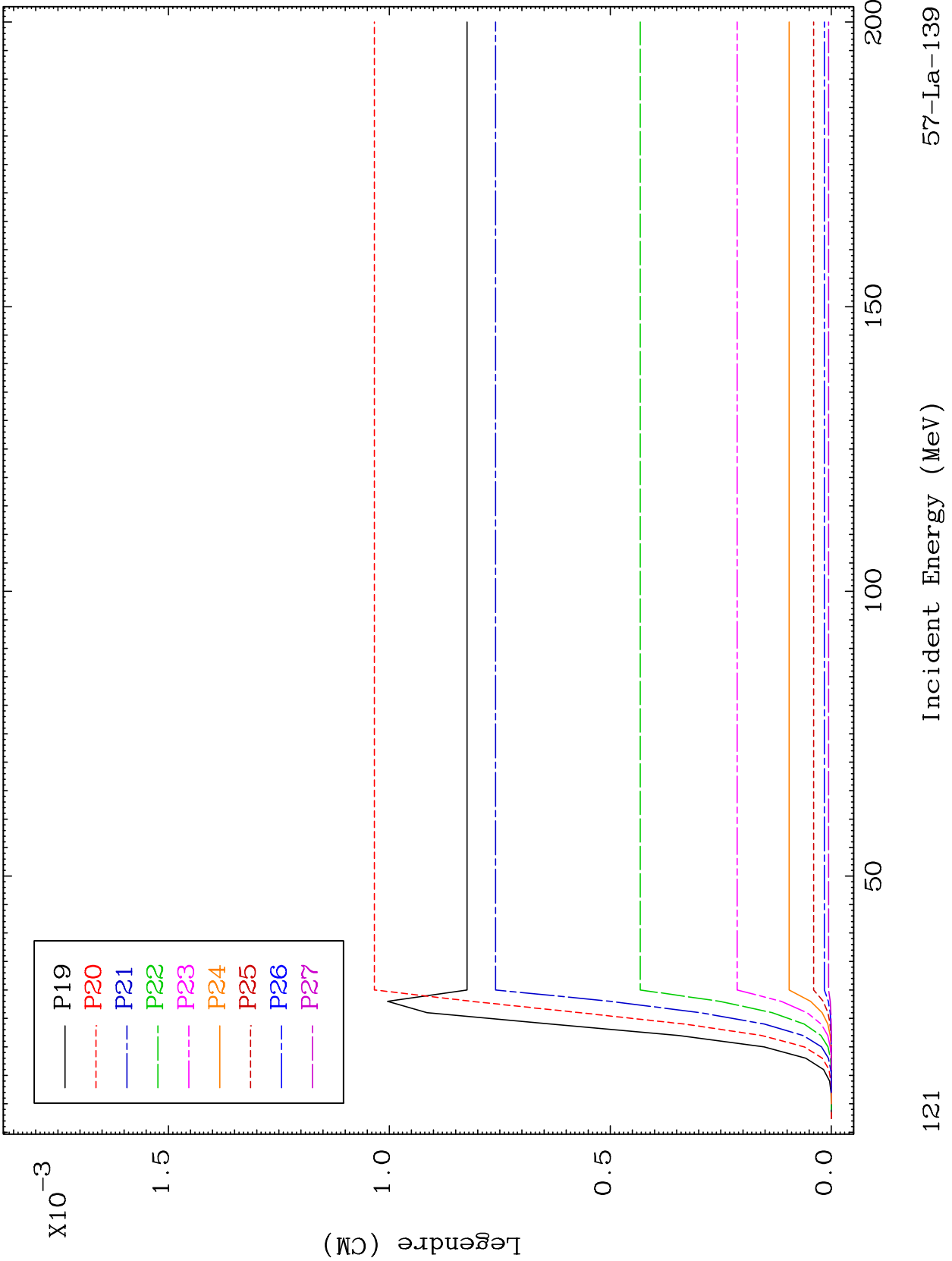
1.963 MeV (n,n') Level
Legendre Coefficients

57-La-139



118

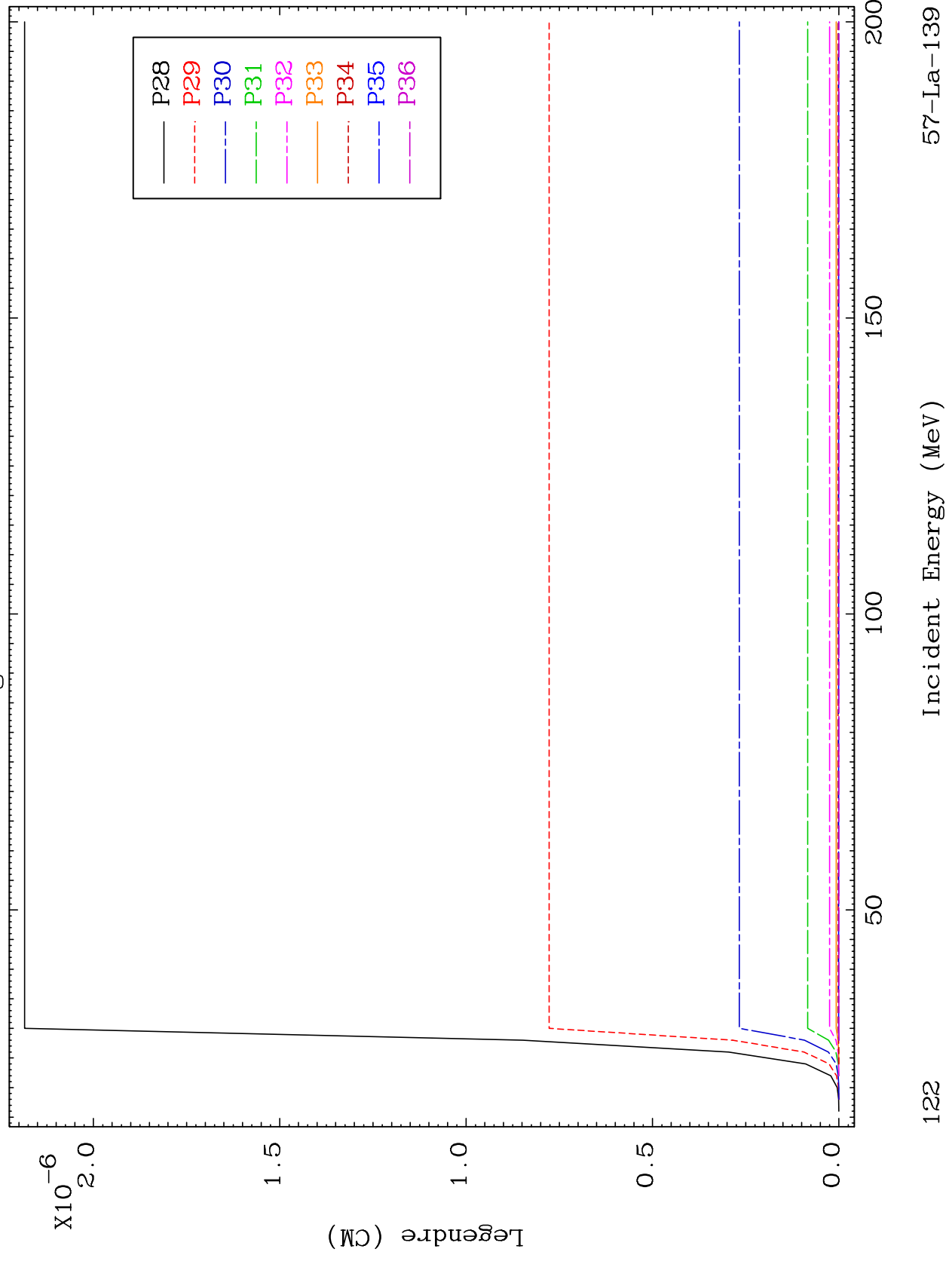
57-La-139



MAT 5728

2.035 MeV (n,n') Level
Legendre Coefficients

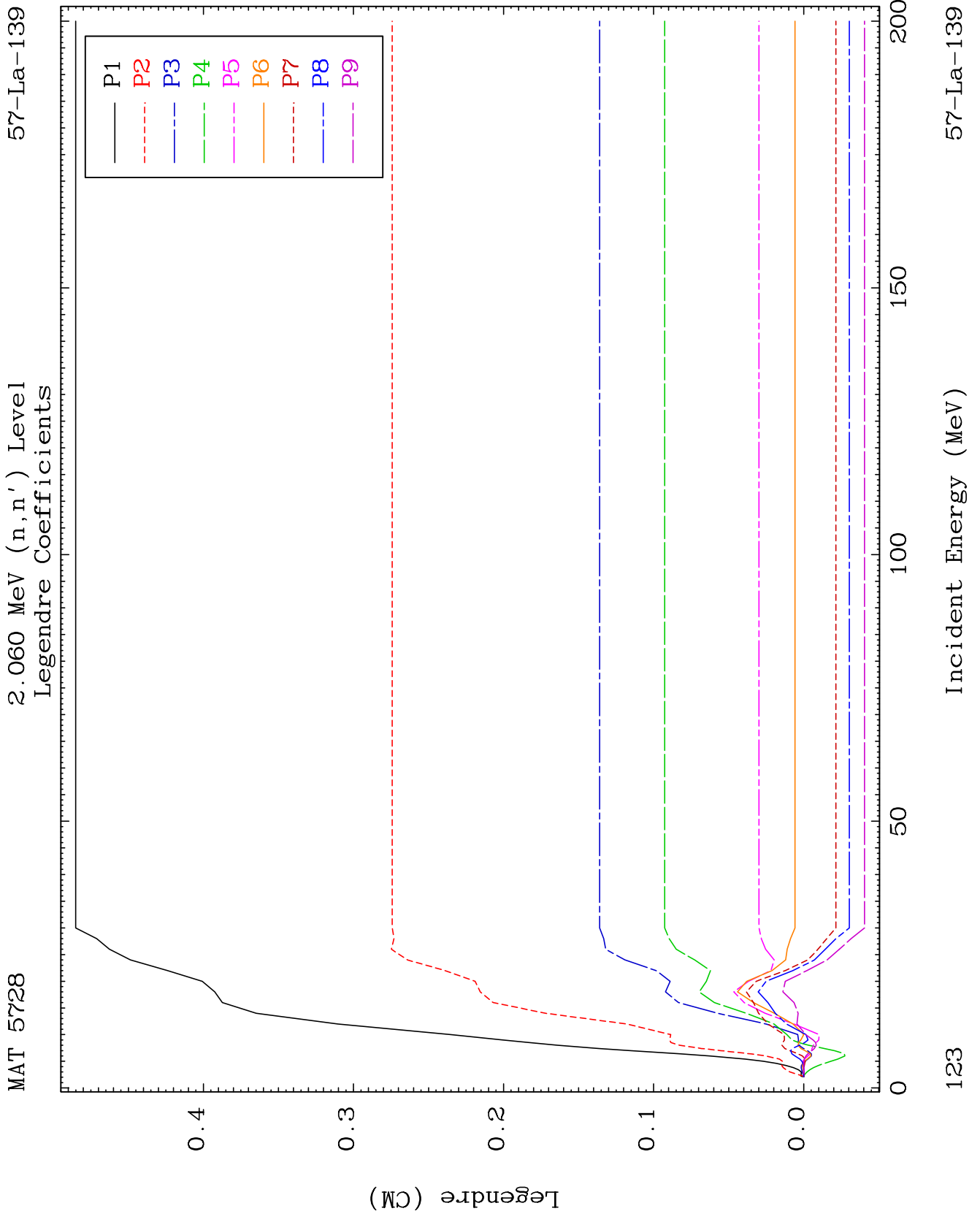
57-La-139

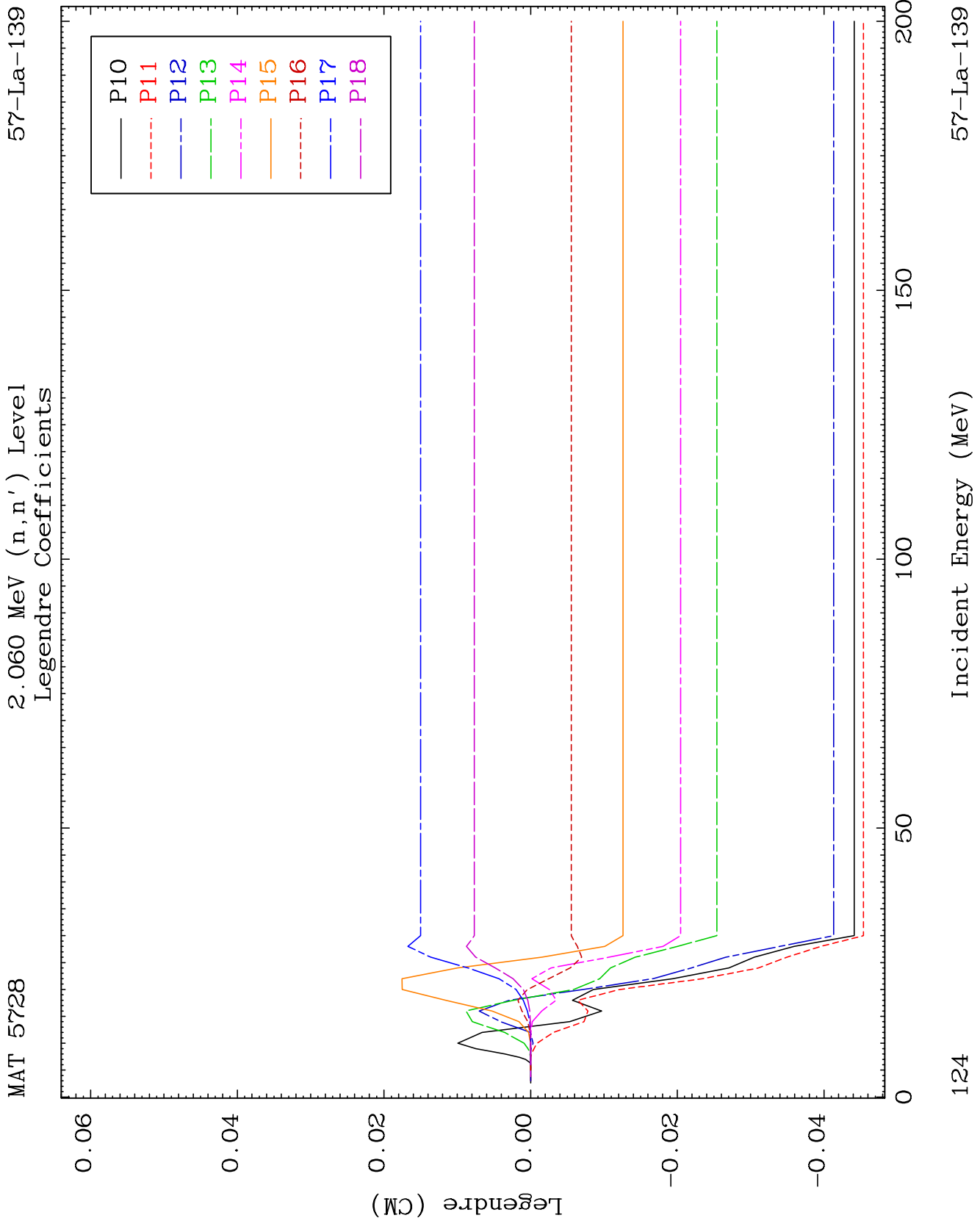


122

Incident Energy (MeV)

