

Program EVALPLOT
(Version 2015-2)

by

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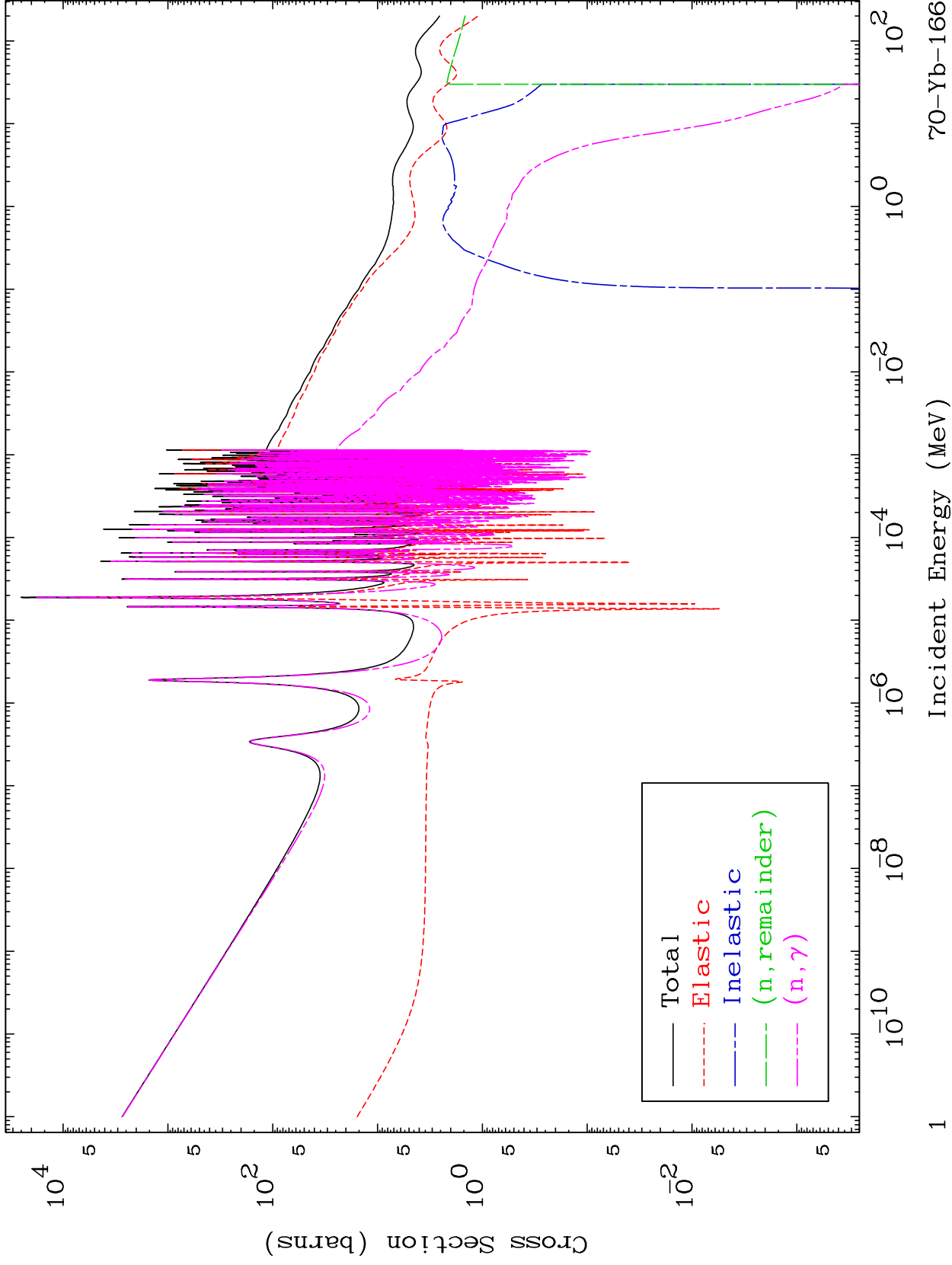
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7019

Major
293 Kelvin Cross Sections

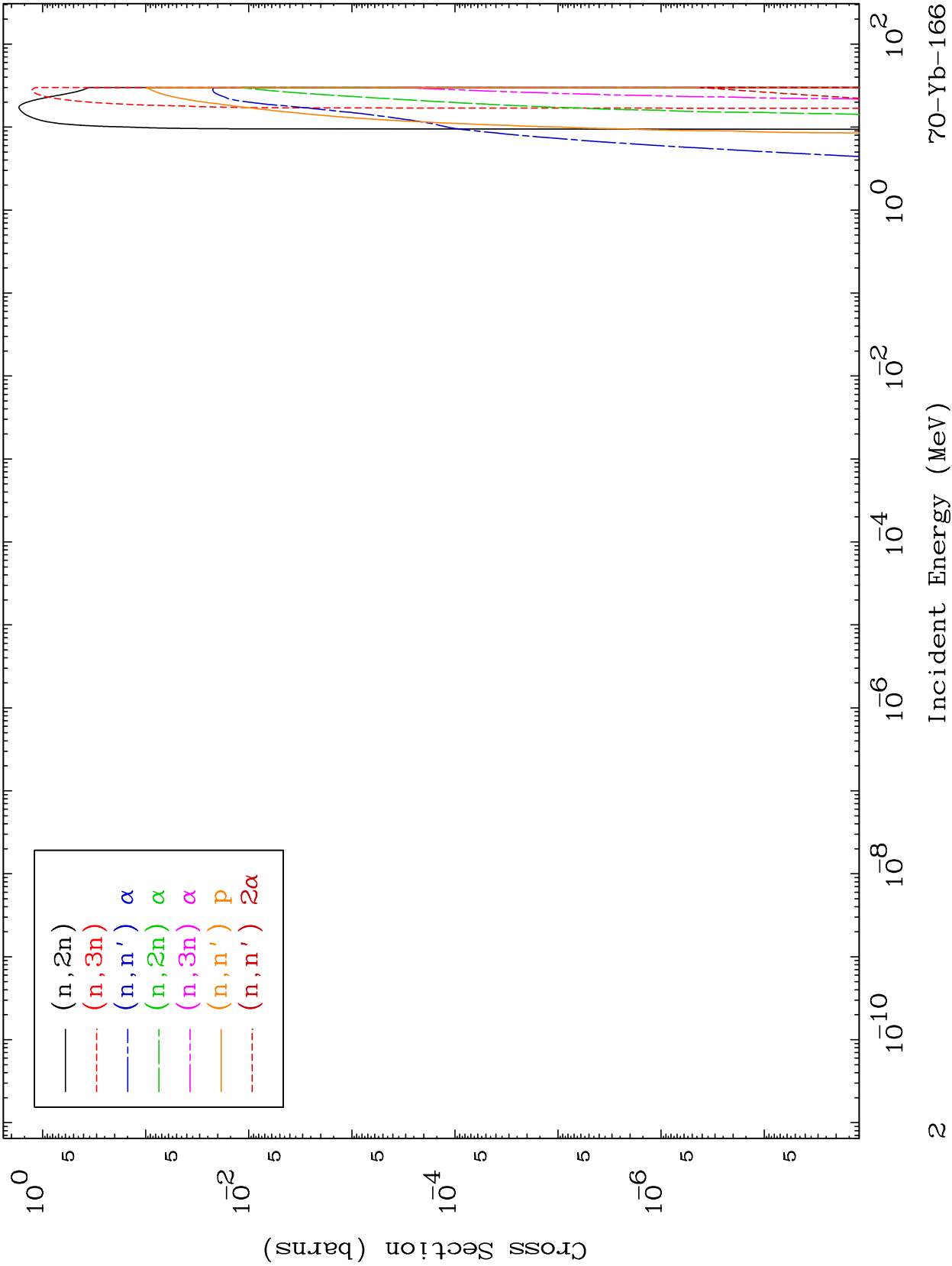
70-Yb-166

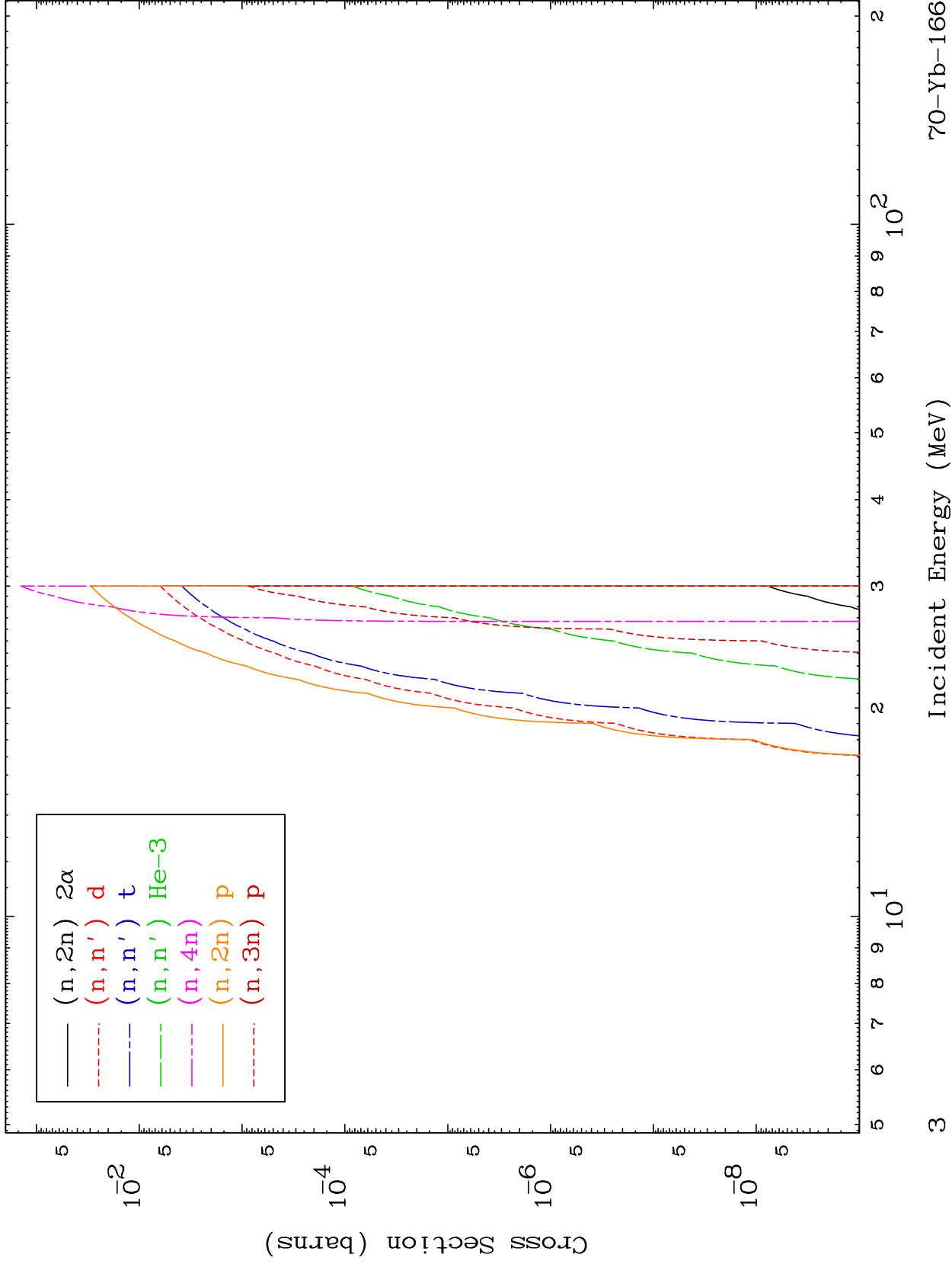


MAT 7019

Neutron Production
293 Kelvin Cross Sections

70-Yb-166

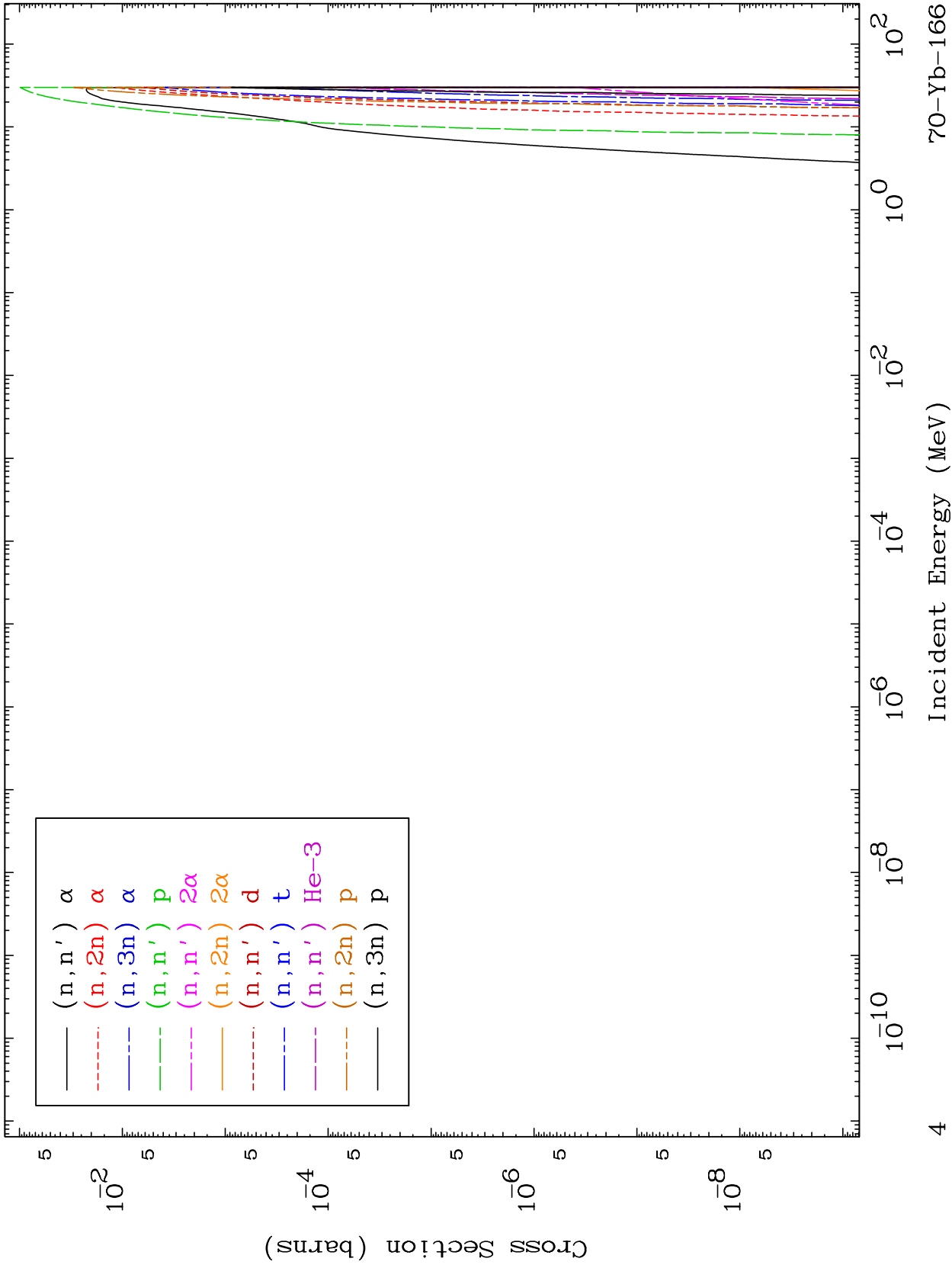




MAT 7019

Charged Particle
293 Kelvin Cross Sections

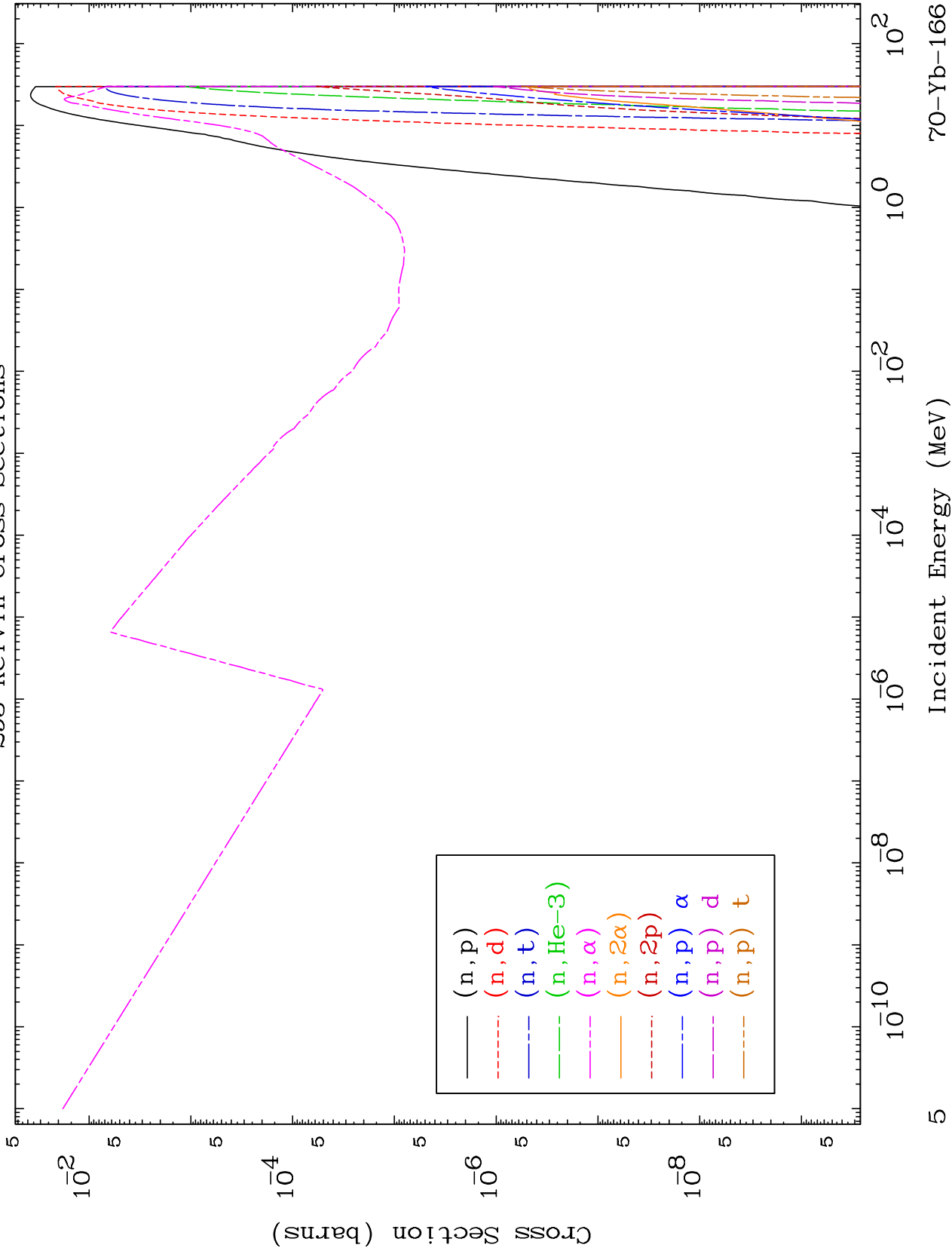
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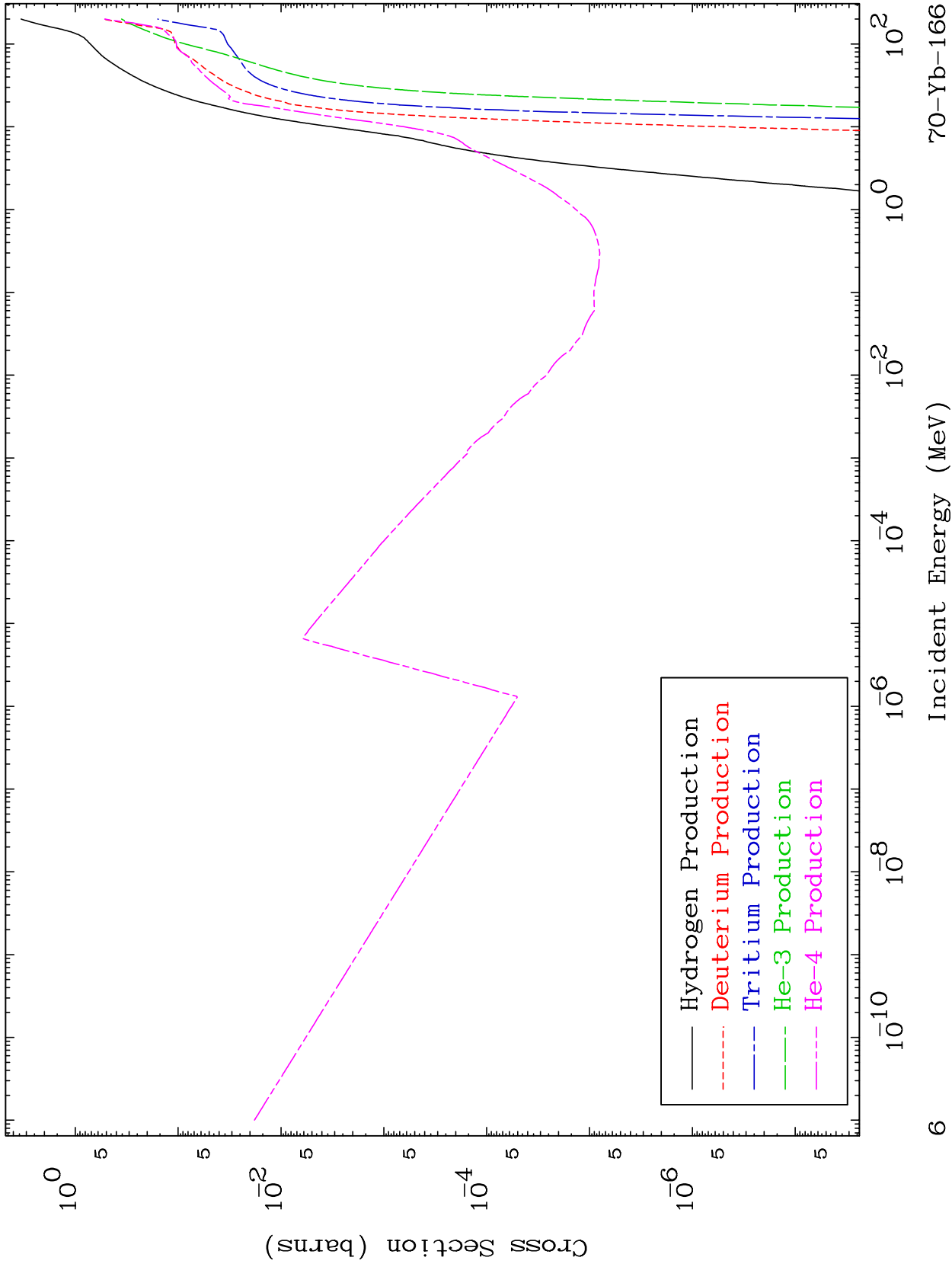


MAT 7019

Charged Particle
293 Kelvin Cross Sections

70-Yb-166

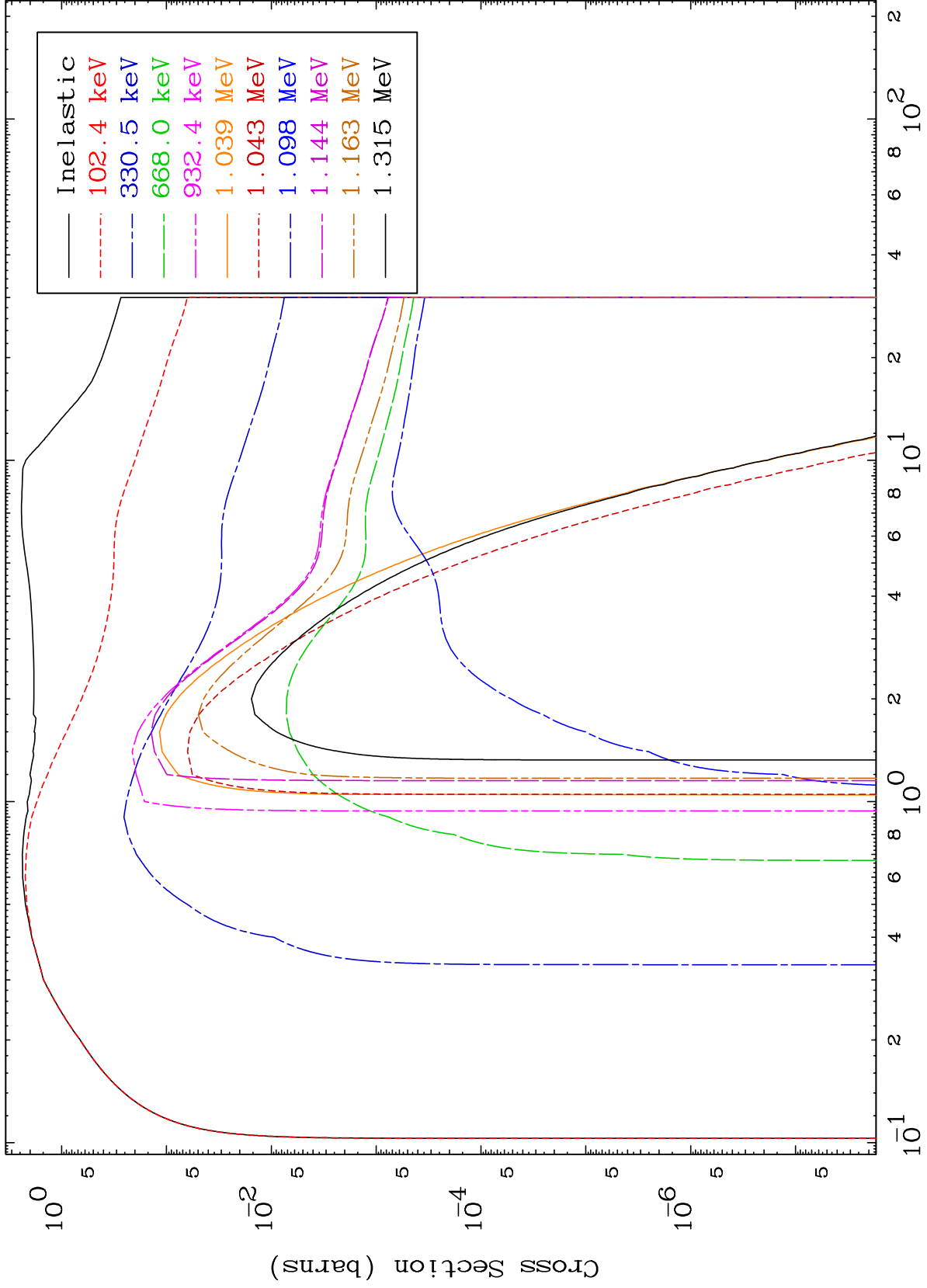




MAT 7019

(n,n') Level
293 Kelvin Cross Sections

70-Yb-166



Incident Energy (MeV)

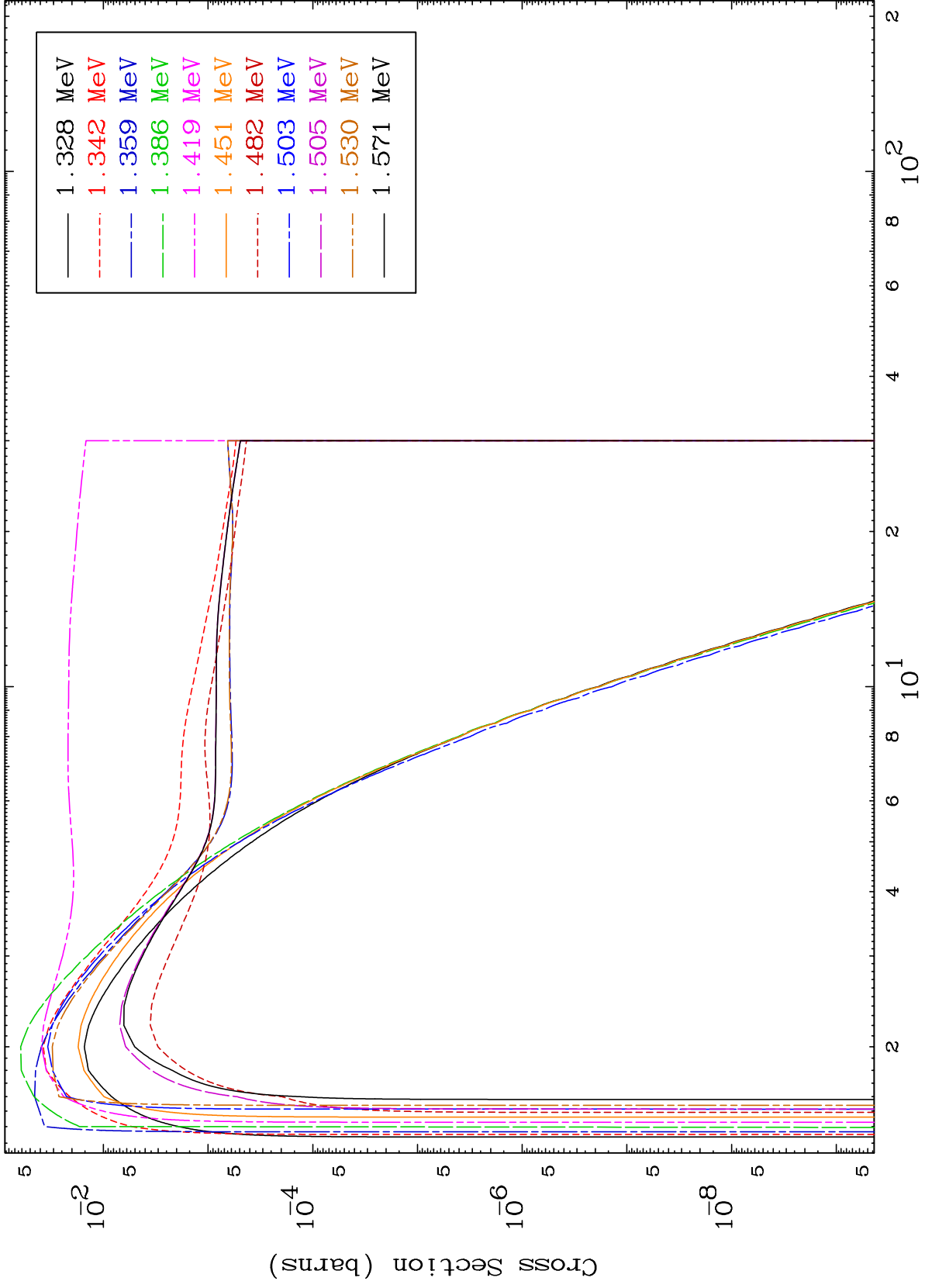
70-Yb-166

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MAT 7019

(n,n') Level
293 Kelvin Cross Sections

70-Yb-166

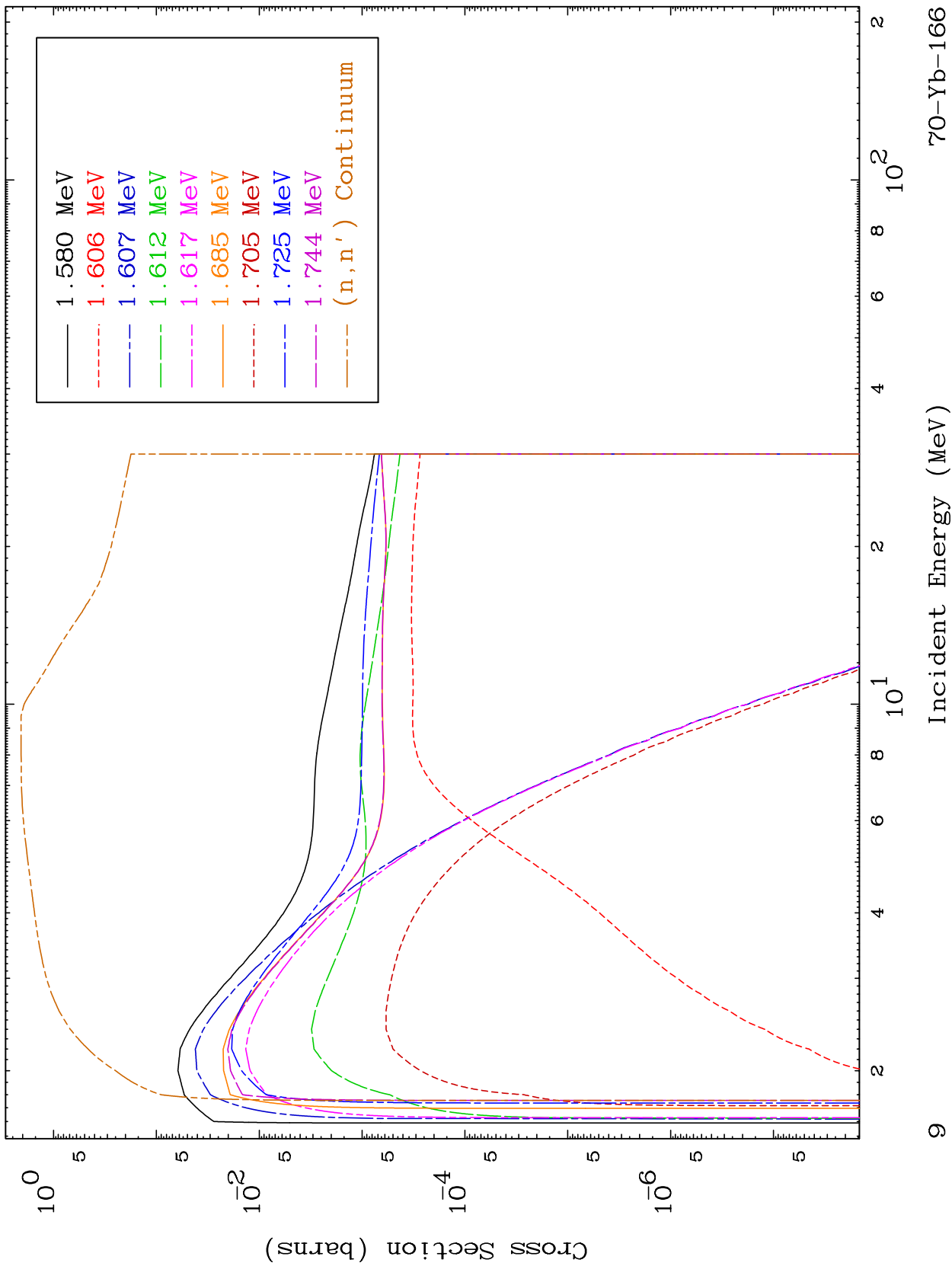


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Incident Energy (MeV)

70-Yb-166

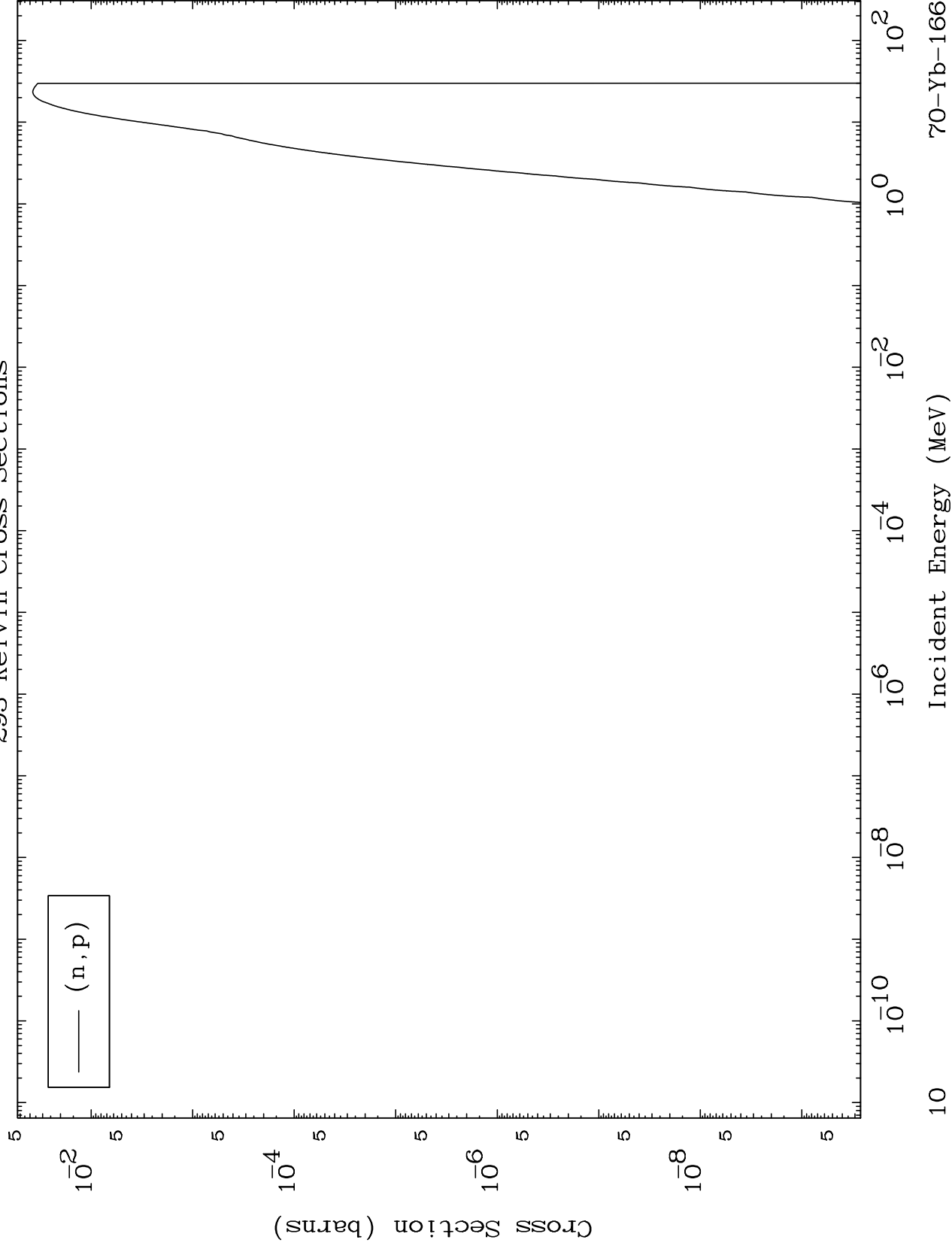
293 Kelvin Cross Sections



MAT 7019

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-166



10

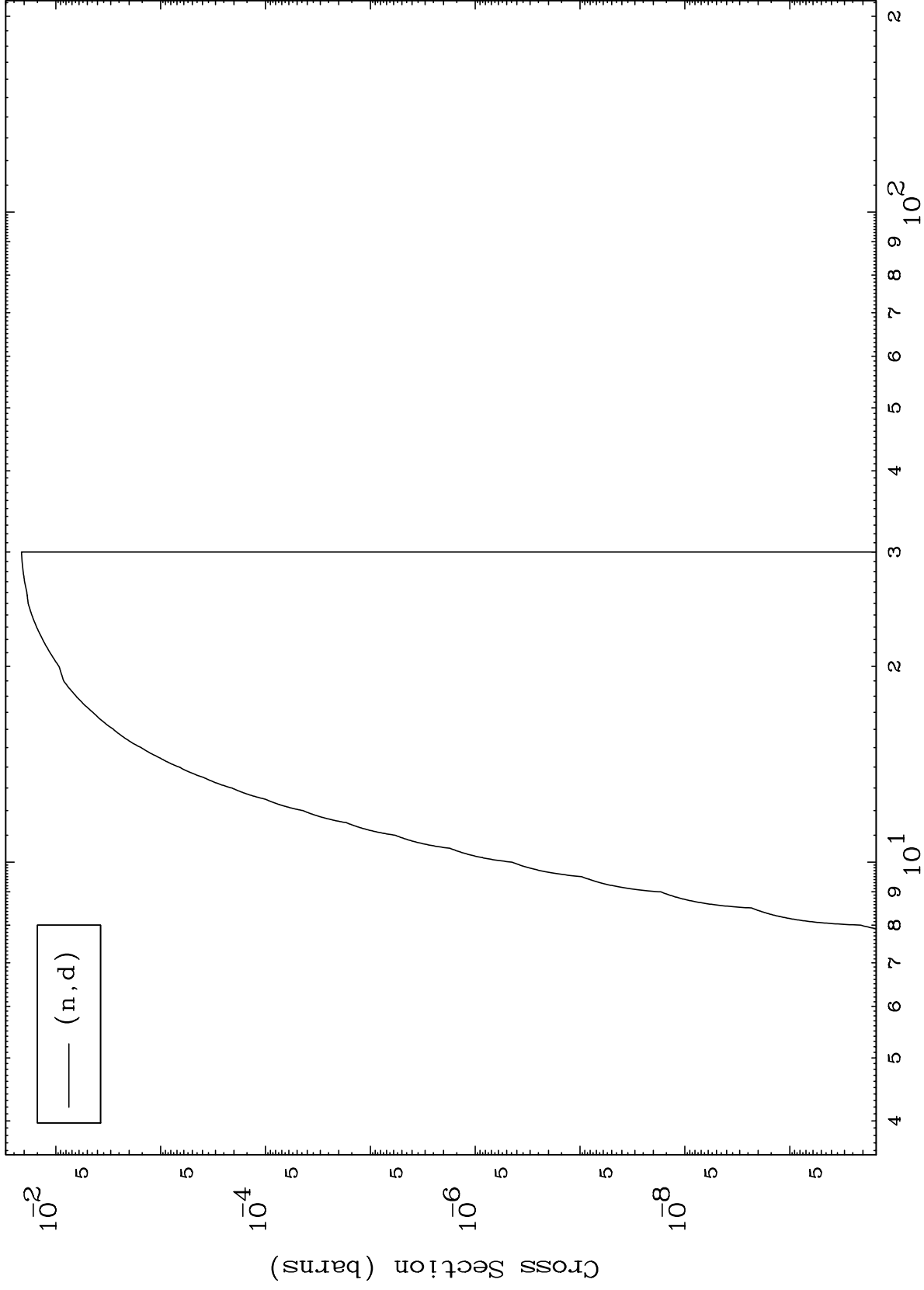
Incident Energy (MeV)

70-Yb-166

MAT 7019

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-166



11

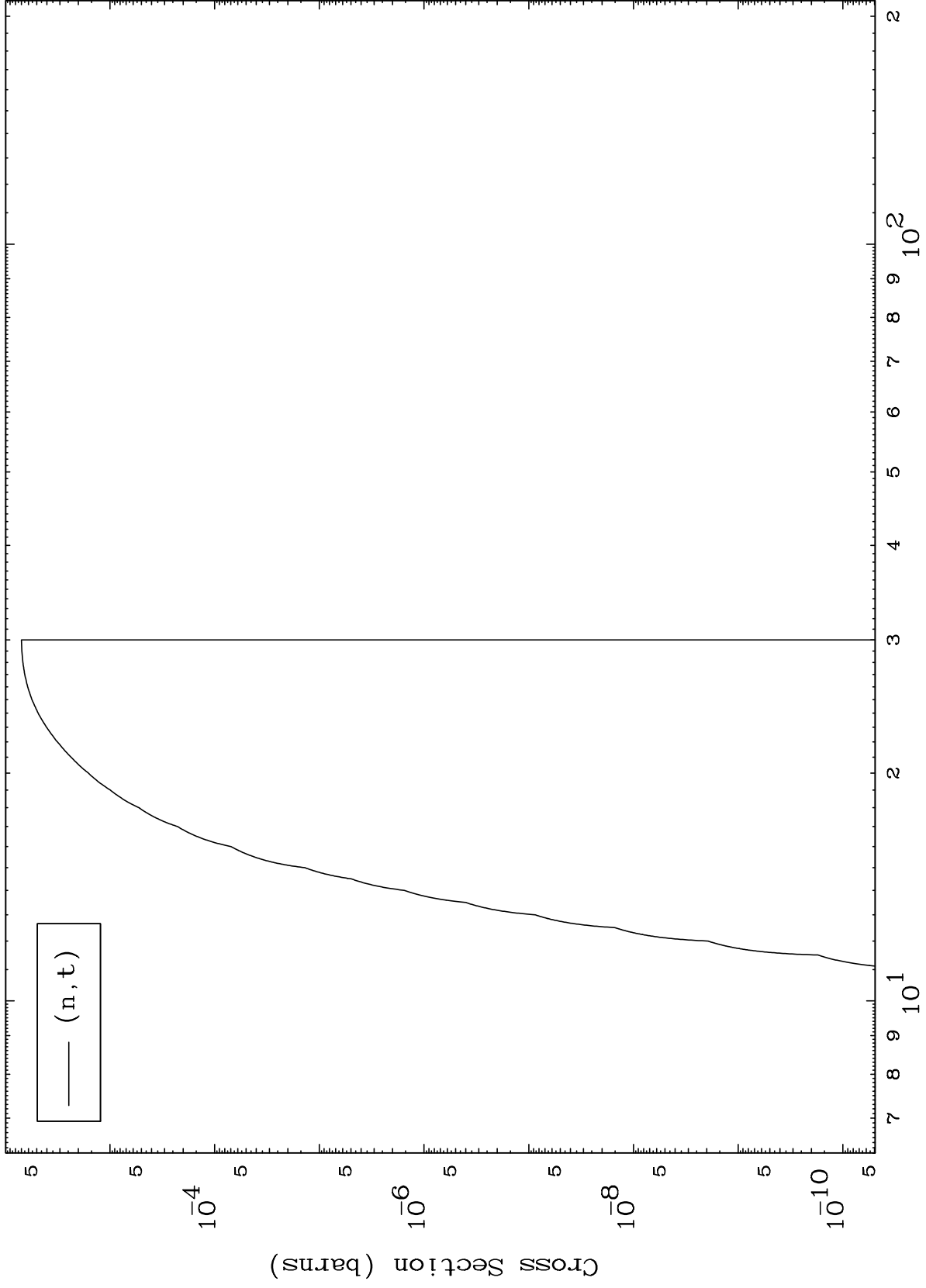
Incident Energy (MeV)

