

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

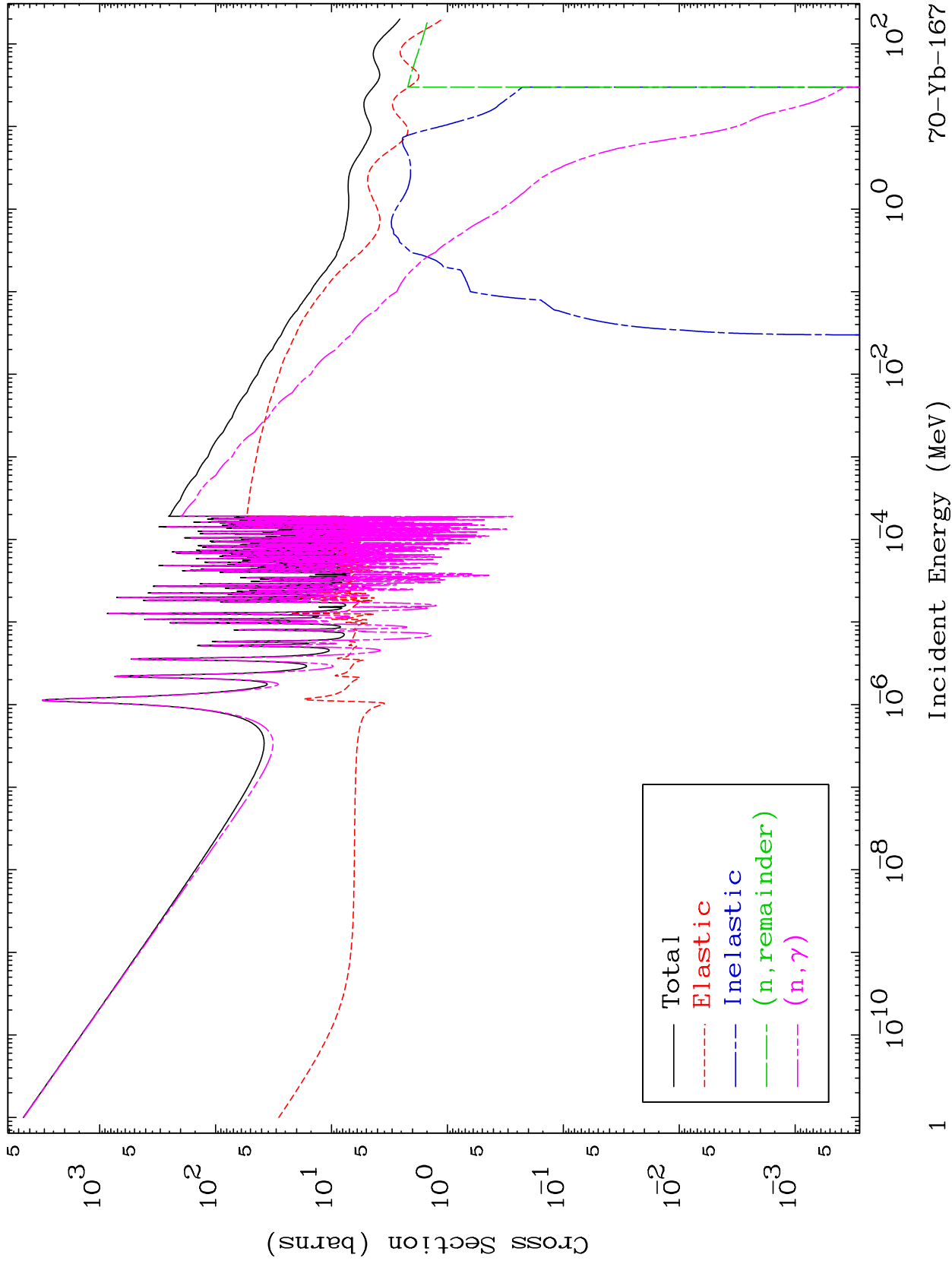
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7022

Major
293 Kelvin Cross Sections

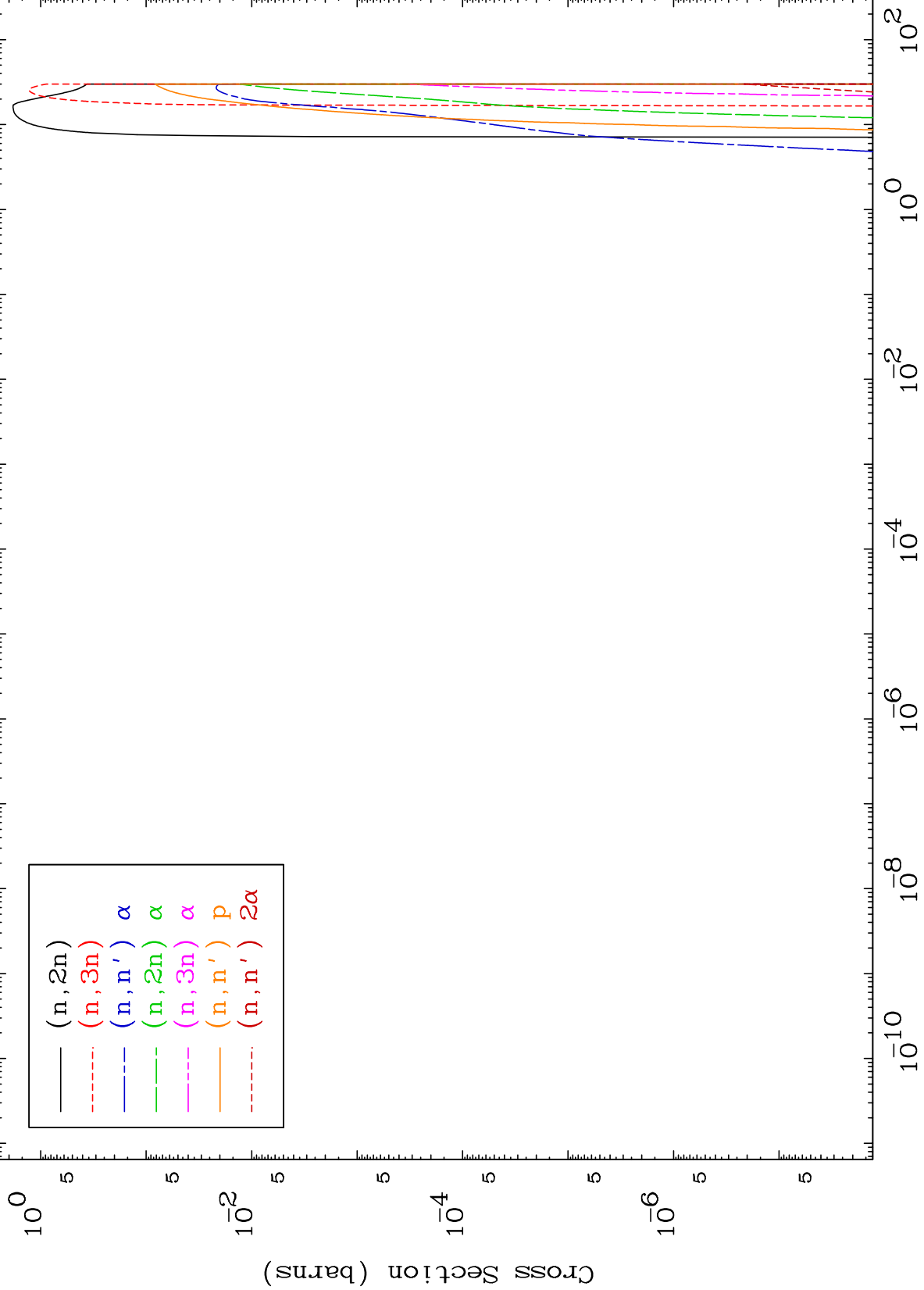
70-Yb-167



MAT 7022

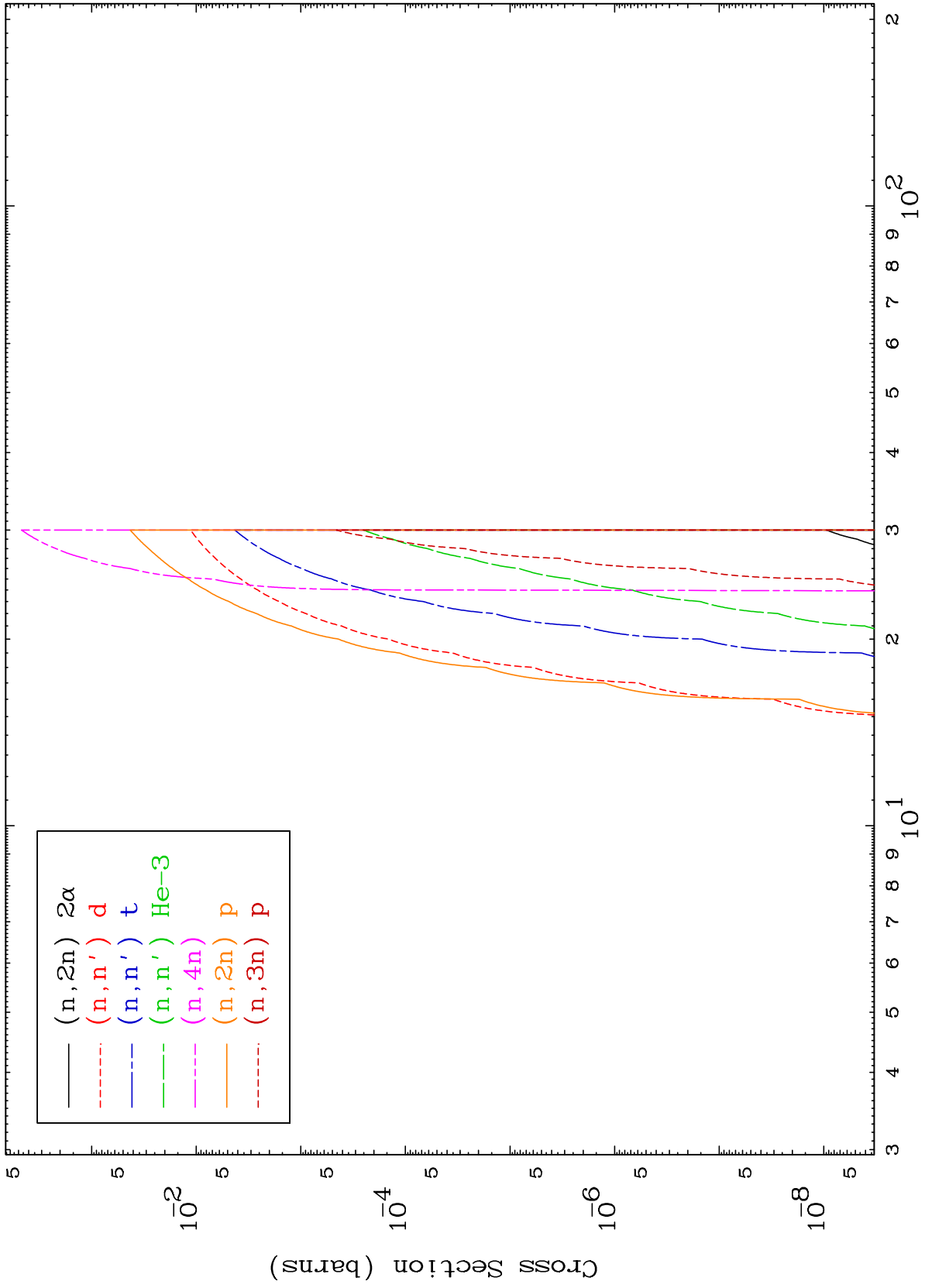
Neutron Production
293 Kelvin Cross Sections

70-Yb-167



70-Yb-167

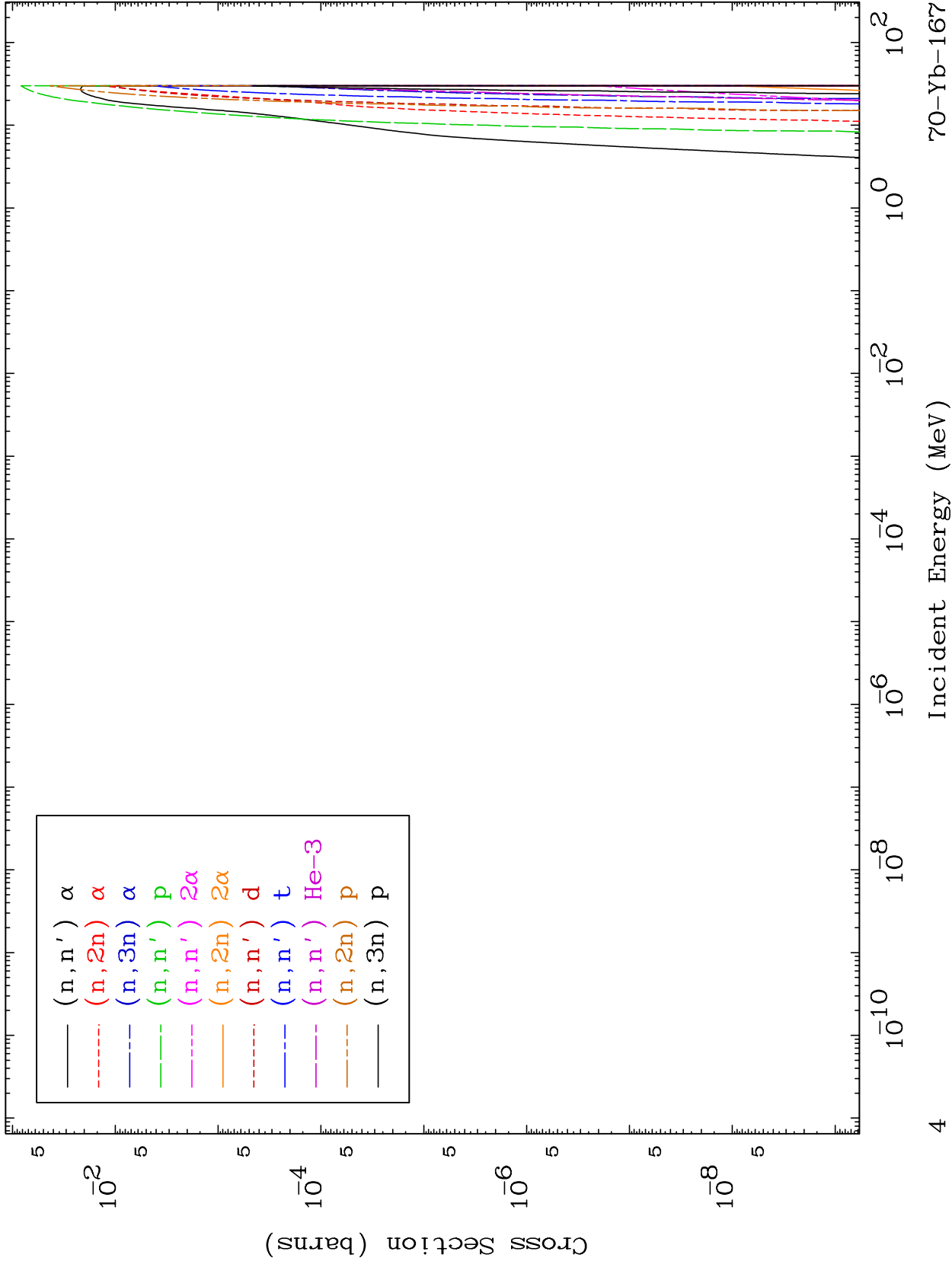
Incident Energy (MeV)

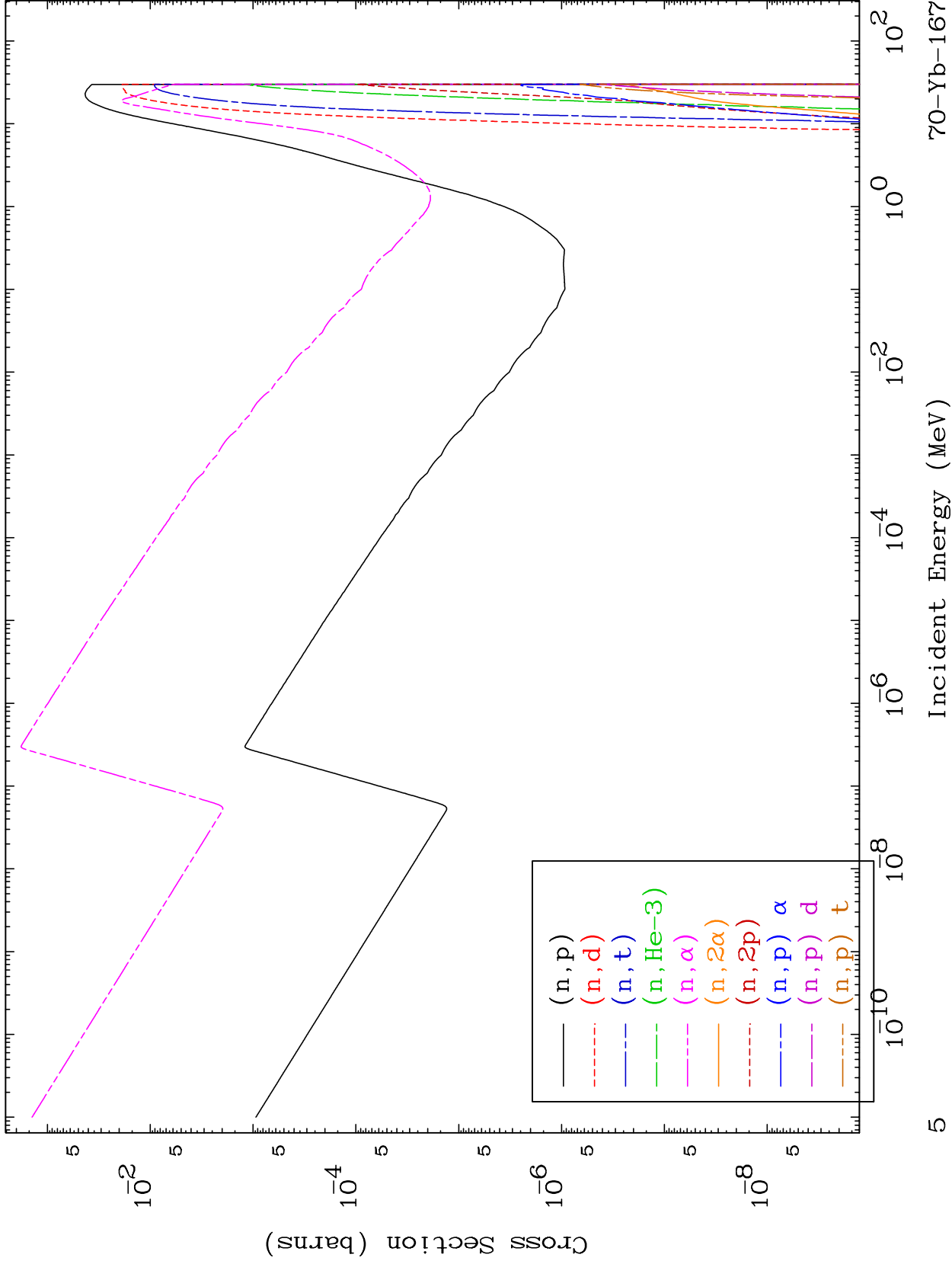


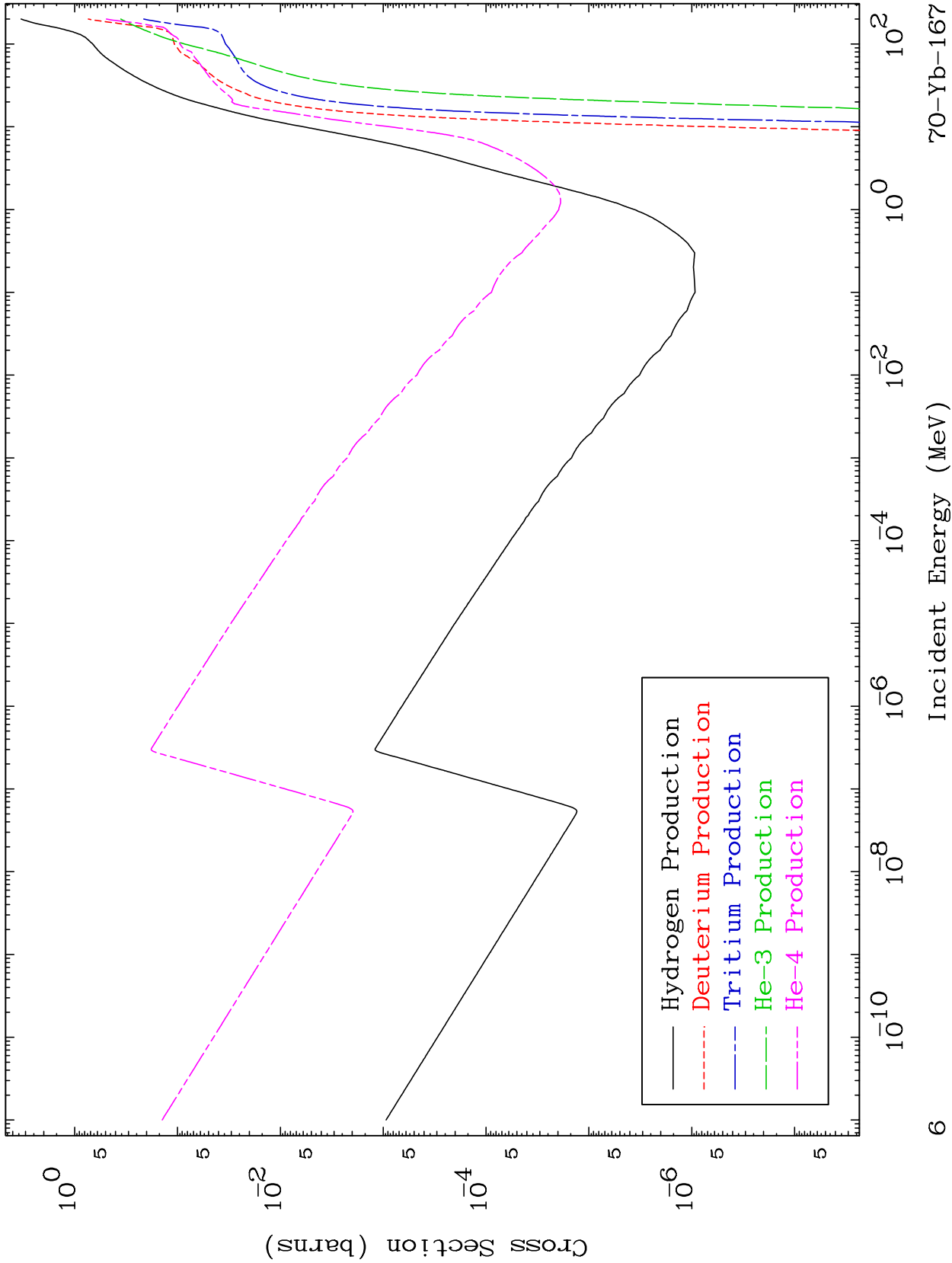
MAT 7022

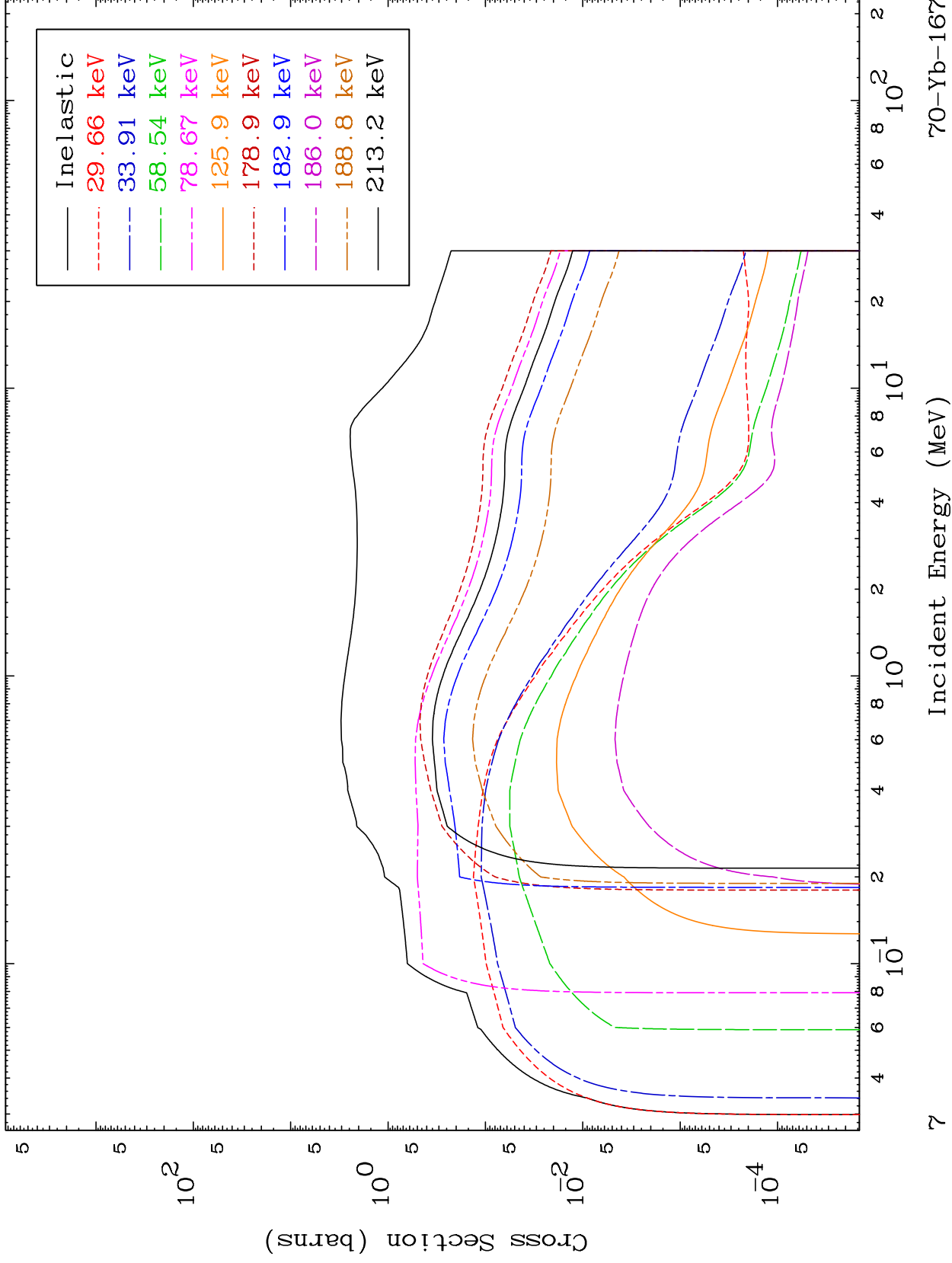
Charged Particle
293 Kelvin Cross Sections

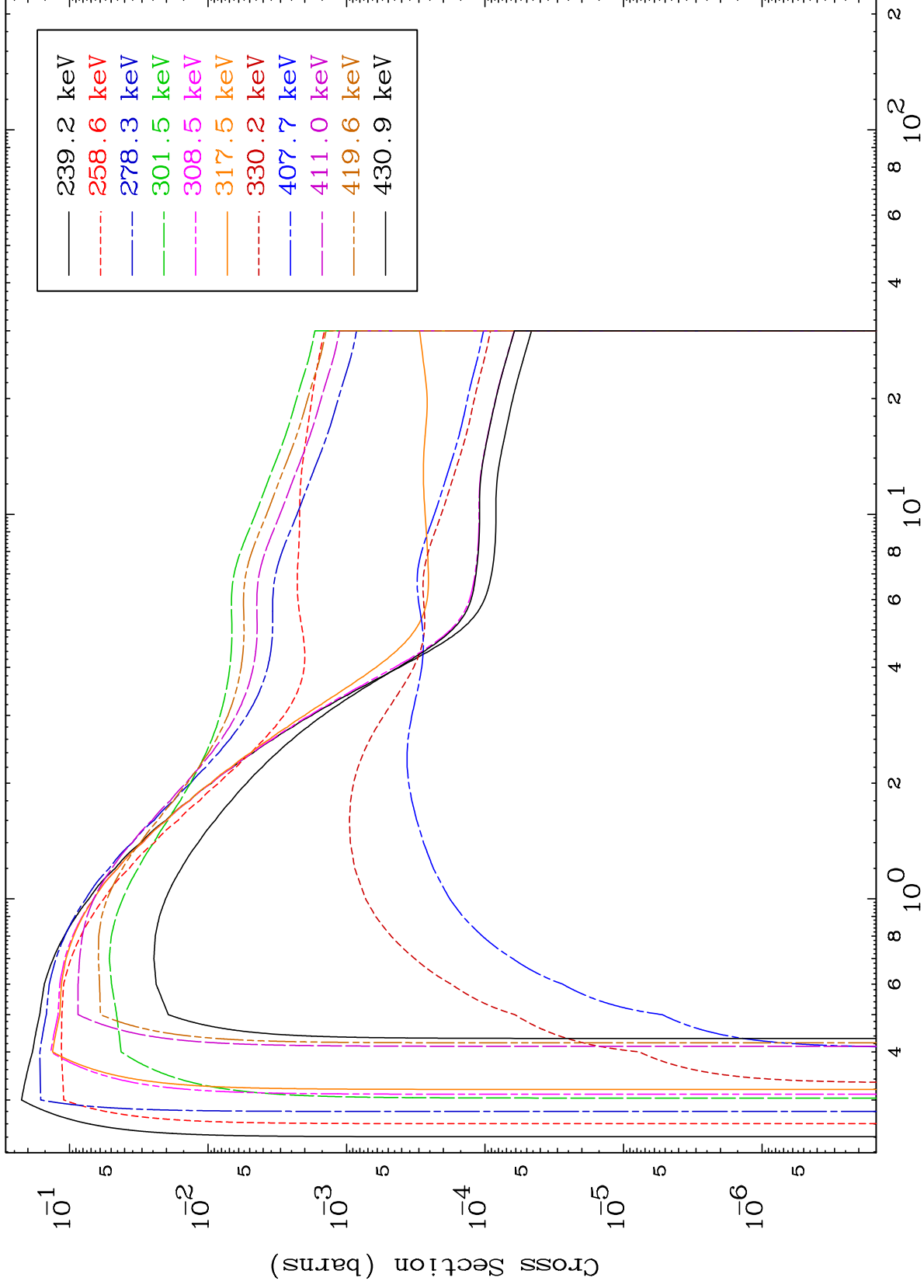
70-Yb-167

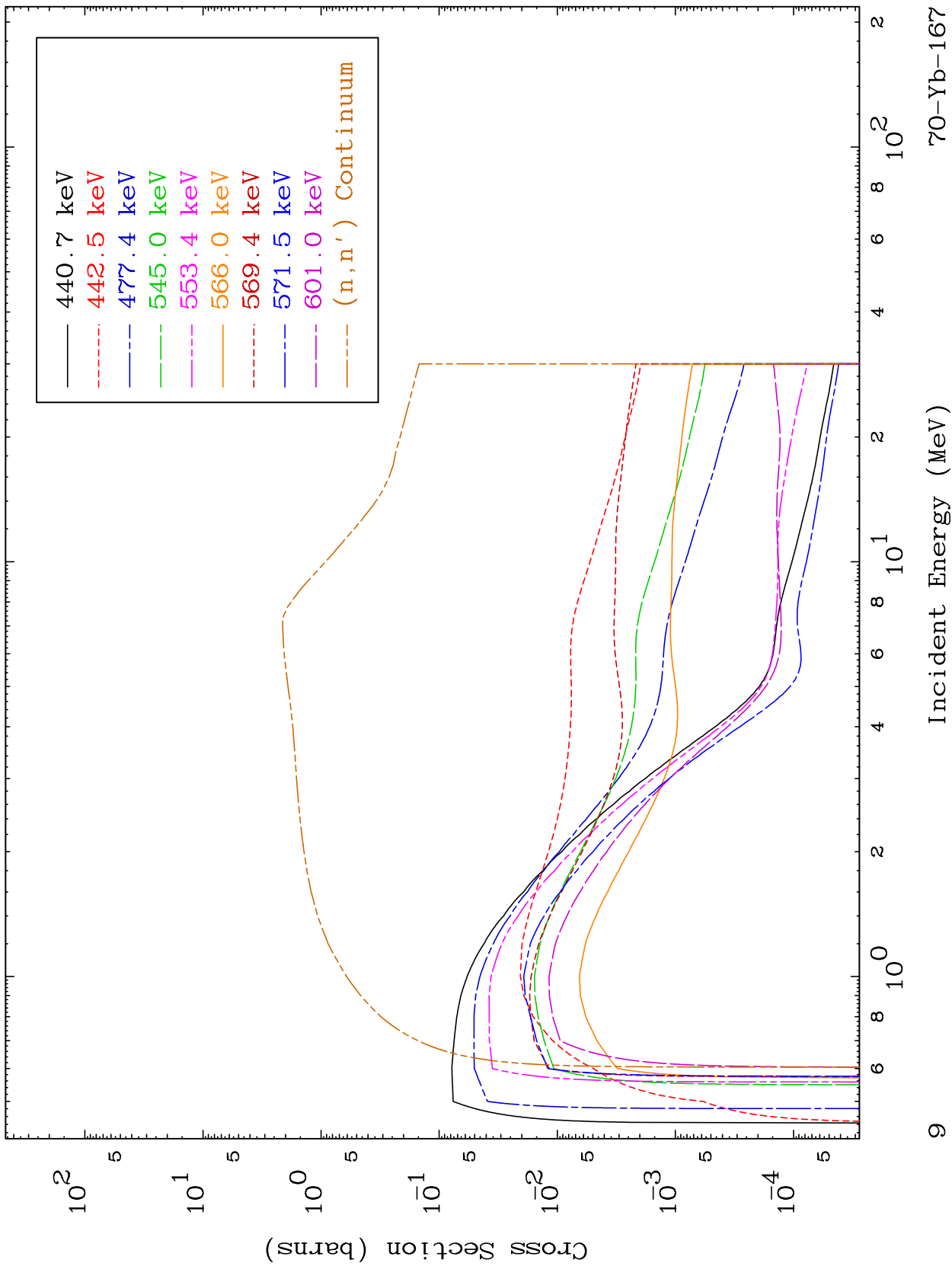








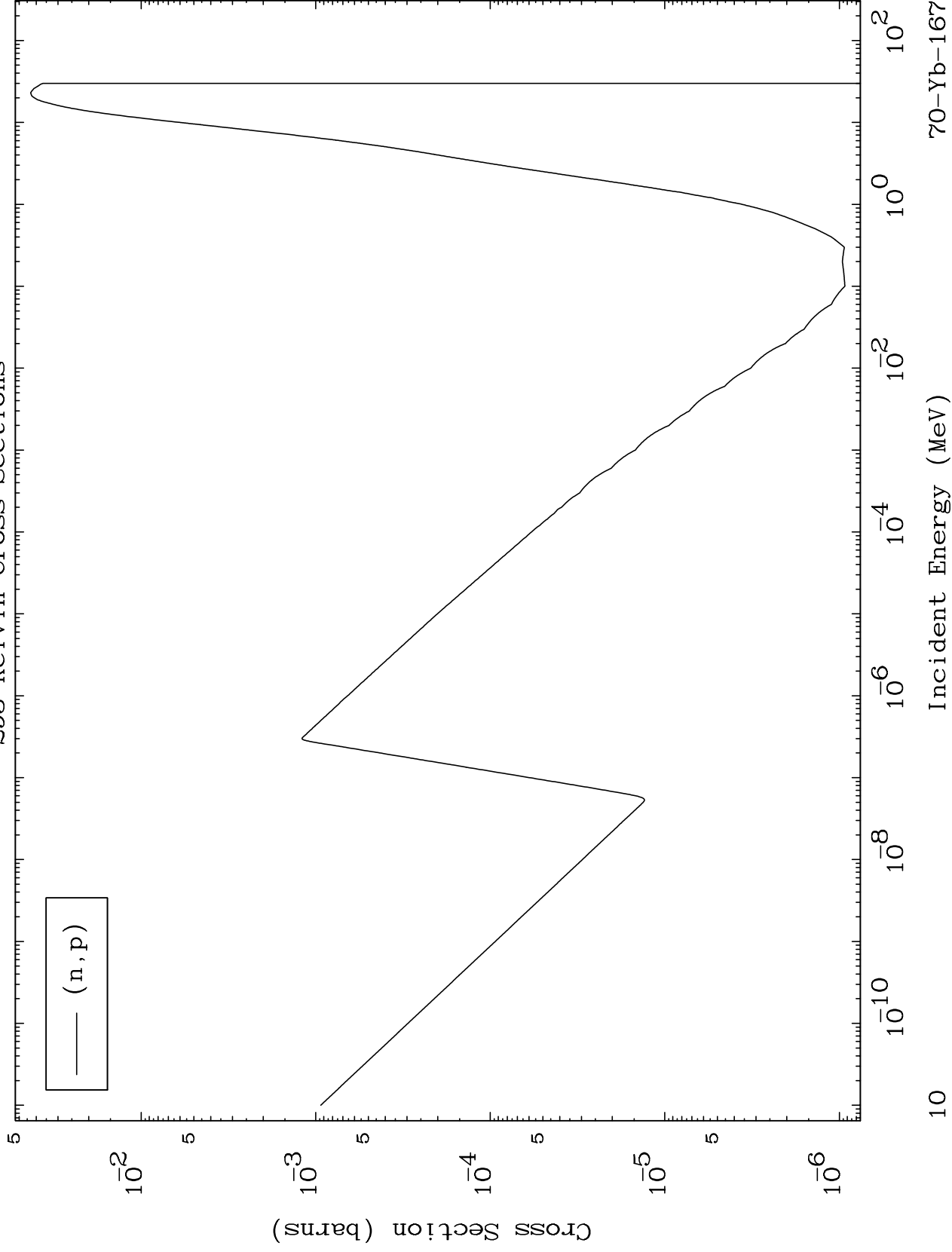




MAT 7022

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-167



10

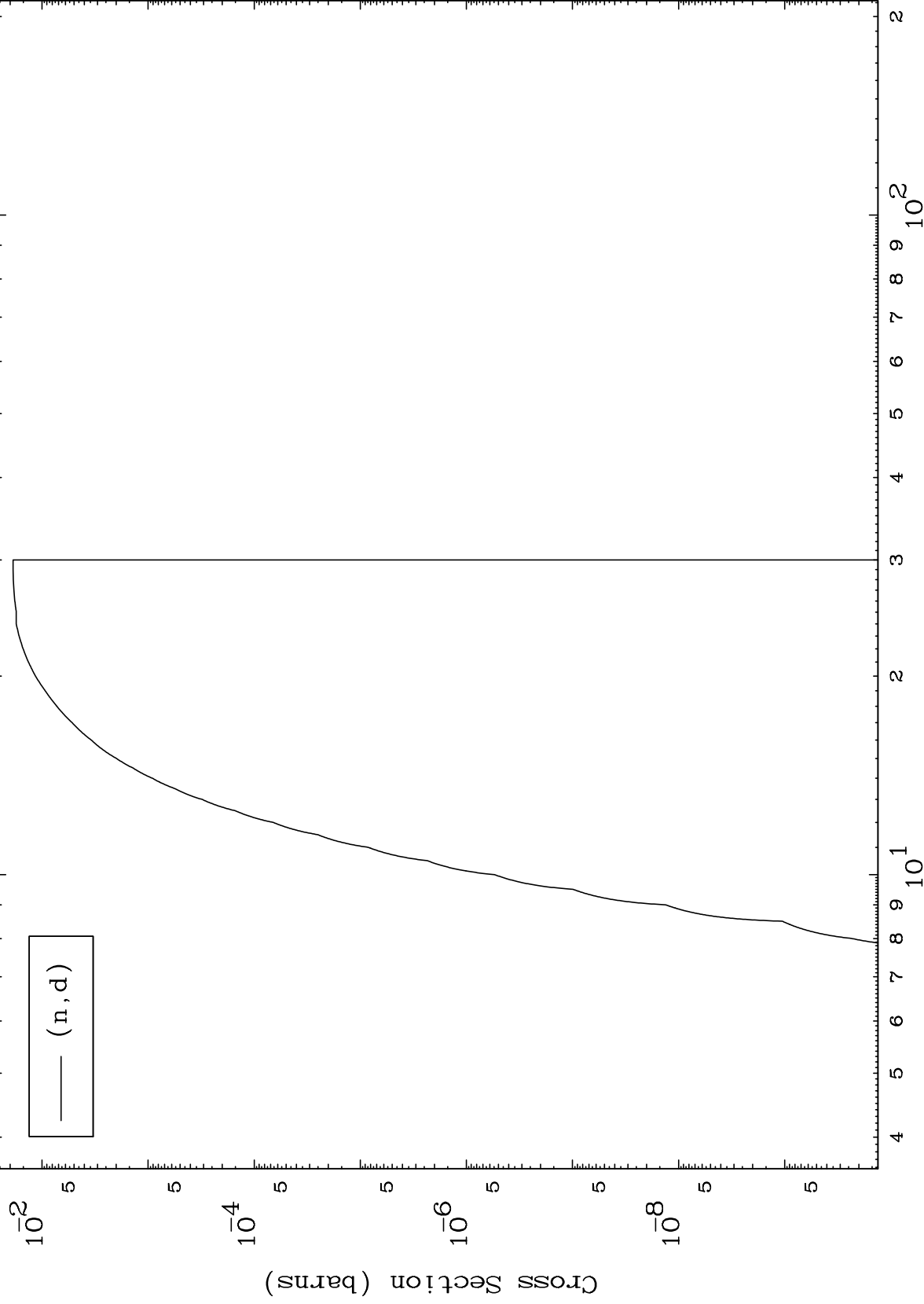
Incident Energy (MeV)

70-Yb-167

MAT 7022

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-167



11

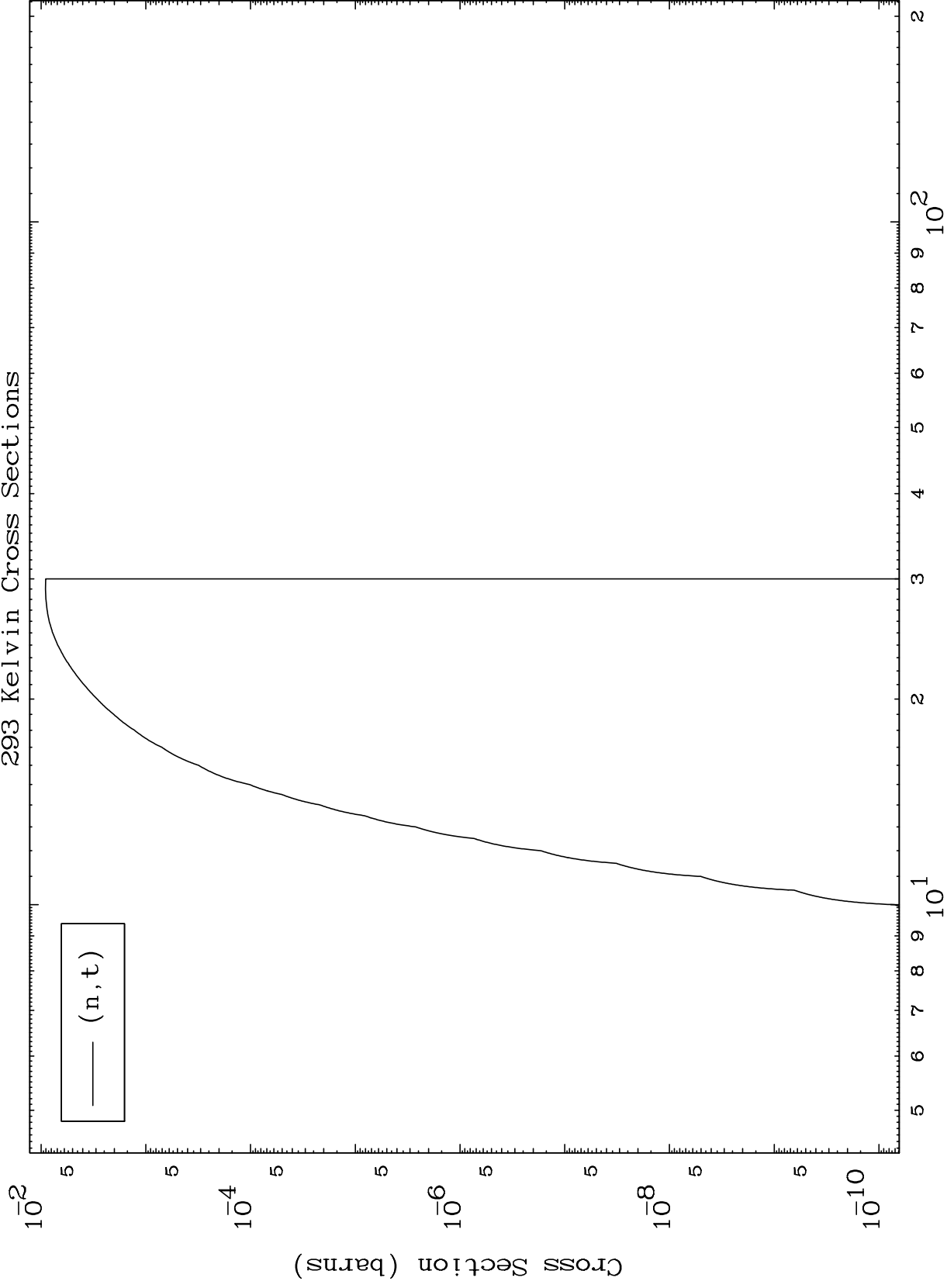
Incident Energy (MeV)

70-Yb-167

MAT 7022

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-167



12

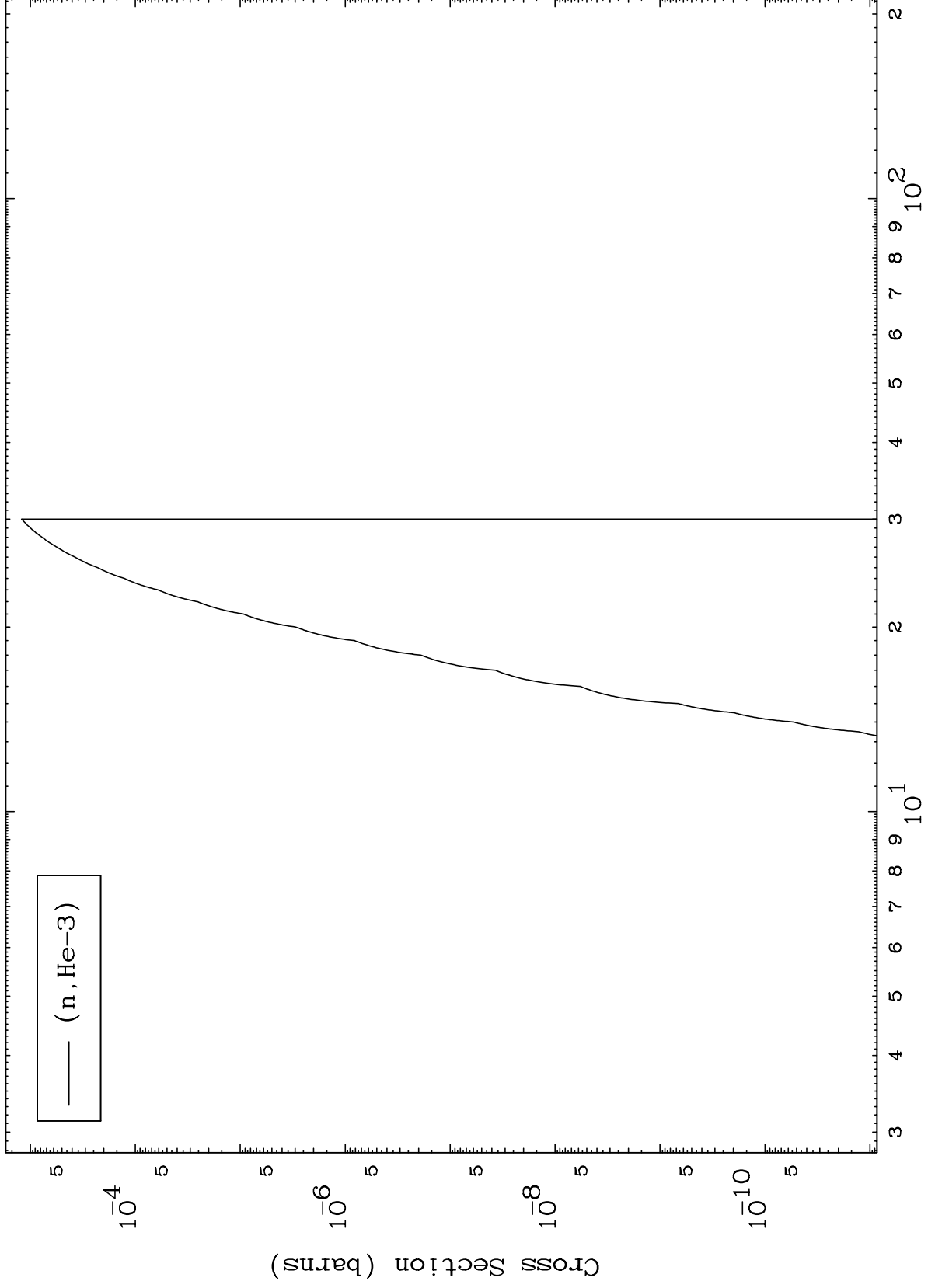
Incident Energy (MeV)

70-Yb-167

MAT 7022

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-167



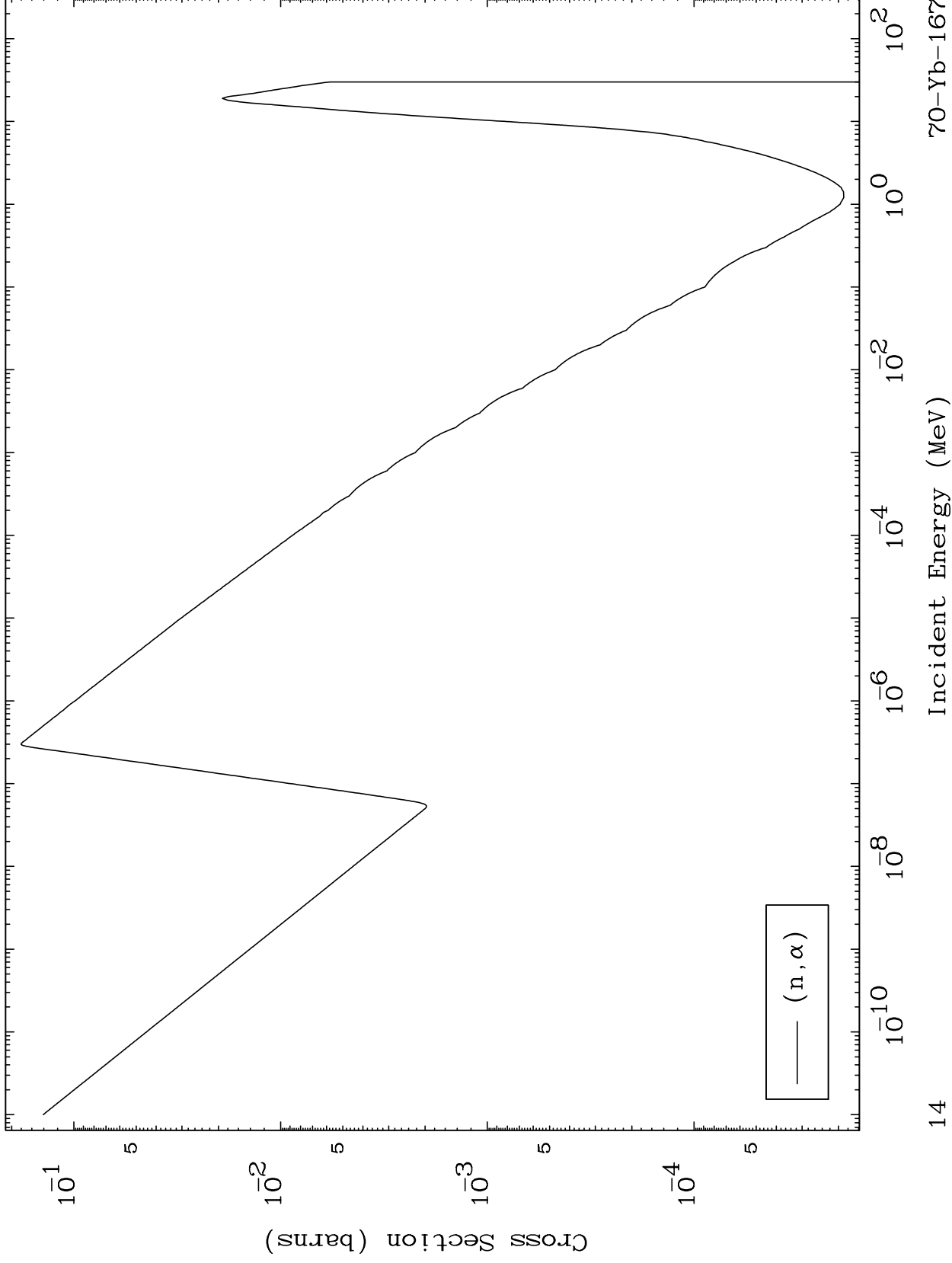
13

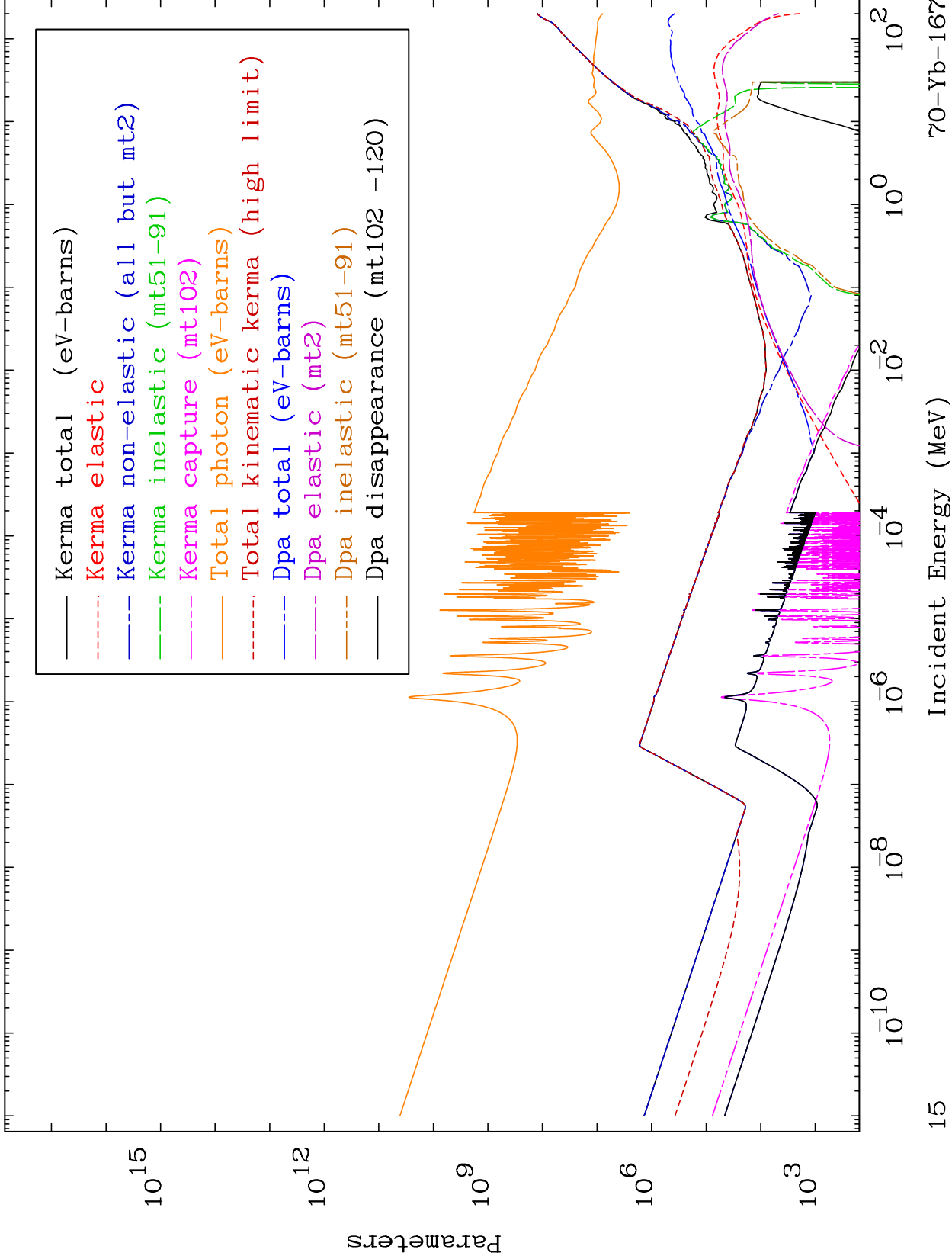
70-Yb-167

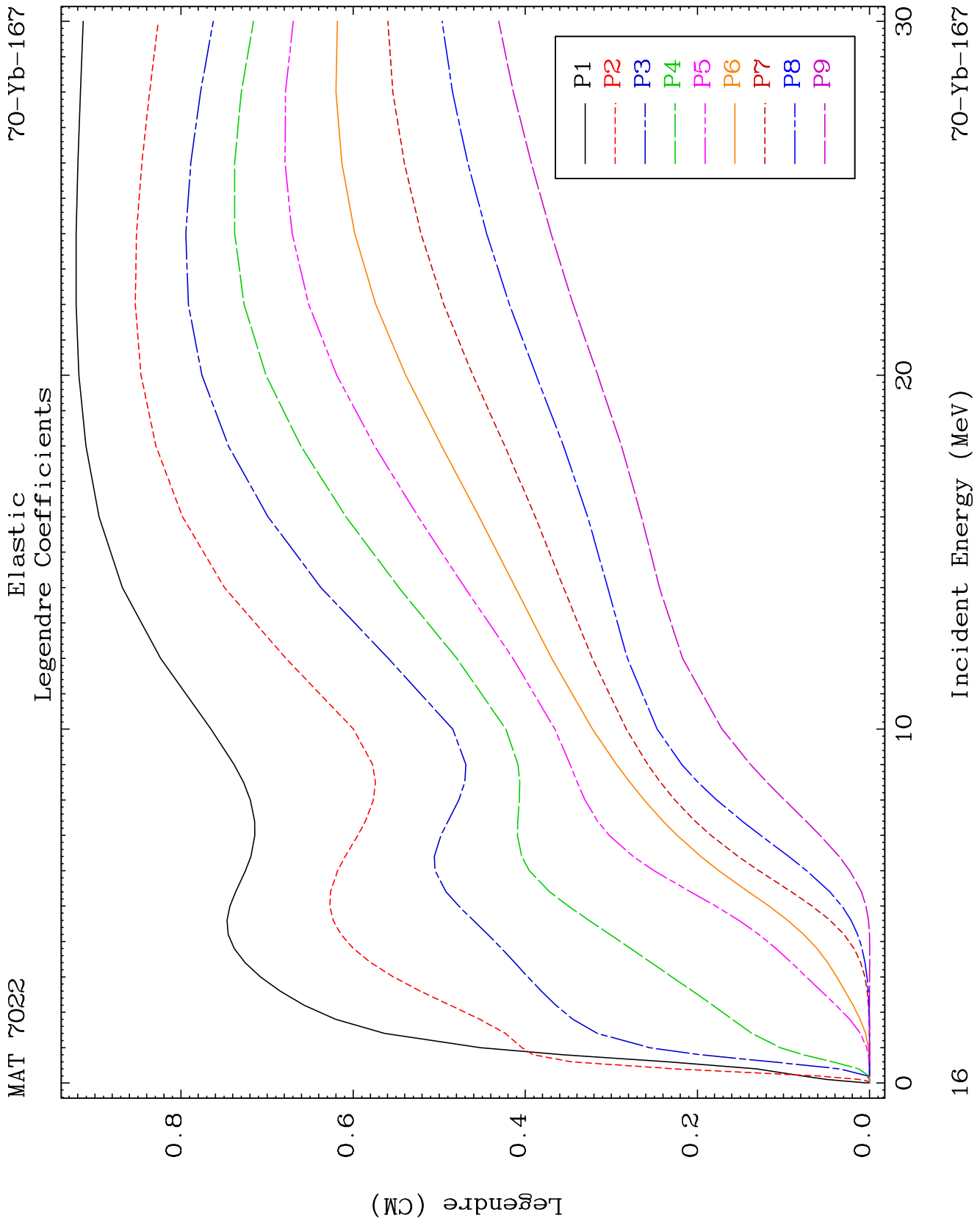
MAT 7022

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-167



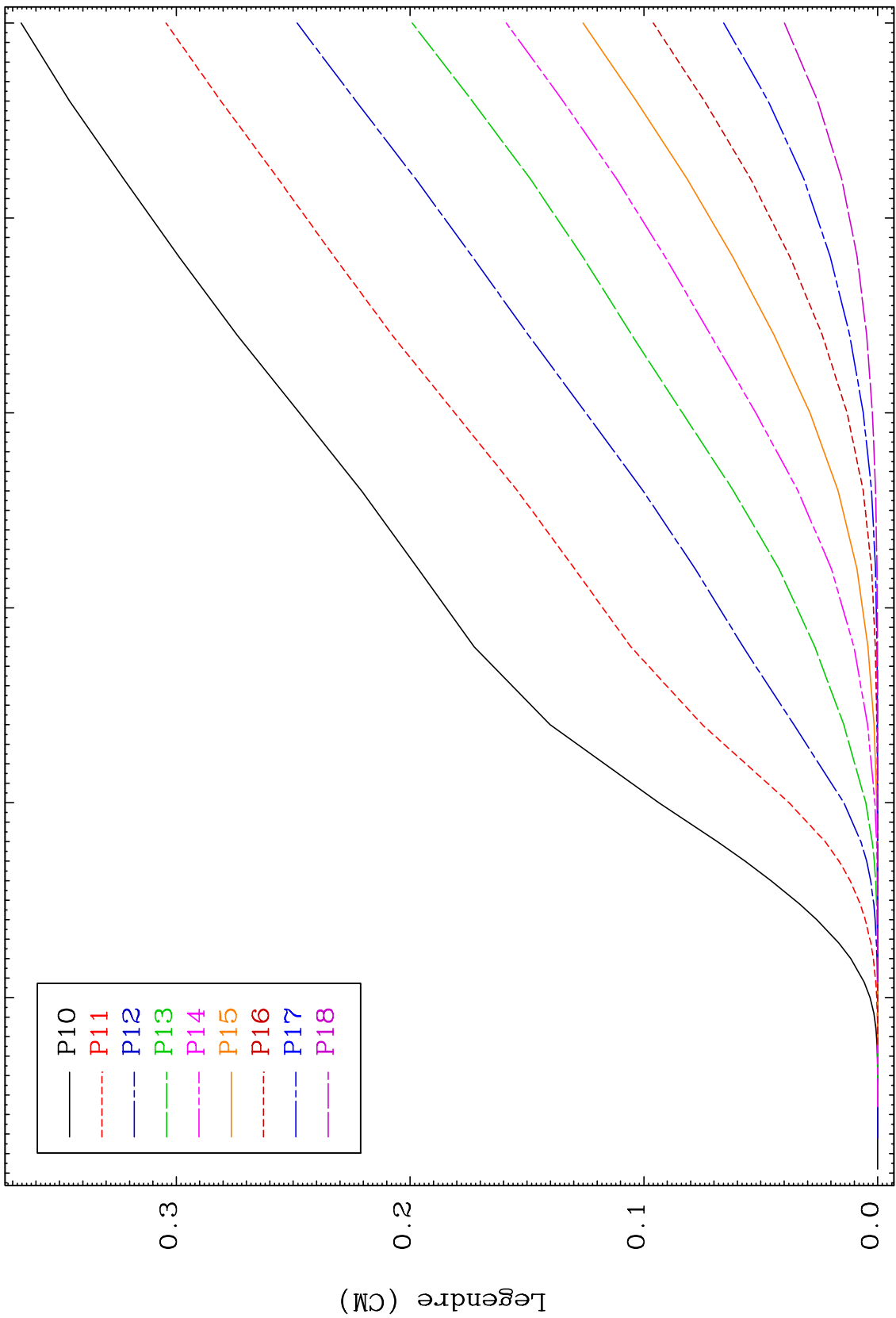




MAT 7022

Elastic Legendre Coefficients

70-Yb-167



17

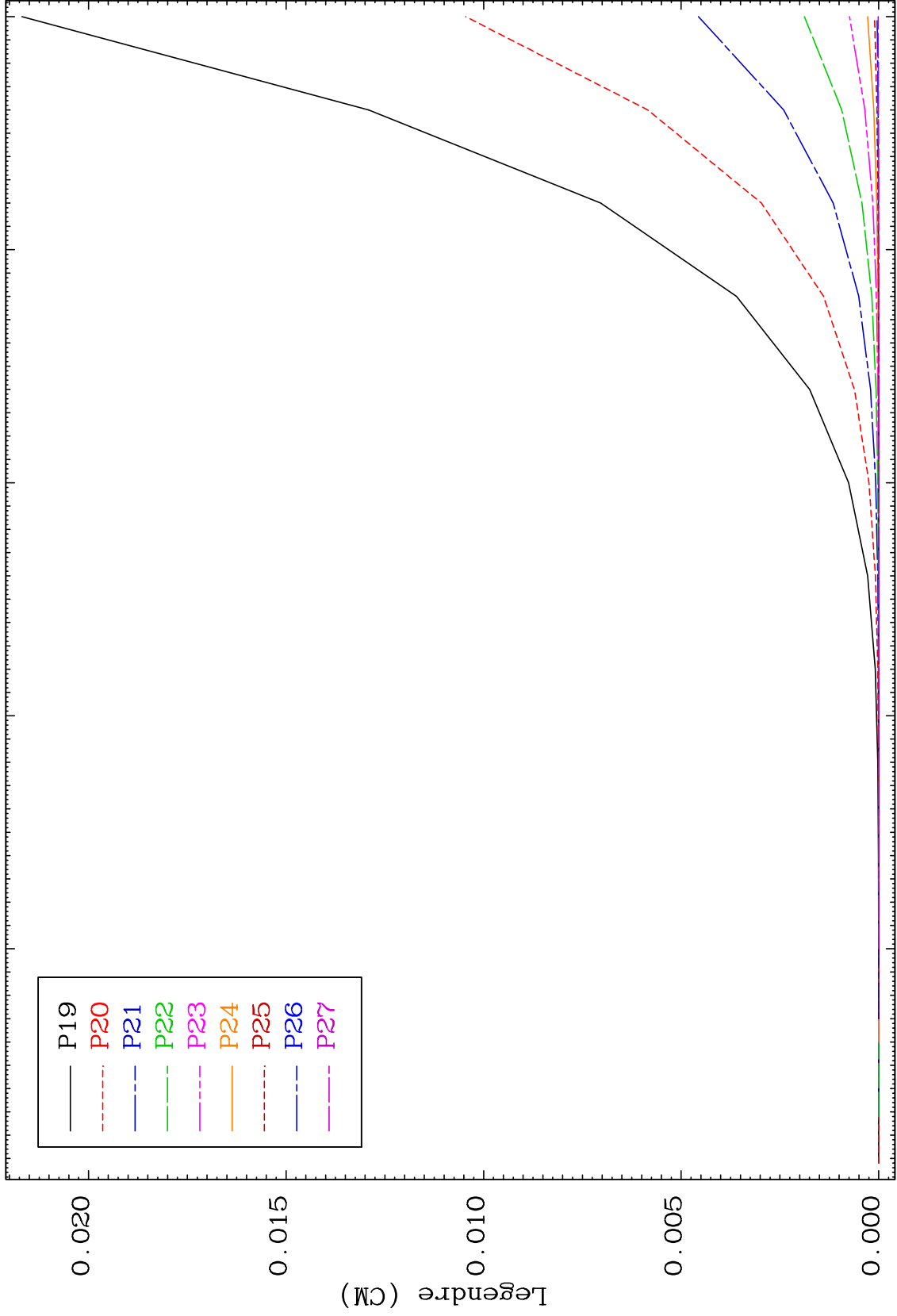
Incident Energy (MeV)