57-La-139

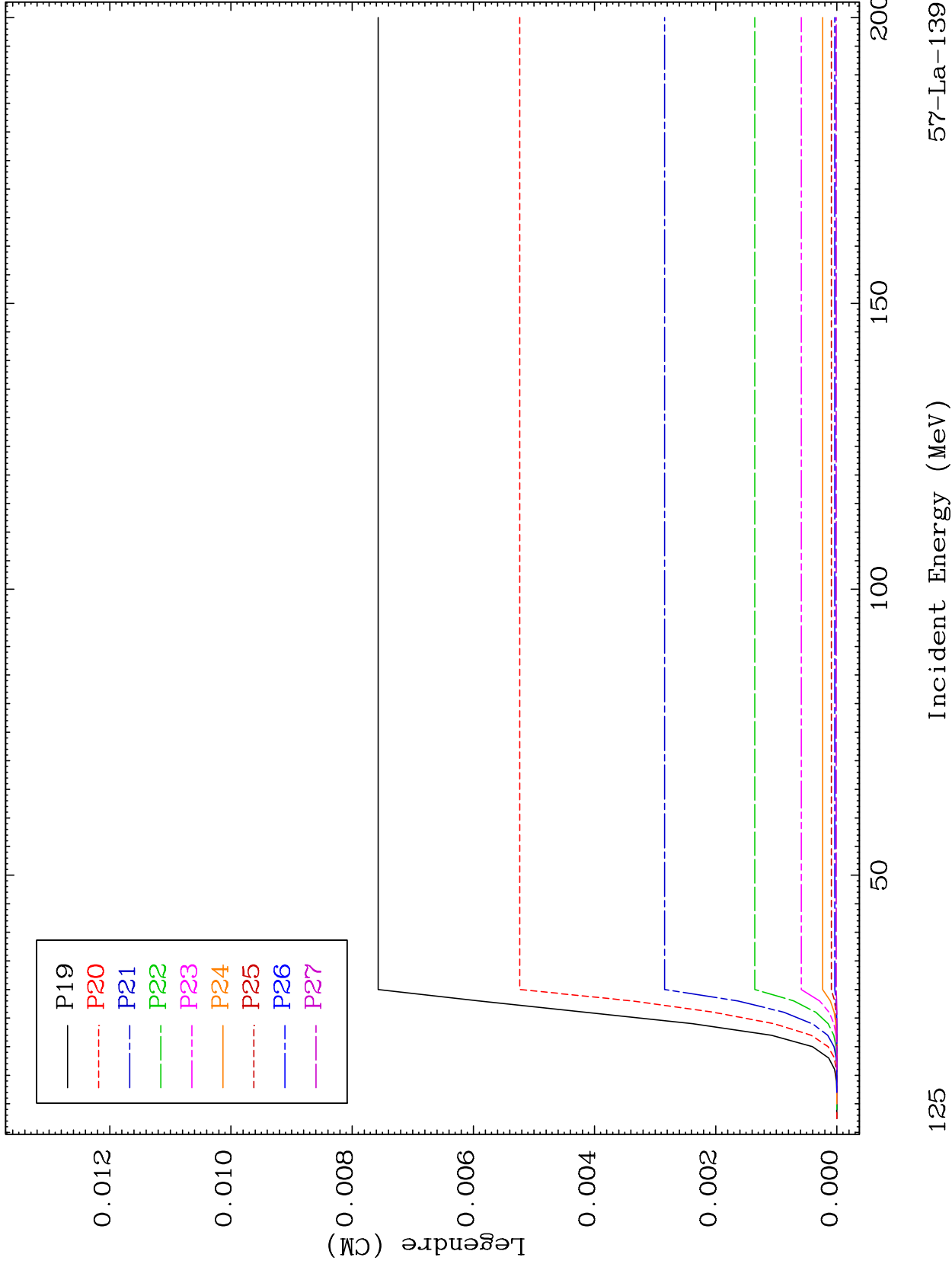




MAT 5728

2.060 MeV (n,n') Level
Legendre Coefficients

57-La-139



125

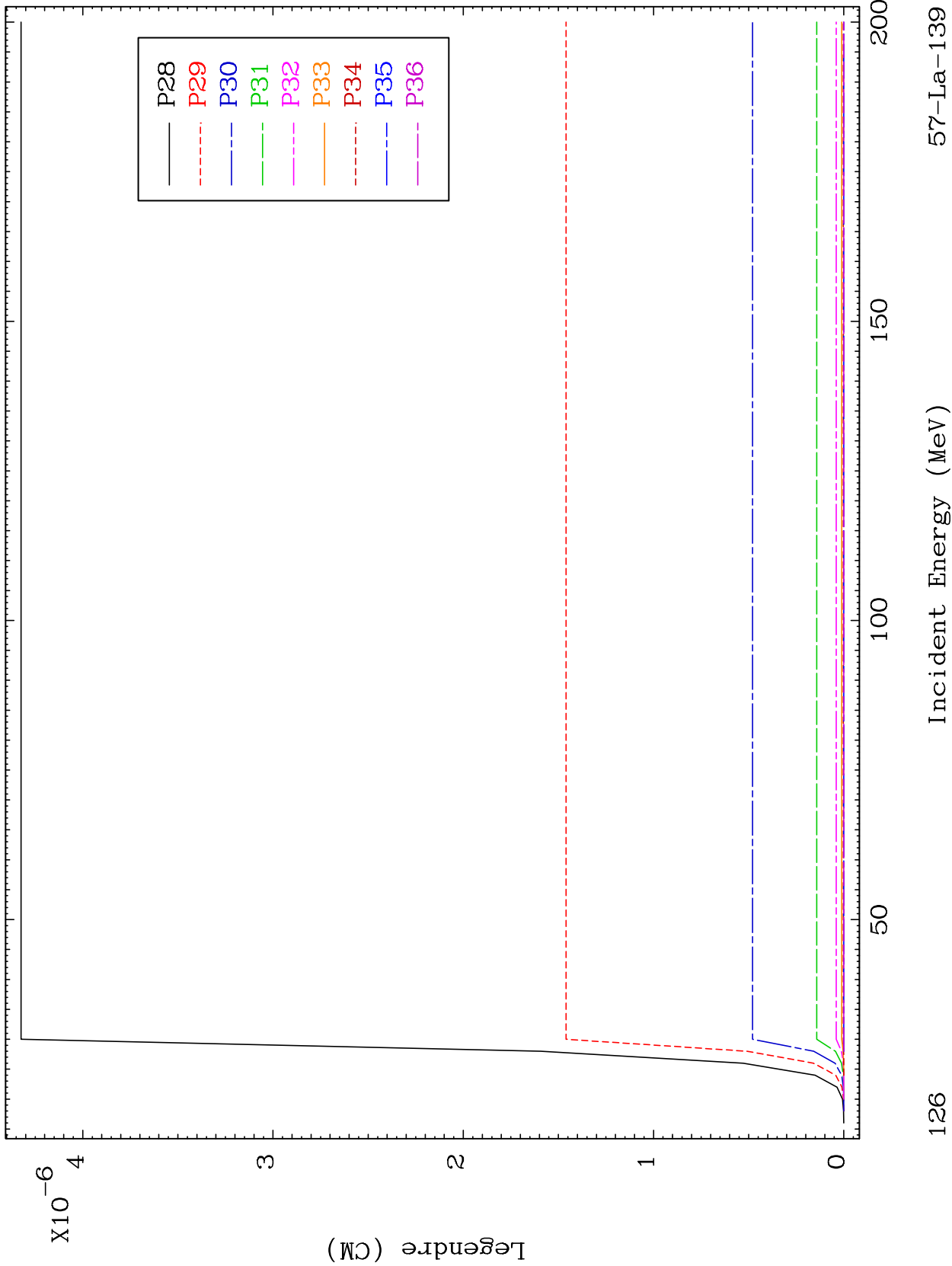
Incident Energy (MeV)

