

Program EVALPLOT
(Version 2015-2)

by

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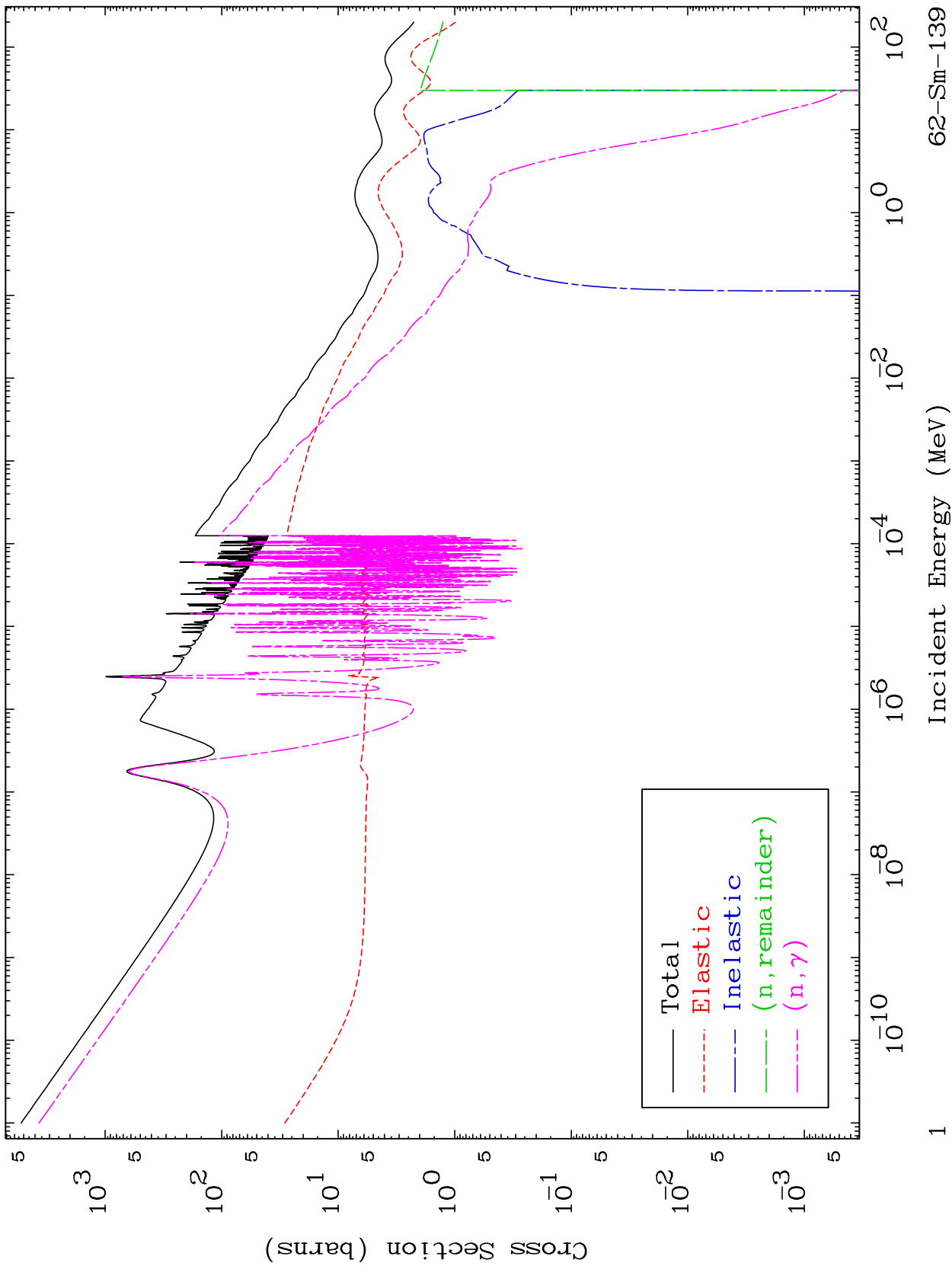
Press Mouse Button to Start

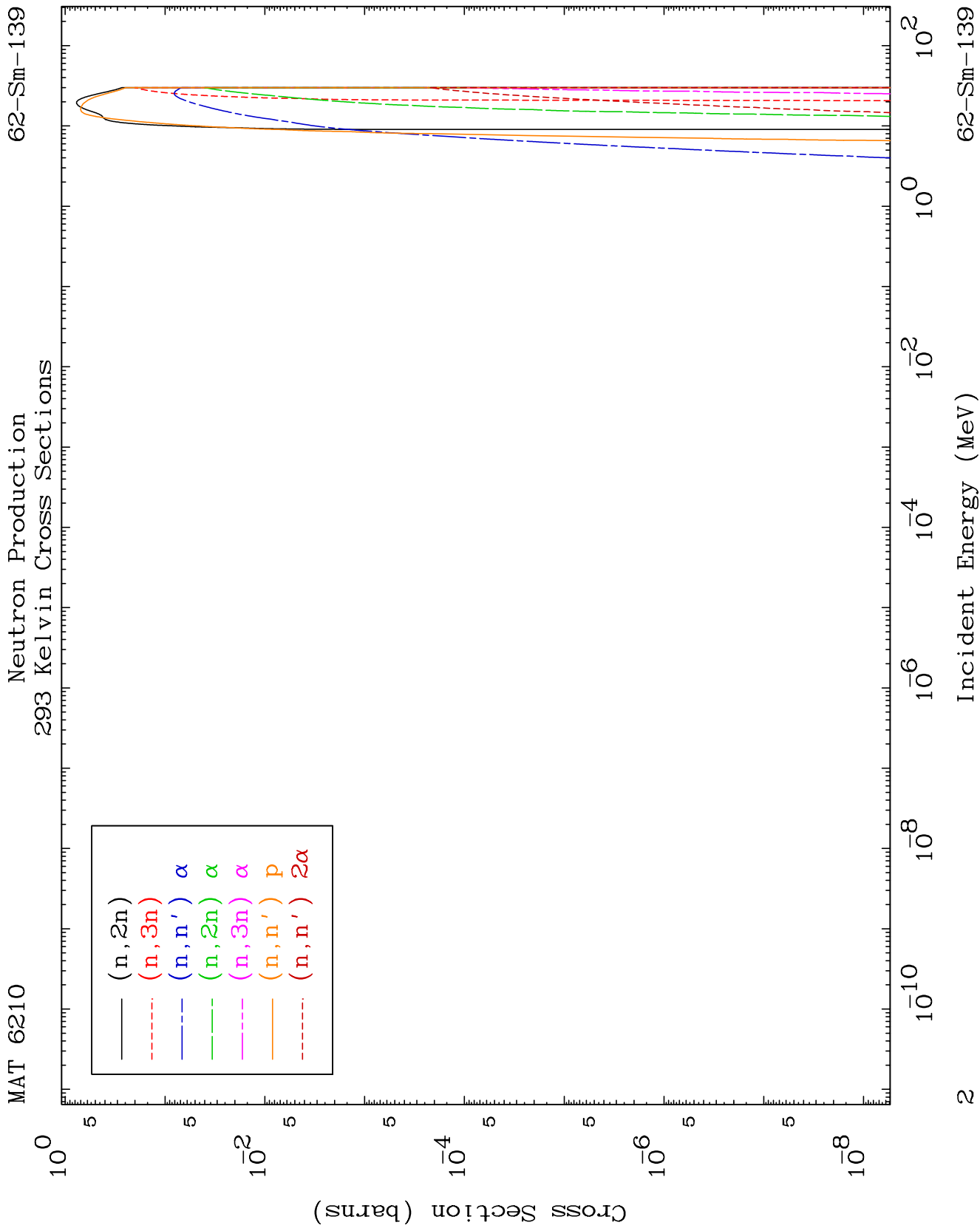
MAT 6210

Major

293 Kelvin Cross Sections

62-Sm-139

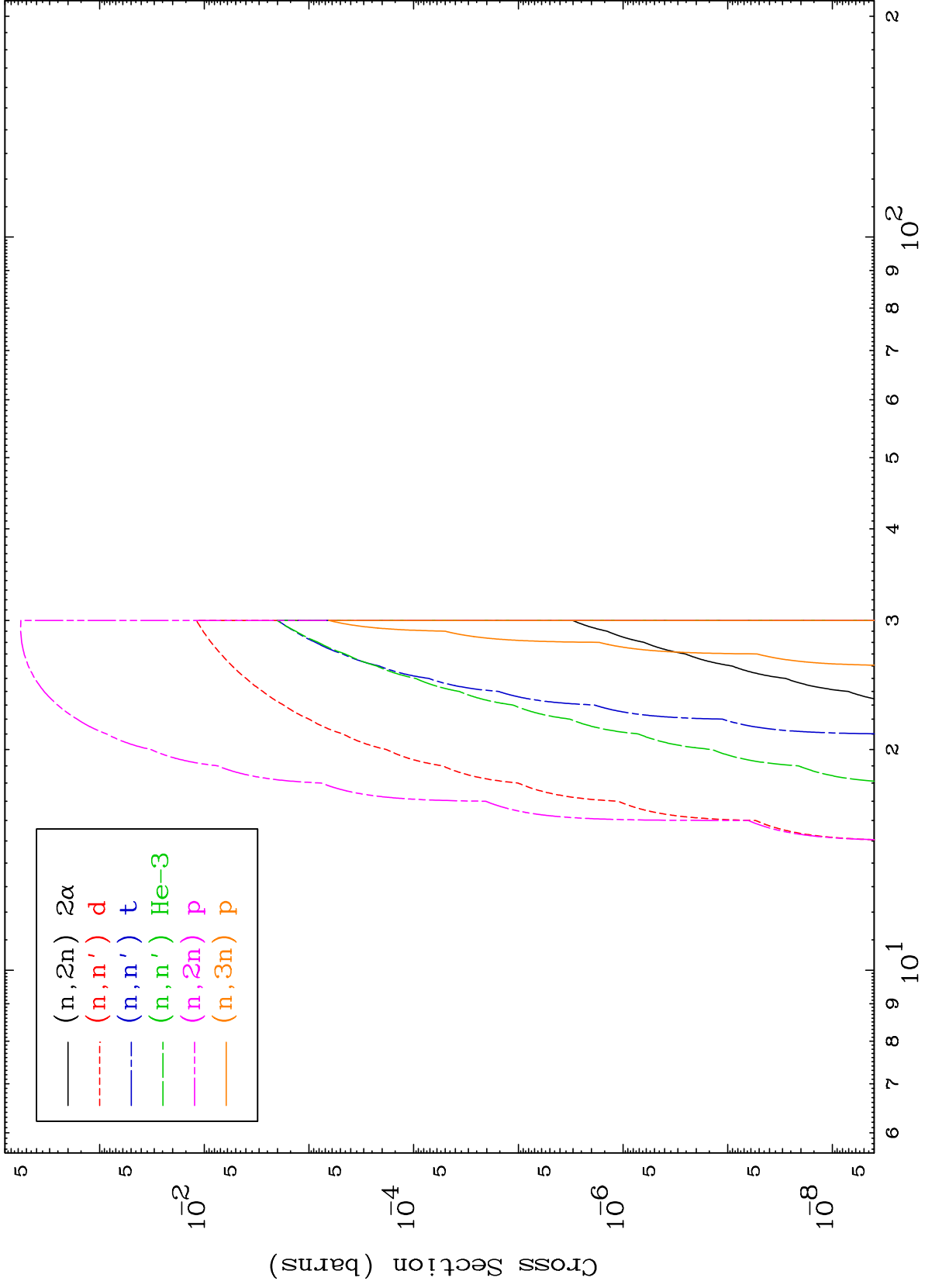




MAT 6210

Neutron Production
293 Kelvin Cross Sections

62-Sm-139



3

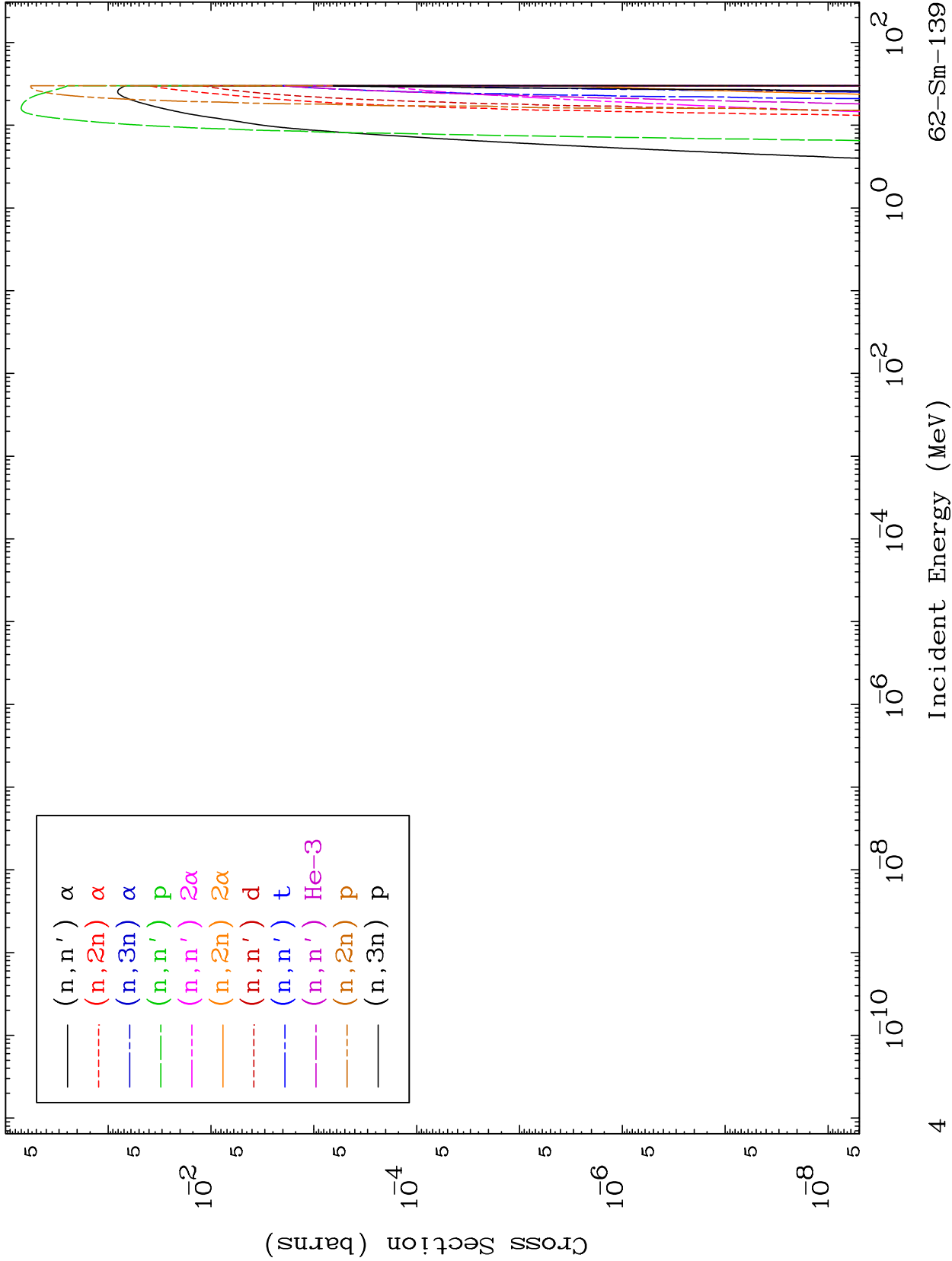
Incident Energy (MeV)

62-Sm-139

MAT 6210

Charged Particle
293 Kelvin Cross Sections

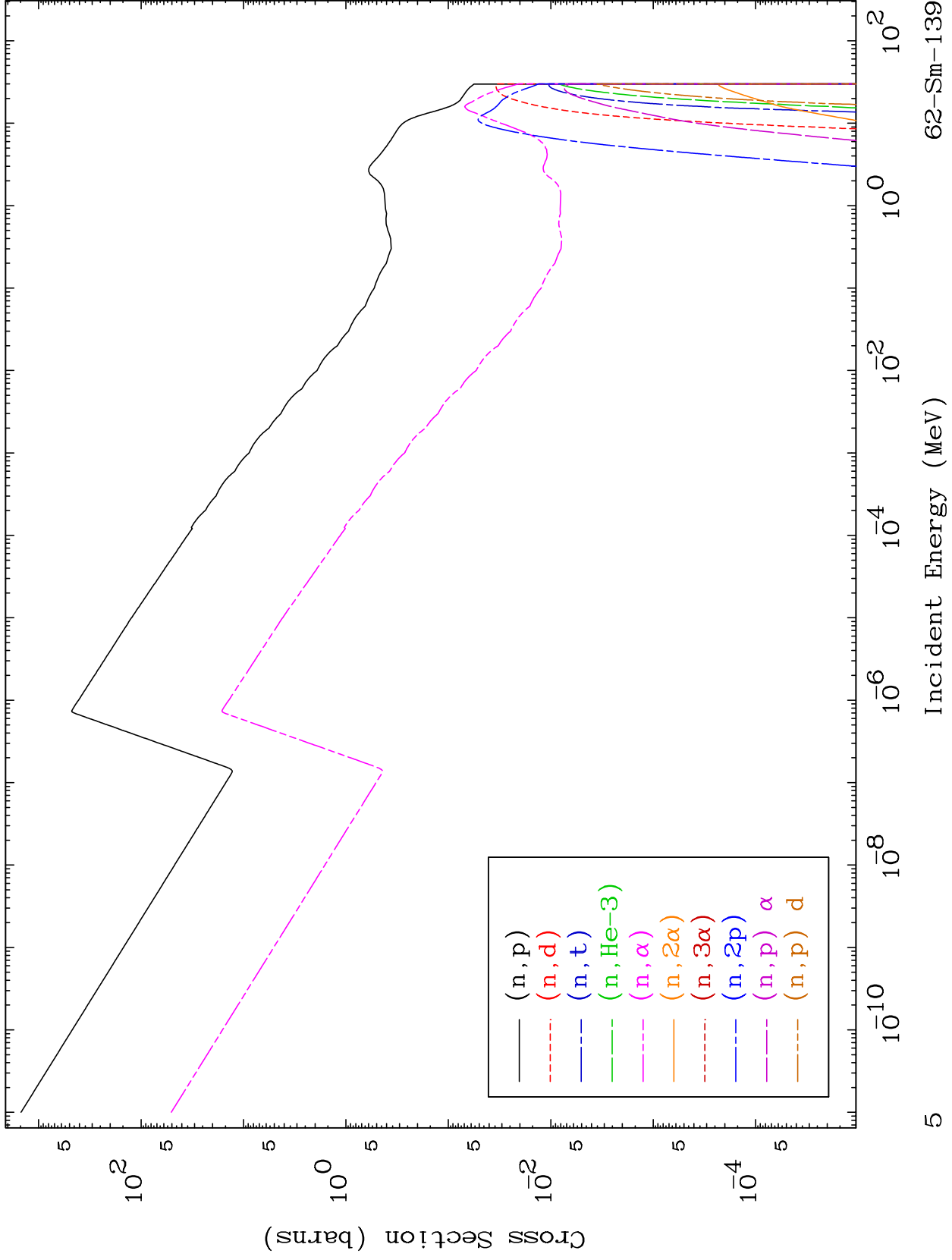
62-Sm-139



MAT 6210

Charged Particle
293 Kelvin Cross Sections

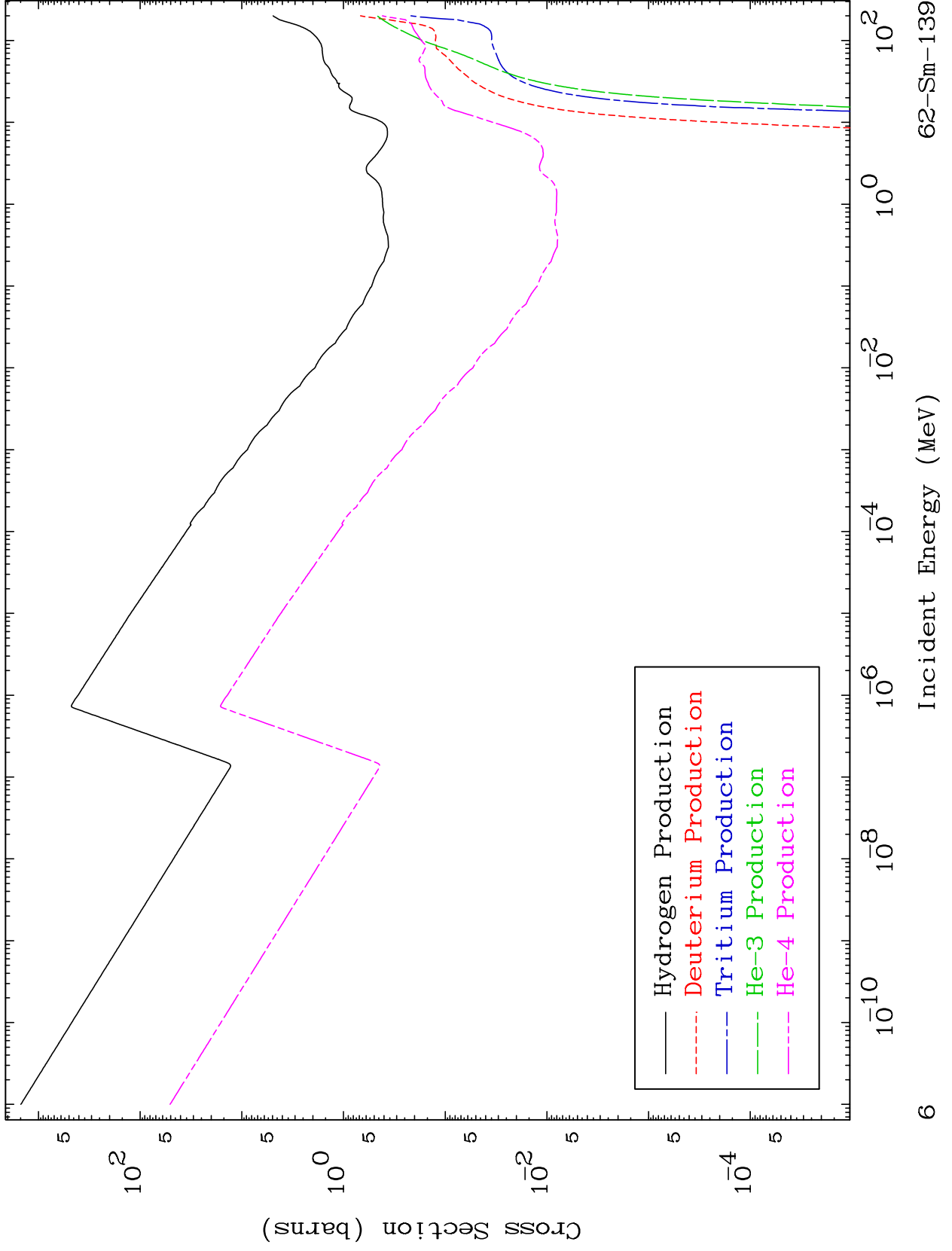
62-Sm-139



MAT 6210

Particle Production
293 Kelvin Cross Sections

62-Sm-139

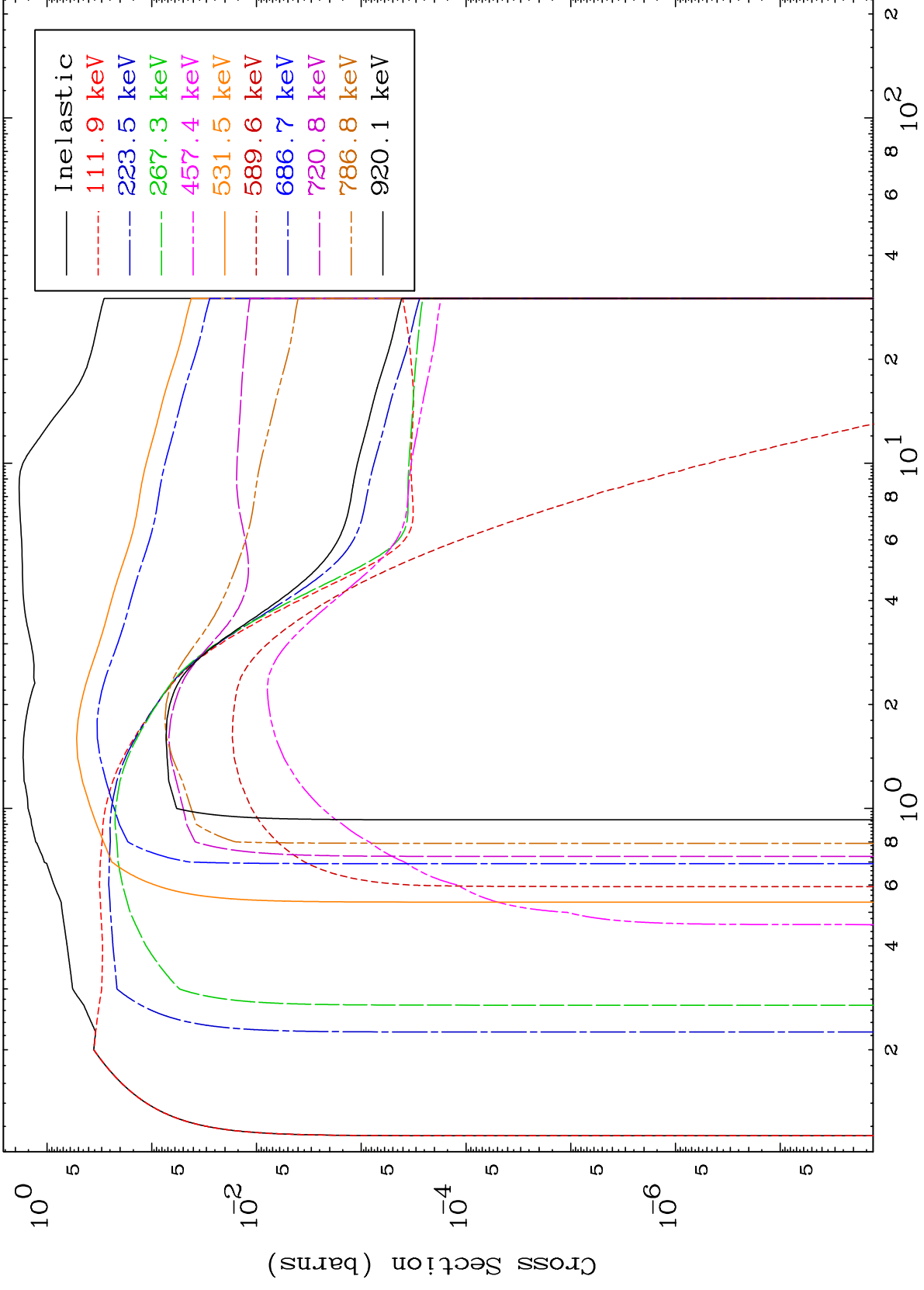


MAT 6210

(n,n') Level

62-Sm-139

293 Kelvin Cross Sections

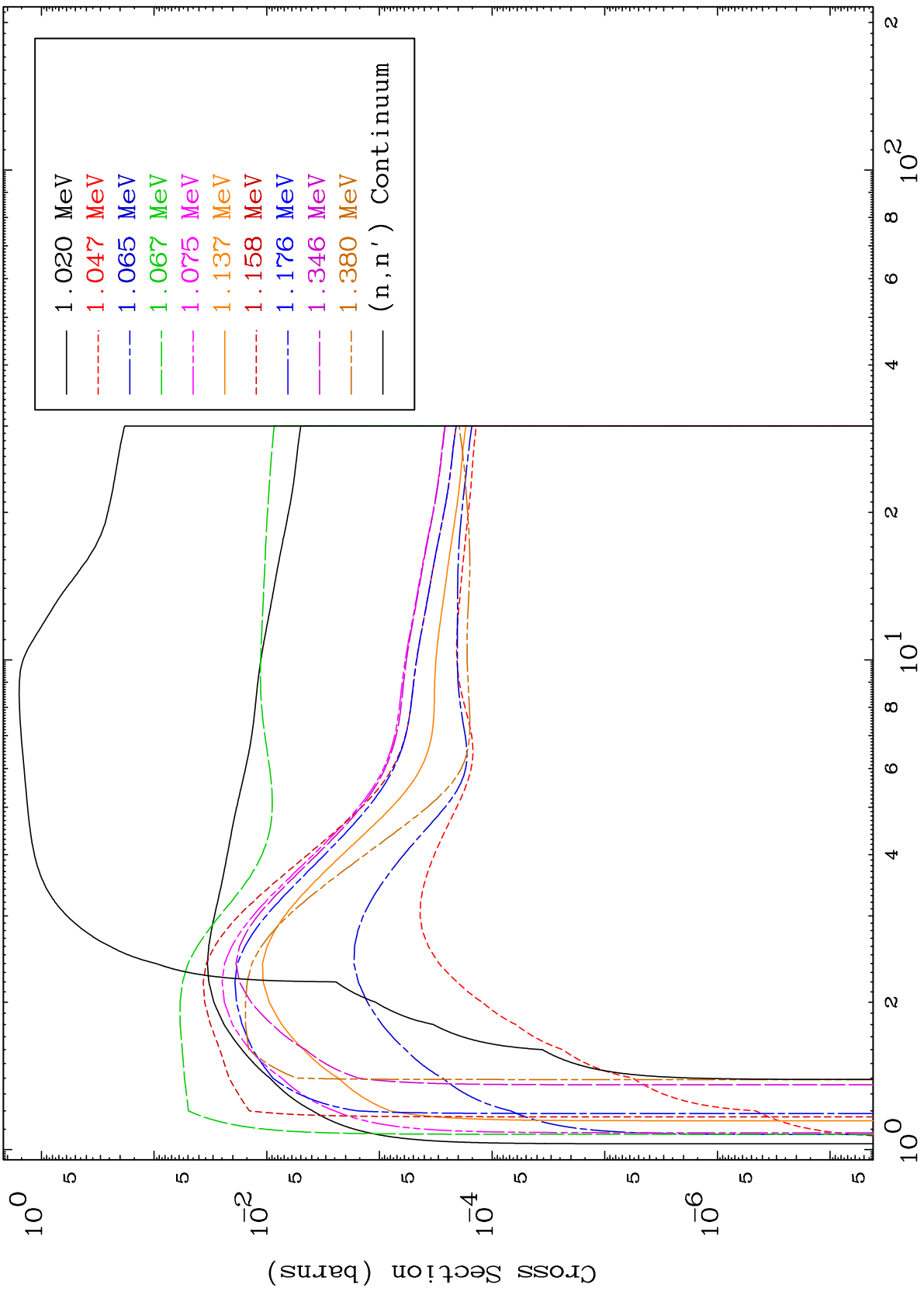


MAT 6210

(n,n') Level

62-Sm-139

293 Kelvin Cross Sections



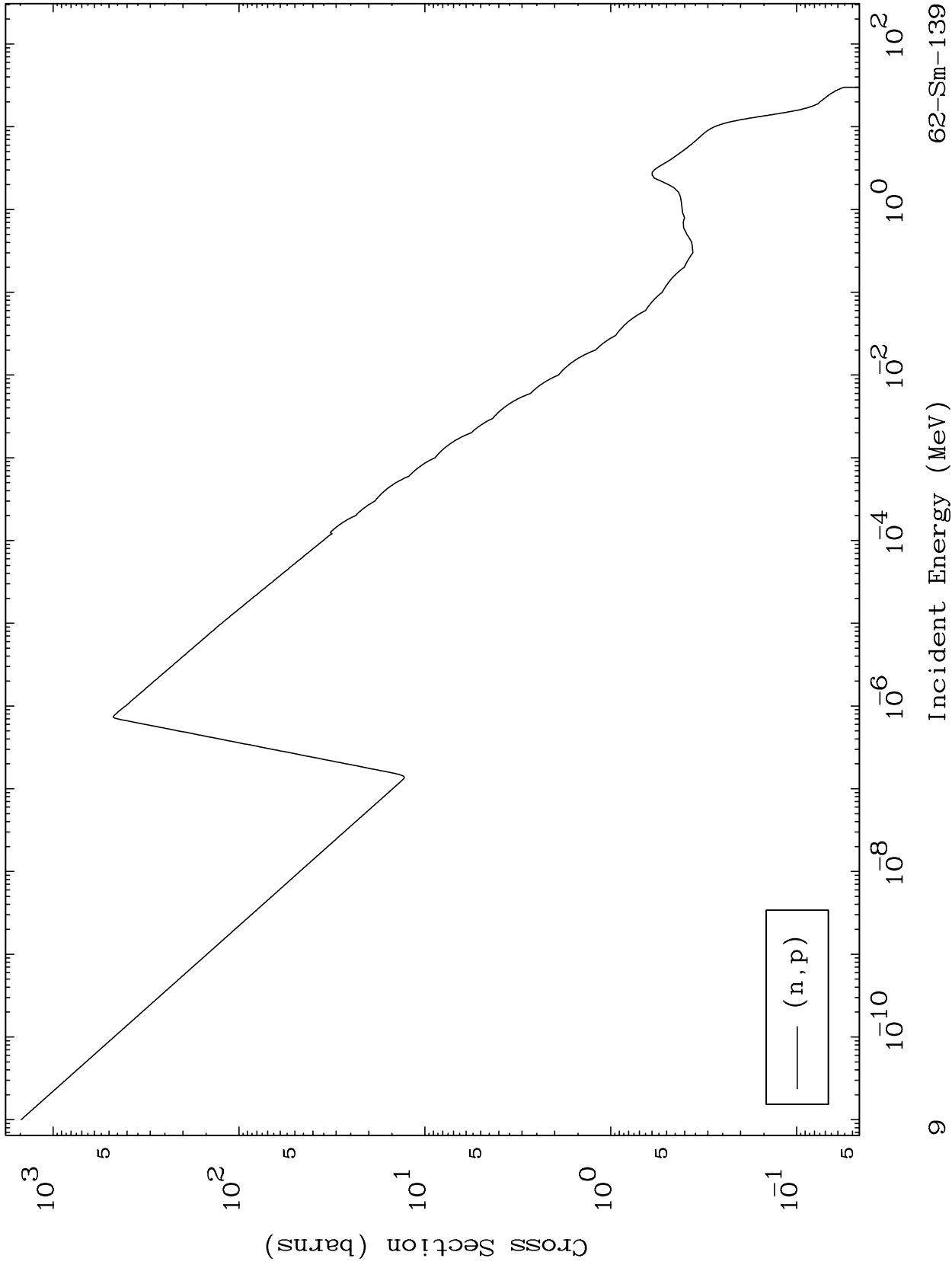
Incident Energy (MeV)

62-Sm-139

MAT 6210

(n,p) Levels
293 Kelvin Cross Sections

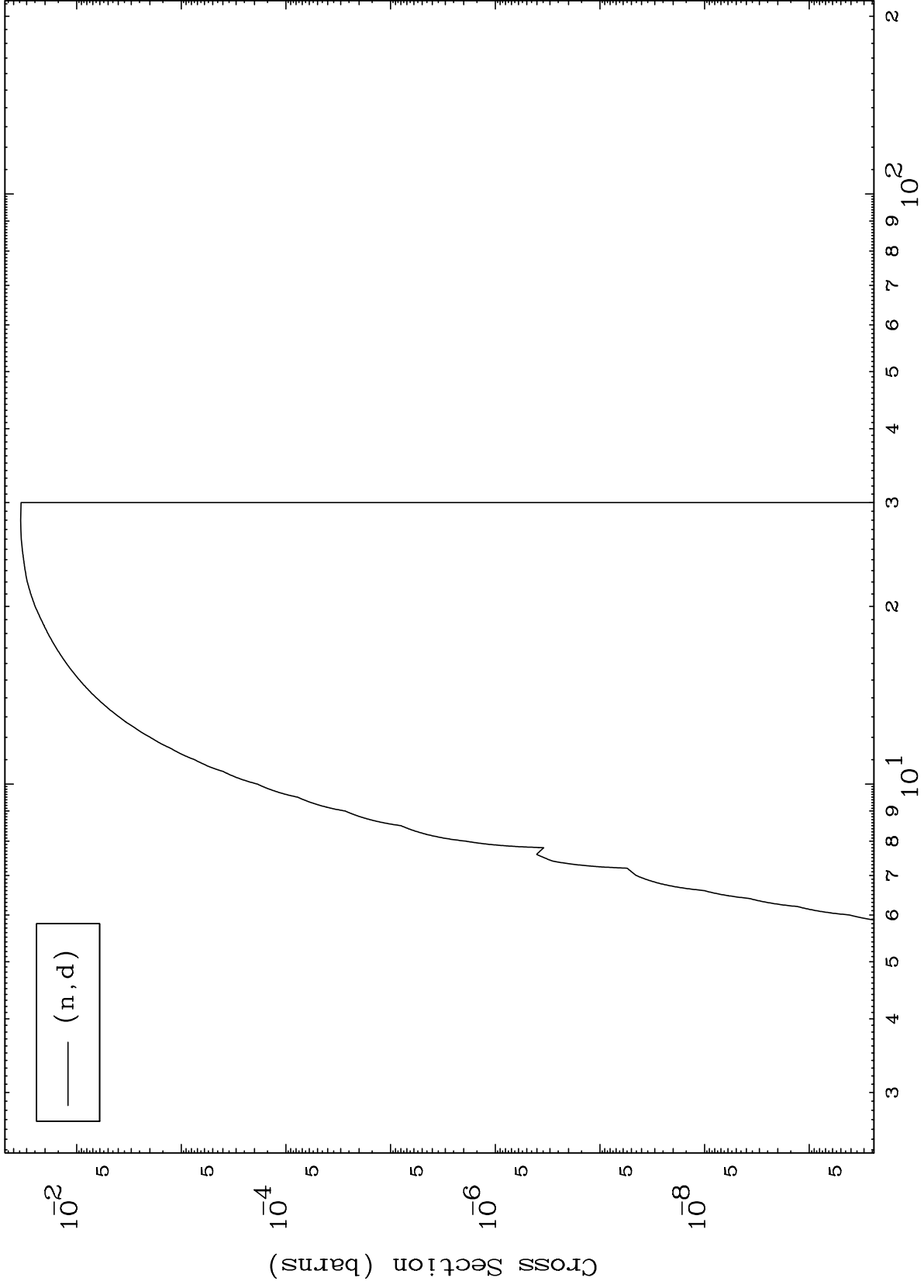
62-Sm-139



MAT 6210

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-139



10

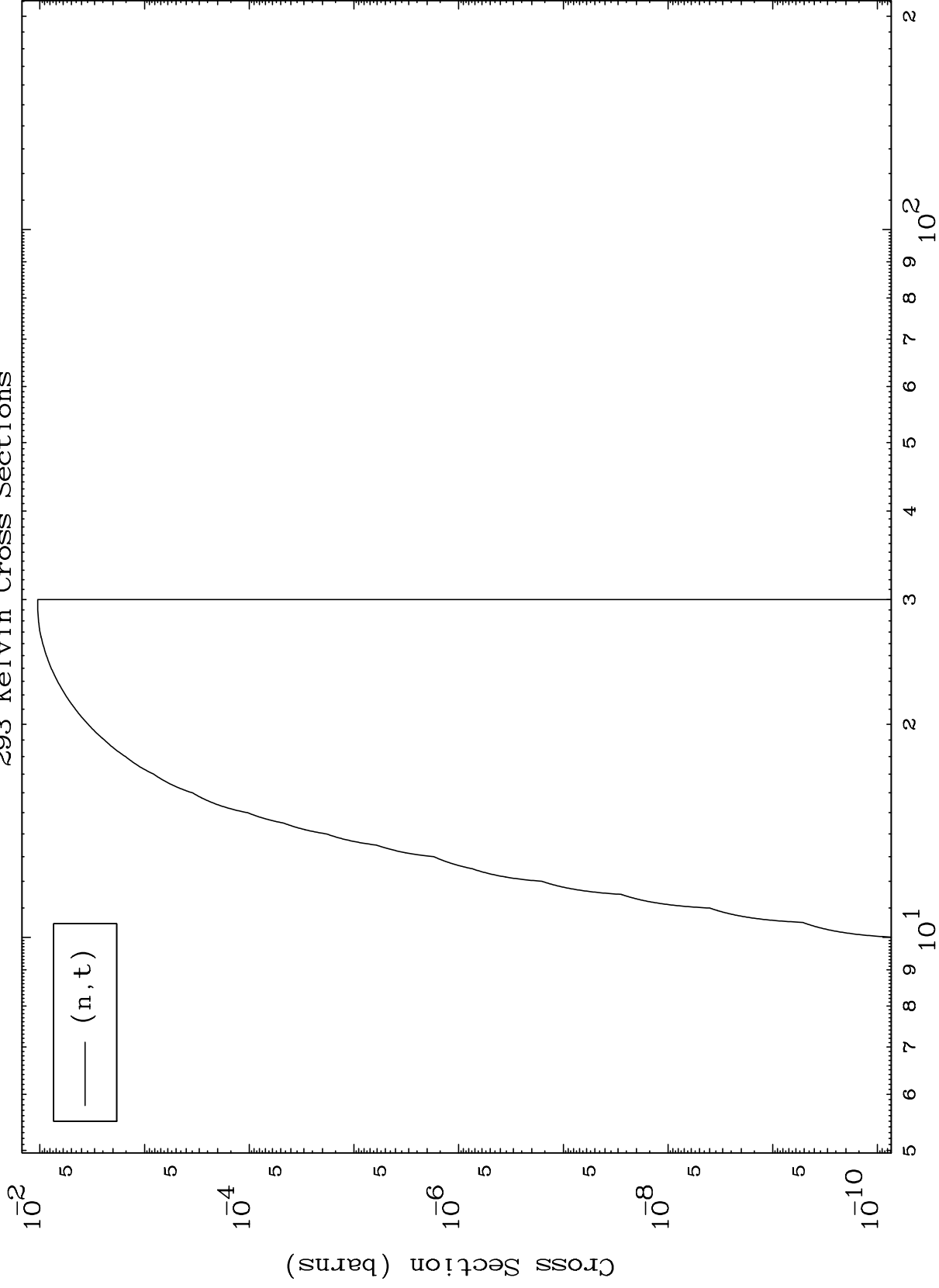
Incident Energy (MeV)

62-Sm-139

MAT 6210

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-139



11

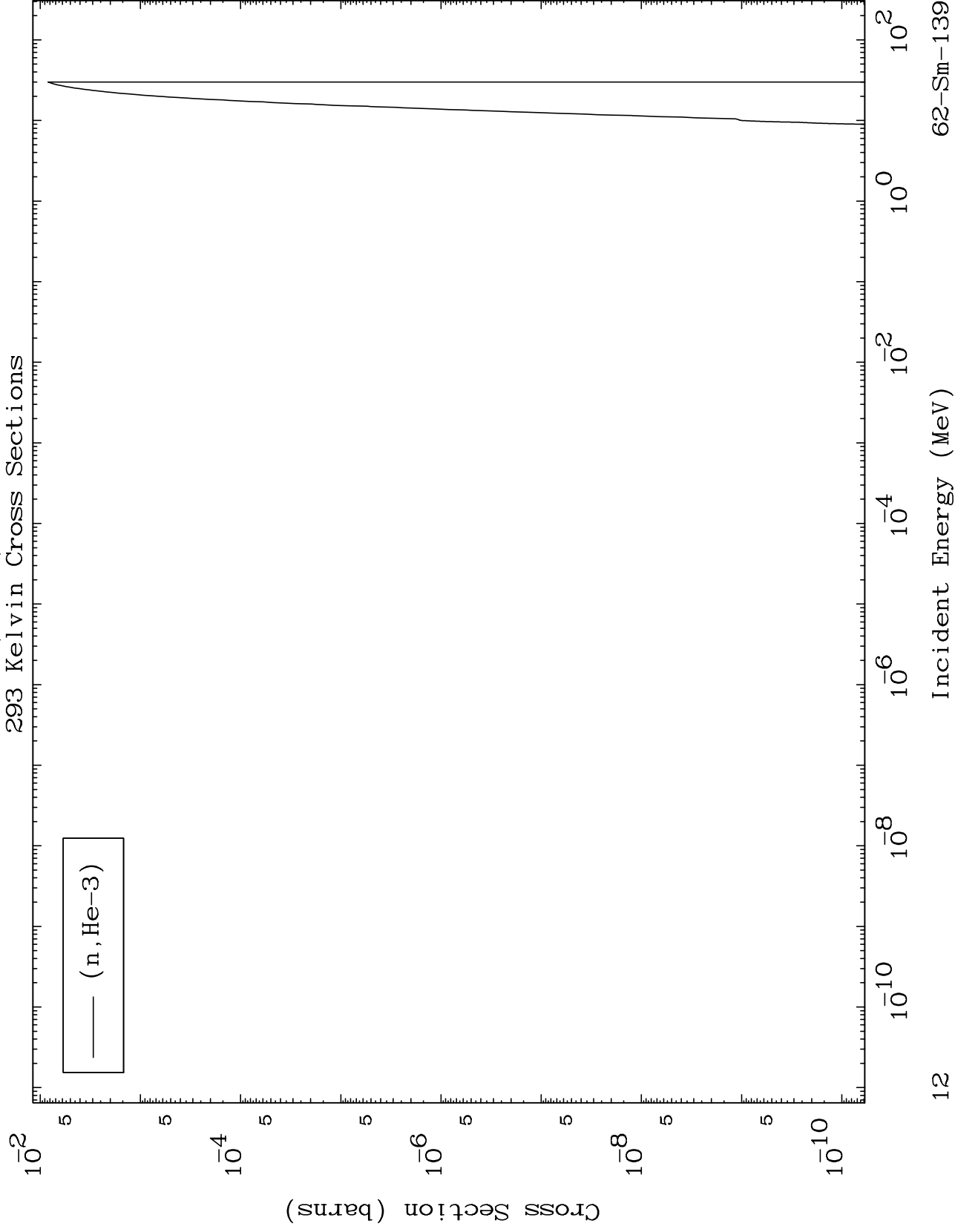
Incident Energy (MeV)