70-Yb-166

MAT 7019

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-166



12

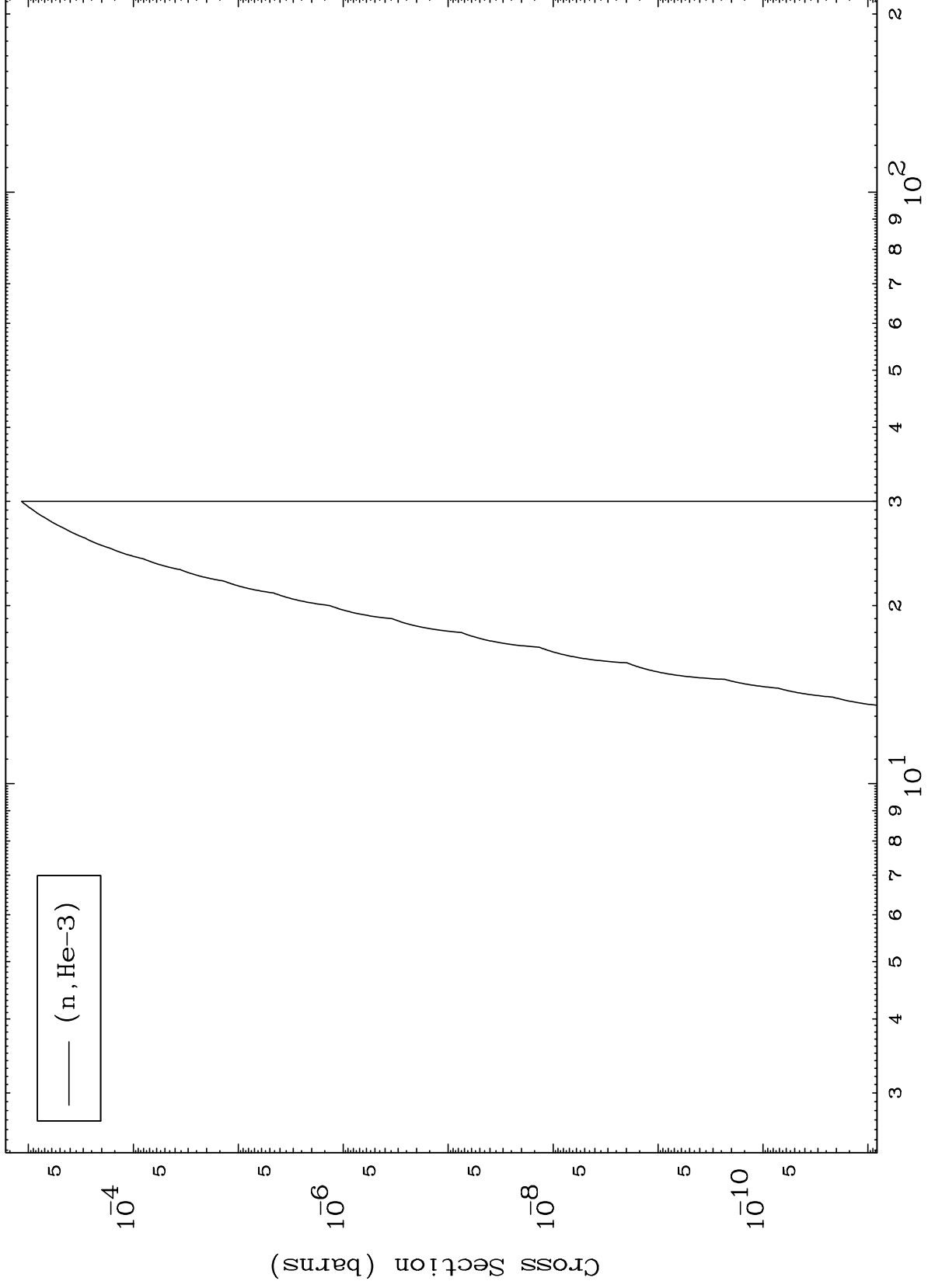
Incident Energy (MeV)

70-Yb-166

MAT 7019

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-166



13

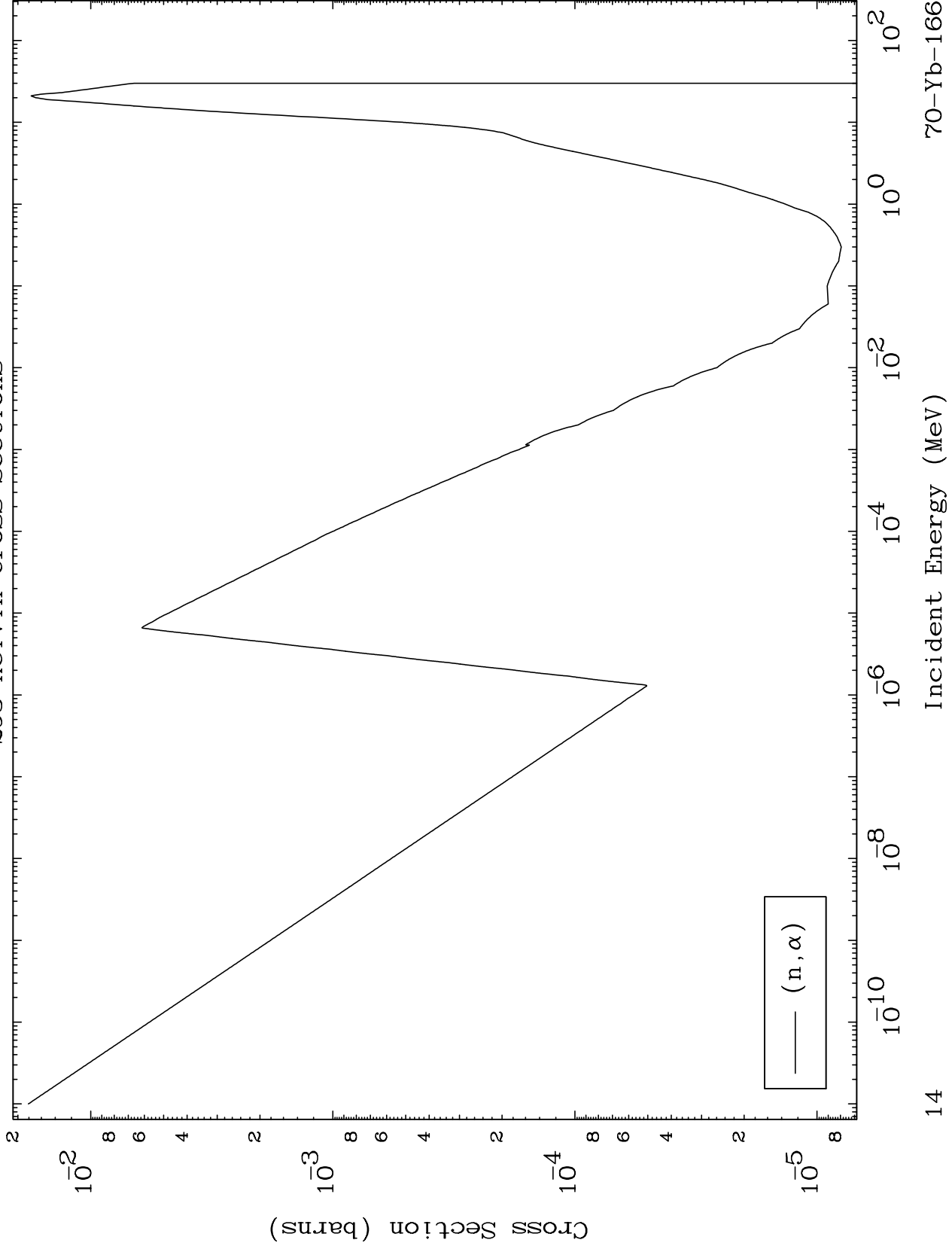
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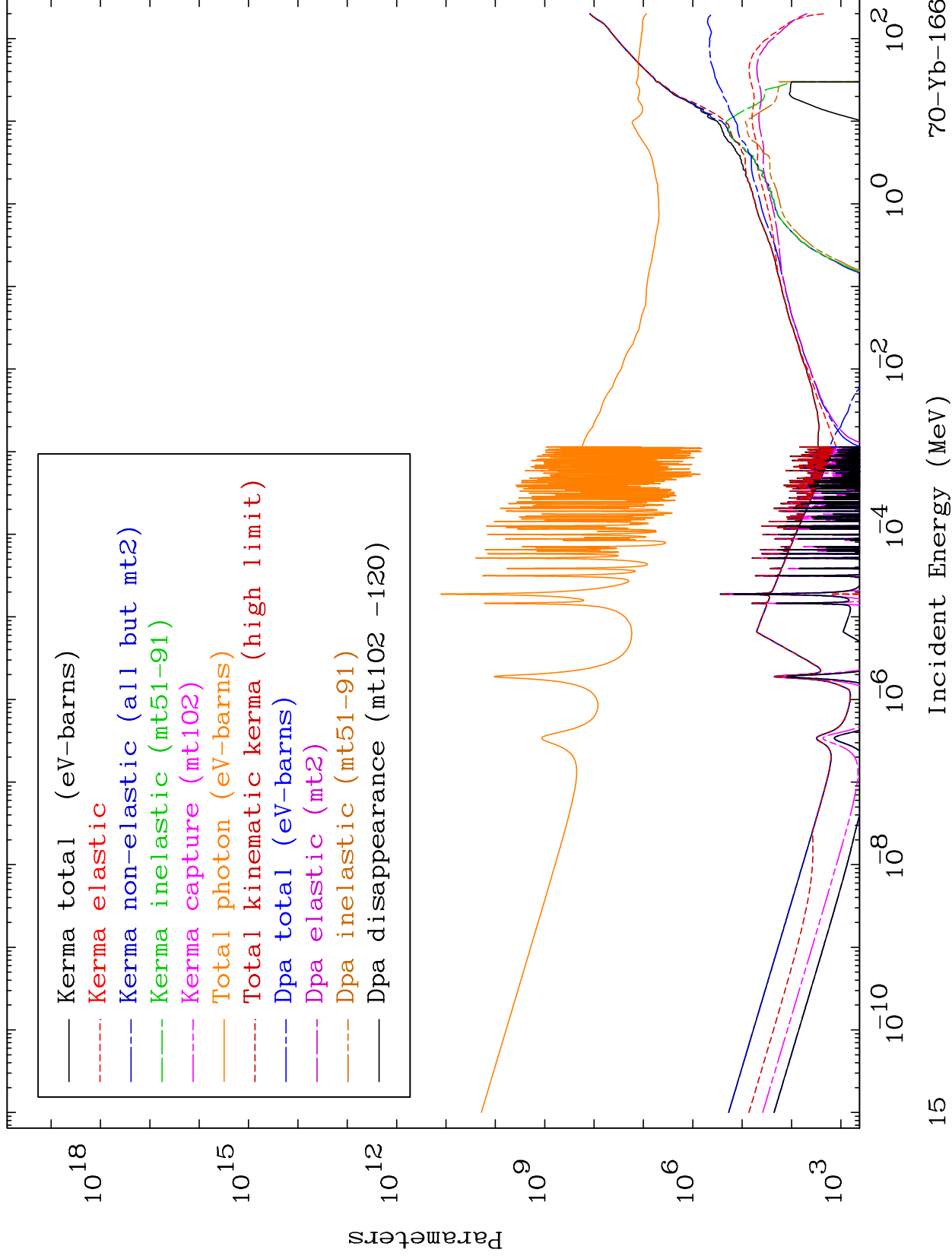
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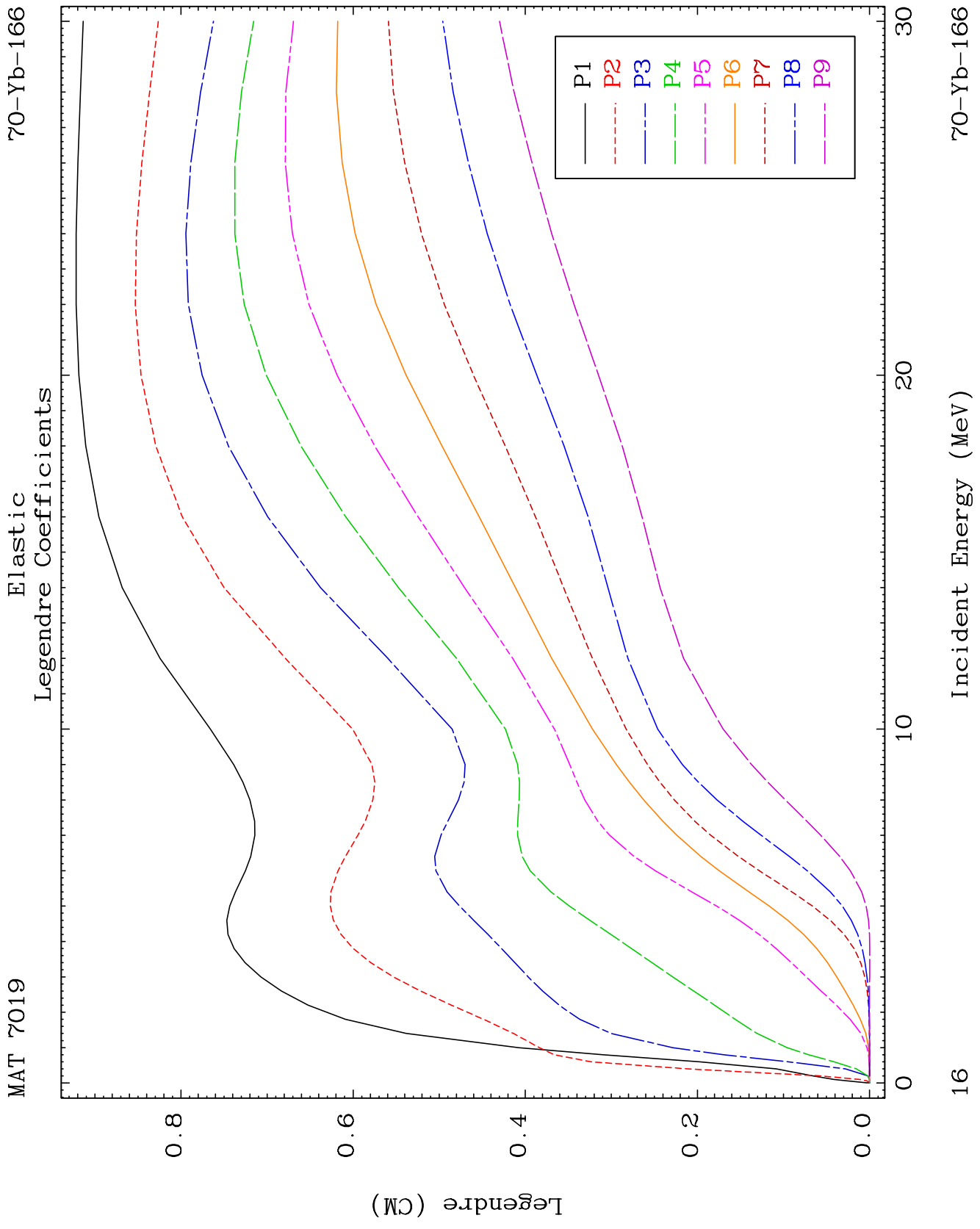
MAT 7019

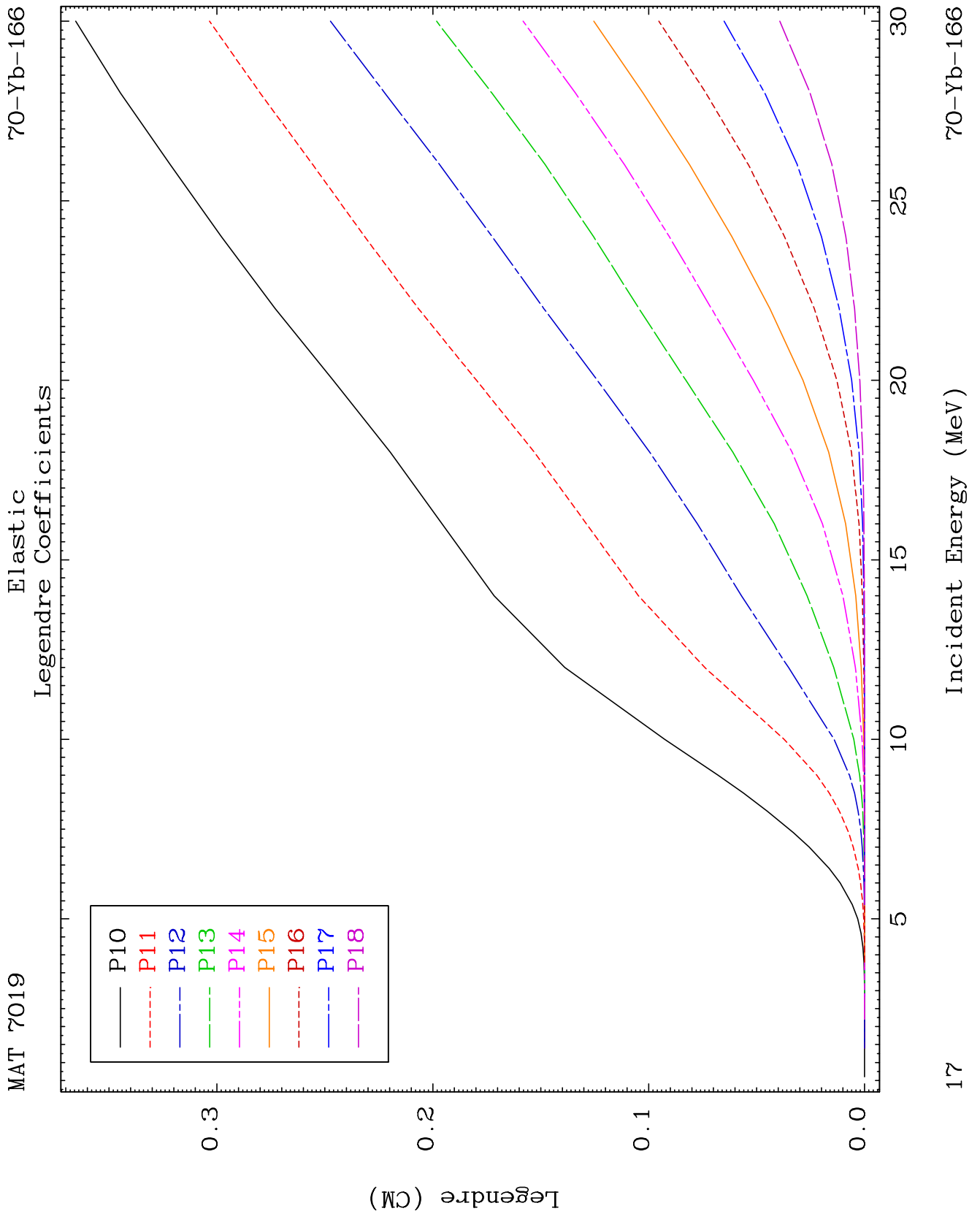
(n, α) Levels
293 Kelvin Cross Sections

70-Yb-166





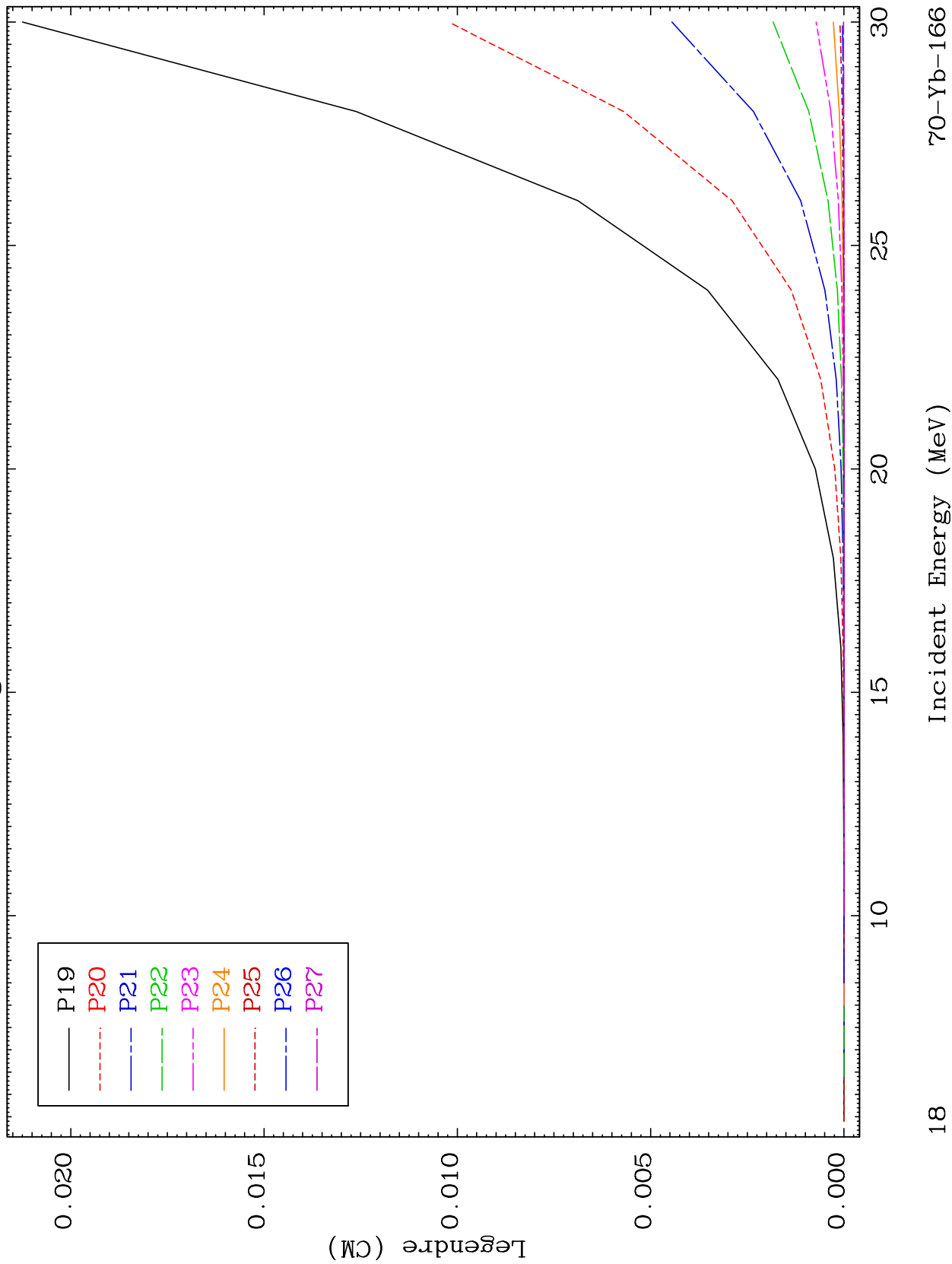




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Elastic Legendre Coefficients

70-Yb-166



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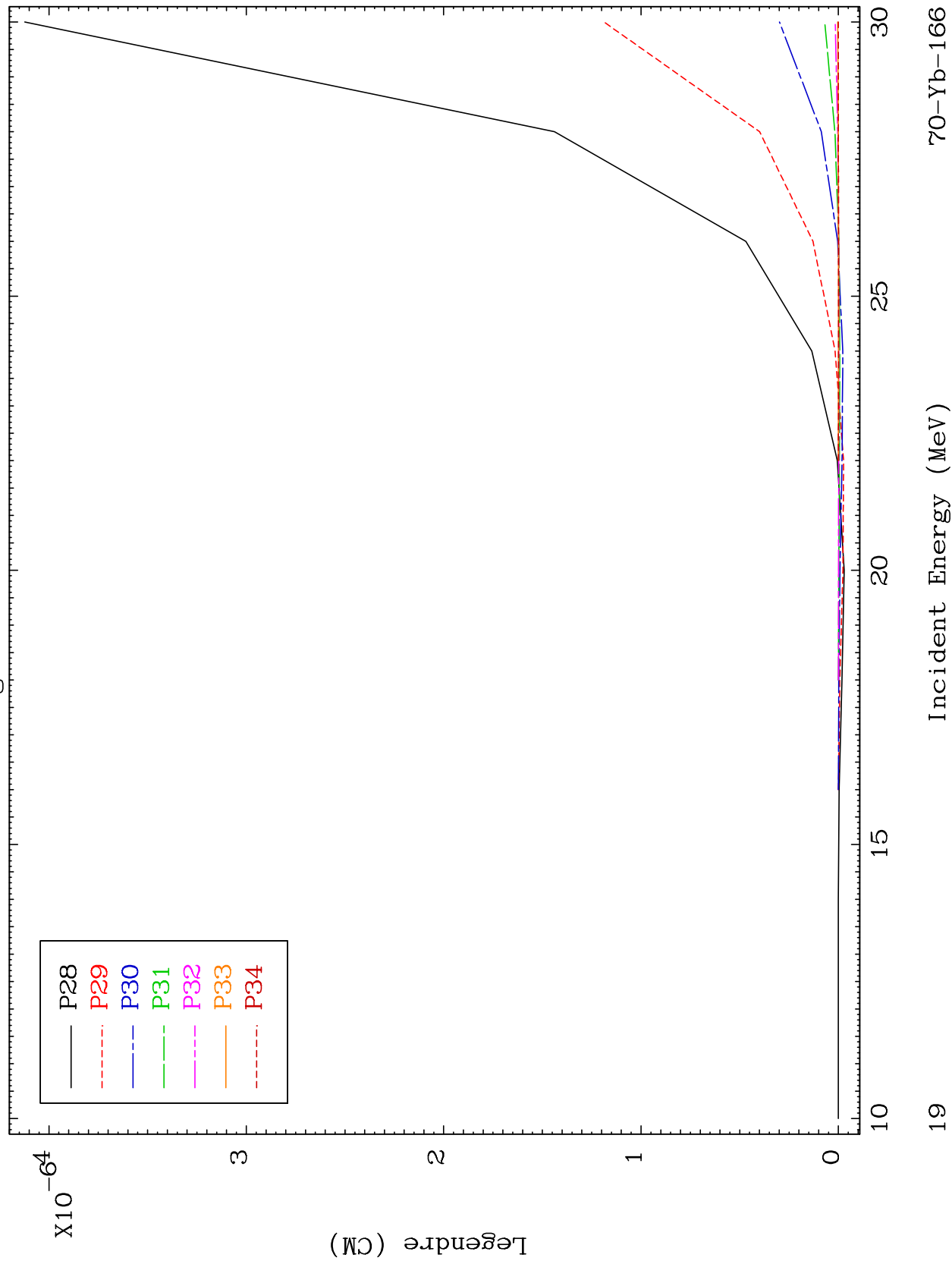
Incident Energy (MeV)

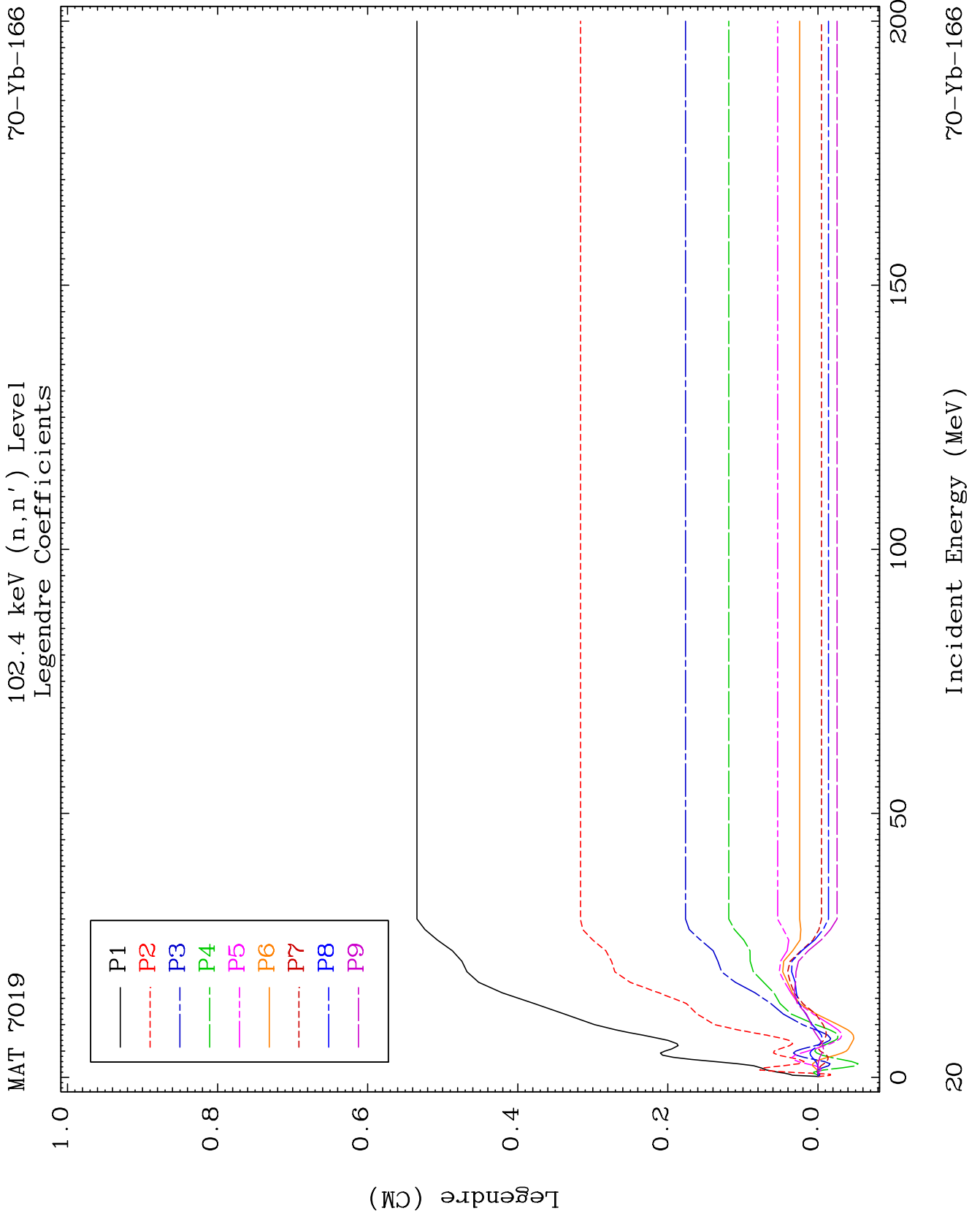
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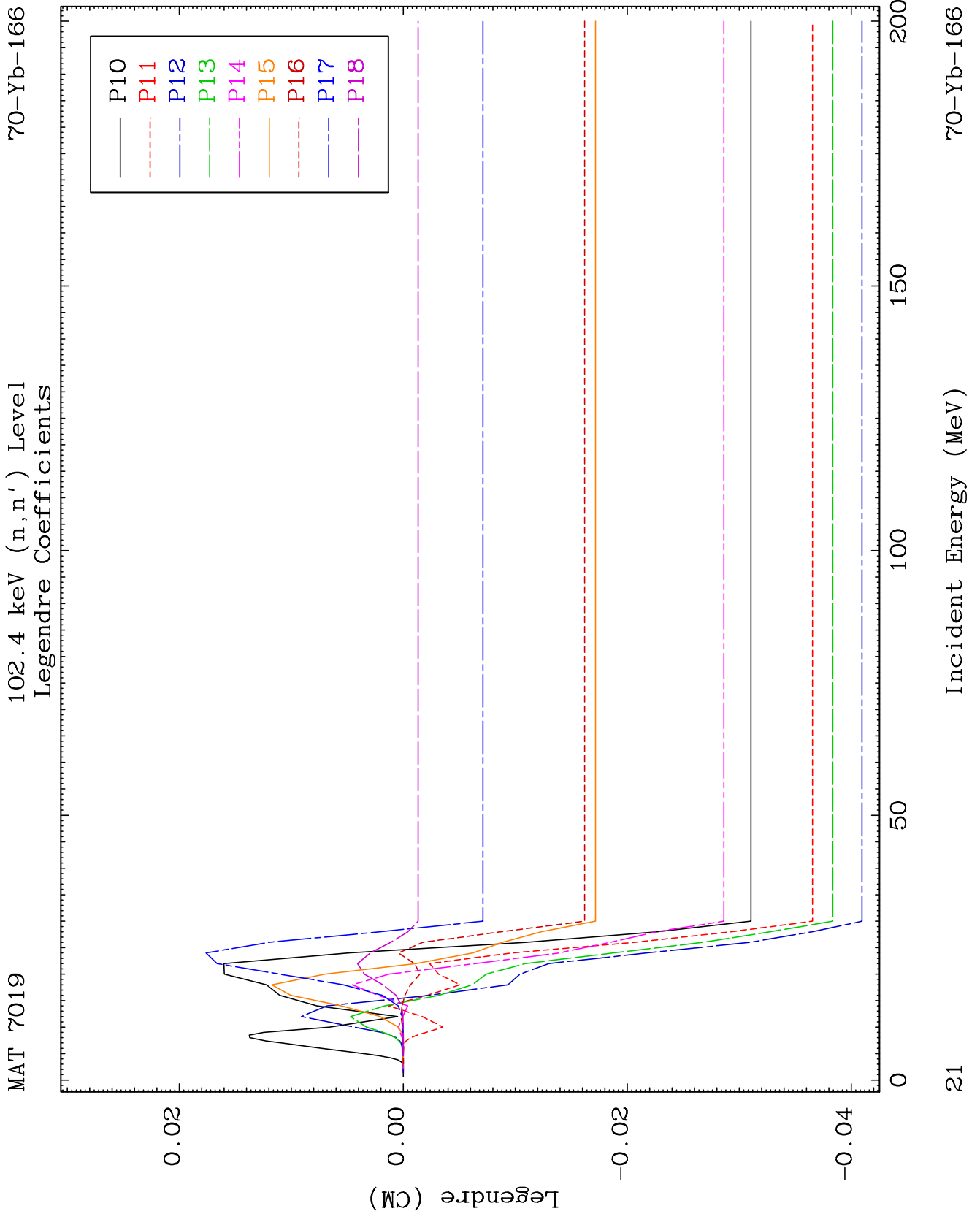
MAT 7019

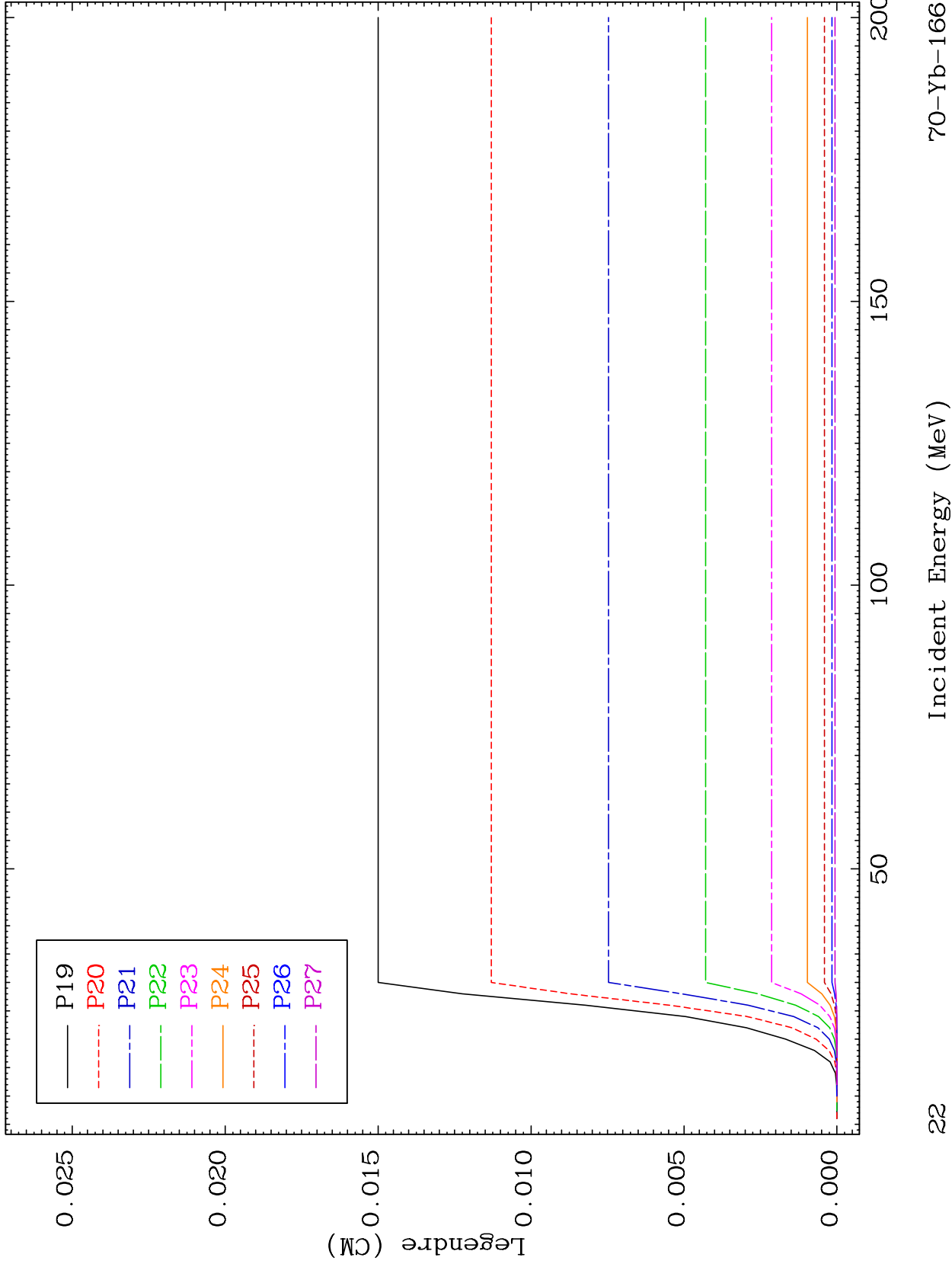
Elastic Legendre Coefficients

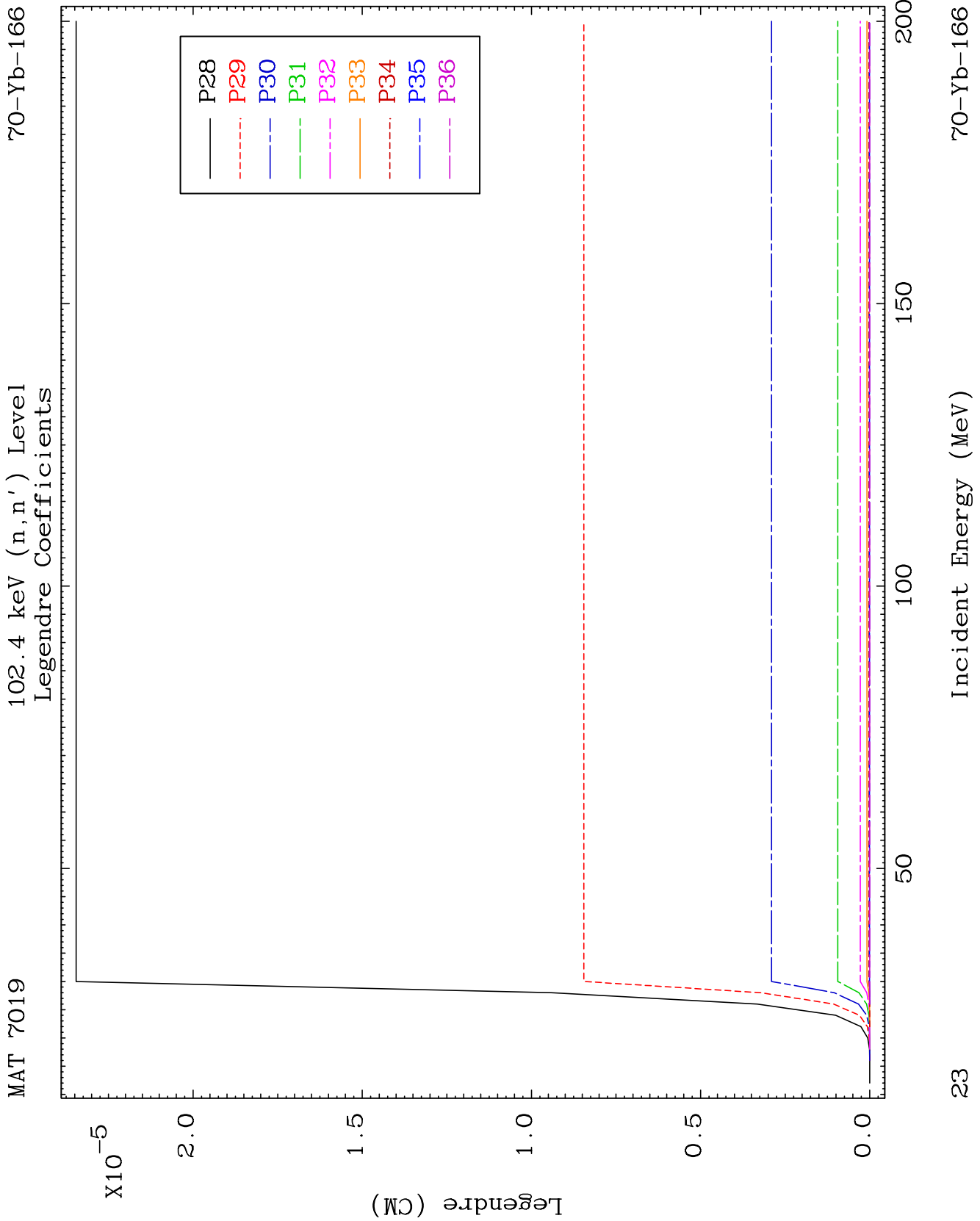
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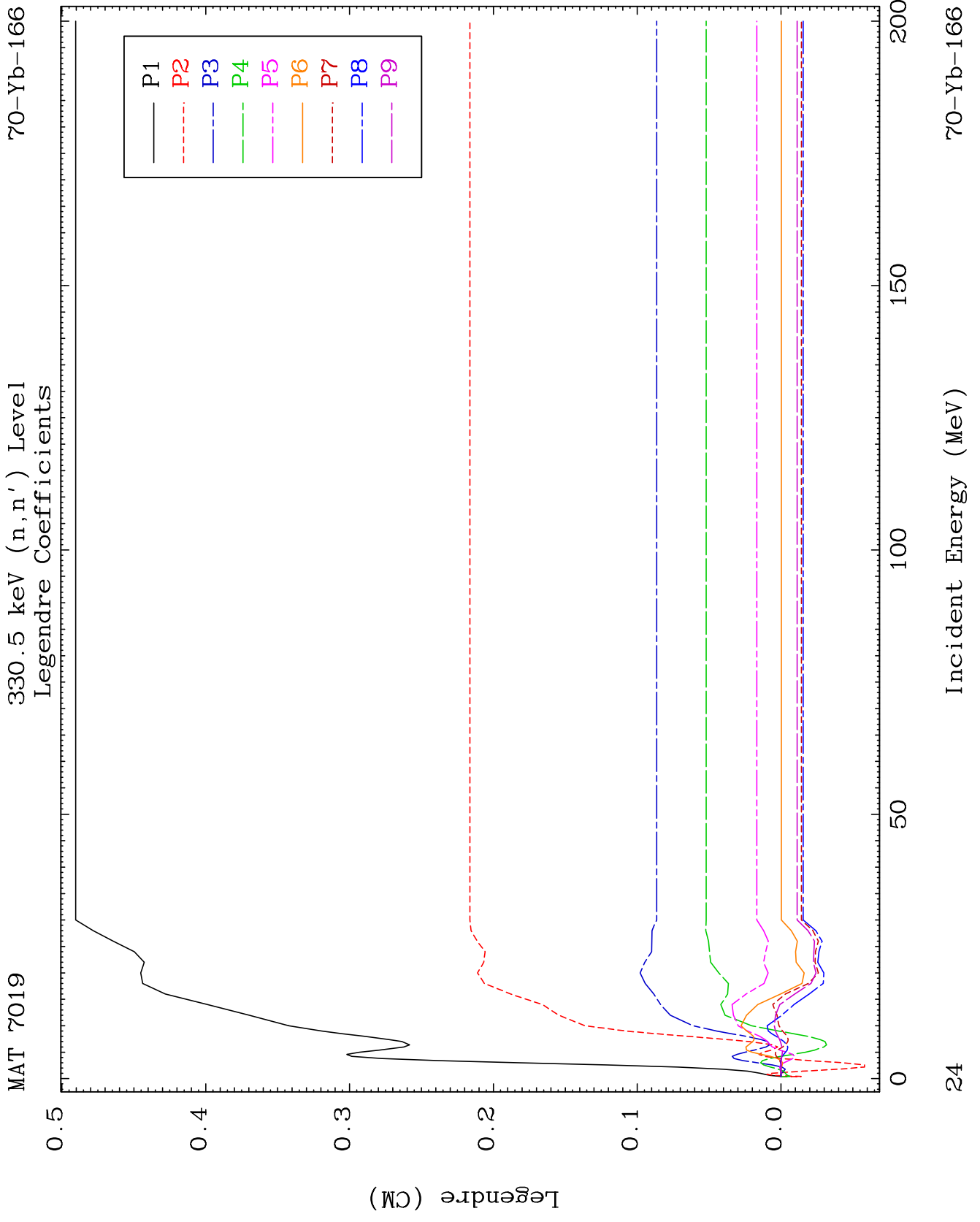