57-La-139

MAT 5728

2.060 MeV (n,n') Level
Legendre Coefficients

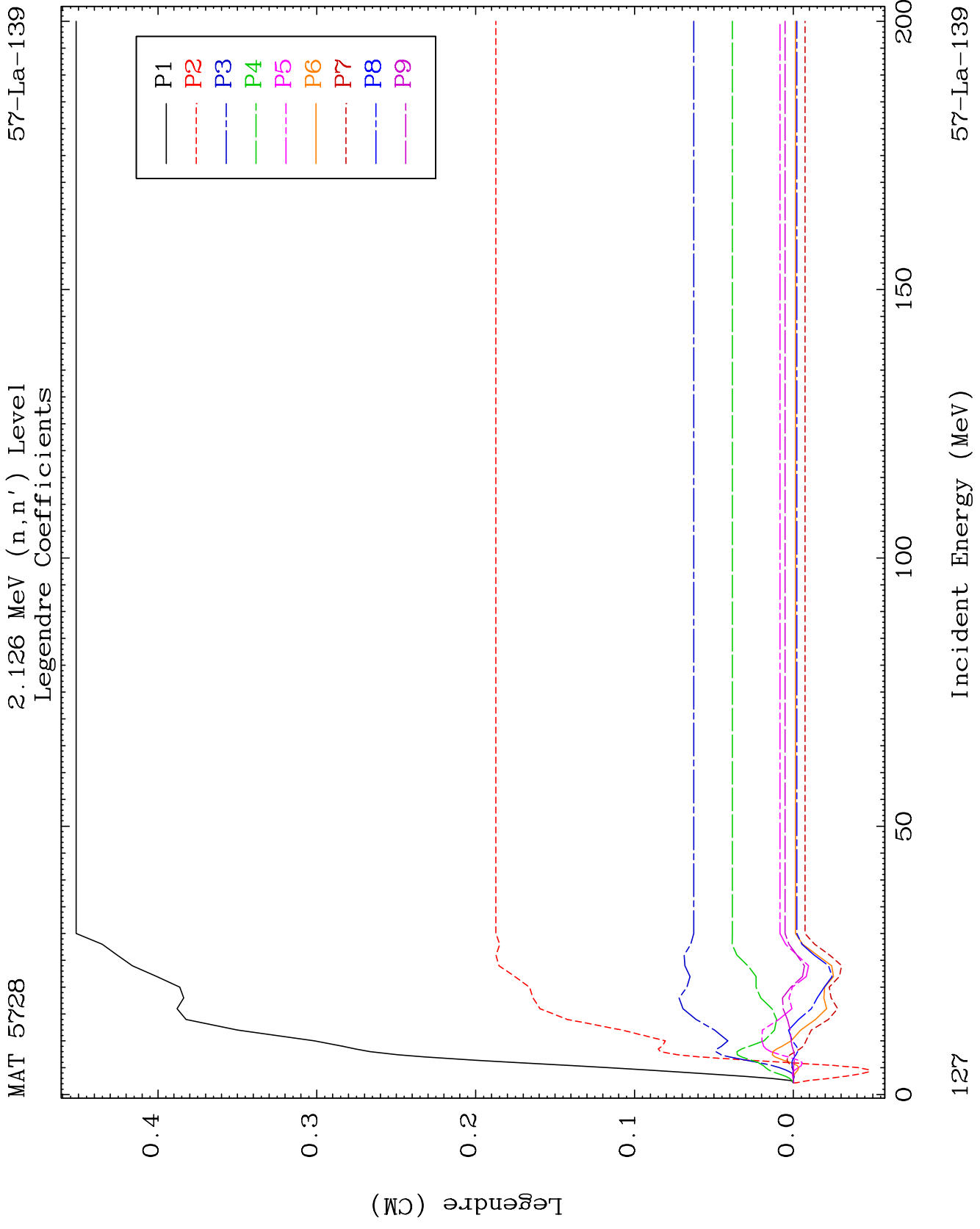
57-La-139

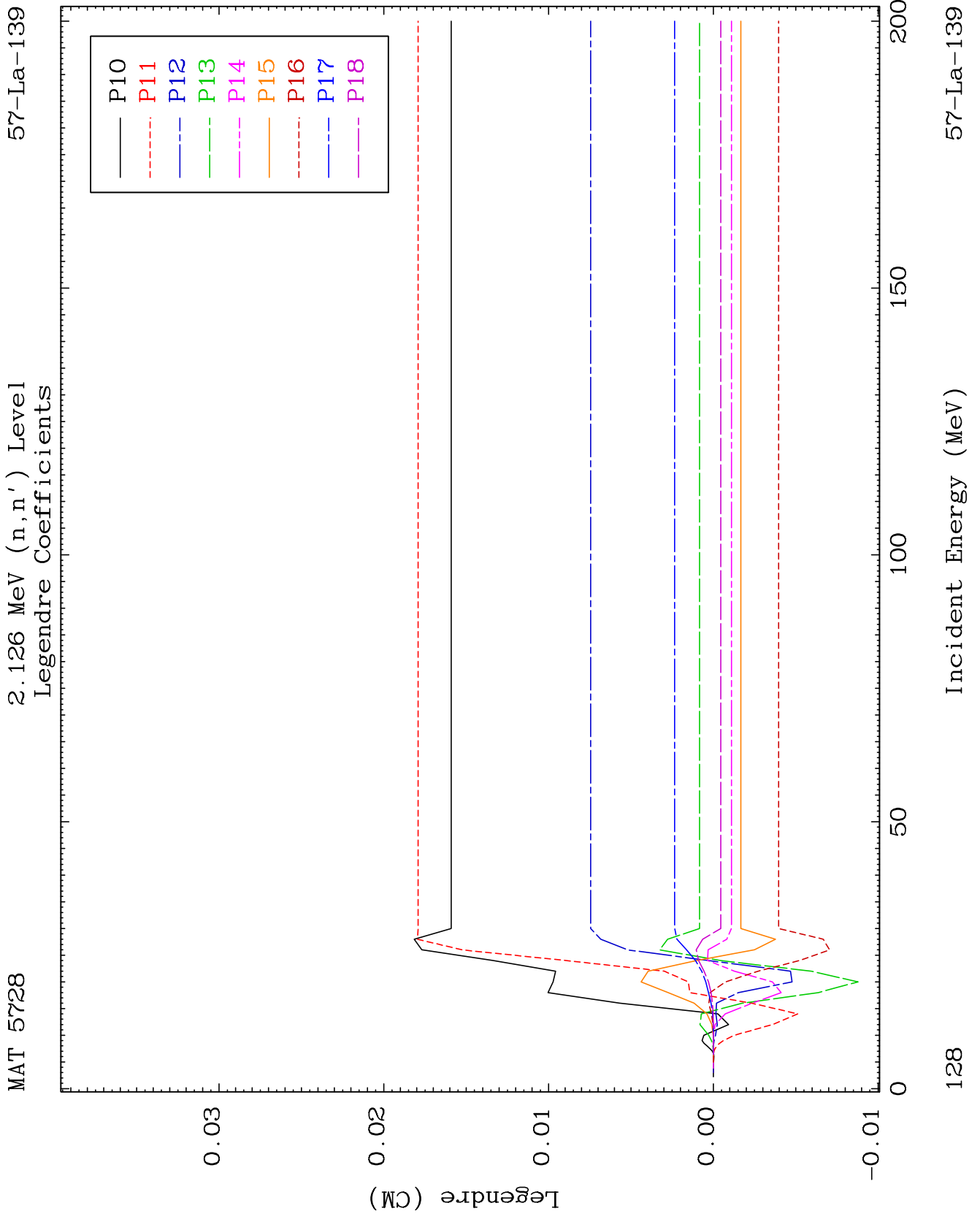


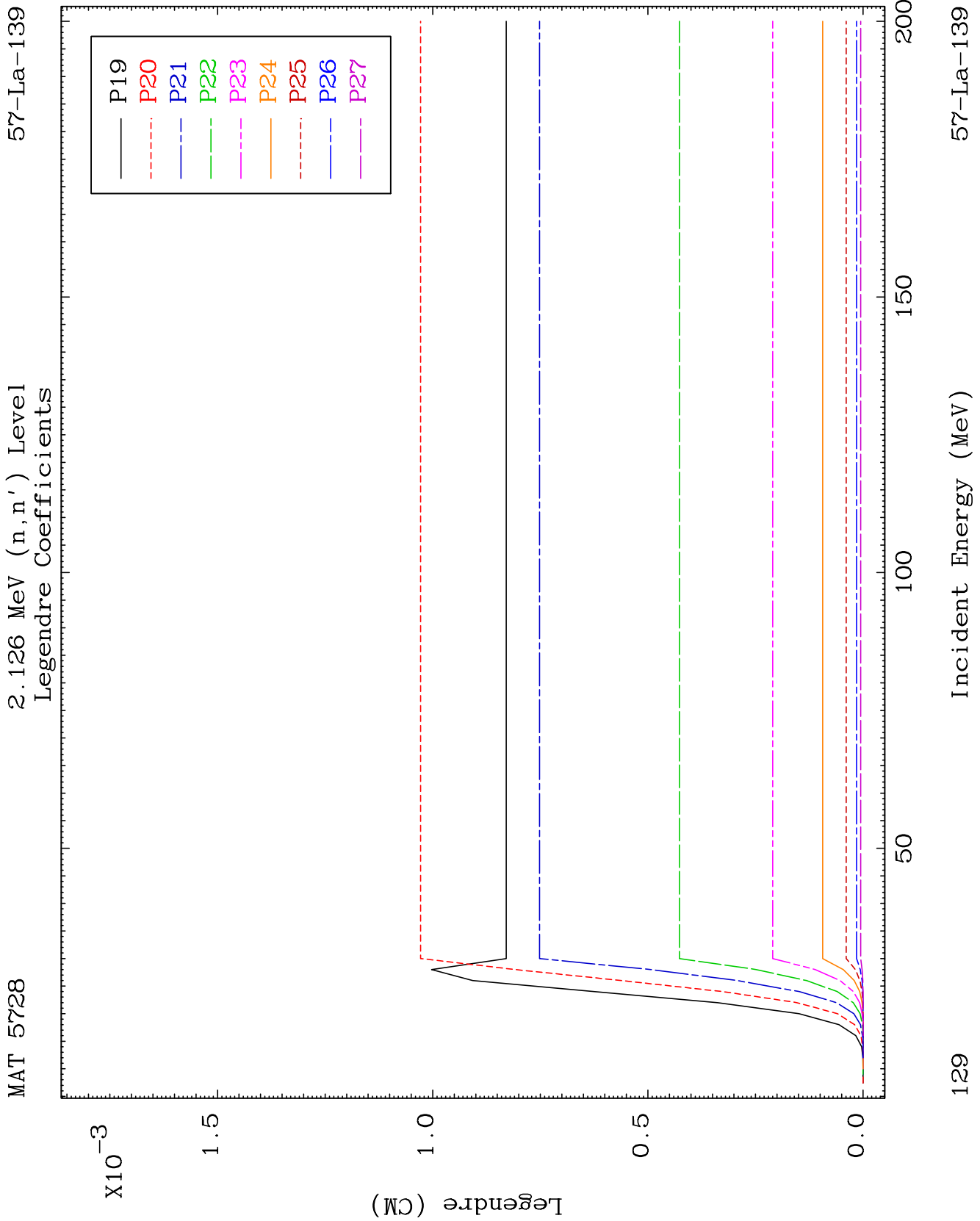
126

Incident Energy (MeV)

57-La-139



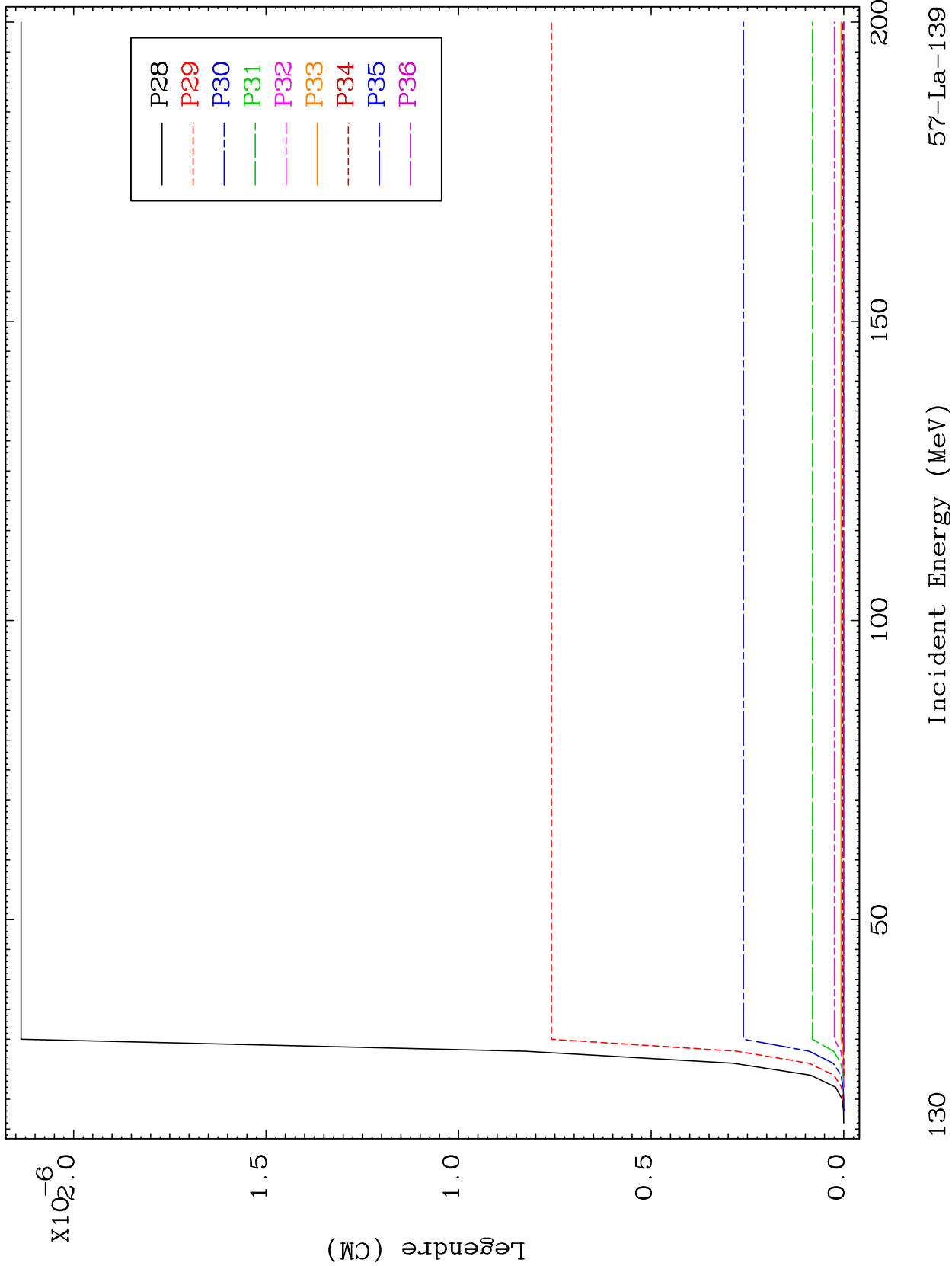




MAT 5728

2.126 MeV (n, n') Level
Legendre Coefficients

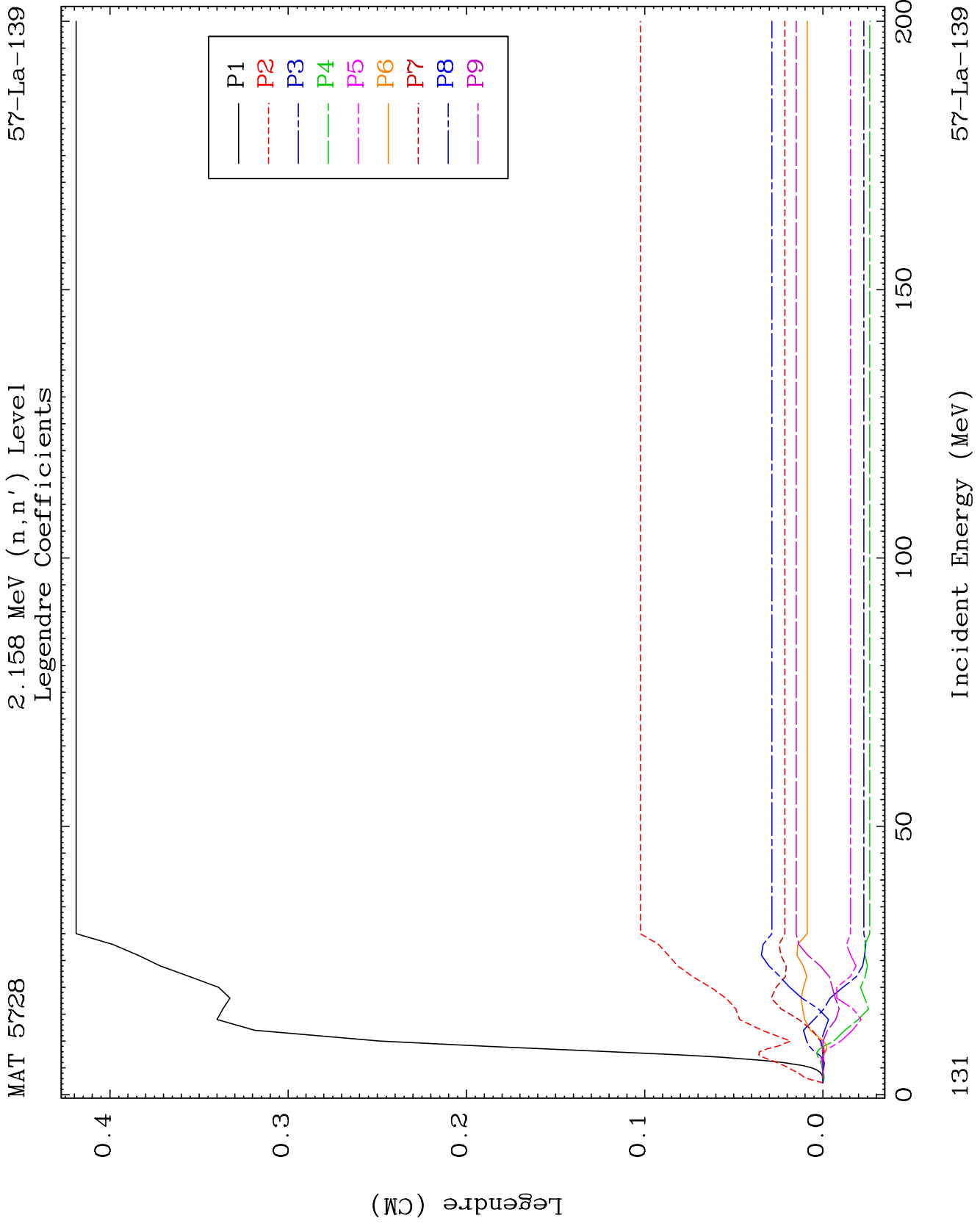
57-La-139

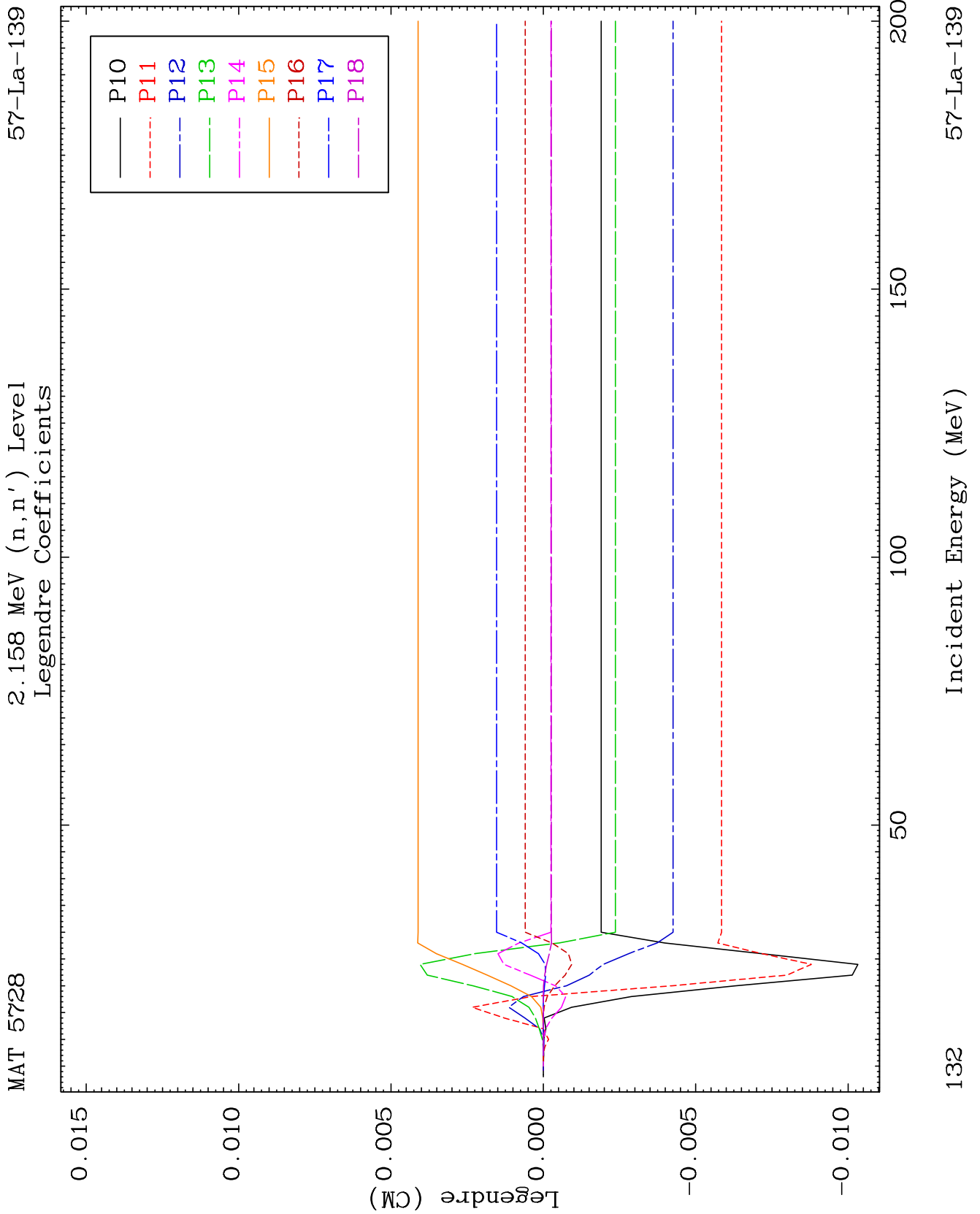


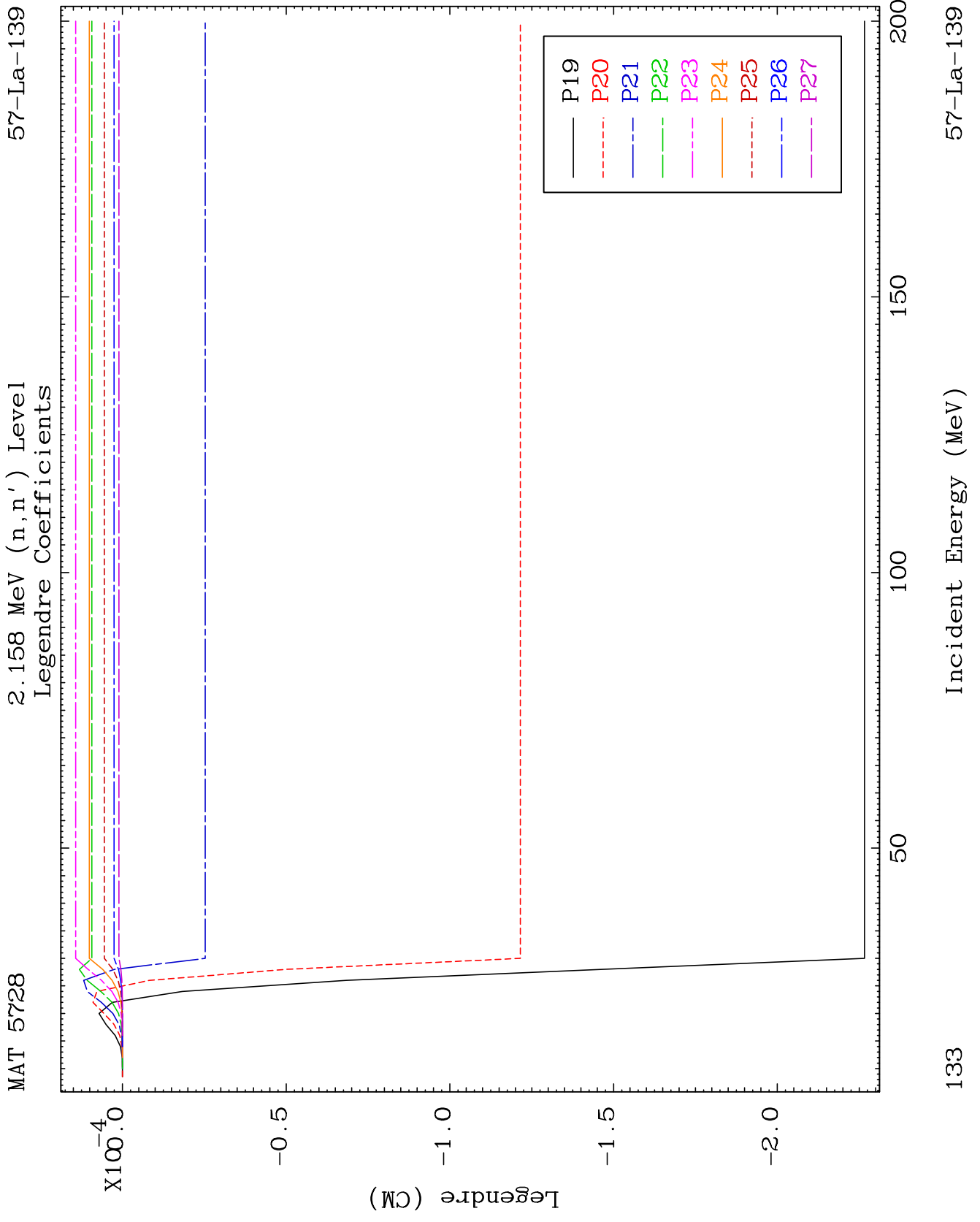
130

Incident Energy (MeV)