62-Sm-139

MAT 6210

(n,He3) Levels
293 Kelvin Cross Sections

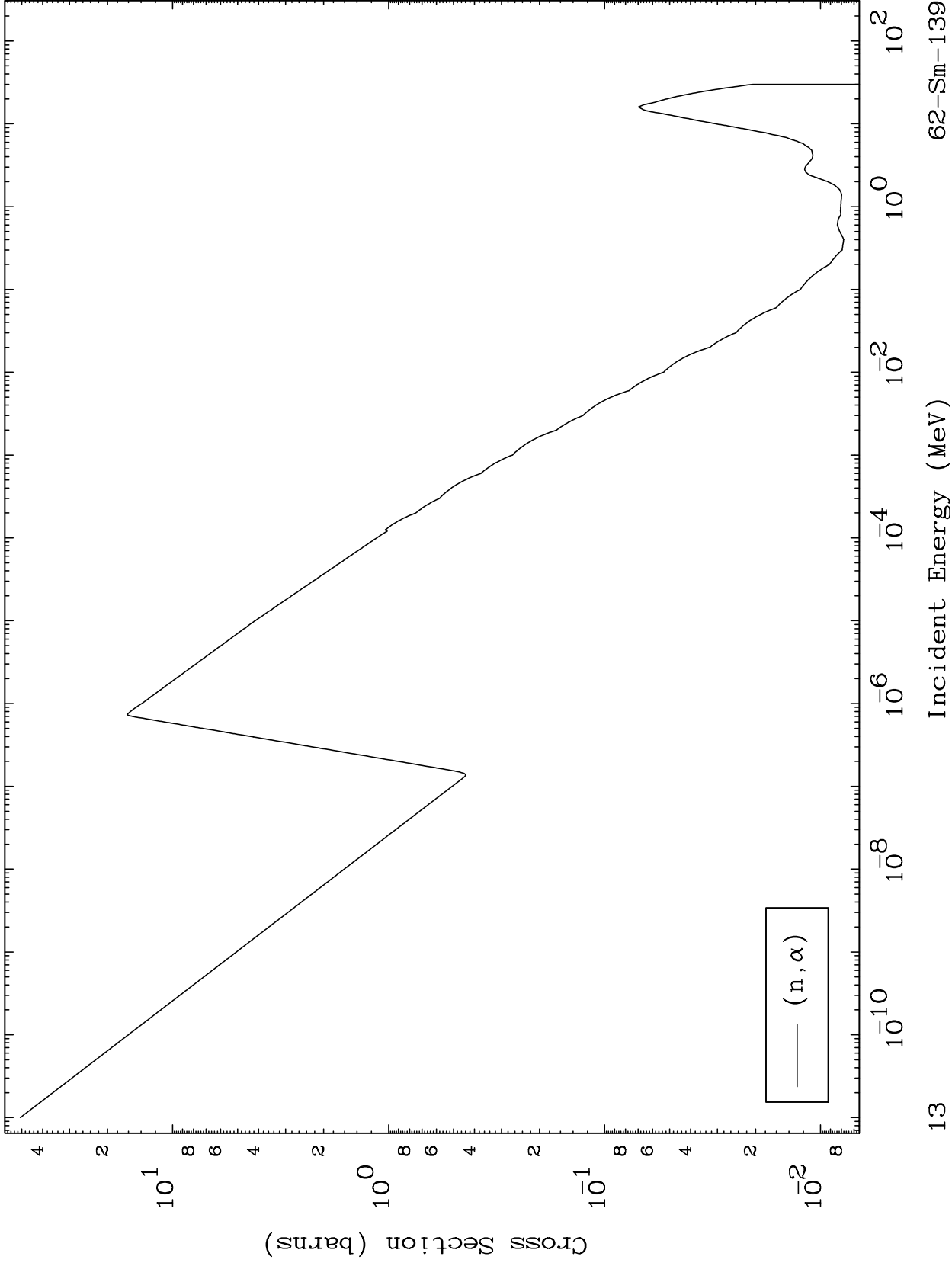
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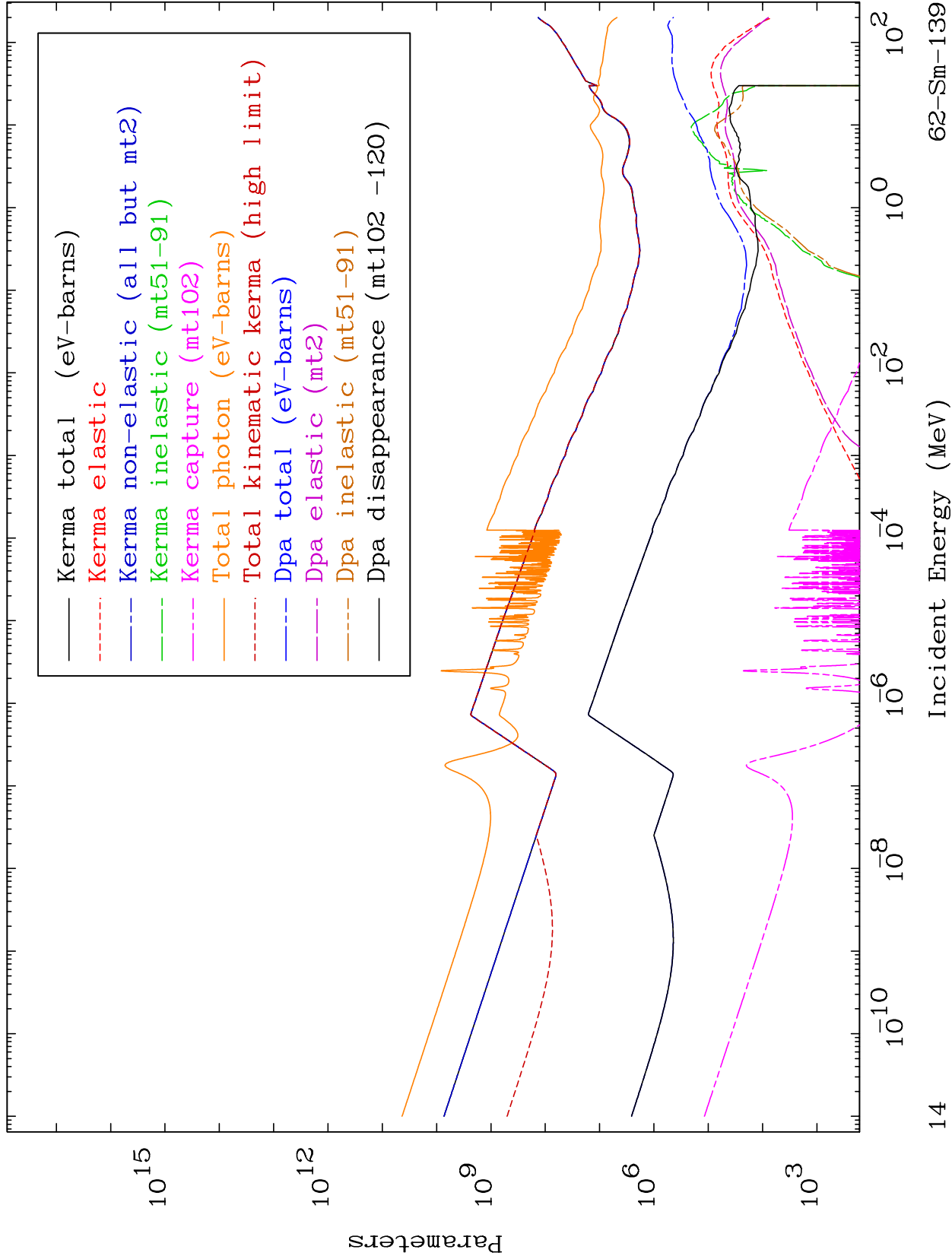


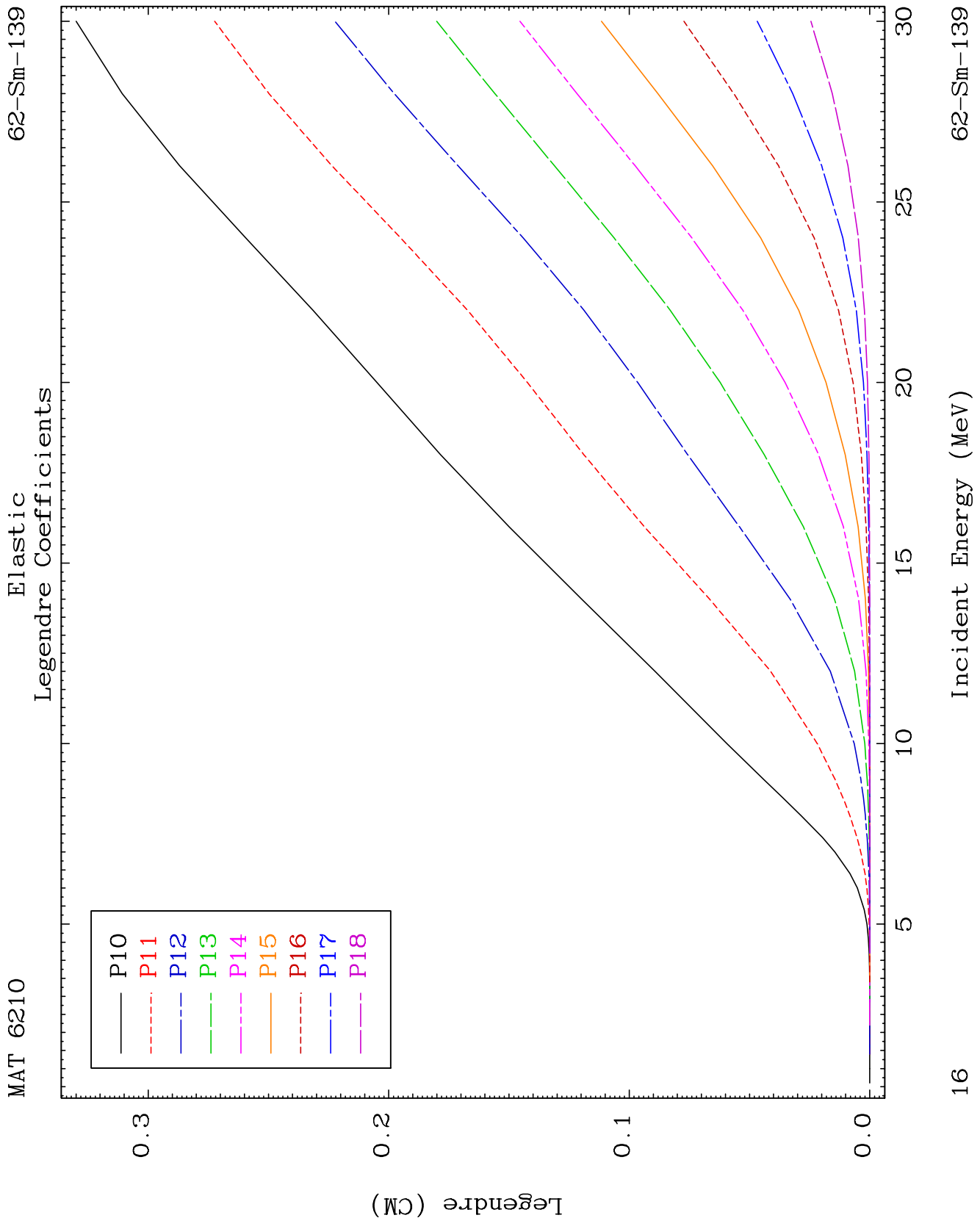
MAT 6210

(n, α) Levels
293 Kelvin Cross Sections

62-Sm-139



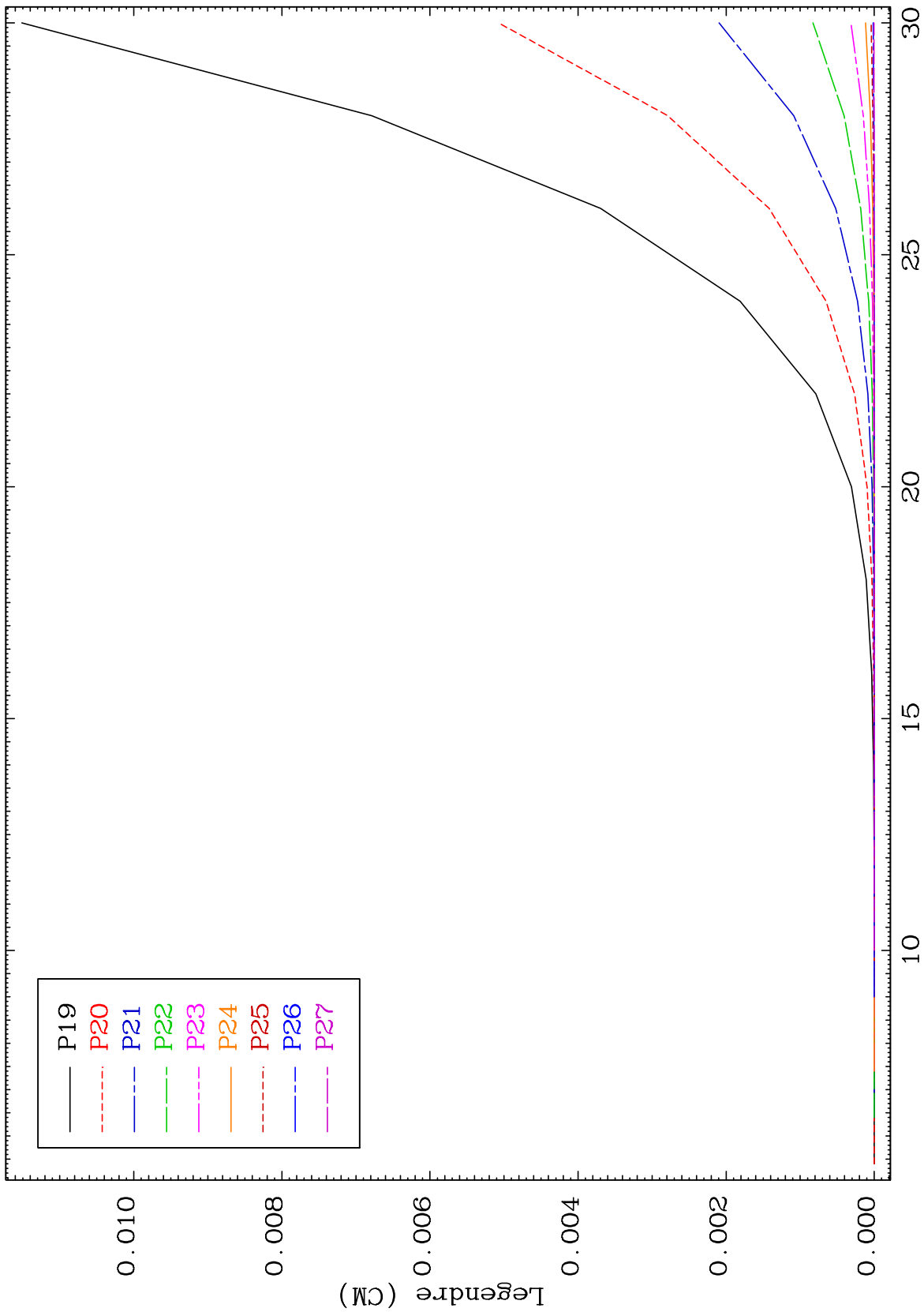




MAT 6210

Elastic Legendre Coefficients

62-Sm-139



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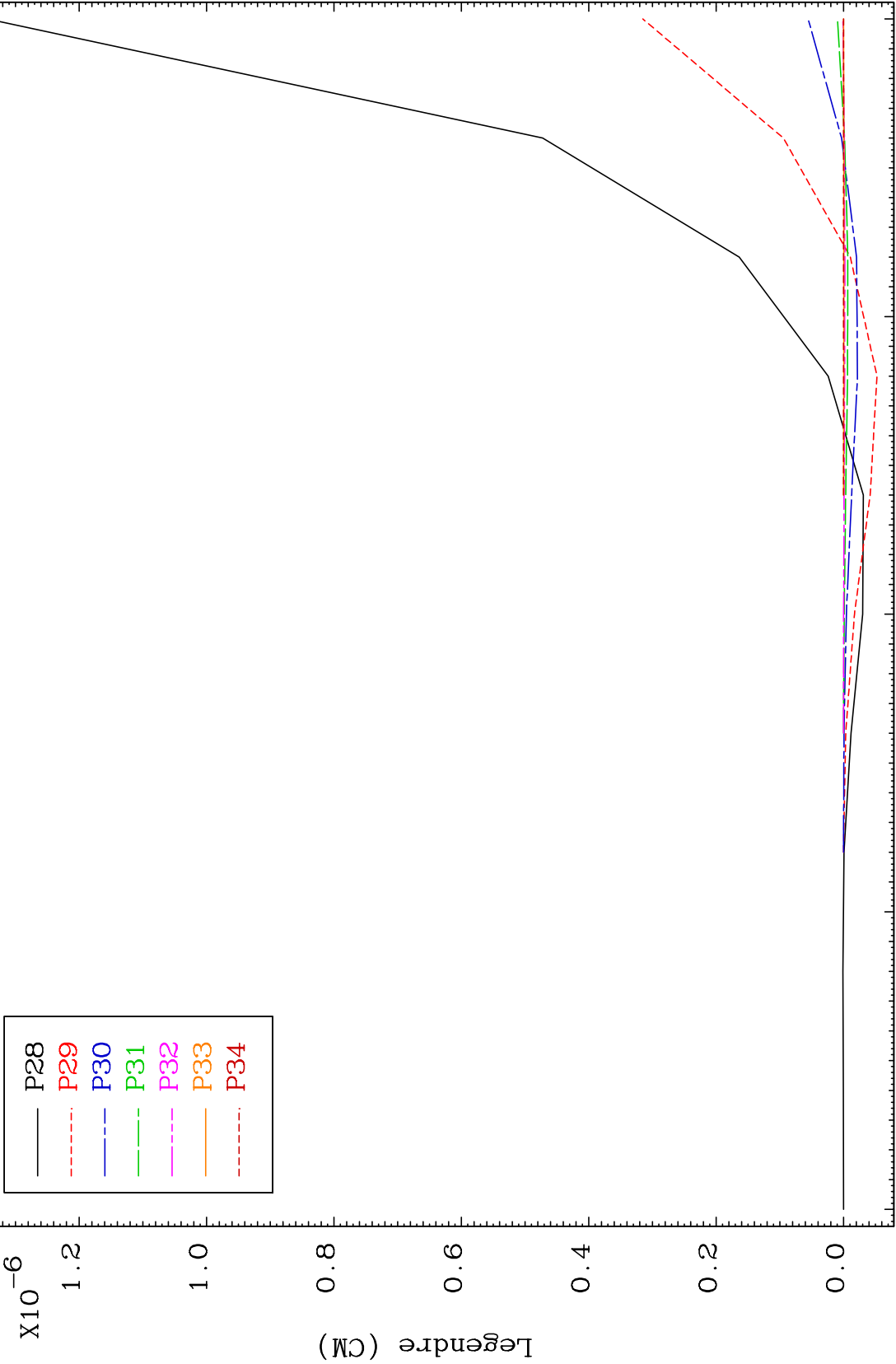
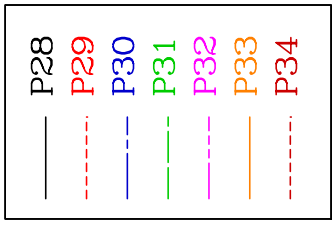
Incident Energy (MeV)

62-Sm-139

MAT 6210

Elastic Legendre Coefficients

62-Sm-139



18

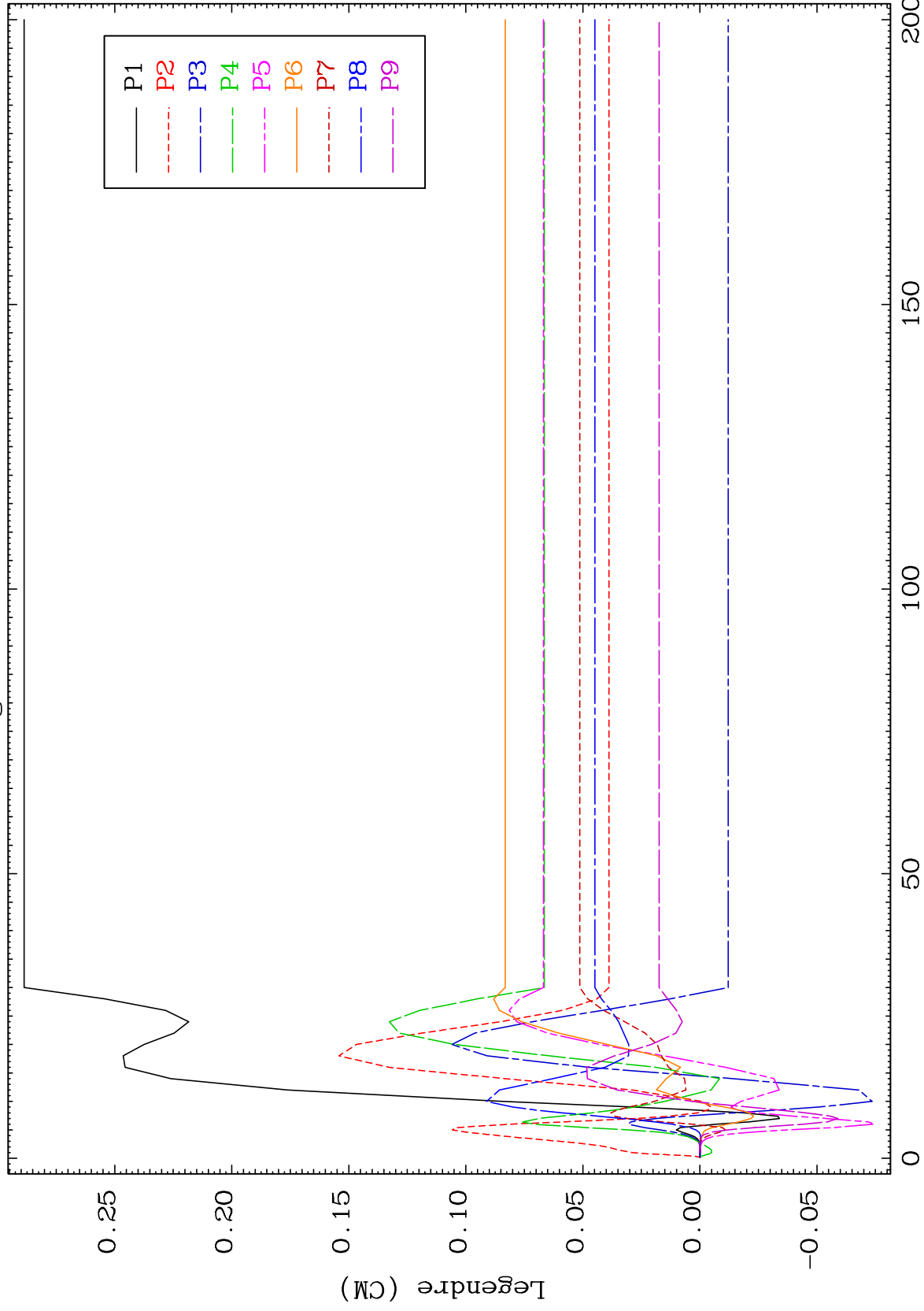
Incident Energy (MeV)

62-Sm-139

MAT 6210

111.9 keV (n,n') Level
Legendre Coefficients

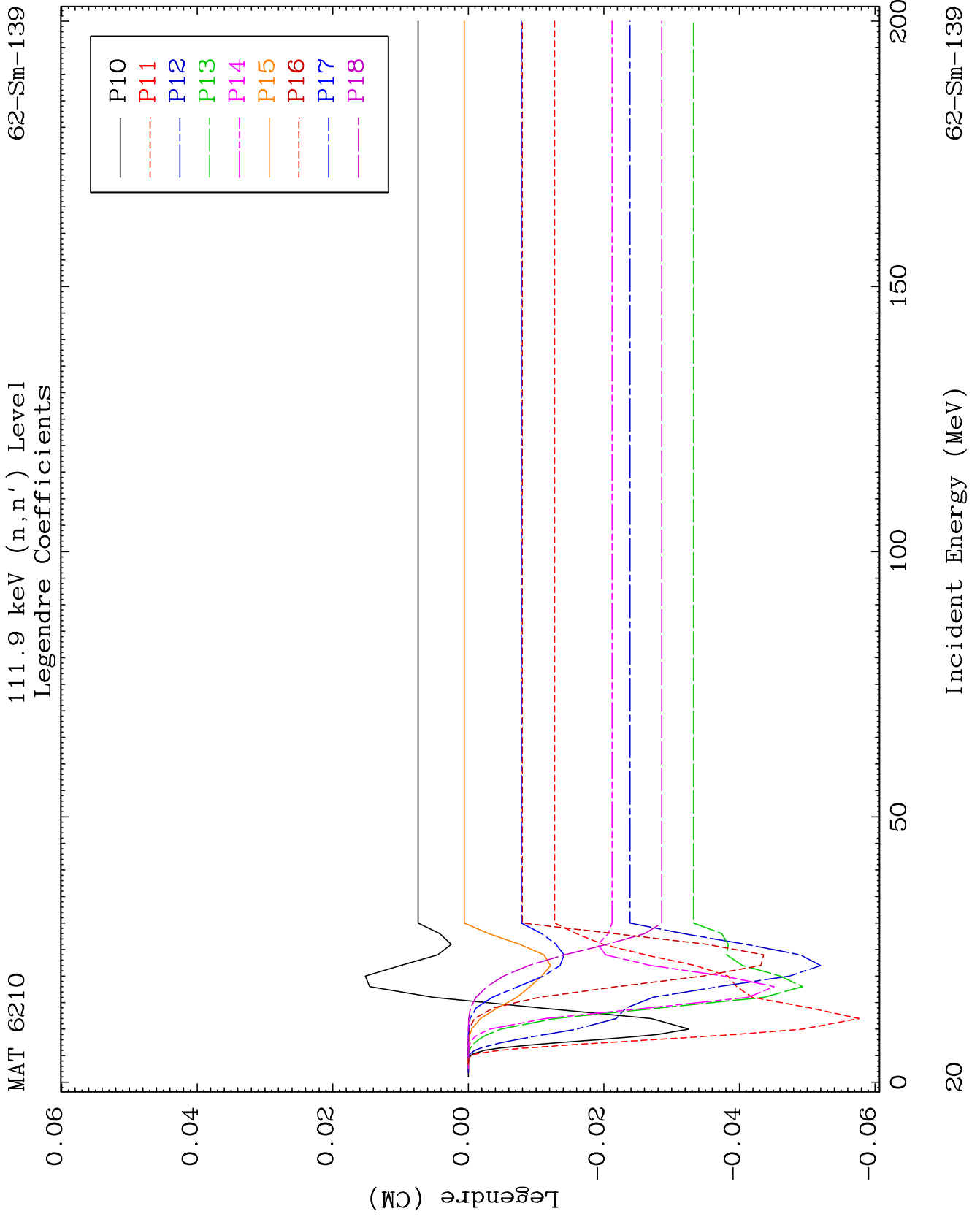
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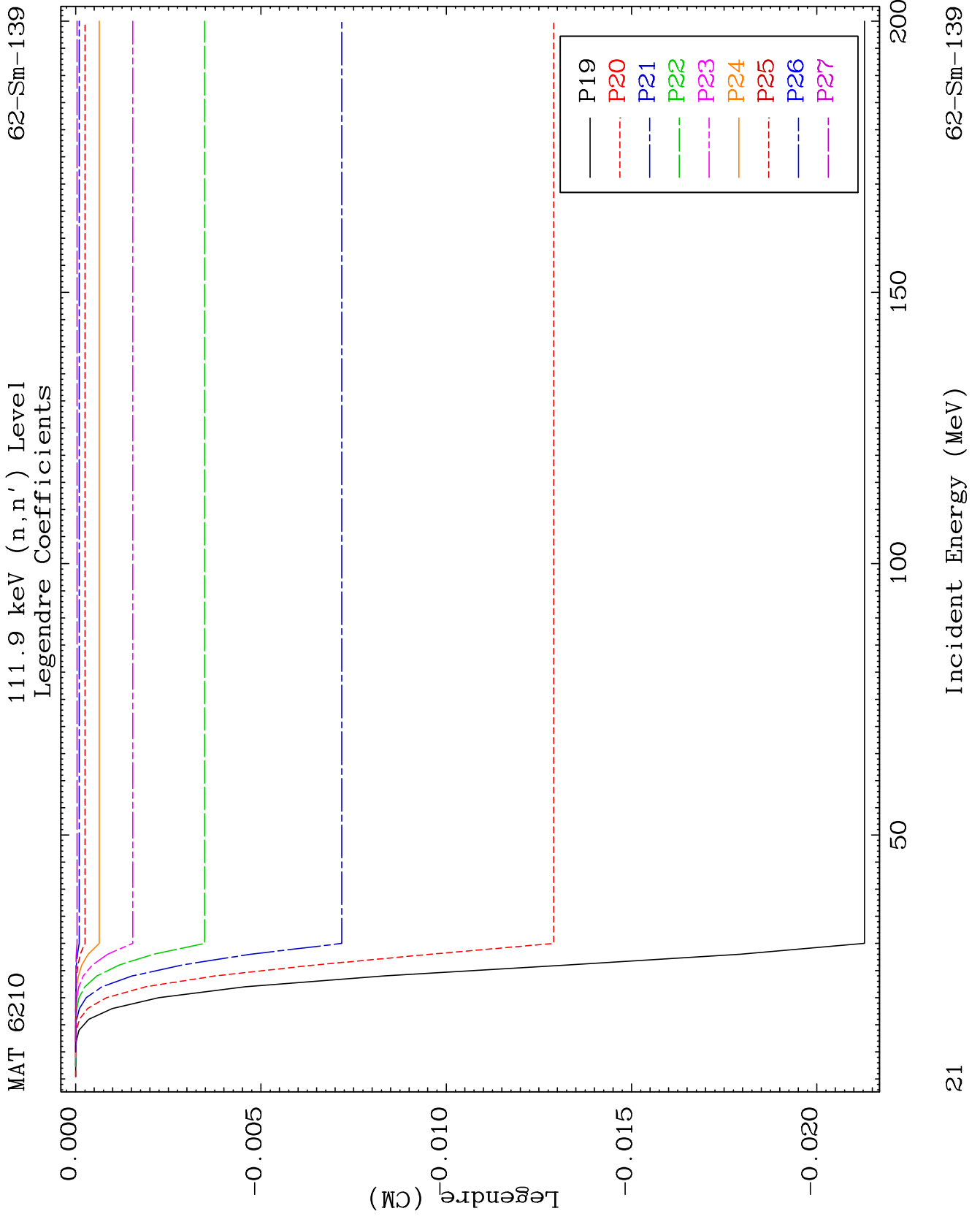


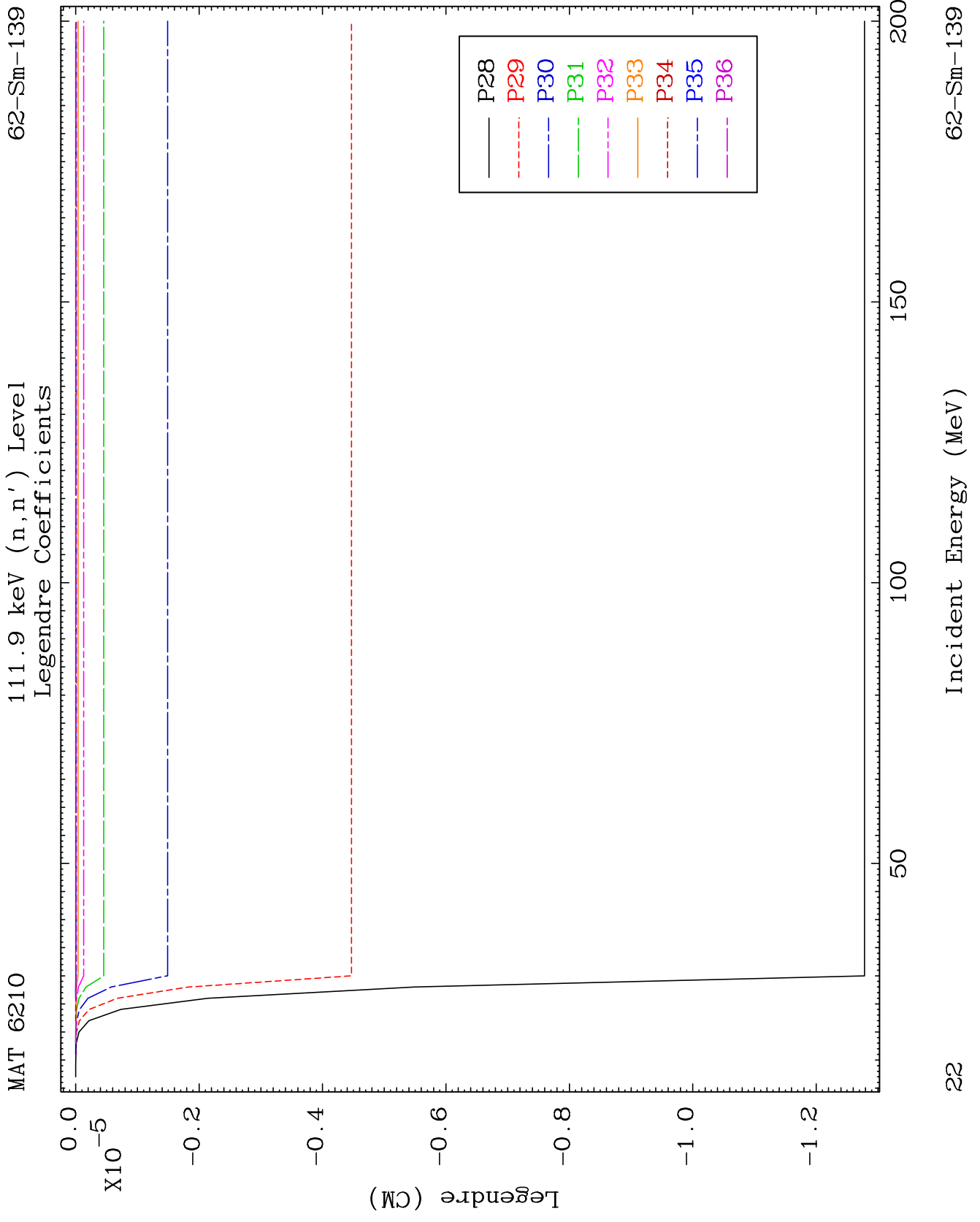
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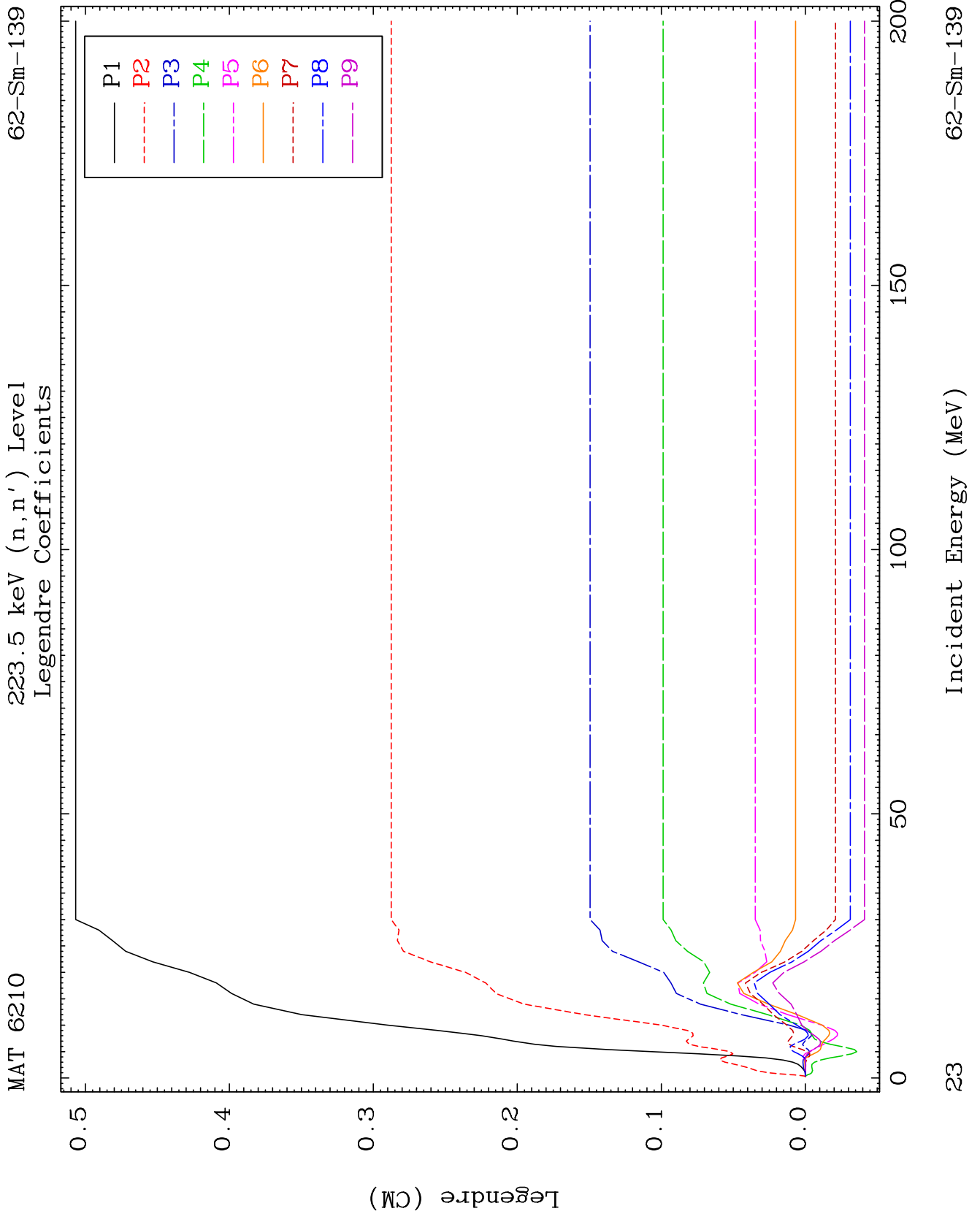
Incident Energy (MeV)

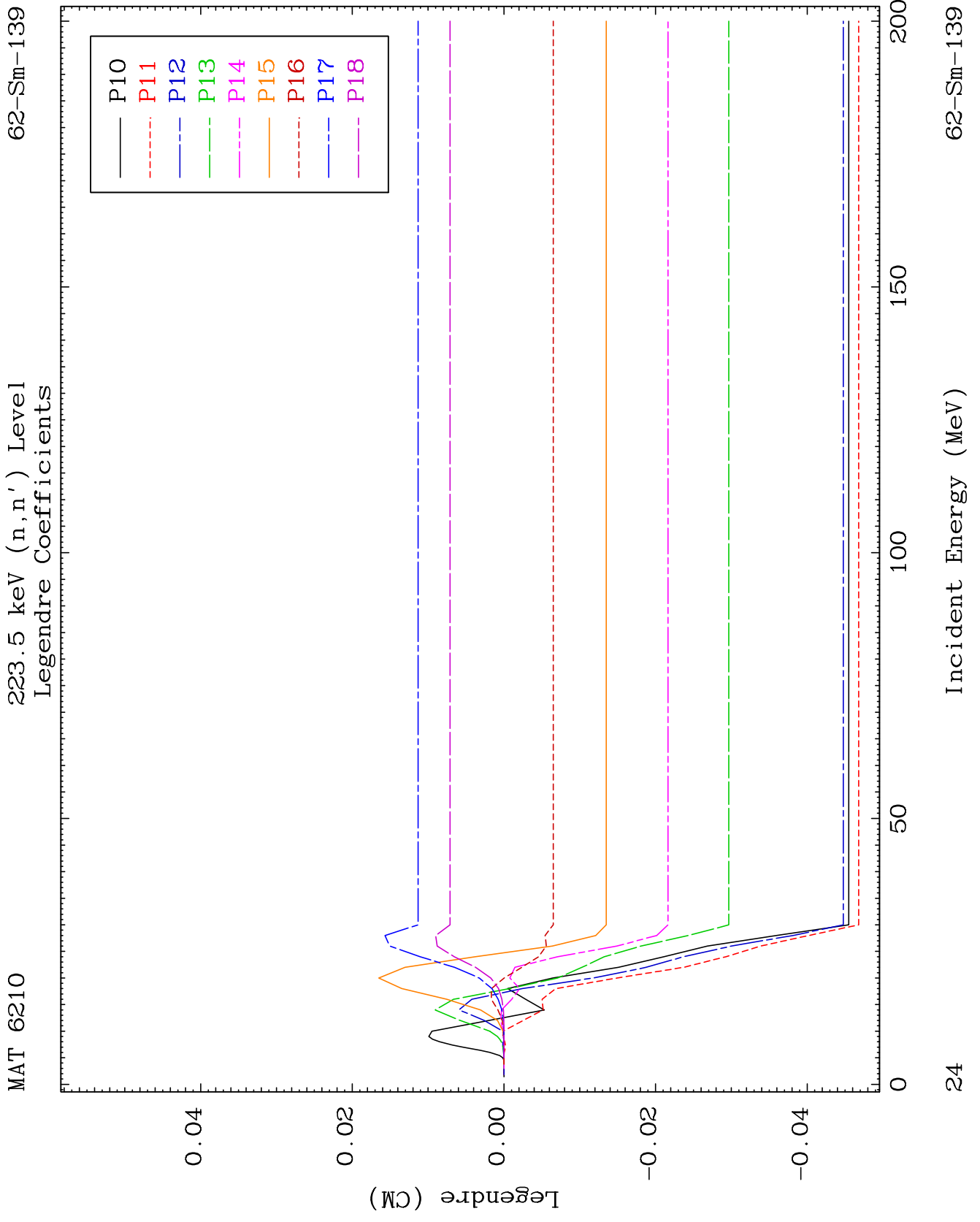
62-Sm-139







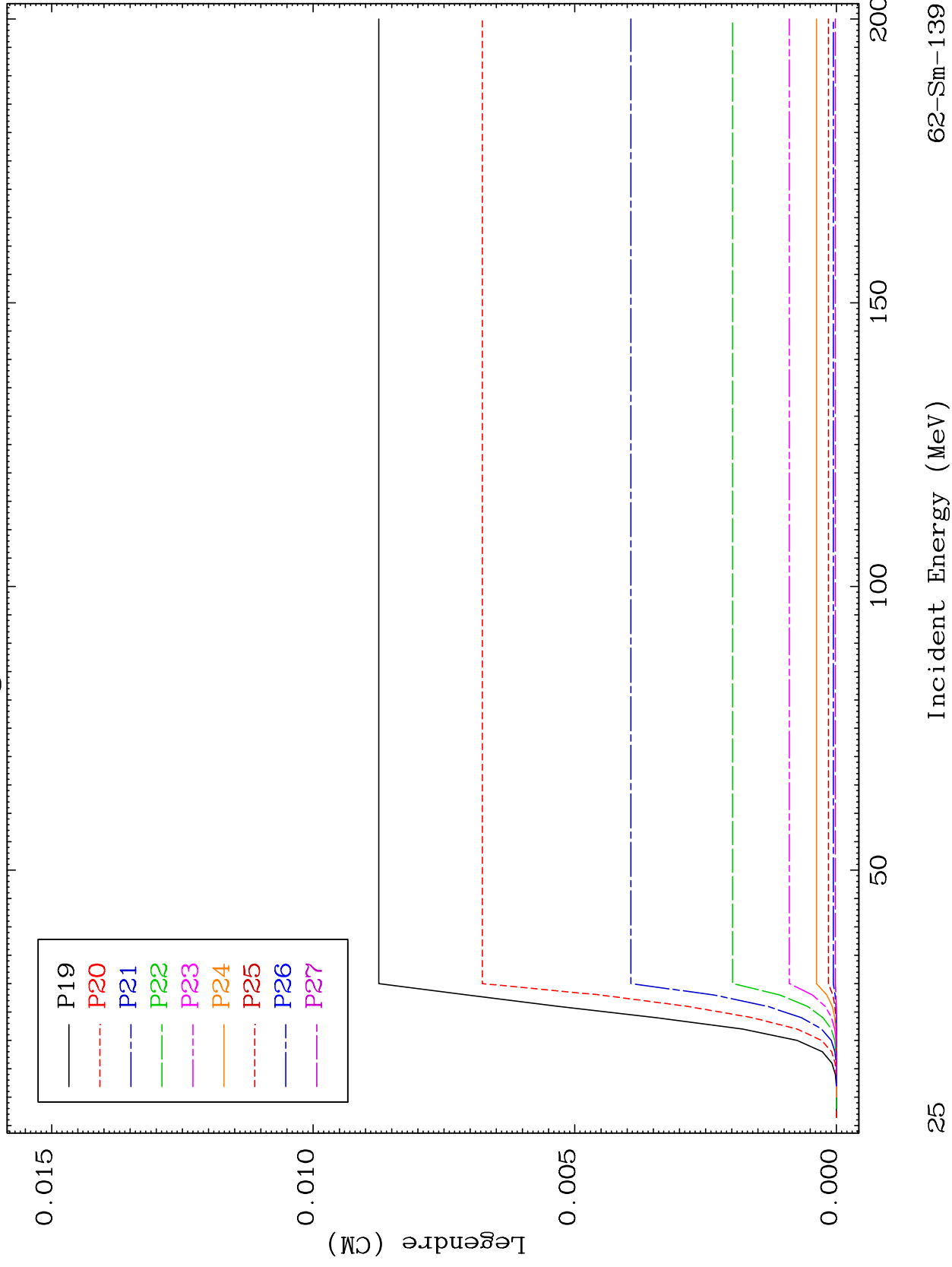




MAT 6210

223.5 keV (n,n') Level
Legendre Coefficients

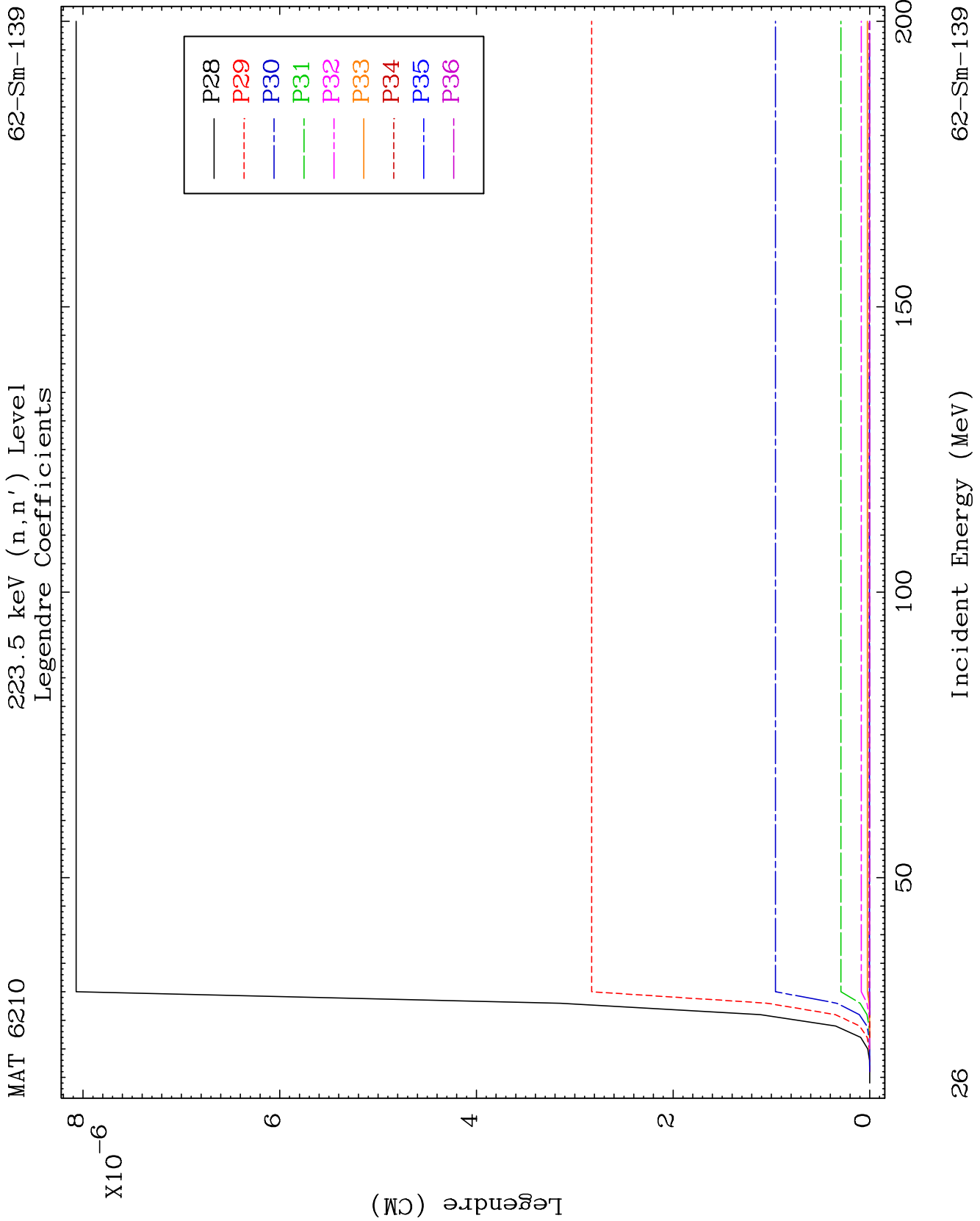
62-Sm-139



25

Incident Energy (MeV)