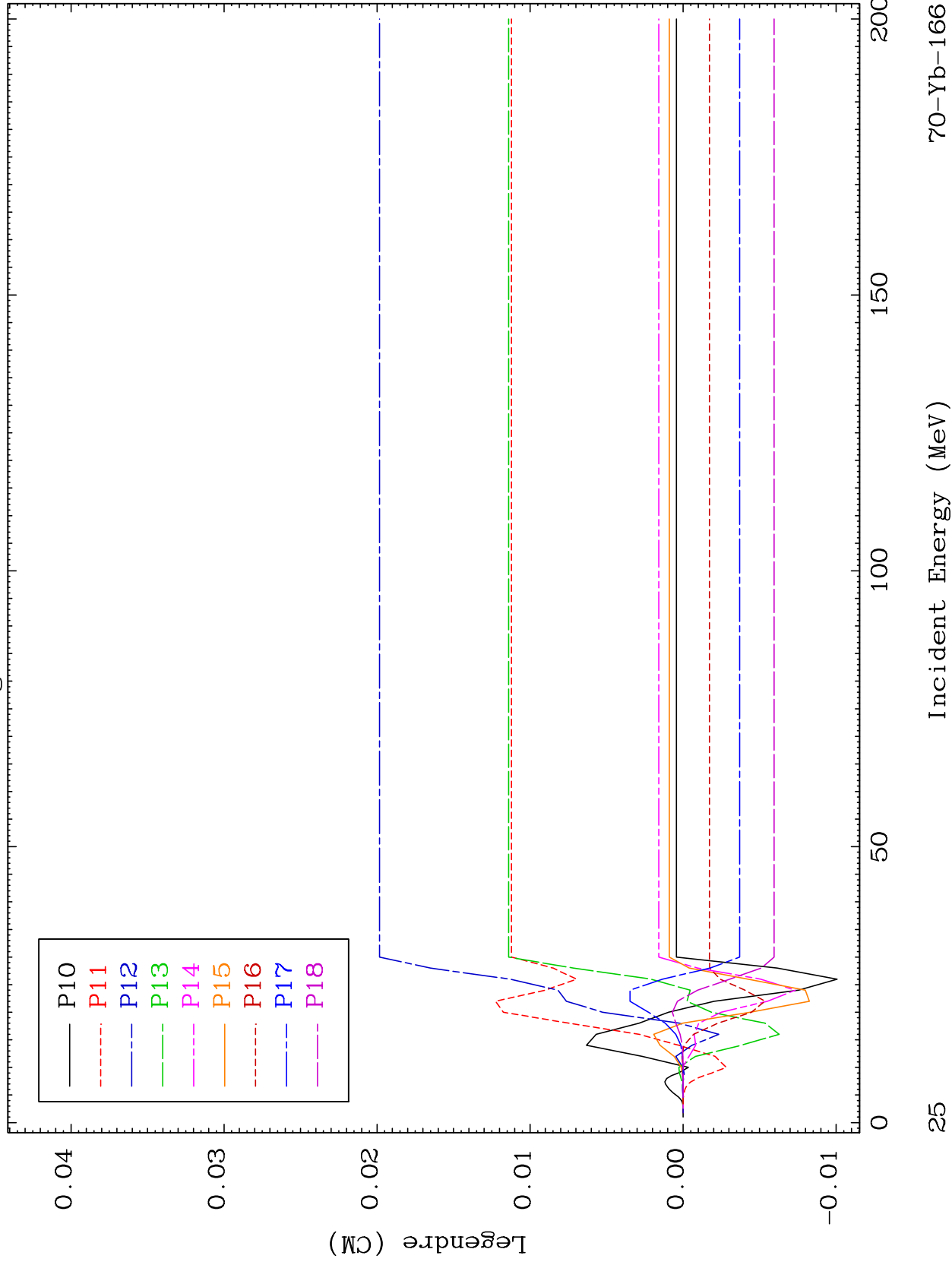




MAT 7019

330.5 keV (n,n') Level
Legendre Coefficients

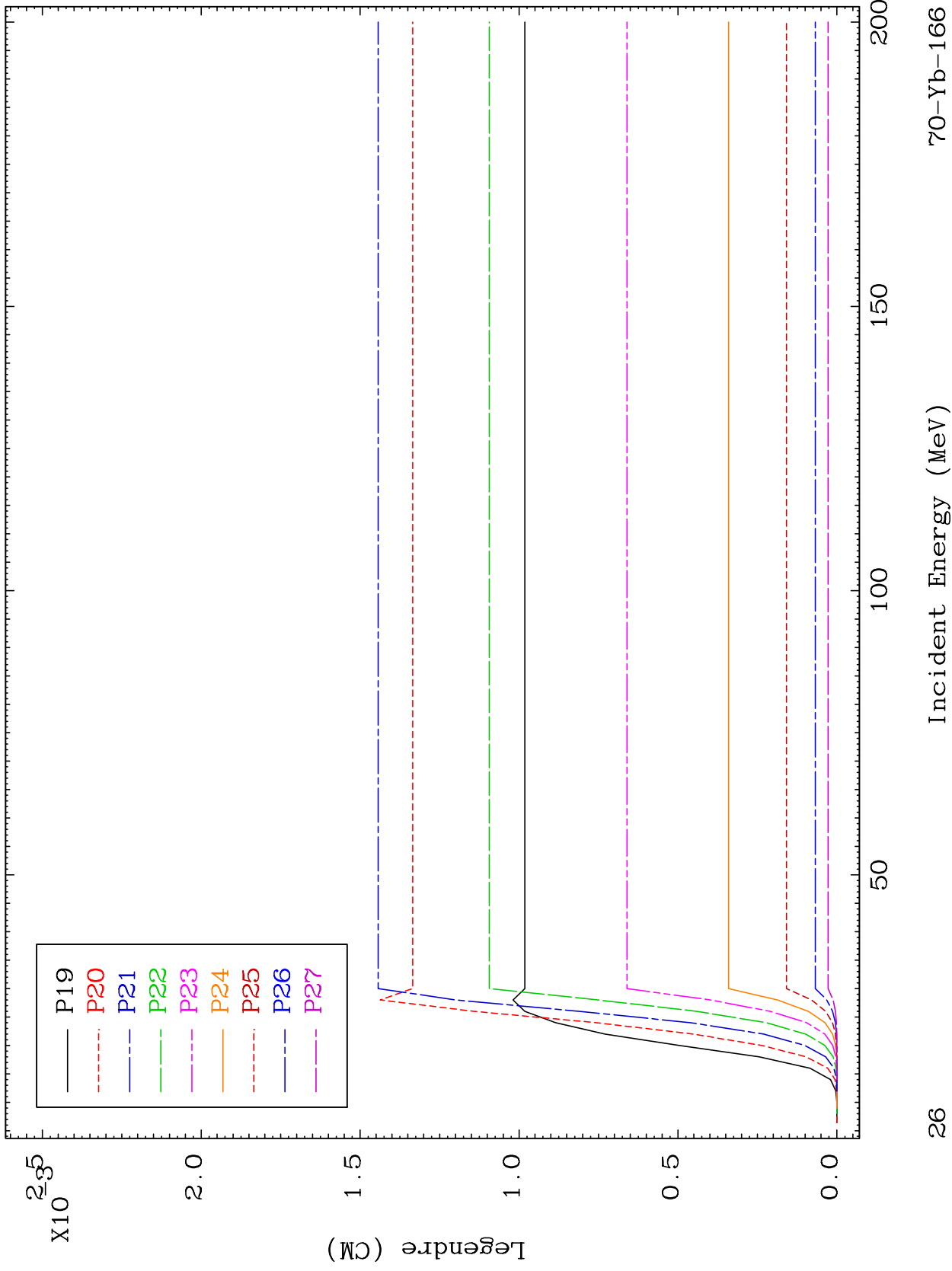
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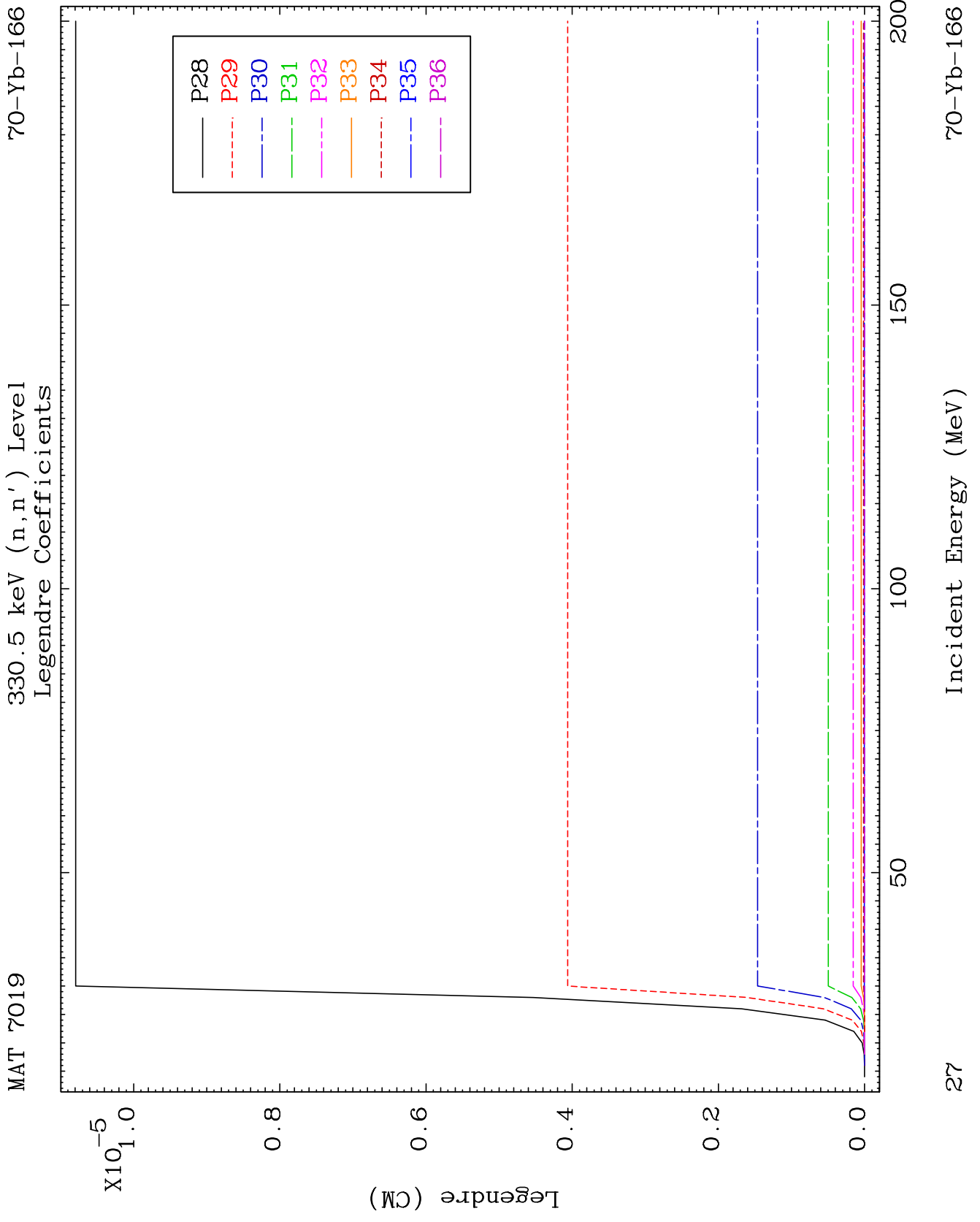


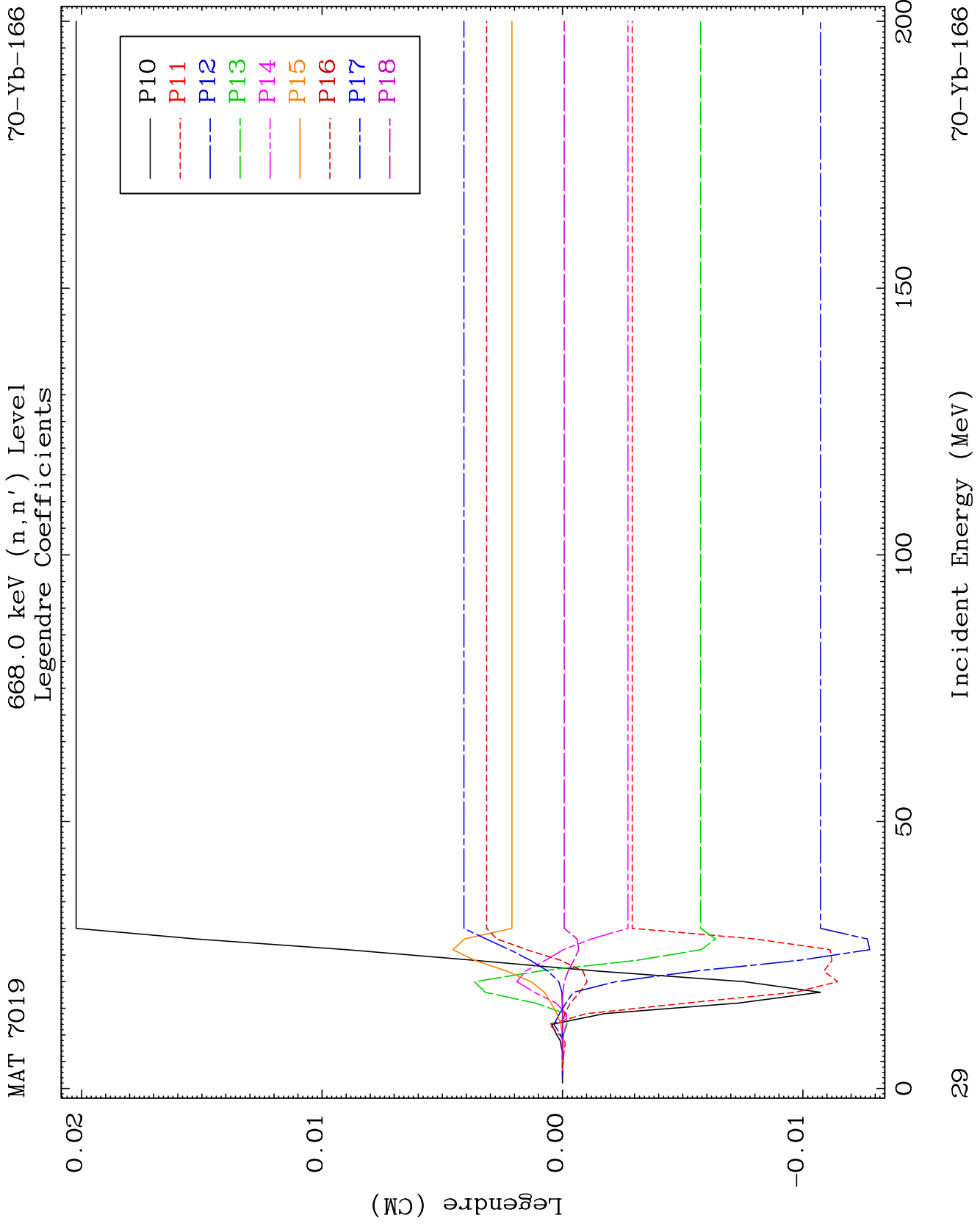
70-Yb-166

Incident Energy (MeV)

25



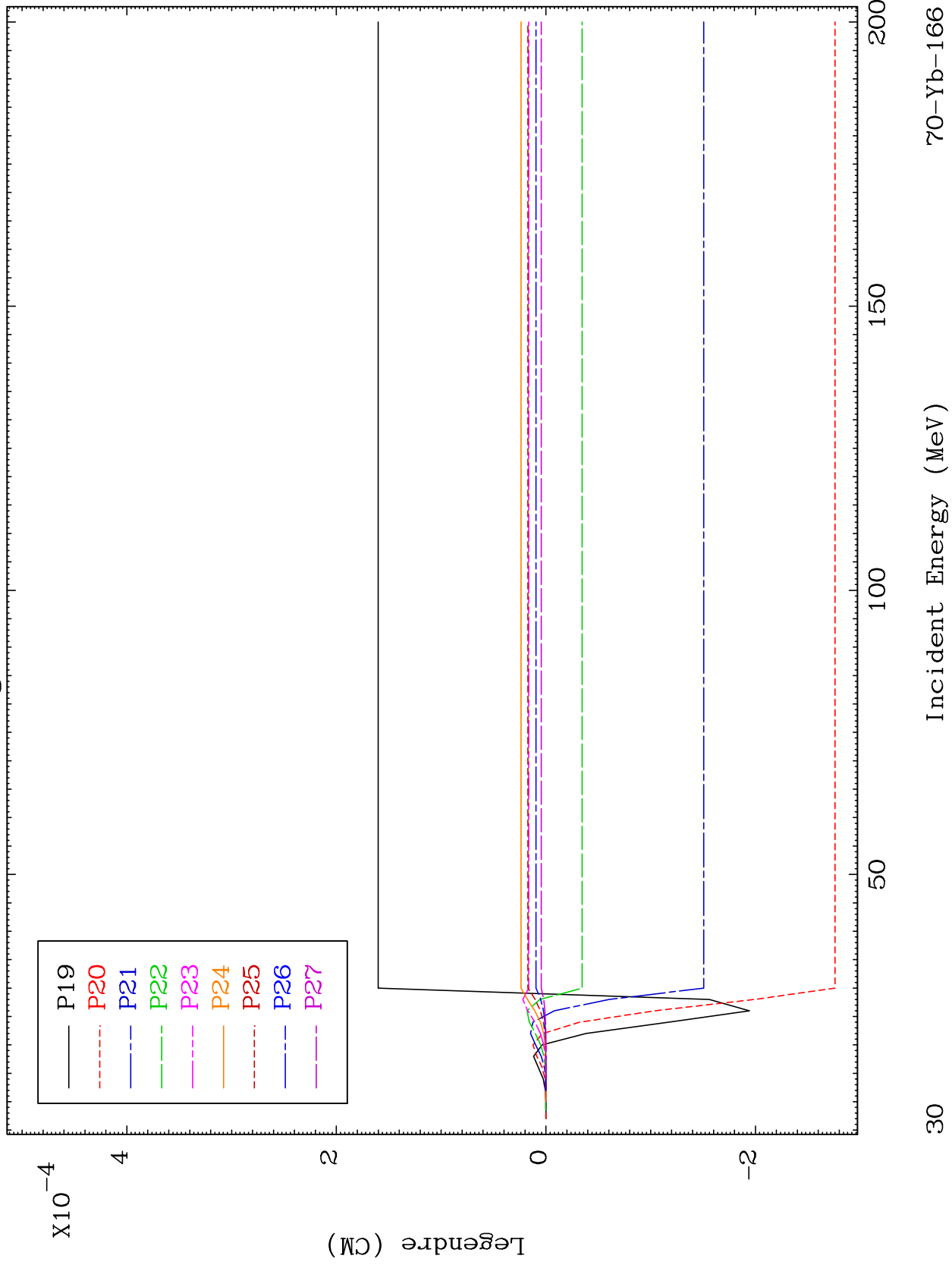




MAT 7019

668.0 keV (n,n') Level
Legendre Coefficients

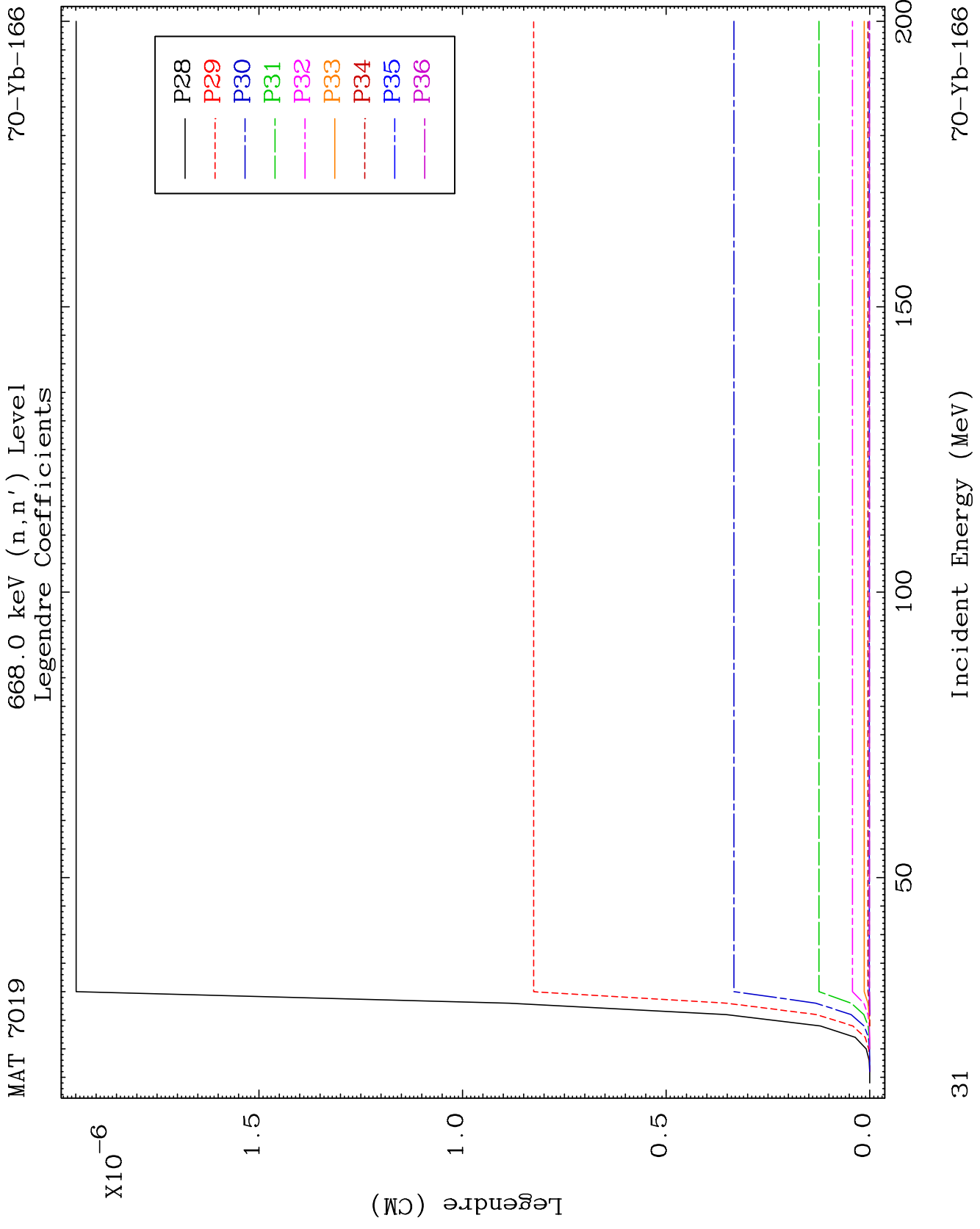
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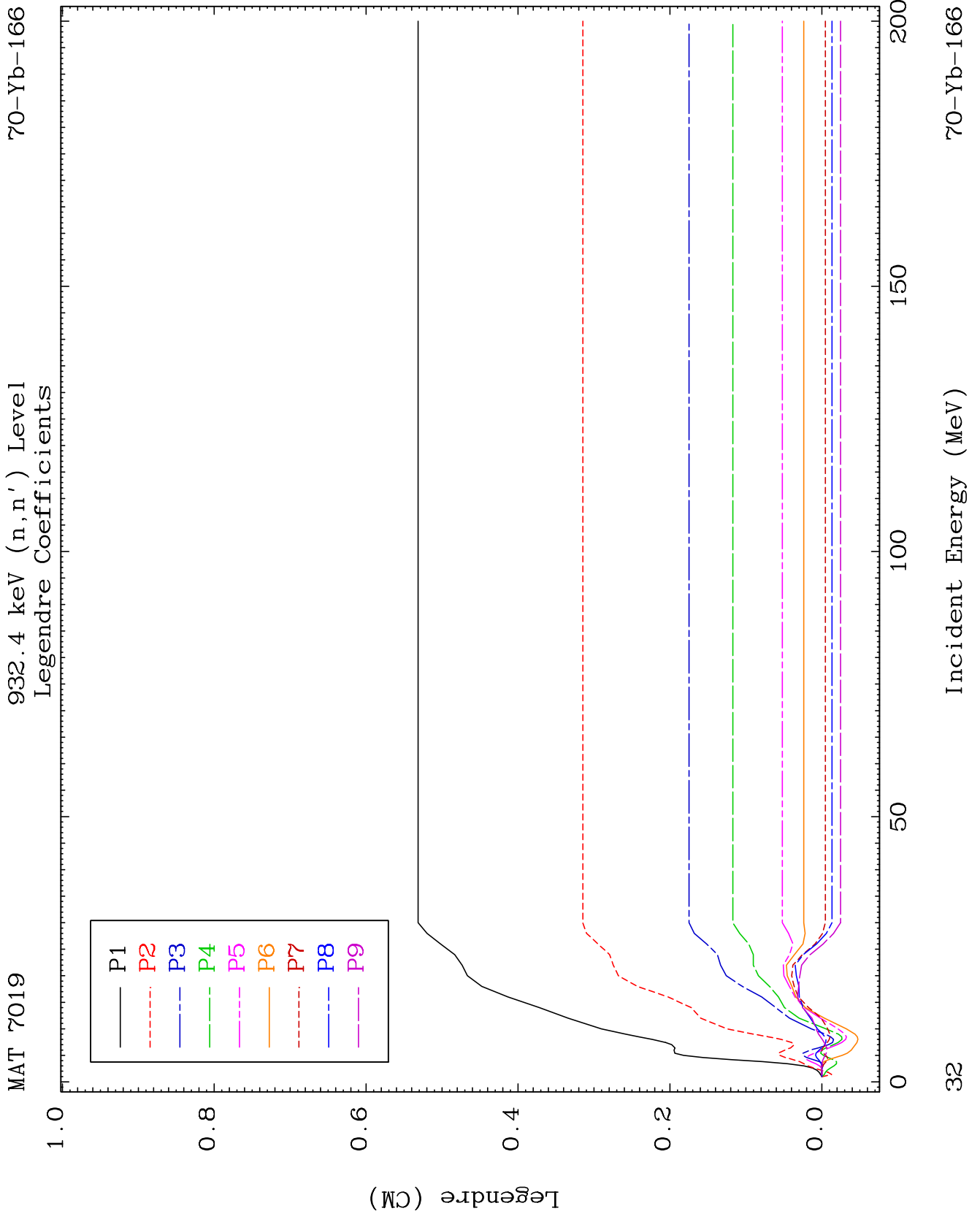


30

Incident Energy (MeV)

70-Yb-166

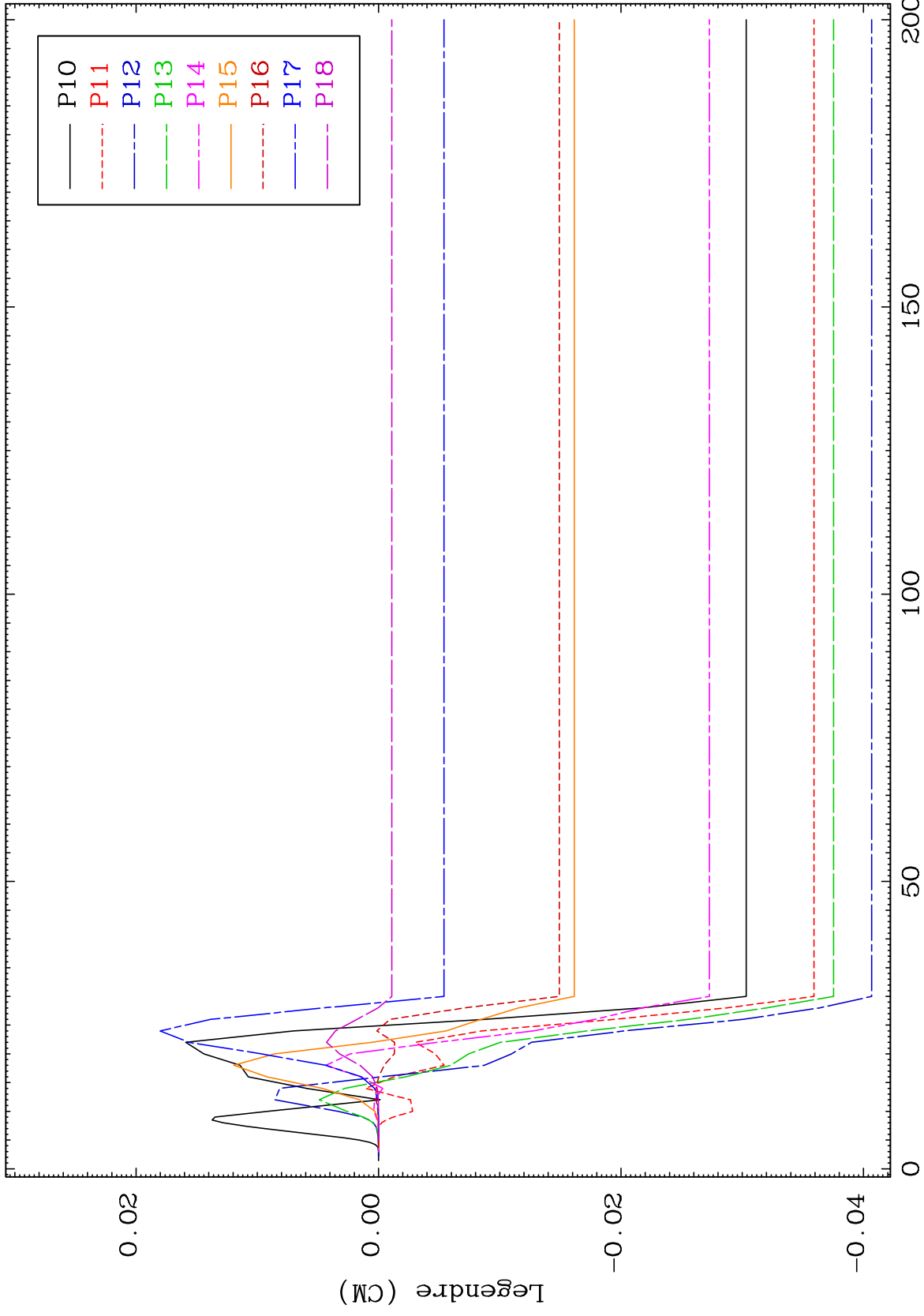




MAT 7019

932.4 keV (n,n') Level
Legendre Coefficients

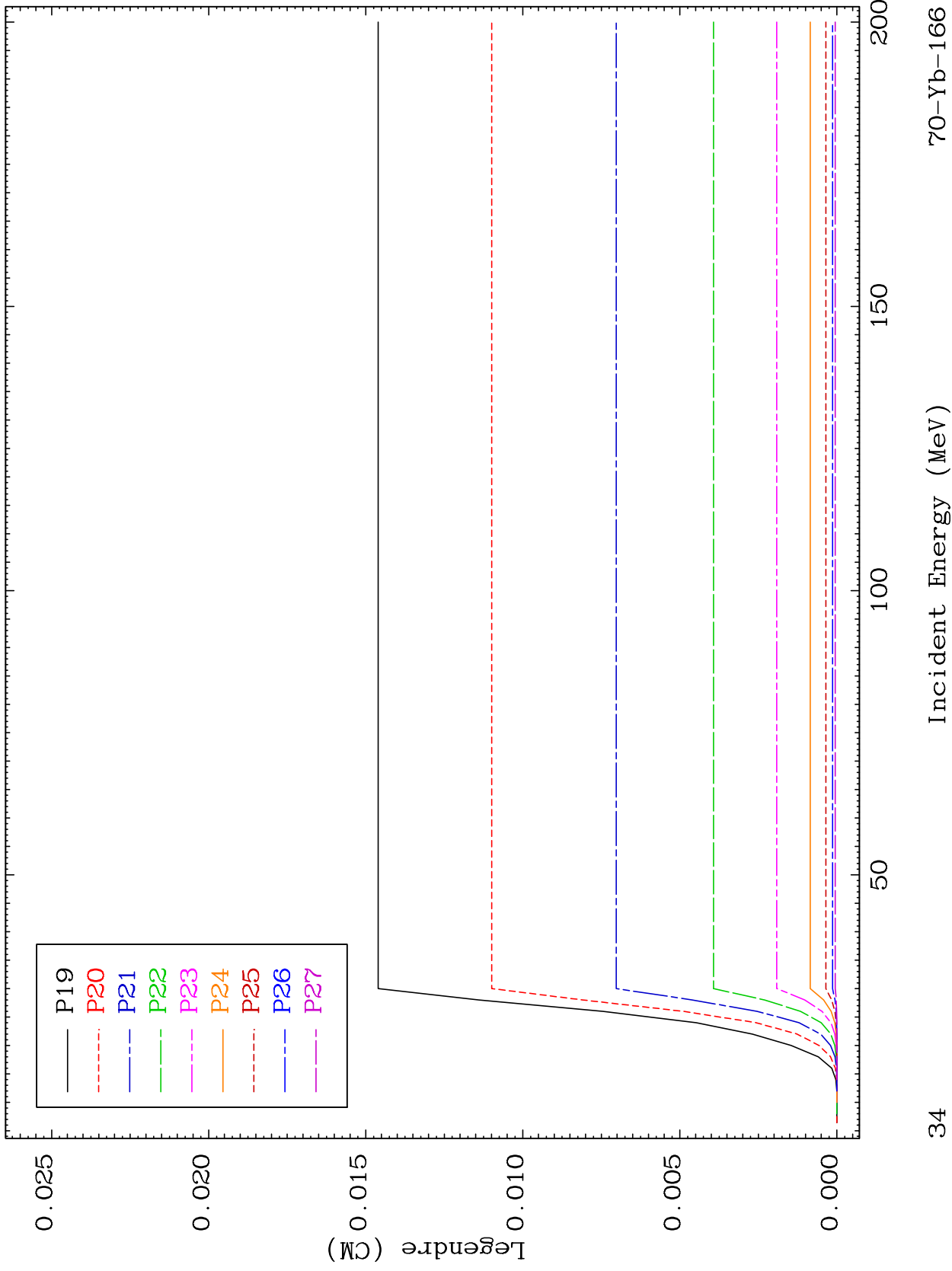
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33

Incident Energy (MeV)

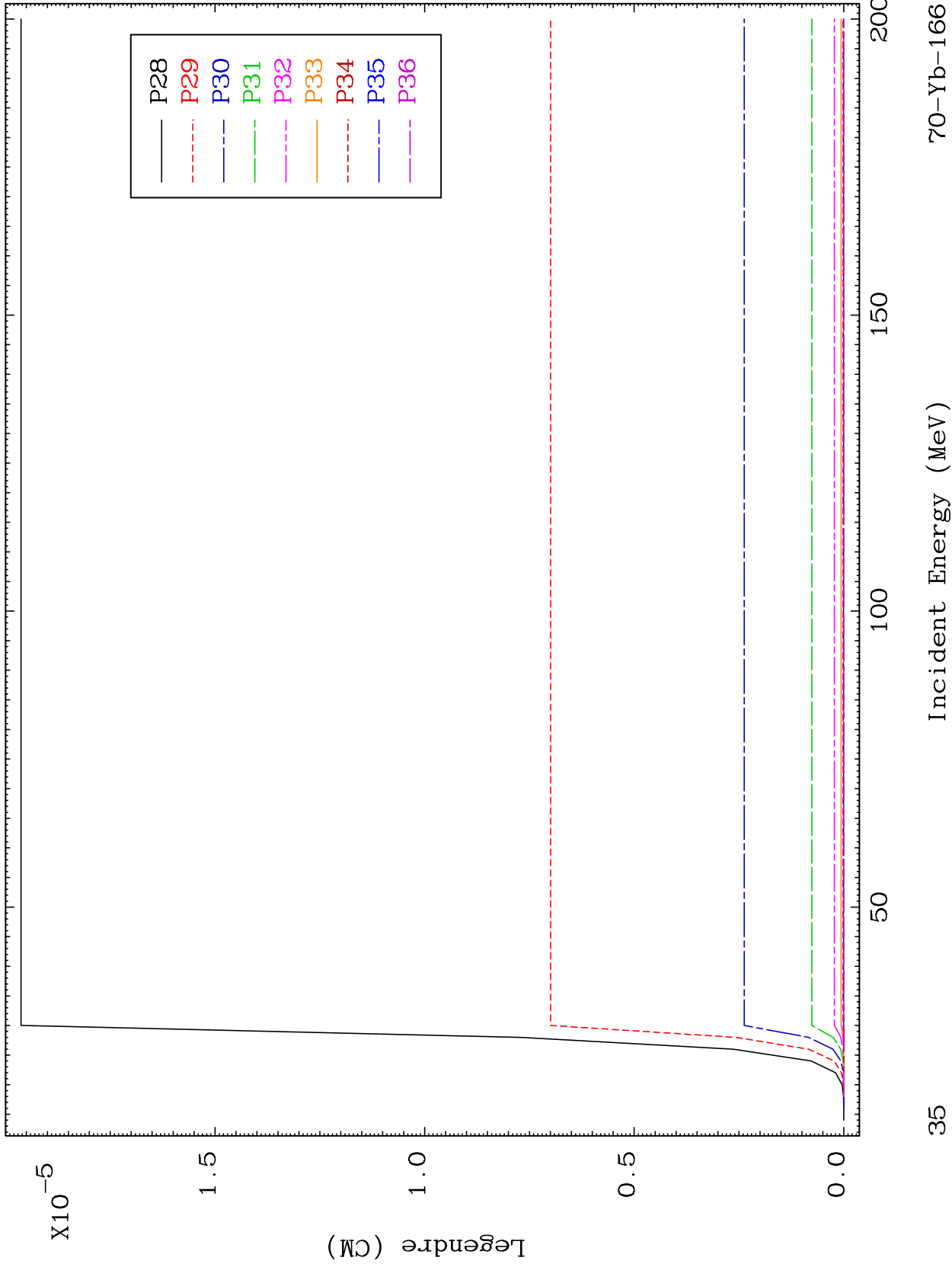
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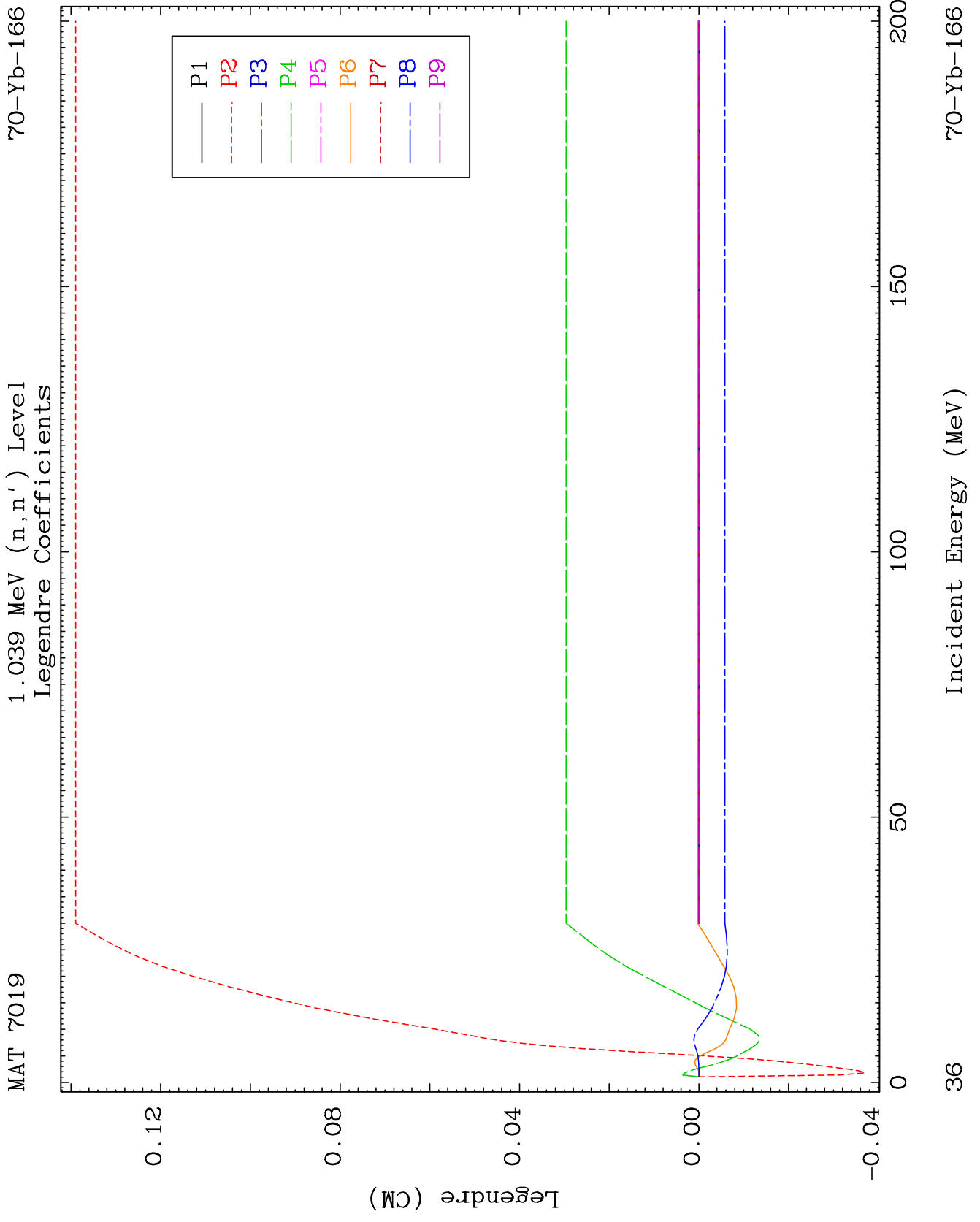


MAT 7019

932.4 keV (n,n') Level
Legendre Coefficients

70-Yb-166

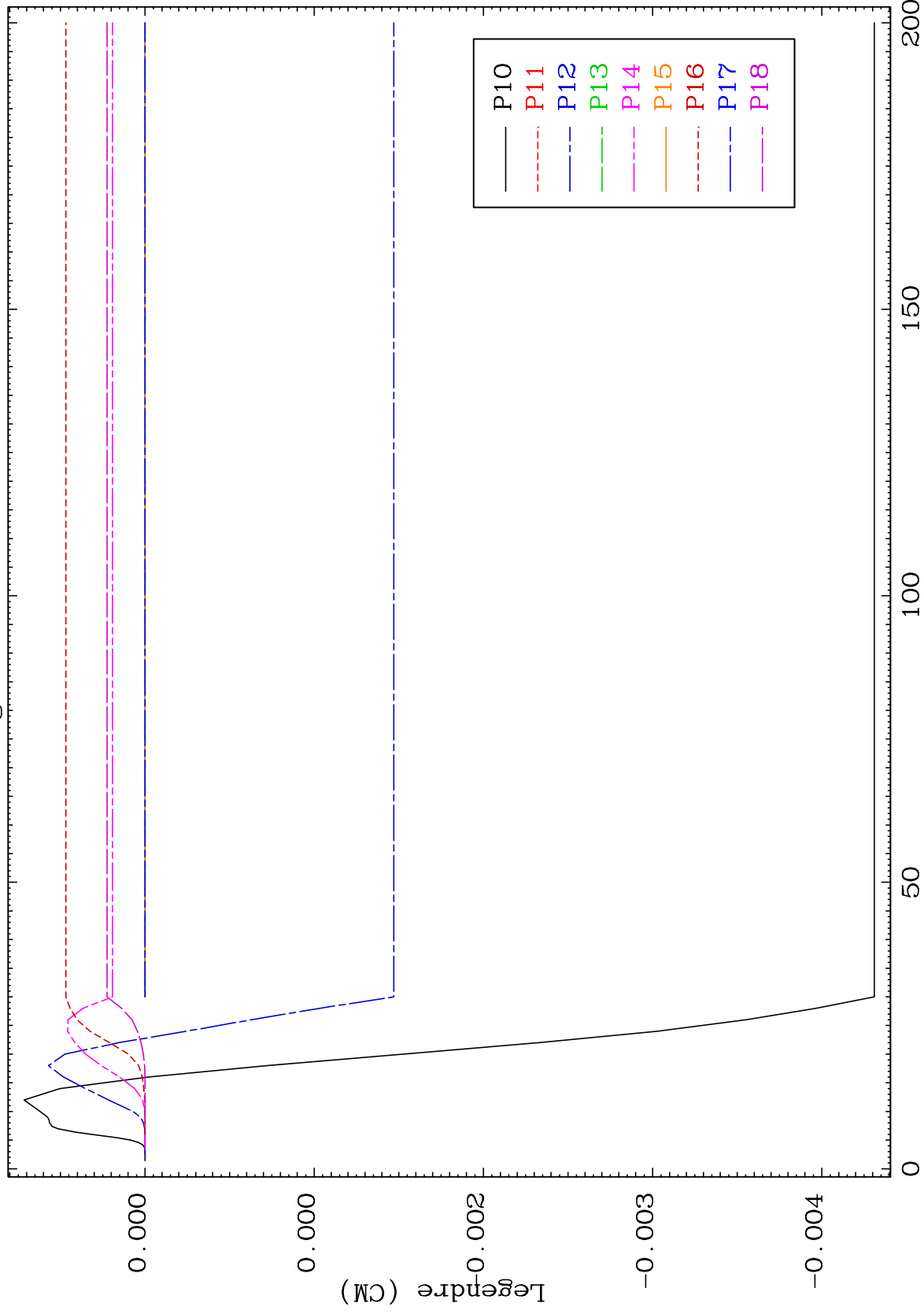




MAT 7019

1.039 MeV (n,n') Level
Legendre Coefficients

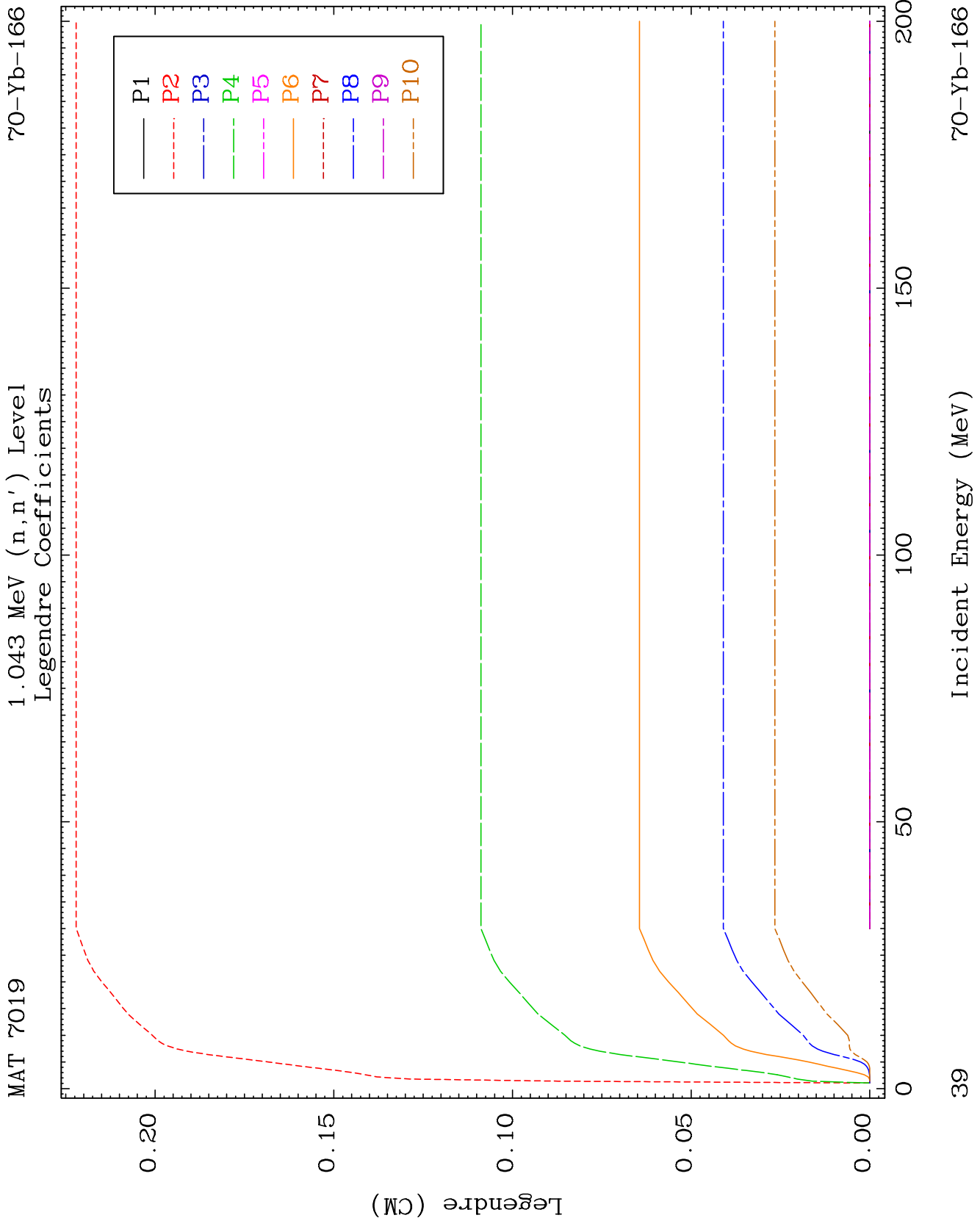
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Incident Energy (MeV)