70-Yb-167

MAT 7022

Elastic Legendre Coefficients

70-Yb-167



18

Incident Energy (MeV)

70-Yb-167

30

25

20

15

10

0.020

0.015

0.010

0.005

0.000

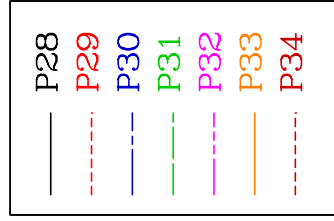
Legendre (CM)

- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 7022

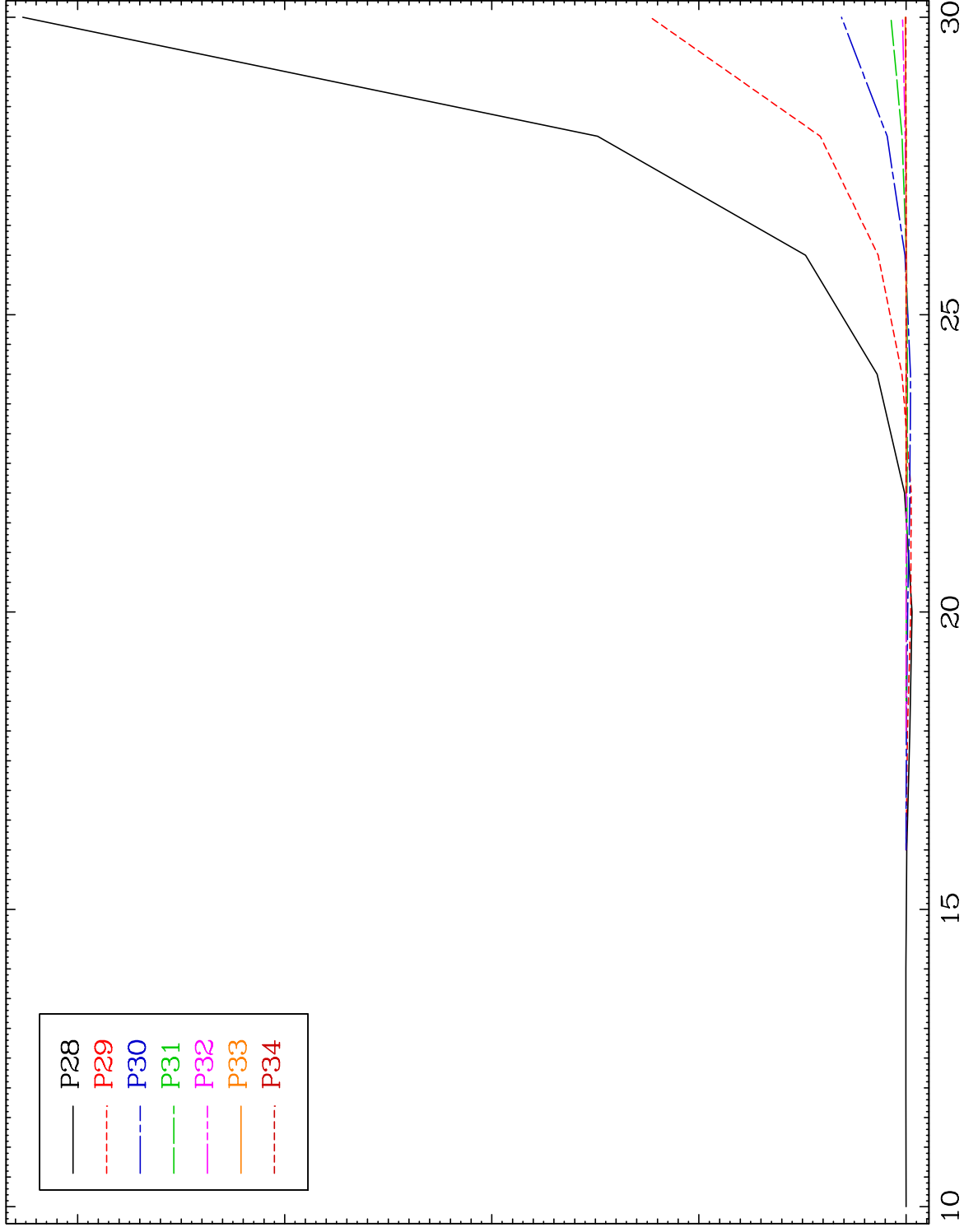
Elastic Legendre Coefficients

70-Yb-167



$\times 10^{-6}$

Legendre (CM)



10

Incident Energy (MeV)

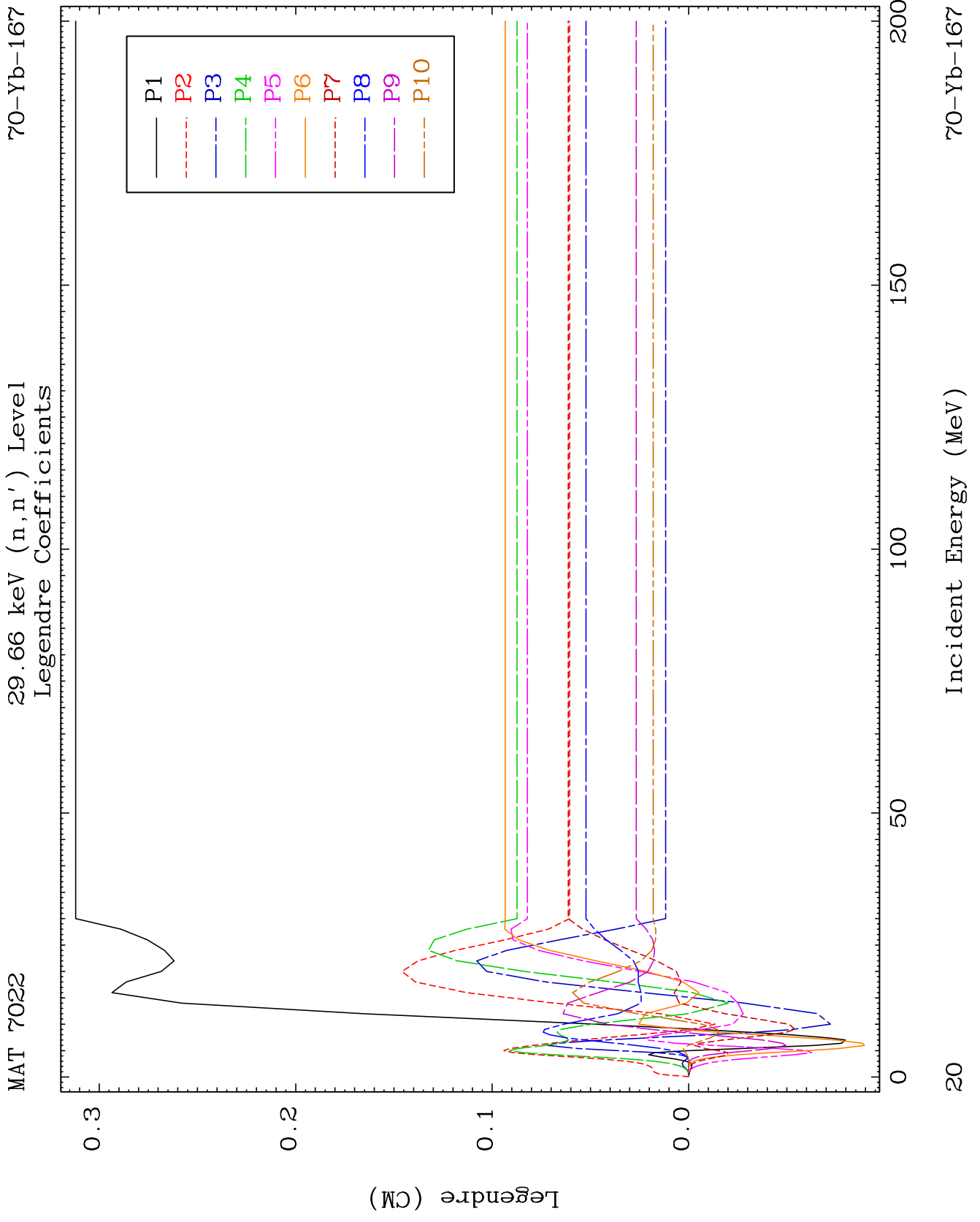
70-Yb-167

15

20

25

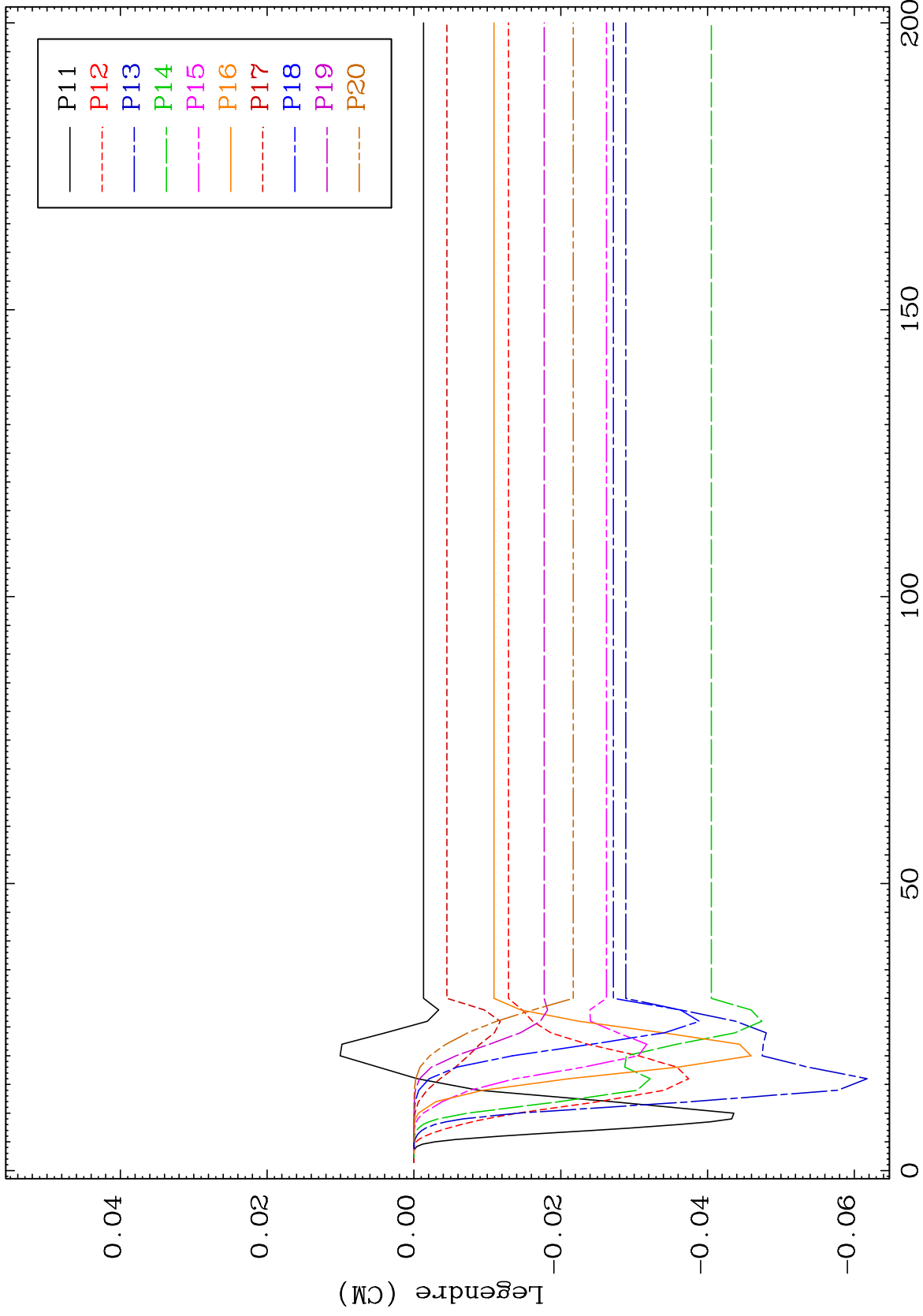
30



MAT 7022

29.66 keV (n,n') Level
Legendre Coefficients

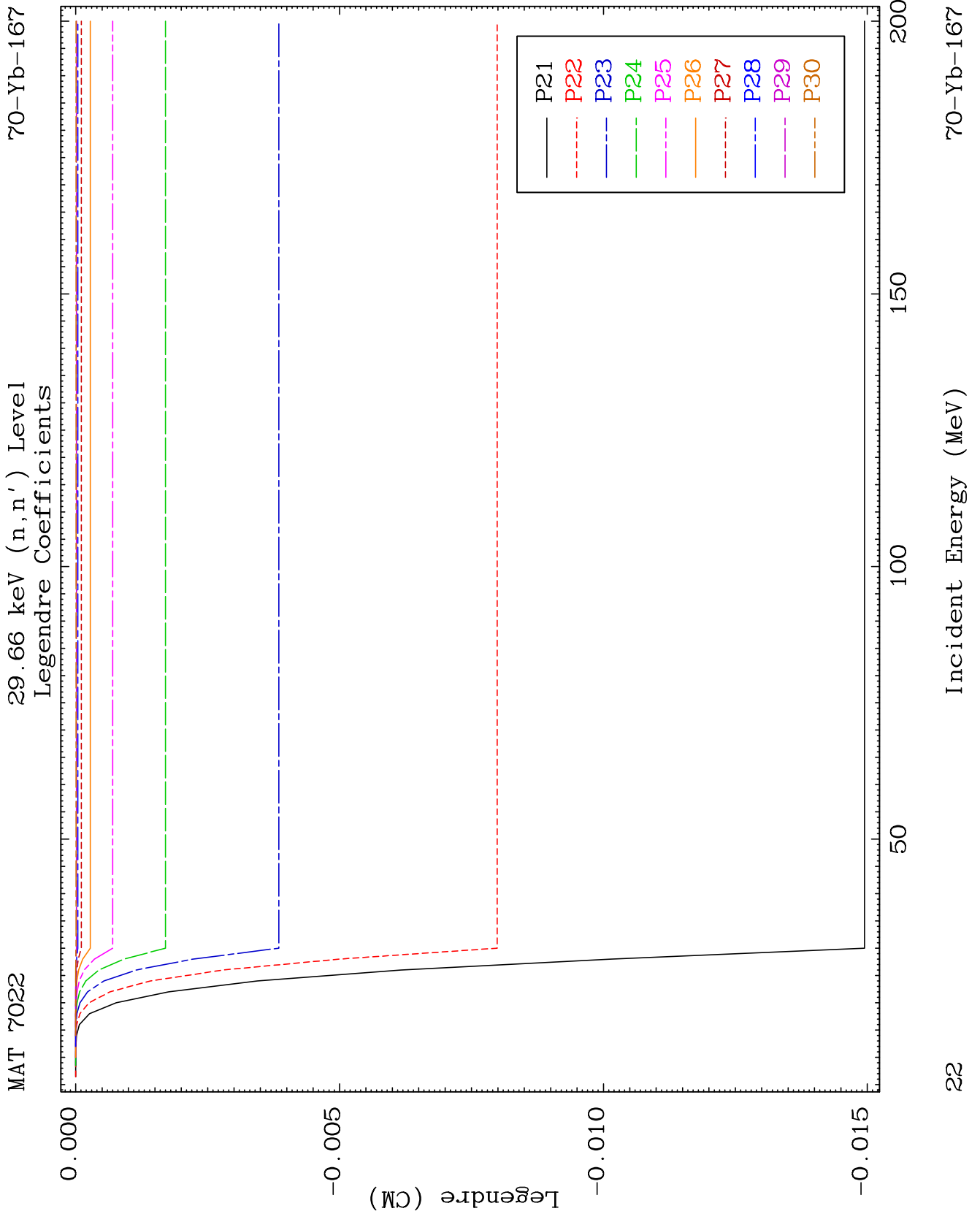
70-Yb-167

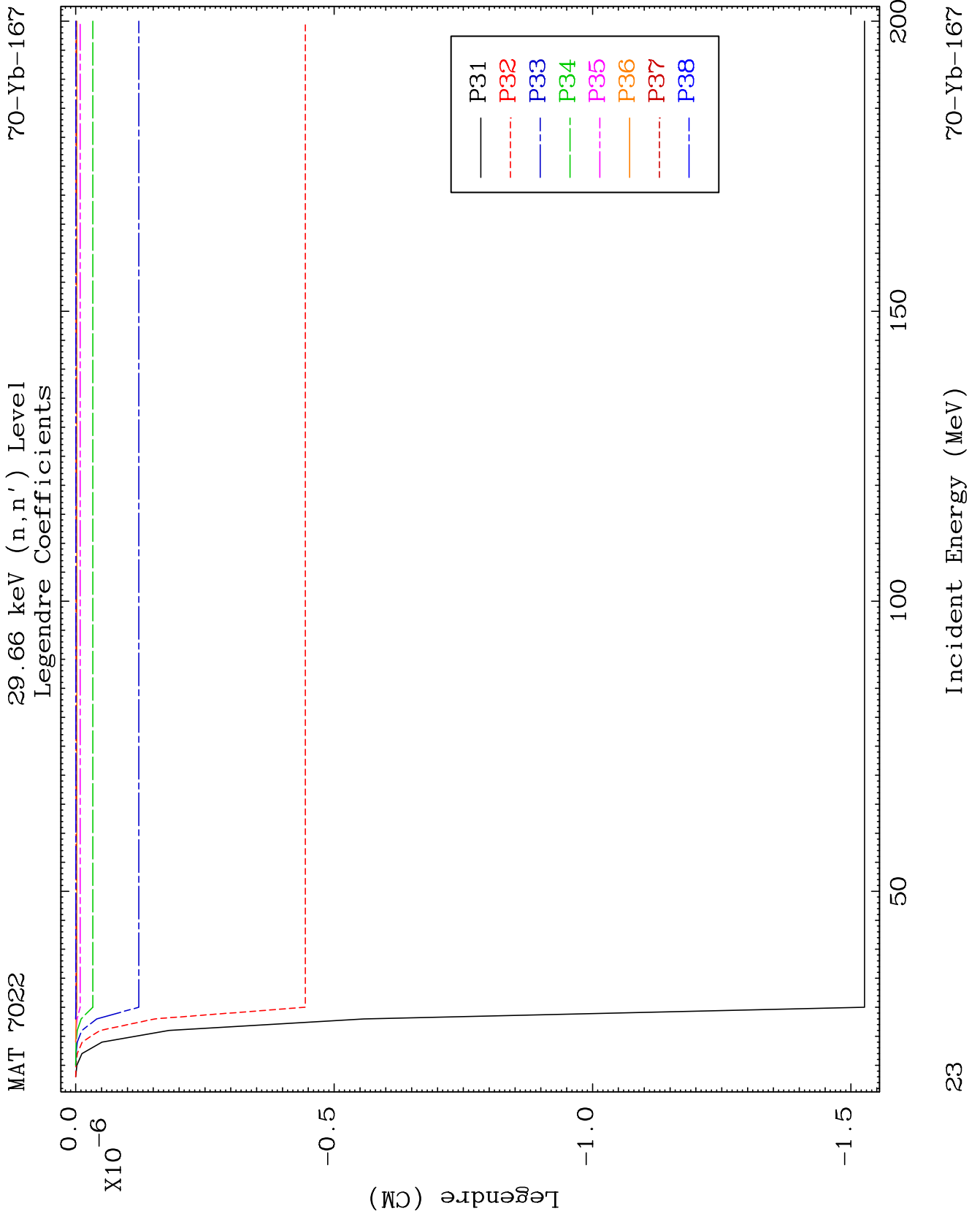


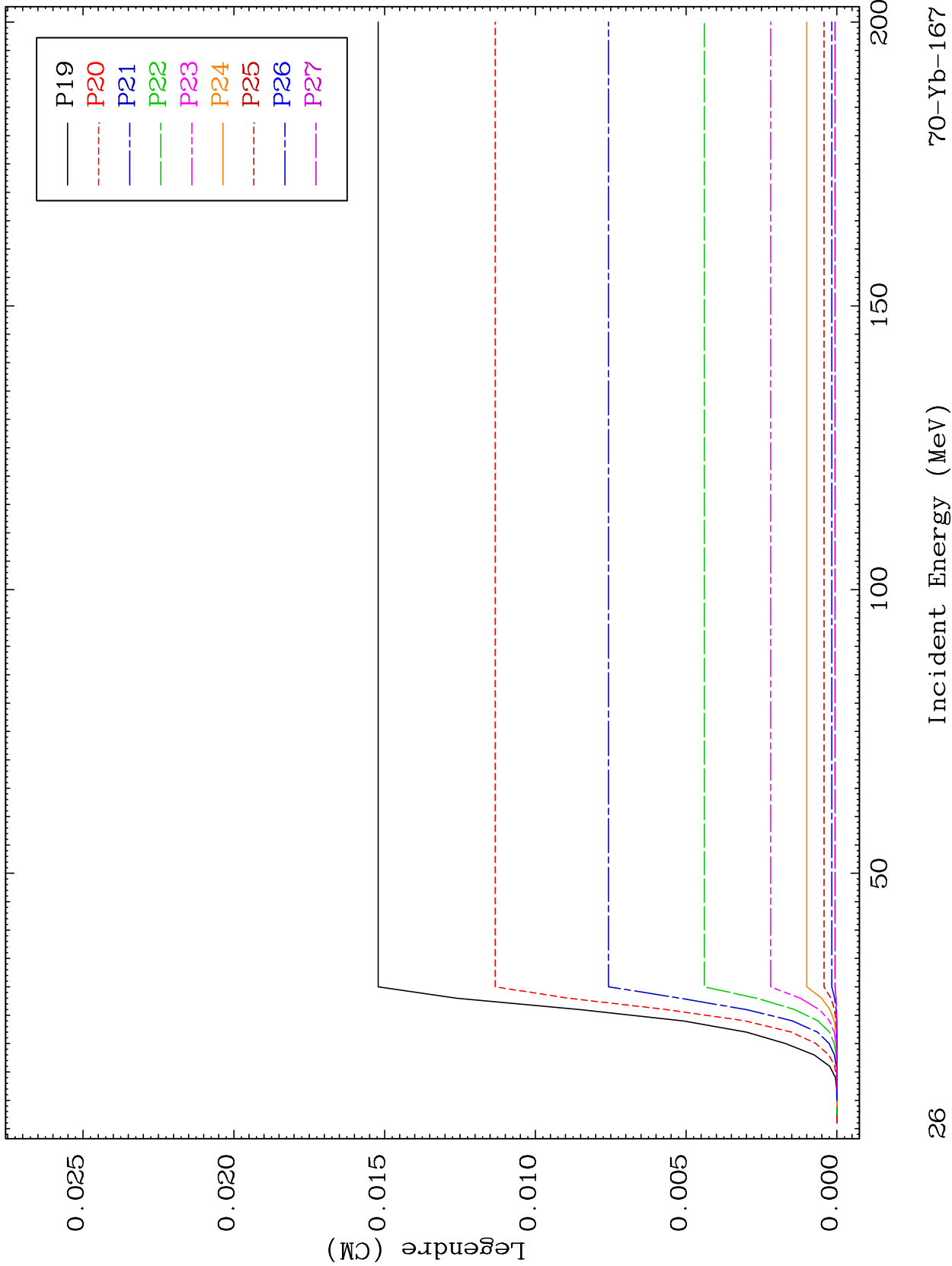
21

Incident Energy (MeV)

70-Yb-167



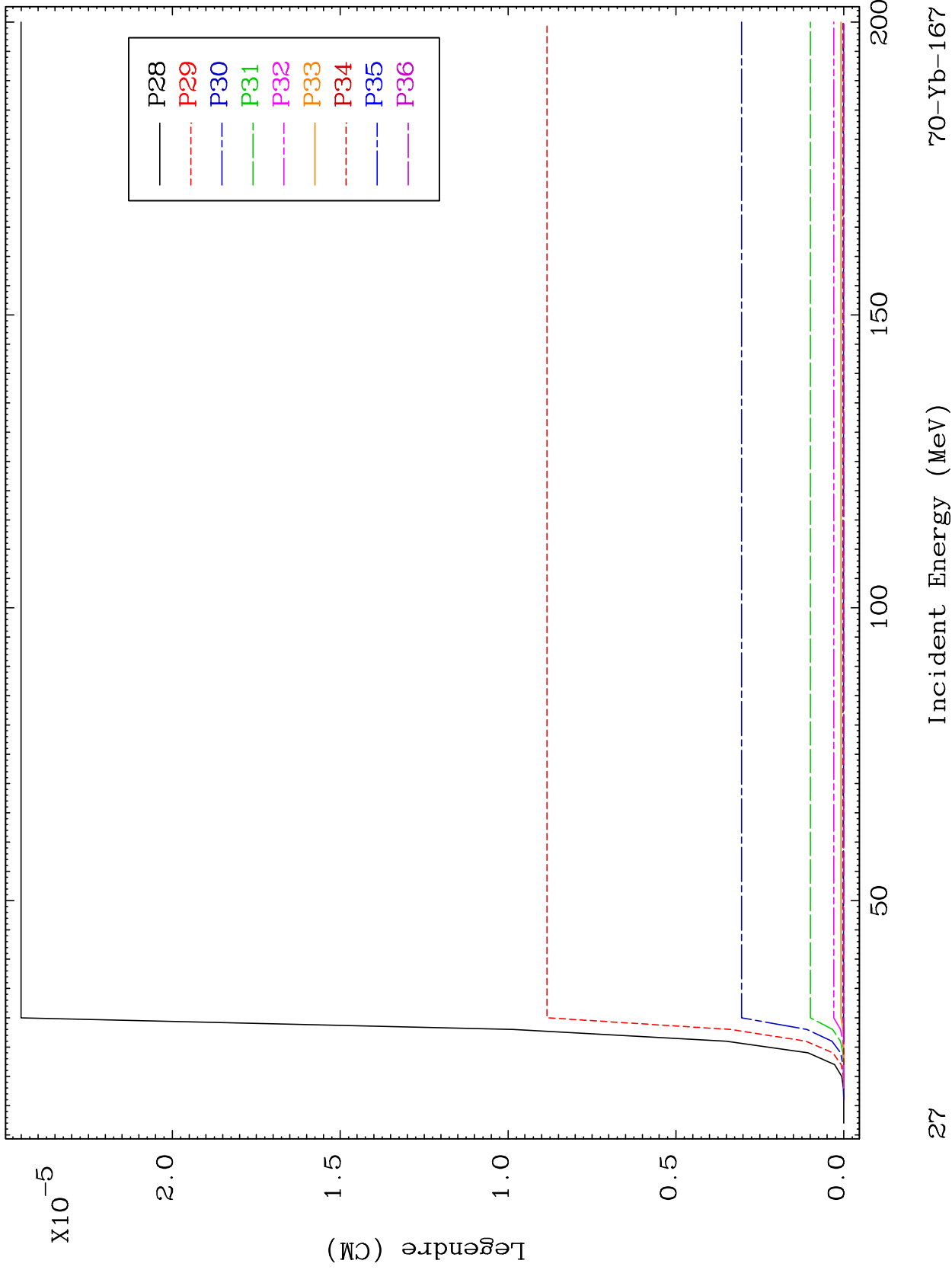




MAT 7022

33.91 keV (n, n') Level
Legendre Coefficients

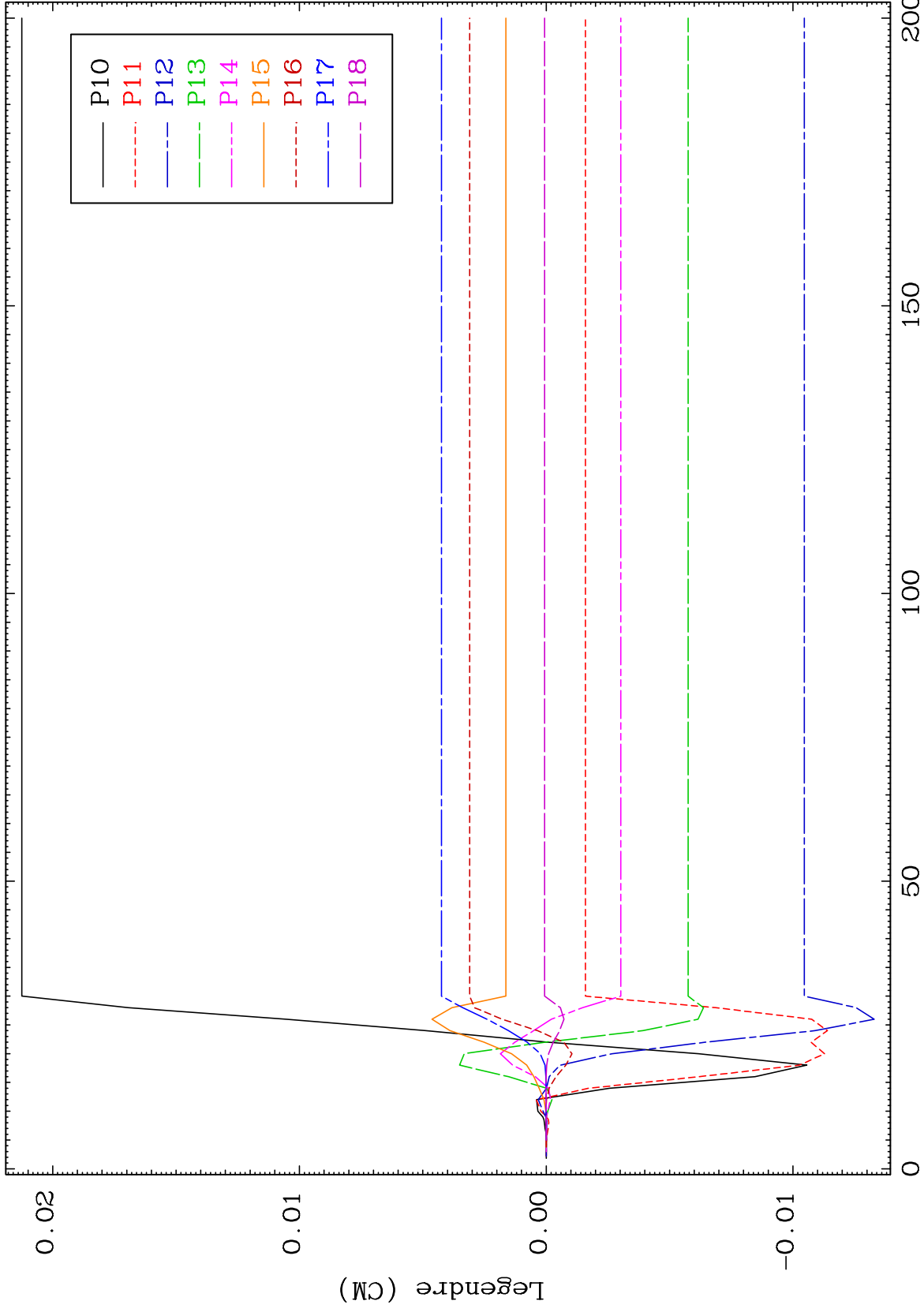
70-Yb-167



MAT 7022

58.54 keV (n,n') Level
Legendre Coefficients

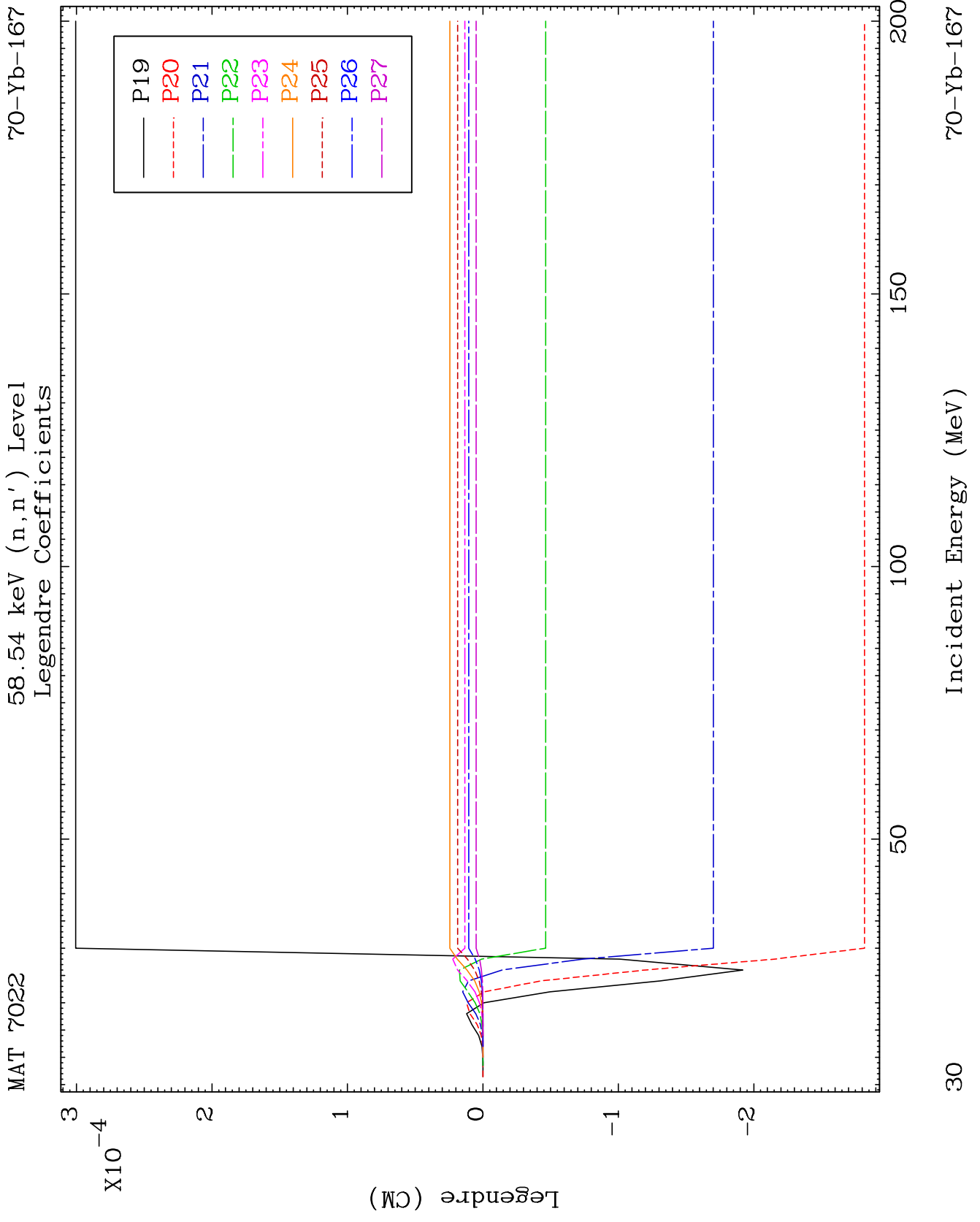
70-Yb-167

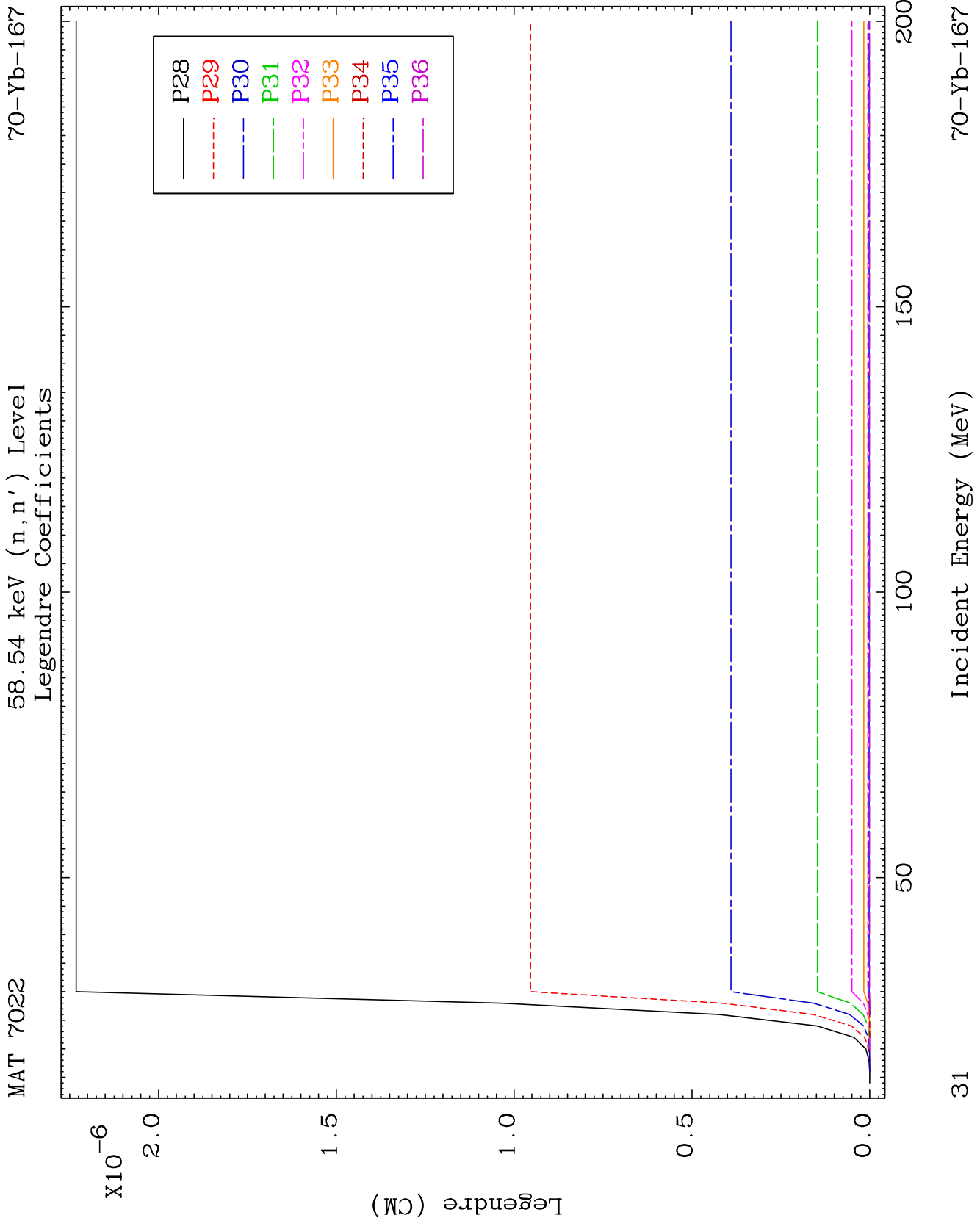


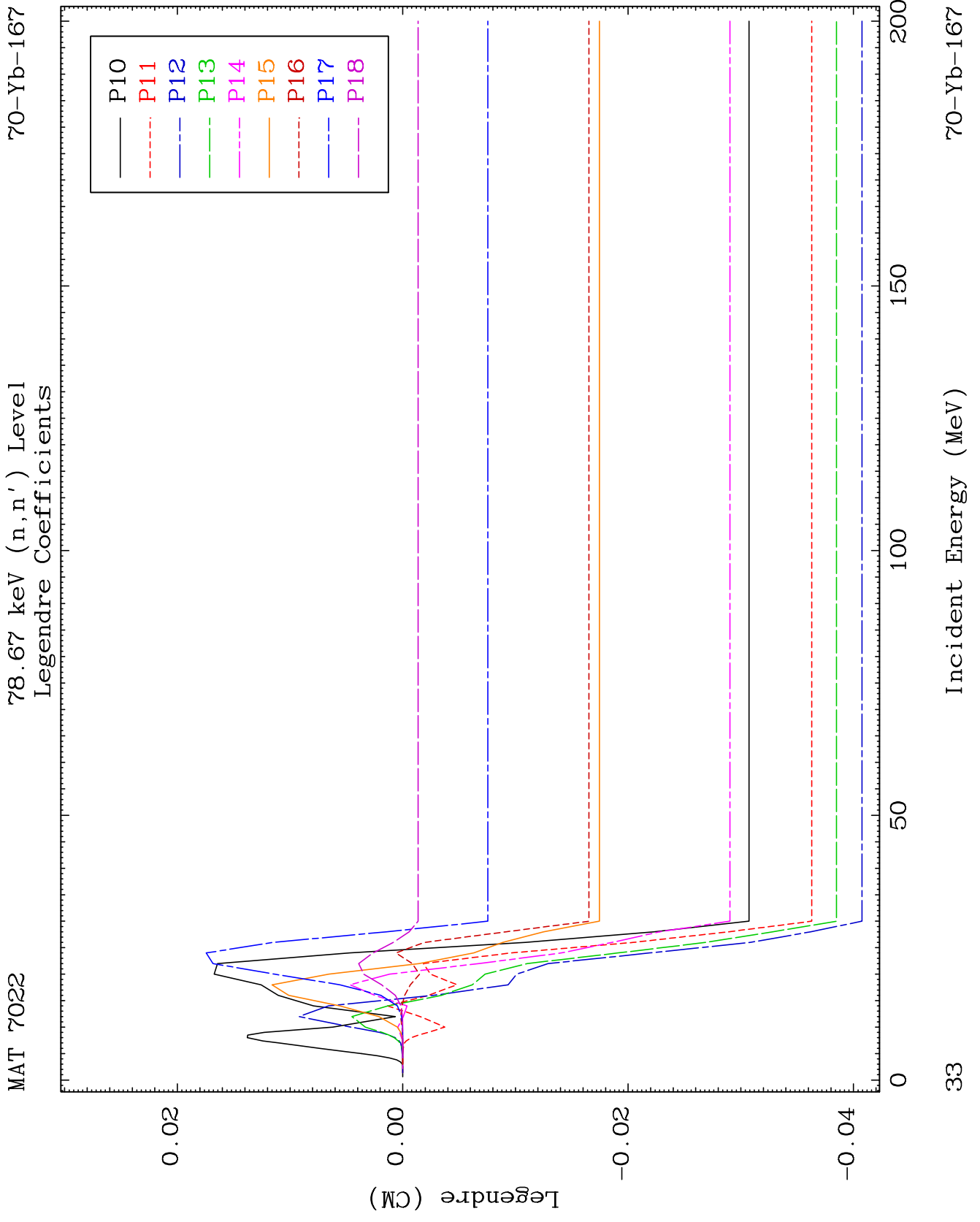
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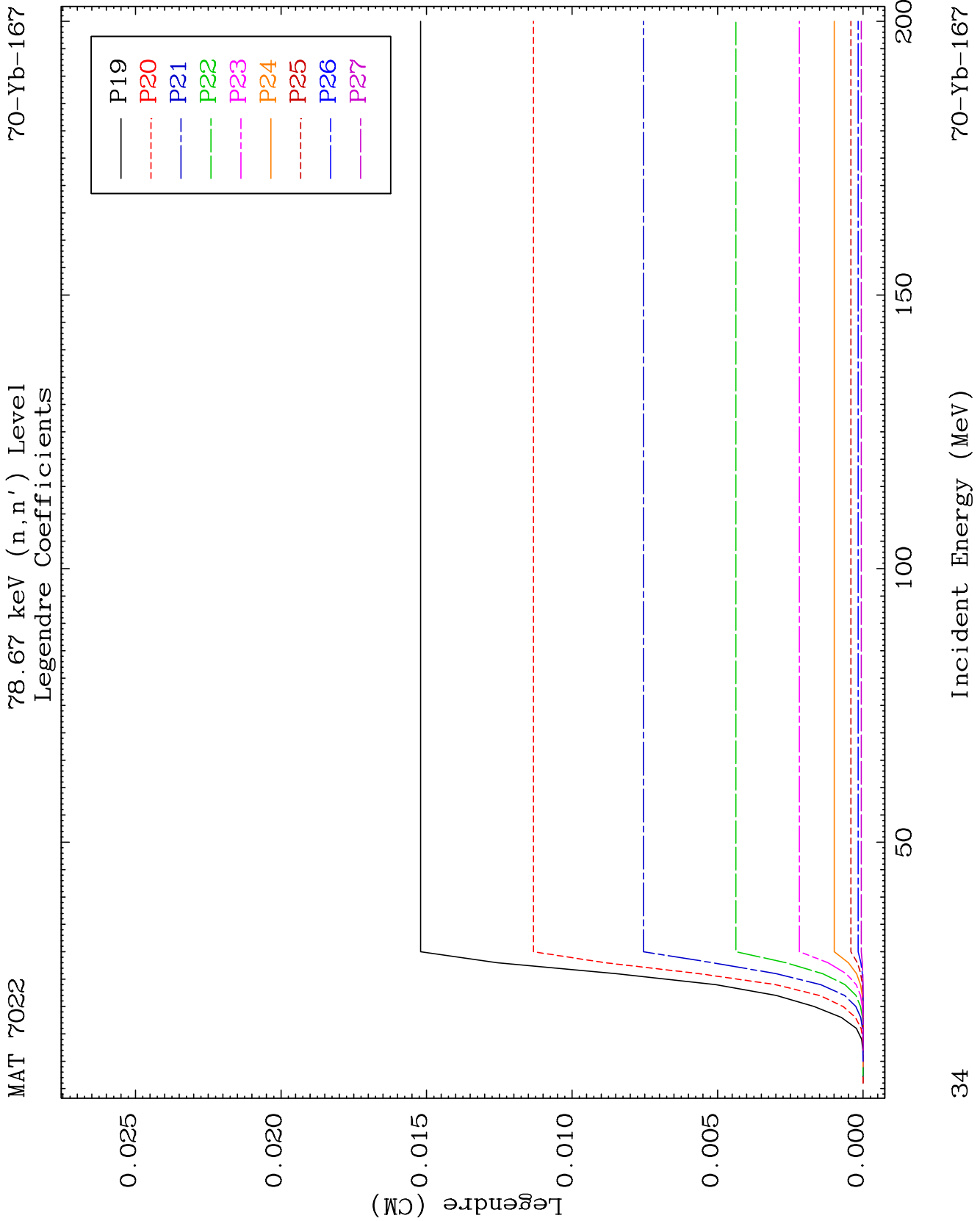
Incident Energy (MeV)

