

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

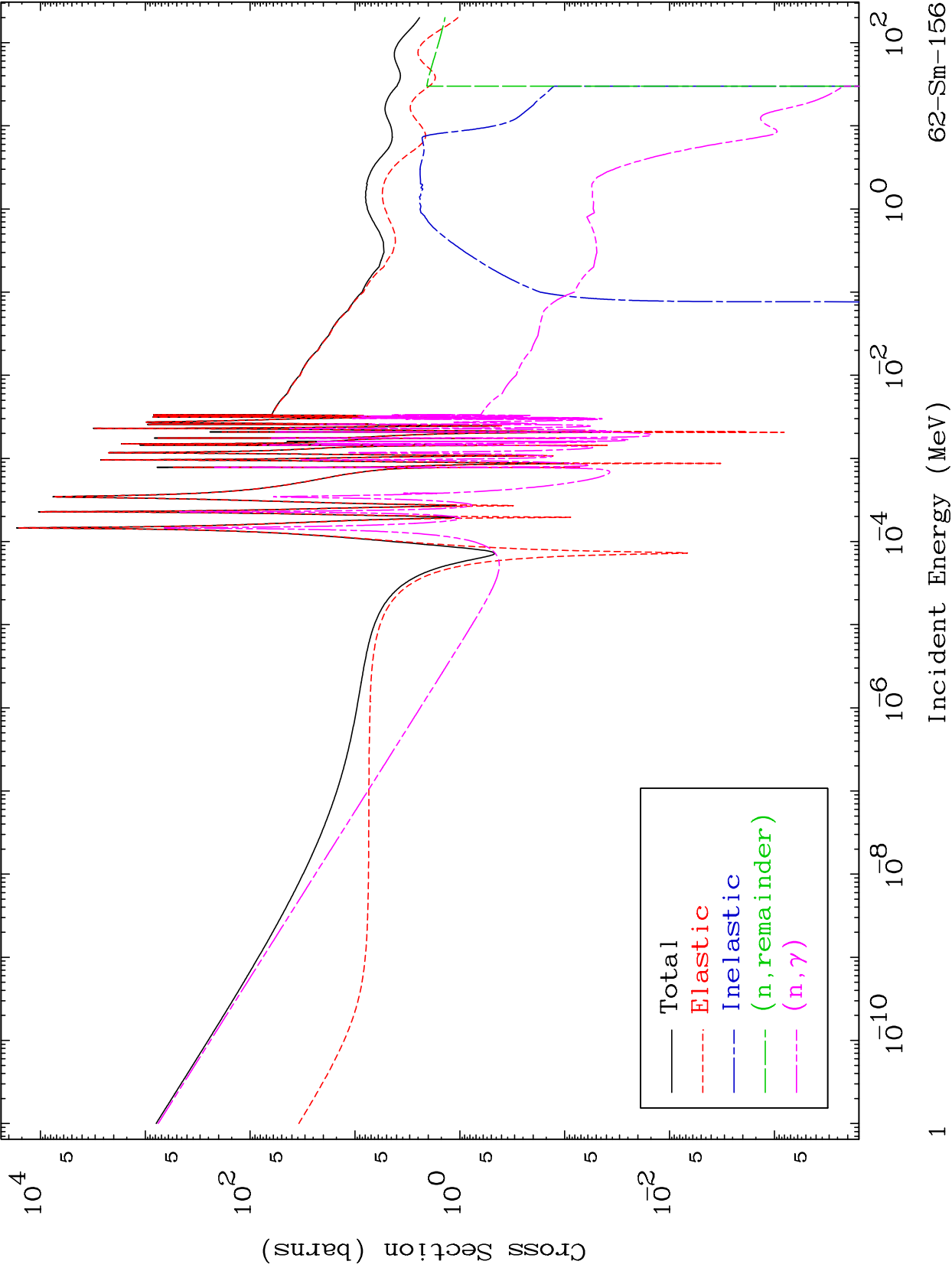
Press Mouse Button to Start

MAT 6261

Major

293 Kelvin Cross Sections

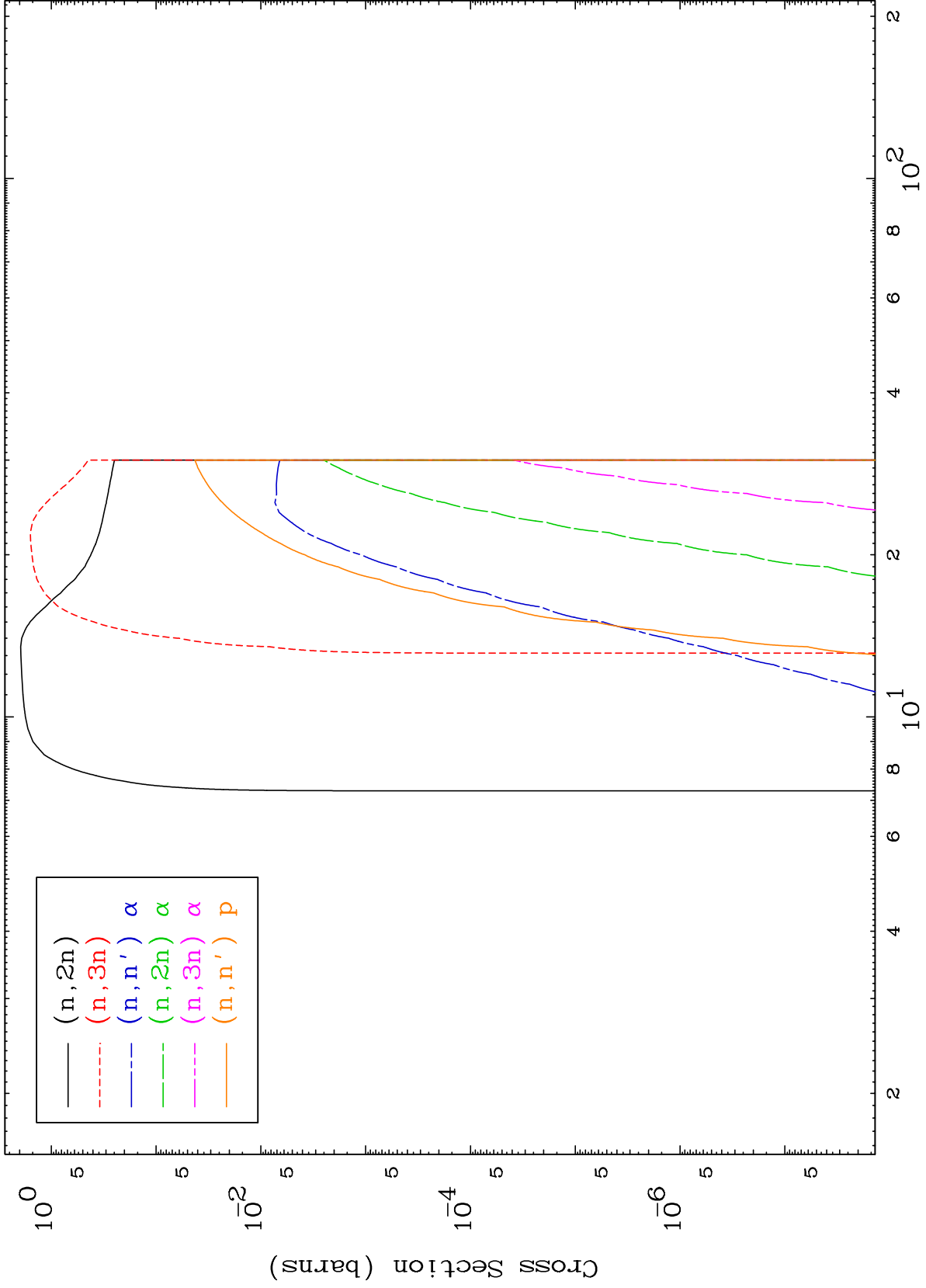
62-Sm-156



MAT 6261

Neutron Production
293 Kelvin Cross Sections

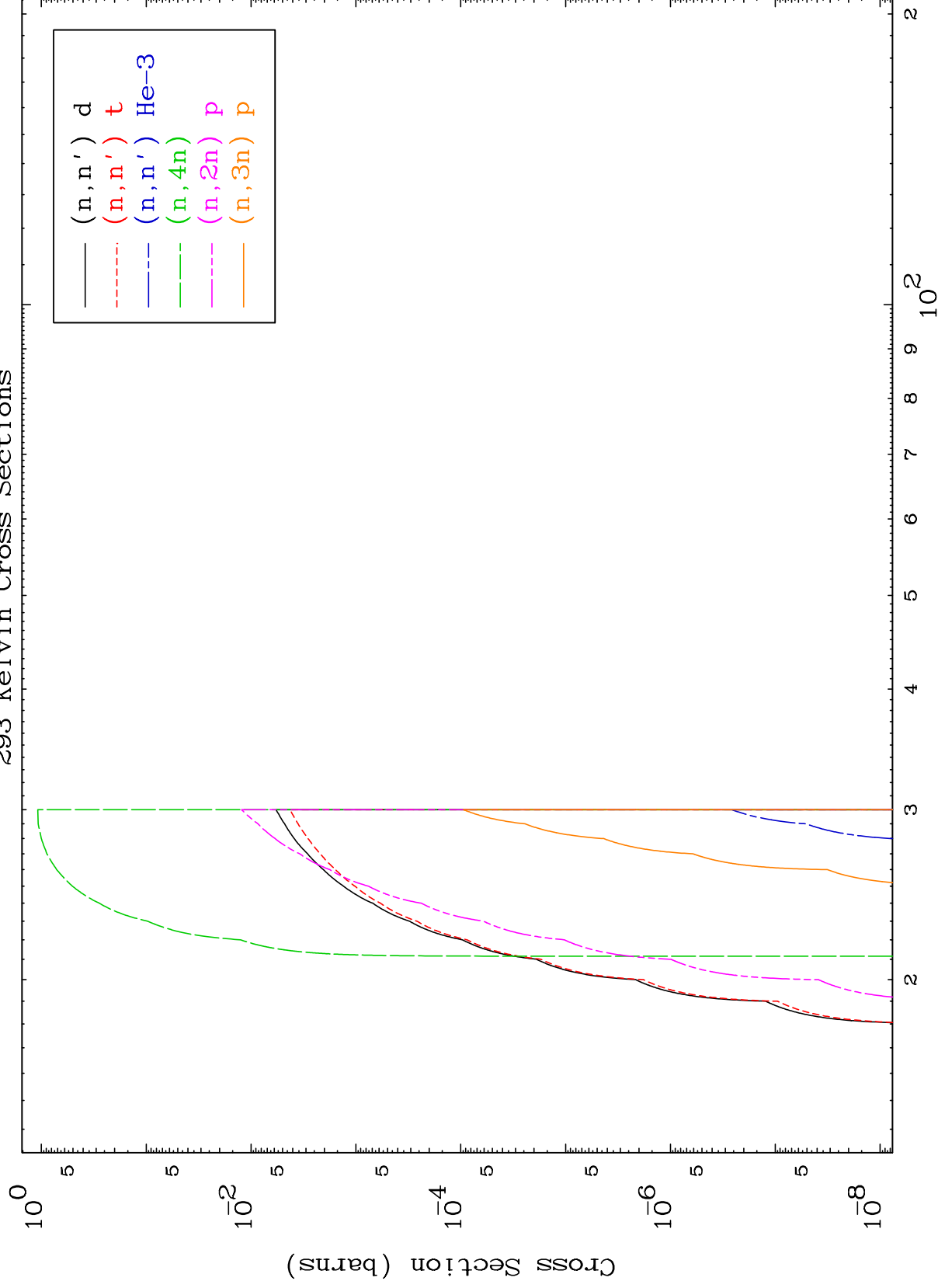
62-Sm-156



2

Incident Energy (MeV)

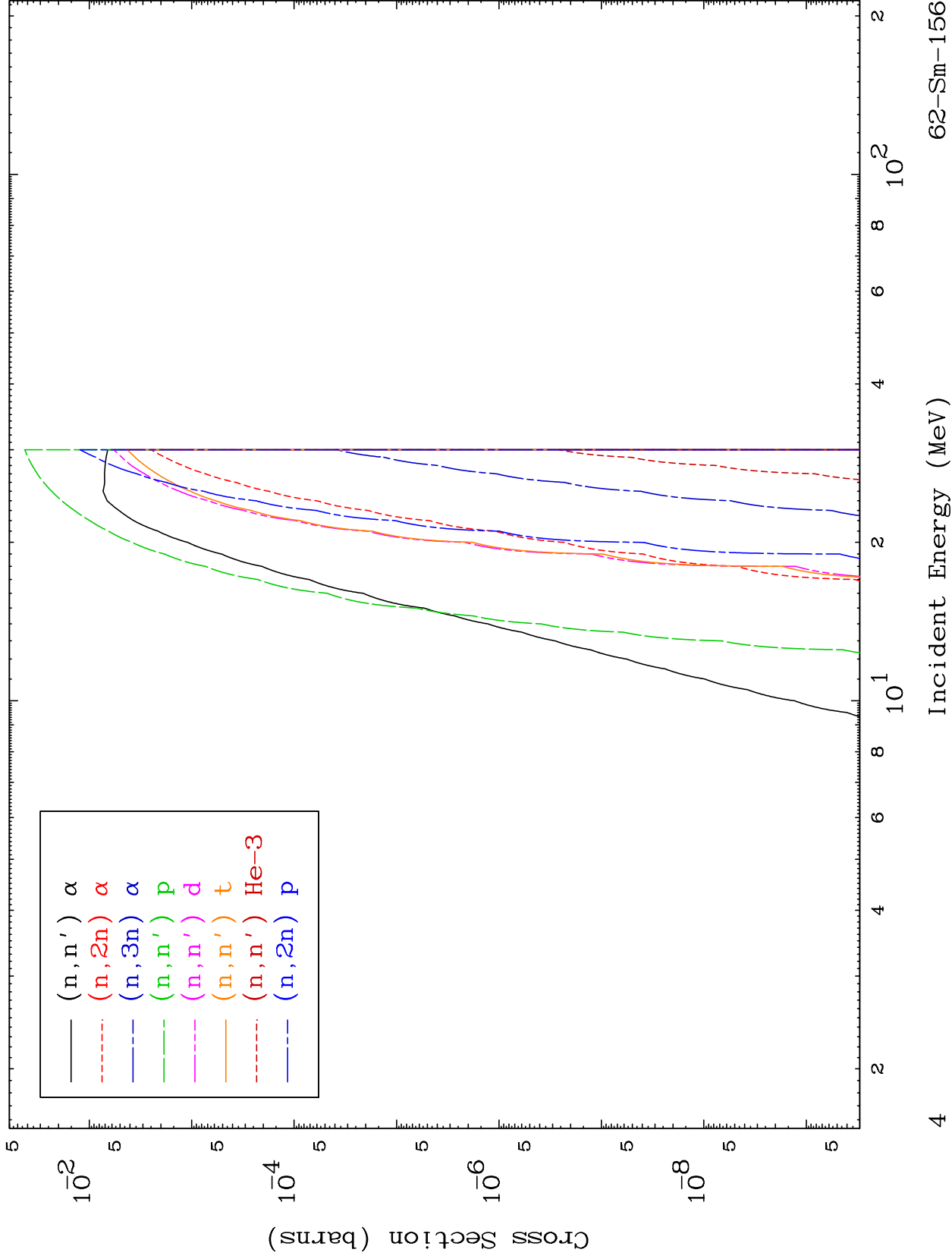
62-Sm-156



MAT 6261

Charged Particle
293 Kelvin Cross Sections

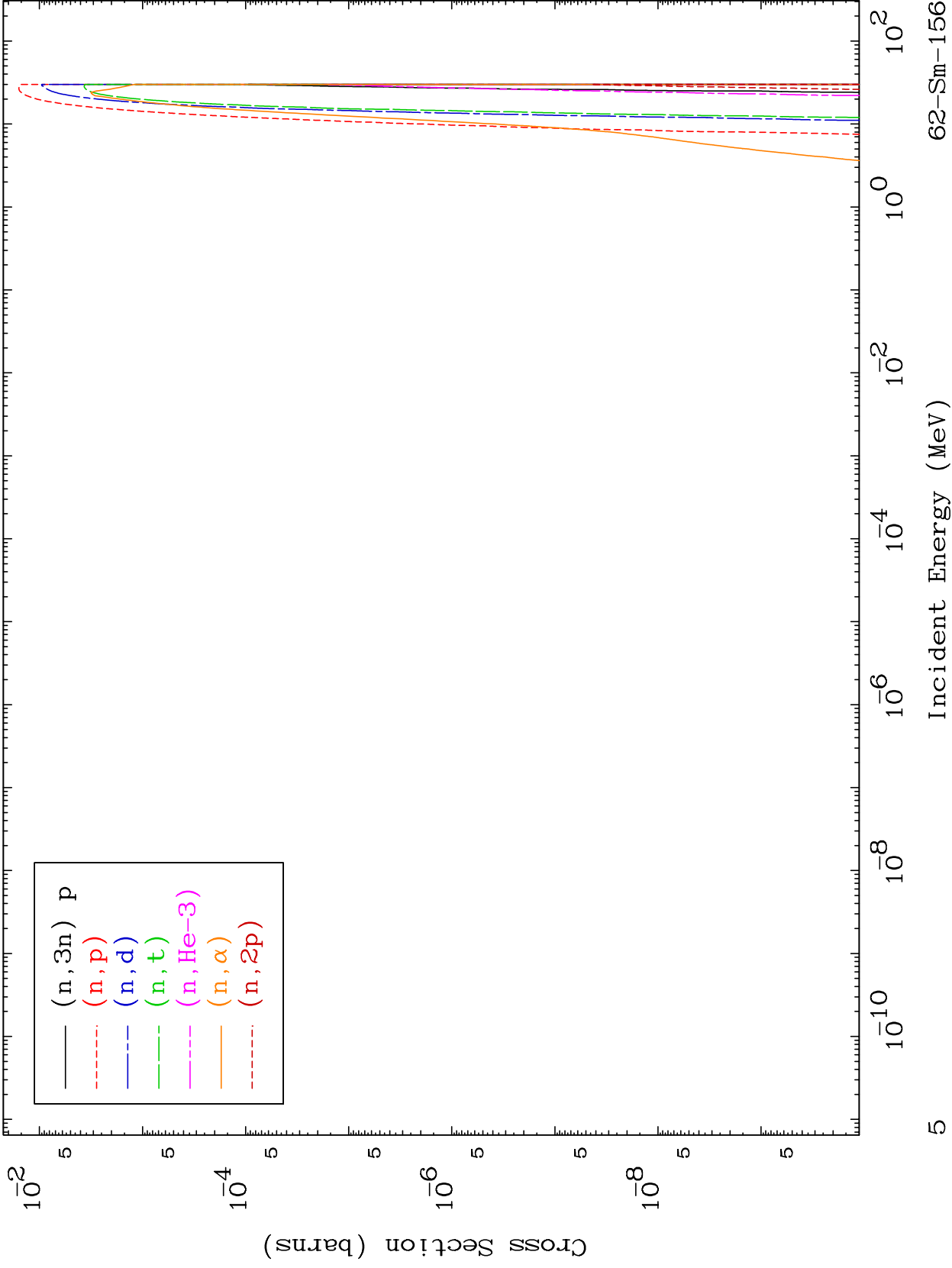
62-Sm-156



MAT 6261

Charged Particle
293 Kelvin Cross Sections

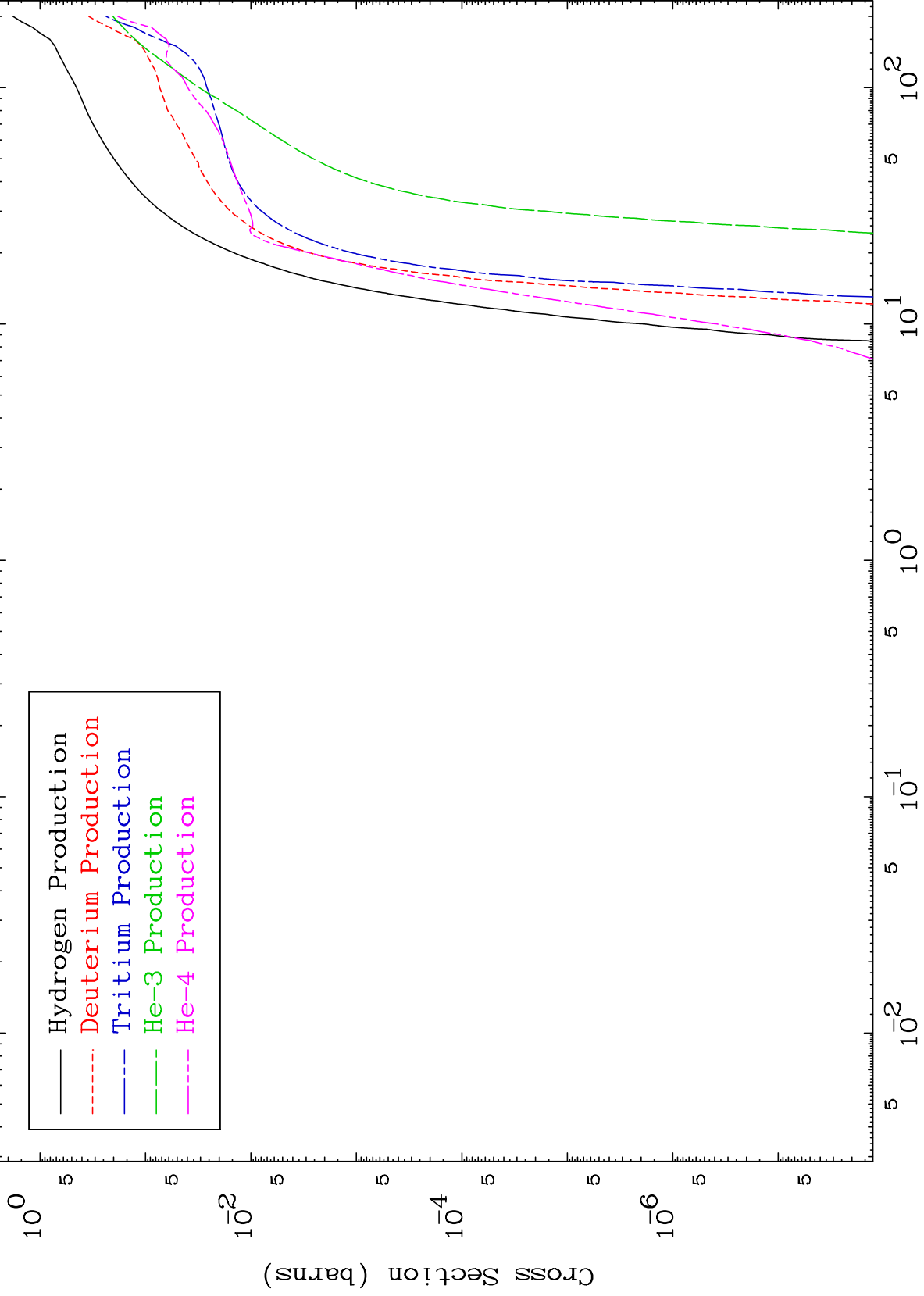
62-Sm-156



MAT 6261

Particle Production
293 Kelvin Cross Sections

62-Sm-156

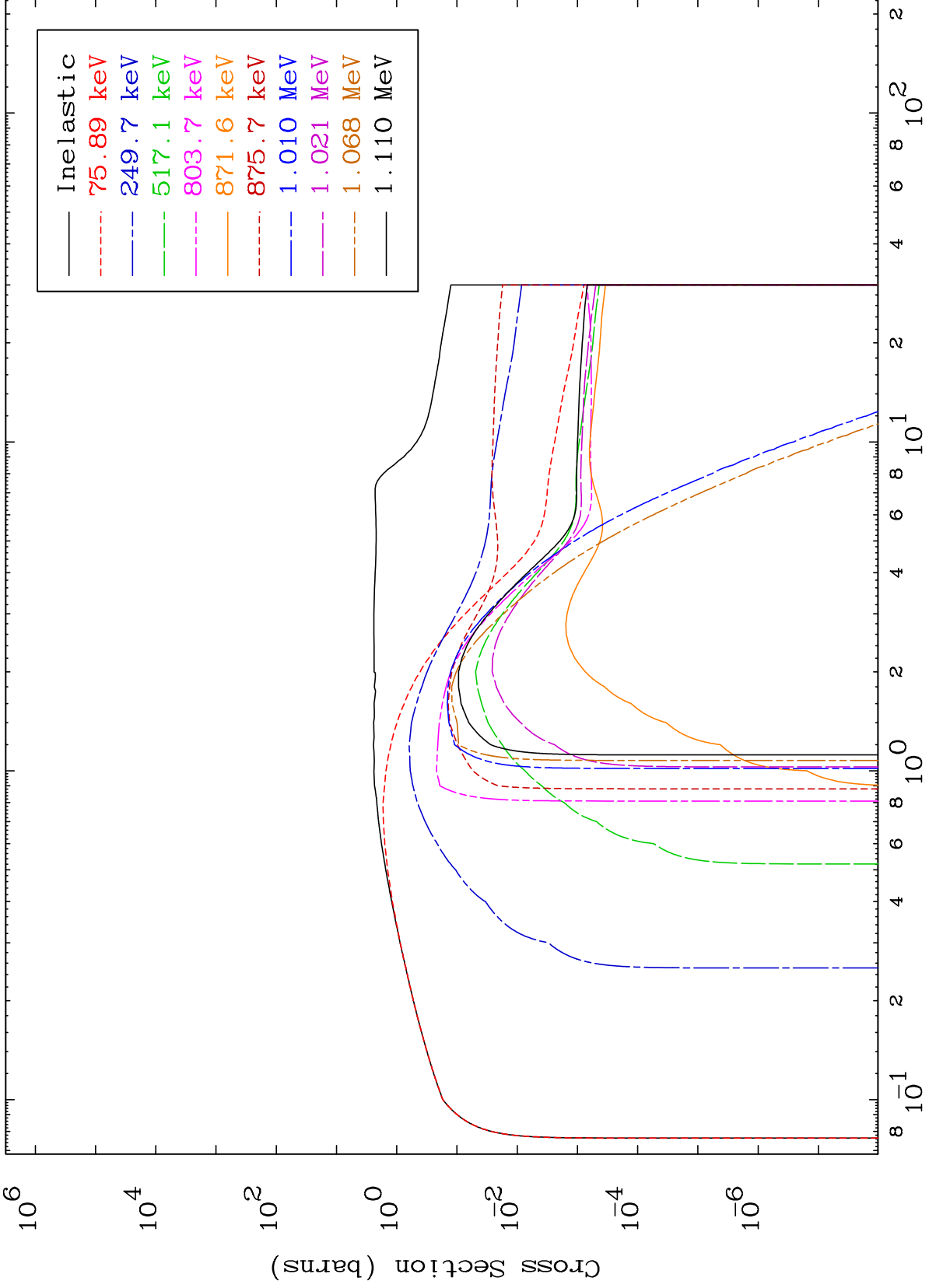


MAT 6261

(n,n') Level

62-Sm-156

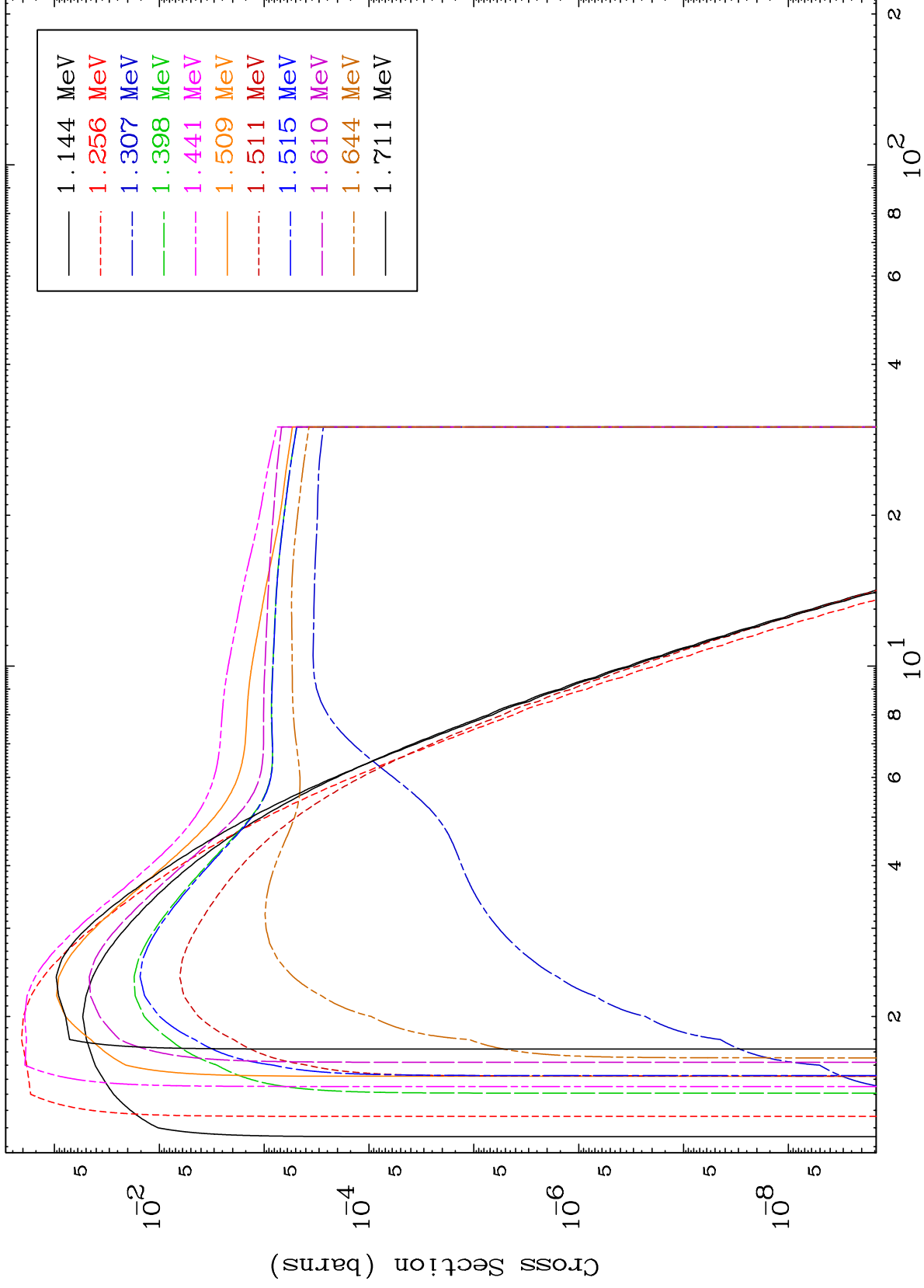
293 Kelvin Cross Sections



MAT 6261

(n,n') Level
293 Kelvin Cross Sections

62-Sm-156



8

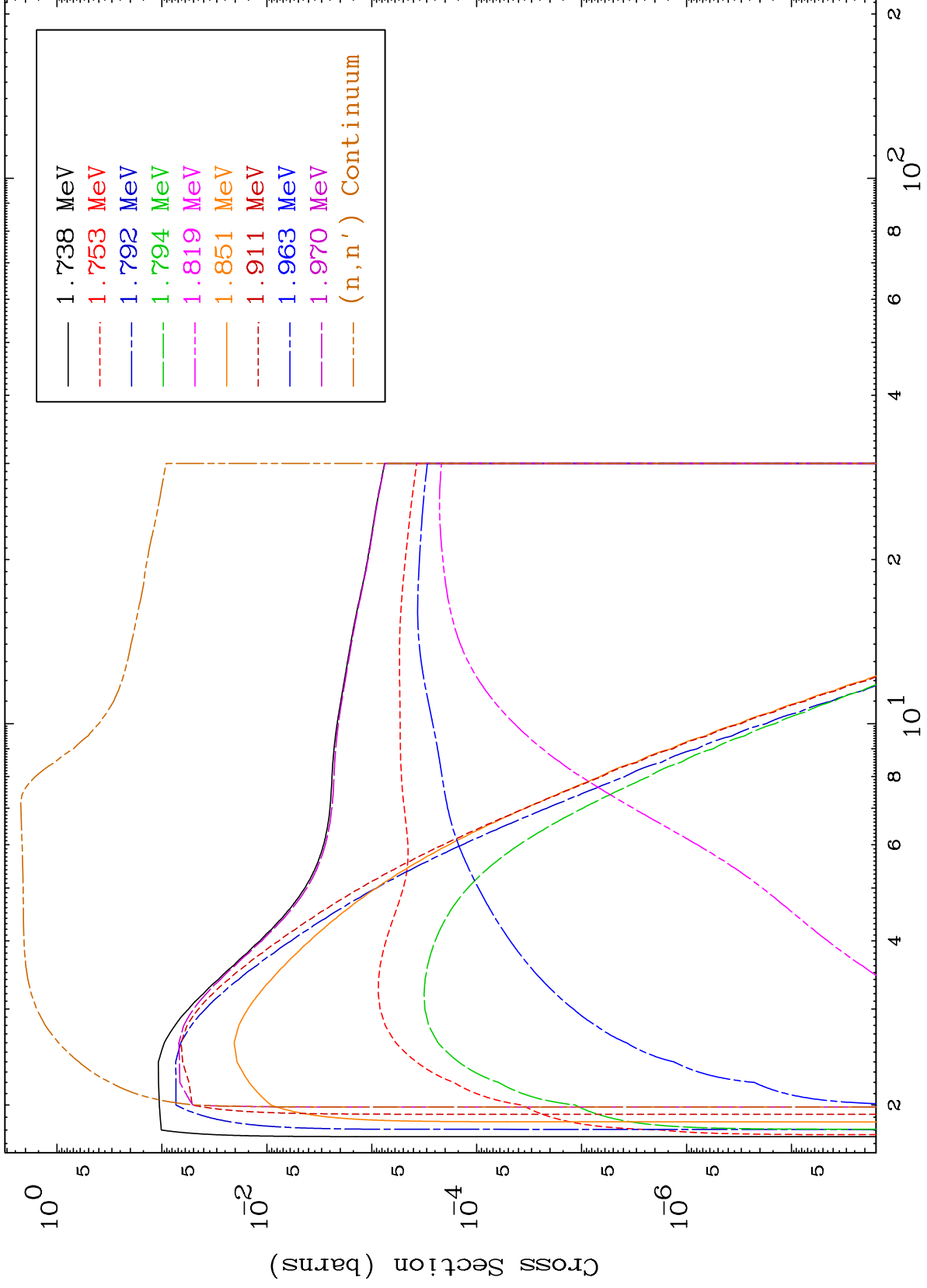
Incident Energy (MeV)

62-Sm-156

MAT 6261

(n,n') Level
293 Kelvin Cross Sections

62-Sm-156



9

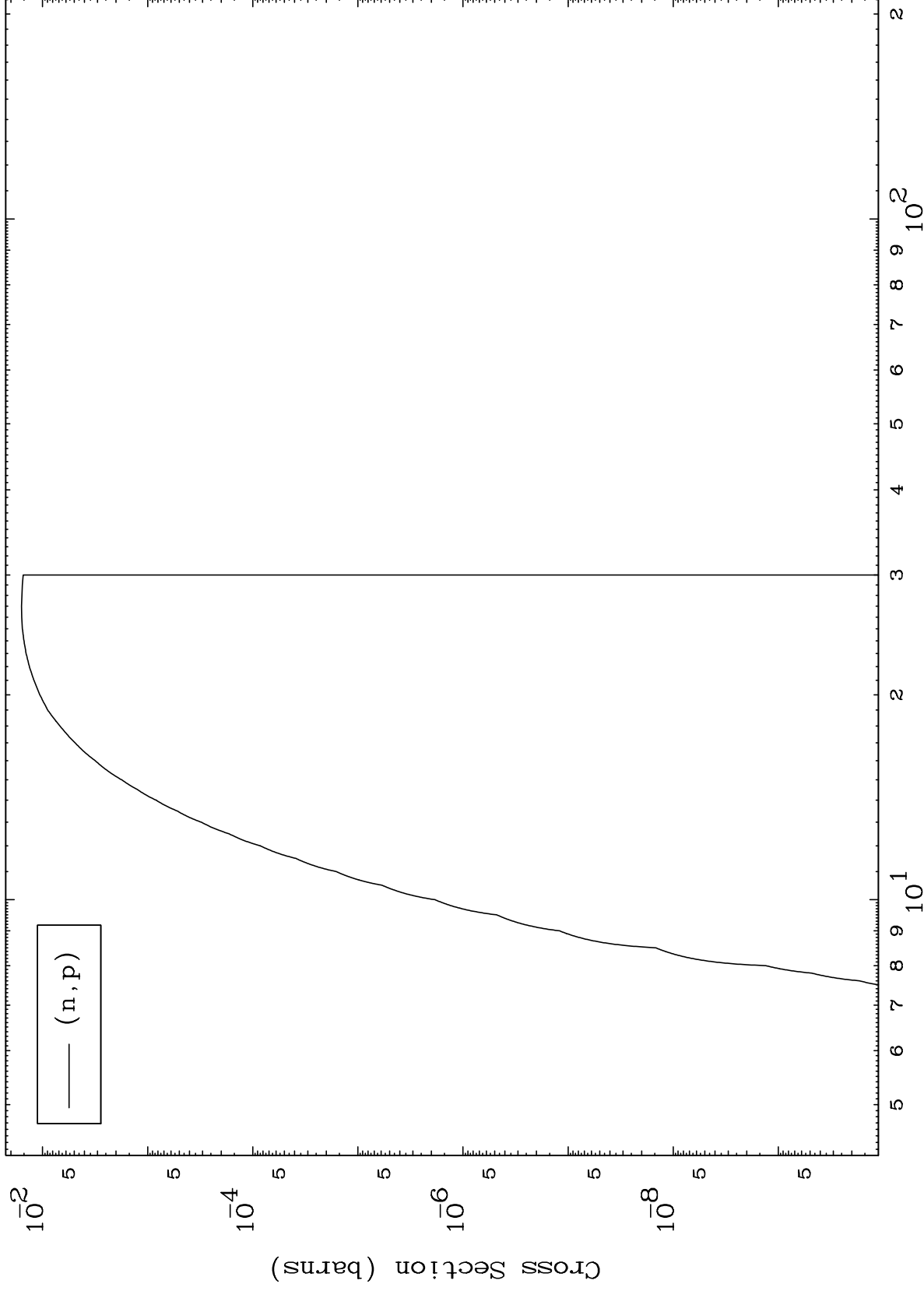
Incident Energy (MeV)

62-Sm-156

MAT 6261

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-156



10

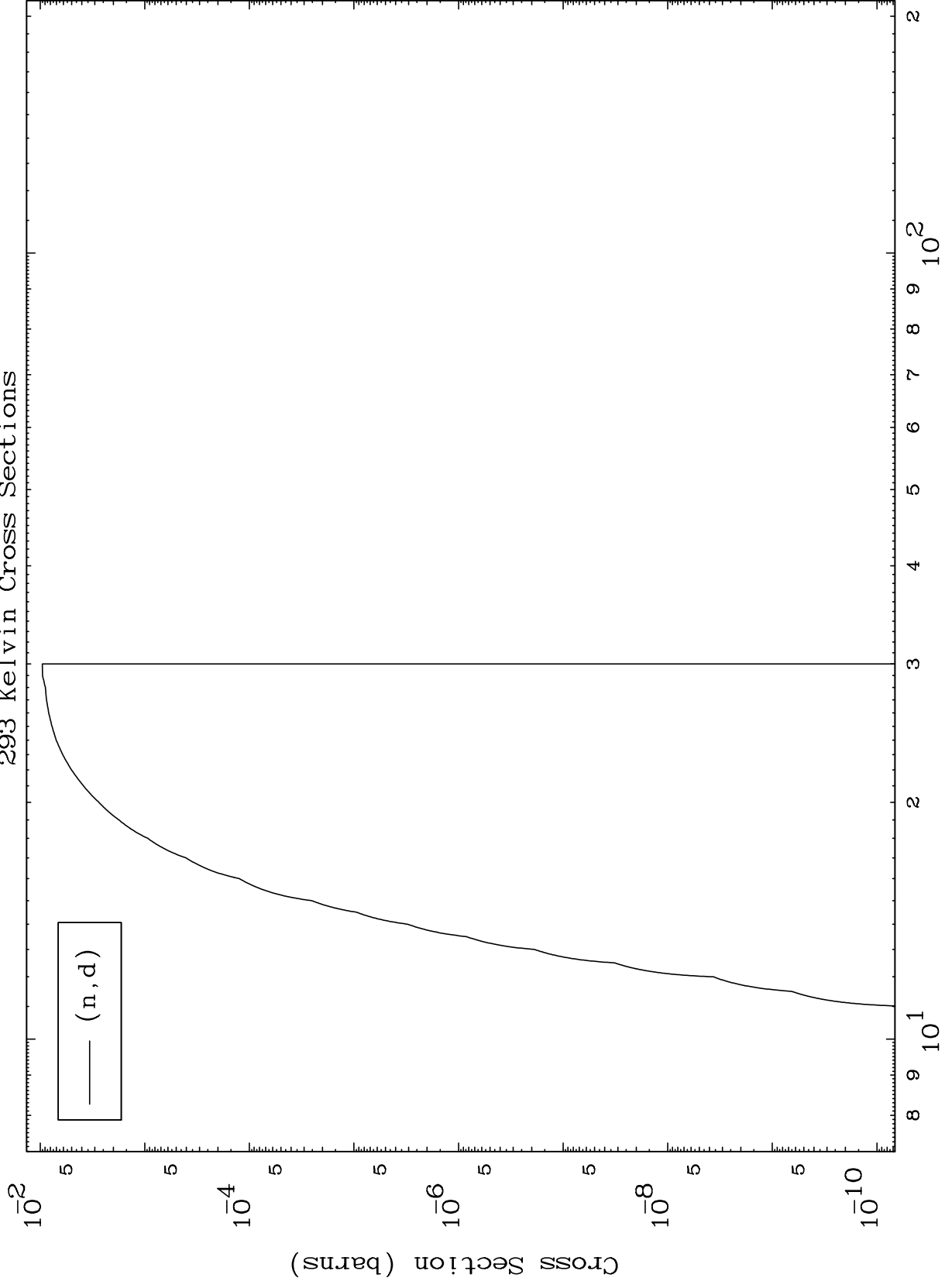
Incident Energy (MeV)

62-Sm-156

MAT 6261

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-156



11

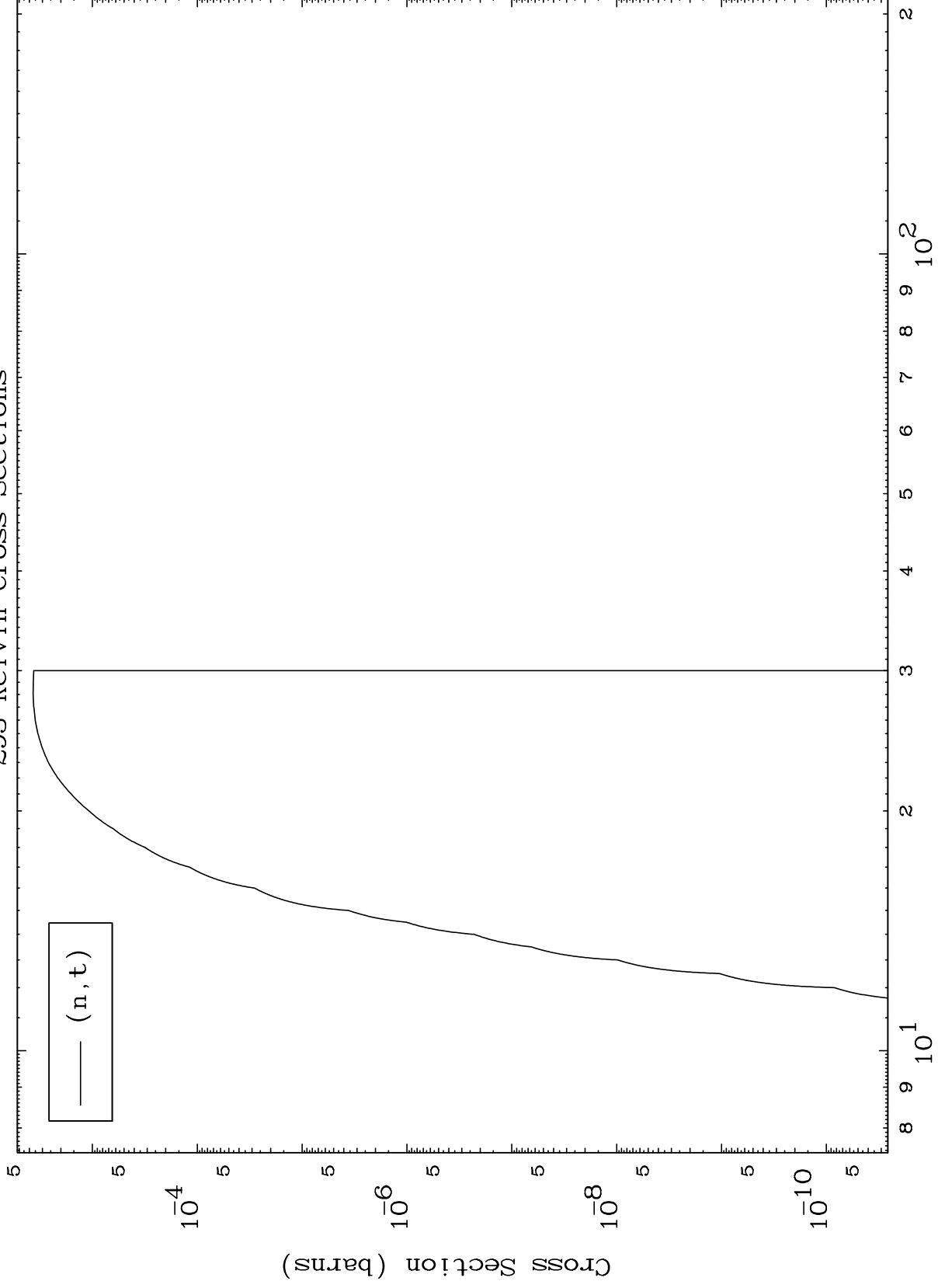
Incident Energy (MeV)

62-Sm-156

MAT 6261

(n,t) Levels
293 Kelvin Cross Sections

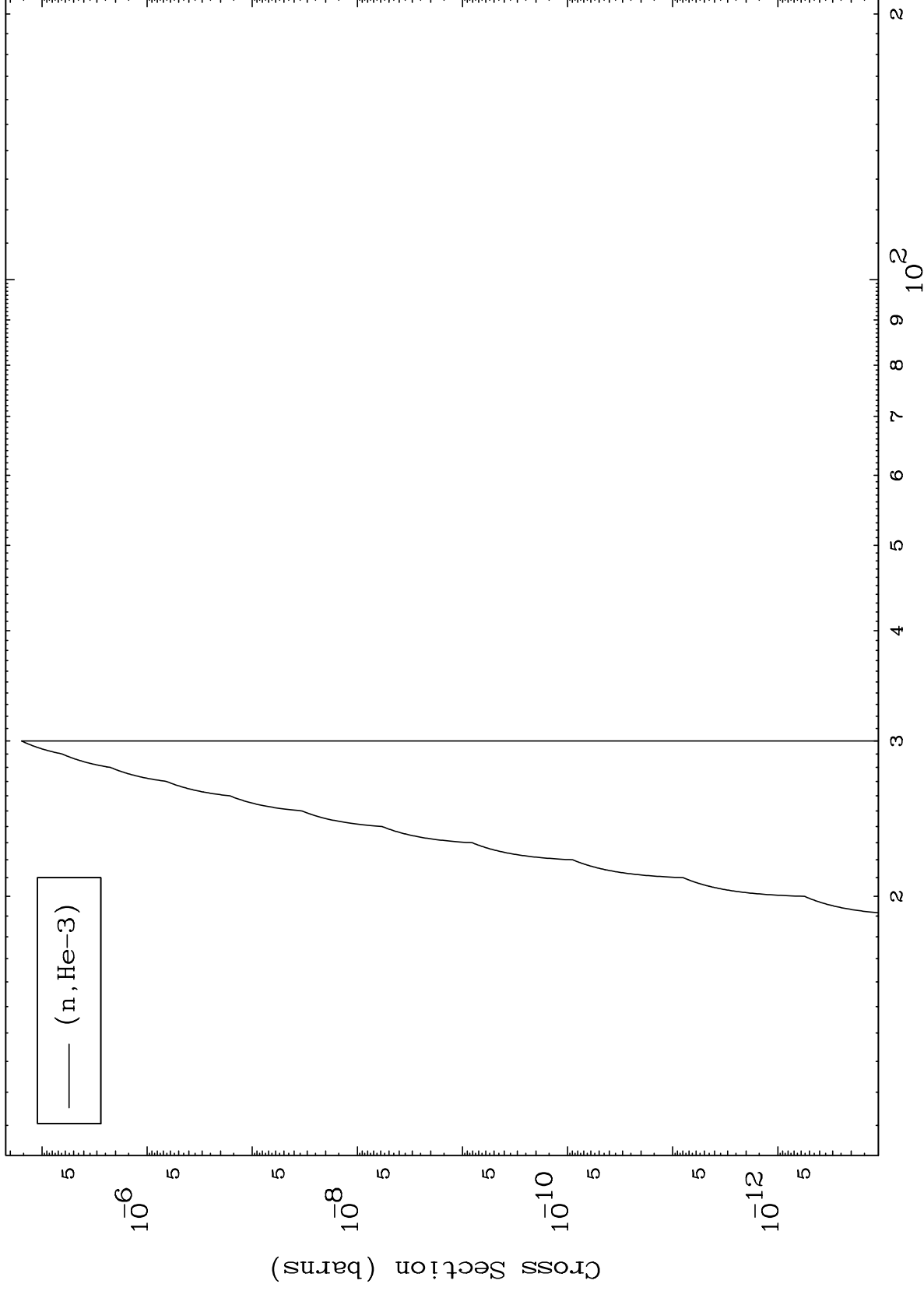
62-Sm-156



12

Incident Energy (MeV)