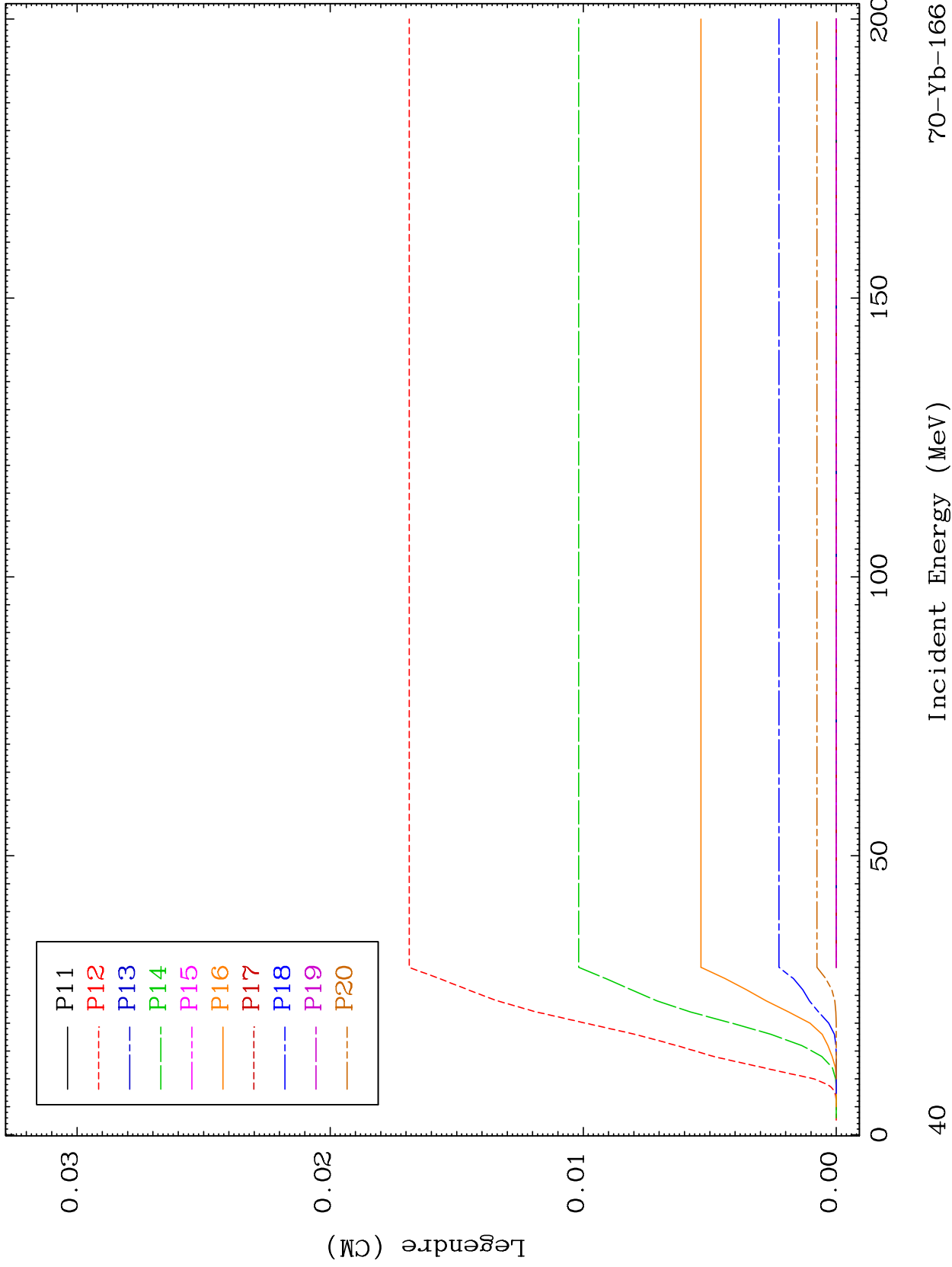
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MAT 7019

1.043 MeV (n, n') Level
Legendre Coefficients

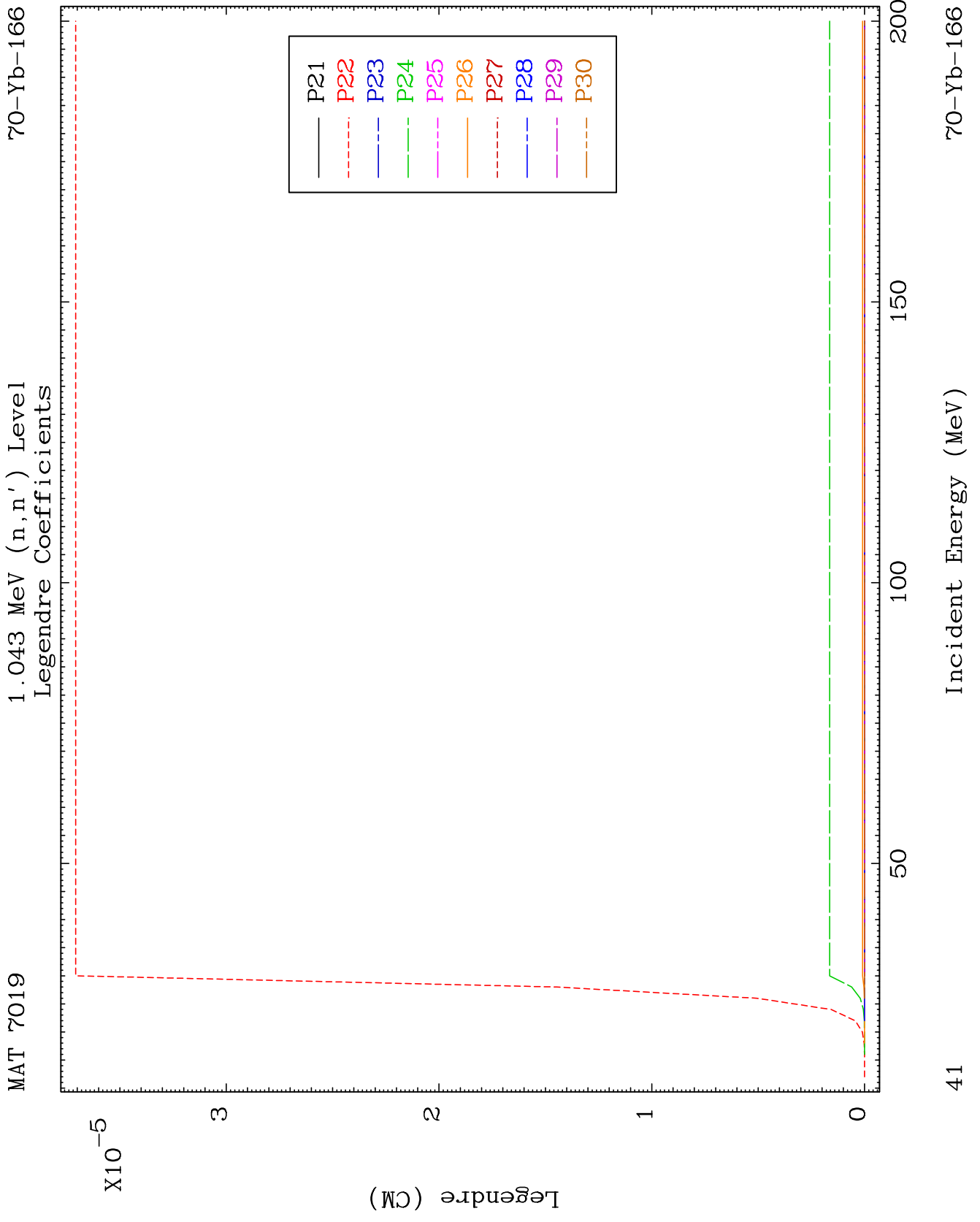
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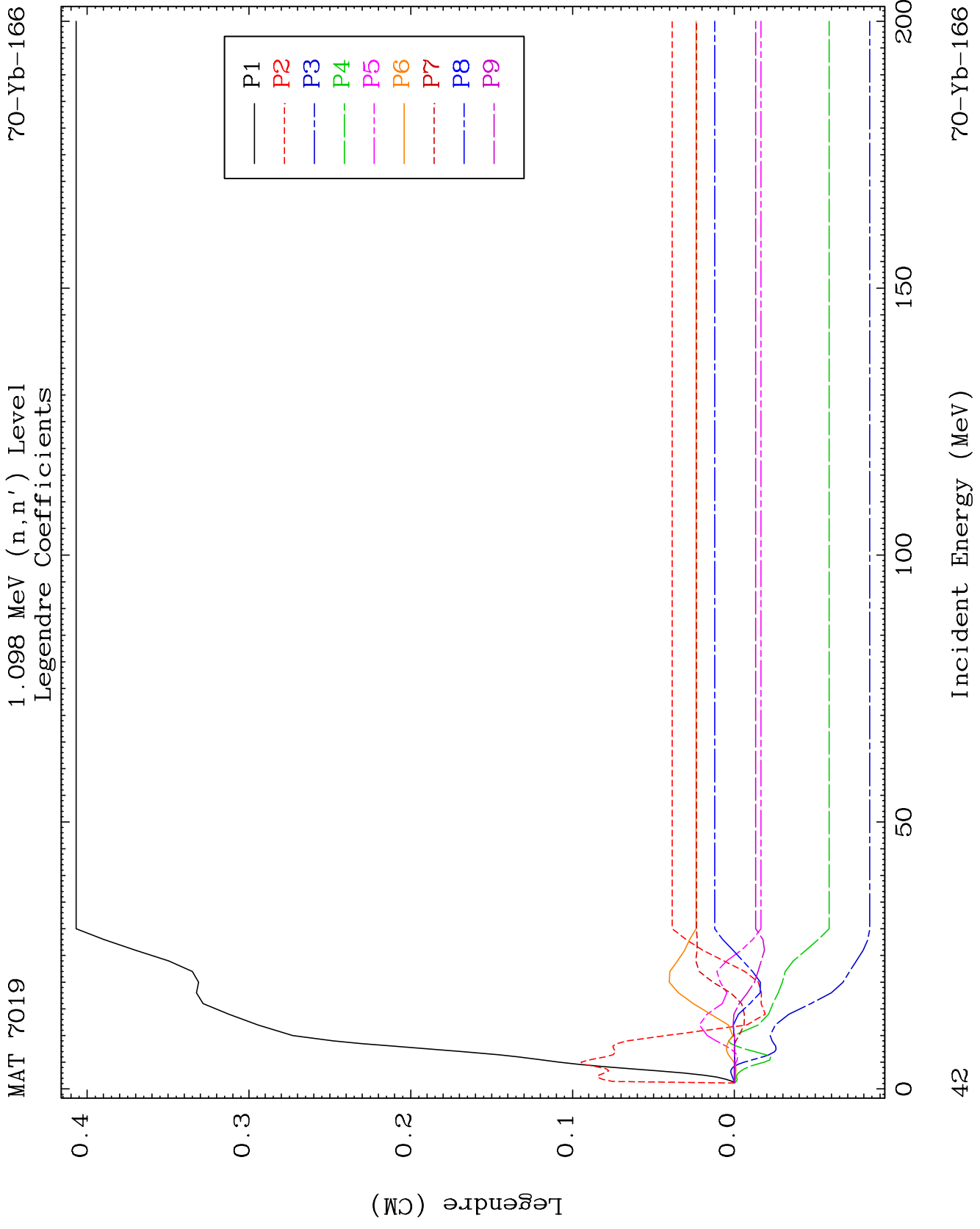


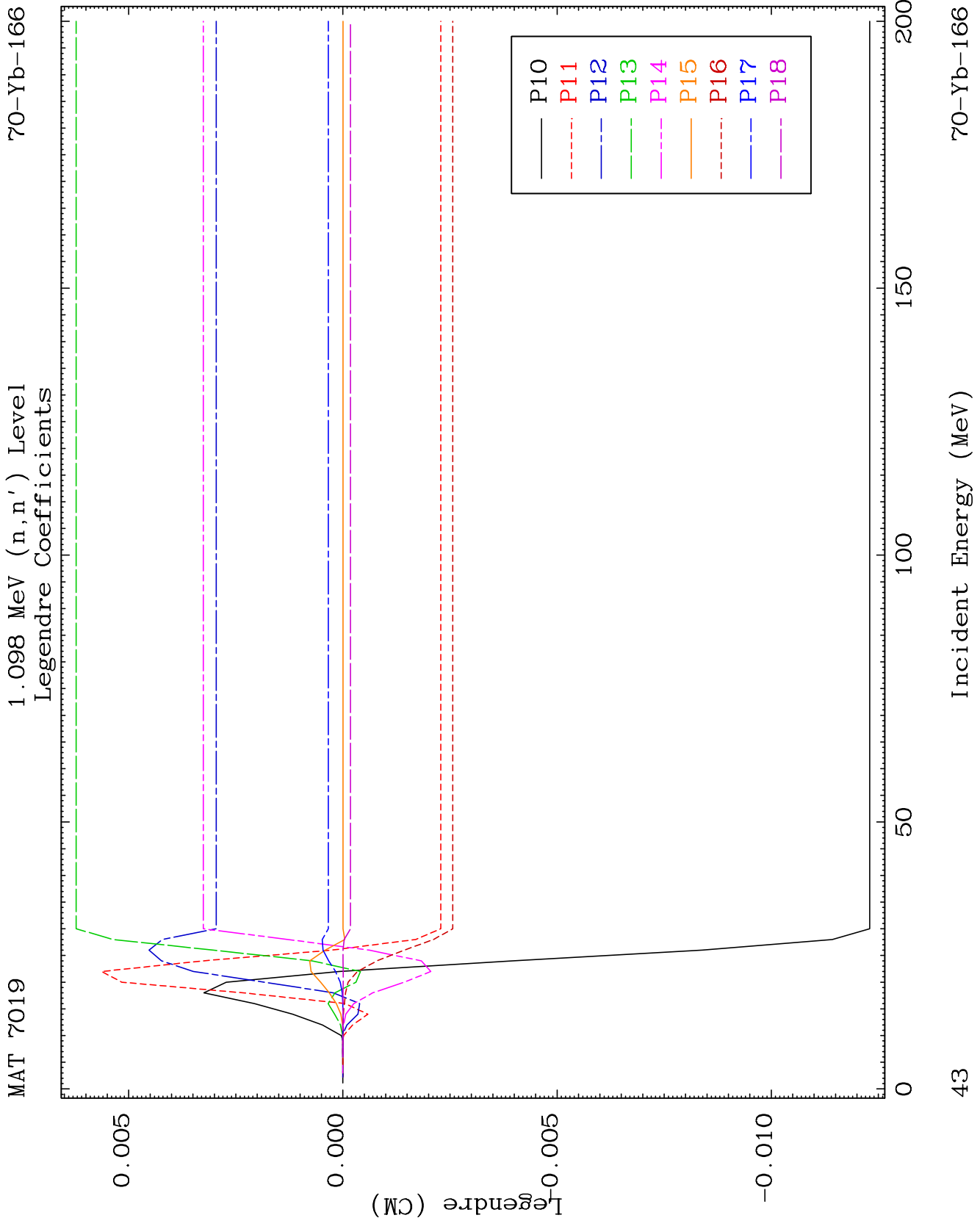
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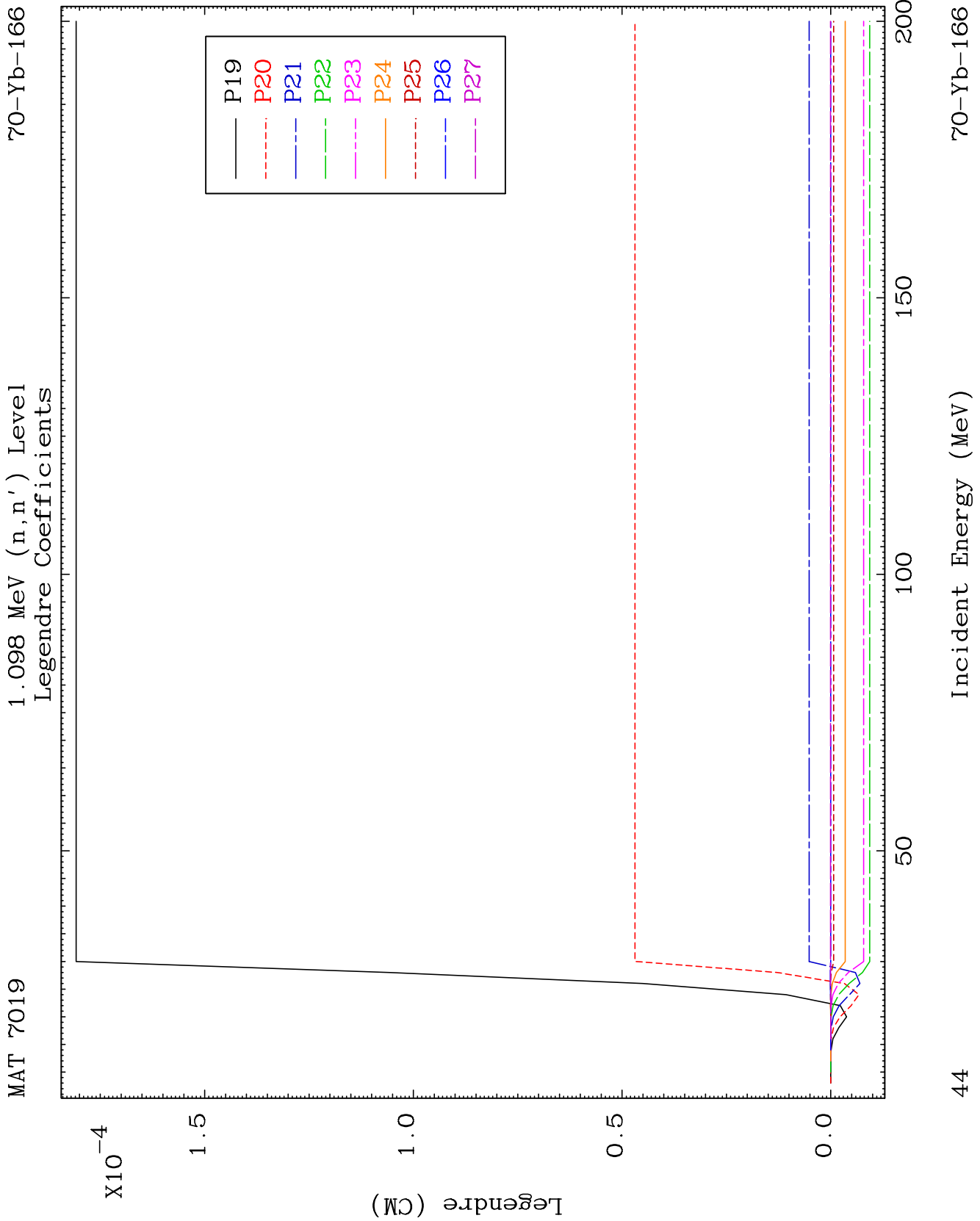
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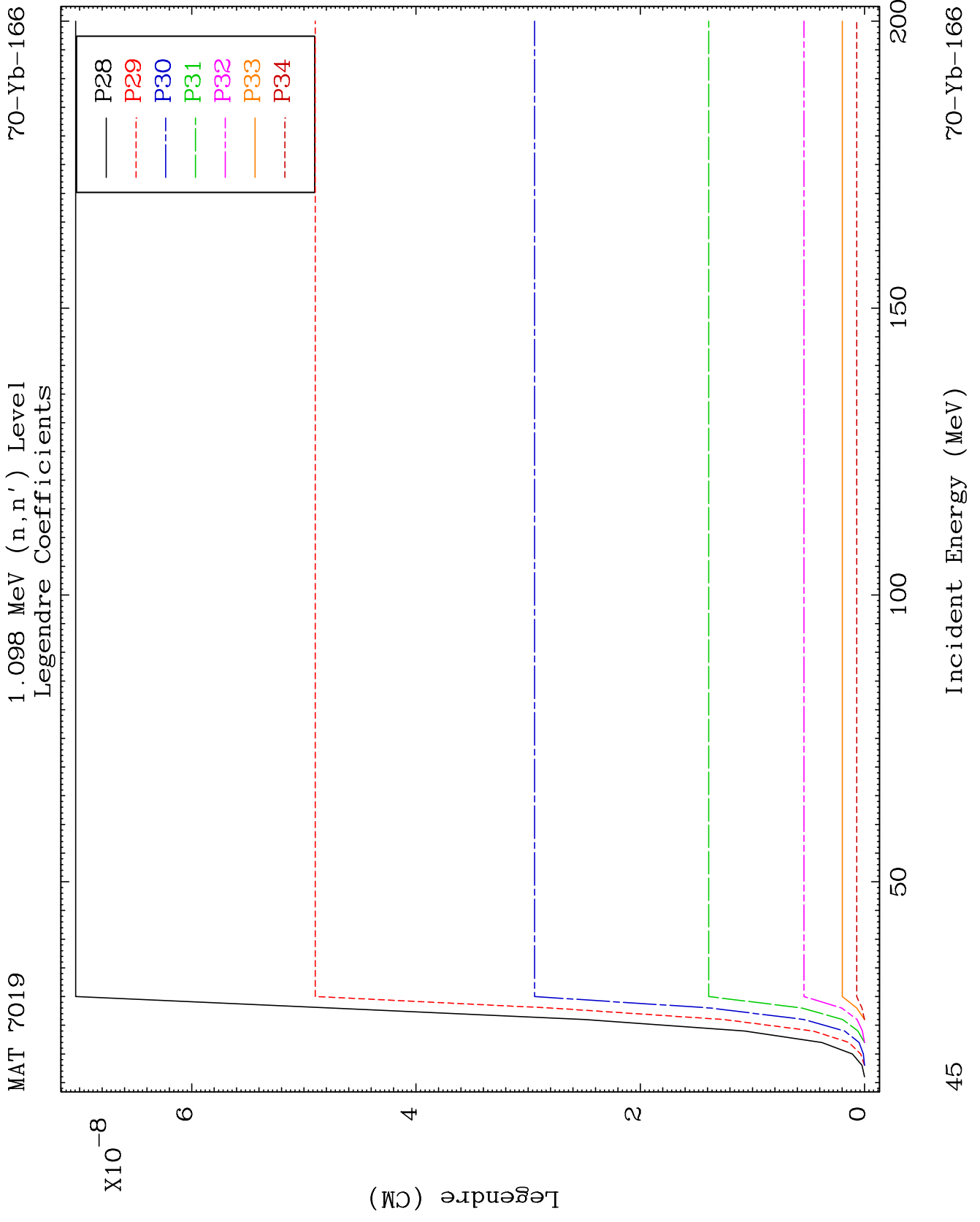
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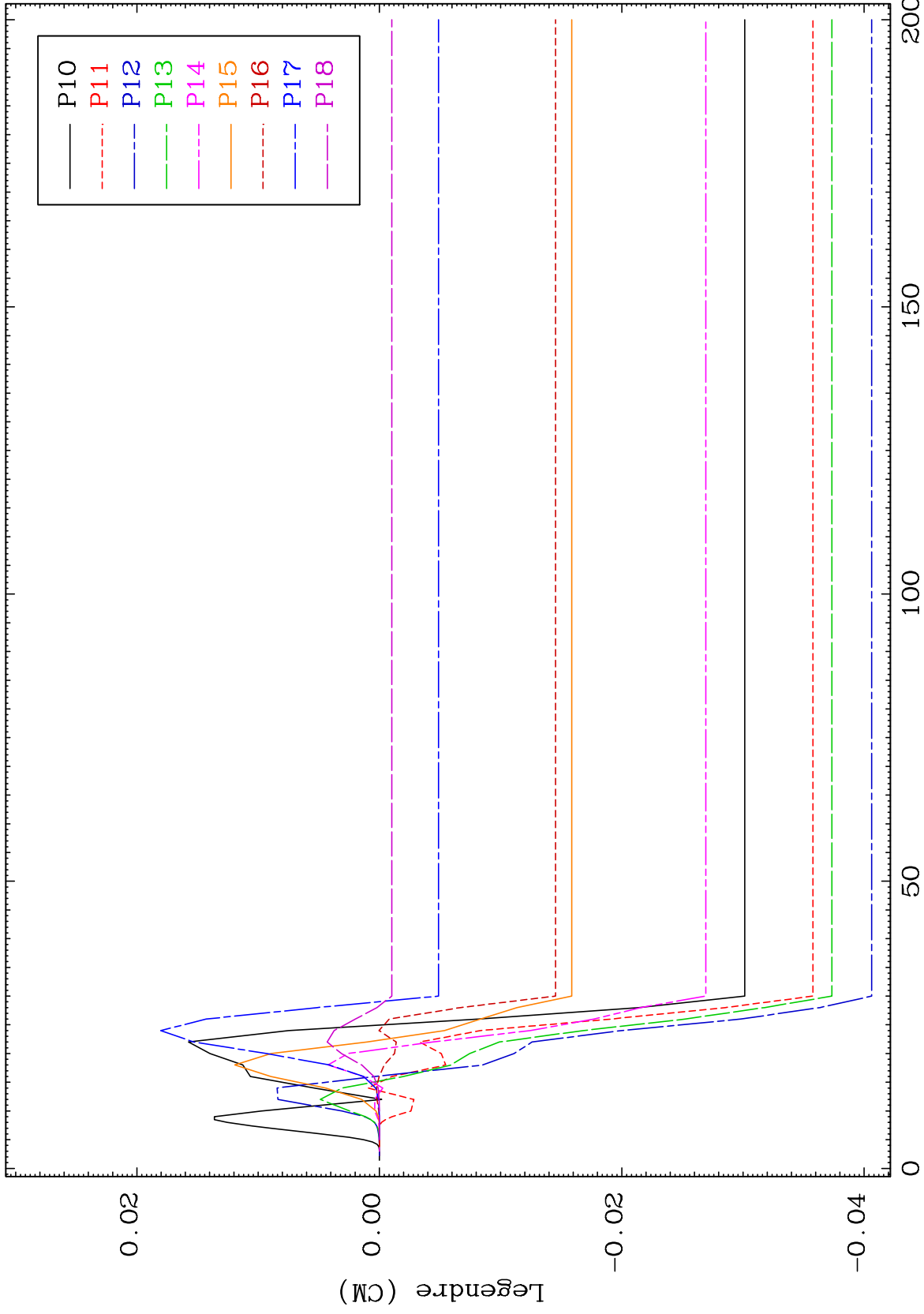




MAT 7019

1.144 MeV (n,n') Level
Legendre Coefficients

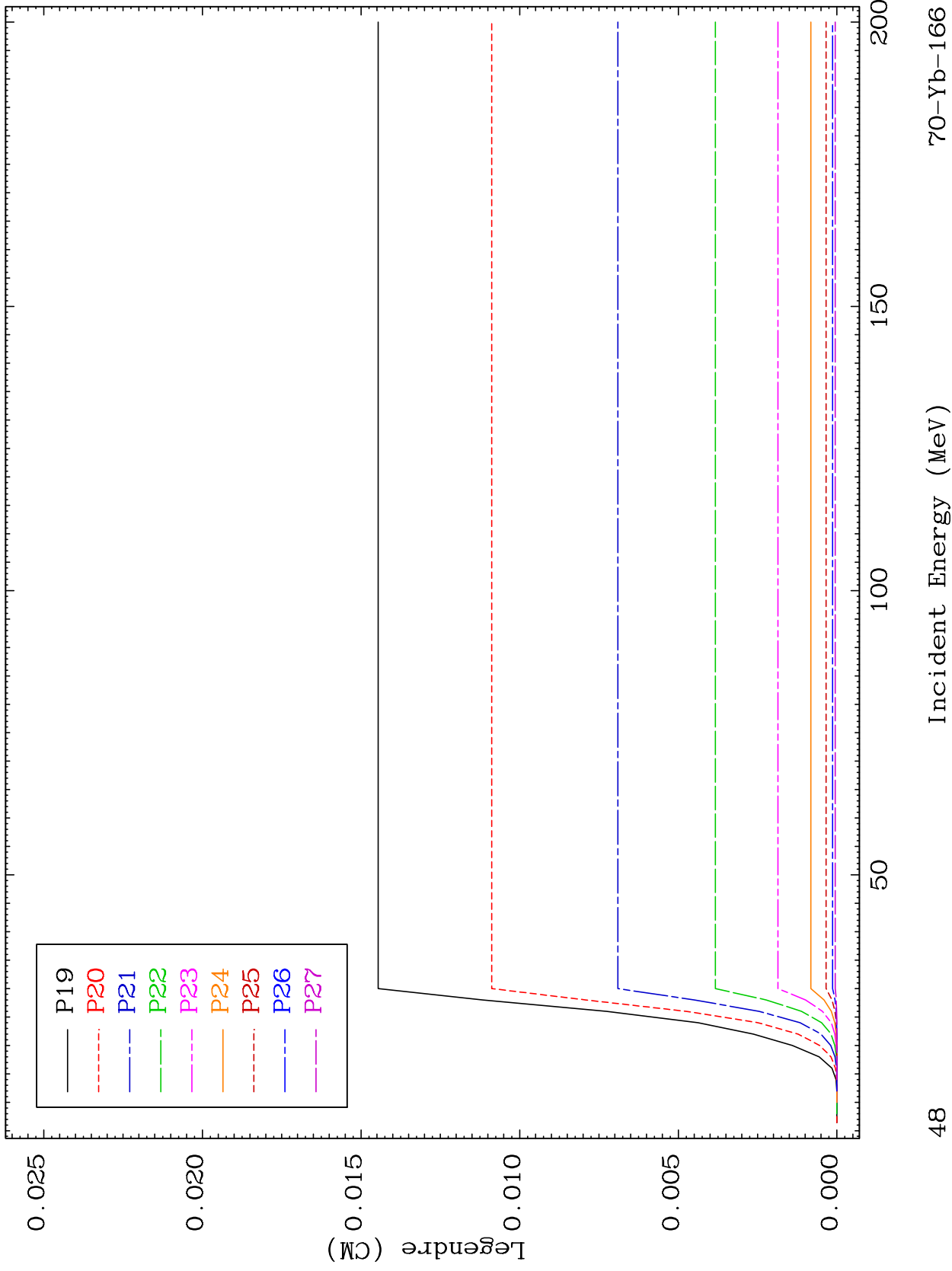
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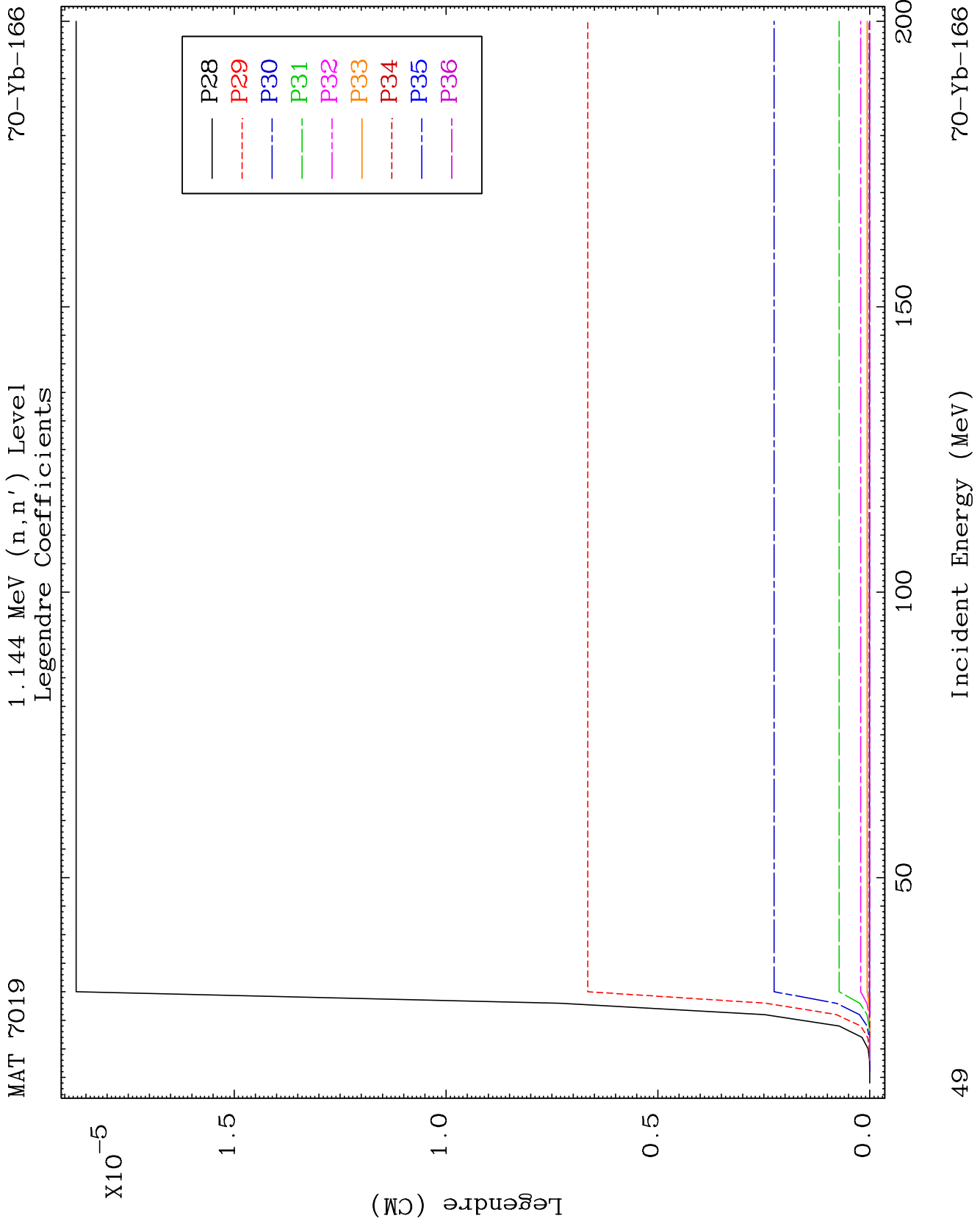


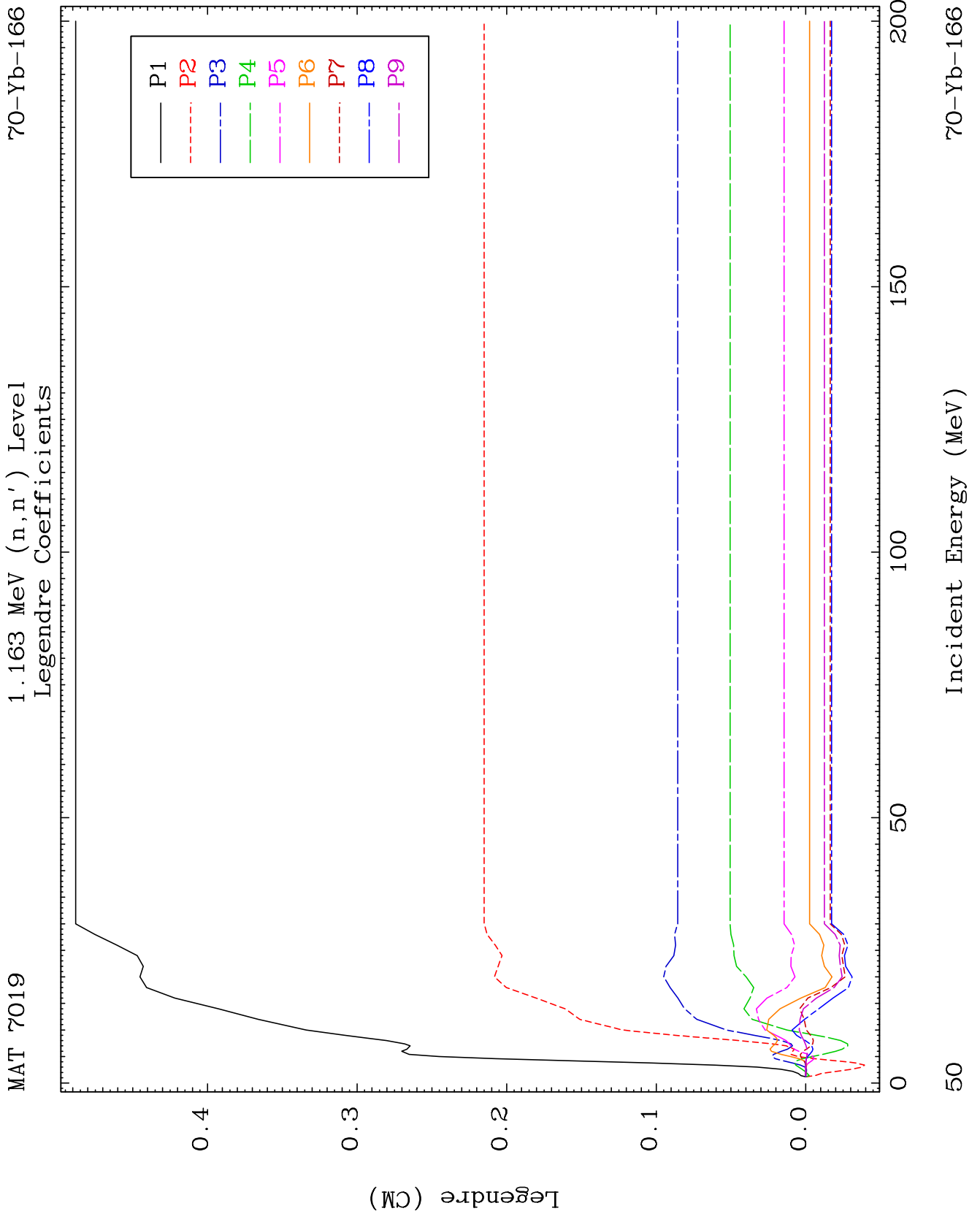
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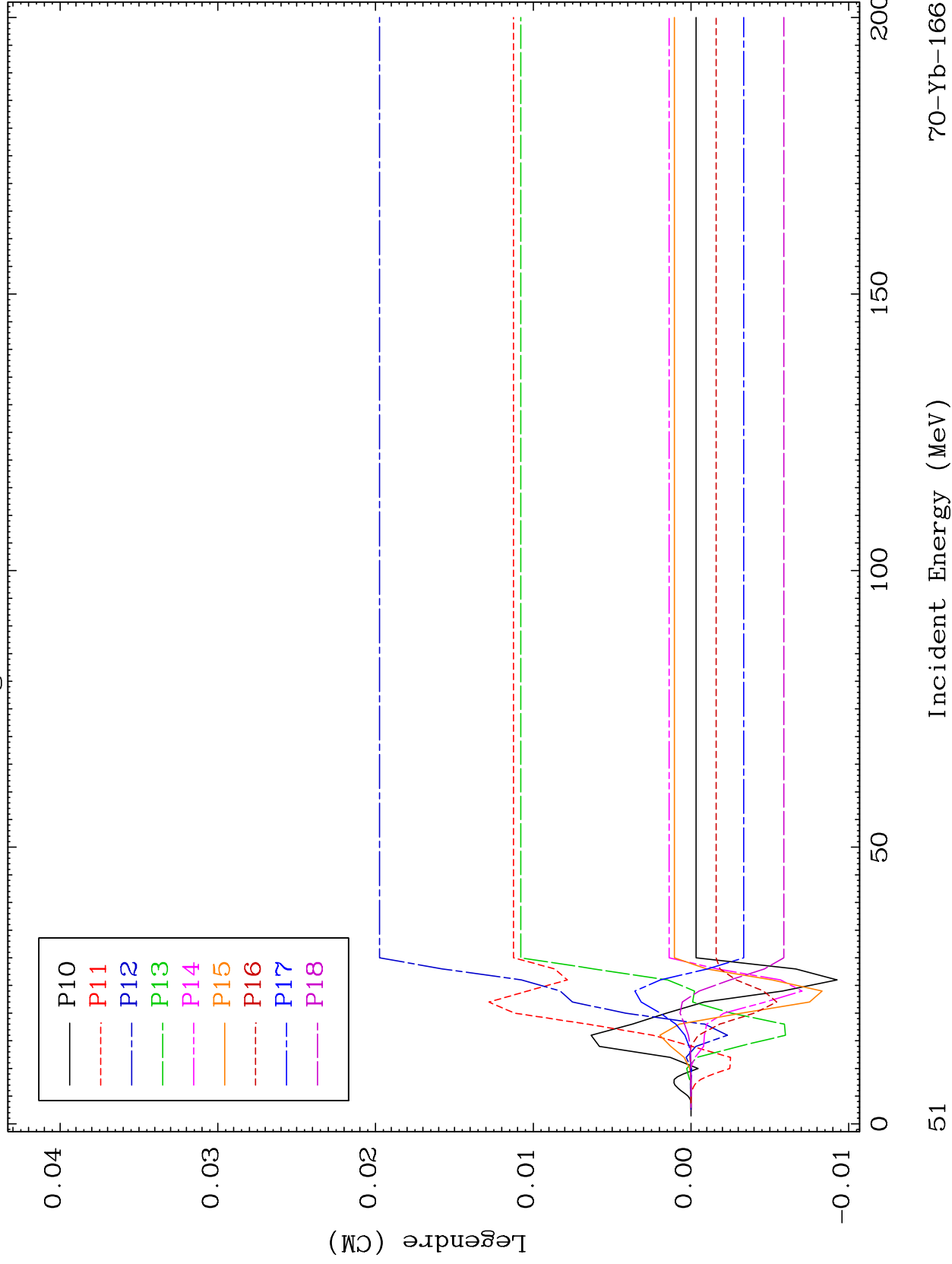
Incident Energy (MeV)

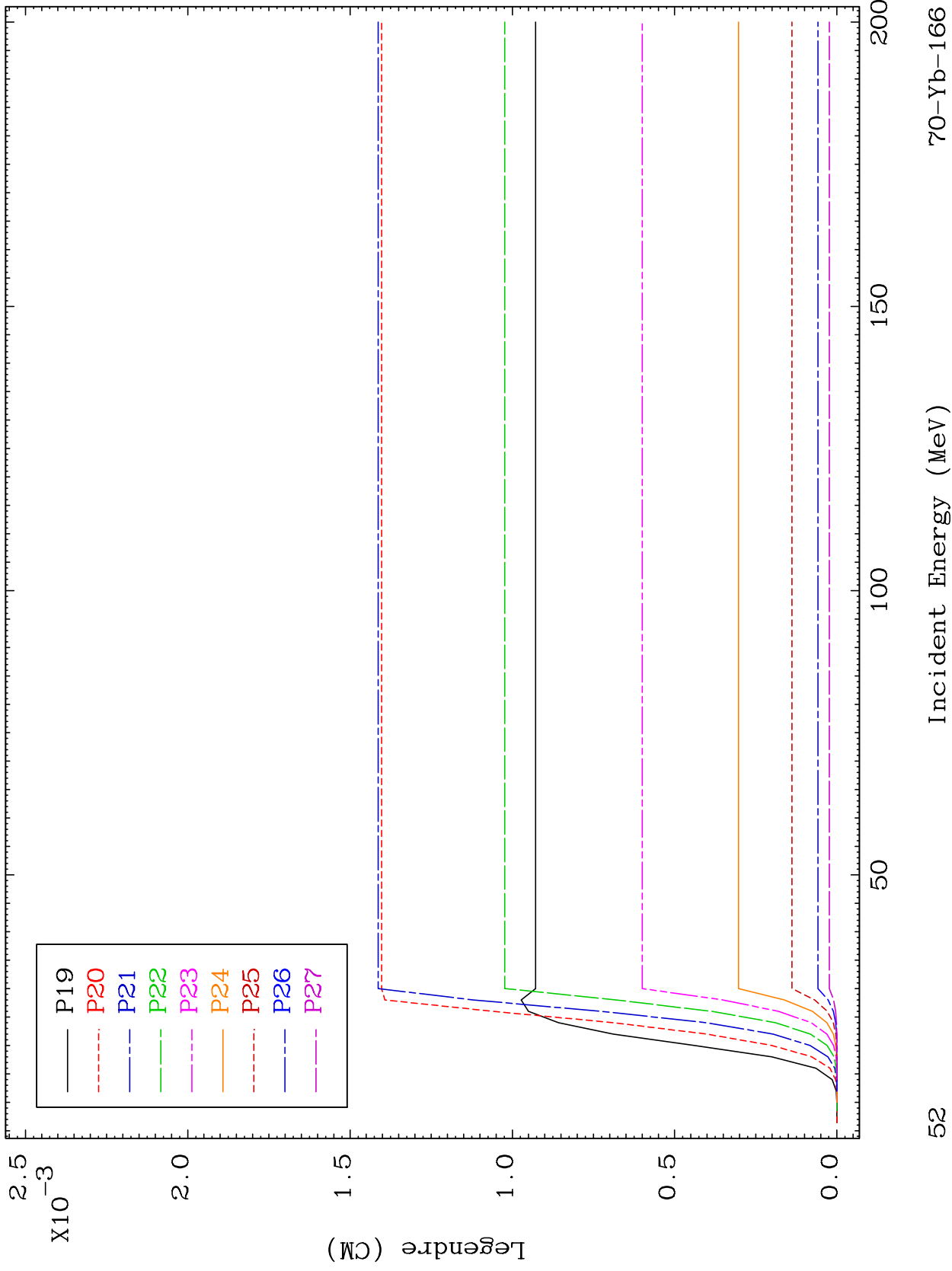
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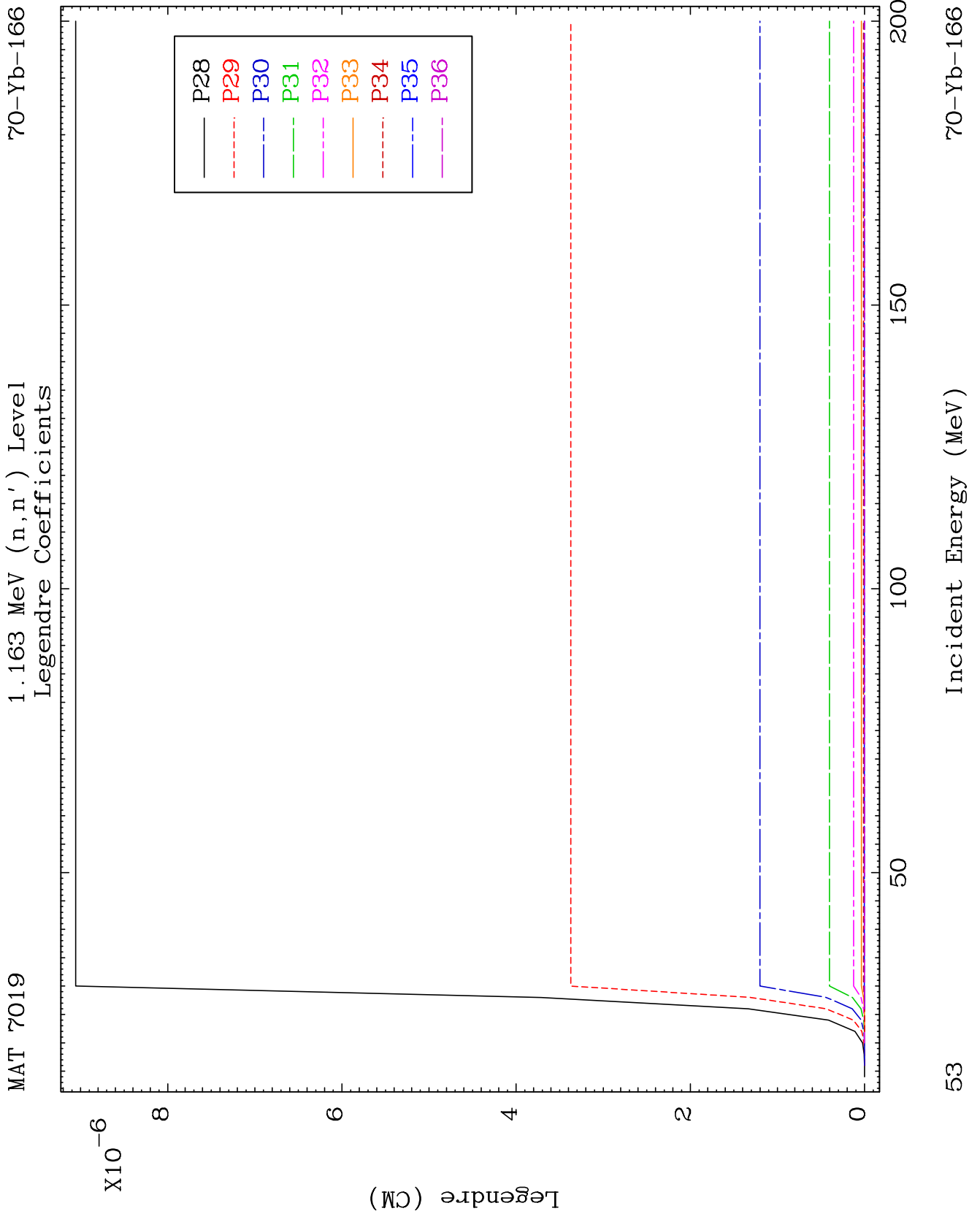