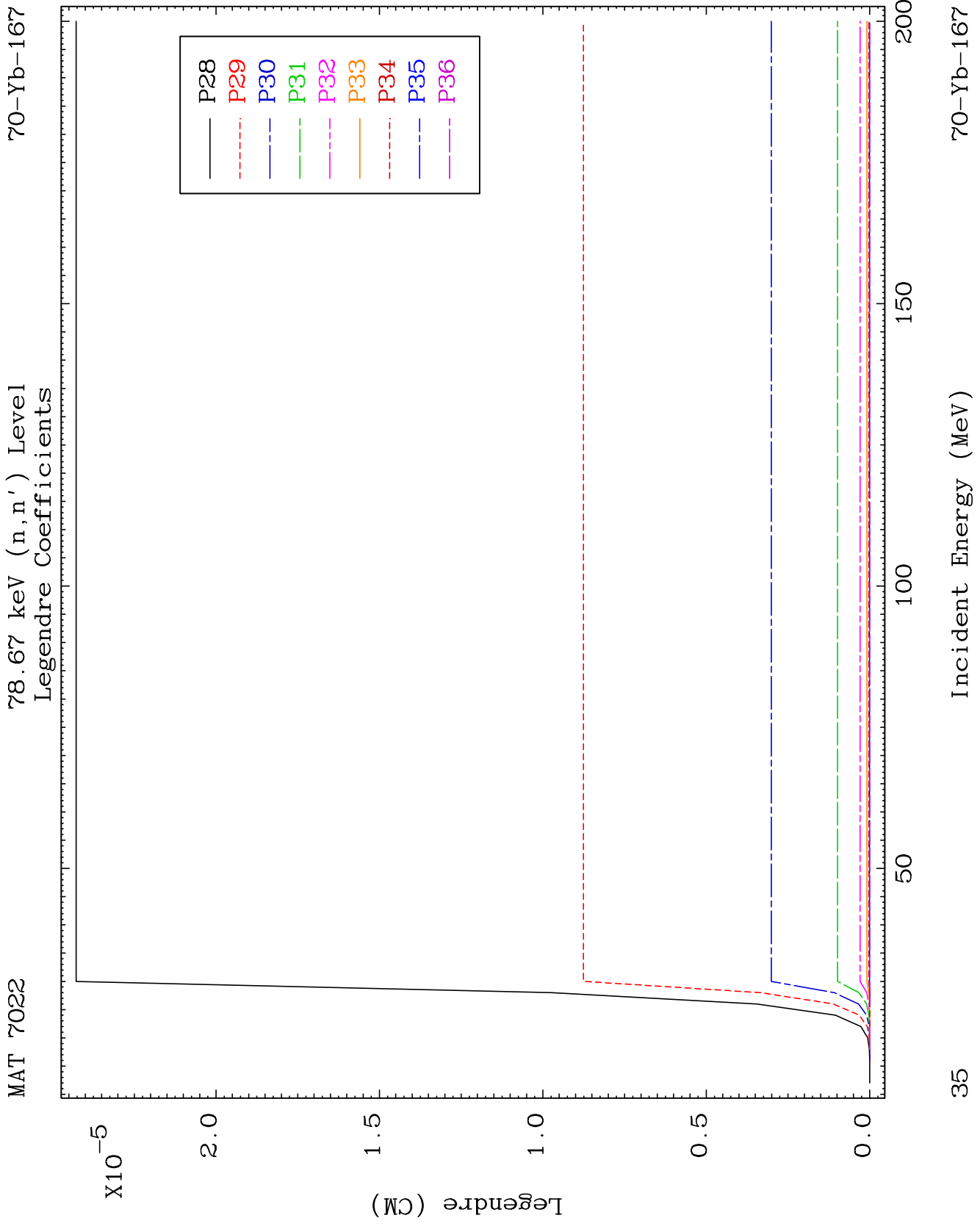
70-Yb-167

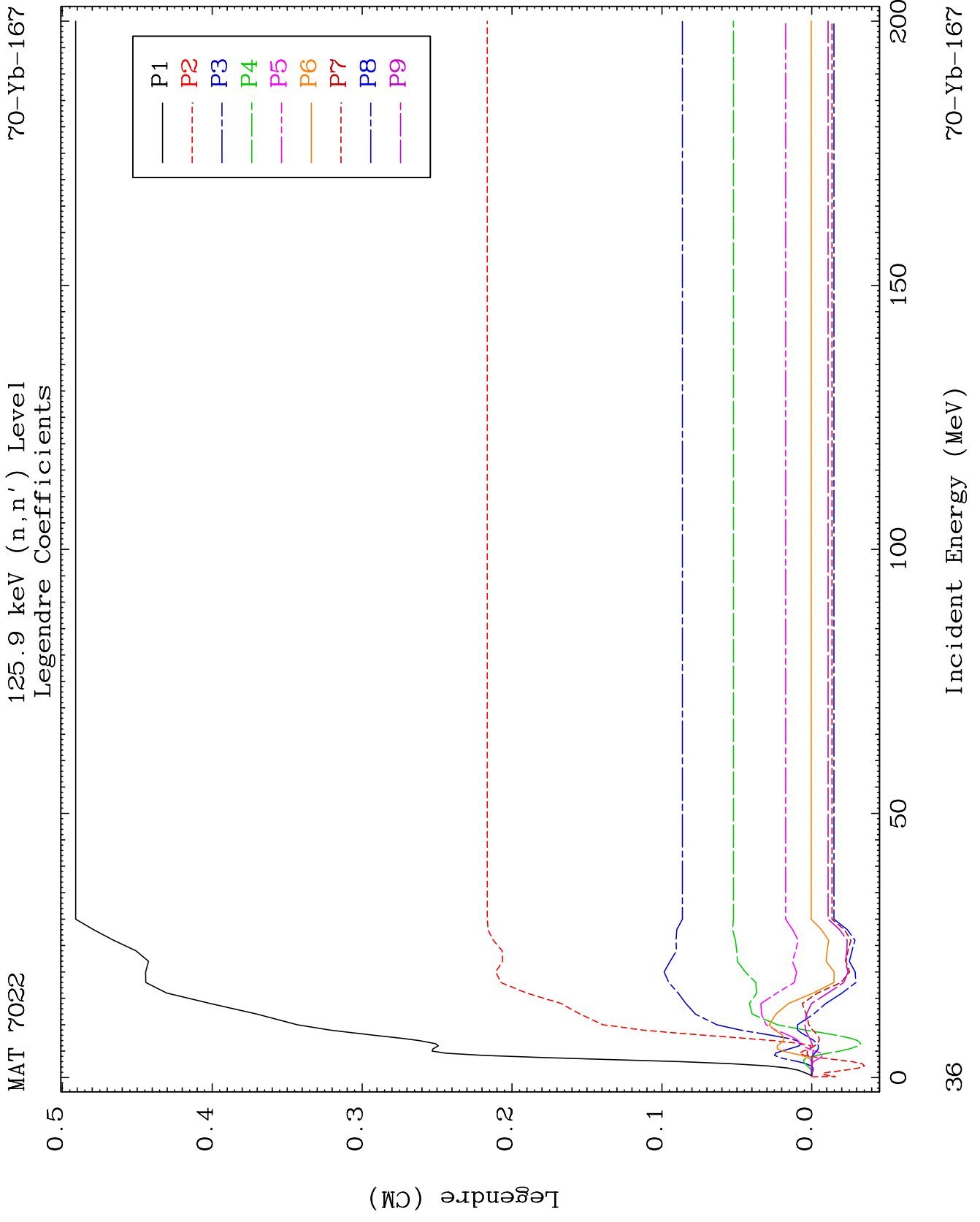


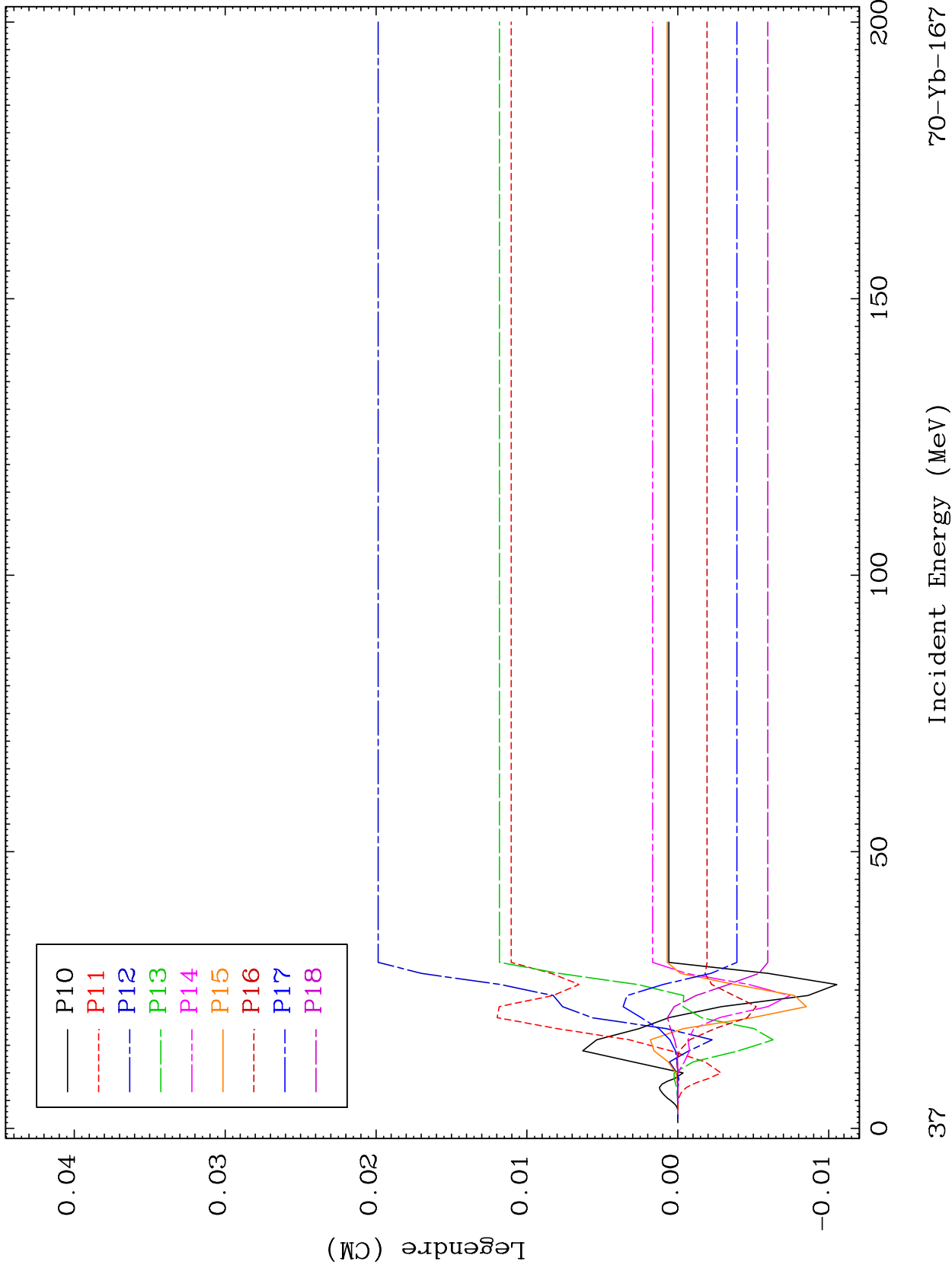


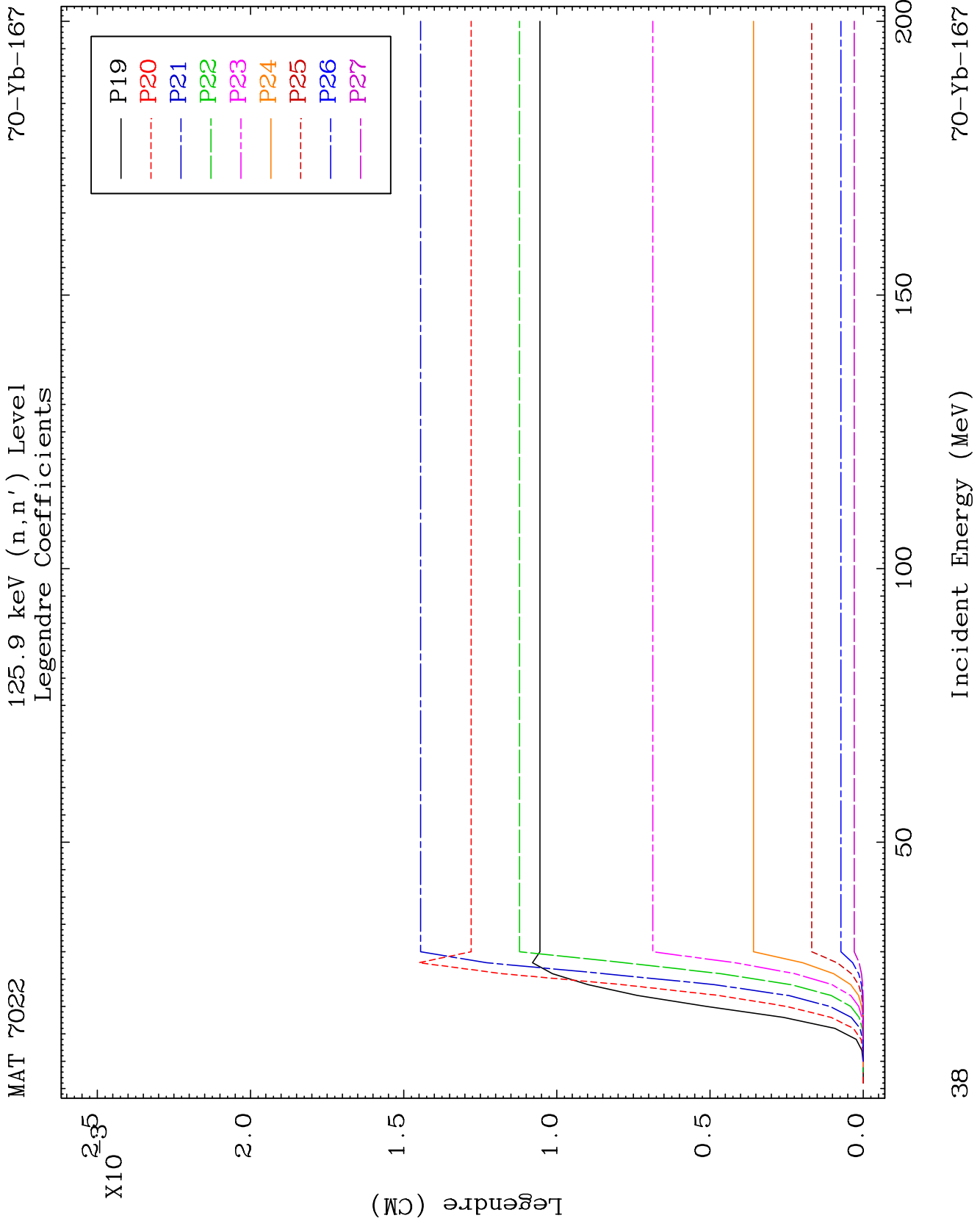


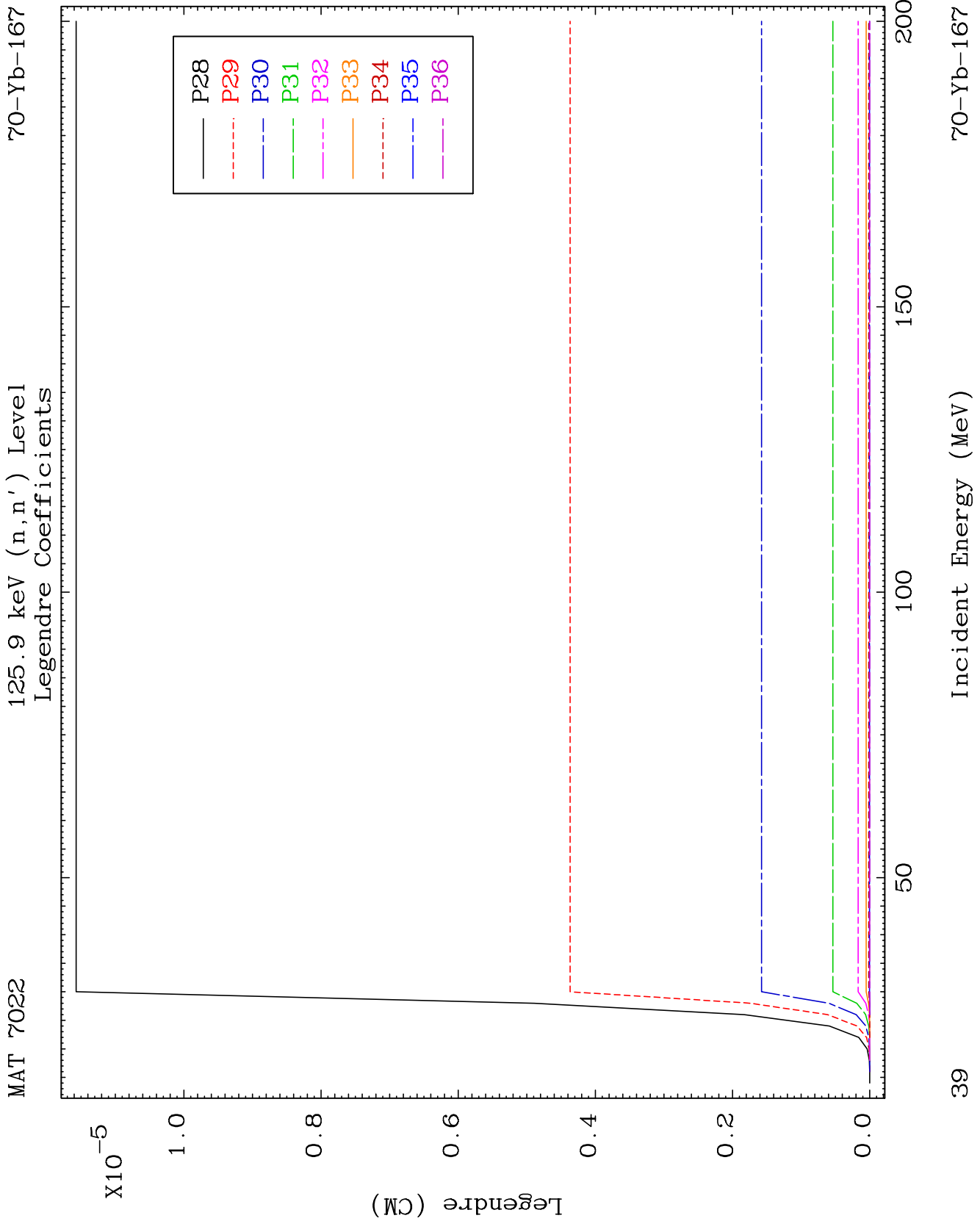


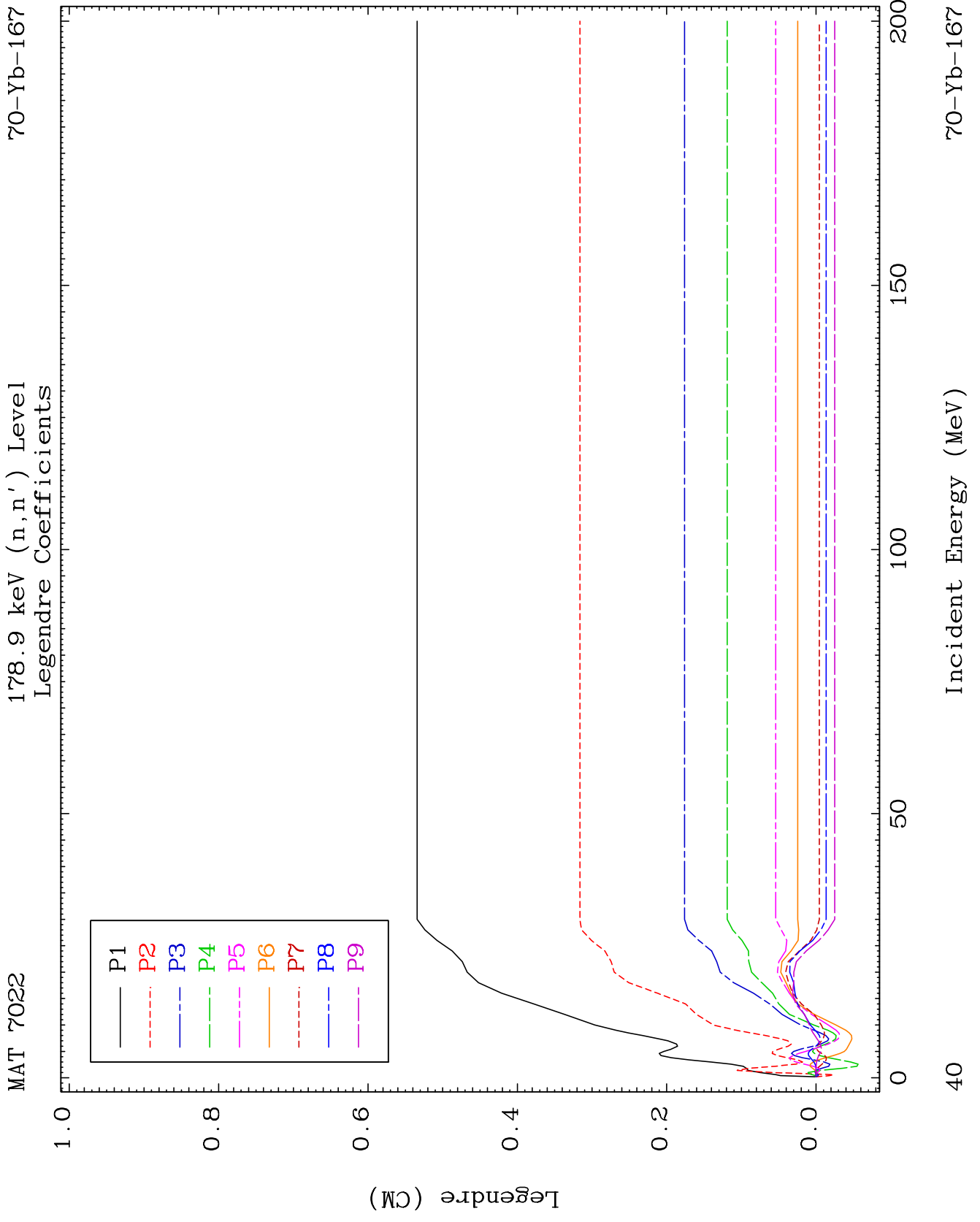


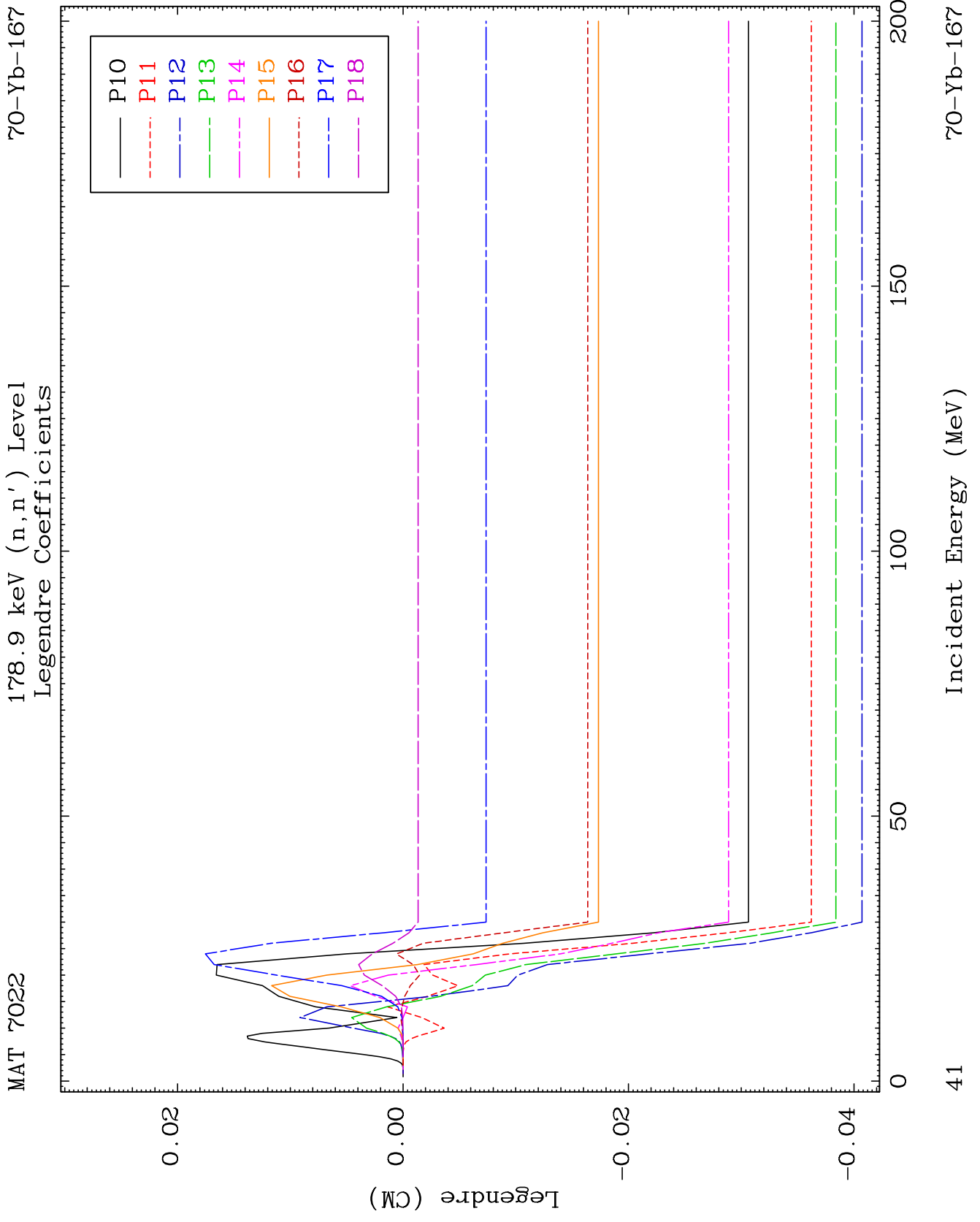


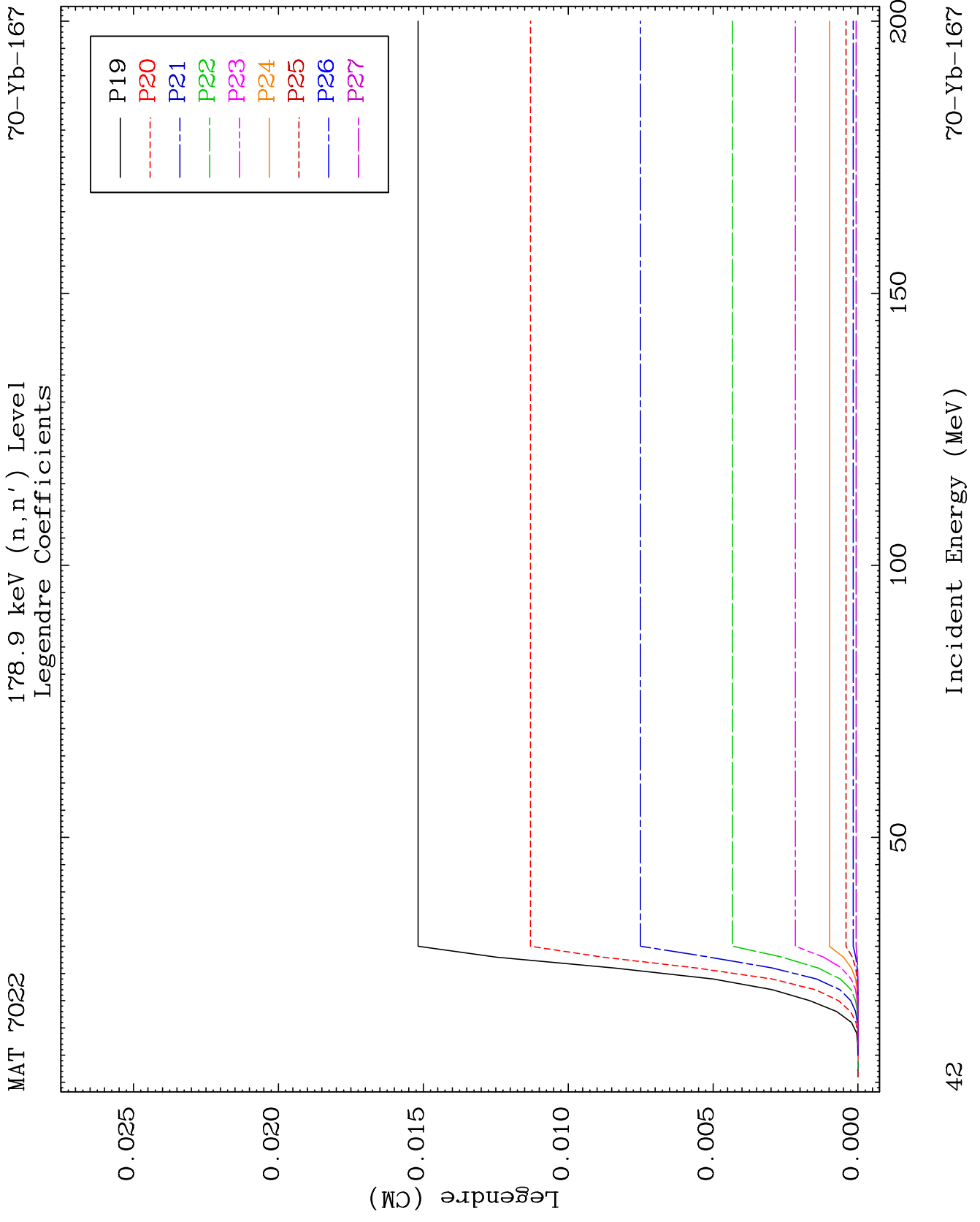


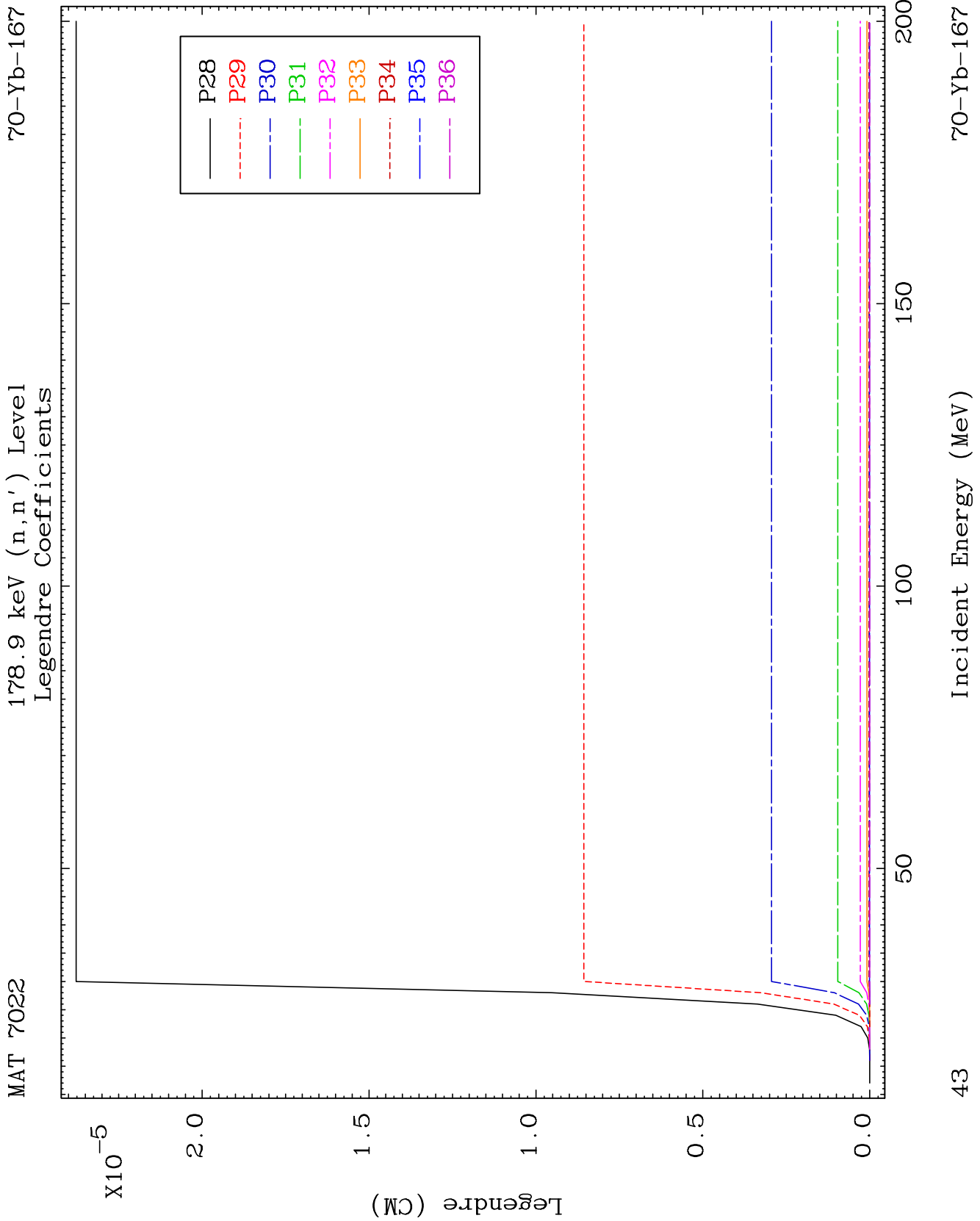


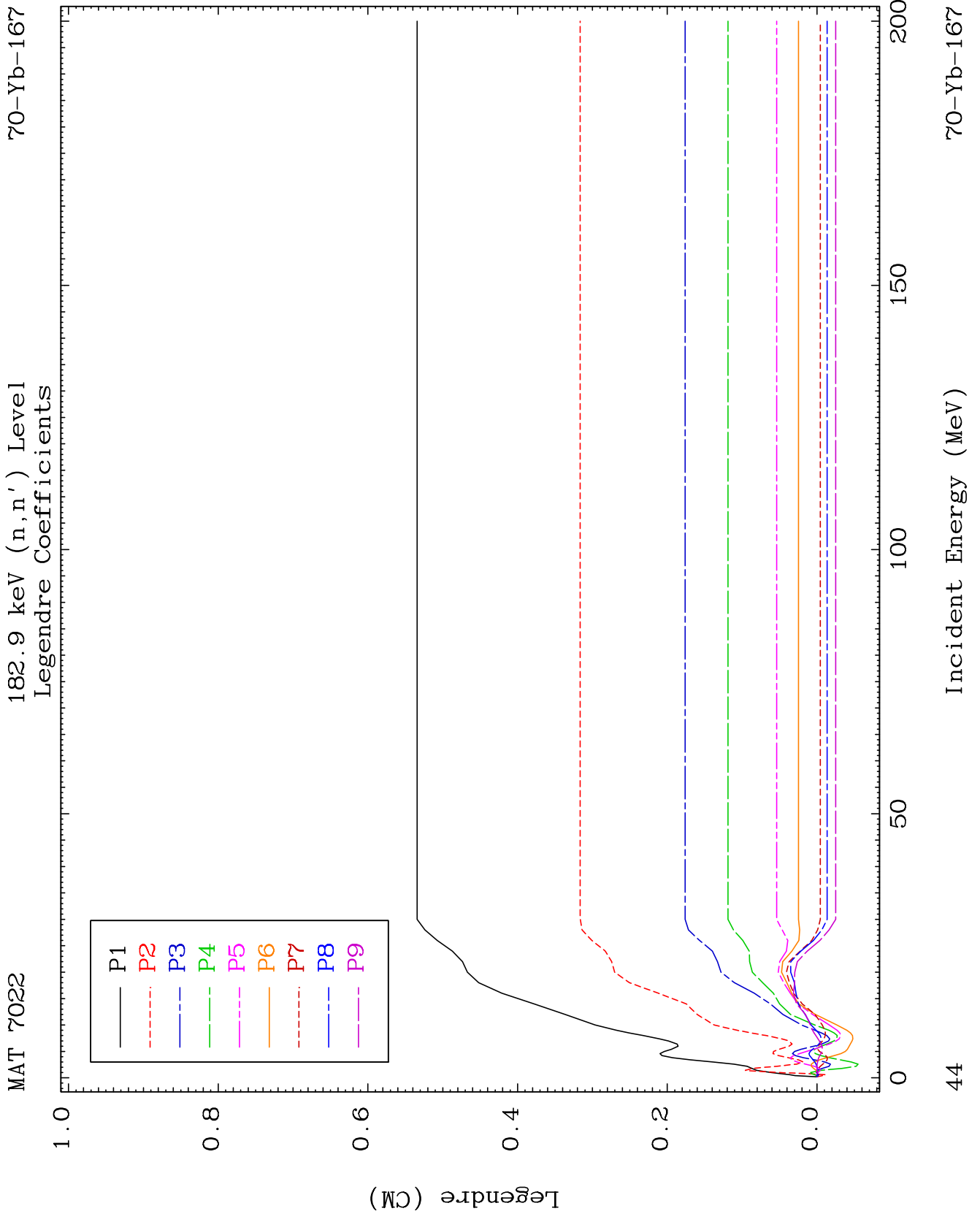








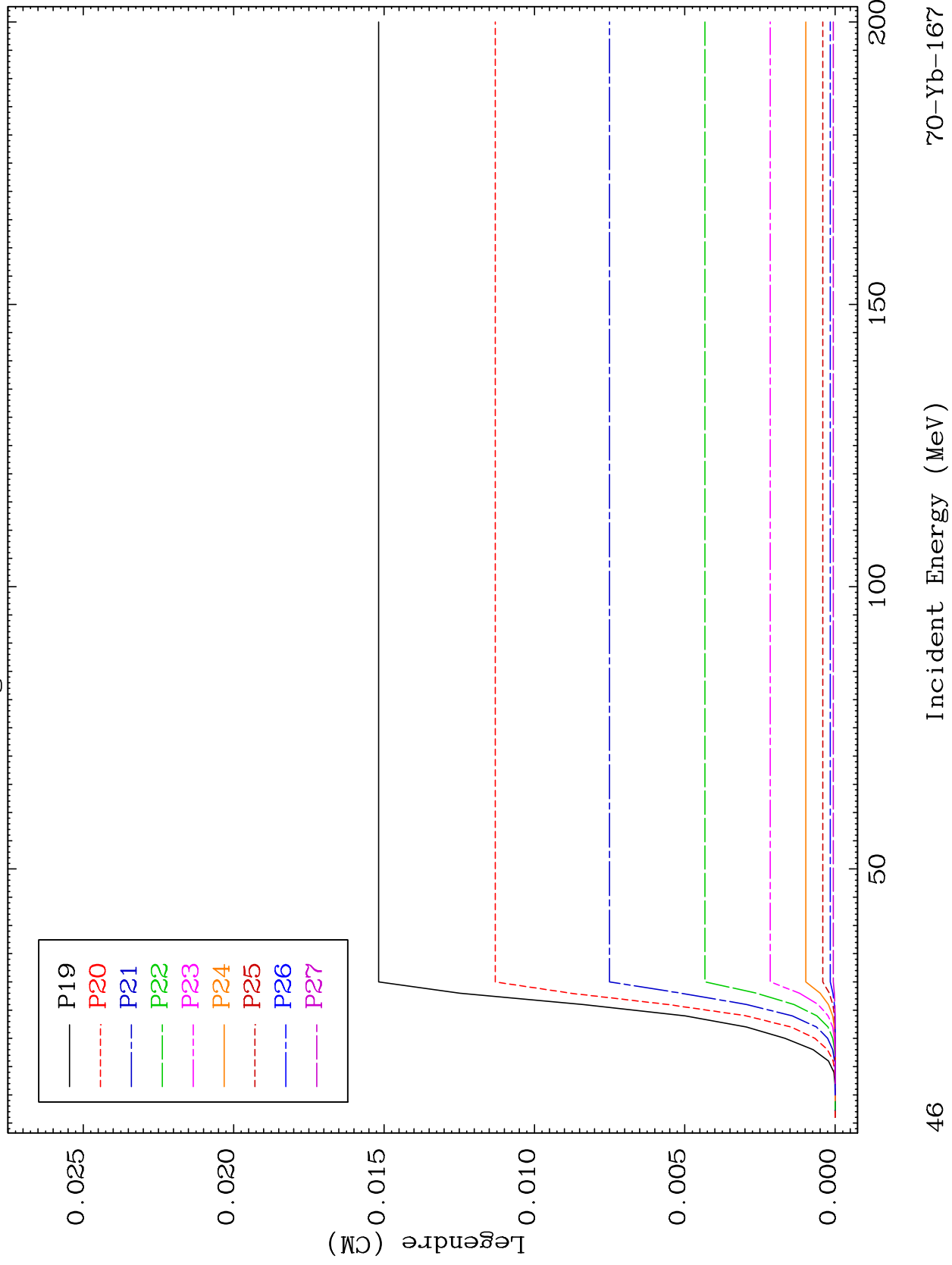




MAT 7022

182.9 keV (n, n') Level
Legendre Coefficients

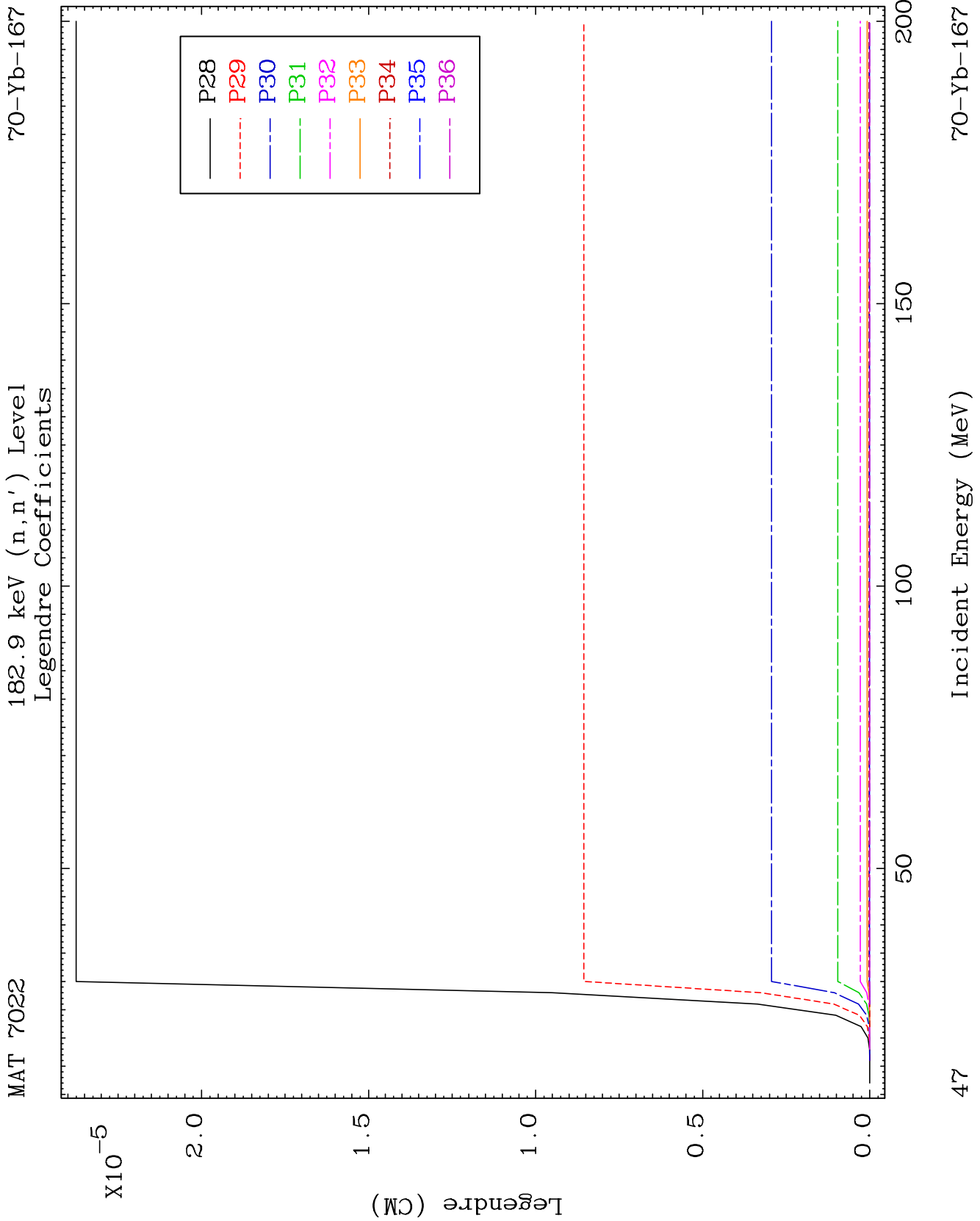
70-Yb-167

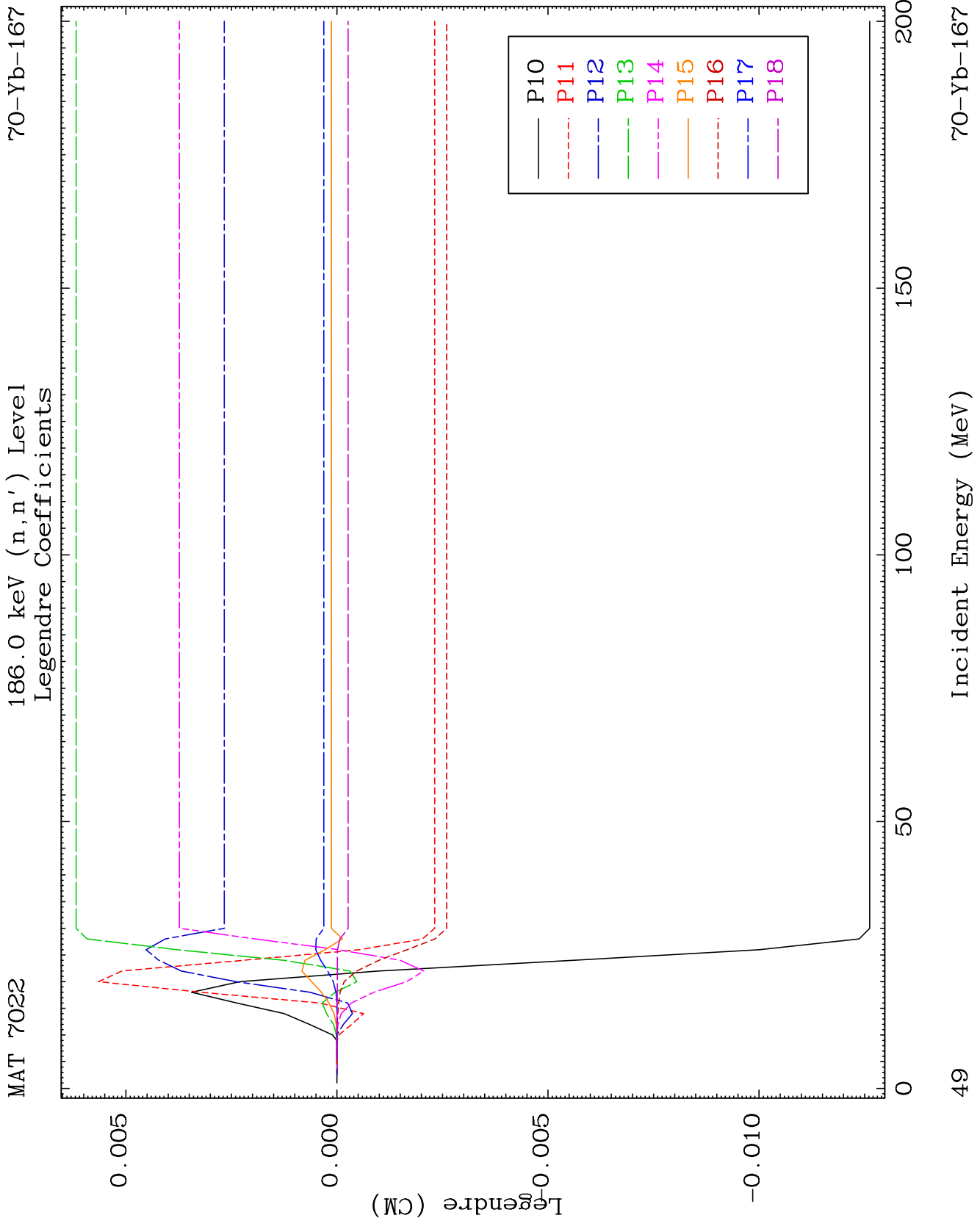


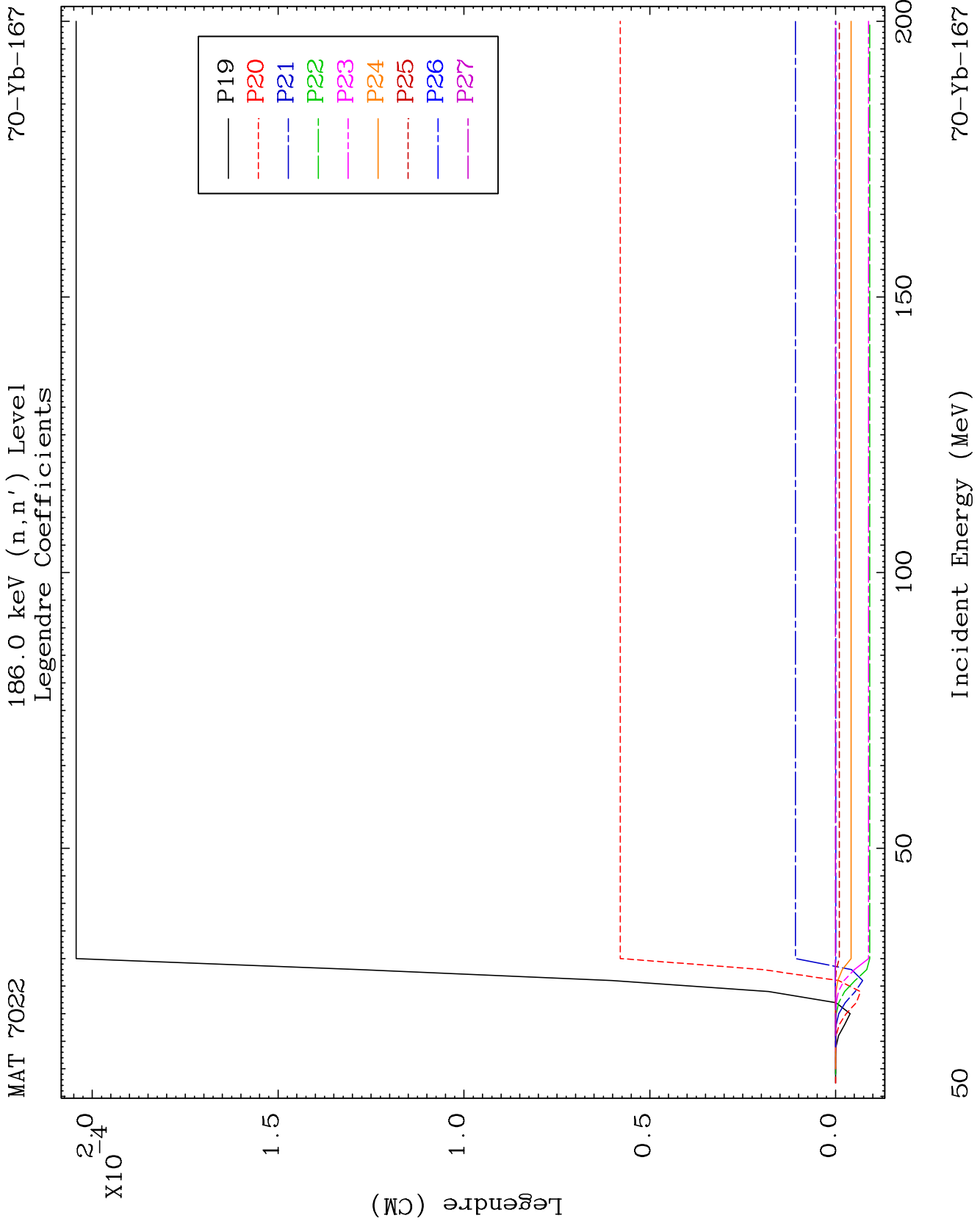
46

Incident Energy (MeV)

70-Yb-167



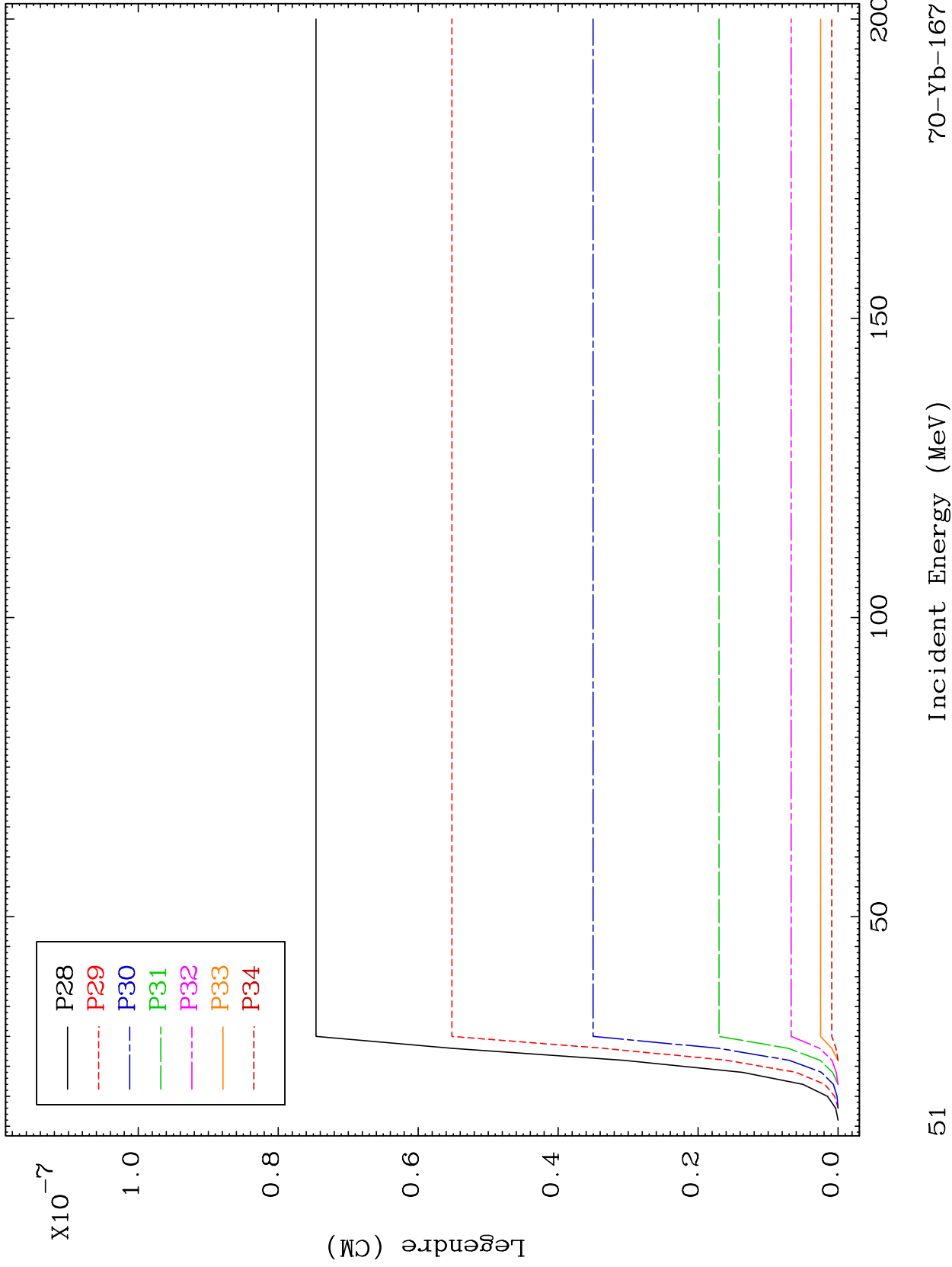




MAT 7022

186.0 keV (n,n') Level
Legendre Coefficients

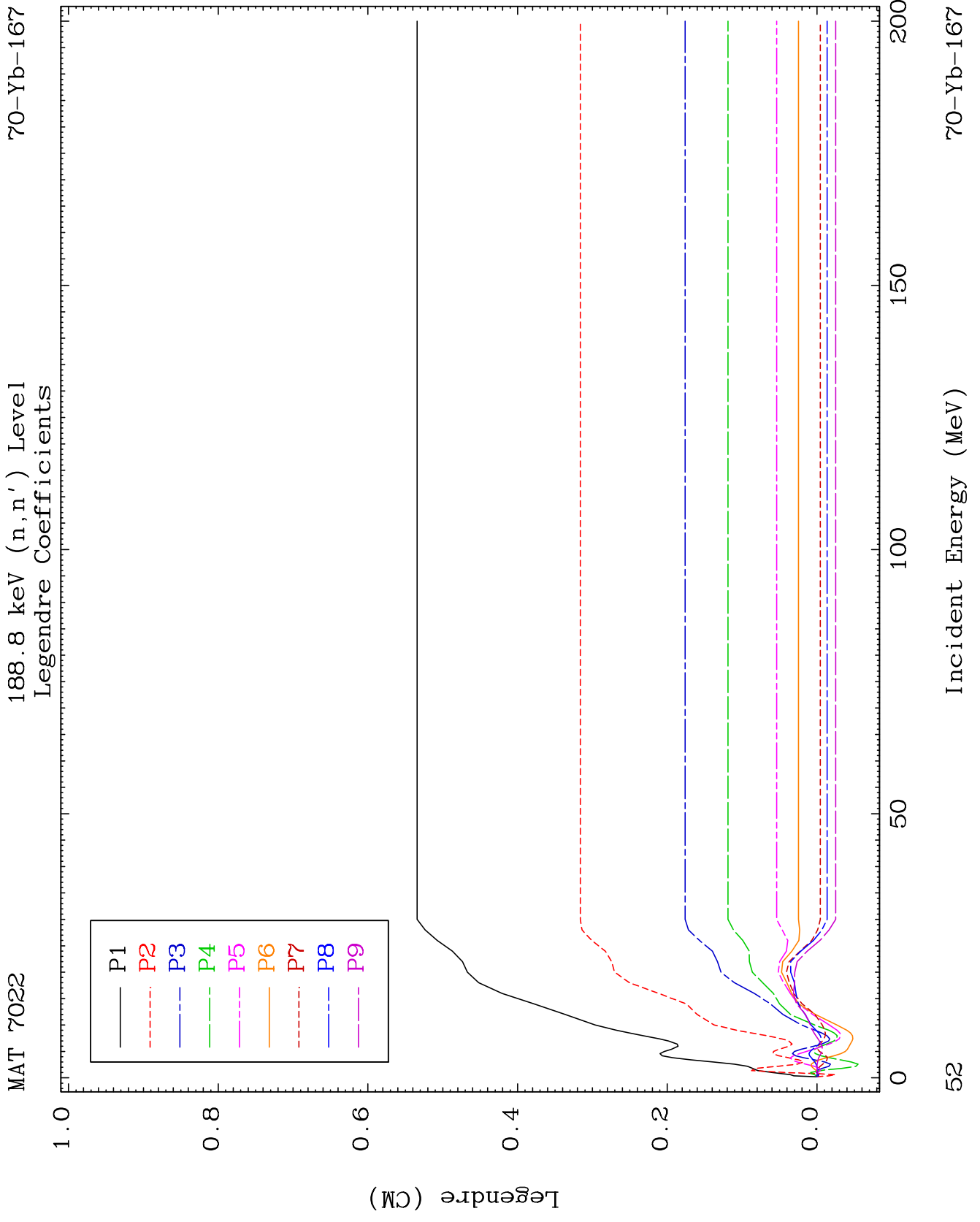
70-Yb-167

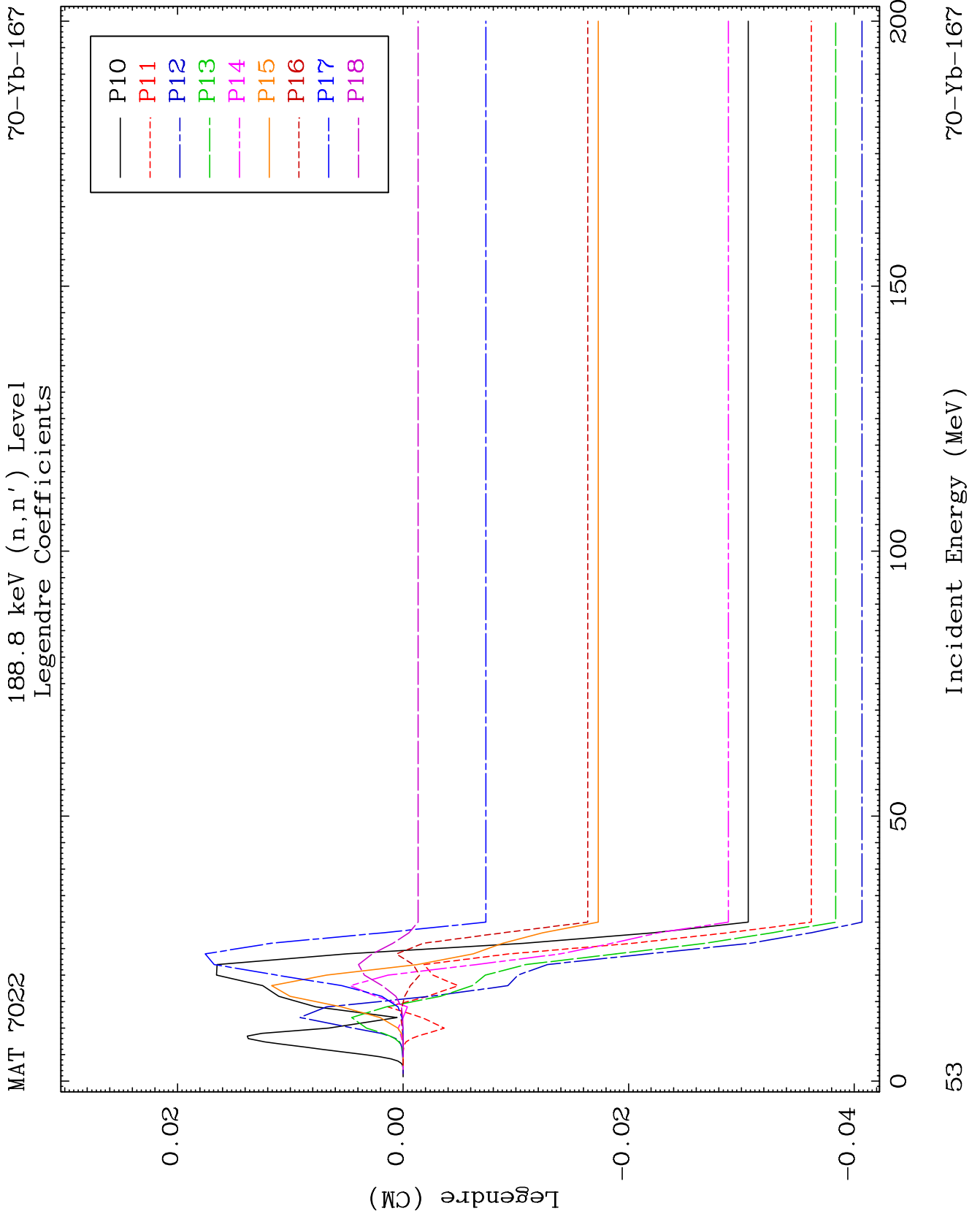


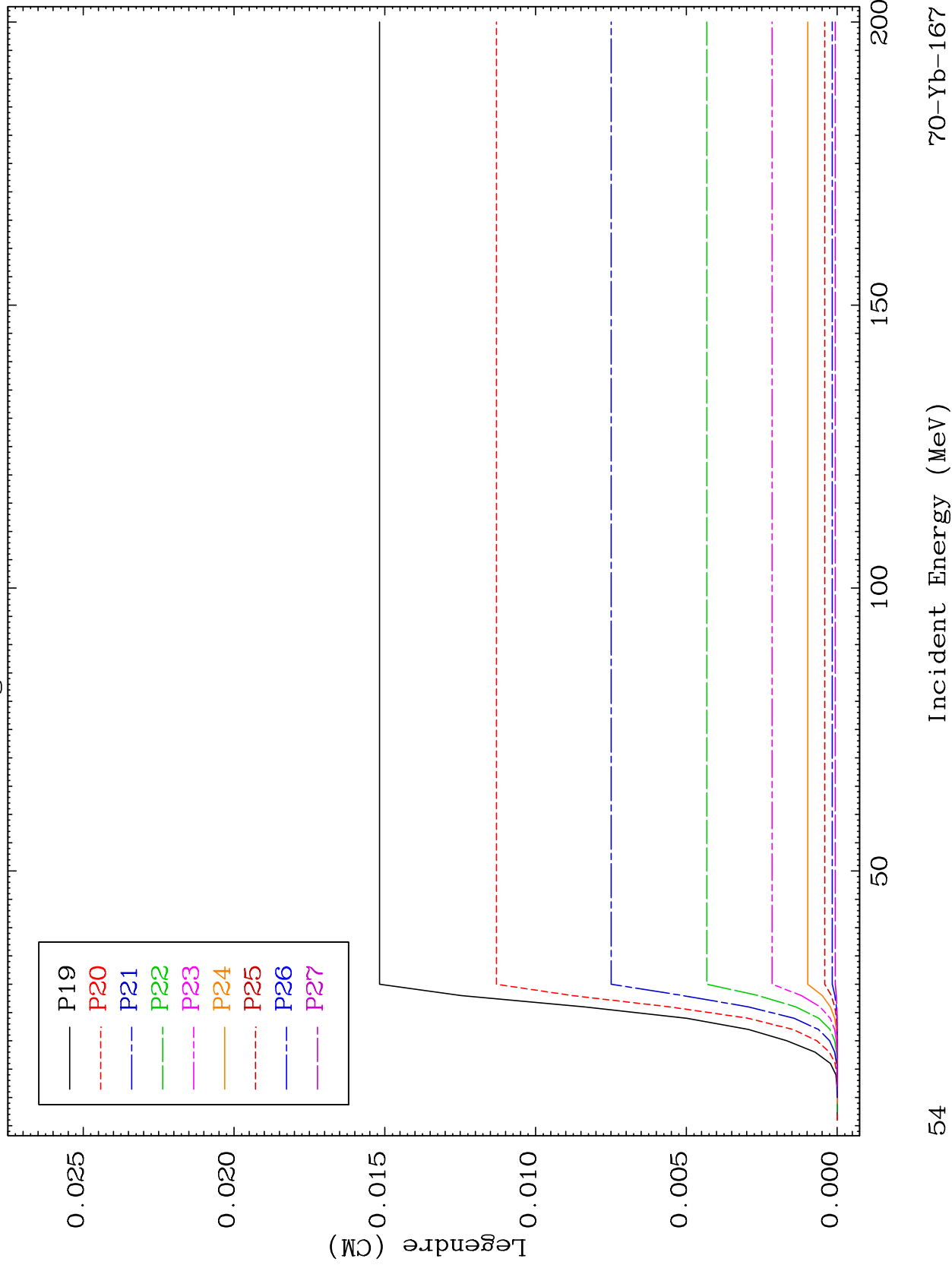
51

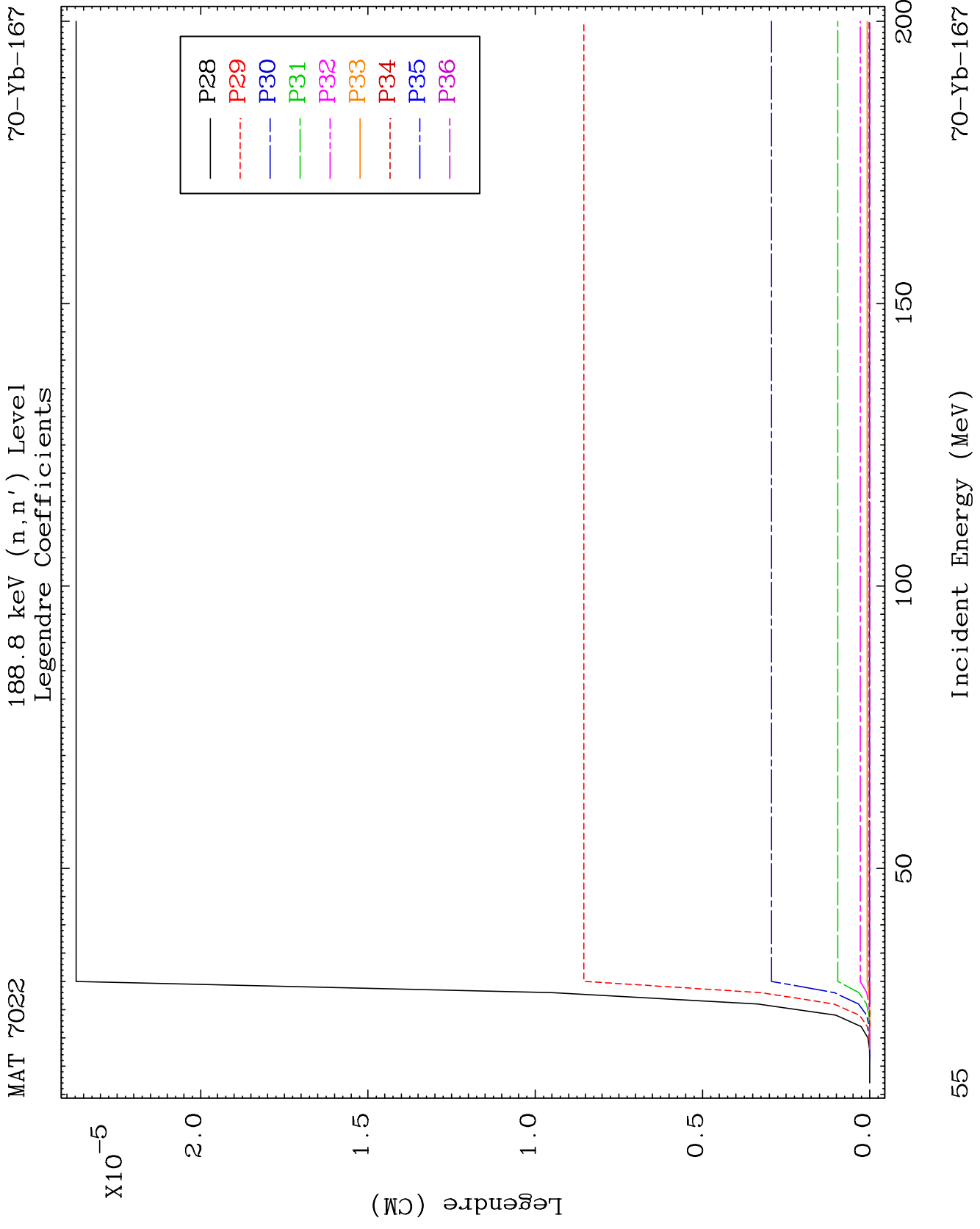
Incident Energy (MeV)