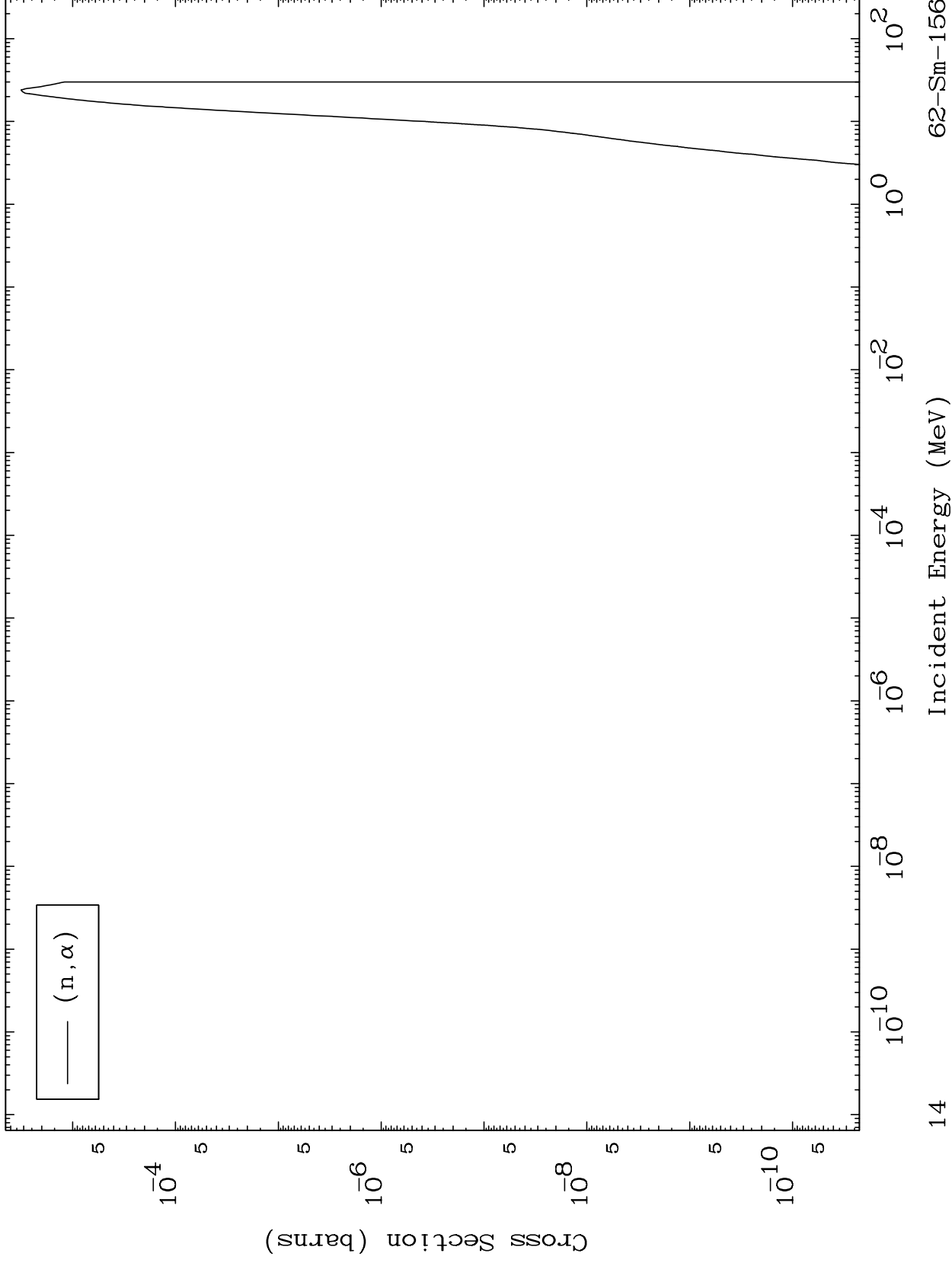
62-Sm-156

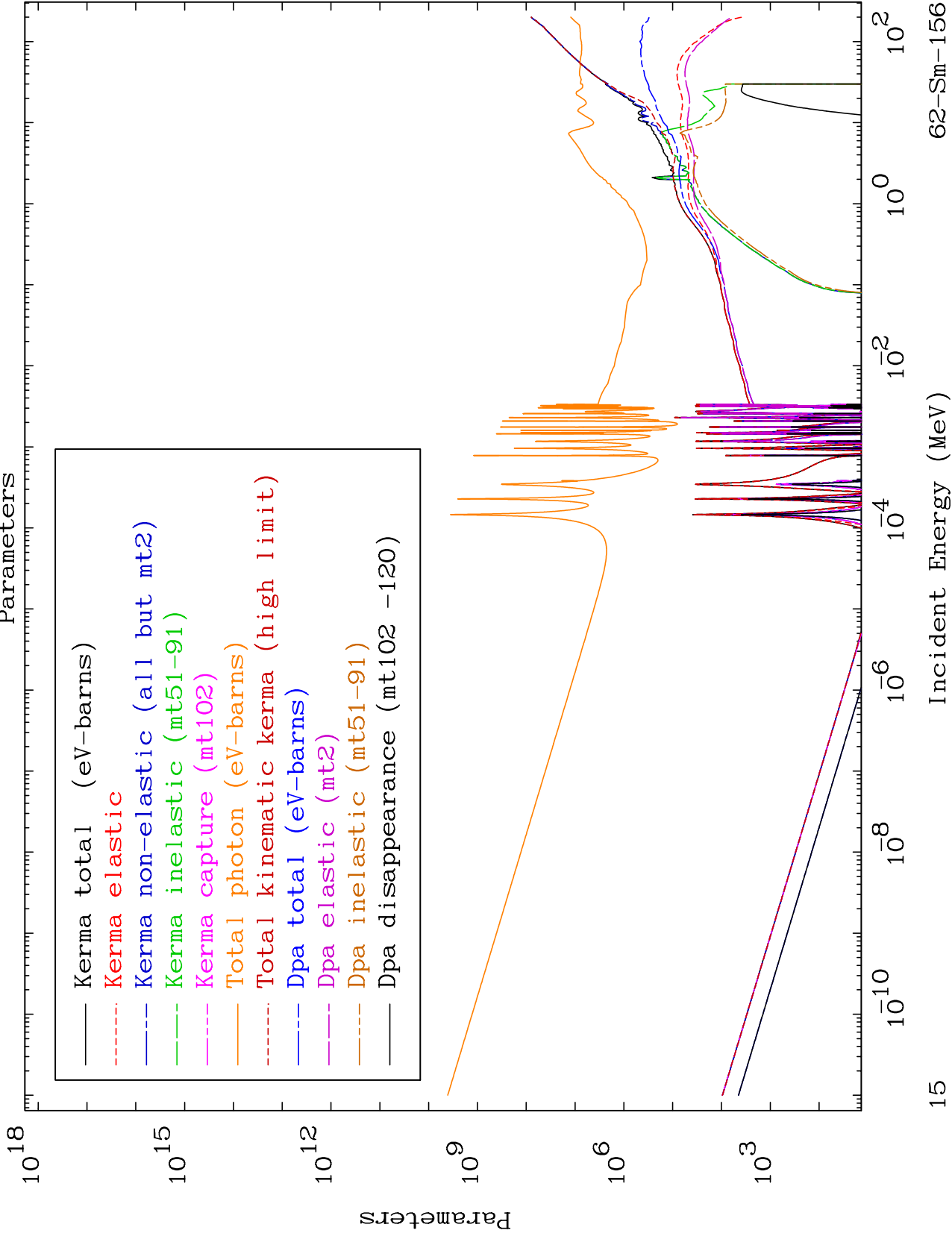


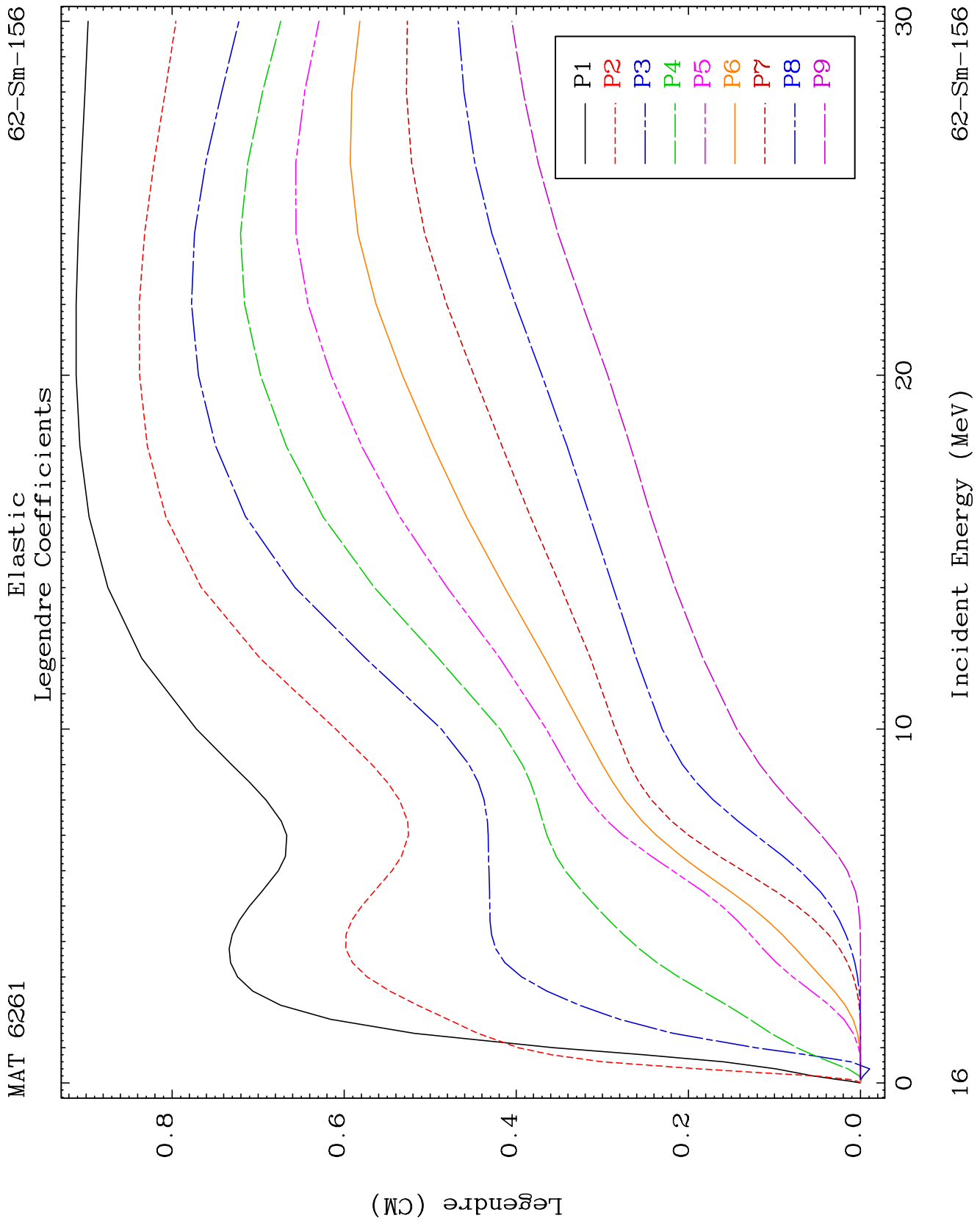
MAT 6261

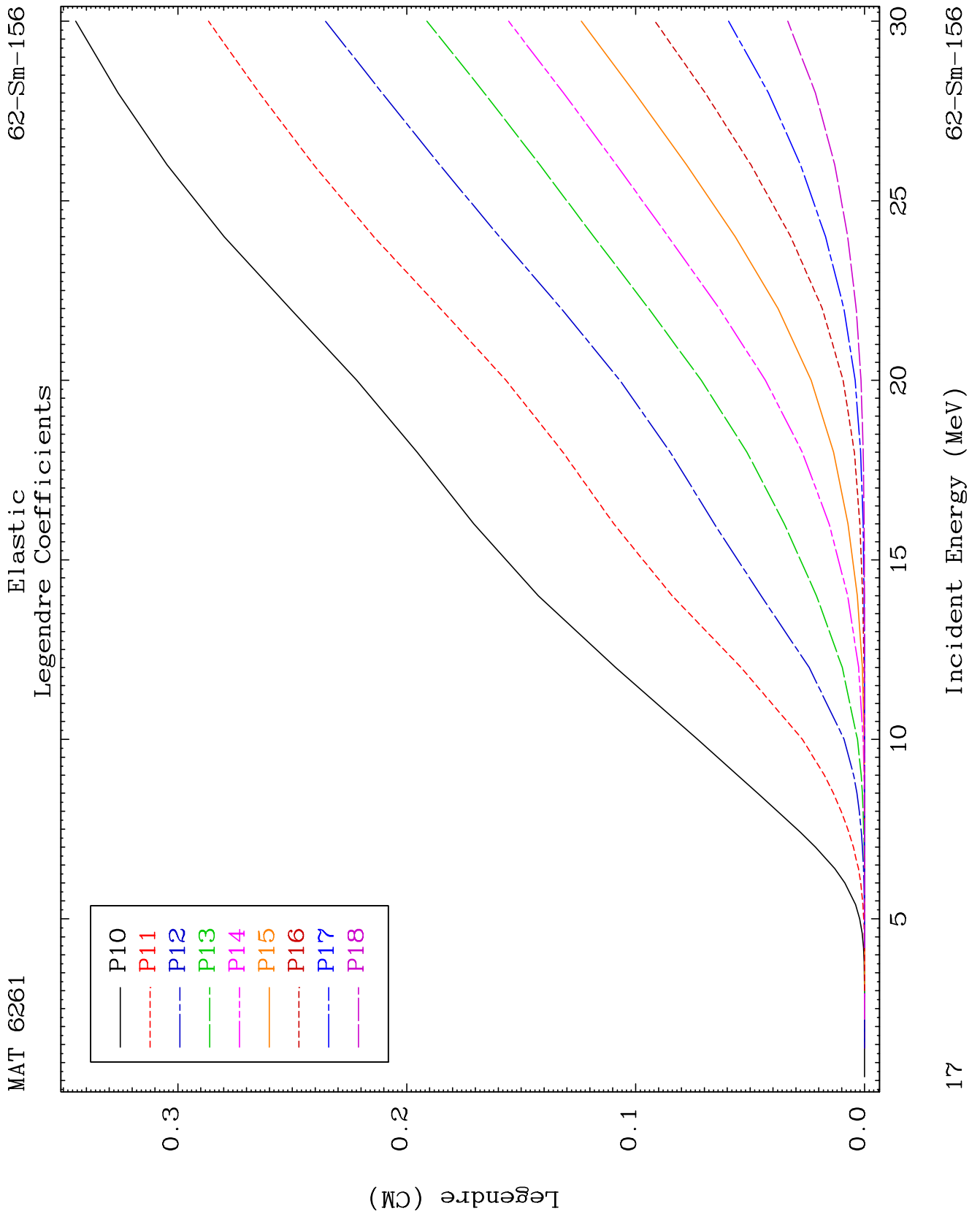
(n, α) Levels
293 Kelvin Cross Sections

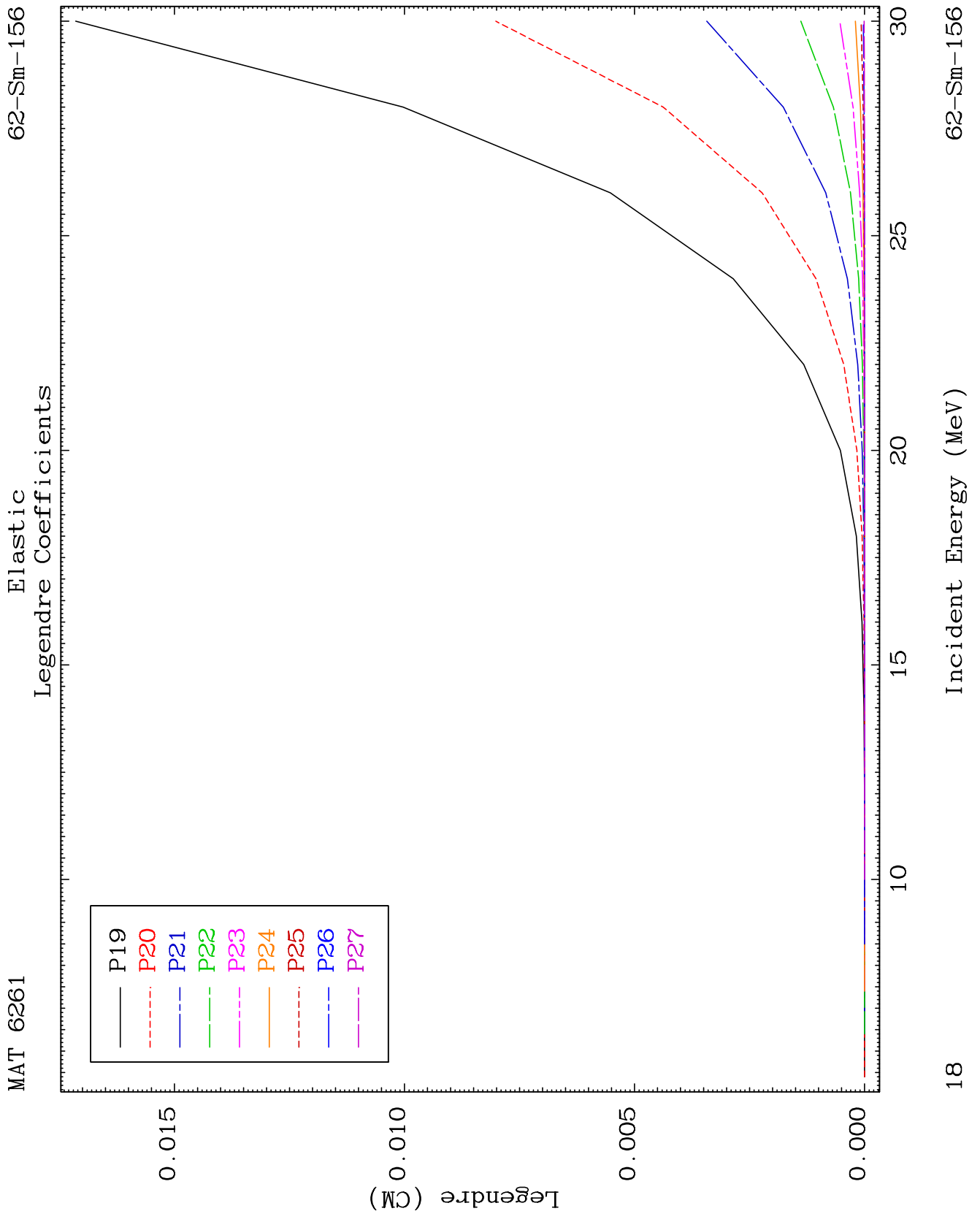
62-Sm-156











MAT 6261

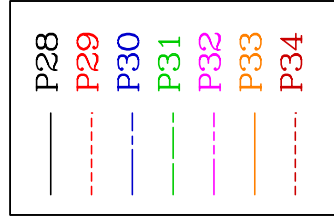
18

62-Sm-156

MAT 6261

Elastic Legendre Coefficients

62-Sm-156



$\times 10^{-6}$
2.5
2.0

Legendre (CM)

1.5
1.0
0.5
0.0

15

20

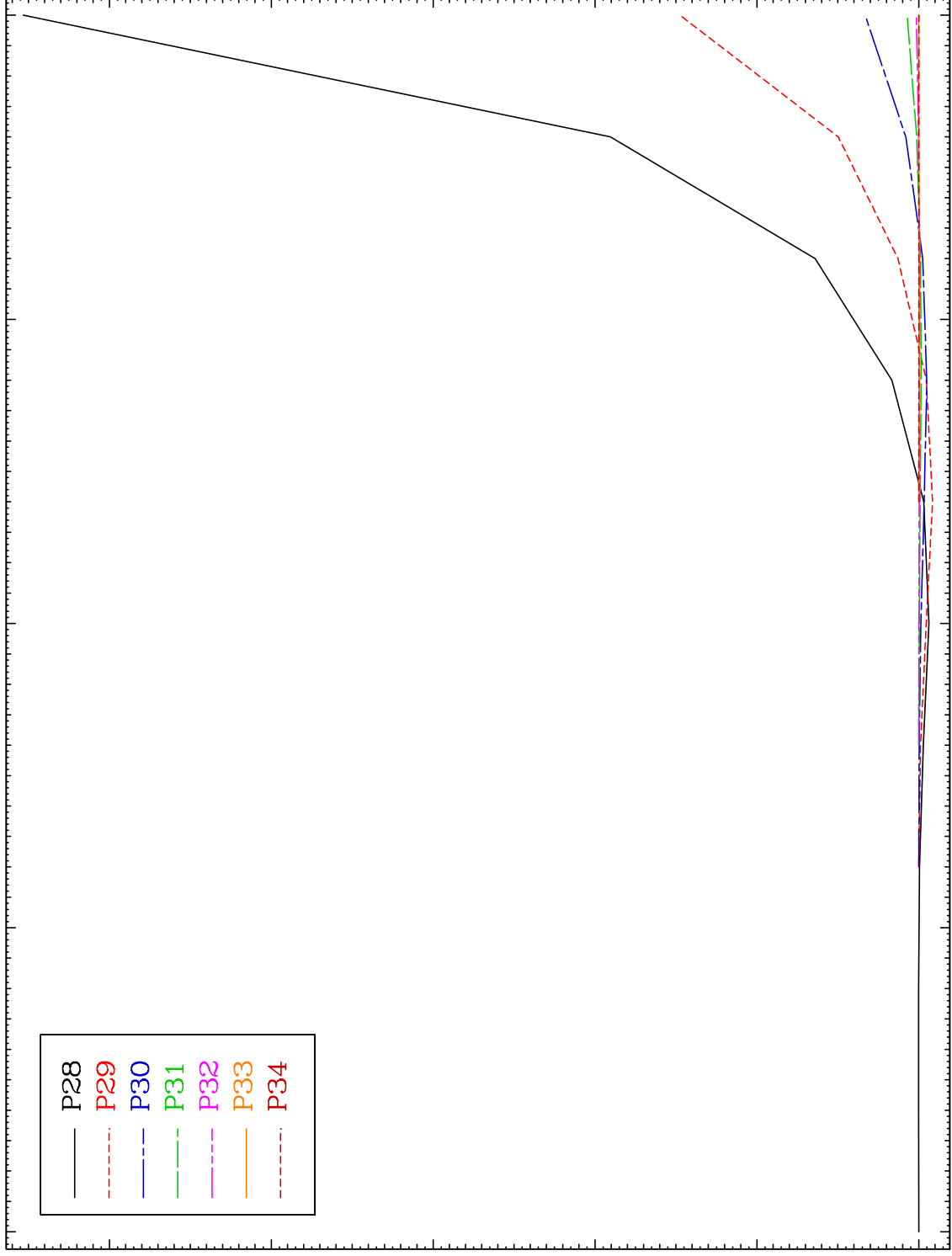
25

30

19

Incident Energy (MeV)

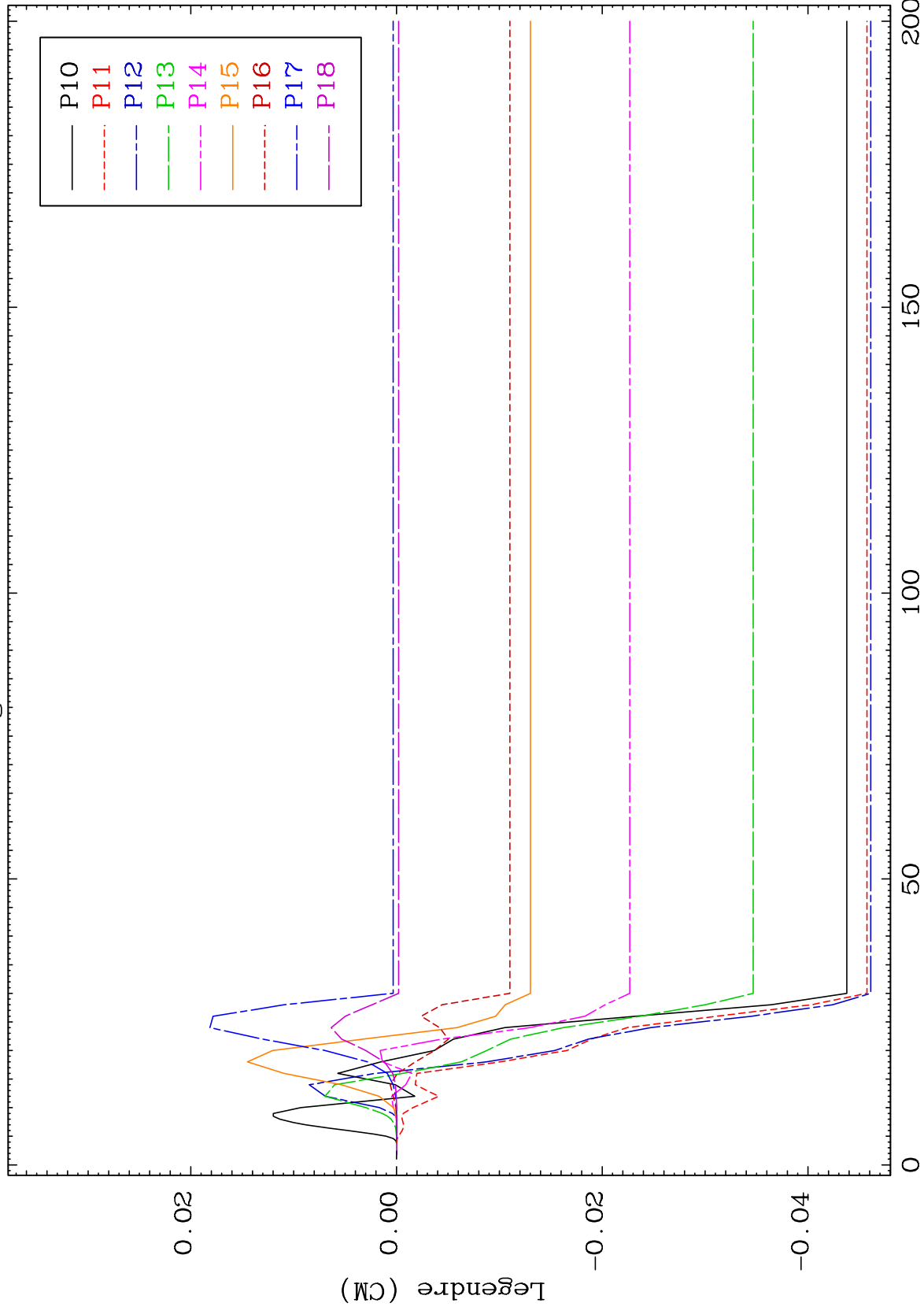
62-Sm-156



MAT 6261

75.89 keV (n,n') Level
Legendre Coefficients

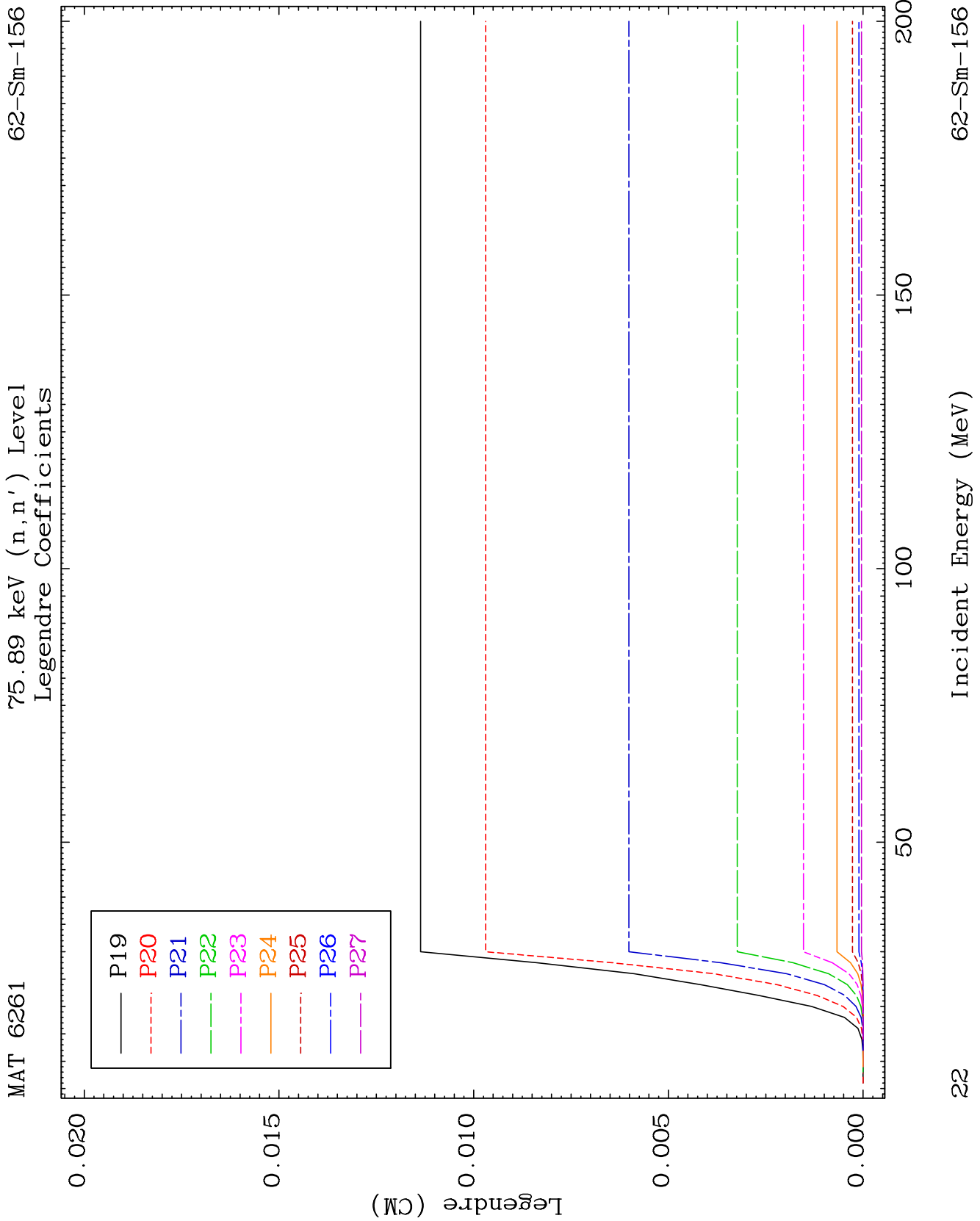
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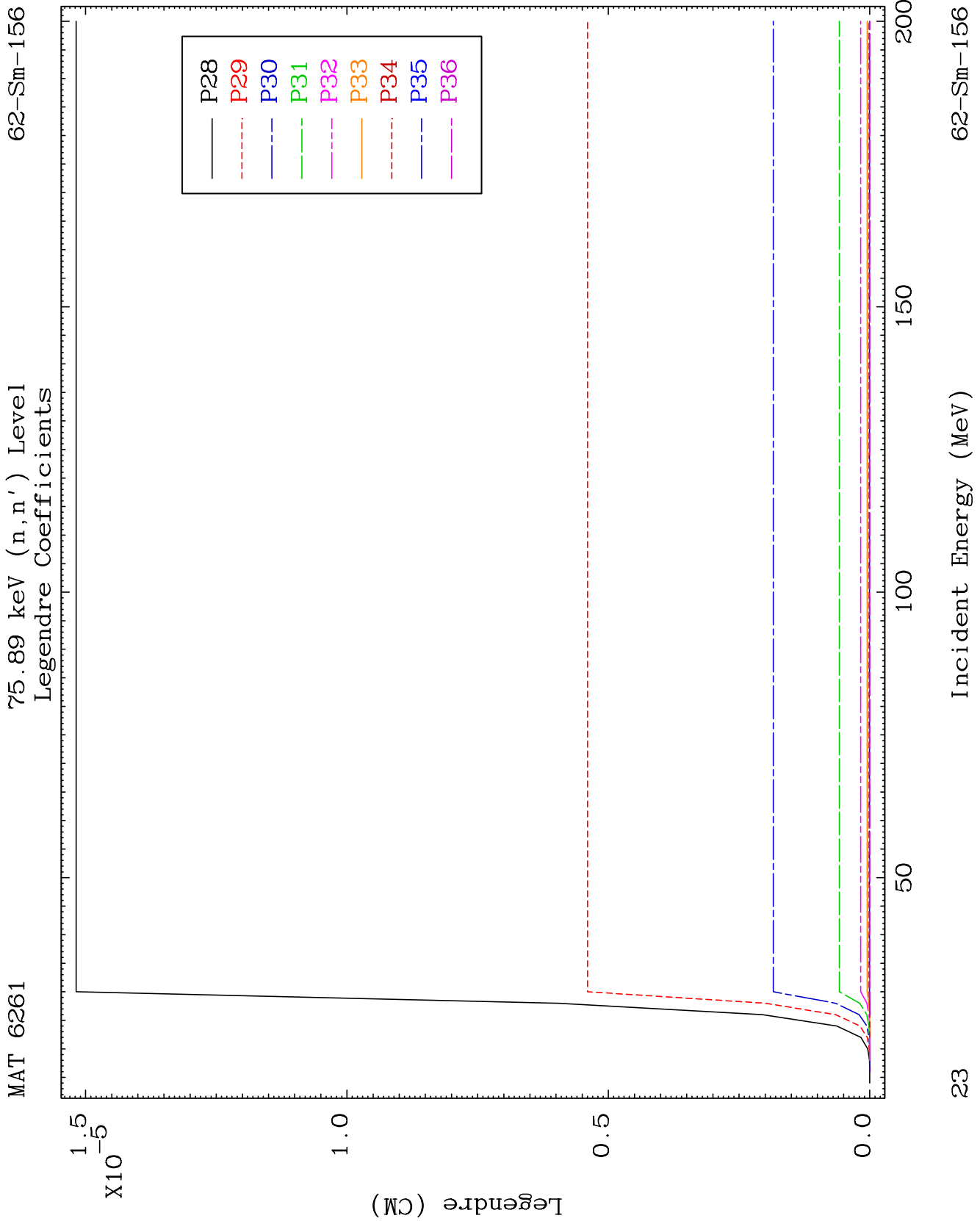


21

Incident Energy (MeV)

62-Sm-156

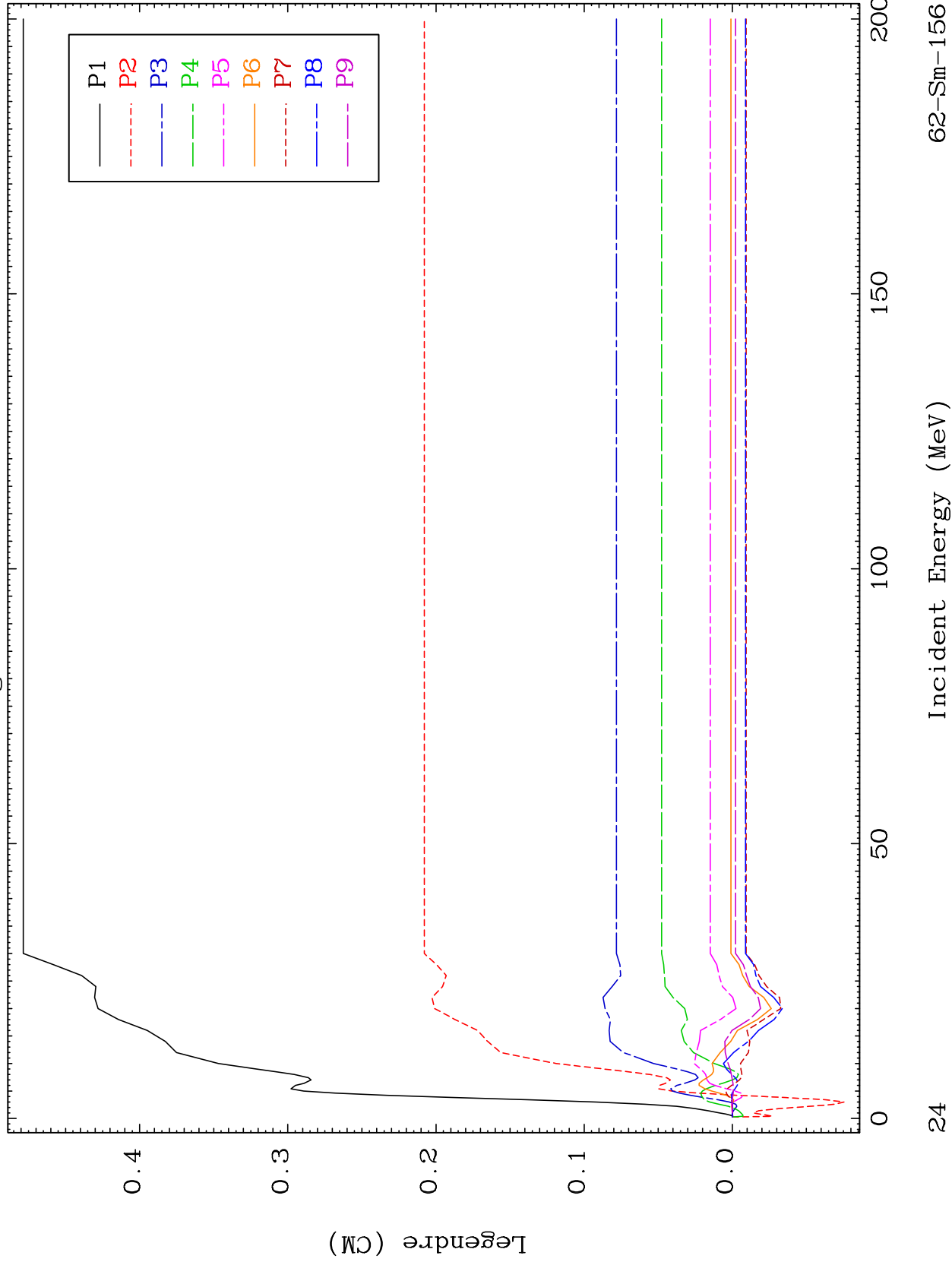




MAT 6261

249.7 keV (n,n') Level
Legendre Coefficients

62-Sm-156



24

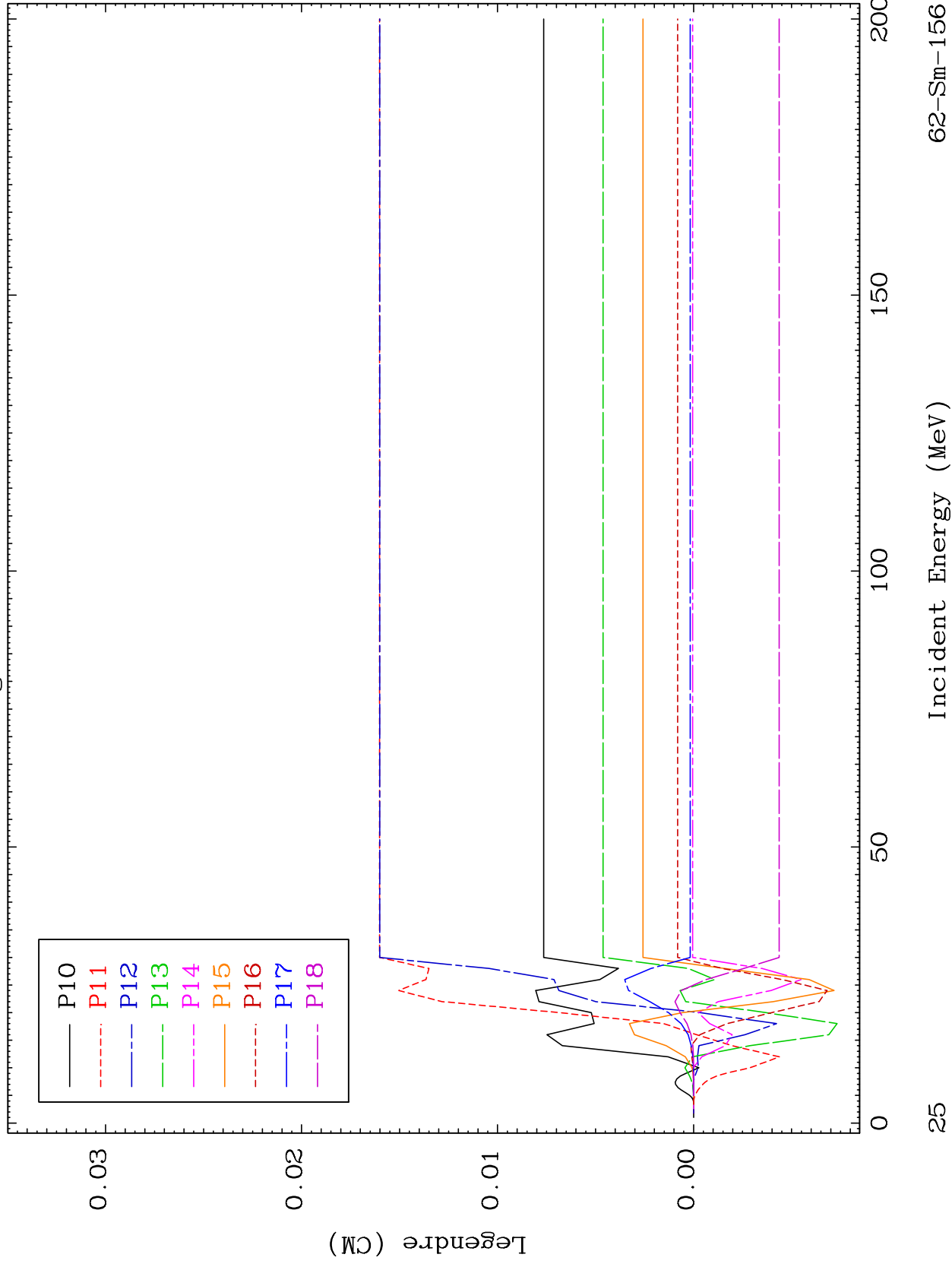
Incident Energy (MeV)

62-Sm-156

MAT 6261

249.7 keV (n, n') Level
Legendre Coefficients

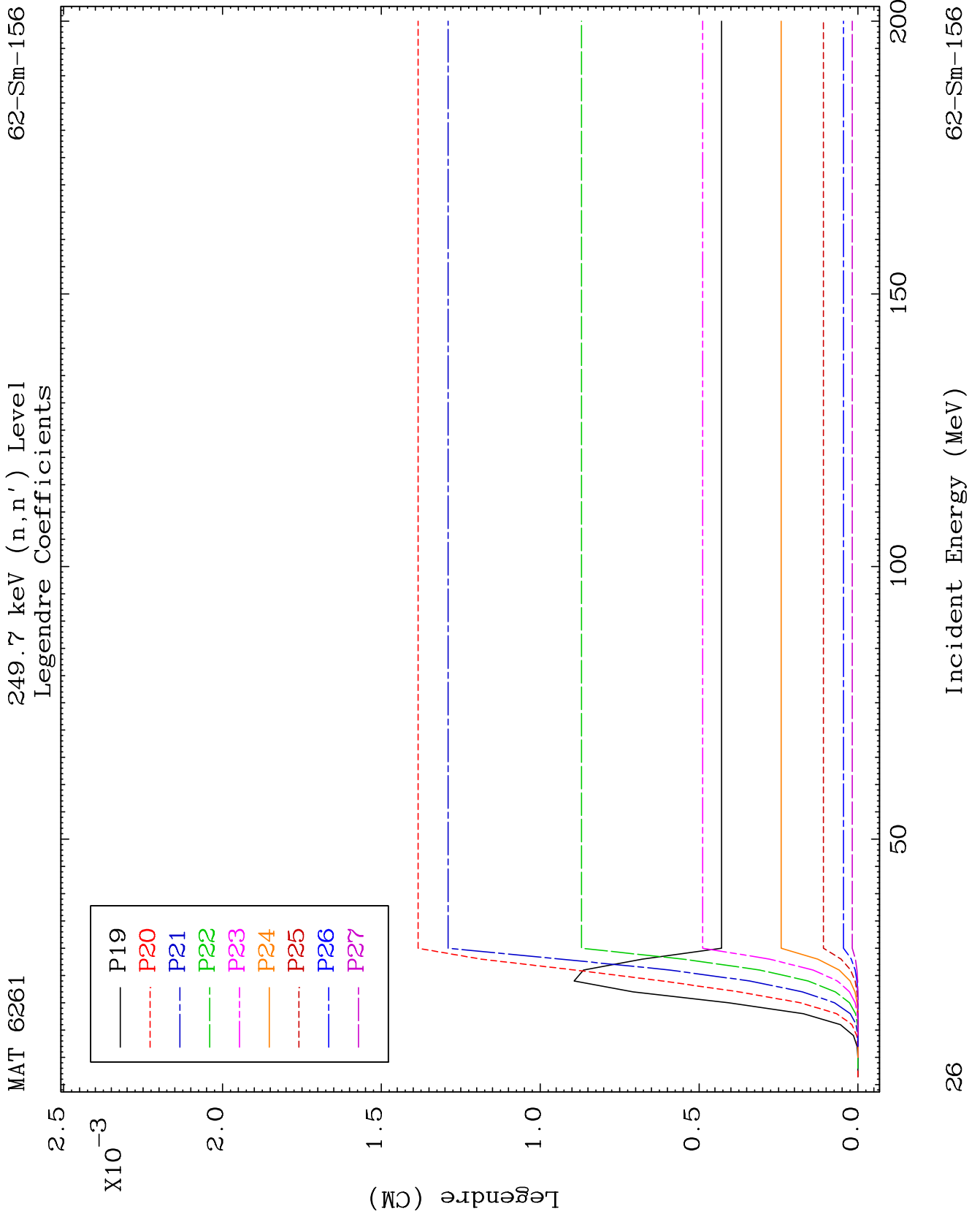
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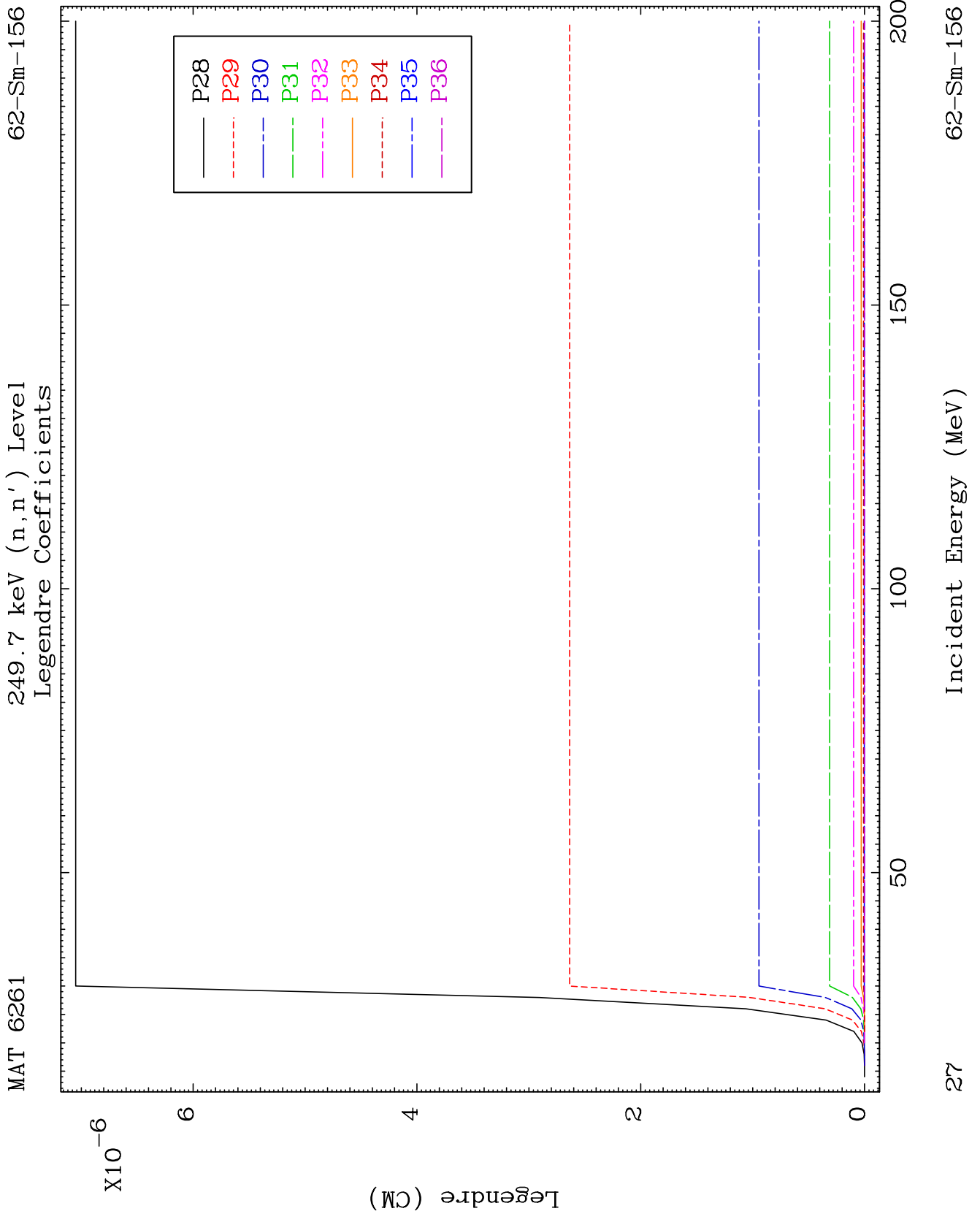


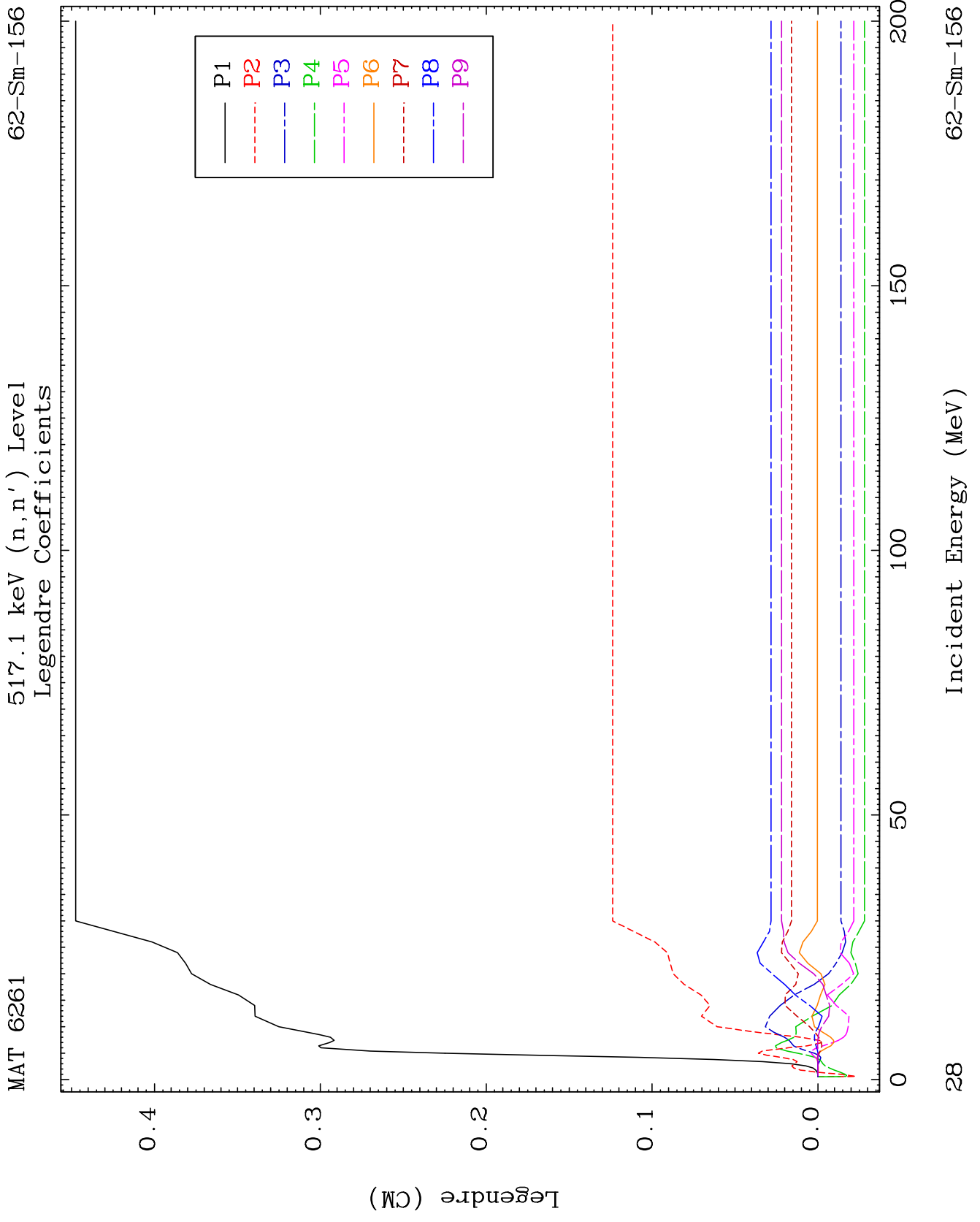
62-Sm-156

Incident Energy (MeV)

25



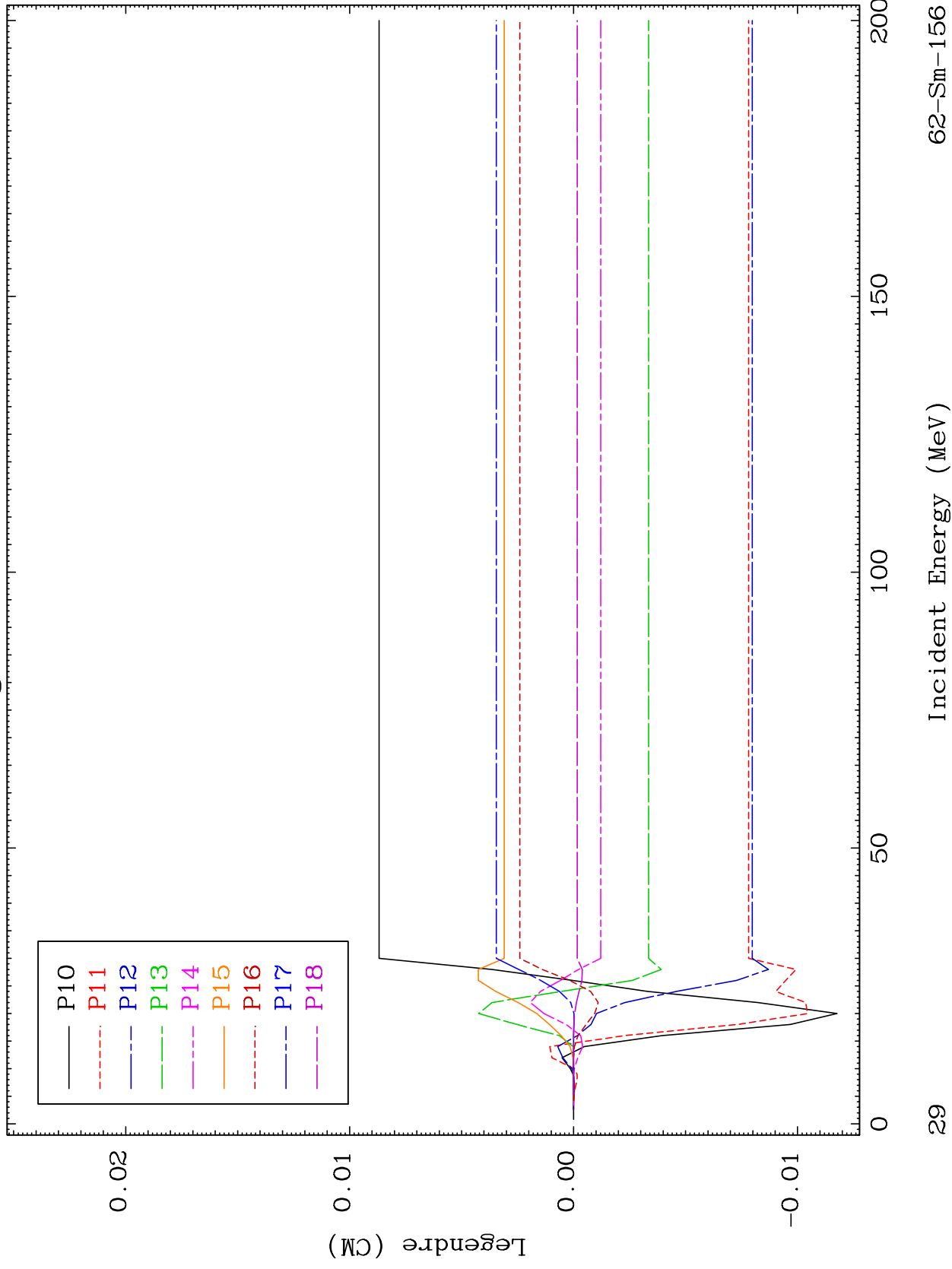




MAT 6261

517.1 keV (n,n') Level
Legendre Coefficients

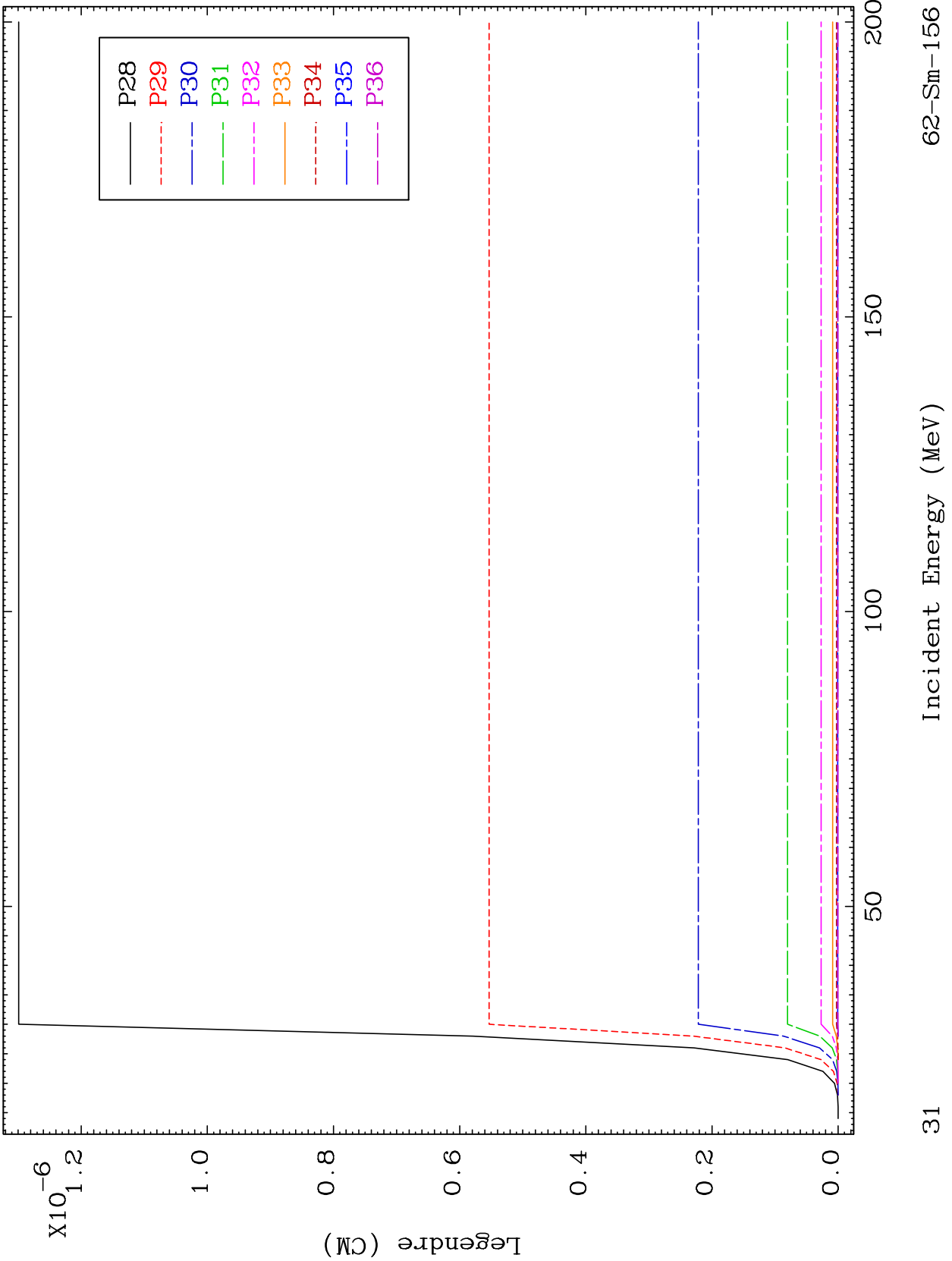
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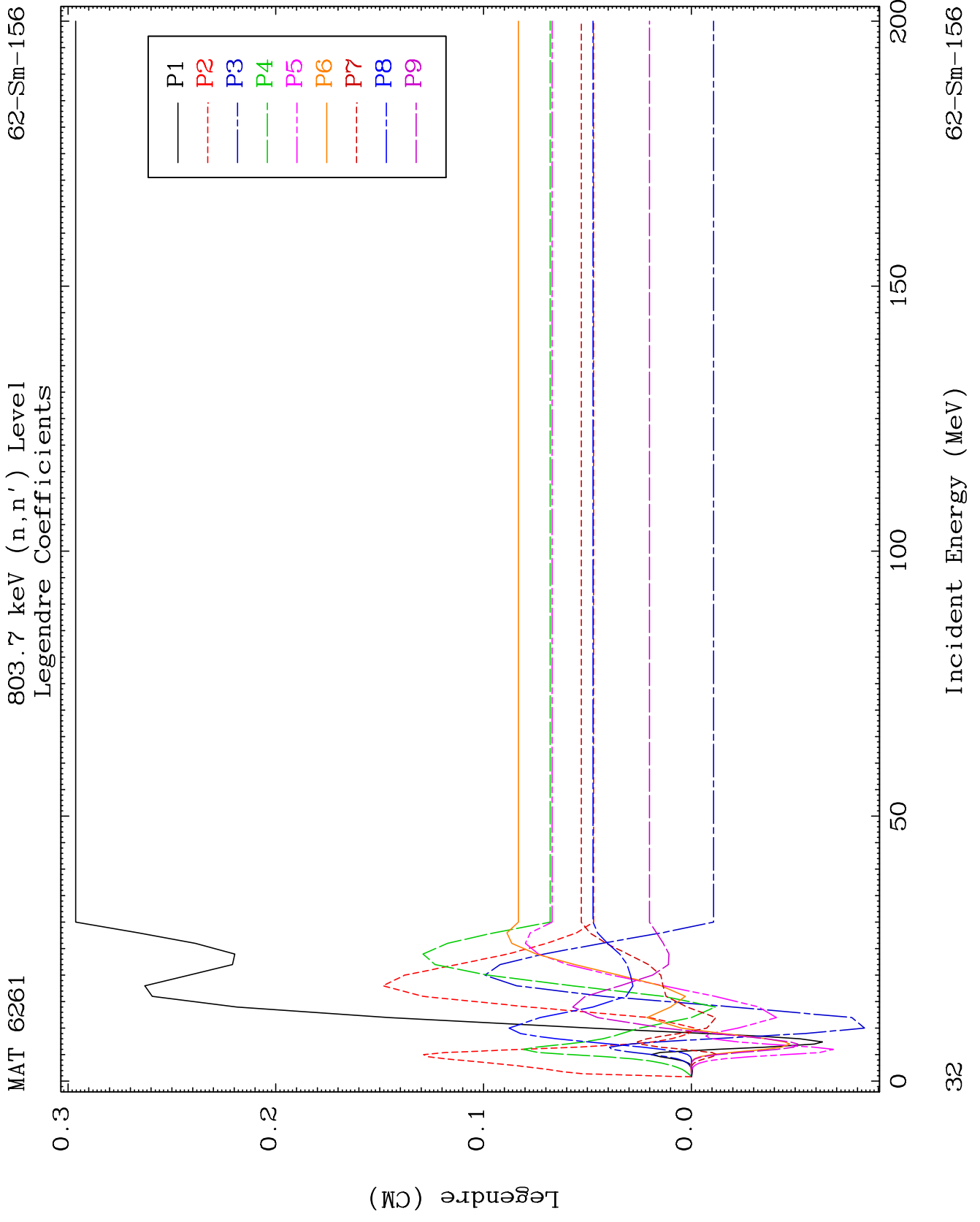