57-La-139



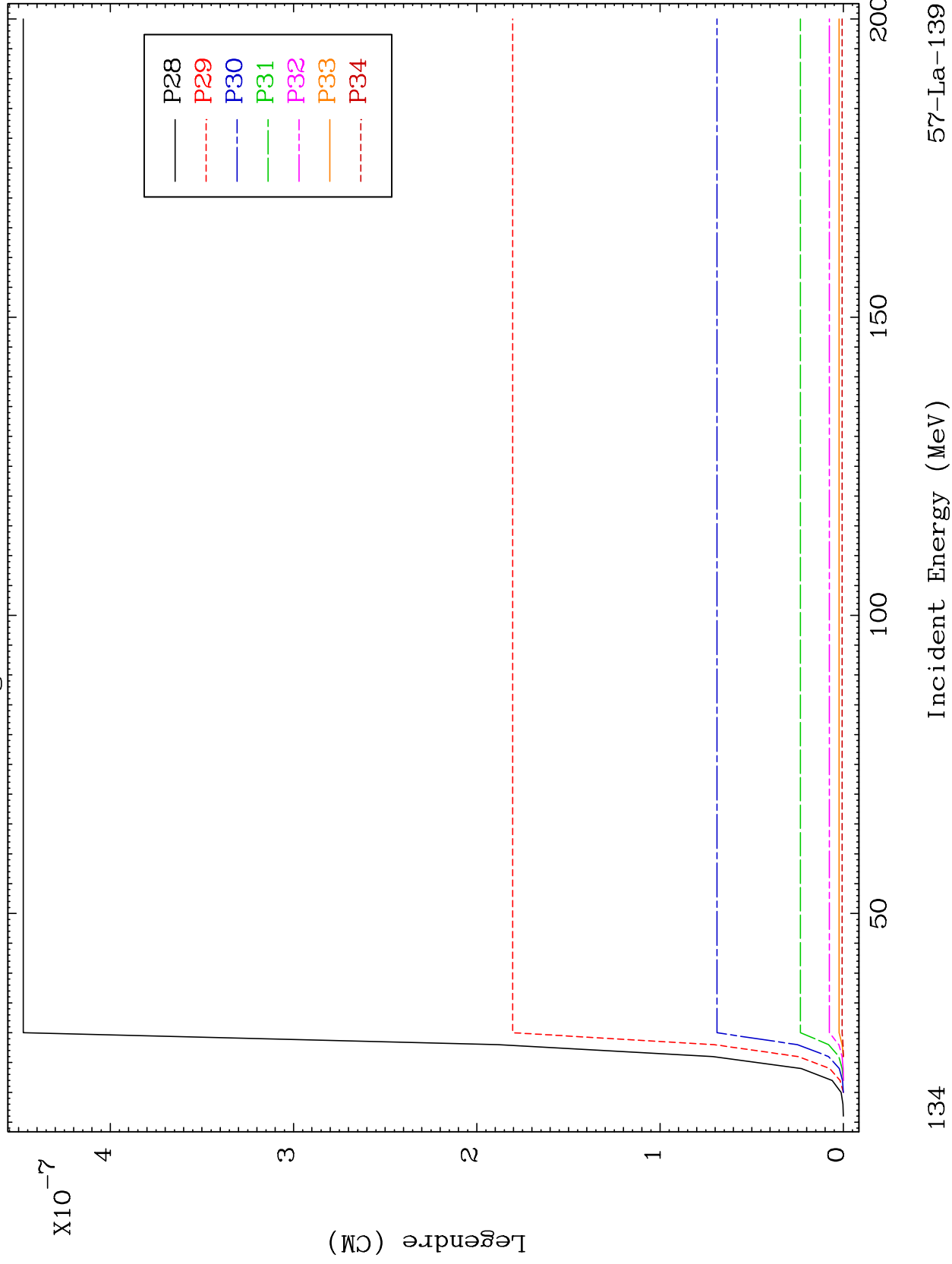




MAT 5728

2.158 MeV (n,n') Level
Legendre Coefficients

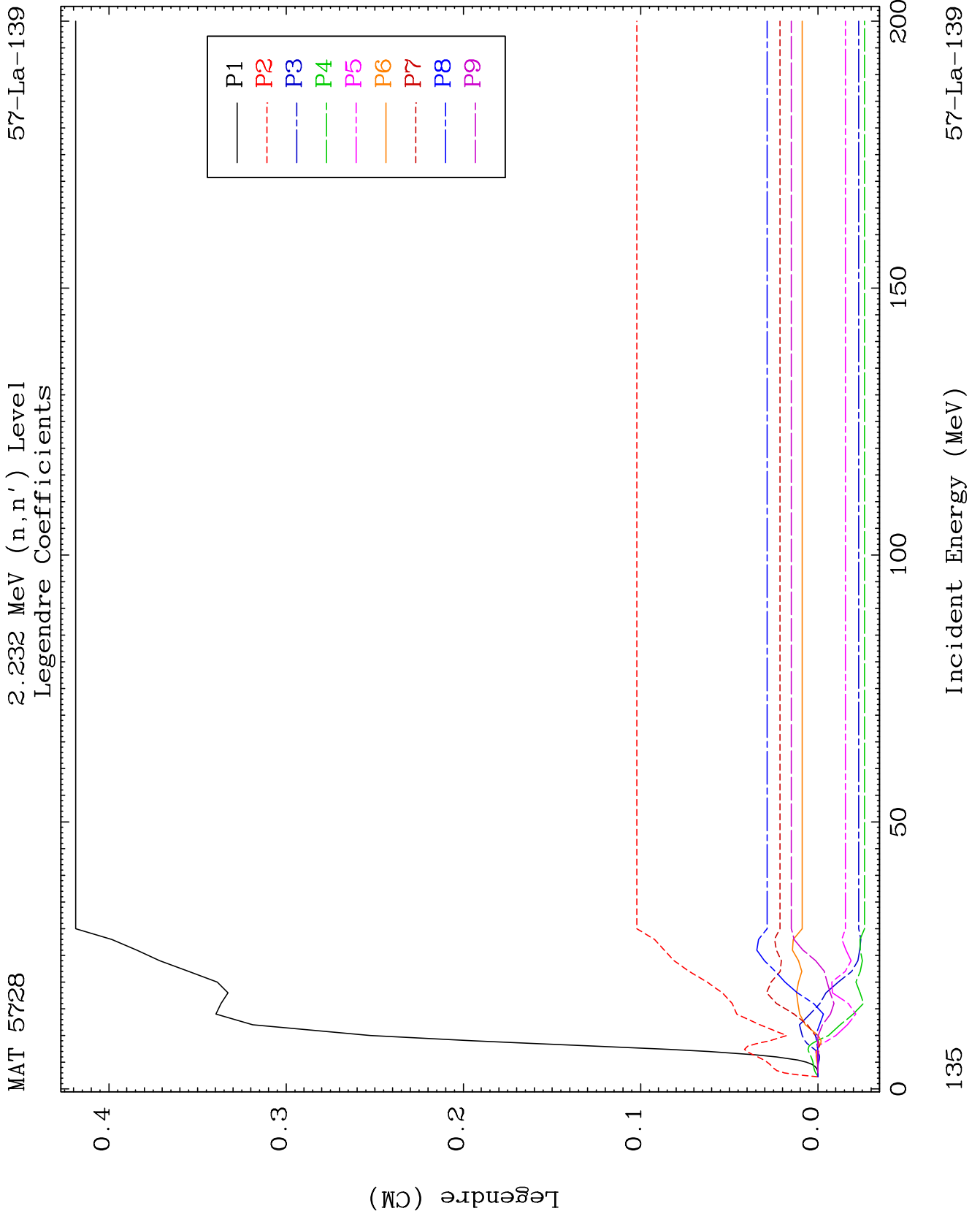
57-La-139

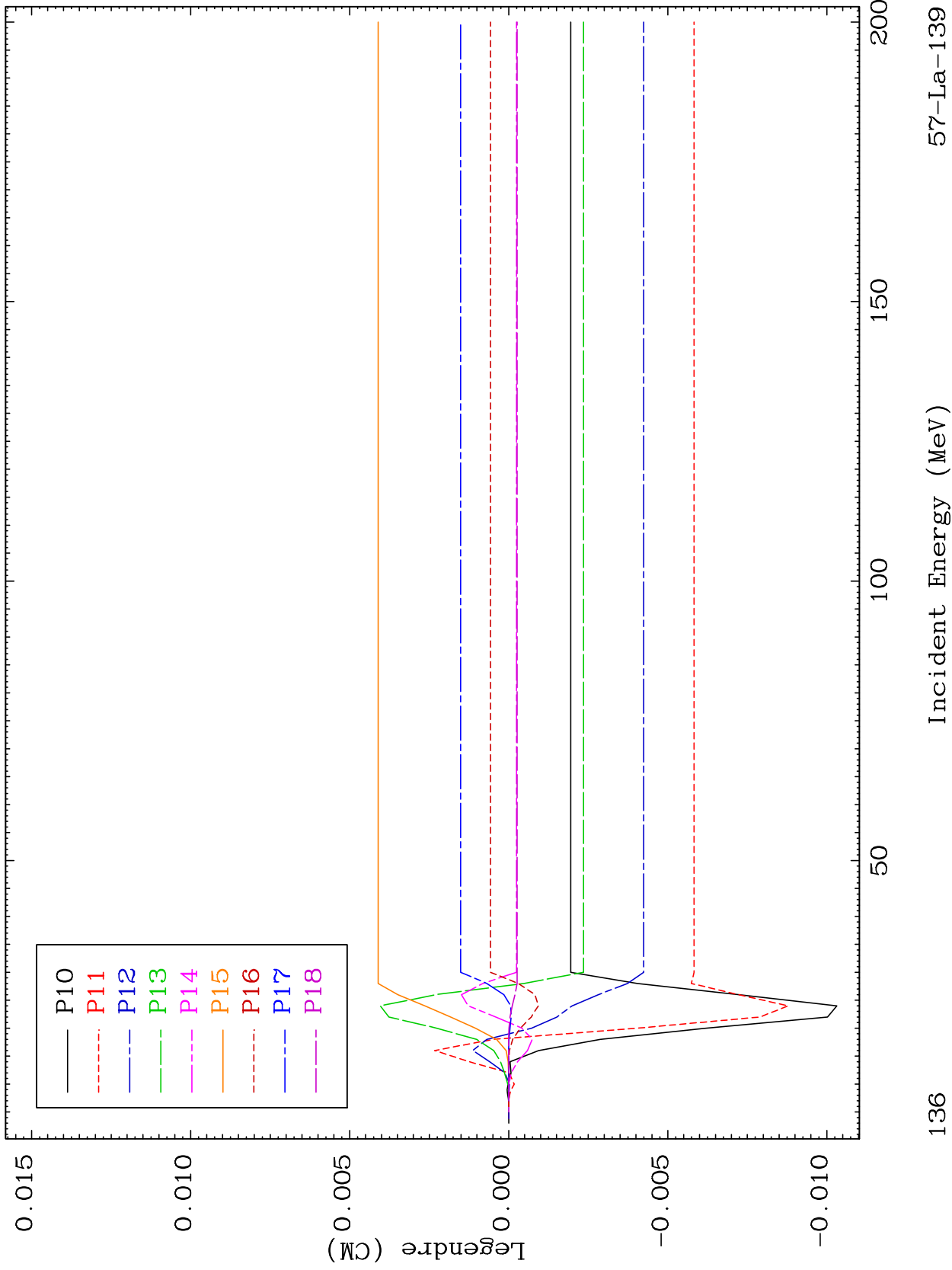


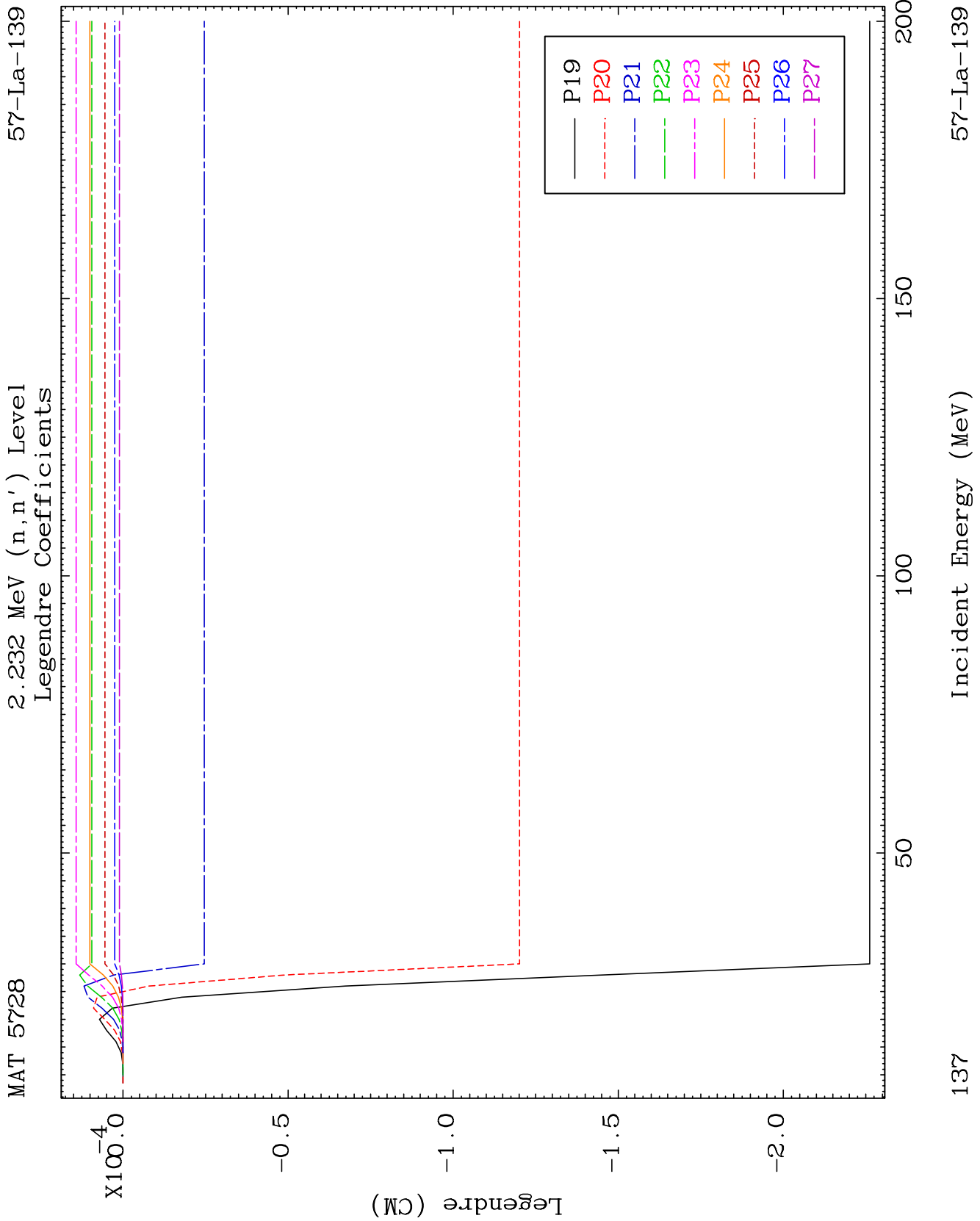
134

Incident Energy (MeV)