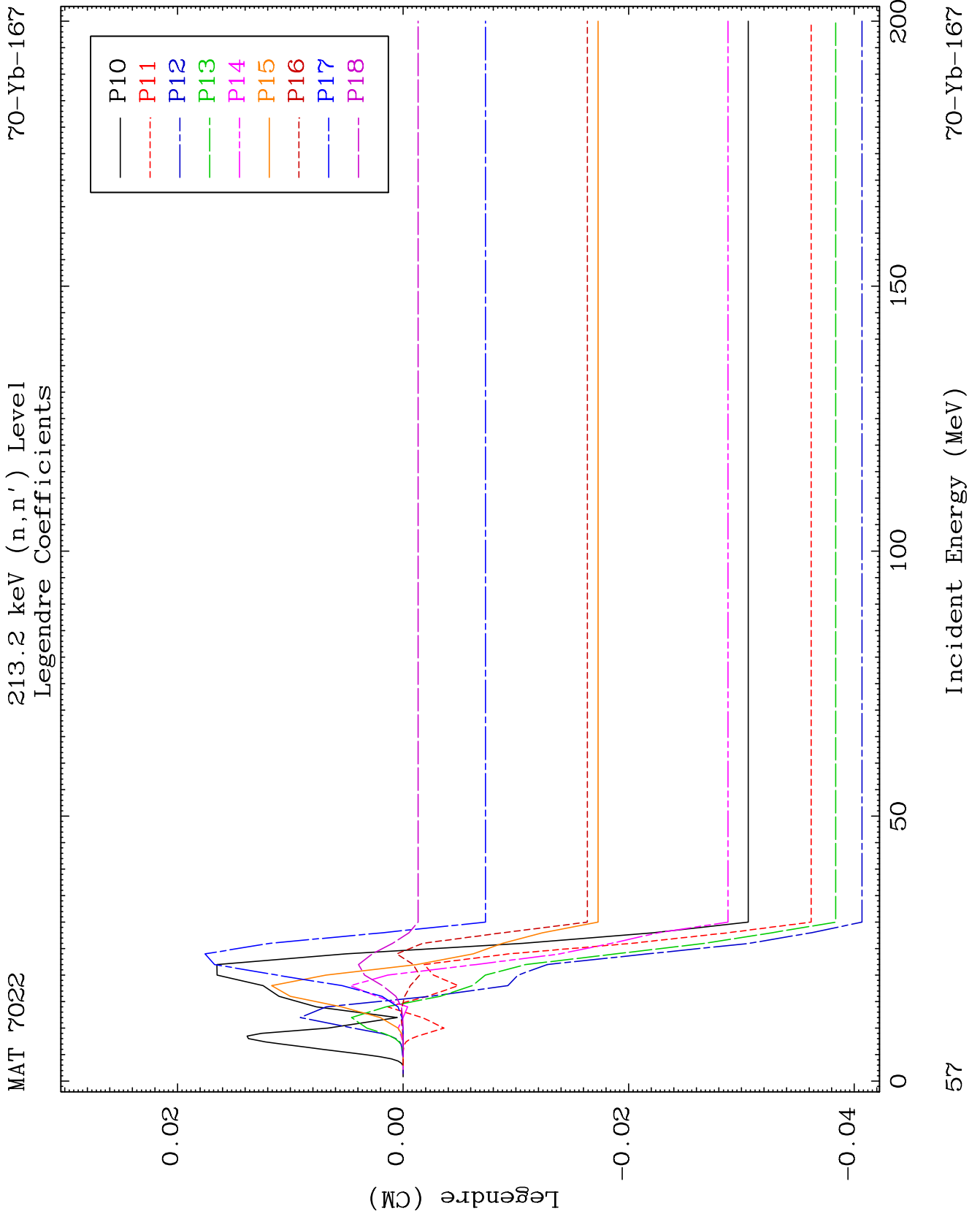
70-Yb-167

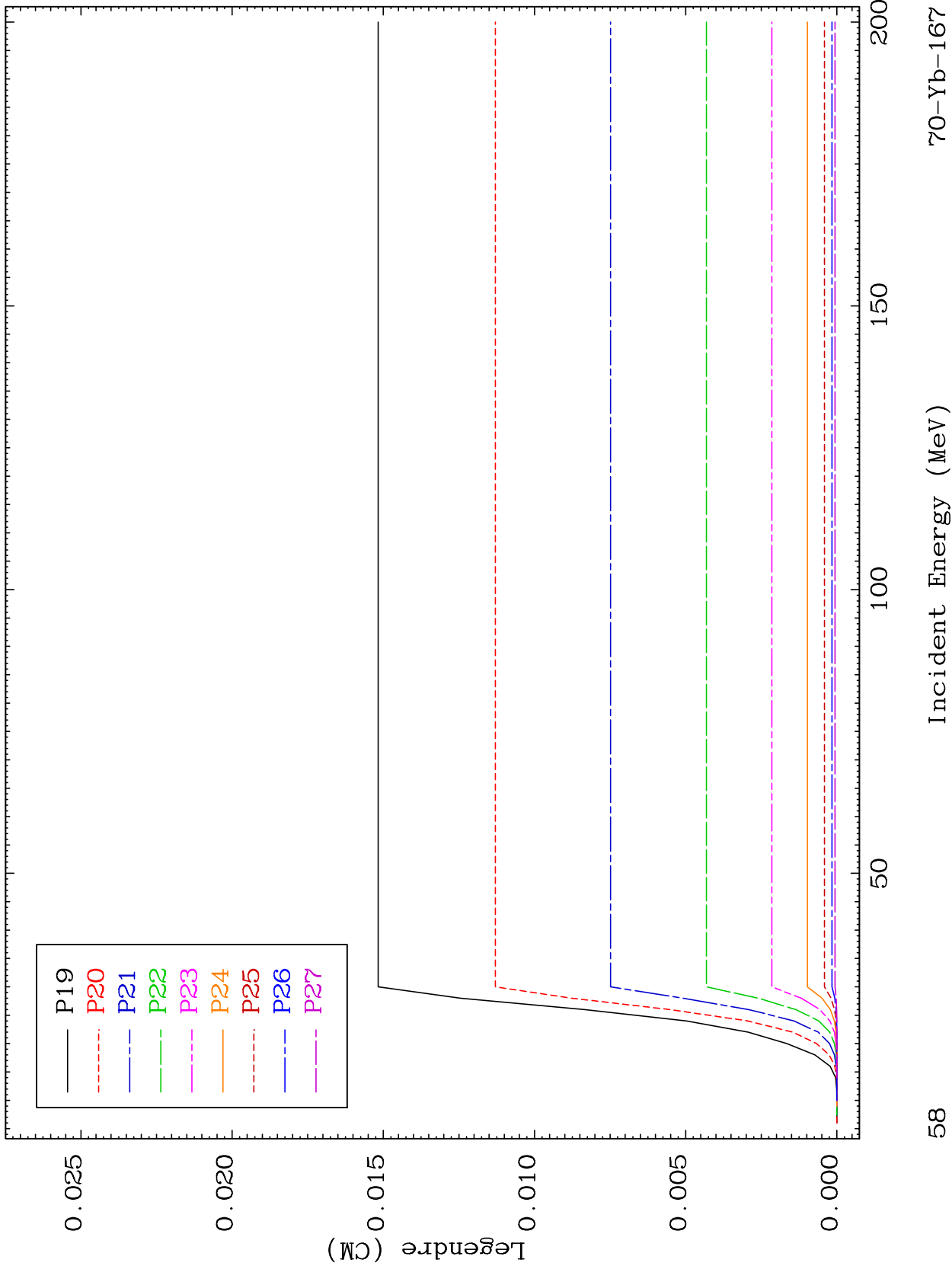


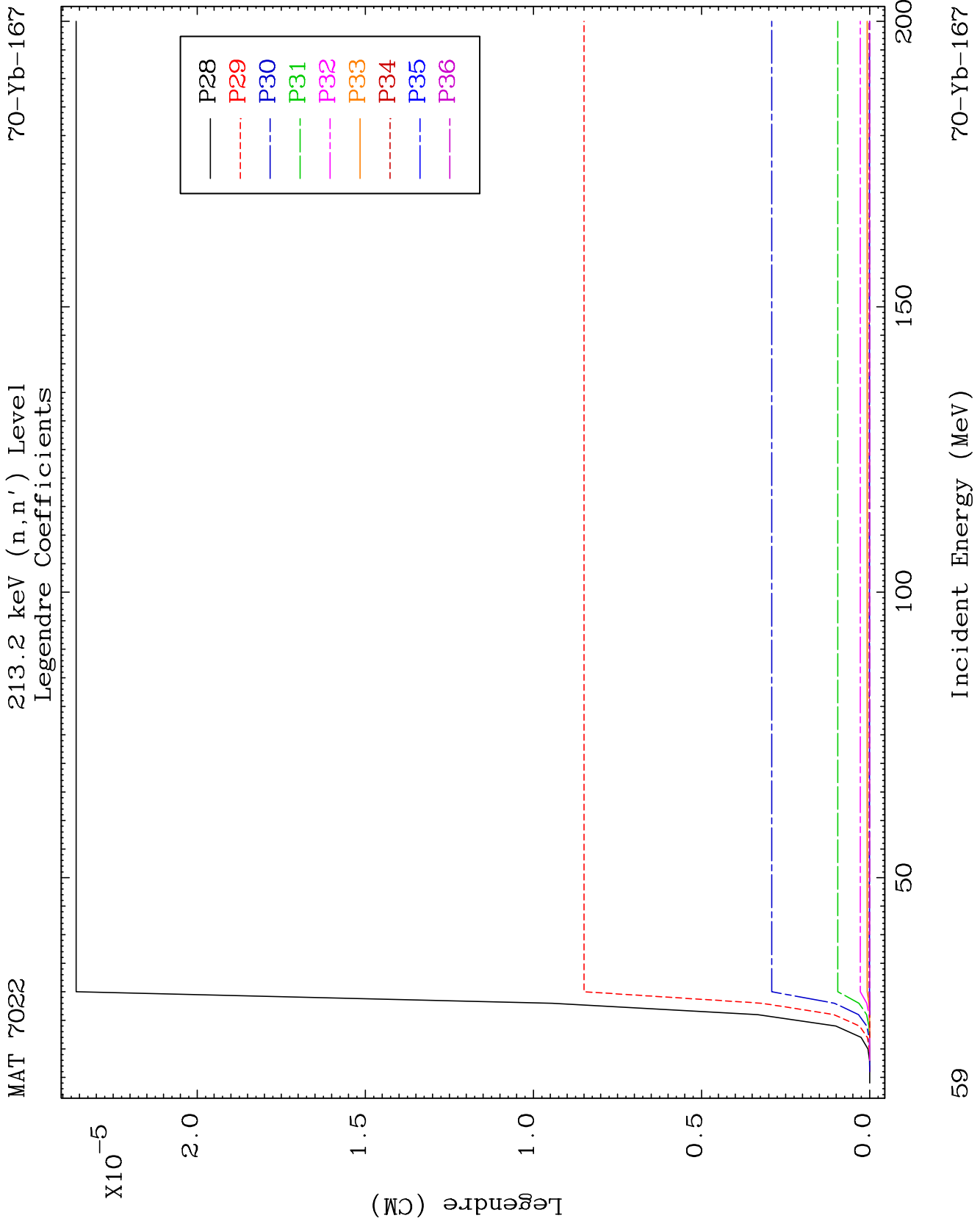


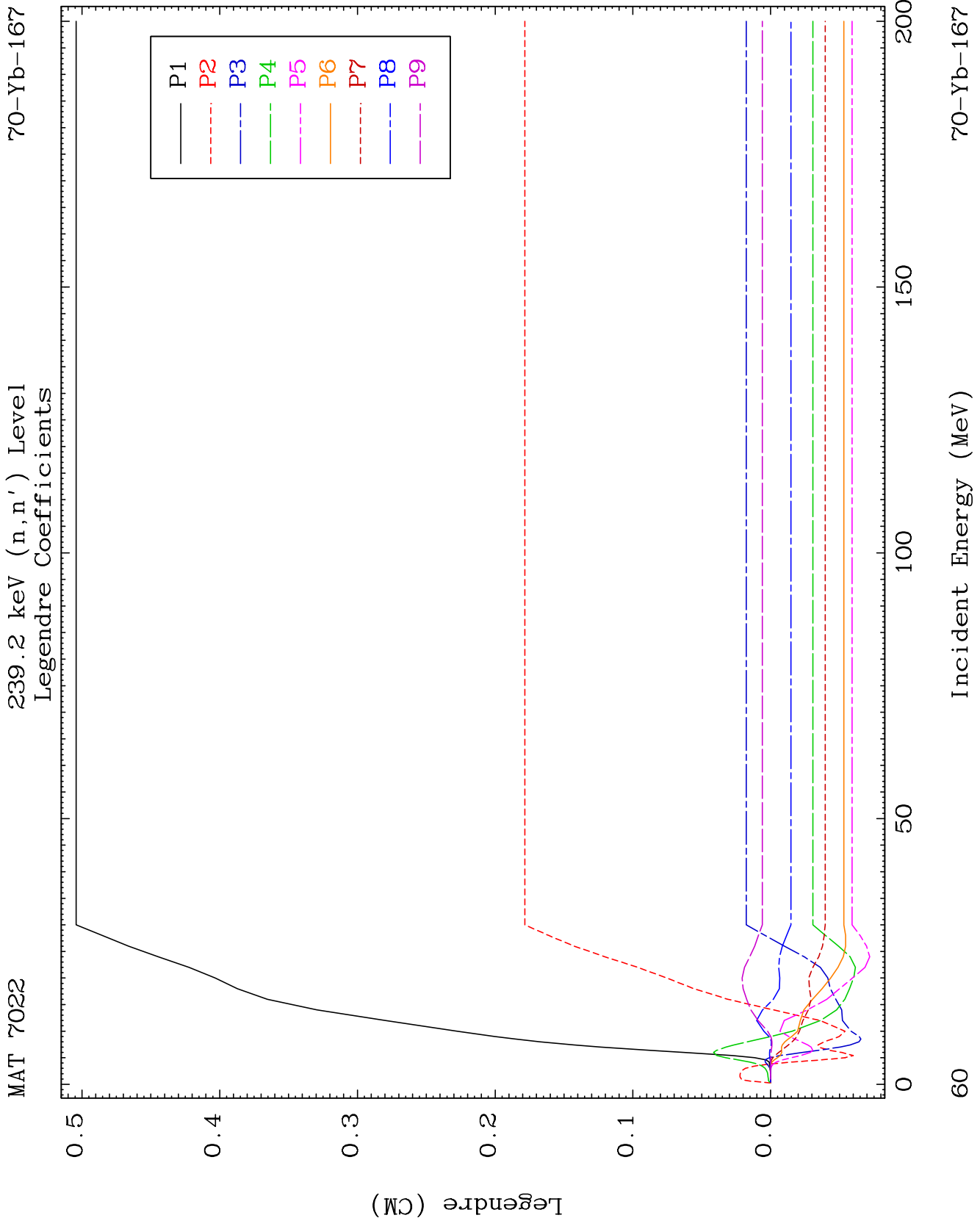








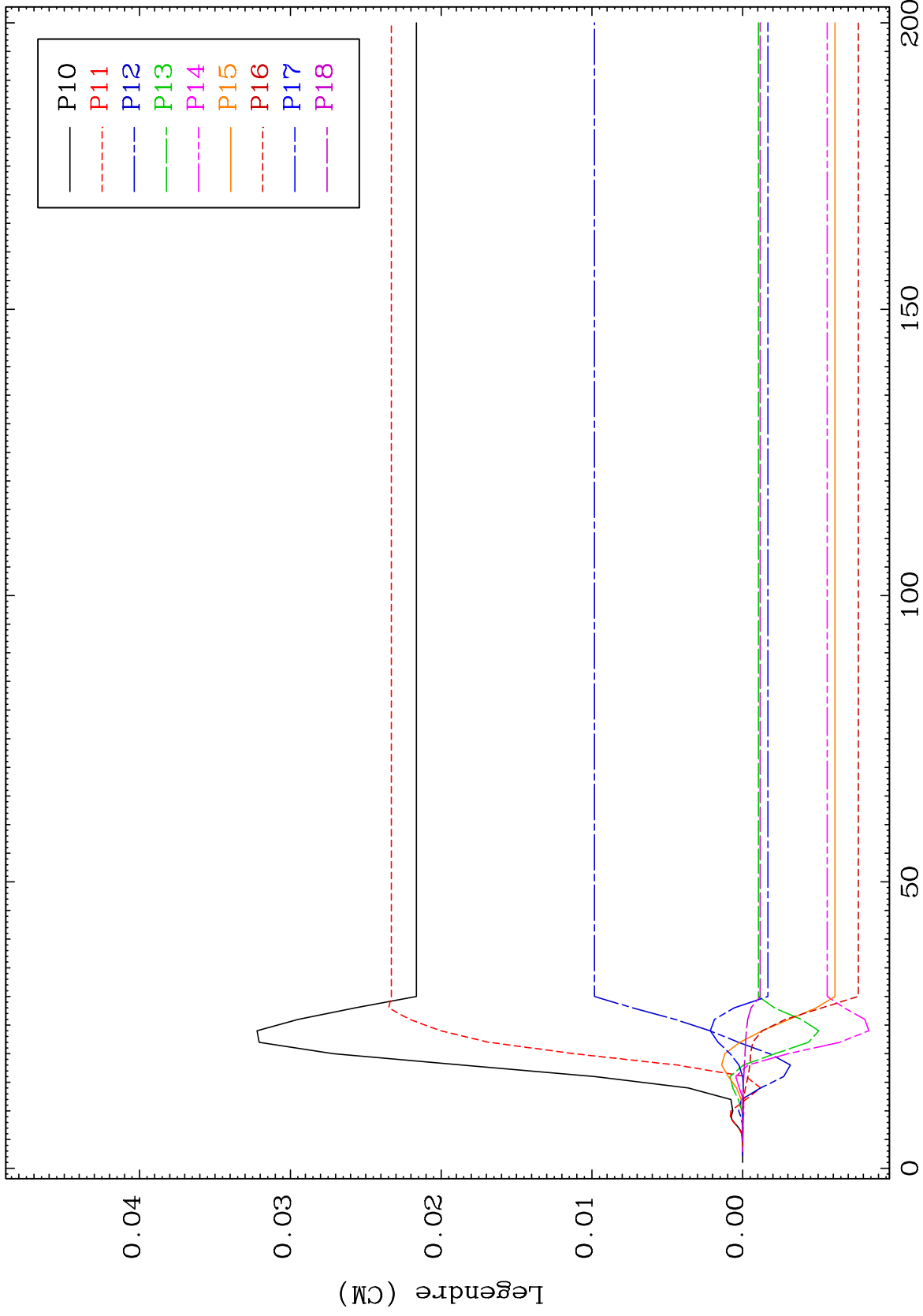




MAT 7022

239.2 keV (n,n') Level
Legendre Coefficients

70-Yb-167



61

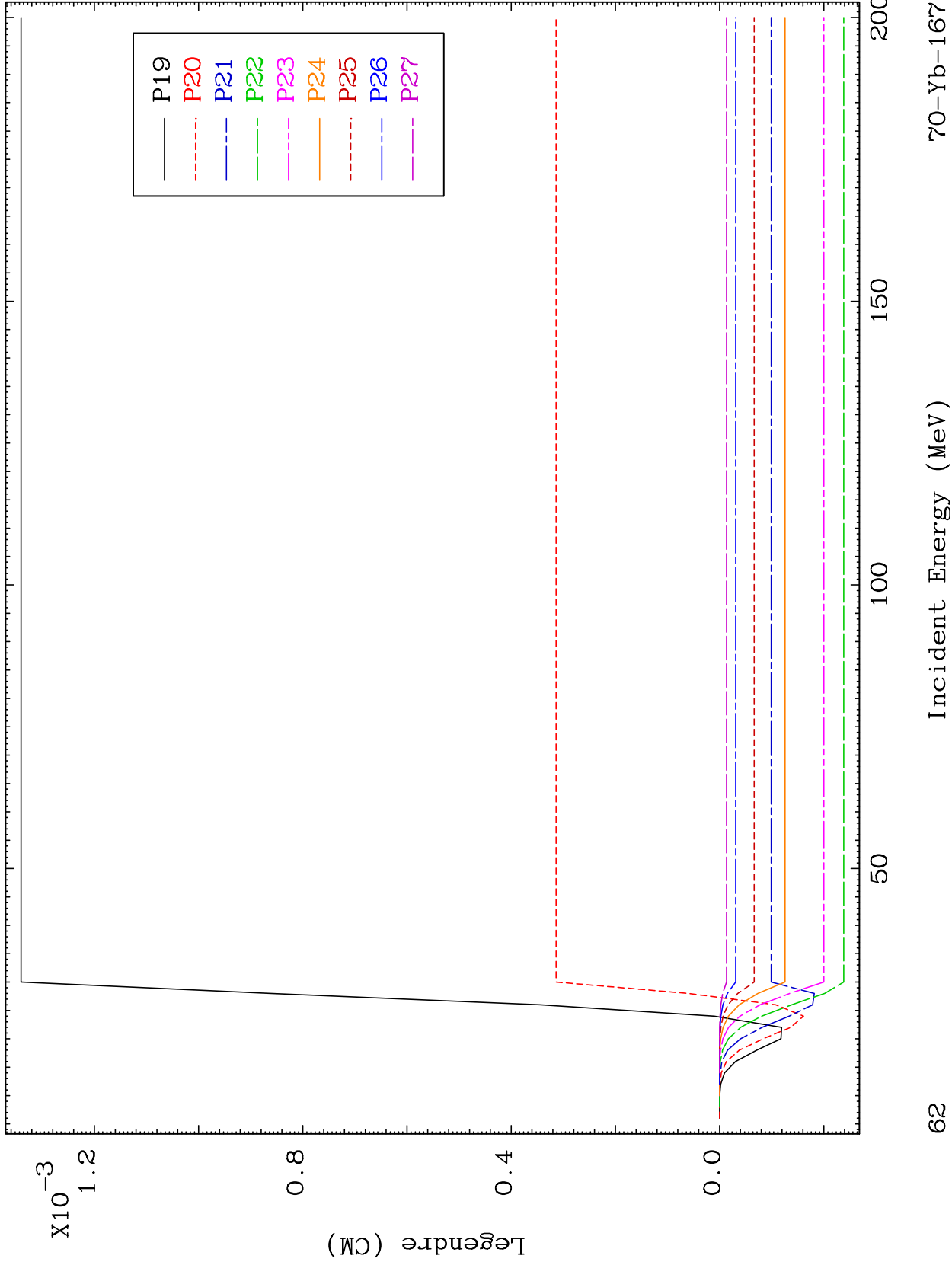
Incident Energy (MeV)

70-Yb-167

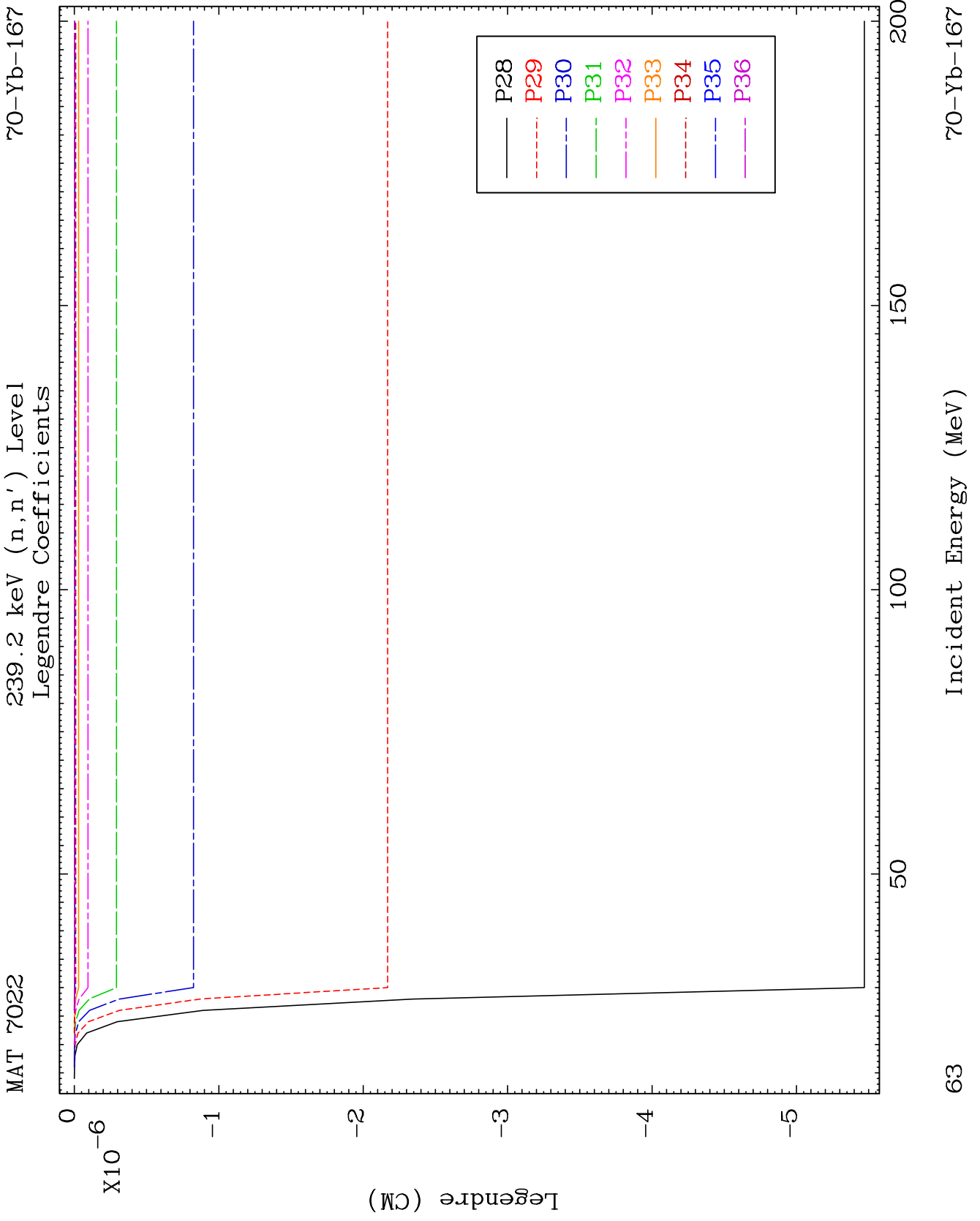
MAT 7022

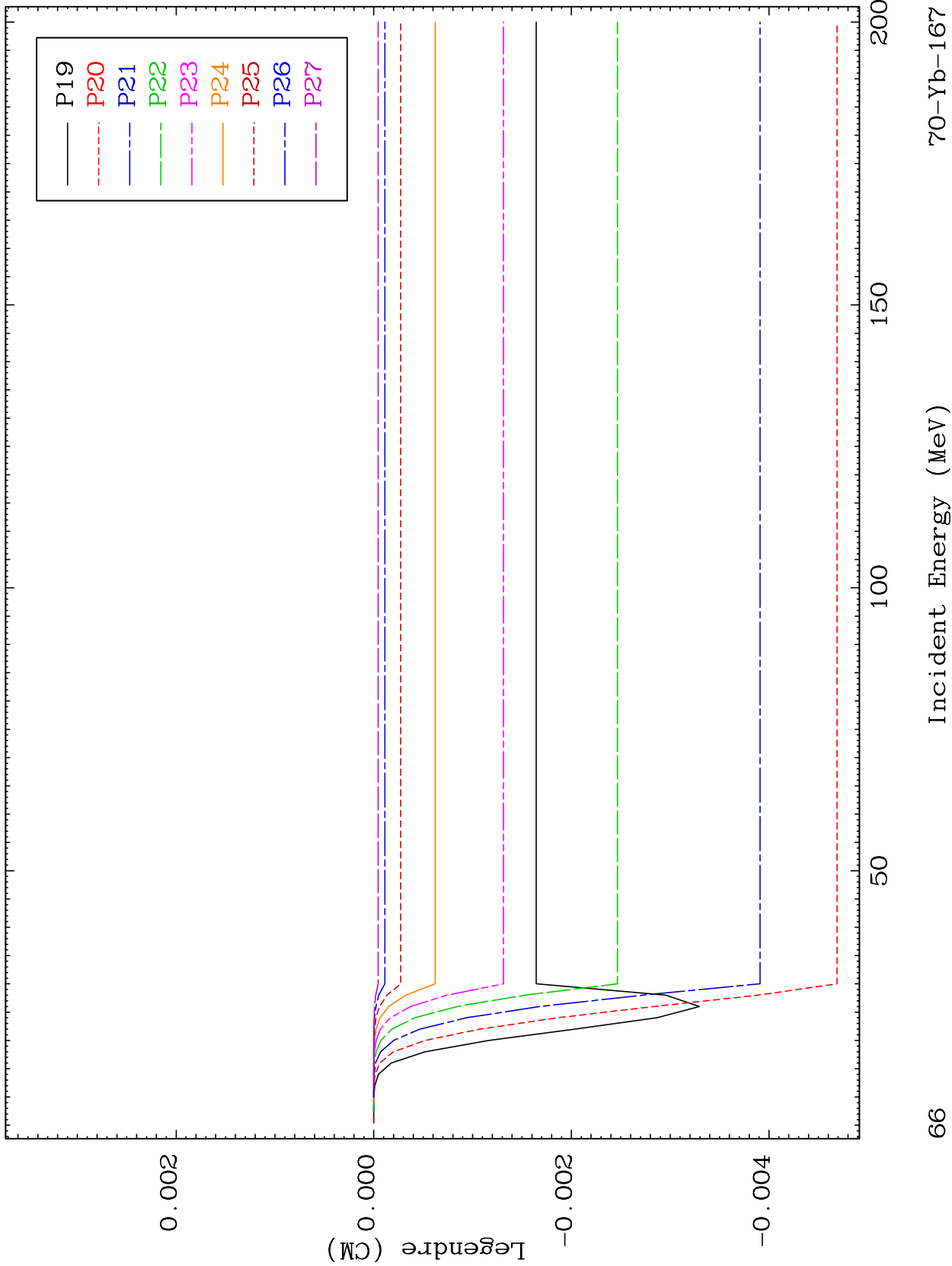
239.2 keV (n,n') Level
Legendre Coefficients

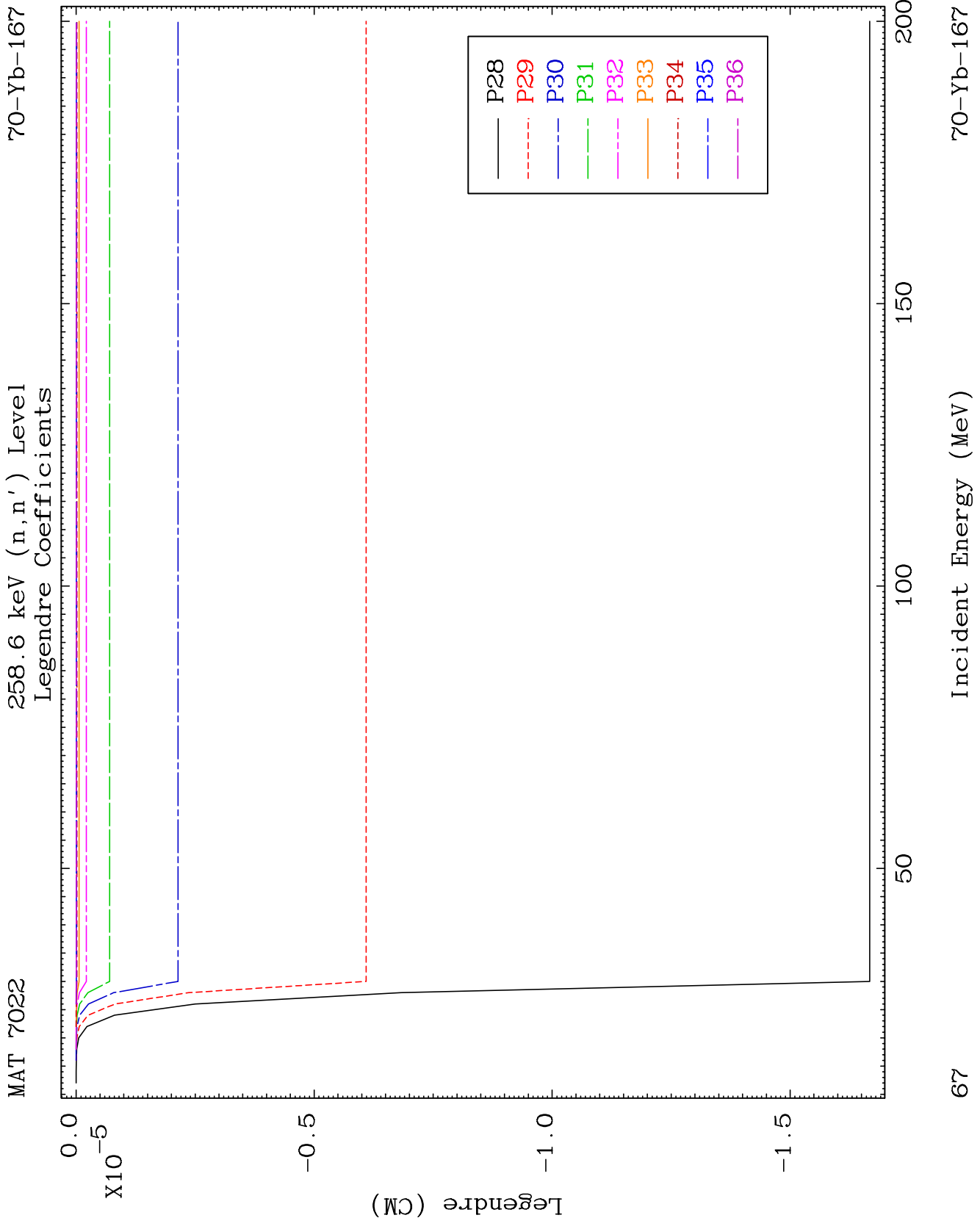
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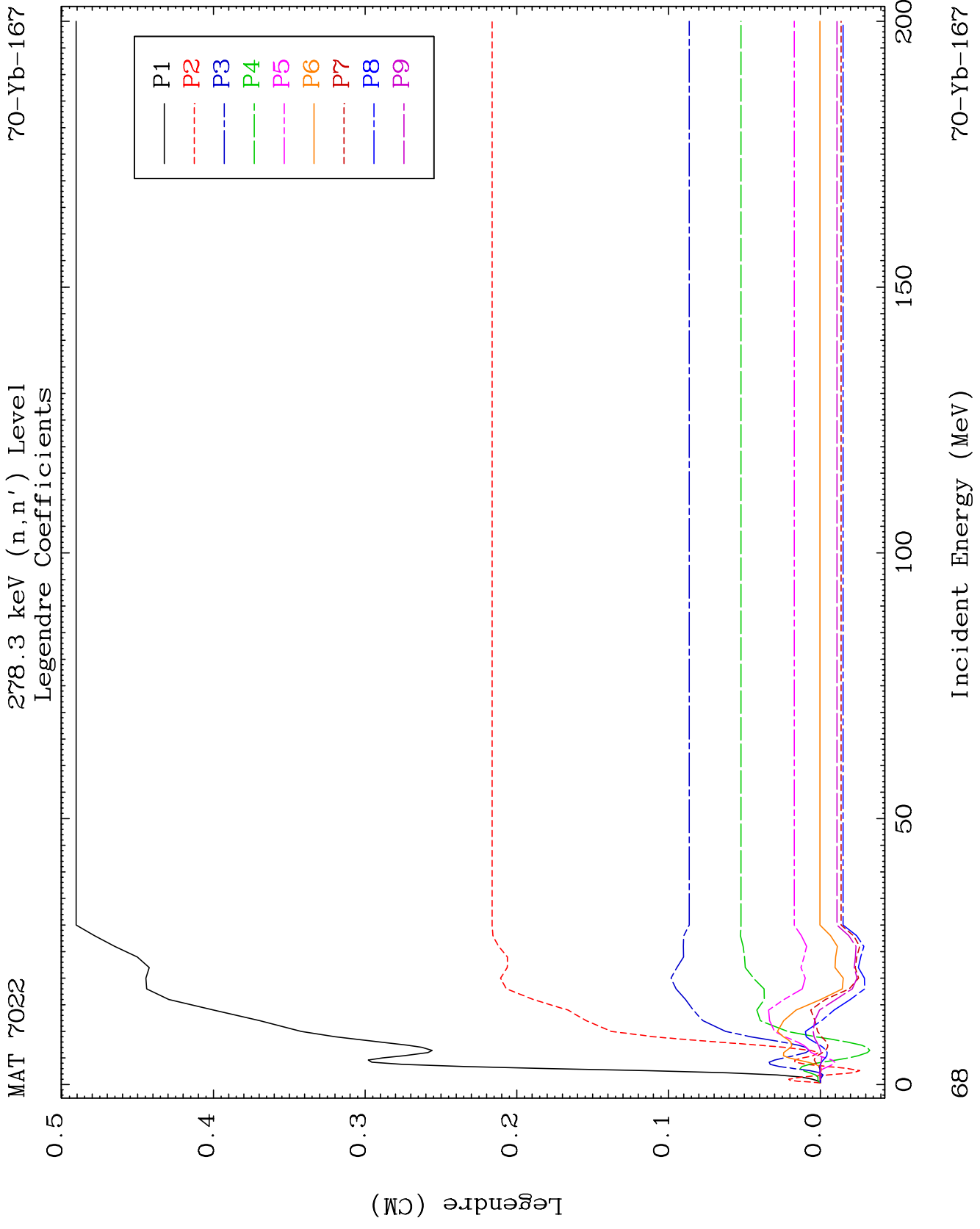


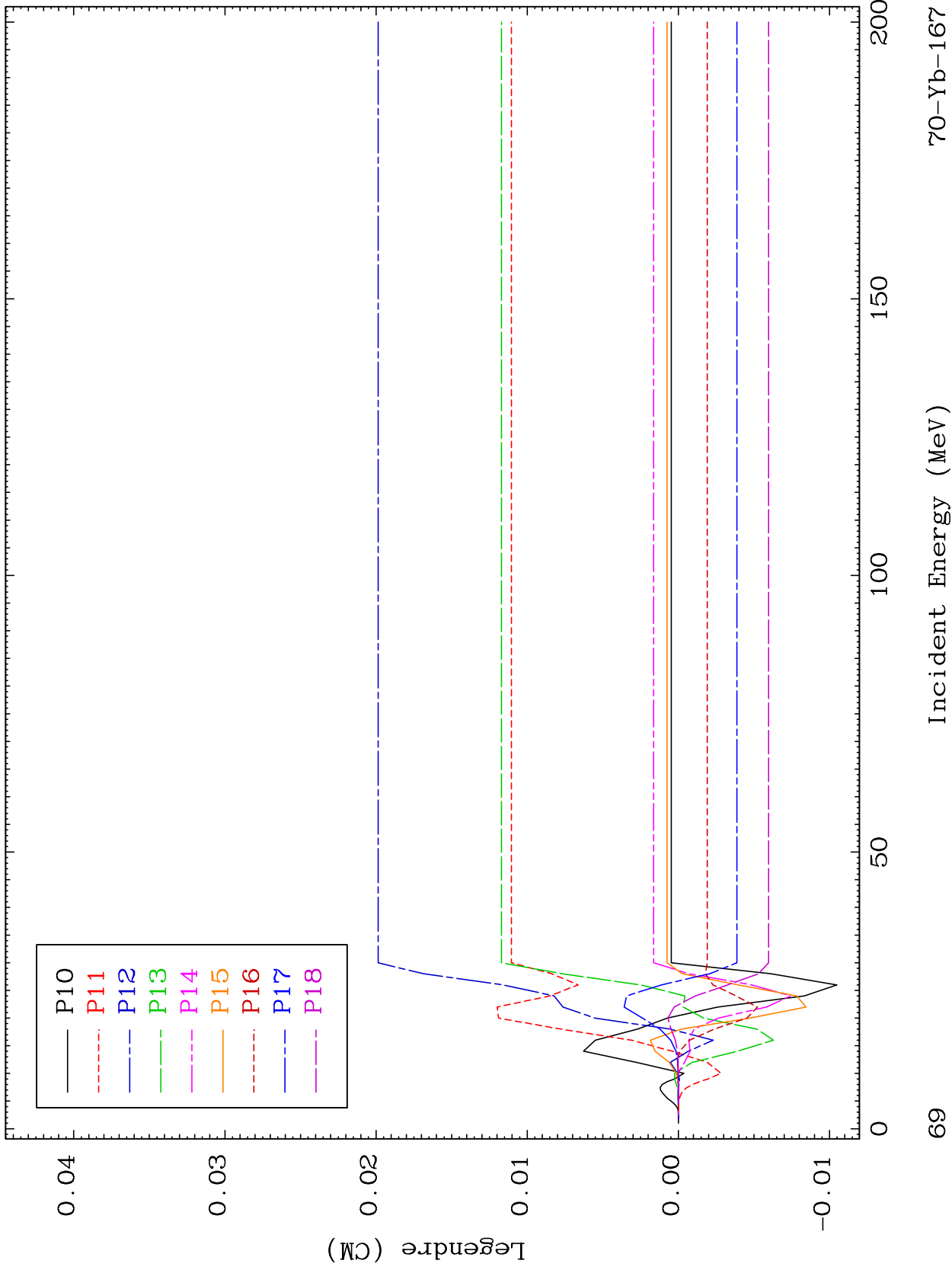
62

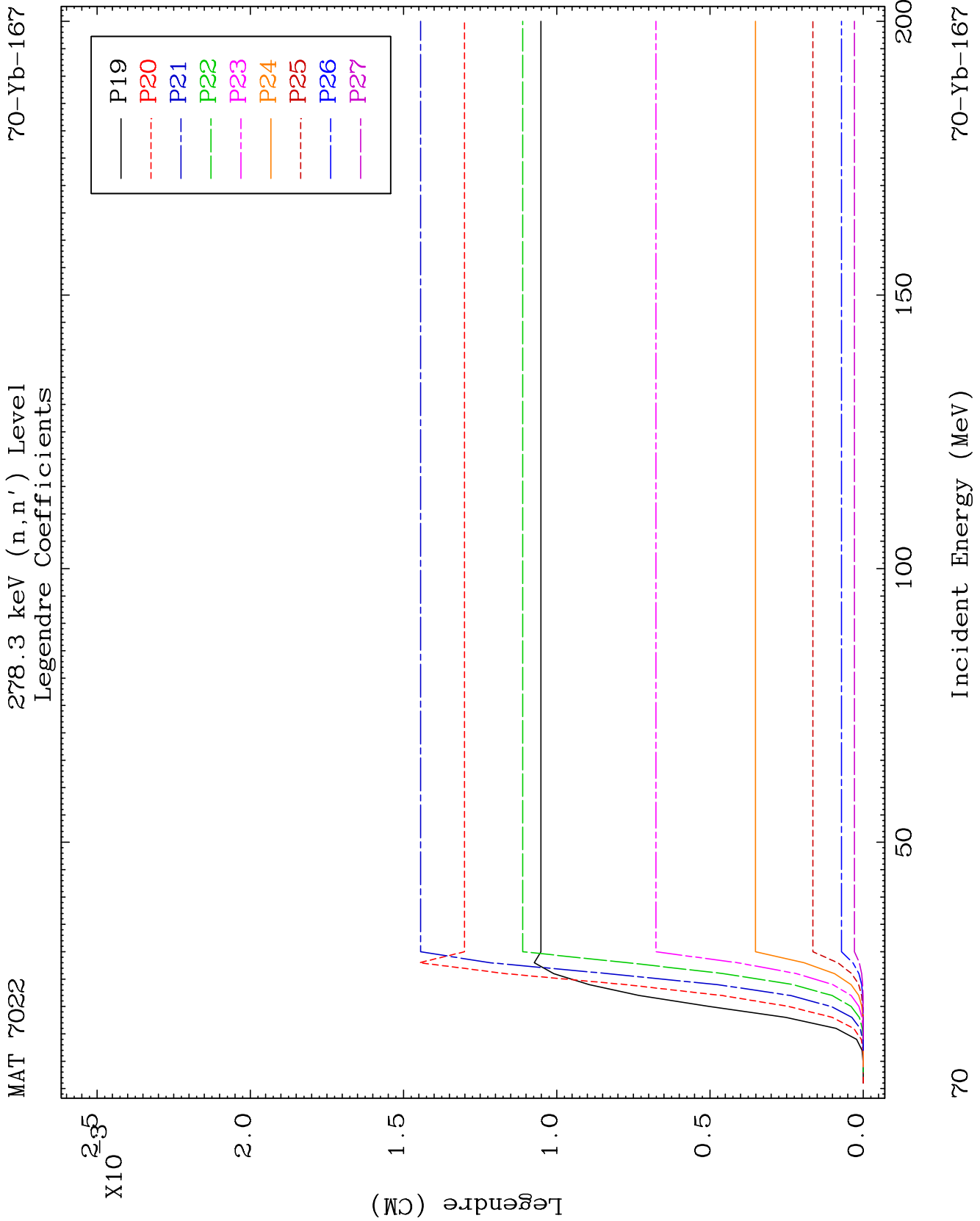


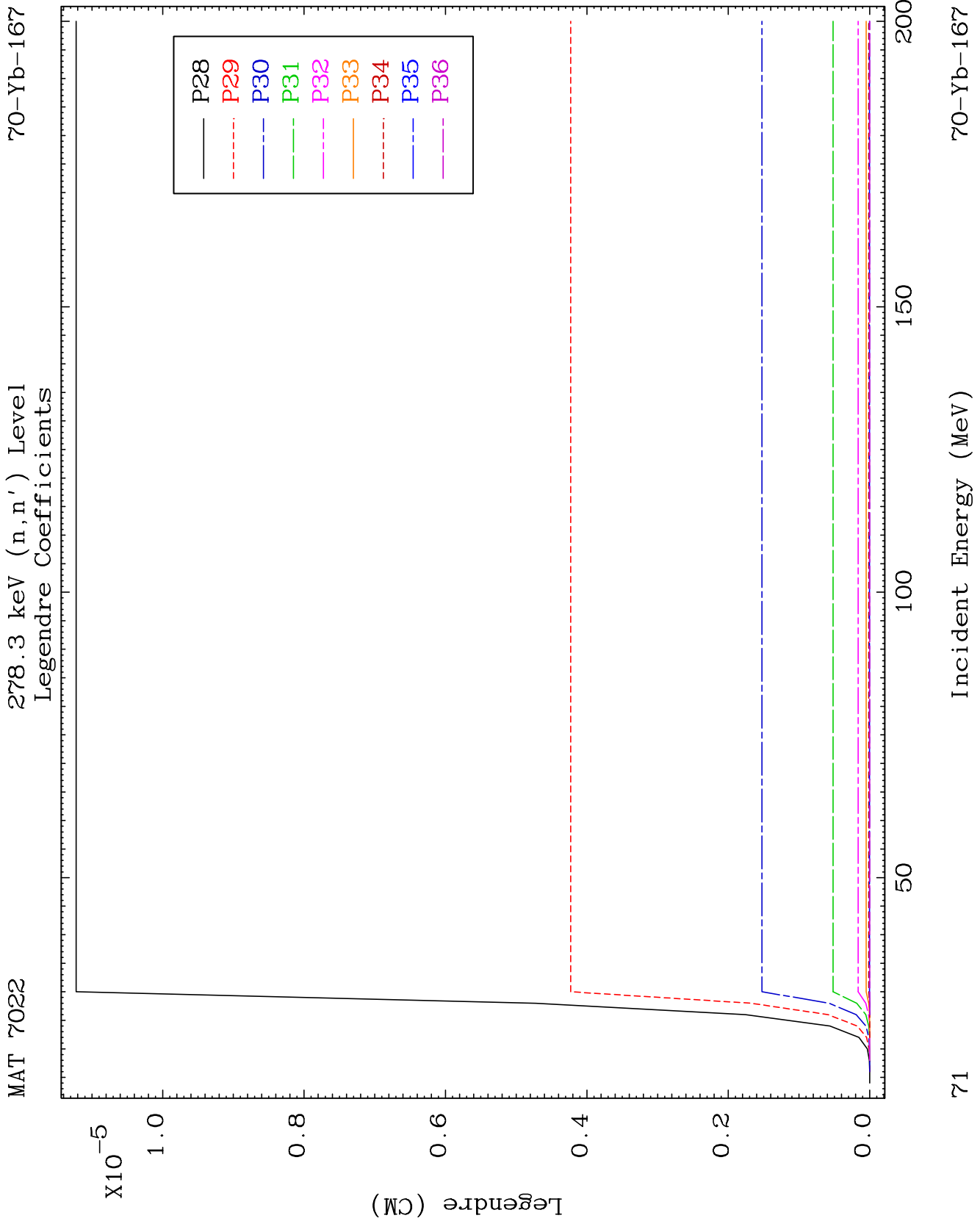


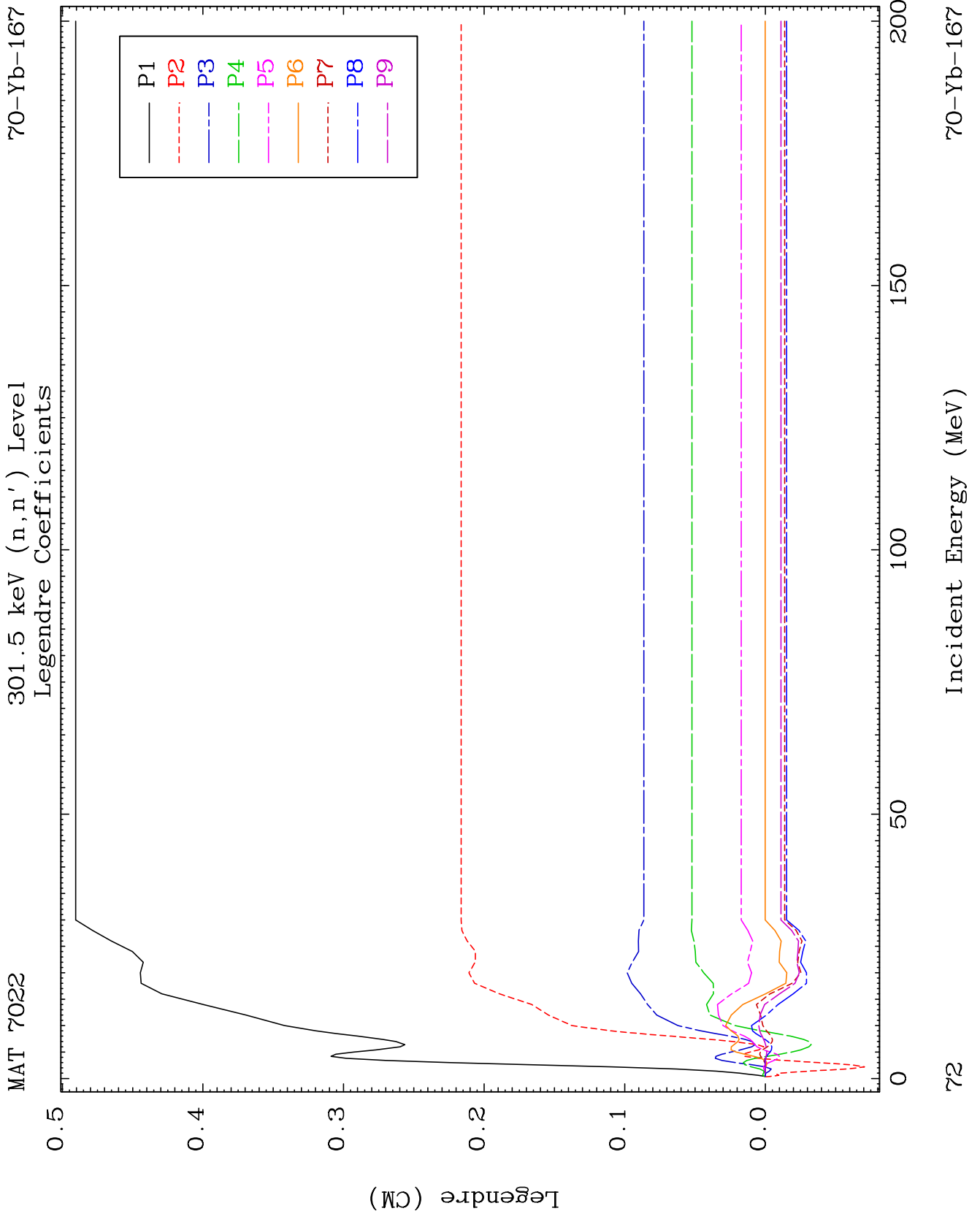








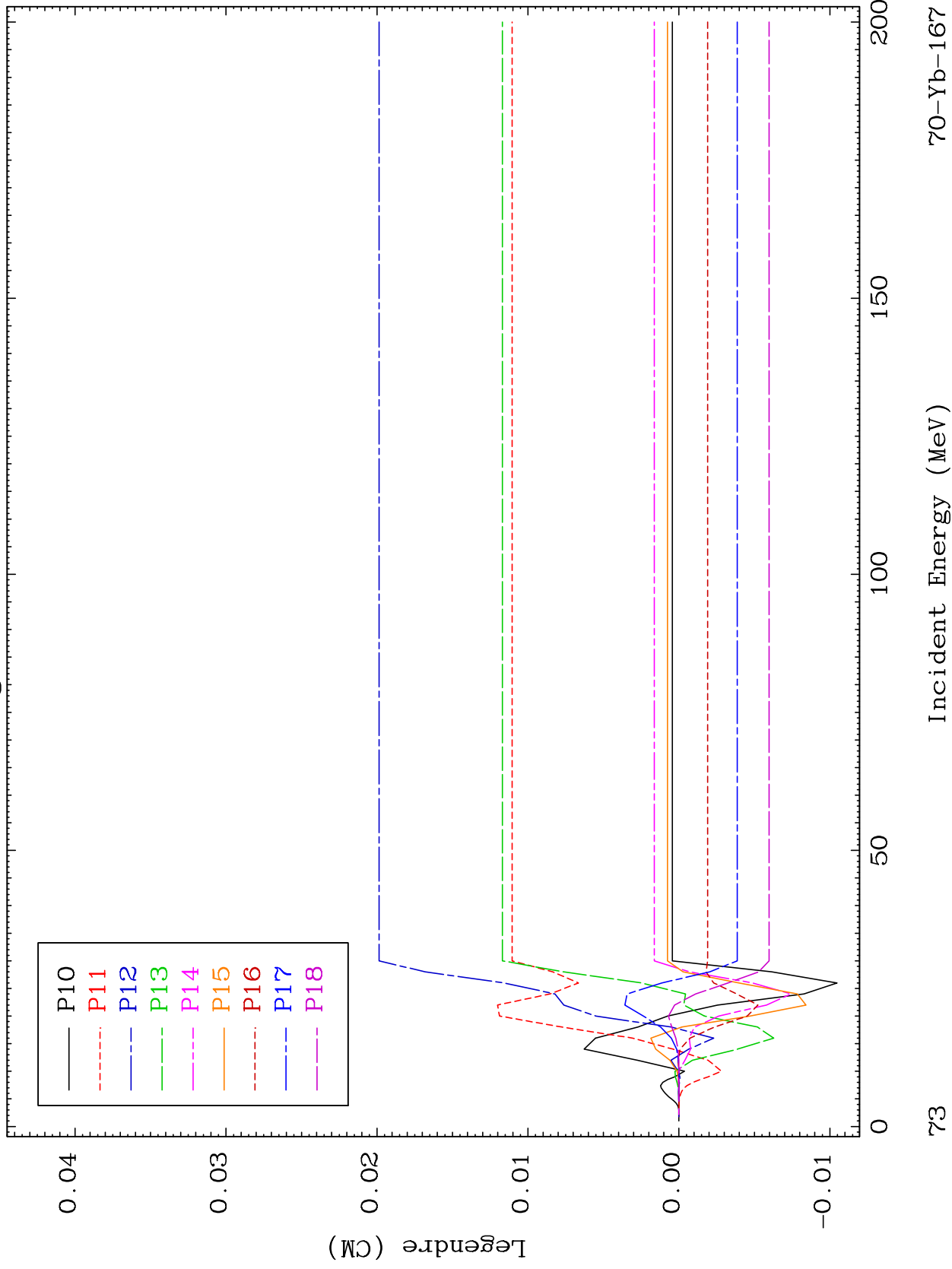




MAT 7022

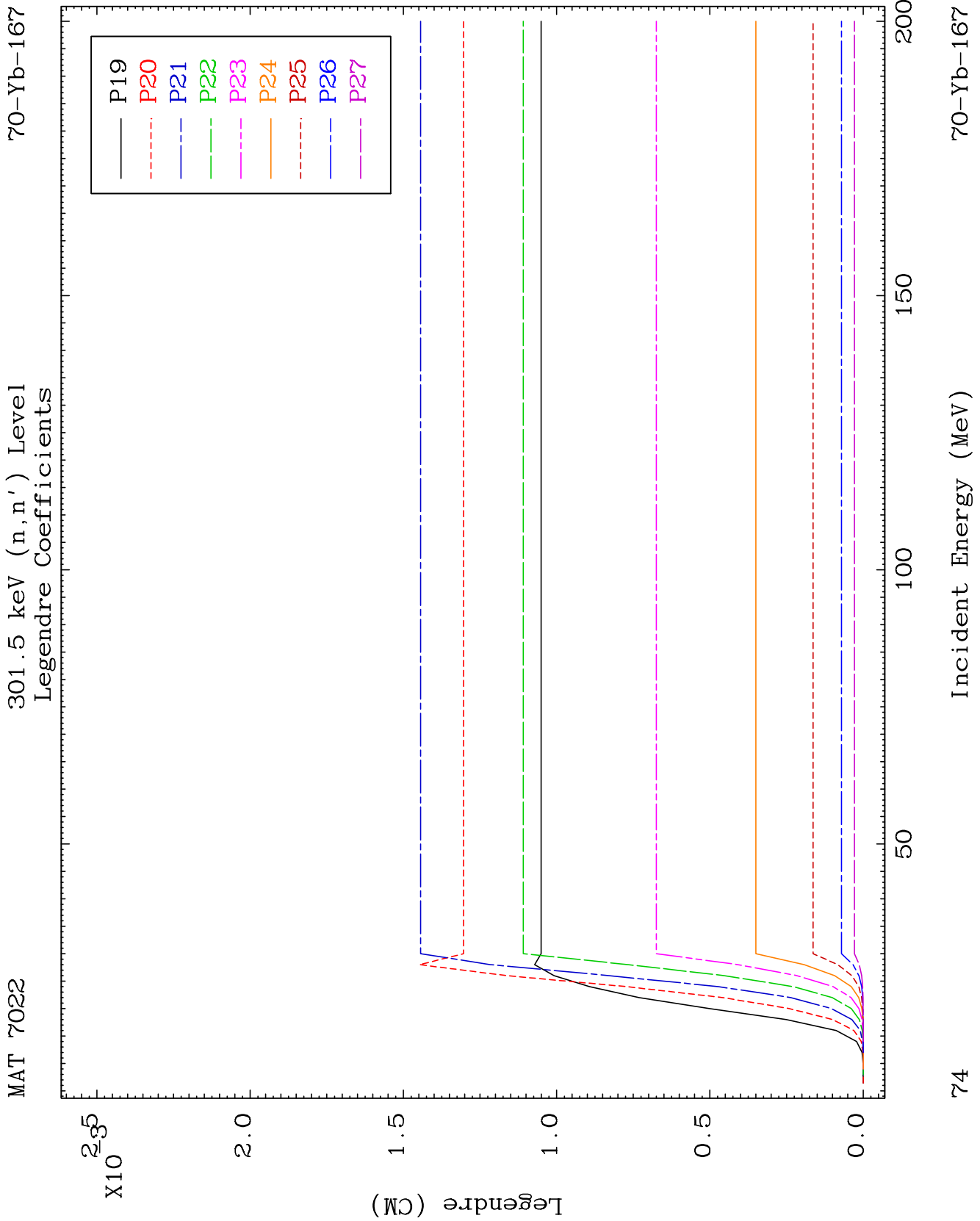
301.5 keV (n,n') Level
Legendre Coefficients