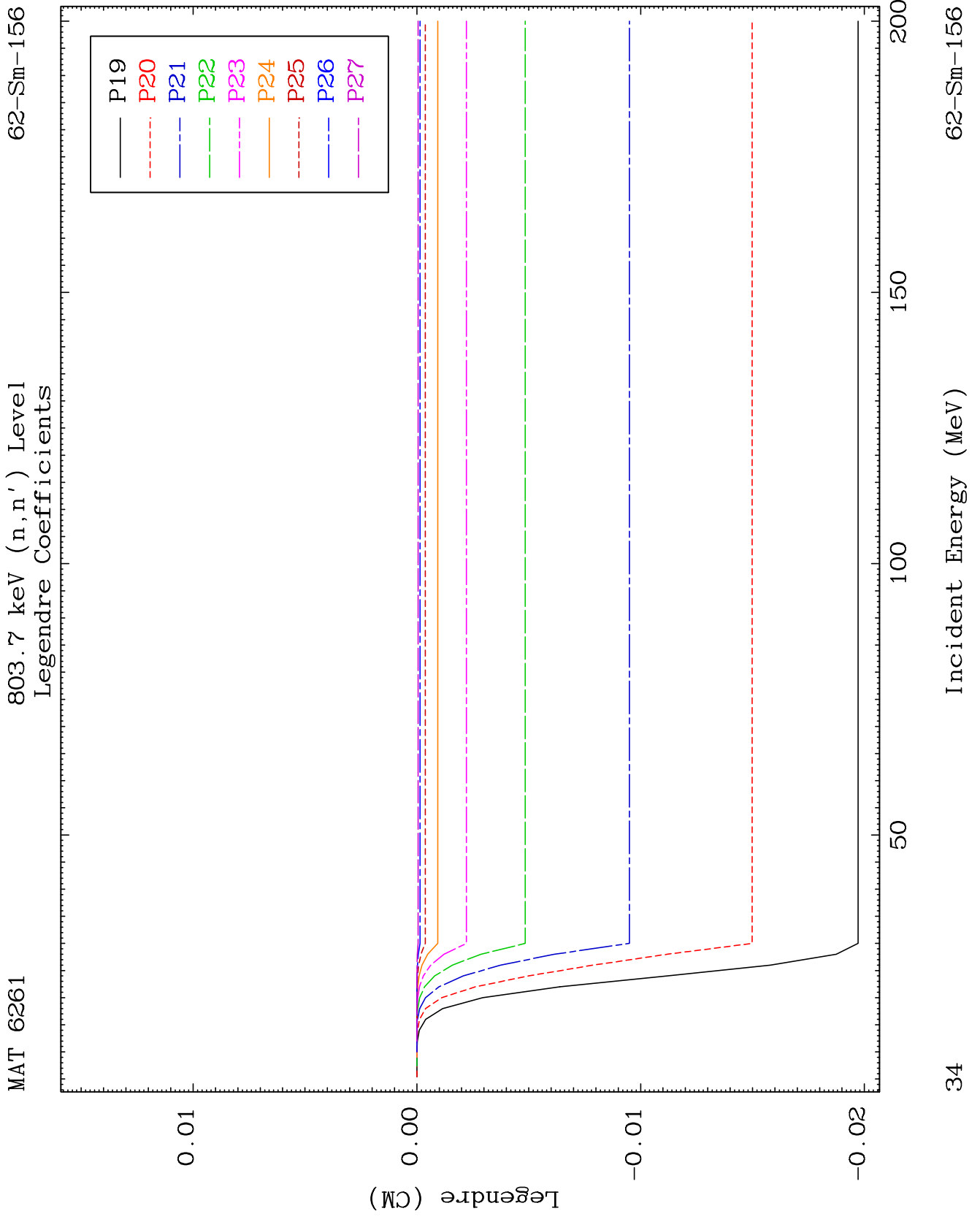
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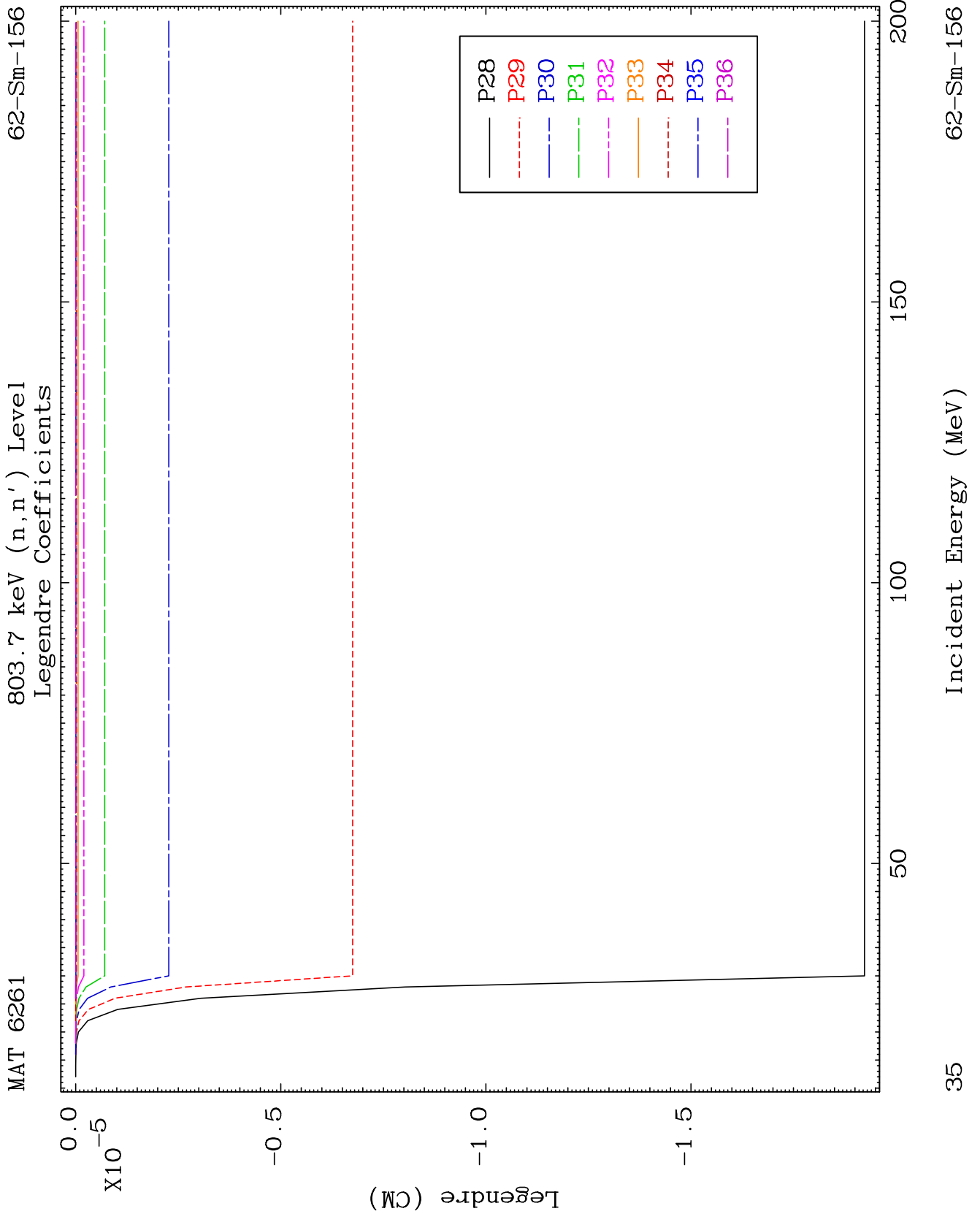
Incident Energy (MeV)

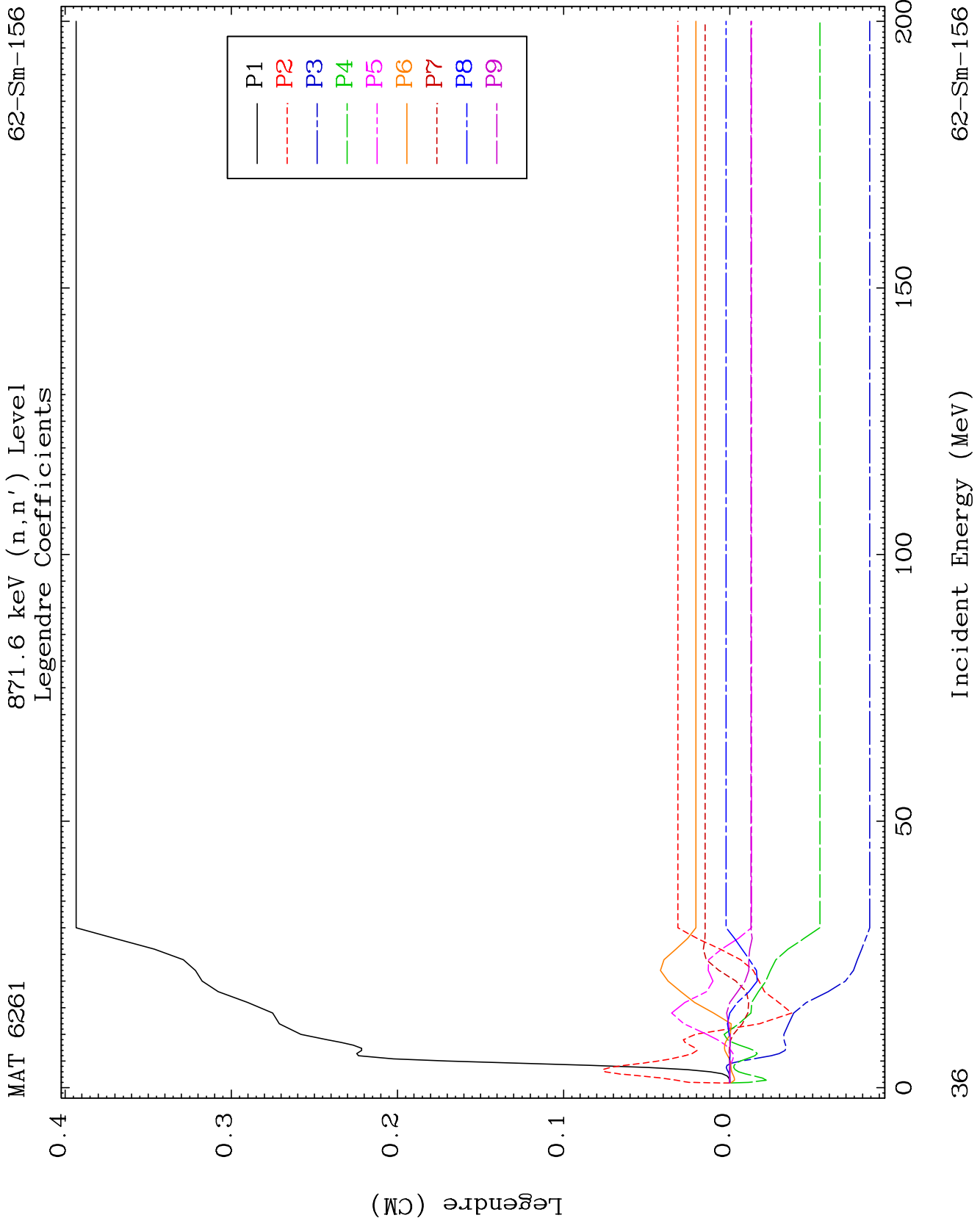
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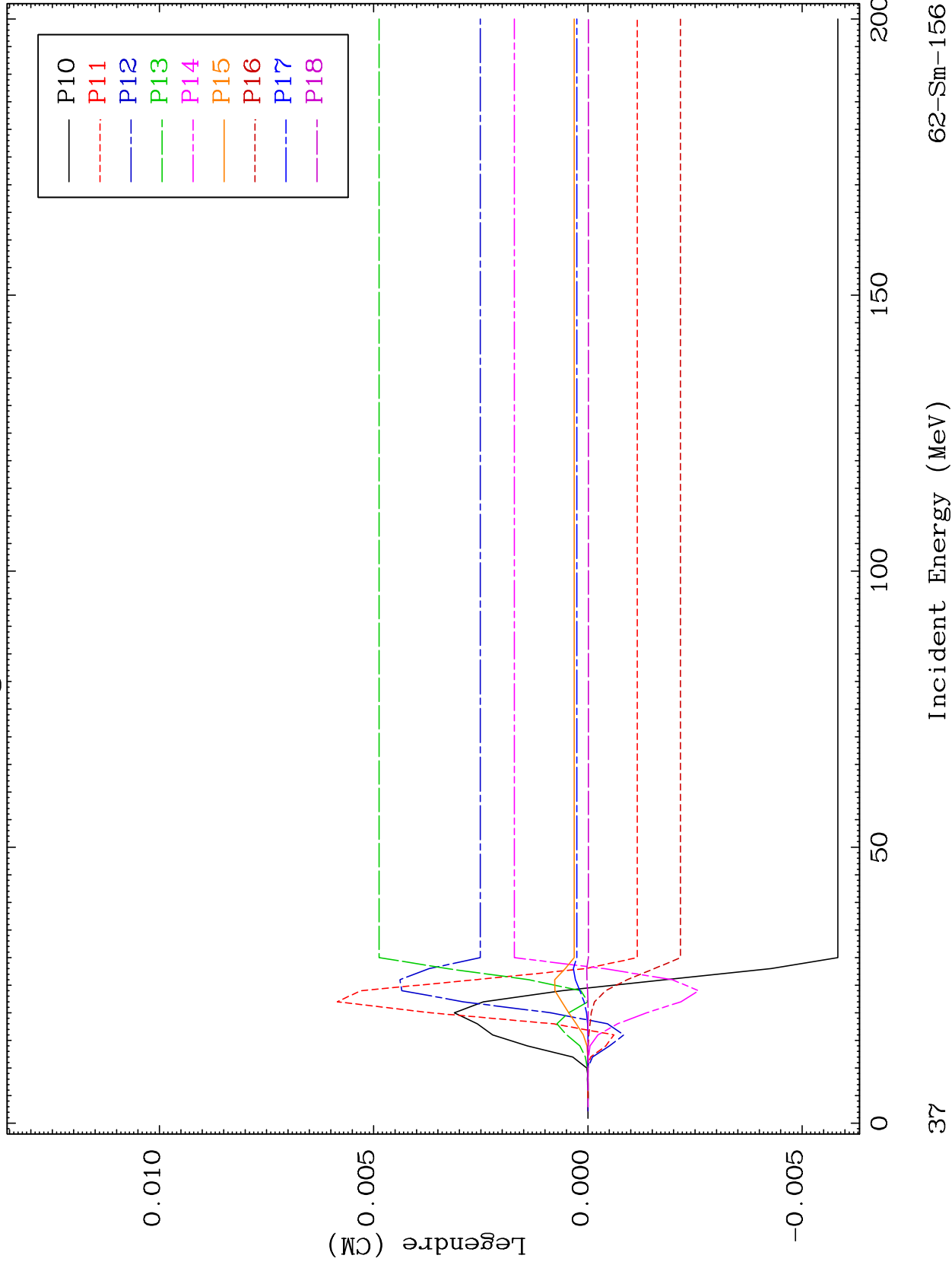




MAT 6261

871.6 keV (n,n') Level
Legendre Coefficients

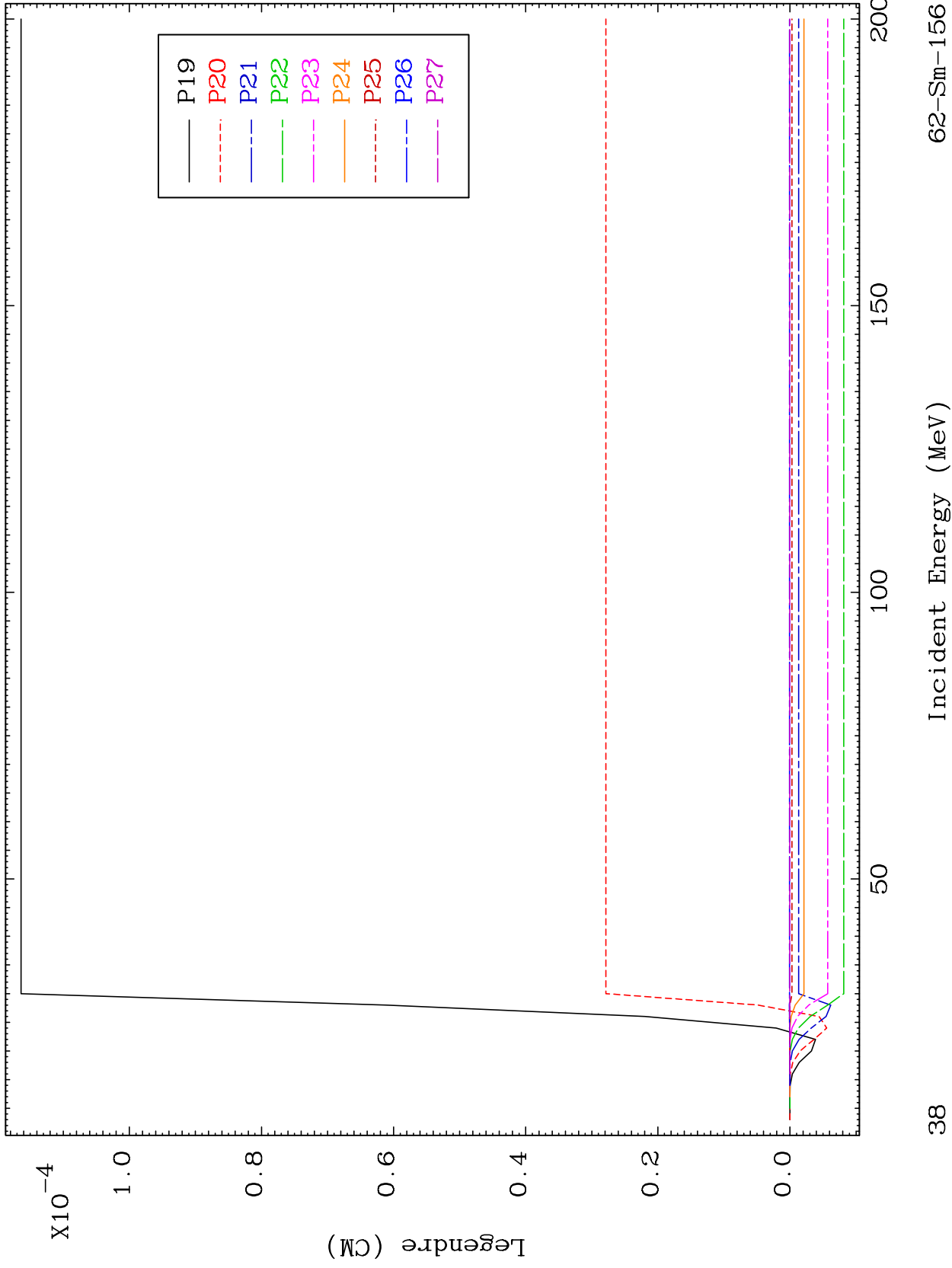
62-Sm-156

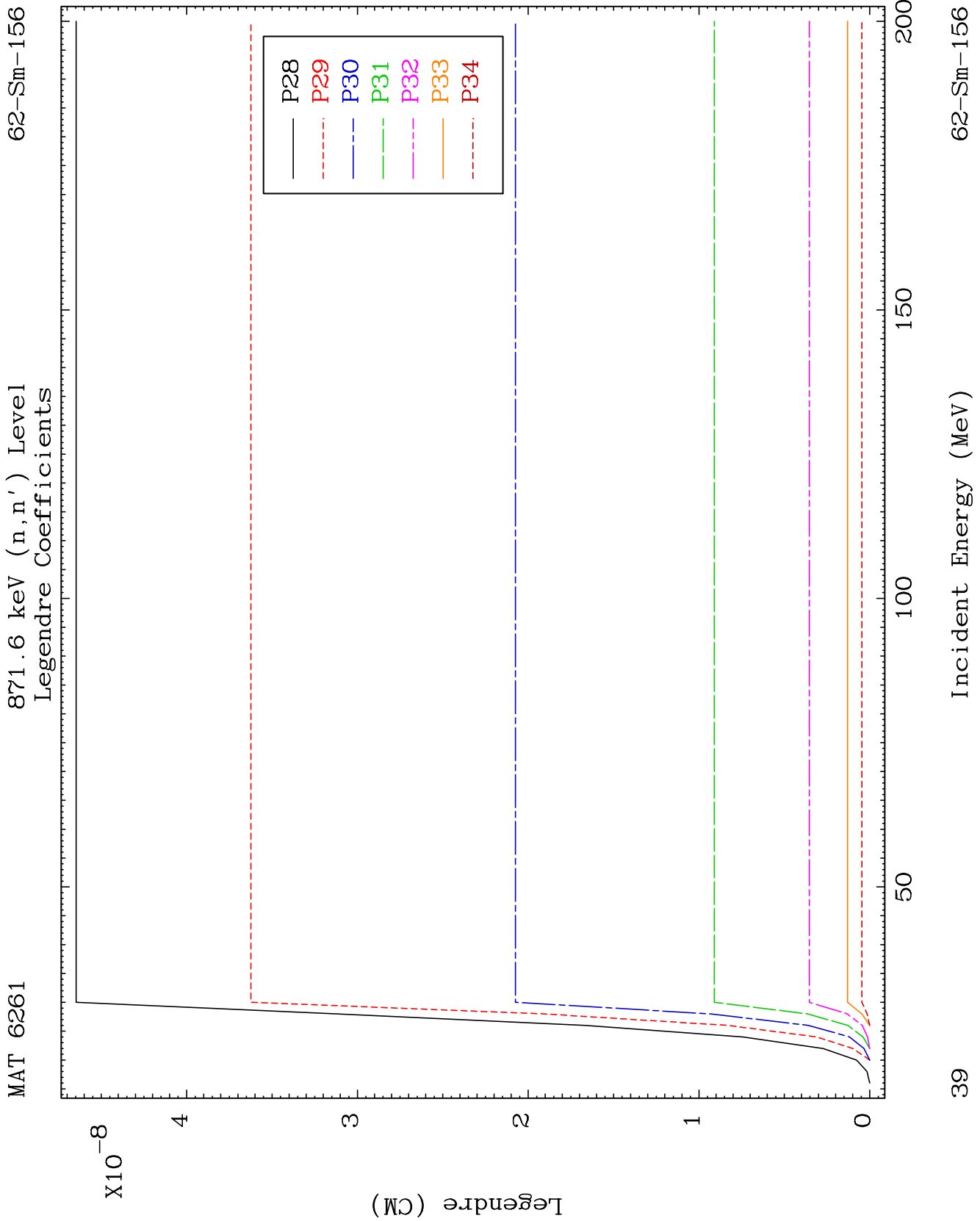


37

Incident Energy (MeV)

62-Sm-156

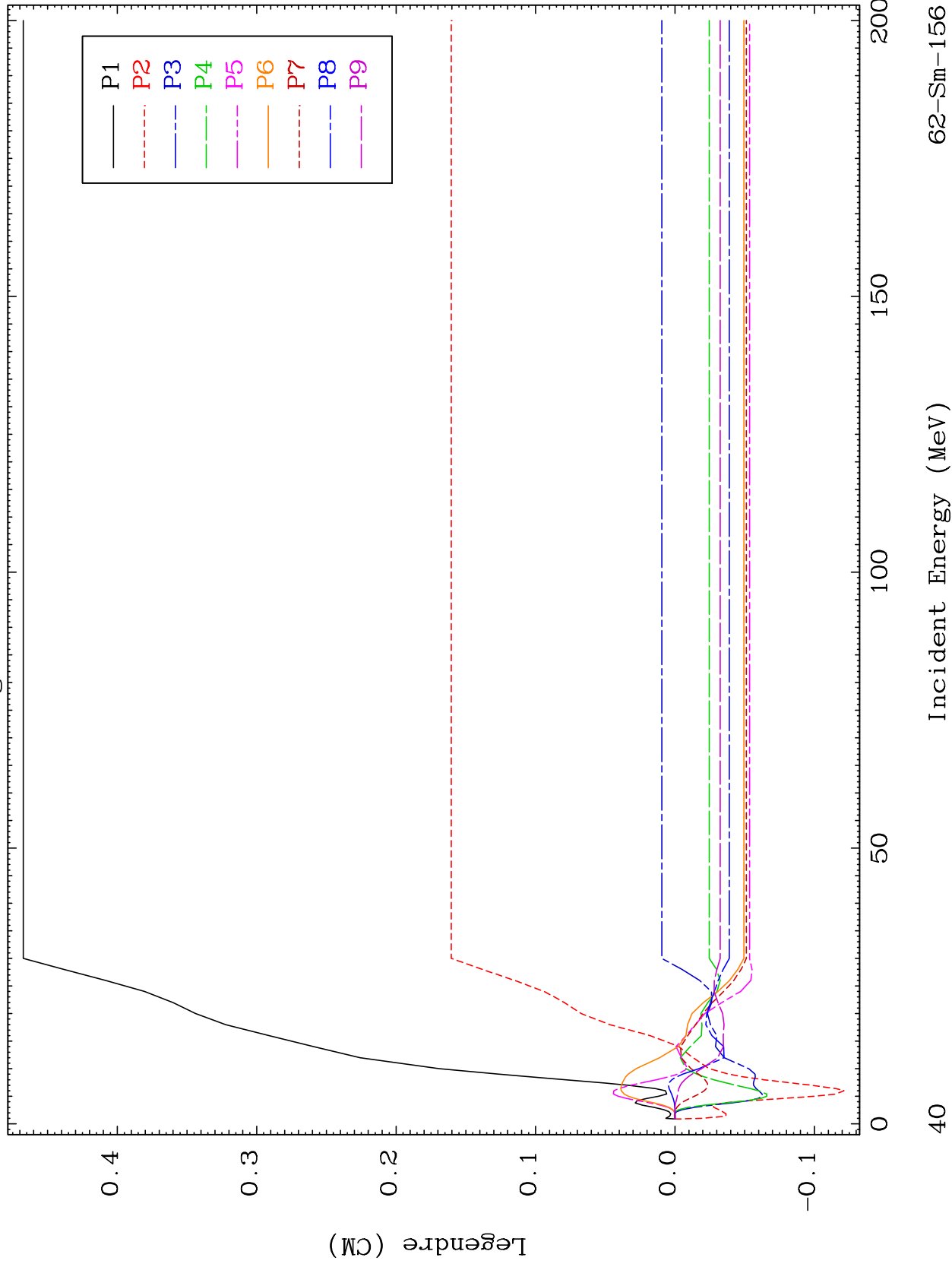




MAT 6261

875.7 keV (n,n') Level
Legendre Coefficients

62-Sm-156



62-Sm-156

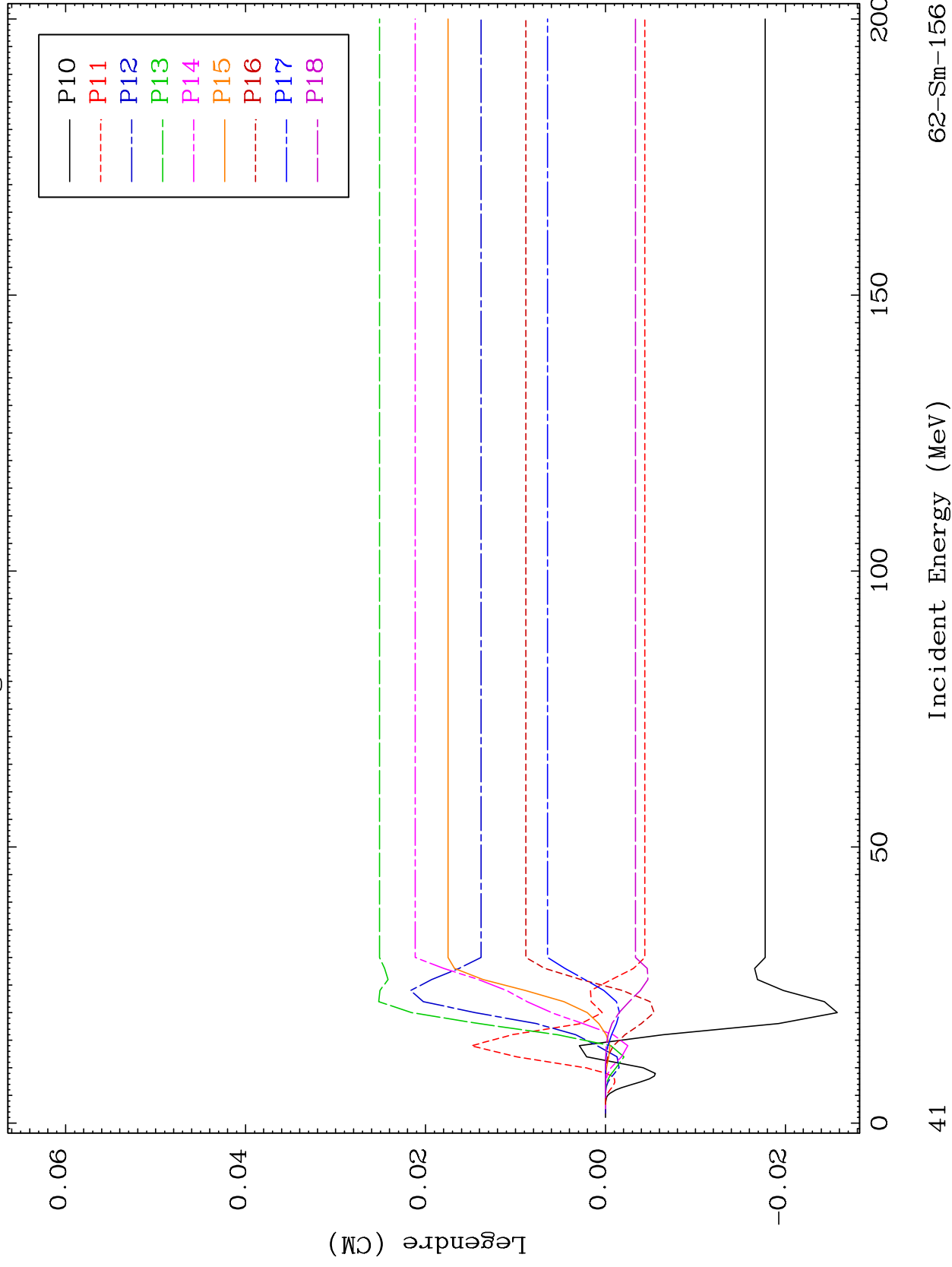
Incident Energy (MeV)

40

MAT 6261

875.7 keV (n,n') Level
Legendre Coefficients

62-Sm-156



41

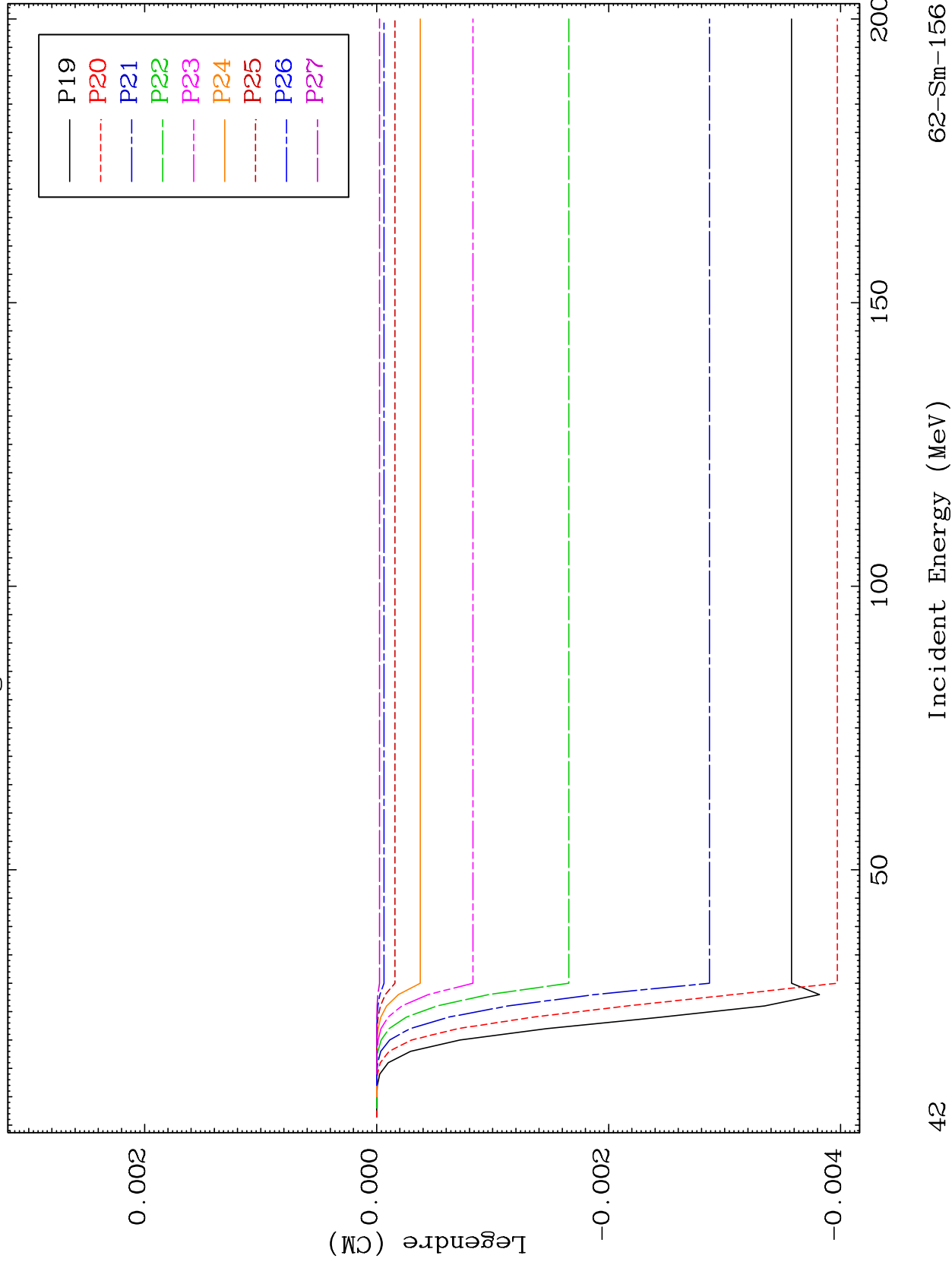
Incident Energy (MeV)

62-Sm-156

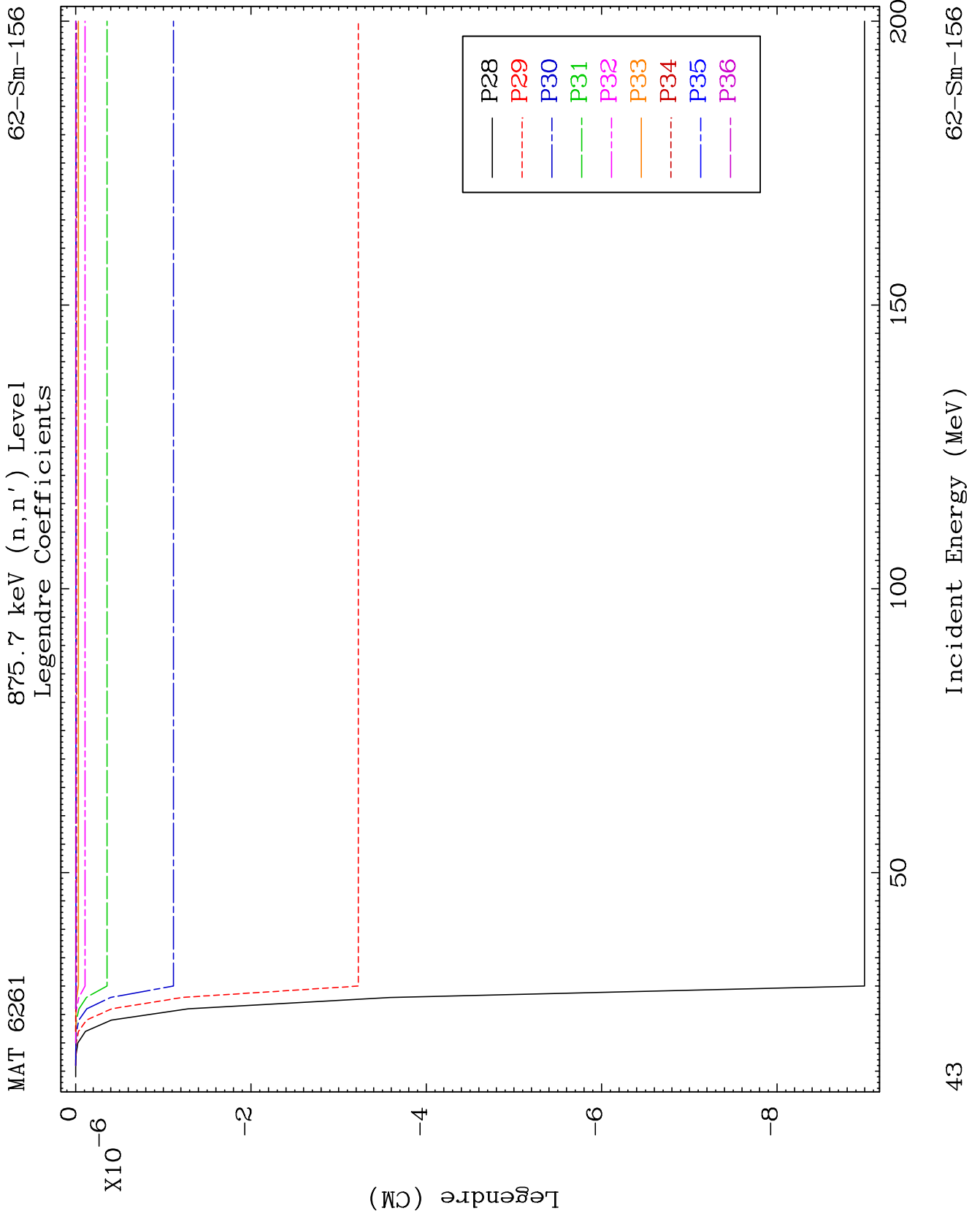
MAT 6261

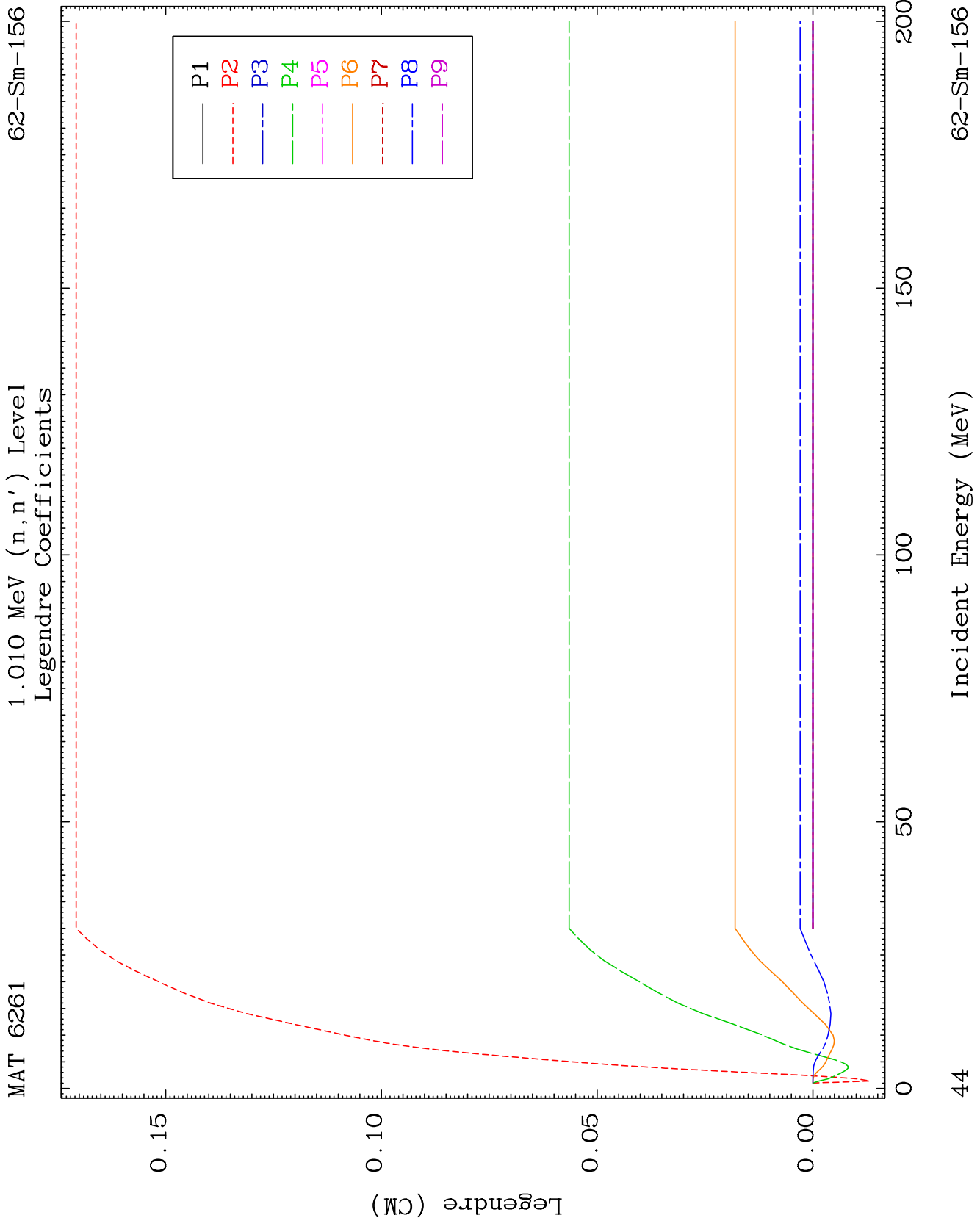
875.7 keV (n,n') Level
Legendre Coefficients

62-Sm-156



42

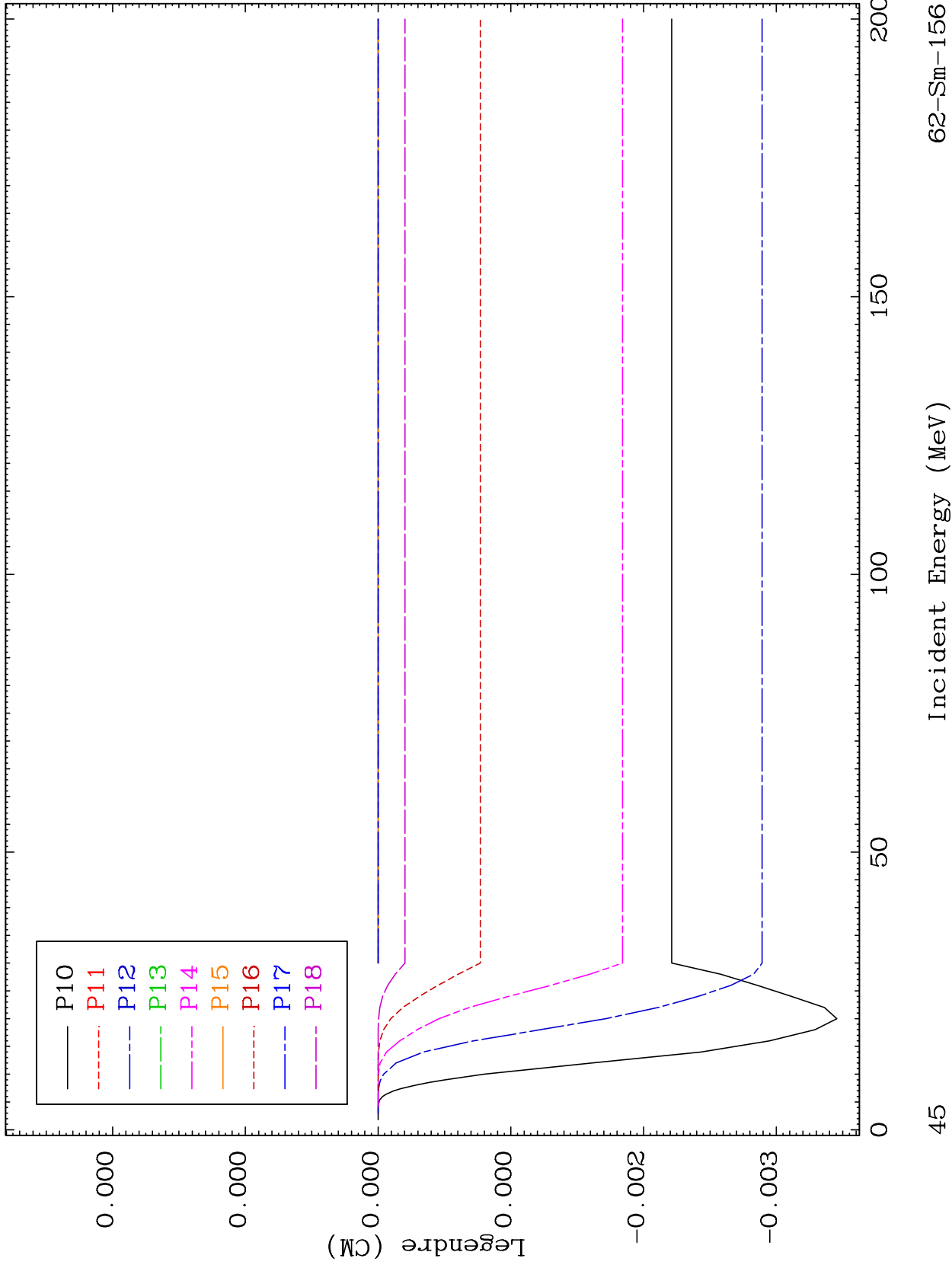




MAT 6261

1.010 MeV (n,n') Level
Legendre Coefficients

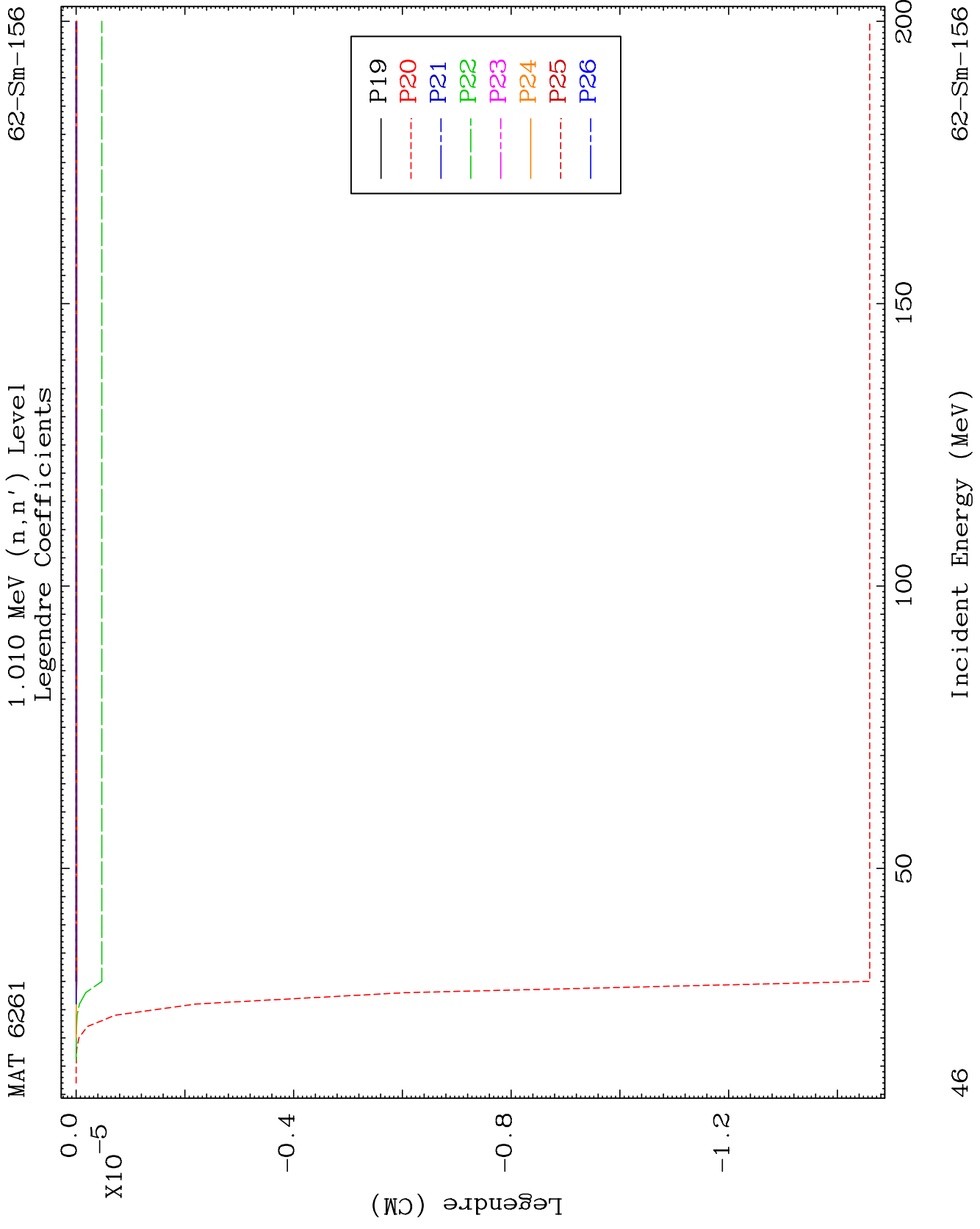
62-Sm-156

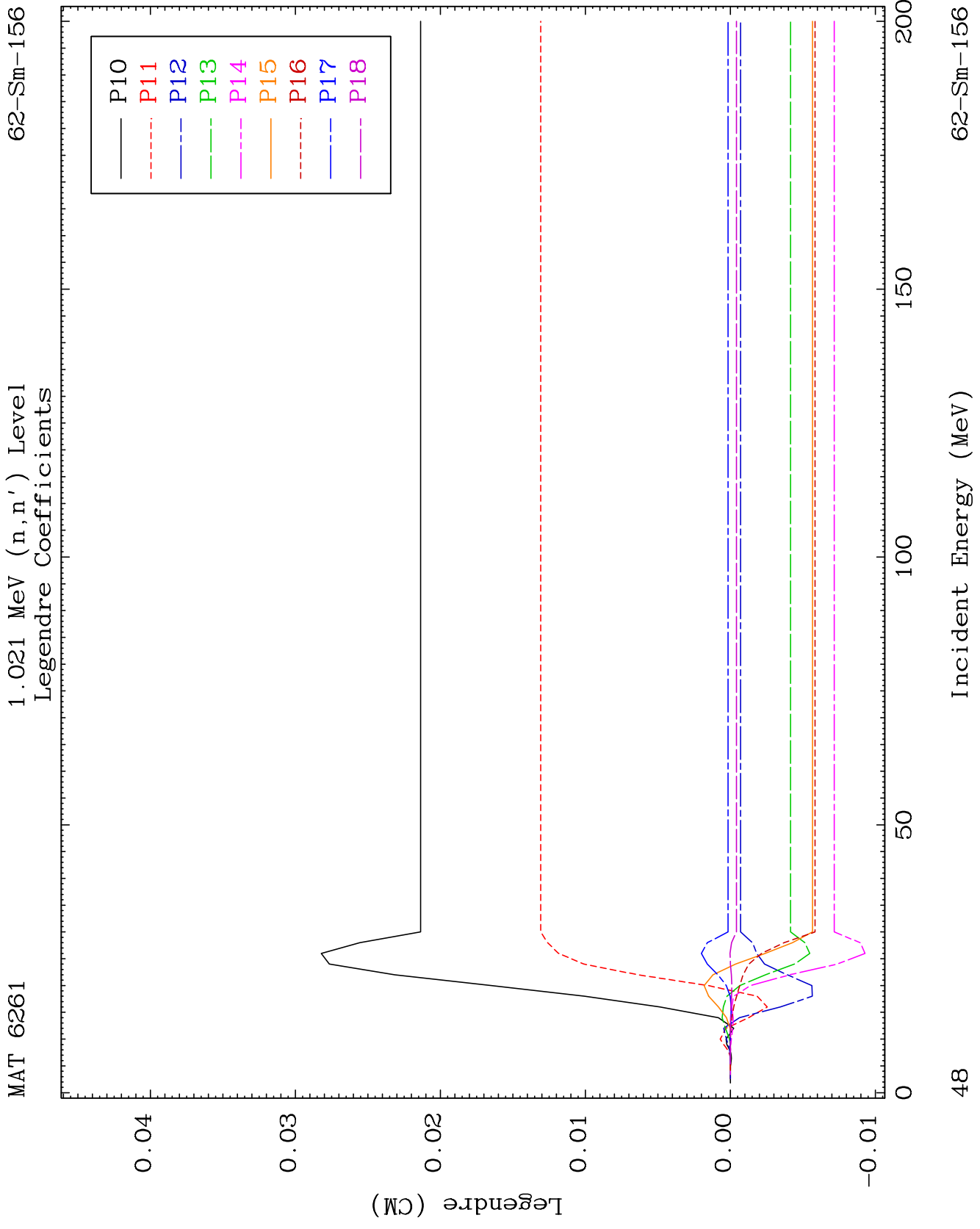


45

Incident Energy (MeV)