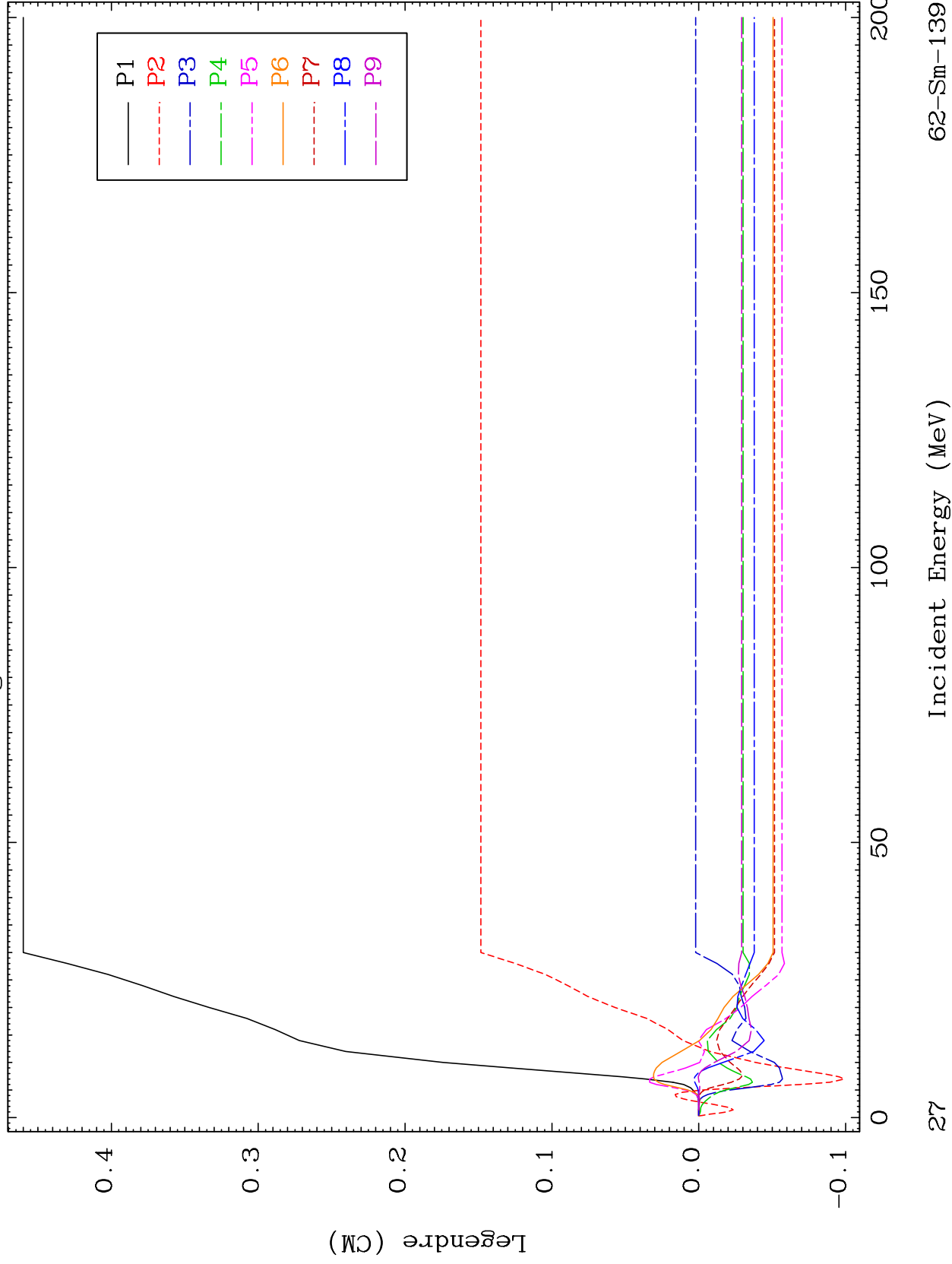
62-Sm-139



MAT 6210

267.3 keV (n,n') Level
Legendre Coefficients

62-Sm-139



62-Sm-139

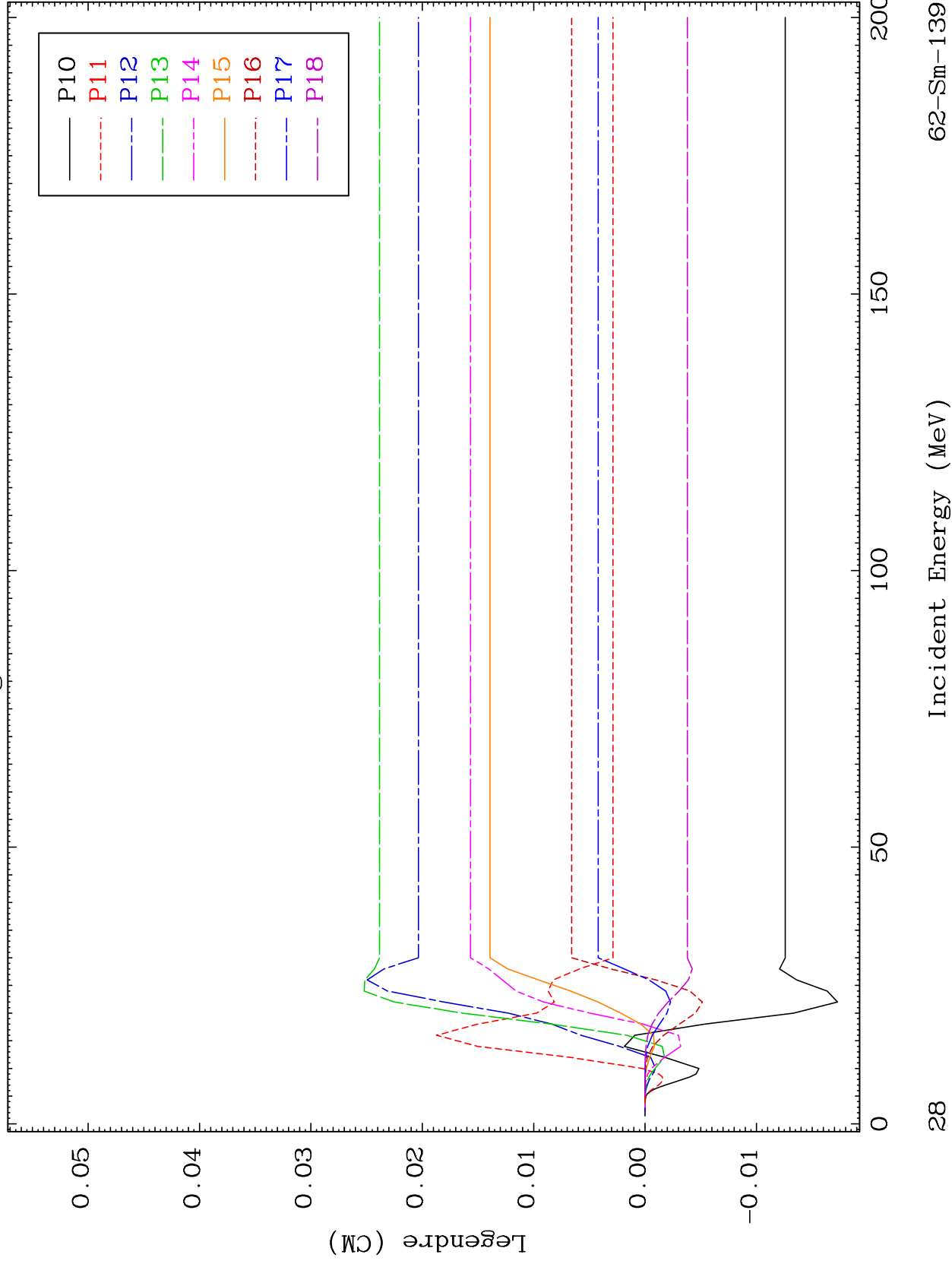
Incident Energy (MeV)

27

MAT 6210

267.3 keV (n,n') Level
Legendre Coefficients

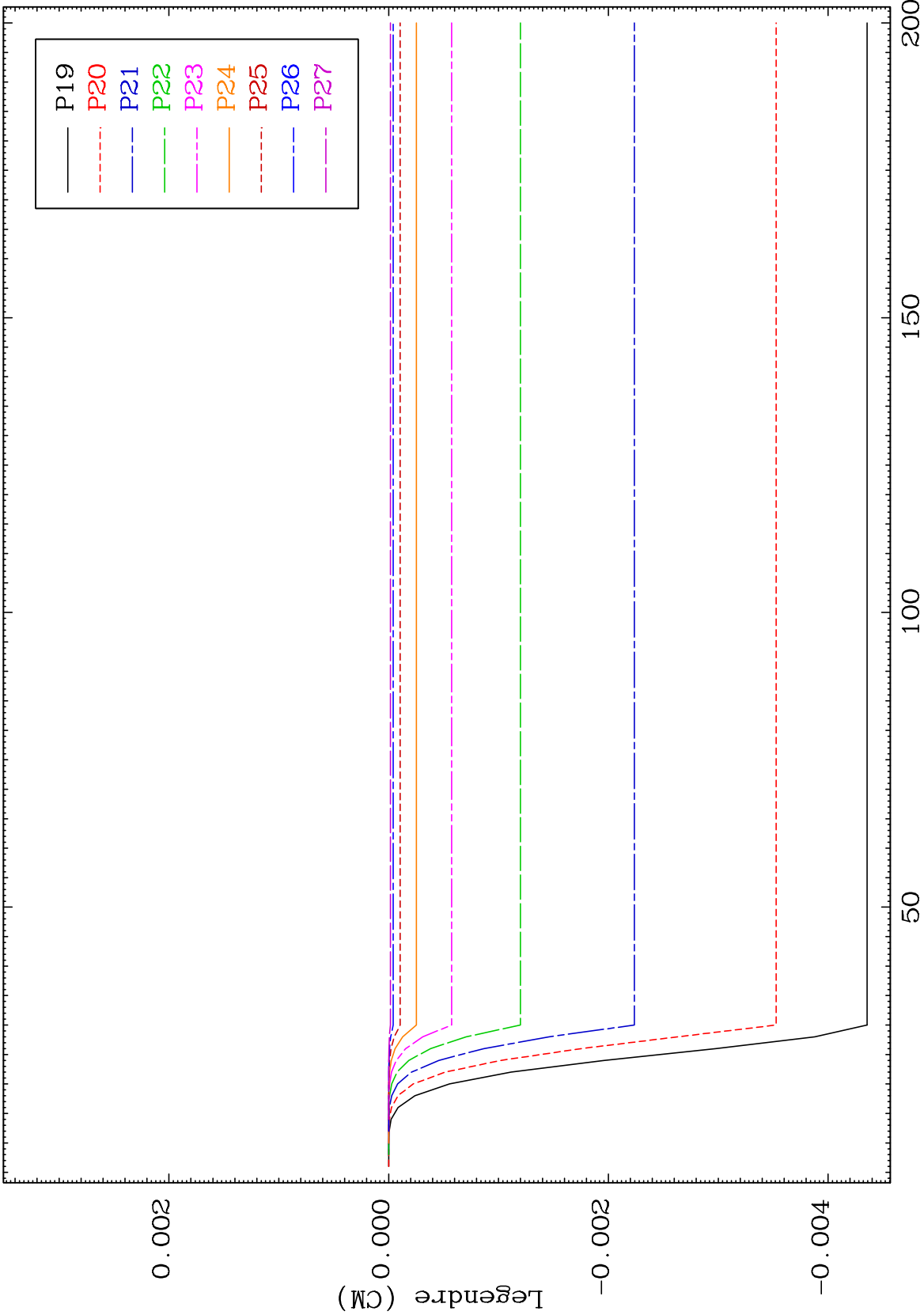
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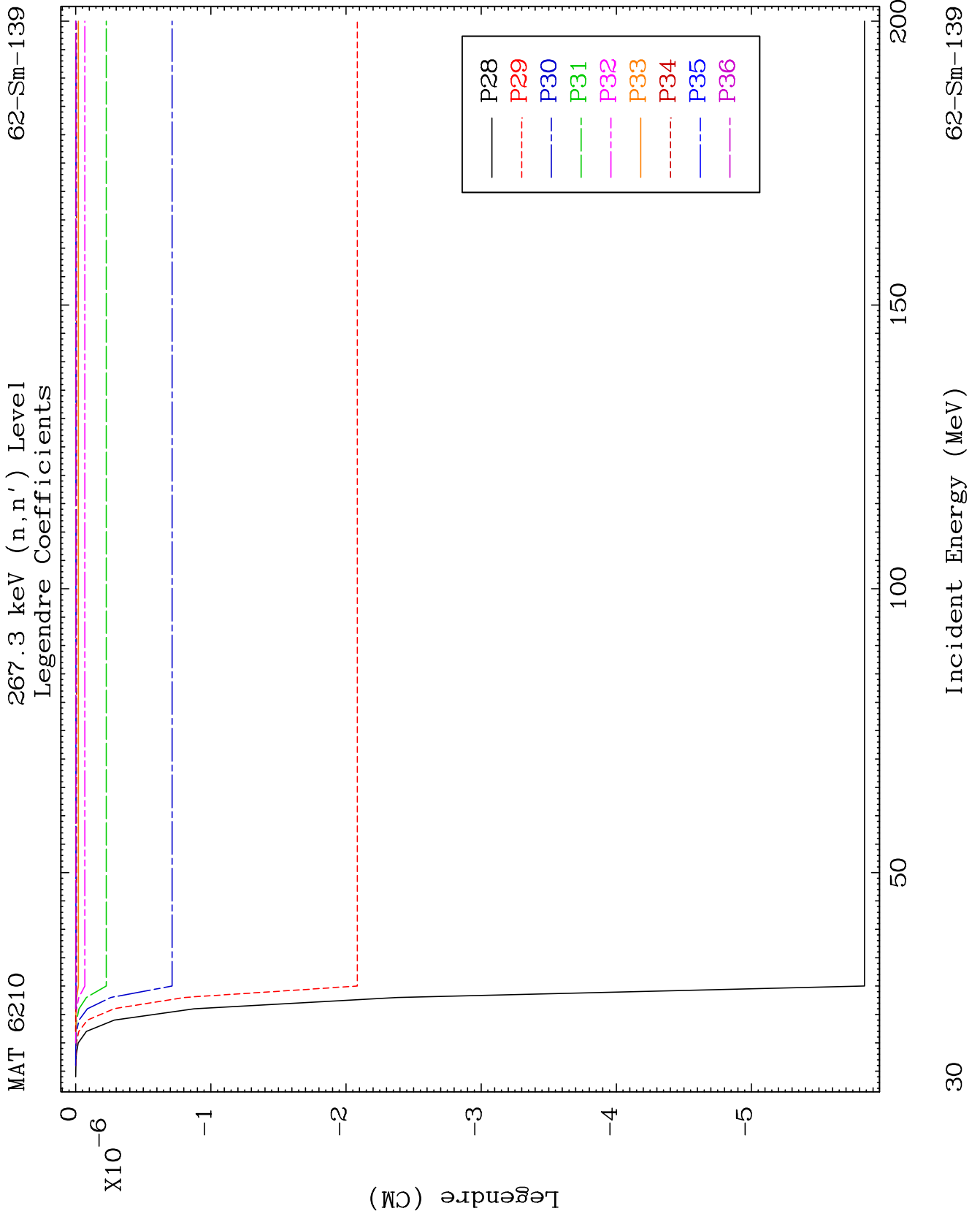


62-Sm-139

Incident Energy (MeV)

28

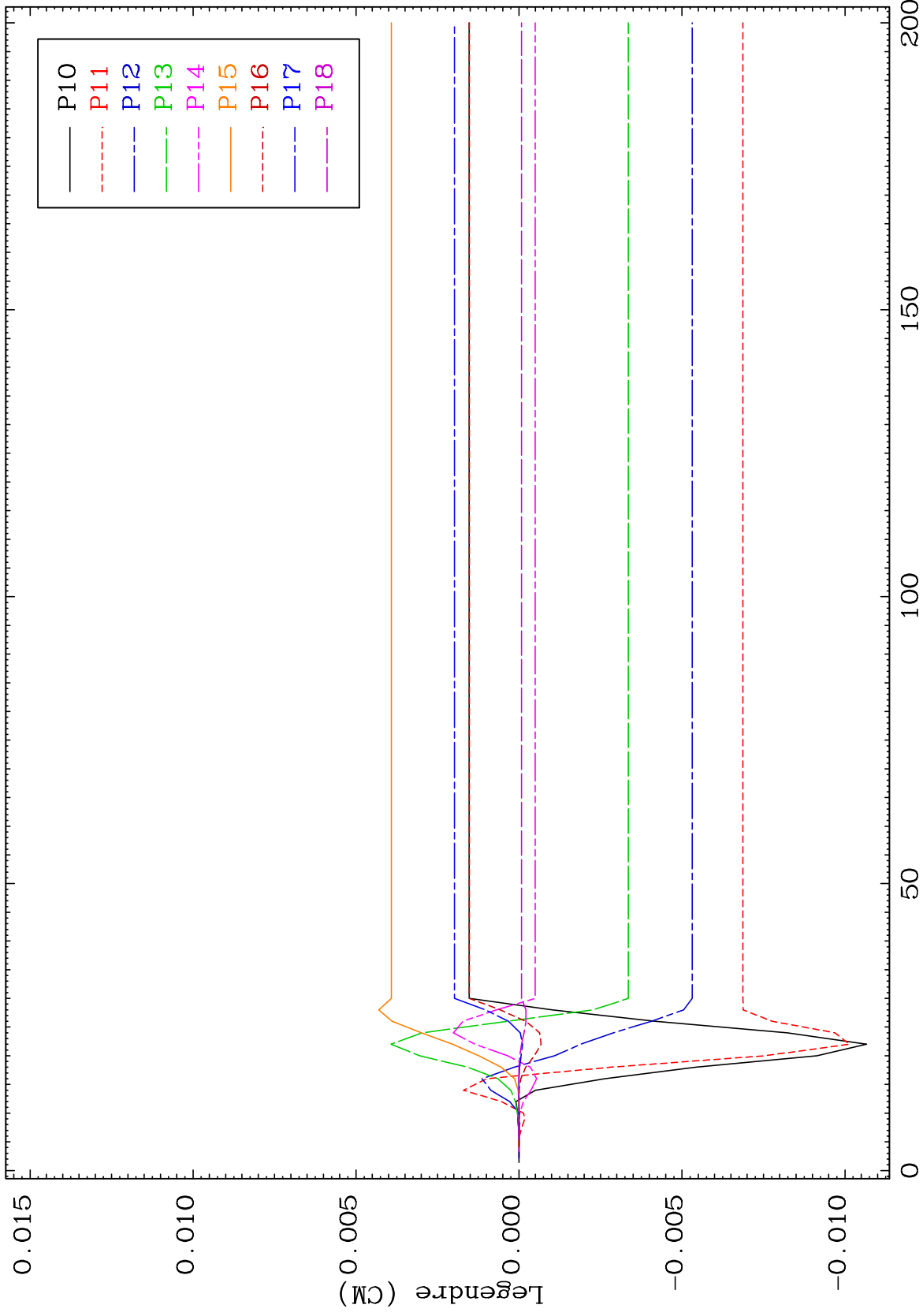




MAT 6210

457.4 keV (n,n') Level
Legendre Coefficients

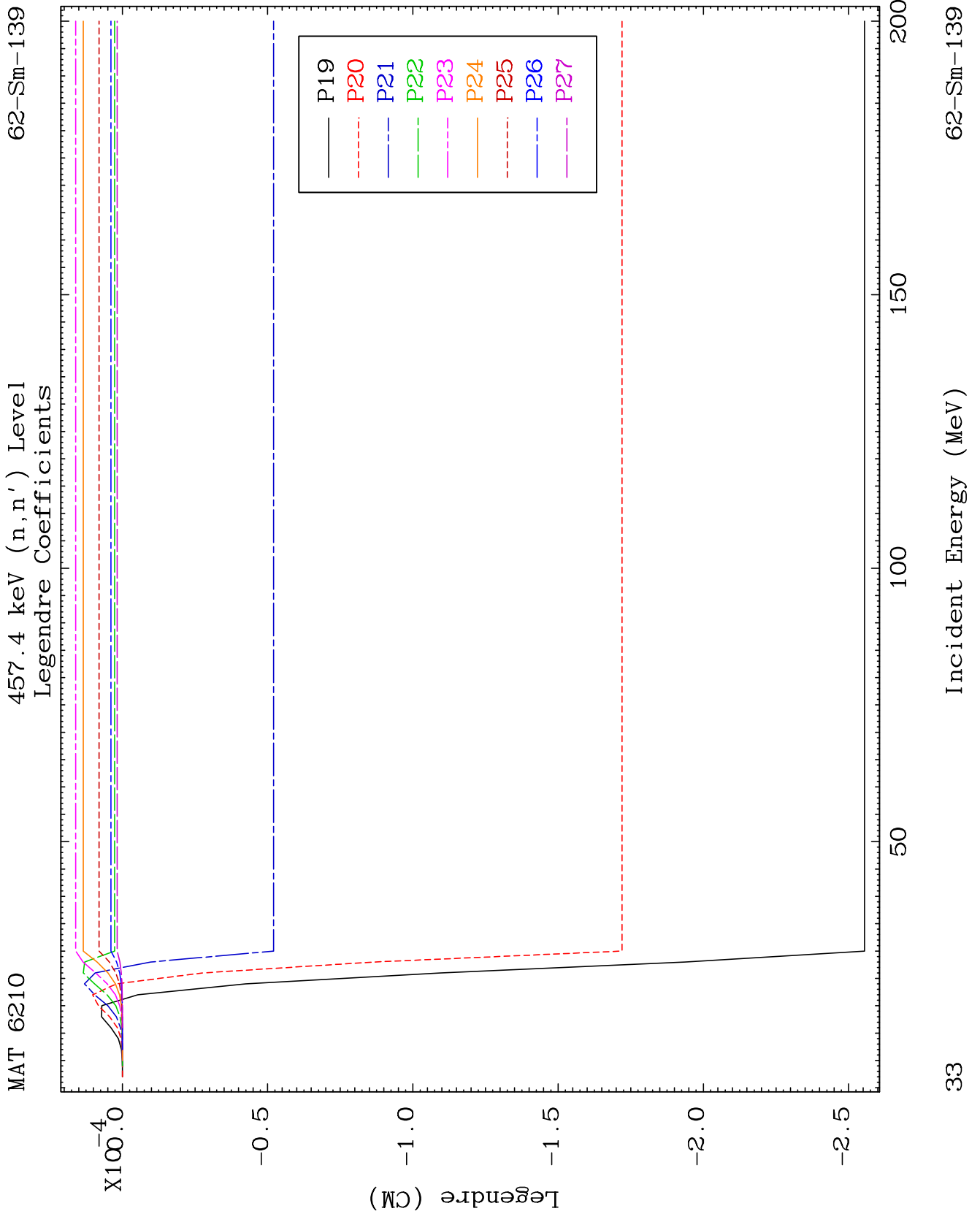
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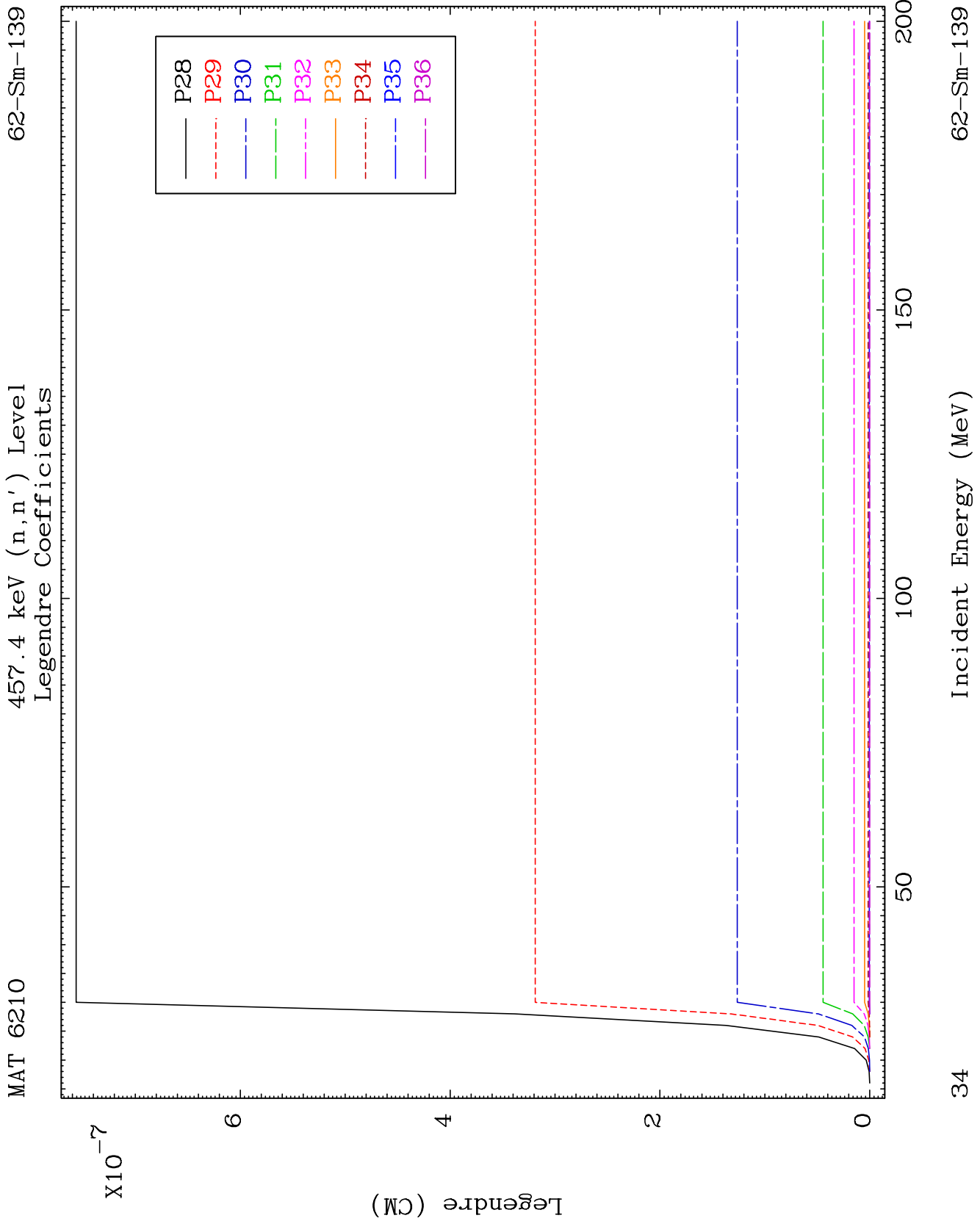


32

Incident Energy (MeV)

62-Sm-139

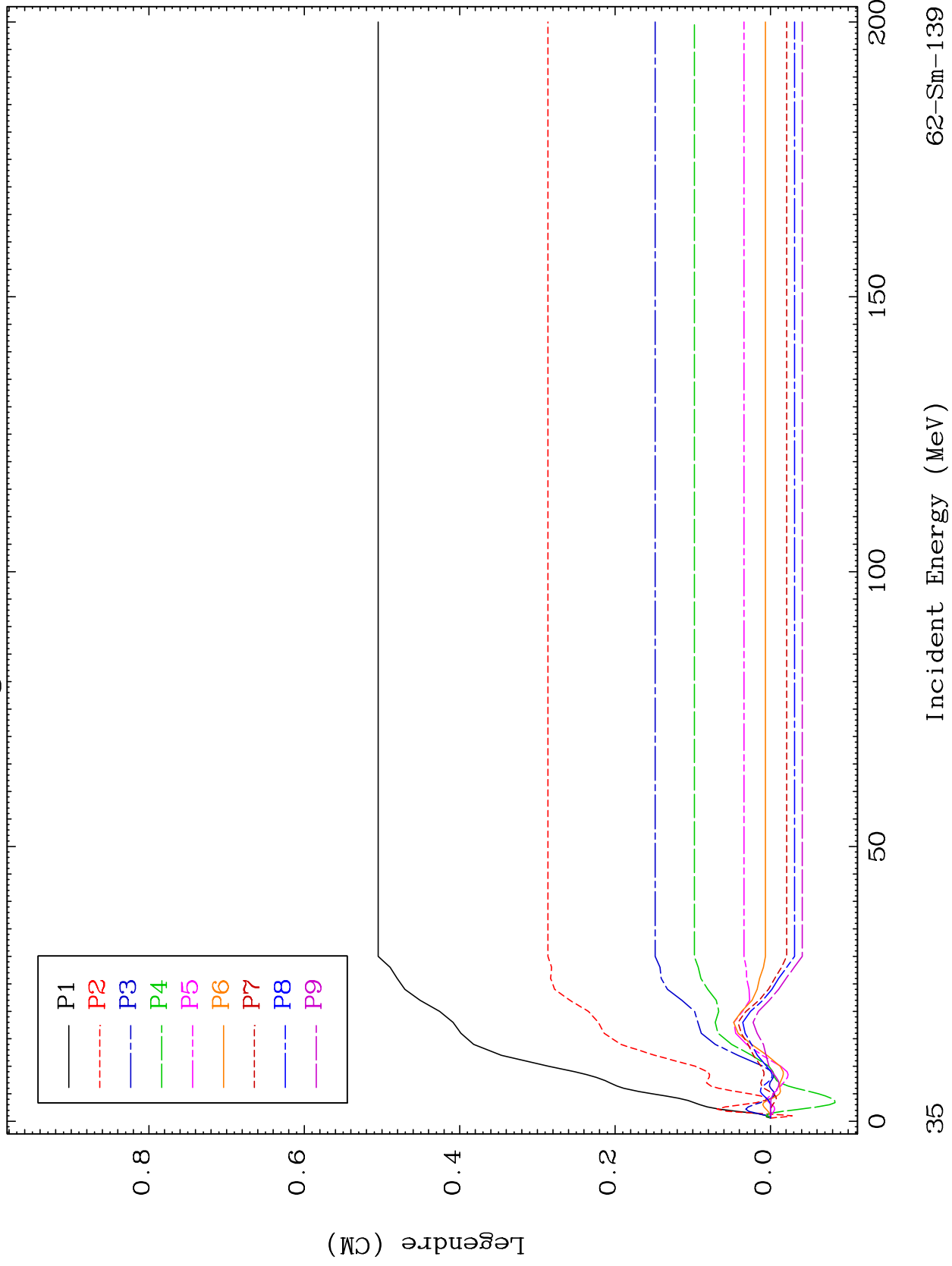




MAT 6210

531.5 keV (n,n') Level
Legendre Coefficients

62-Sm-139



62-Sm-139

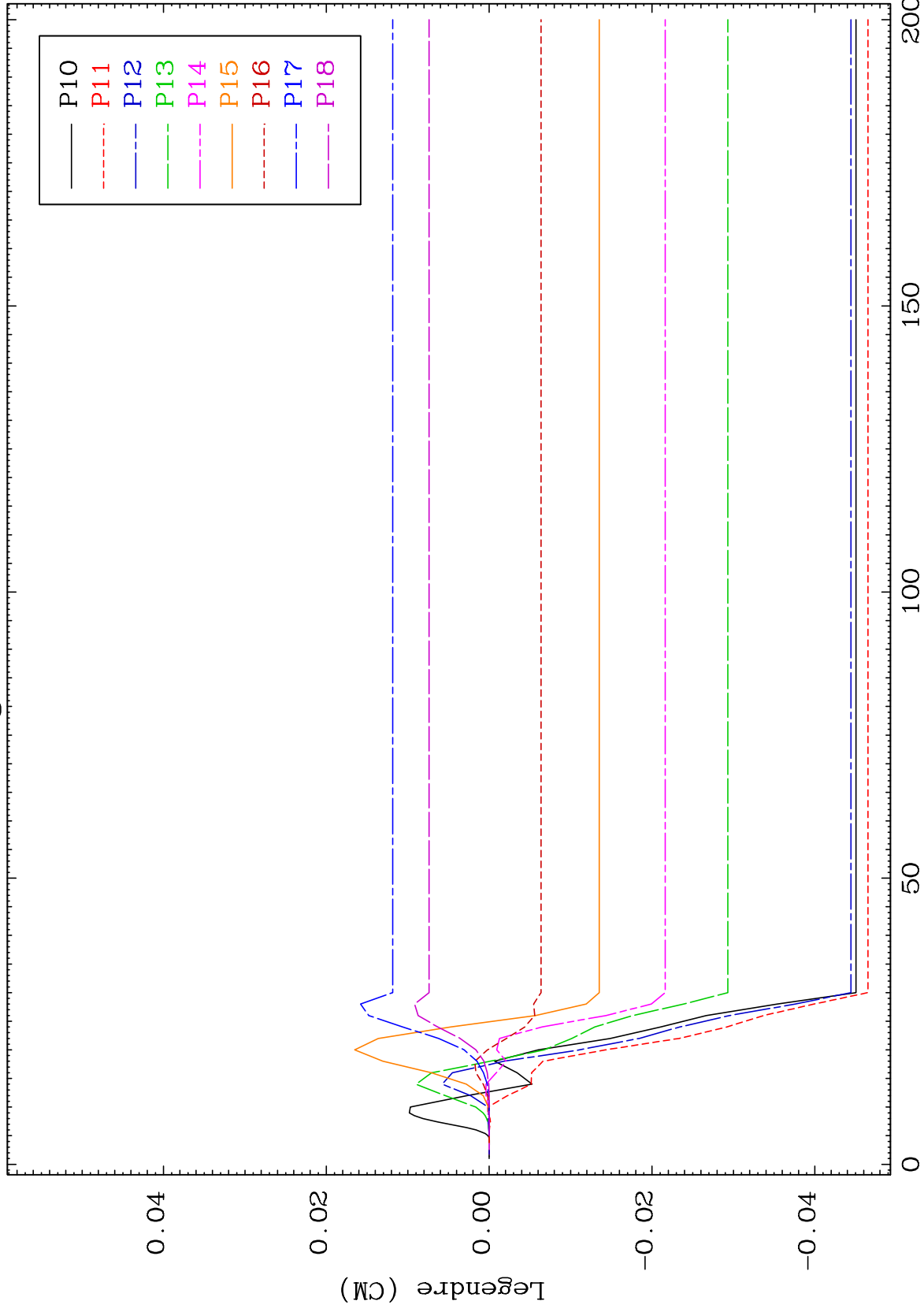
Incident Energy (MeV)

35

MAT 6210

531.5 keV (n,n') Level
Legendre Coefficients

62-Sm-139



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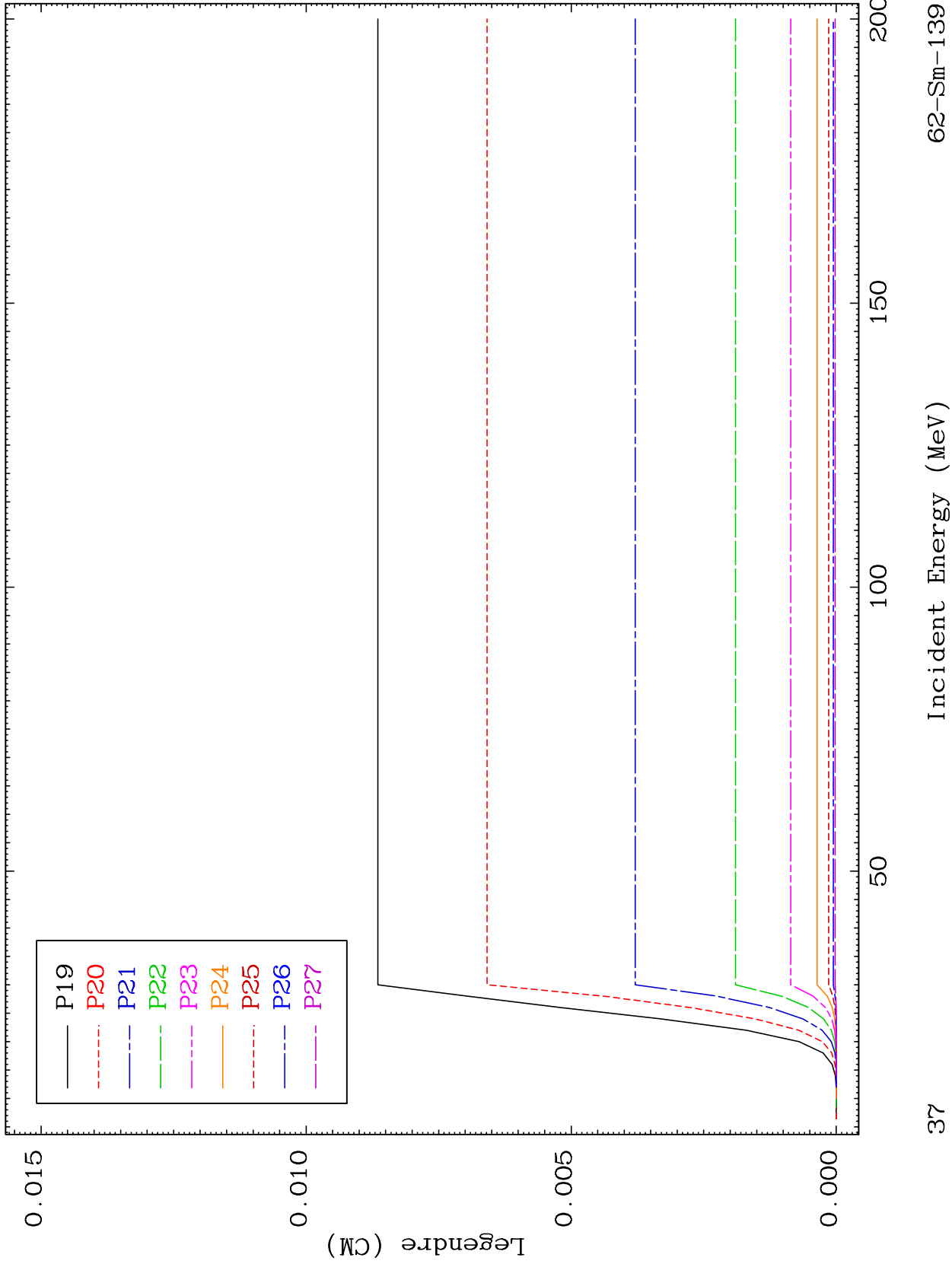
Incident Energy (MeV)

62-Sm-139

MAT 6210

531.5 keV (n,n') Level
Legendre Coefficients

62-Sm-139



37

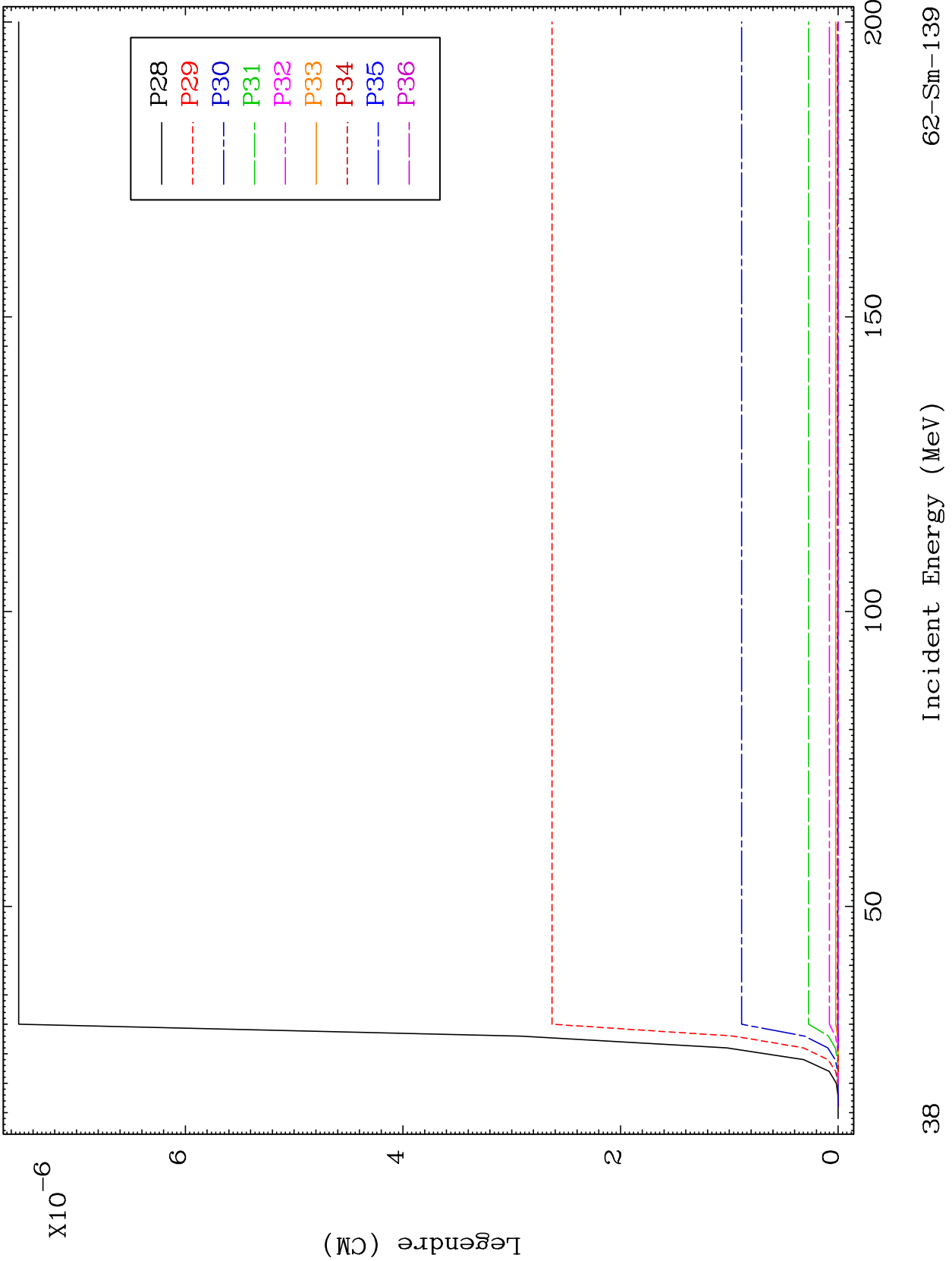
Incident Energy (MeV)

62-Sm-139

MAT 6210

531.5 keV (n,n') Level
Legendre Coefficients

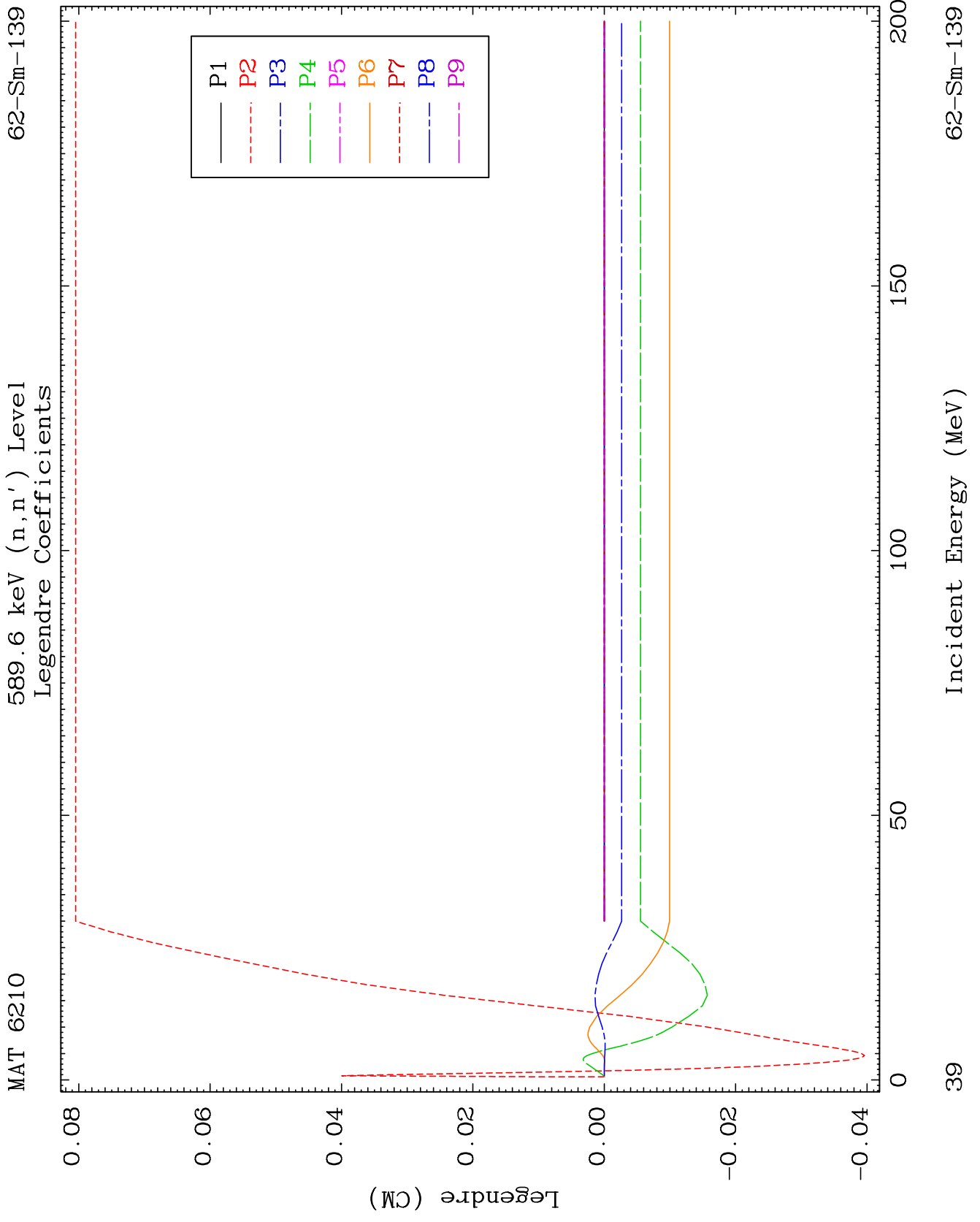
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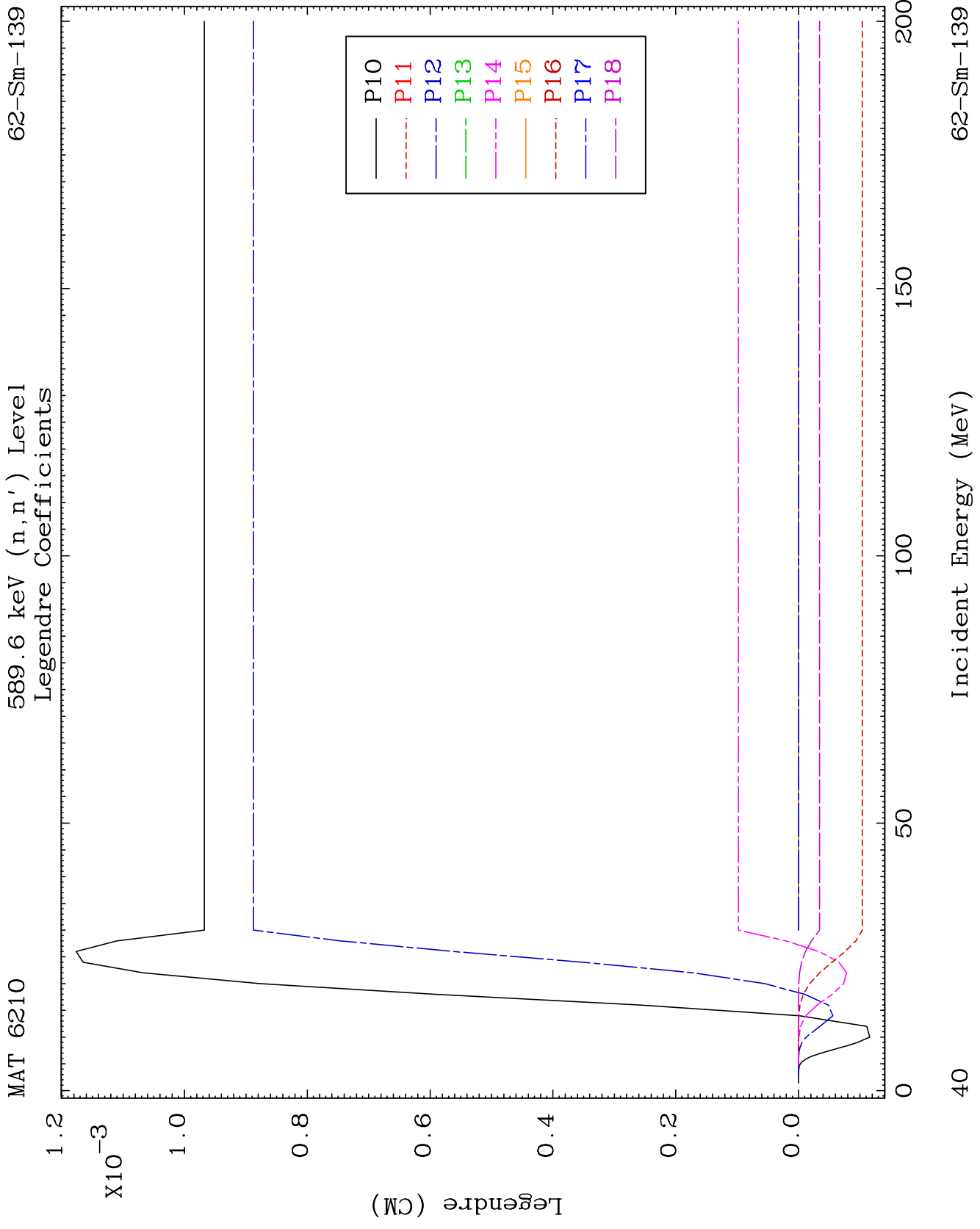


38

Incident Energy (MeV)