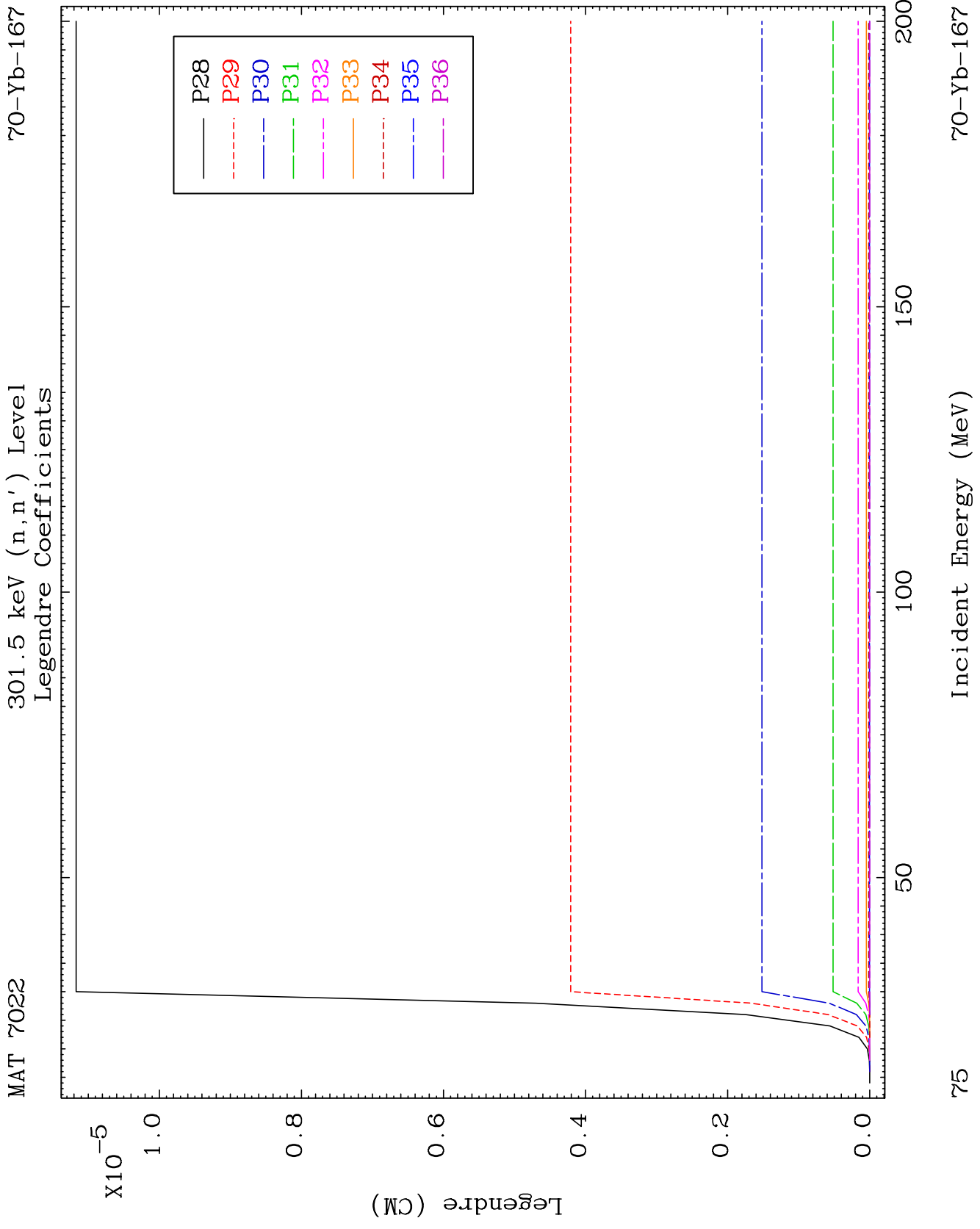
70-Yb-167

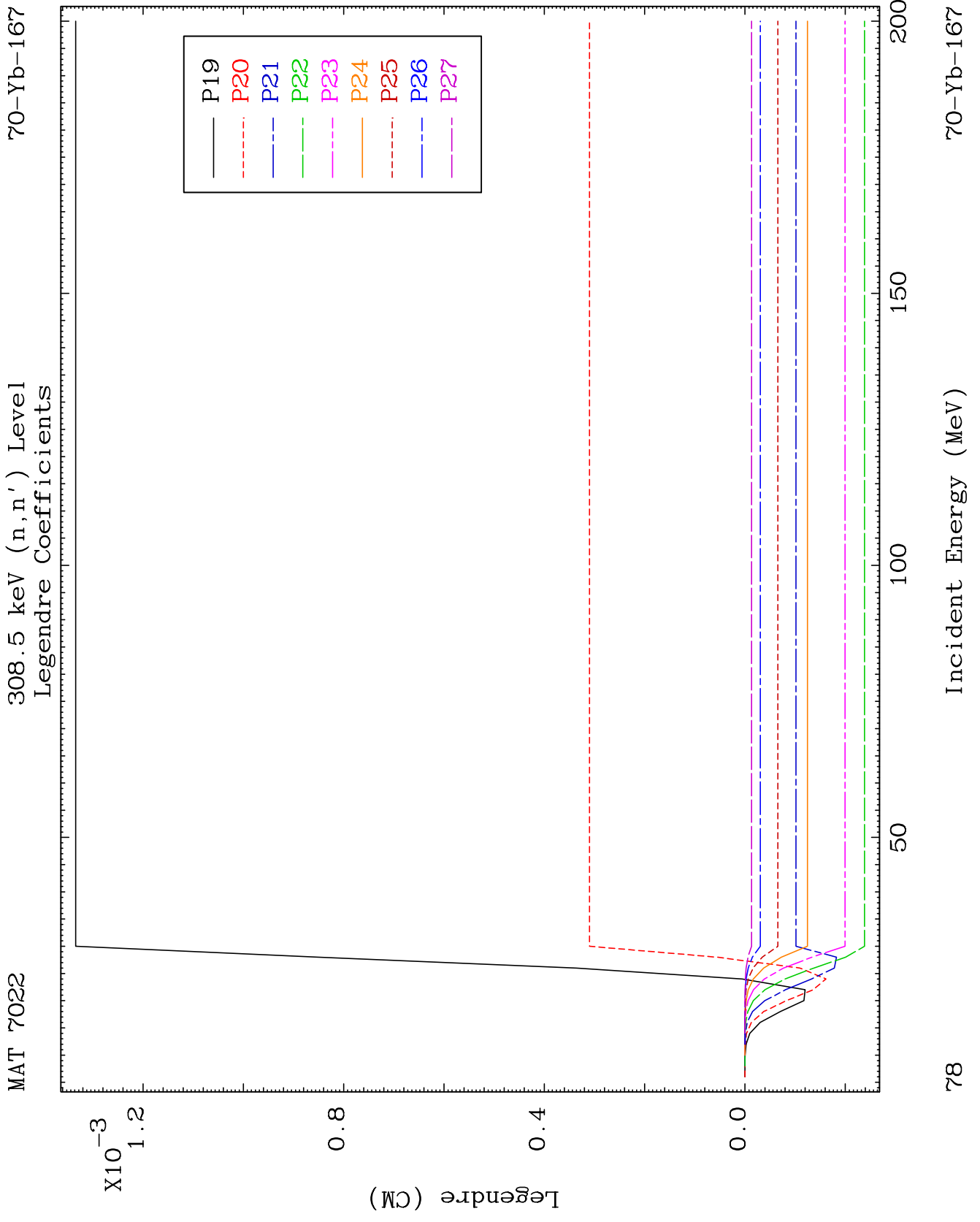


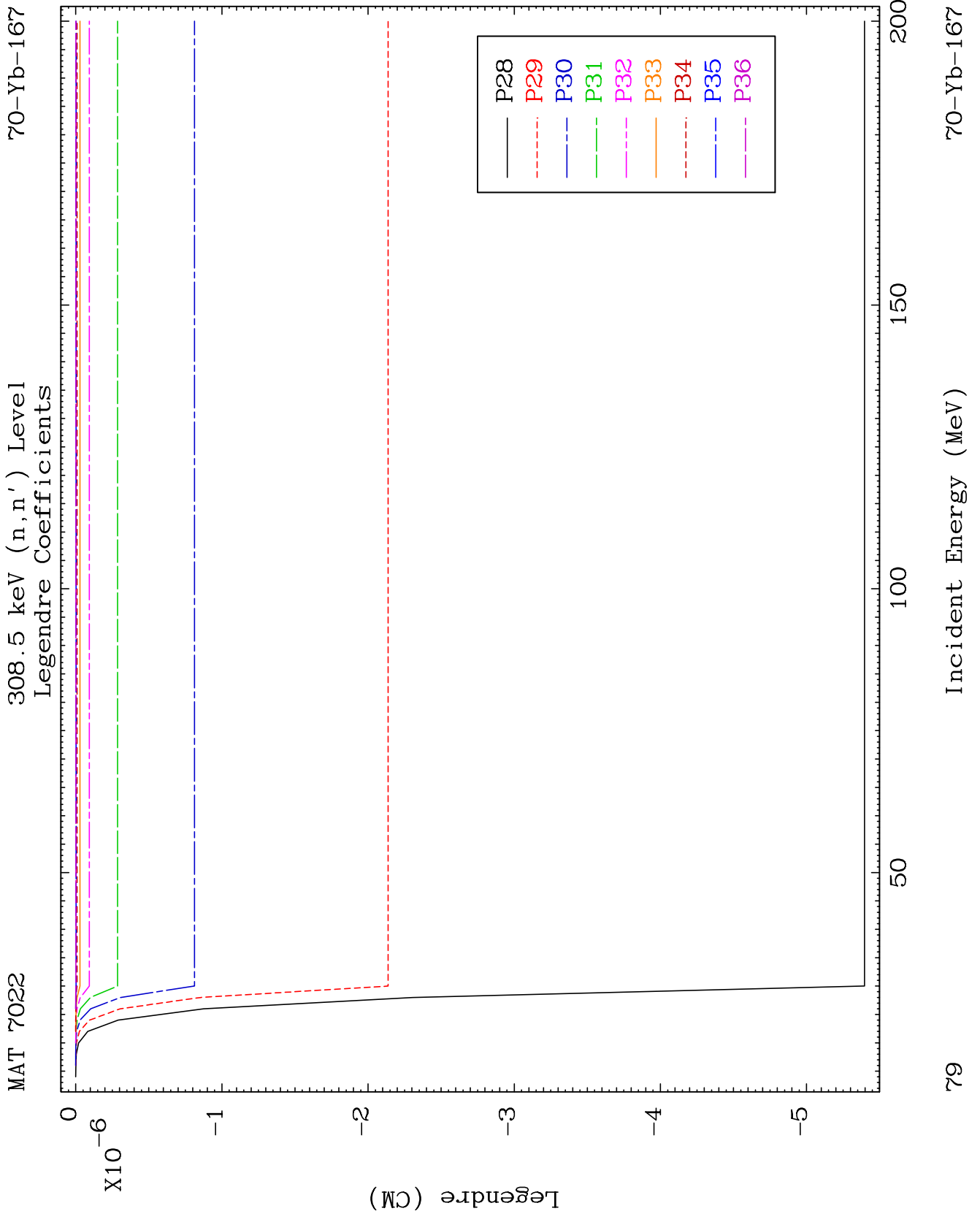
73

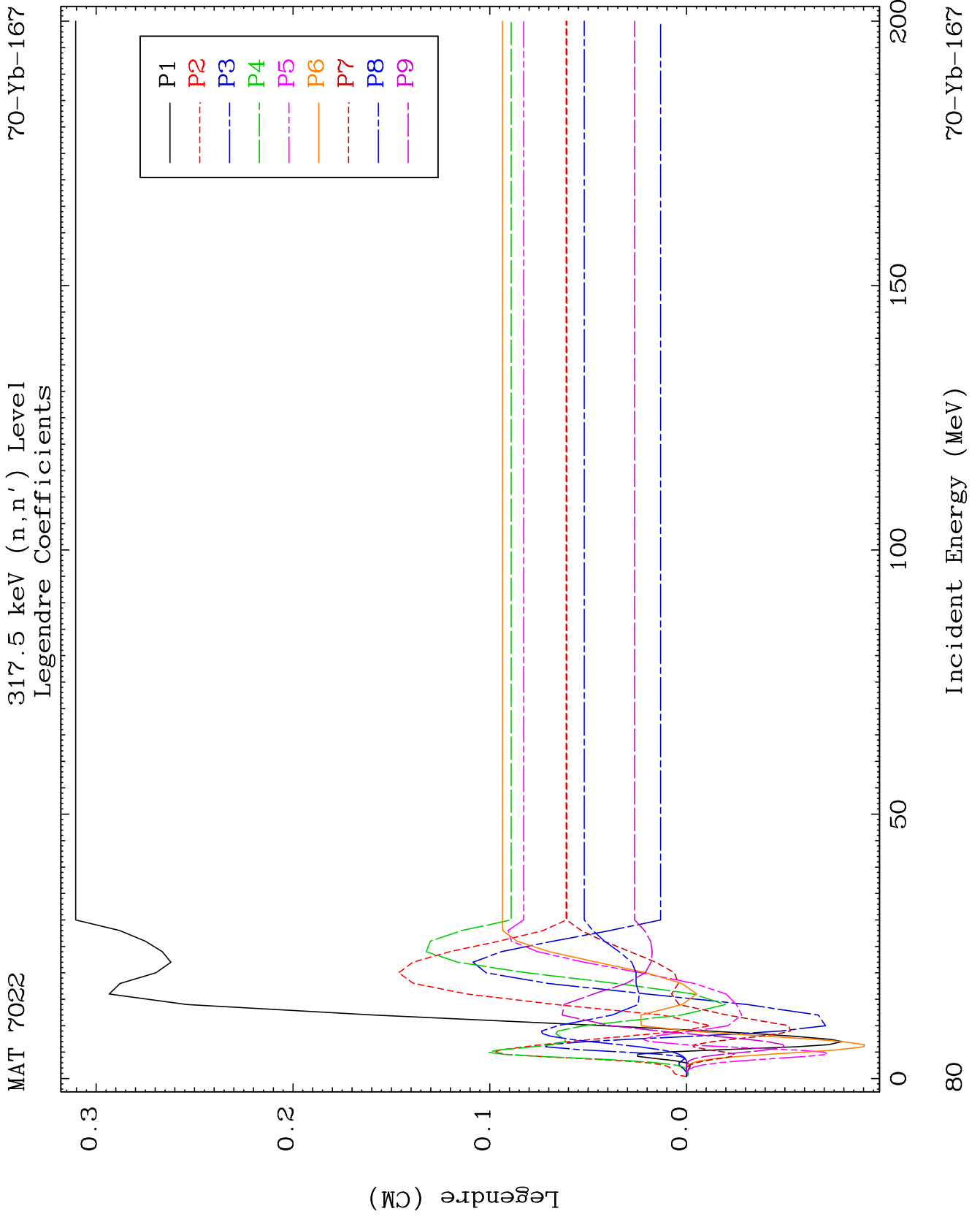
70-Yb-167

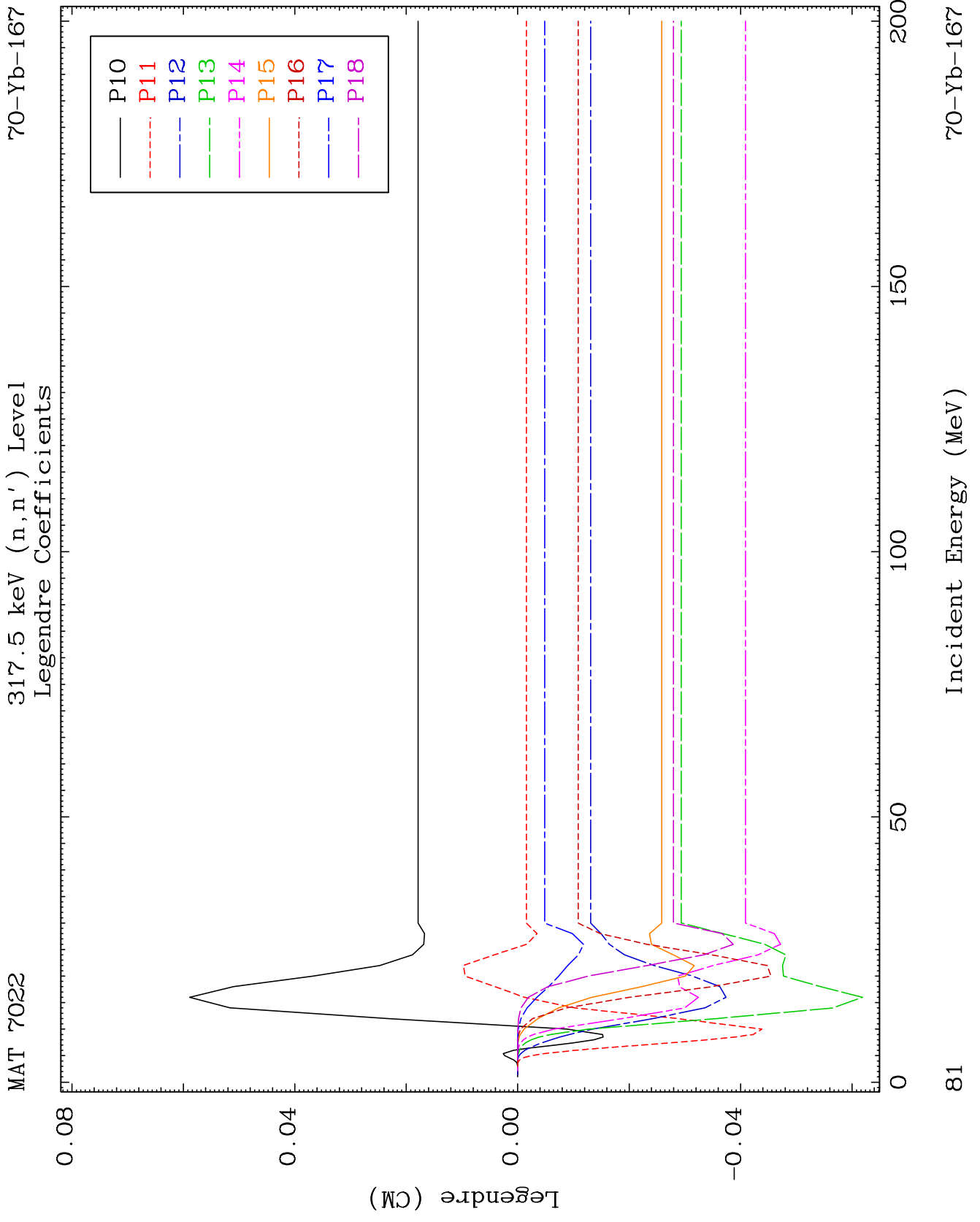


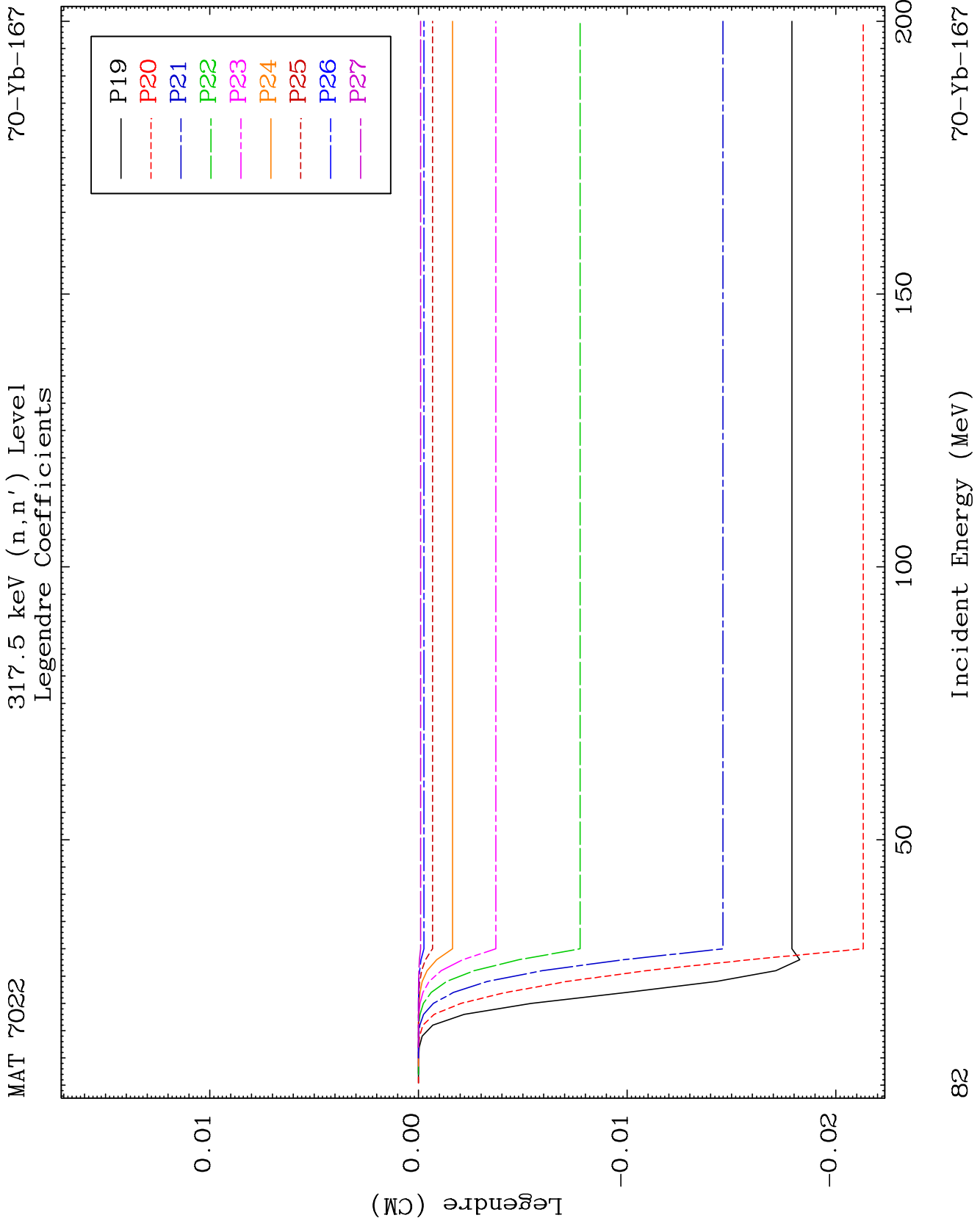


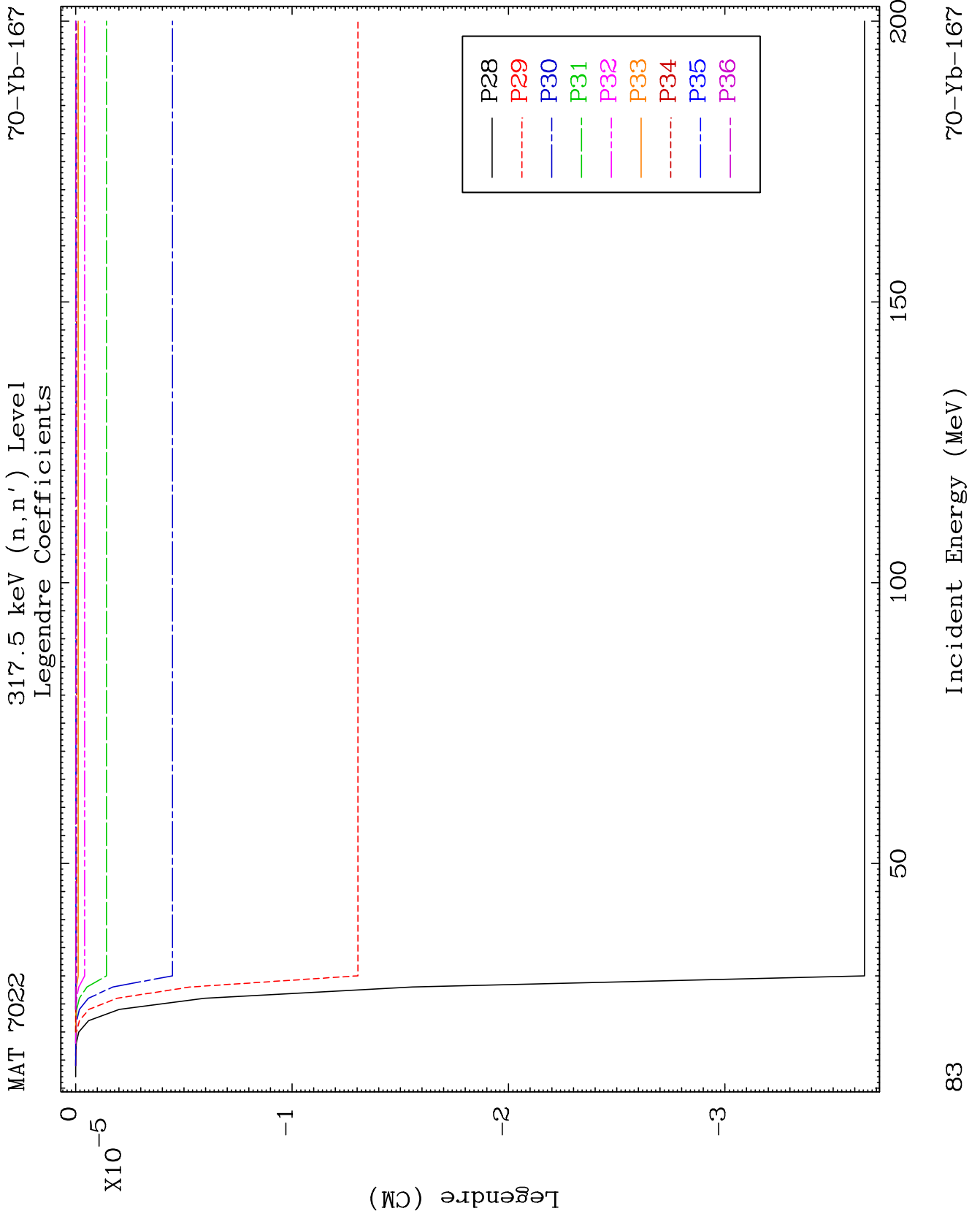








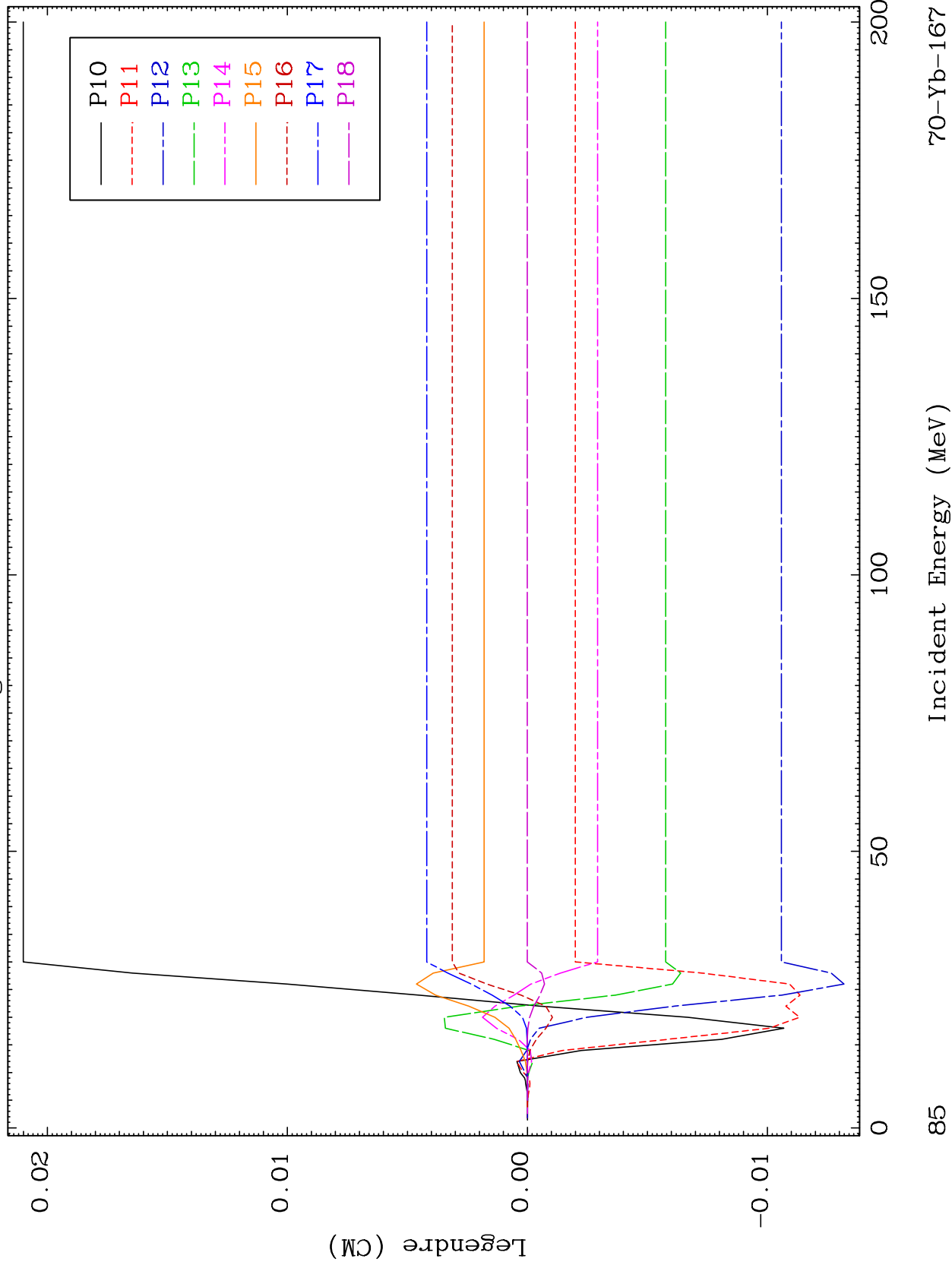




MAT 7022

330.2 keV (n,n') Level
Legendre Coefficients

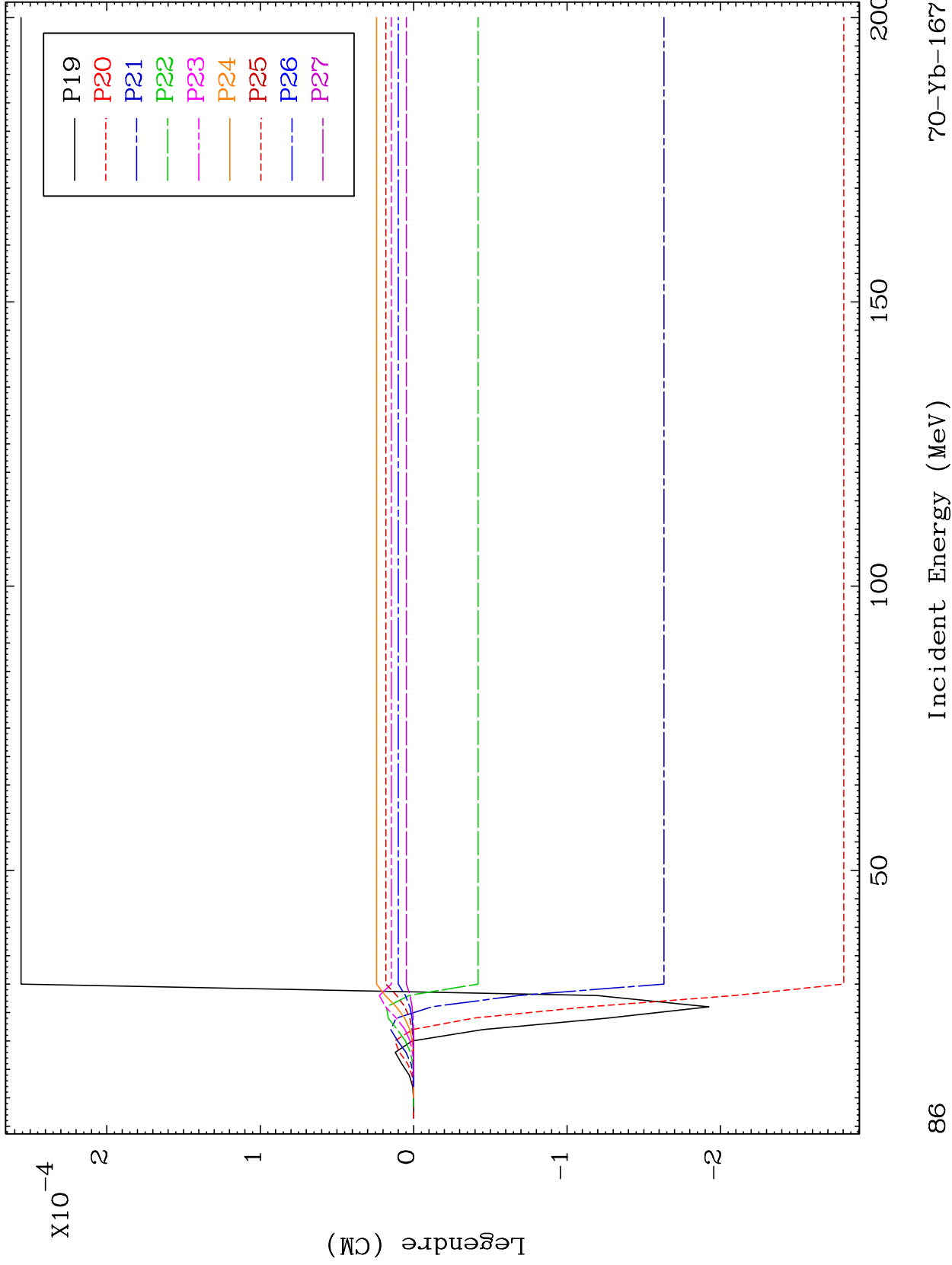
70-Yb-167

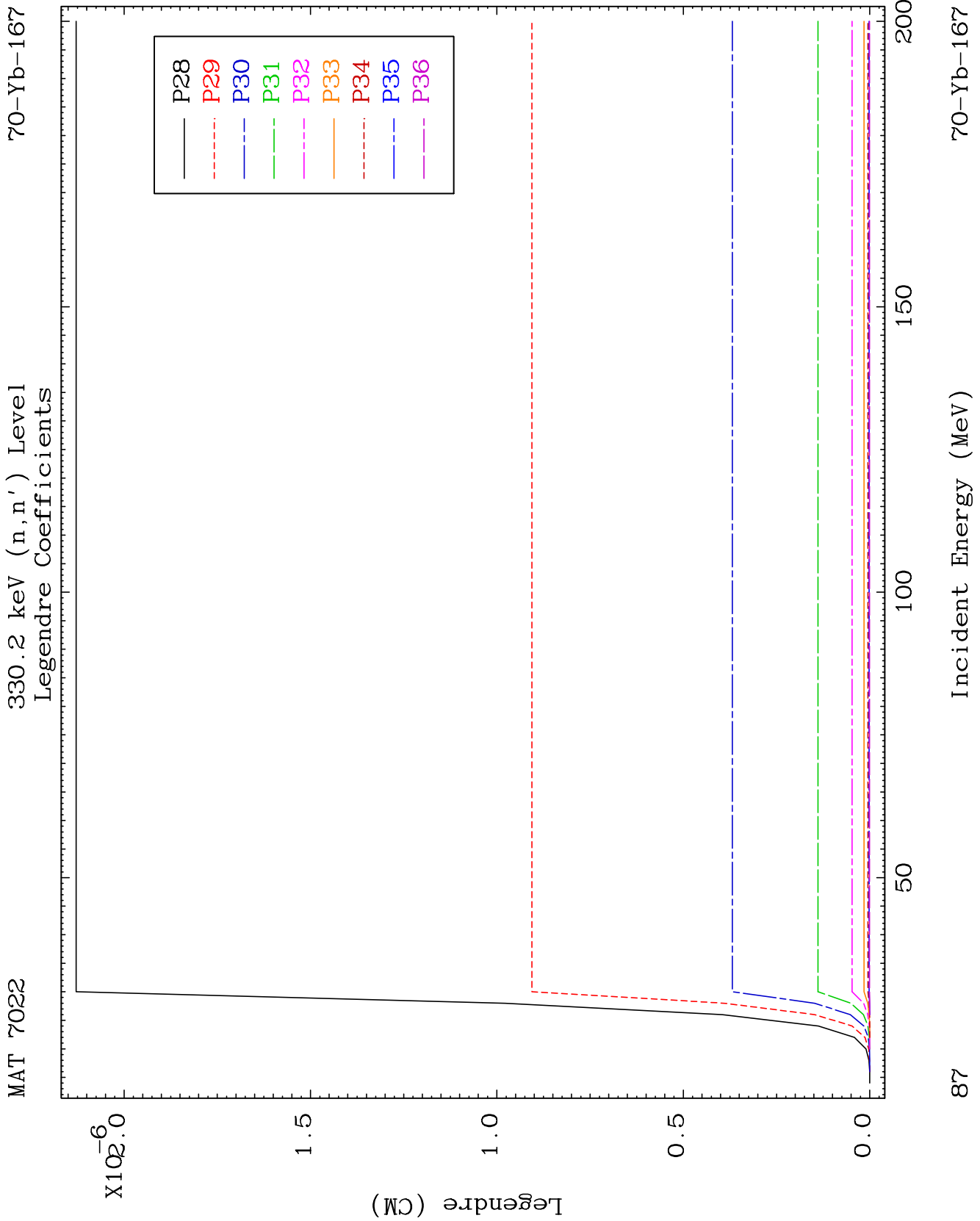


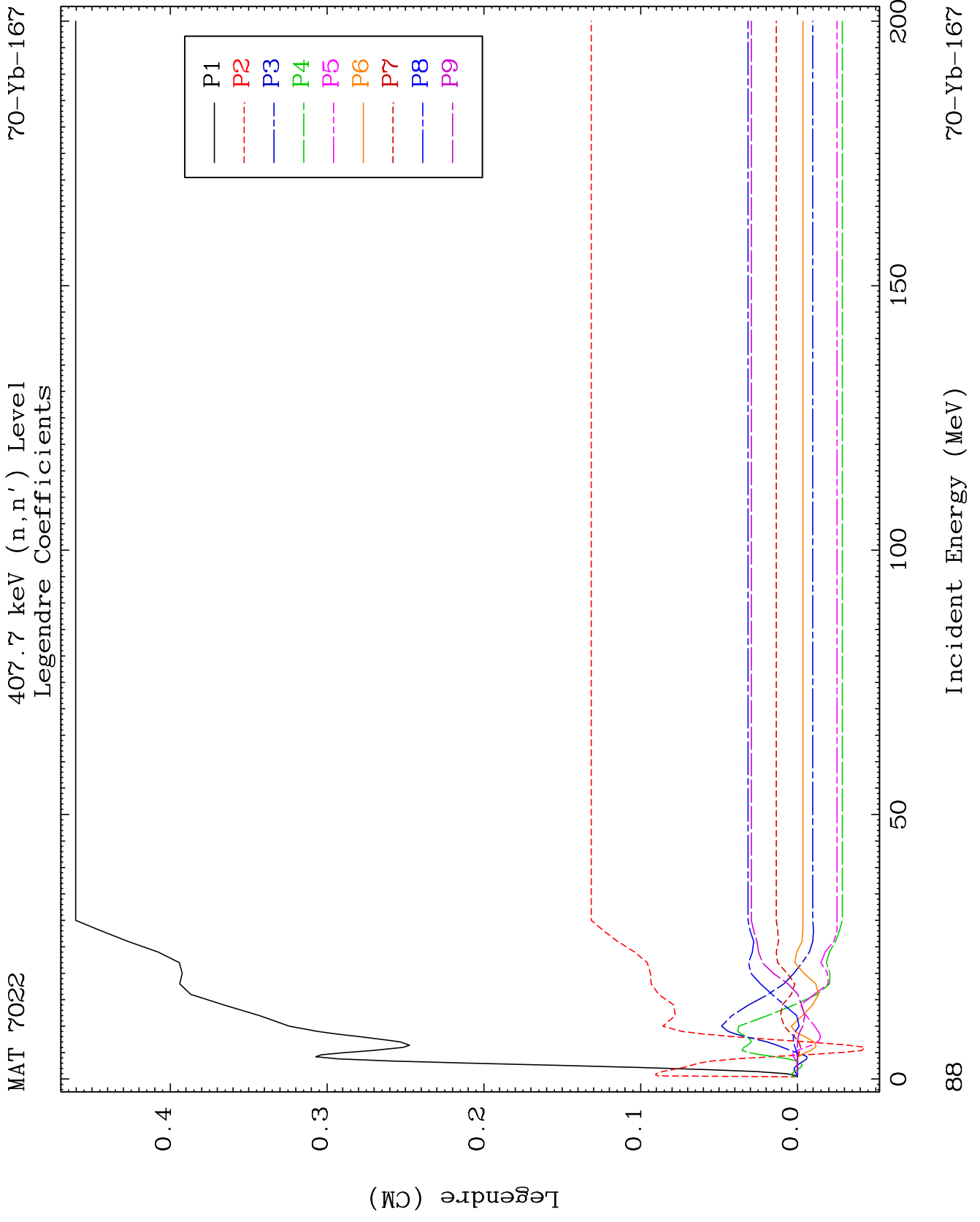
70-Yb-167

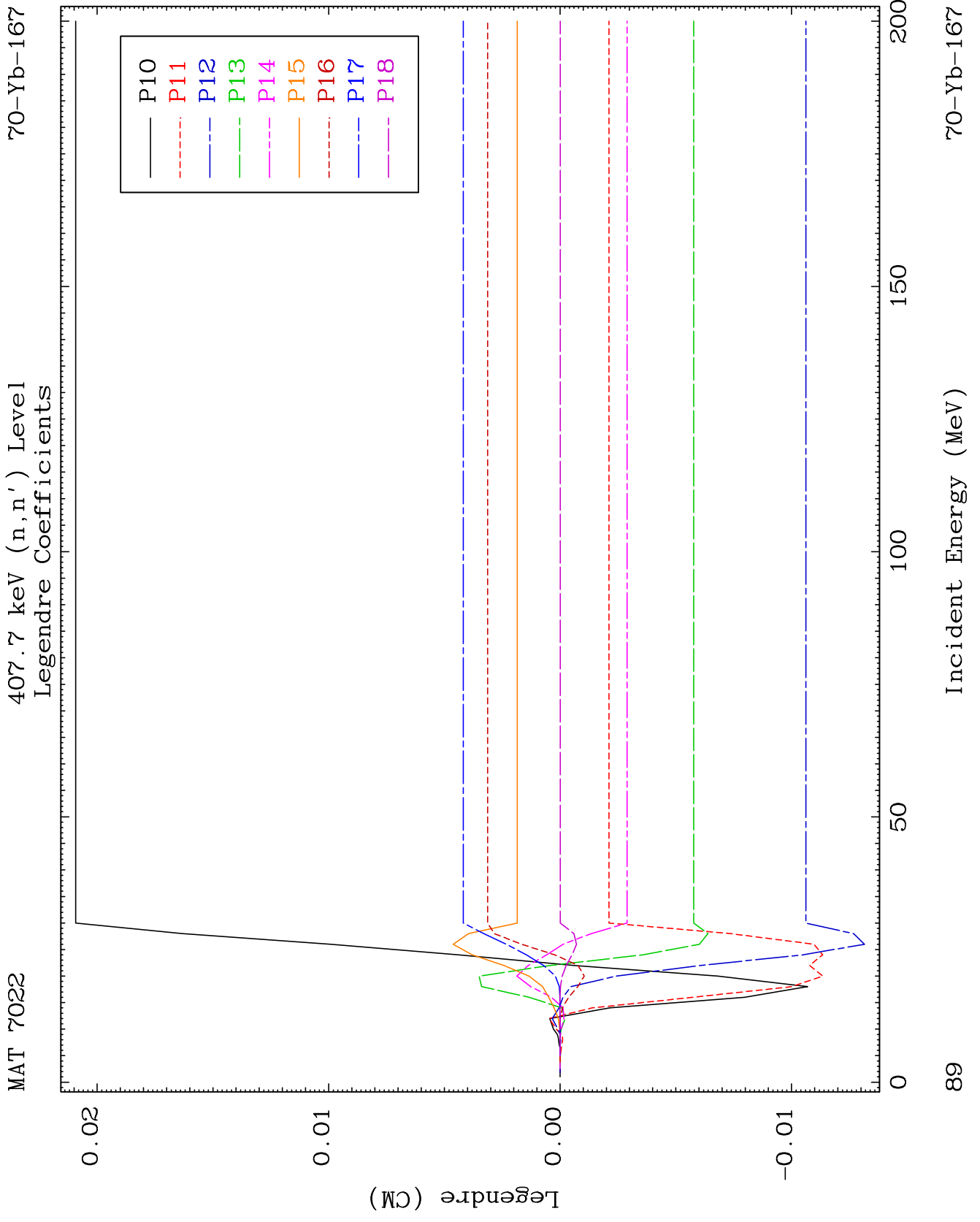
Incident Energy (MeV)