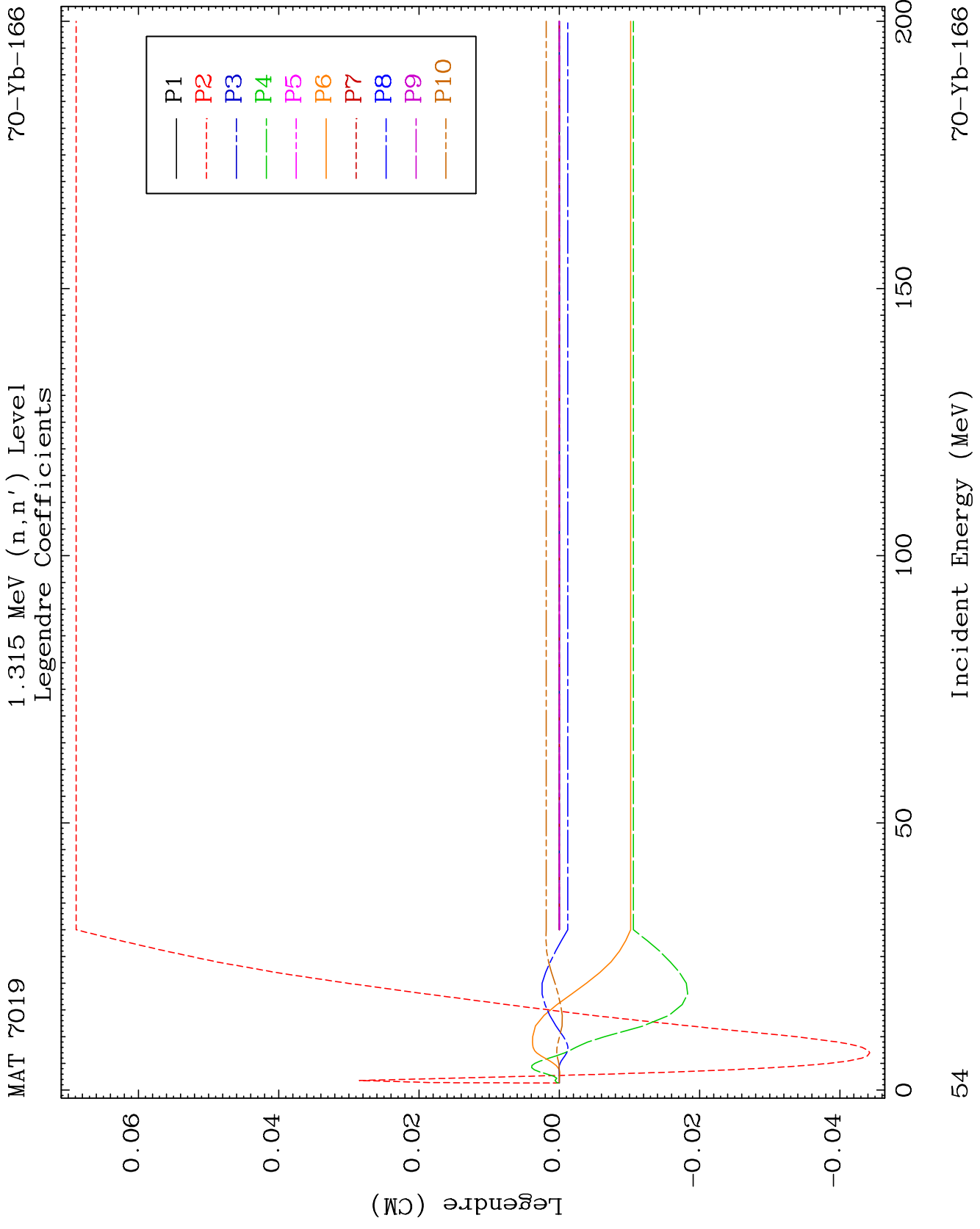


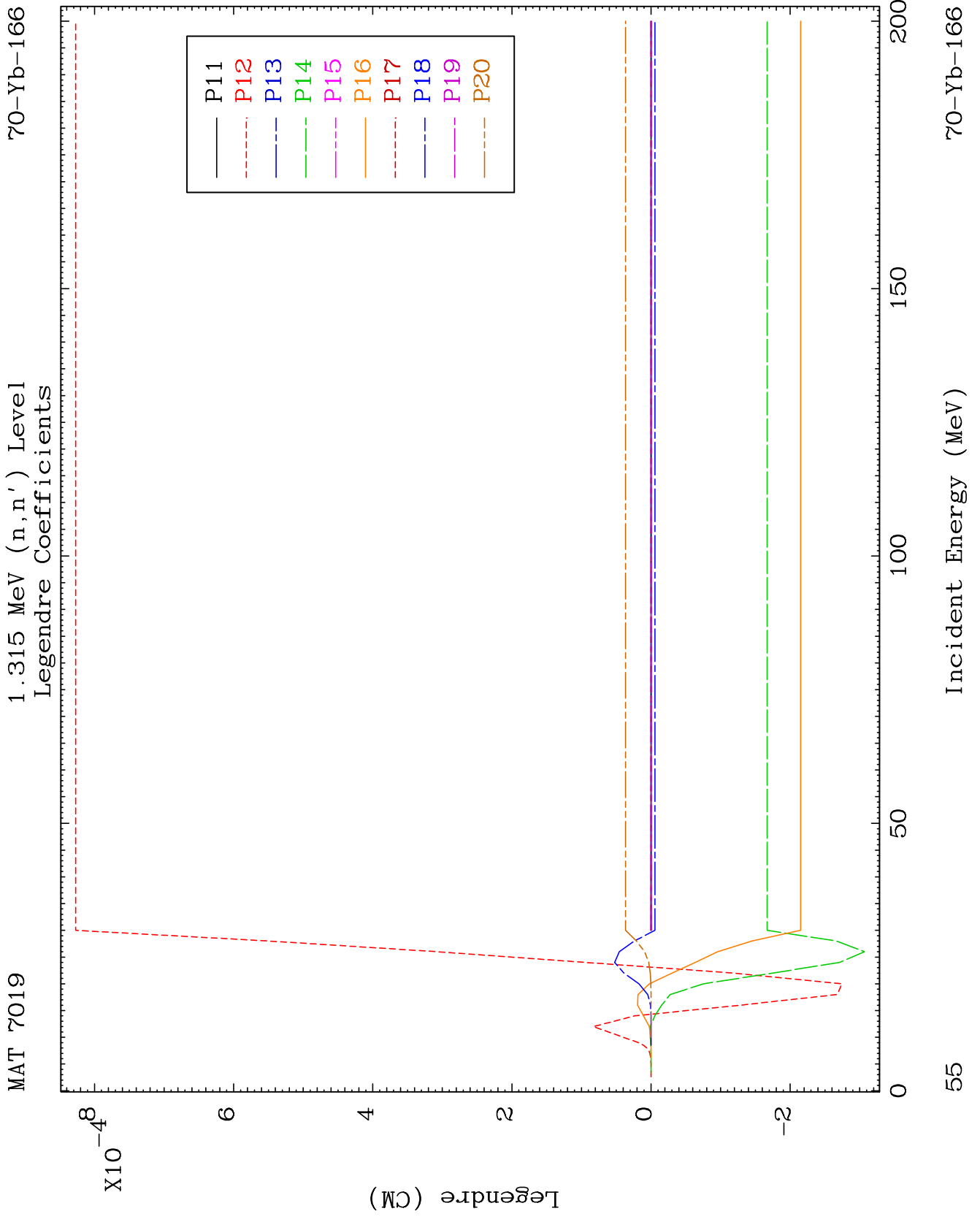


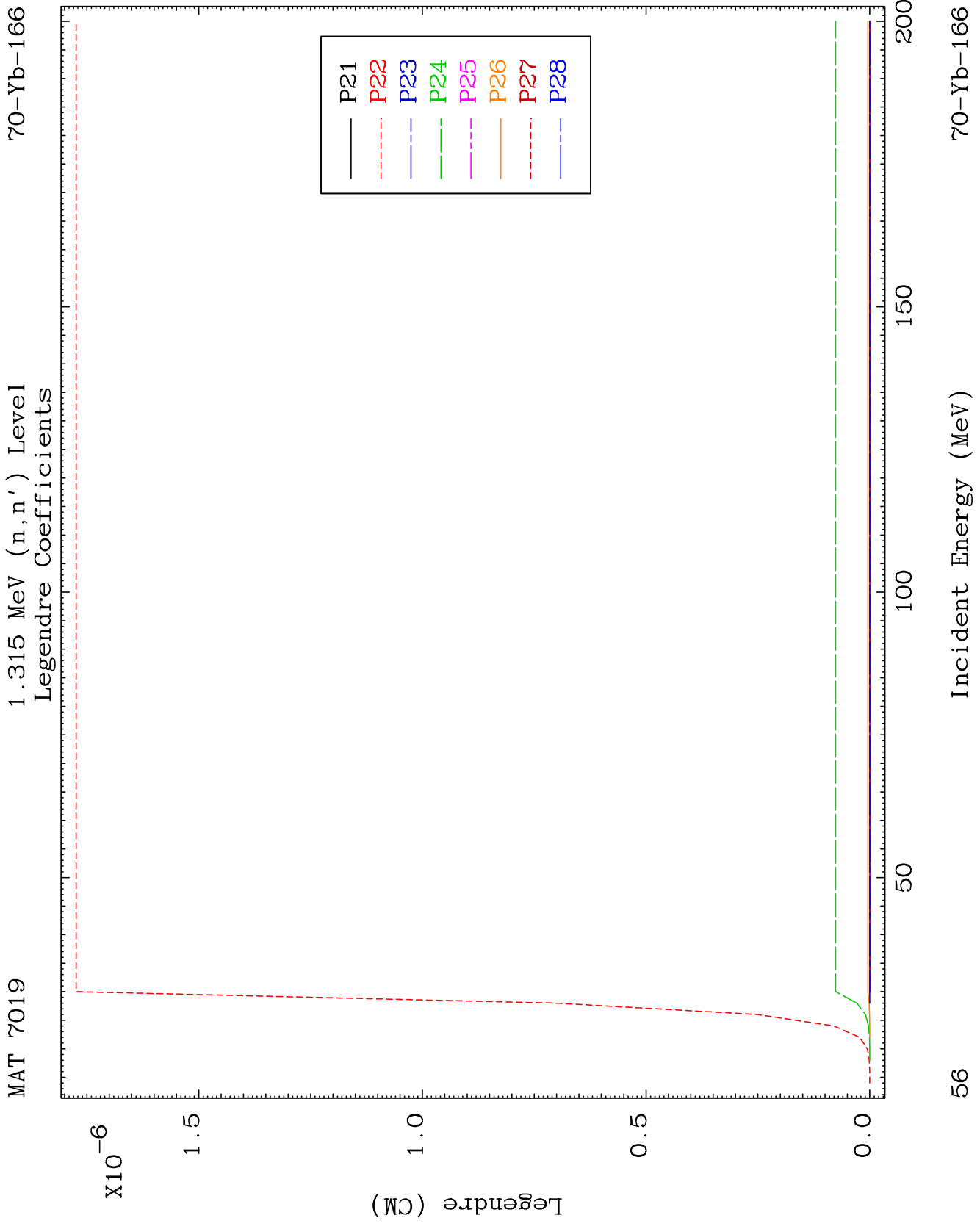


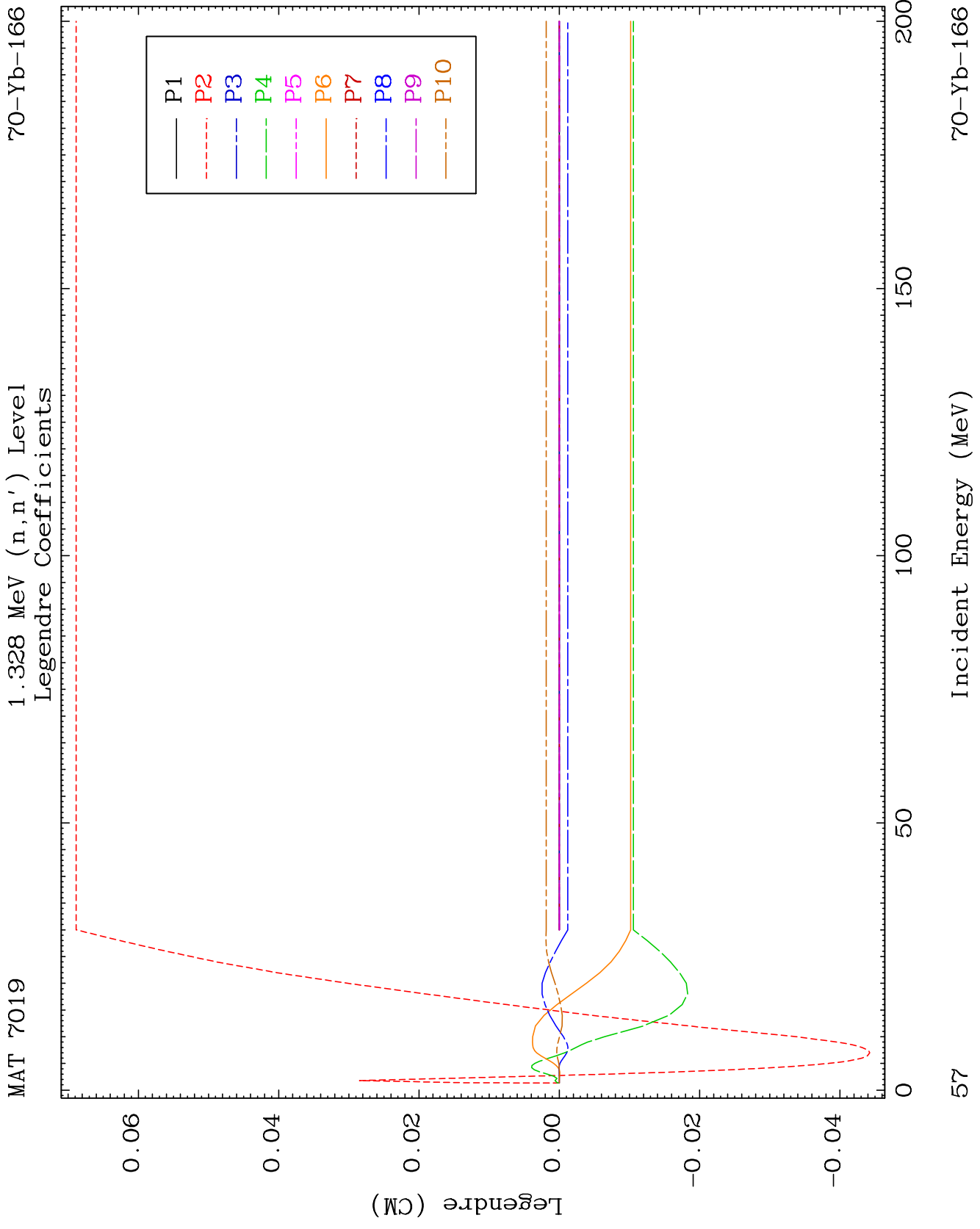


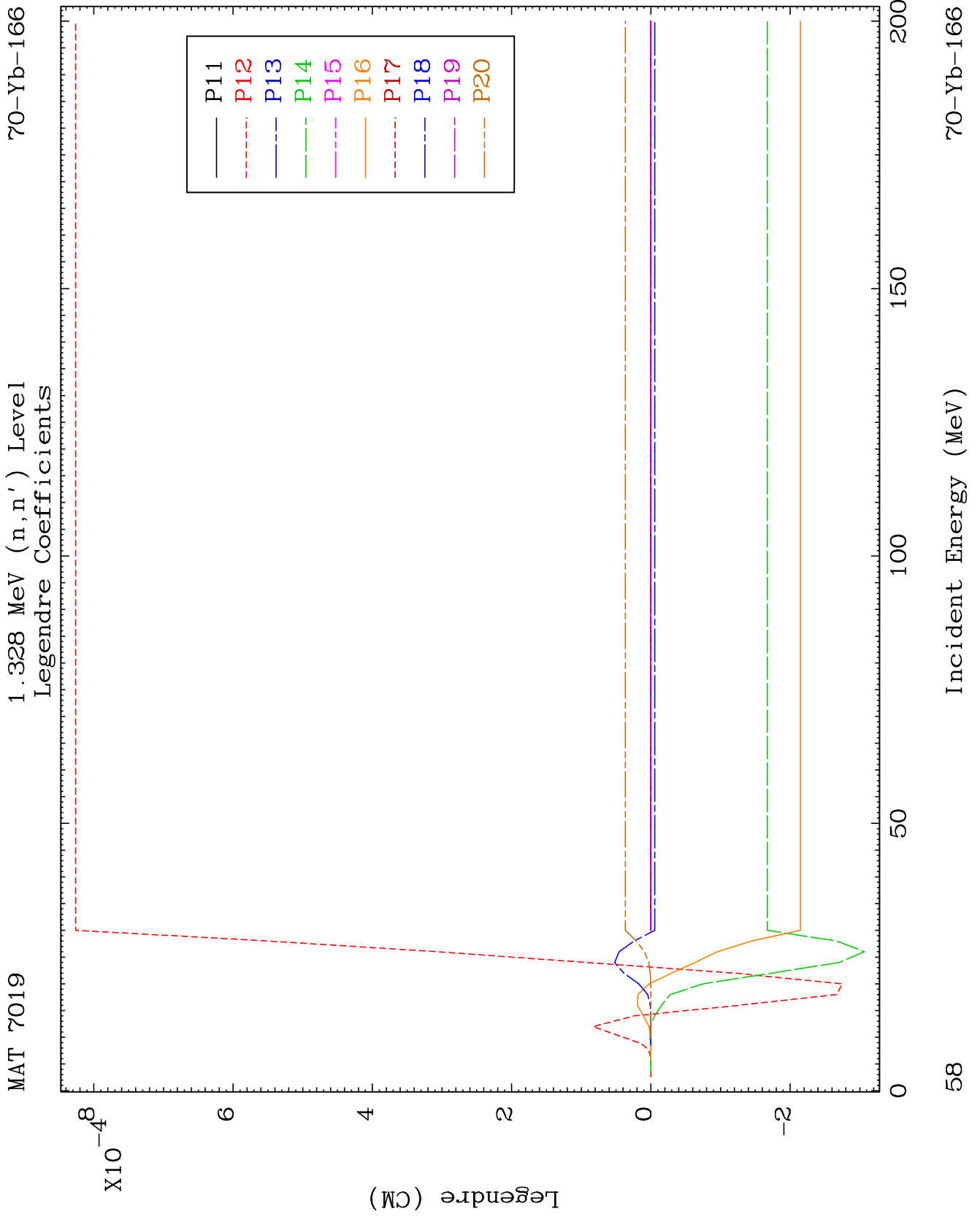


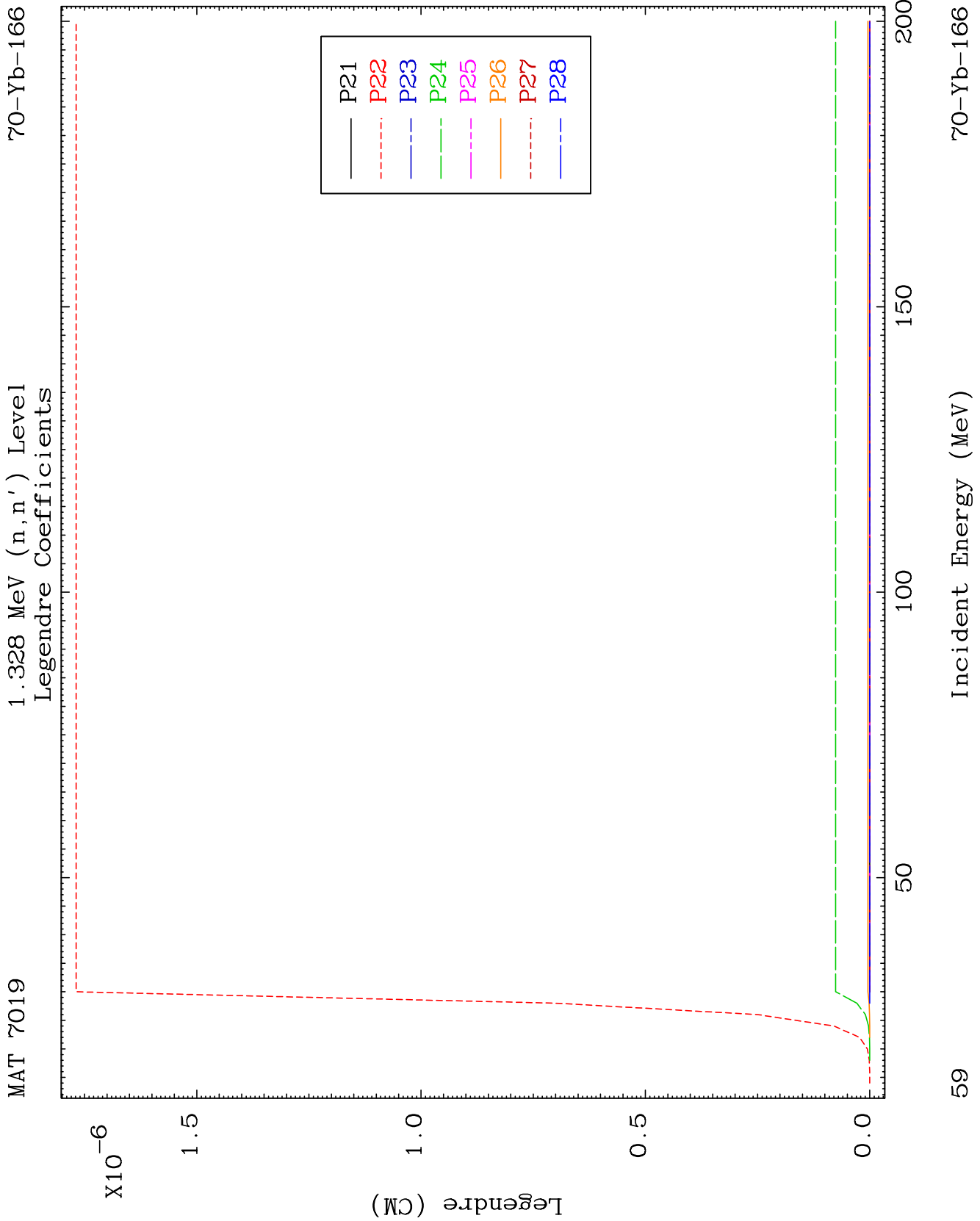


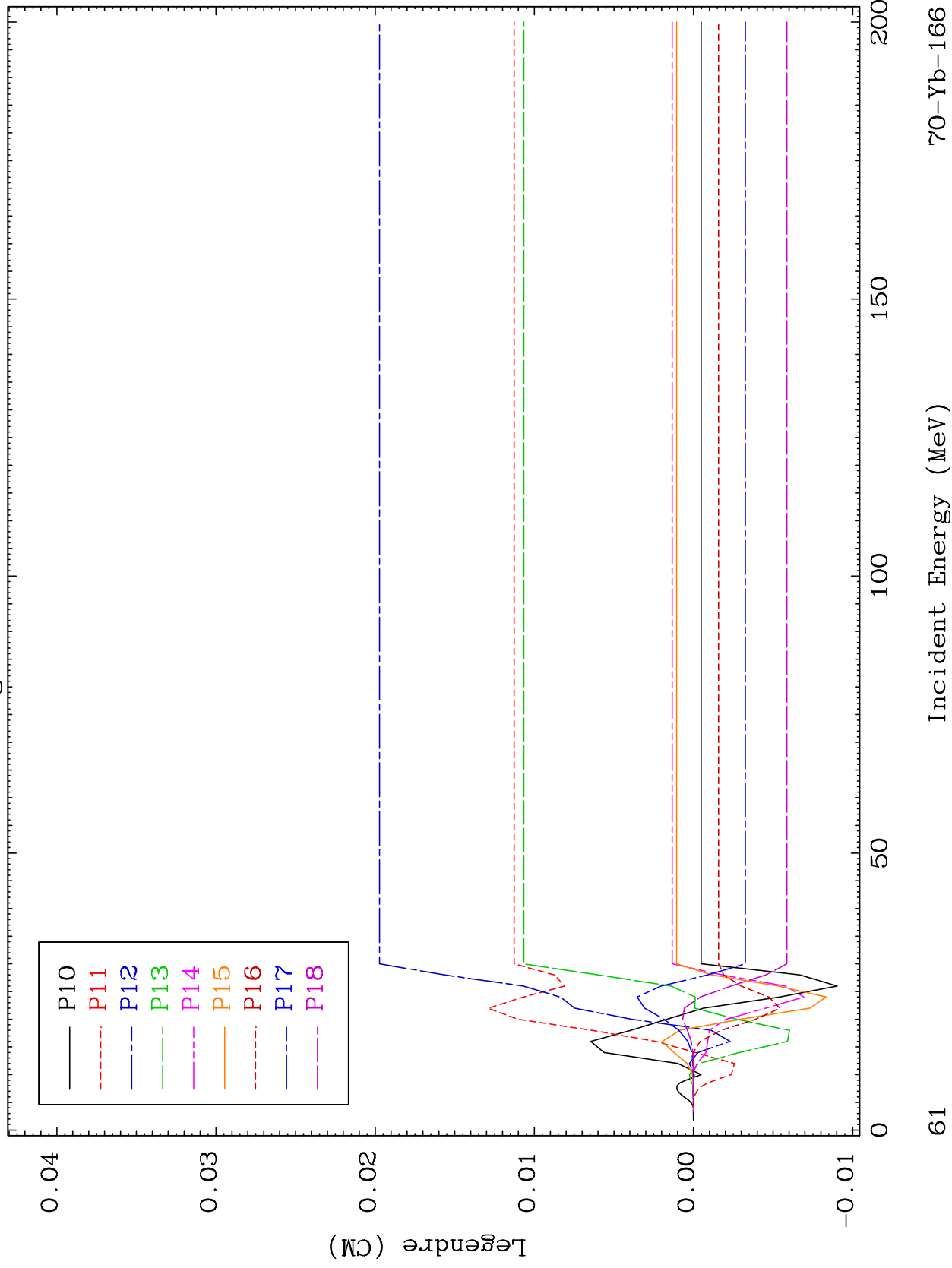








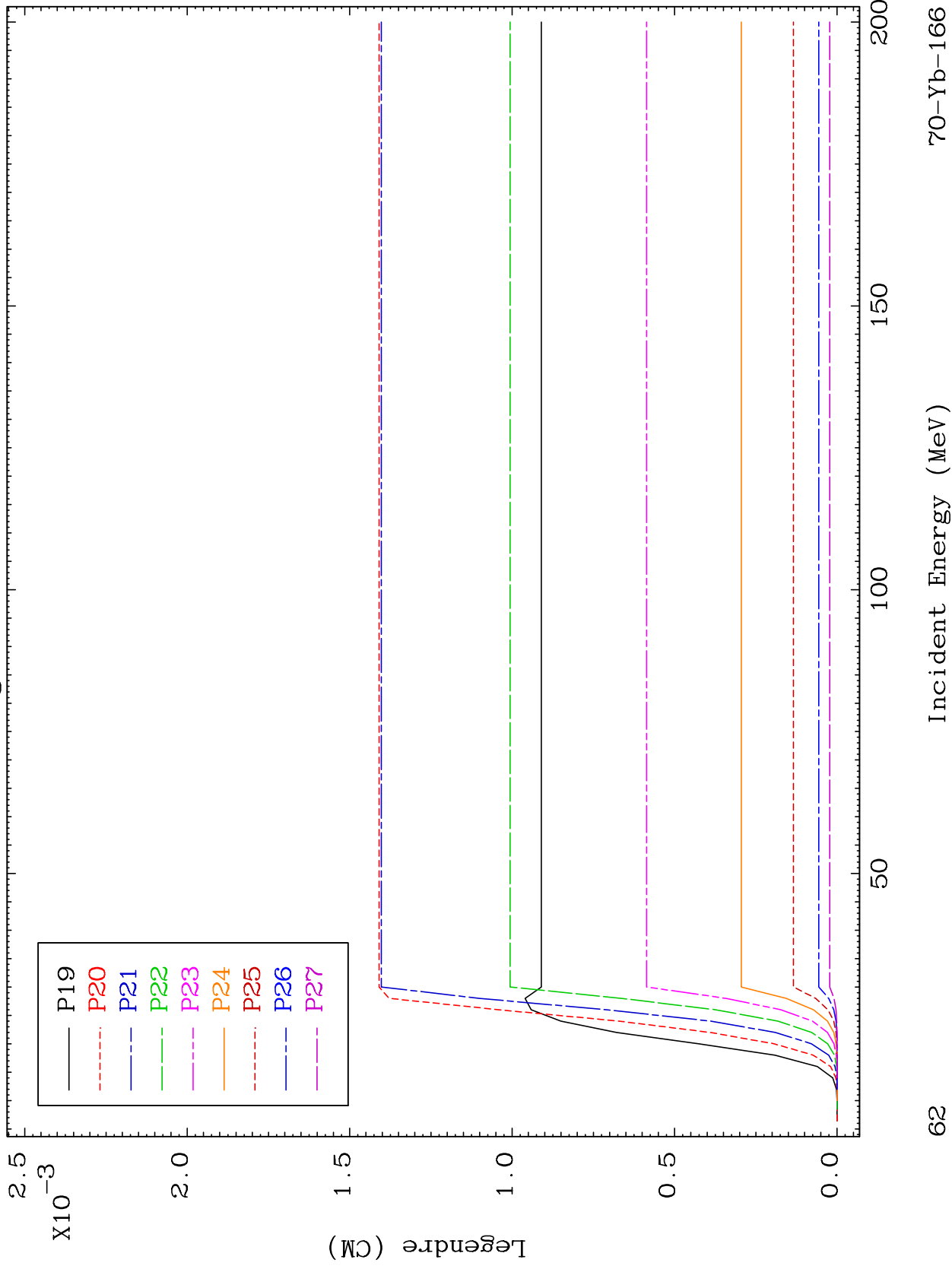




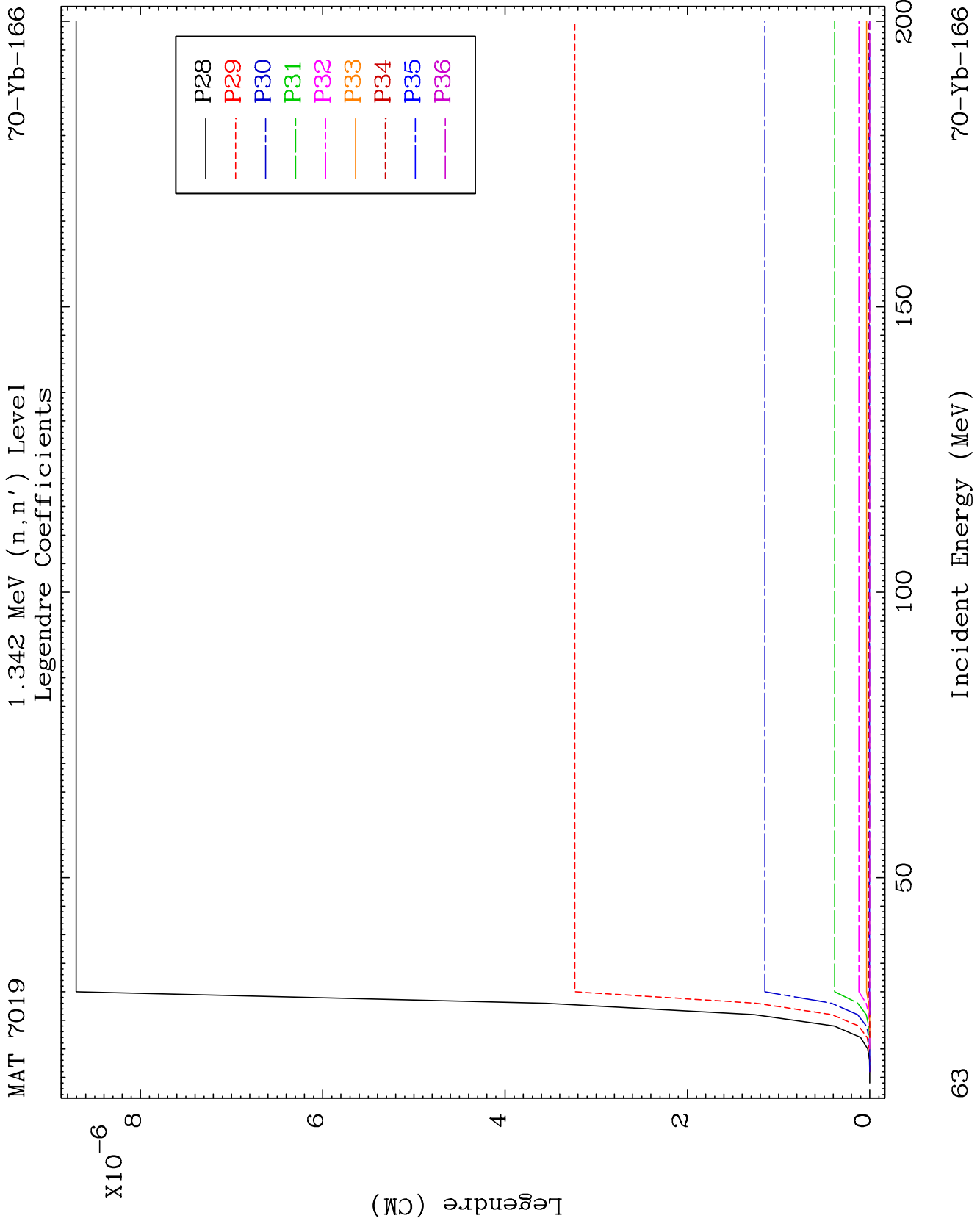
MAT 7019

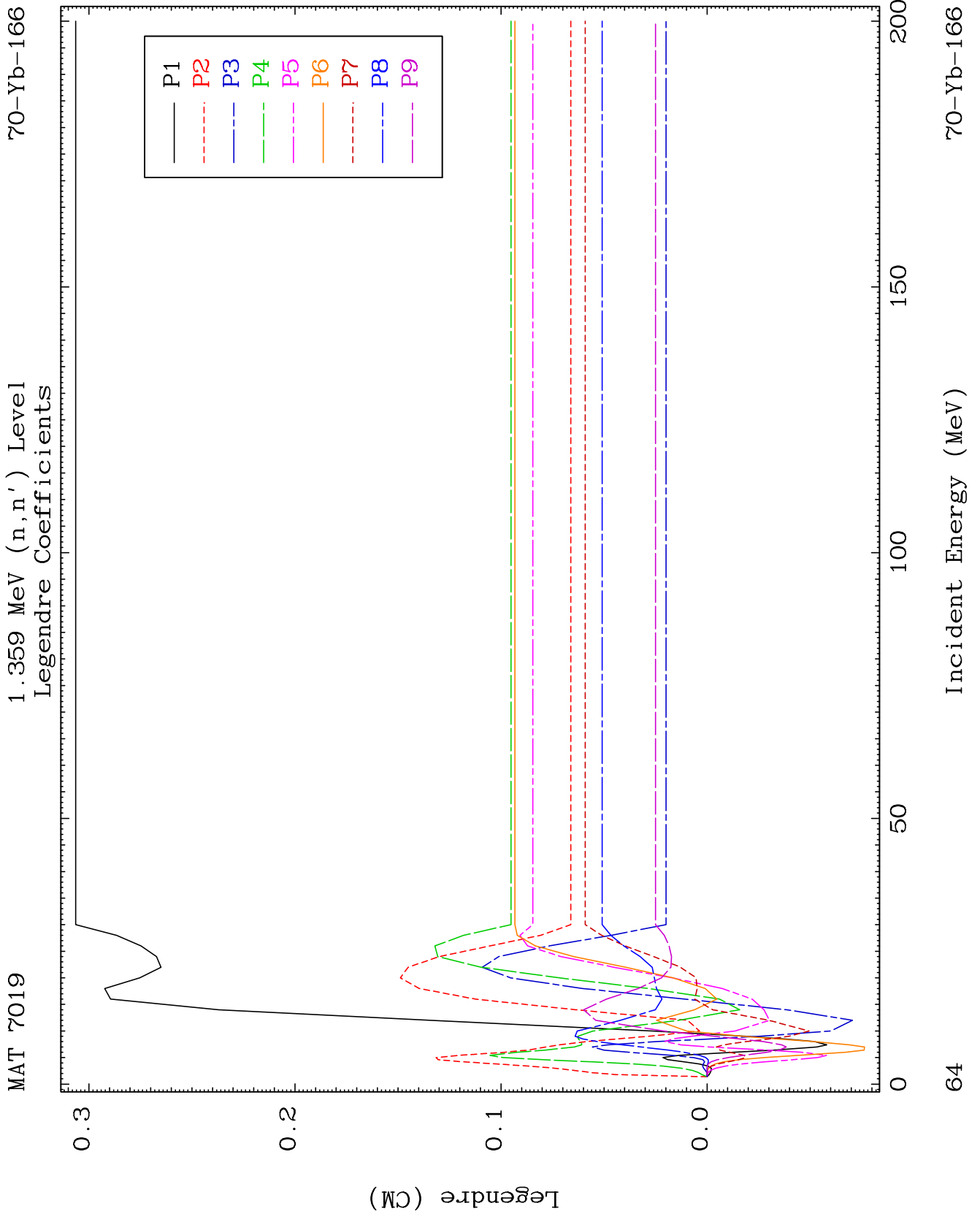
1.342 MeV (n, n') Level
Legendre Coefficients

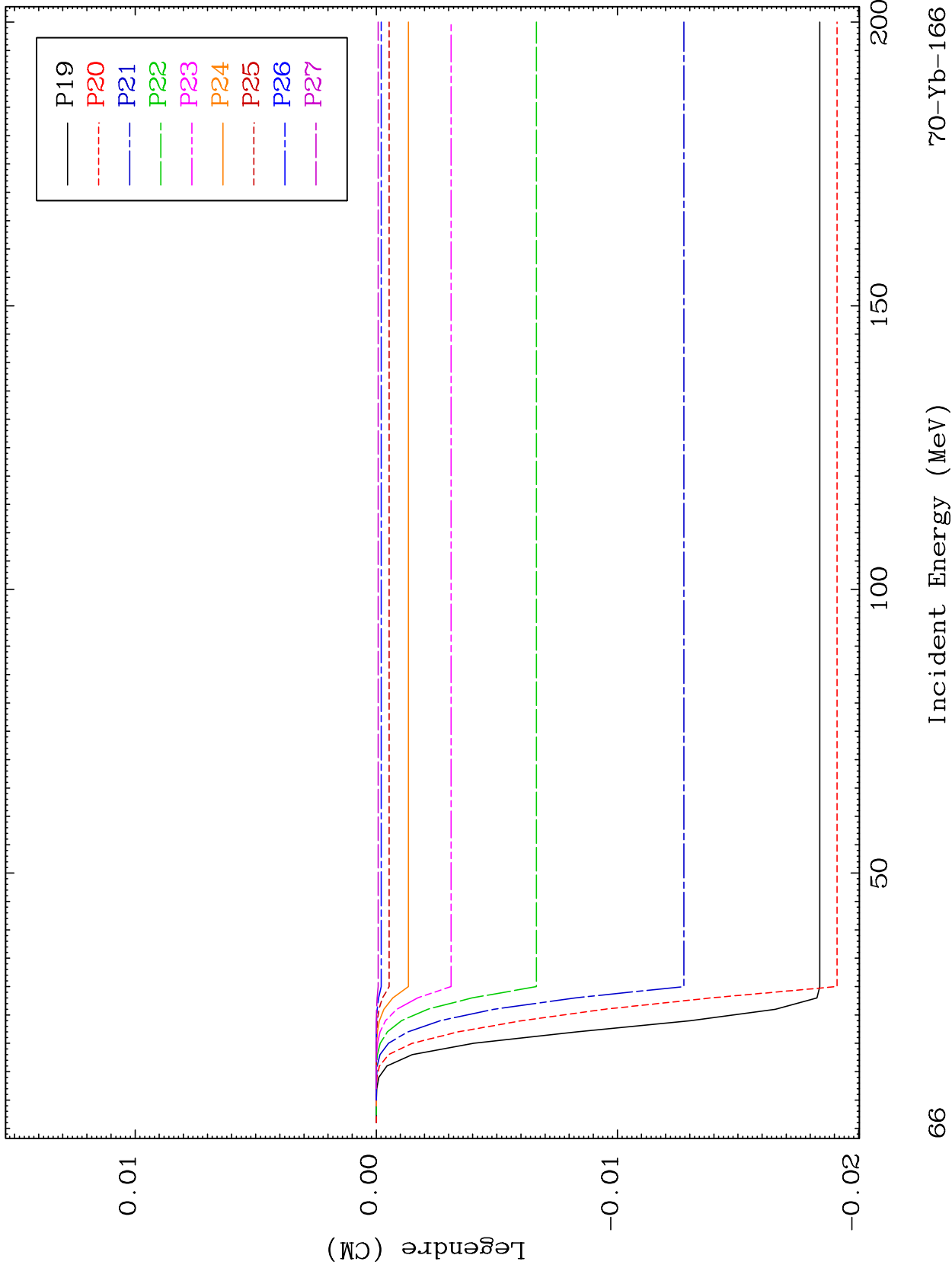
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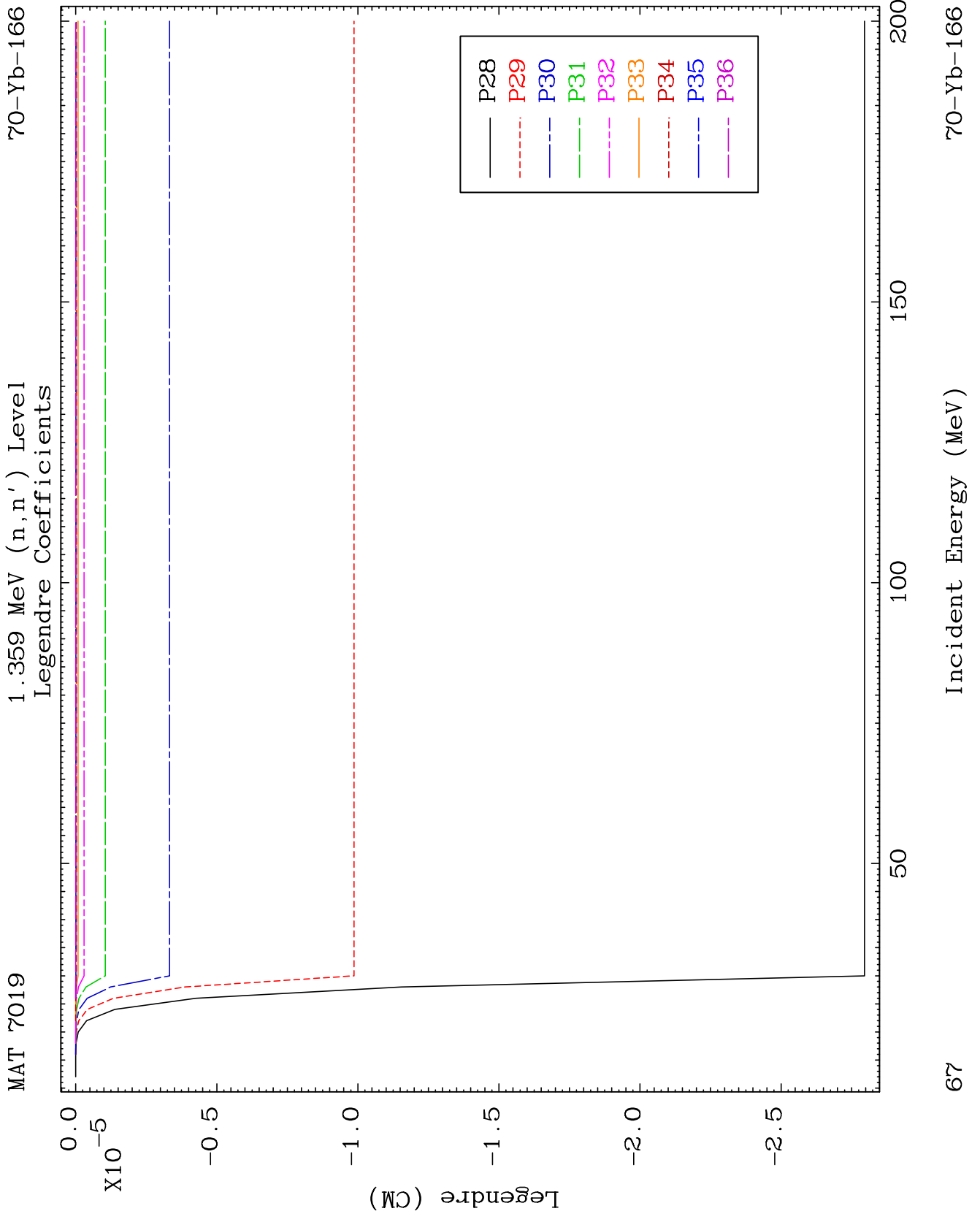