62-Sm-156

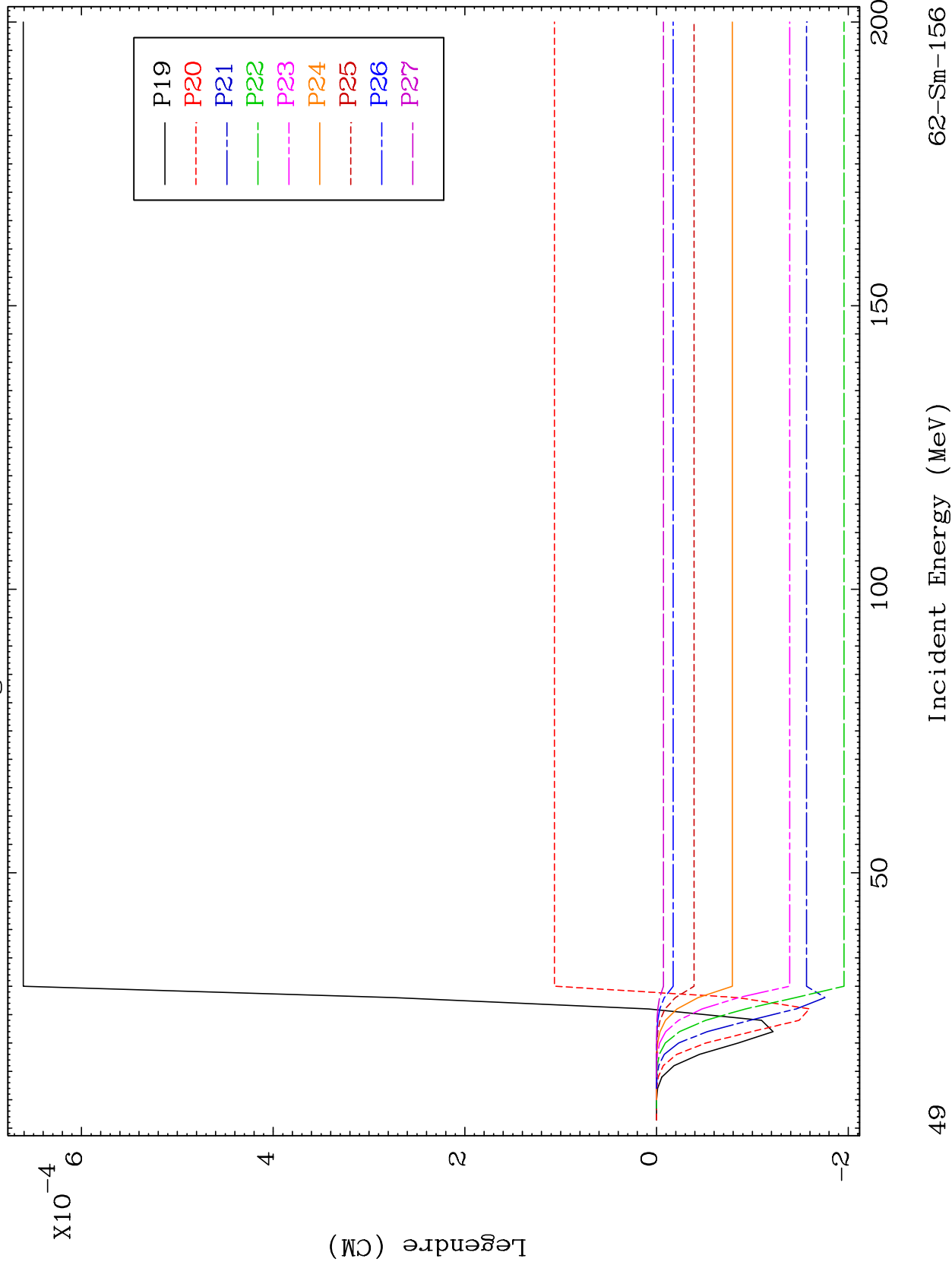




MAT 6261

1.021 MeV (n,n') Level
Legendre Coefficients

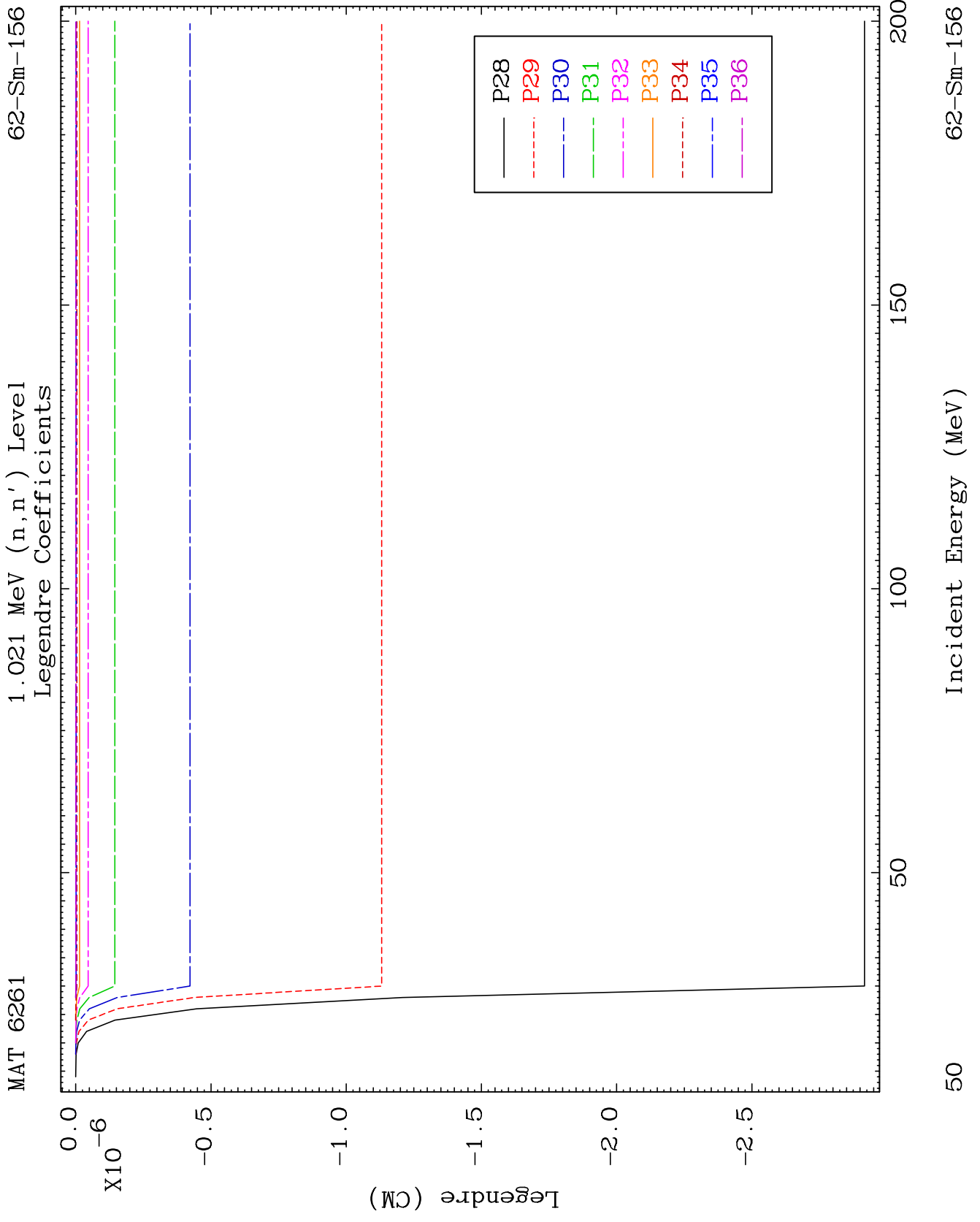
62-Sm-156

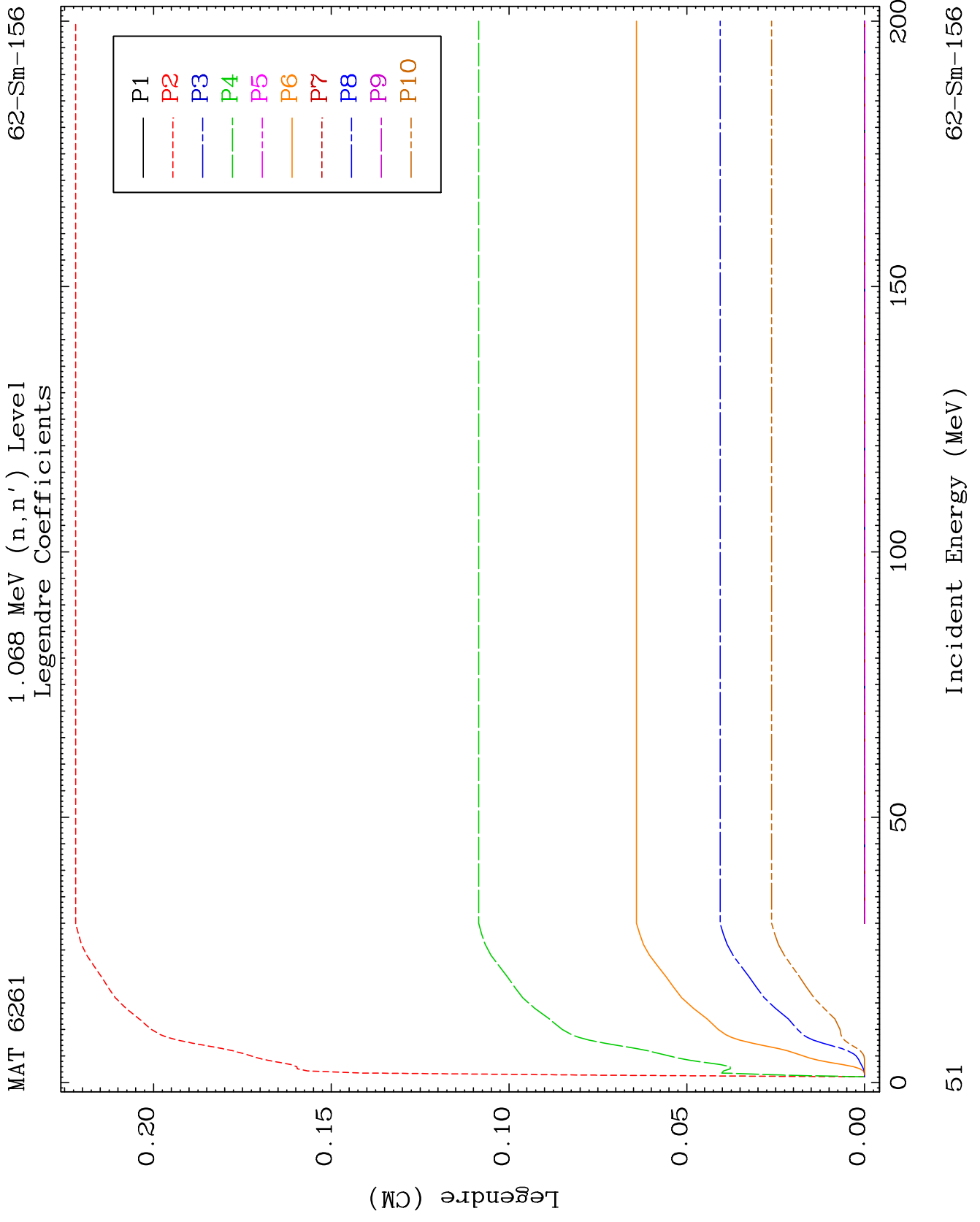


49

Incident Energy (MeV)

62-Sm-156

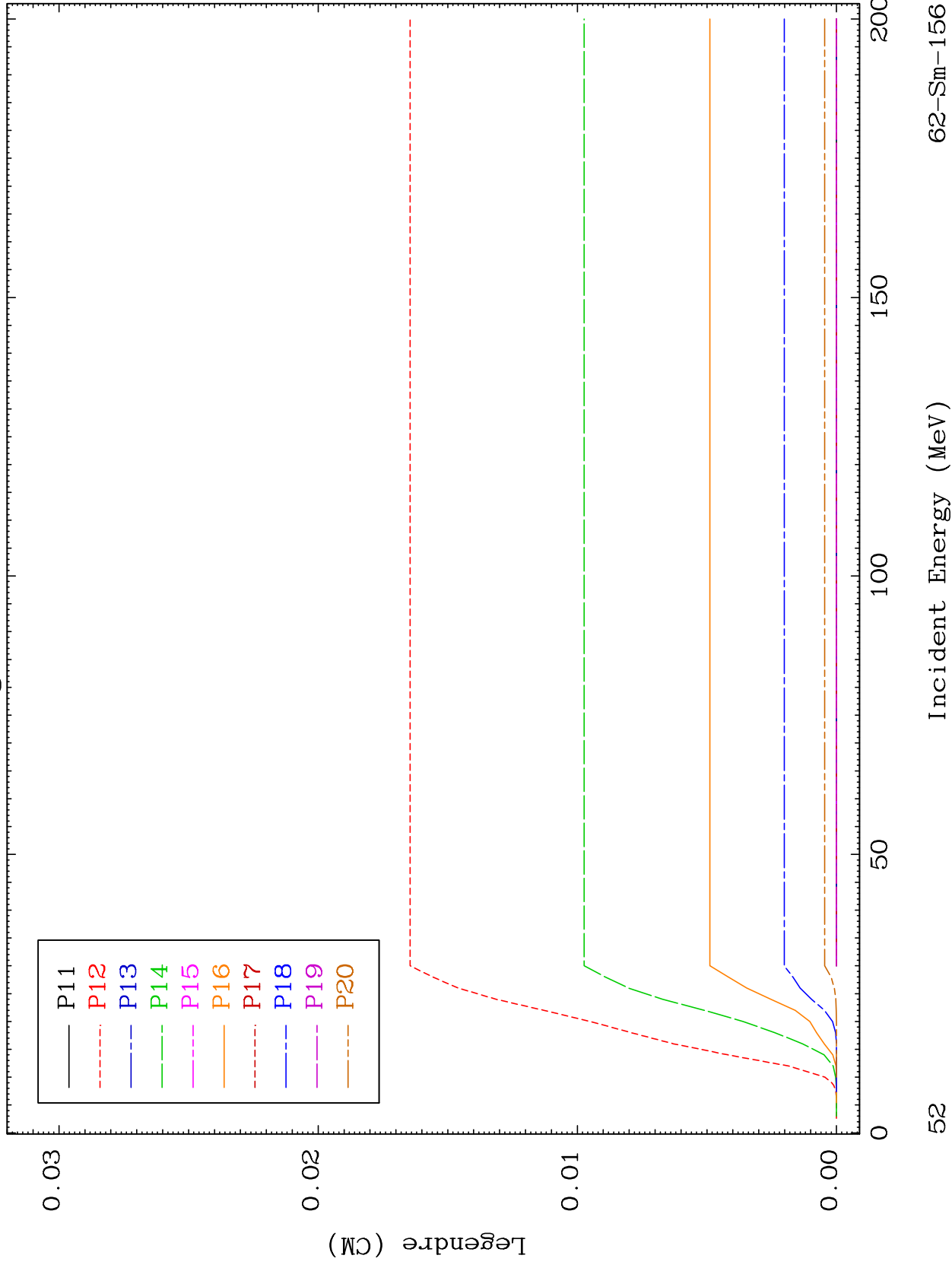




MAT 6261

1.068 MeV (n,n') Level
Legendre Coefficients

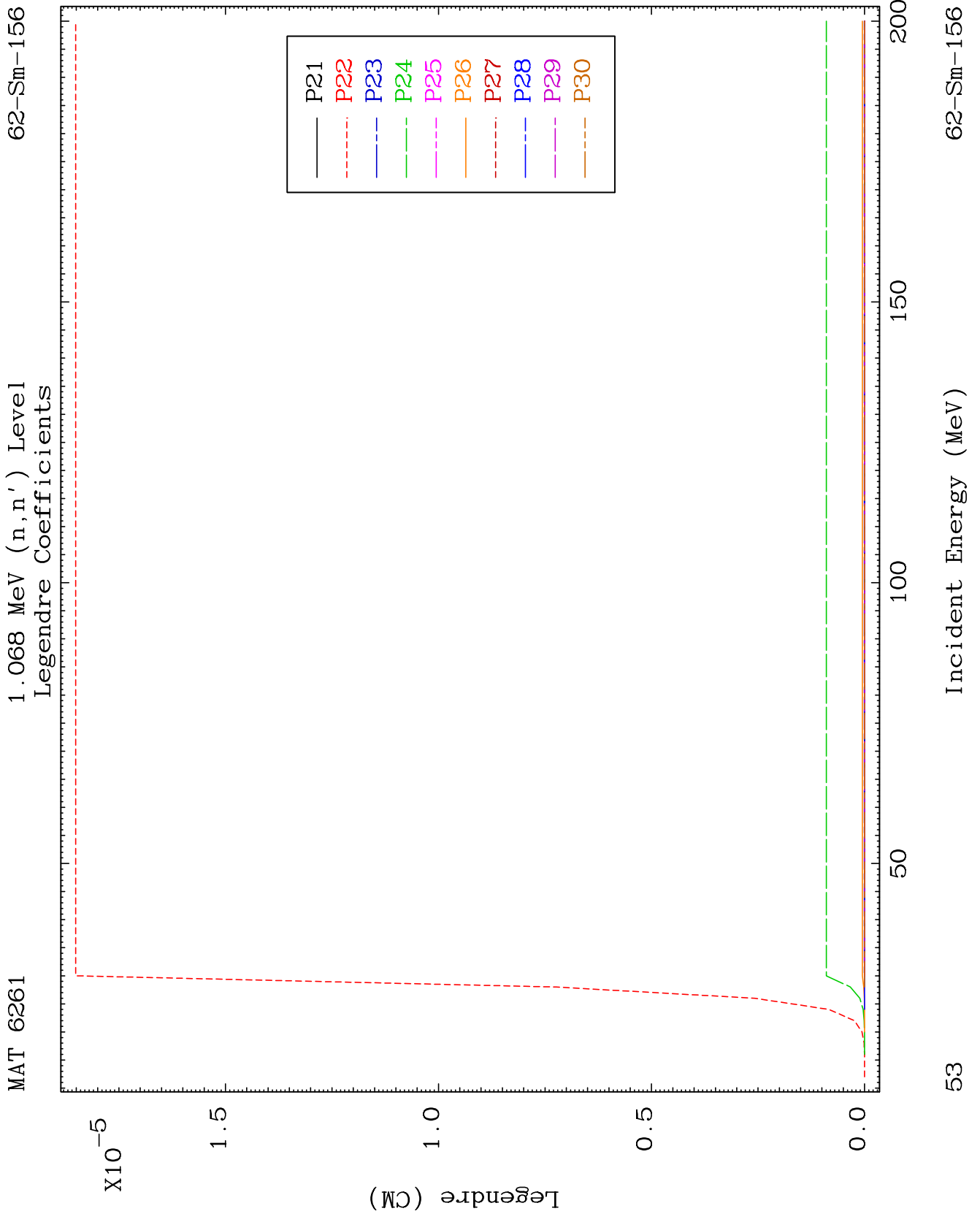
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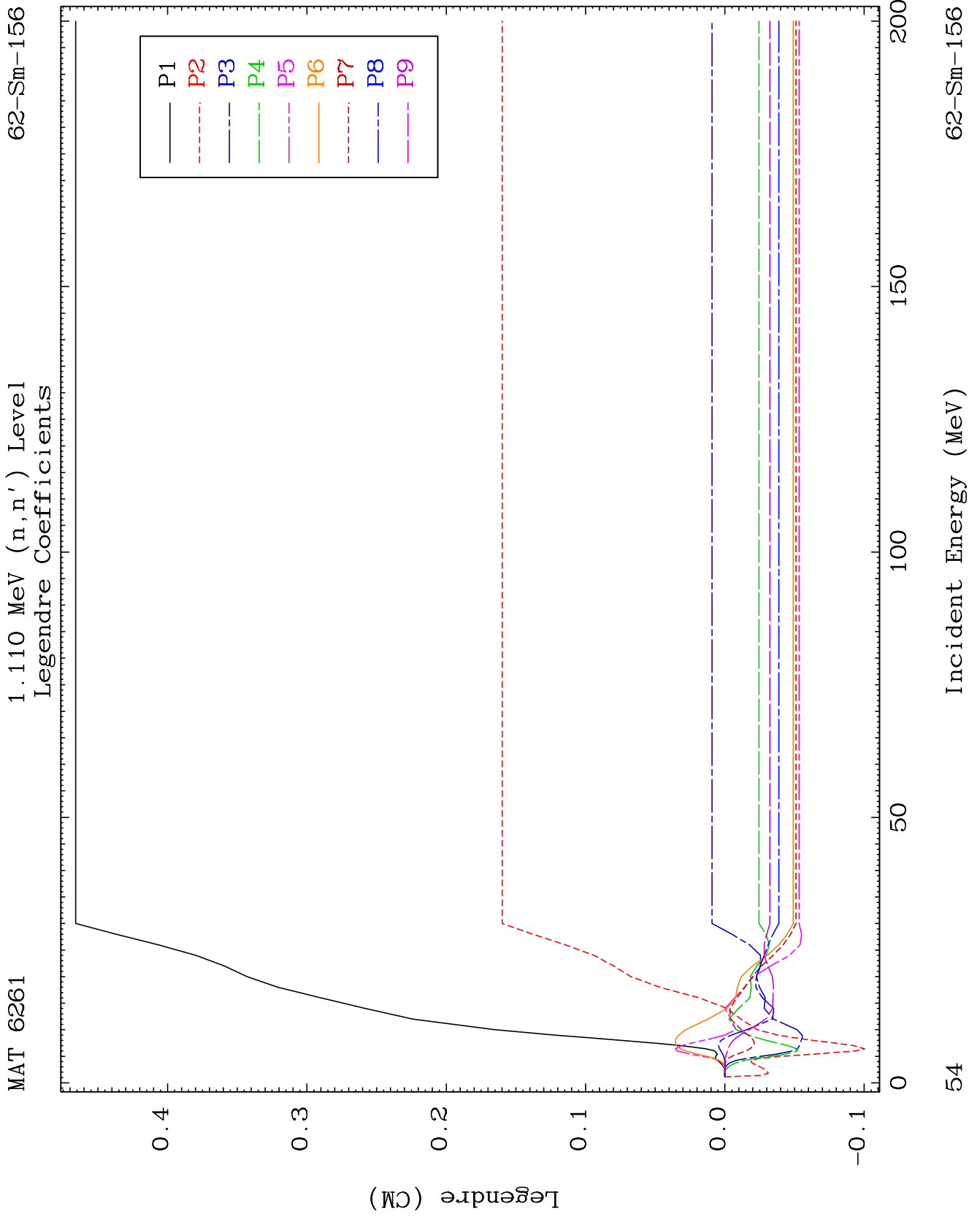


52

Incident Energy (MeV)

62-Sm-156

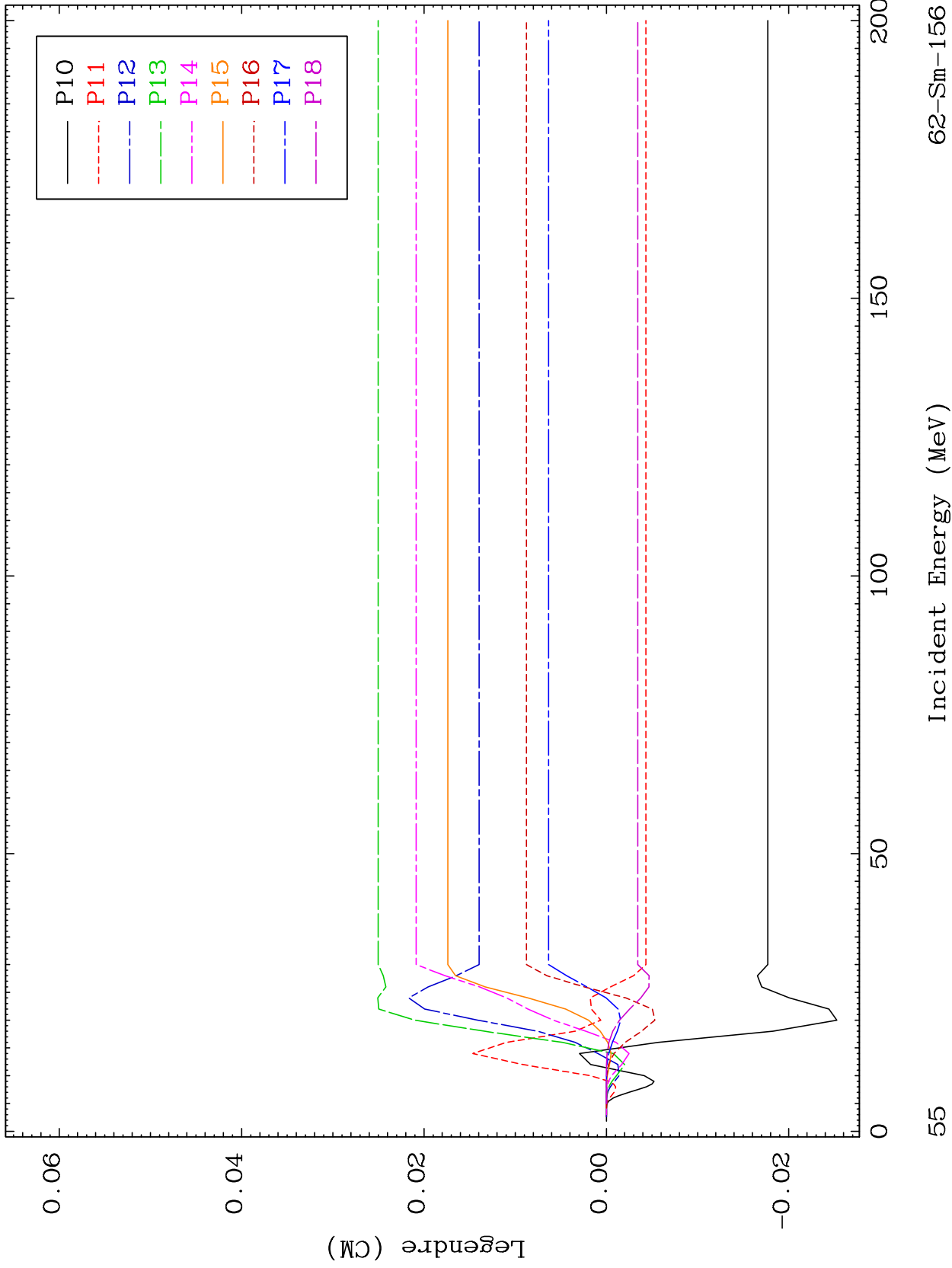




MAT 6261

1.110 MeV (n,n') Level
Legendre Coefficients

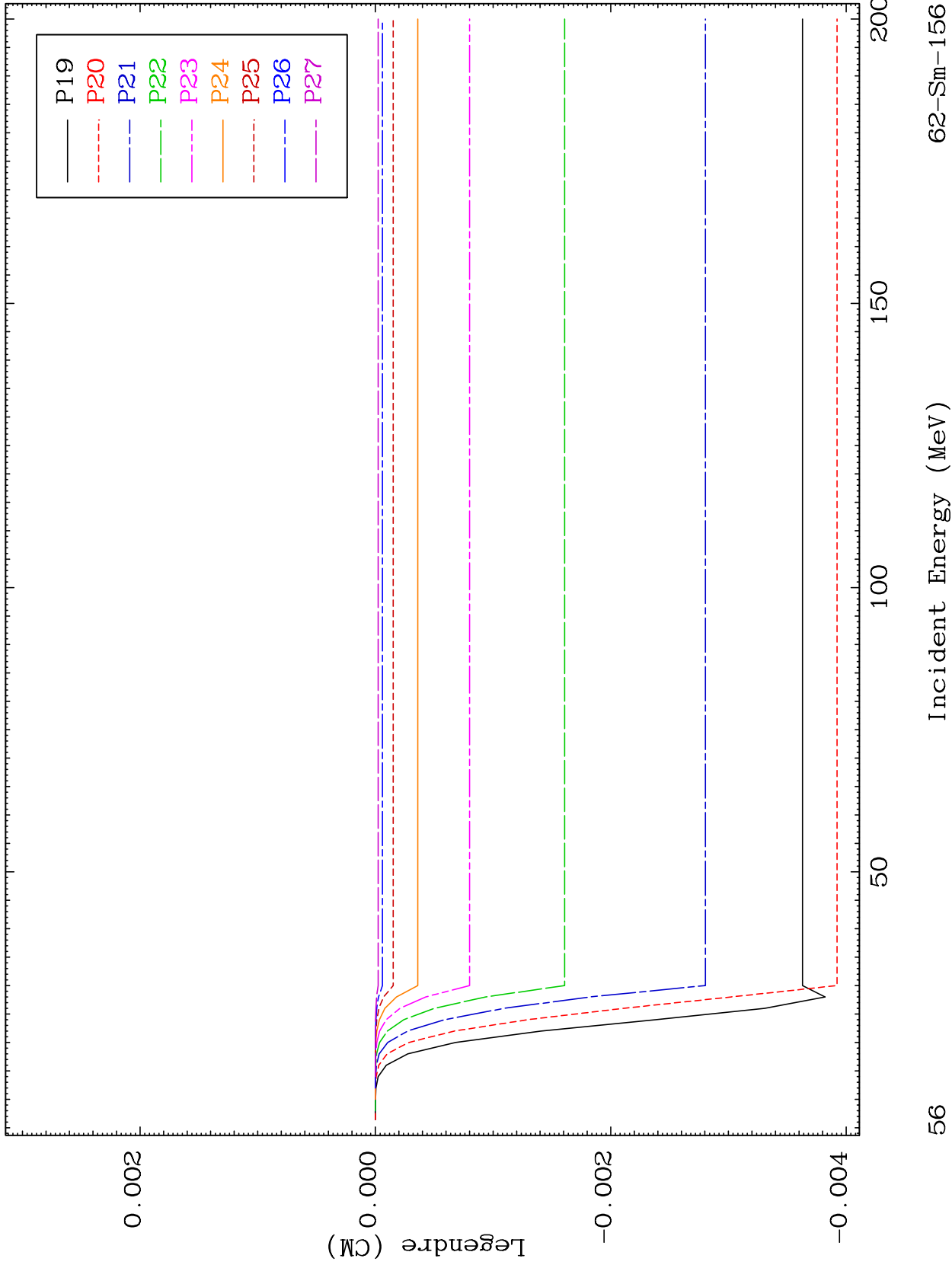
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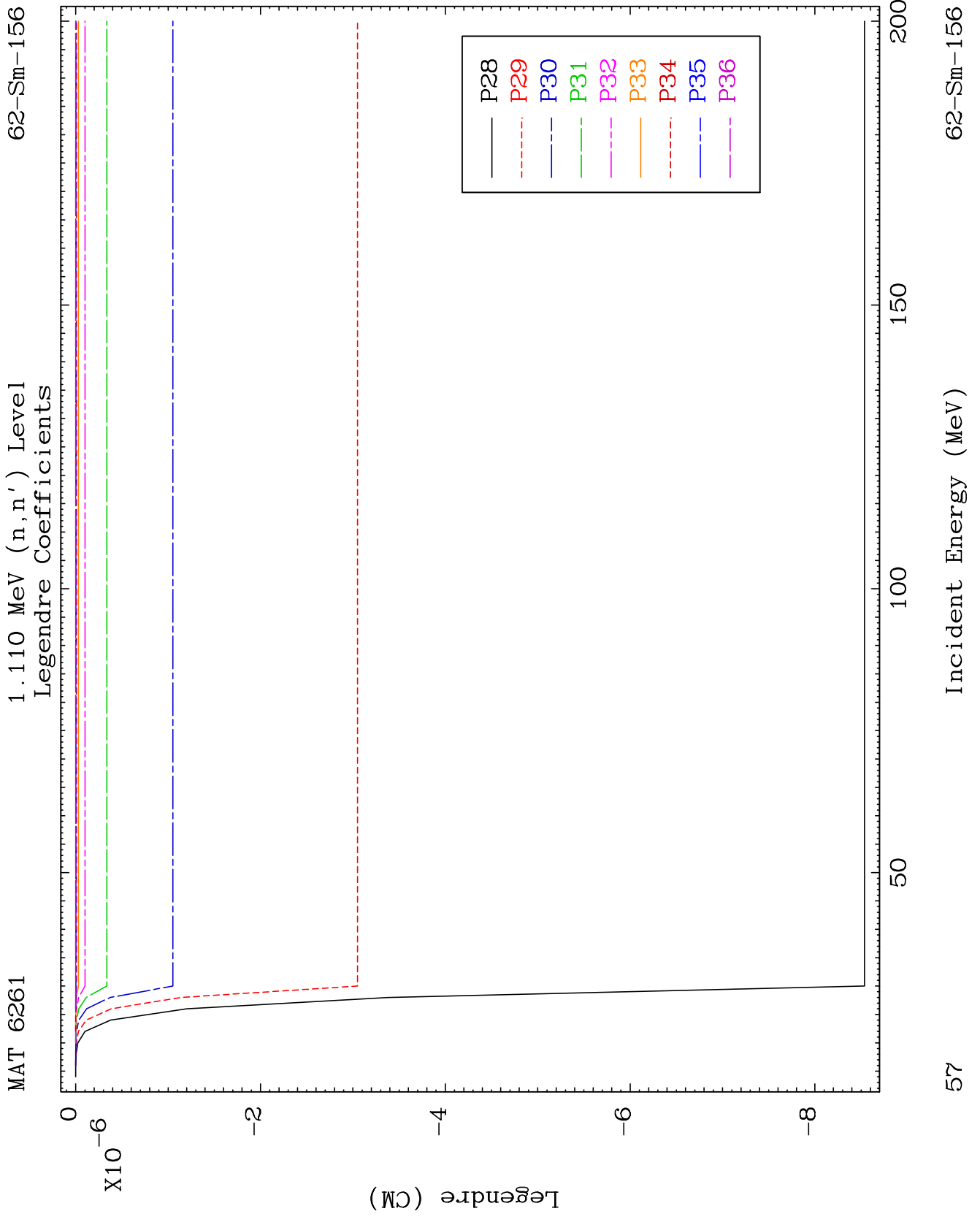


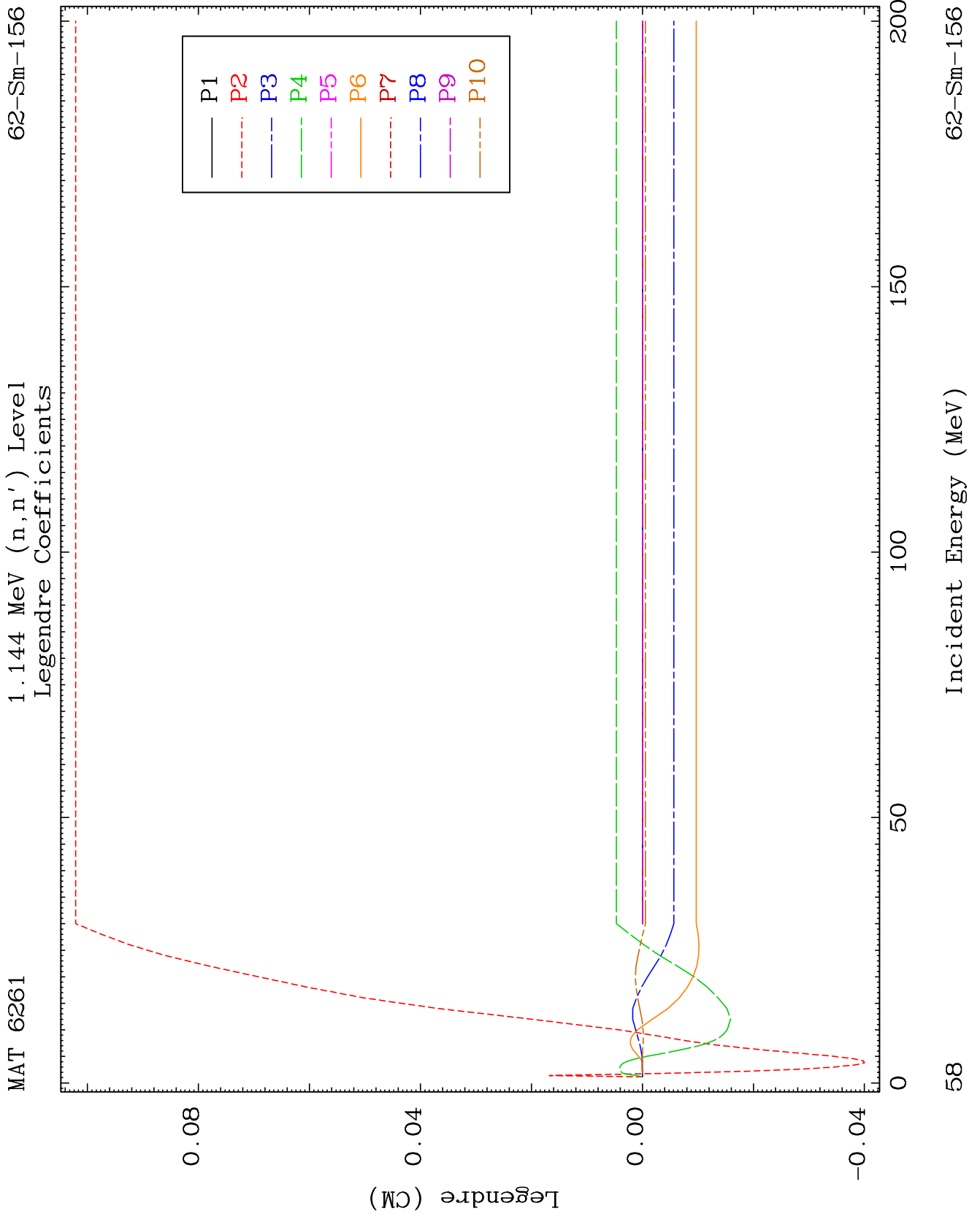
62-Sm-156

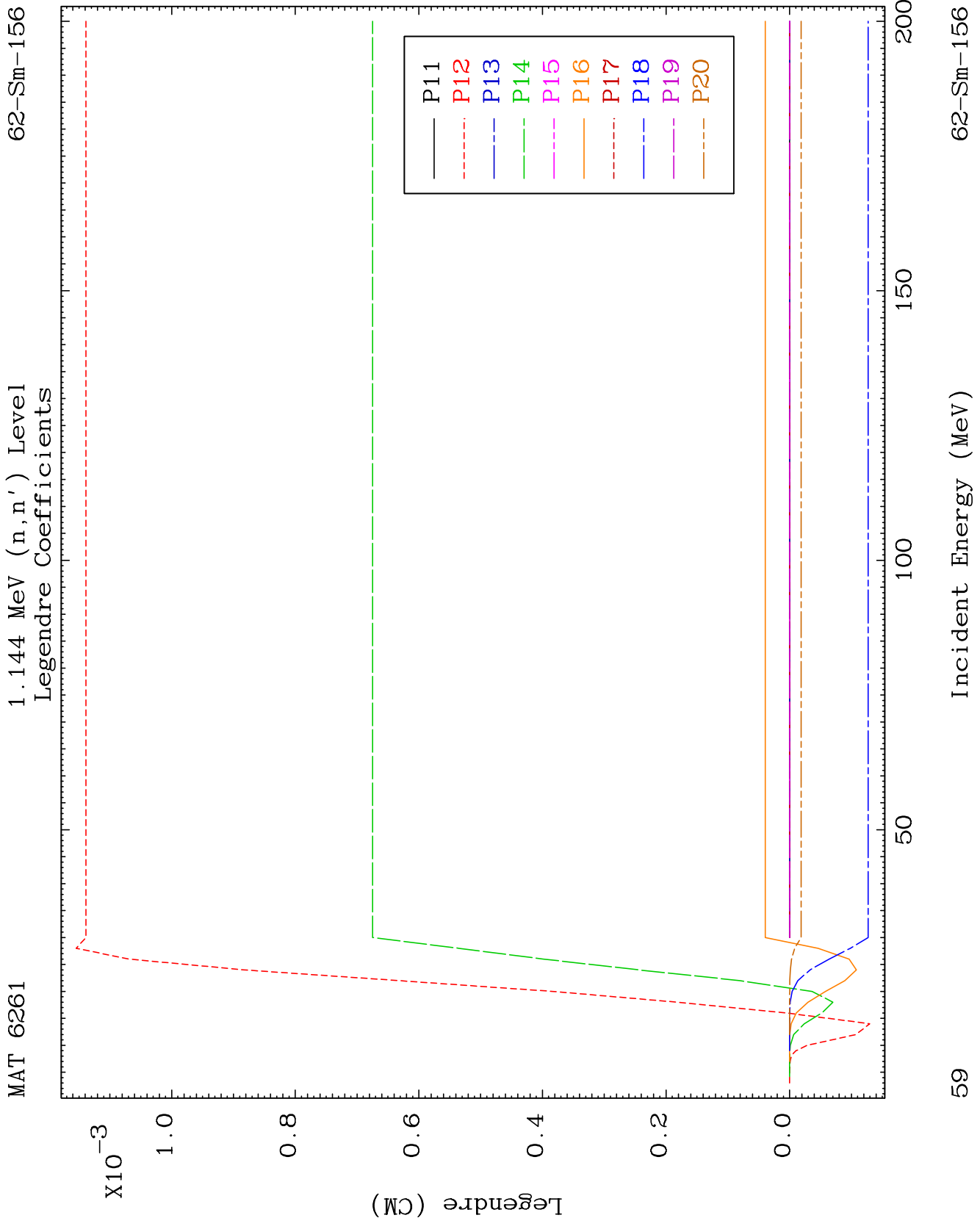
Incident Energy (MeV)