62-Sm-139

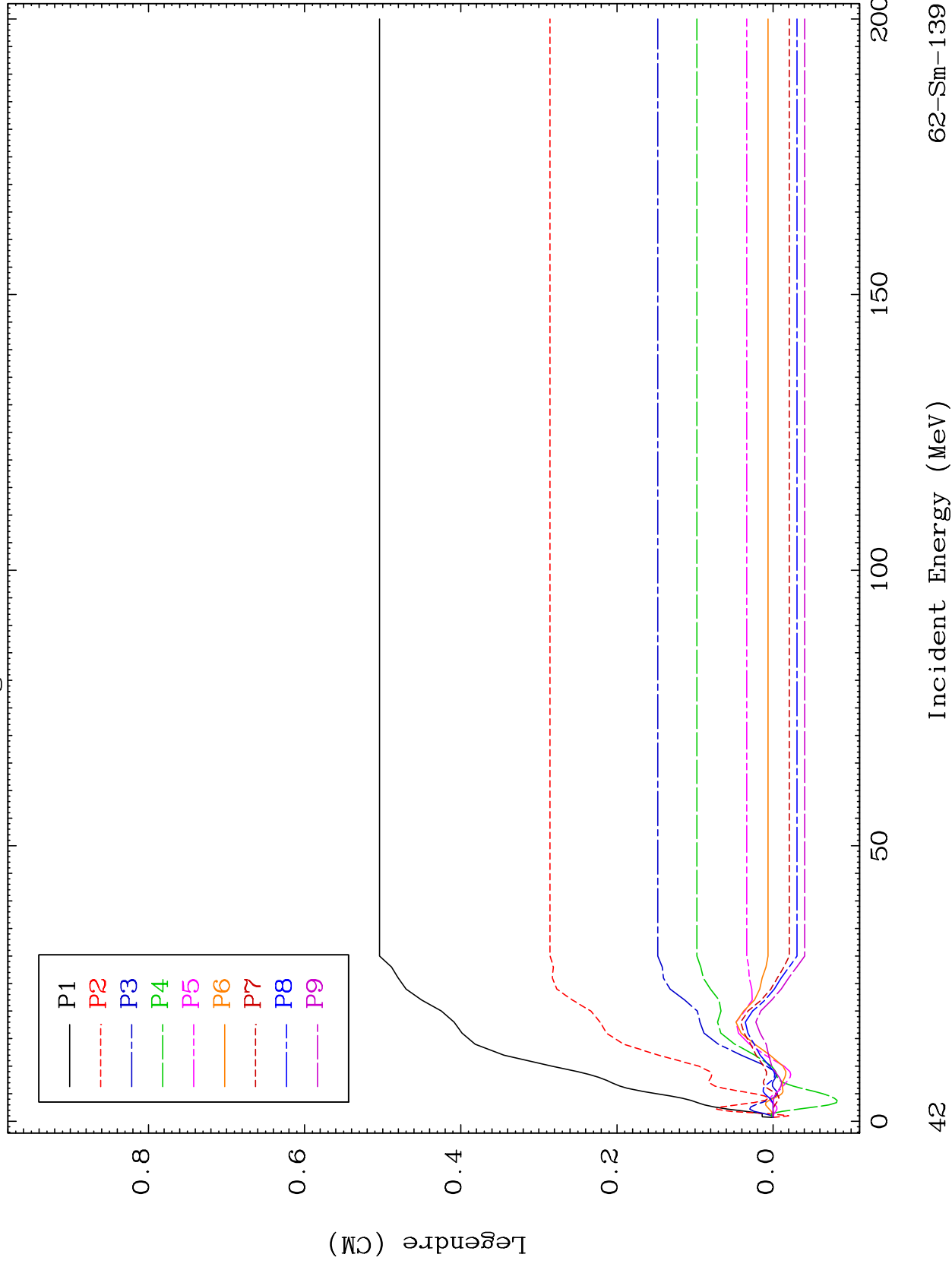




MAT 6210

686.7 keV (n,n') Level
Legendre Coefficients

62-Sm-139



62-Sm-139

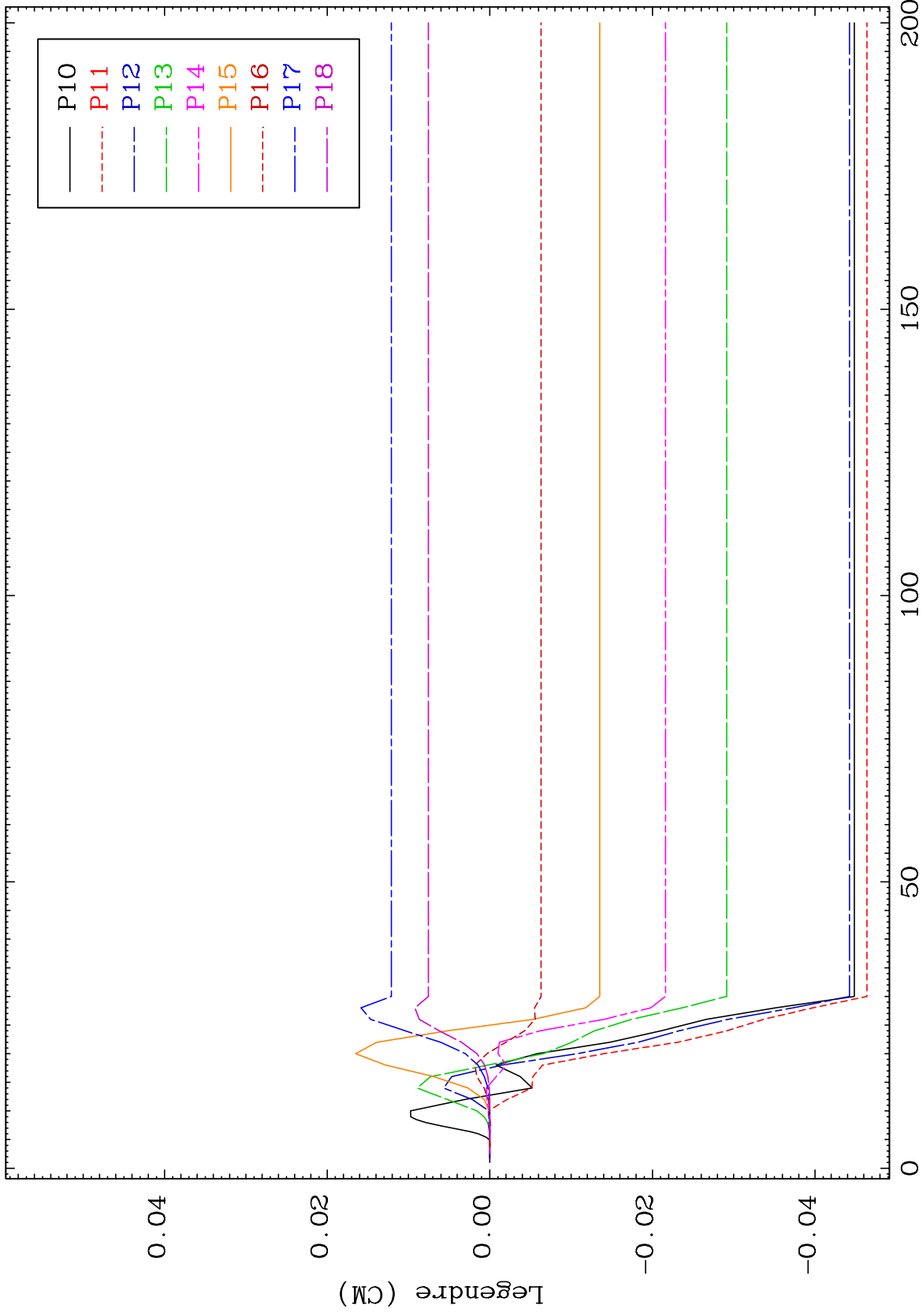
Incident Energy (MeV)

42

MAT 6210

686.7 keV (n,n') Level
Legendre Coefficients

62-Sm-139



43

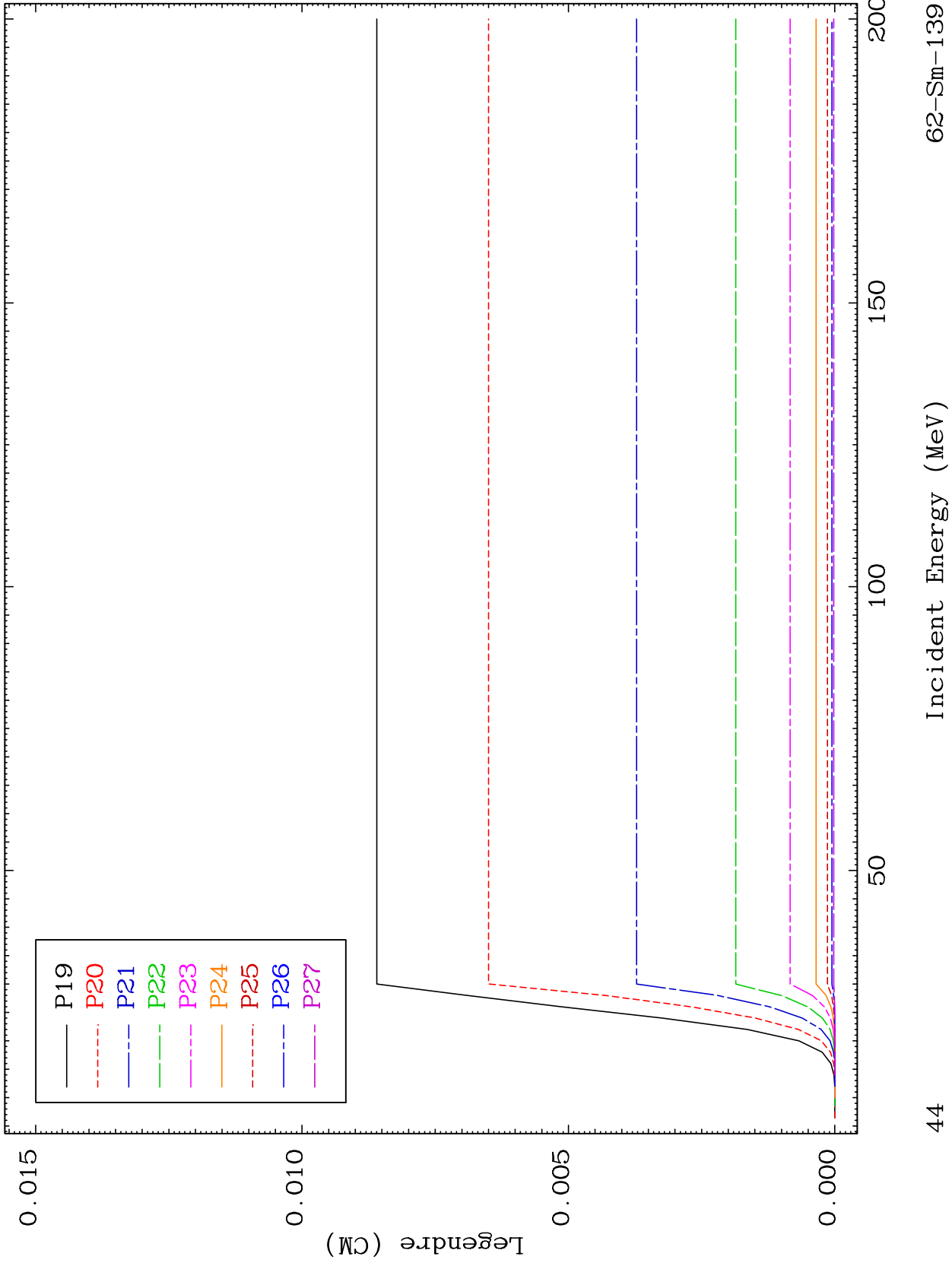
Incident Energy (MeV)

62-Sm-139

MAT 6210

686.7 keV (n,n') Level
Legendre Coefficients

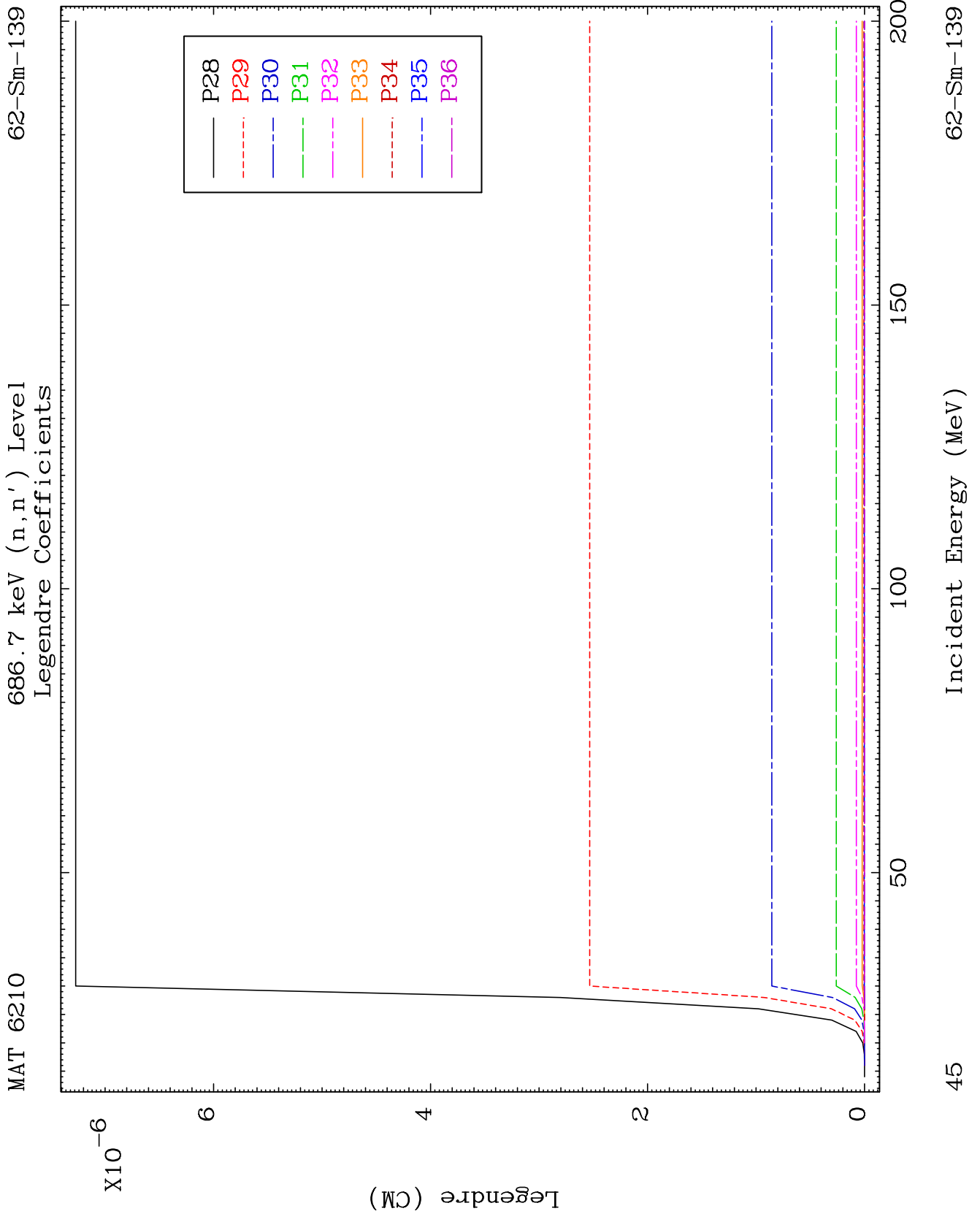
62-Sm-139



44

Incident Energy (MeV)

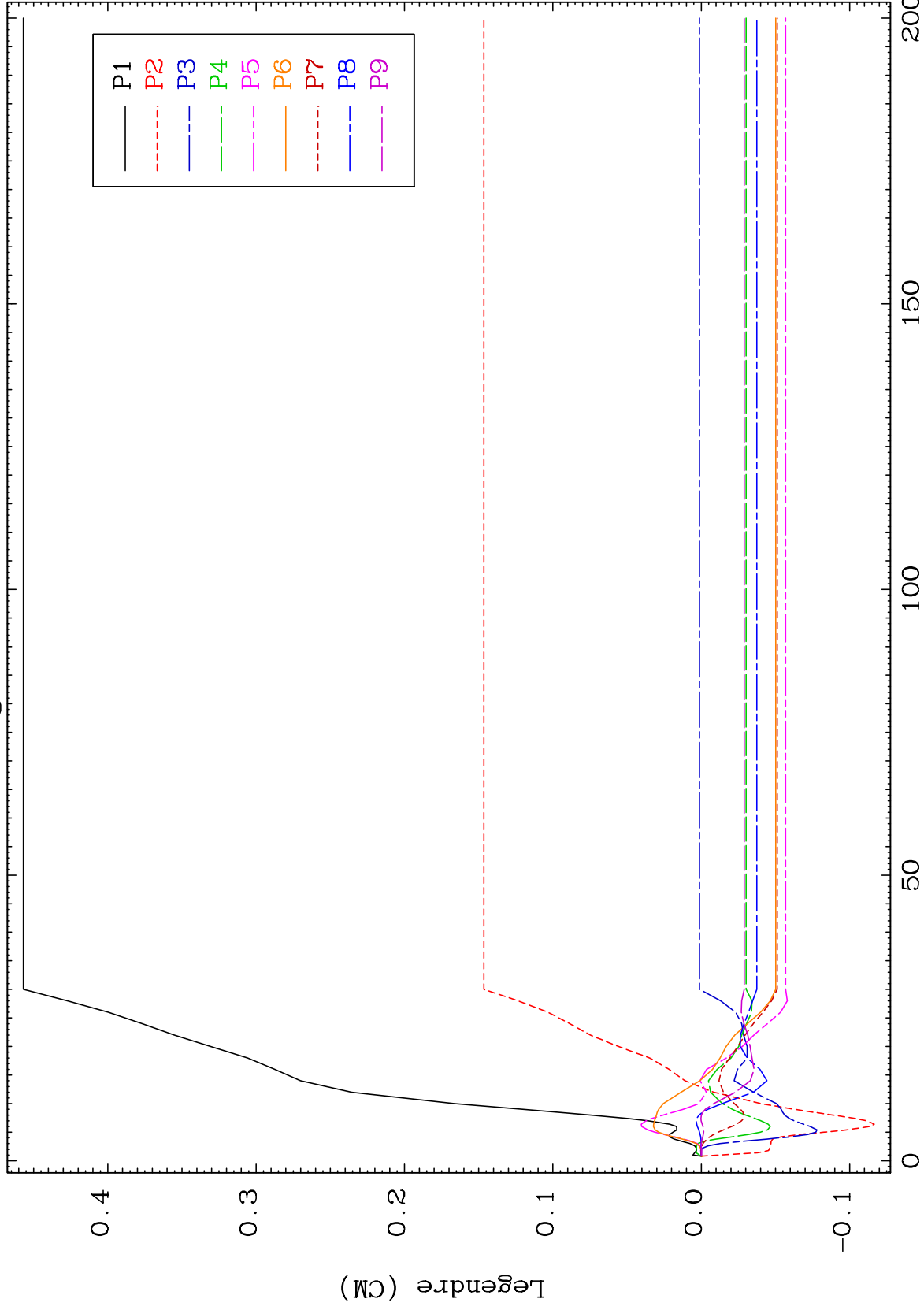
62-Sm-139



MAT 6210

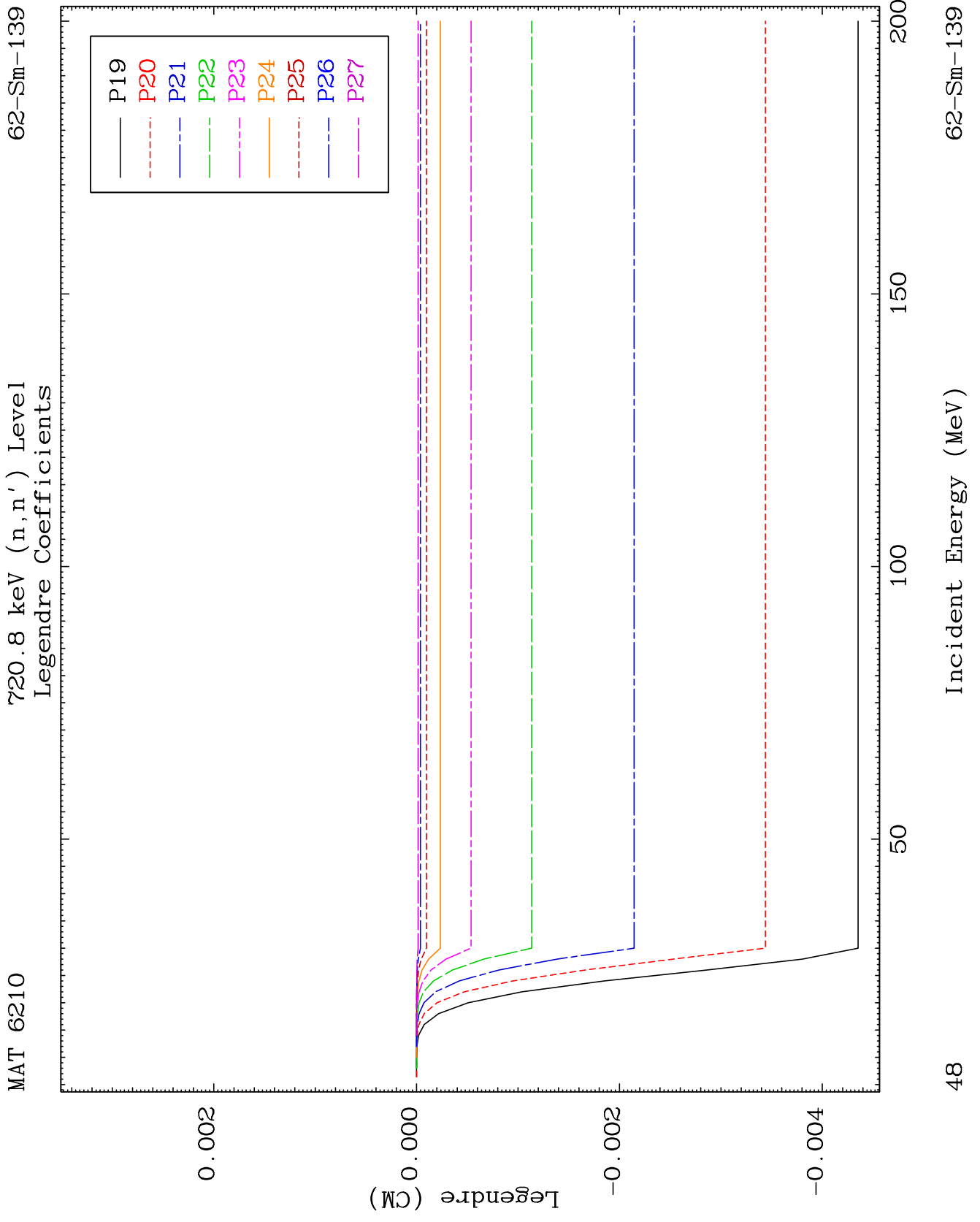
720.8 keV (n,n') Level
Legendre Coefficients

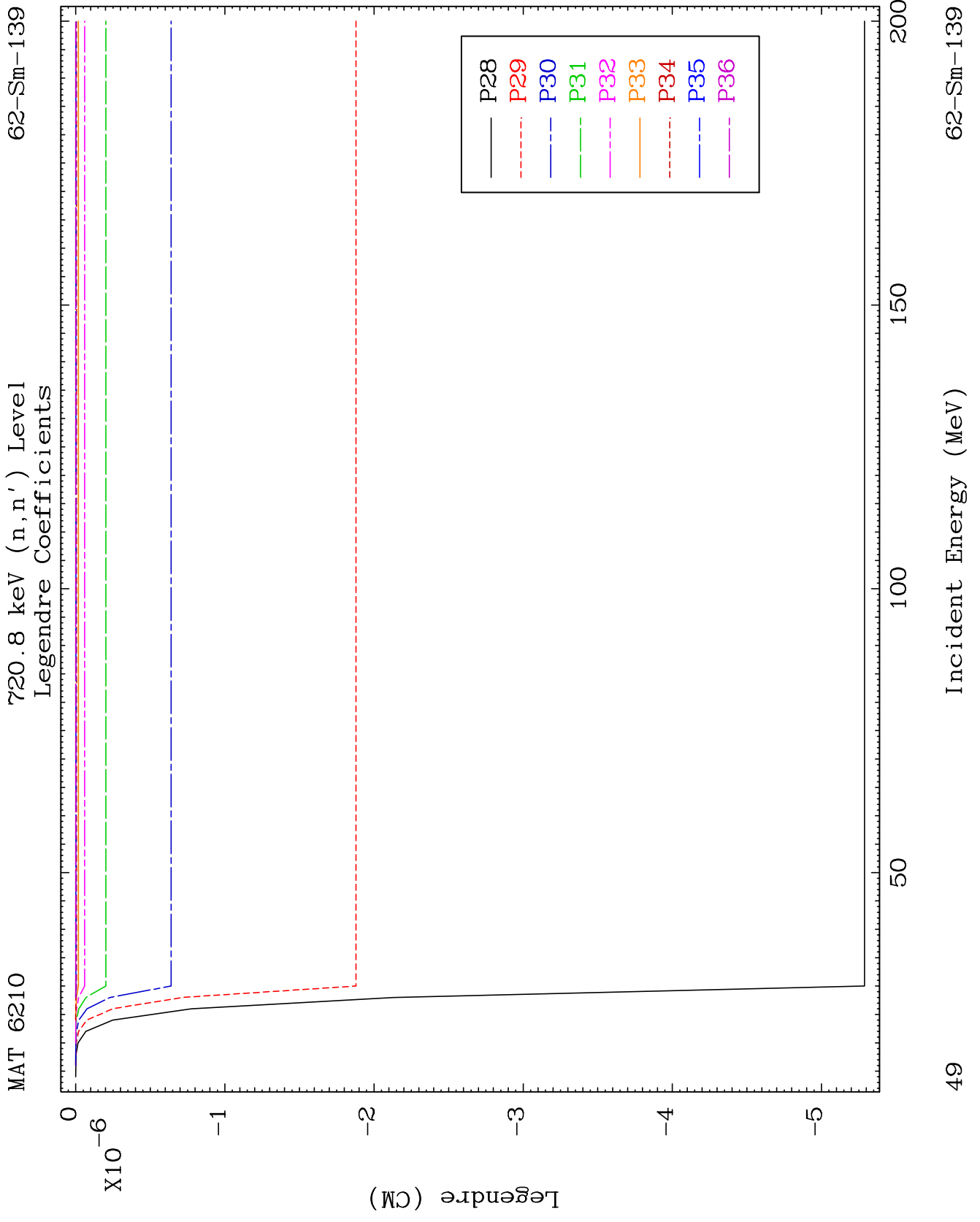
62-Sm-139

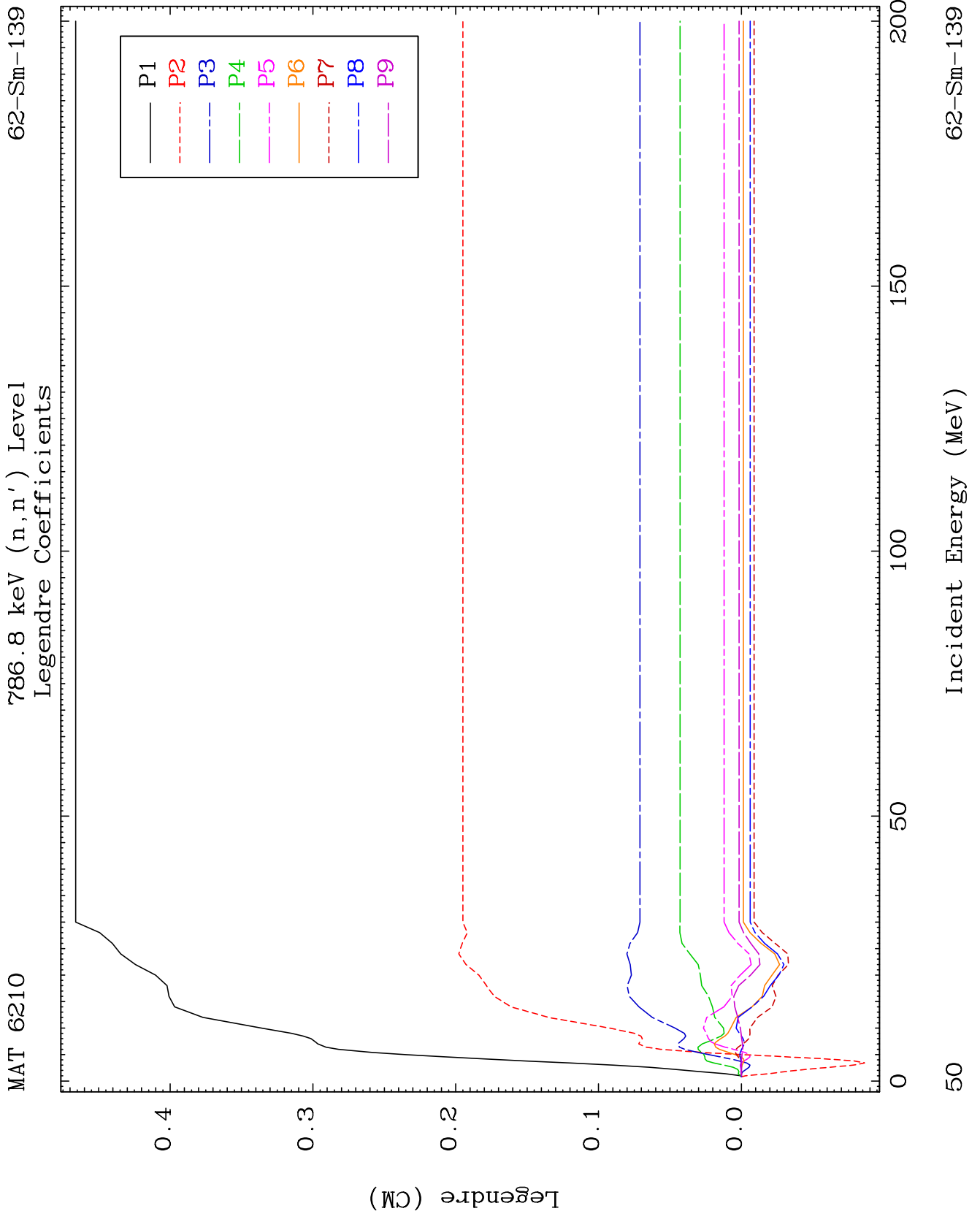


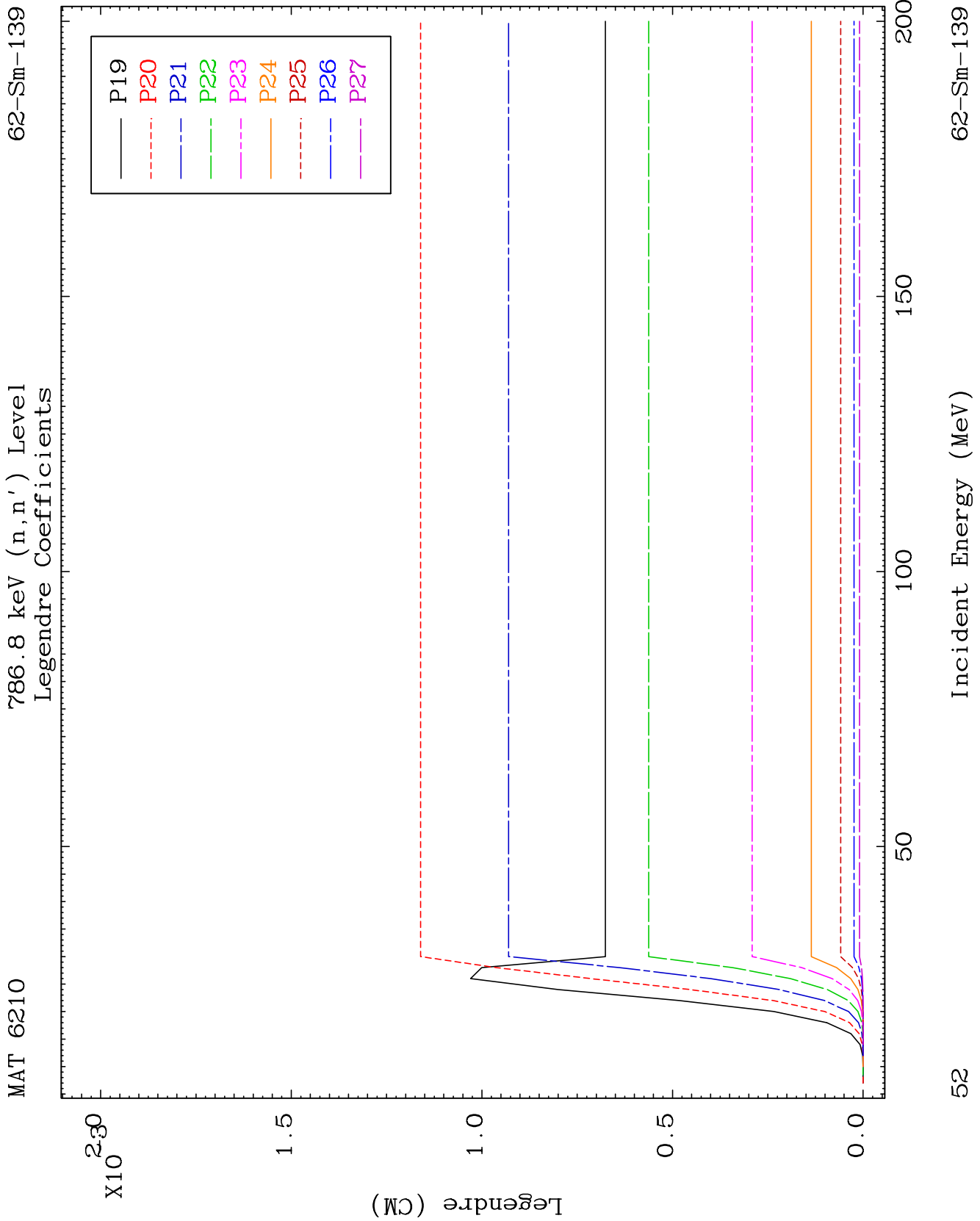
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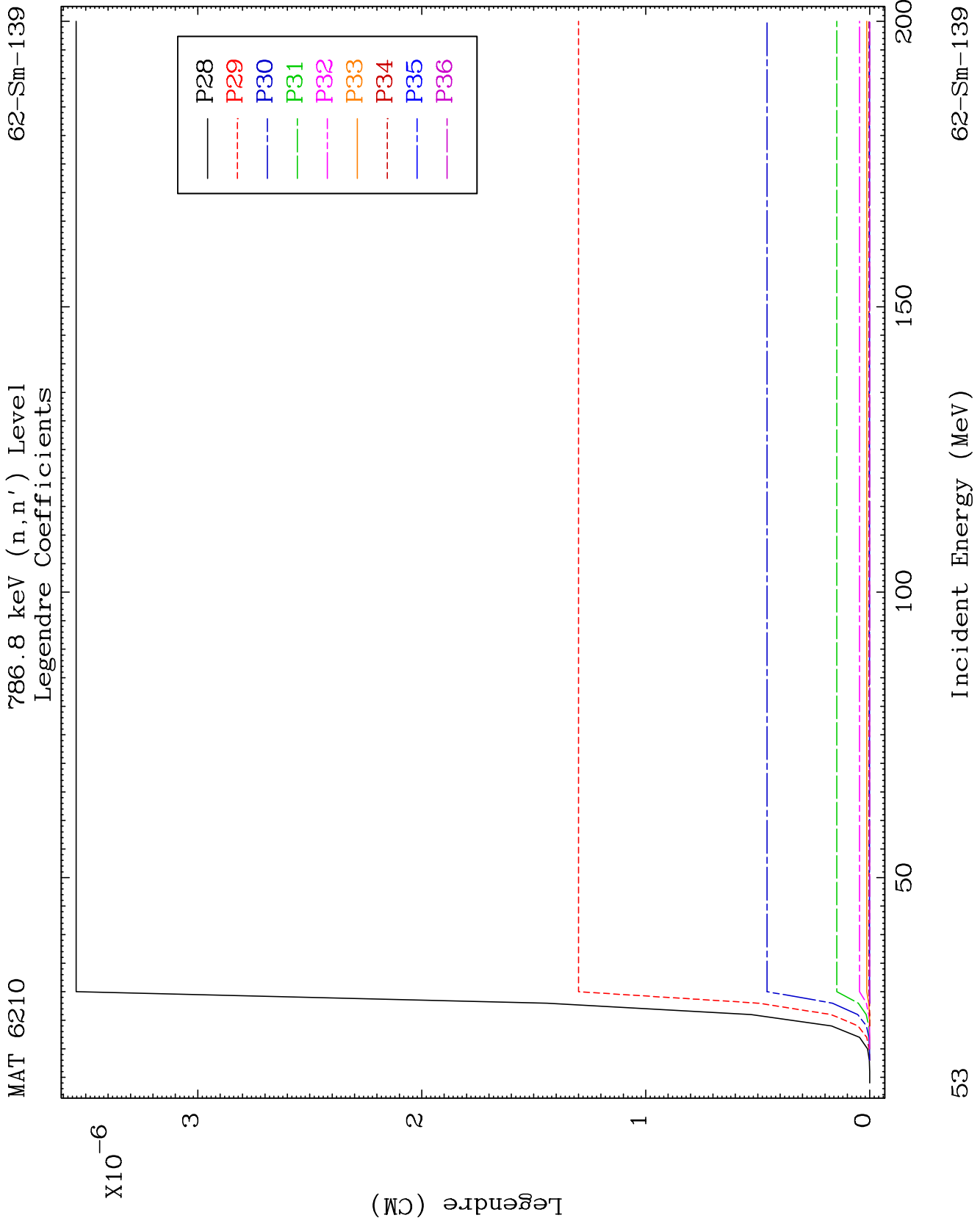
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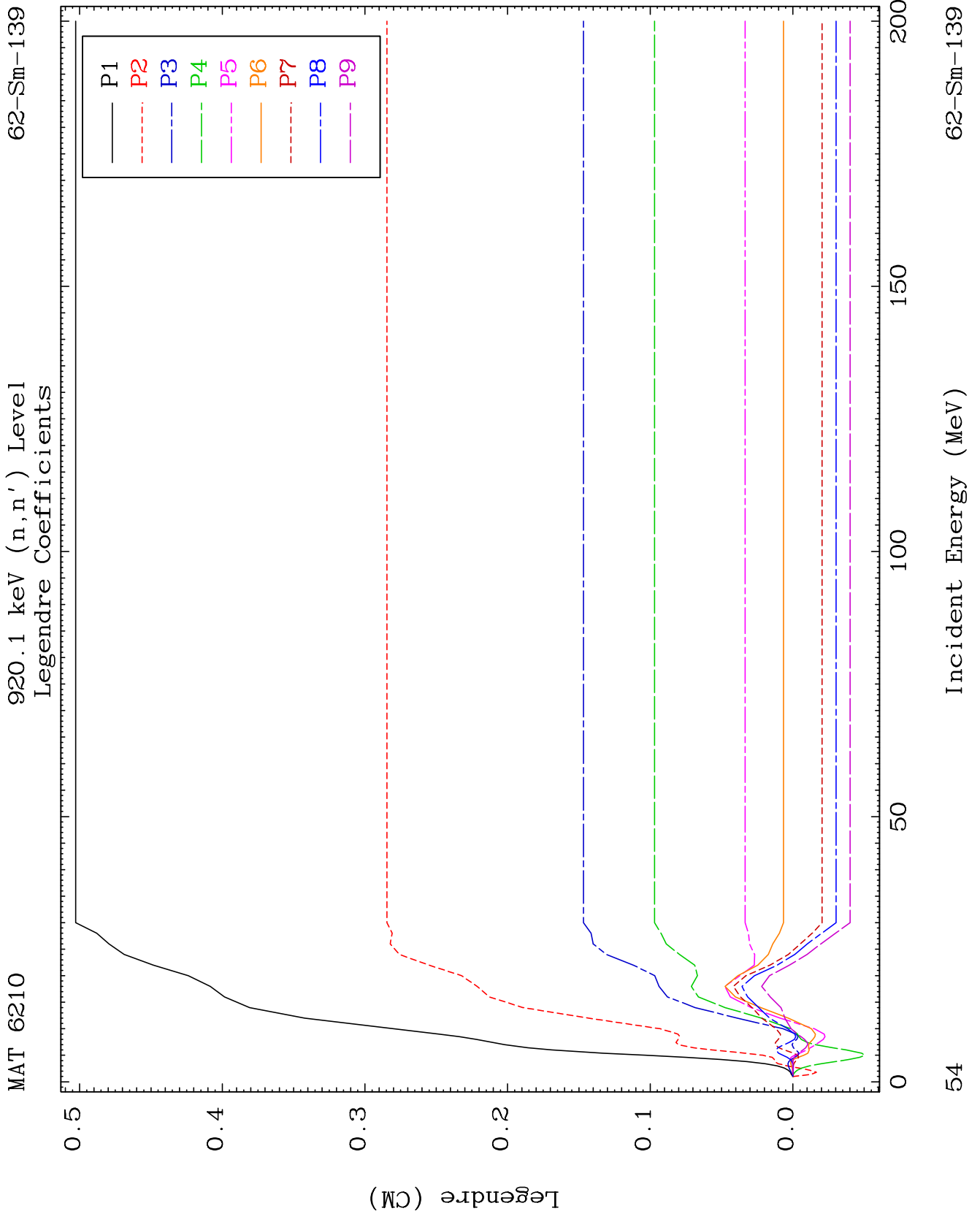