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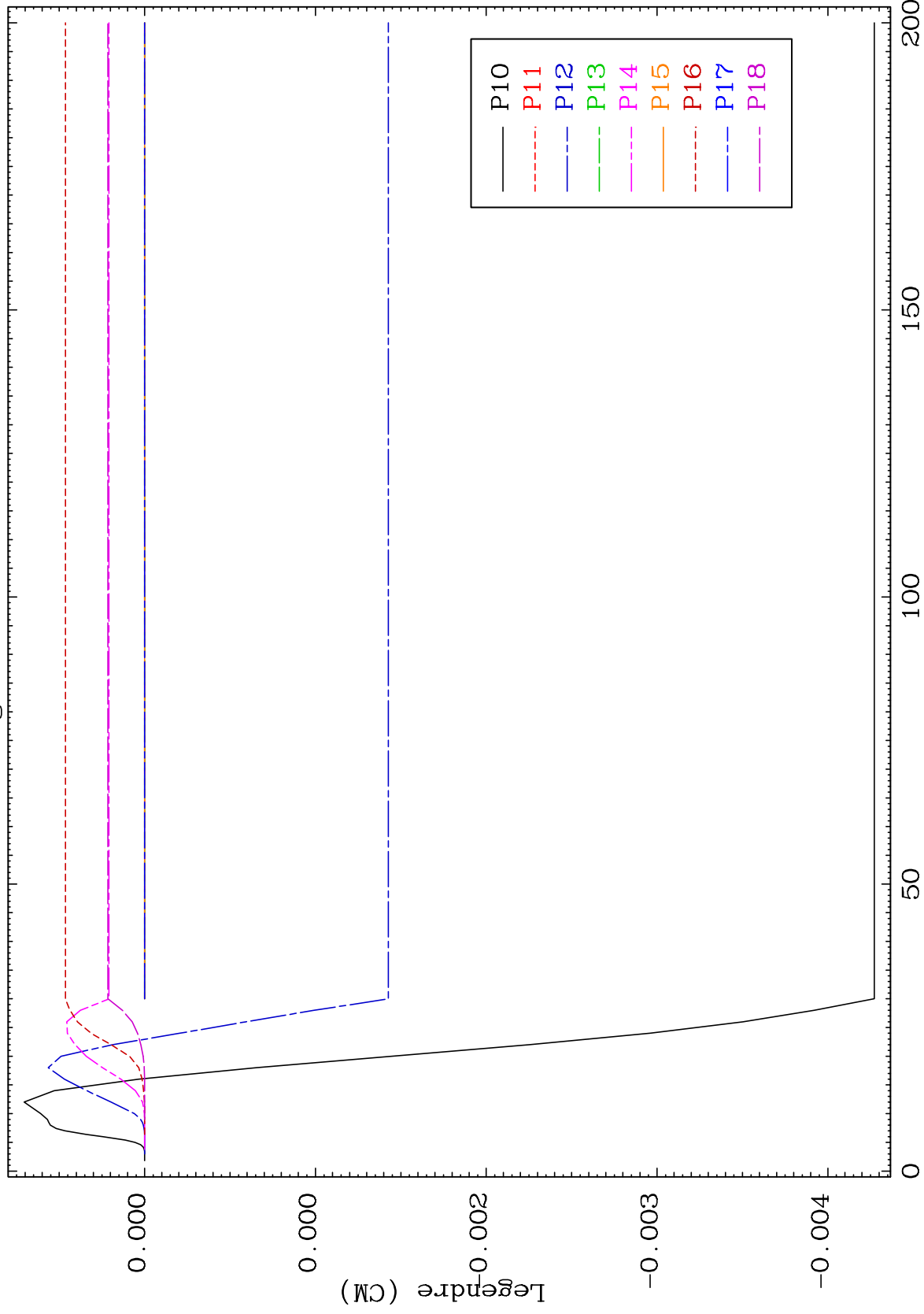




MAT 7019

1.386 MeV (n,n') Level
Legendre Coefficients

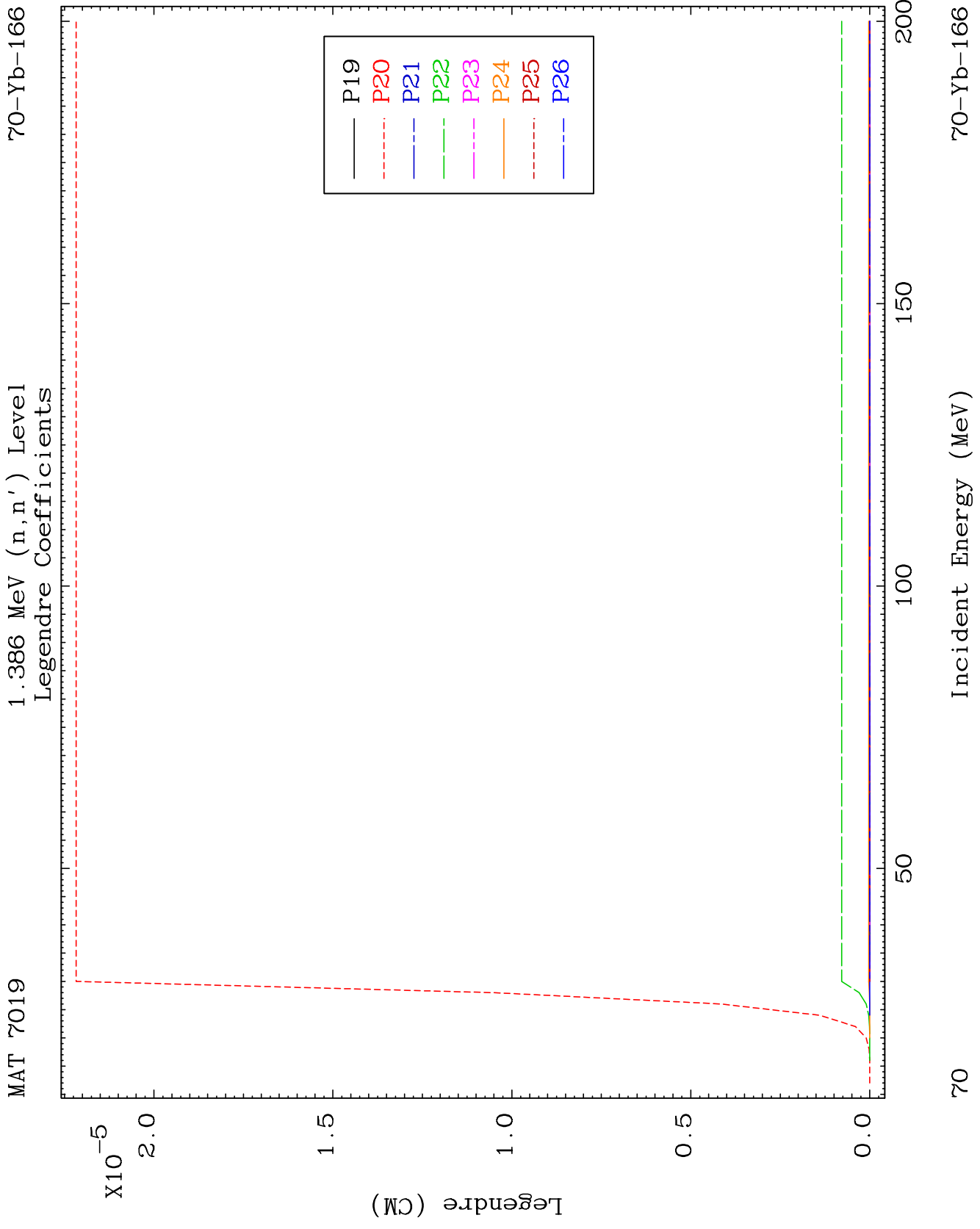
70-Yb-166



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Incident Energy (MeV)

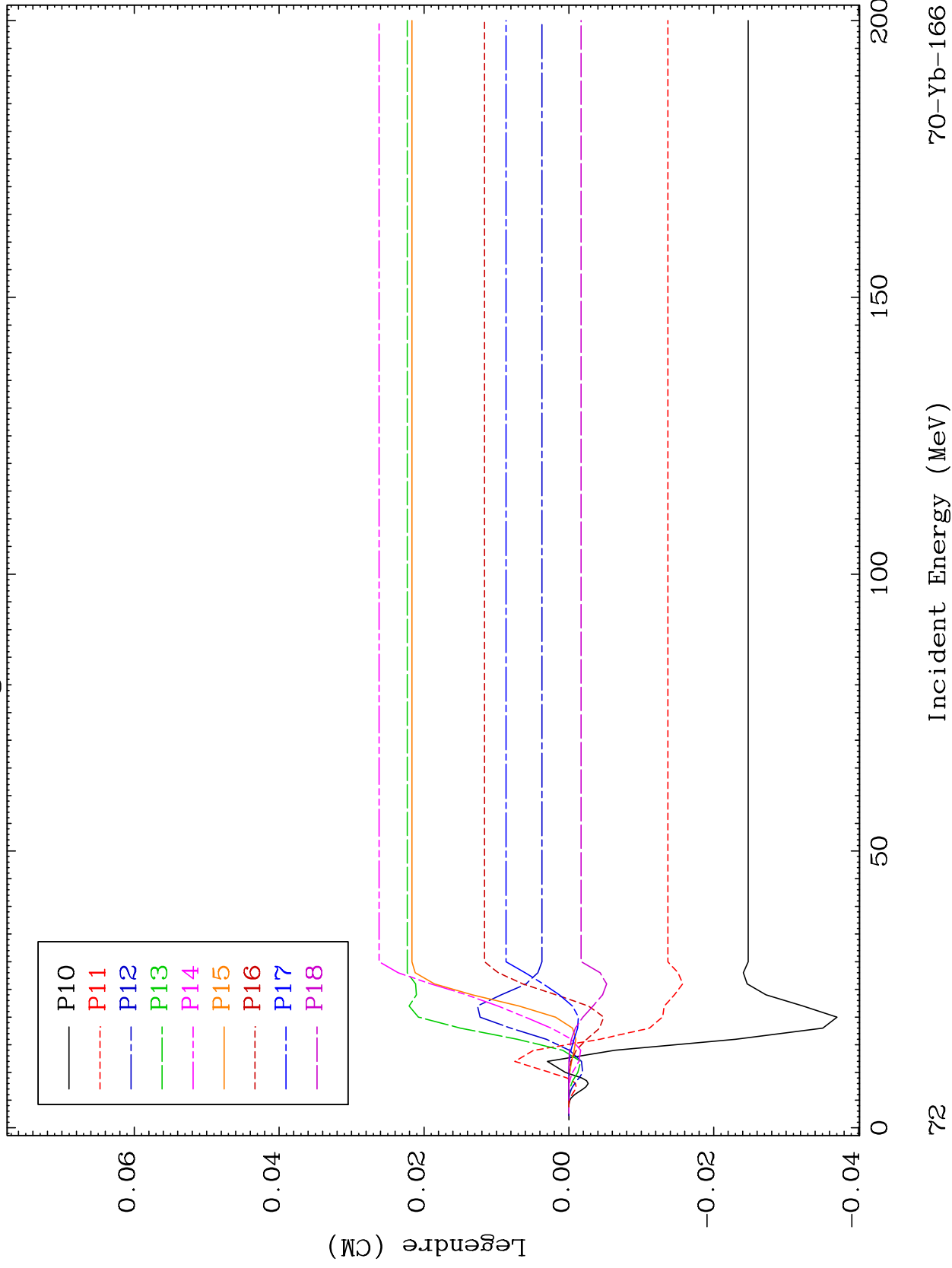
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MAT 7019

1.419 MeV (n,n') Level
Legendre Coefficients

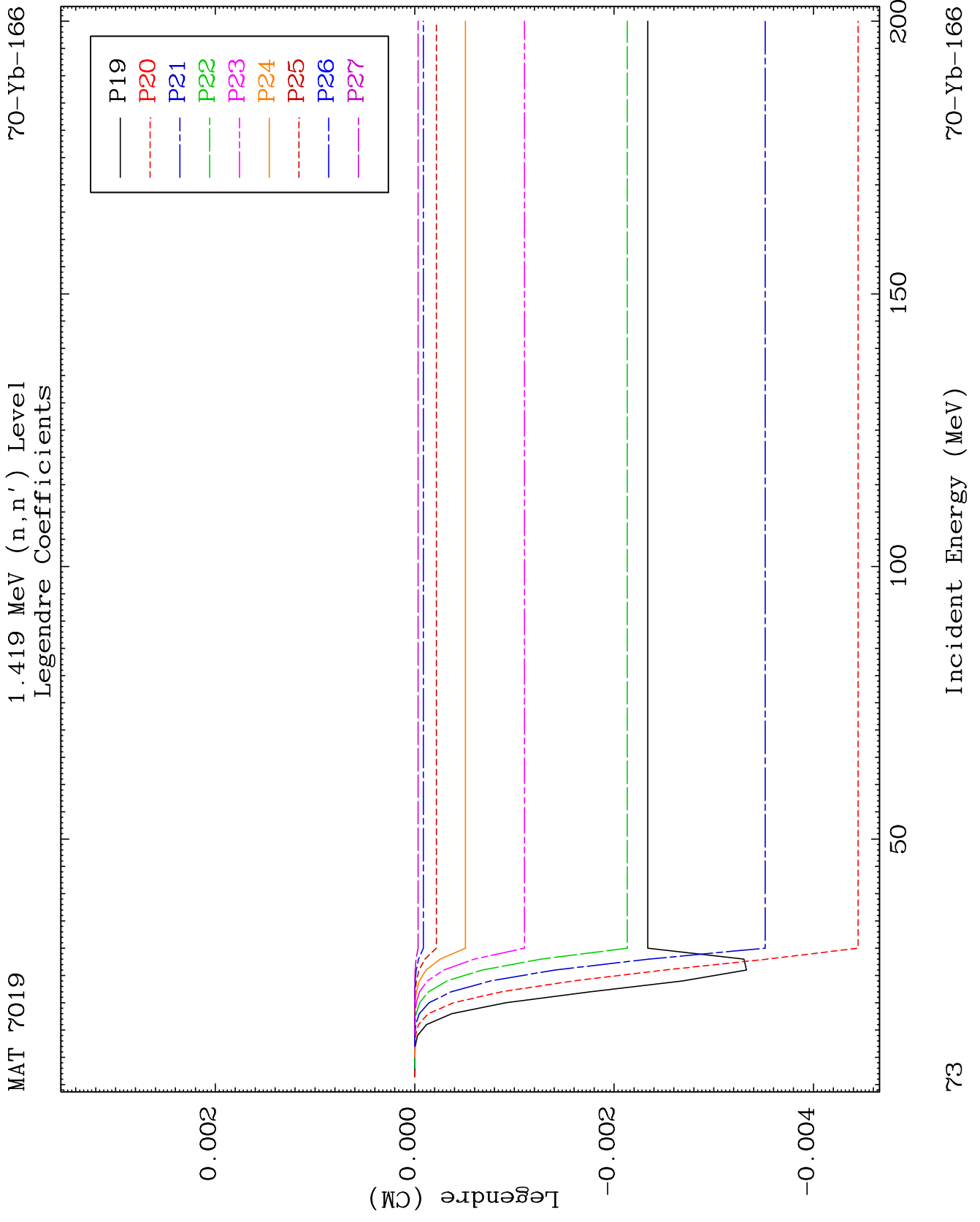
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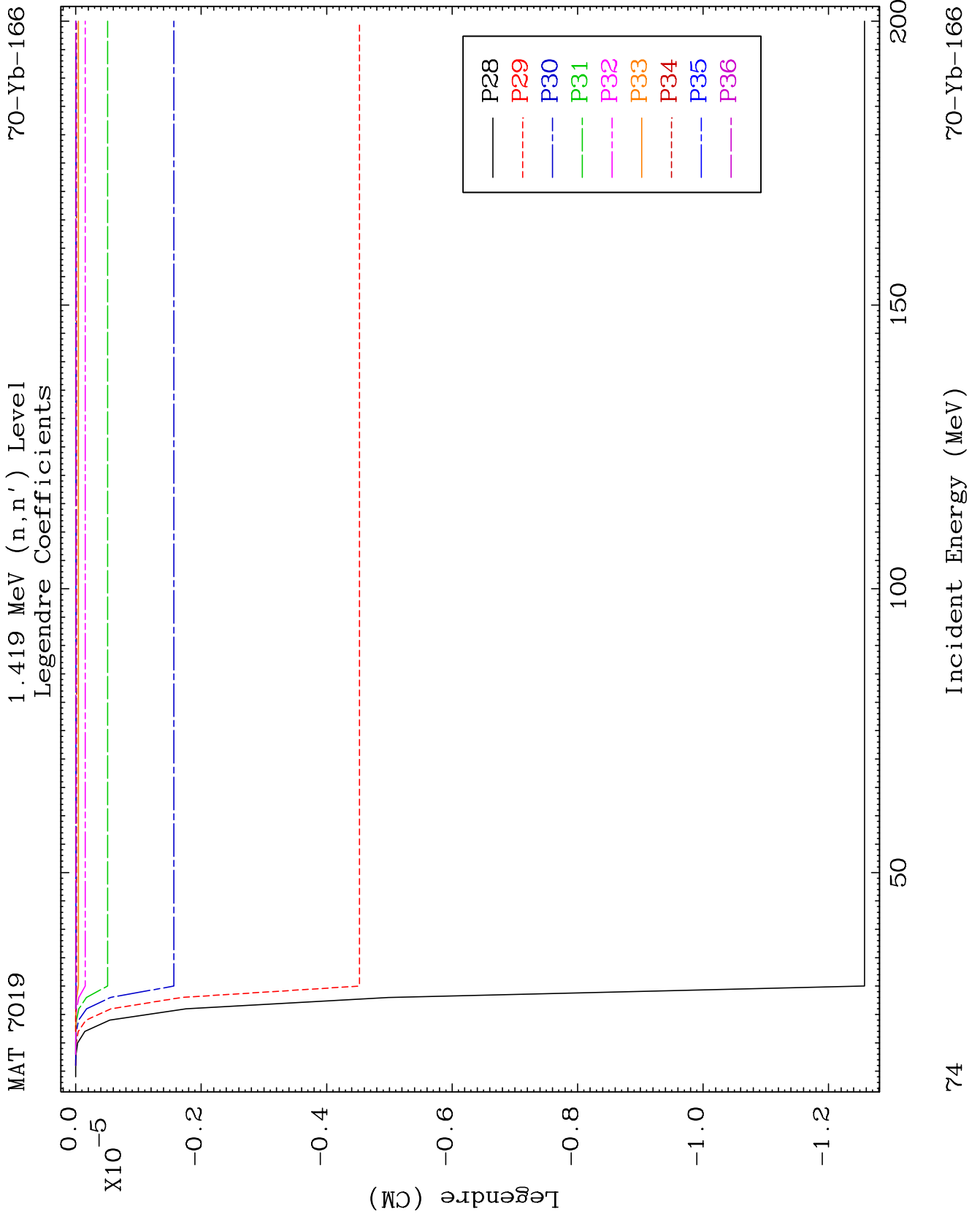


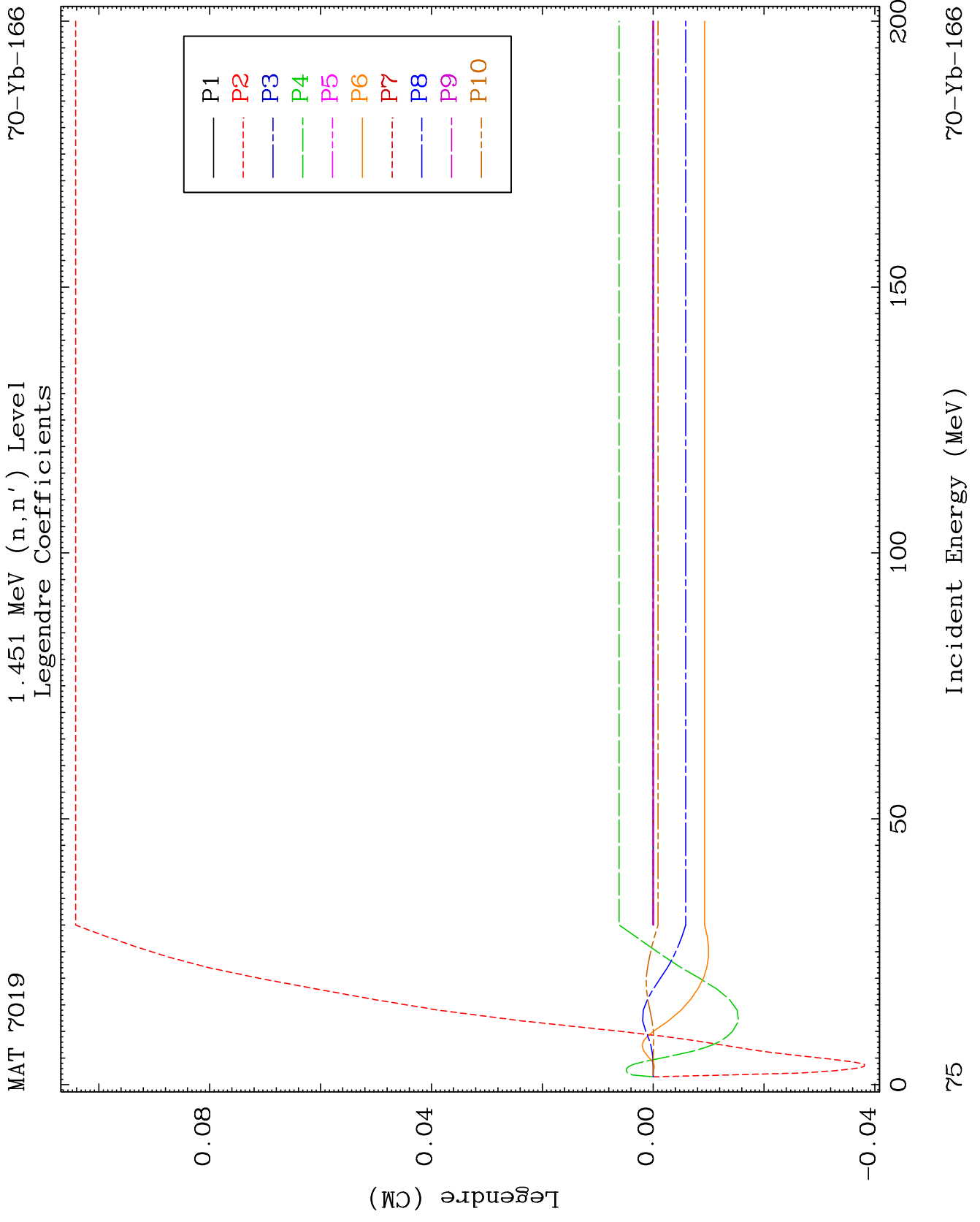
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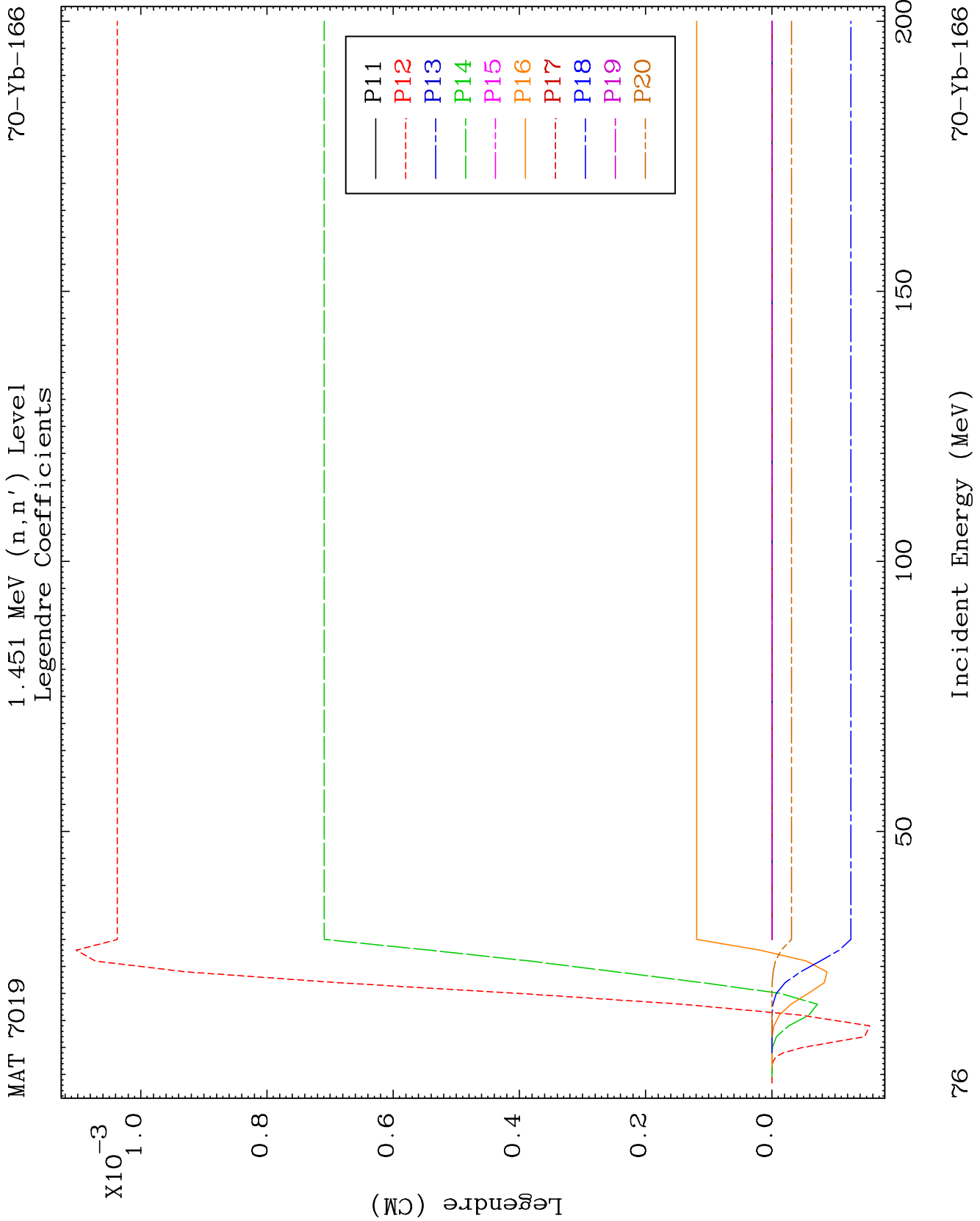
Incident Energy (MeV)

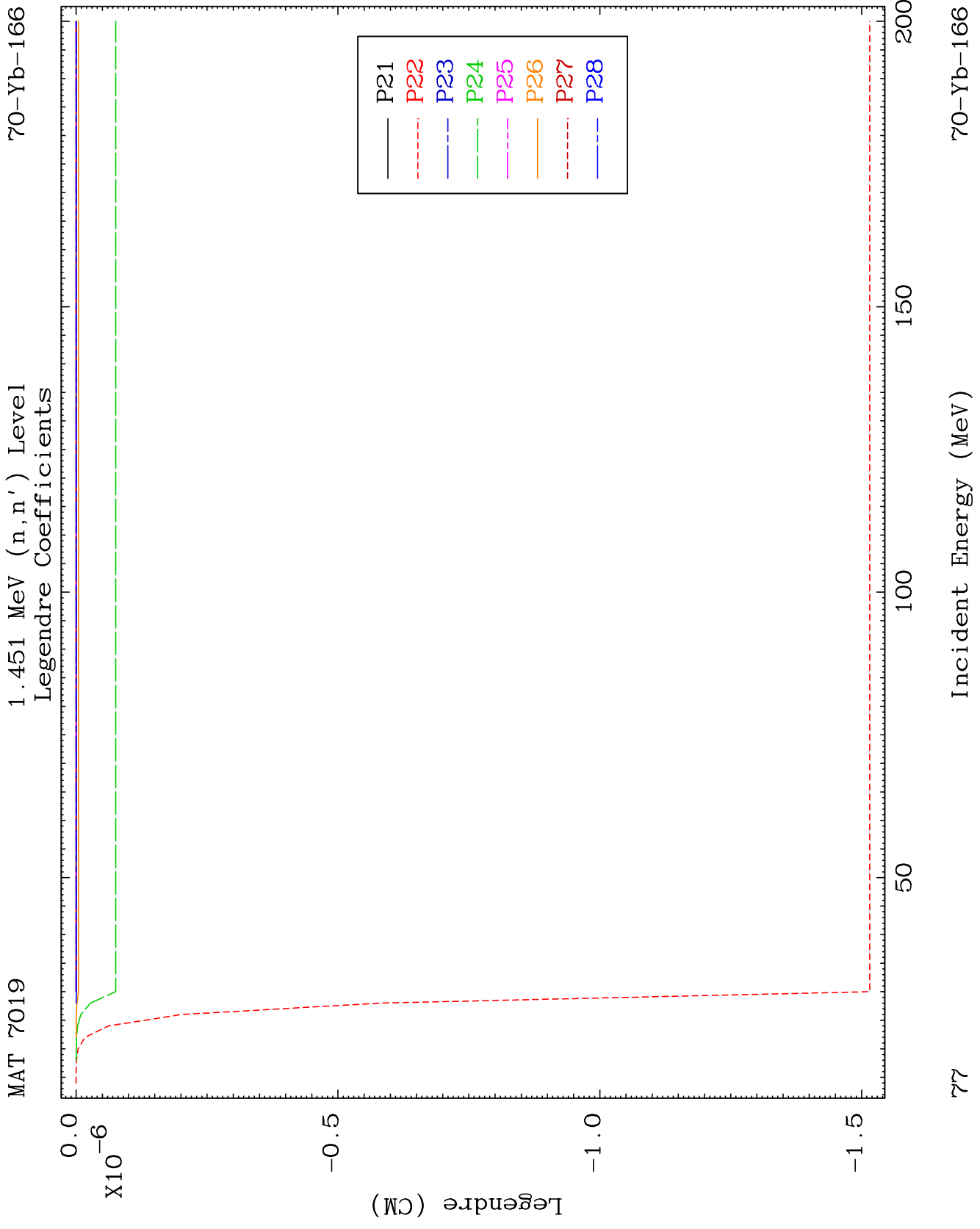
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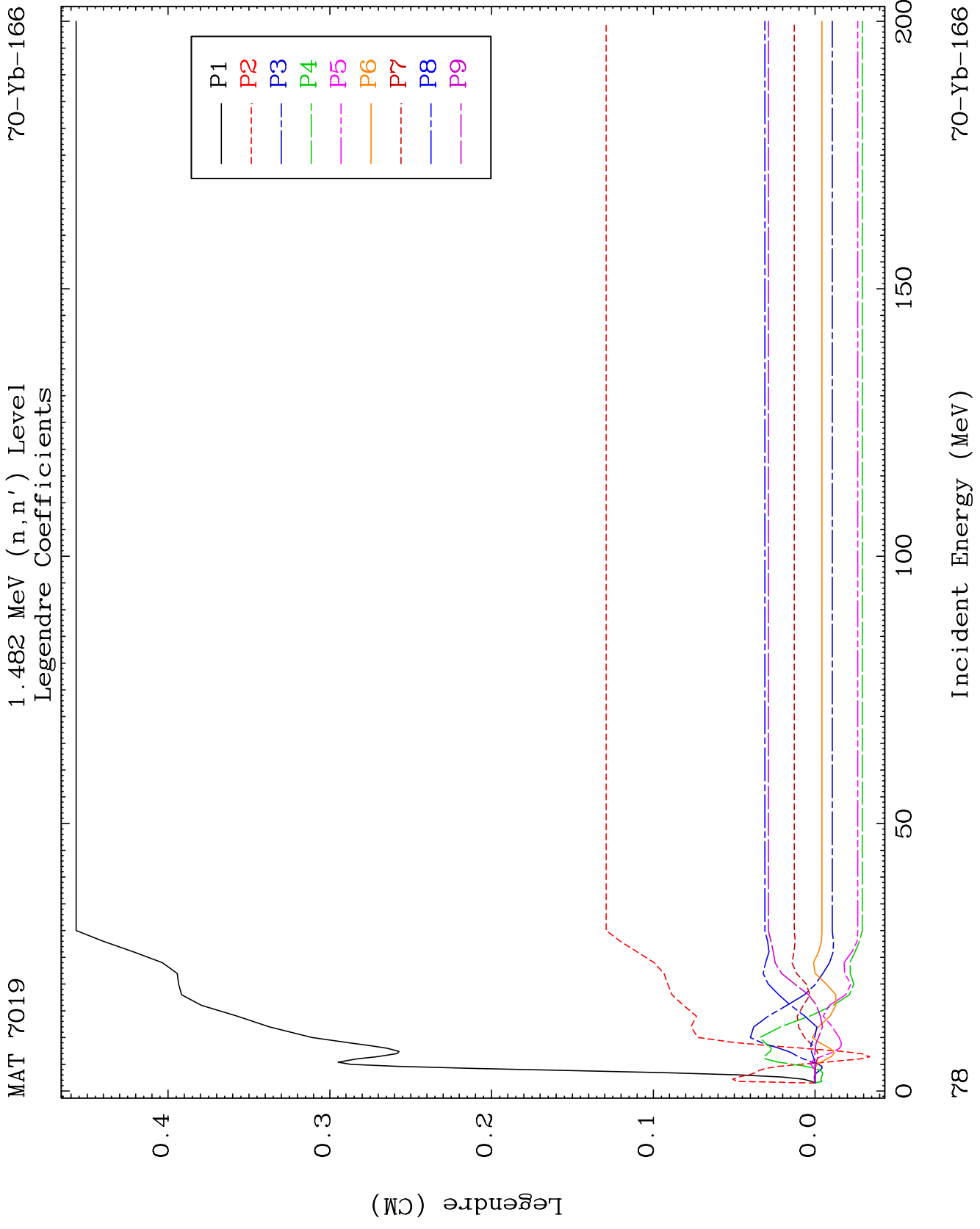








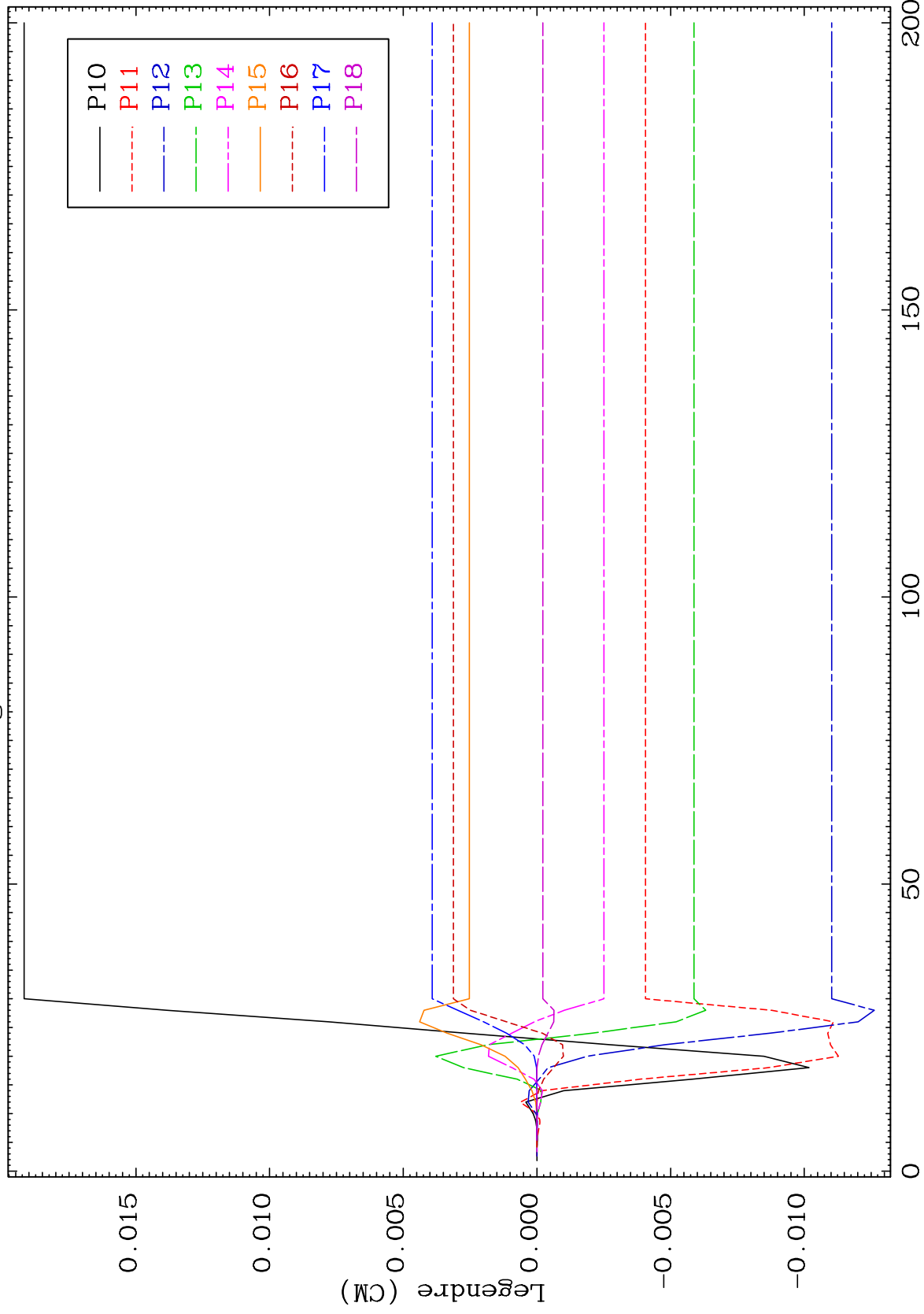




MAT 7019

1.482 MeV (n,n') Level
Legendre Coefficients

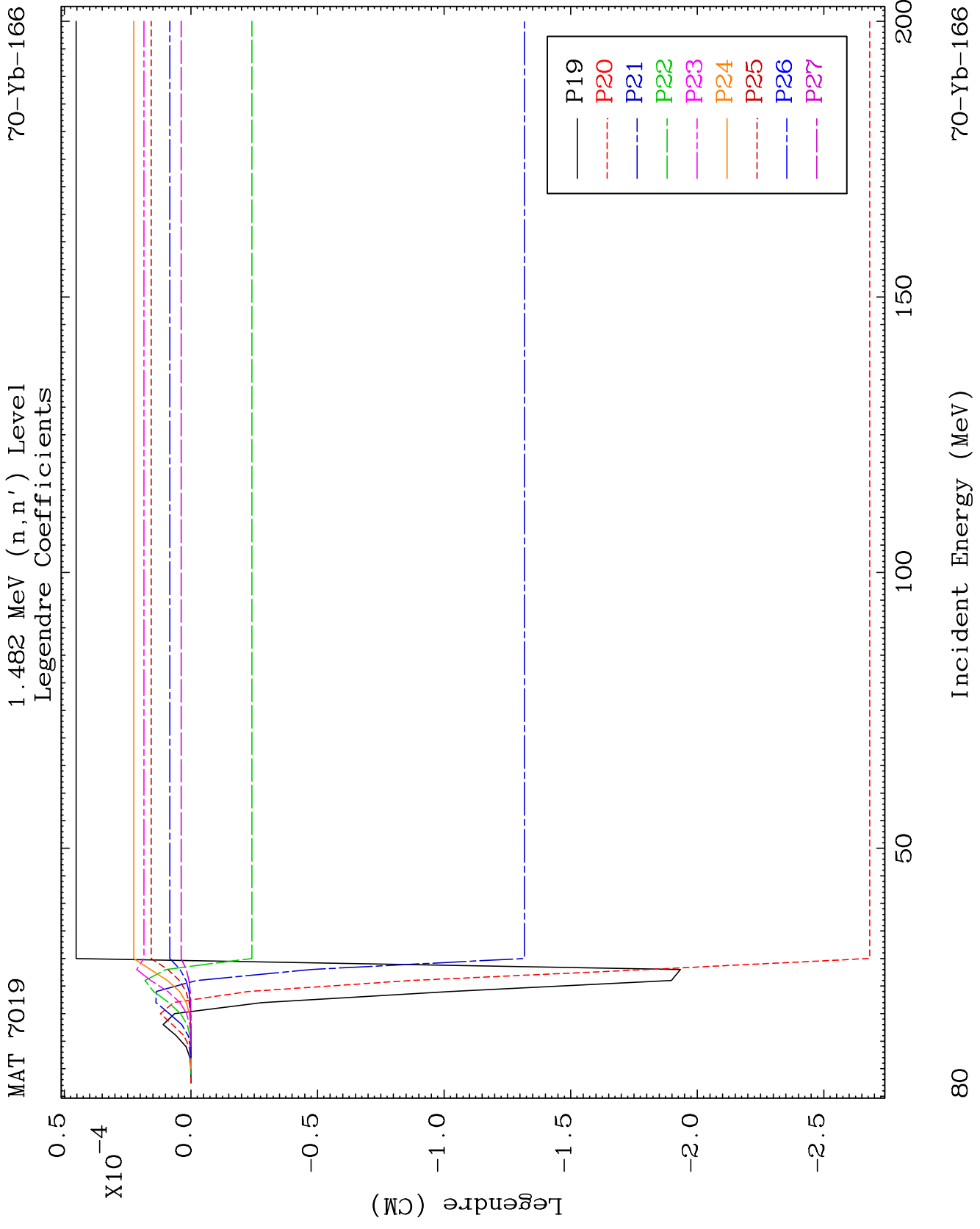
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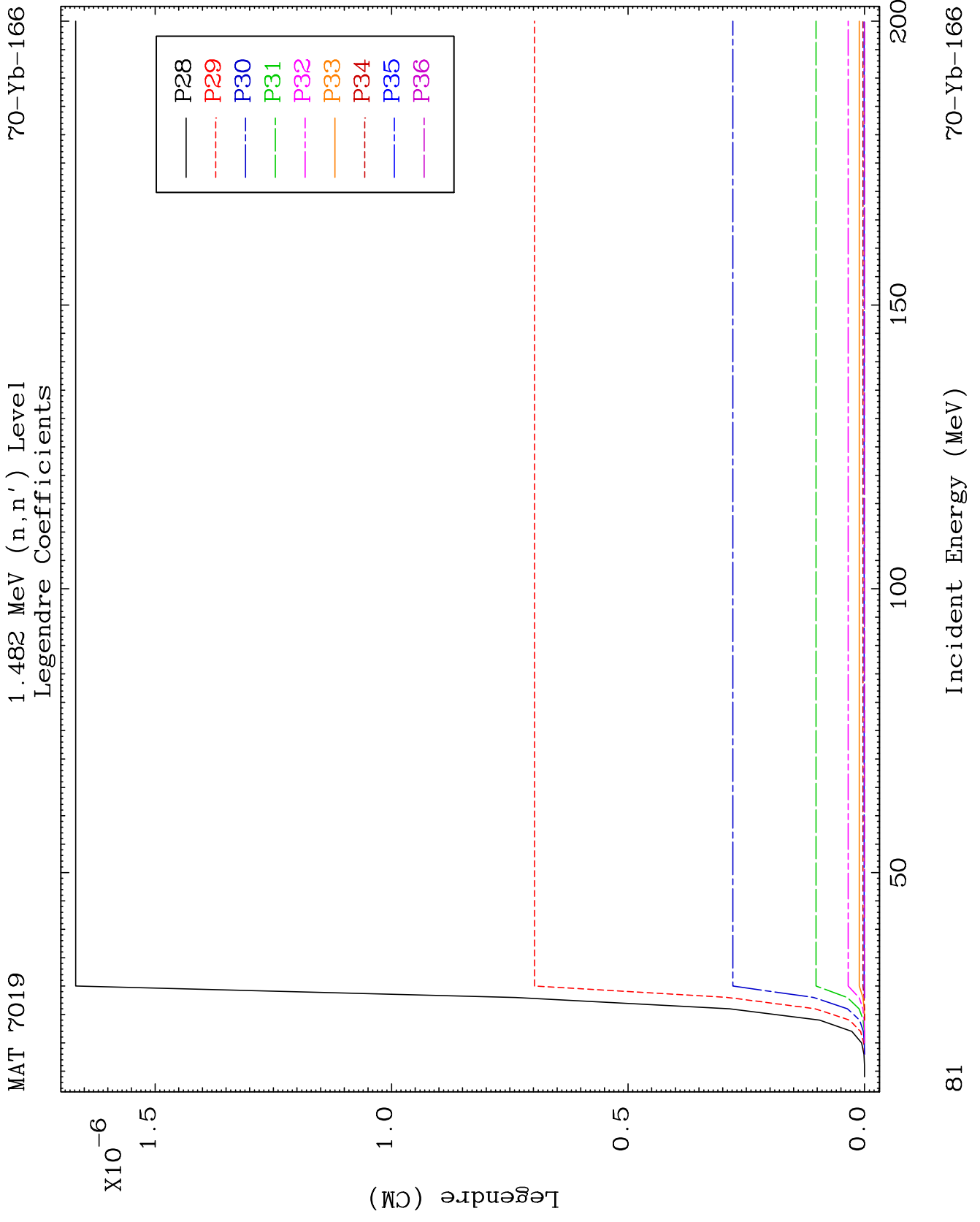