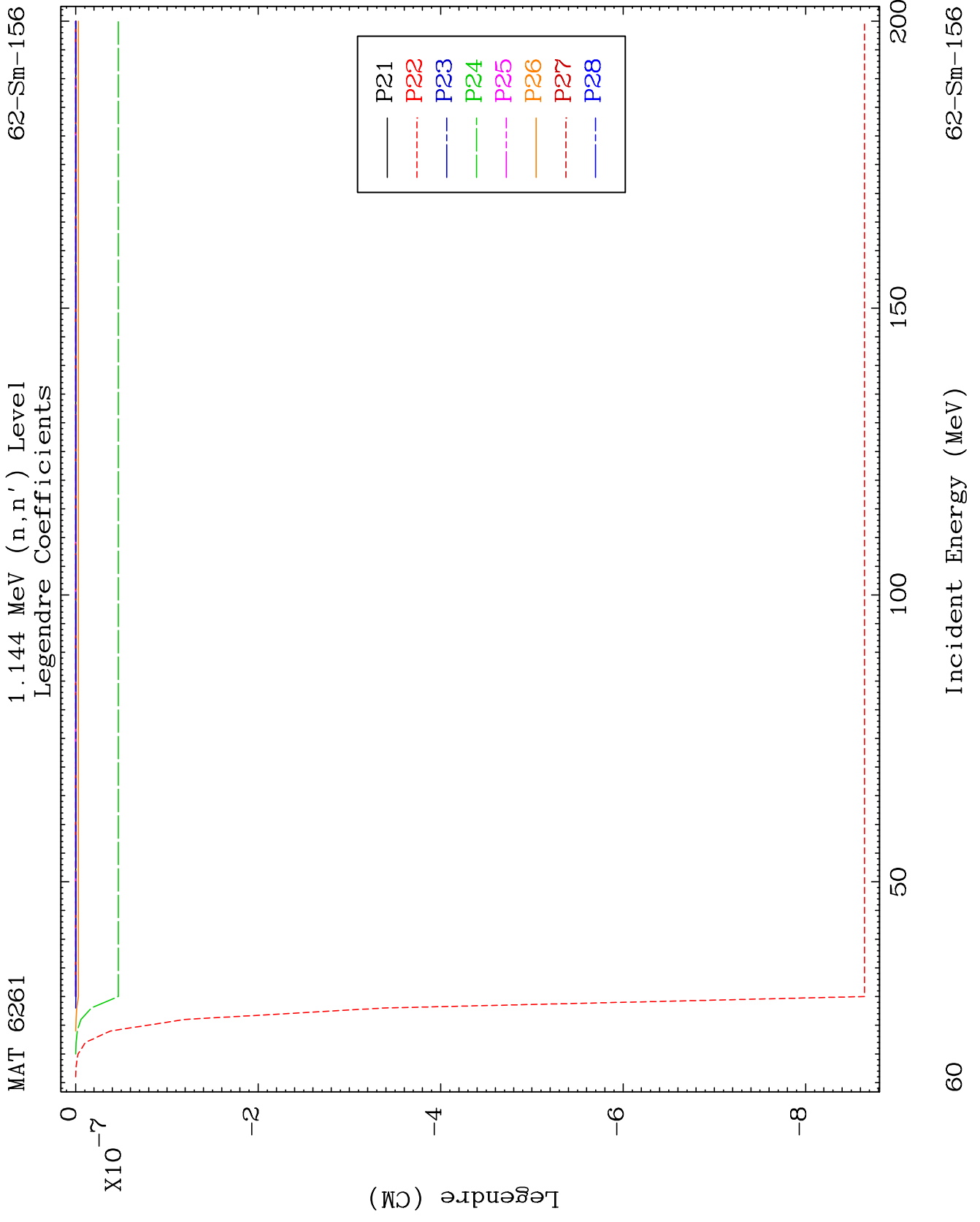
55

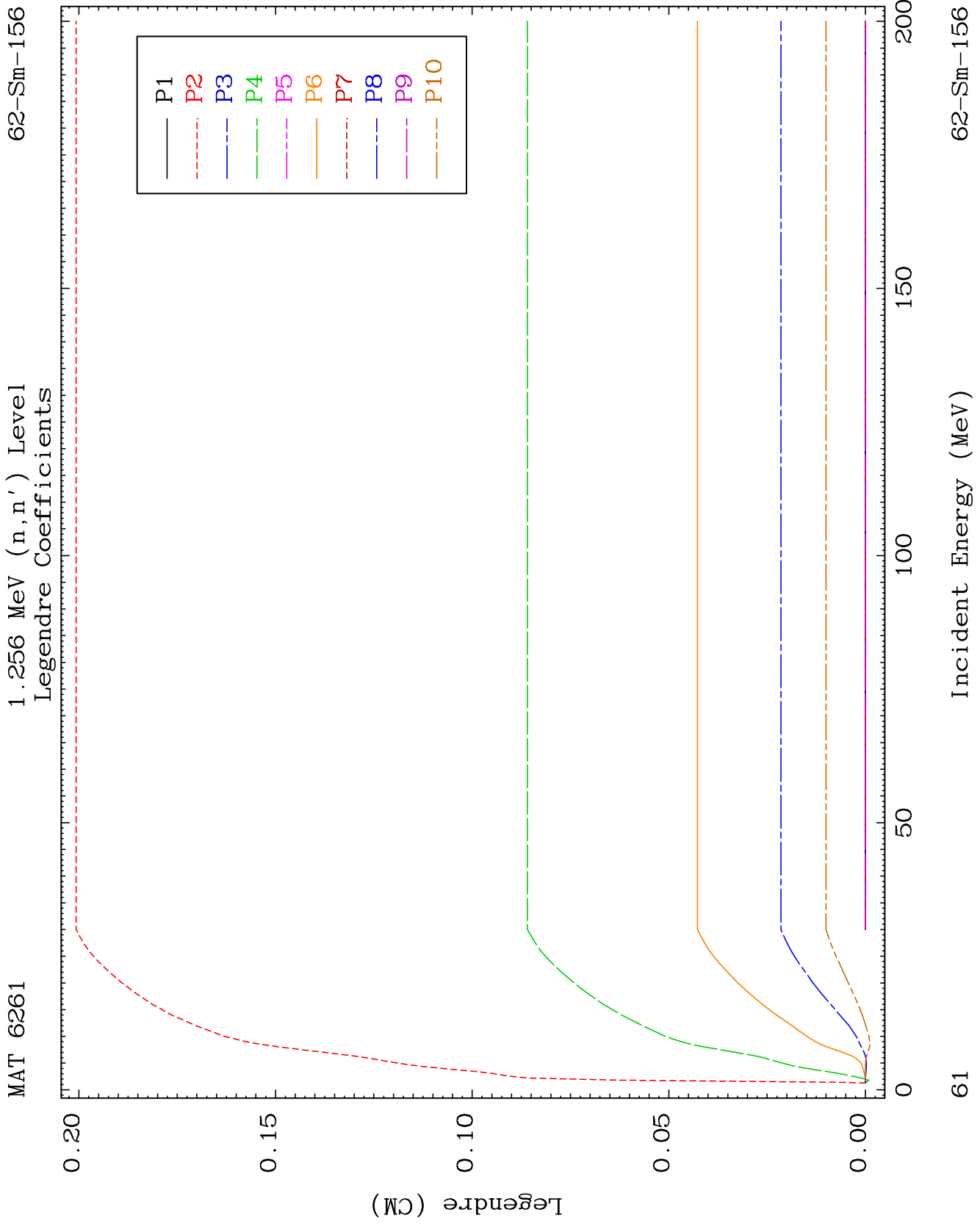


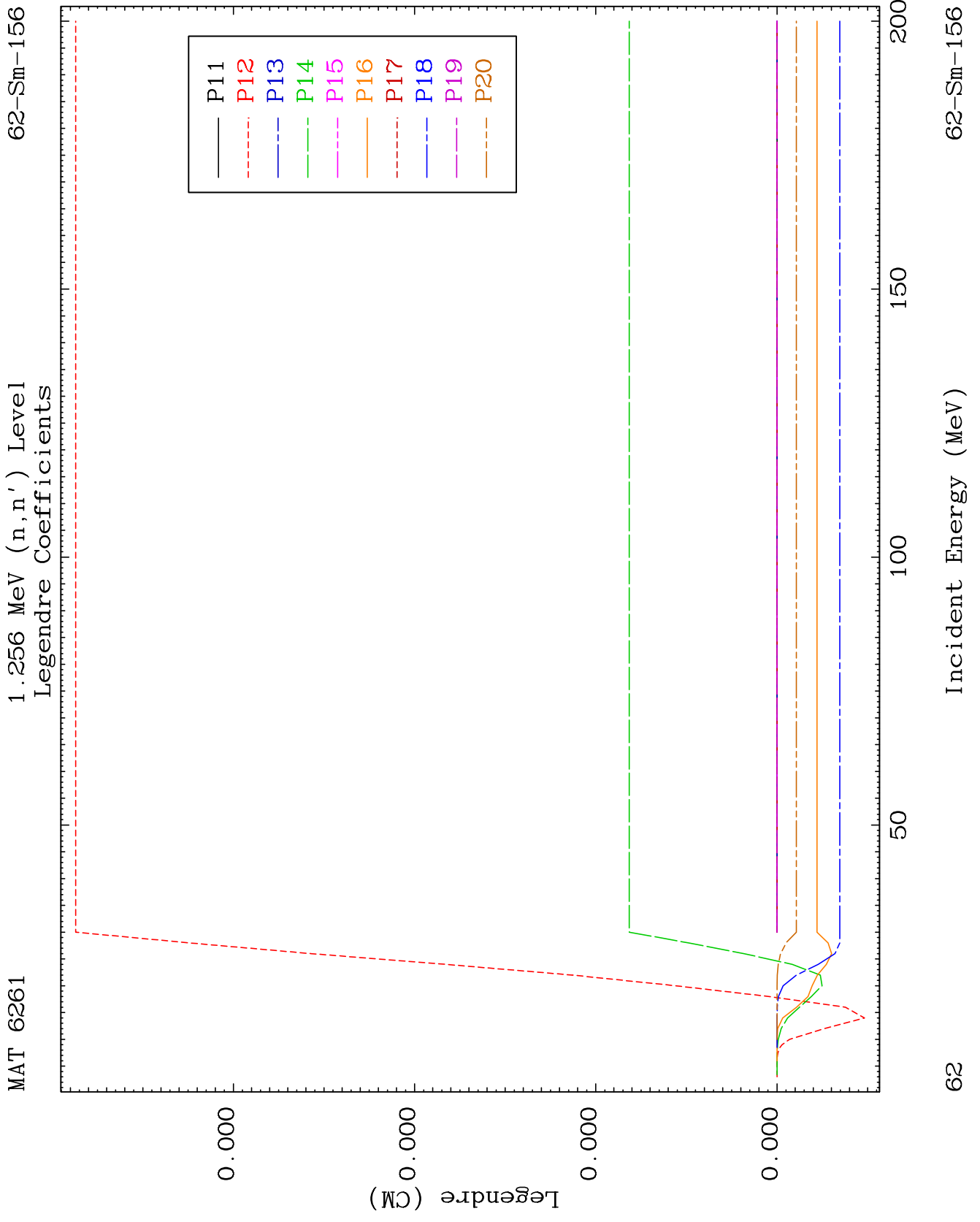


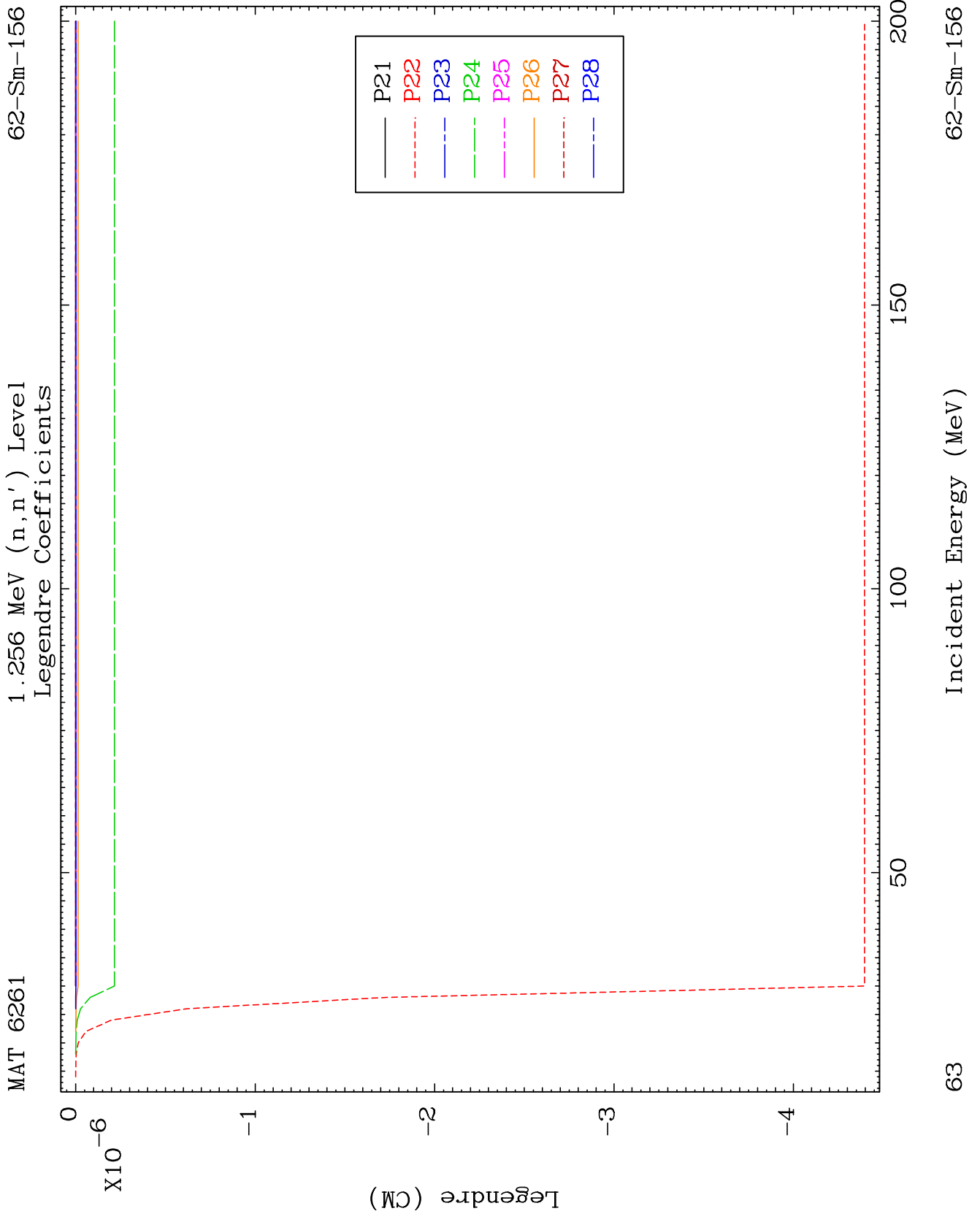








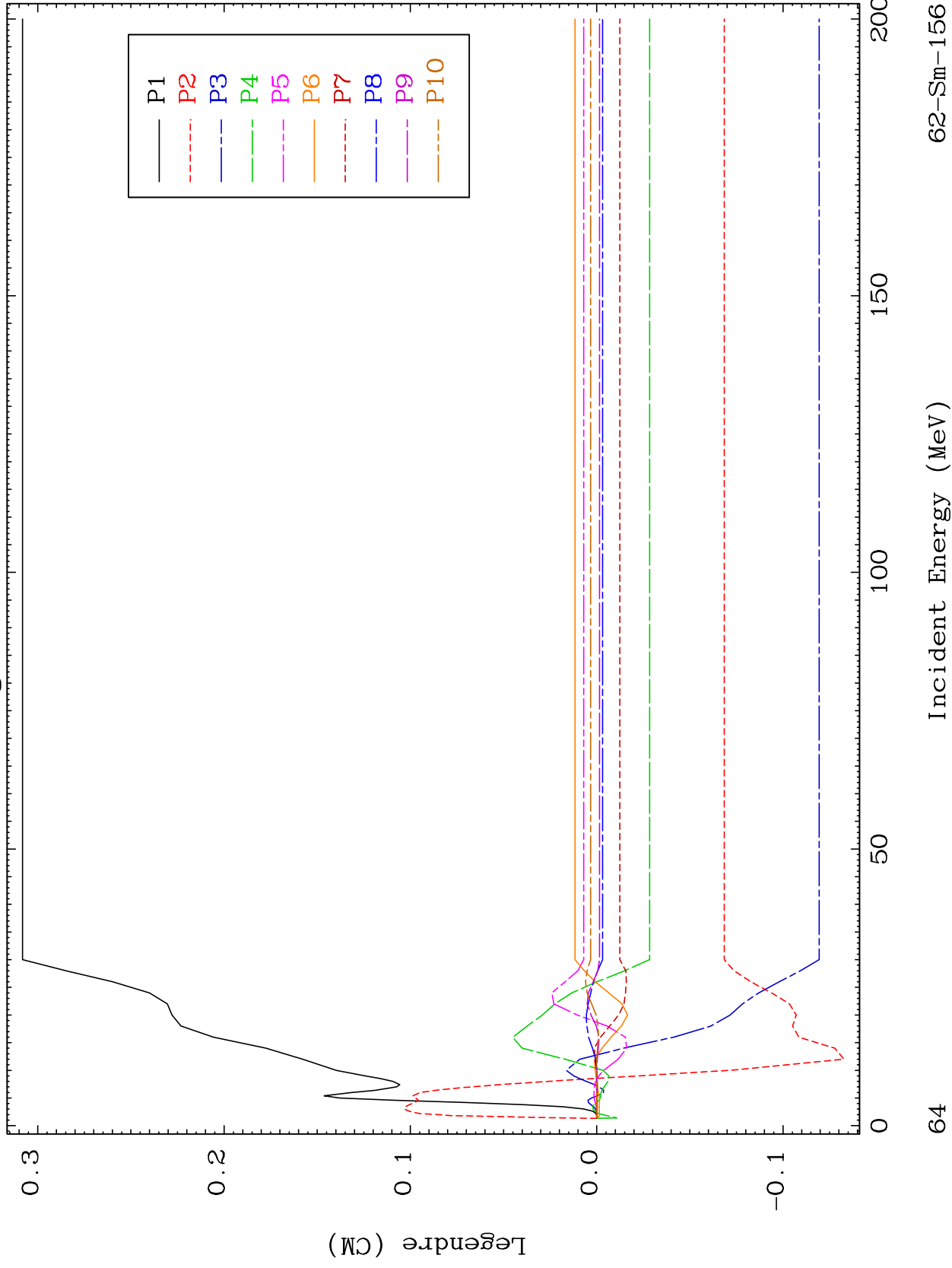




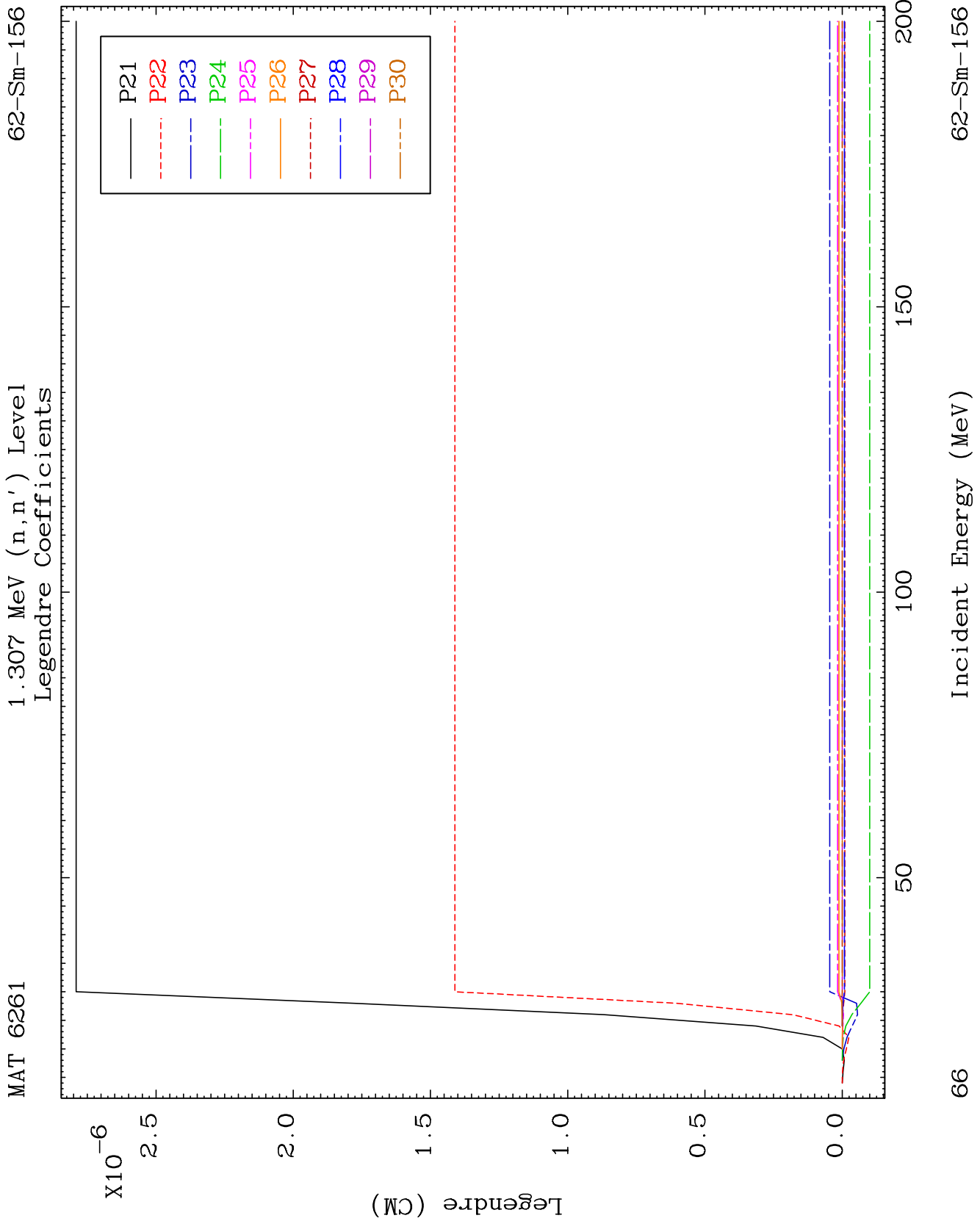
MAT 6261

1.307 MeV (n,n') Level
Legendre Coefficients

62-Sm-156



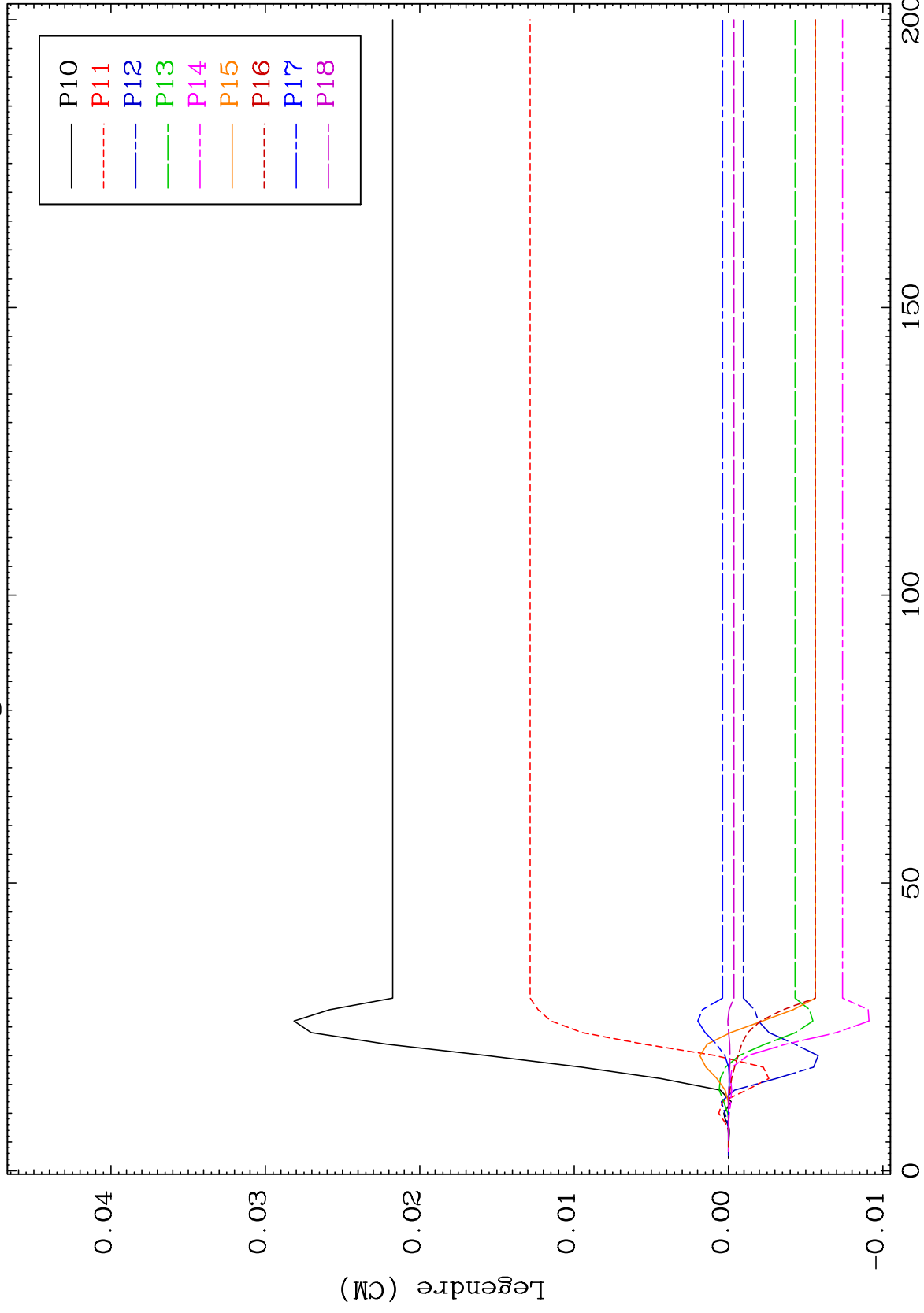
64



MAT 6261

1.398 MeV (n,n') Level
Legendre Coefficients

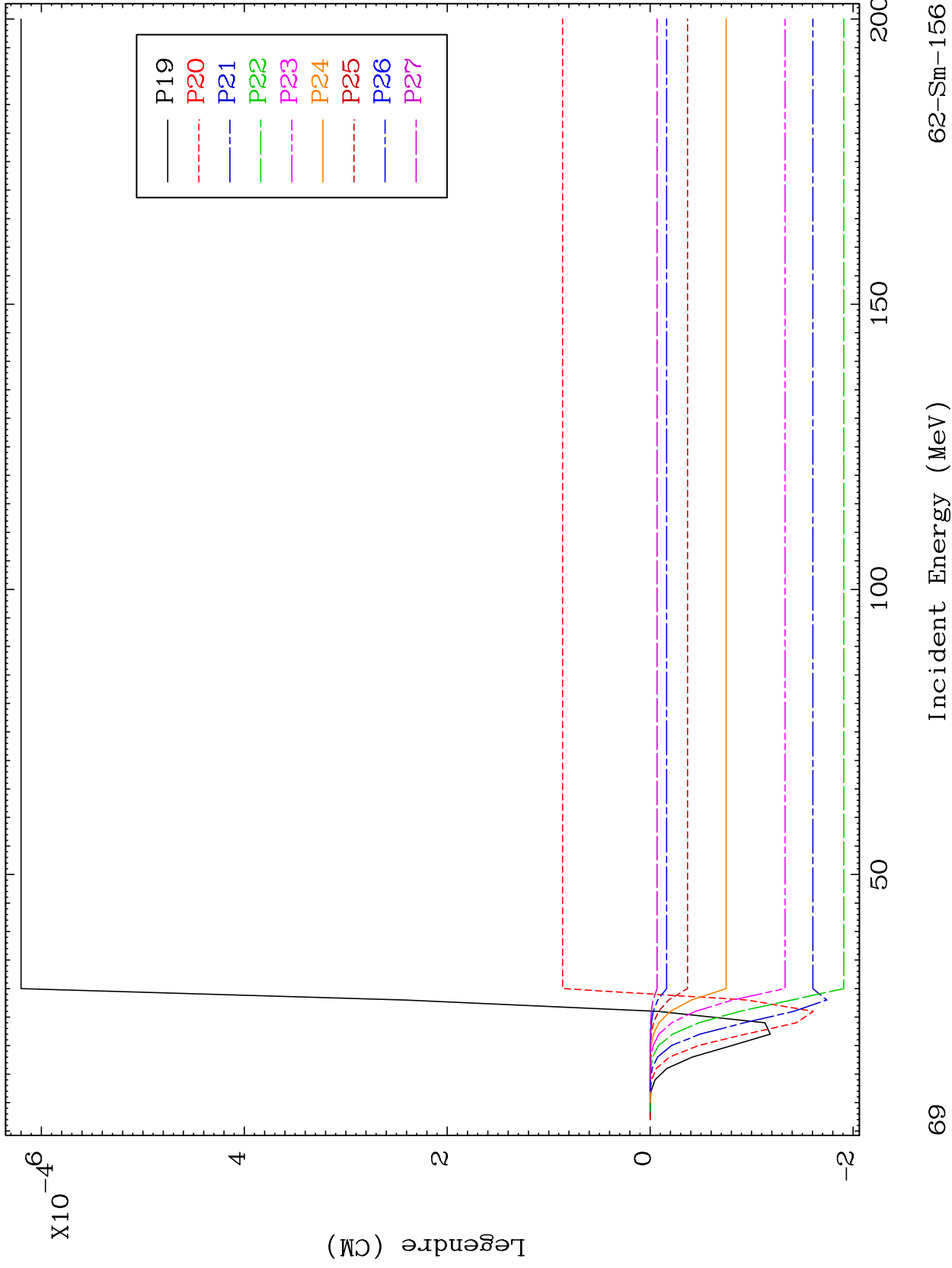
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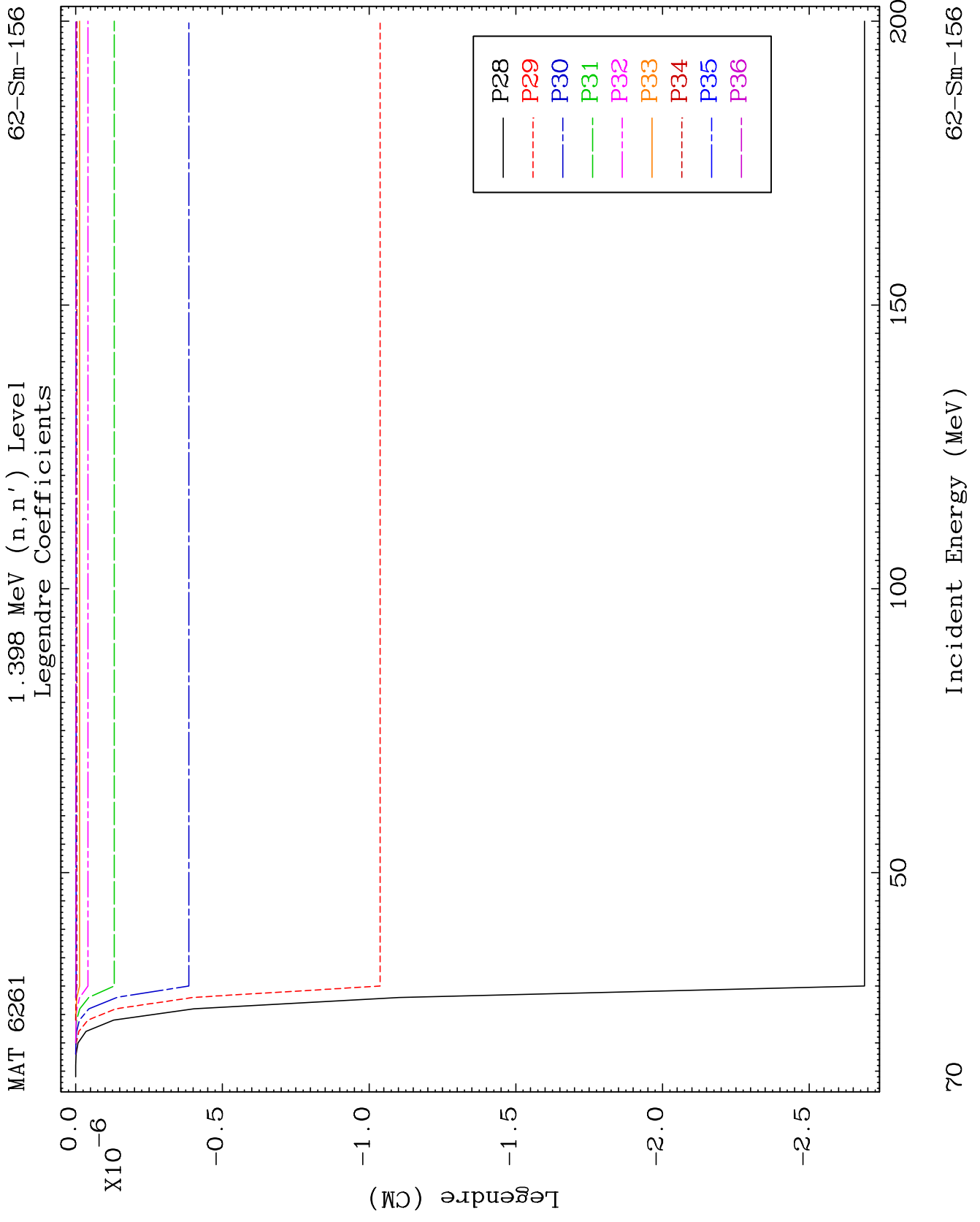


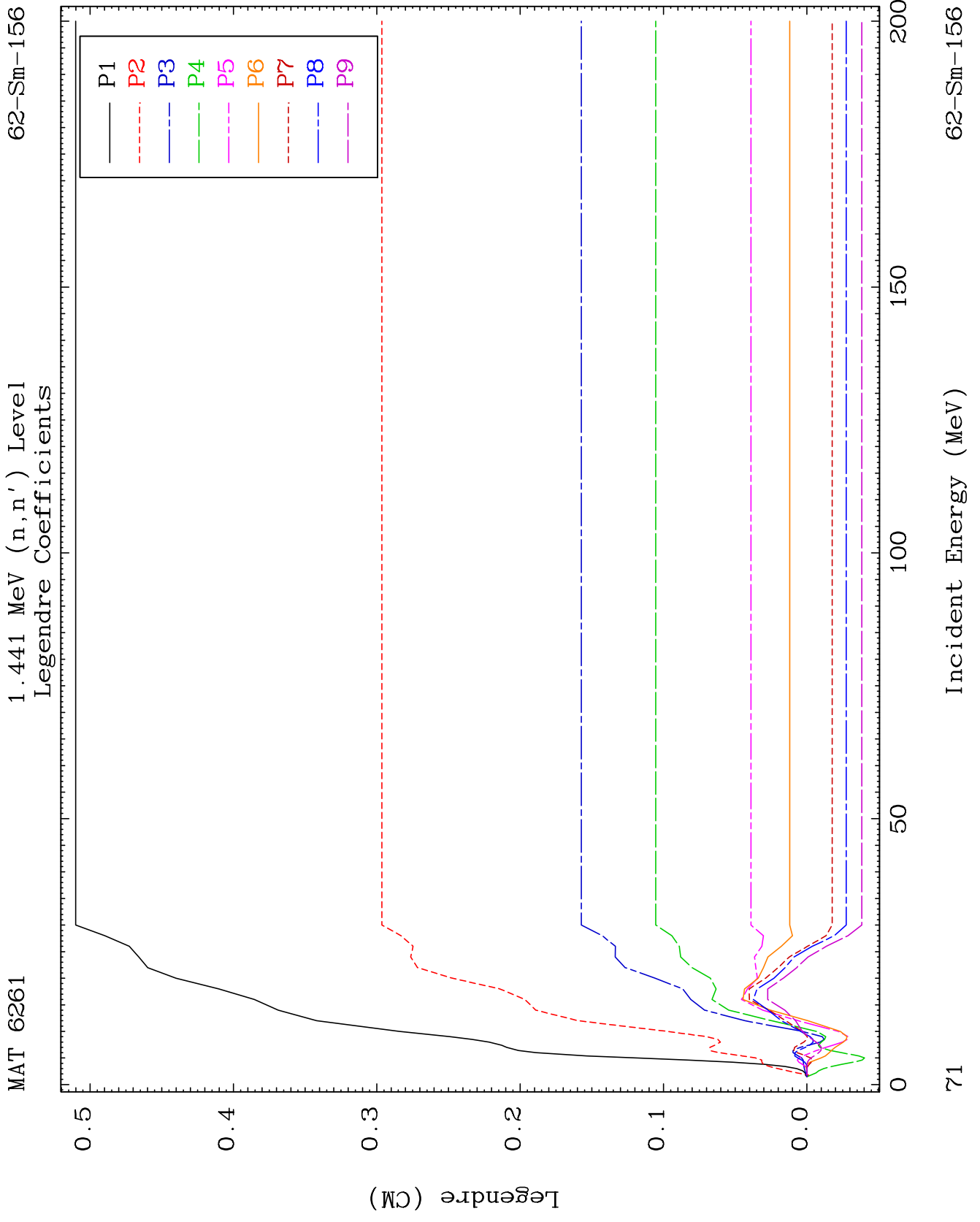
62-Sm-156

Incident Energy (MeV)

68



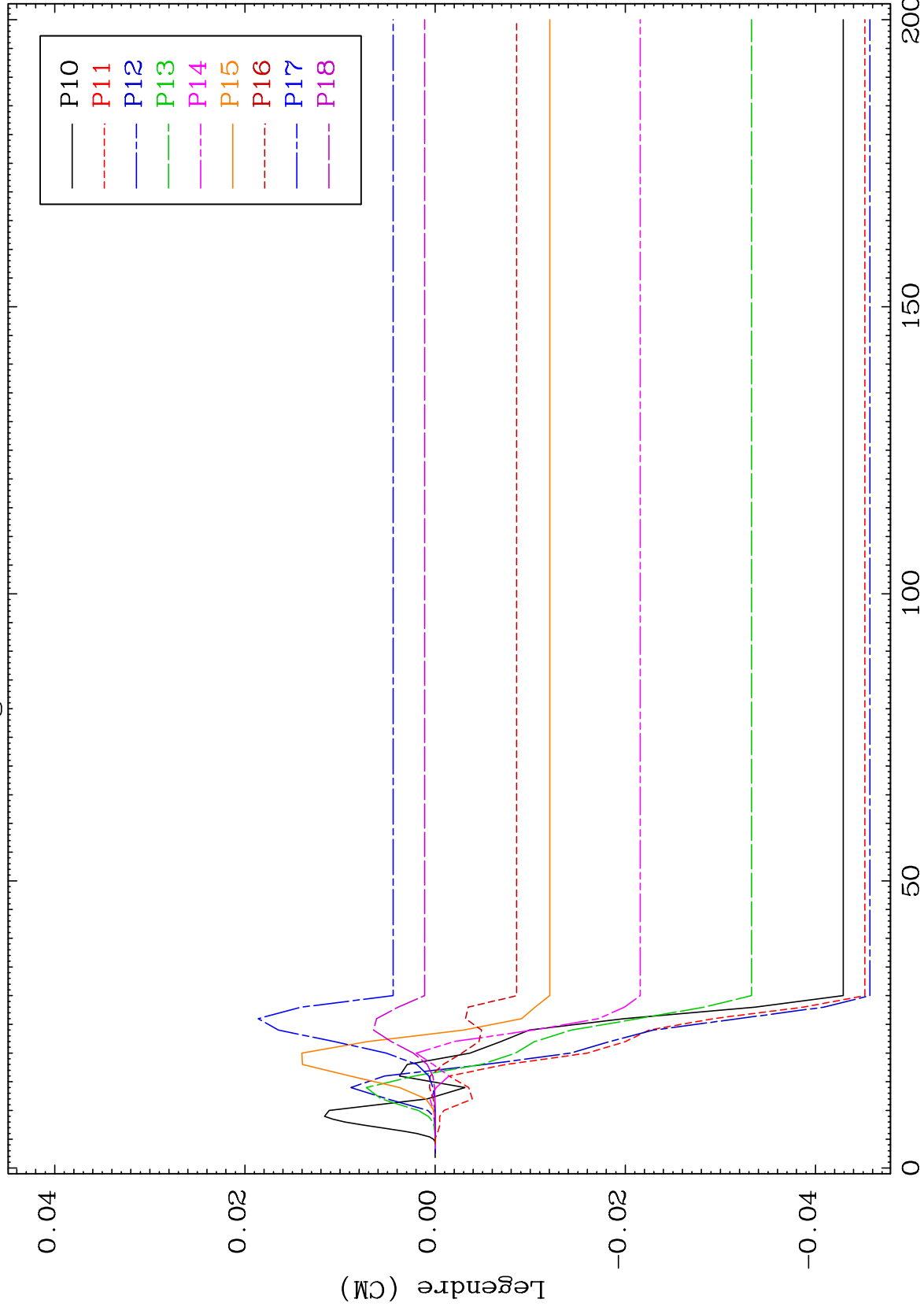




MAT 6261

1.441 MeV (n,n') Level
Legendre Coefficients

62-Sm-156



72

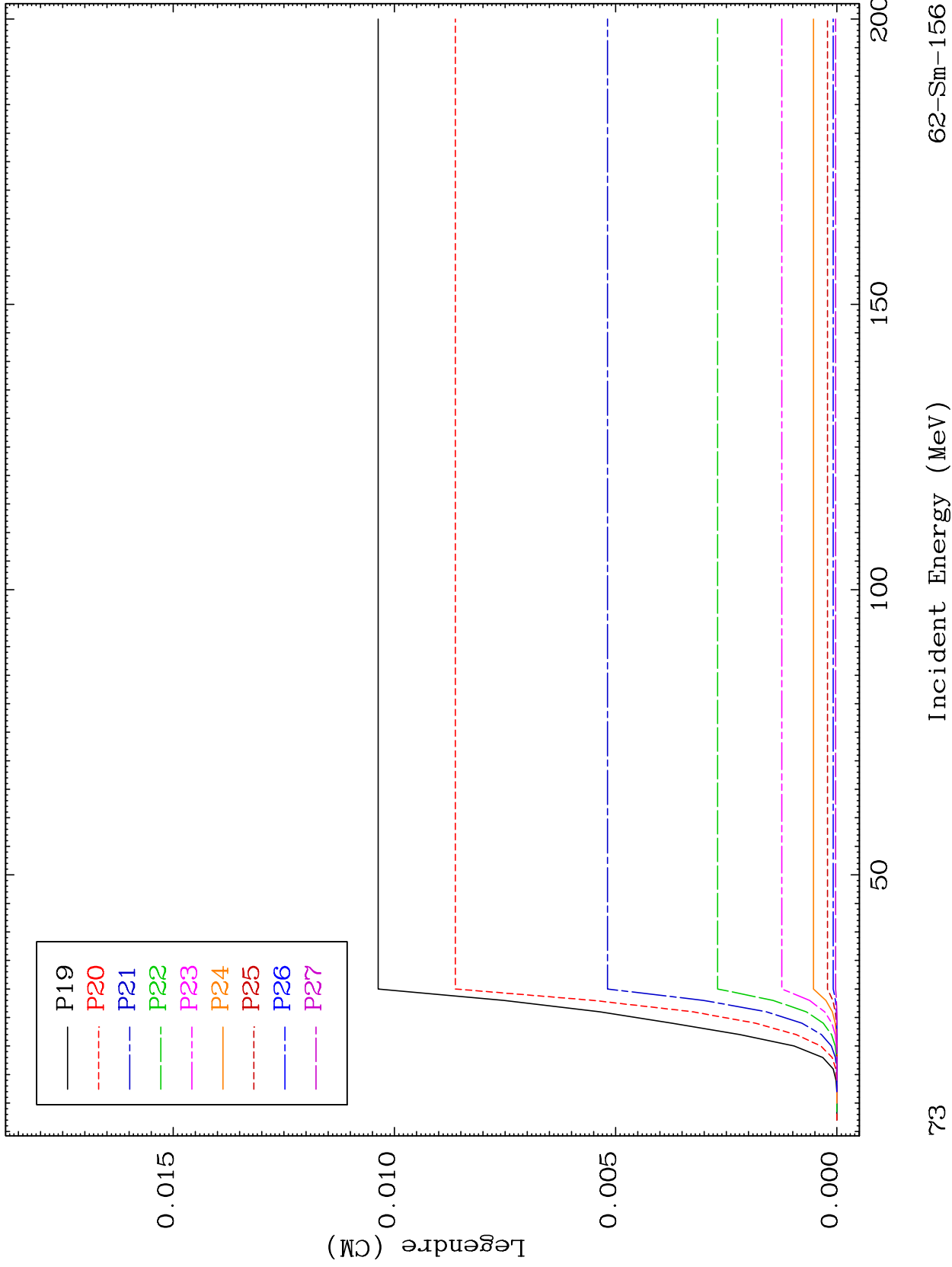
Incident Energy (MeV)

62-Sm-156

MAT 6261

1.441 MeV (n,n') Level
Legendre Coefficients

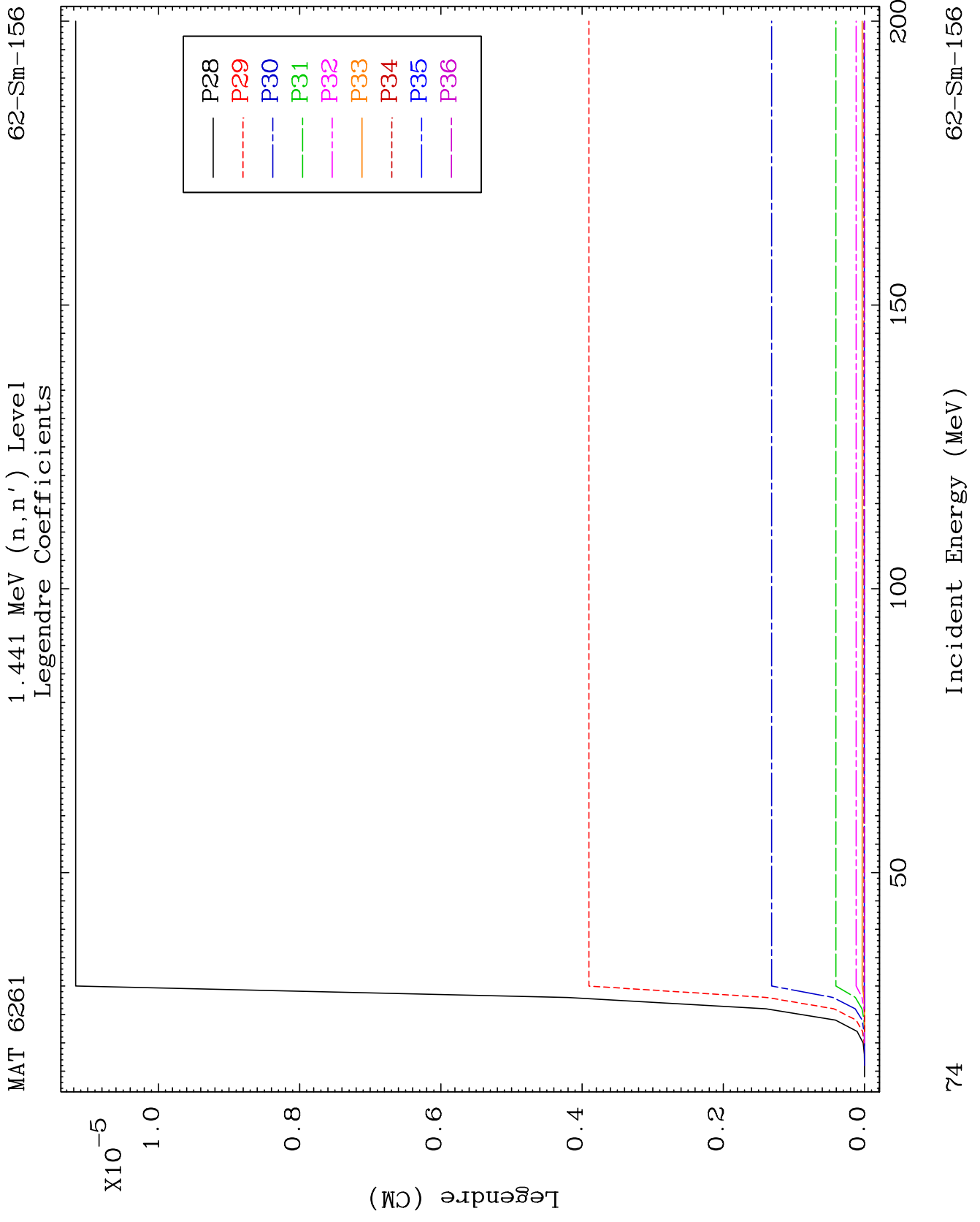
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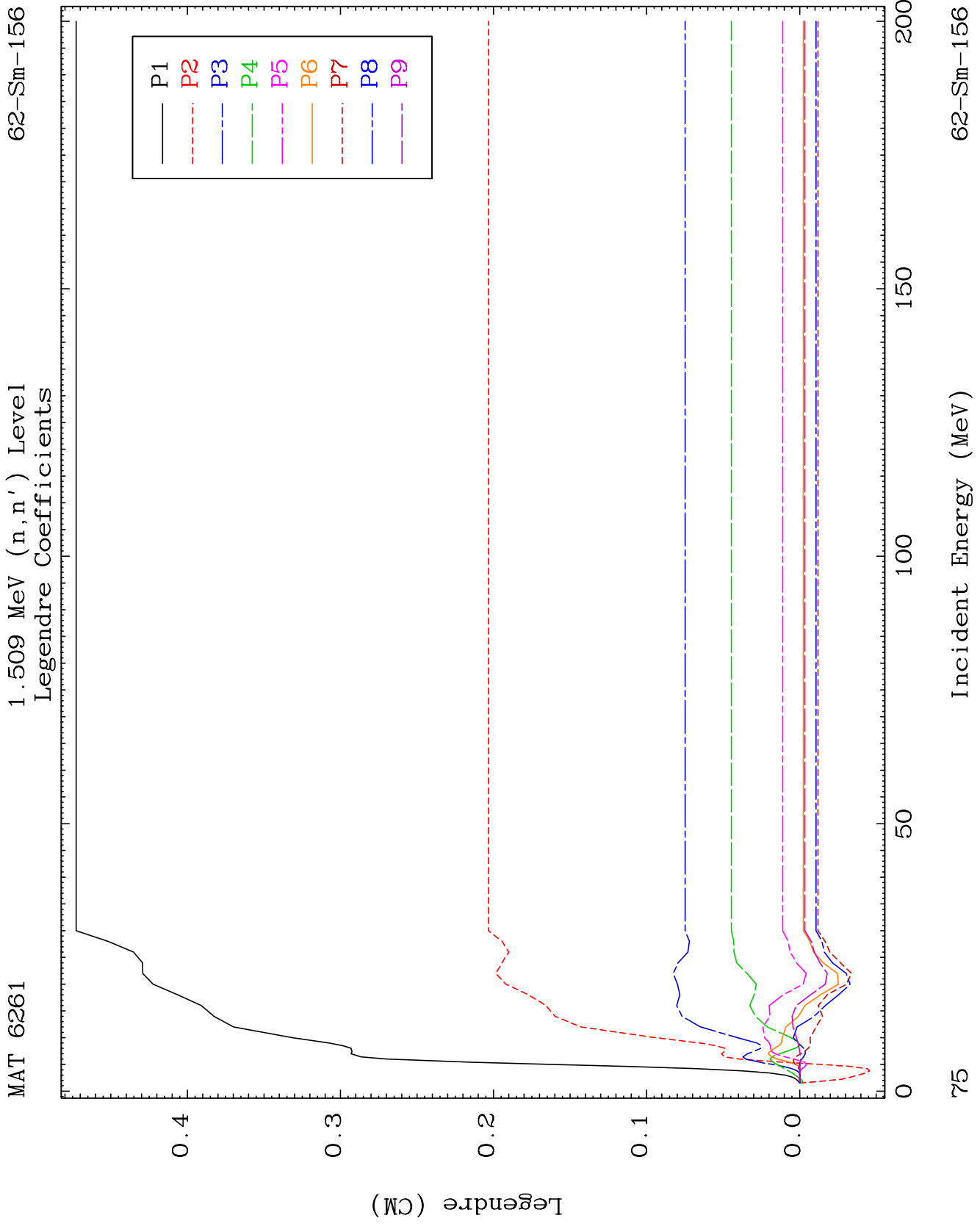


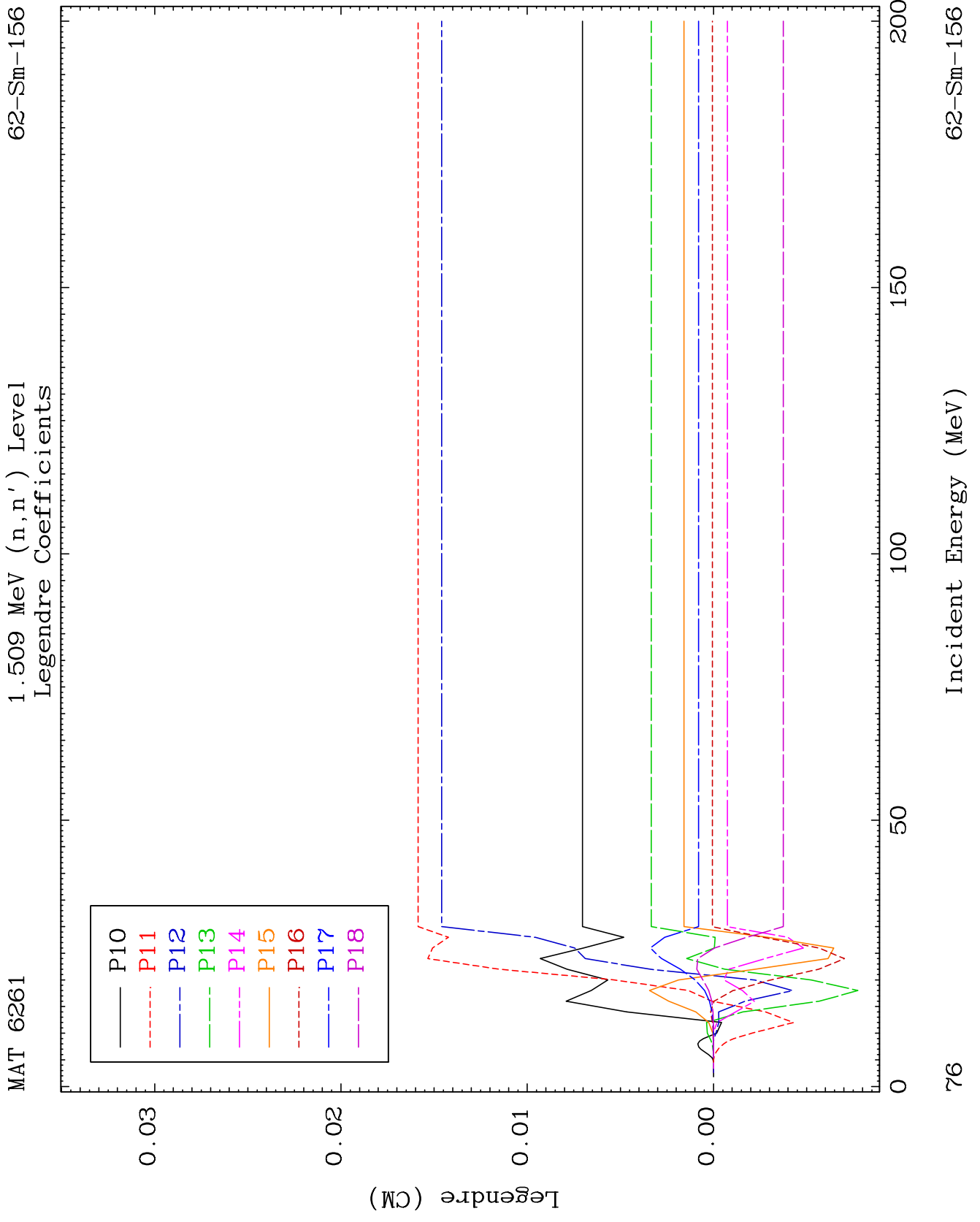
73

Incident Energy (MeV)

62-Sm-156



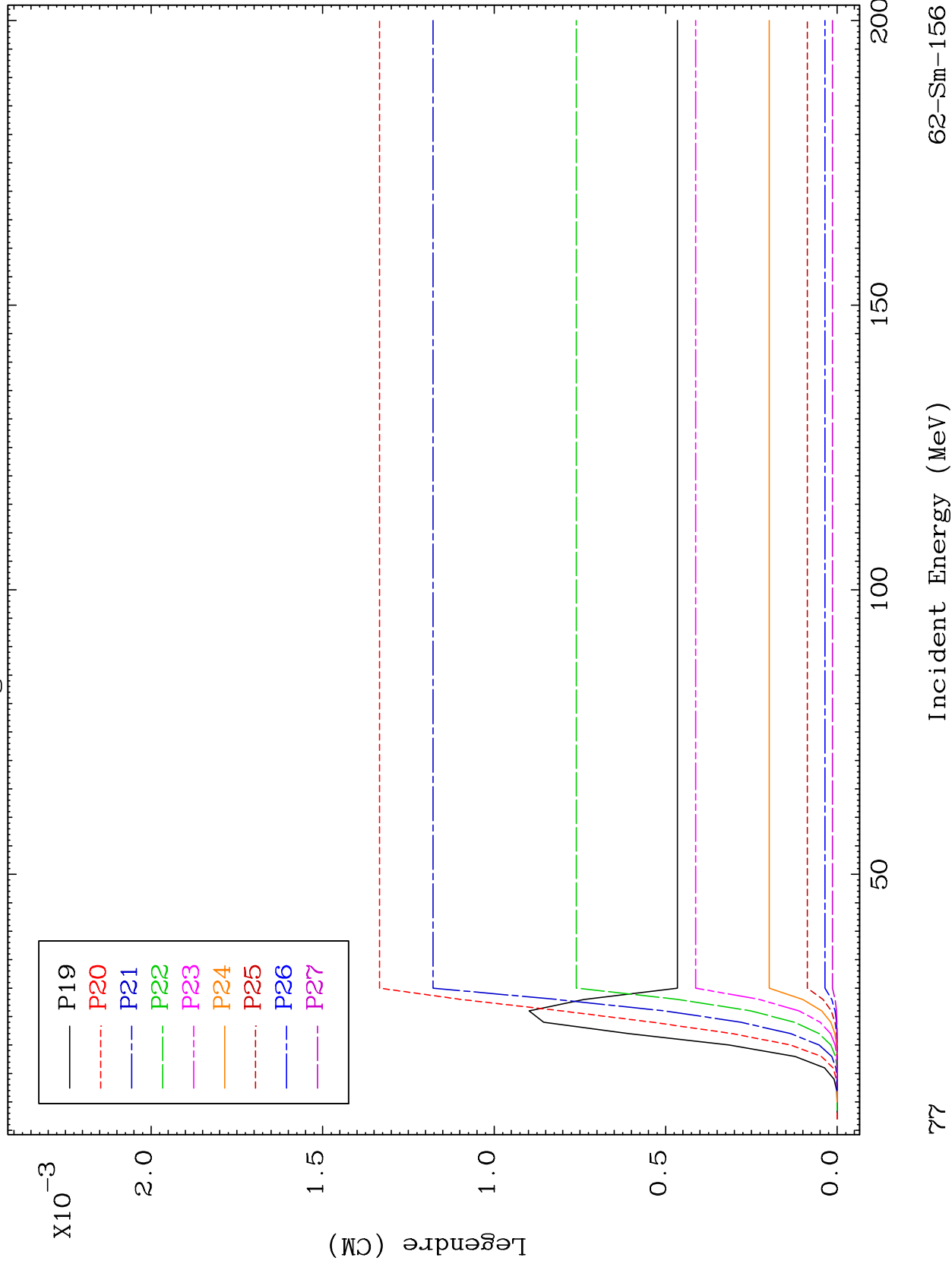




MAT 6261

1.509 MeV (n,n') Level
Legendre Coefficients

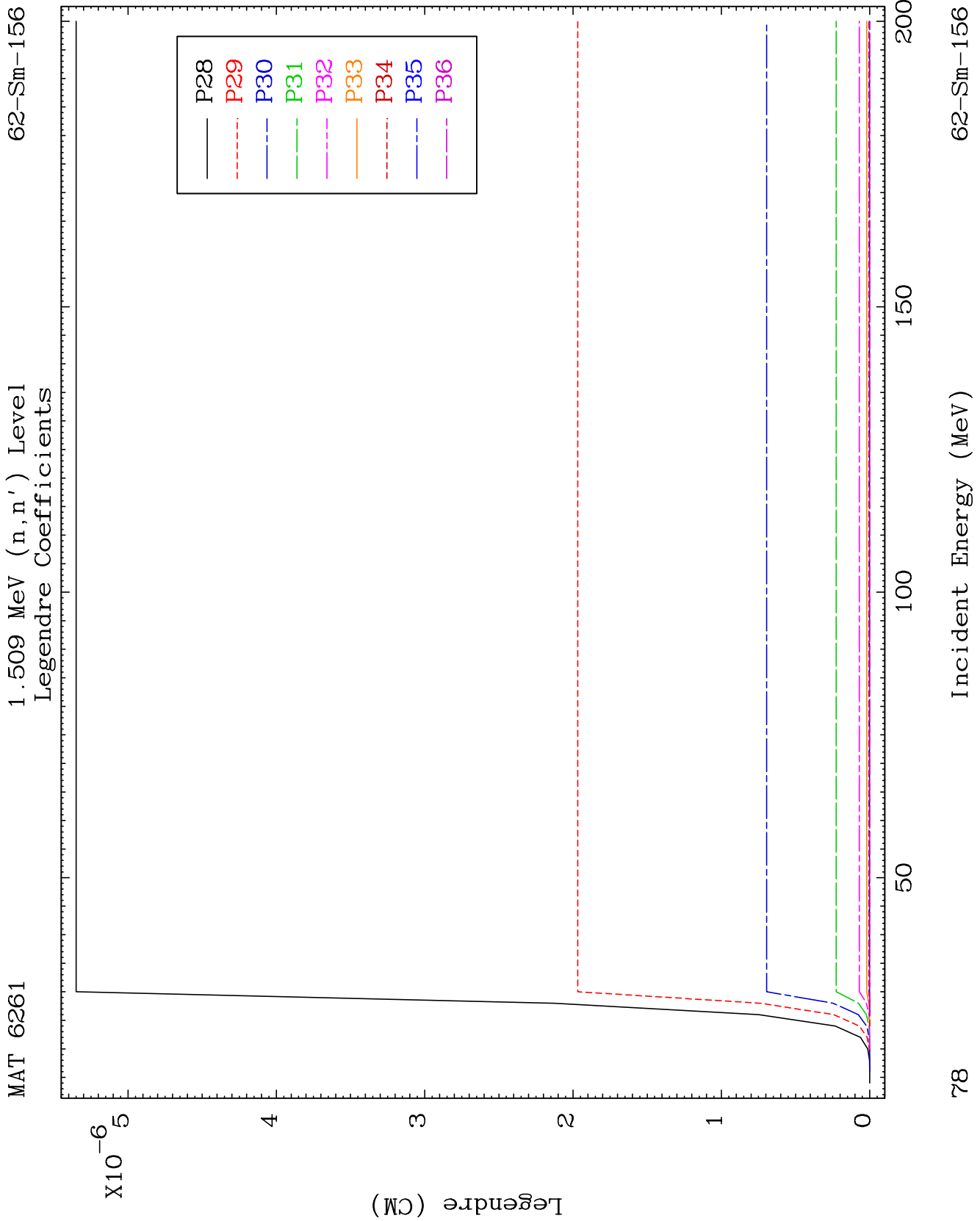
62-Sm-156



77

Incident Energy (MeV)