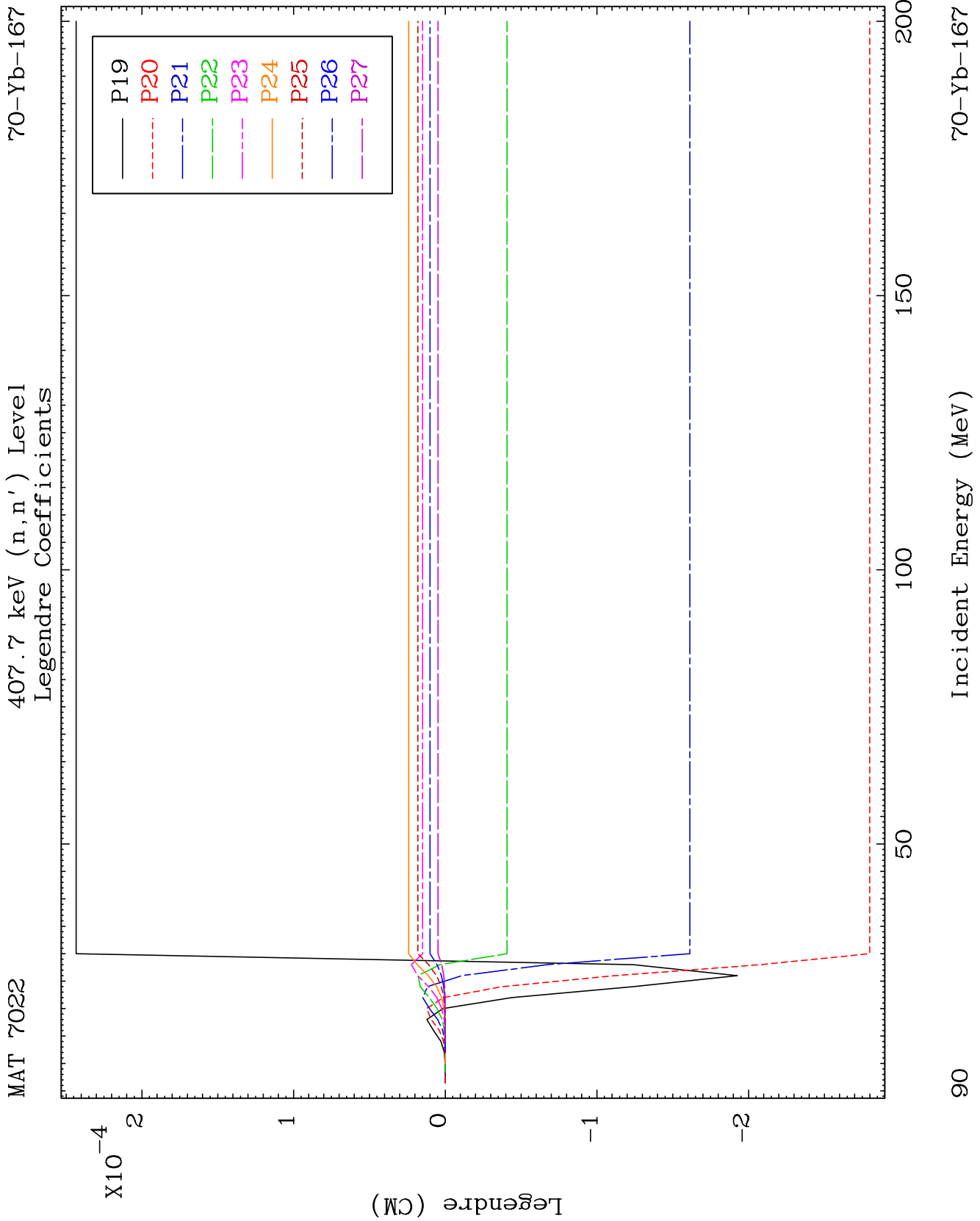
85

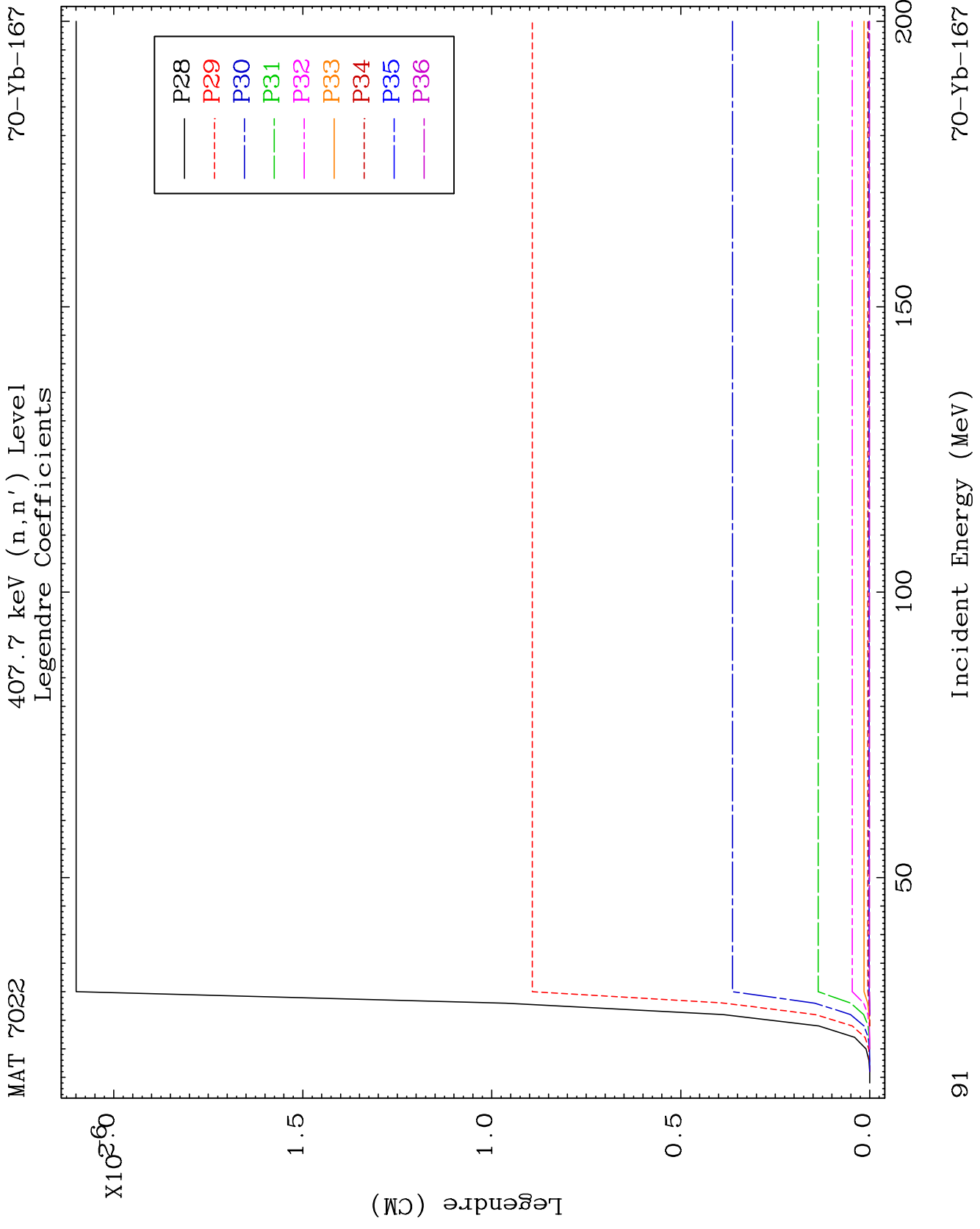


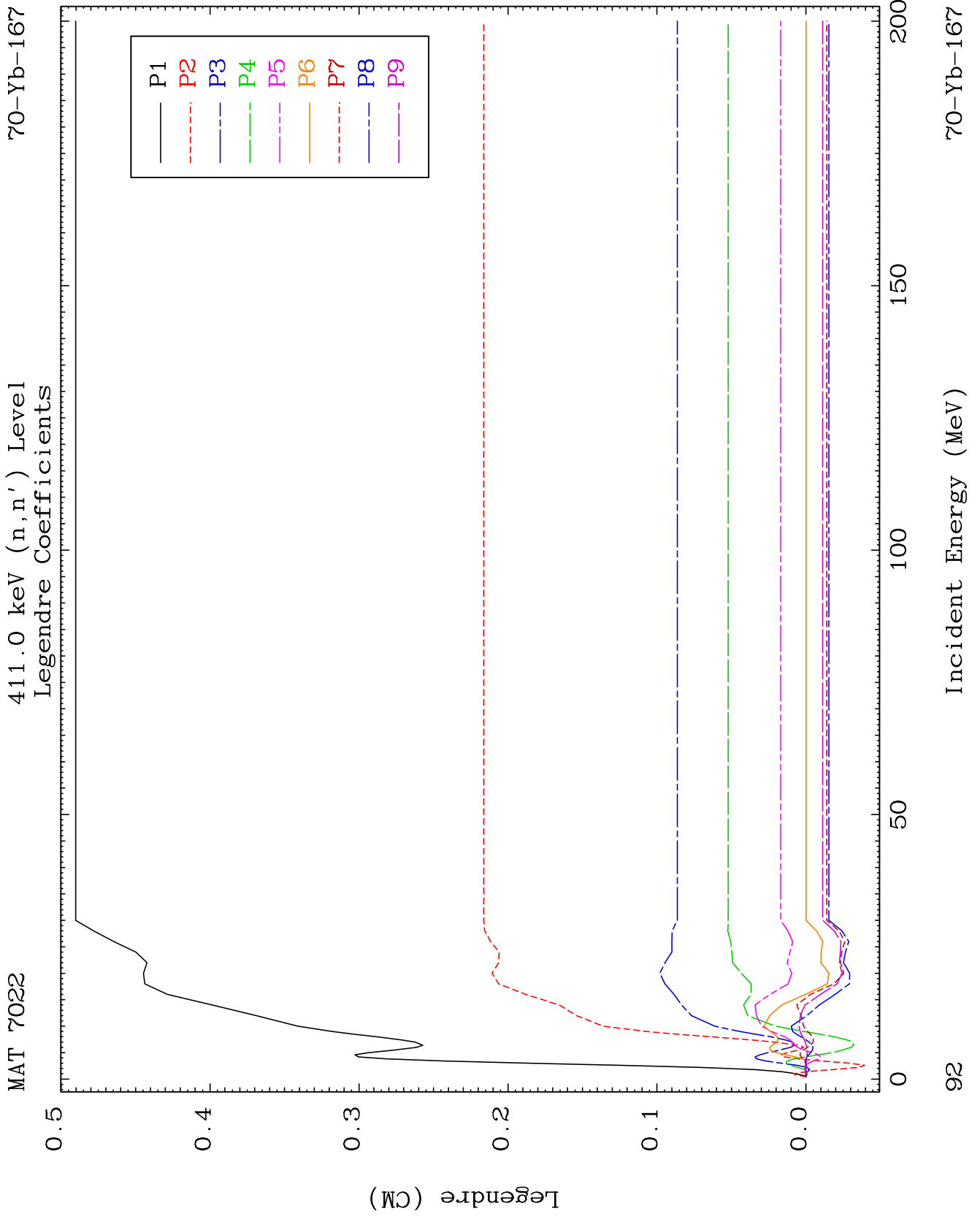


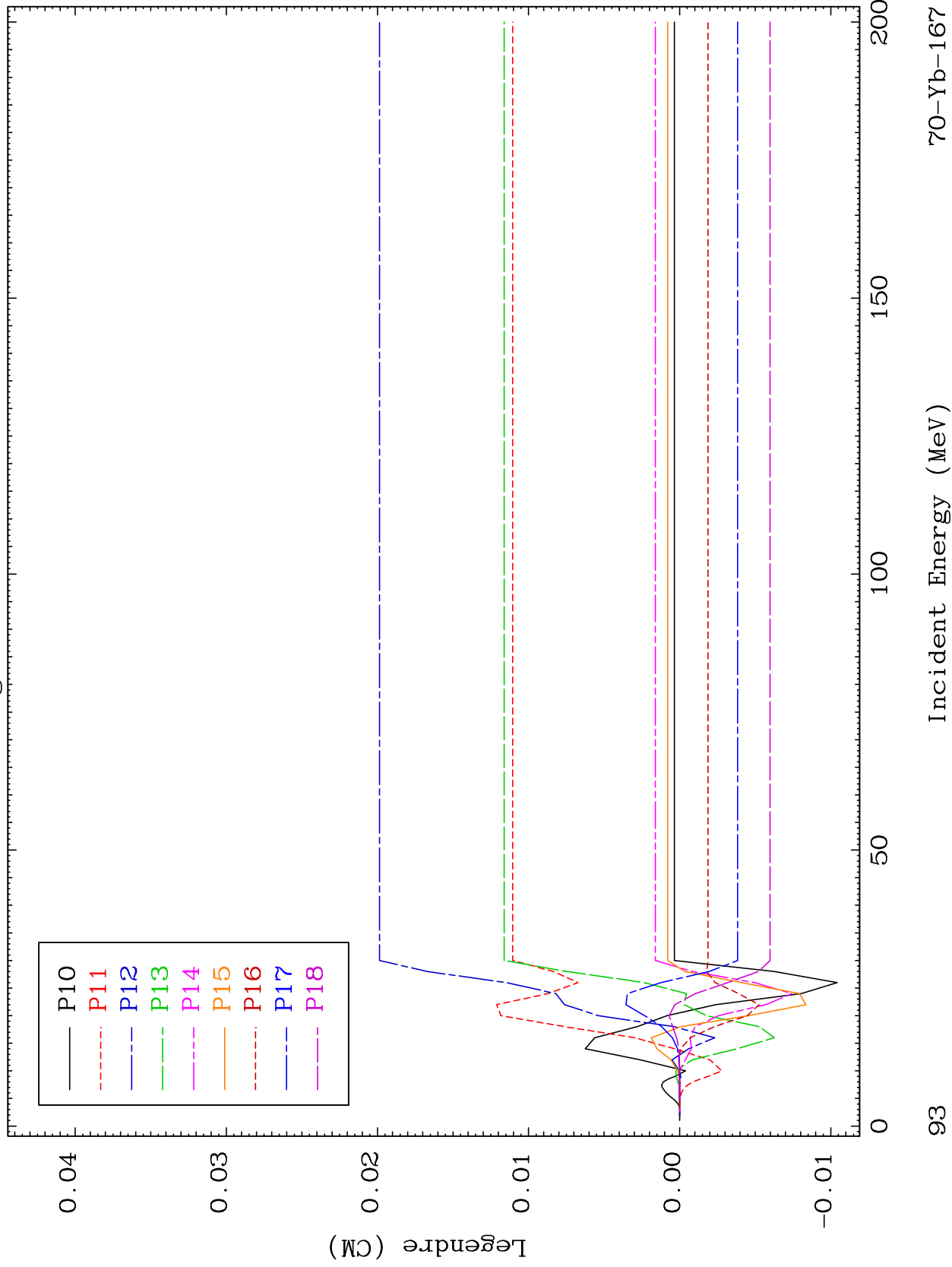


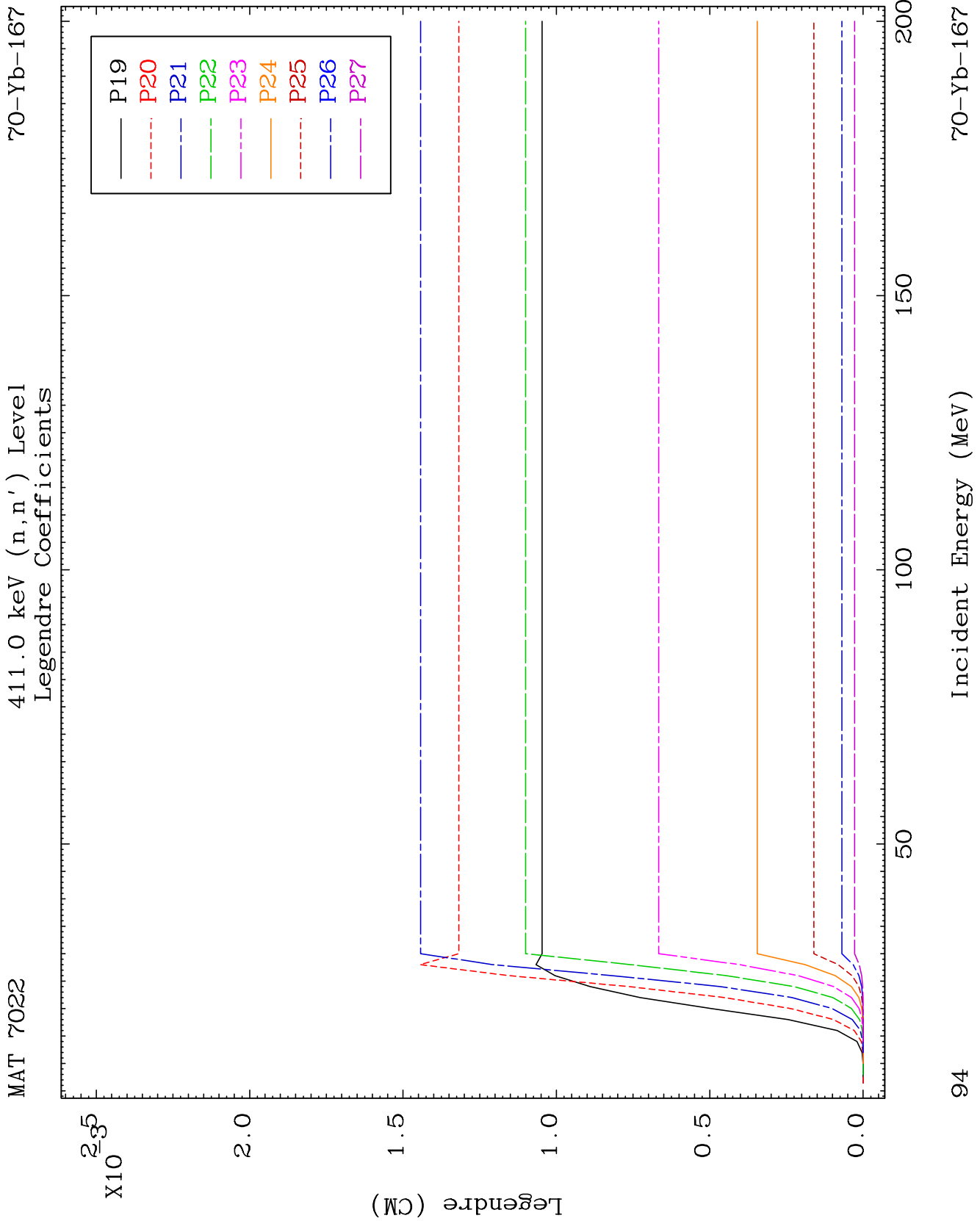


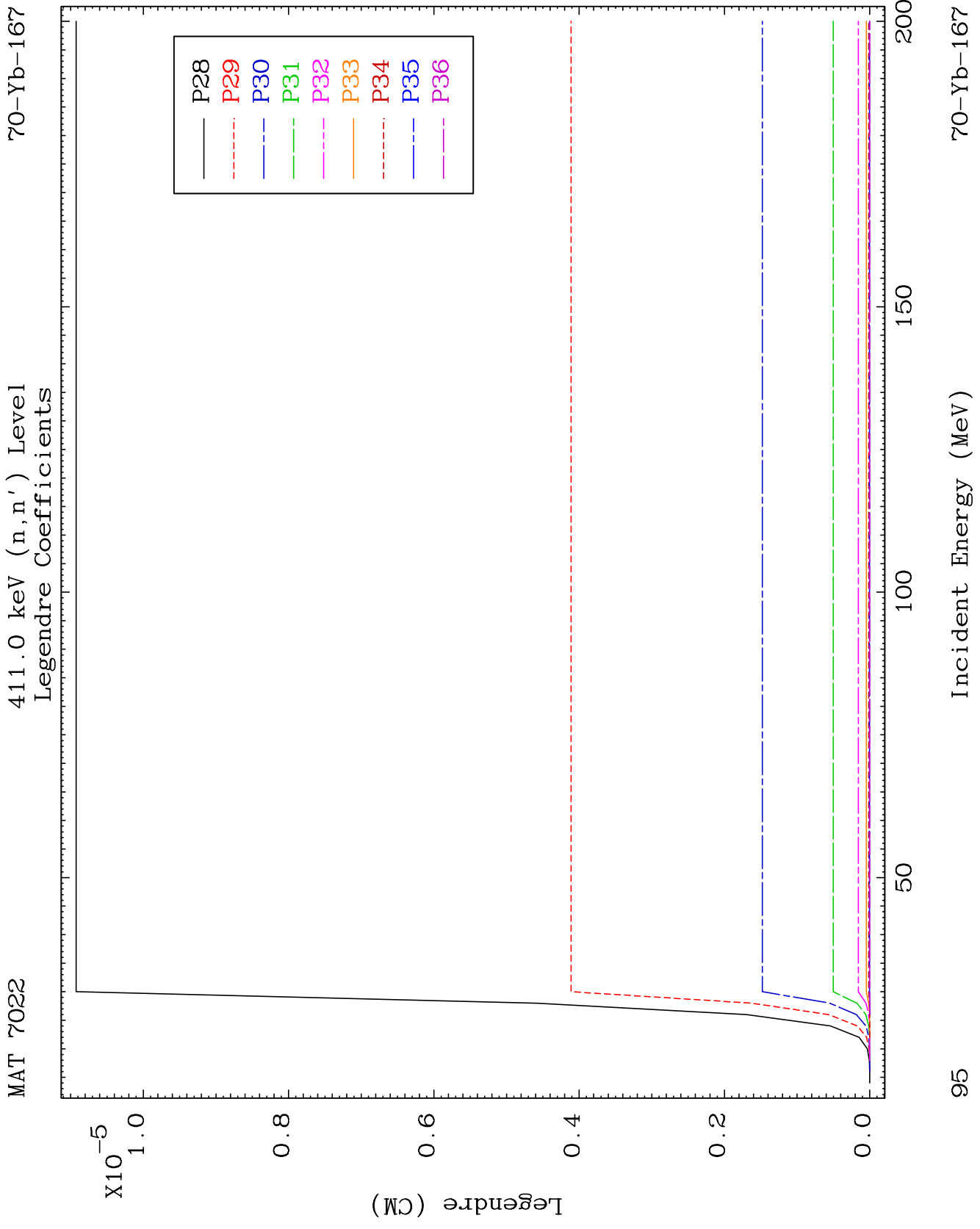


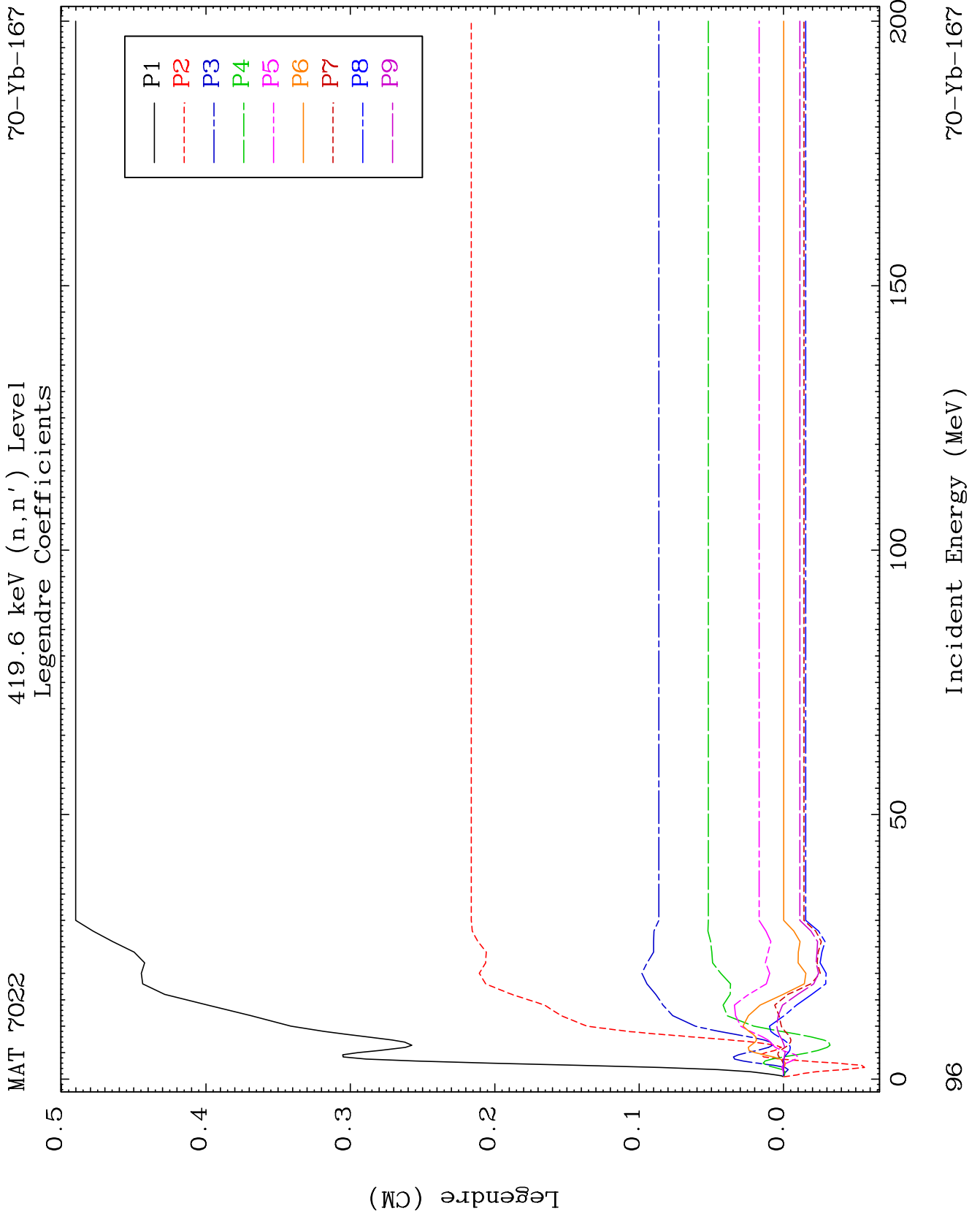








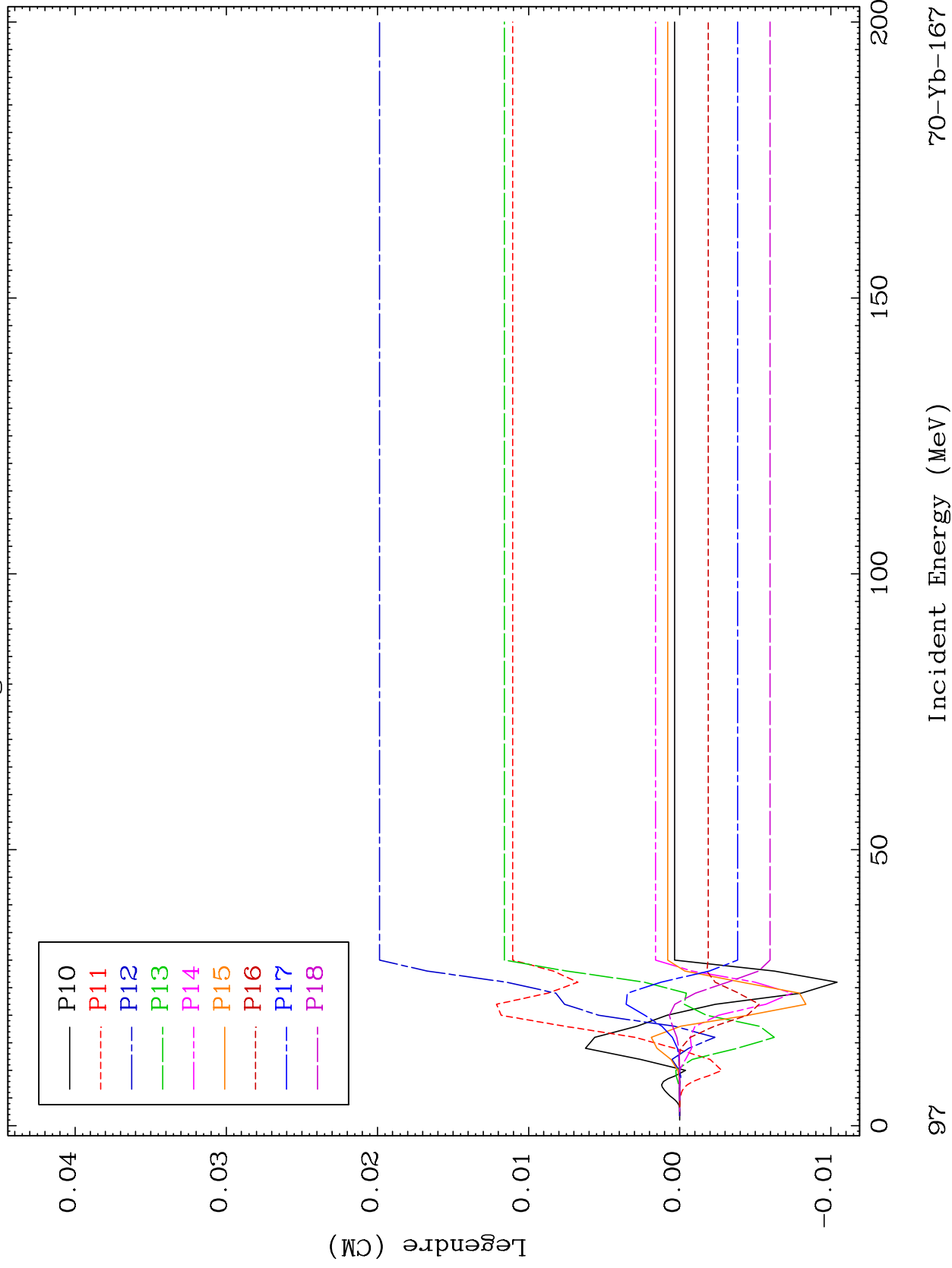




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419.6 keV (n, n') Level
Legendre Coefficients

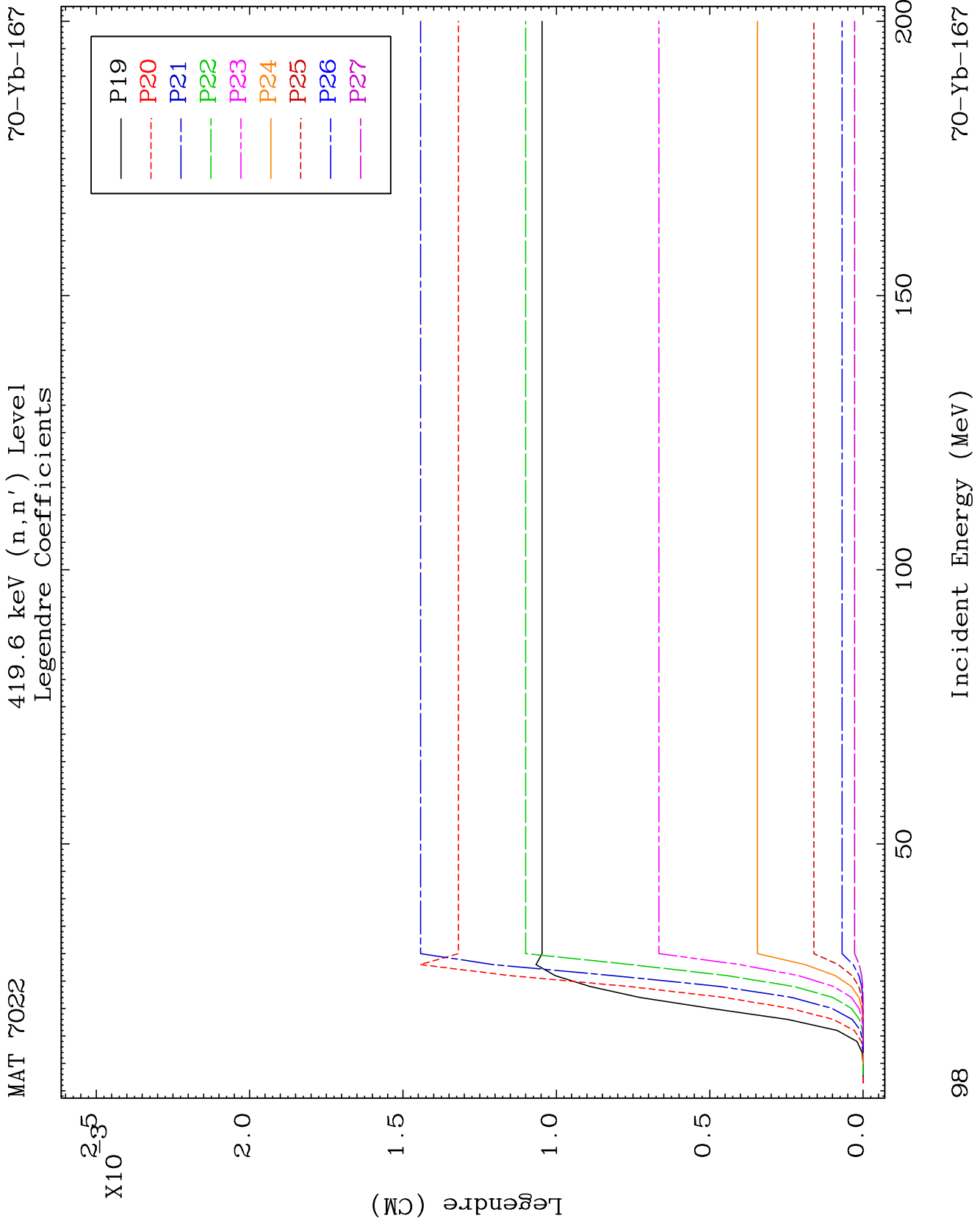
70-Yb-167

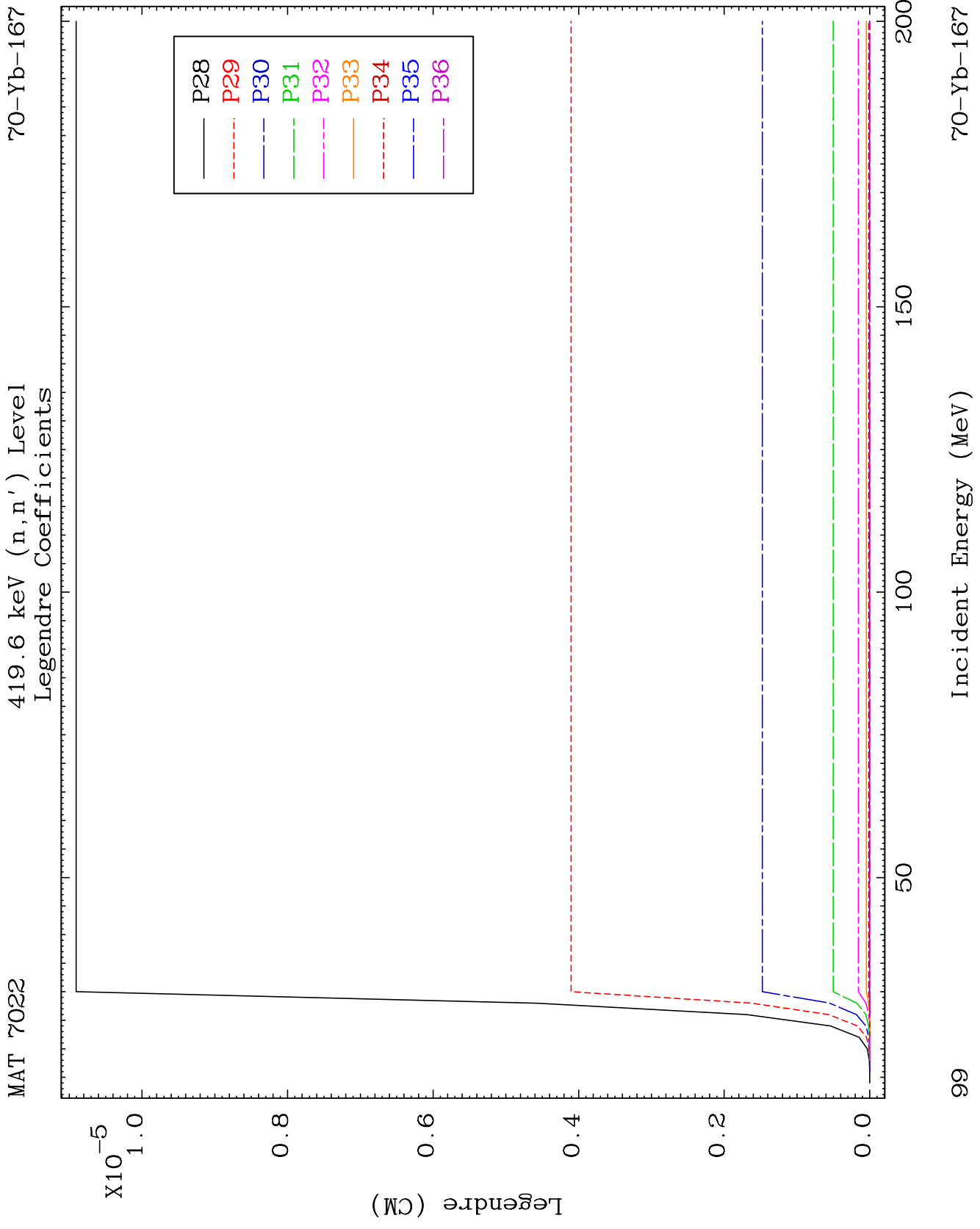


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Incident Energy (MeV)

70-Yb-167

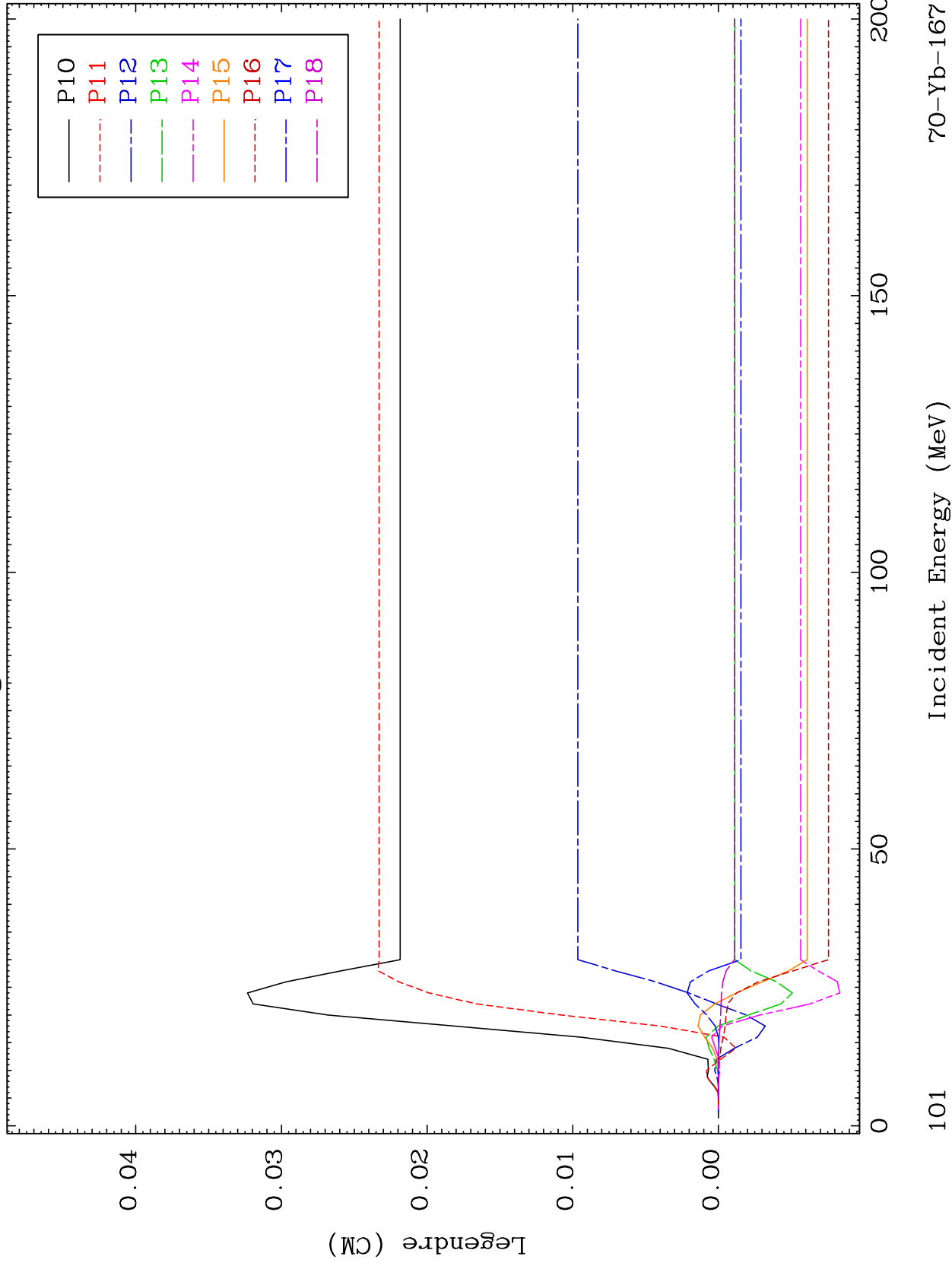


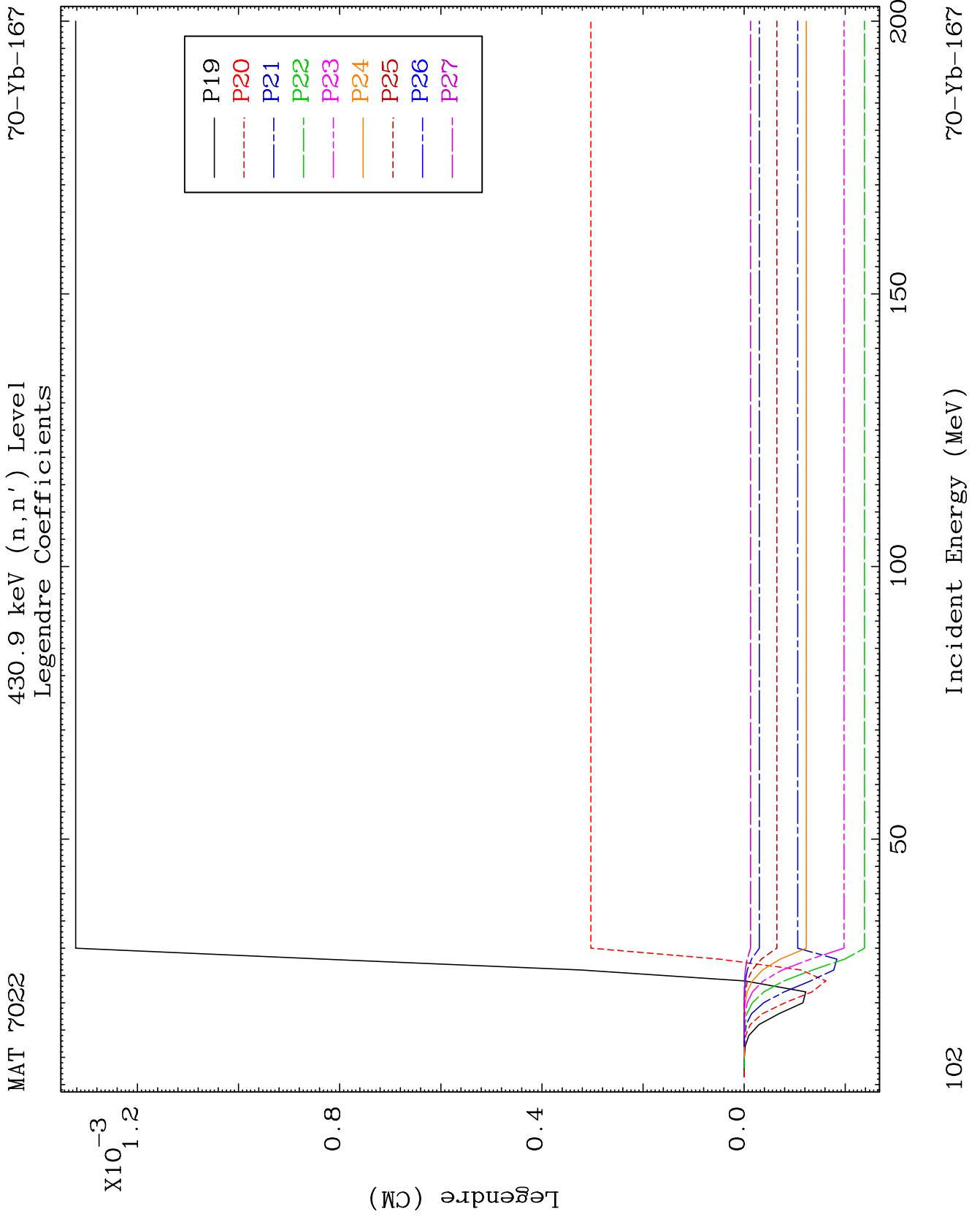


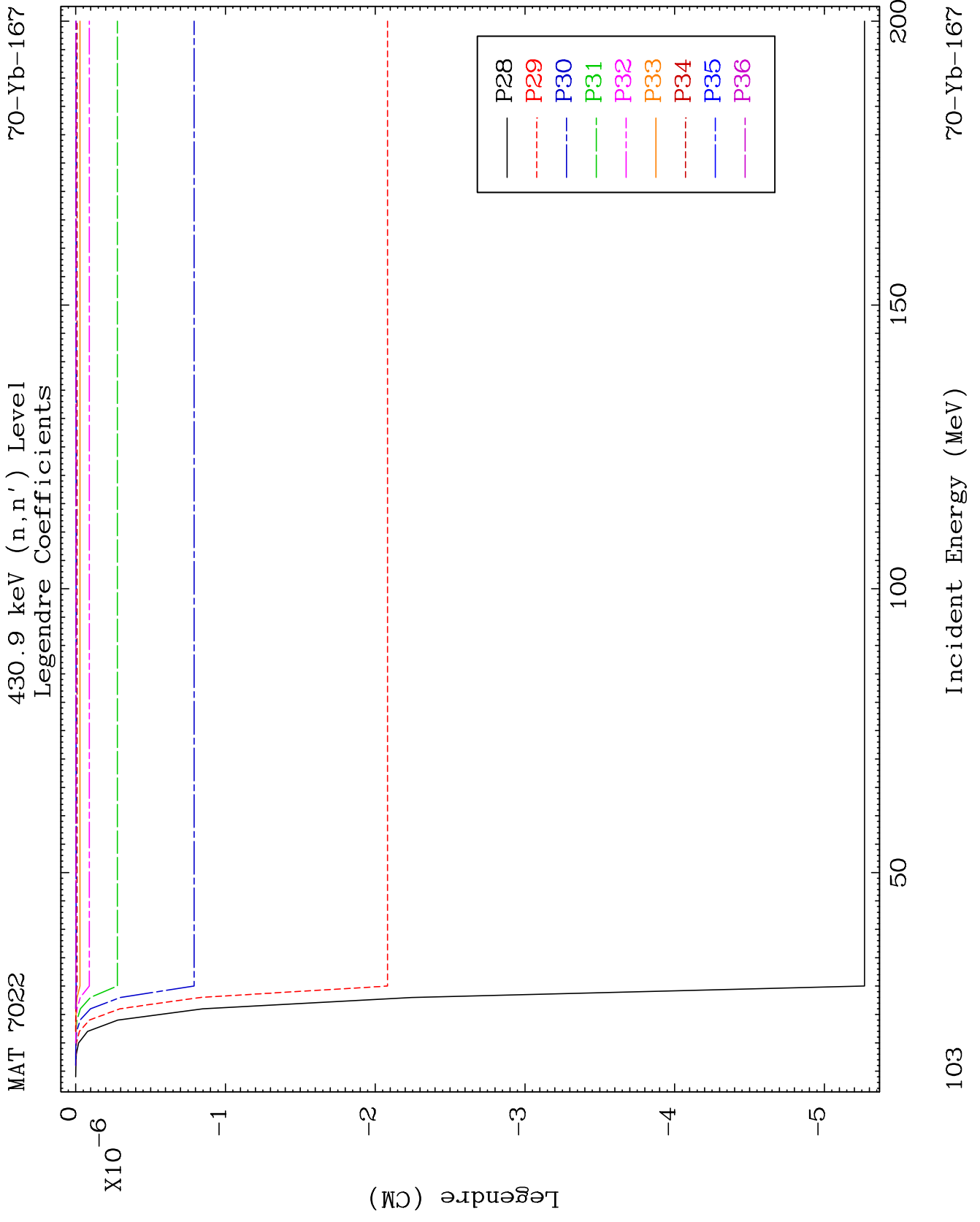
MAT 7022

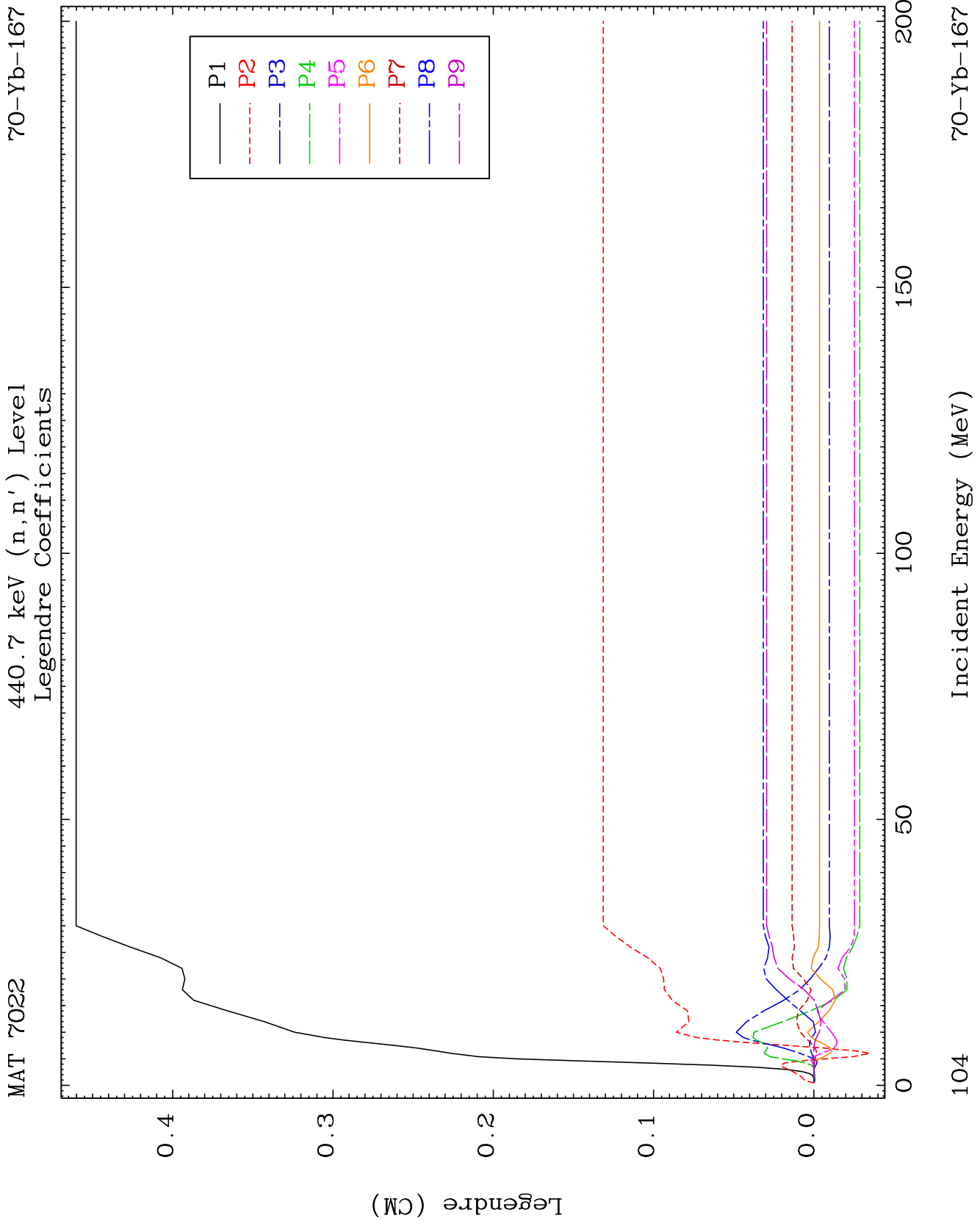
430.9 keV (n,n') Level
Legendre Coefficients

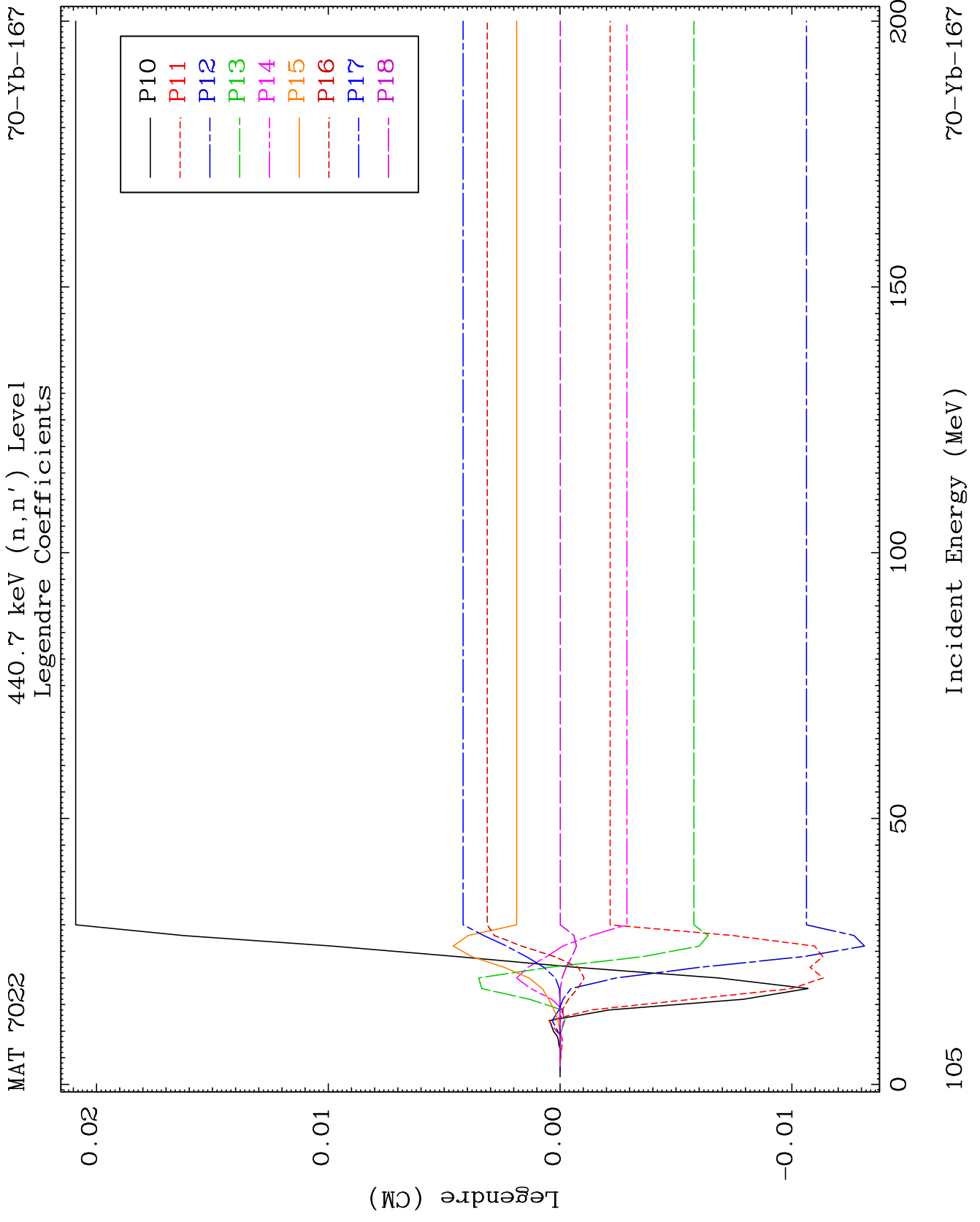
70-Yb-167

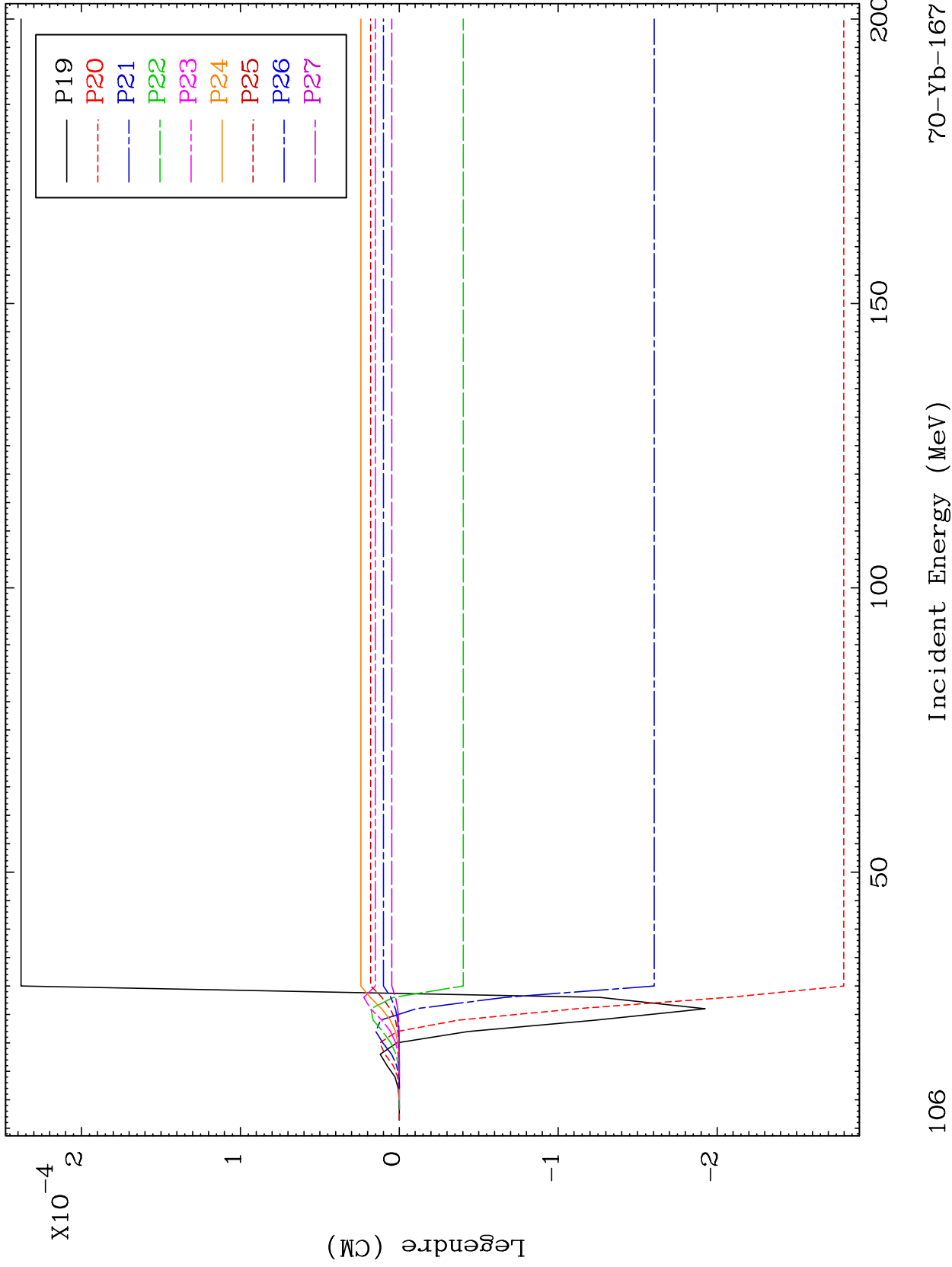


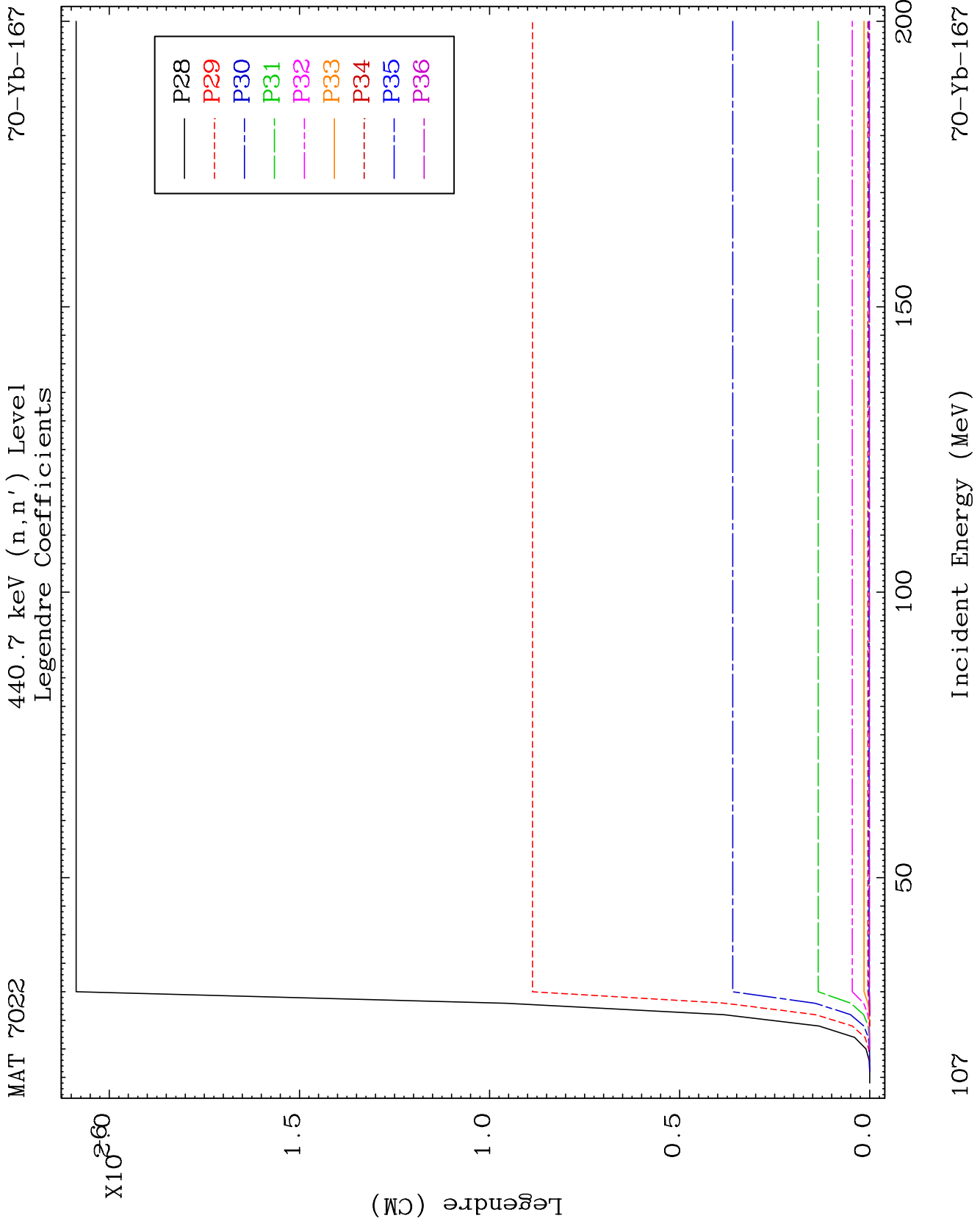


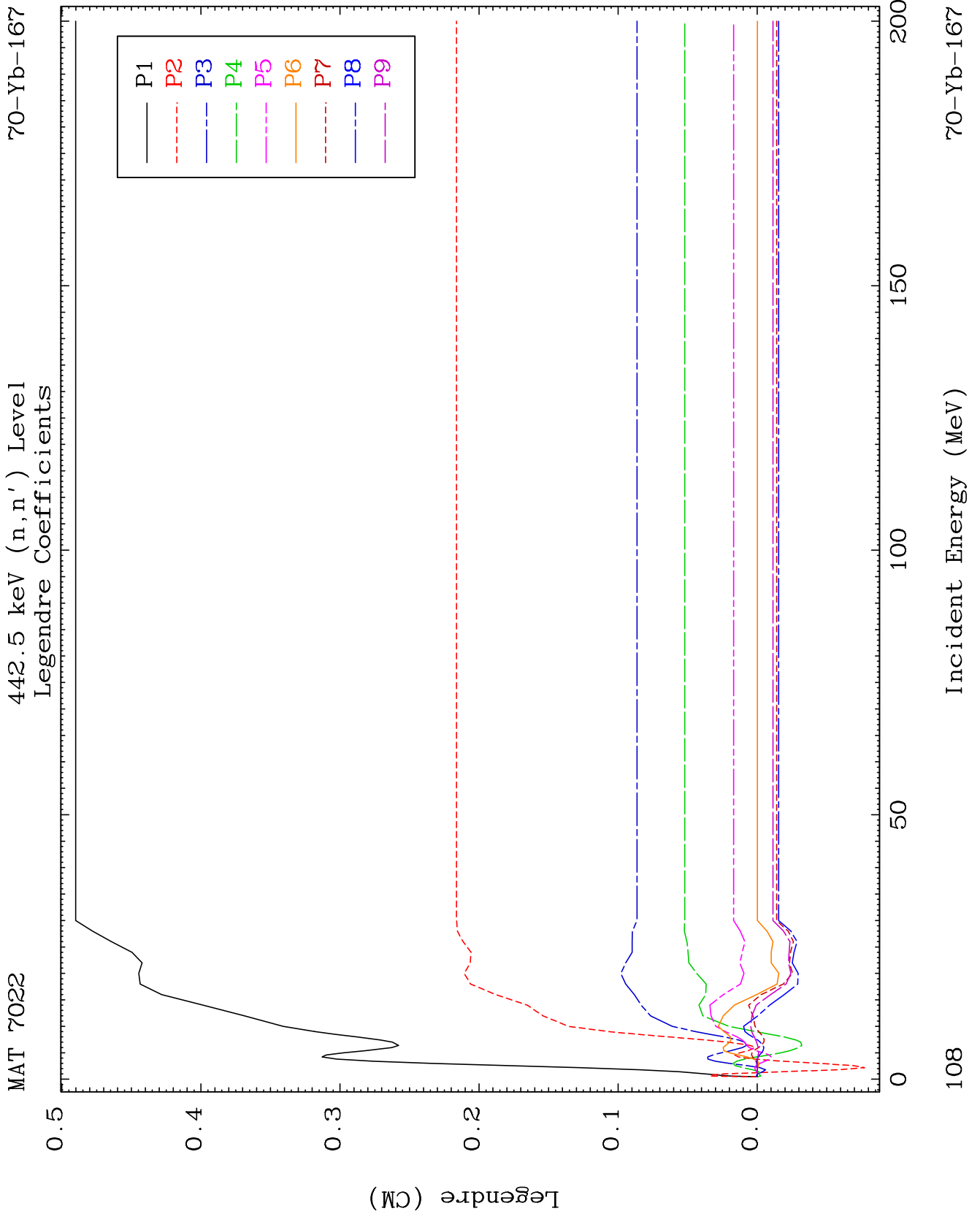








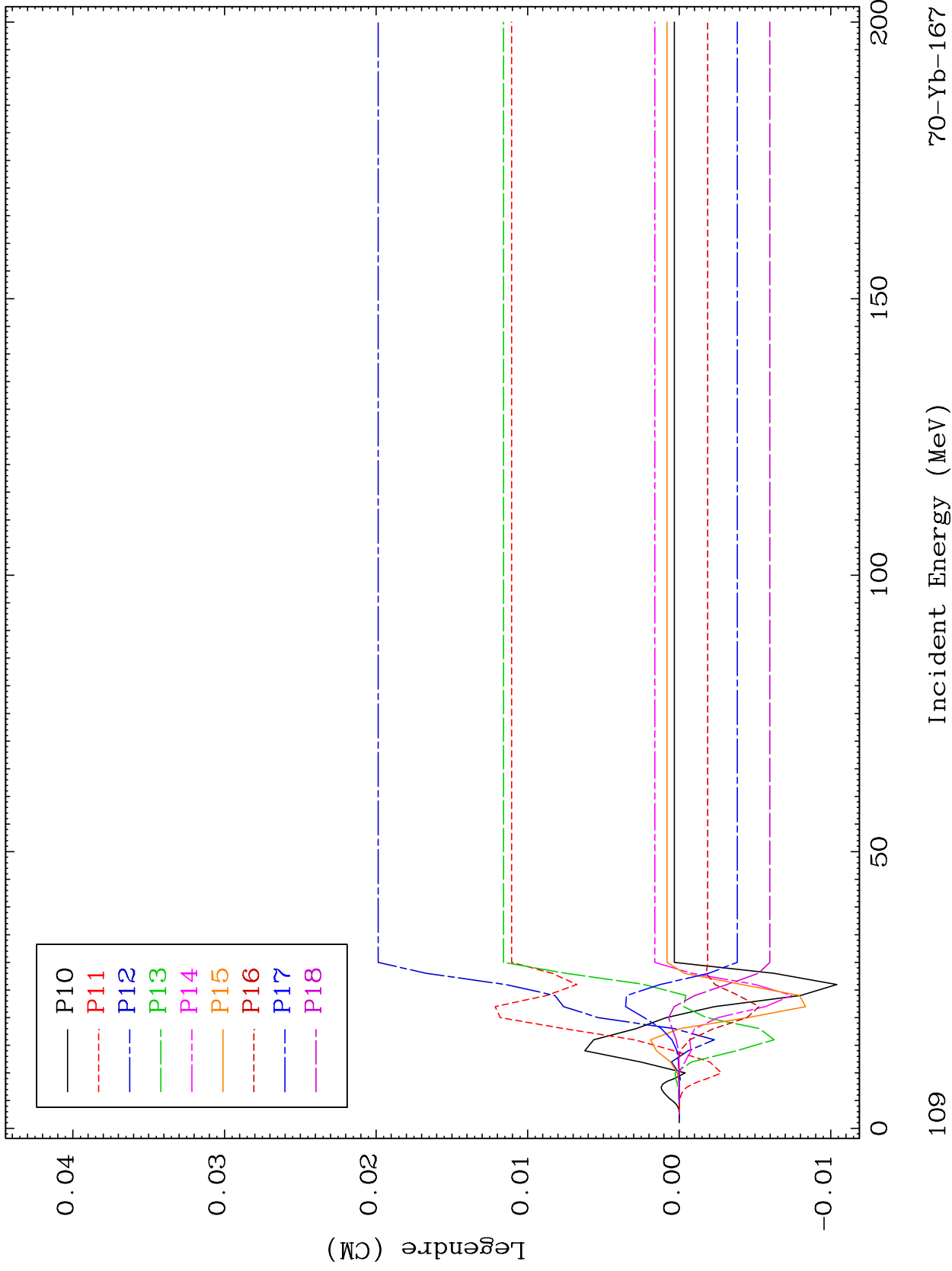




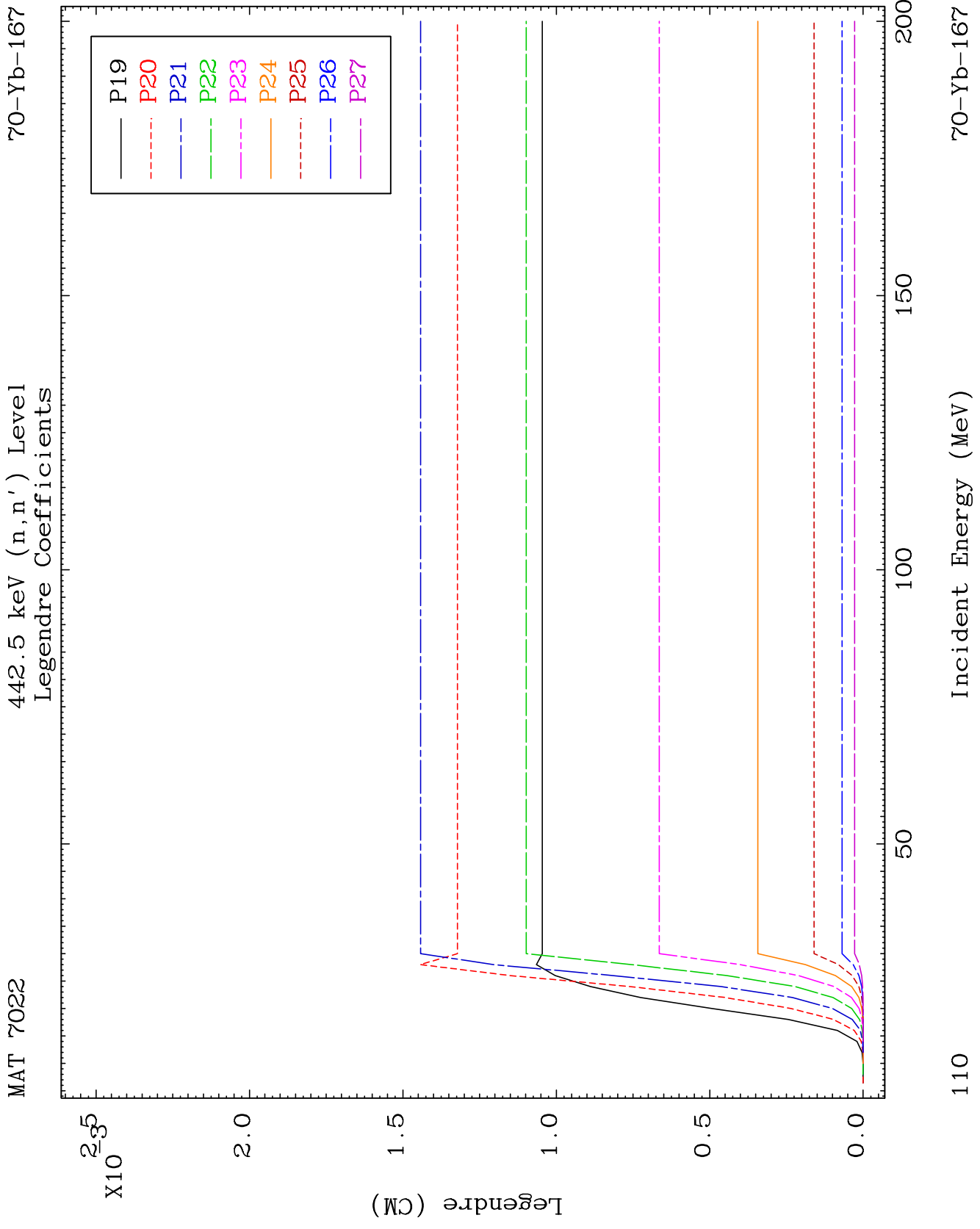
MAT 7022

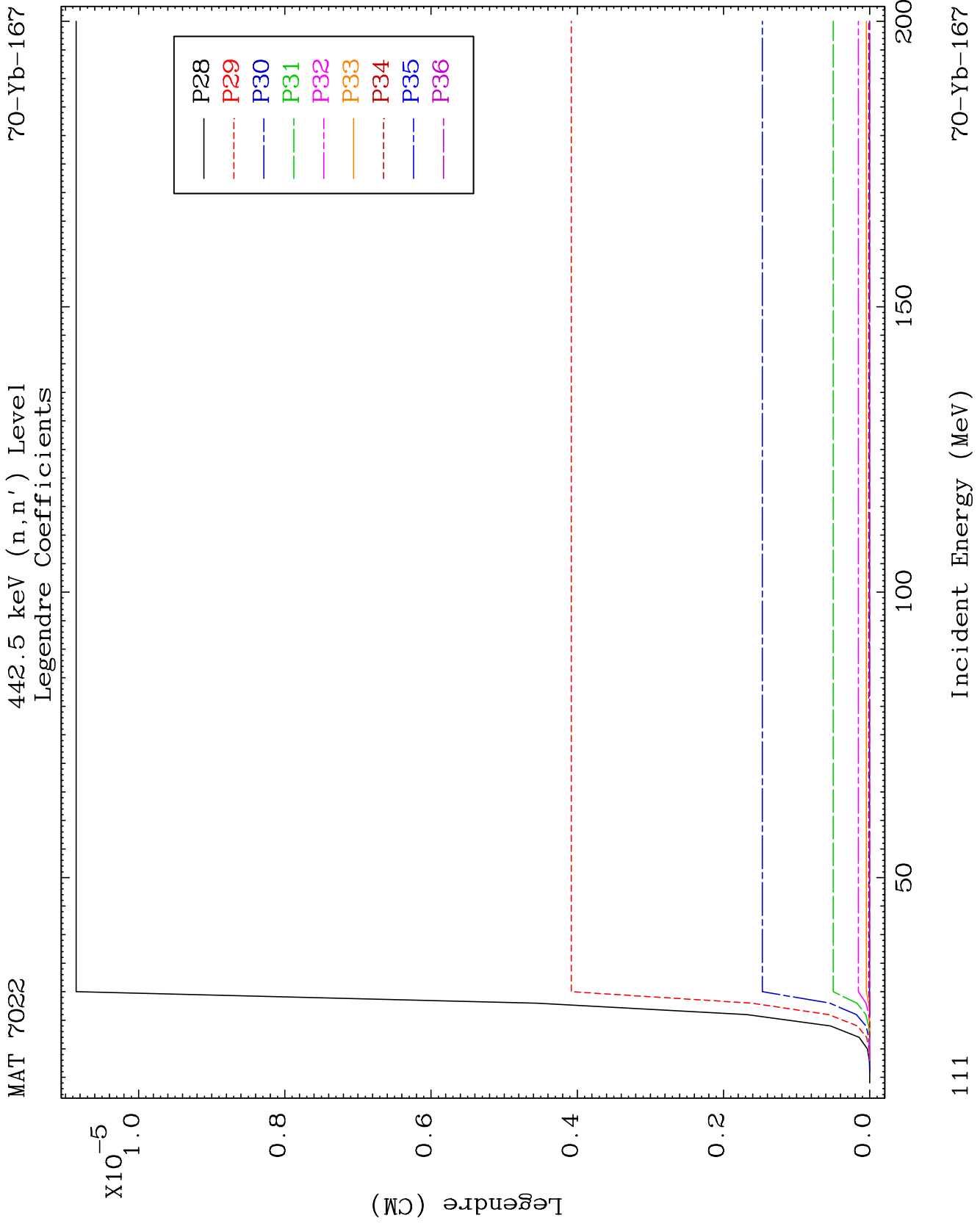
442.5 keV (n, n') Level
Legendre Coefficients