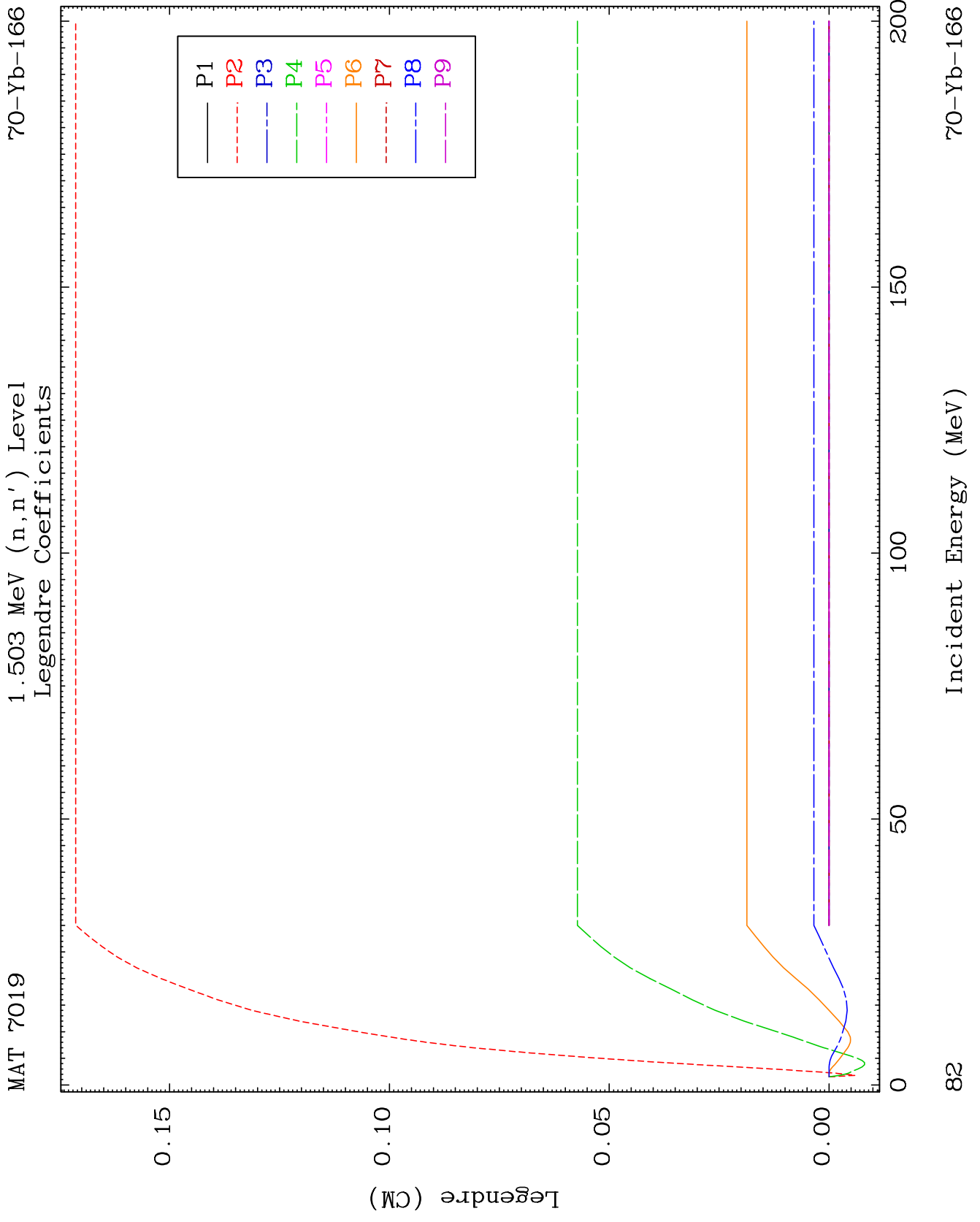
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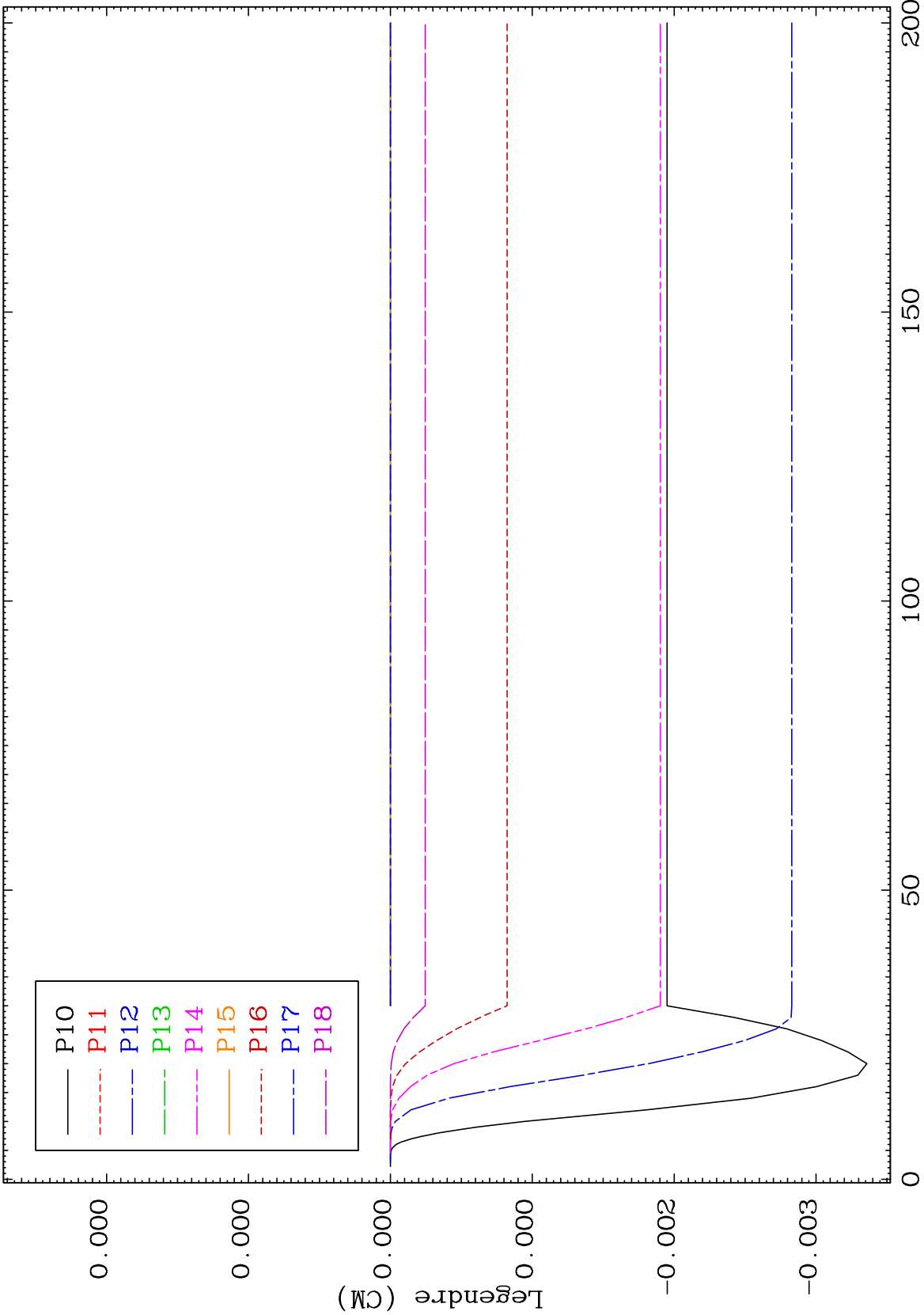
Incident Energy (MeV)

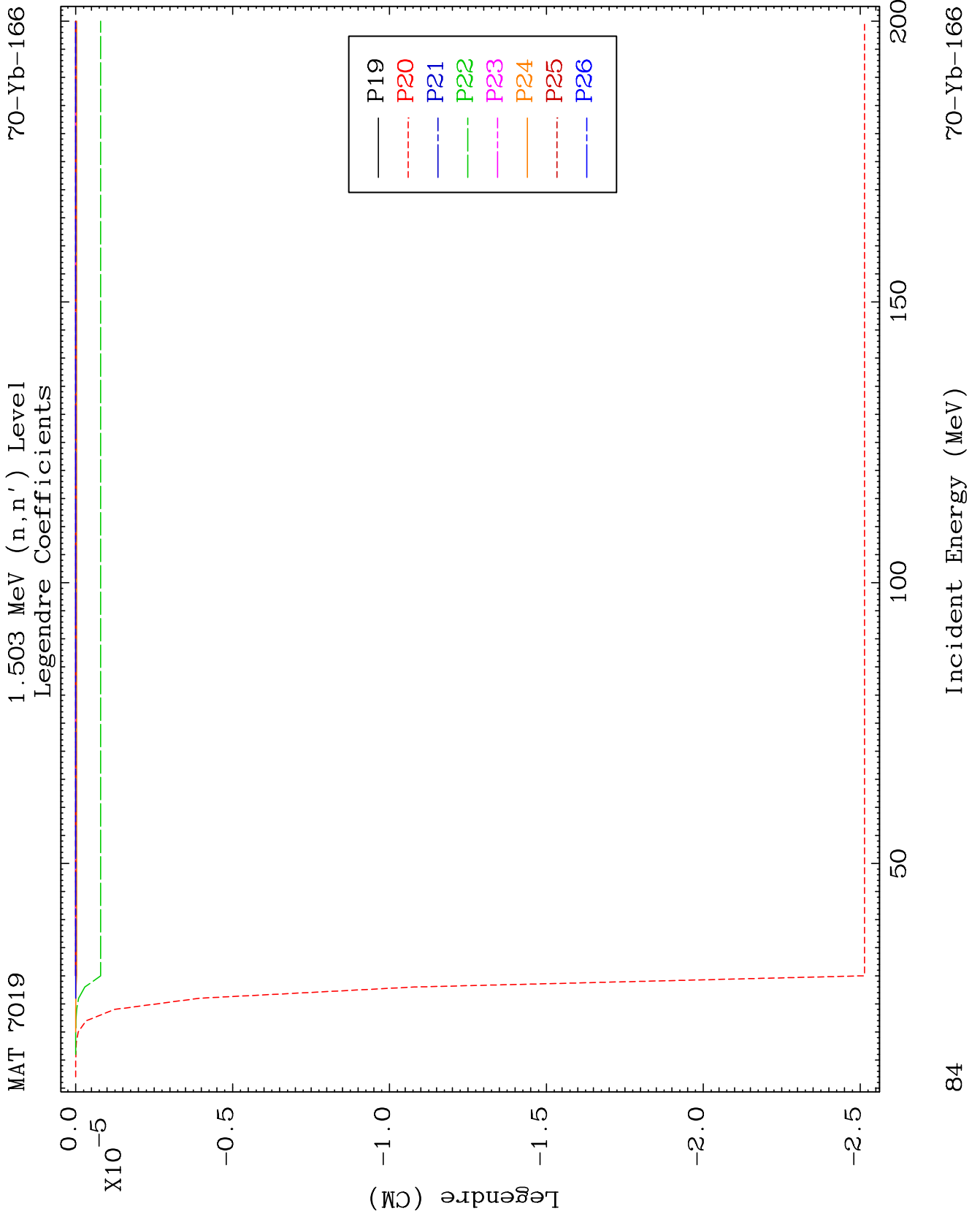
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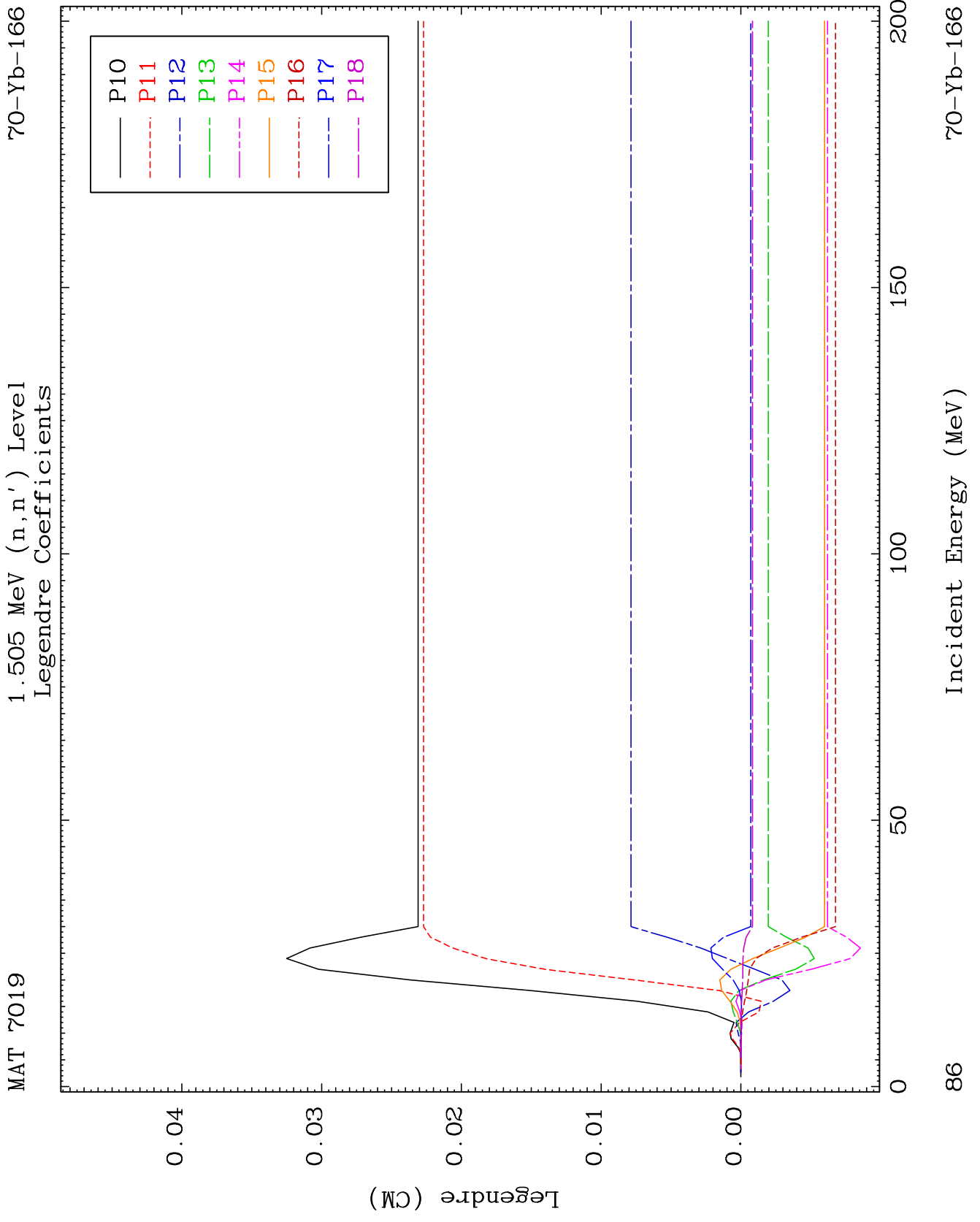


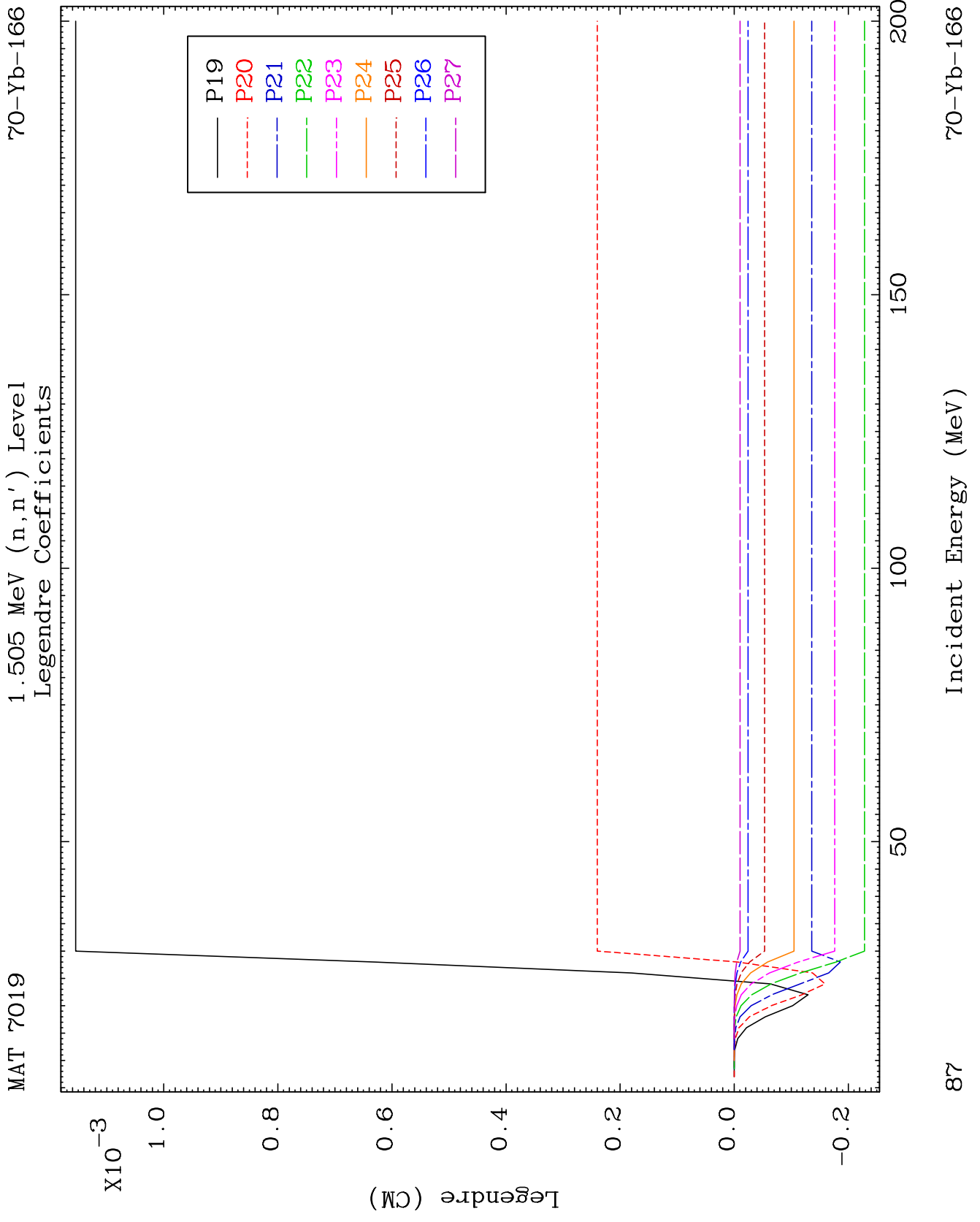


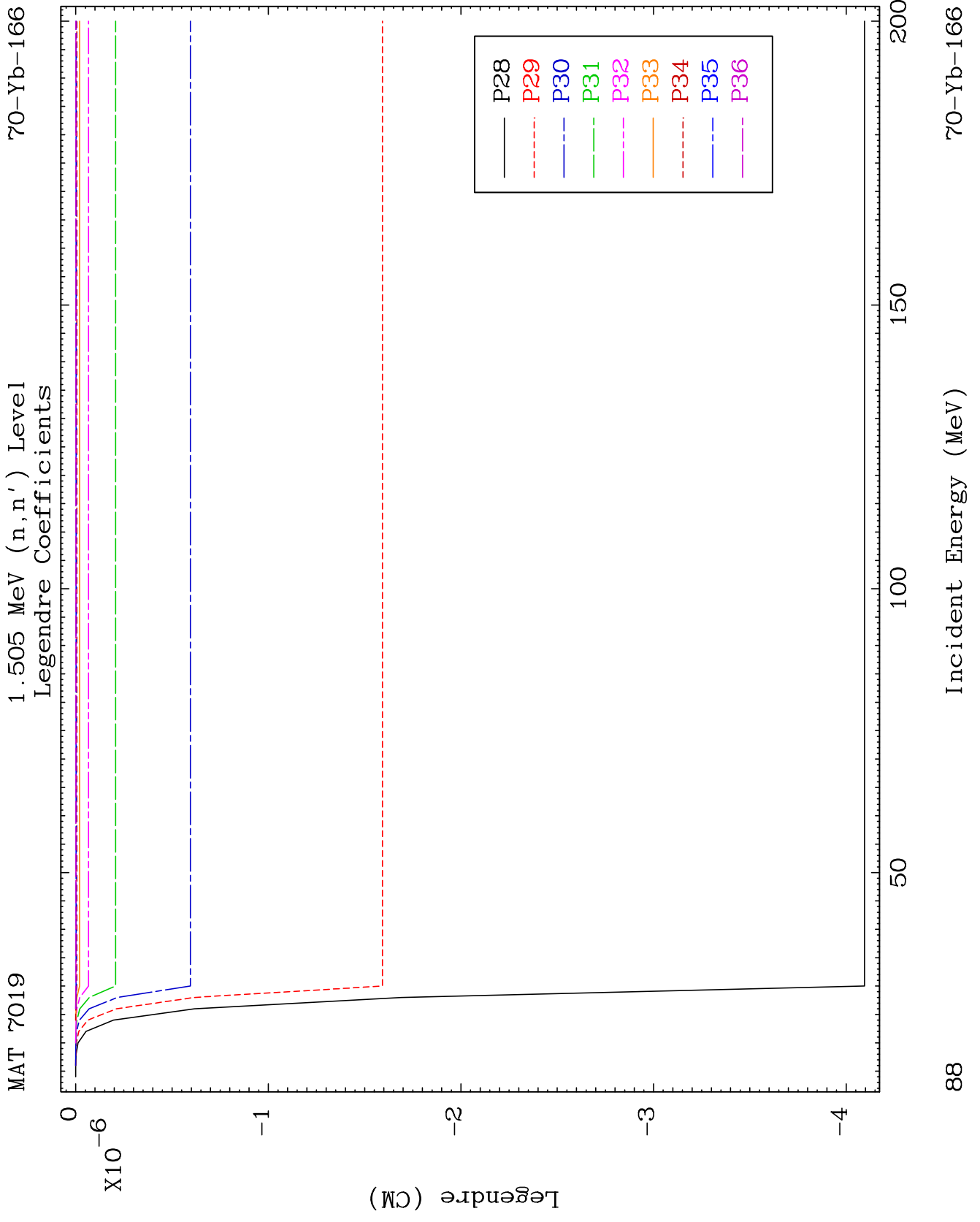


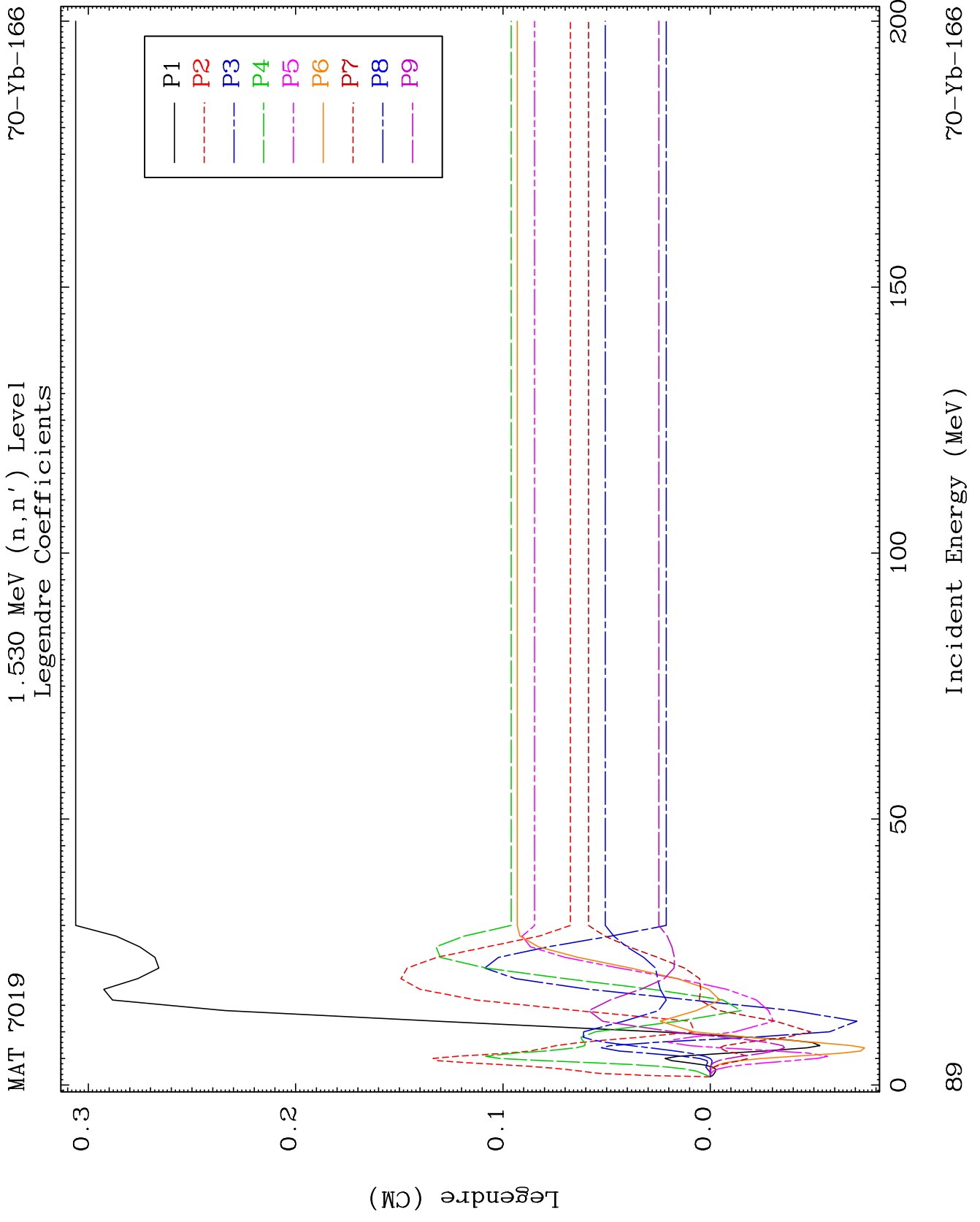


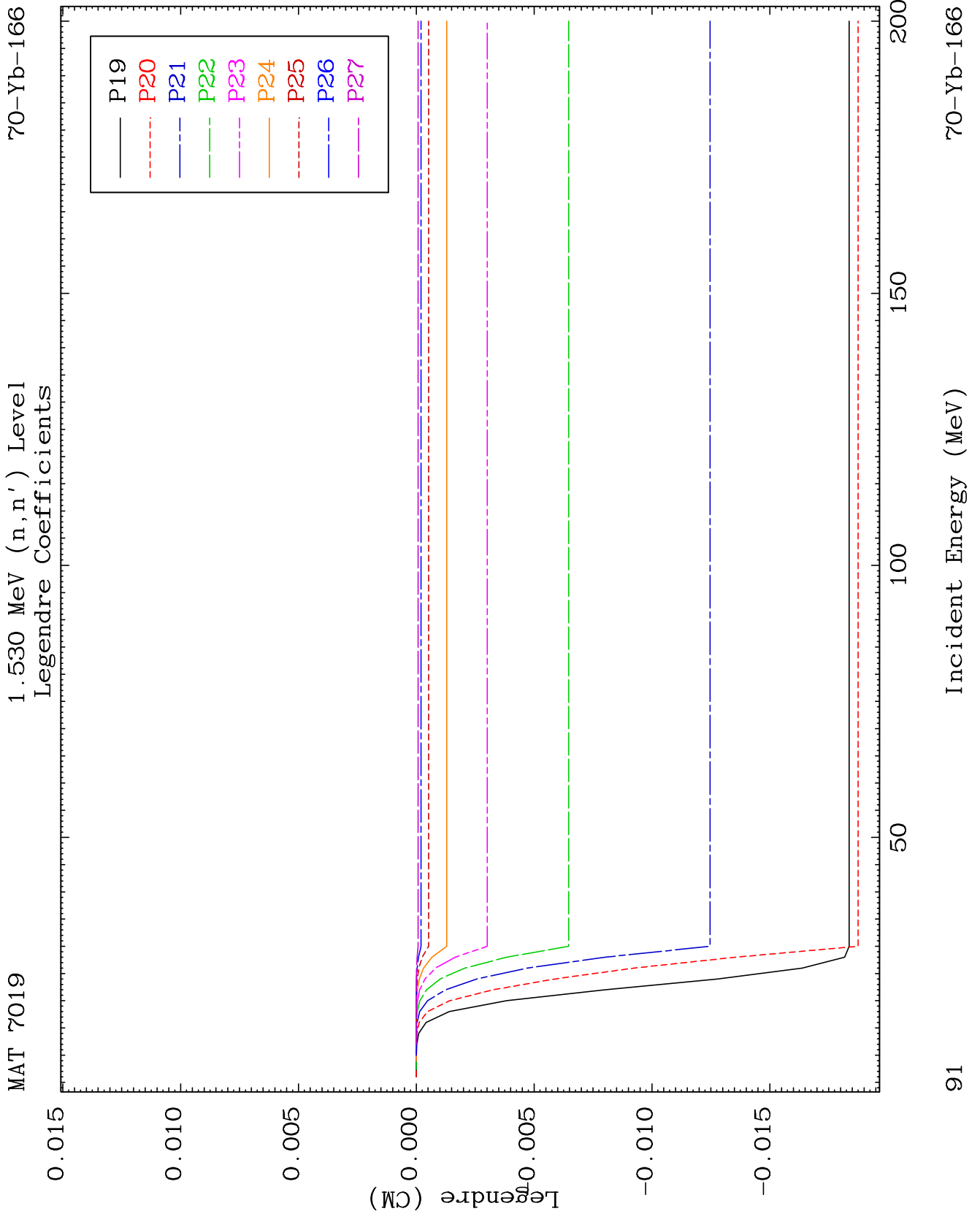


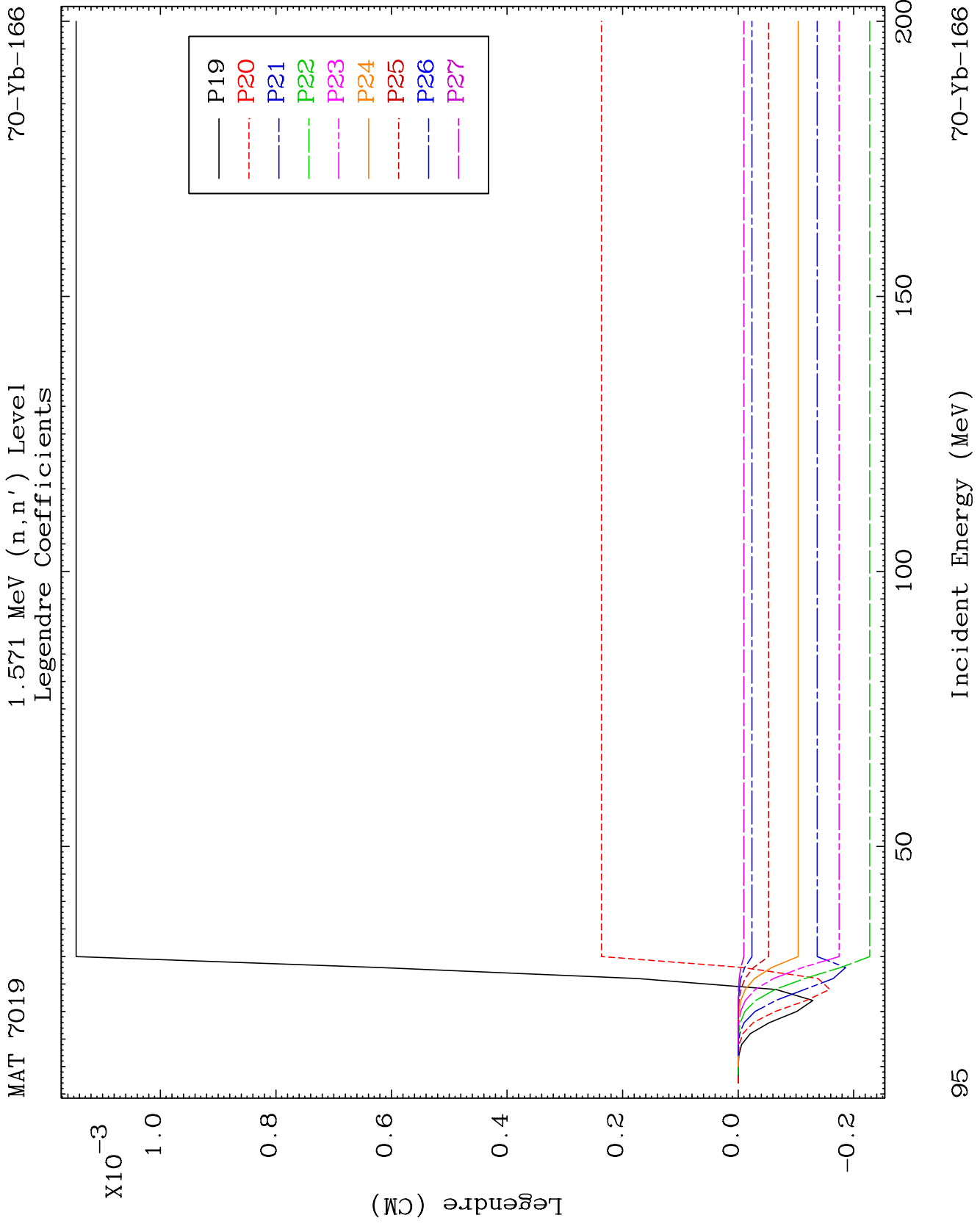


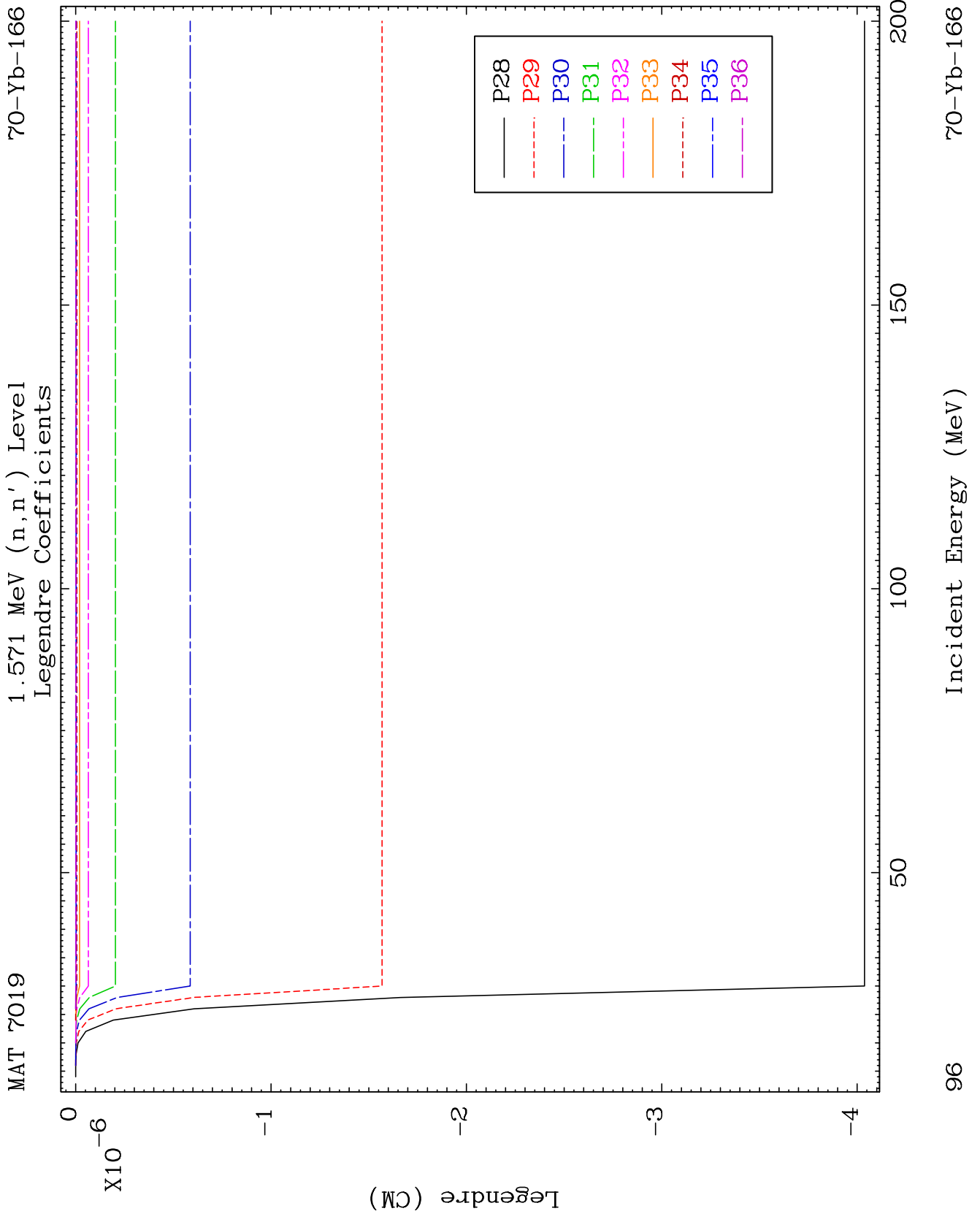








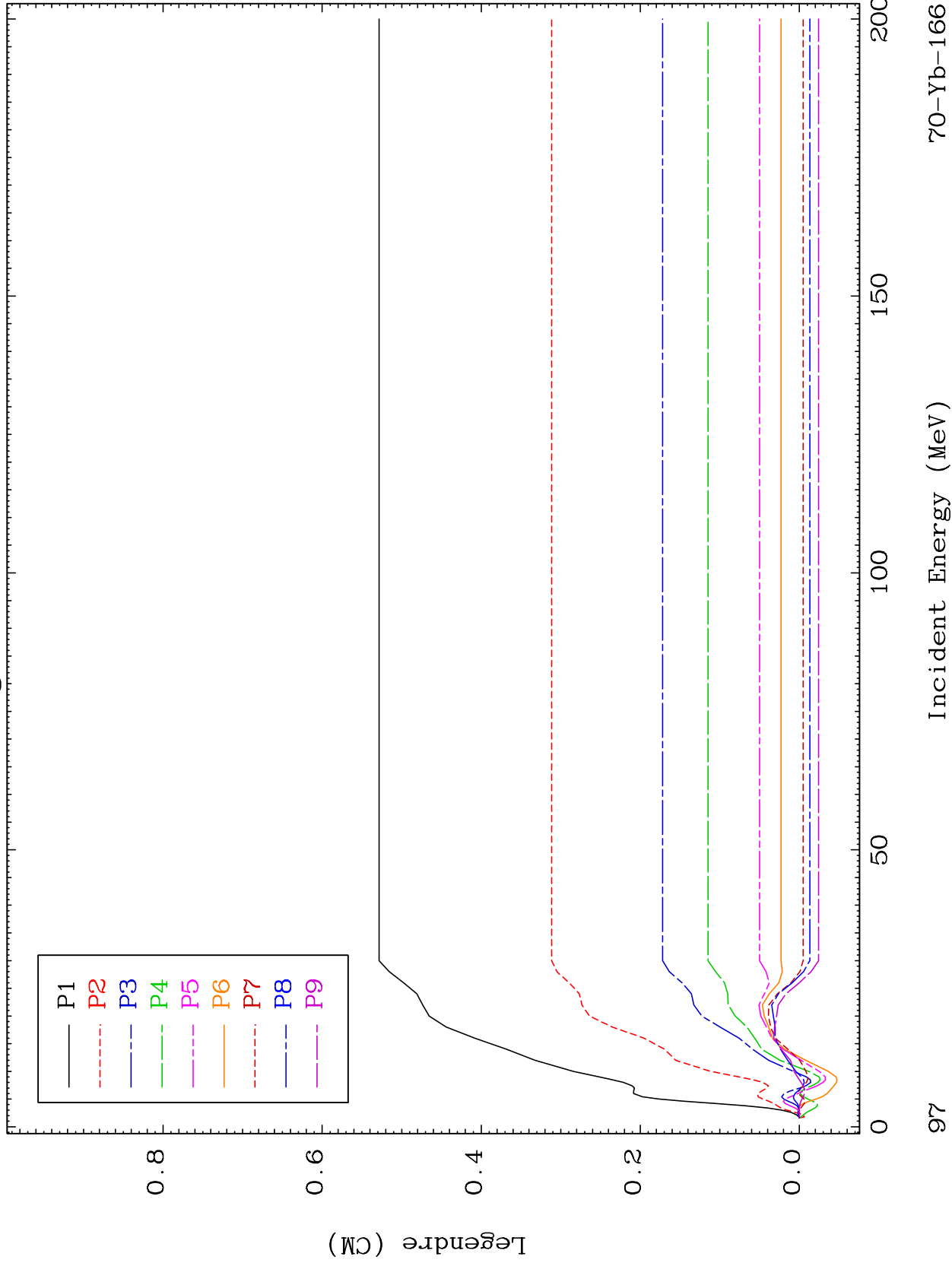




MAT 7019

1.580 MeV (n,n') Level
Legendre Coefficients

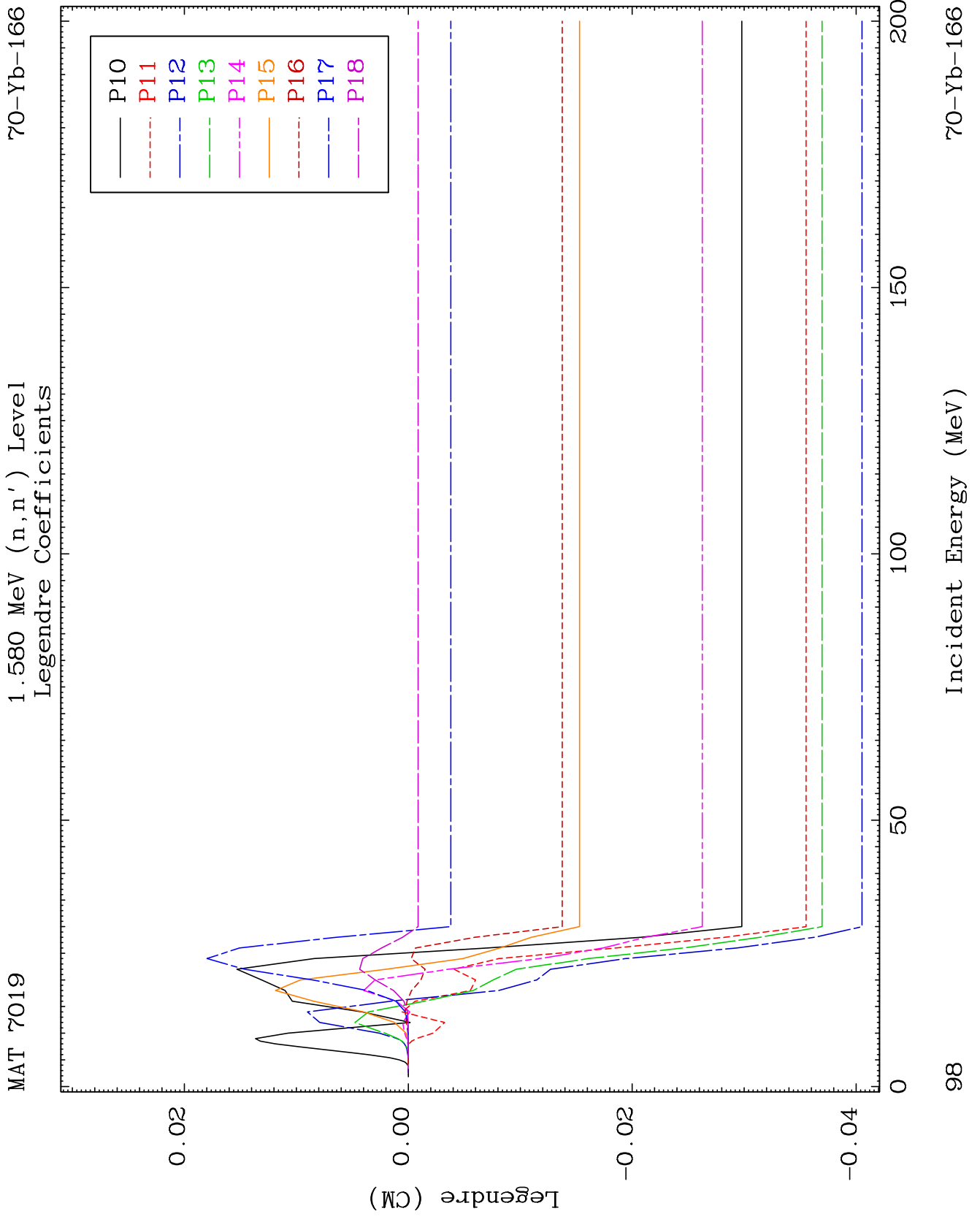
70-Yb-166

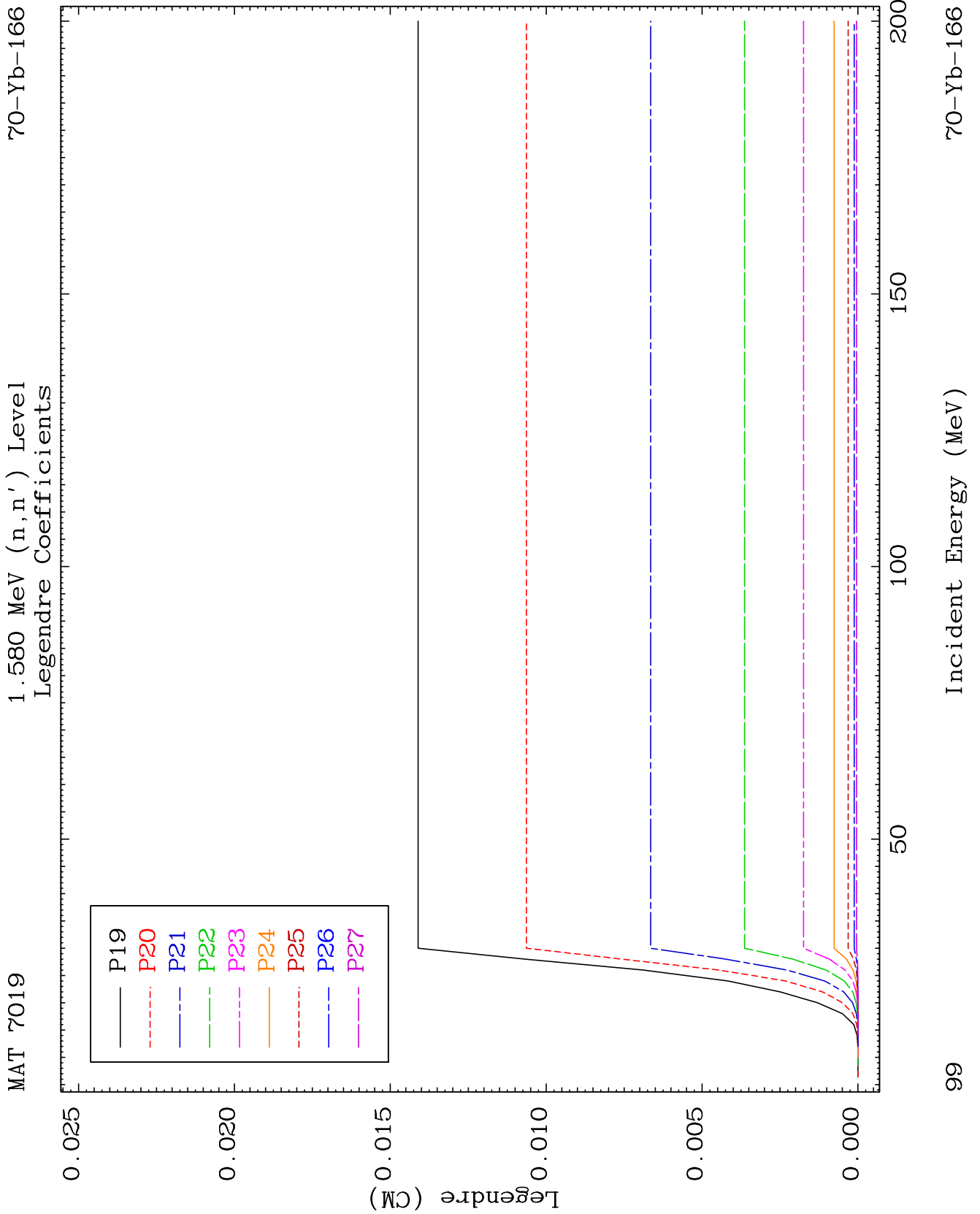


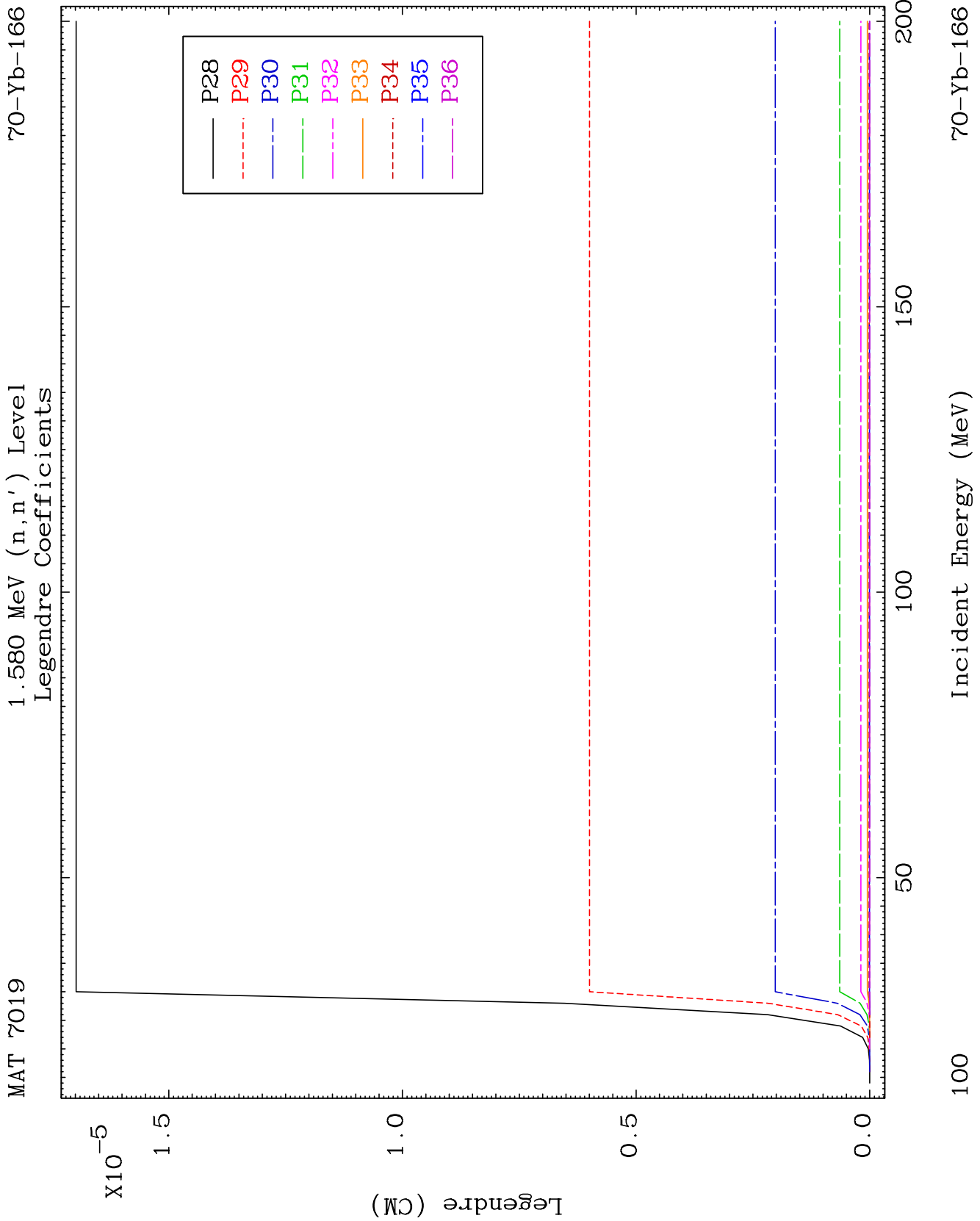
97

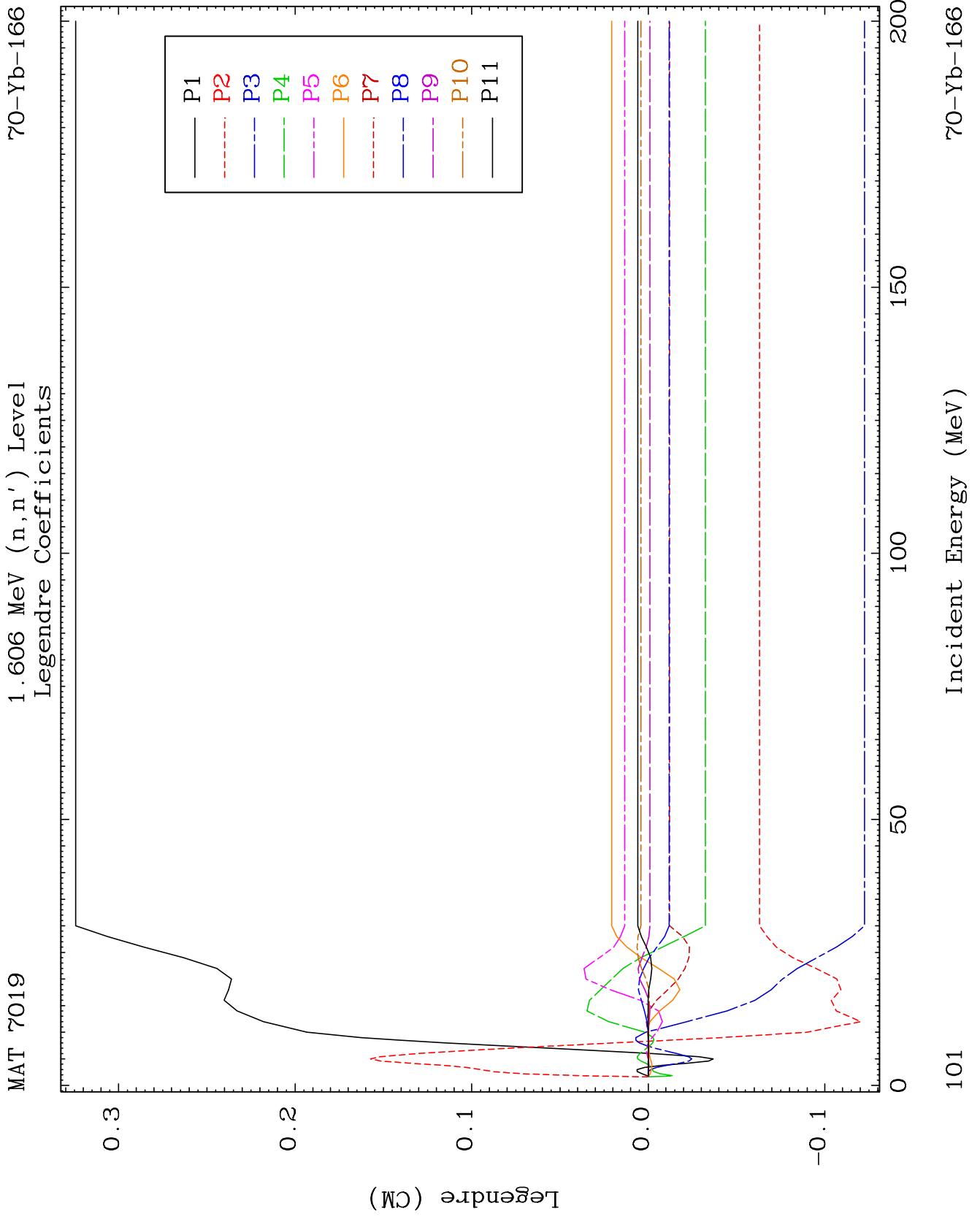
Incident Energy (MeV)