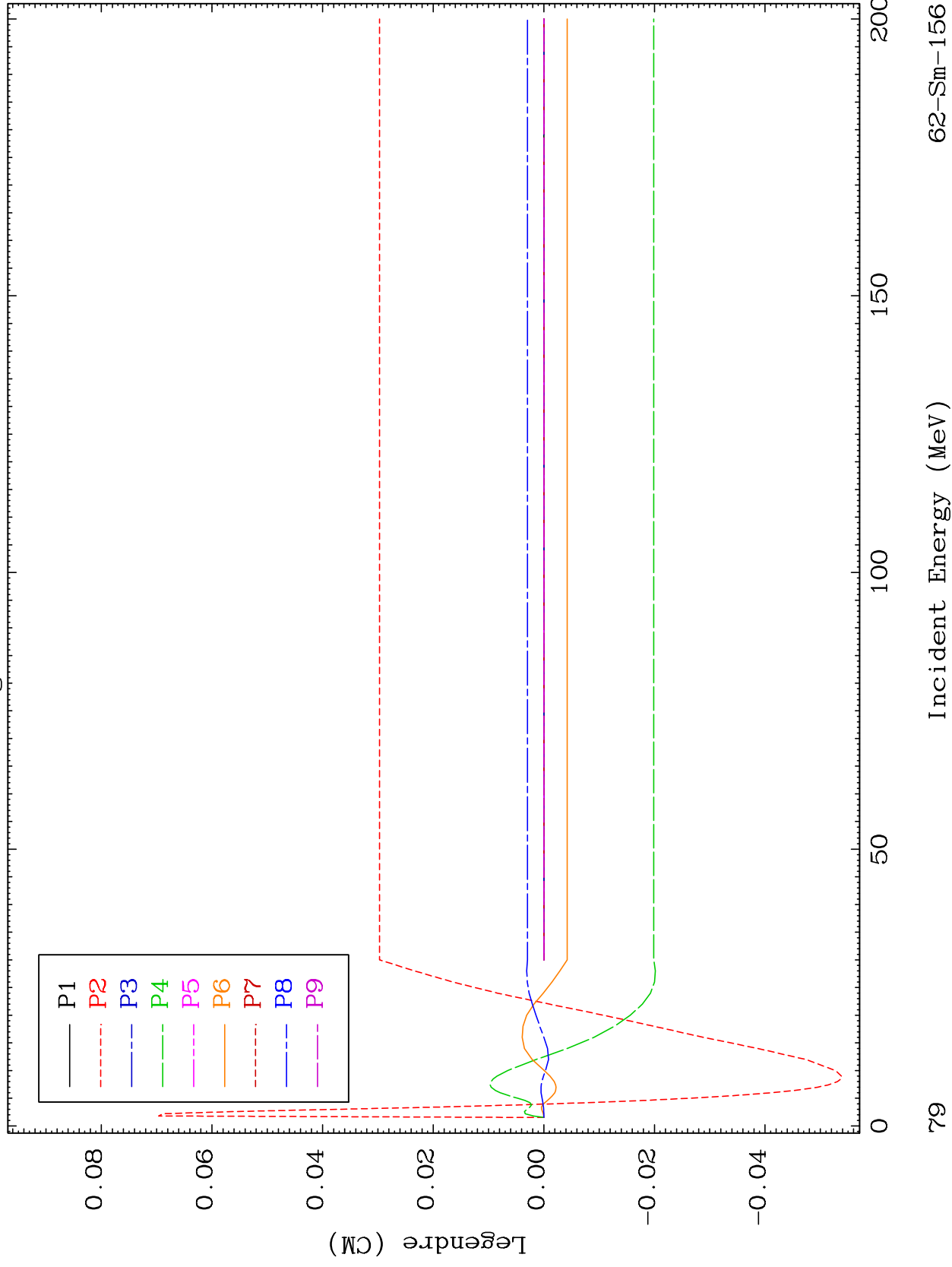
62-Sm-156



MAT 6261

1.511 MeV (n,n') Level
Legendre Coefficients

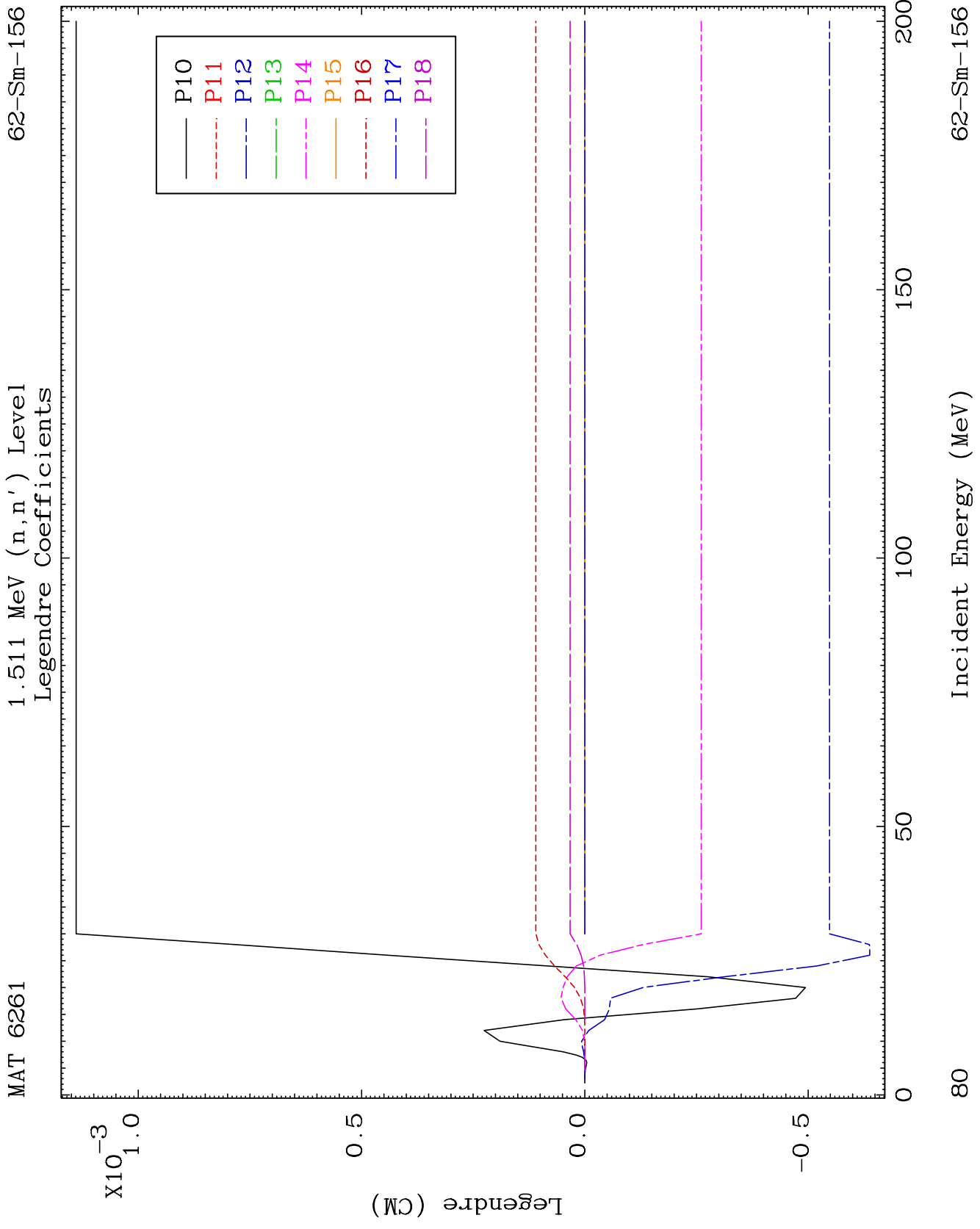
62-Sm-156

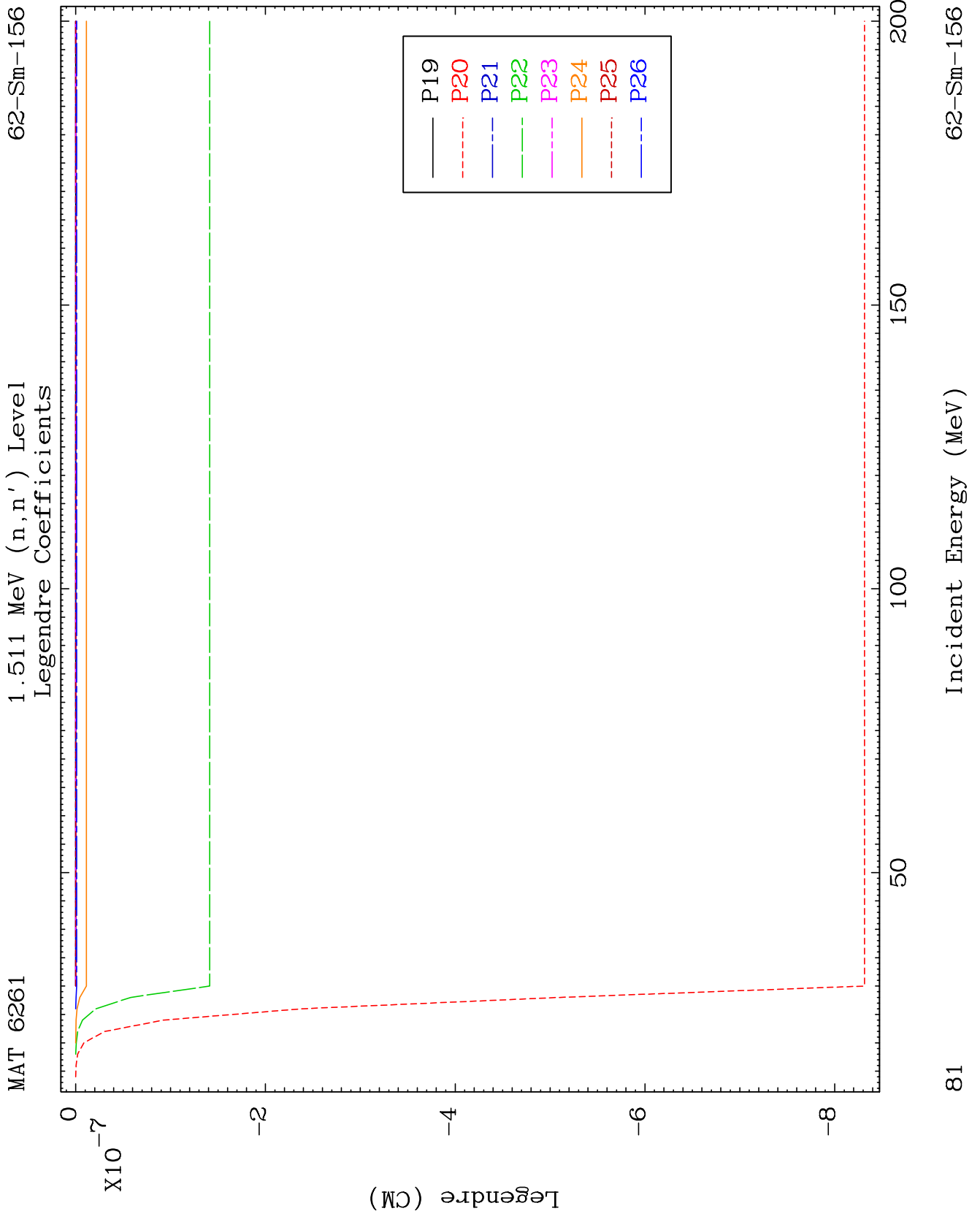


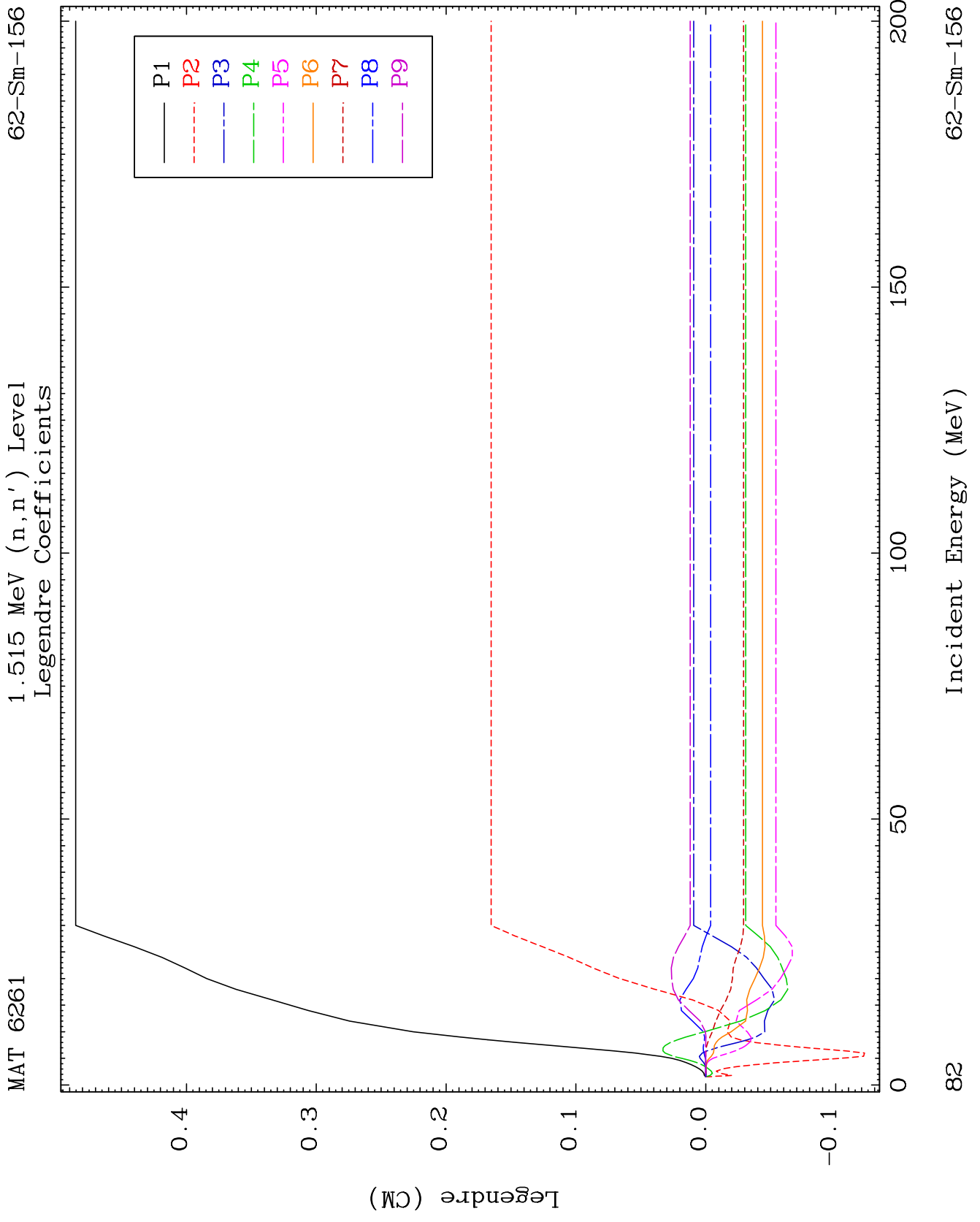
79

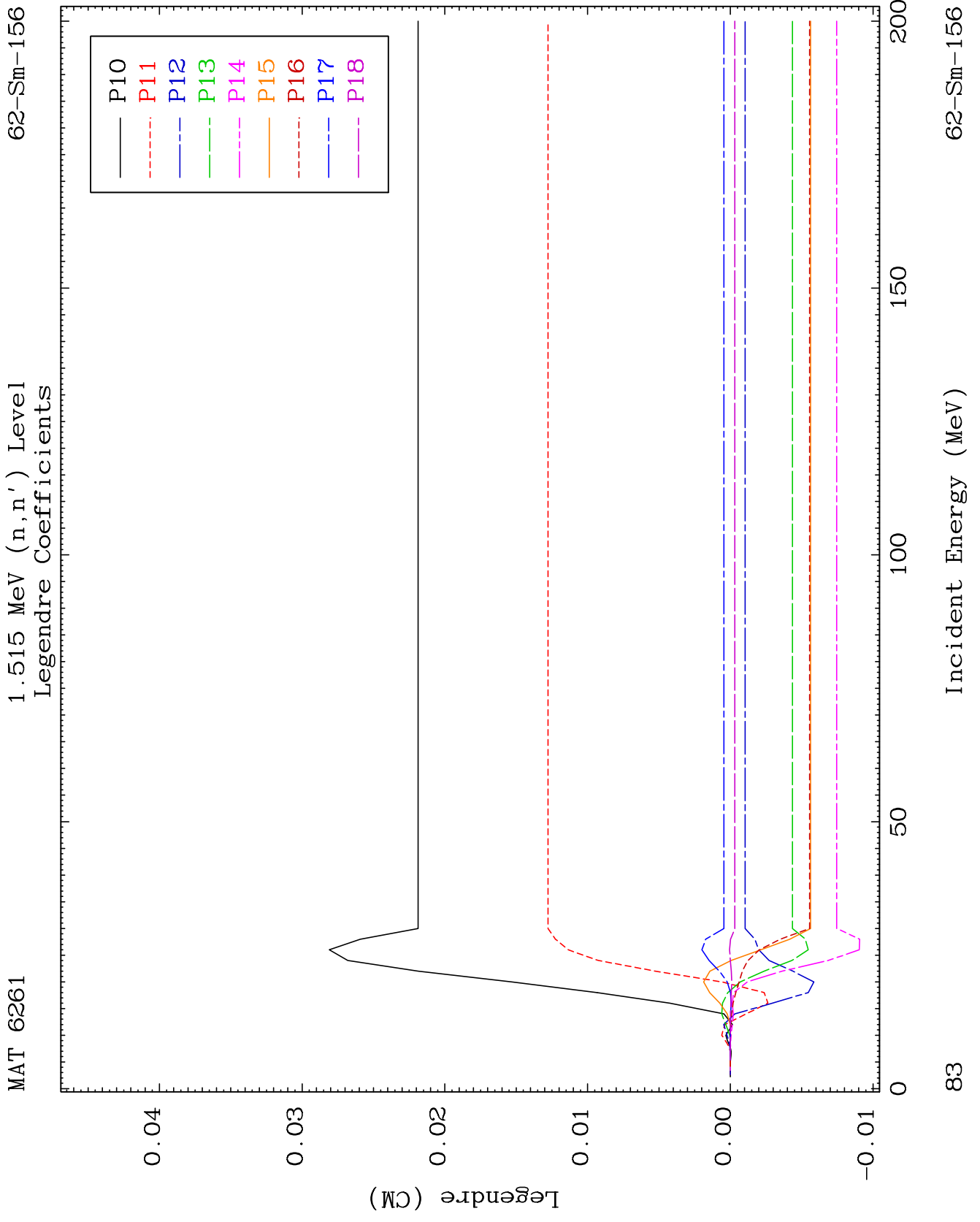
Incident Energy (MeV)

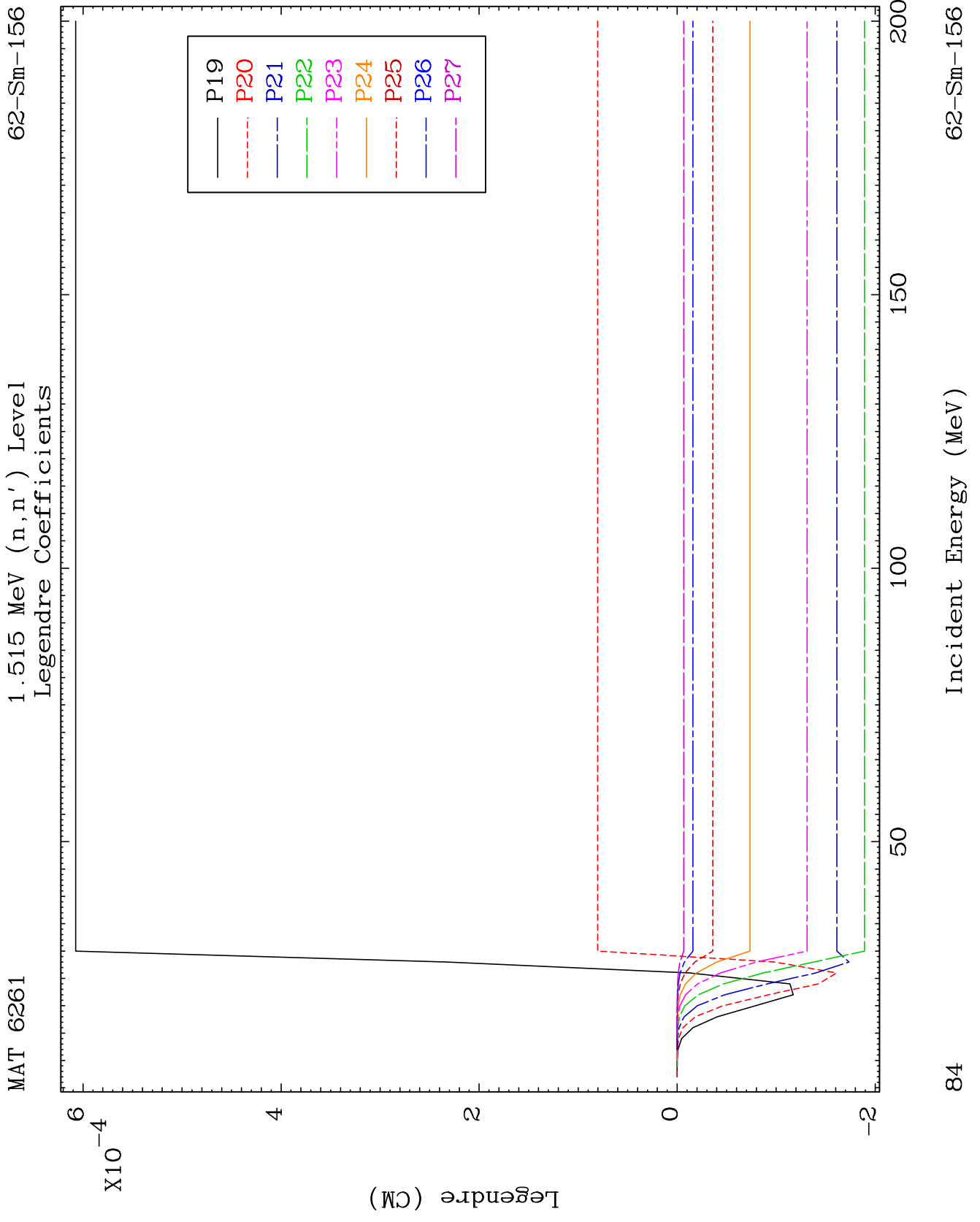
62-Sm-156

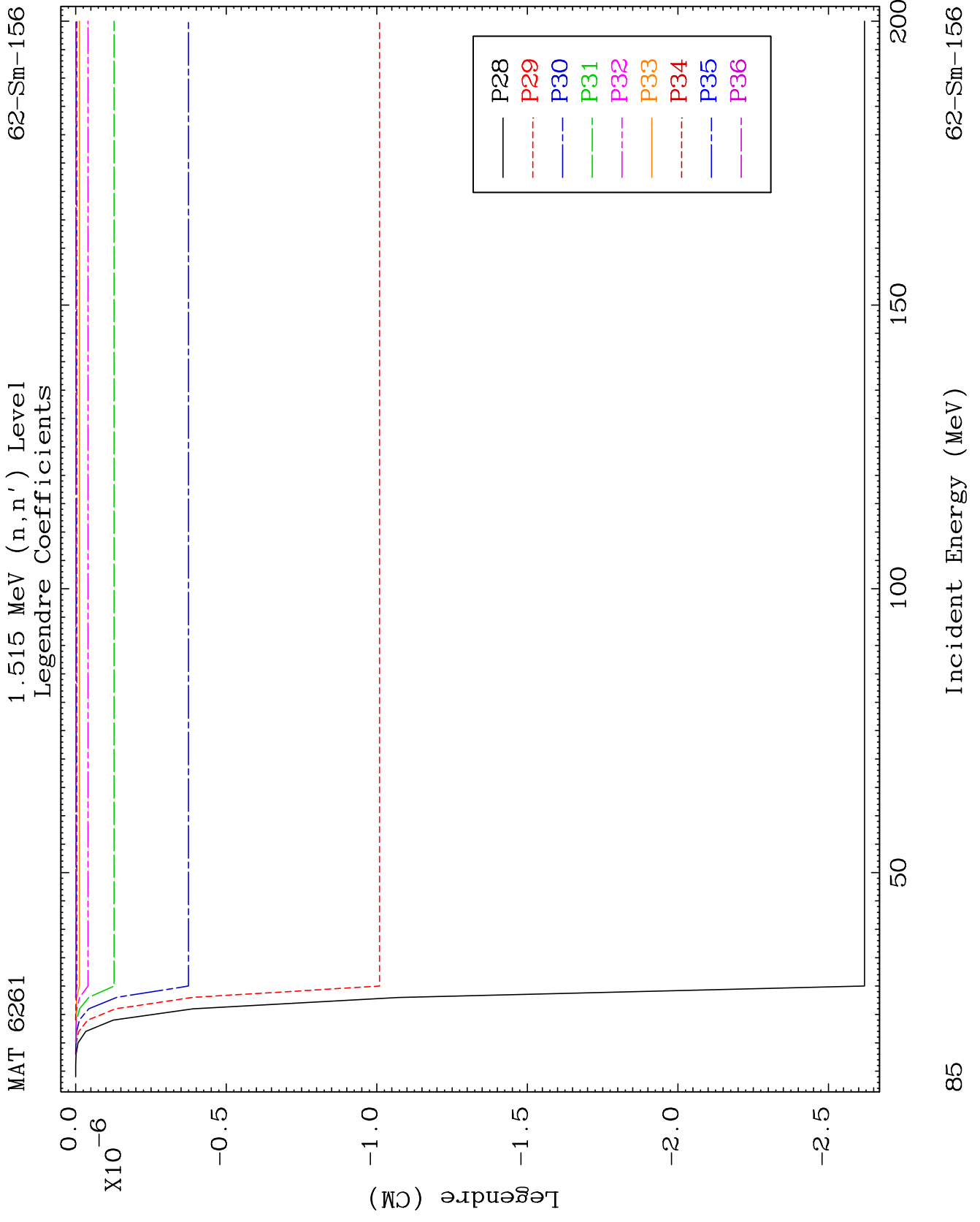


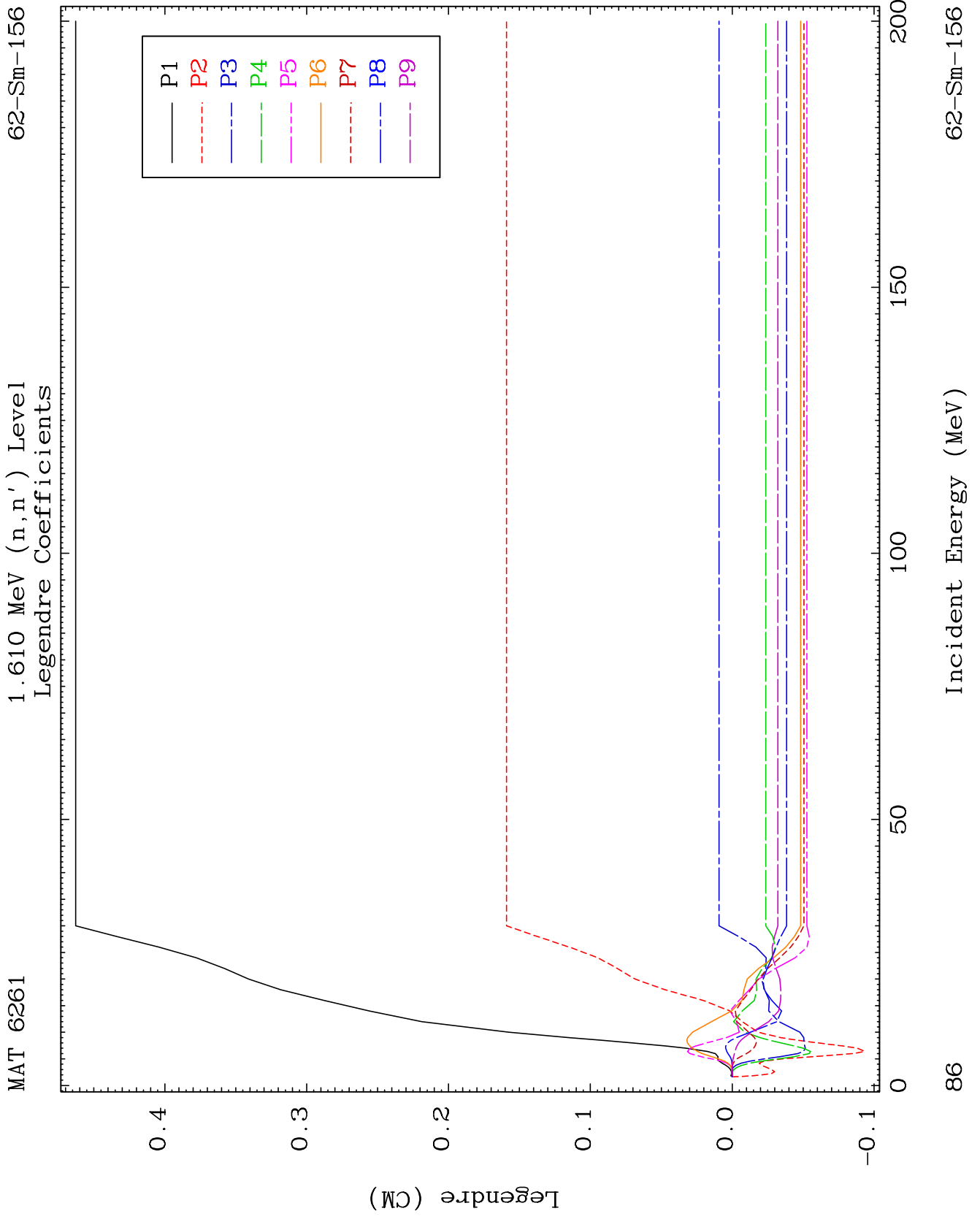


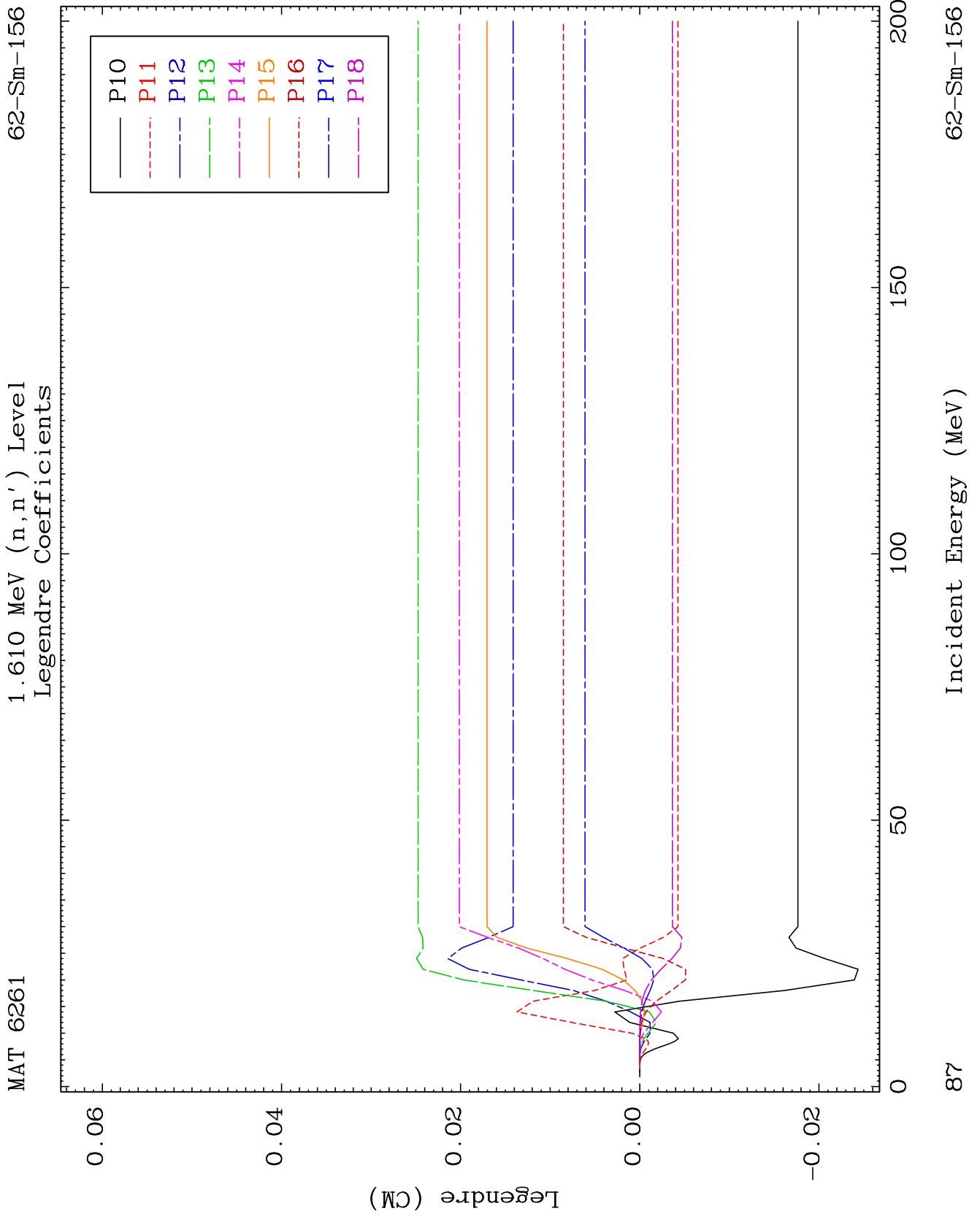


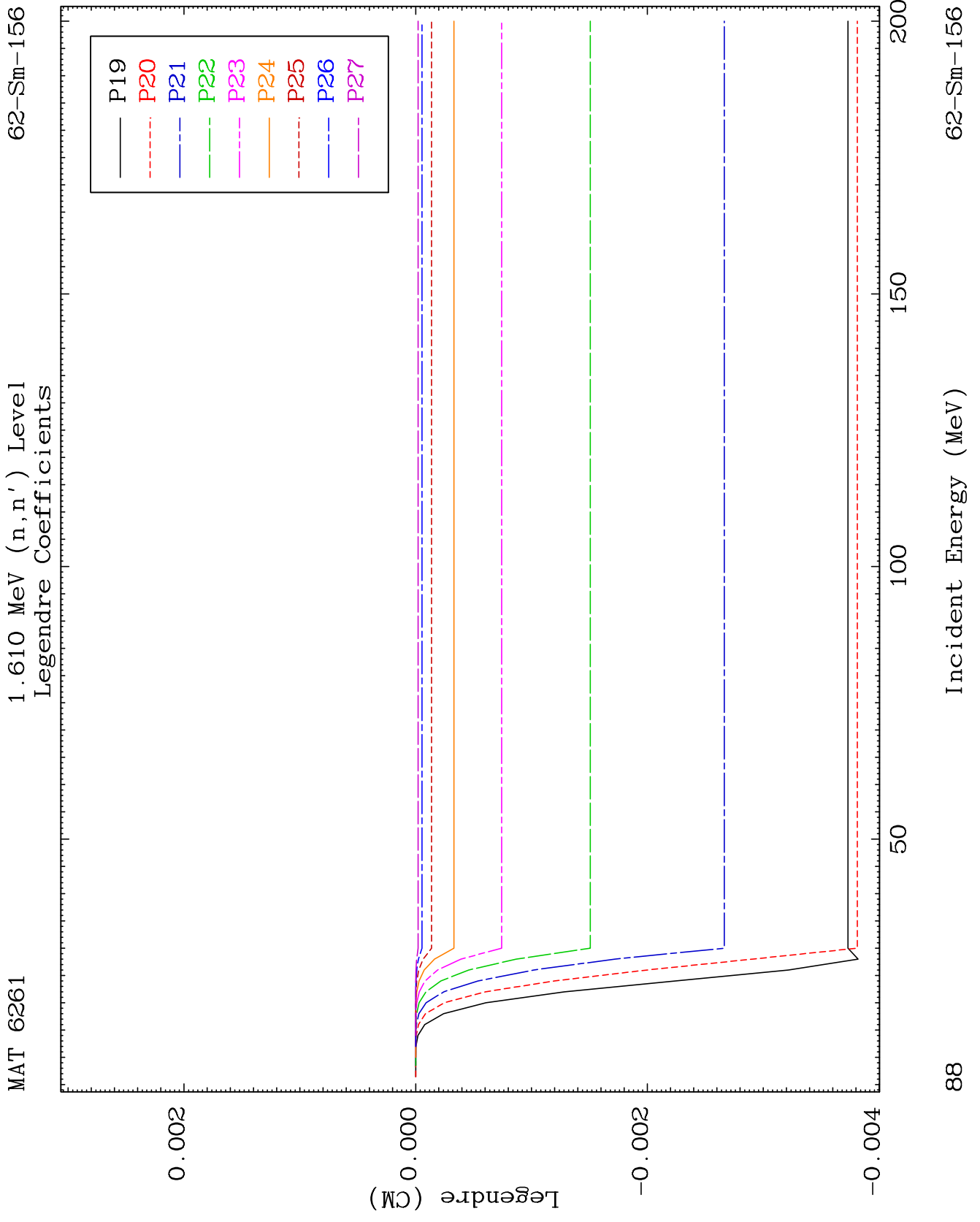


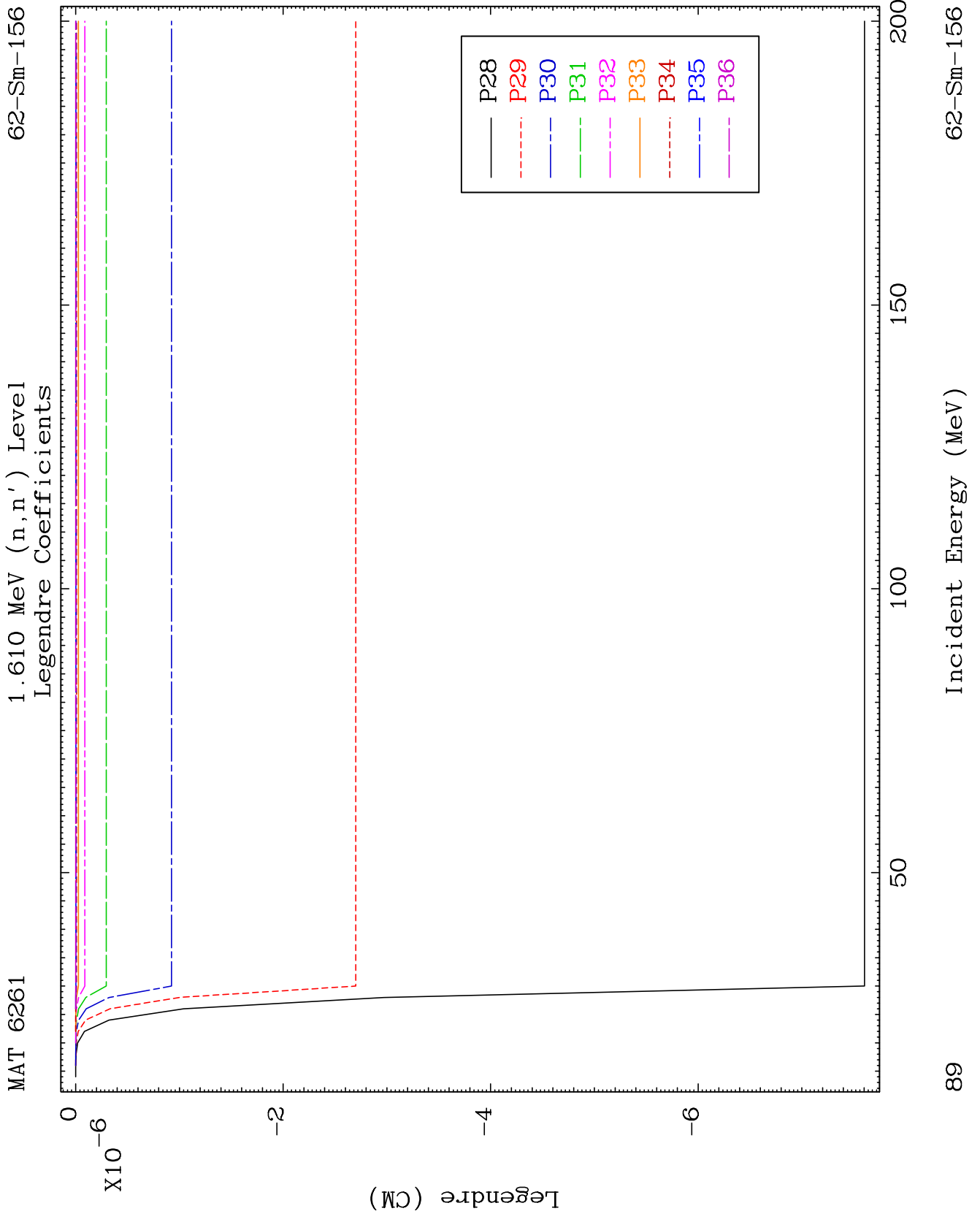








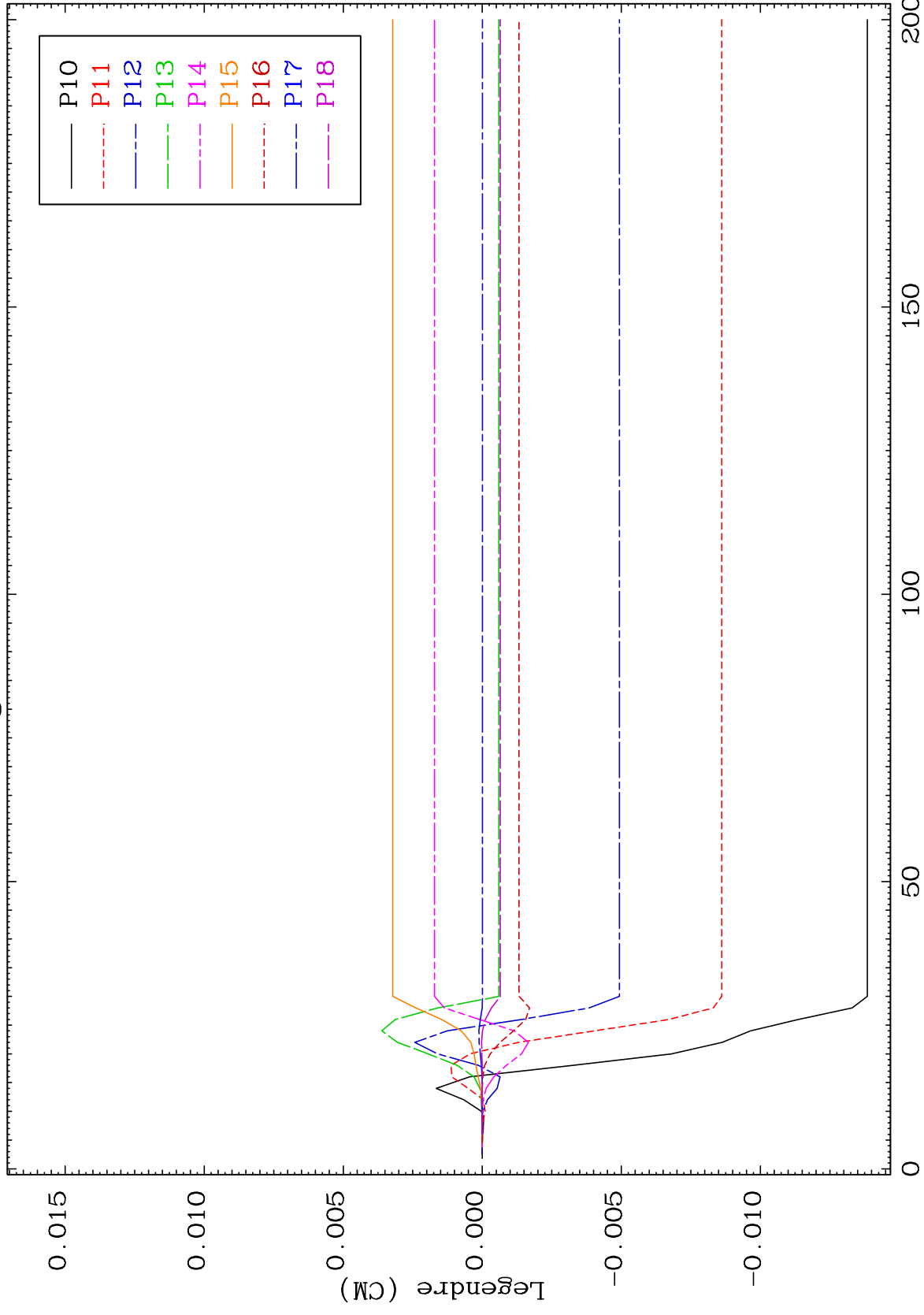




MAT 6261

1.644 MeV (n,n') Level
Legendre Coefficients

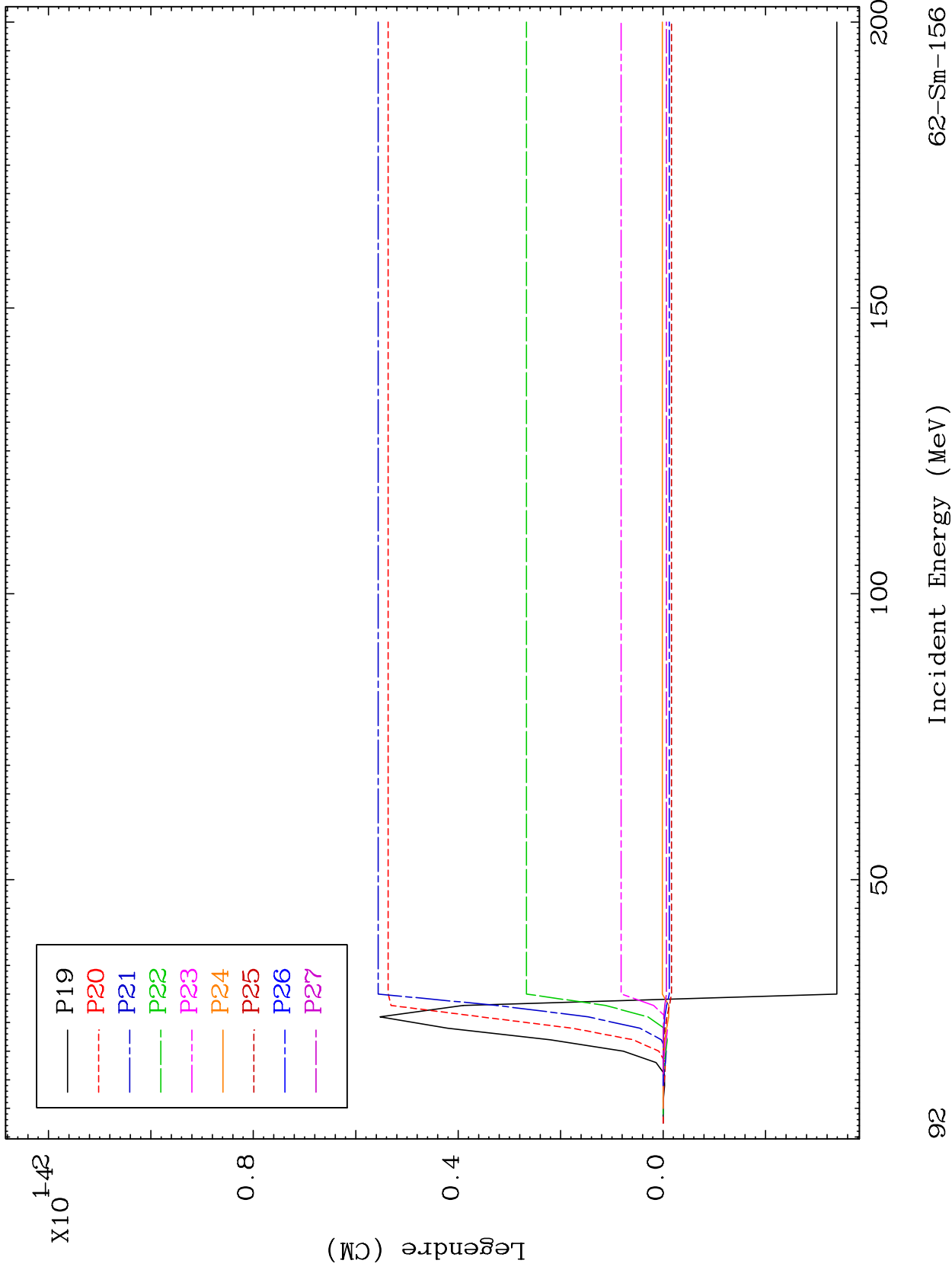
62-Sm-156

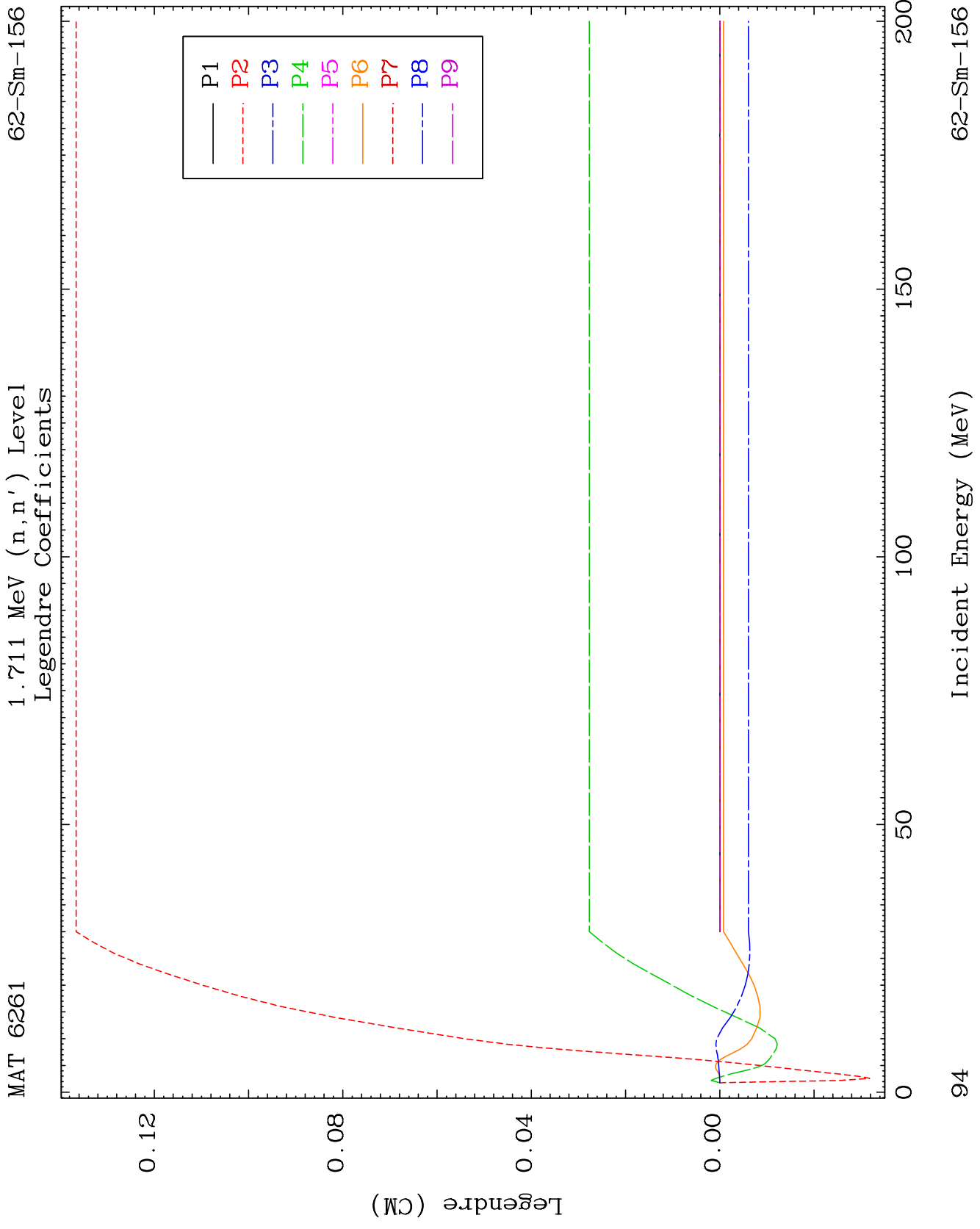


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Incident Energy (MeV)