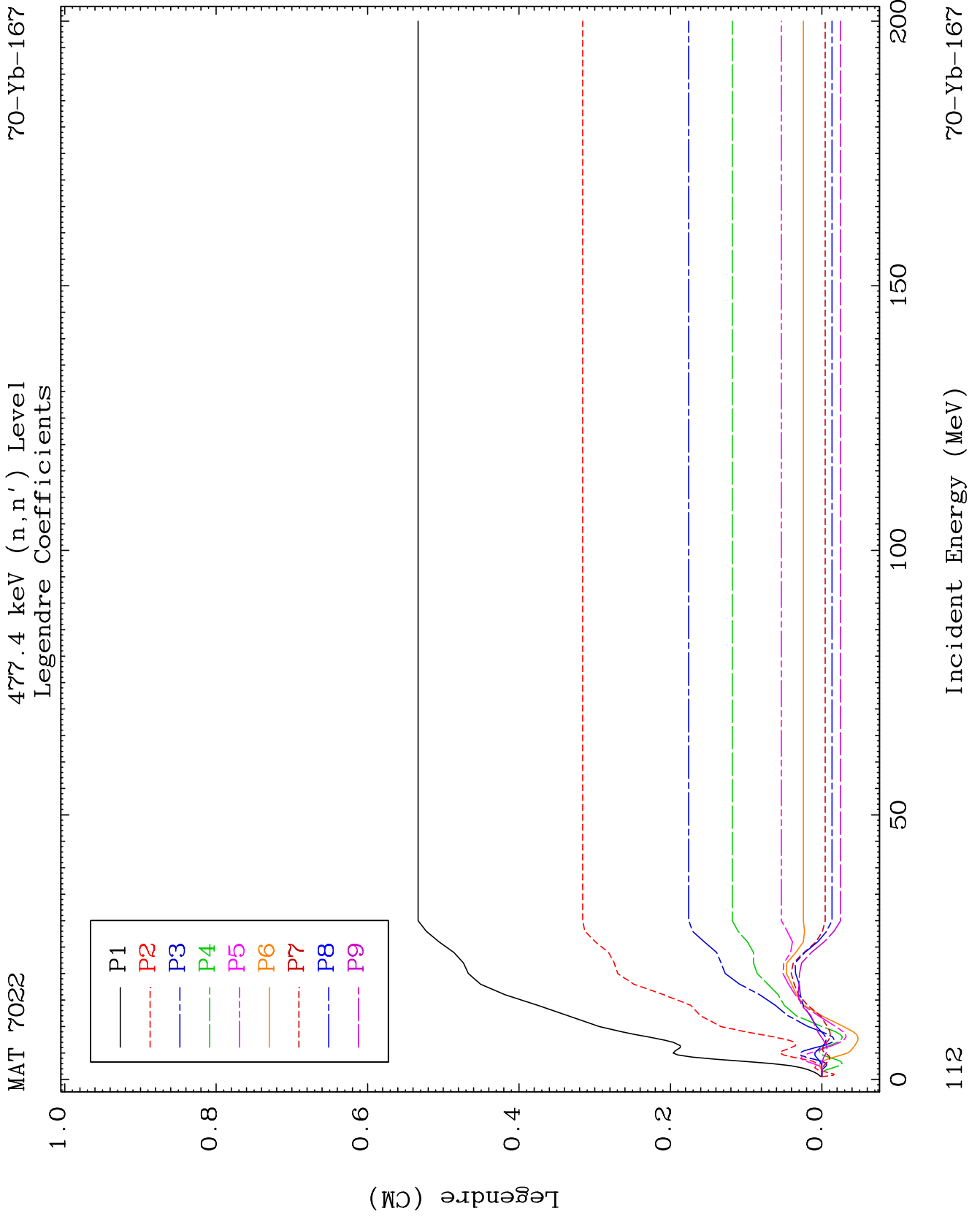
70-Yb-167



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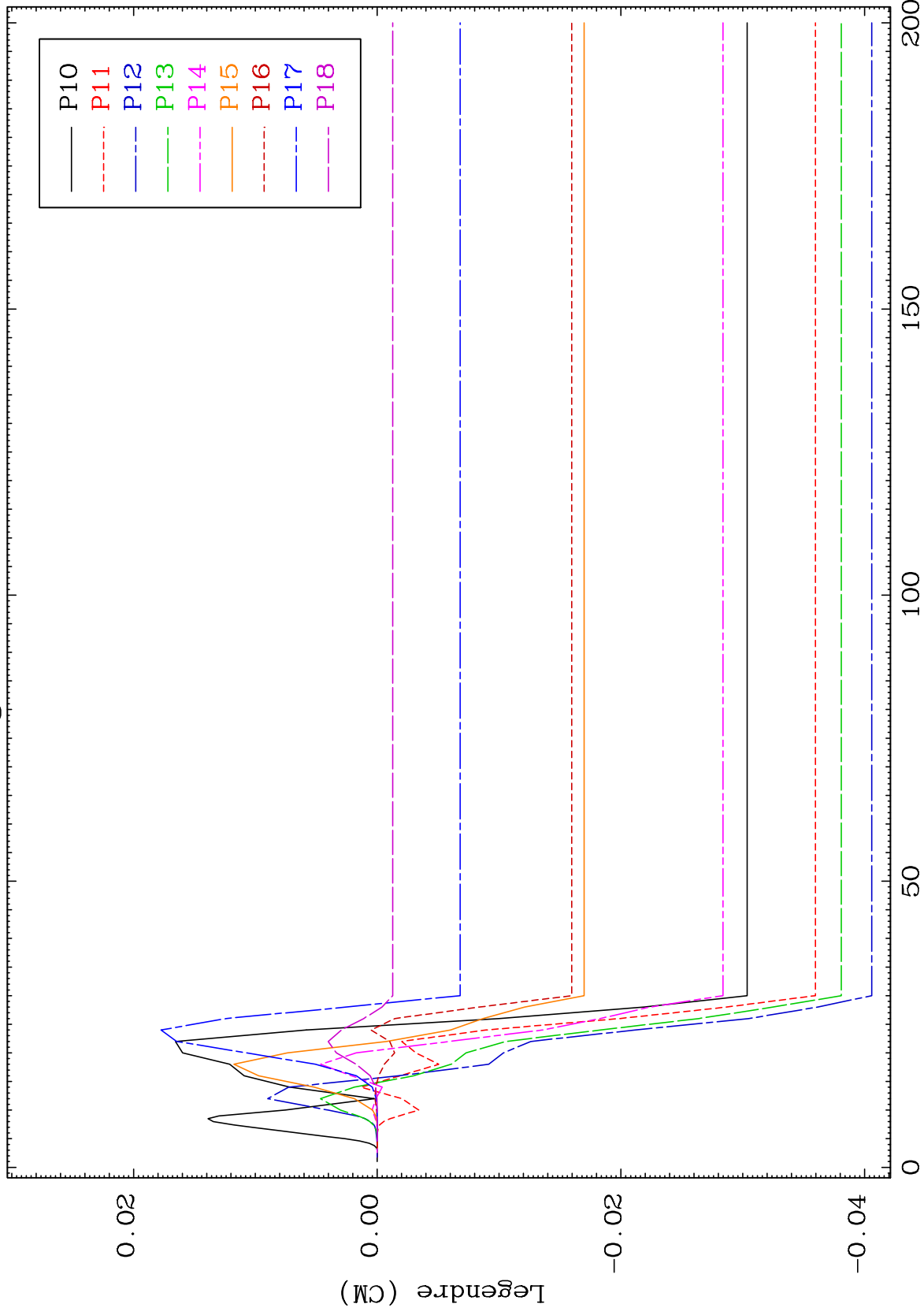




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477.4 keV (n,n') Level
Legendre Coefficients

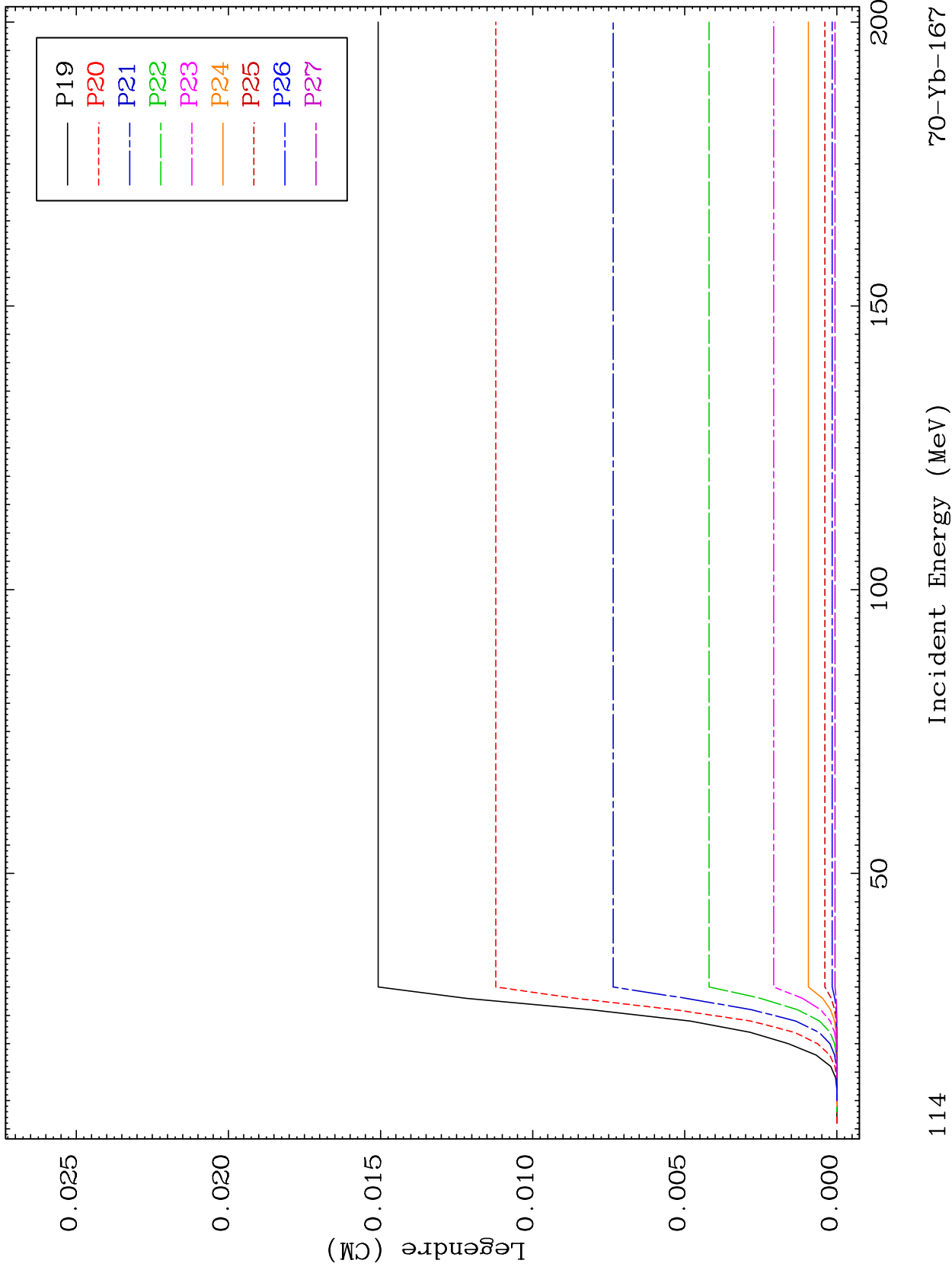
70-Yb-167

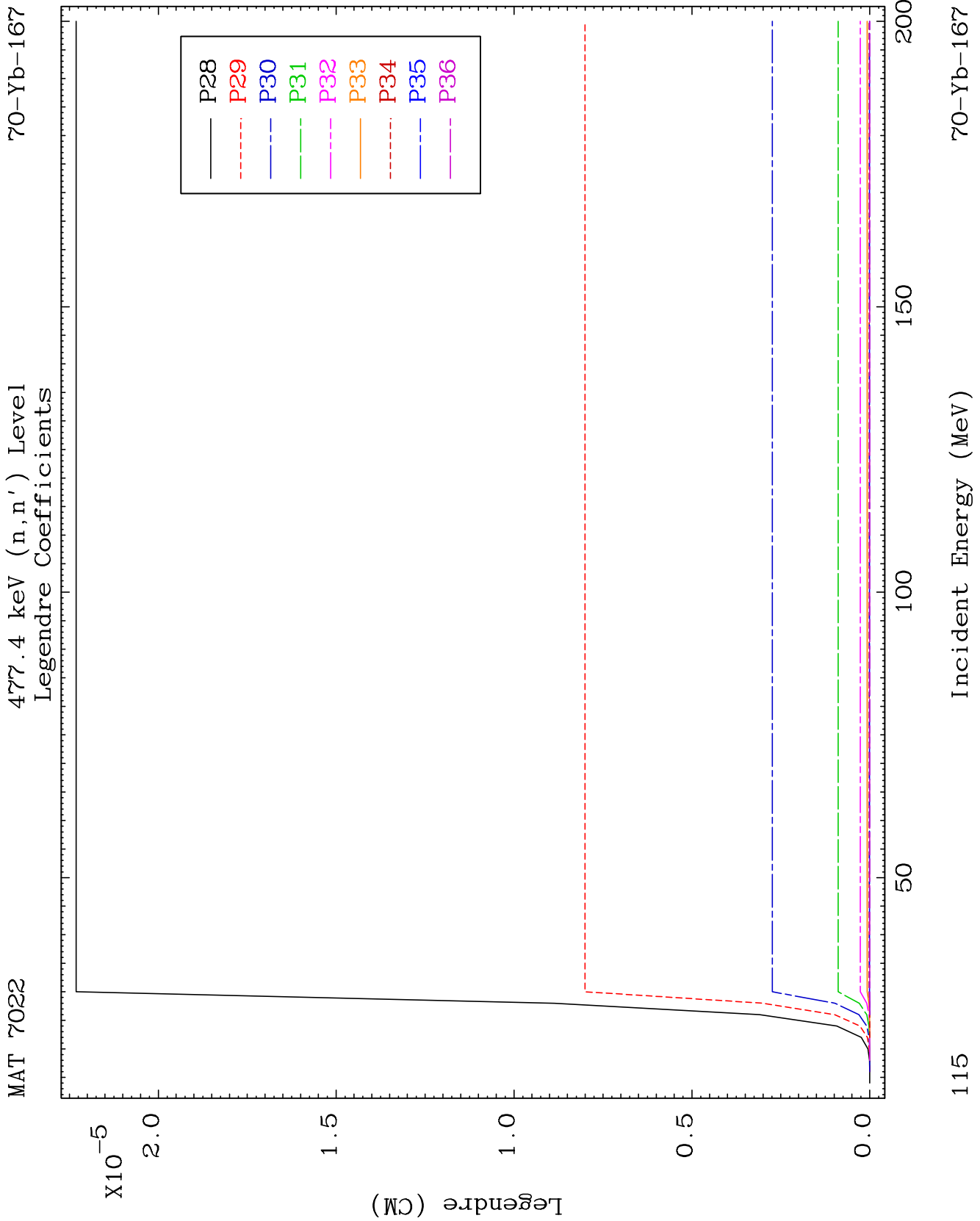


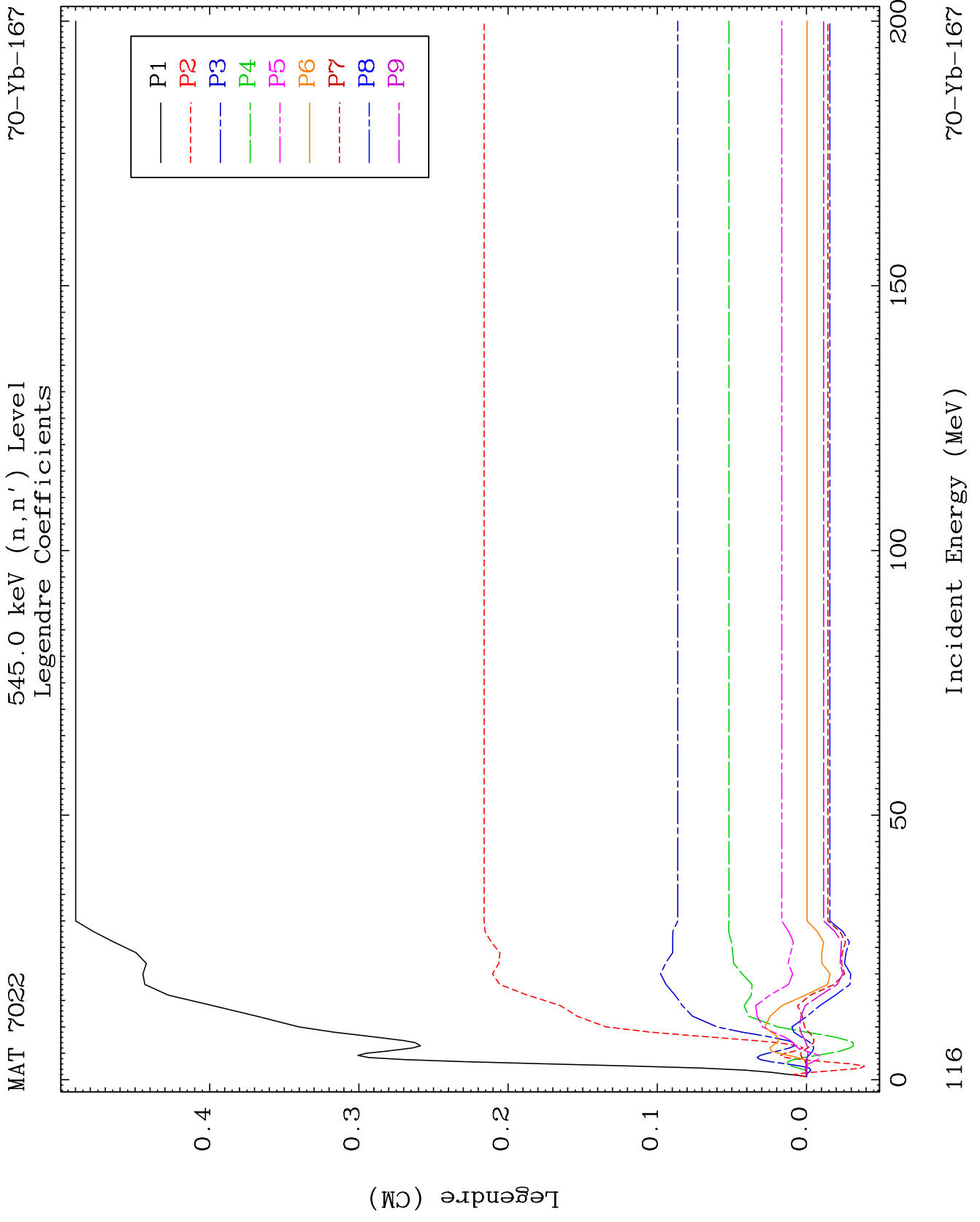
113

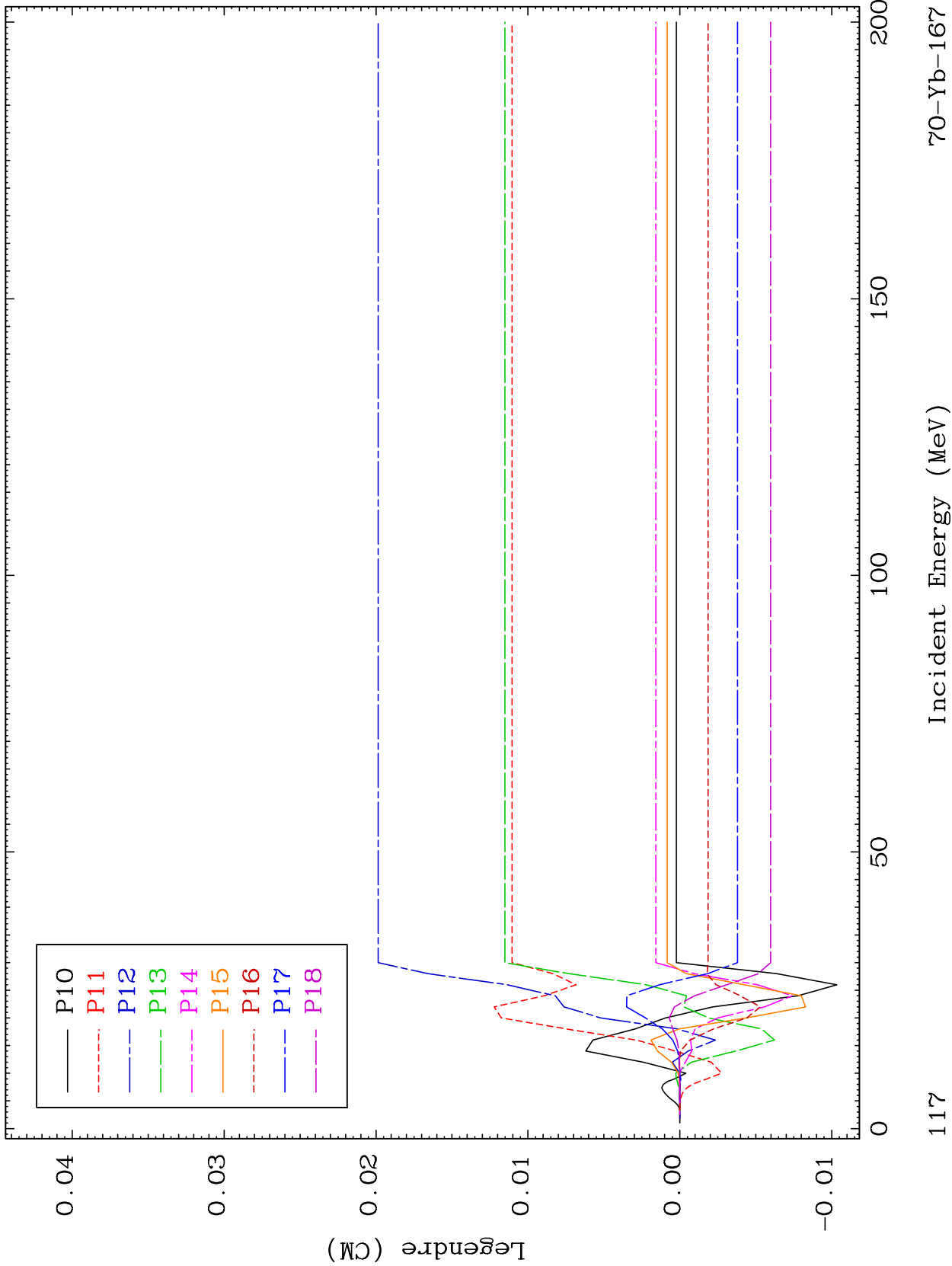
Incident Energy (MeV)

70-Yb-167





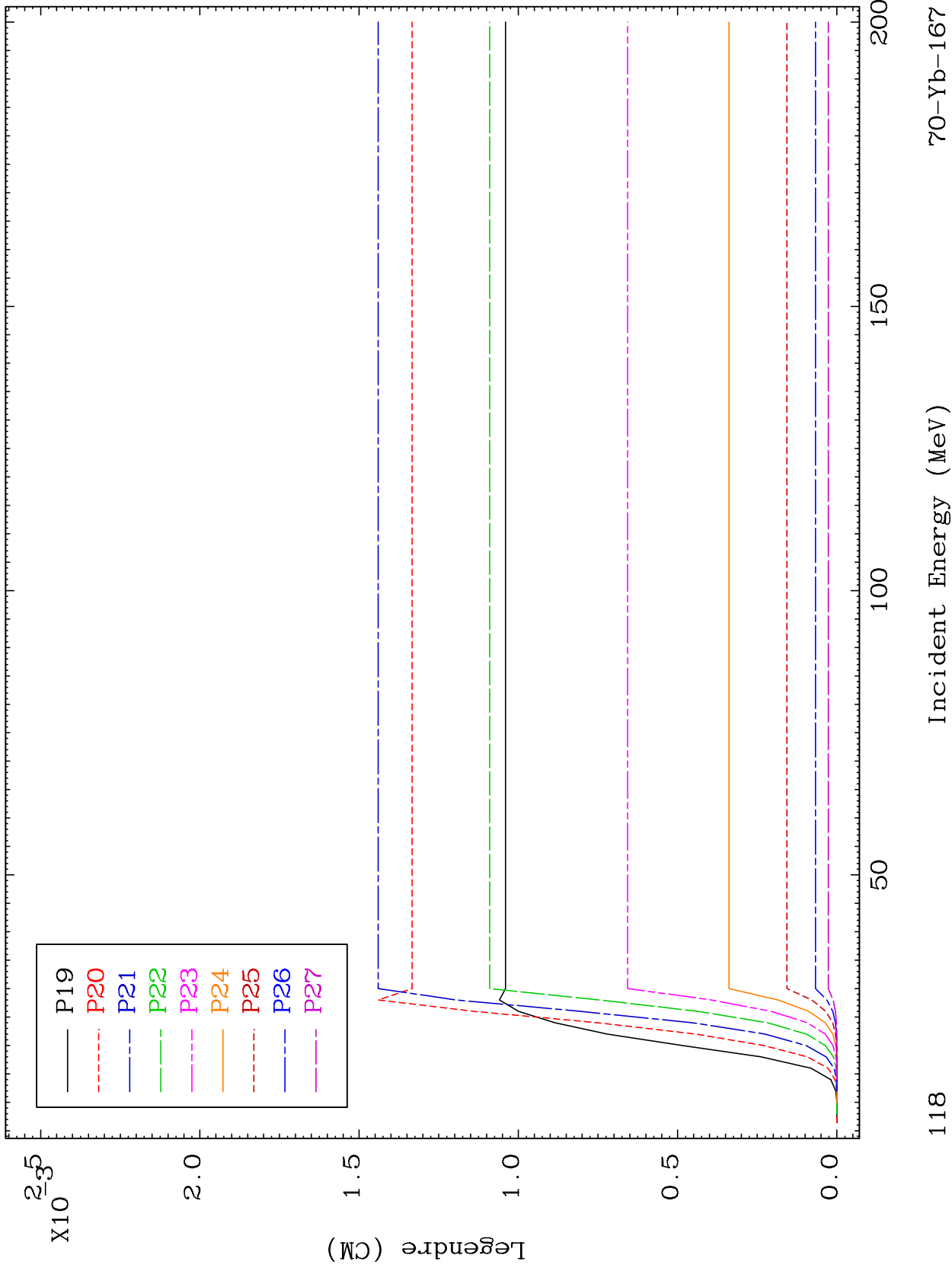




MAT 7022

545.0 keV (n, n') Level
Legendre Coefficients

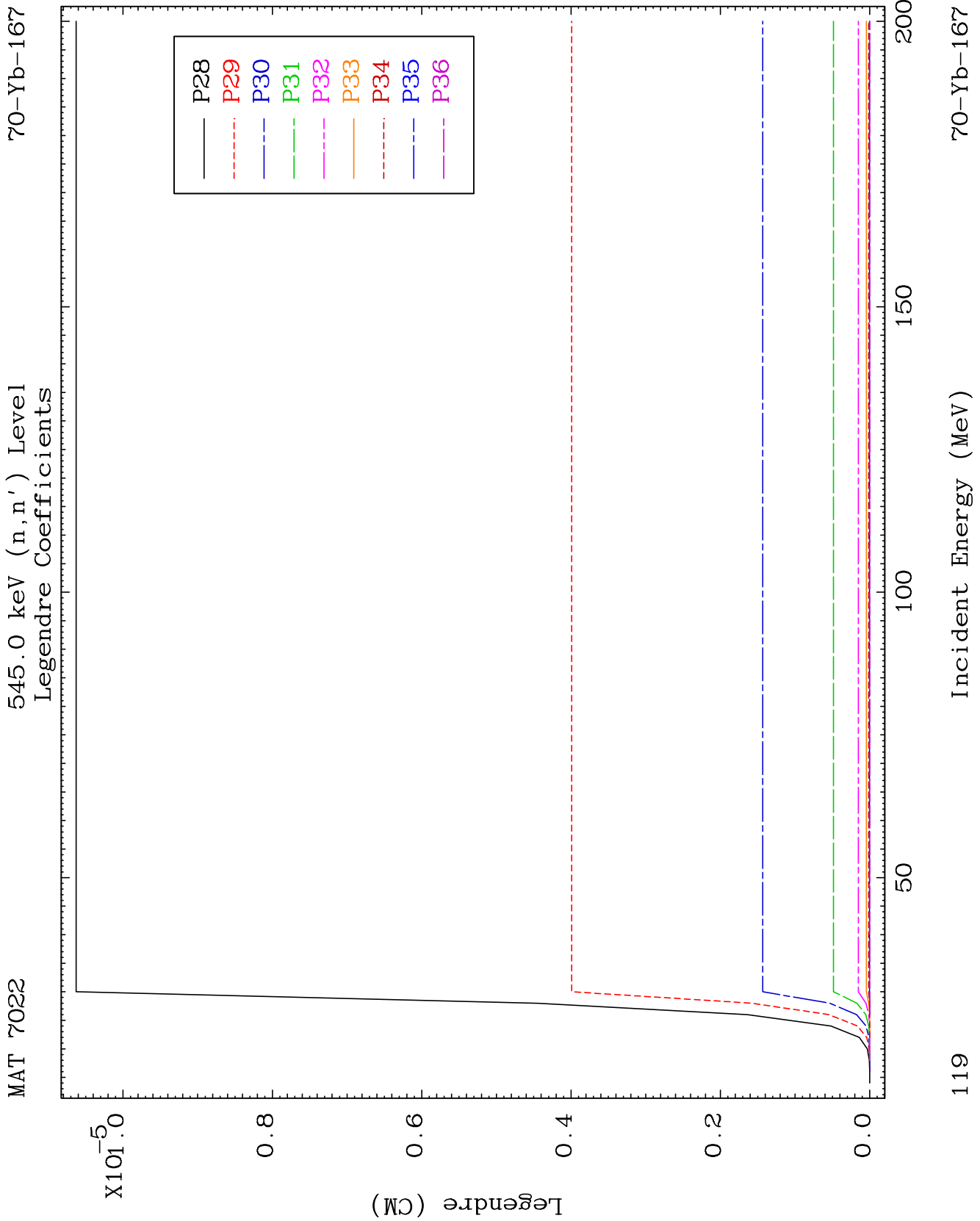
70-Yb-167



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Incident Energy (MeV)

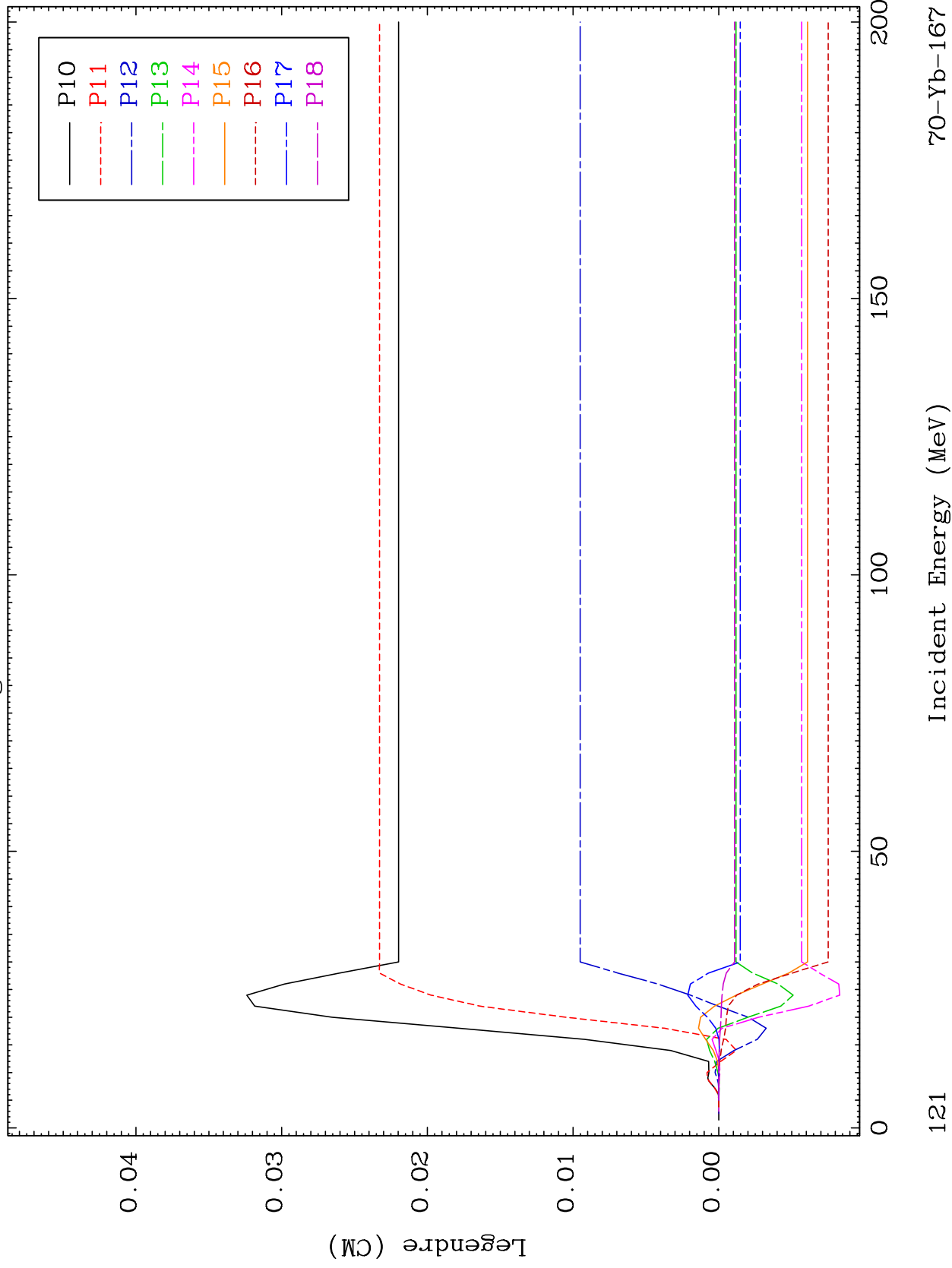
70-Yb-167



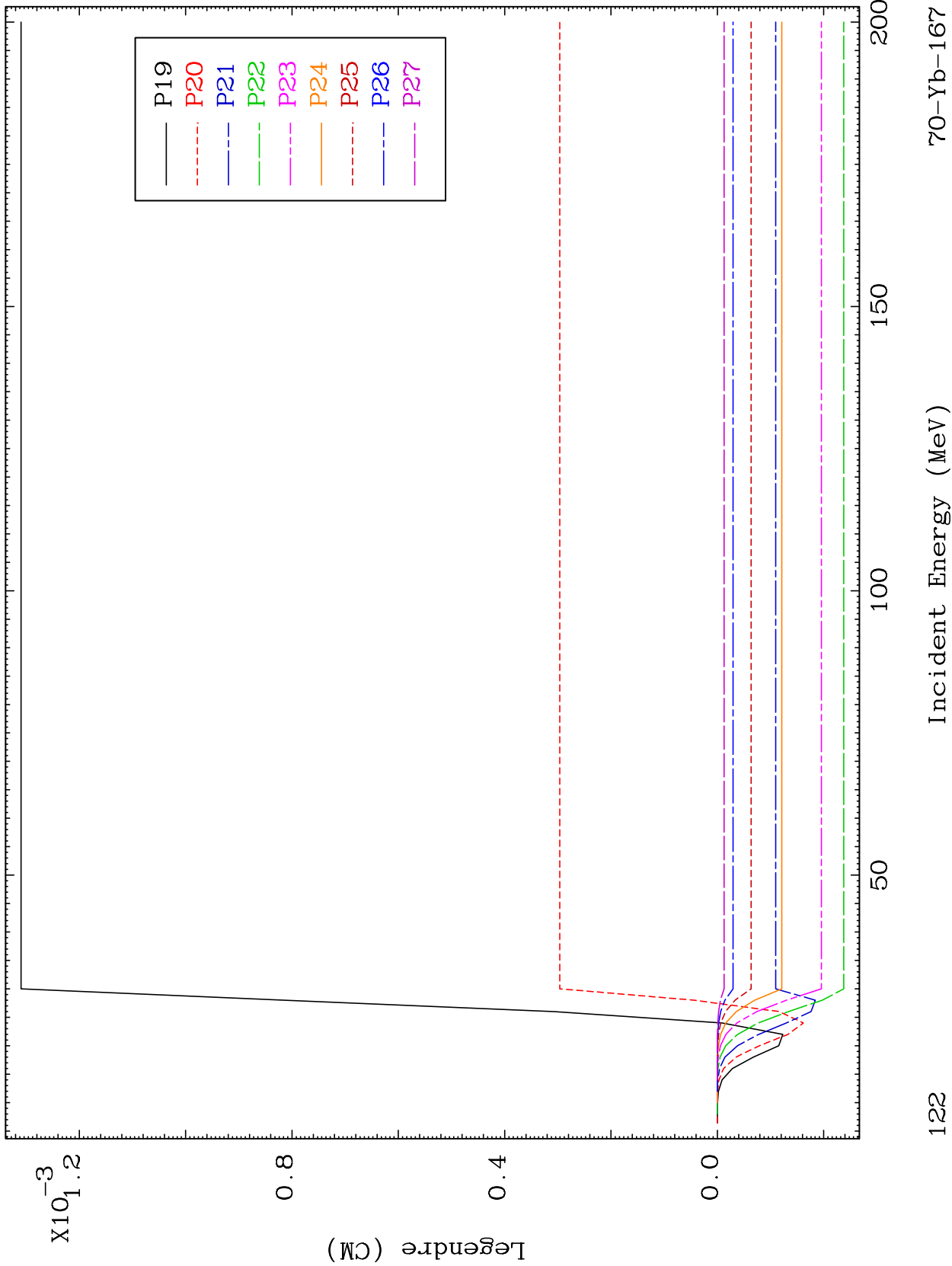
MAT 7022

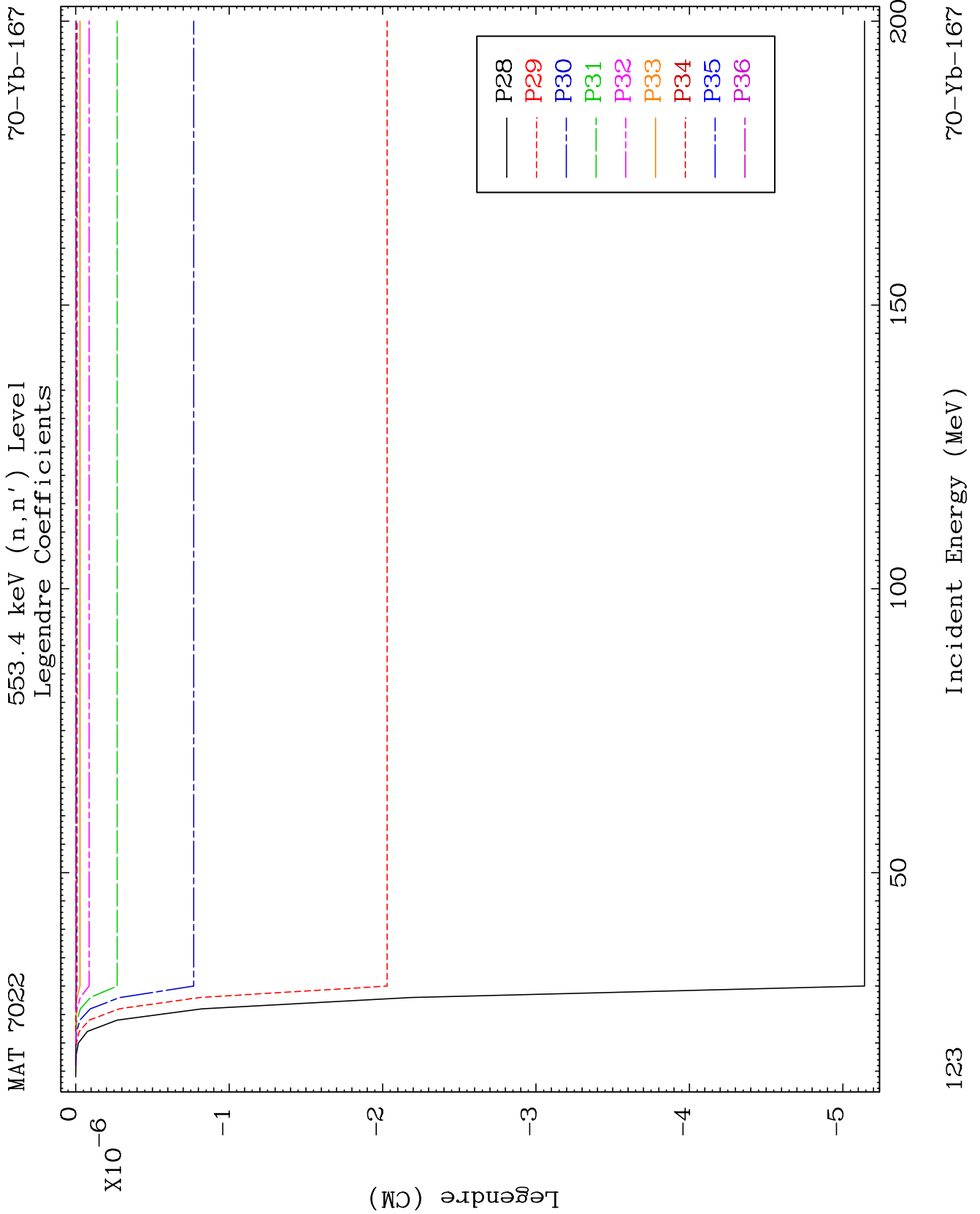
553.4 keV (n,n') Level
Legendre Coefficients

70-Yb-167



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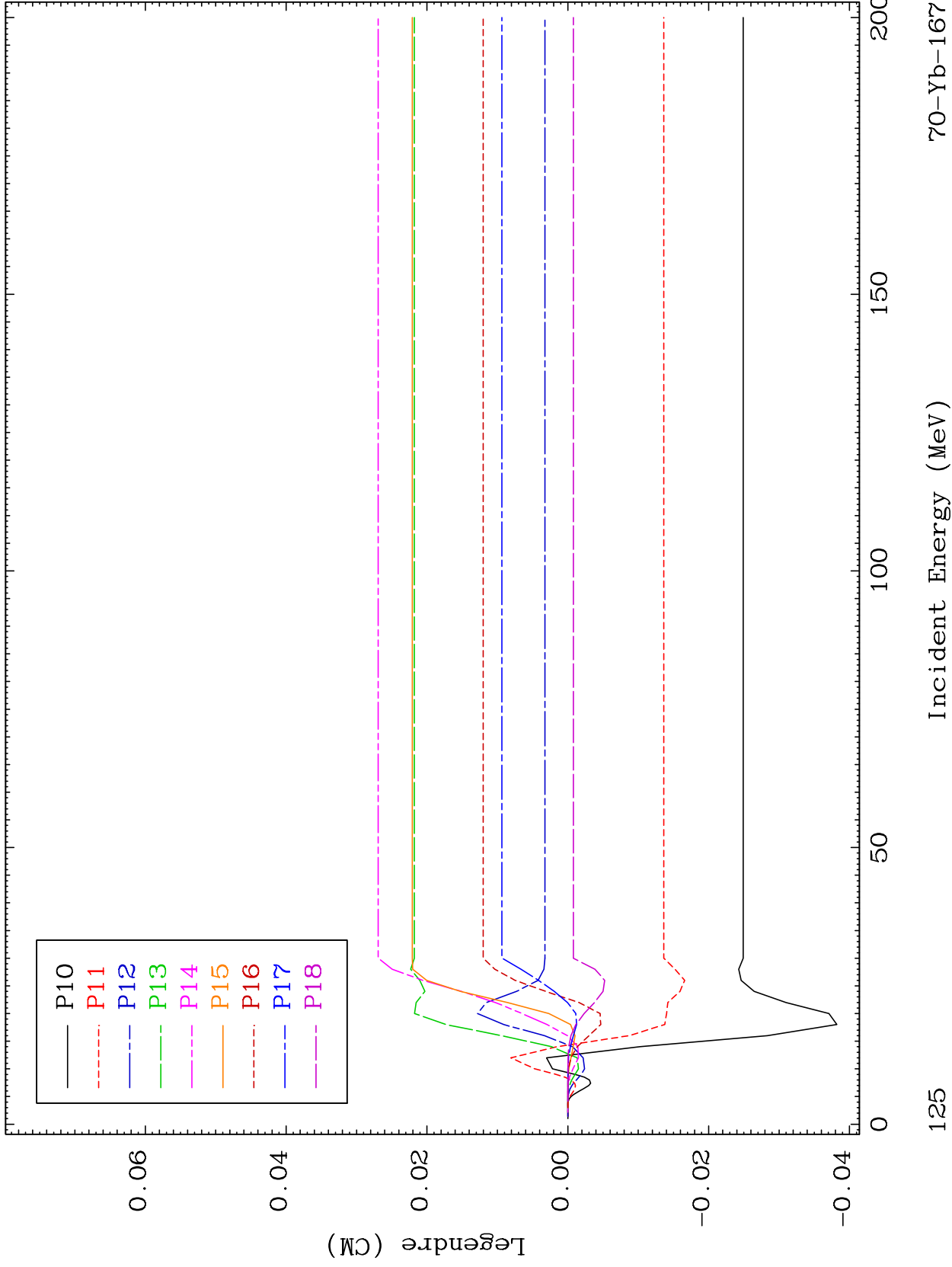




MAT 7022

566.0 keV (n,n') Level
Legendre Coefficients

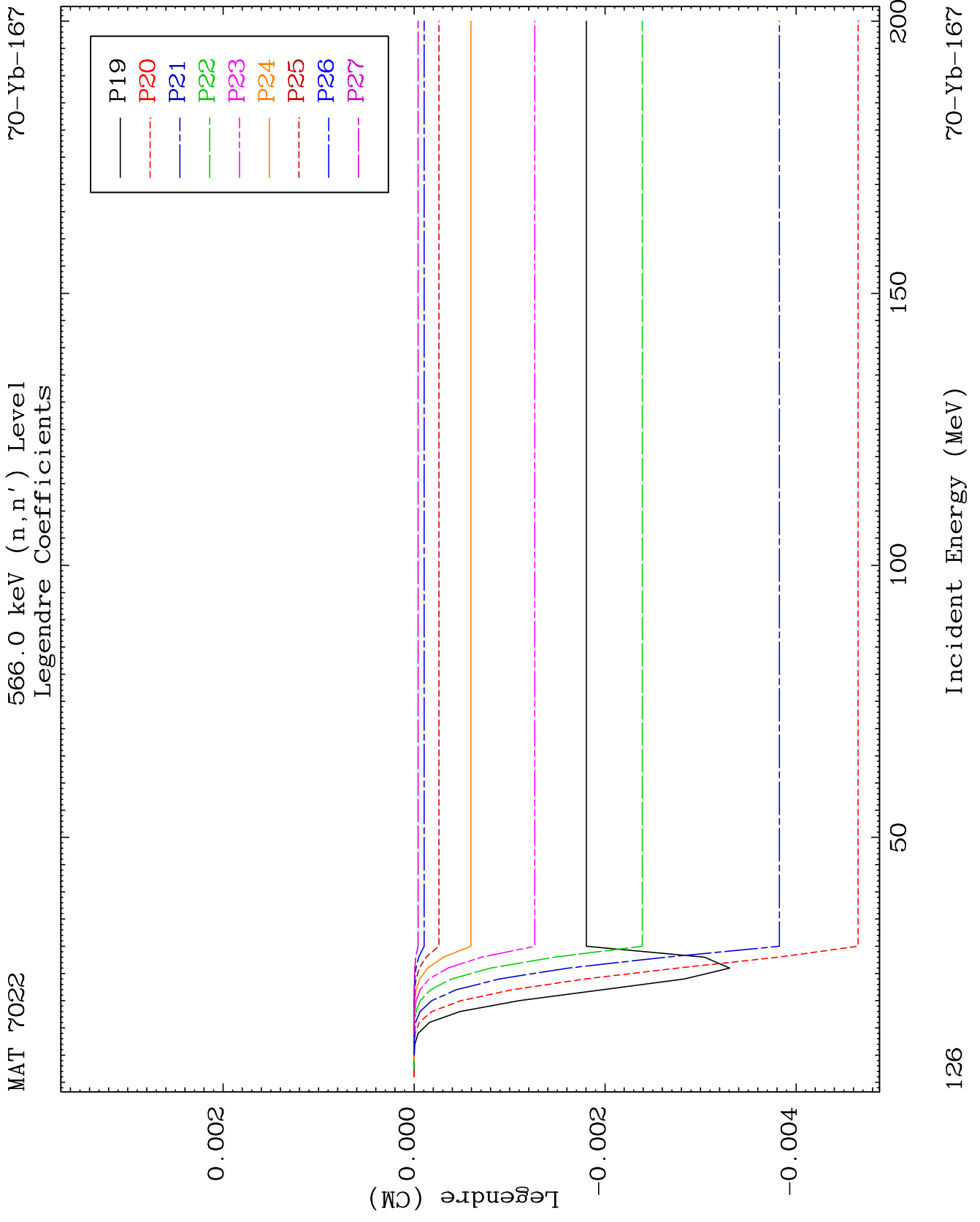
70-Yb-167

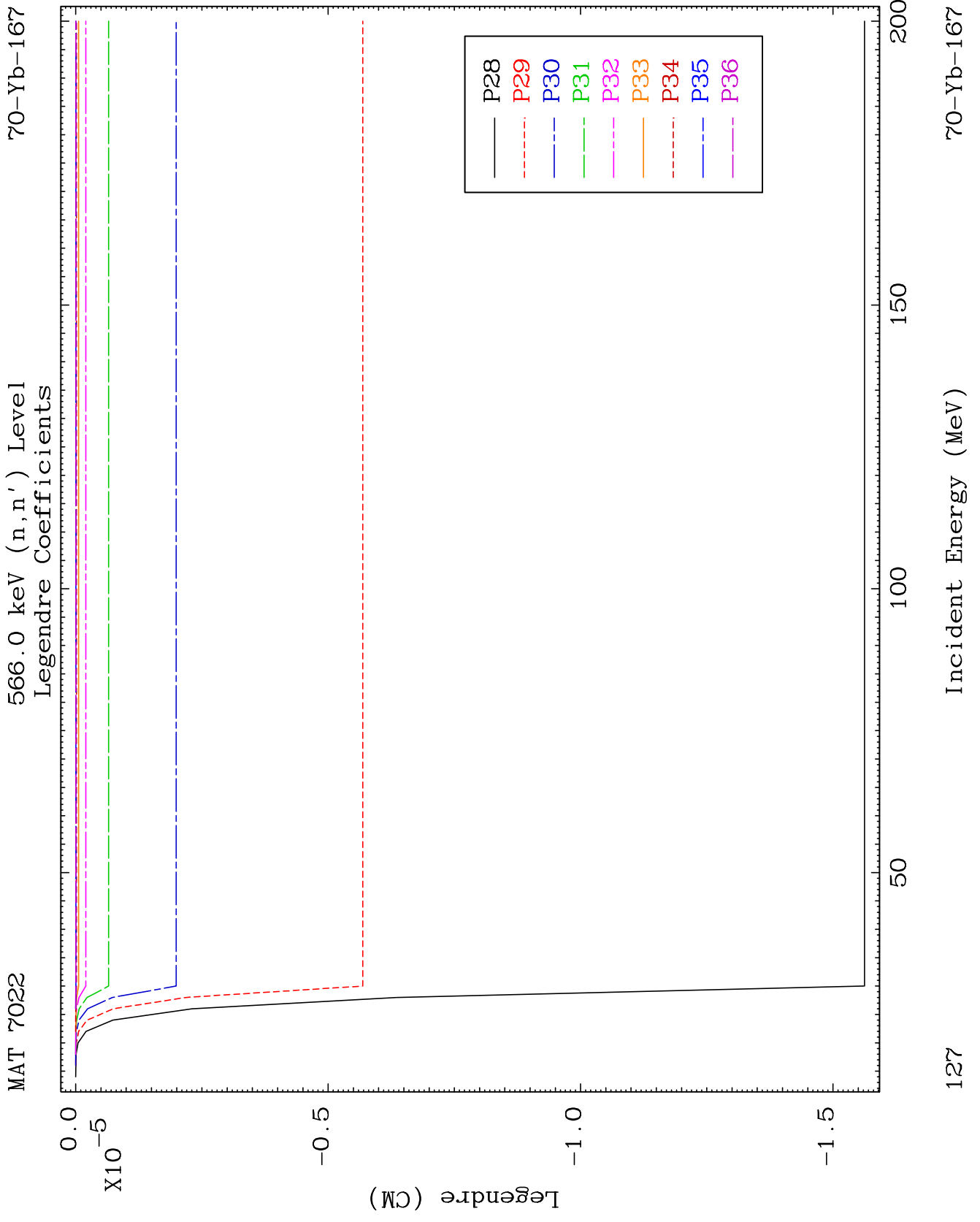


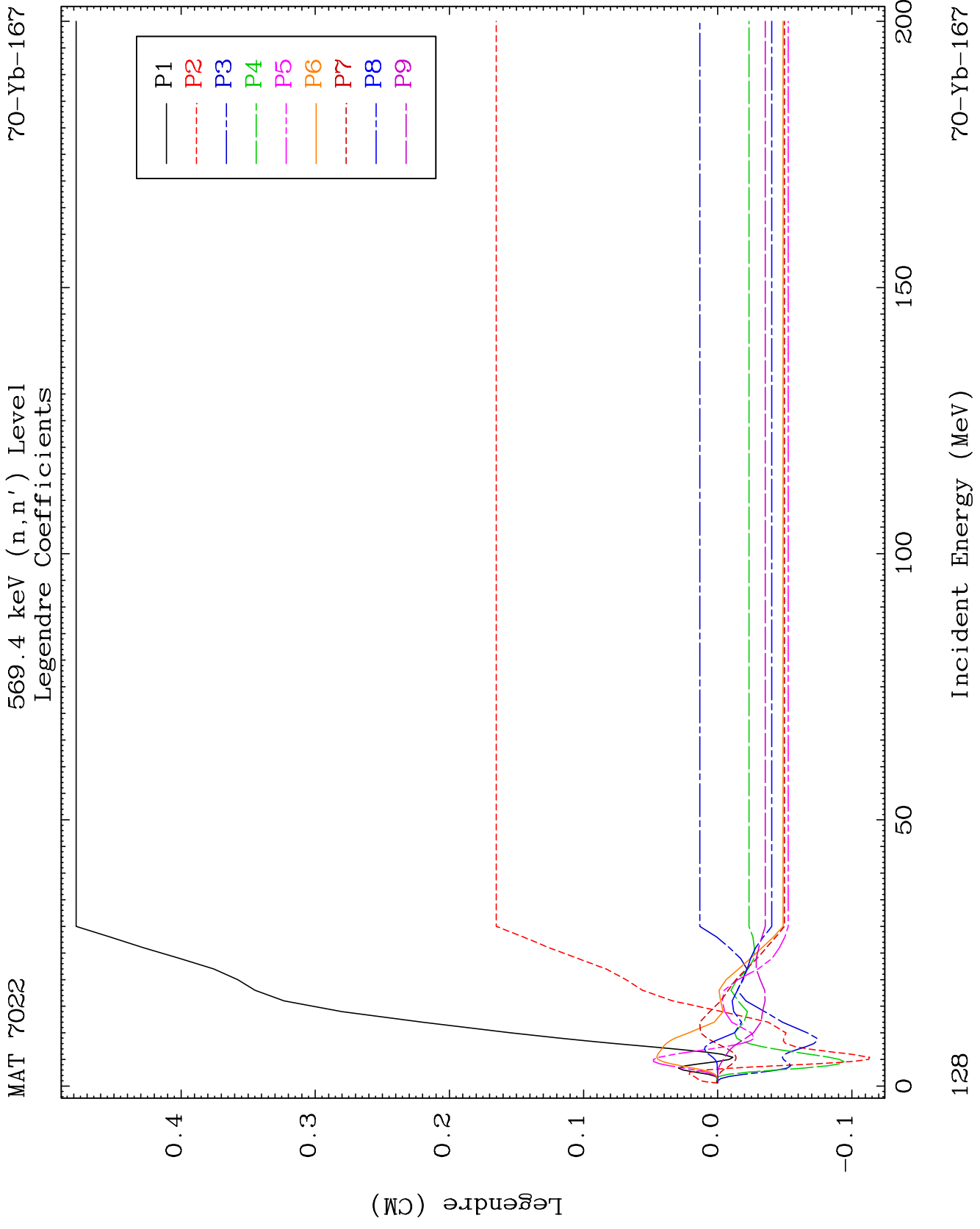
70-Yb-167

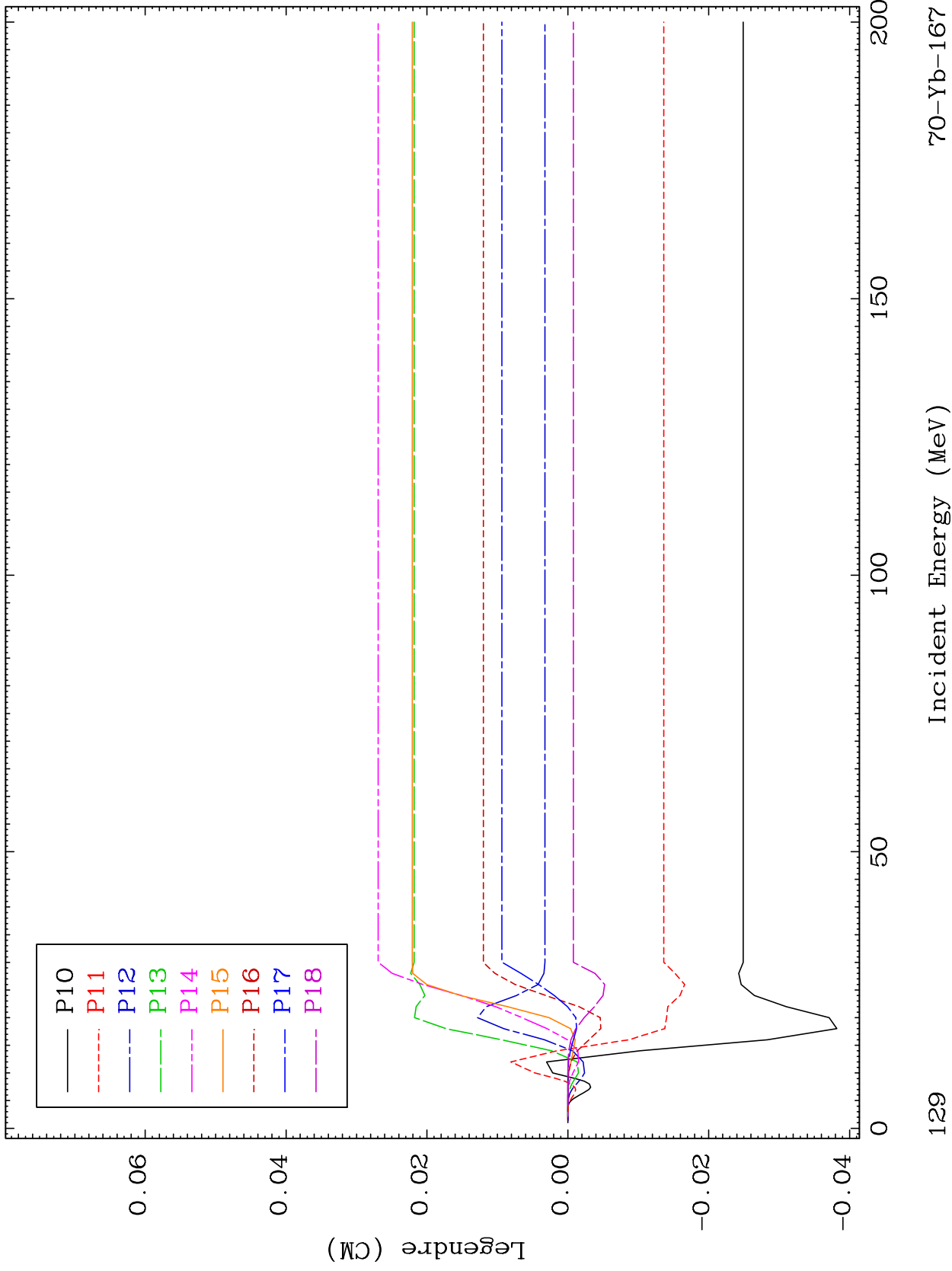
Incident Energy (MeV)