57-La-139



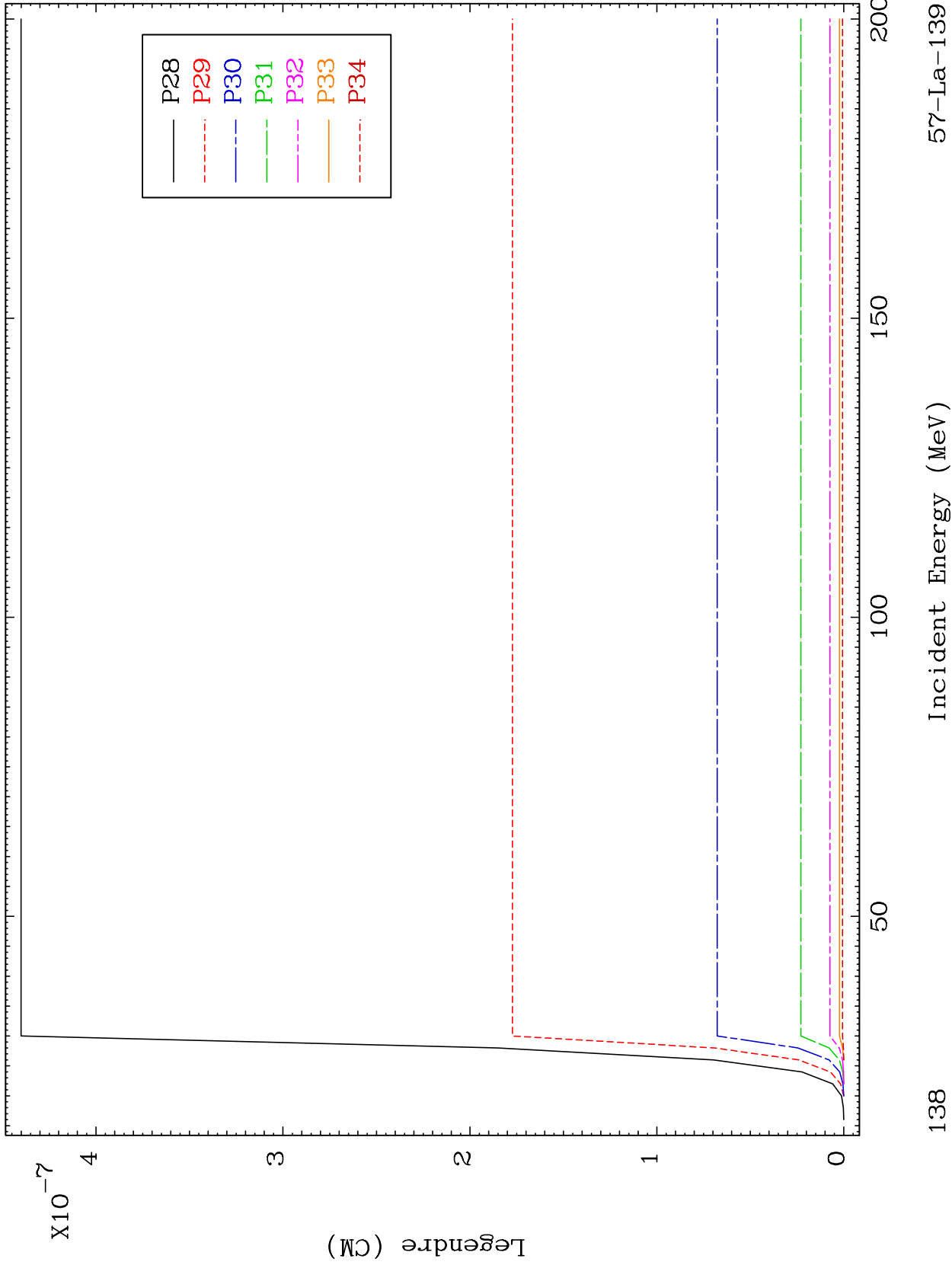




MAT 5728

2.232 MeV (n,n') Level
Legendre Coefficients

57-La-139



138

Incident Energy (MeV)

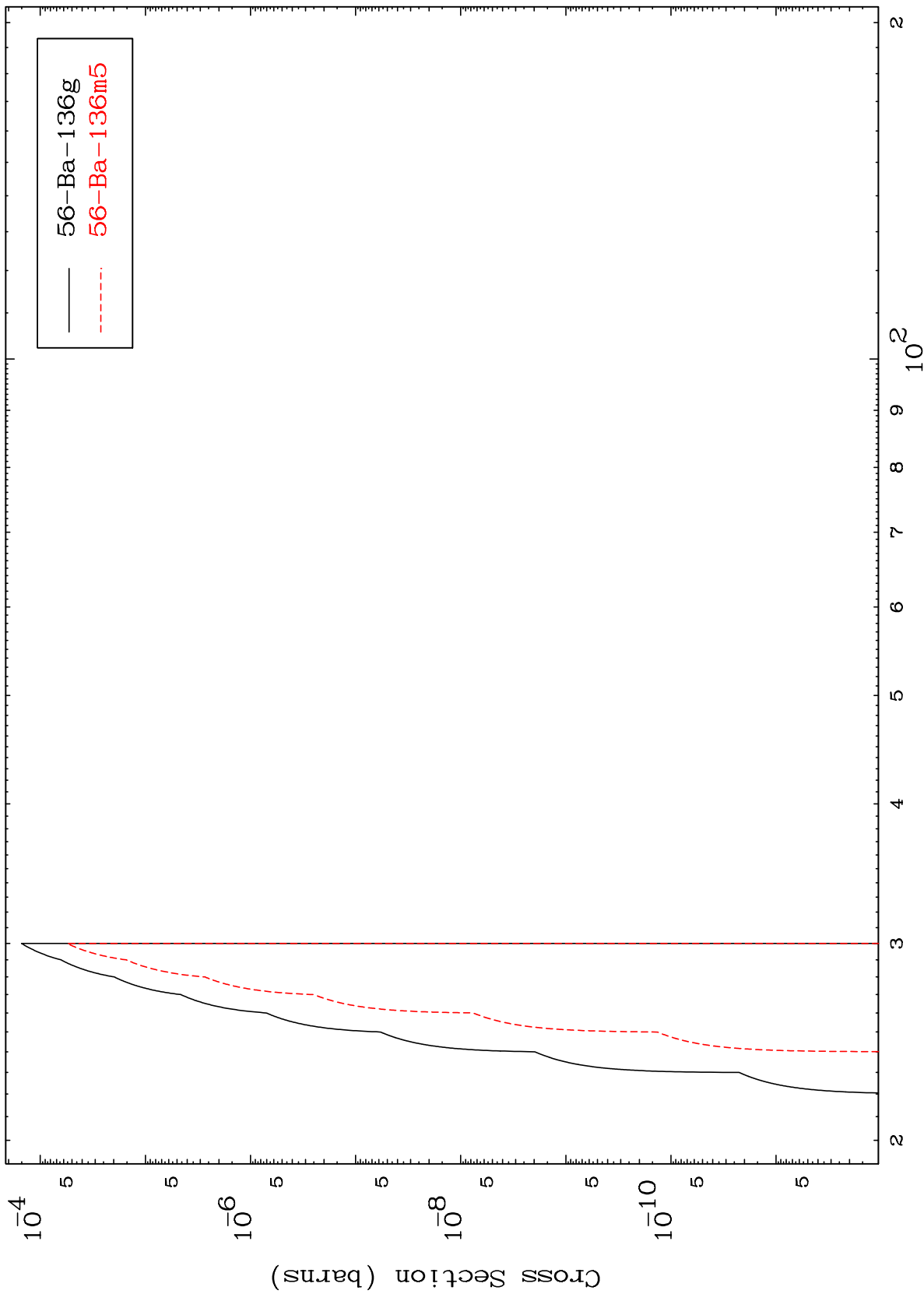
57-La-139

MAT 5728

(n,2n) d

57-La-139

Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

139

Incident Energy (MeV)

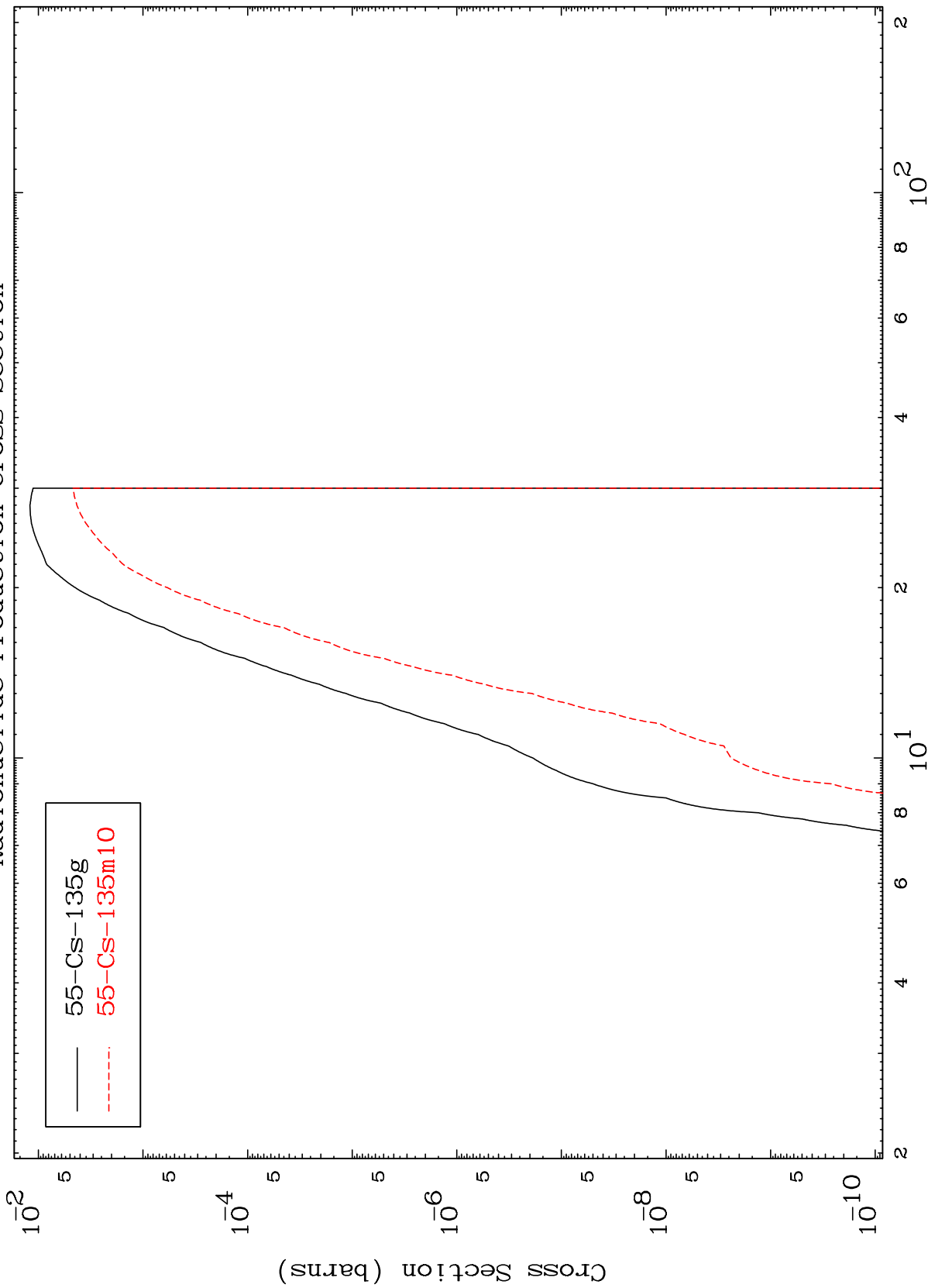
57-La-139

MAT 5728

(n,n') α

57-La-139

Radionuclide Production Cross Section



55-Cs-135g
55-Cs-135m10

140

Incident Energy (MeV)