62-Sm-156

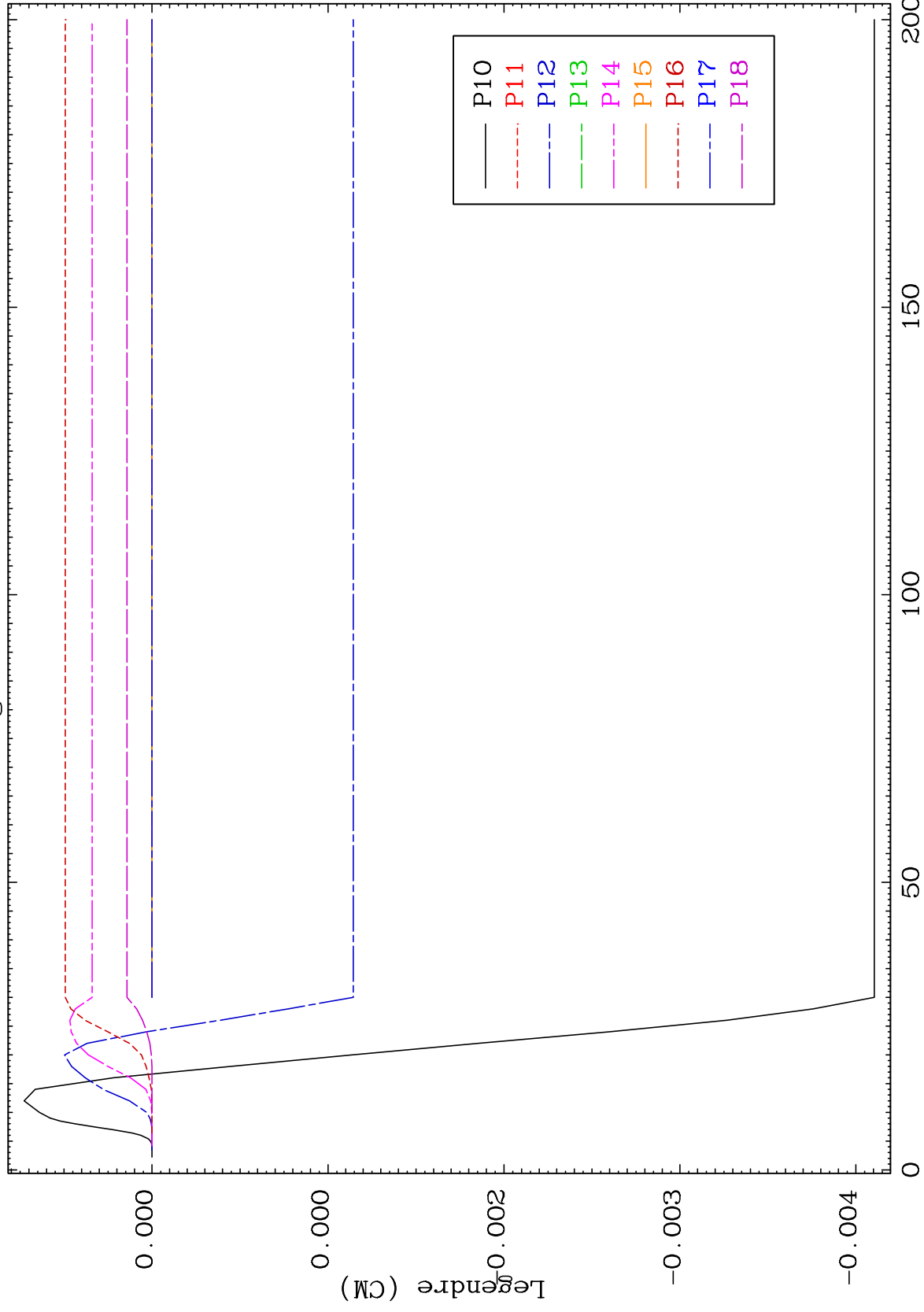




MAT 6261

1.711 MeV (n,n') Level
Legendre Coefficients

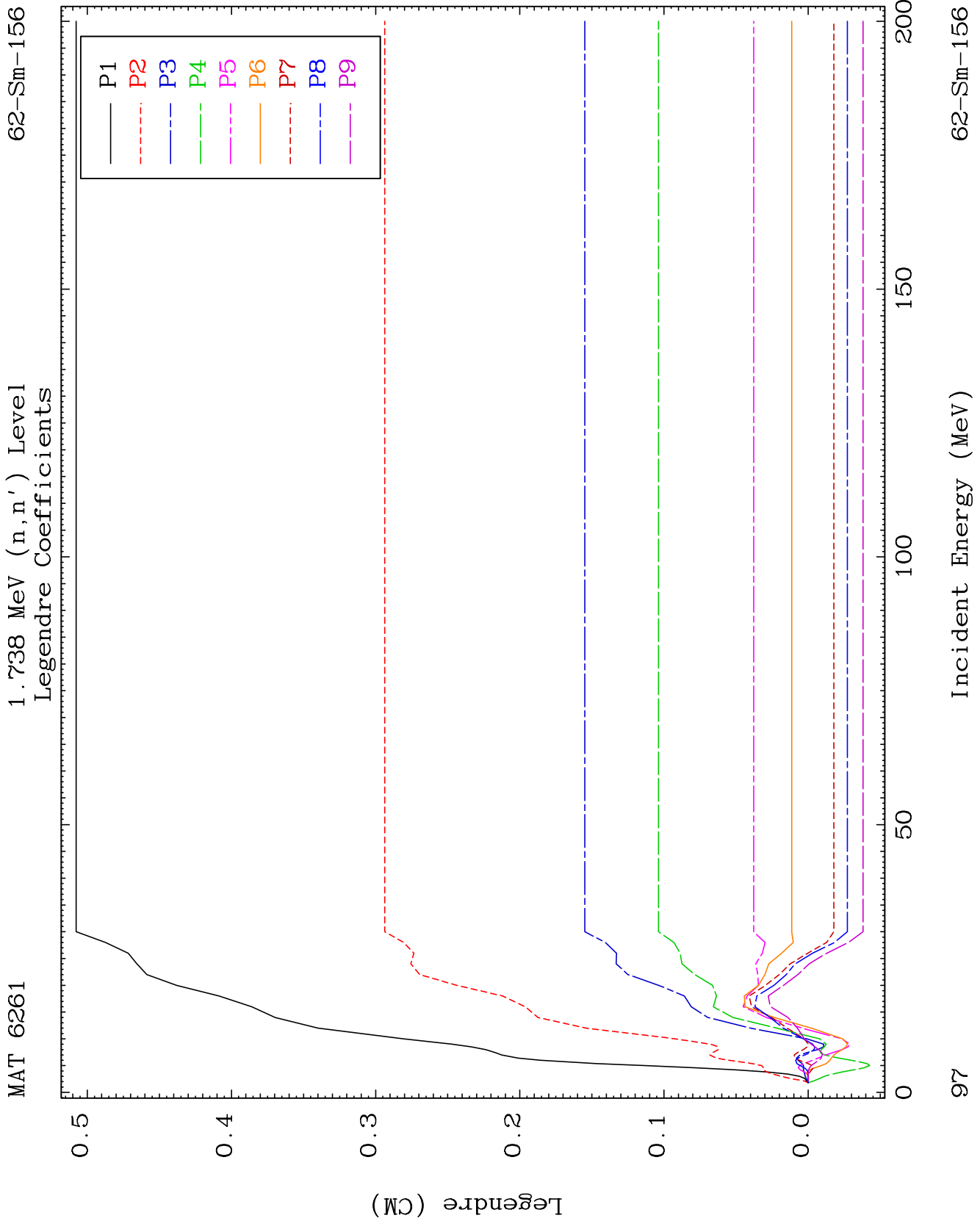
62-Sm-156



95

Incident Energy (MeV)

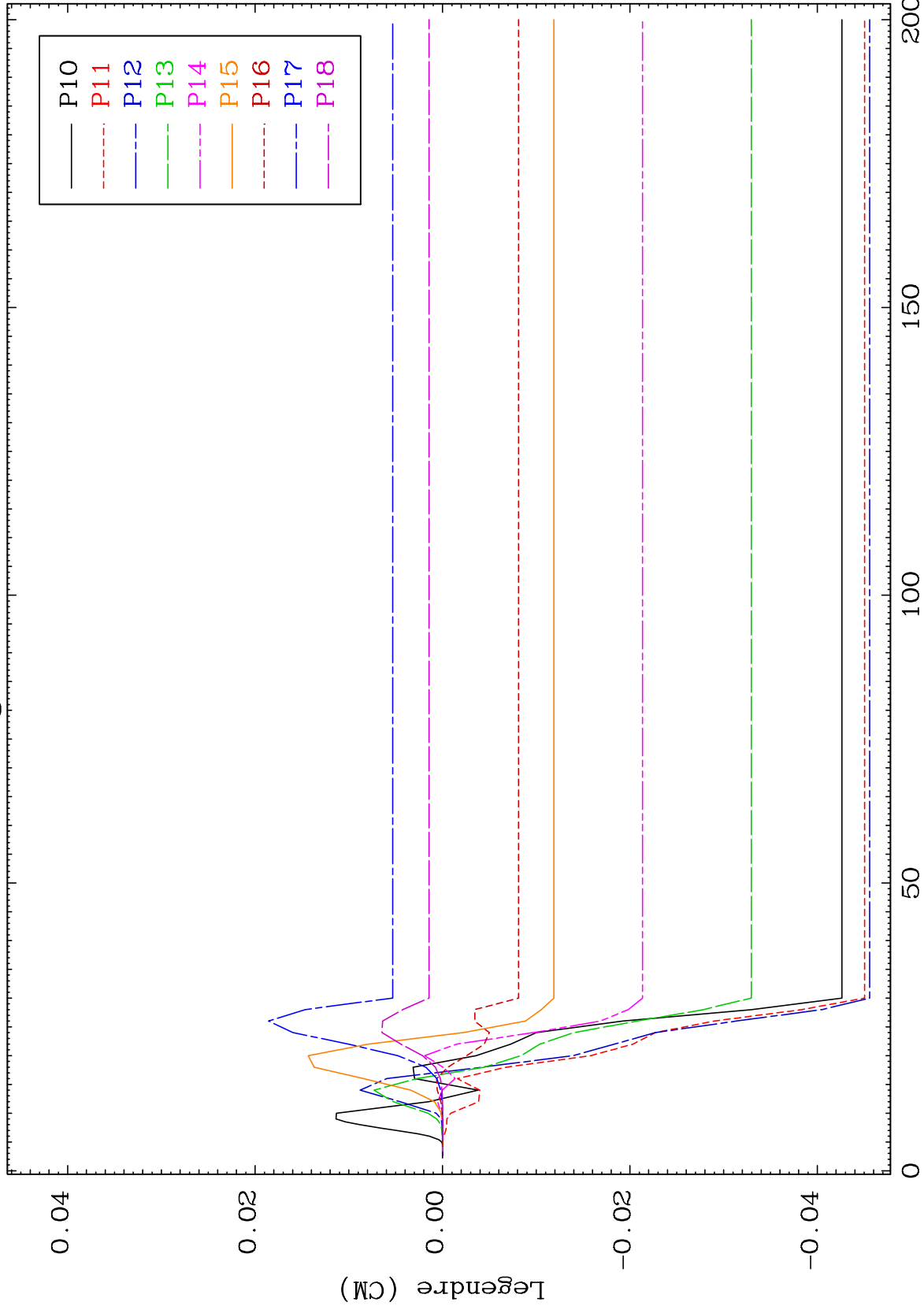
62-Sm-156



MAT 6261

1.738 MeV (n,n') Level
Legendre Coefficients

62-Sm-156



98

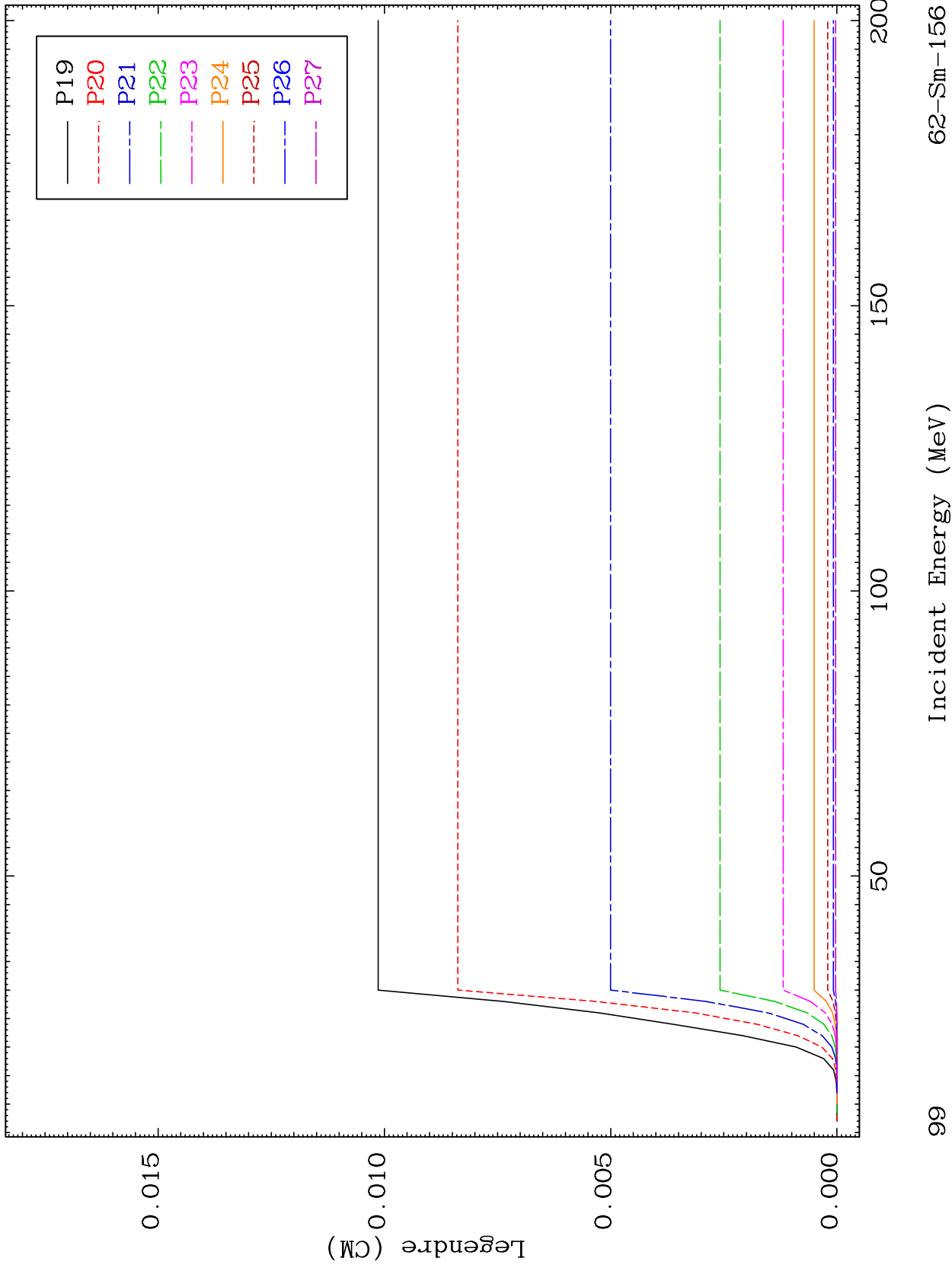
Incident Energy (MeV)

62-Sm-156

MAT 6261

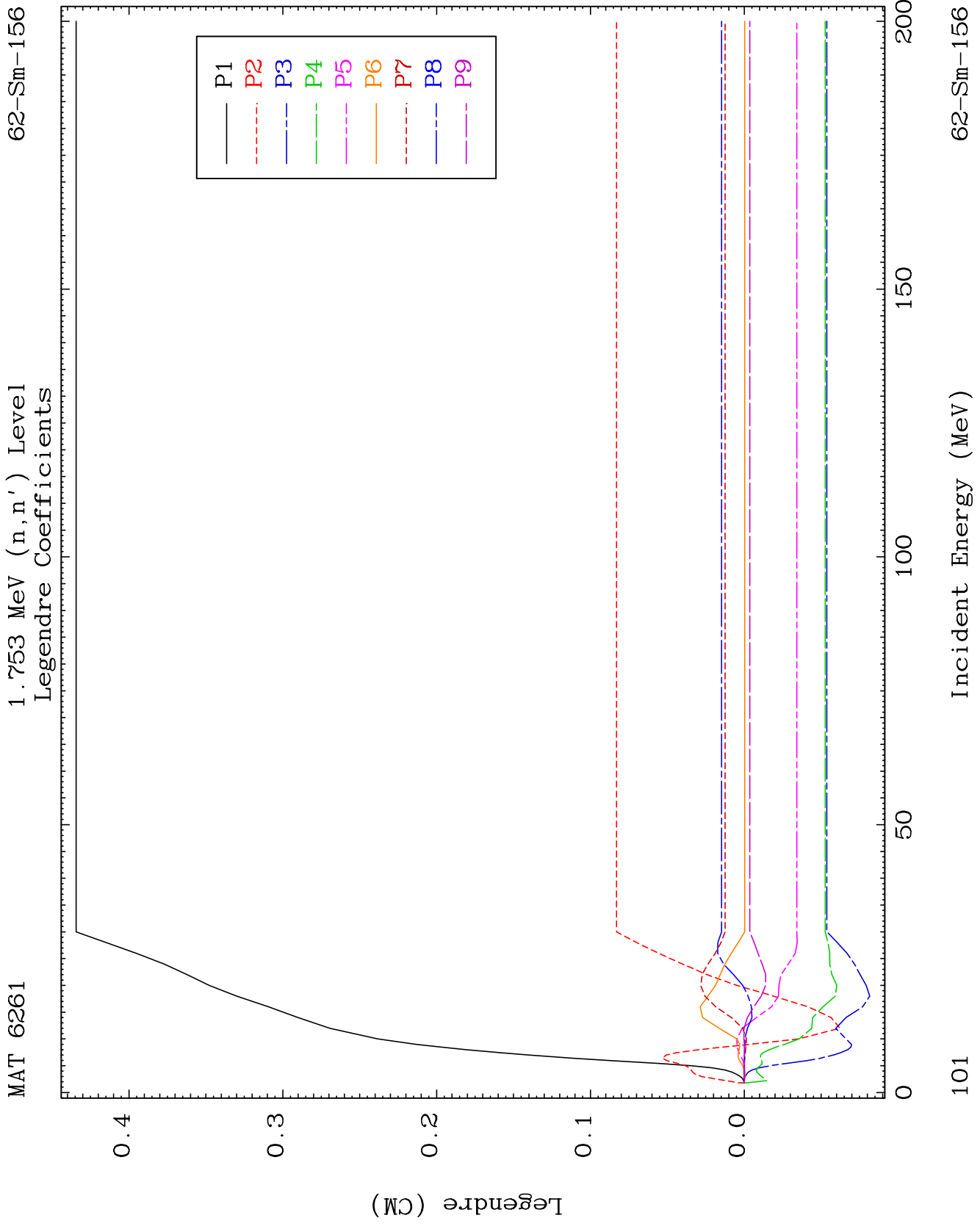
1.738 MeV (n,n') Level
Legendre Coefficients

62-Sm-156



99

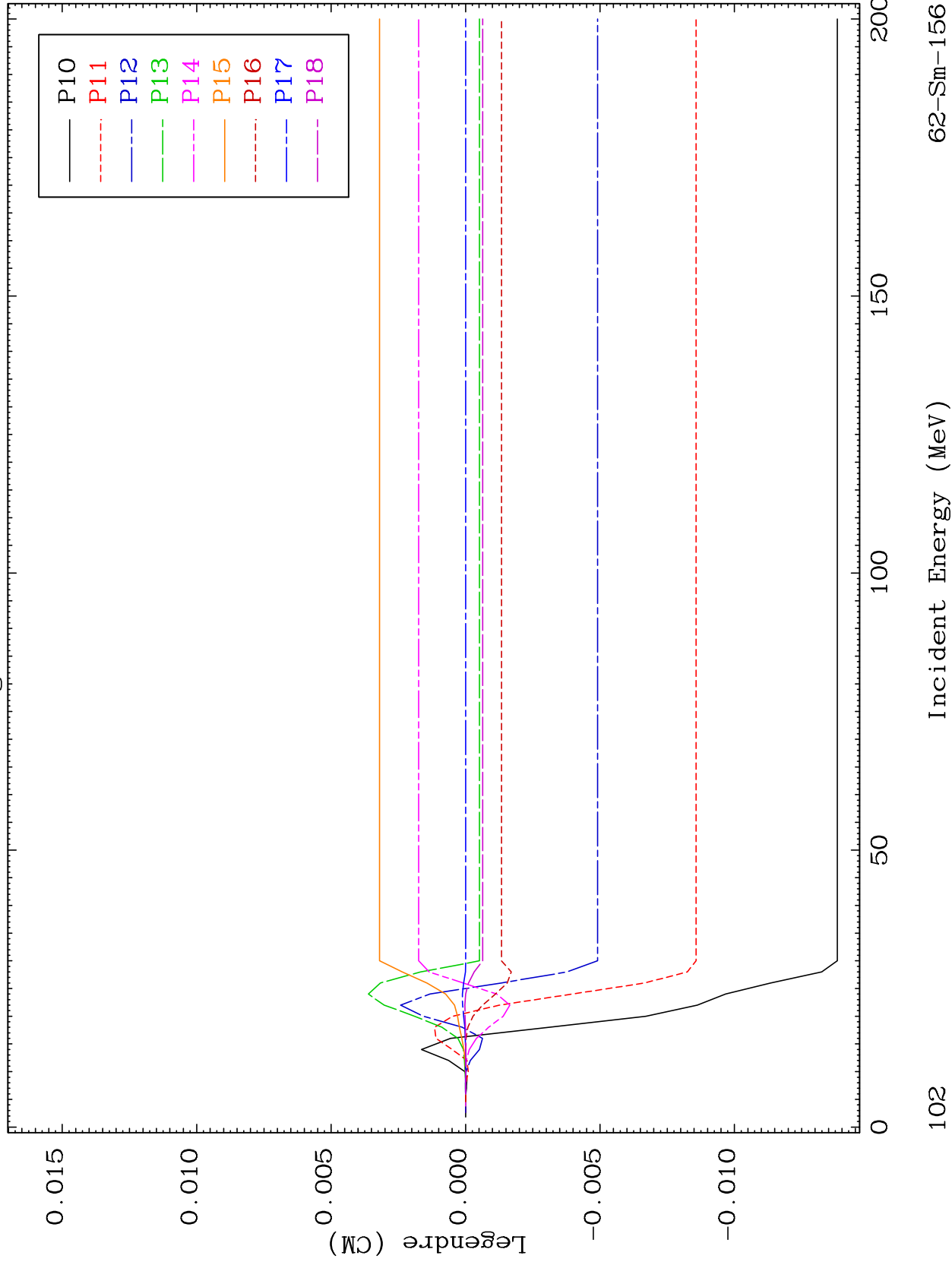
62-Sm-156



MAT 6261

1.753 MeV (n,n') Level
Legendre Coefficients

62-Sm-156



102

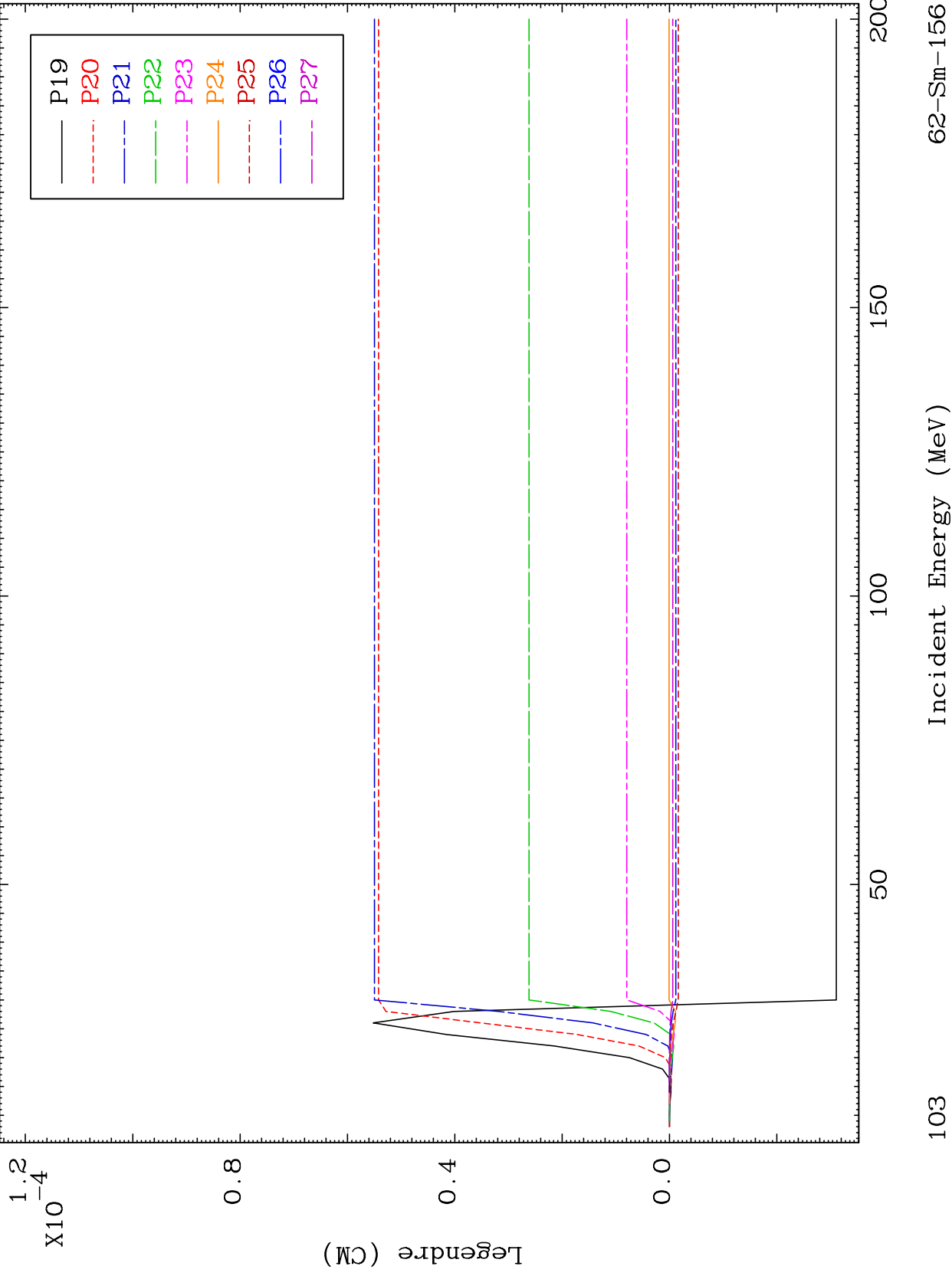
Incident Energy (MeV)

62-Sm-156

MAT 6261

1.753 MeV (n,n') Level
Legendre Coefficients

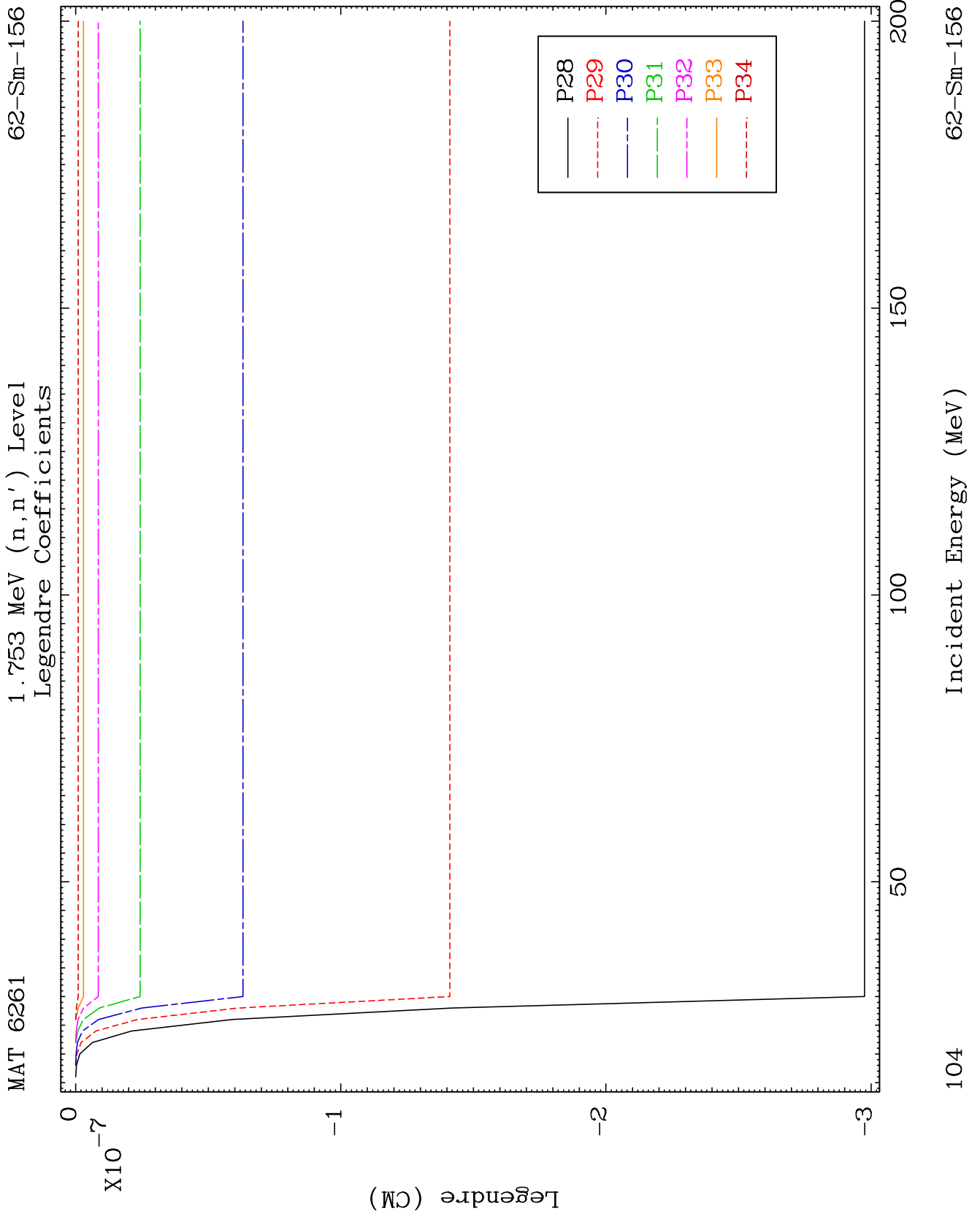
62-Sm-156

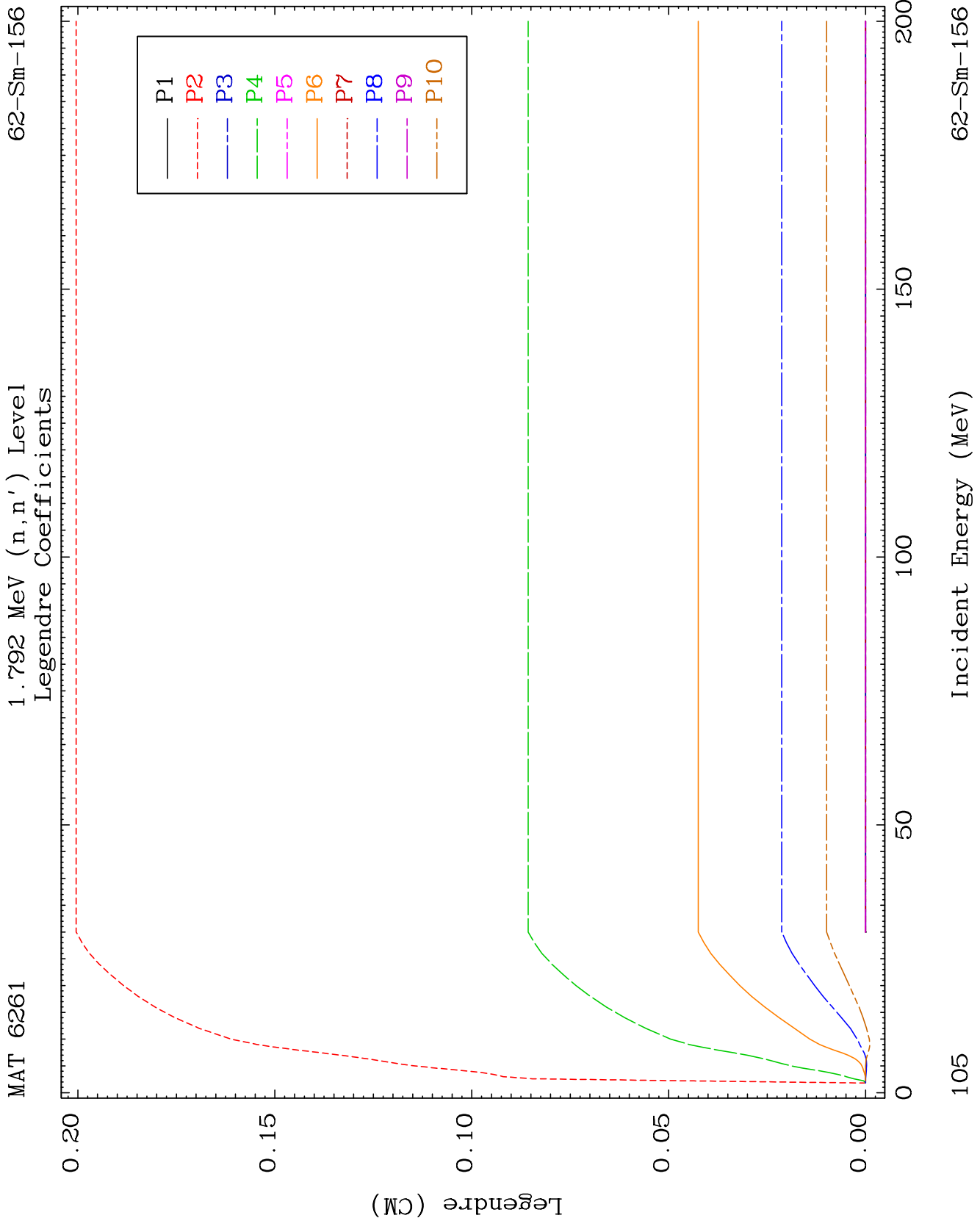


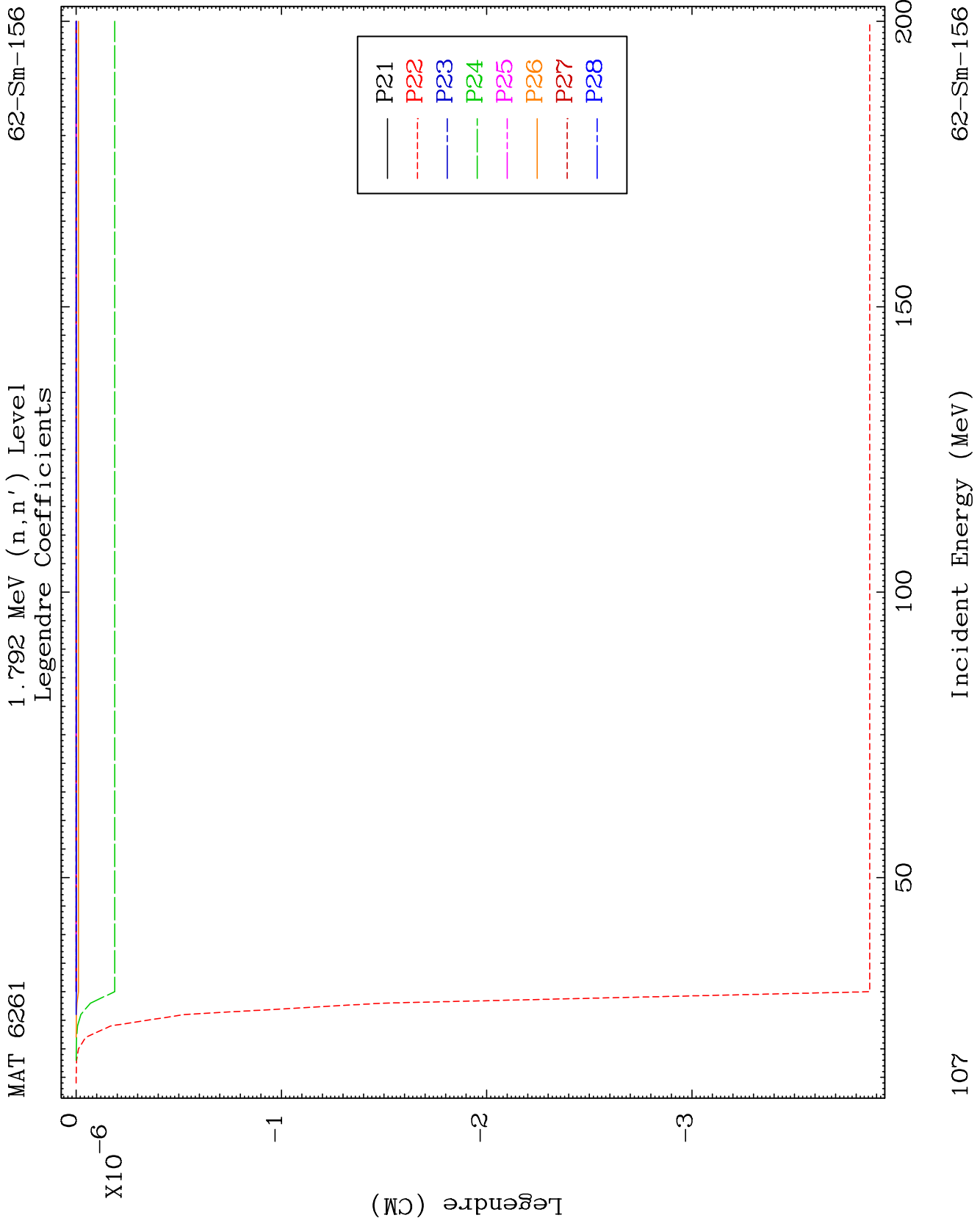
103

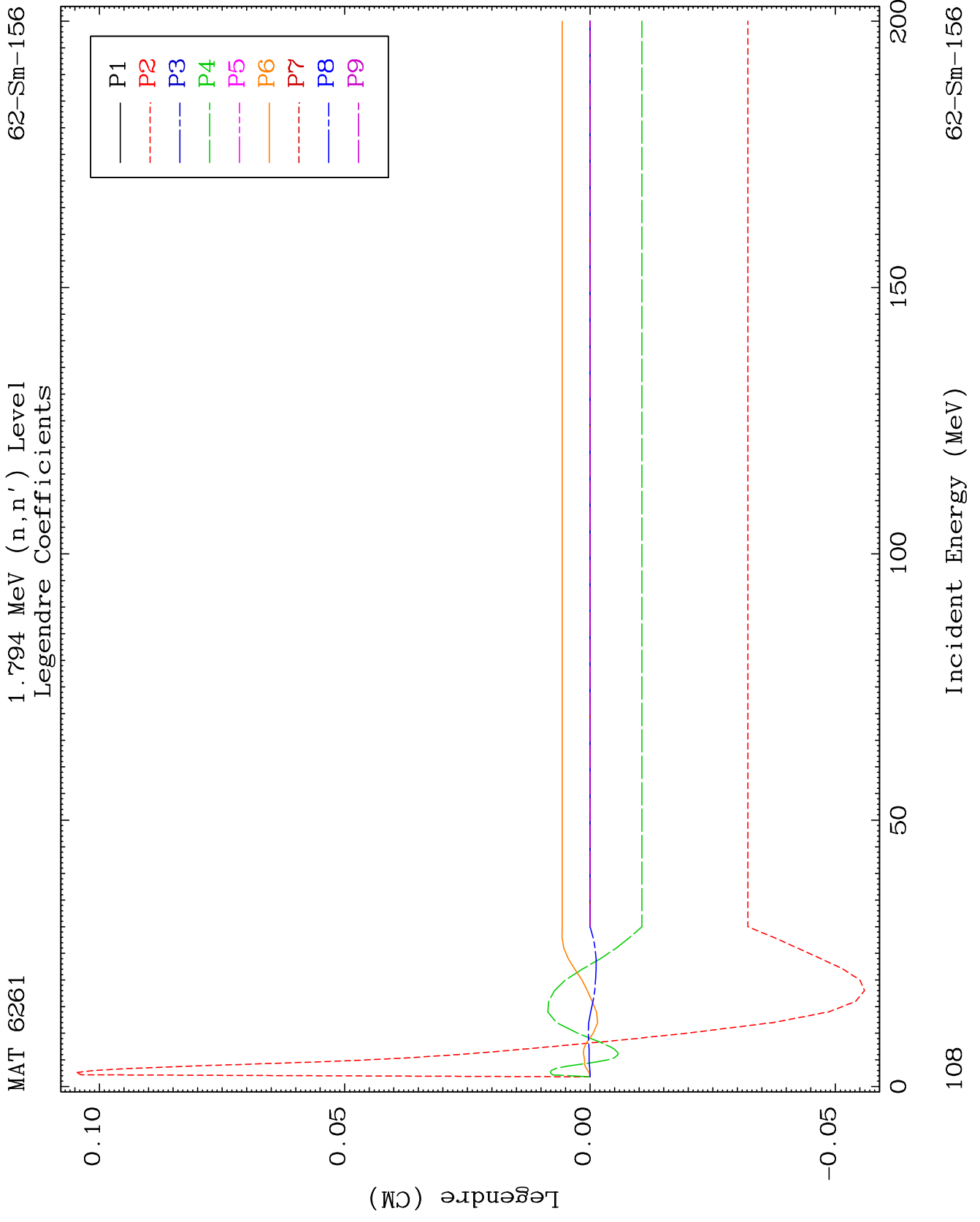
Incident Energy (MeV)

62-Sm-156





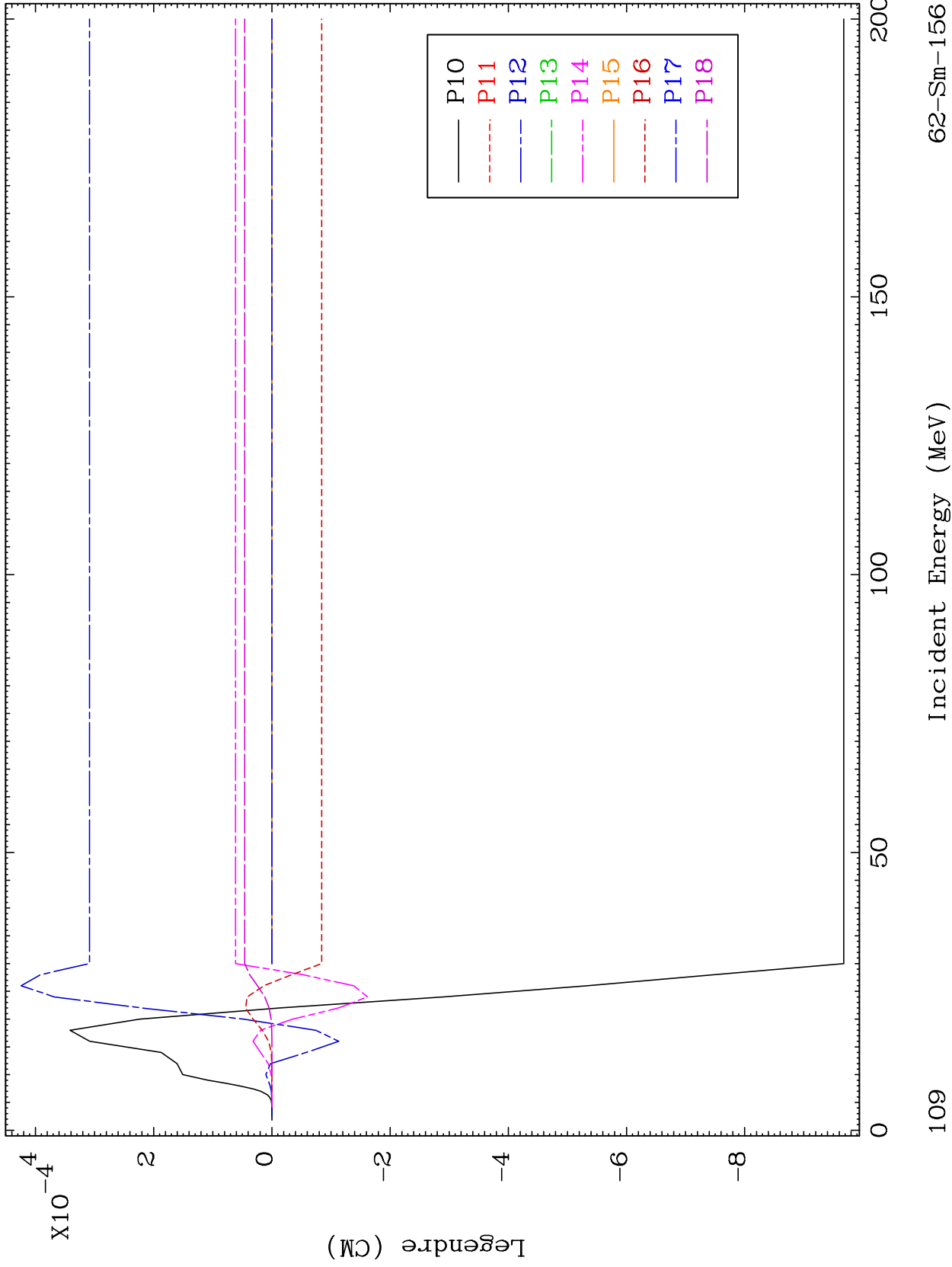




MAT 6261

1.794 MeV (n,n') Level
Legendre Coefficients

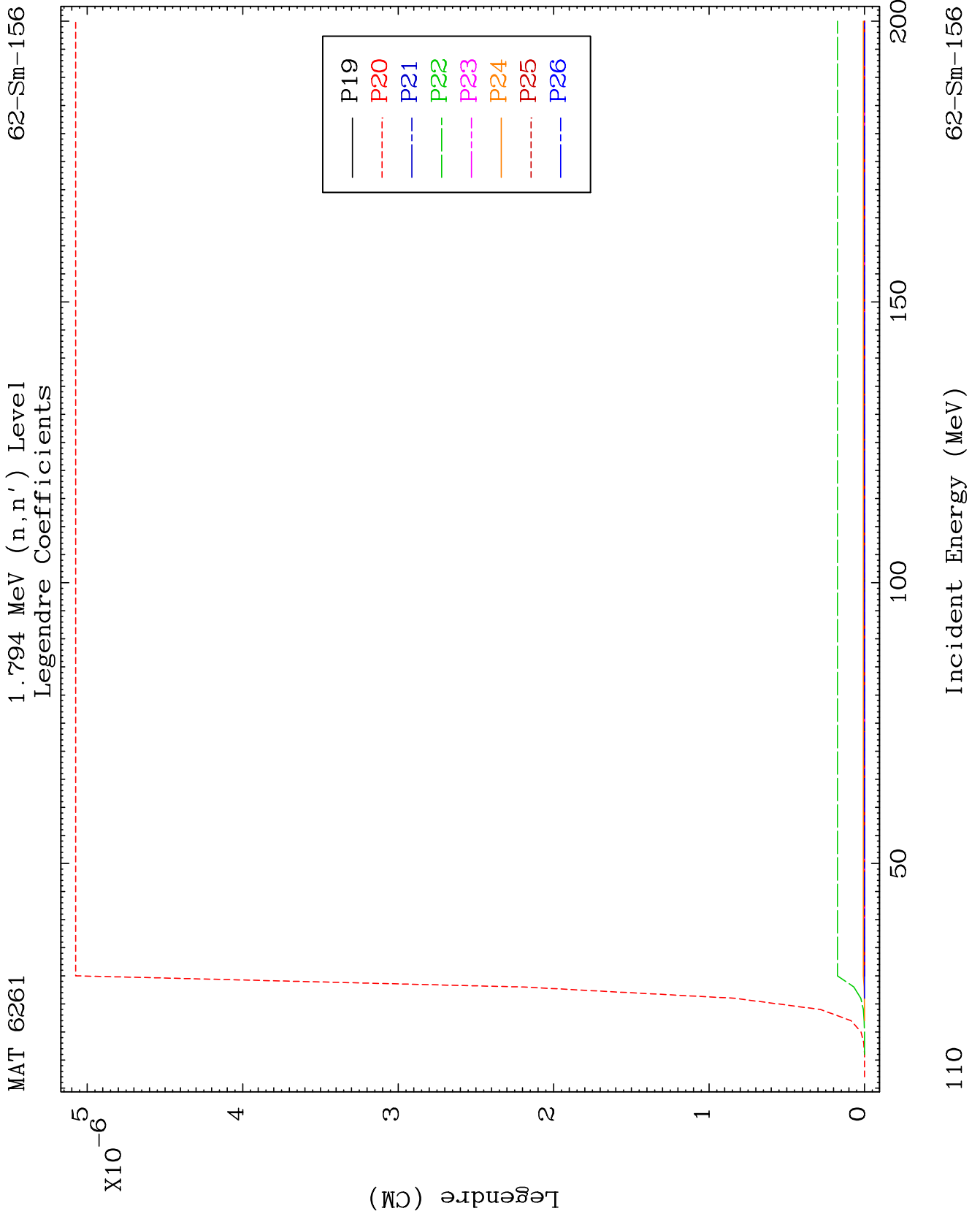
62-Sm-156



109

Incident Energy (MeV)