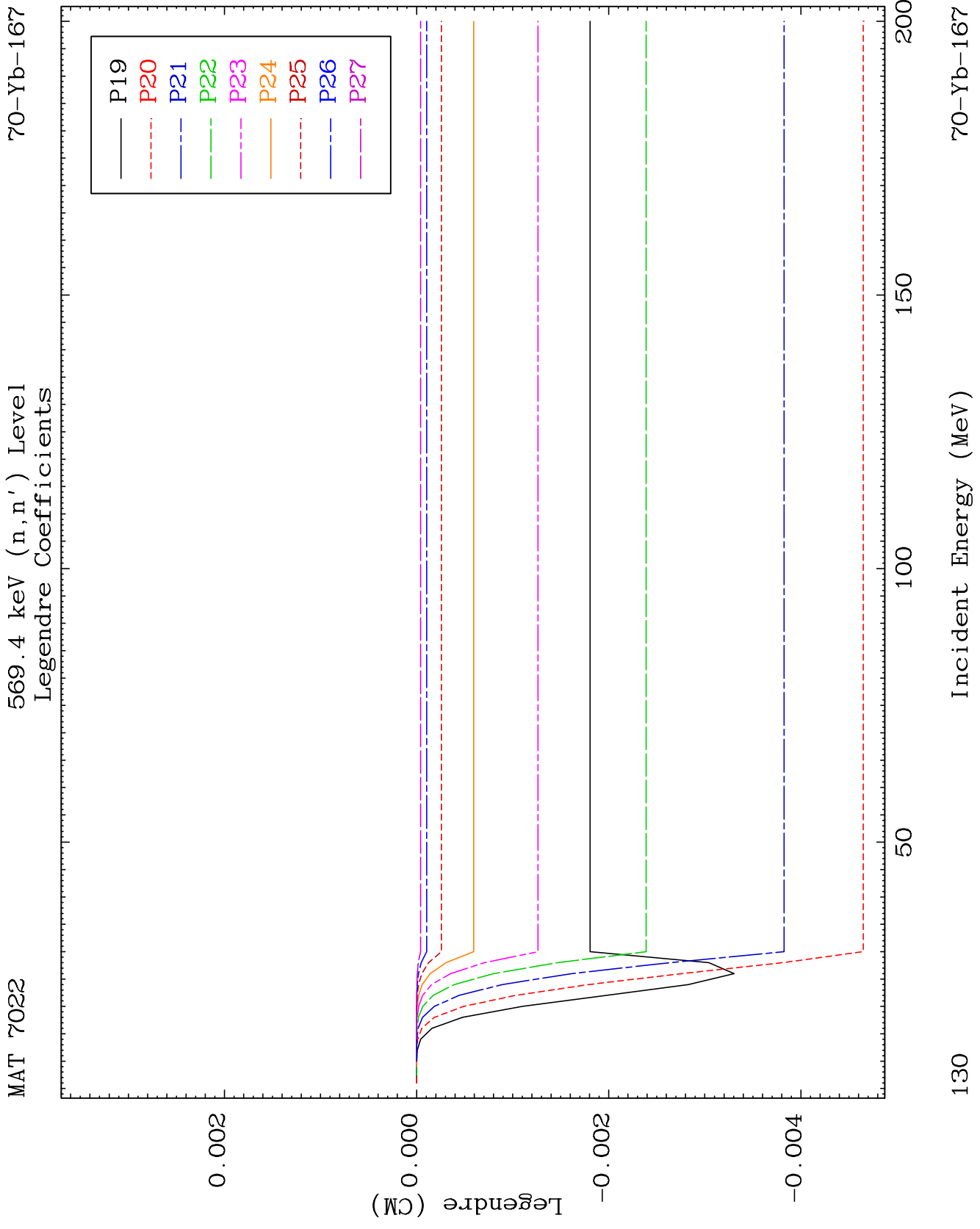
125

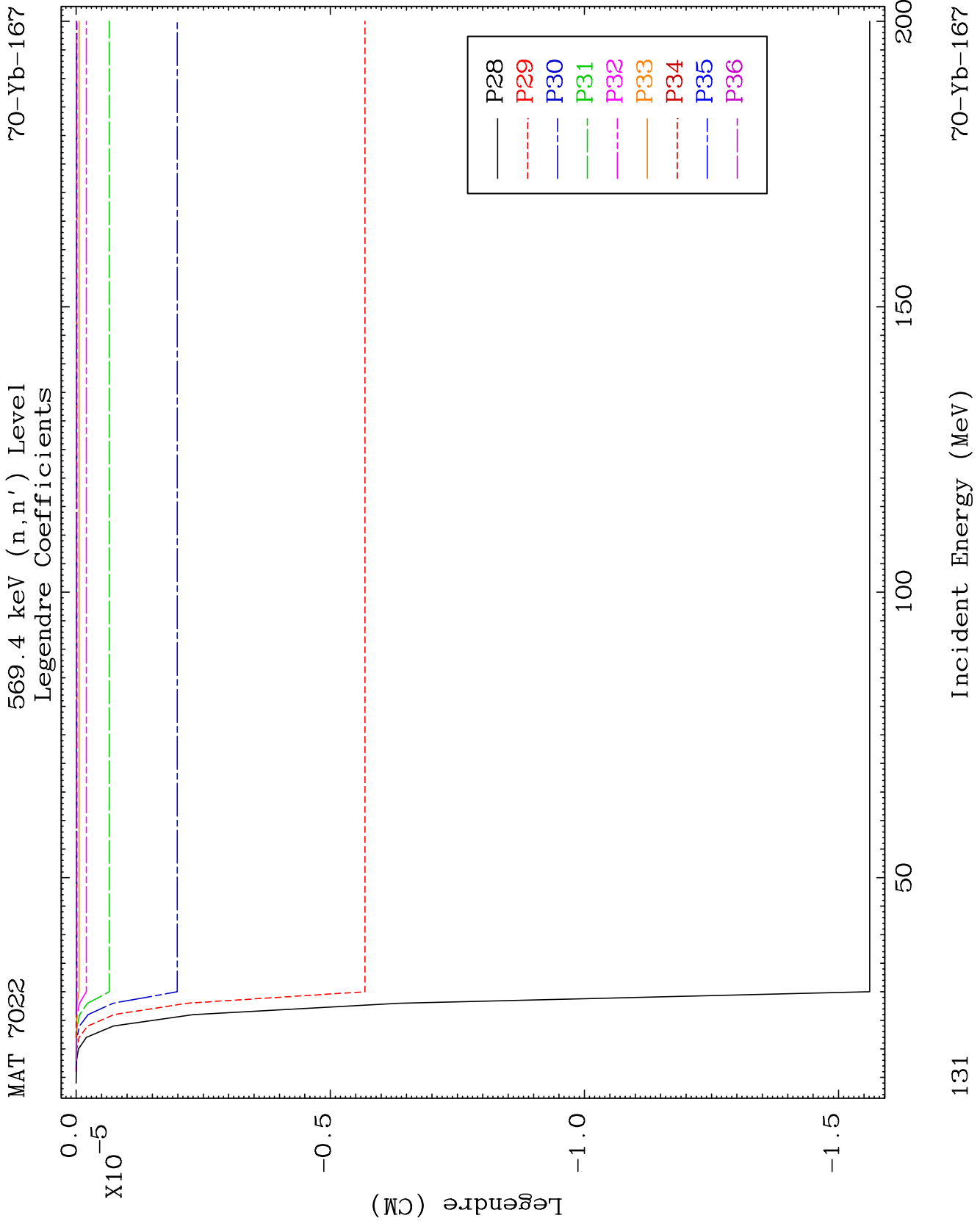


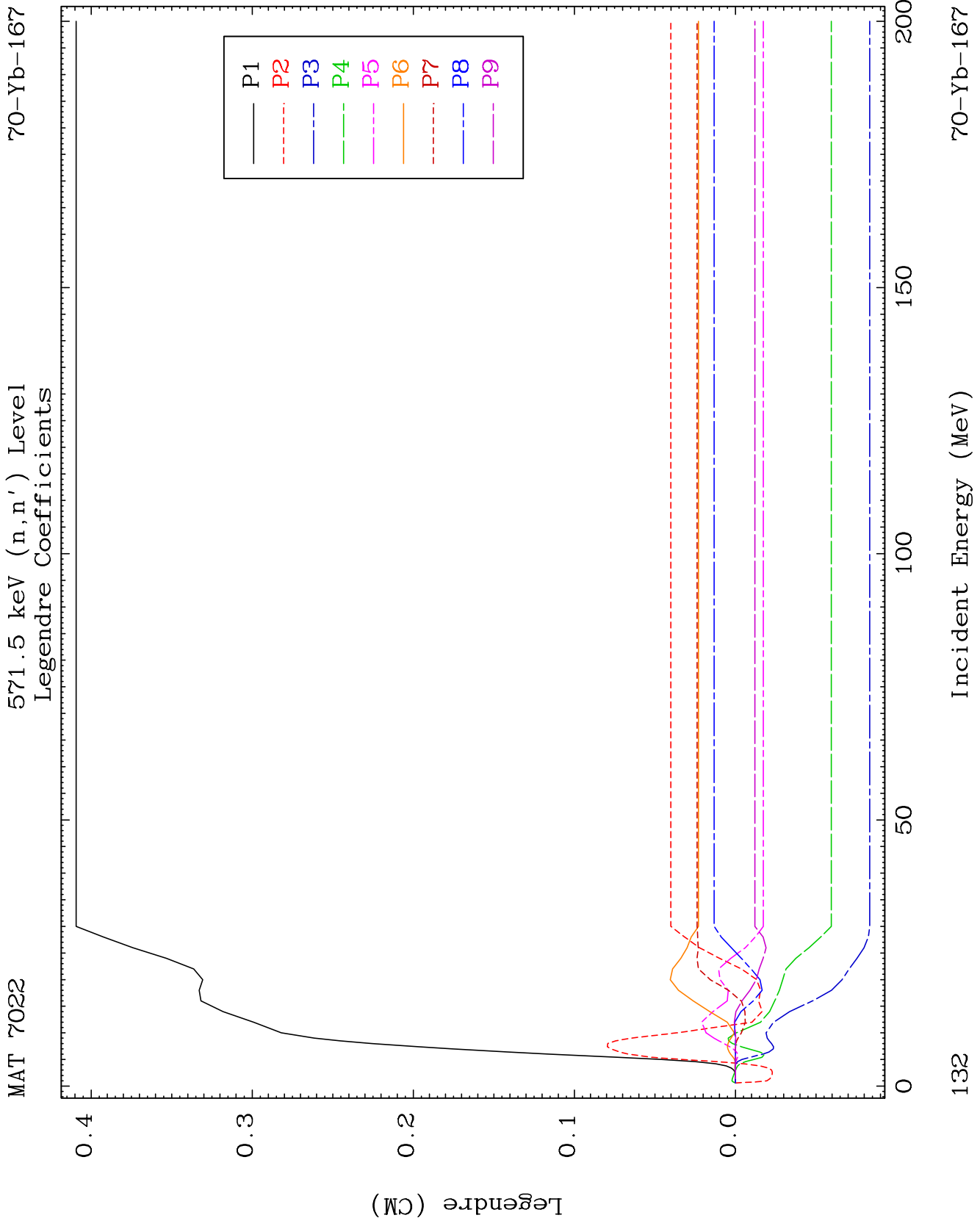


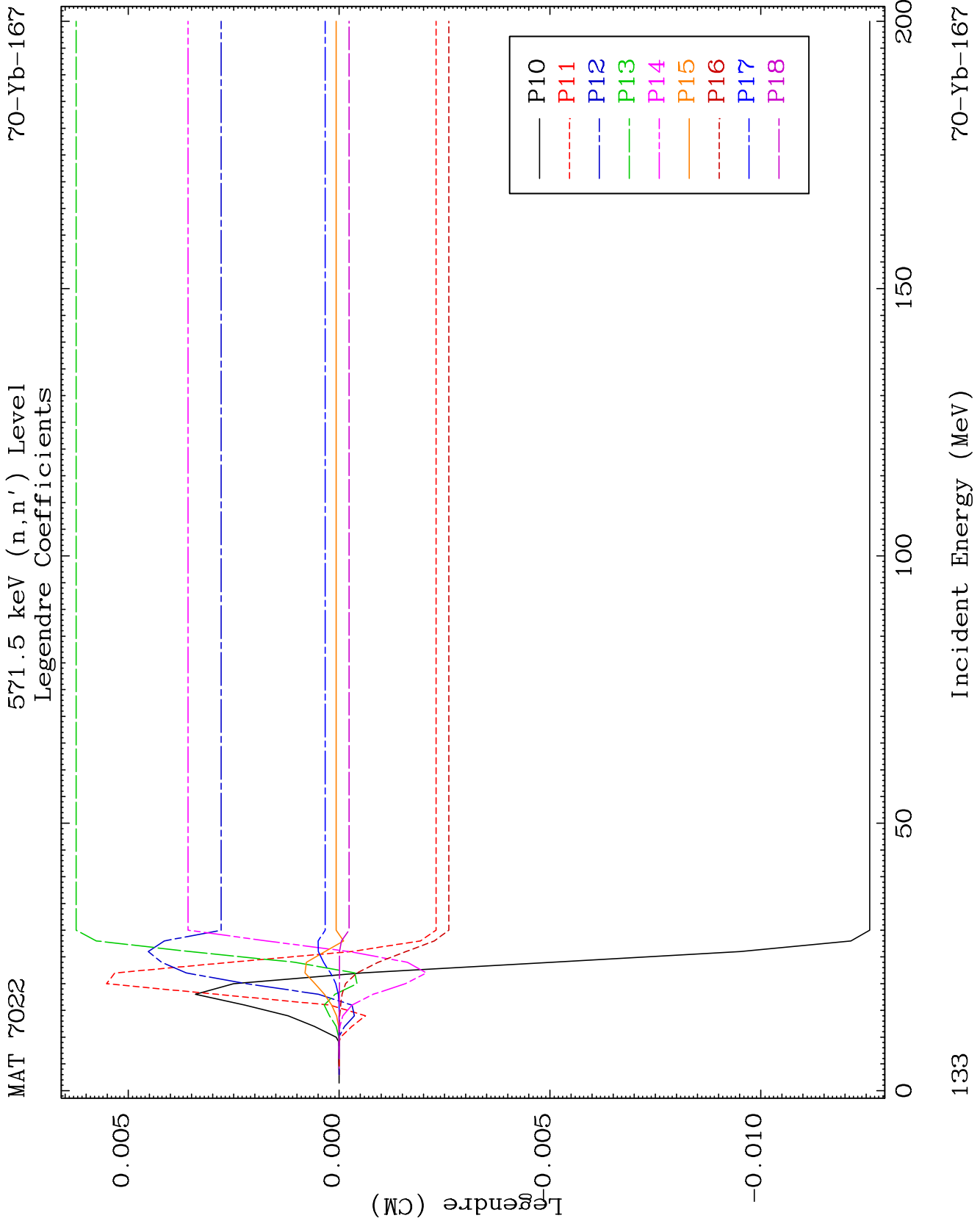


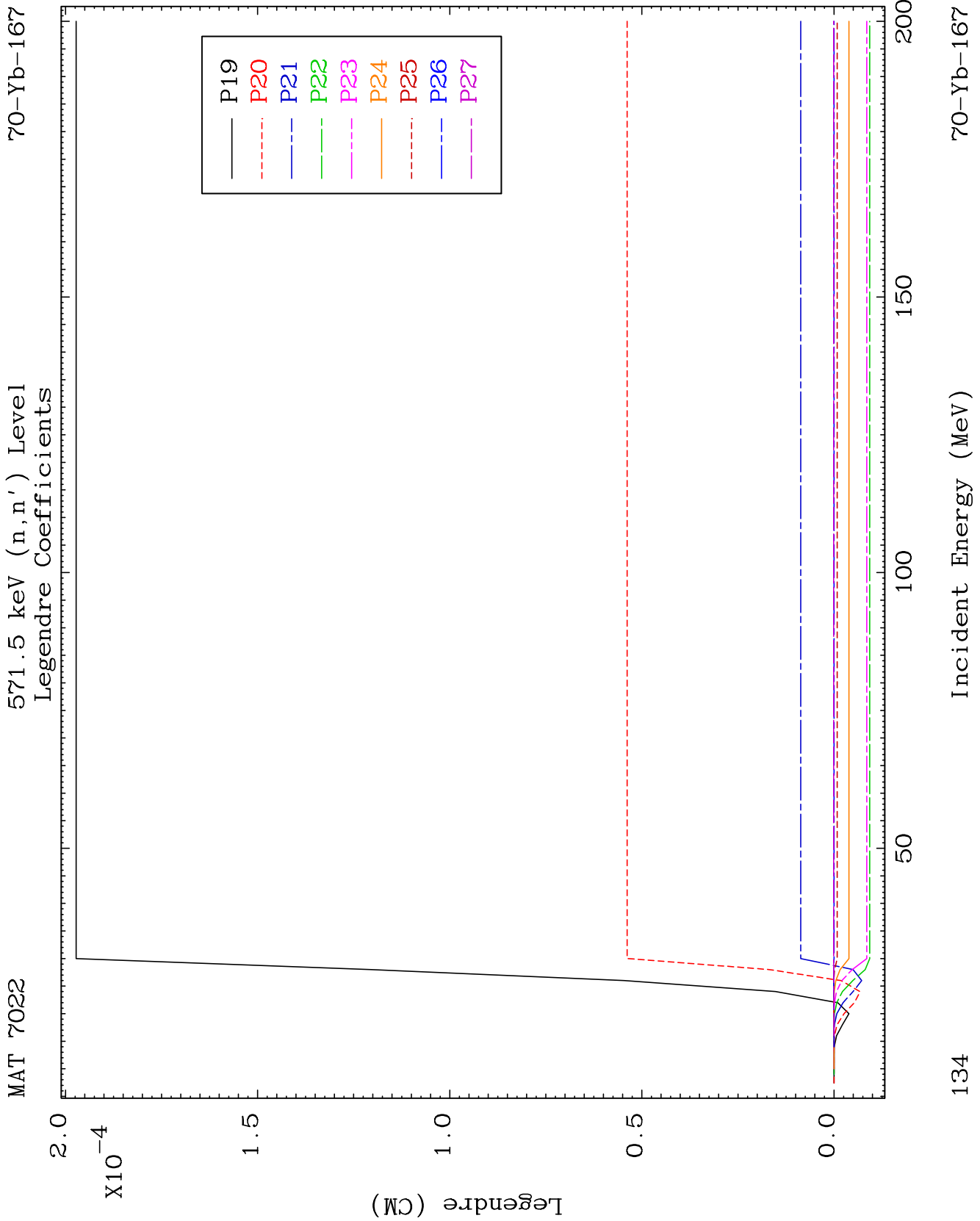








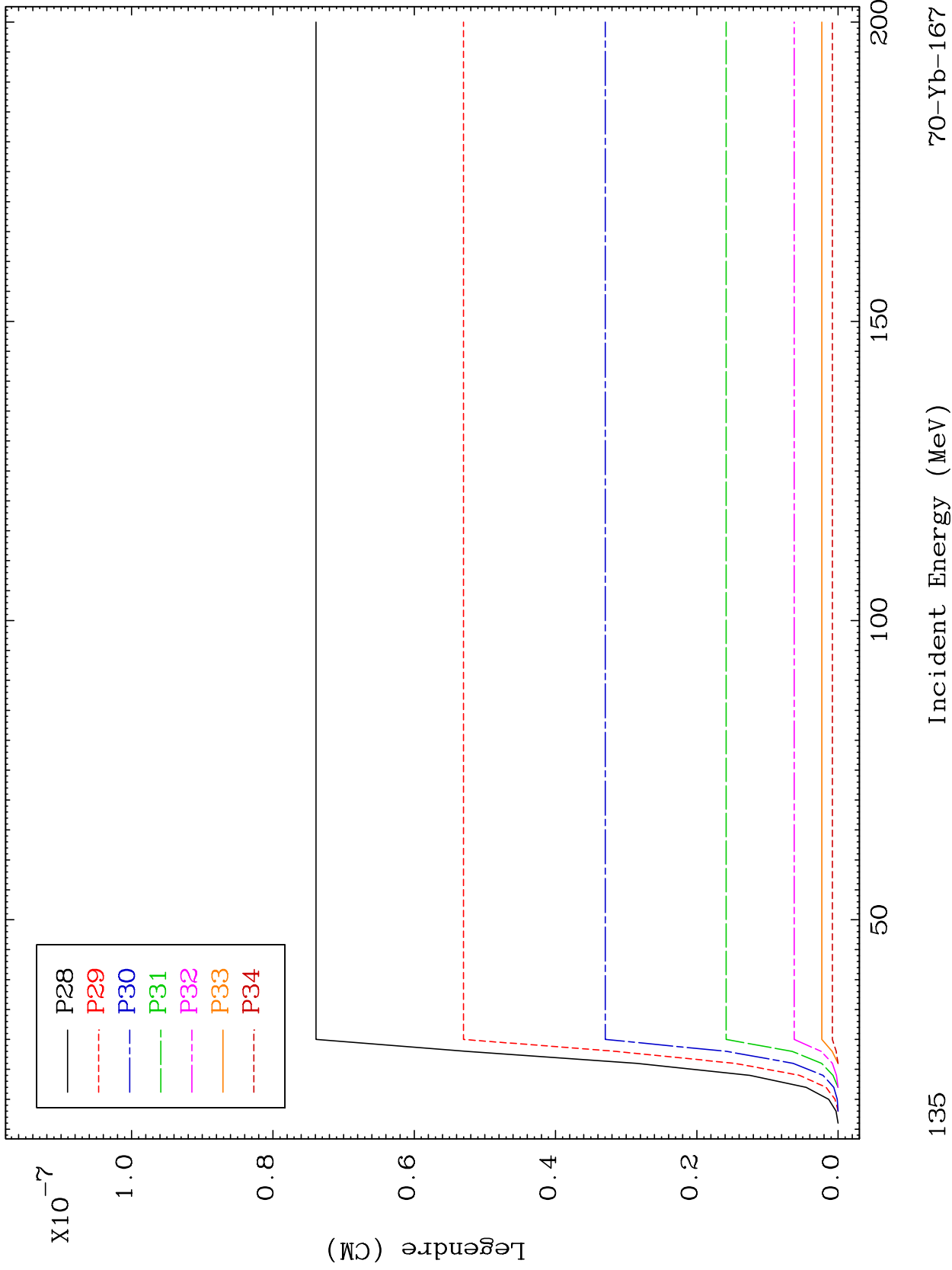




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571.5 keV (n,n') Level
Legendre Coefficients

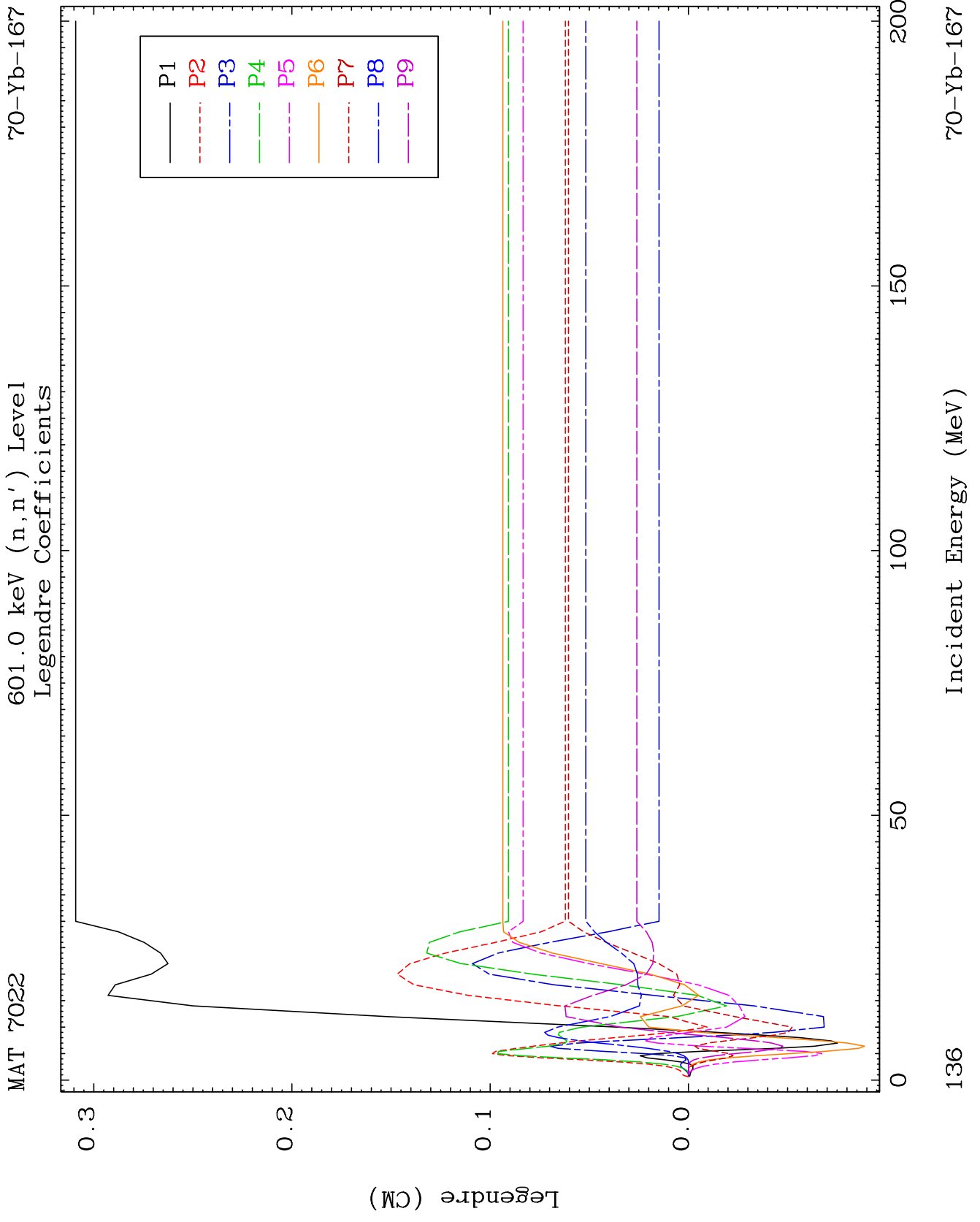
70-Yb-167

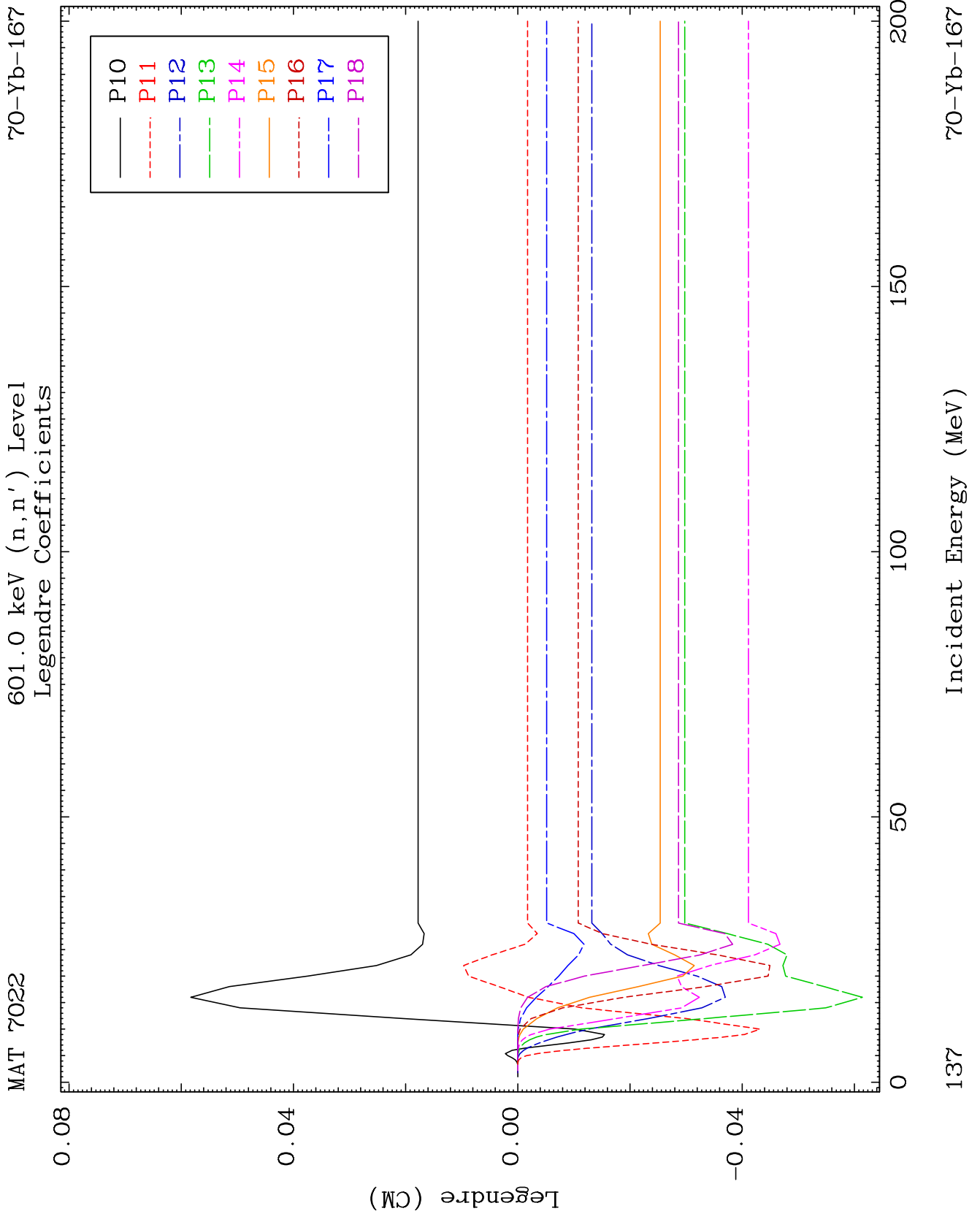


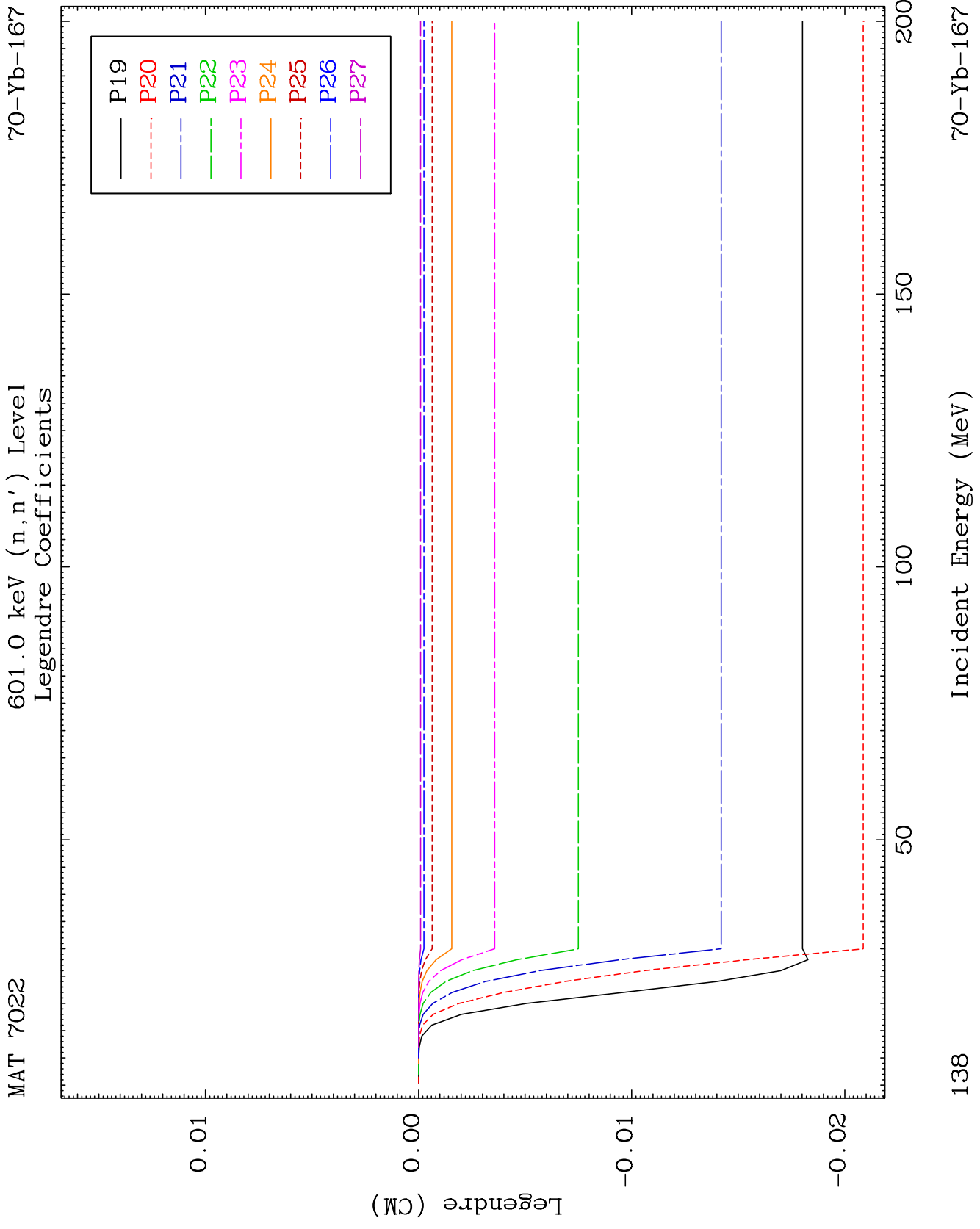
135

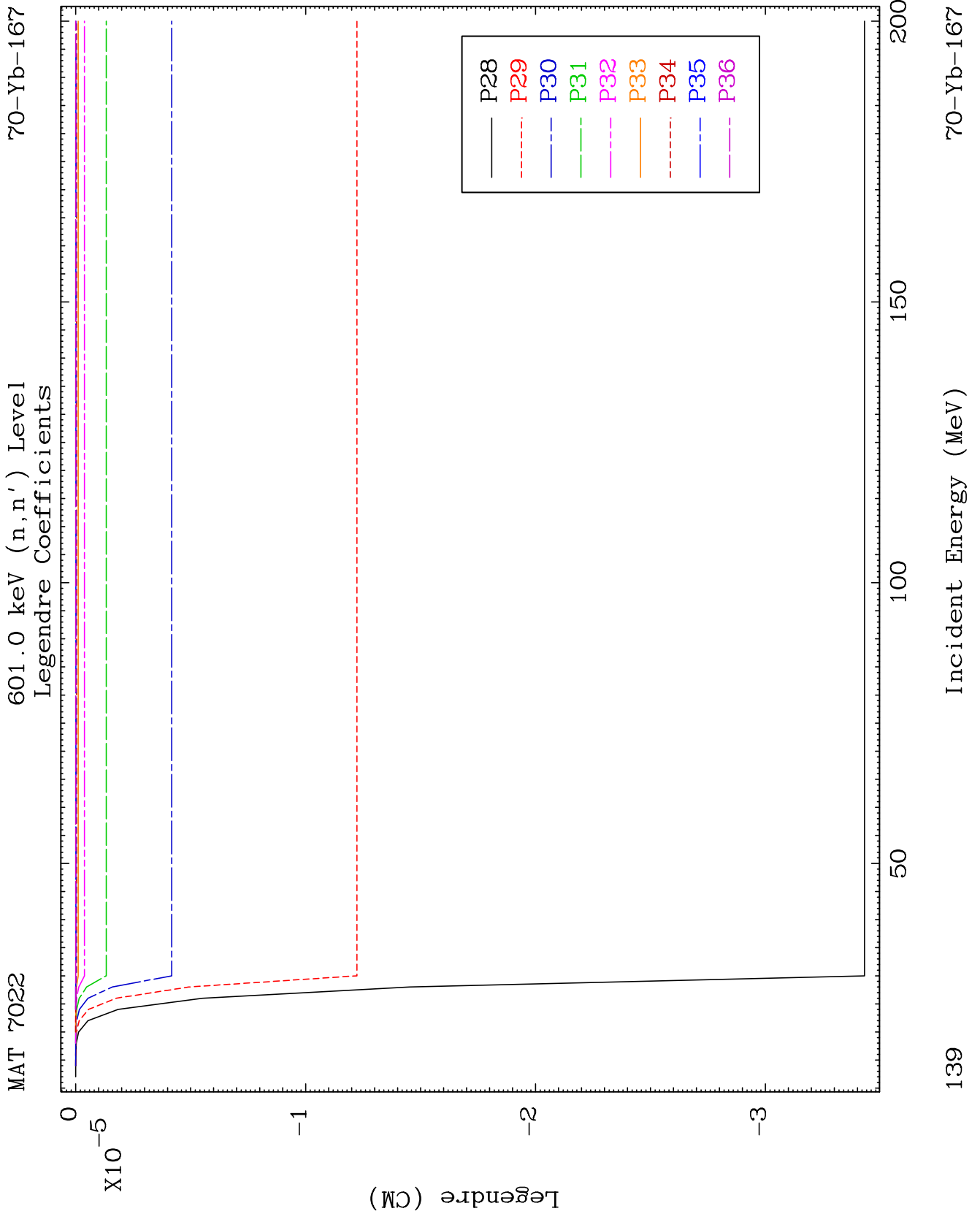
Incident Energy (MeV)

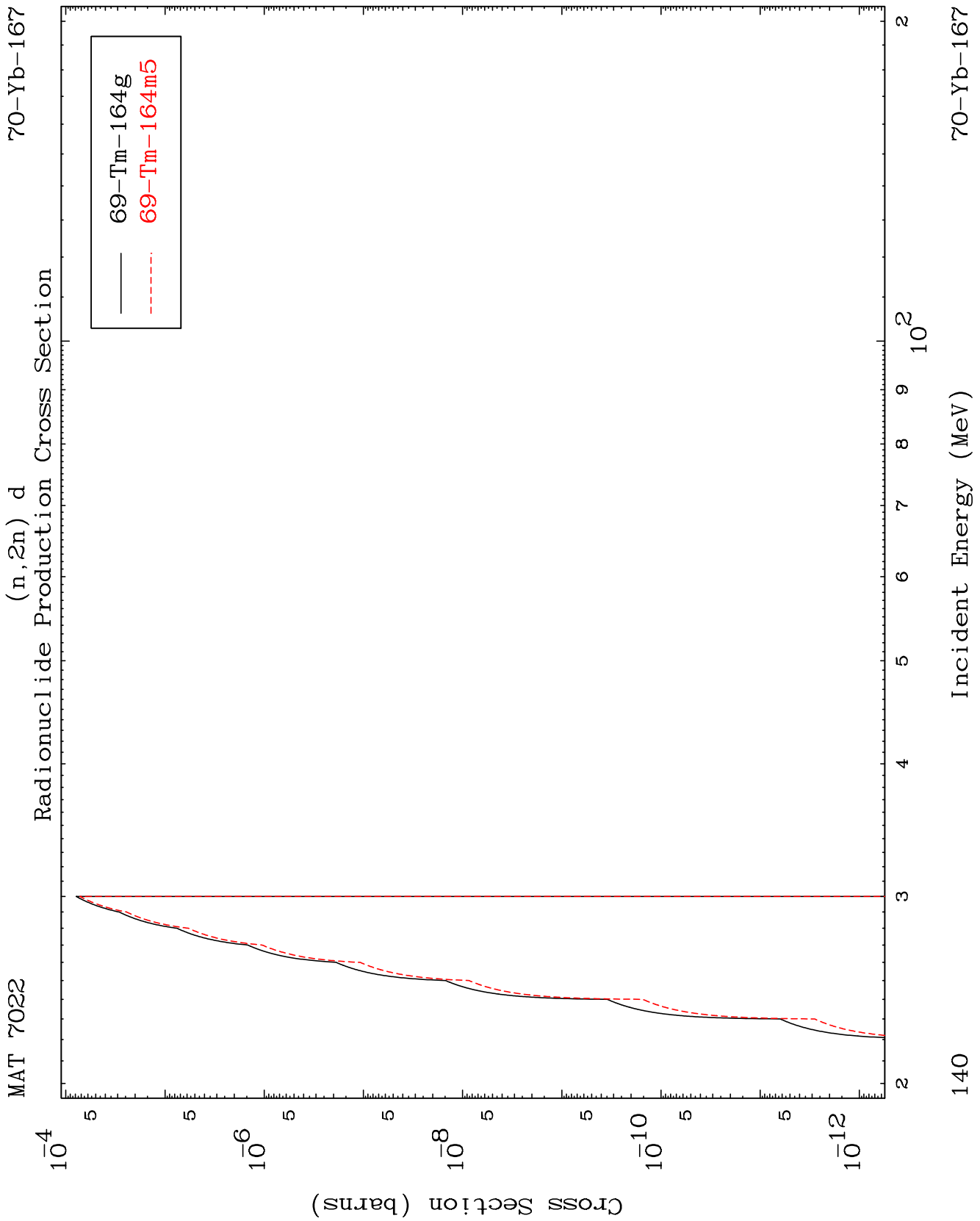
70-Yb-167



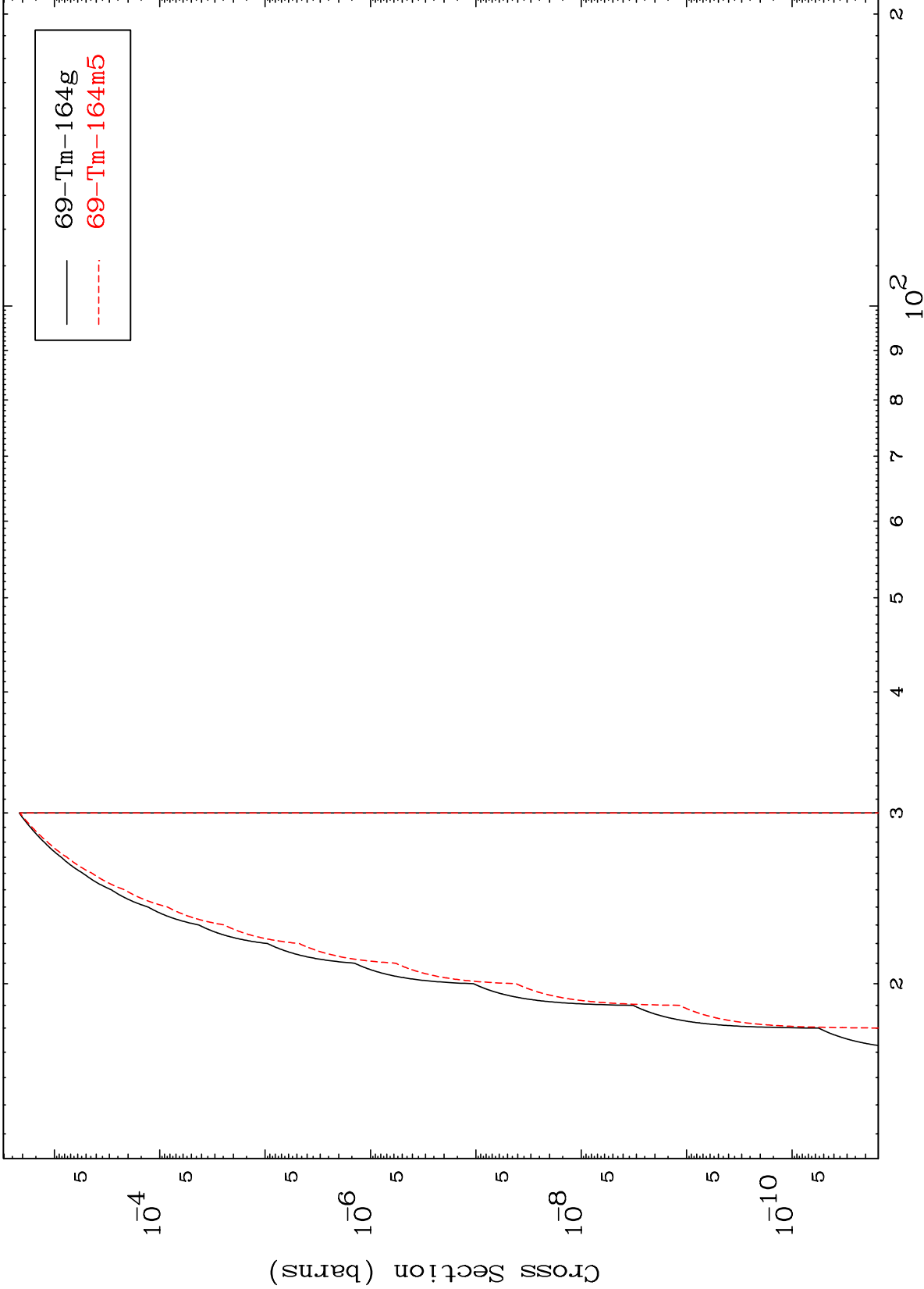




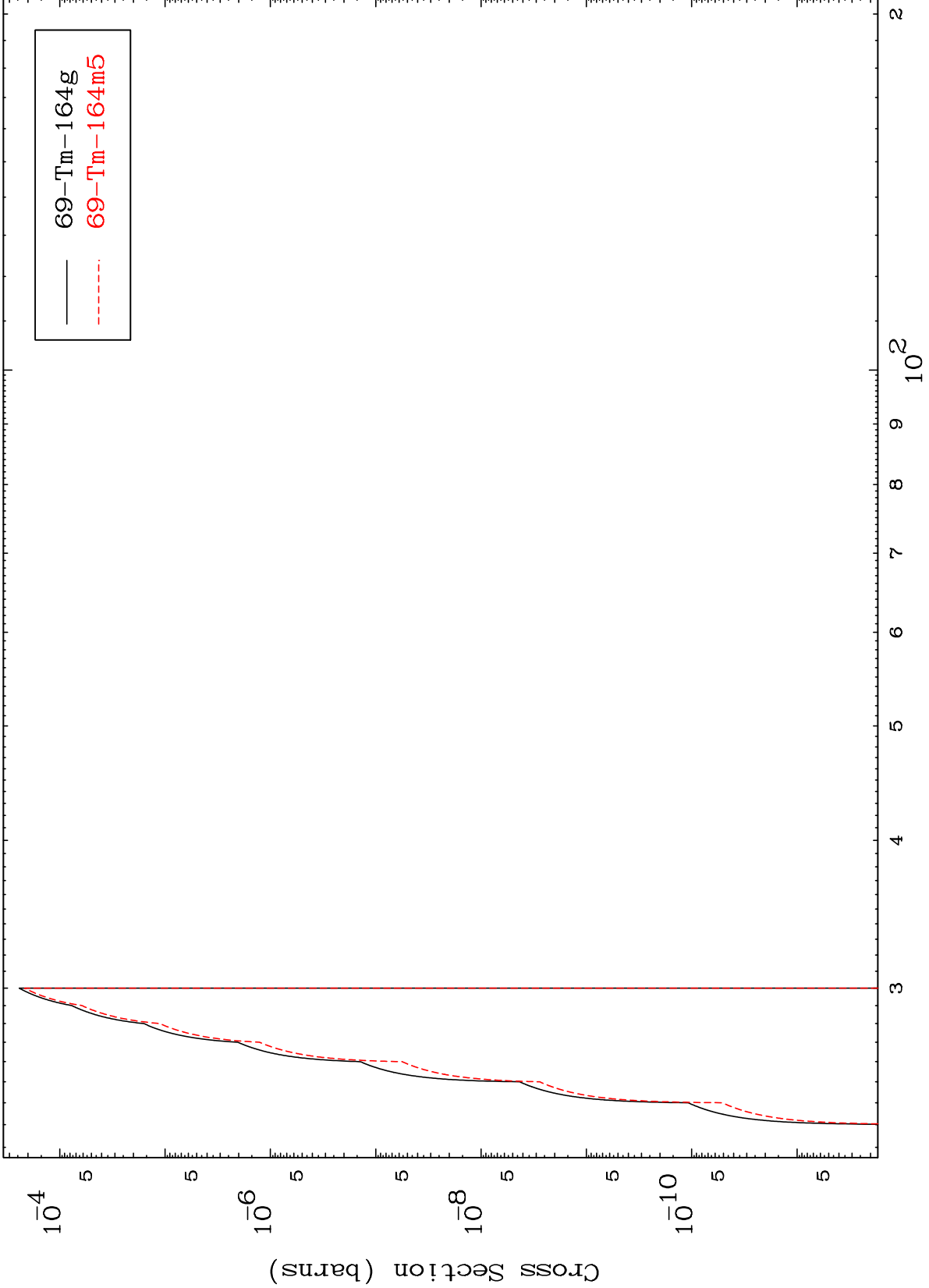




Radionuclide Production Cross Section



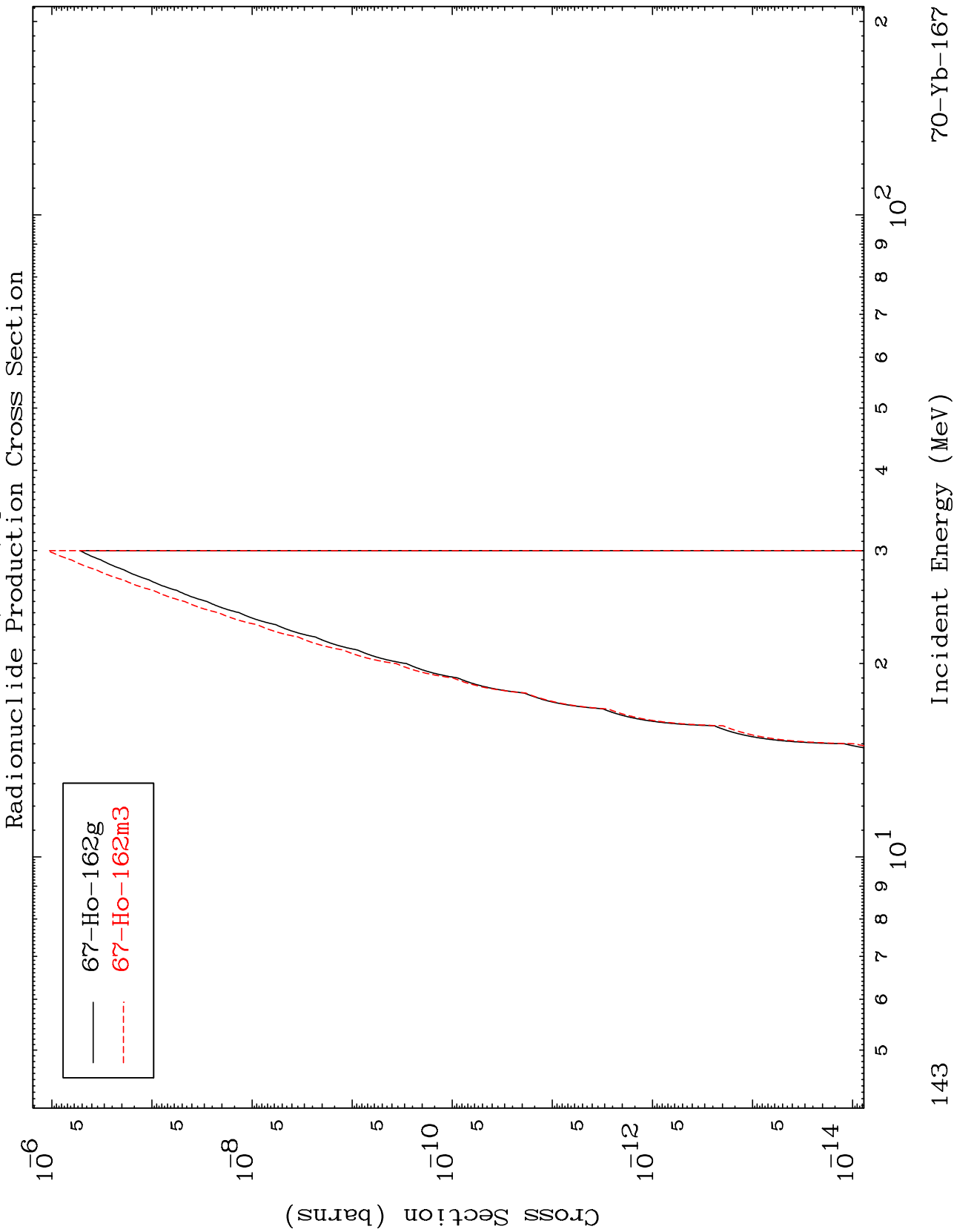
Radionuclide Production Cross Section



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(n,n') p α

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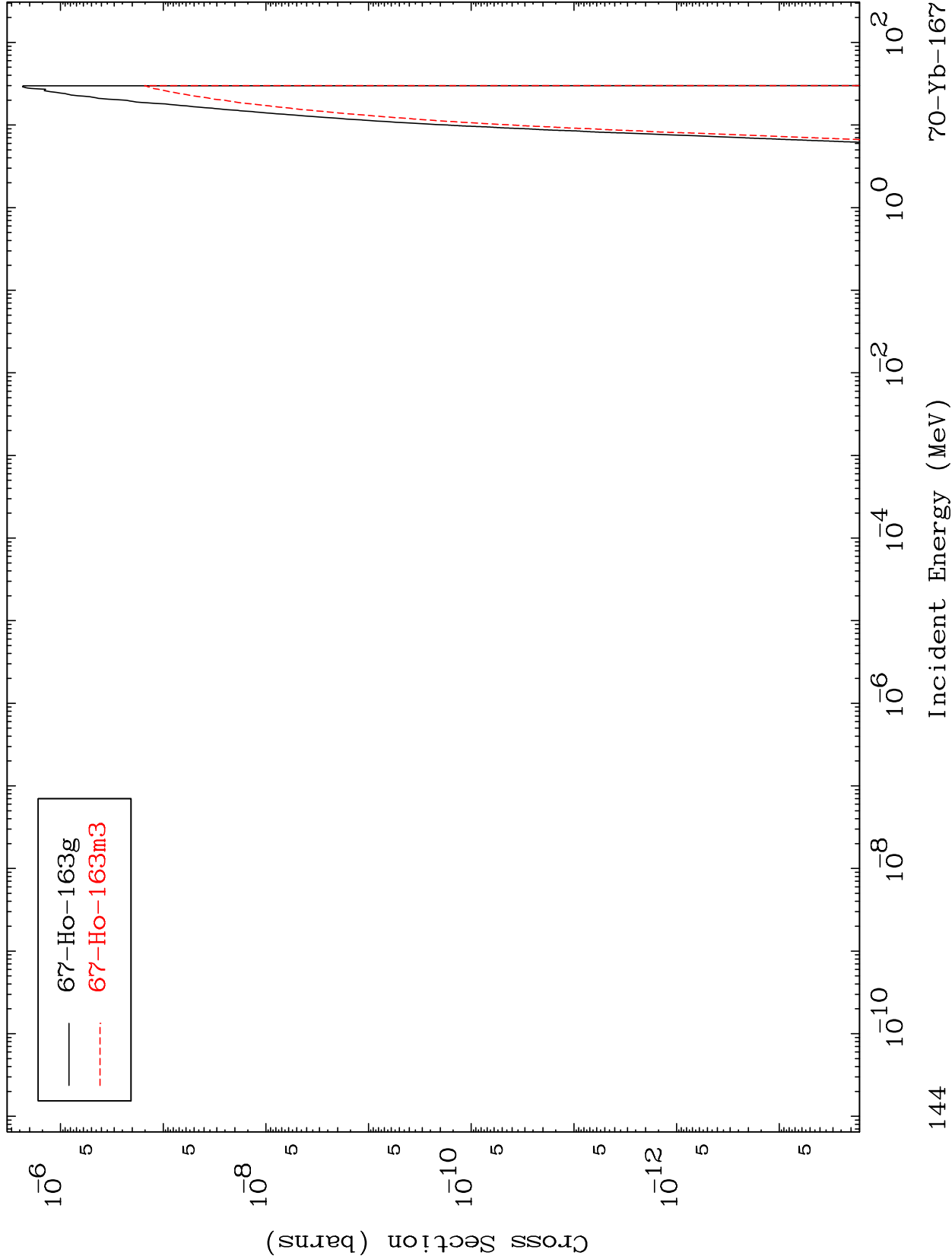
70-Yb-167

MAT 7022

(n,p) α

$^{70}\text{Yb-167}$

Radionuclide Production Cross Section

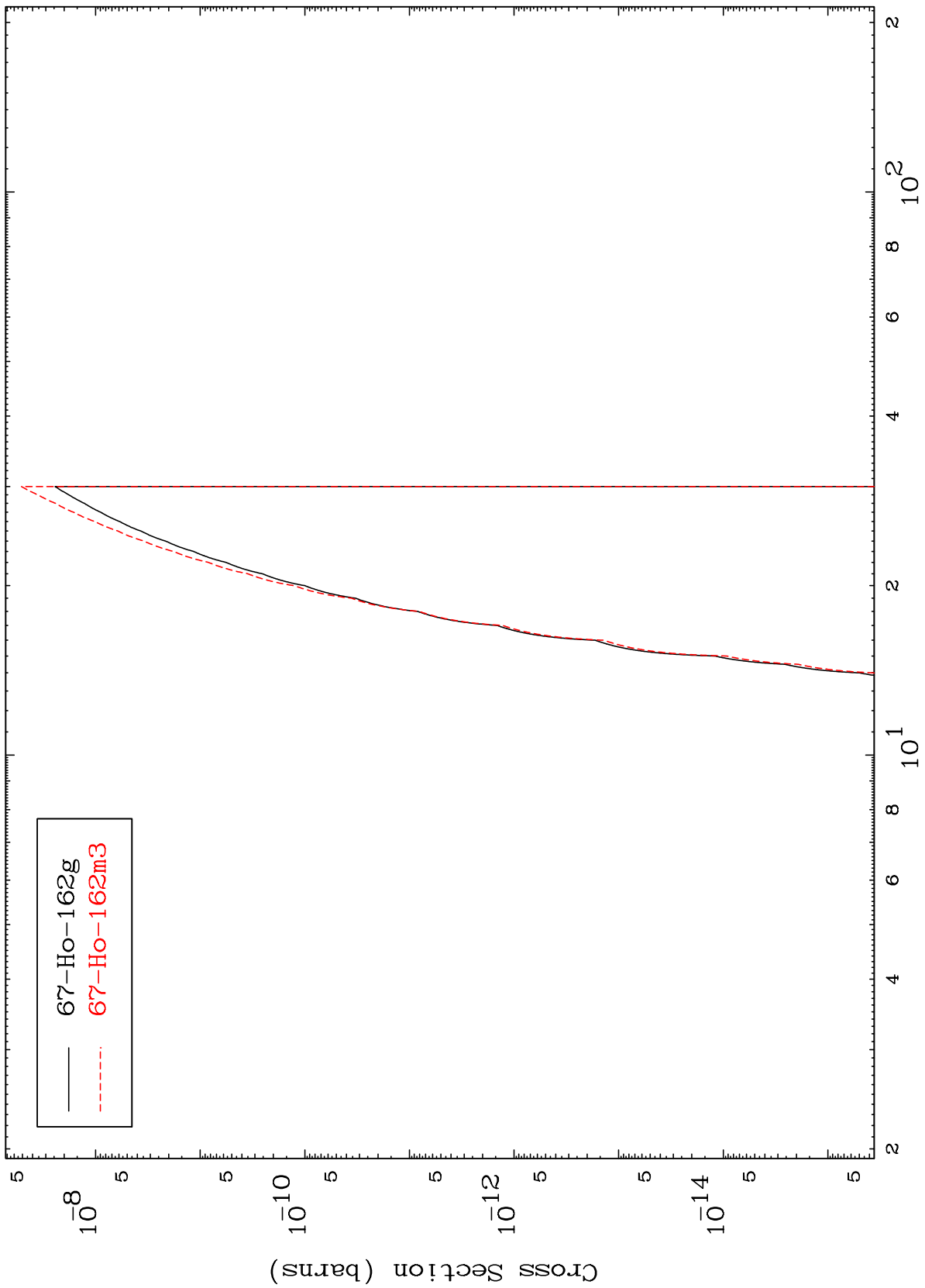


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(n,d) α

70-Yb-167

Radionuclide Production Cross Section



— 67-Ho-162g
- - - 67-Ho-162m3

70-Yb-167

Incident Energy (MeV)

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