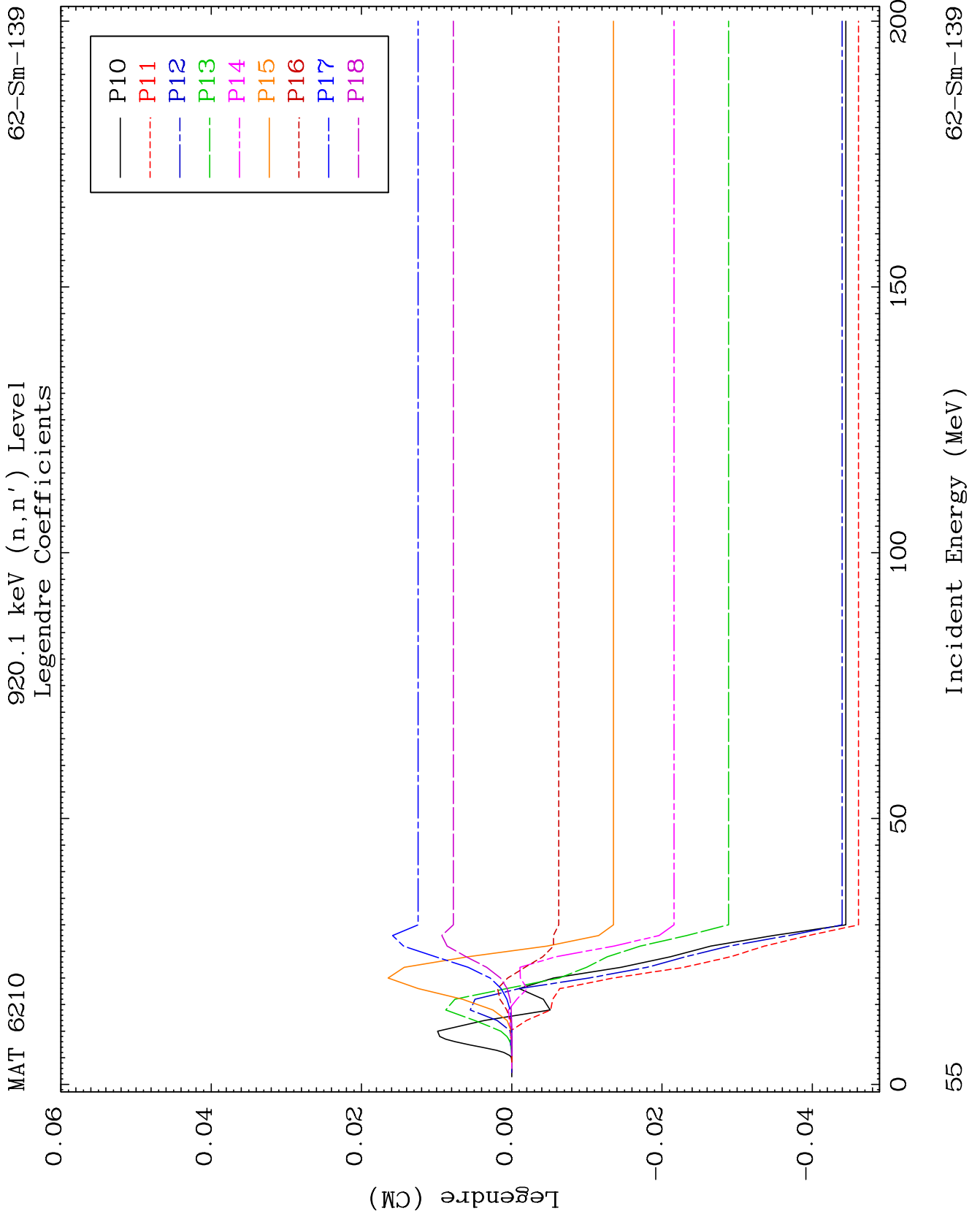








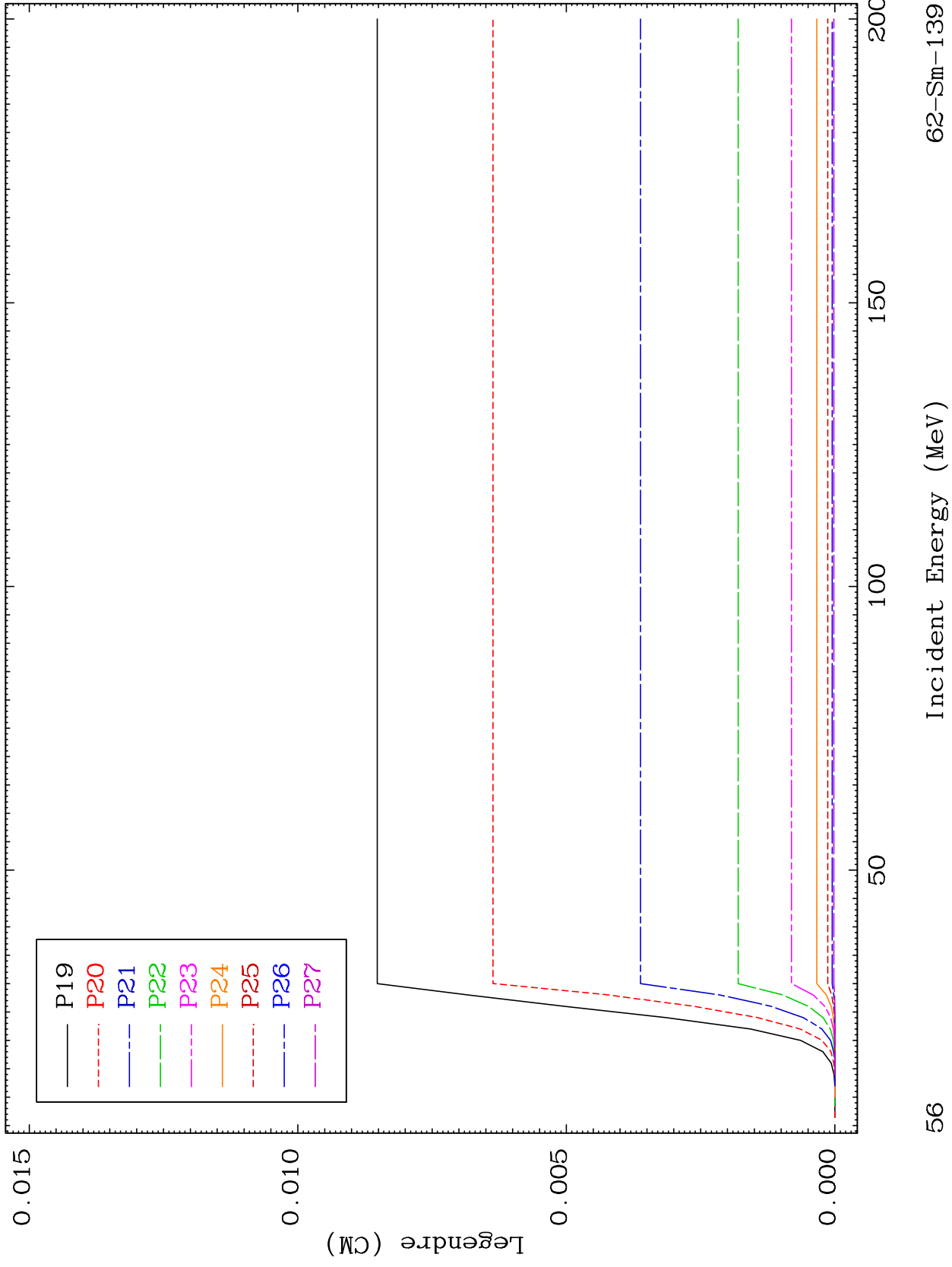




MAT 6210

920.1 keV (n,n') Level
Legendre Coefficients

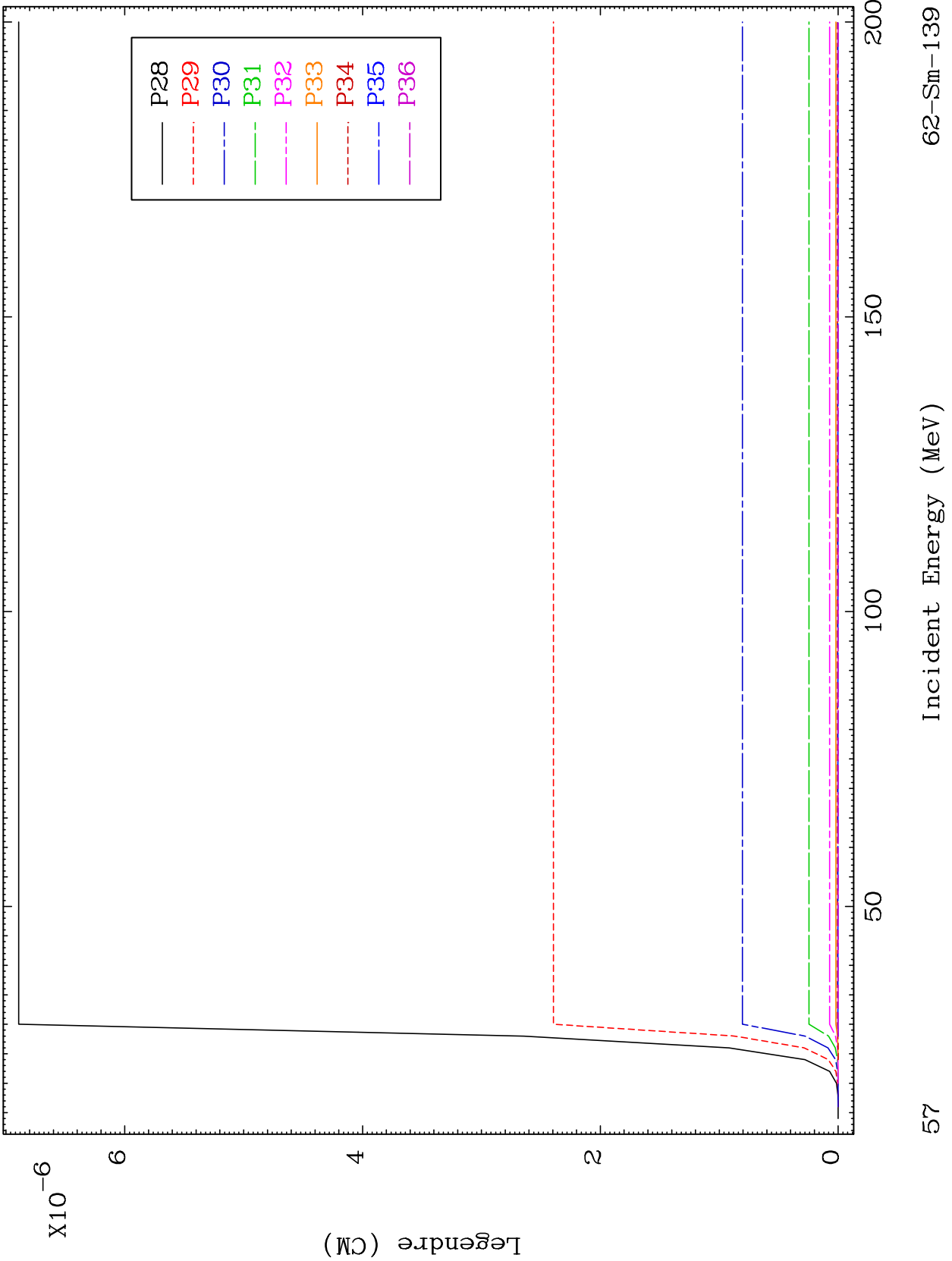
62-Sm-139

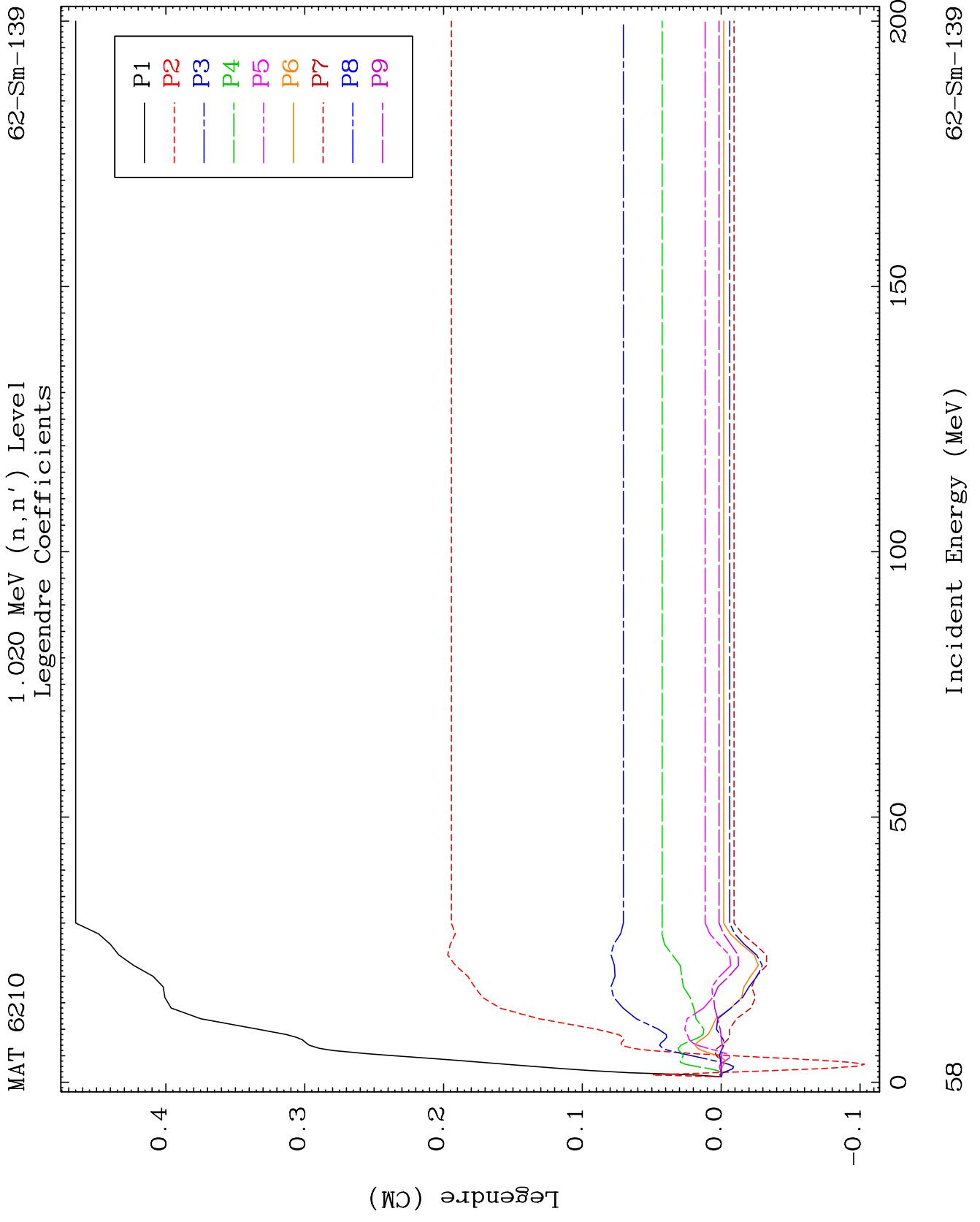


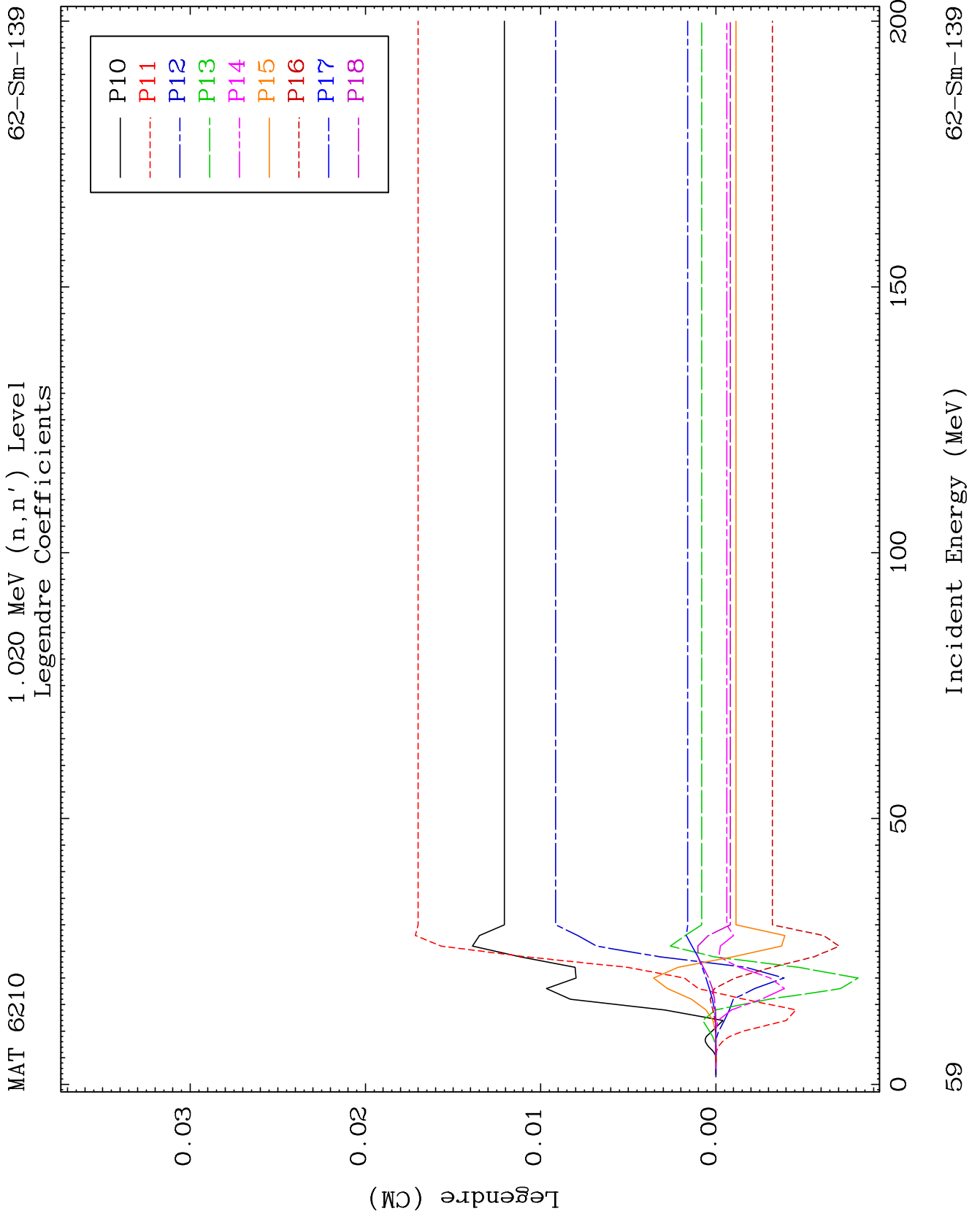
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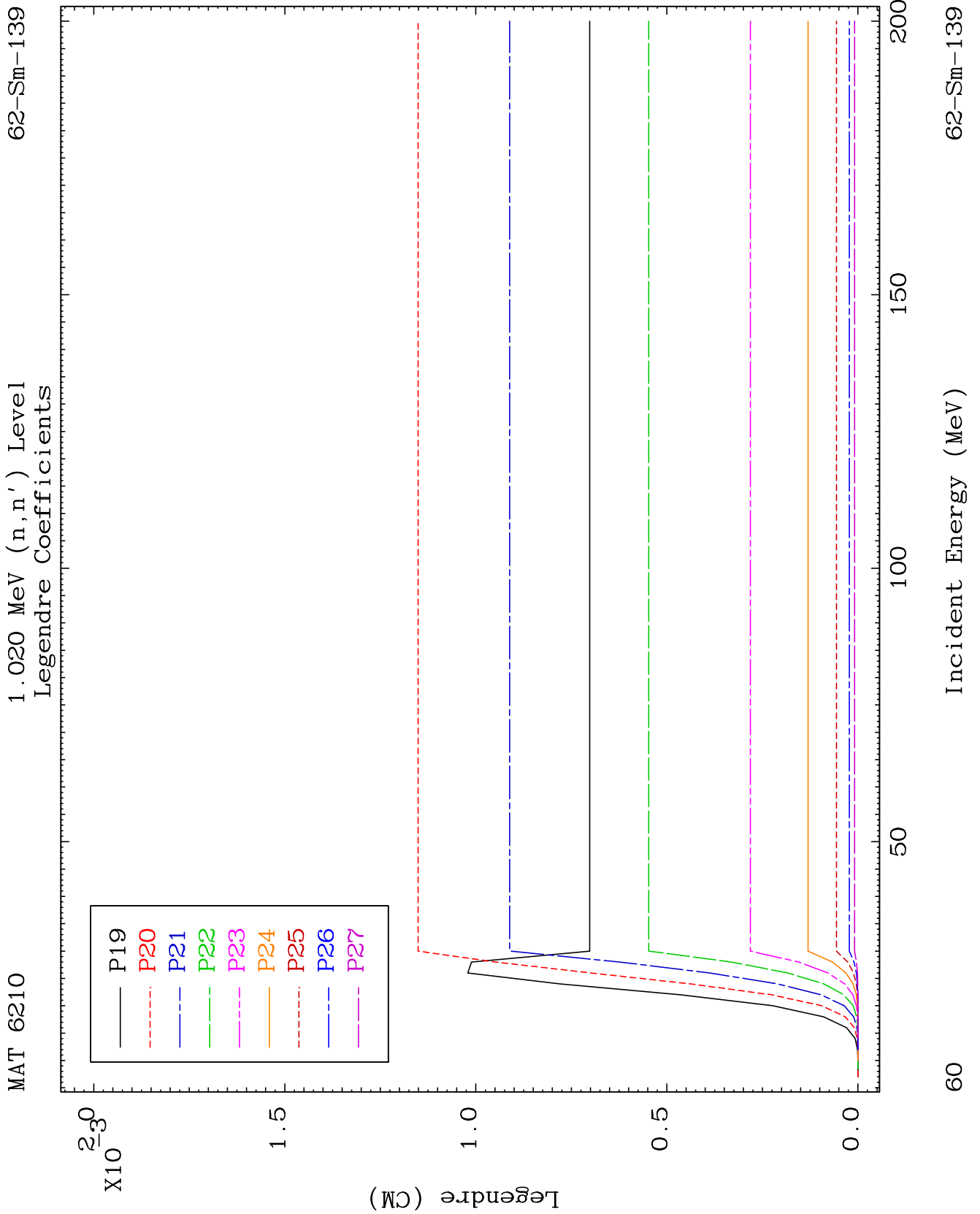
Incident Energy (MeV)

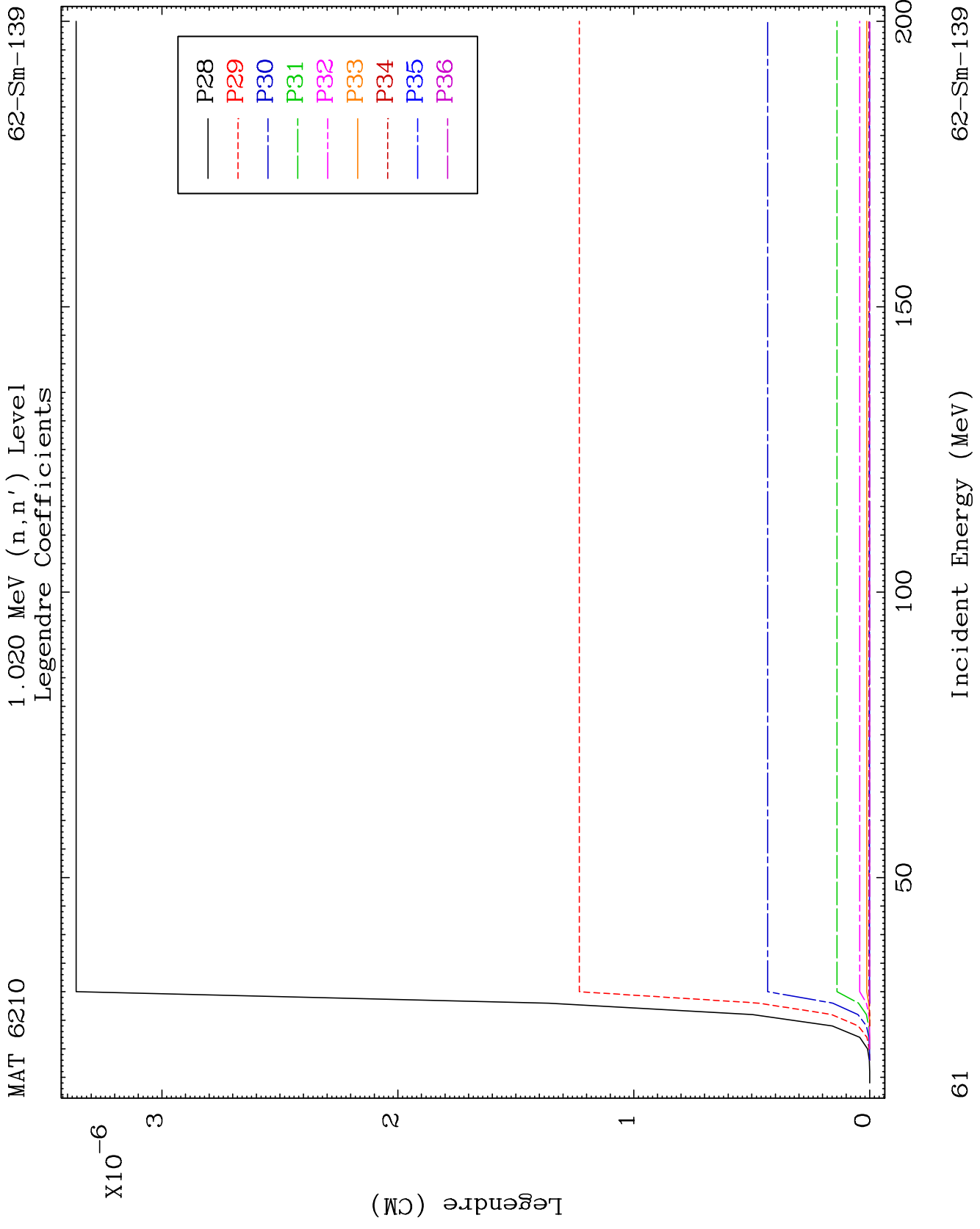
62-Sm-139







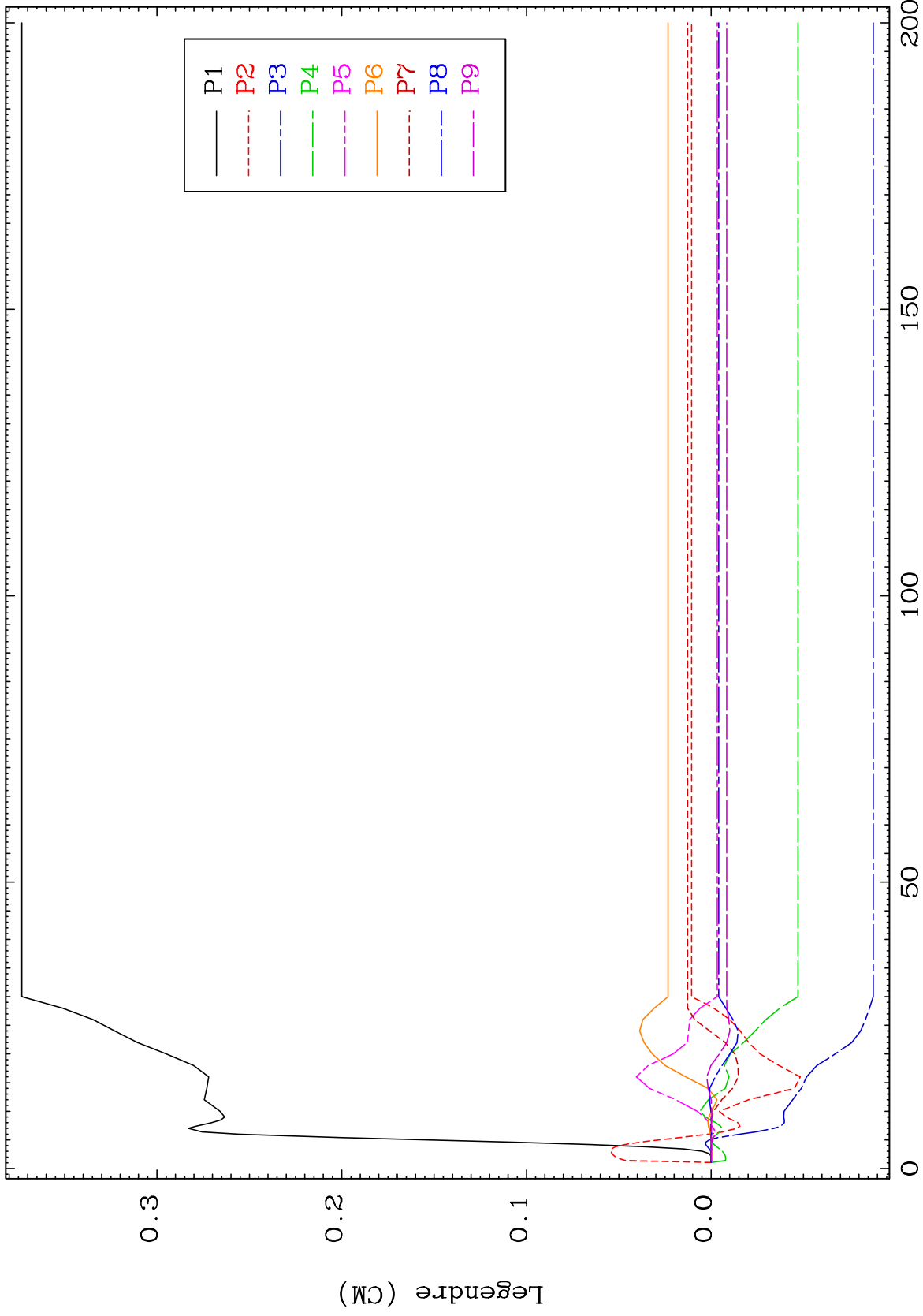




MAT 6210

1.047 MeV (n,n') Level
Legendre Coefficients

62-Sm-139

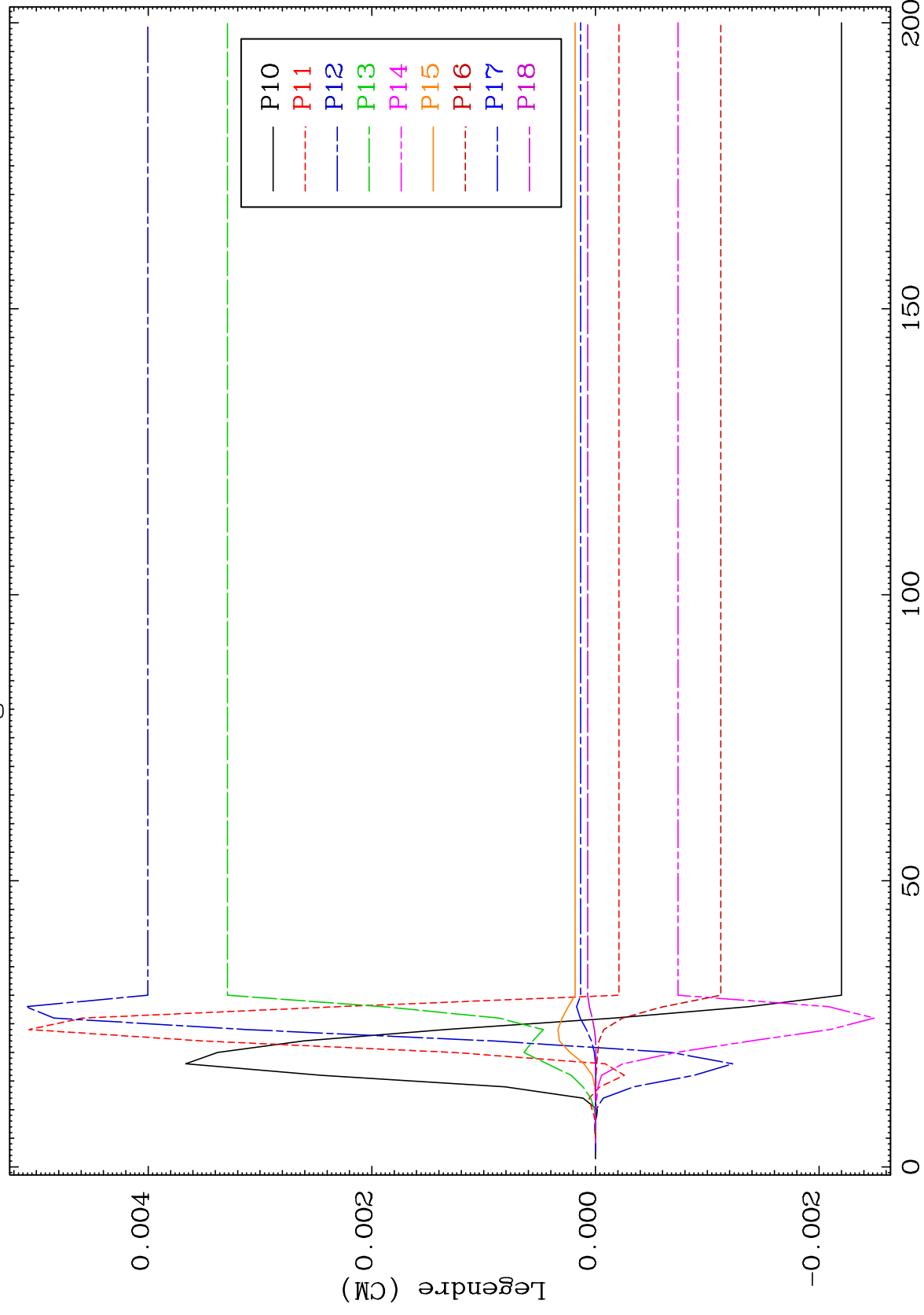


62

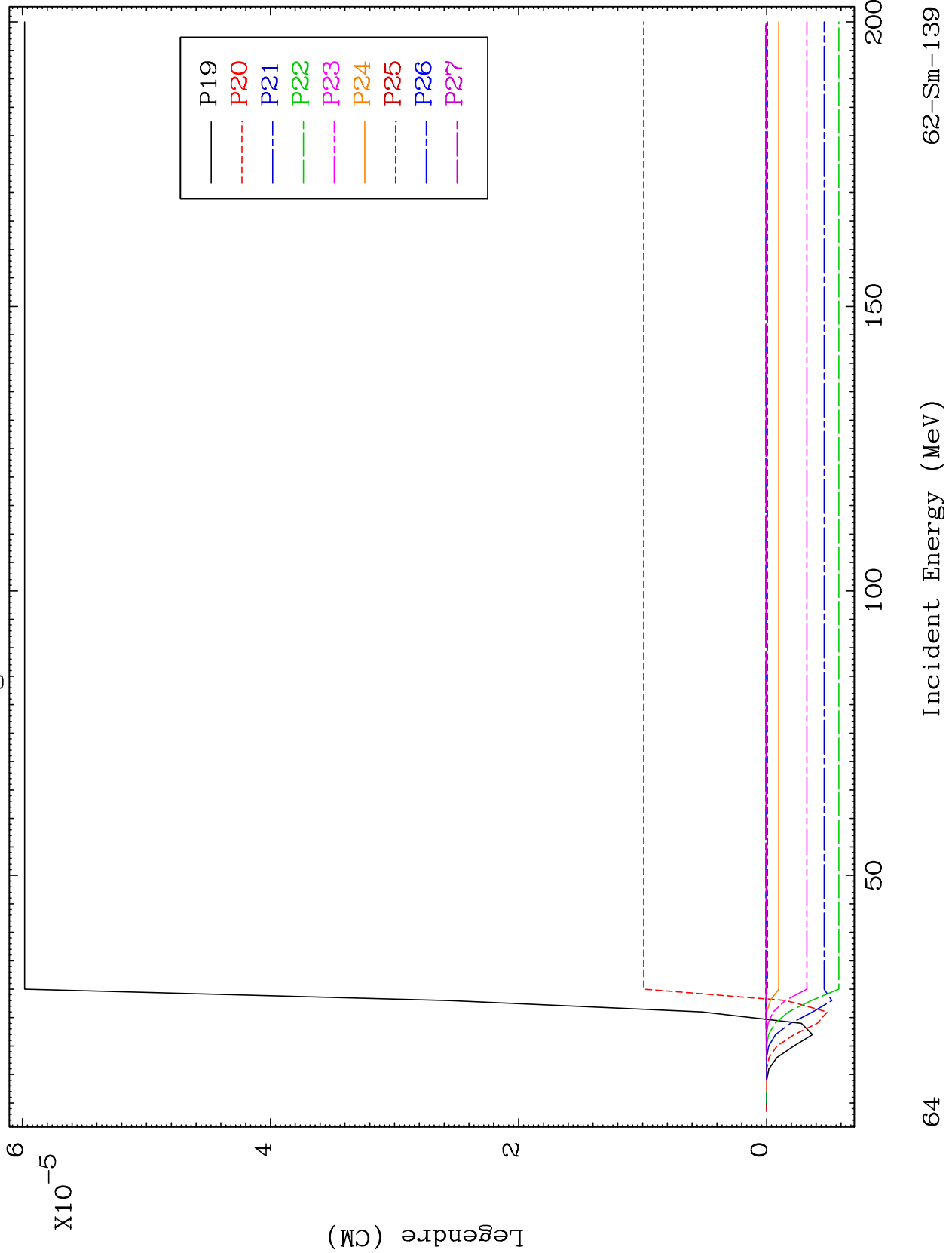
Incident Energy (MeV)

62-Sm-139

MAT 6210 1.047 MeV (n,n') Level Legendre Coefficients 62-Sm-139



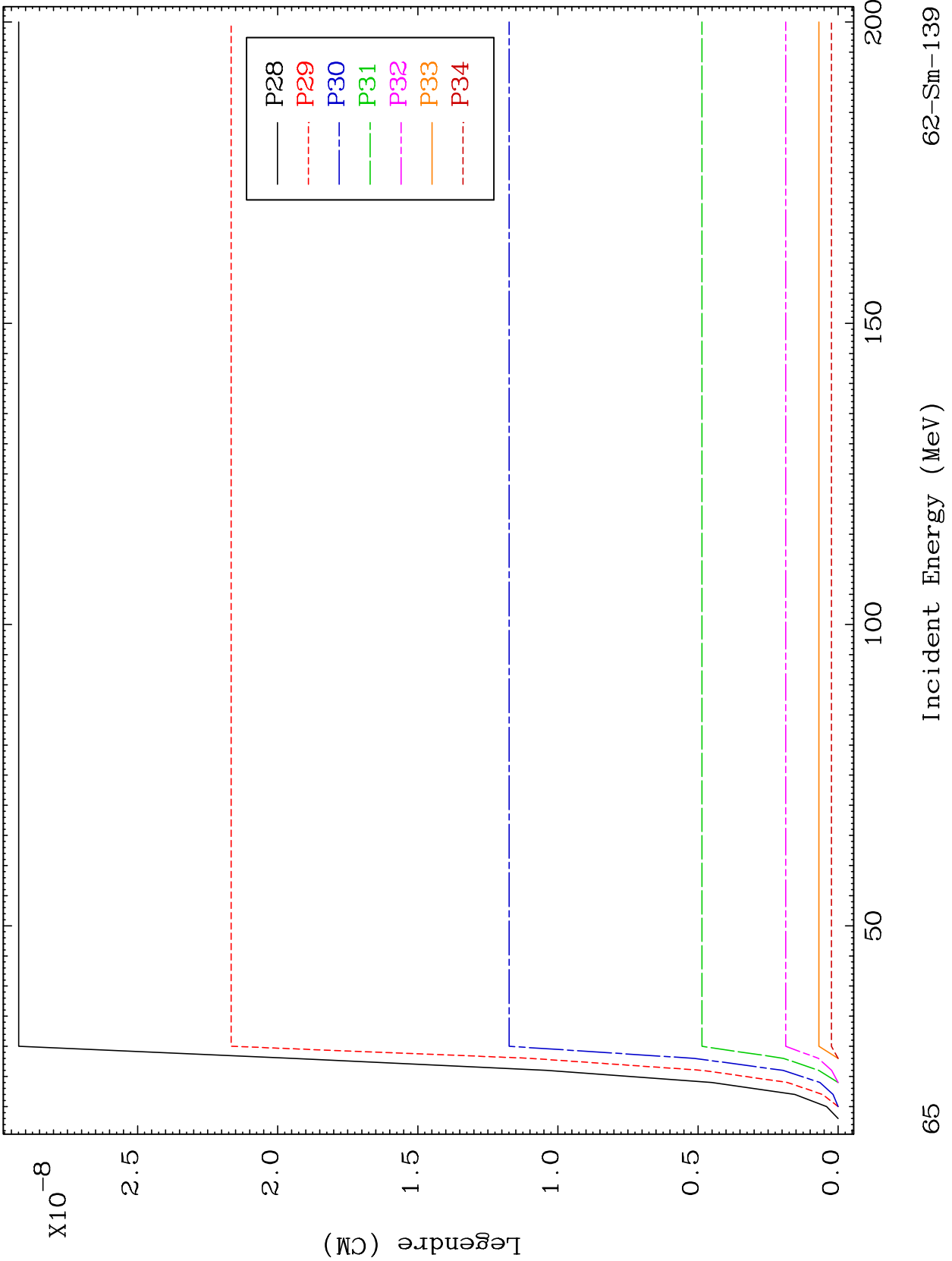
63 62-Sm-139



MAT 6210

1.047 MeV (n,n') Level
Legendre Coefficients

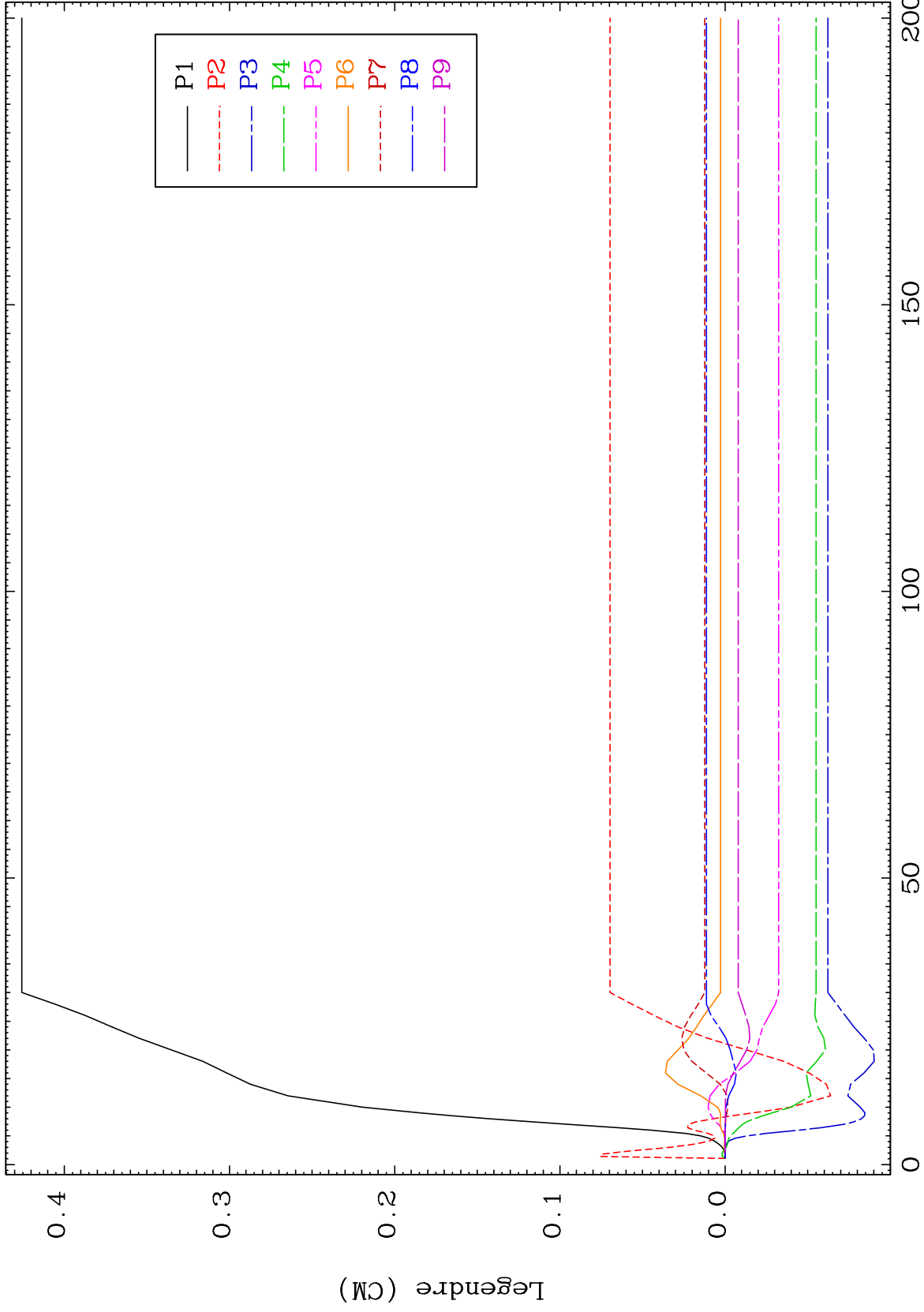
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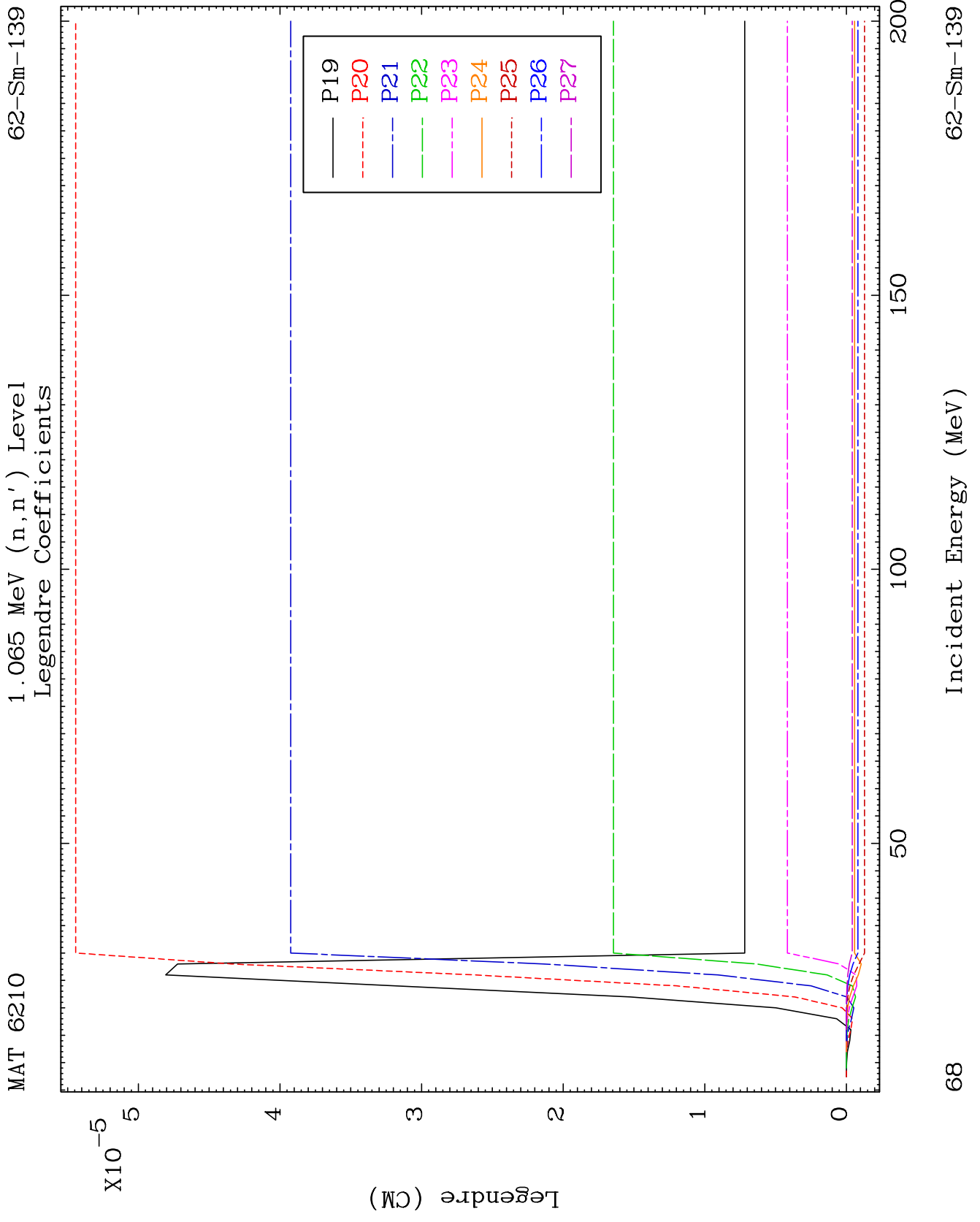


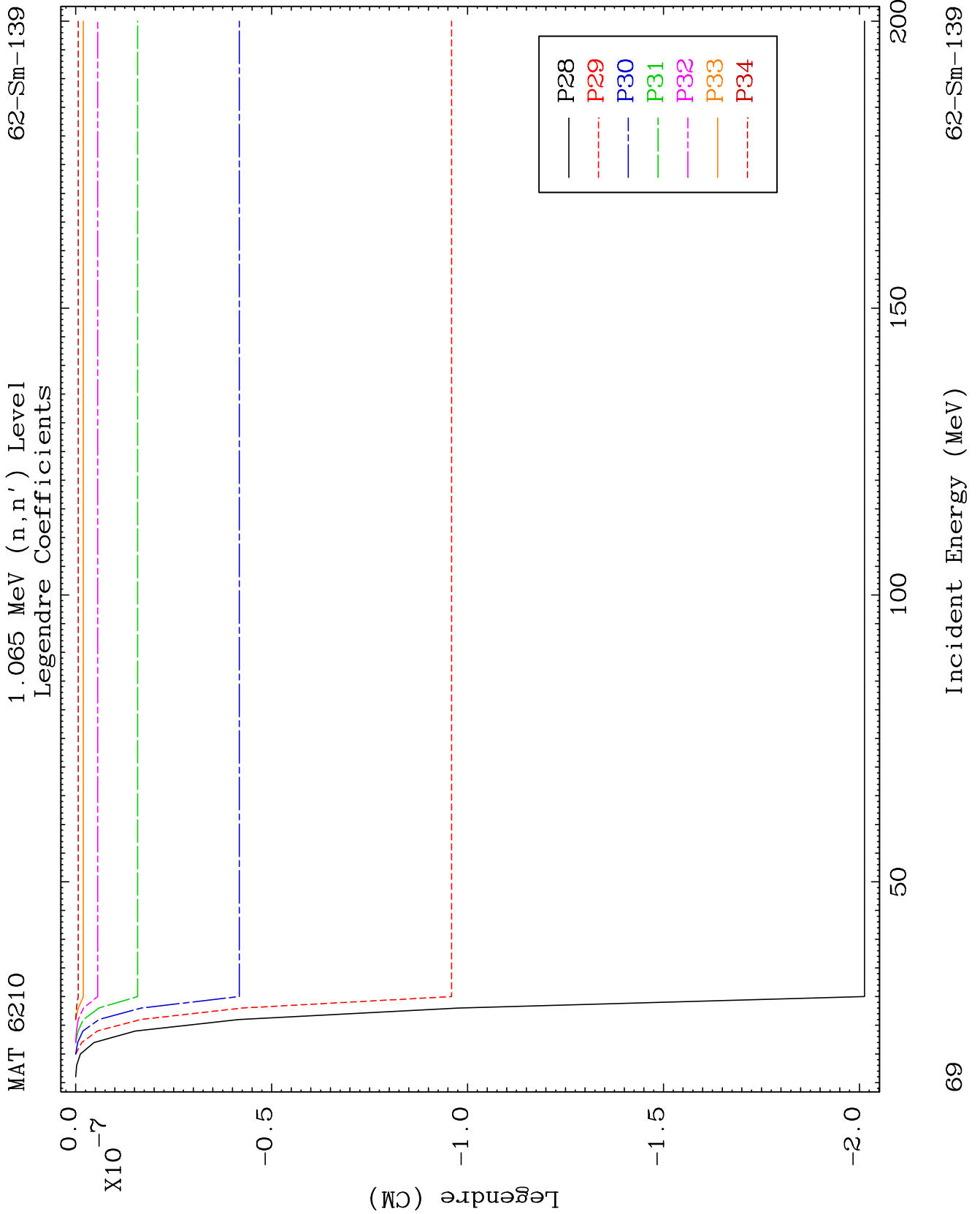
65

Incident Energy (MeV)

62-Sm-139



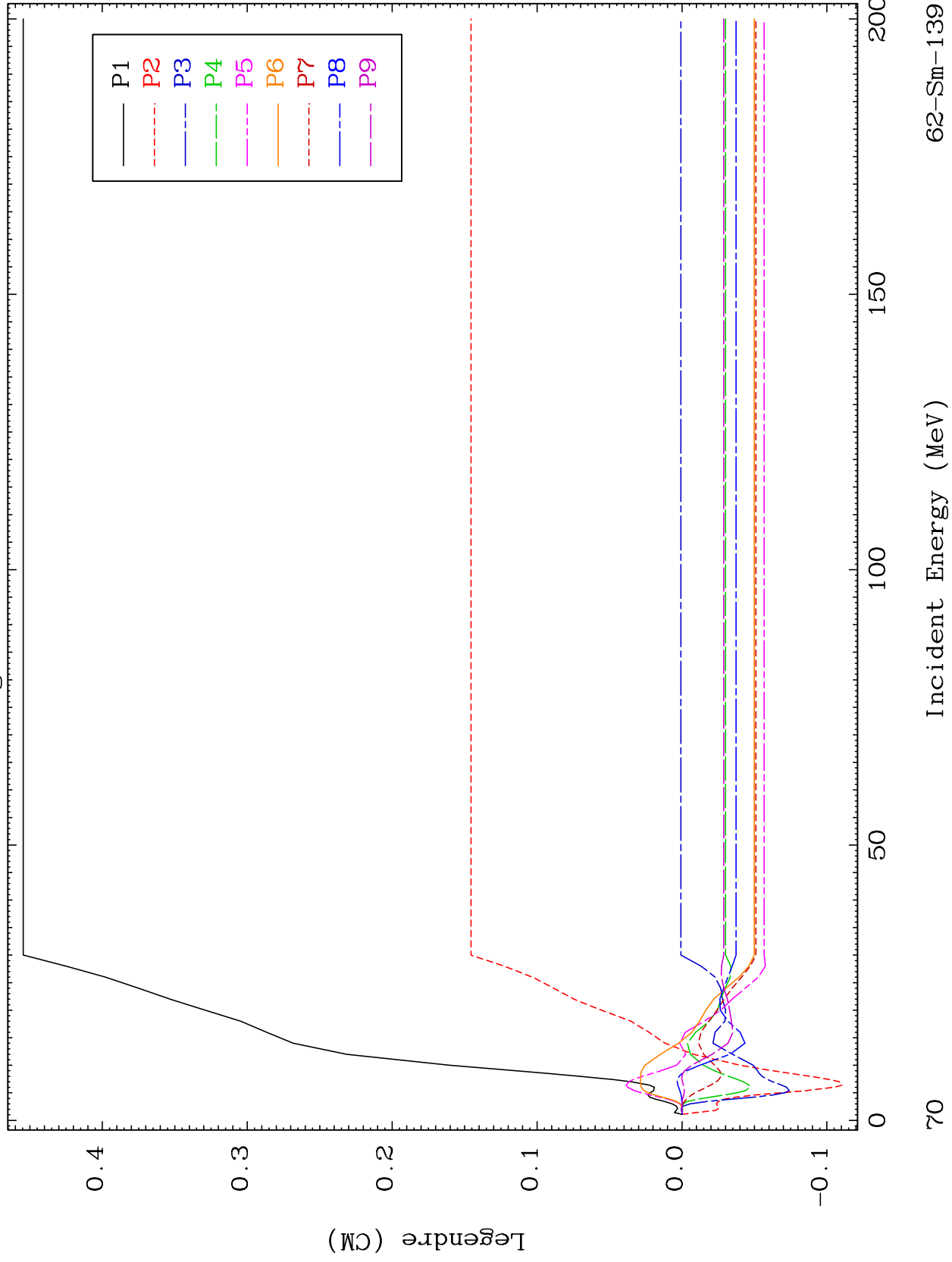




MAT 6210

1.067 MeV (n,n') Level
Legendre Coefficients

62-Sm-139



62-Sm-139

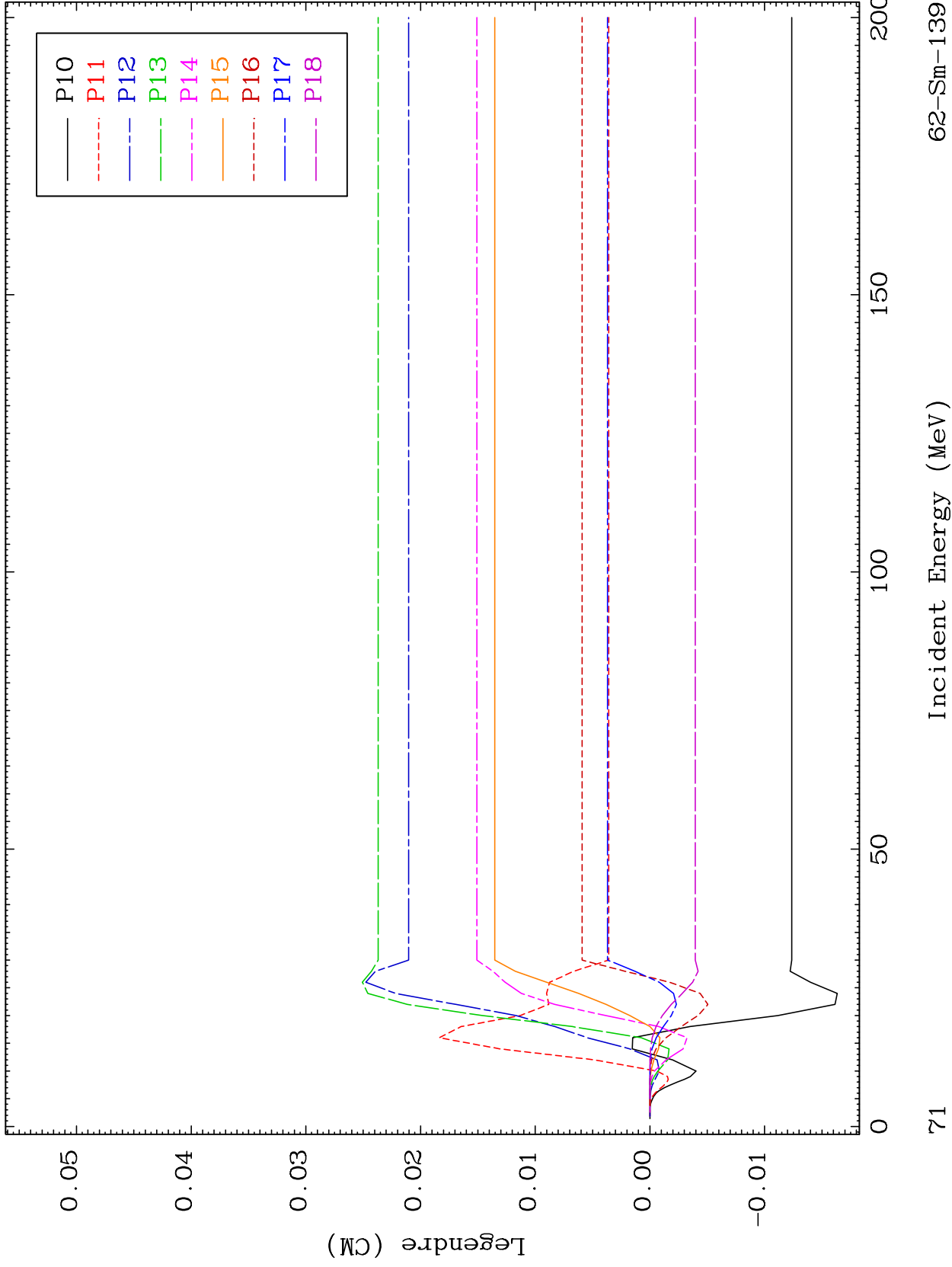
Incident Energy (MeV)