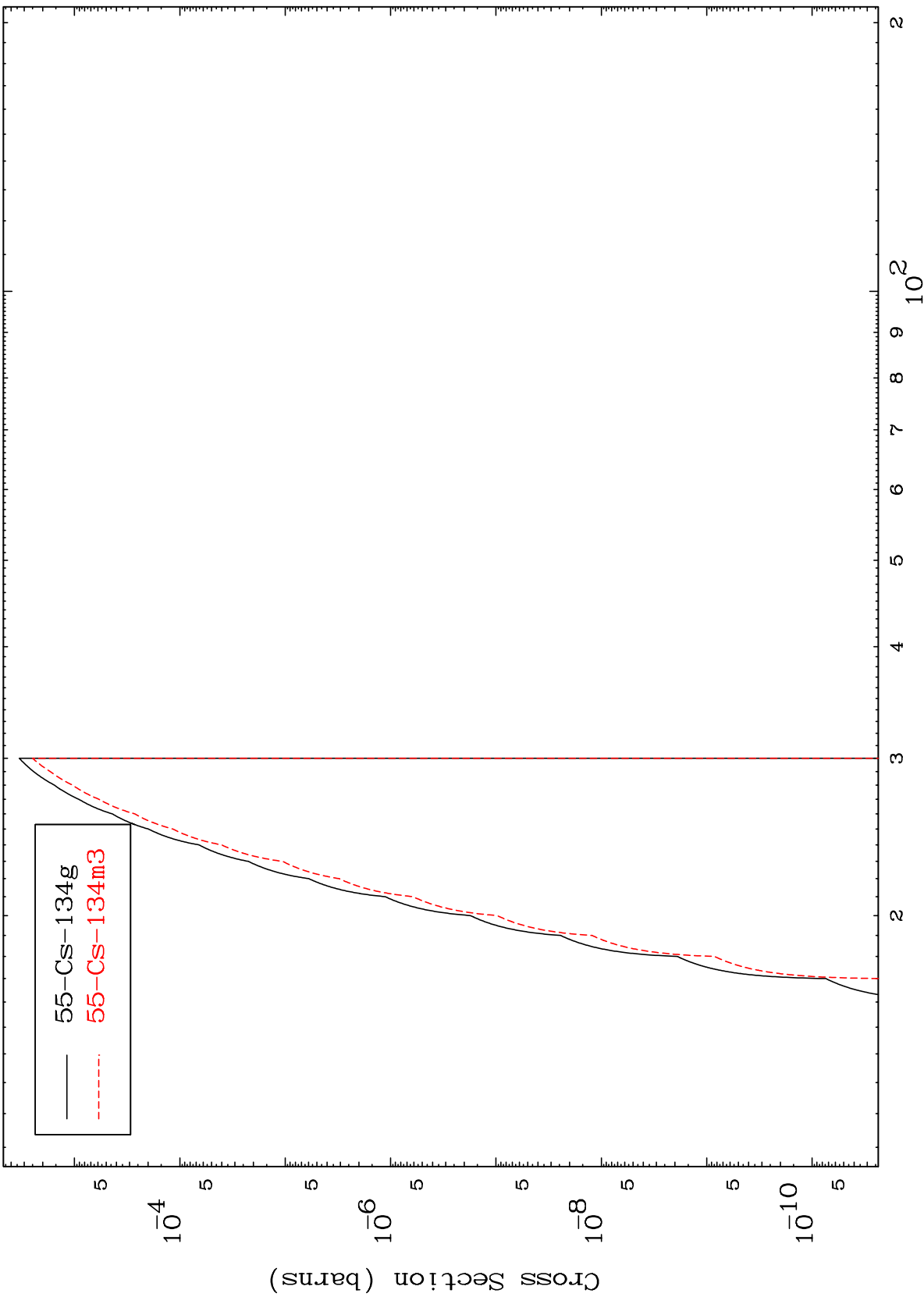
57-La-139

MAT 5728

(n,2n) α

57-La-139

Radionuclide Production Cross Section

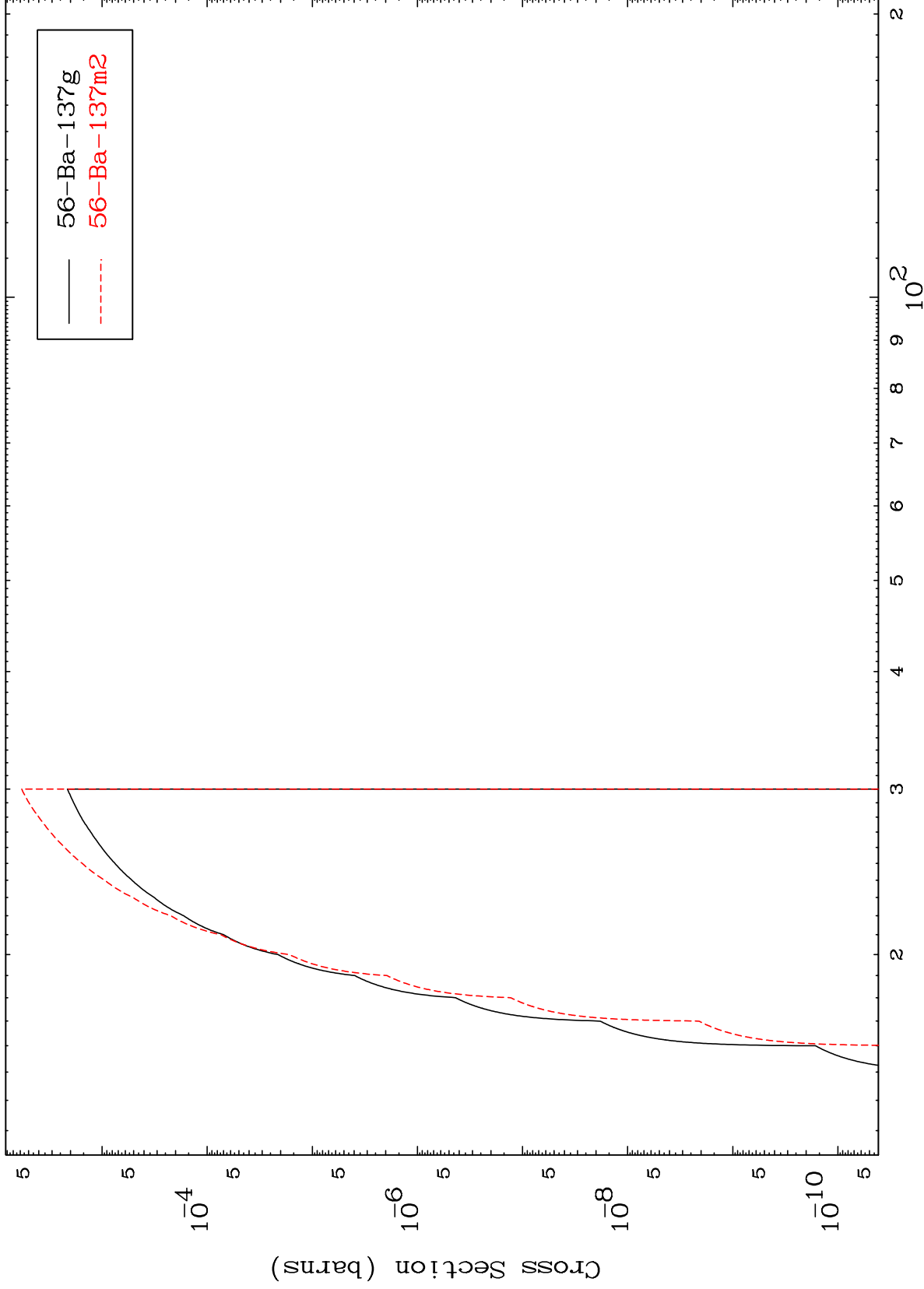


141

Incident Energy (MeV)

57-La-139

Radionuclide Production Cross Section

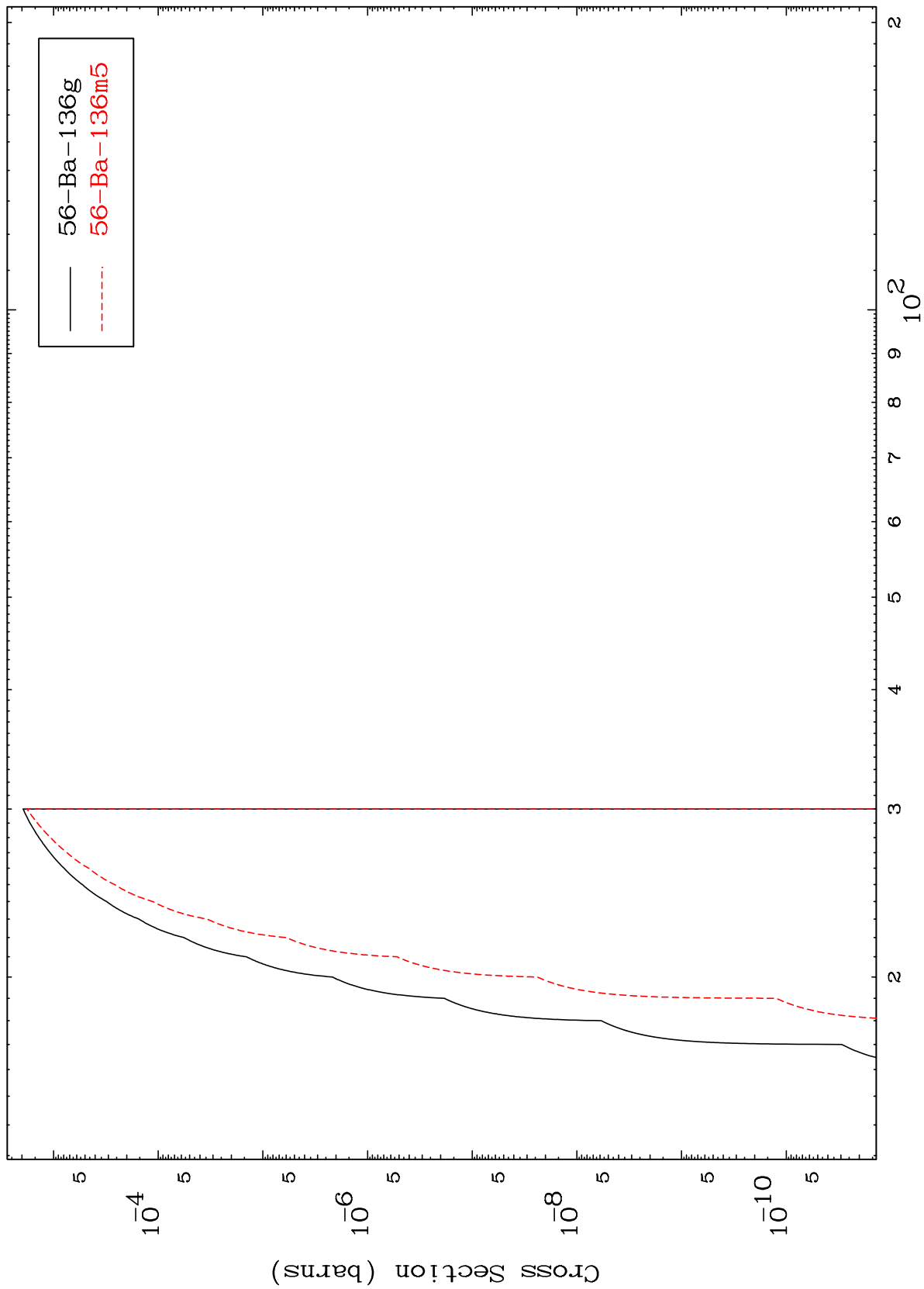


MAT 5728

(n,n') t

57-La-139

Radionuclide Production Cross Section



143

Incident Energy (MeV)

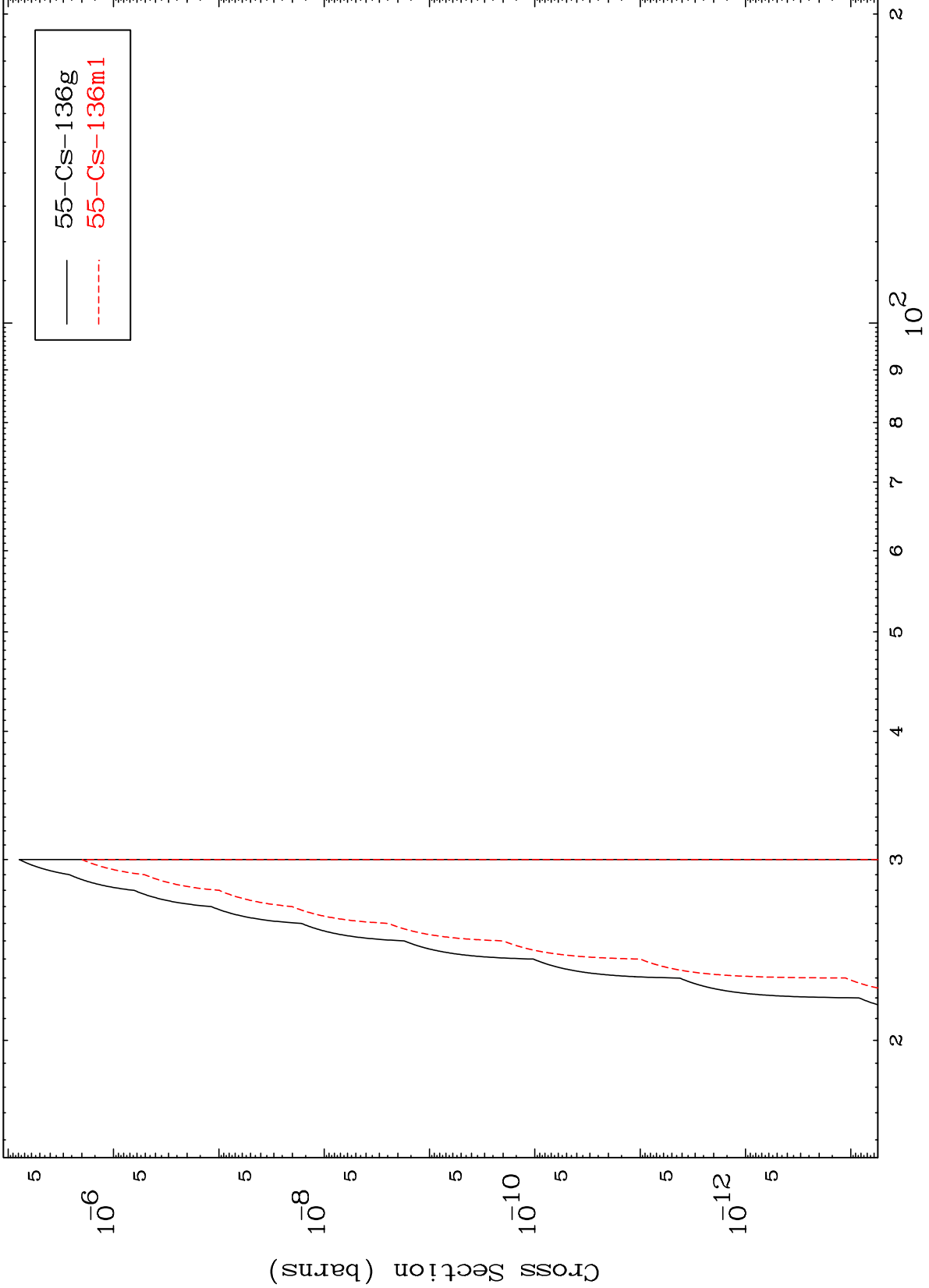
57-La-139

MAT 5728

(n,n') He-3

57-La-139

Radionuclide Production Cross Section



144

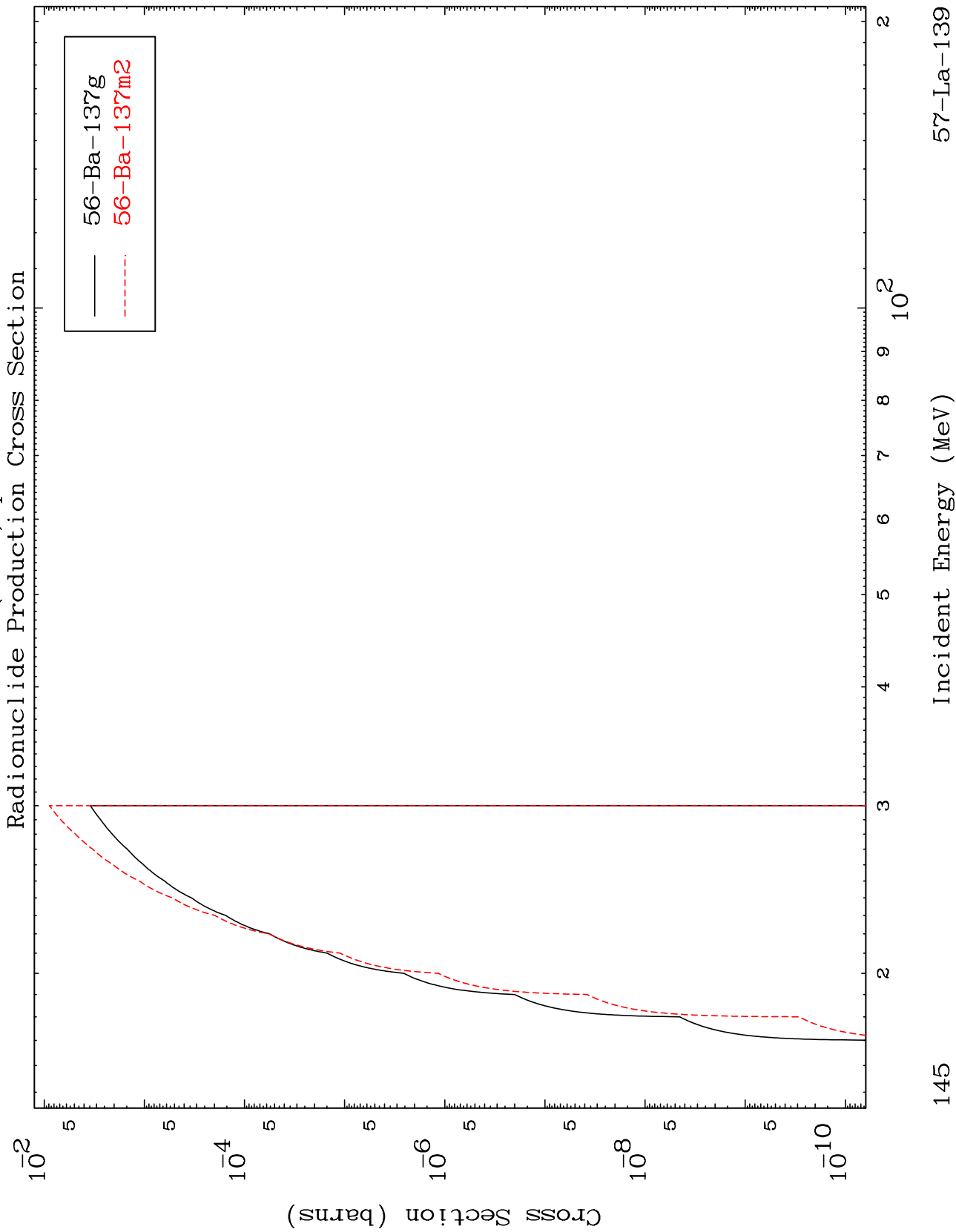
Incident Energy (MeV)