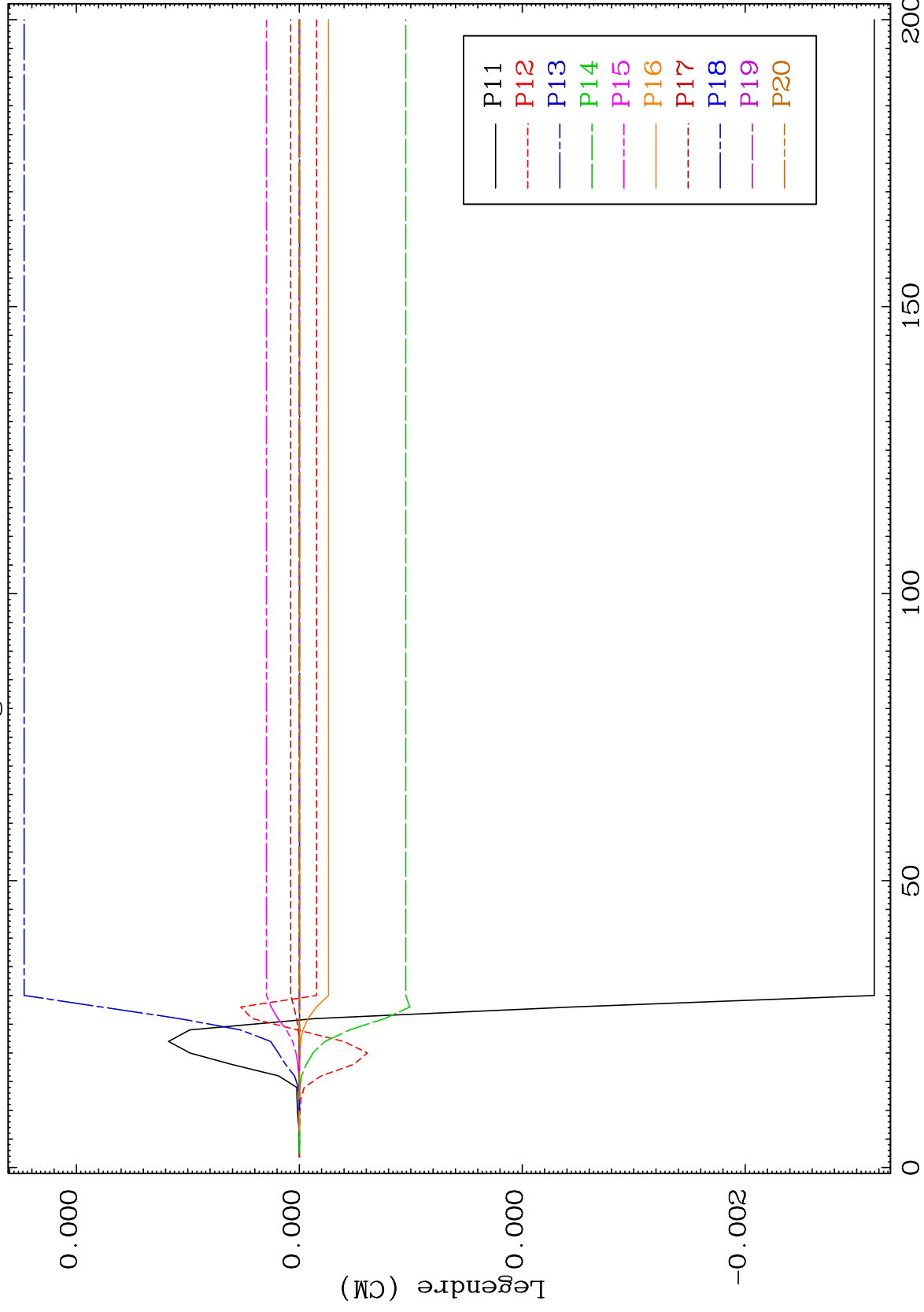
62-Sm-156



MAT 6261

1.819 MeV (n,n') Level
Legendre Coefficients

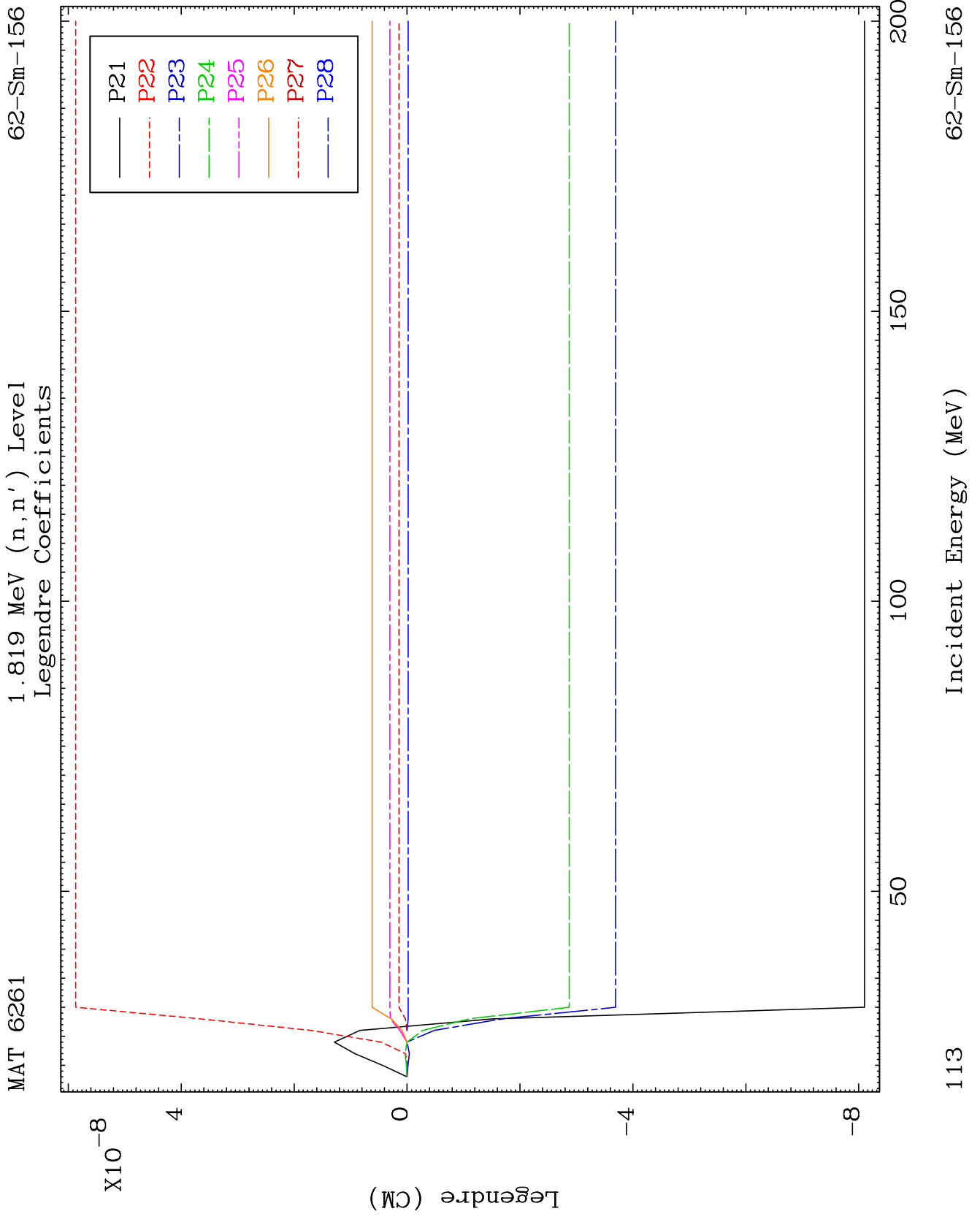
62-Sm-156

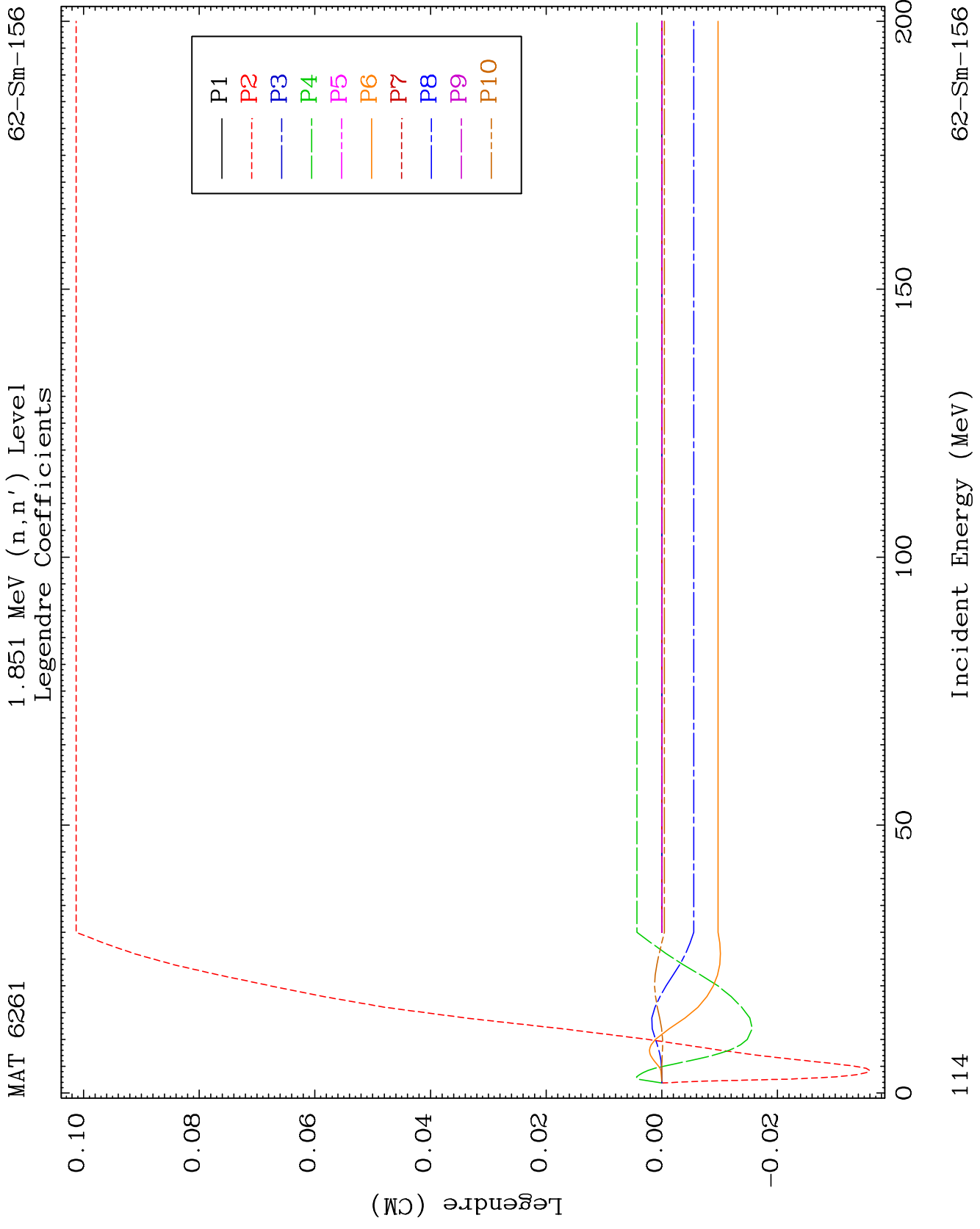


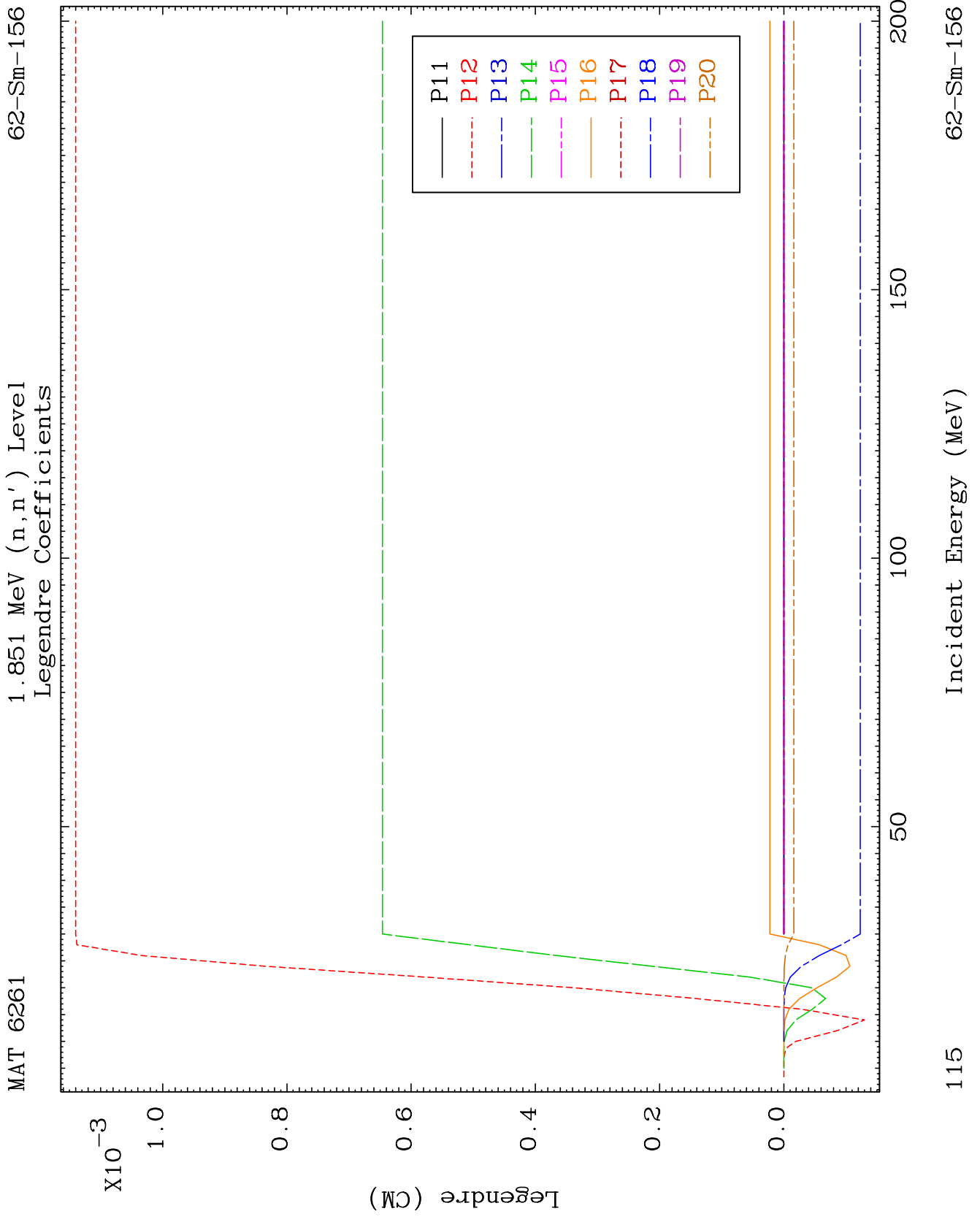
112

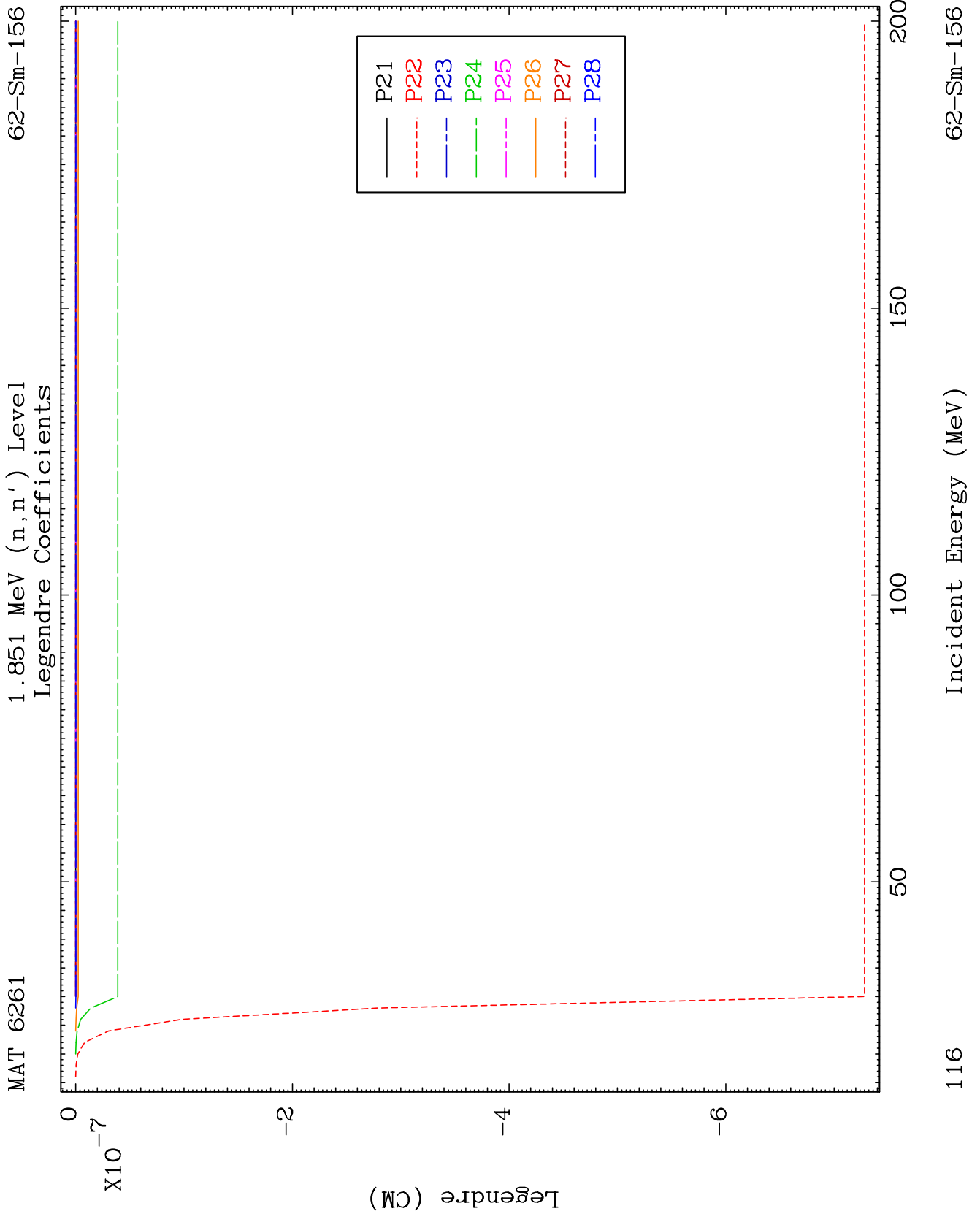
Incident Energy (MeV)

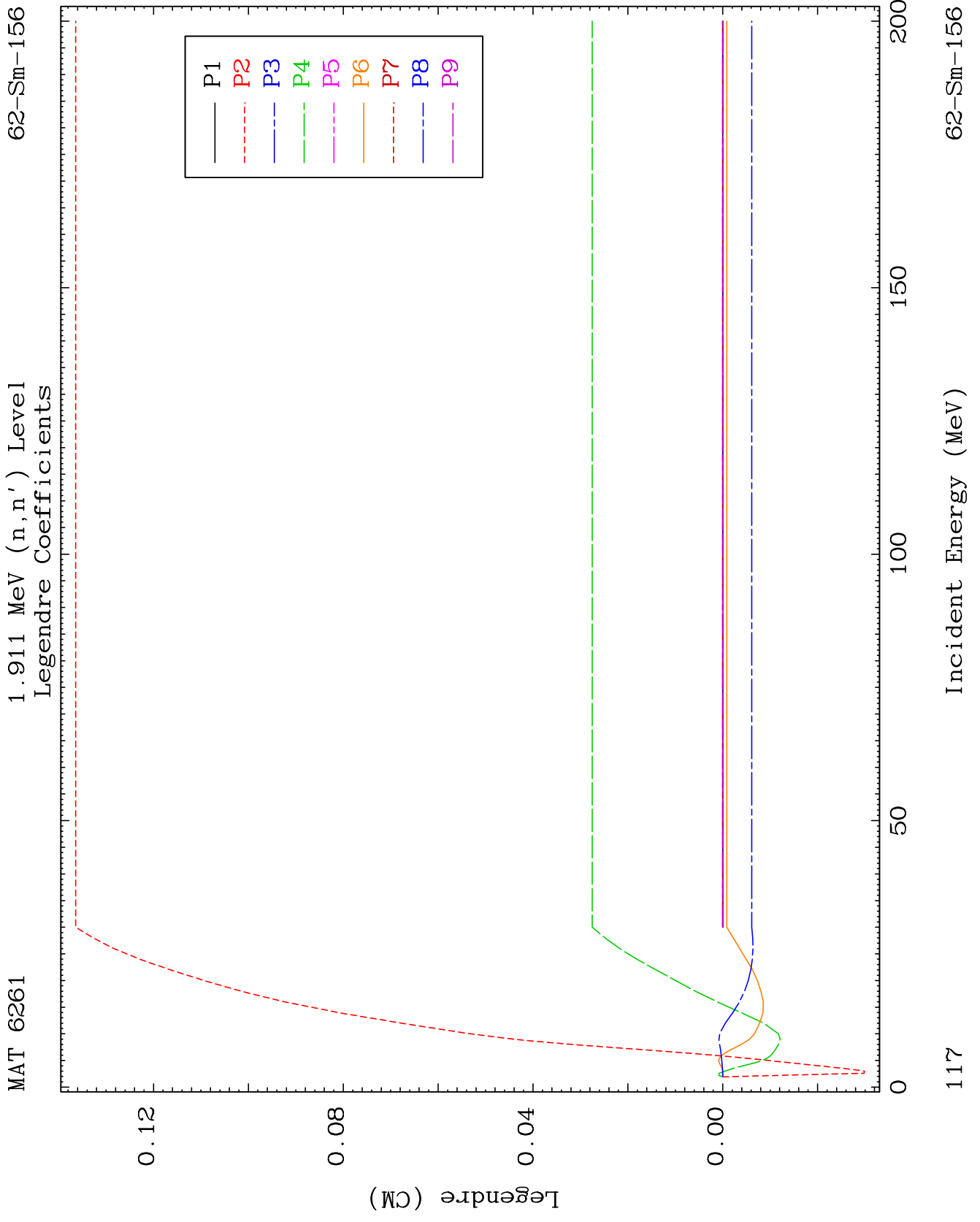
62-Sm-156







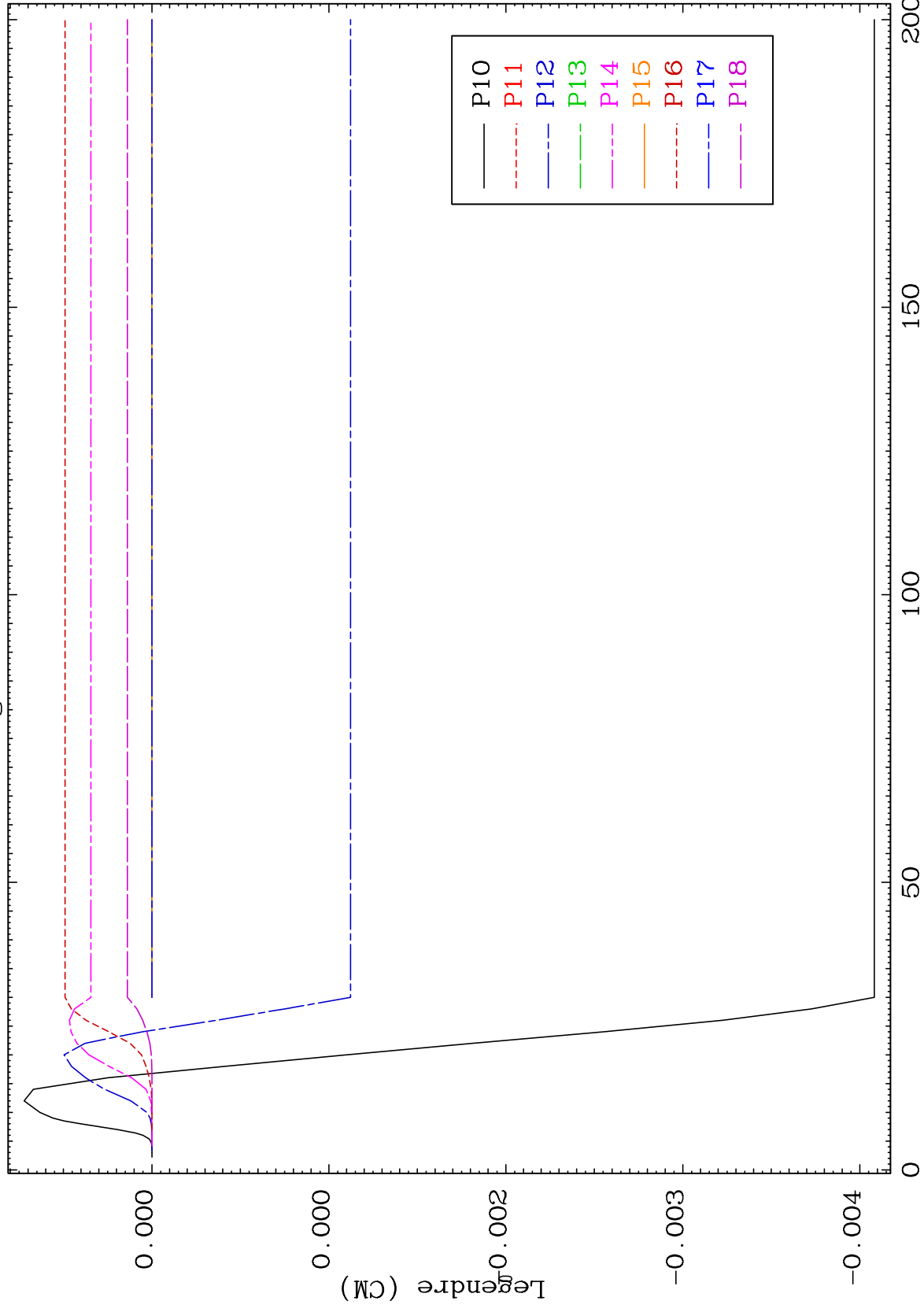




MAT 6261

1.911 MeV (n,n') Level
Legendre Coefficients

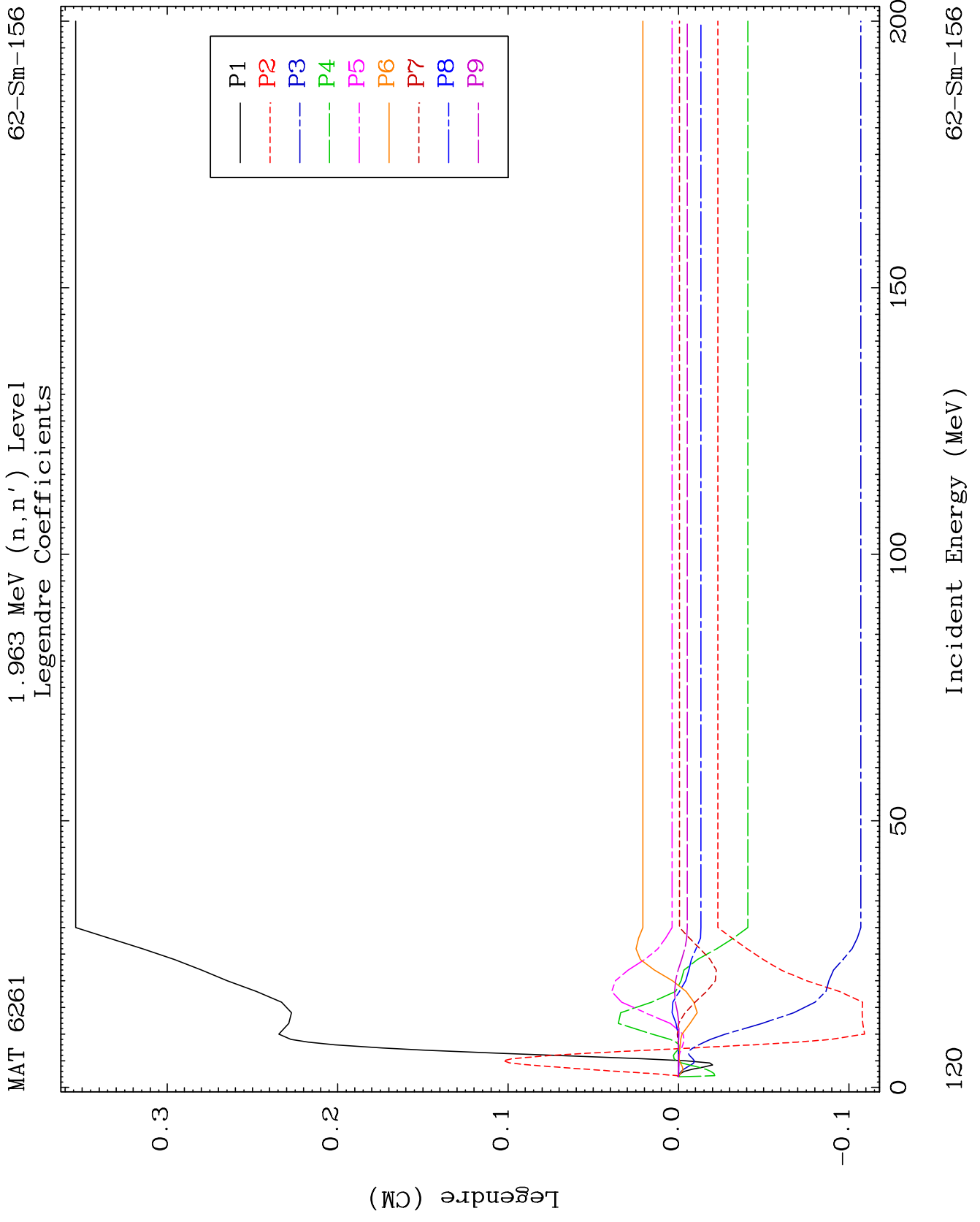
62-Sm-156

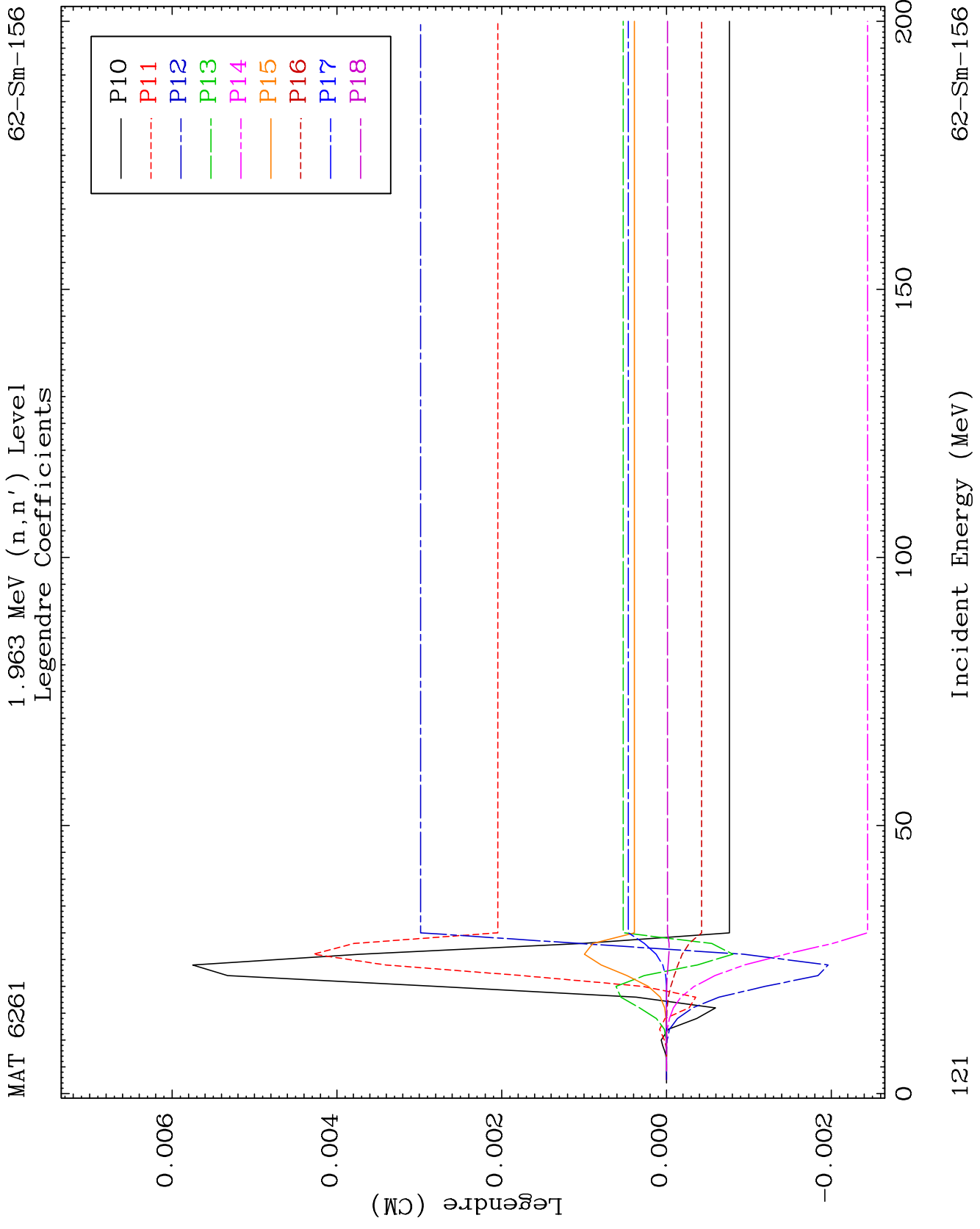


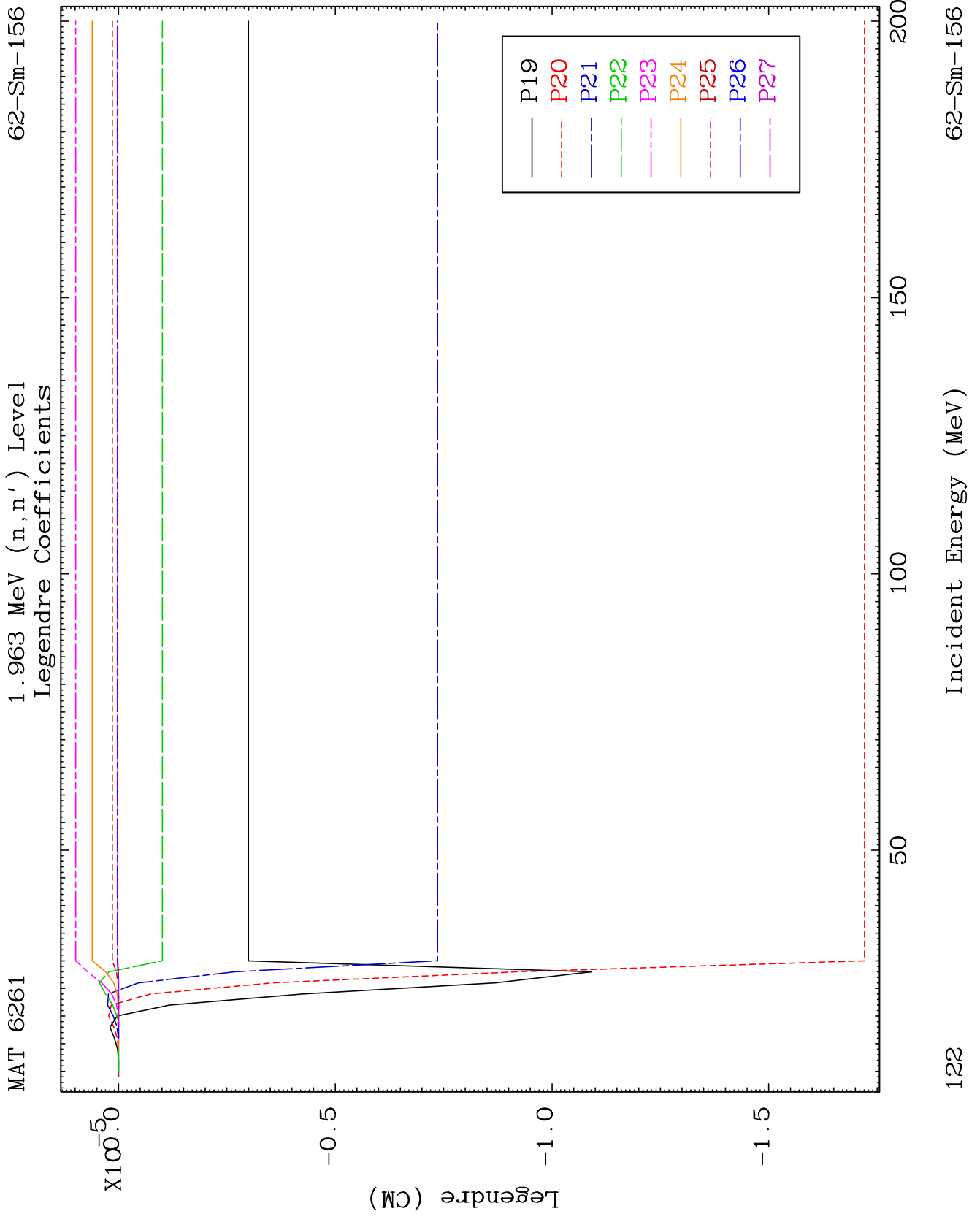
118

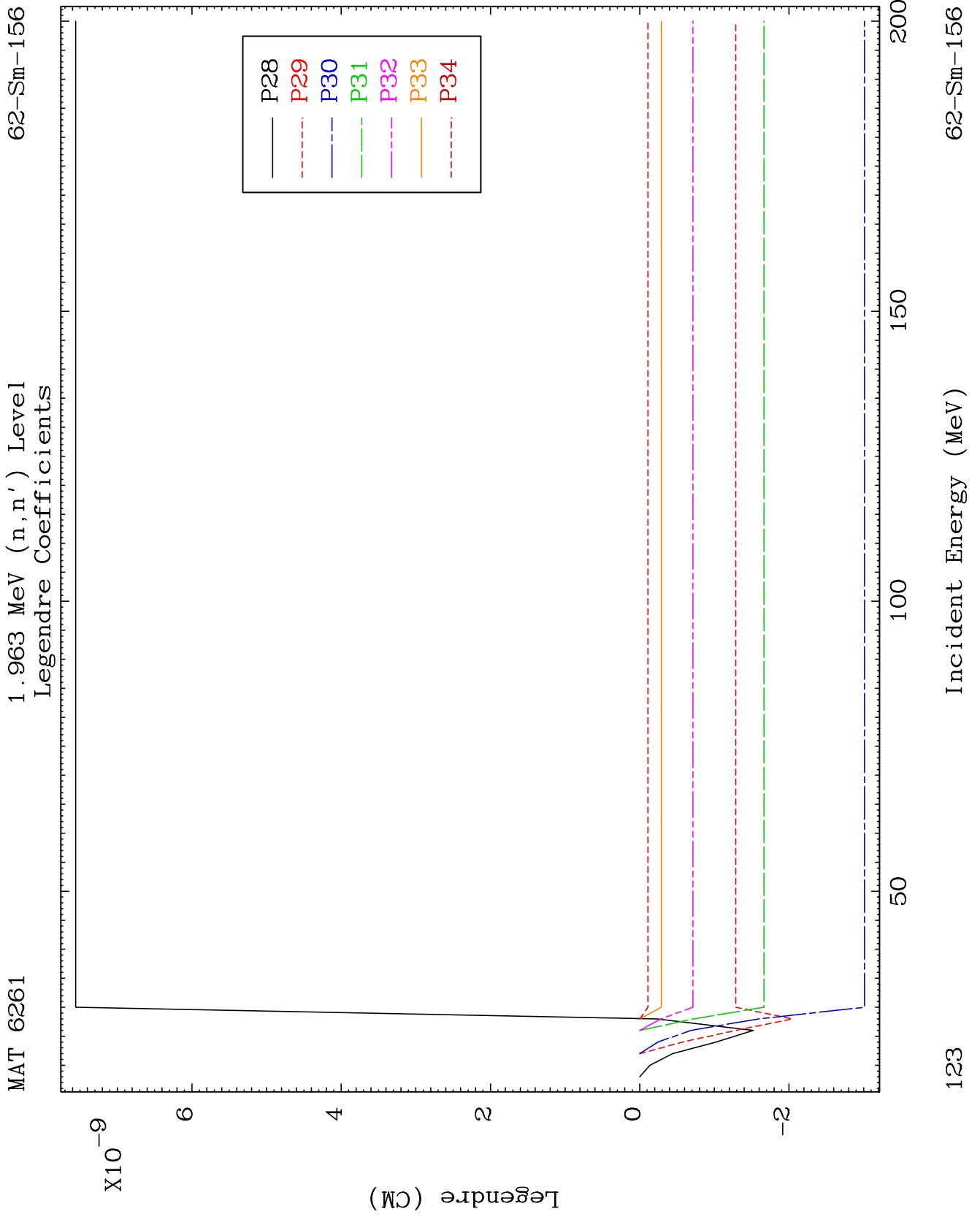
Incident Energy (MeV)

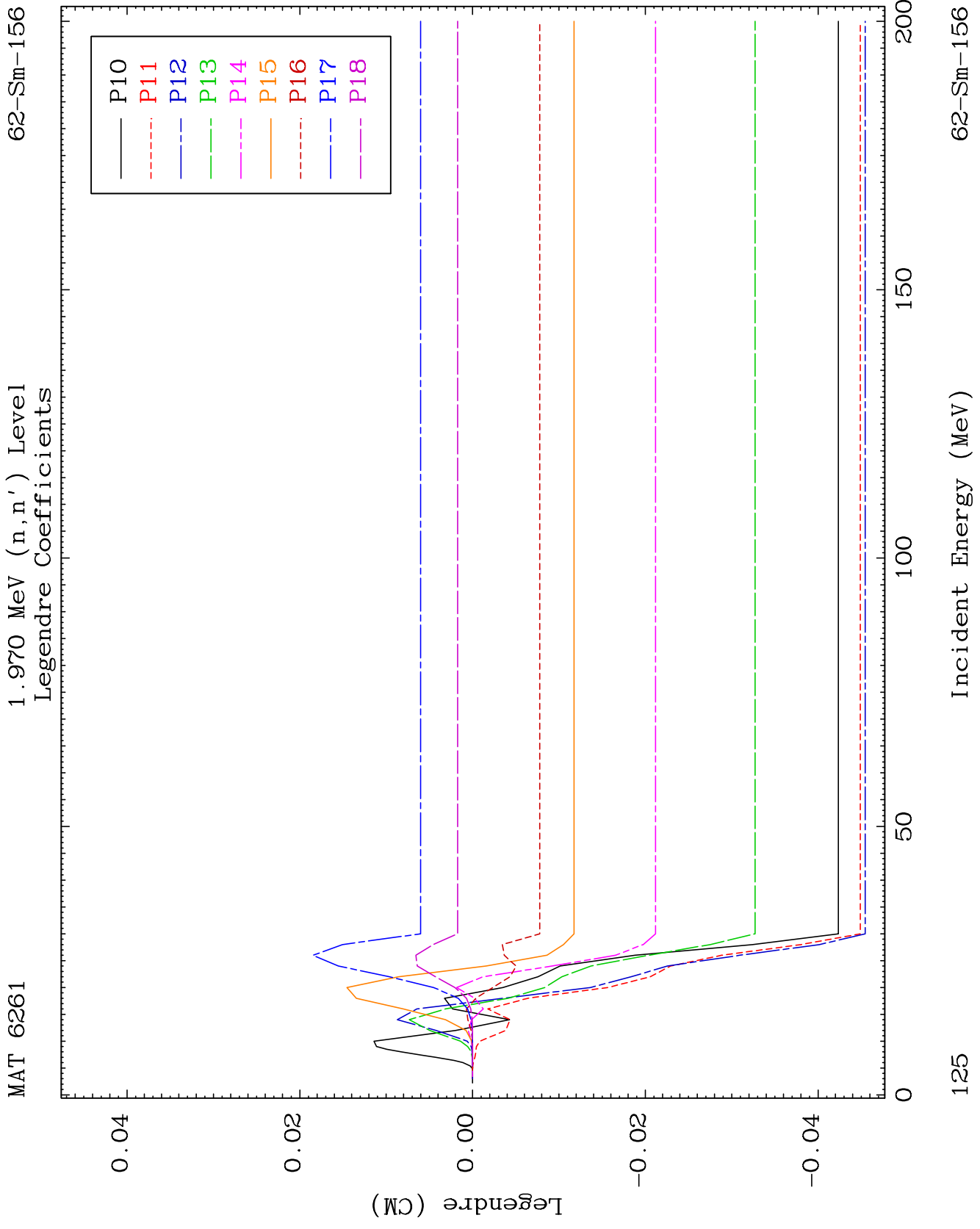
62-Sm-156

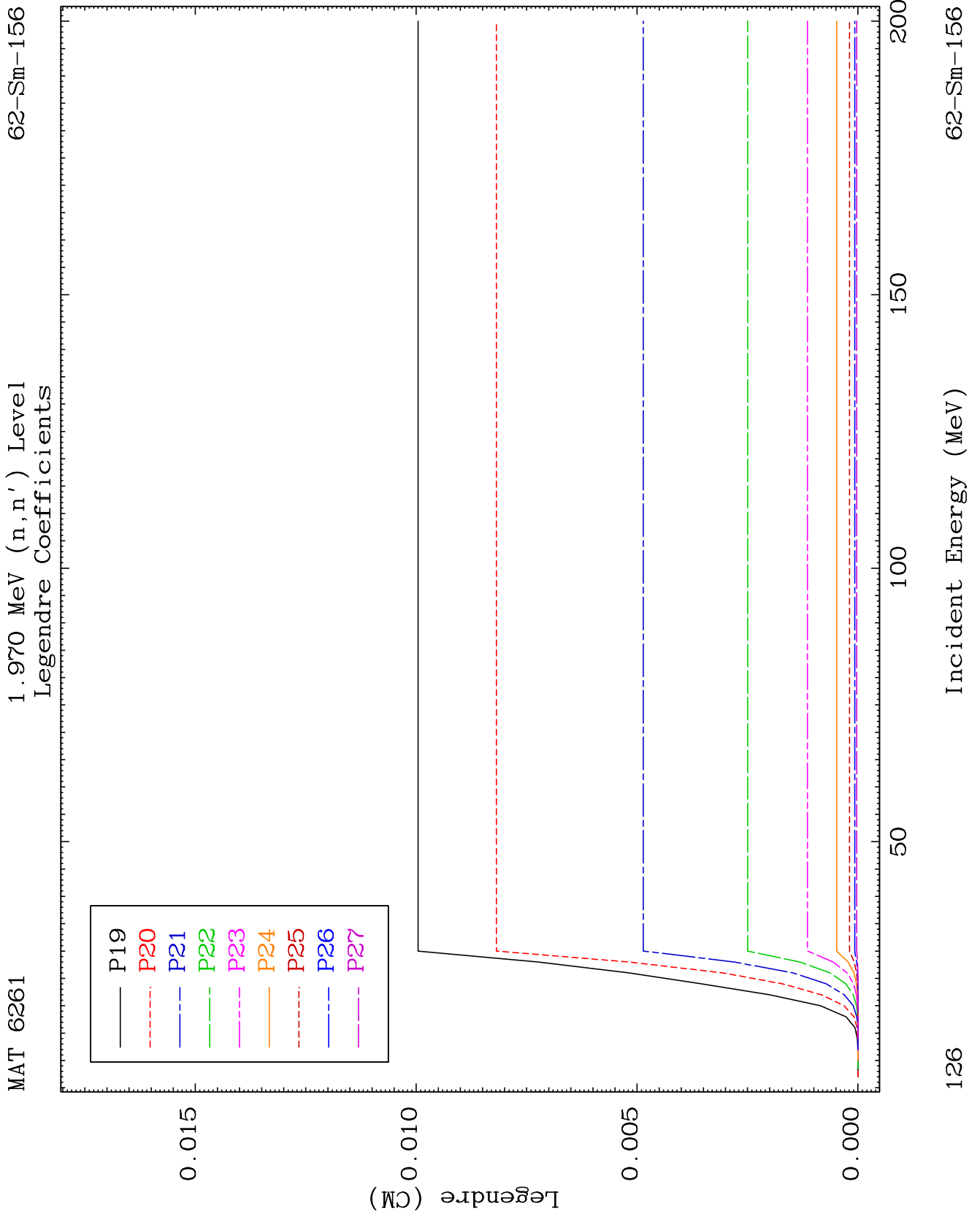


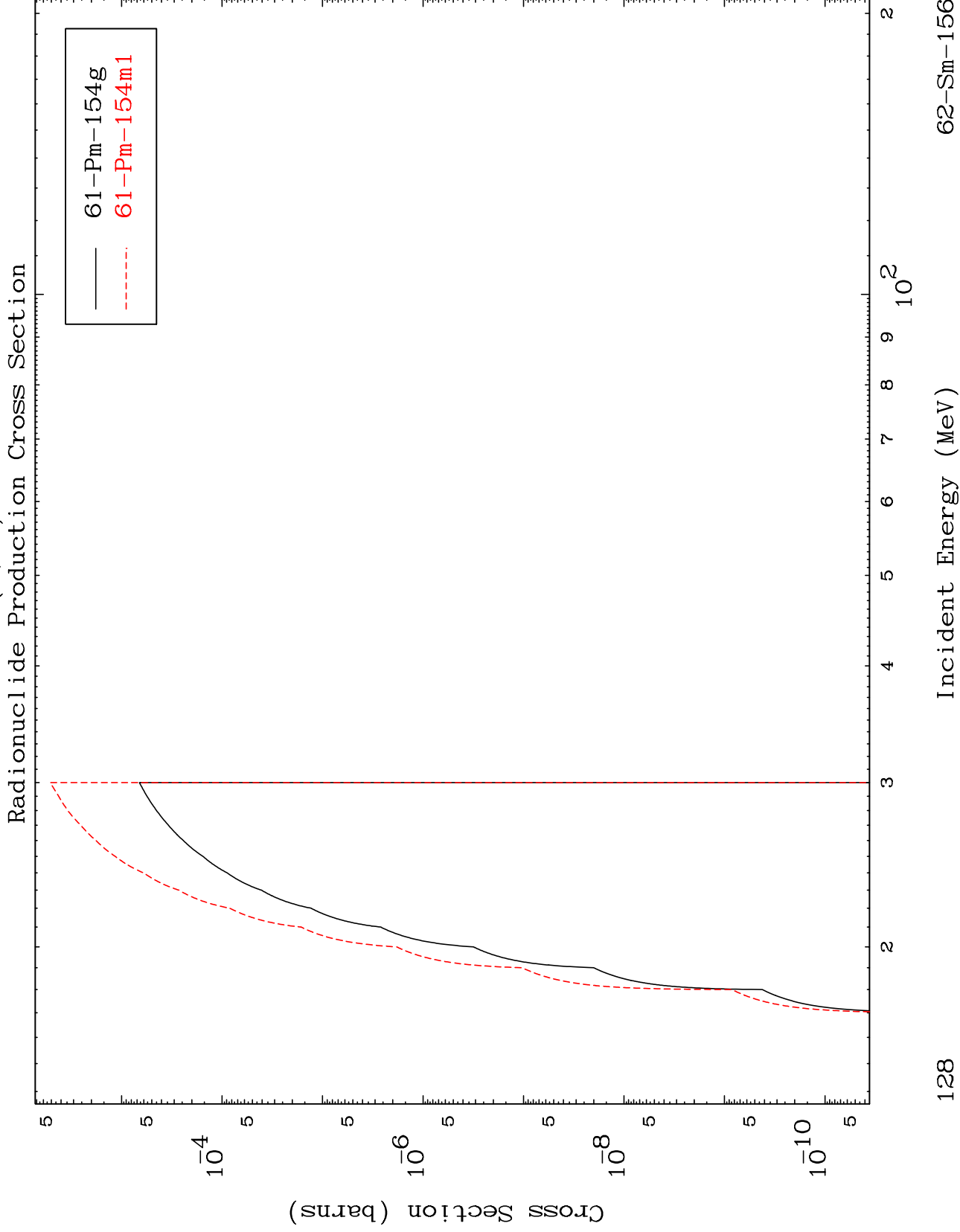




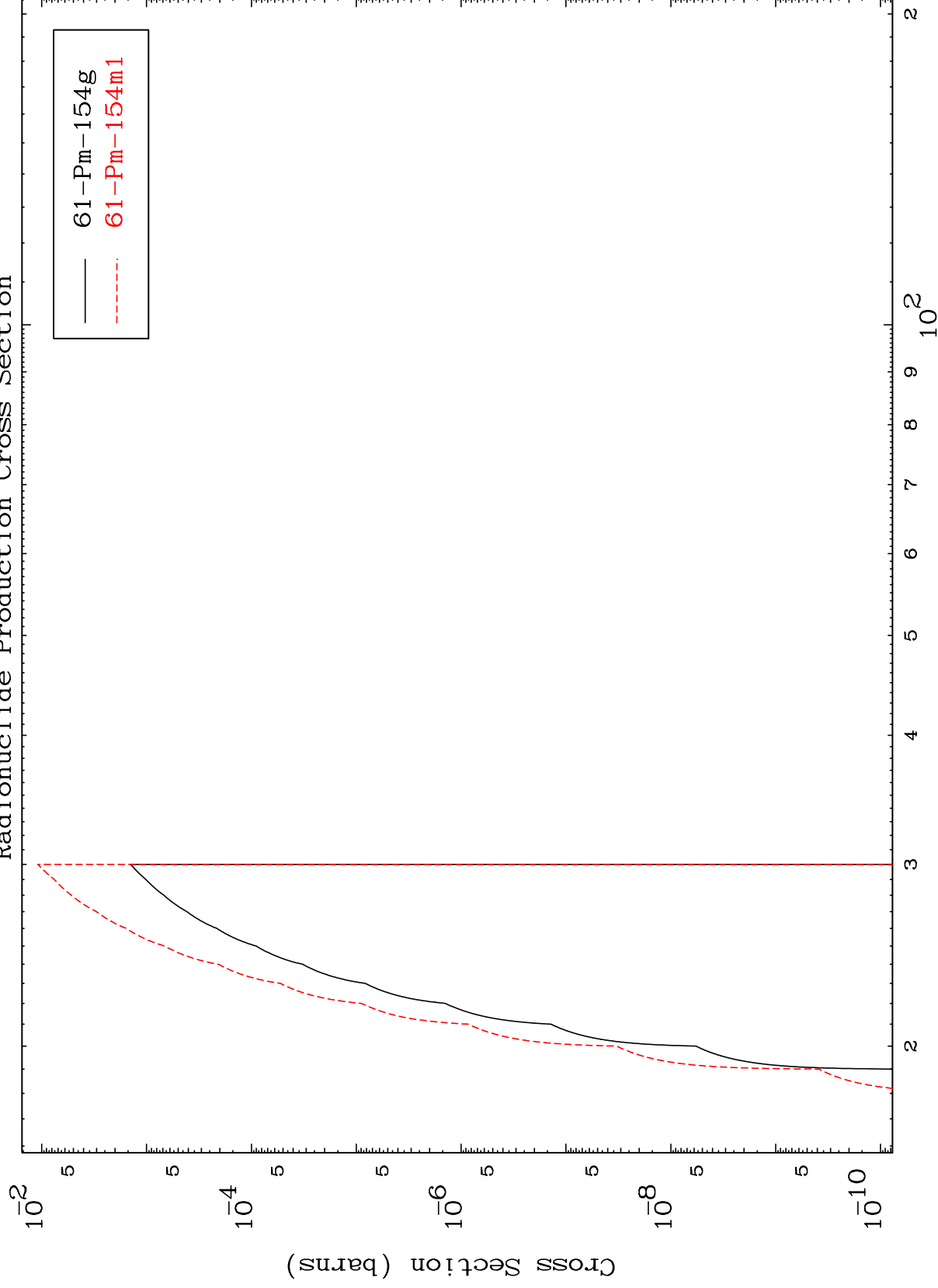








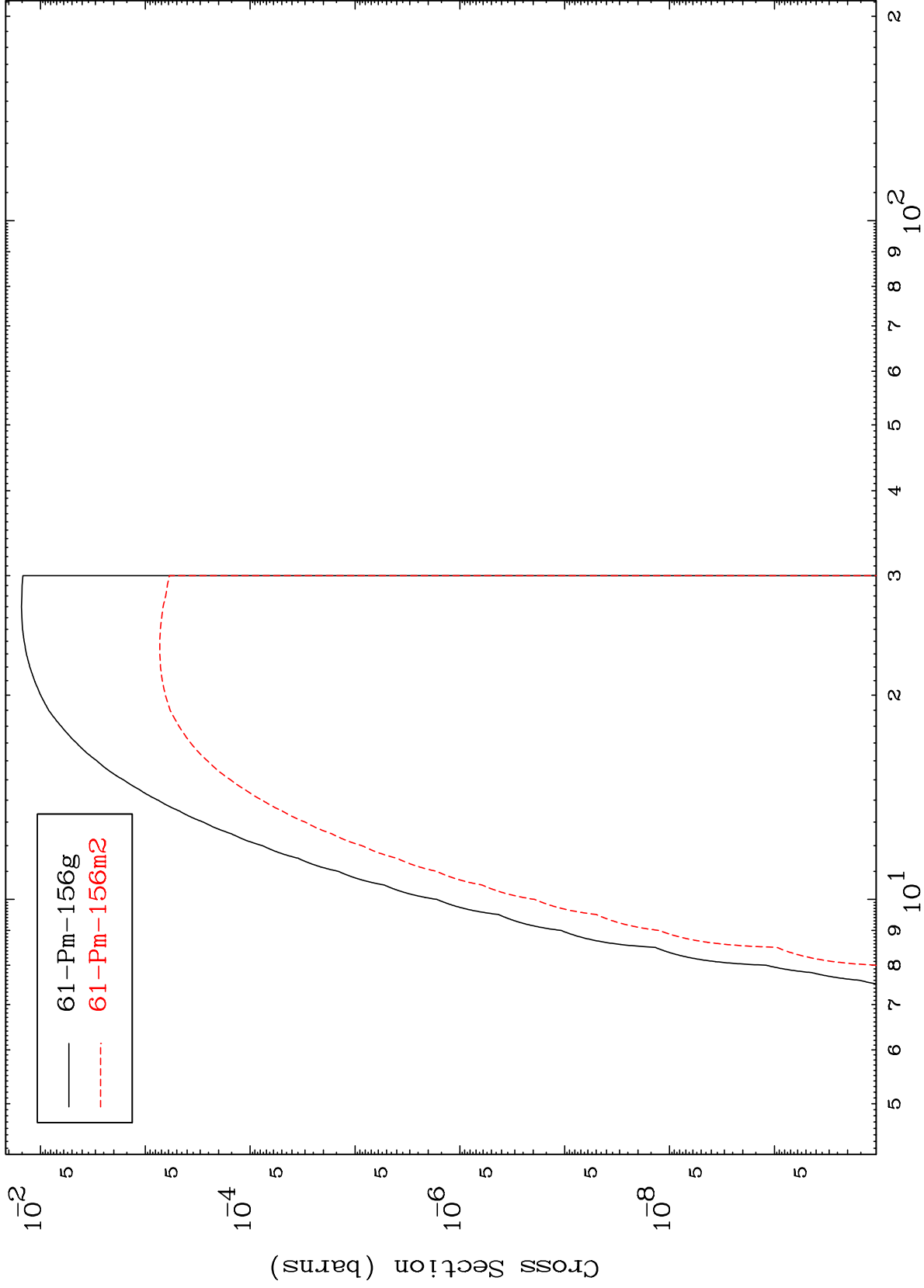
Radionuclide Production Cross Section



MAT 6261

62-Sm-156

(n,p)
Radionuclide Production Cross Section



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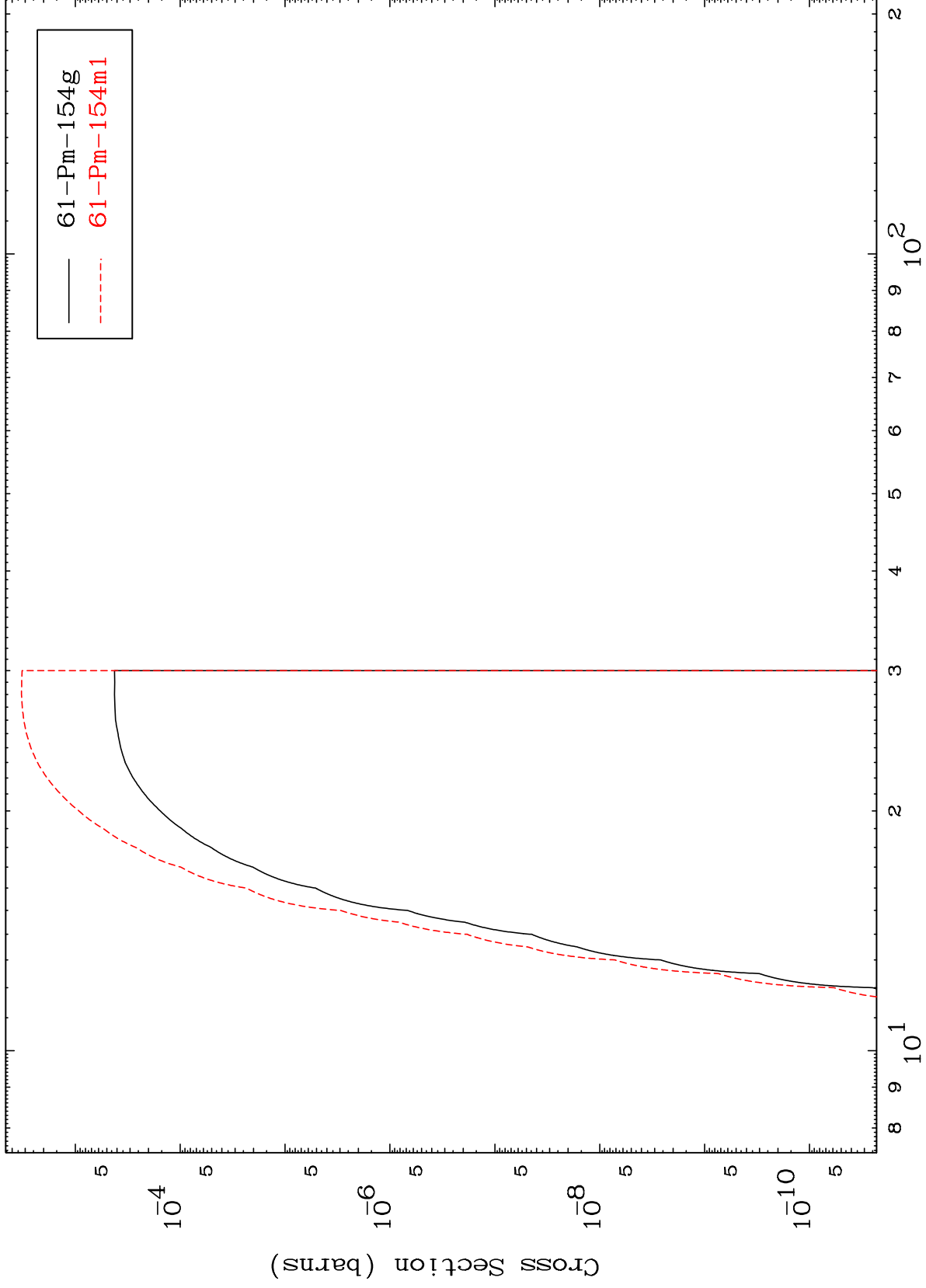
Incident Energy (MeV)

62-Sm-156

MAT 6261

62-Sm-156

(n,t)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

62-Sm-156