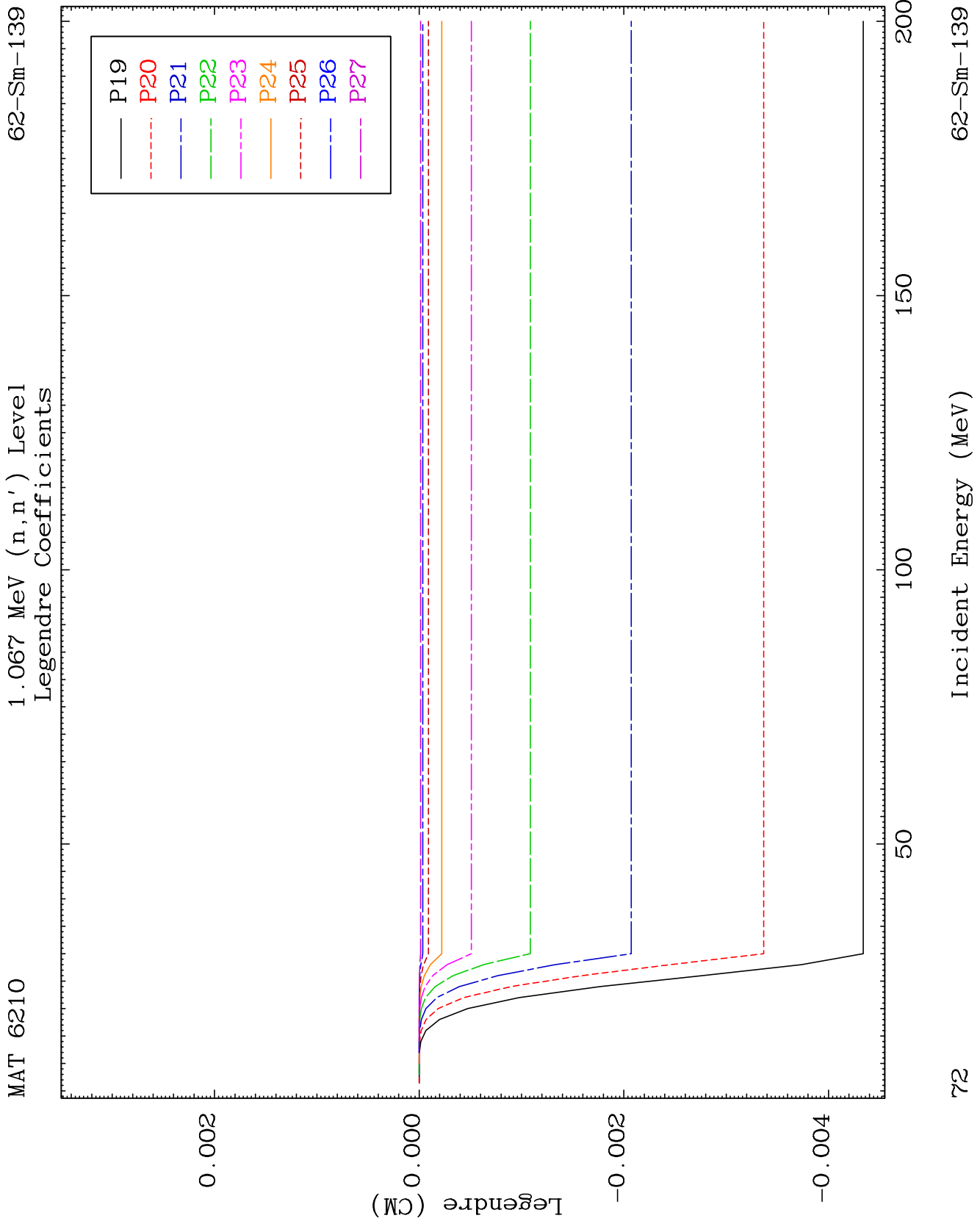
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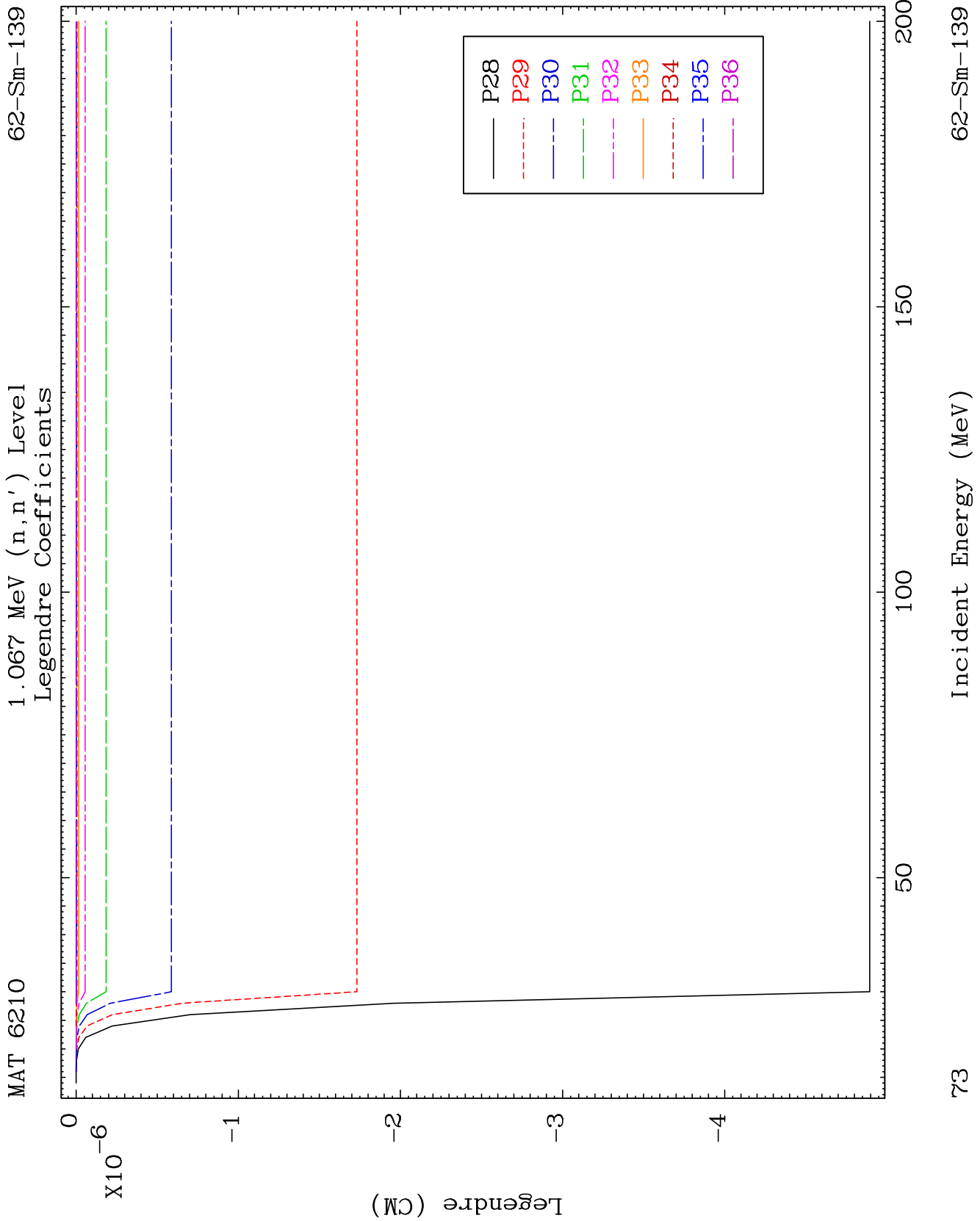
MAT 6210

1.067 MeV (n,n') Level
Legendre Coefficients

62-Sm-139



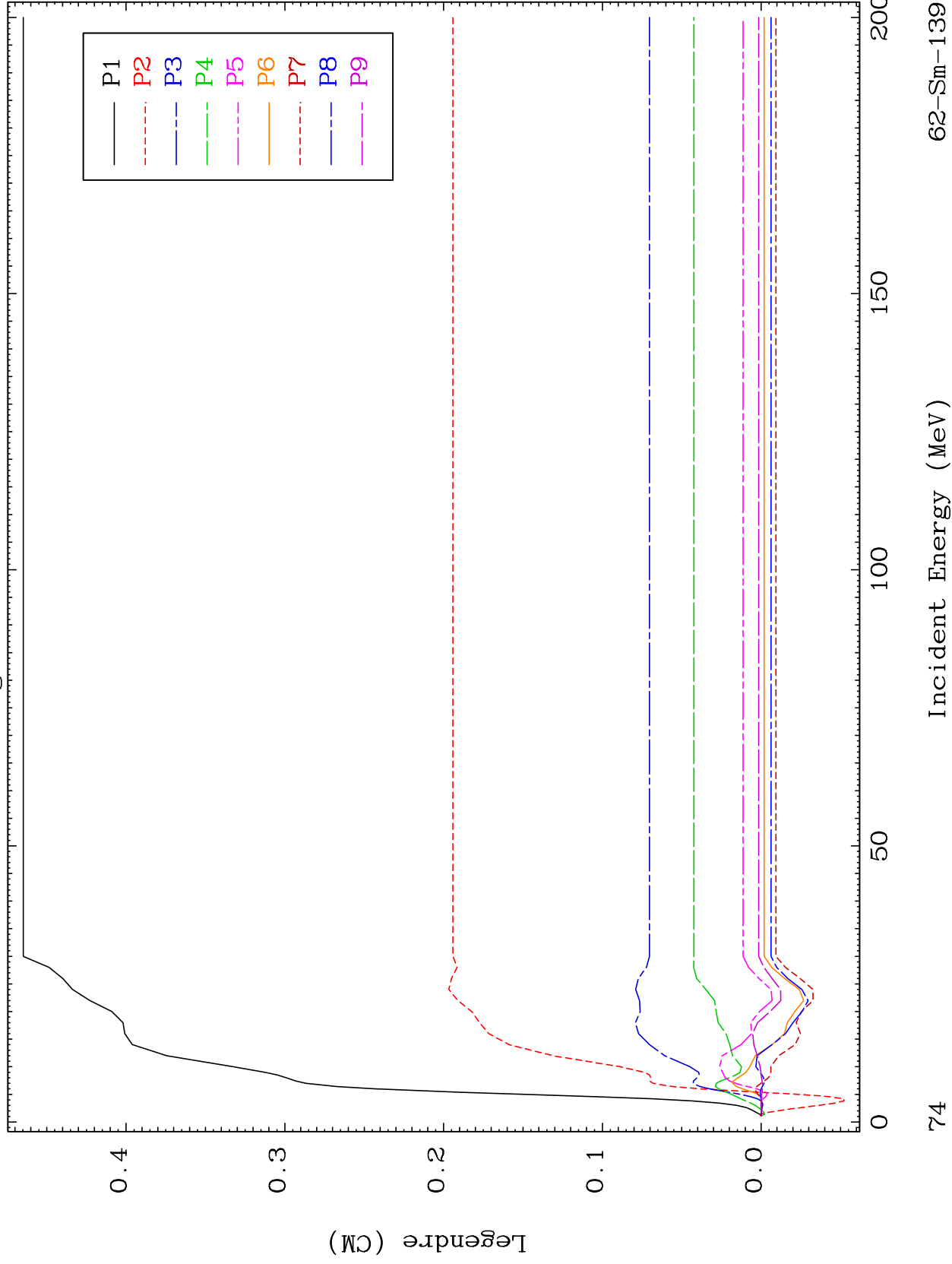




MAT 6210

1.075 MeV (n,n') Level
Legendre Coefficients

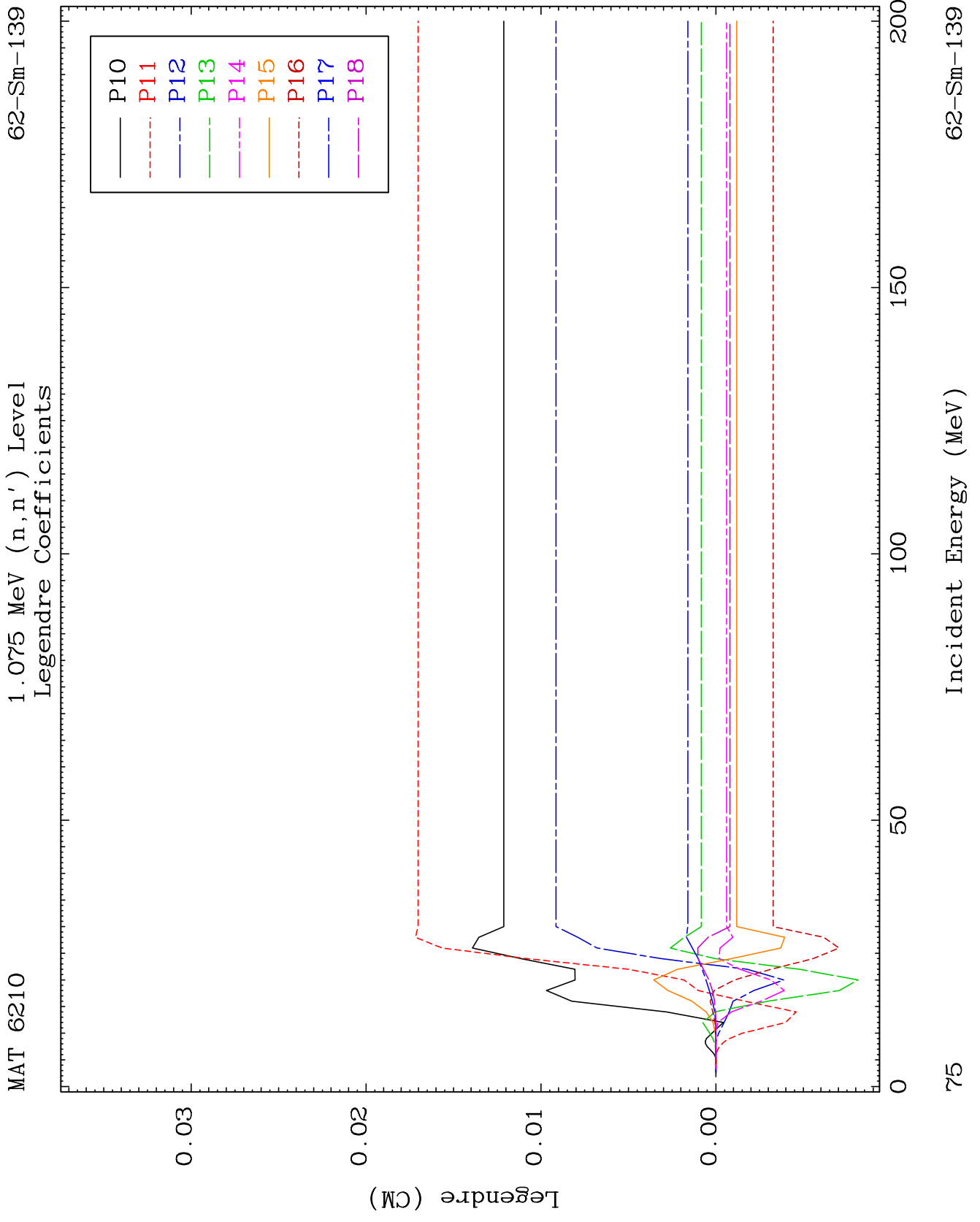
62-Sm-139



74

Incident Energy (MeV)

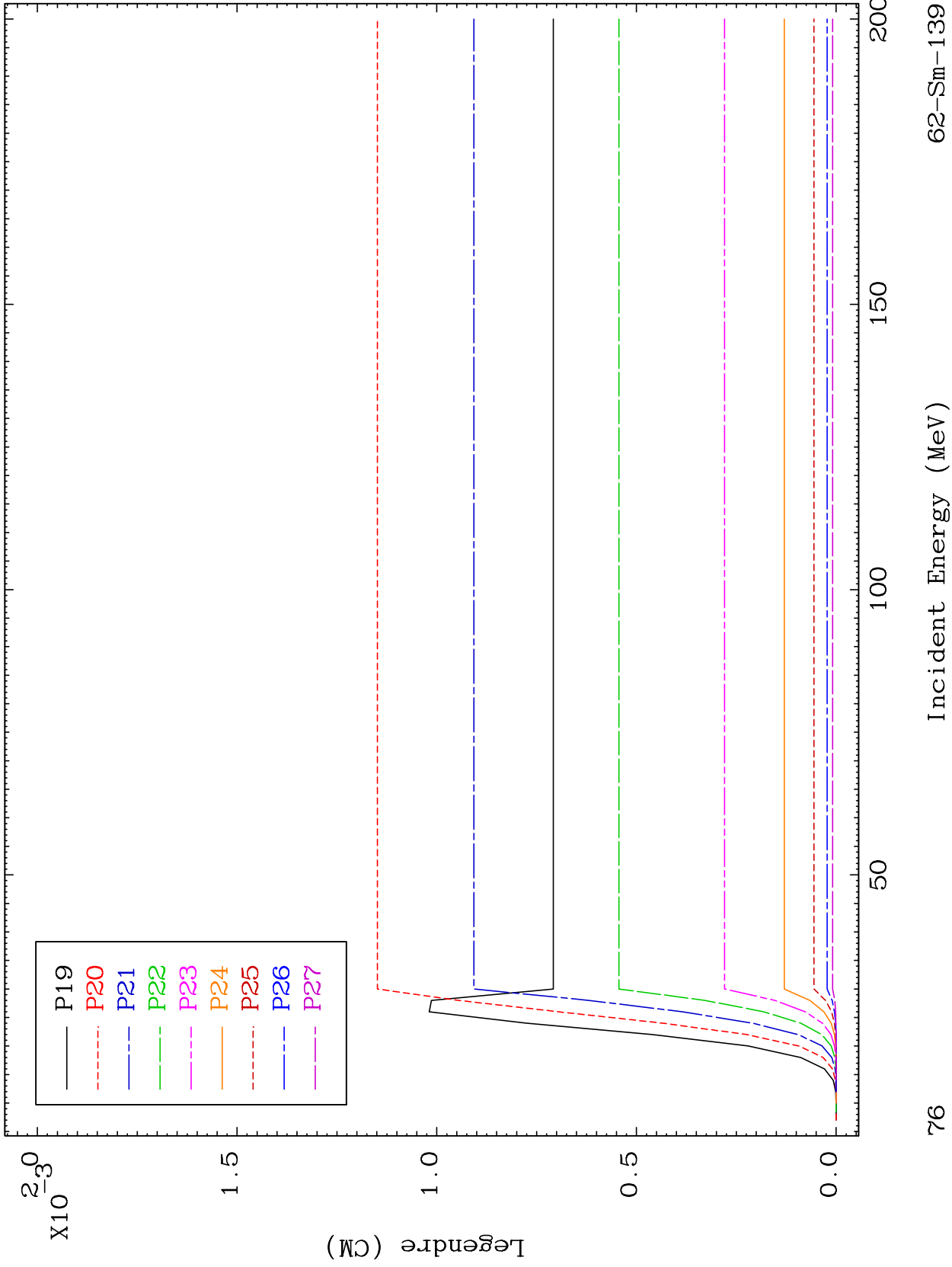
62-Sm-139

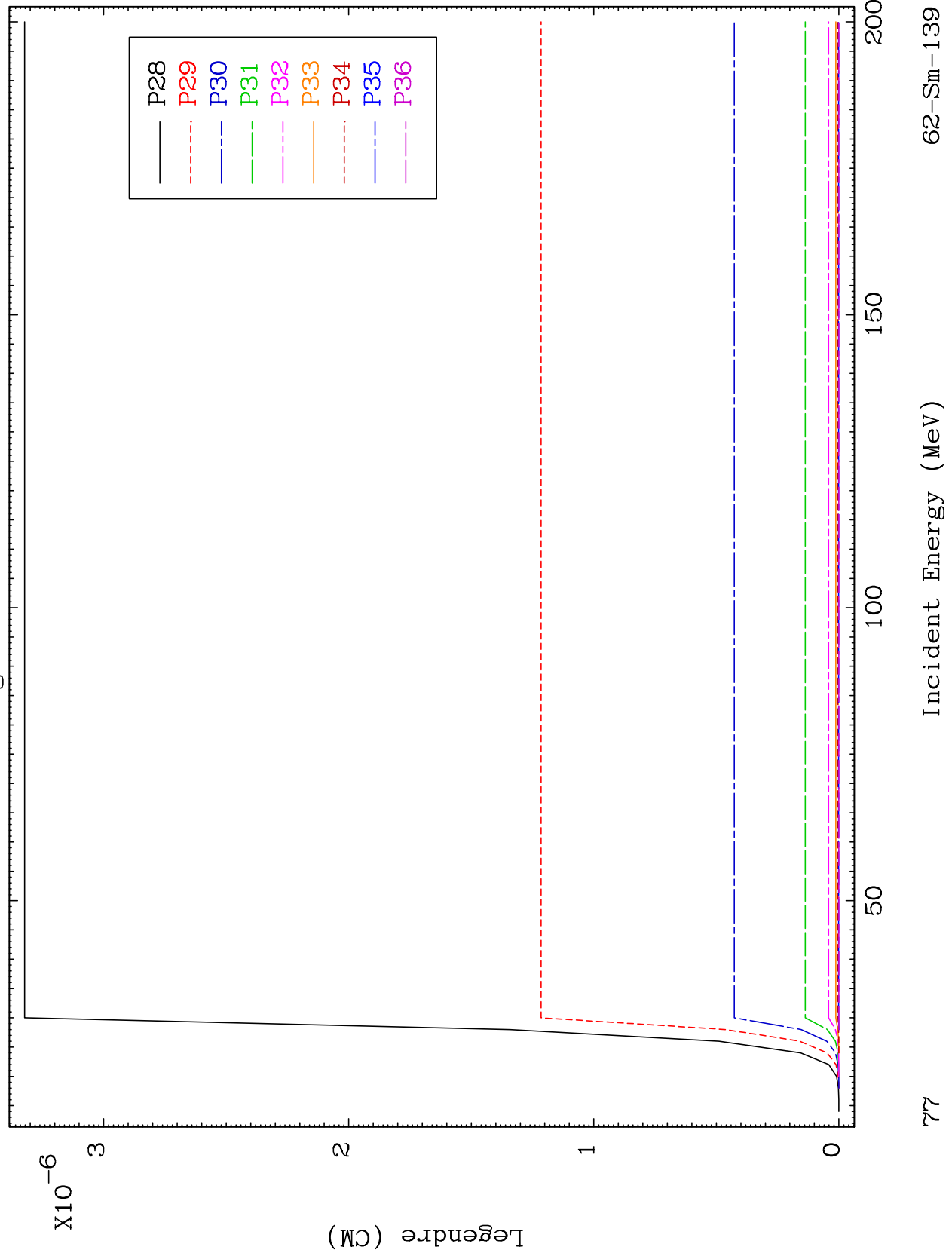


MAT 6210

1.075 MeV (n, n') Level
Legendre Coefficients

62-Sm-139

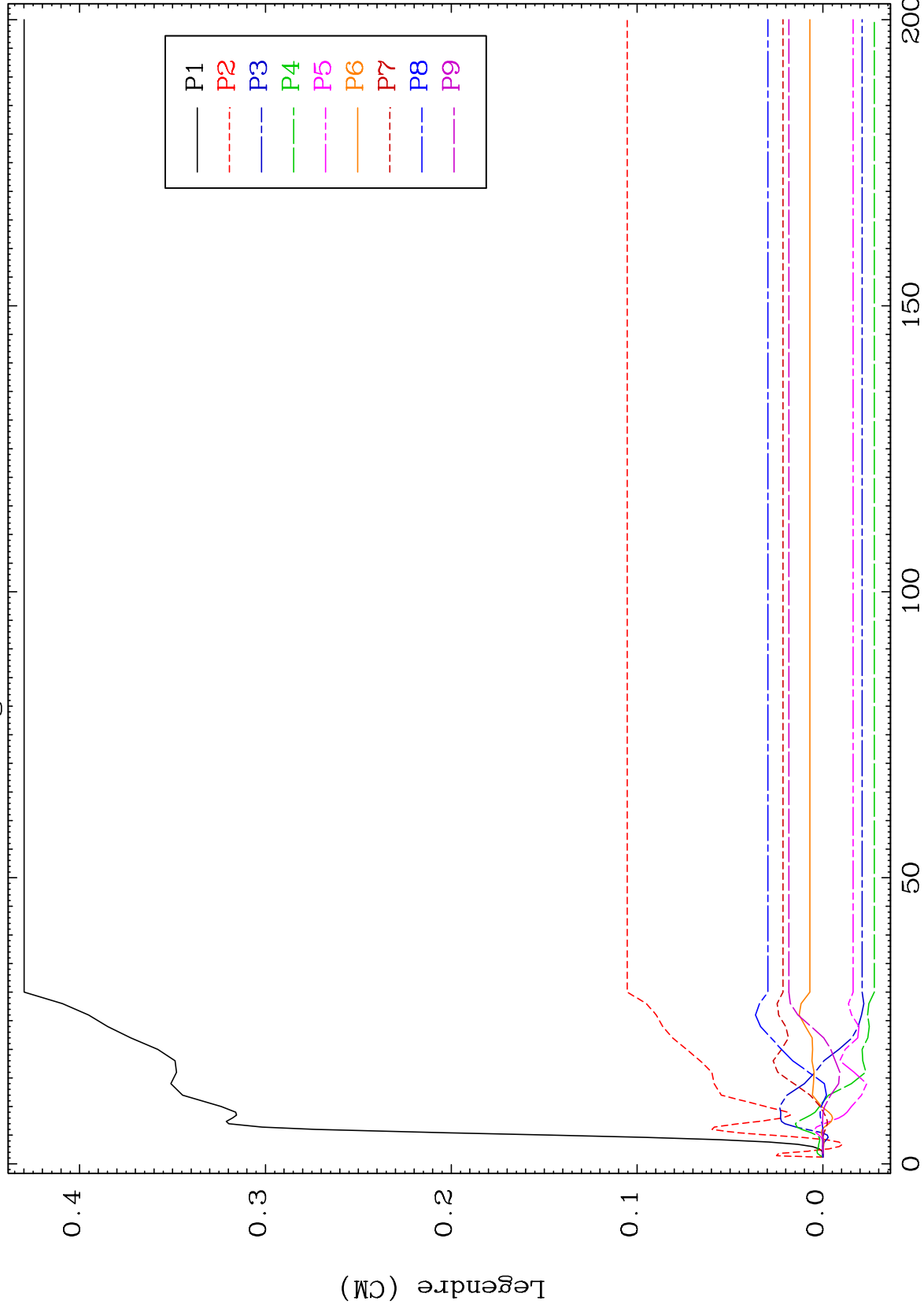




MAT 6210

1.137 MeV (n, n') Level
Legendre Coefficients

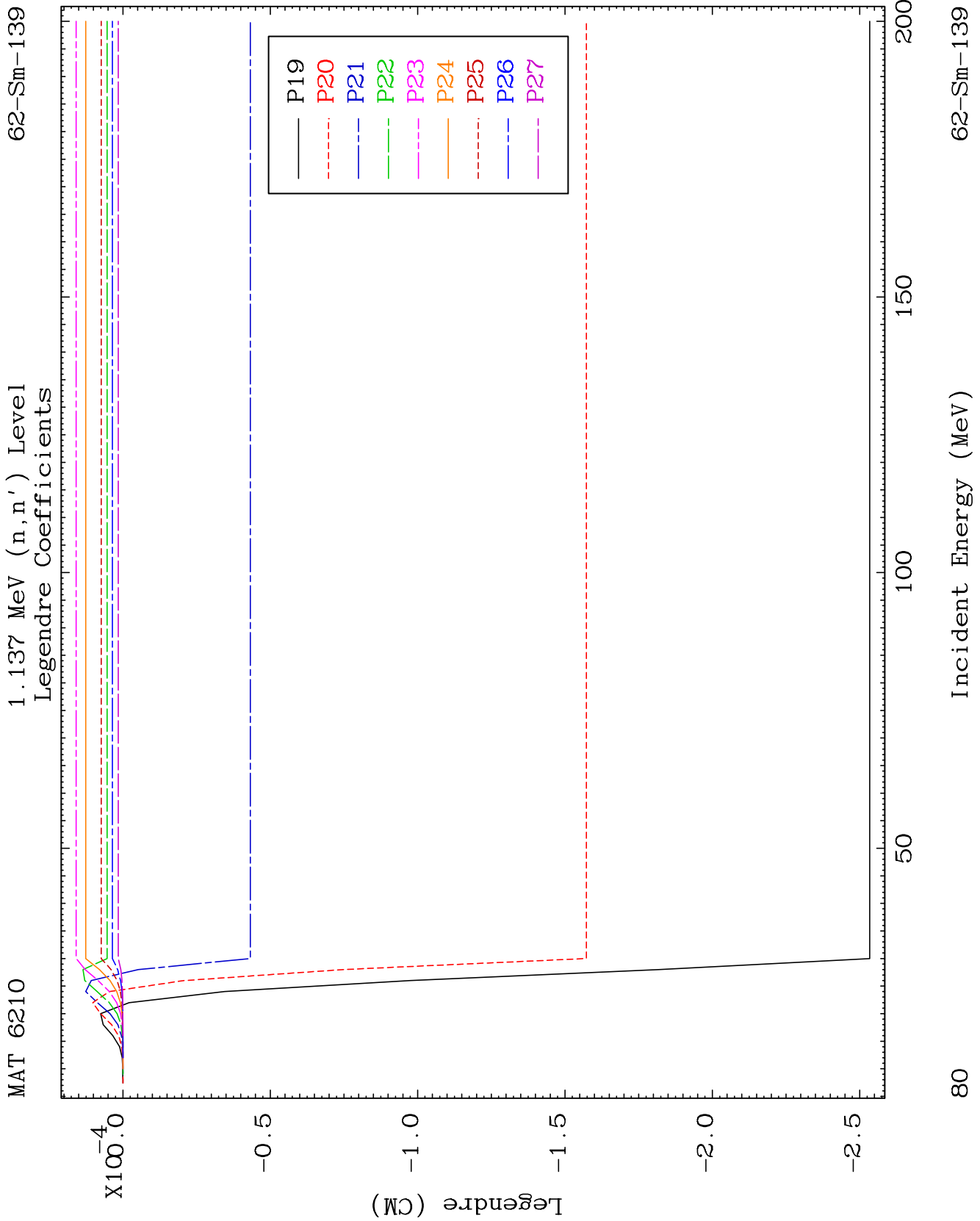
62-Sm-139

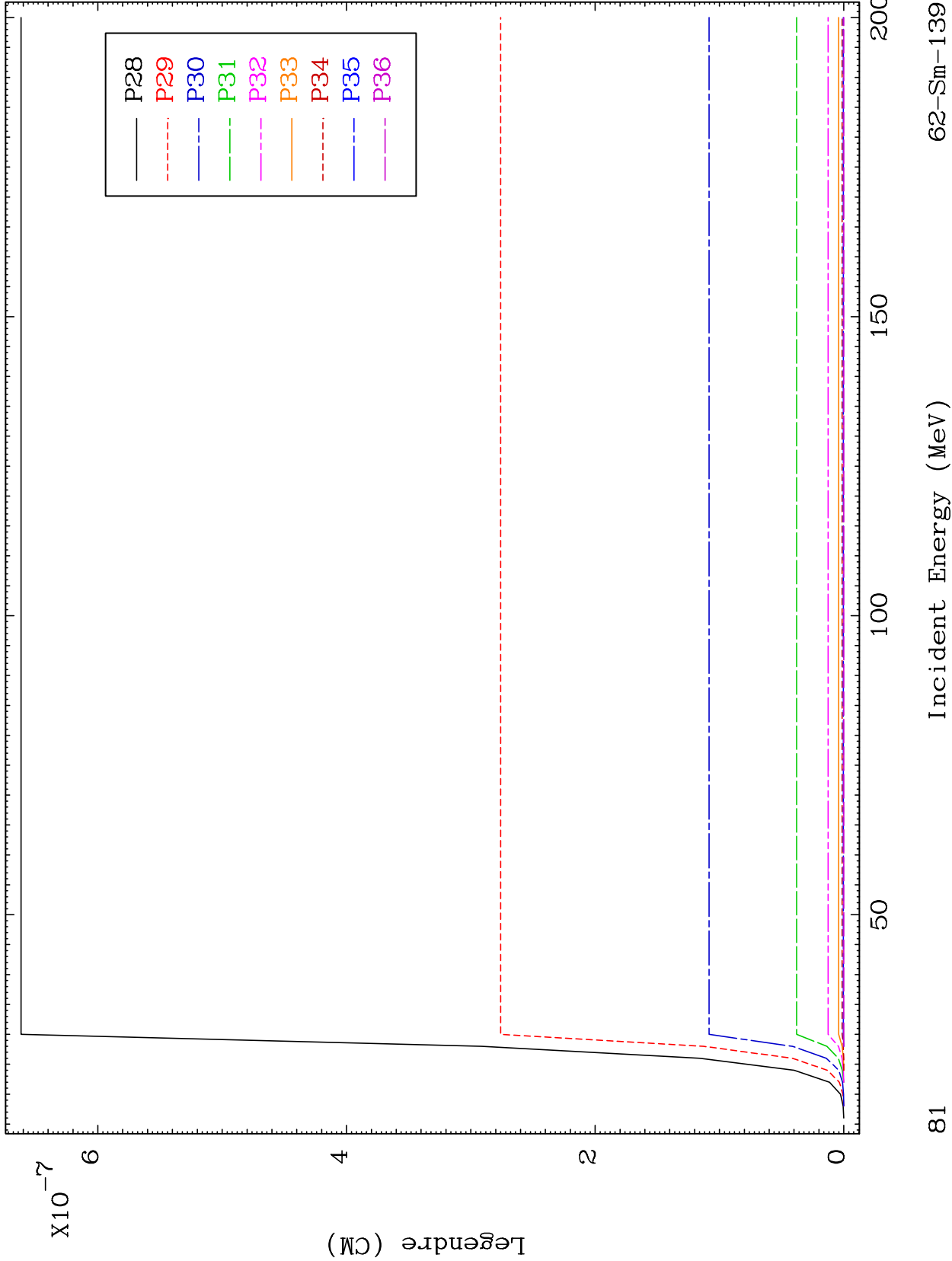


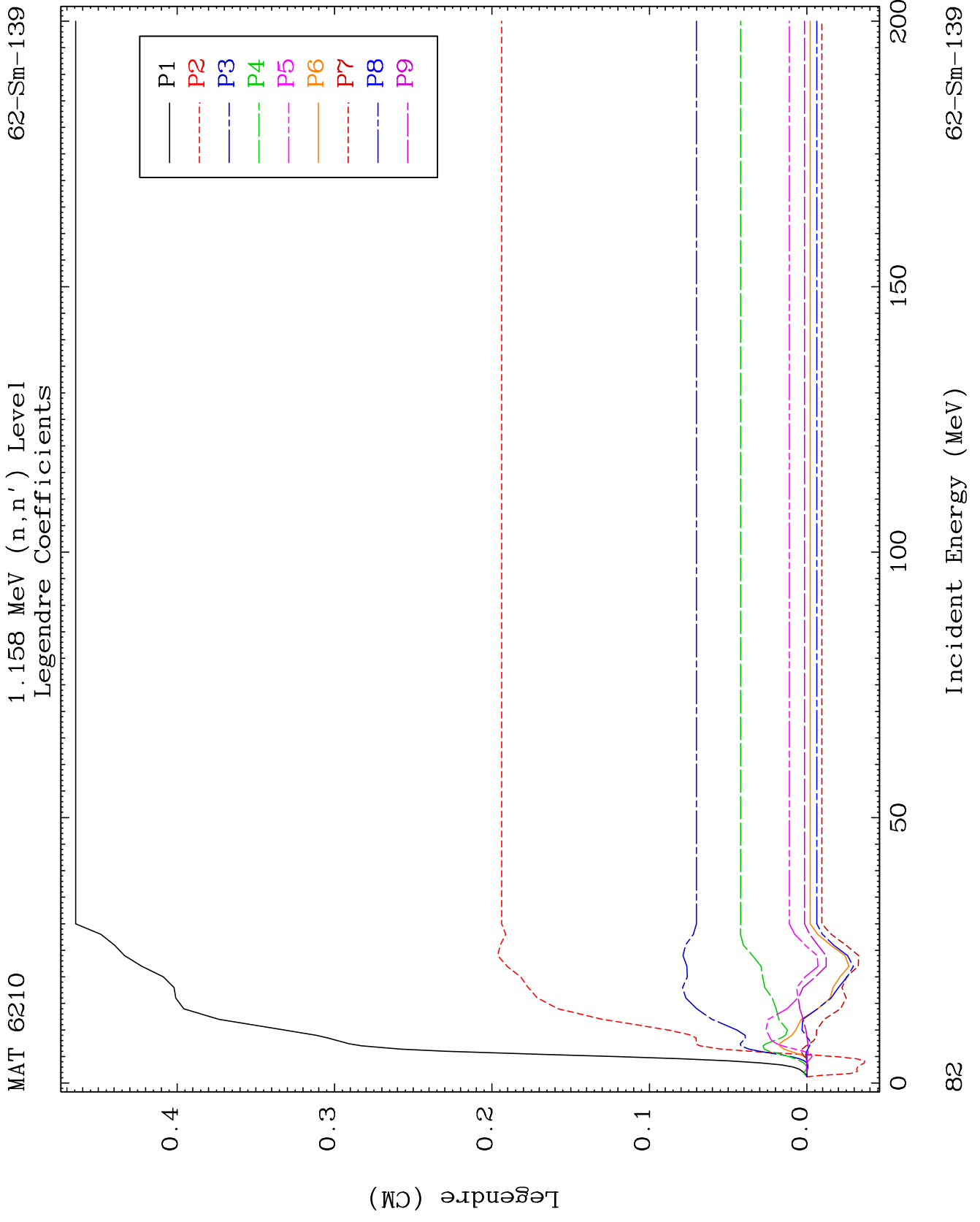
78

Incident Energy (MeV)

62-Sm-139



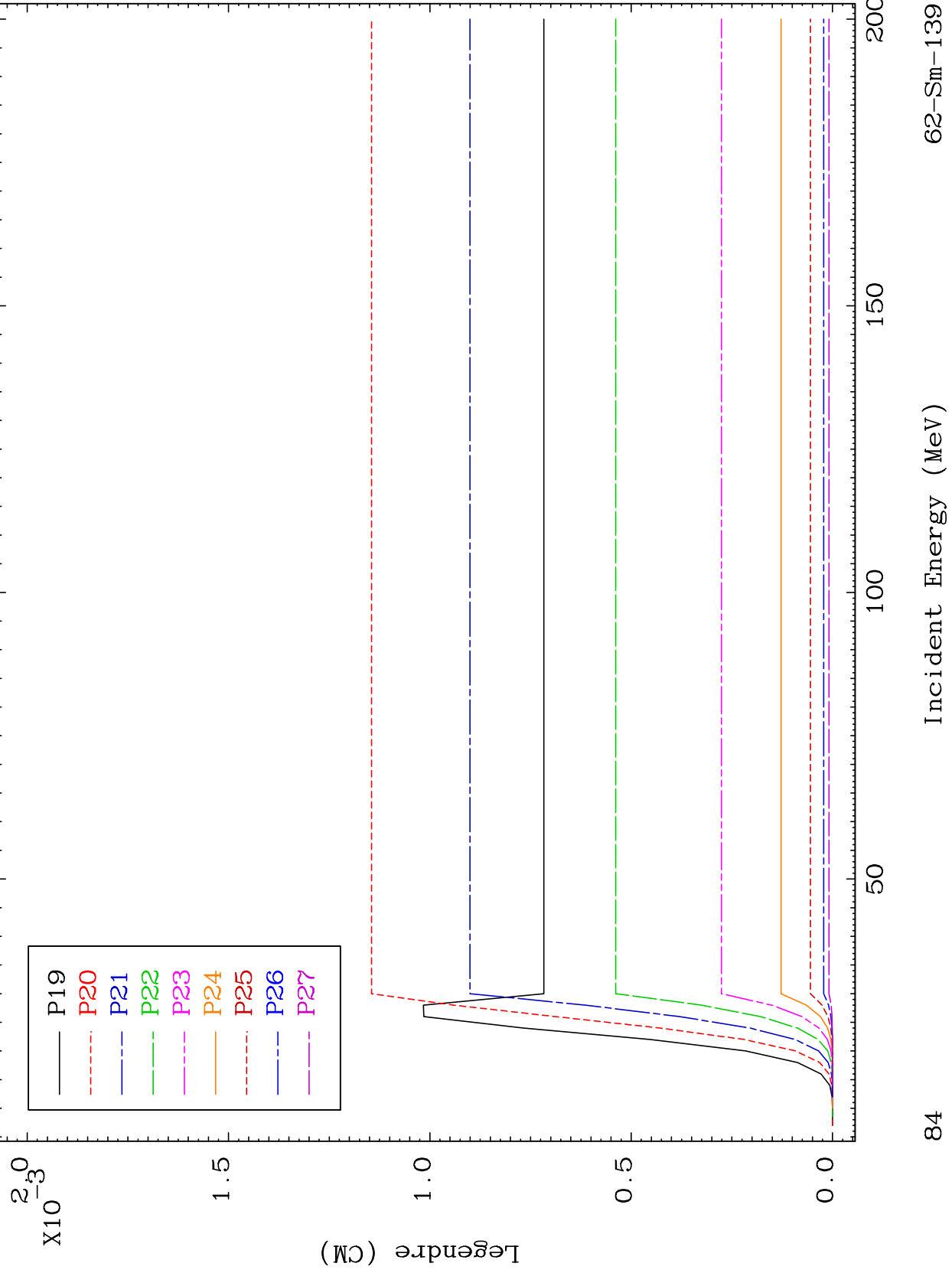


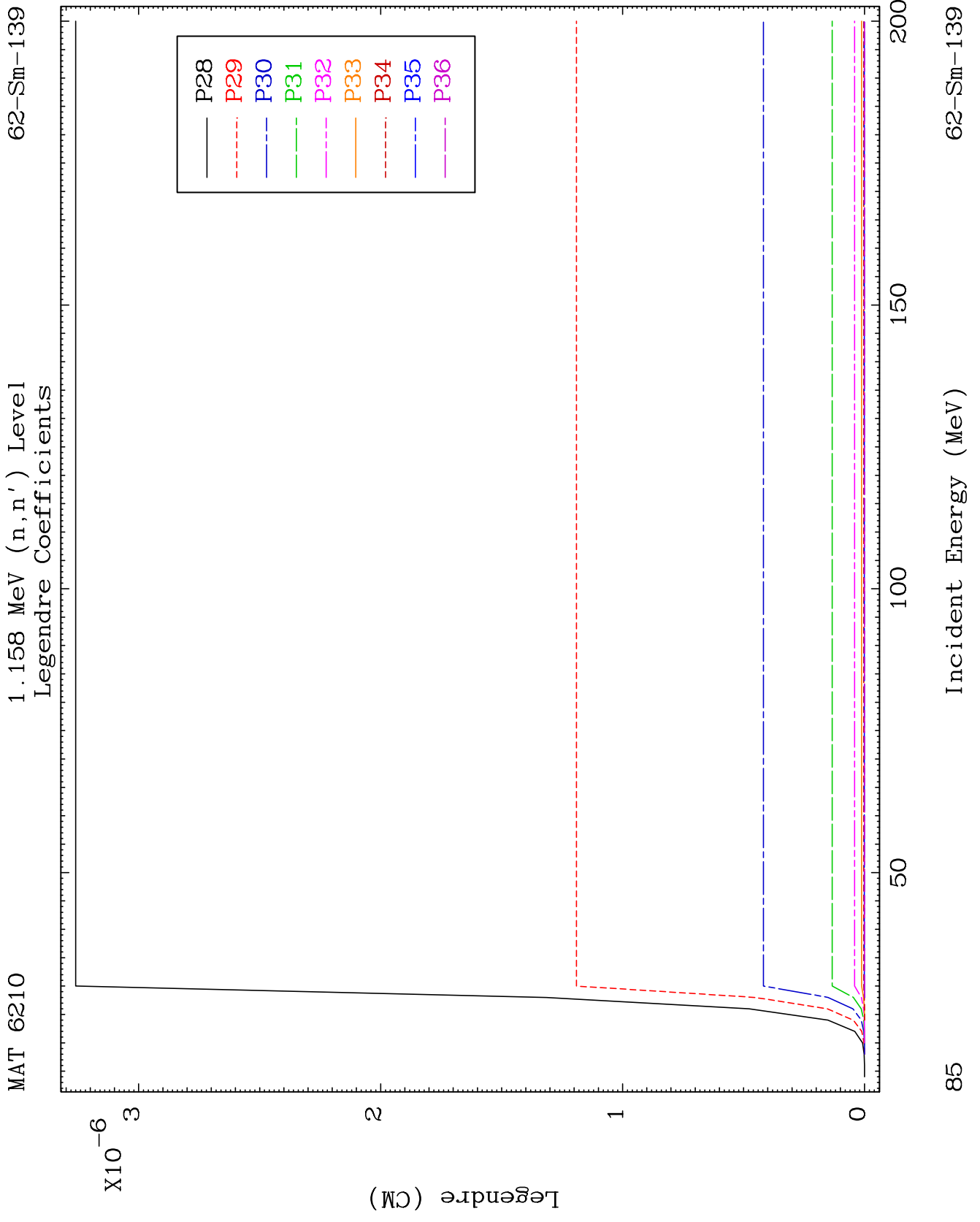


MAT 6210

1.158 MeV (n, n') Level
Legendre Coefficients

62-Sm-139

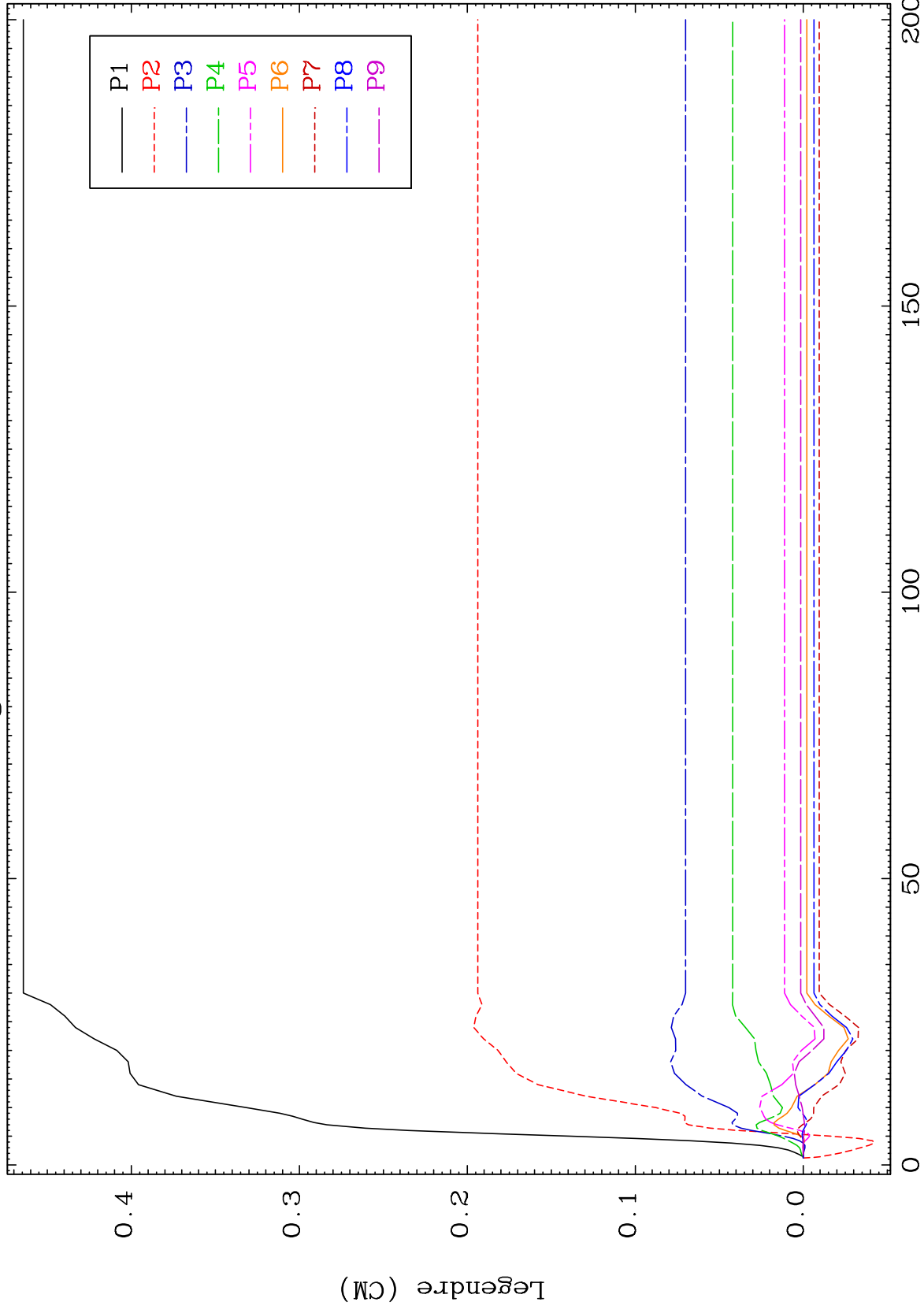




MAT 6210

1.176 MeV (n, n') Level
Legendre Coefficients

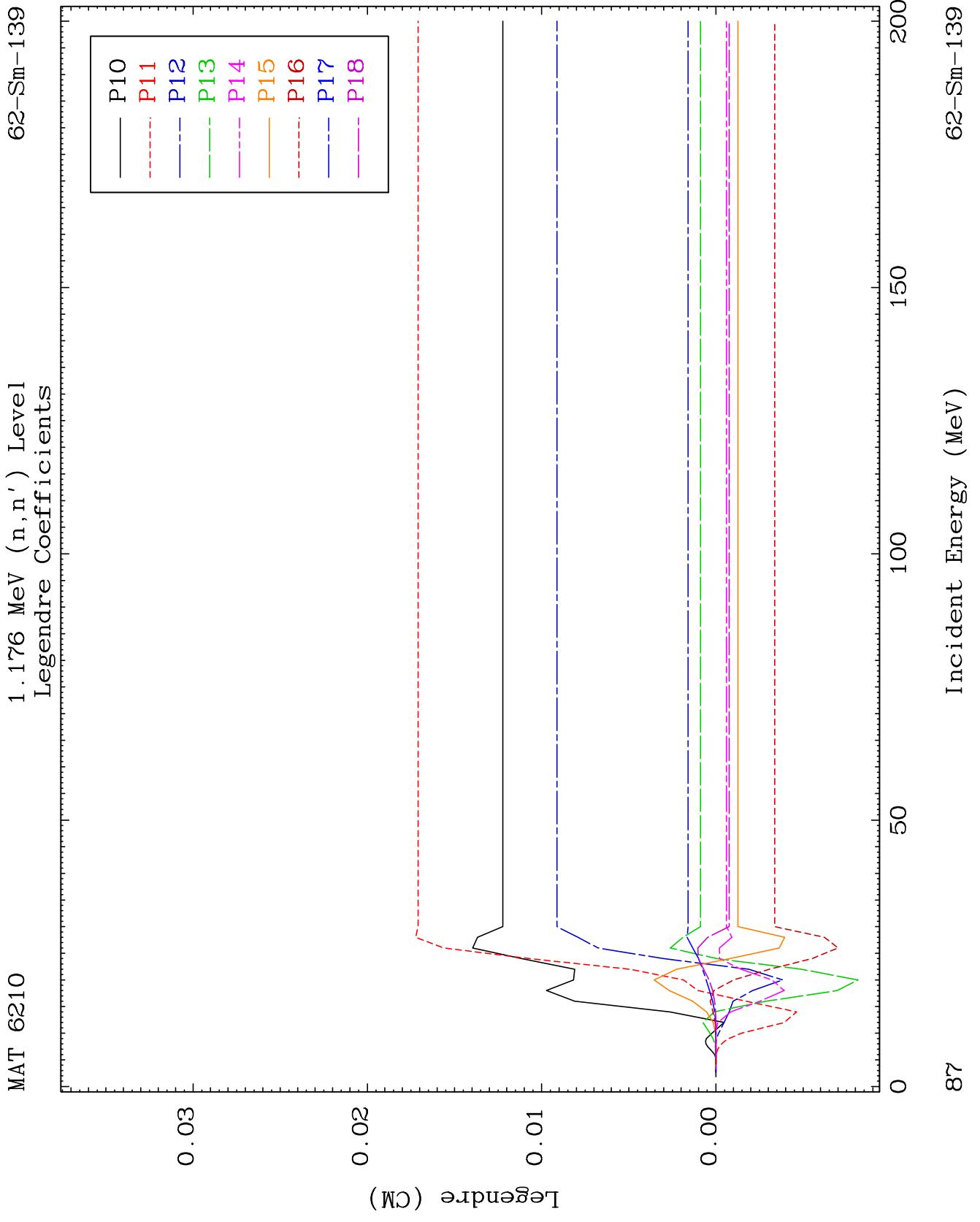
62-Sm-139



86

Incident Energy (MeV)