57-La-139

MAT 5728

(n,2n) p

57-La-139



145

Incident Energy (MeV)

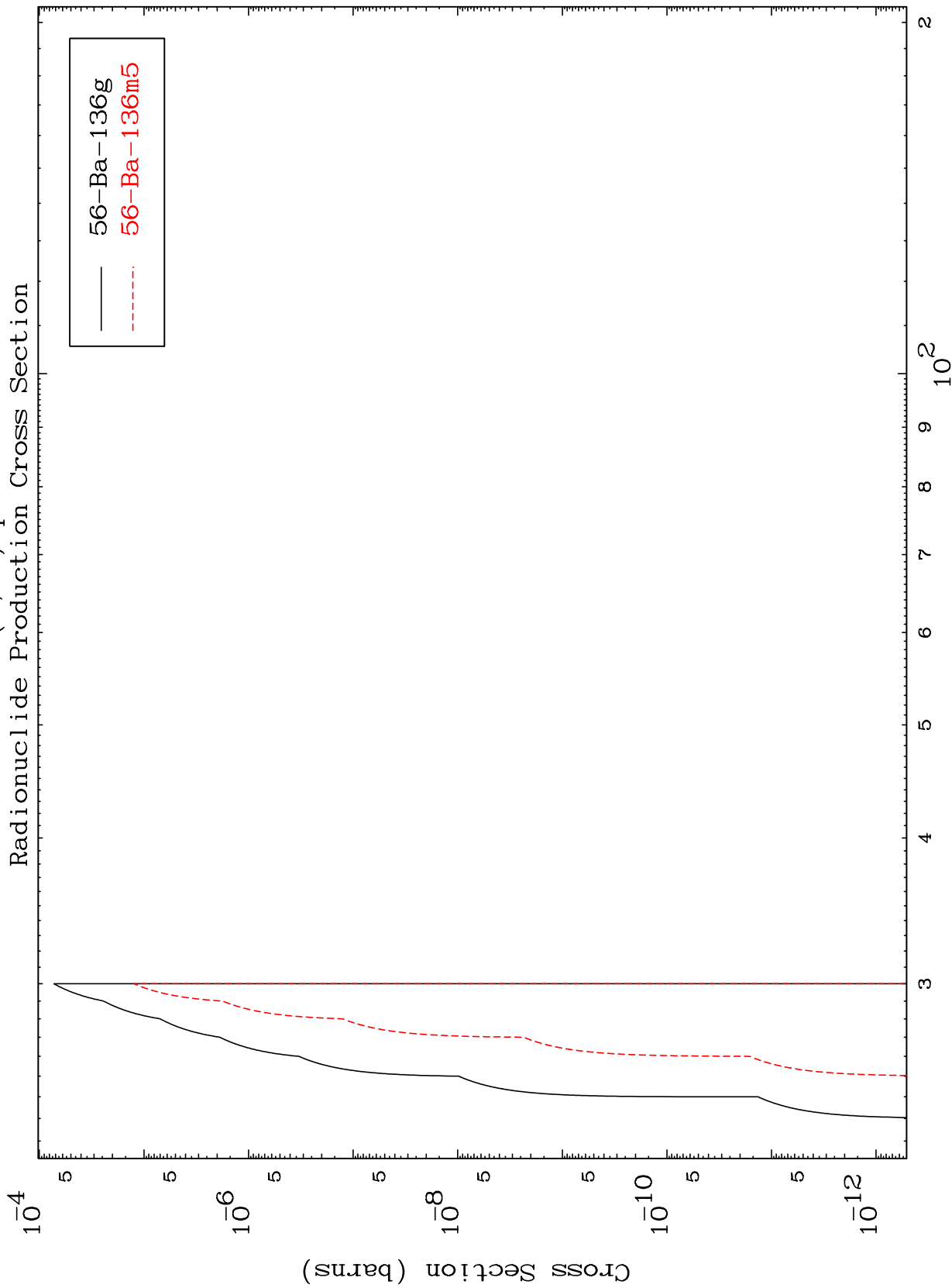
57-La-139

MAT 5728

(n,3n) p

57-La-139

Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

146

Incident Energy (MeV)

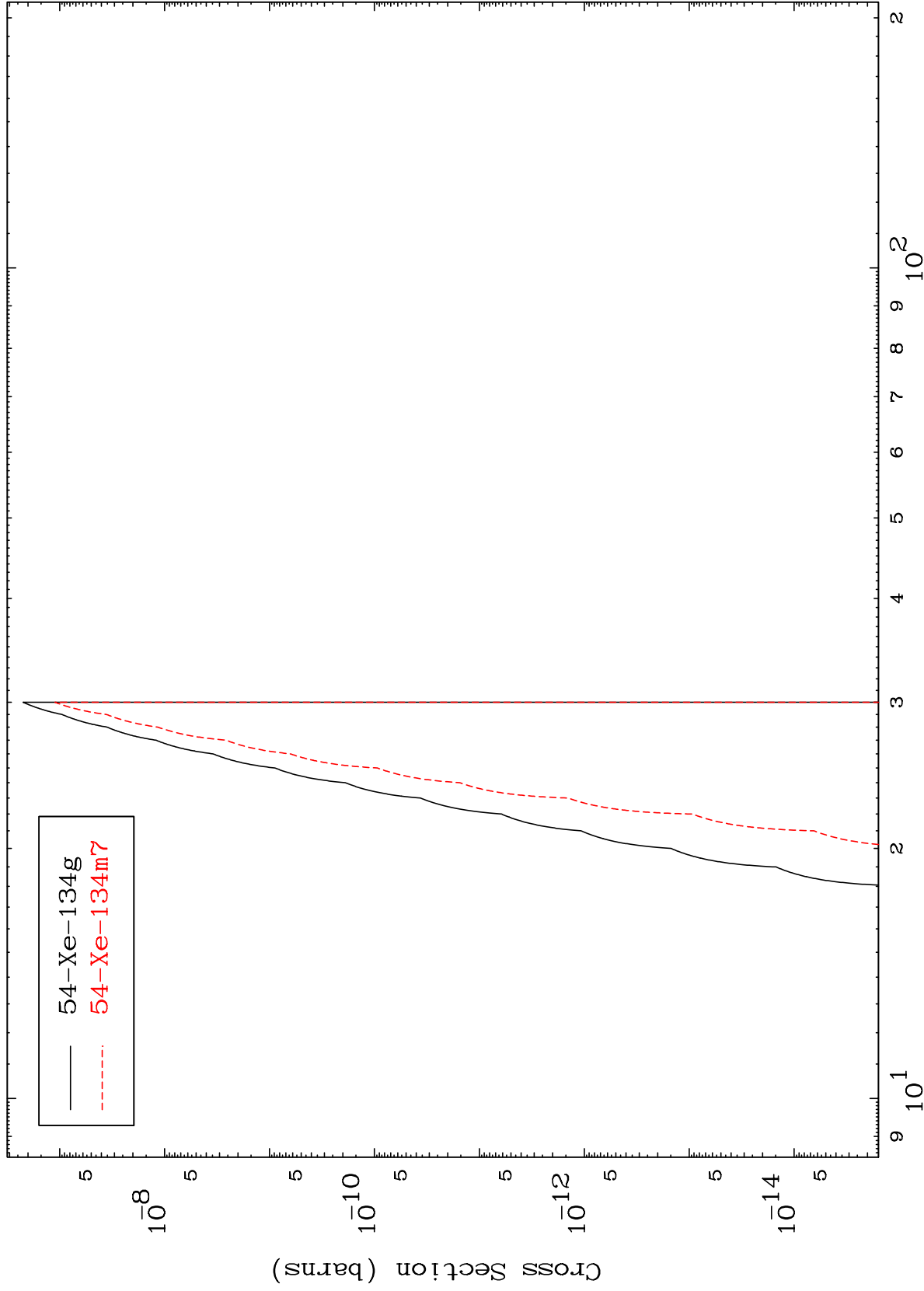
57-La-139

MAT 5728

(n,n') p α

57-La-139

Radionuclide Production Cross Section



147

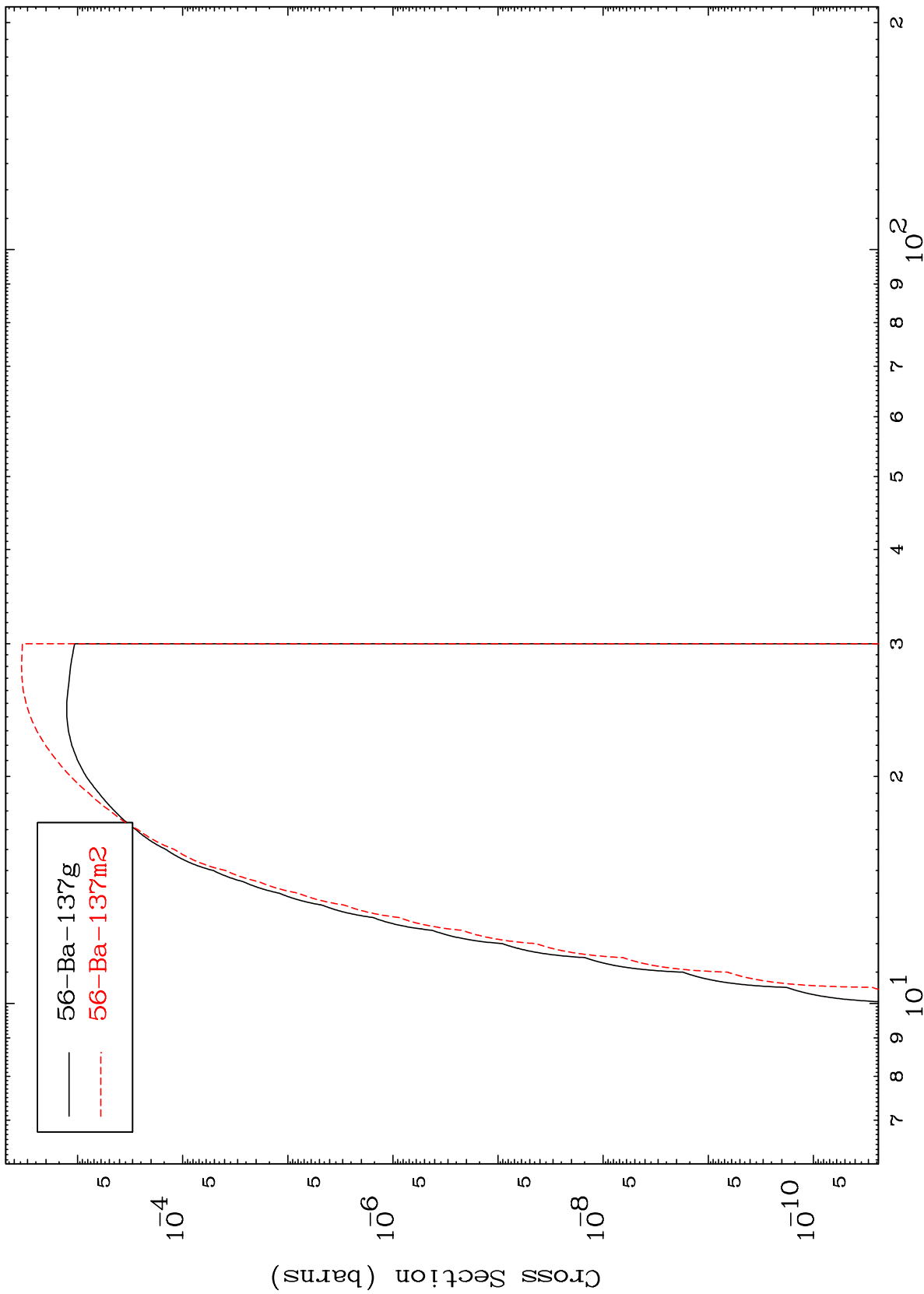
Incident Energy (MeV)

57-La-139

MAT 5728

57-La-139

(n, t)
Radionuclide Production Cross Section



56-Ba-137g
56-Ba-137m2

57-La-139

Incident Energy (MeV)

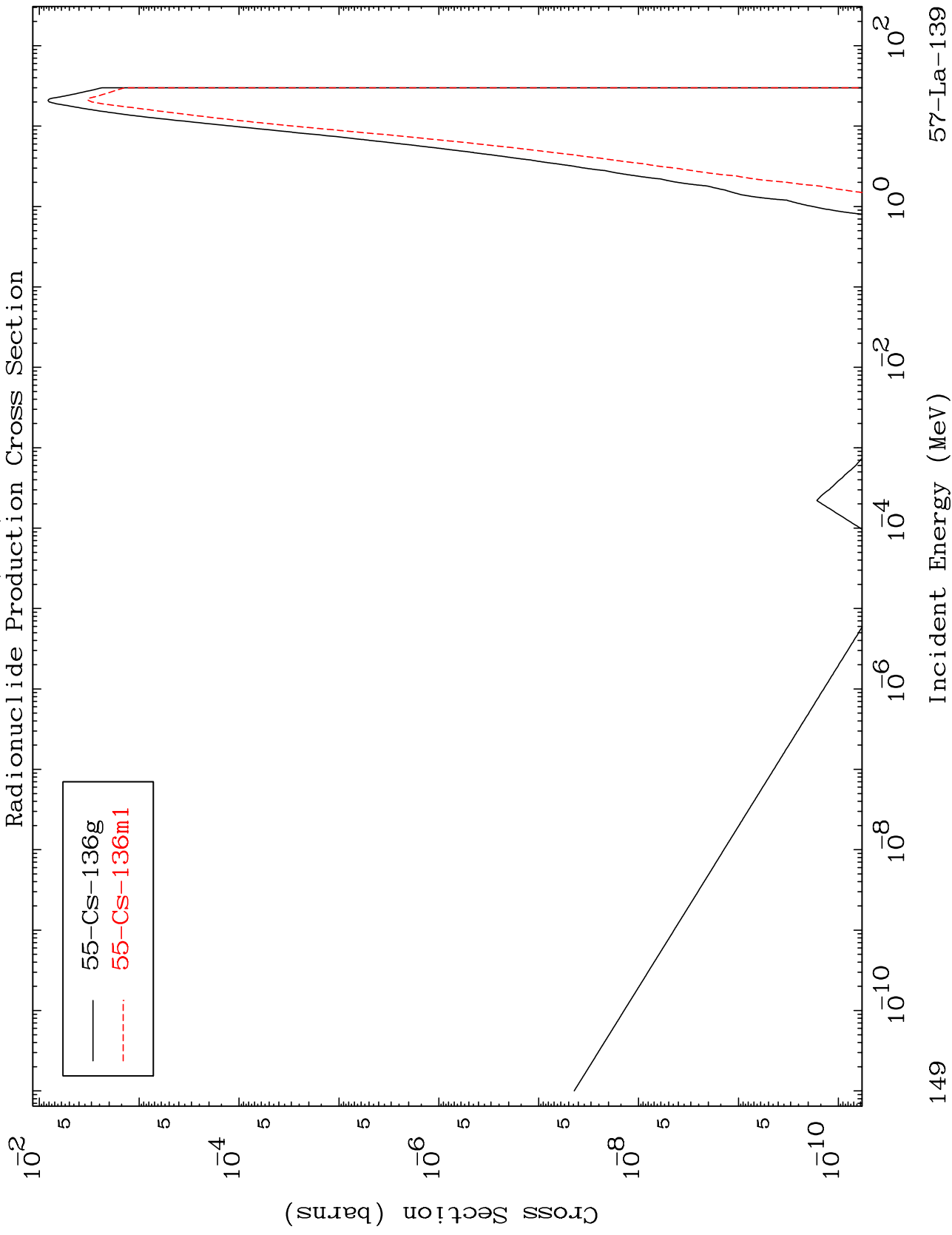
148

MAT 5728

(n, α)