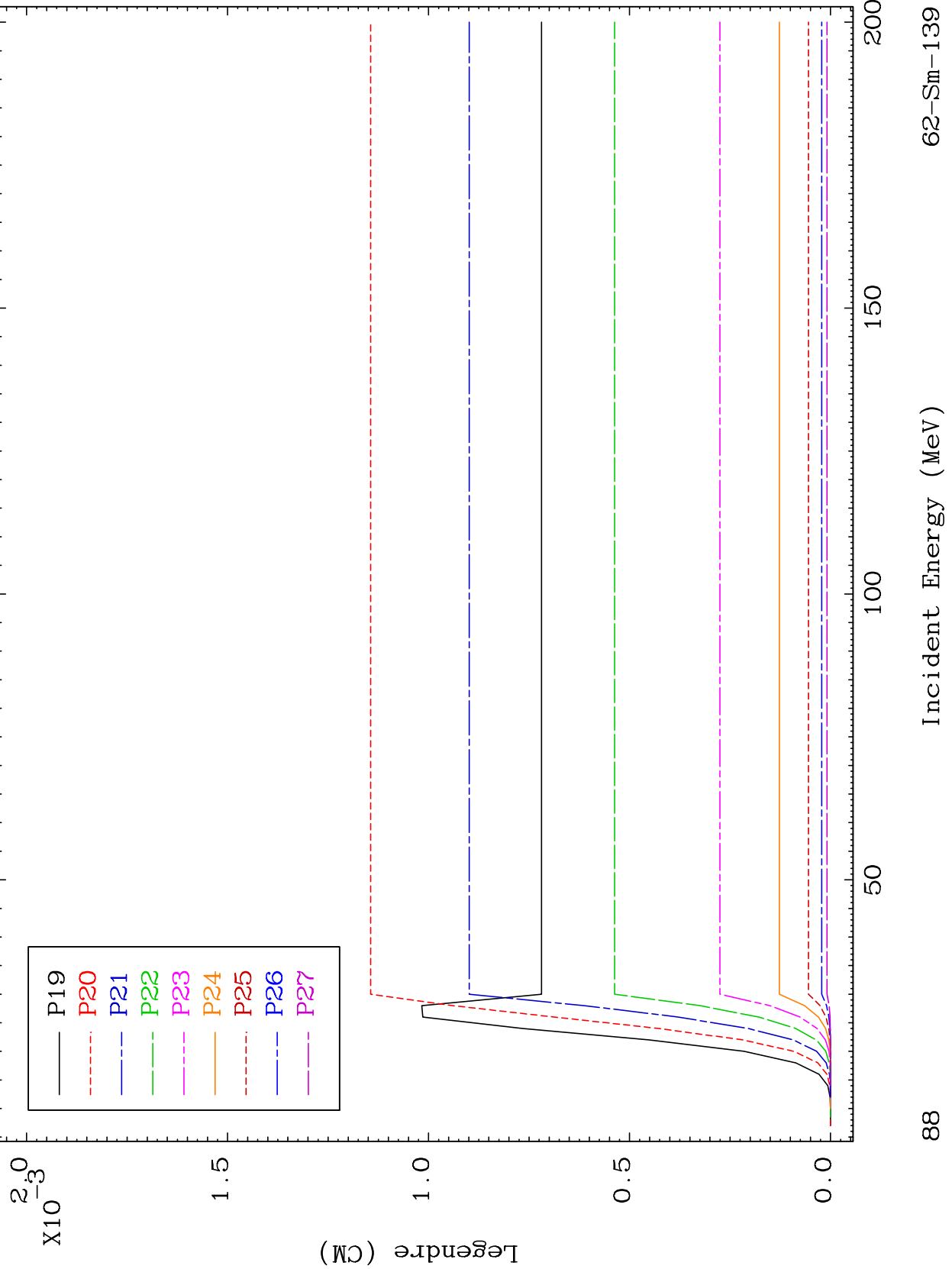
62-Sm-139



MAT 6210

1.176 MeV (n, n') Level
Legendre Coefficients

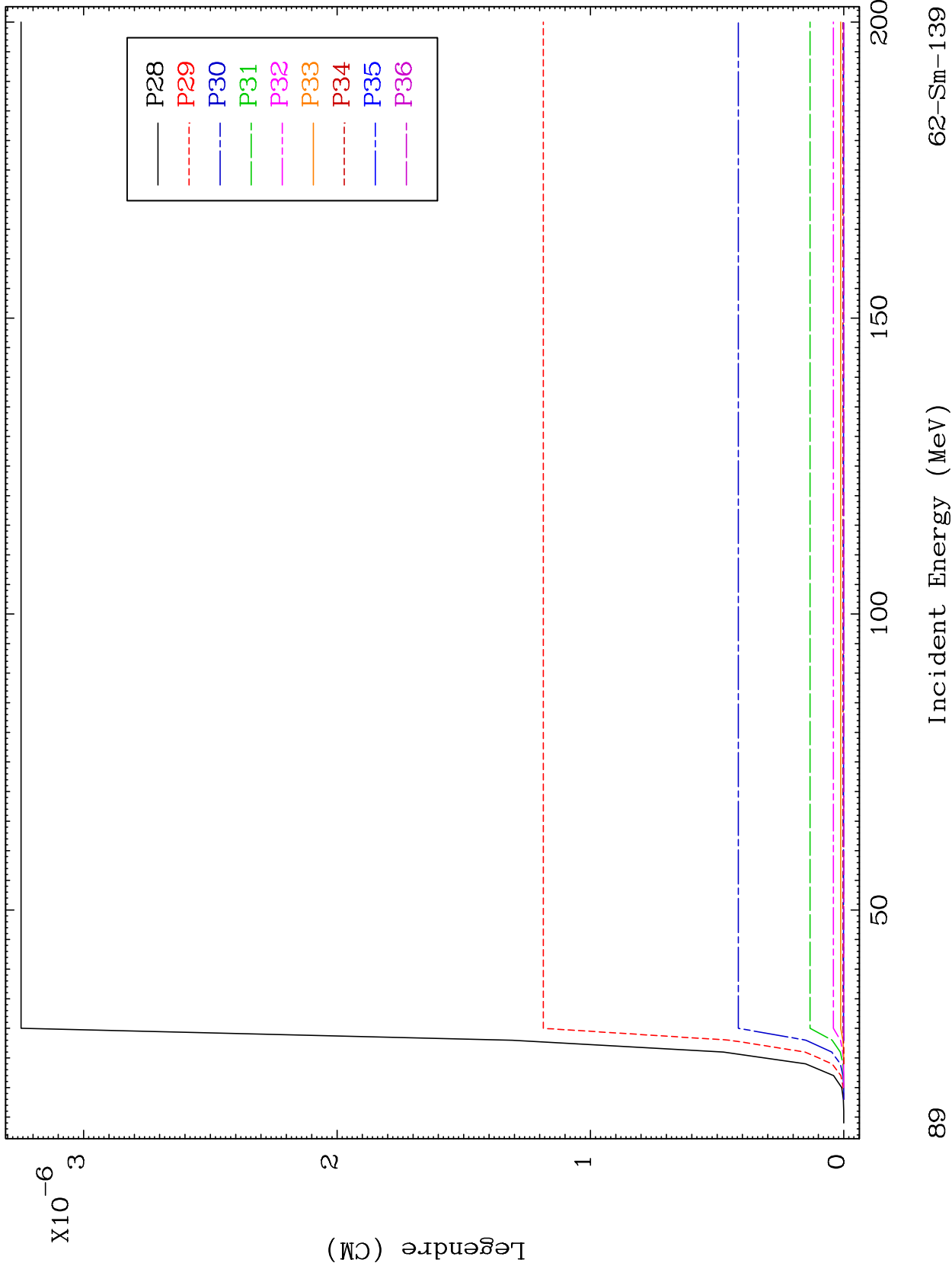
62-Sm-139



MAT 6210

1.176 MeV (n,n') Level
Legendre Coefficients

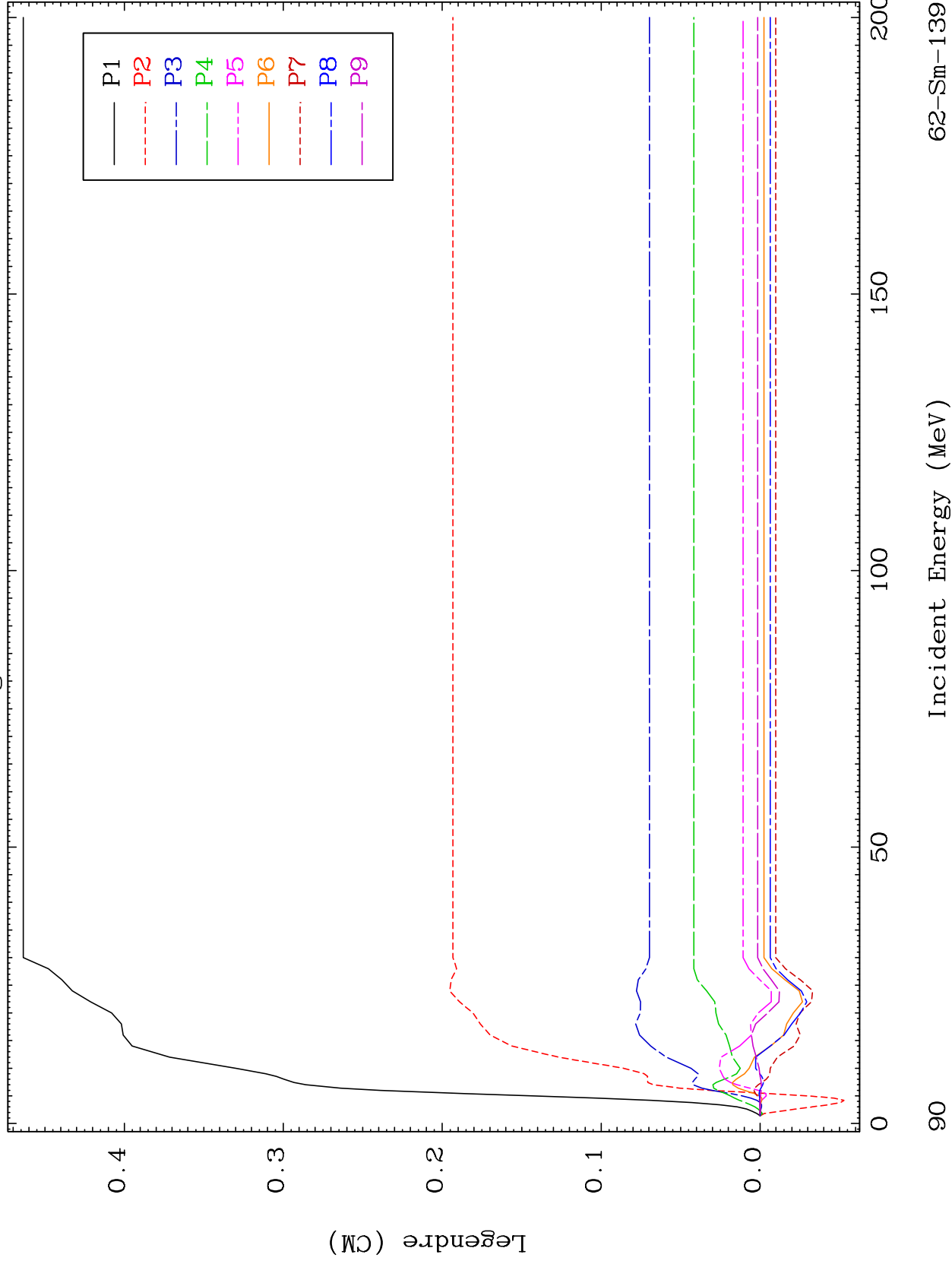
62-Sm-139



MAT 6210

1.346 MeV (n,n') Level
Legendre Coefficients

62-Sm-139



62-Sm-139

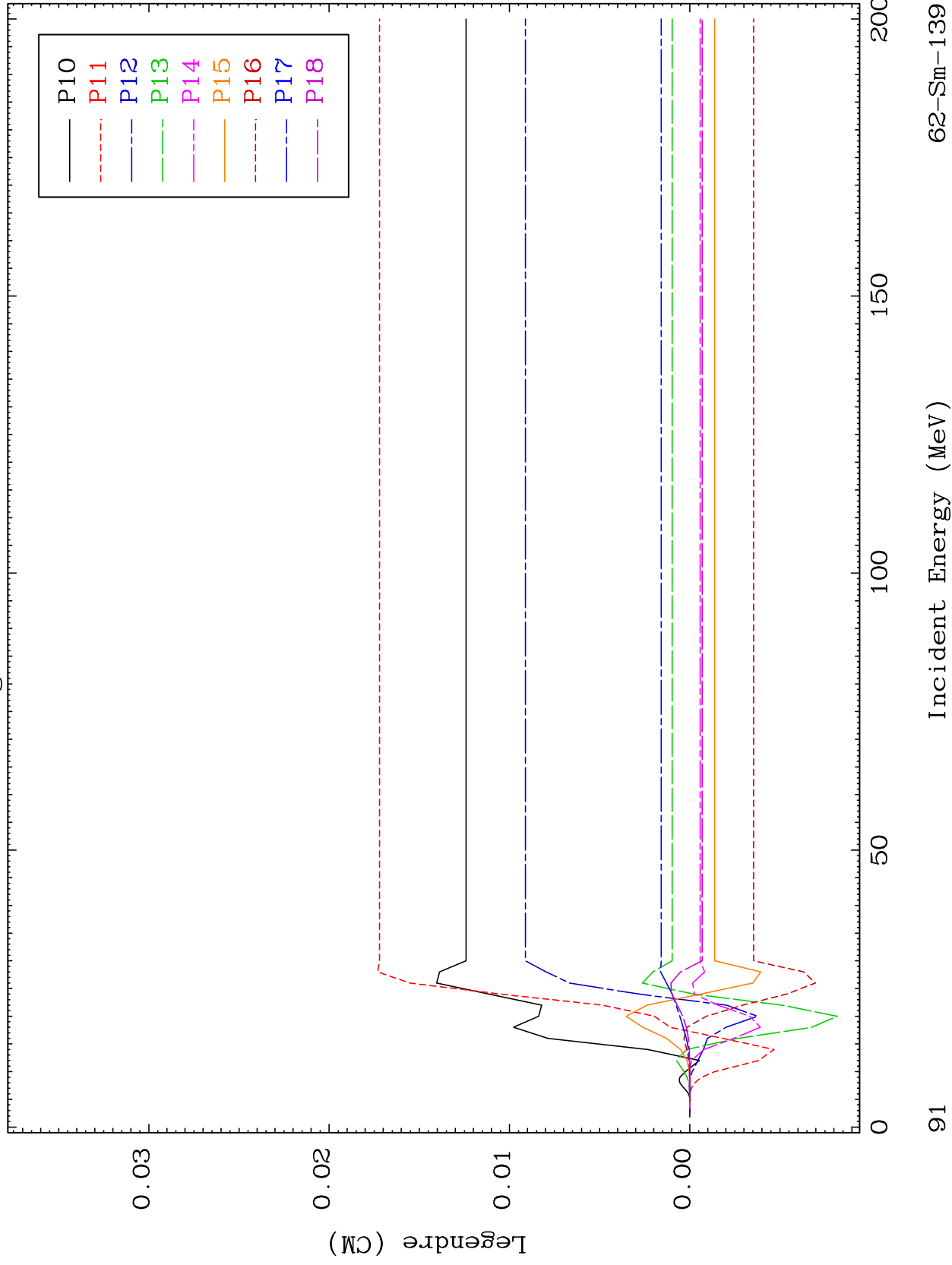
Incident Energy (MeV)

90

MAT 6210

1.346 MeV (n,n') Level
Legendre Coefficients

62-Sm-139



91

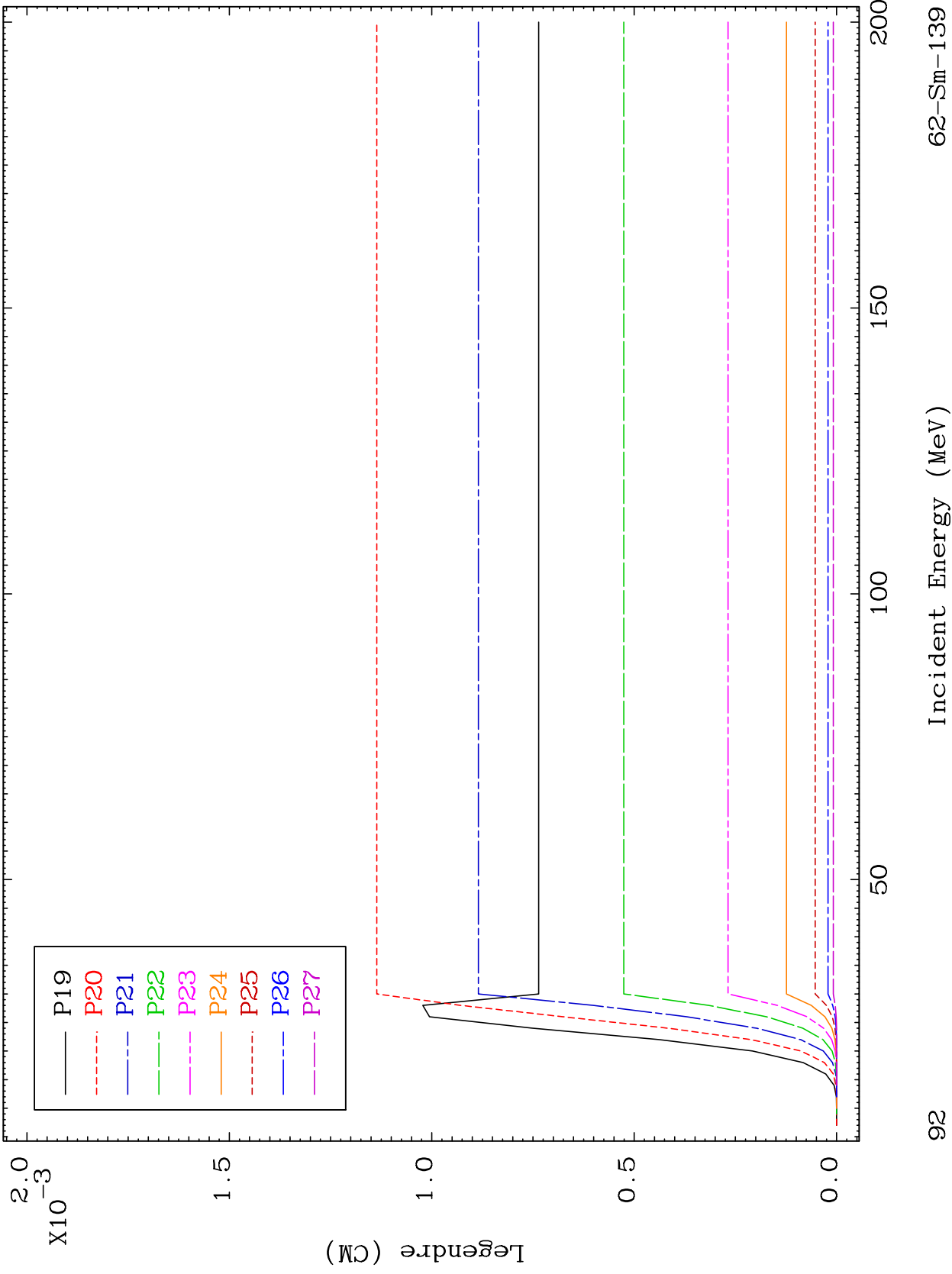
Incident Energy (MeV)

62-Sm-139

MAT 6210

1.346 MeV (n, n') Level
Legendre Coefficients

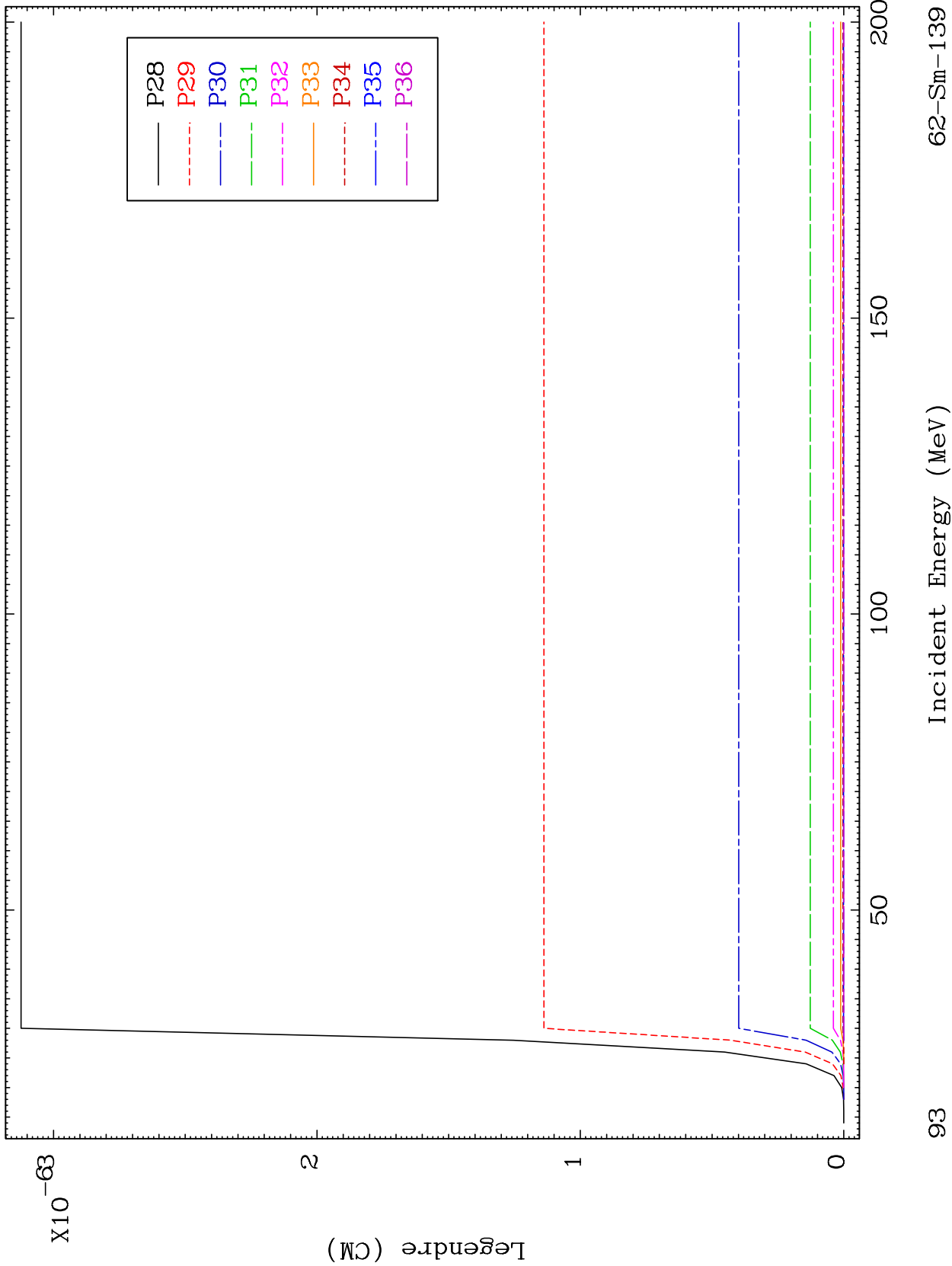
62-Sm-139



MAT 6210

1.346 MeV (n,n') Level
Legendre Coefficients

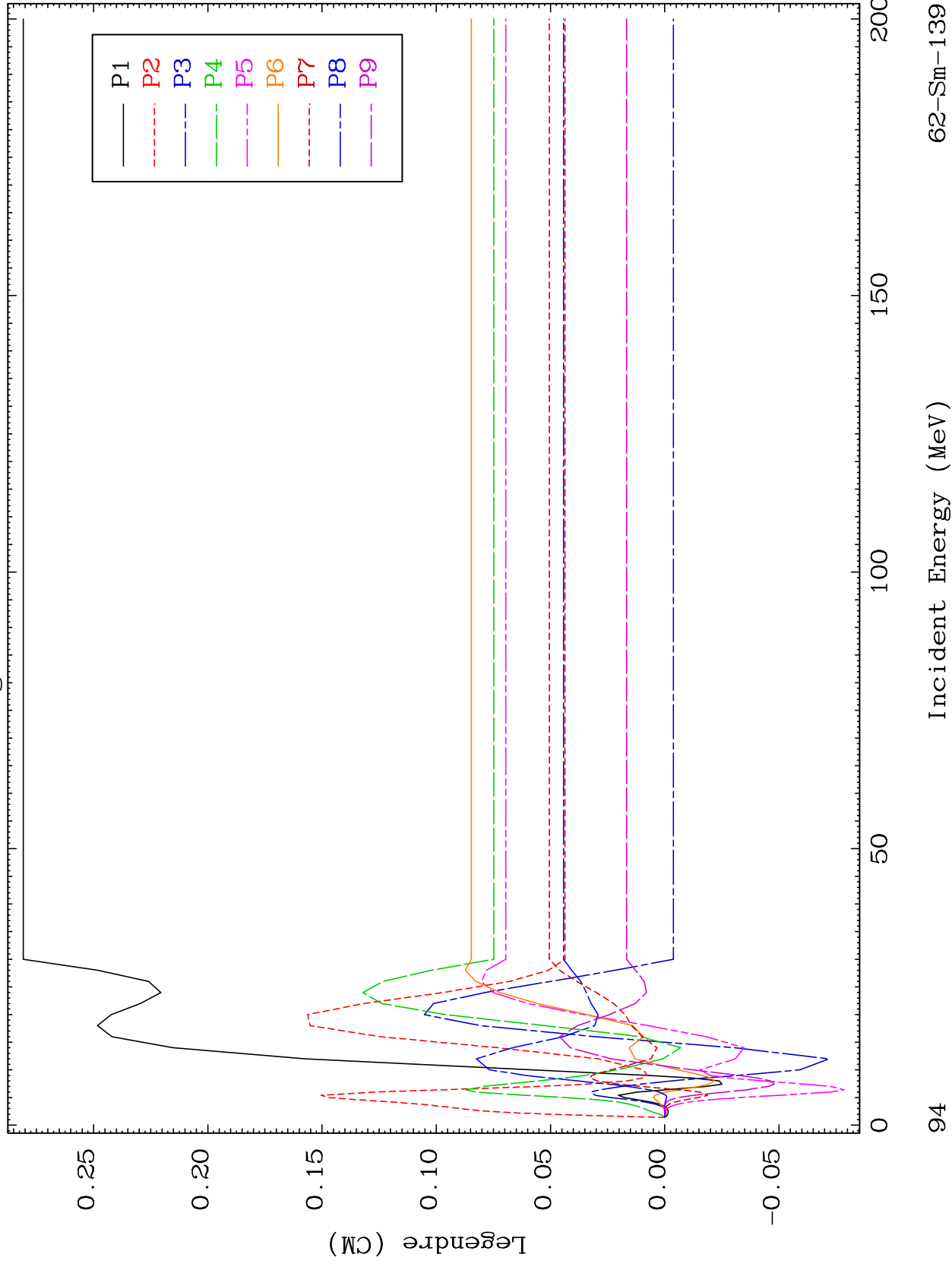
62-Sm-139



MAT 6210

1.380 MeV (n,n') Level
Legendre Coefficients

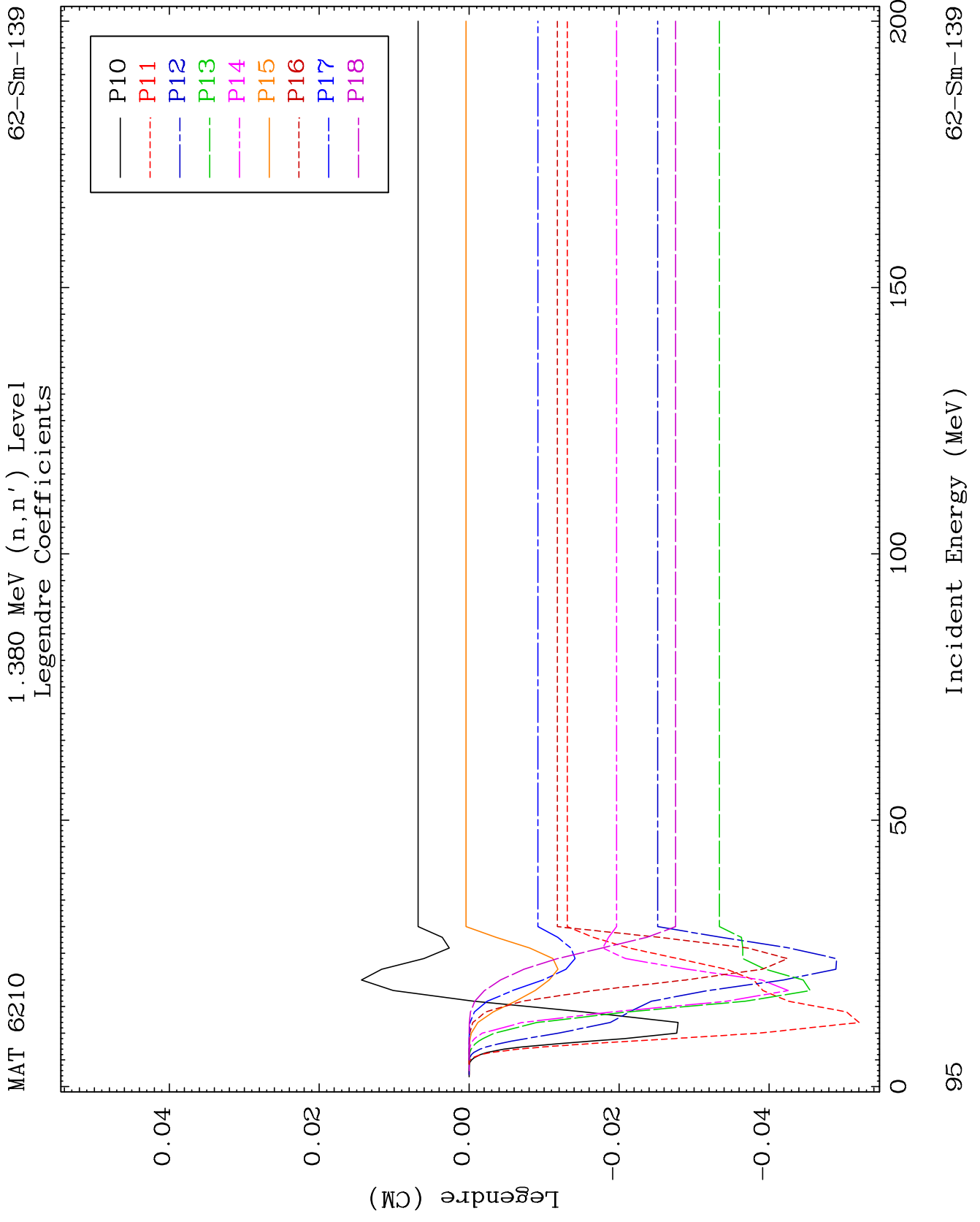
62-Sm-139

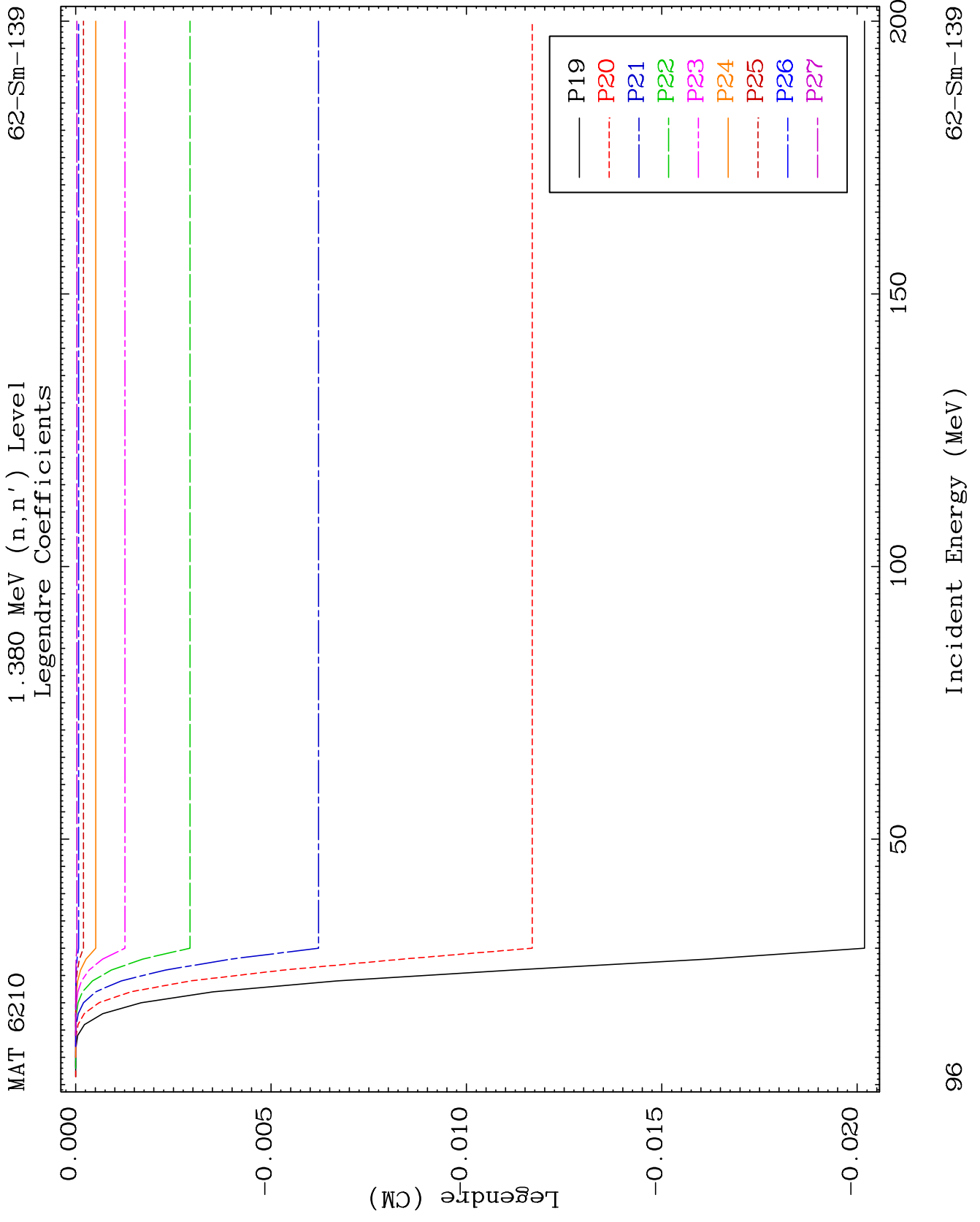


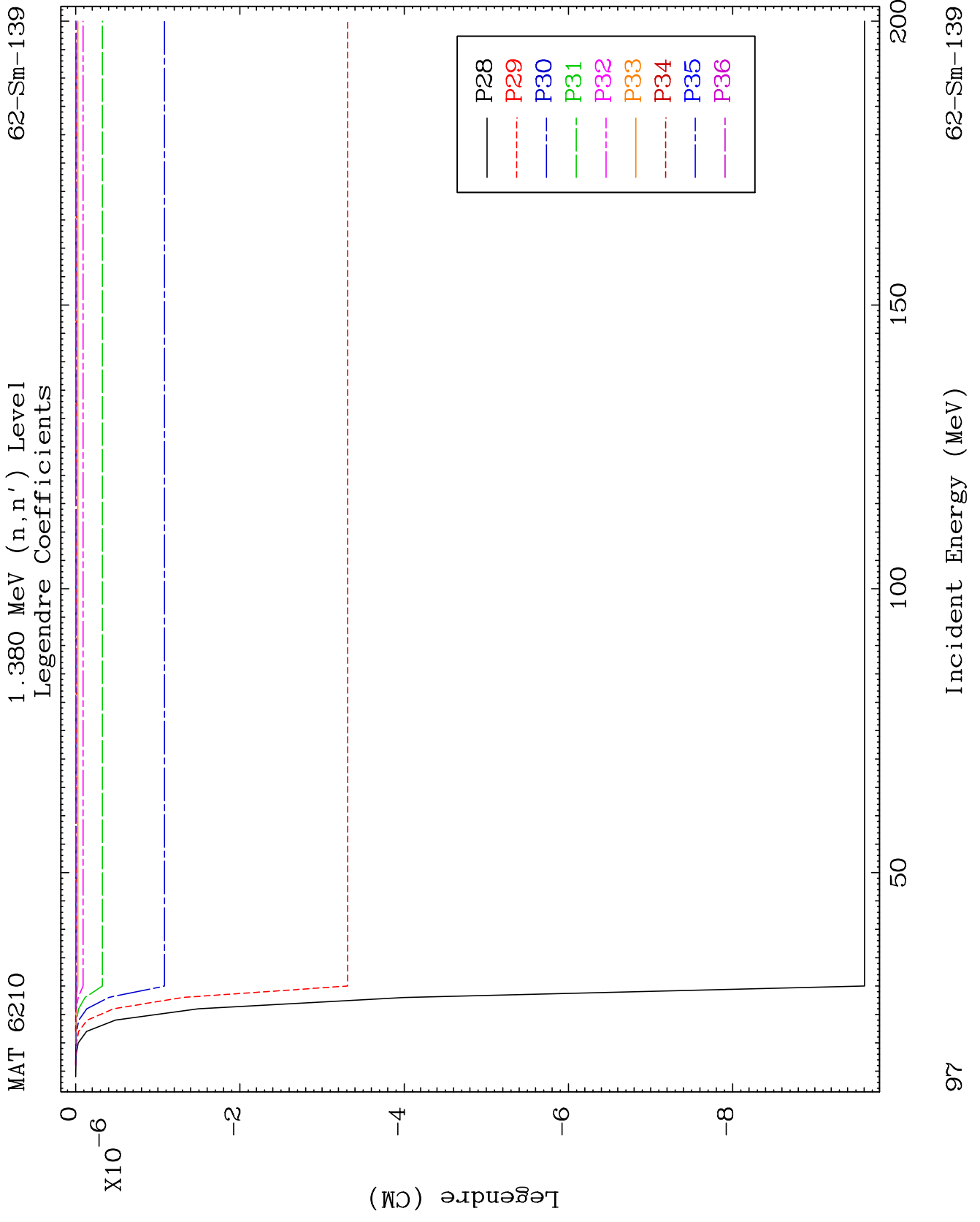
62-Sm-139

Incident Energy (MeV)

94



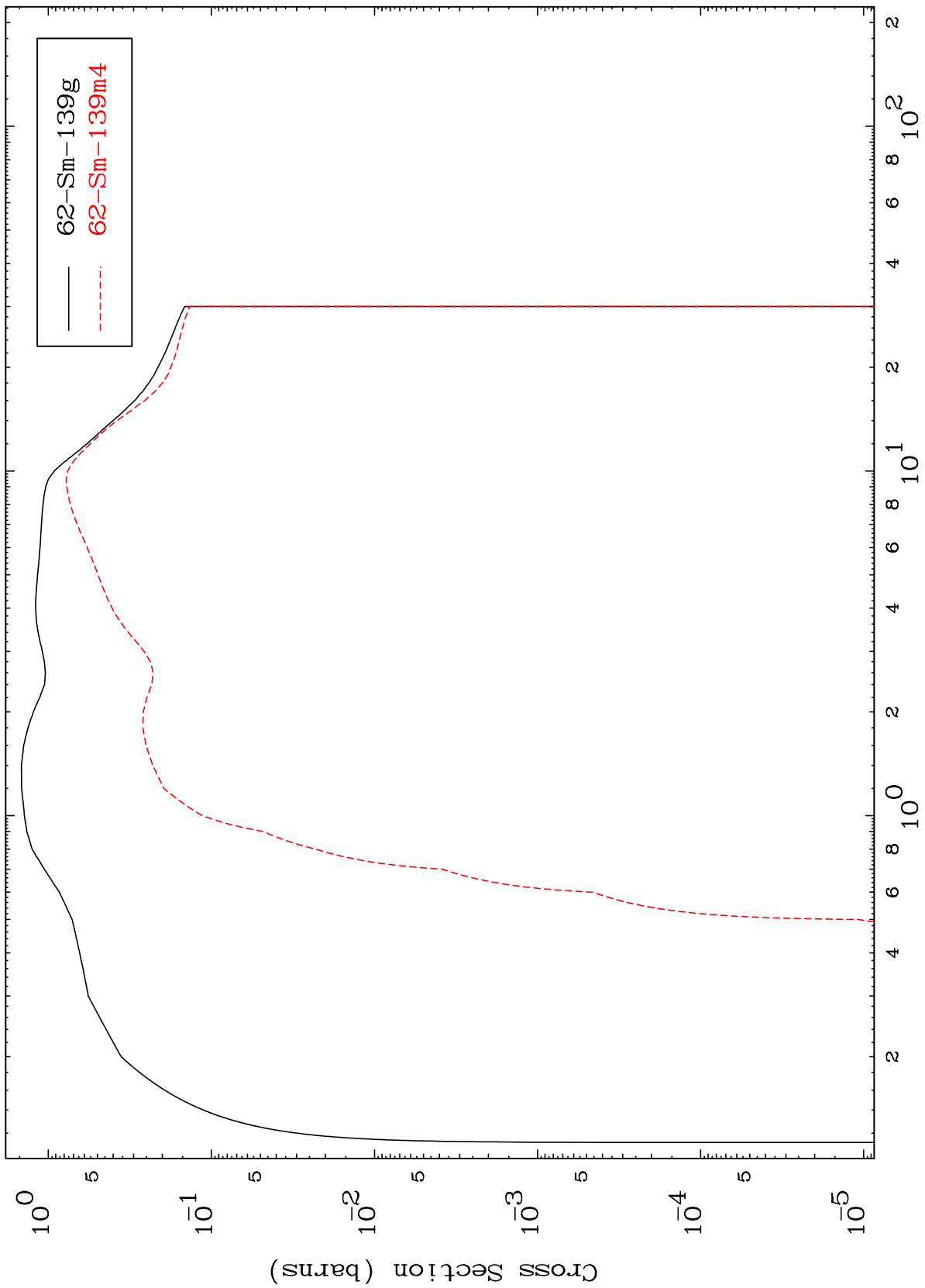




MAT 6210

62-Sm-139

Inelastic Radionuclide Production Cross Section



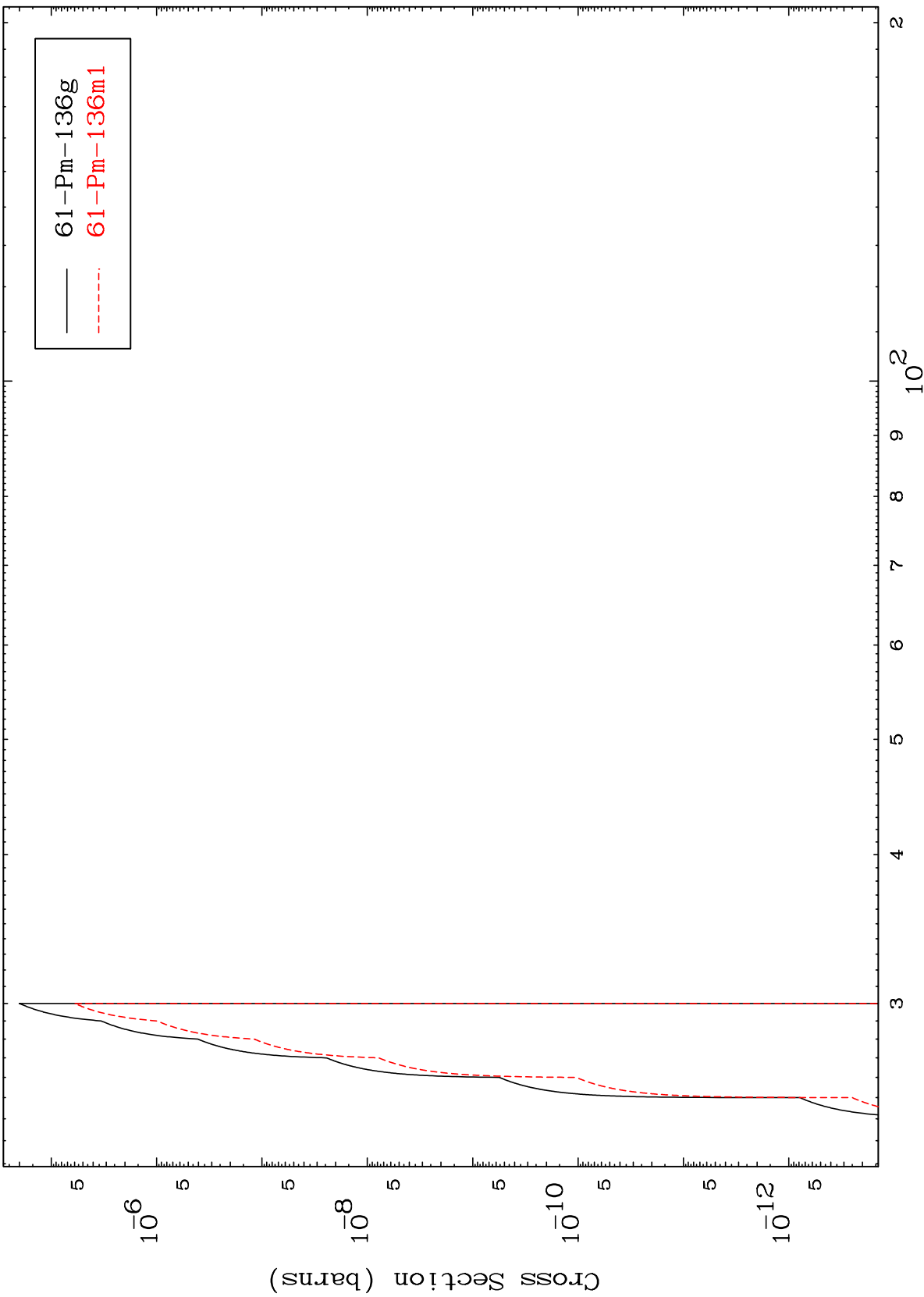
62-Sm-139g
62-Sm-139m4

MAT 6210

(n,2n) d

62-Sm-139

Radionuclide Production Cross Section

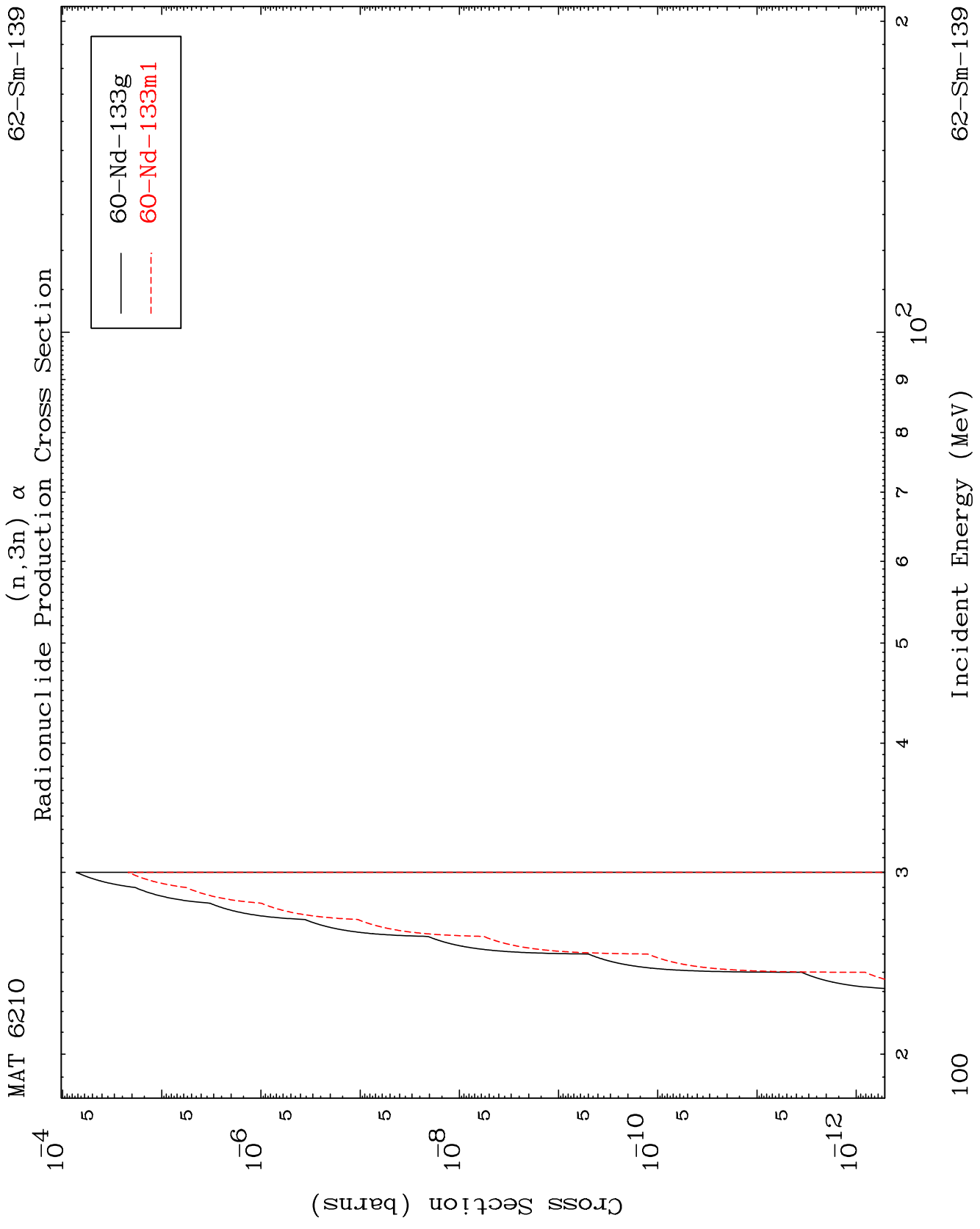


61-Pm-136g
61-Pm-136m1

99

Incident Energy (MeV)

62-Sm-139

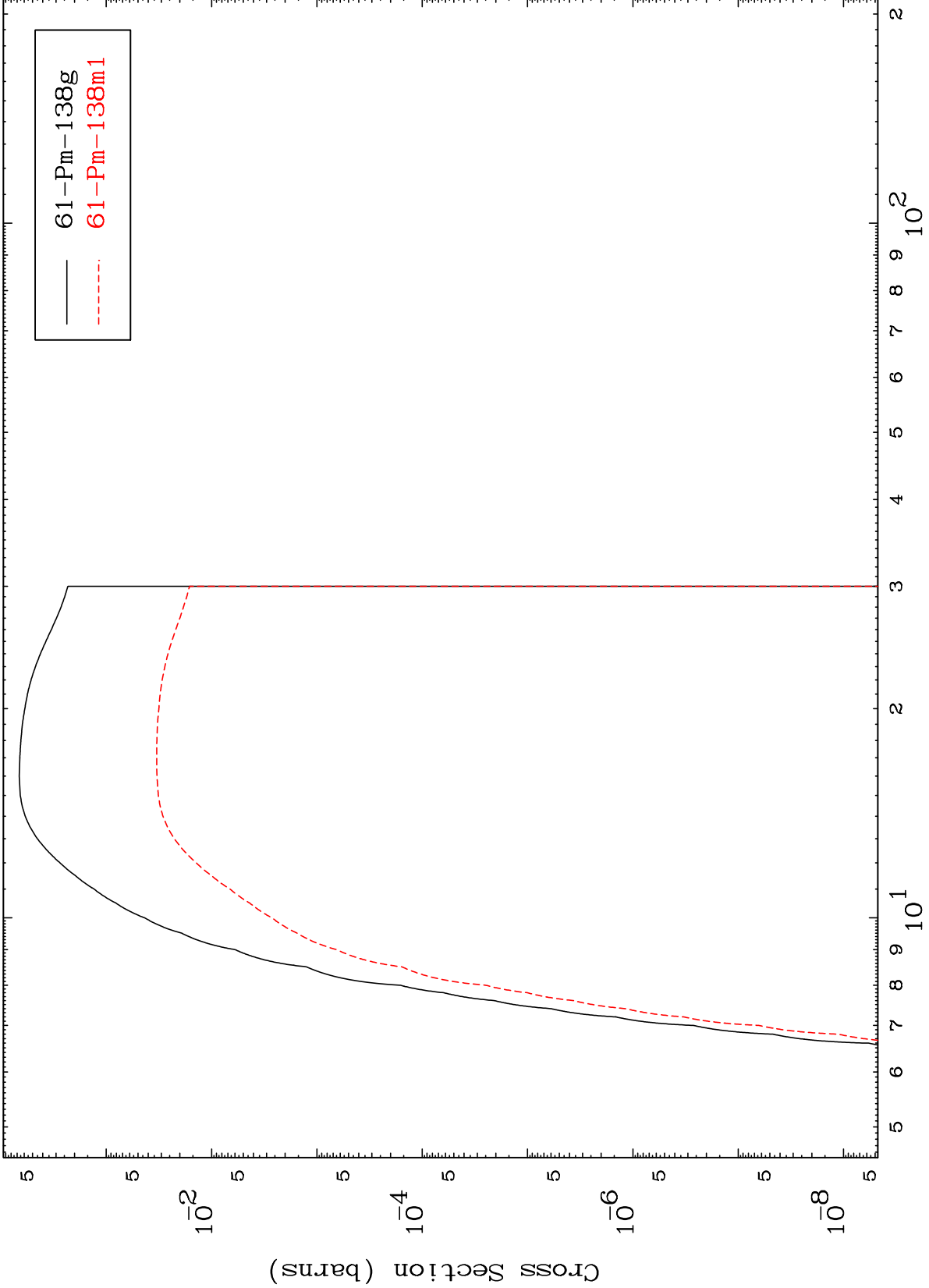


MAT 6210

(n,n') p

62-Sm-139

Radionuclide Production Cross Section



101

Incident Energy (MeV)

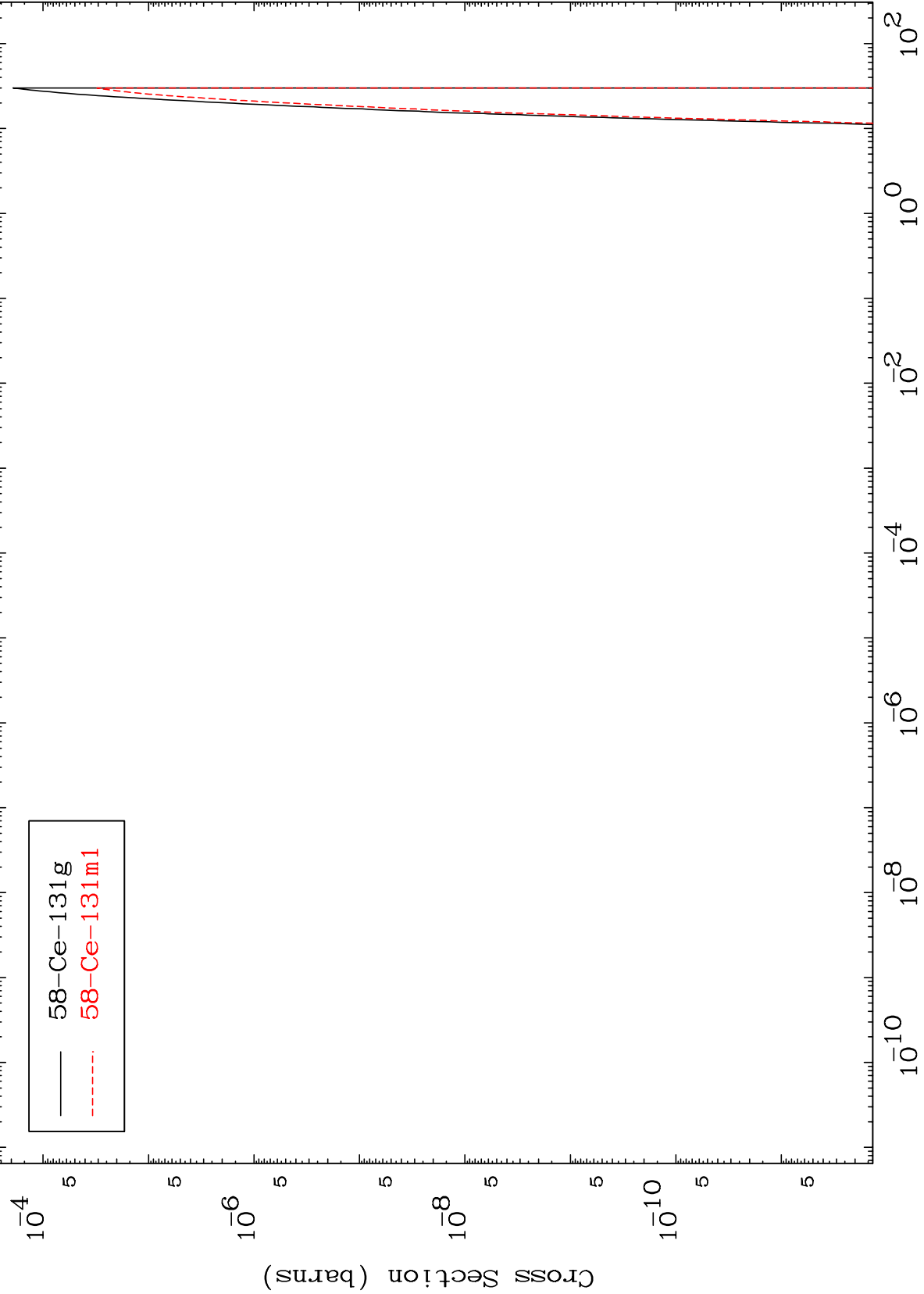
62-Sm-139

MAT 6210

(n,n') 2 α

62-Sm-139

Radionuclide Production Cross Section

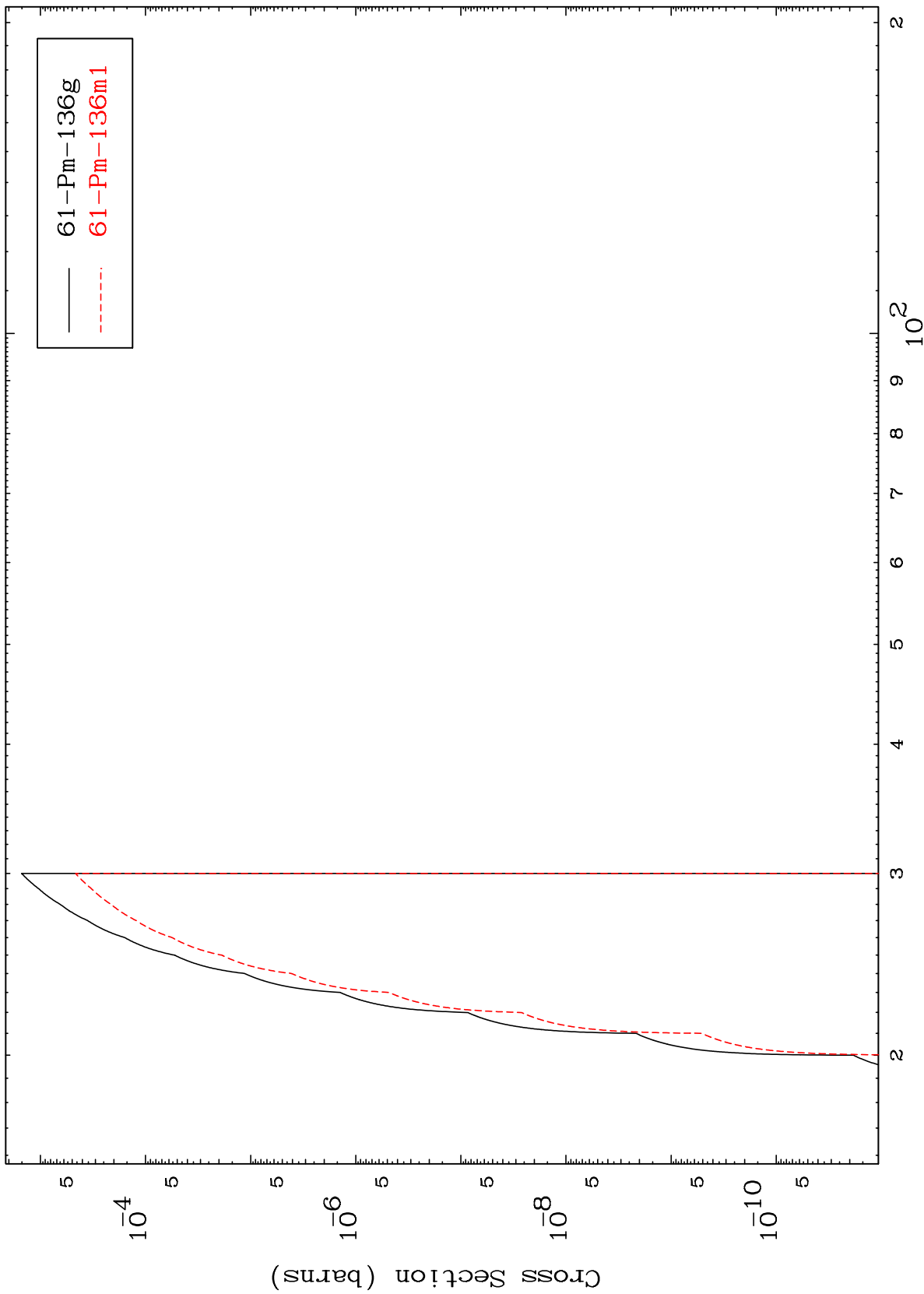


MAT 6210

(n,n') t

62-Sm-139

Radionuclide Production Cross Section



103

Incident Energy (MeV)

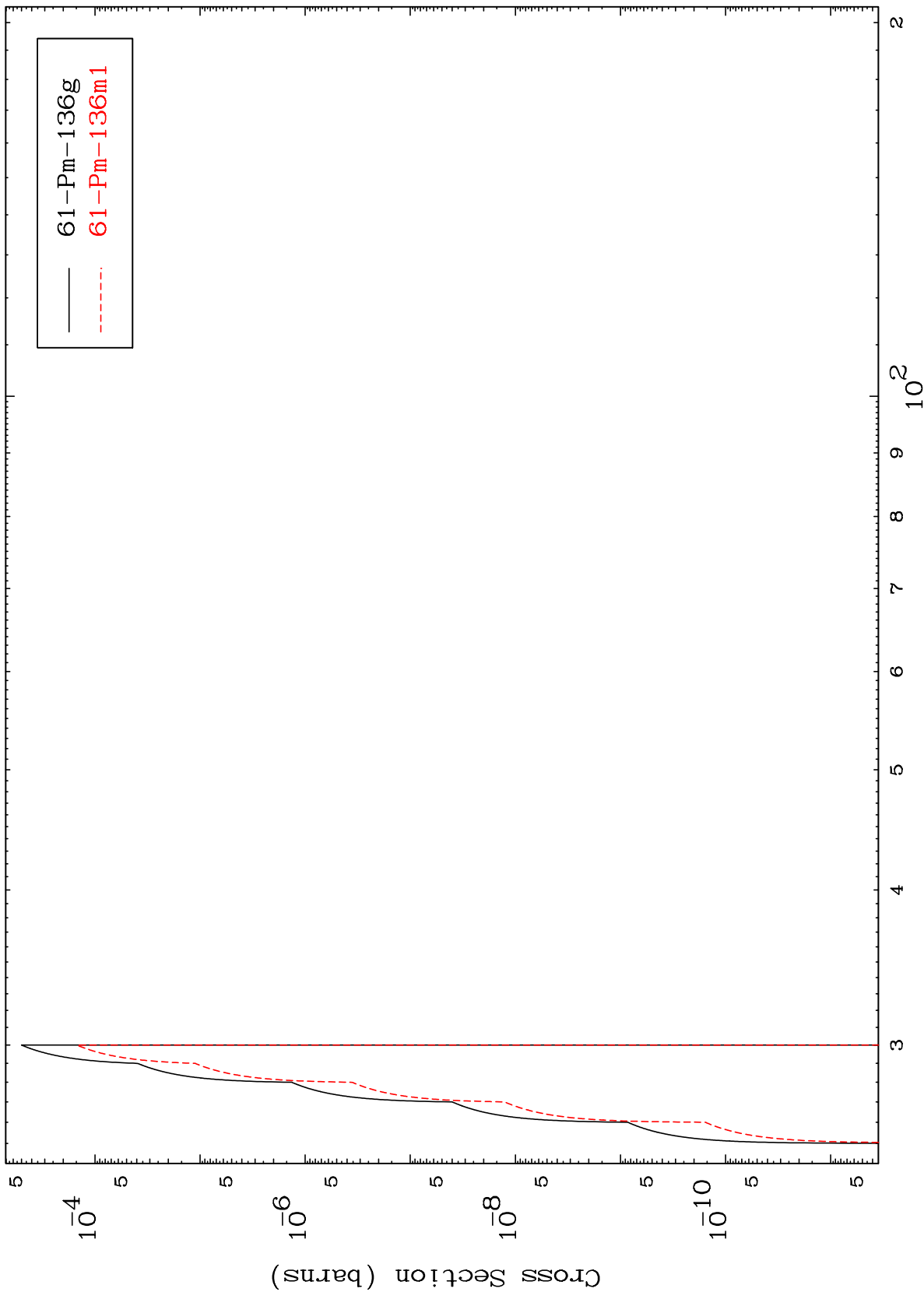
62-Sm-139

MAT 6210

(n,3n) p

62-Sm-139

Radionuclide Production Cross Section



104

Incident Energy (MeV)

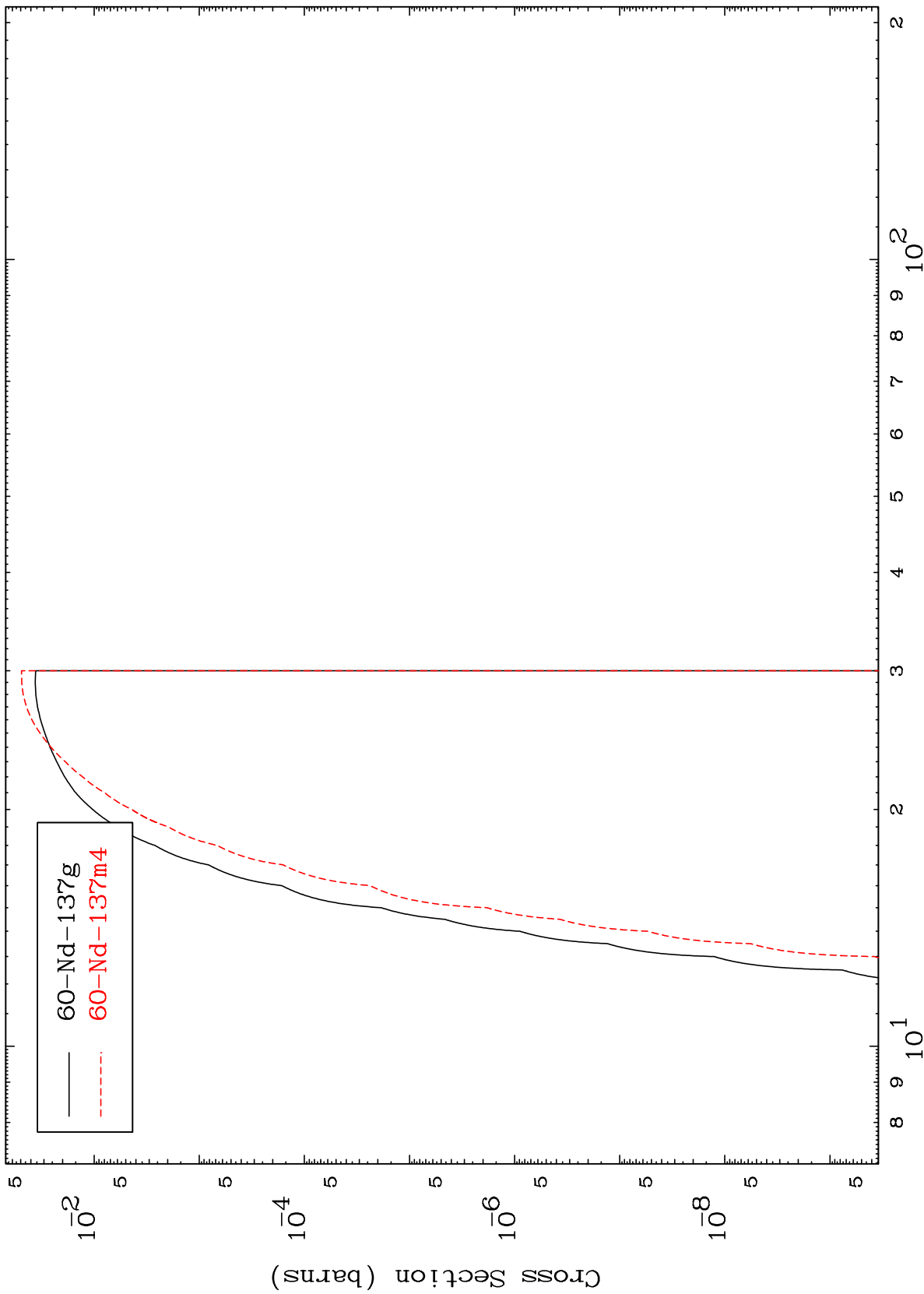
62-Sm-139

MAT 6210

(n,2n) p

62-Sm-139

Radionuclide Production Cross Section



60-Nd-137g
60-Nd-137m4

105

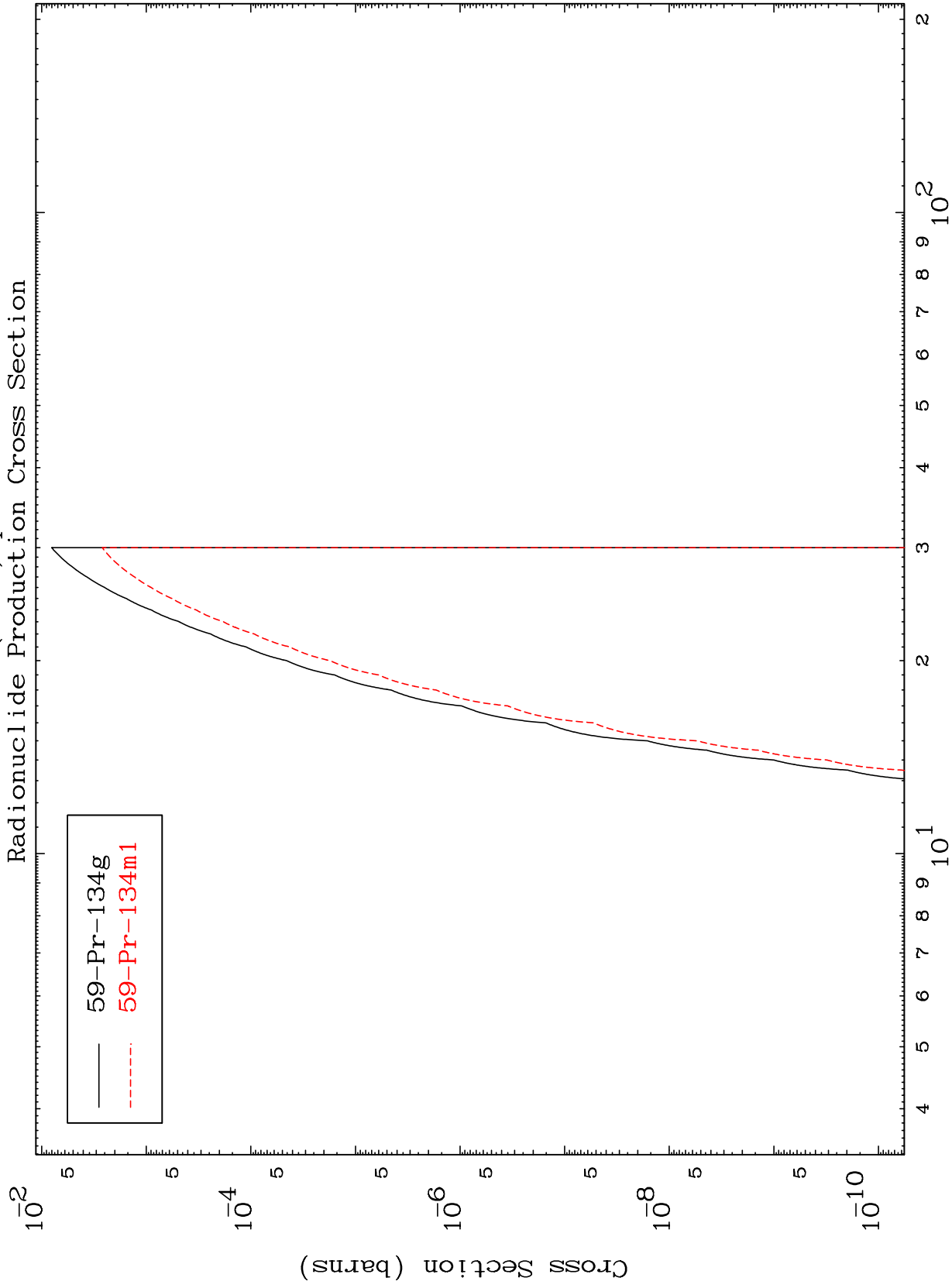
Incident Energy (MeV)

62-Sm-139

MAT 6210

(n,n') p α

62-Sm-139



106

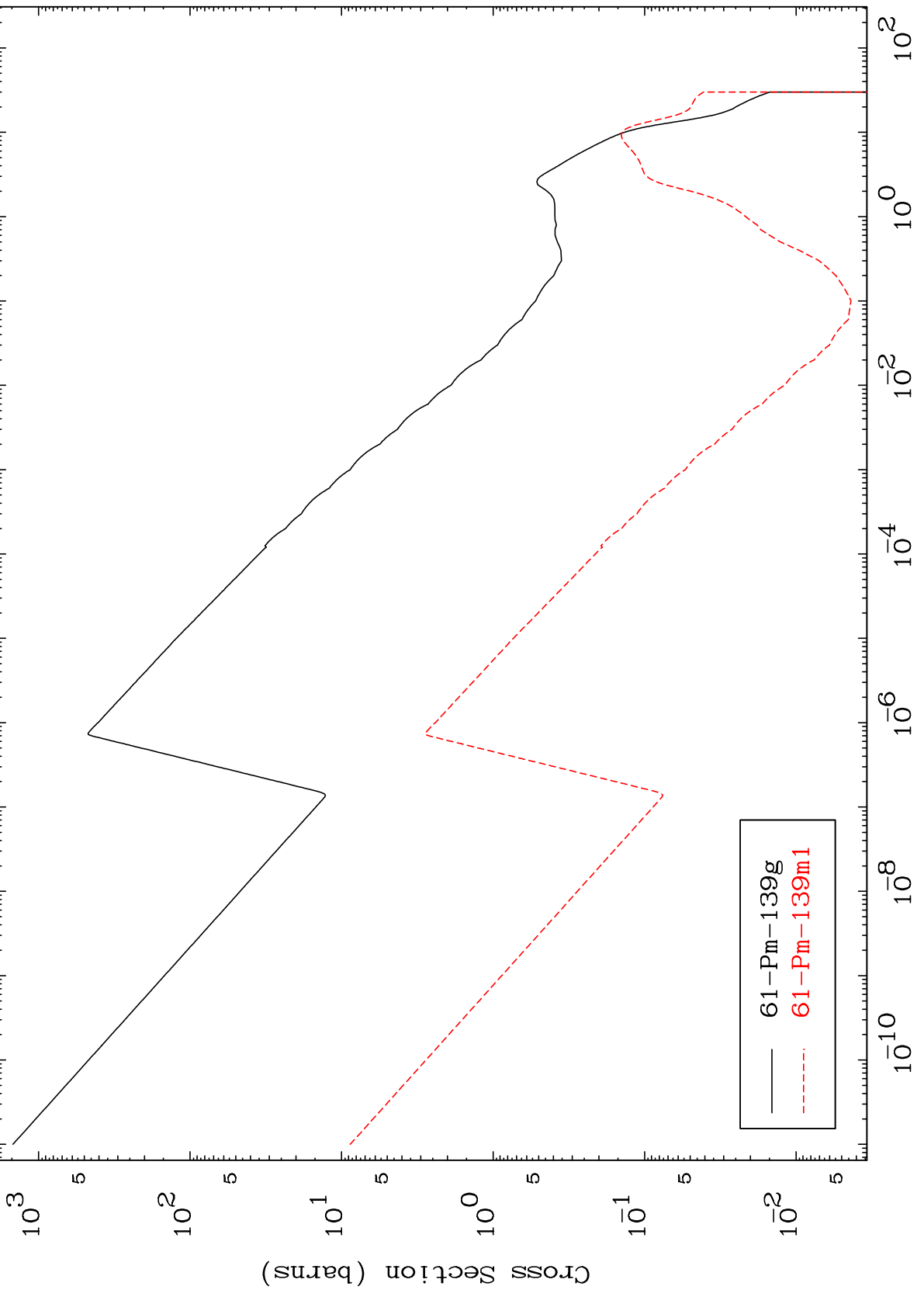
Incident Energy (MeV)

62-Sm-139

MAT 6210

62-Sm-139

(n,p)
Radionuclide Production Cross Section



107

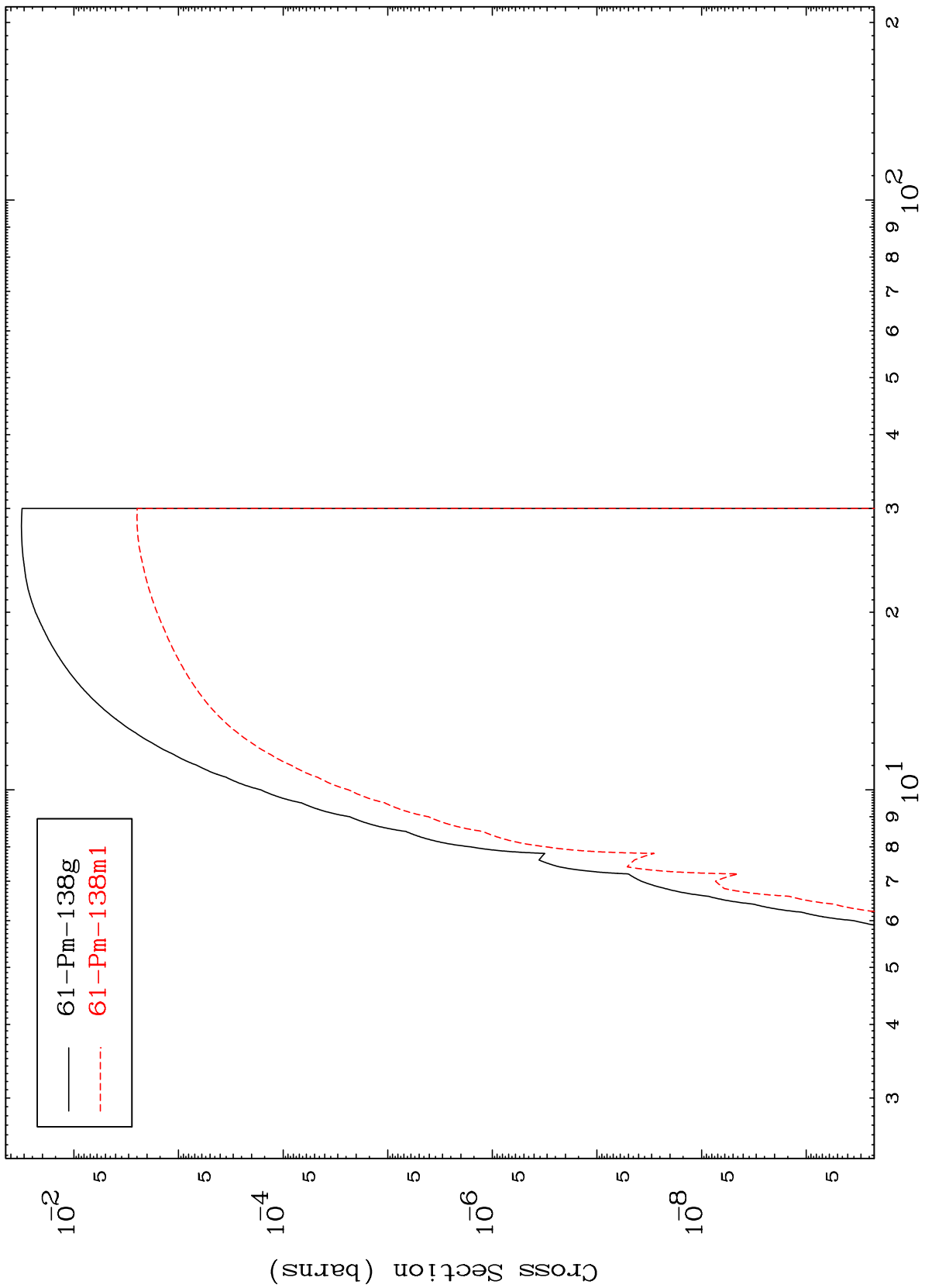
62-Sm-139

Incident Energy (MeV)

MAT 6210

62-Sm-139

(n,d)
Radionuclide Production Cross Section



108

Incident Energy (MeV)

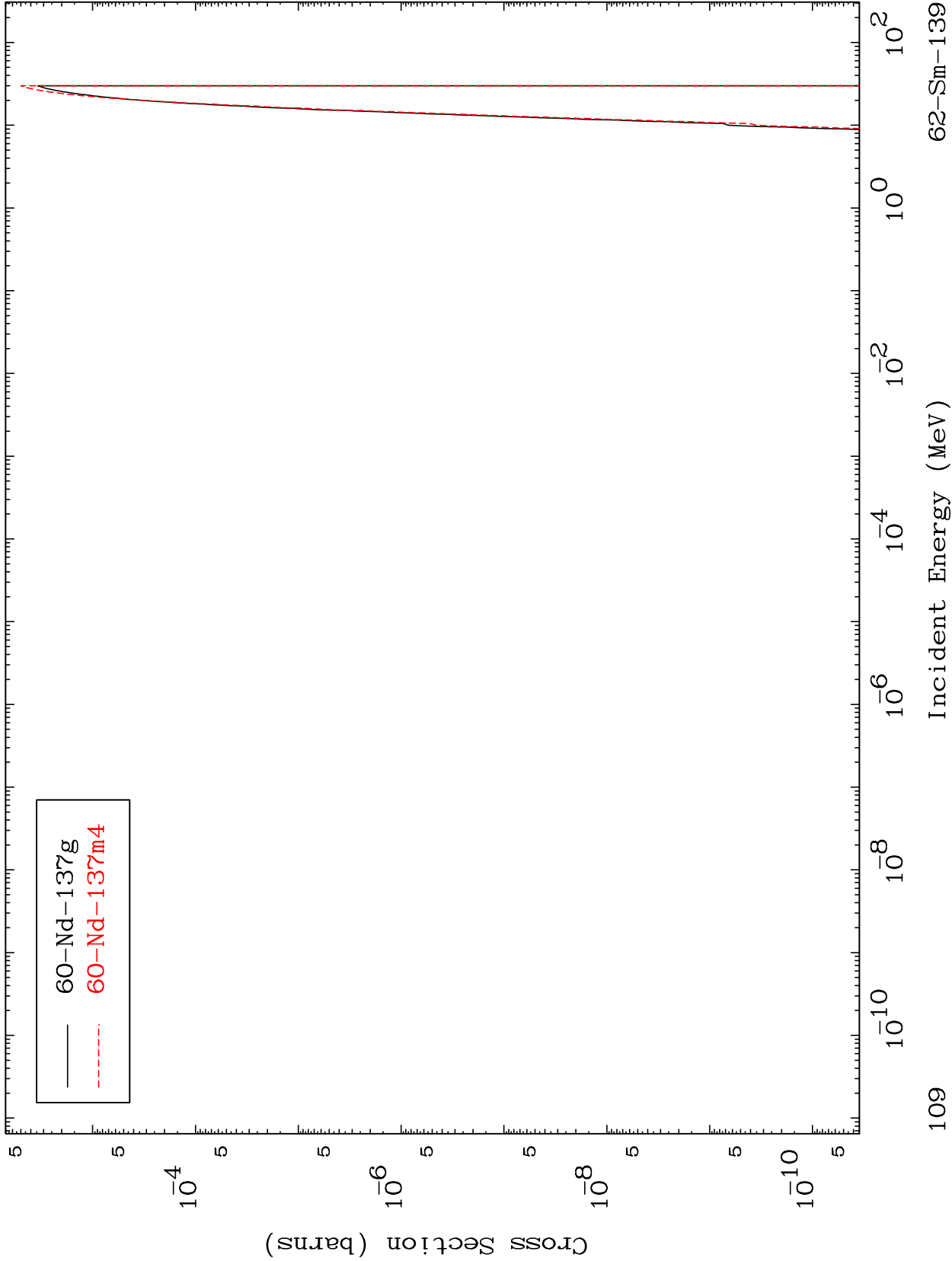
62-Sm-139

MAT 6210

(n,He-3)

62-Sm-139

Radionuclide Production Cross Section



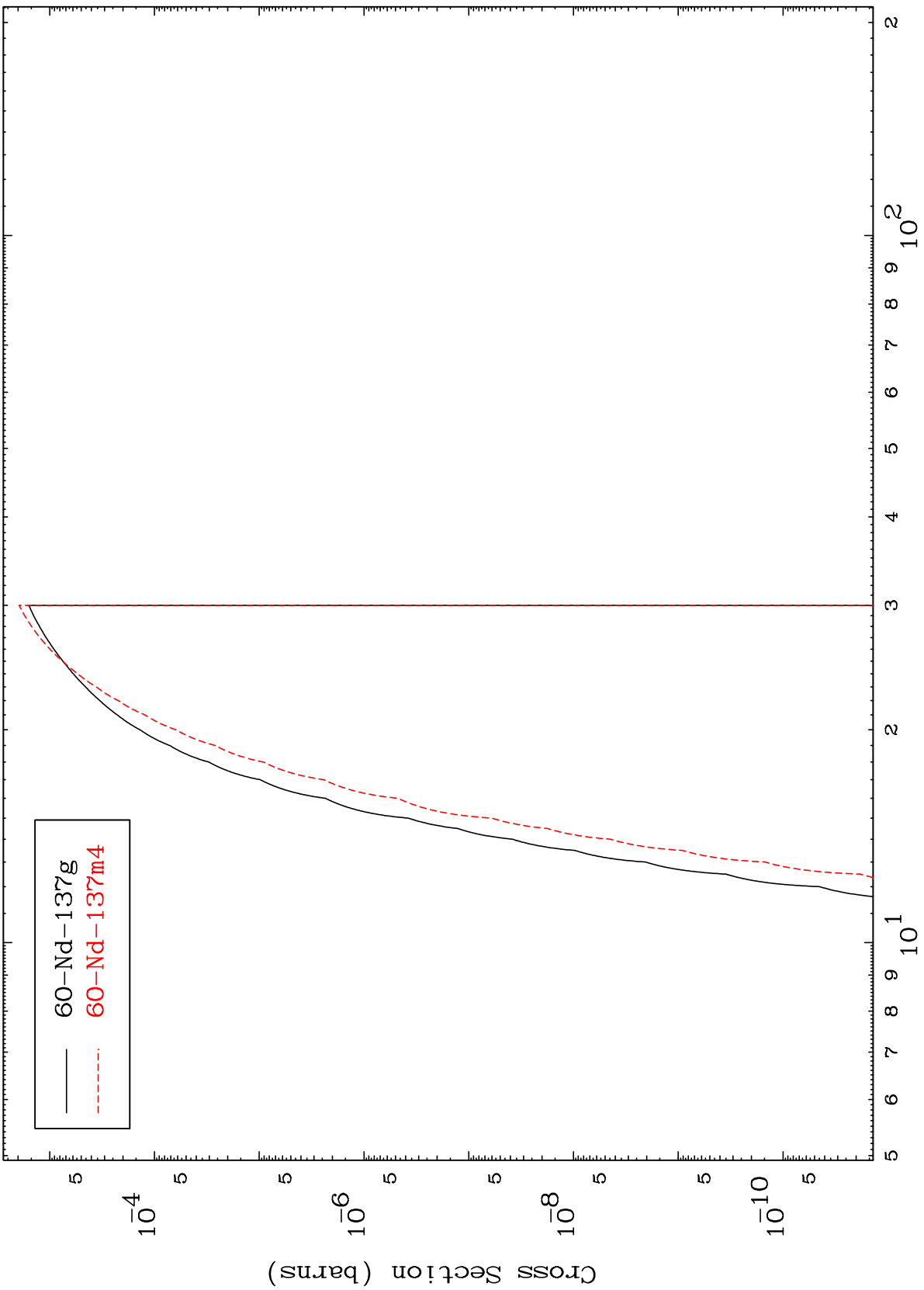
60-Nd-137g
60-Nd-137m4

MAT 6210

(n,p) d

62-Sm-139

Radionuclide Production Cross Section



110

Incident Energy (MeV)

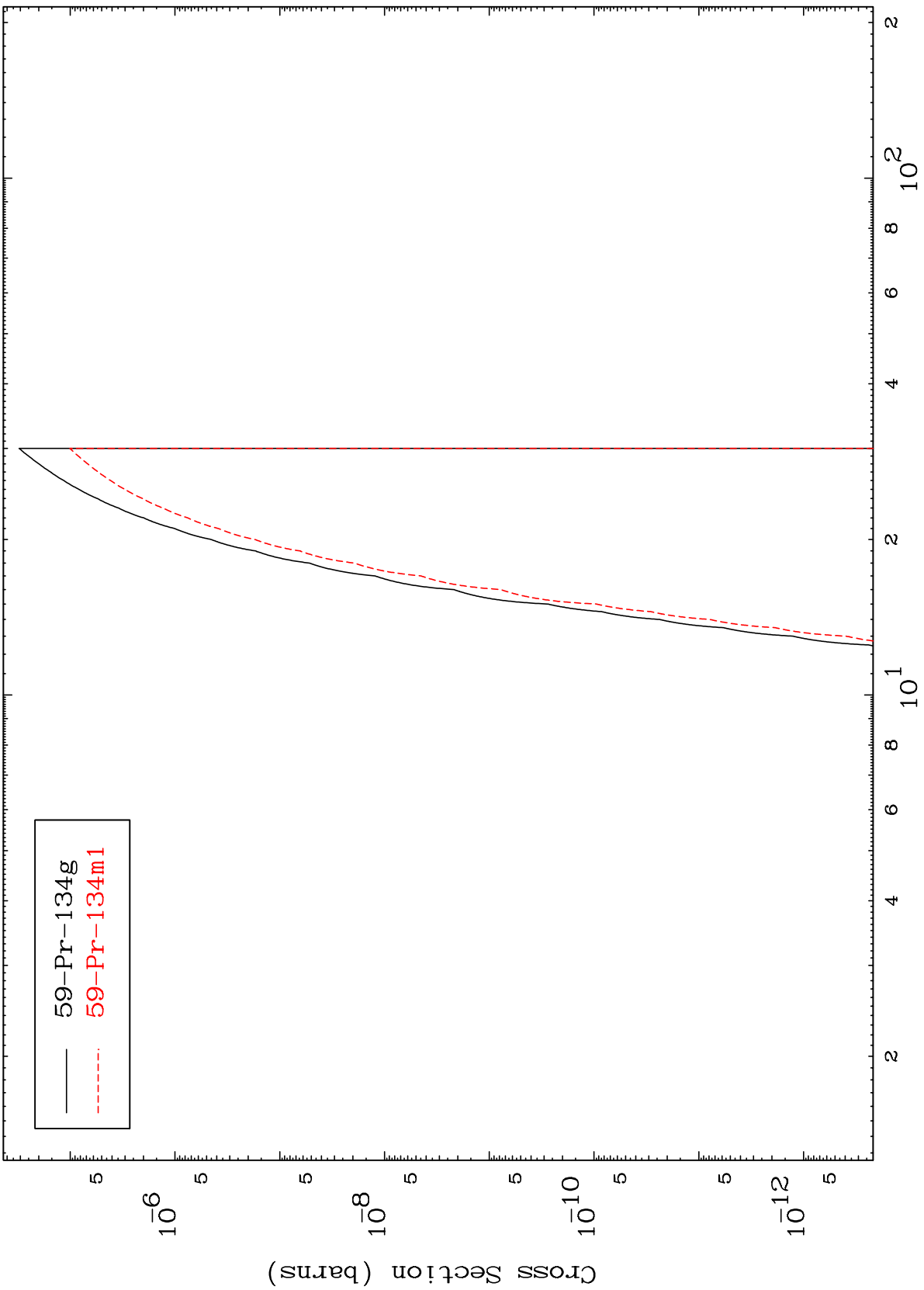
62-Sm-139

MAT 6210

(n,d) α

62-Sm-139

Radionuclide Production Cross Section



111

Incident Energy (MeV)

62-Sm-139