57-La-139

Radionuclide Production Cross Section



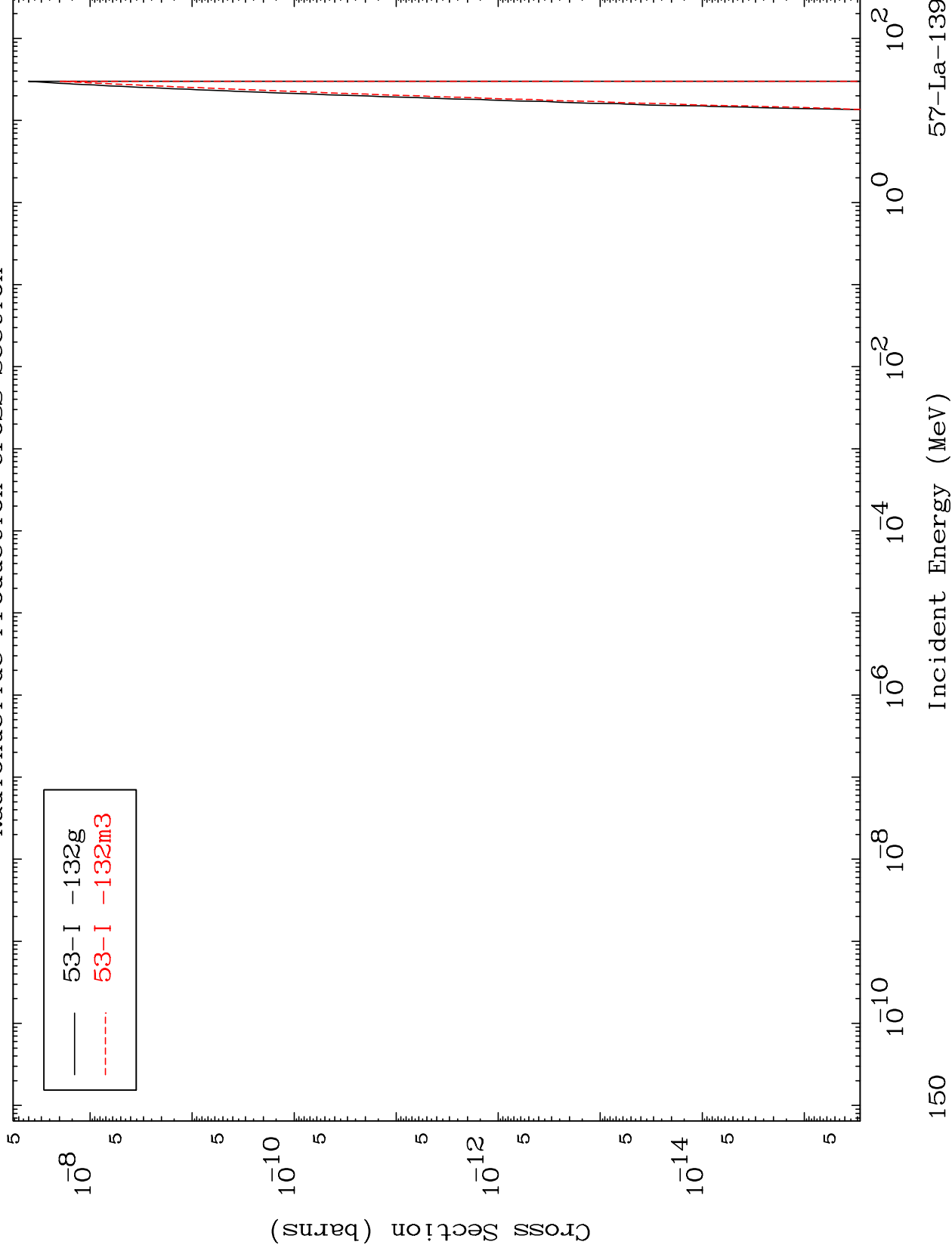
149

MAT 5728

(n,2α)

57-La-139

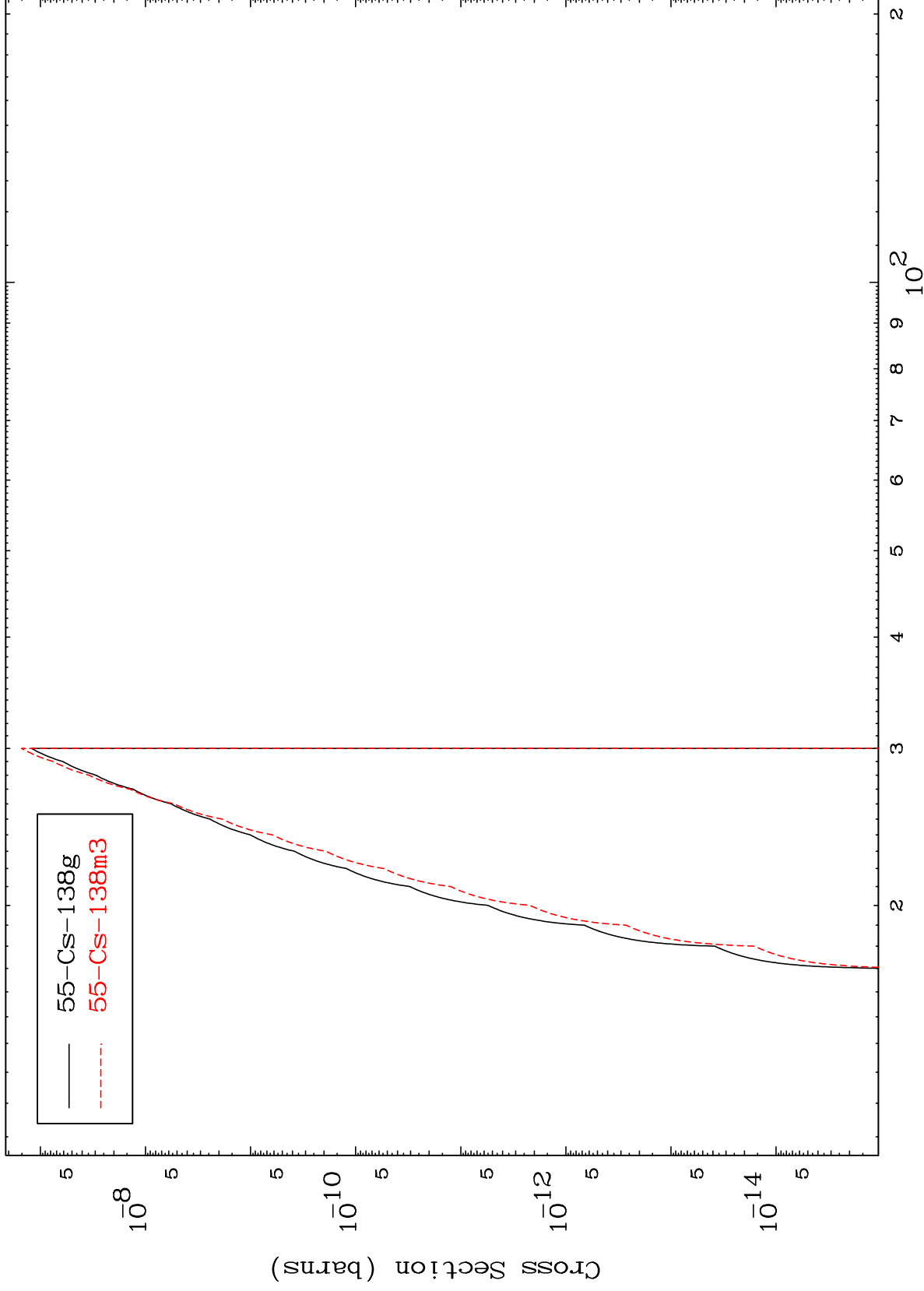
Radionuclide Production Cross Section



MAT 5728

57-La-139

(n,2p)
Radionuclide Production Cross Section



151

Incident Energy (MeV)

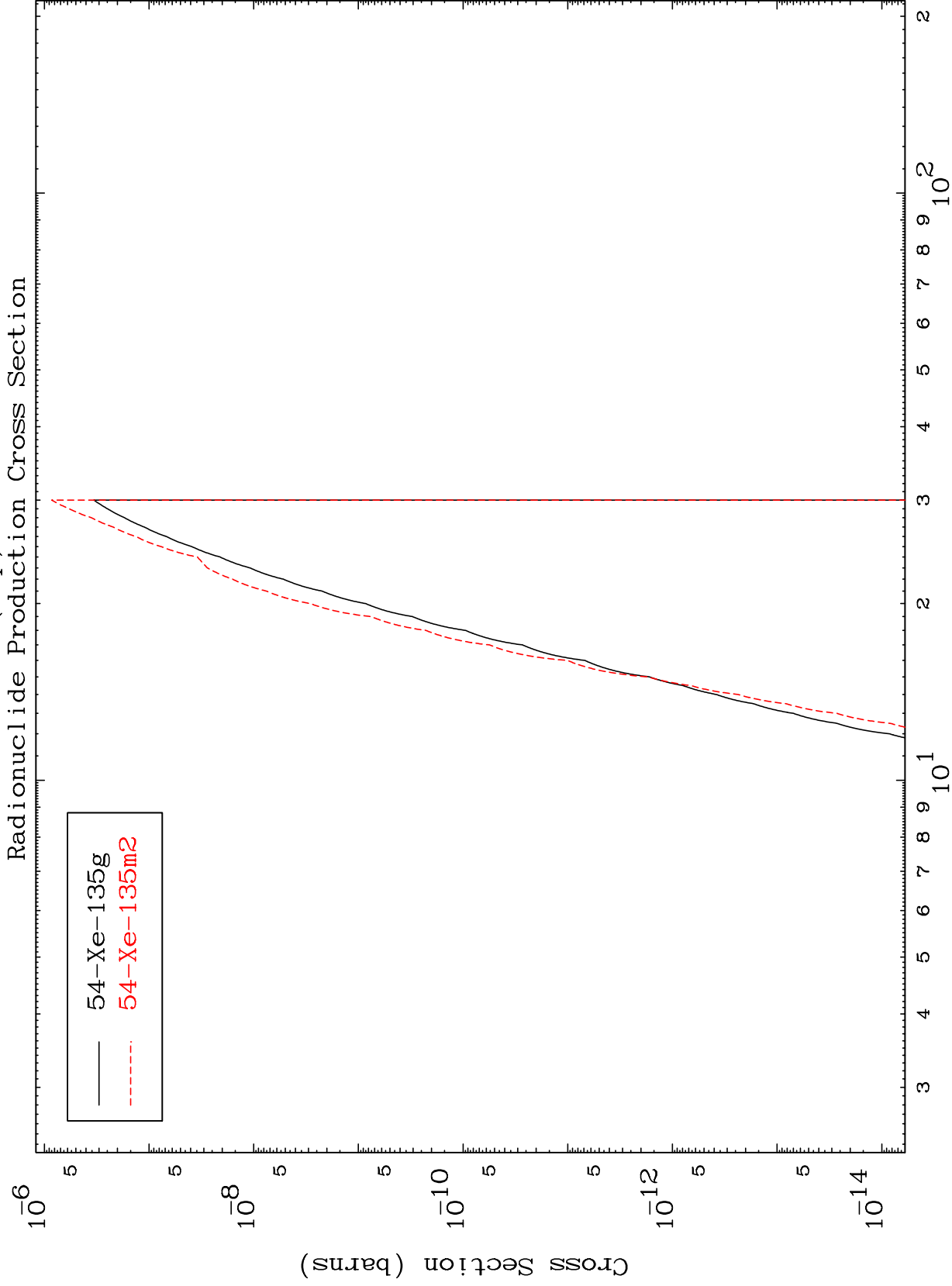
57-La-139

MAT 5728

(n,p) α

57-La-139

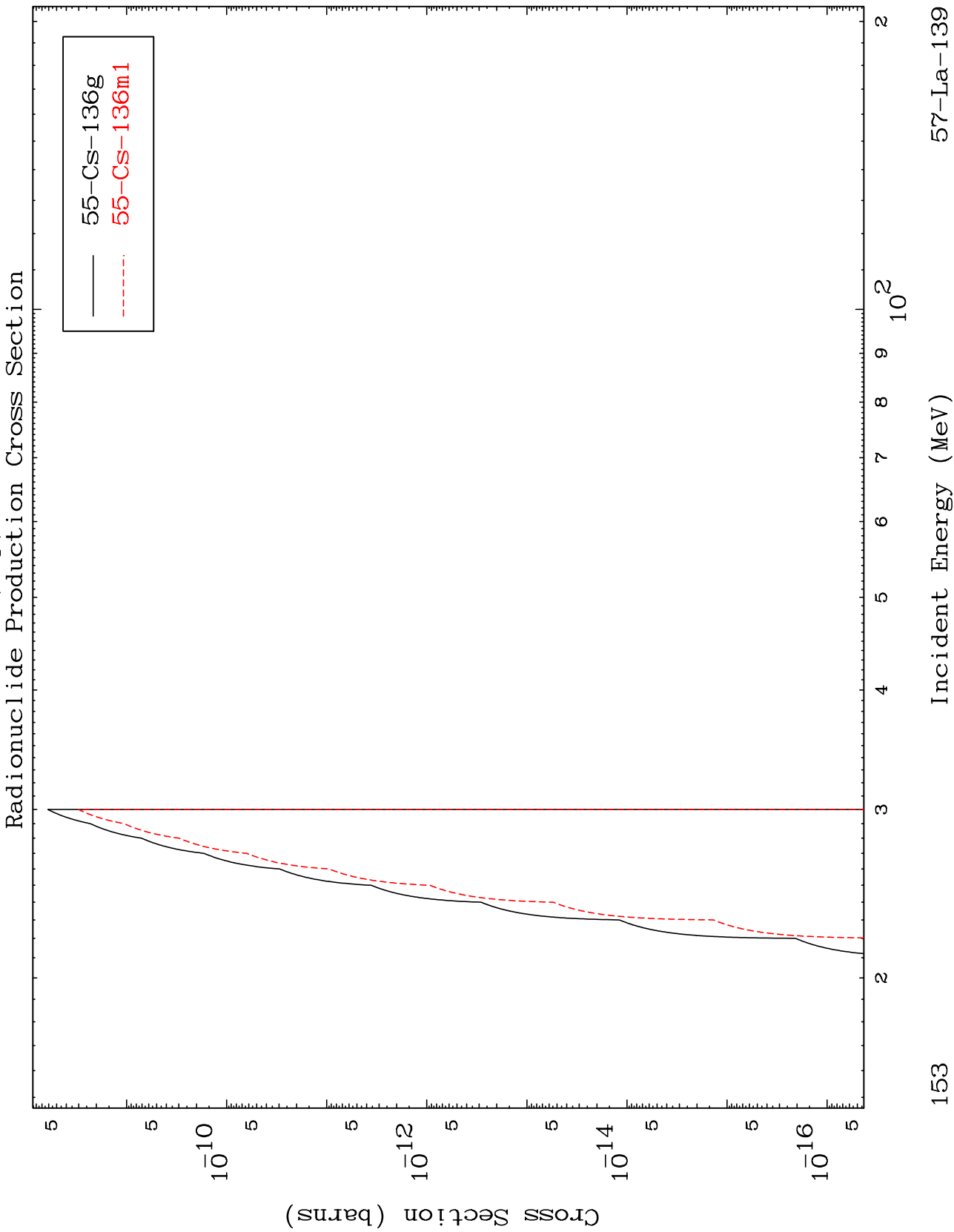
Radionuclide Production Cross Section



152

Incident Energy (MeV)

57-La-139



MAT 5728

(n,d) α

57-La-139