70-Yb-166





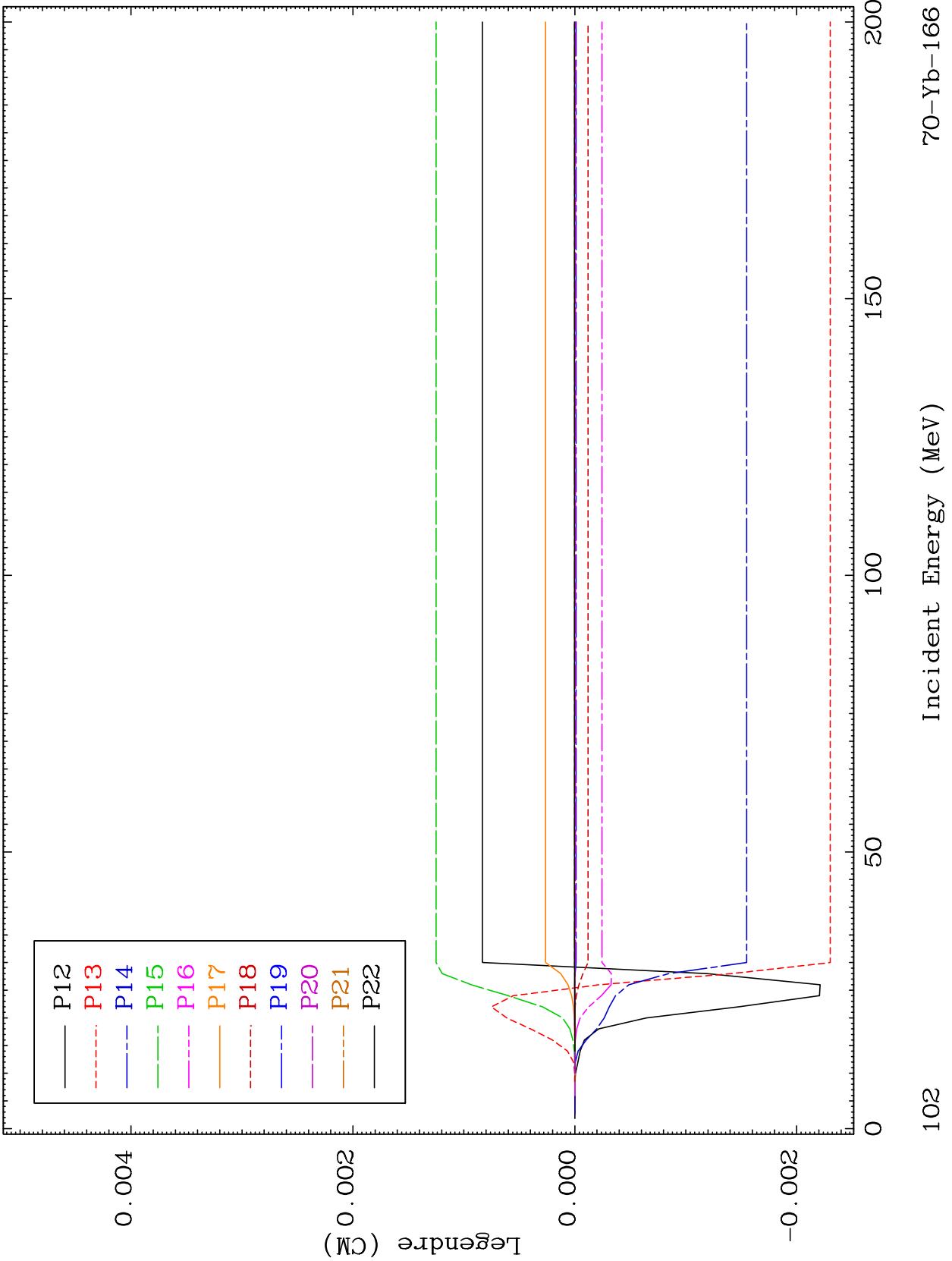




MAT 7019

1.606 MeV (n,n') Level
Legendre Coefficients

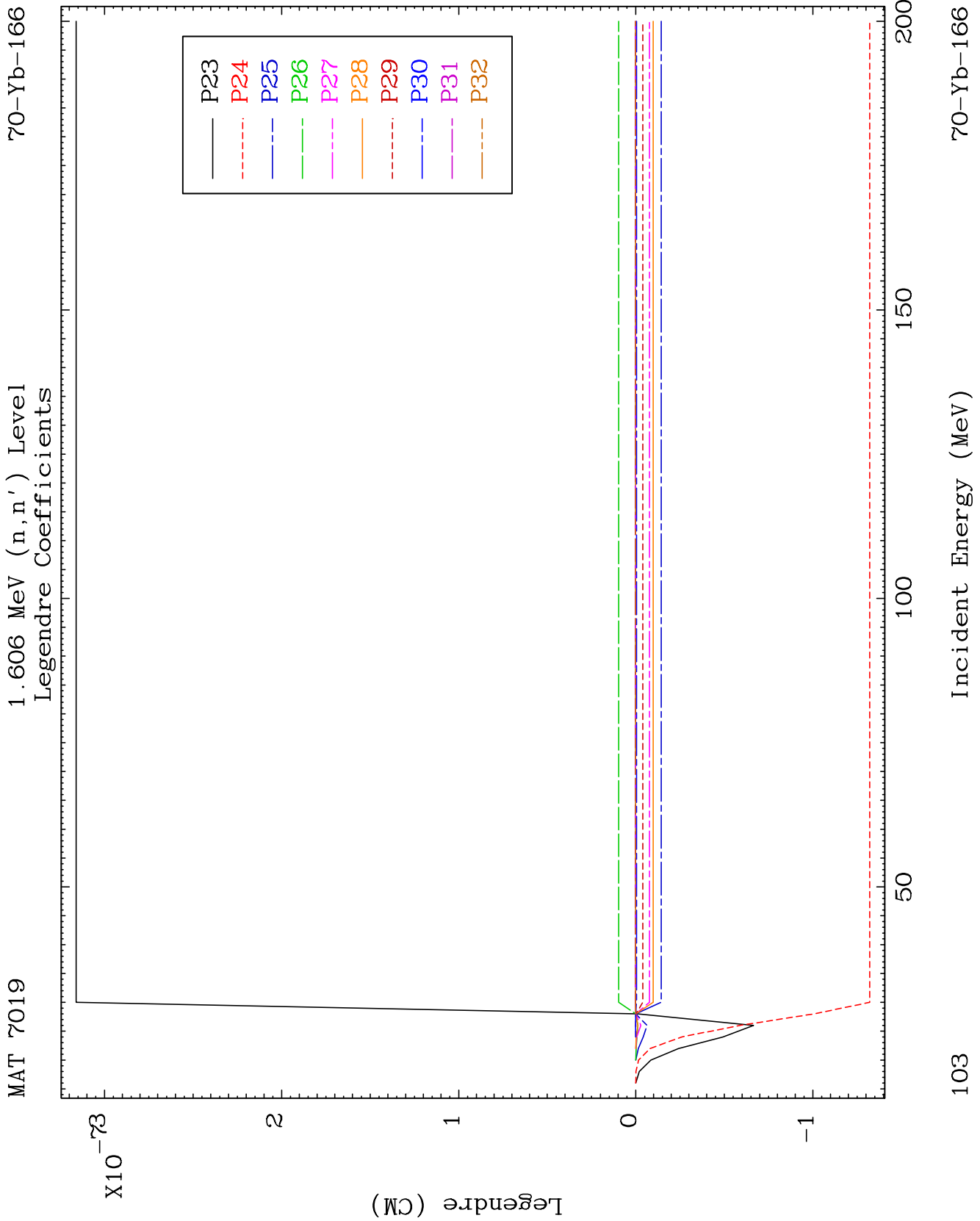
70-Yb-166

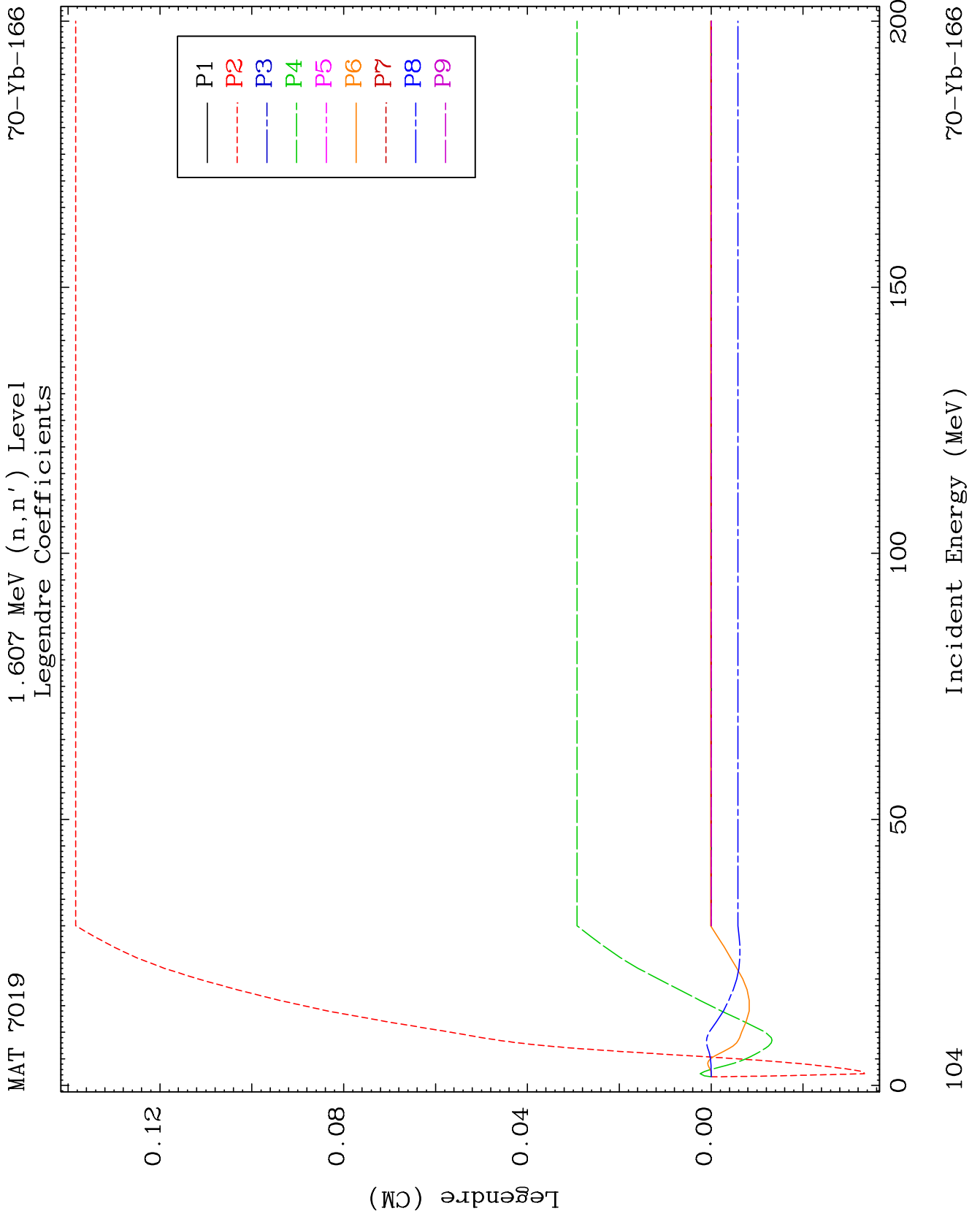


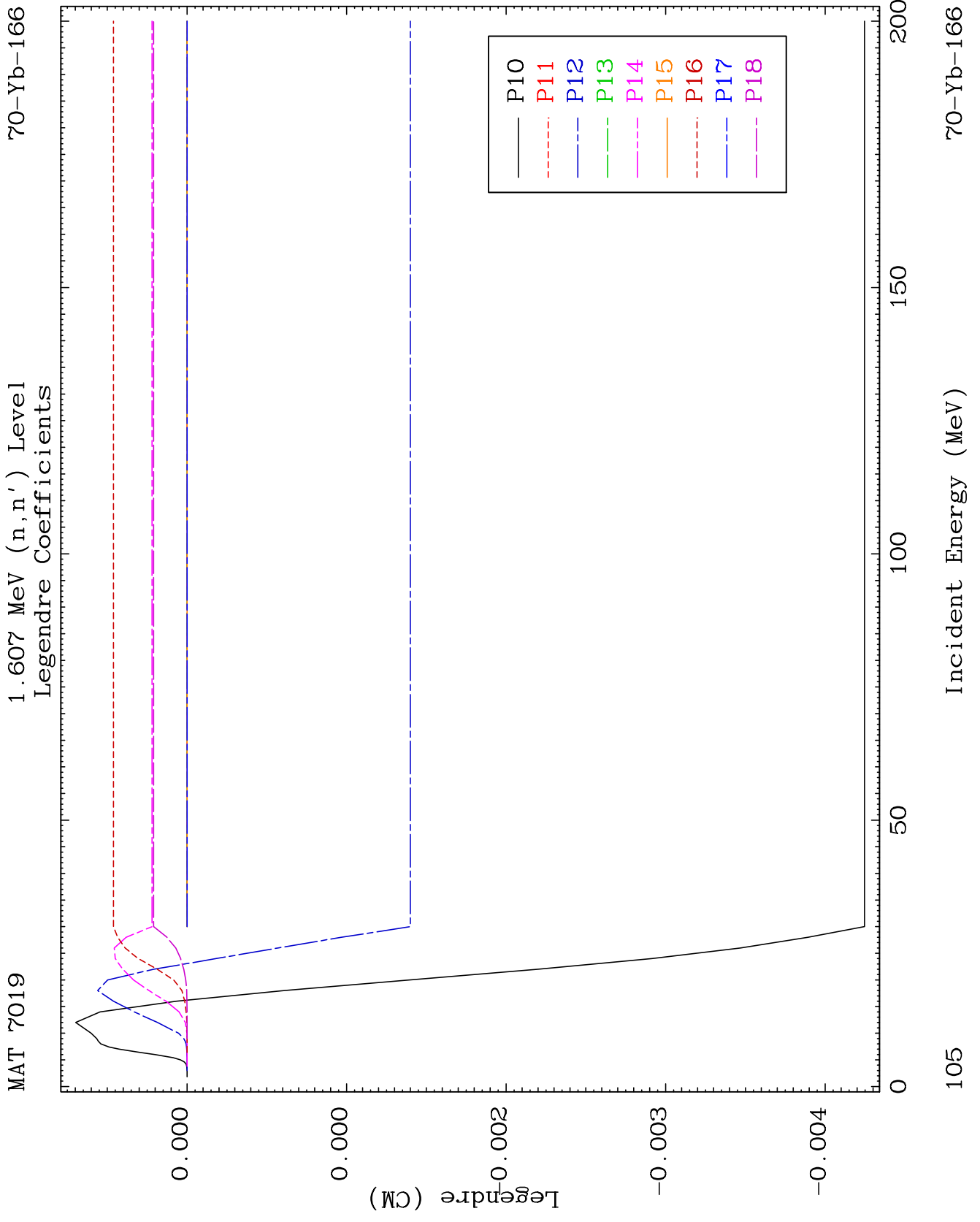
102

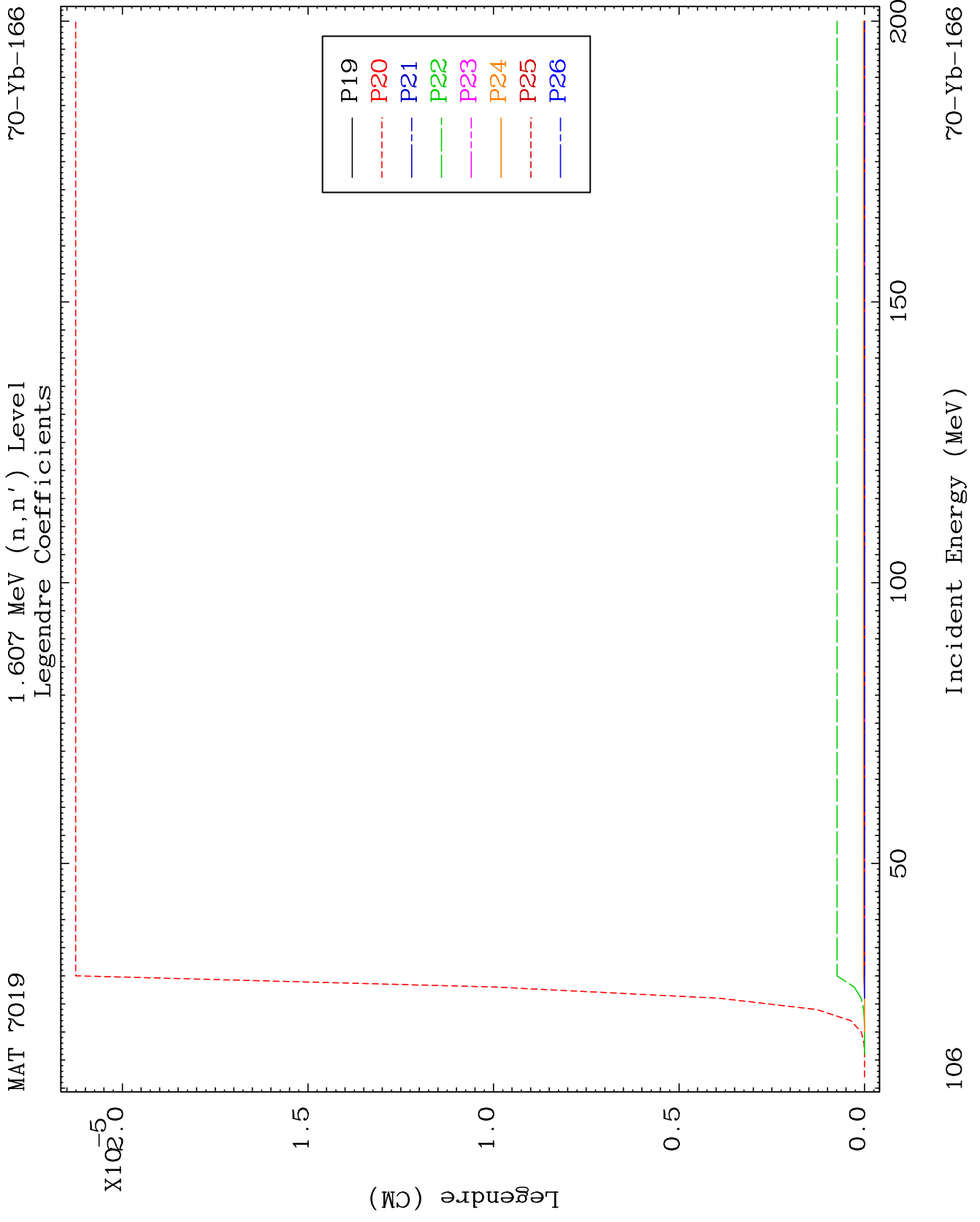
Incident Energy (MeV)

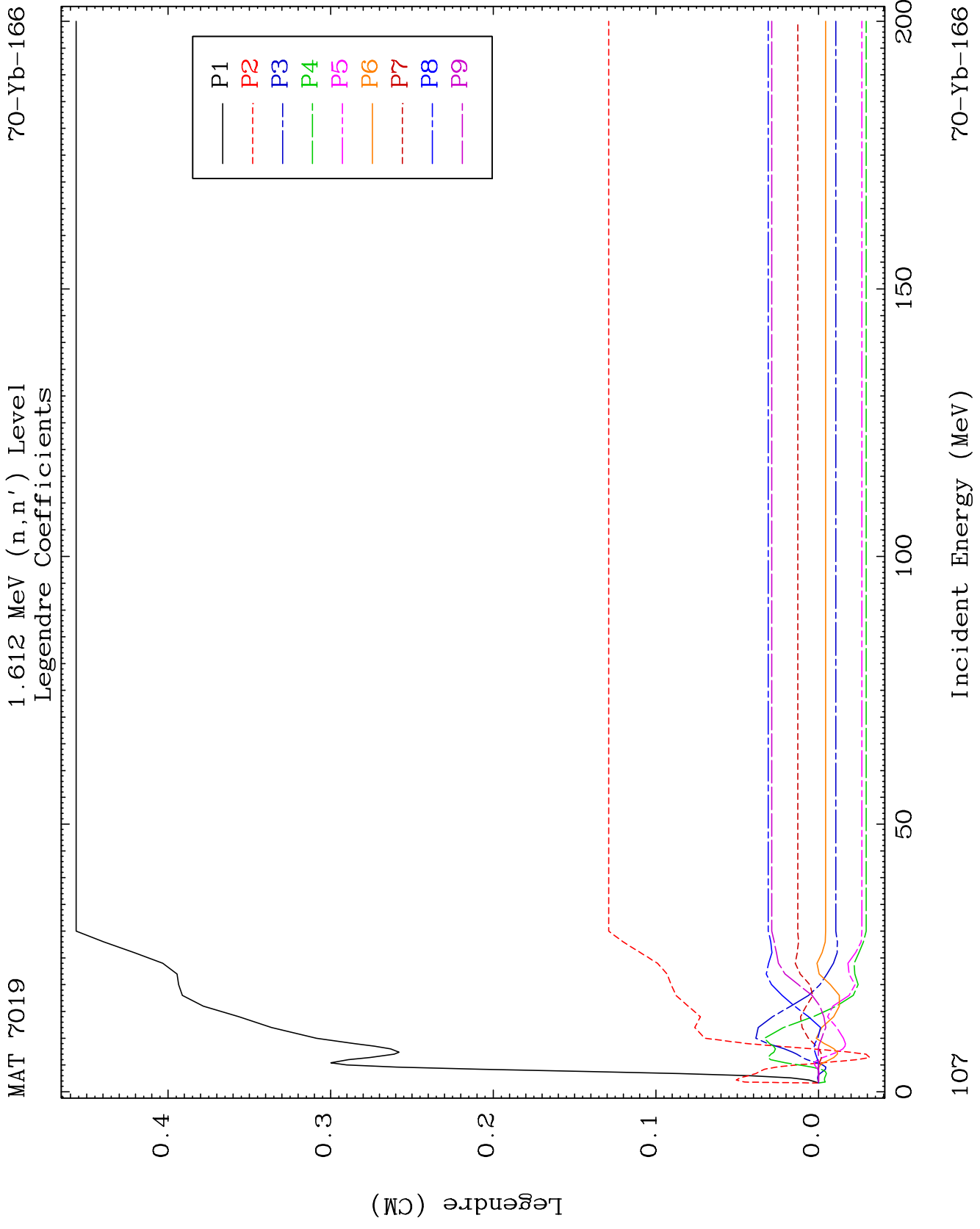
70-Yb-166

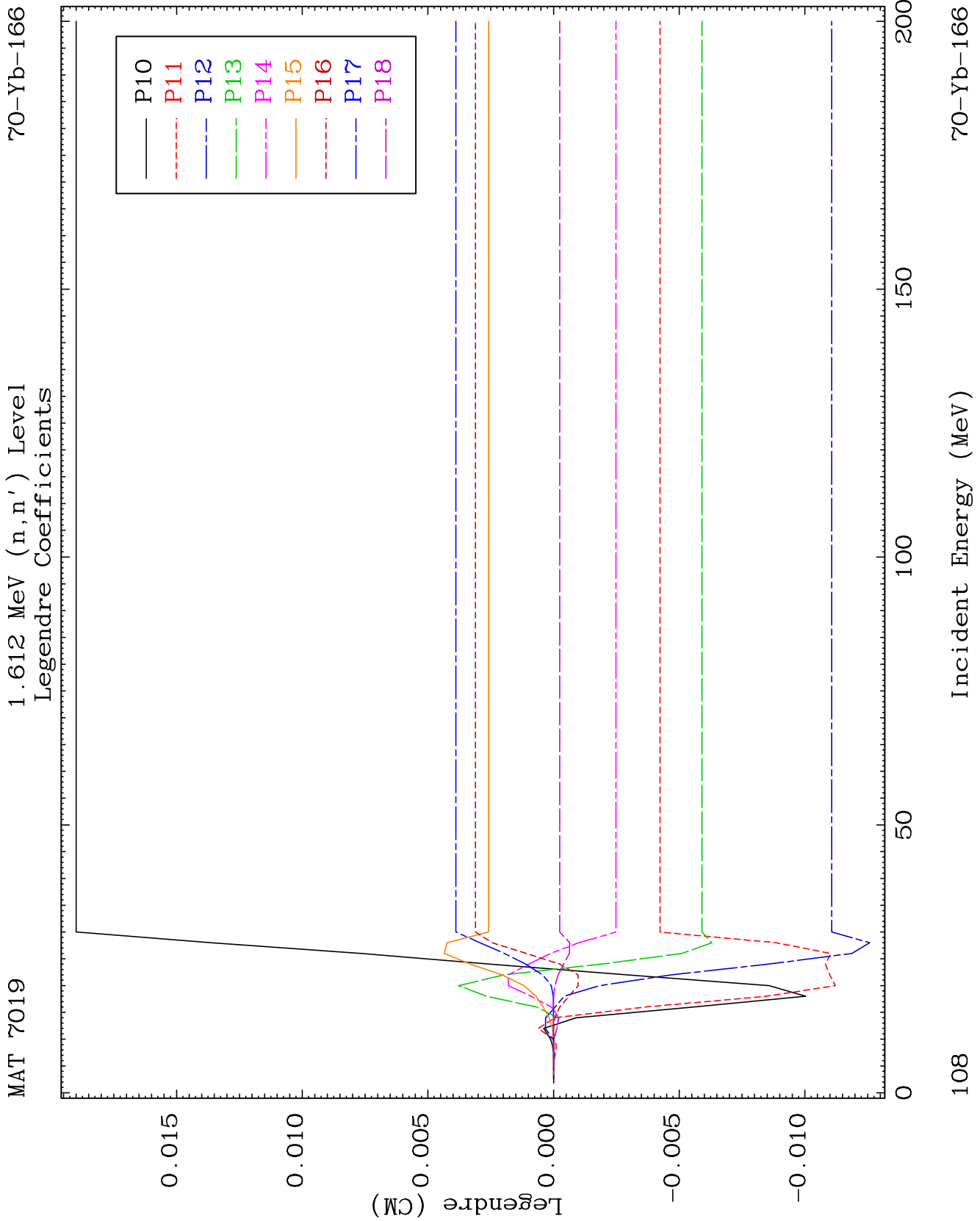


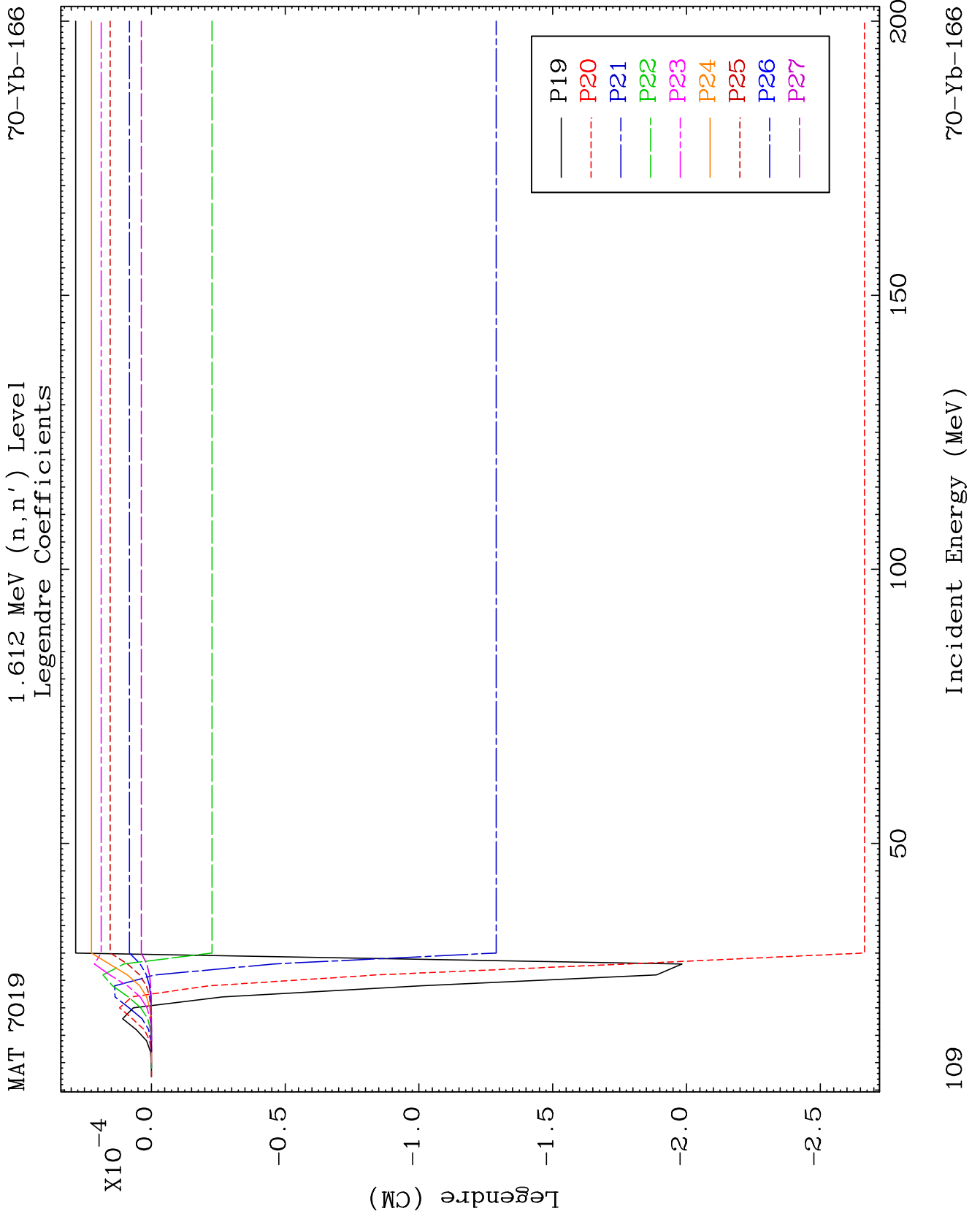


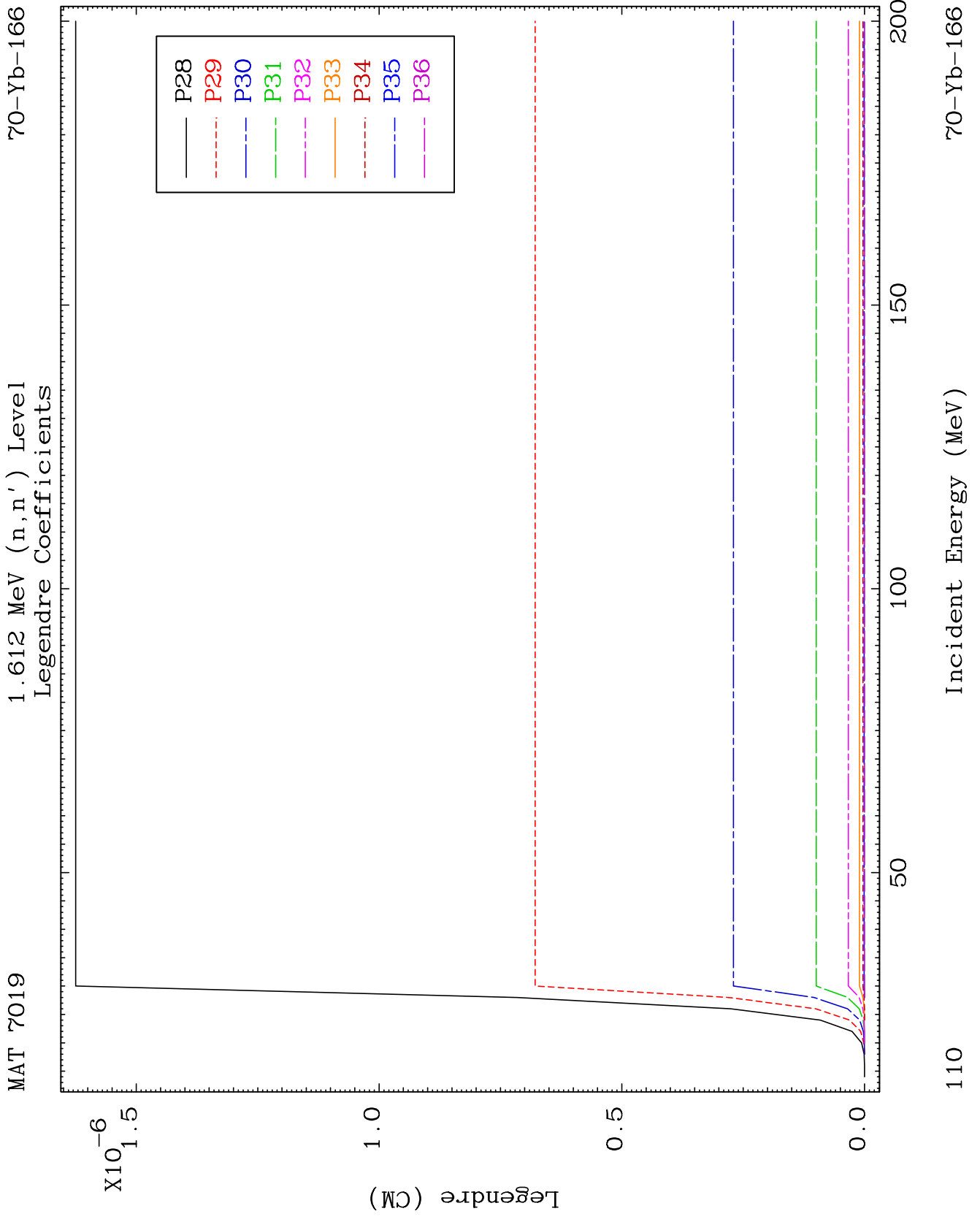


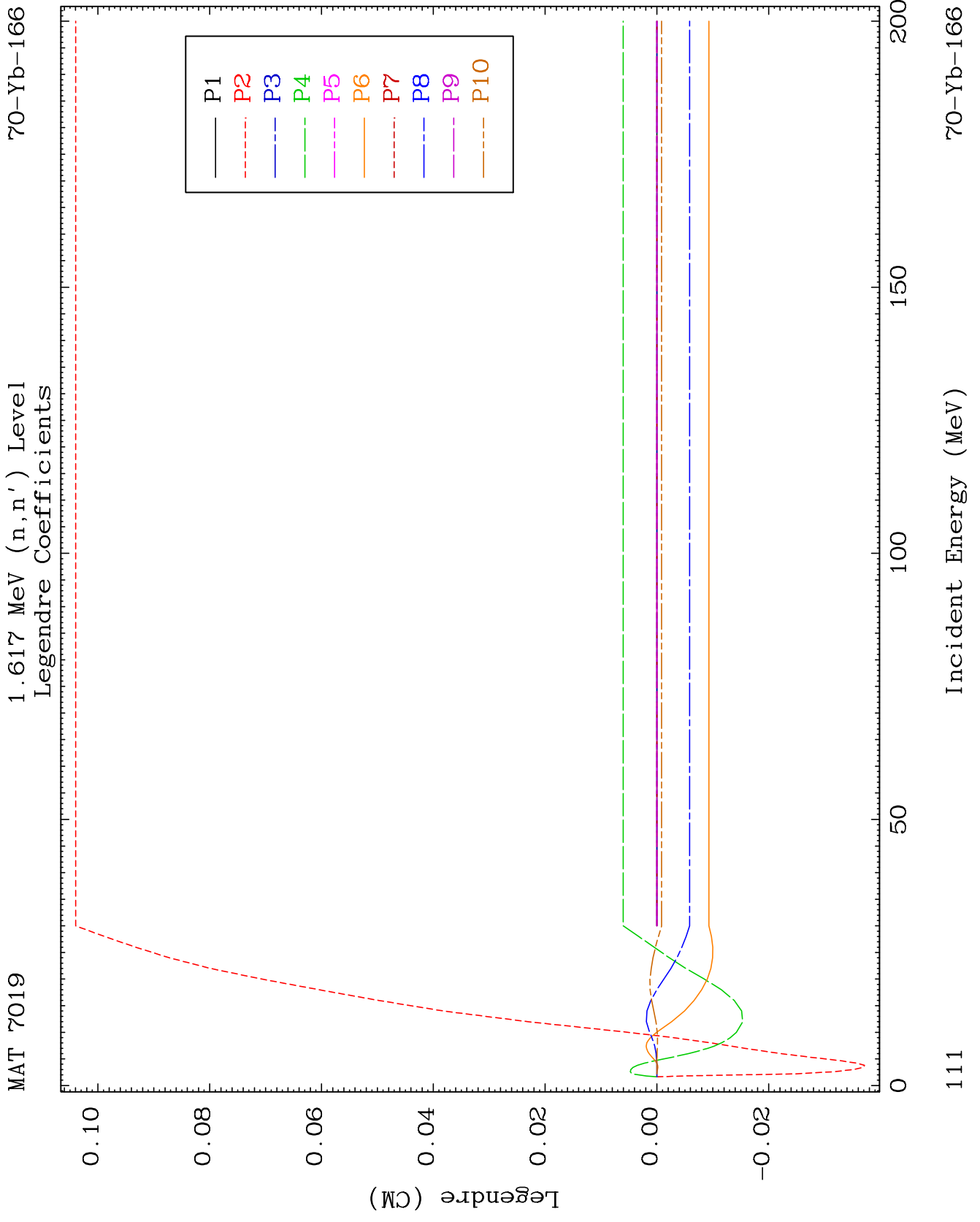


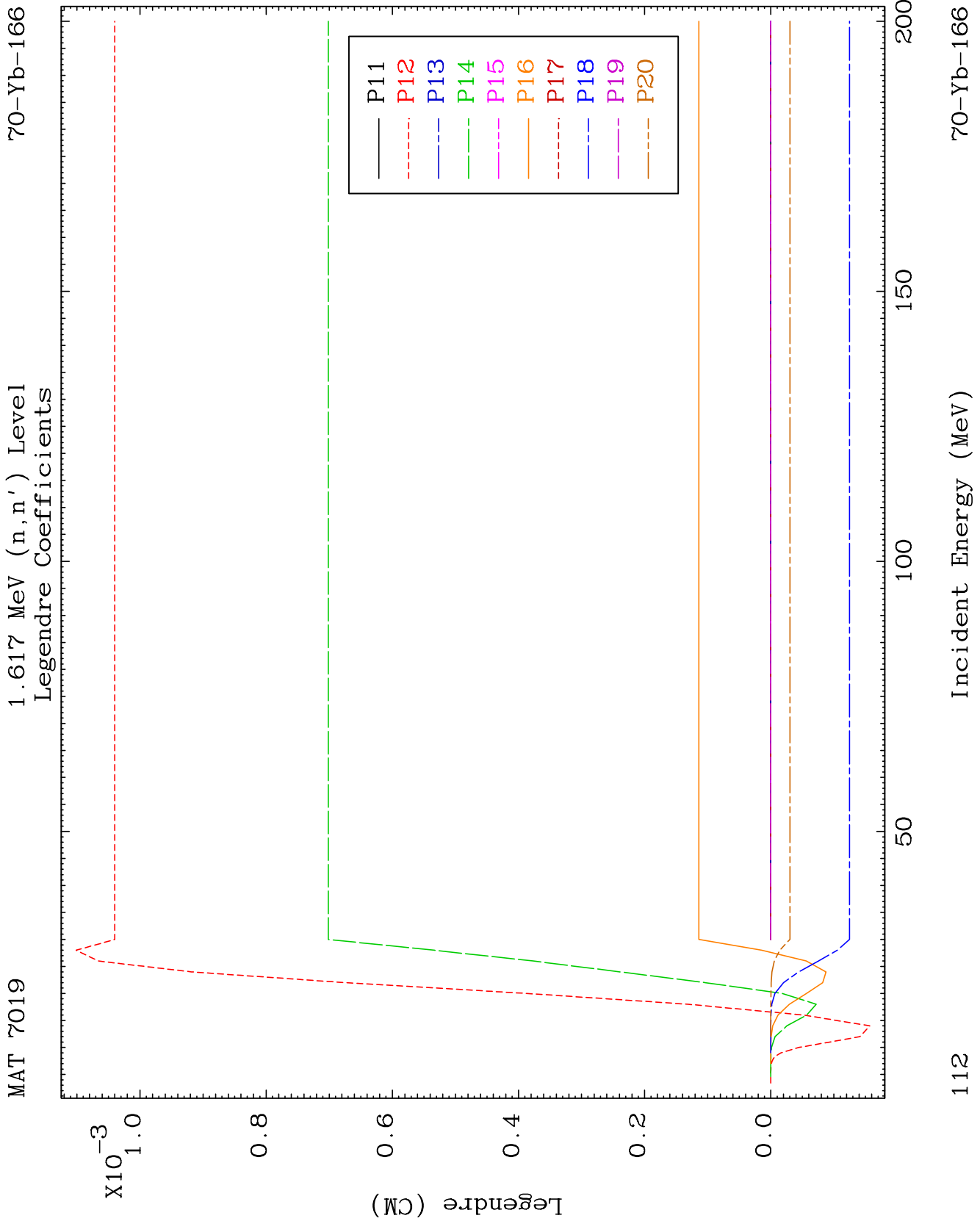


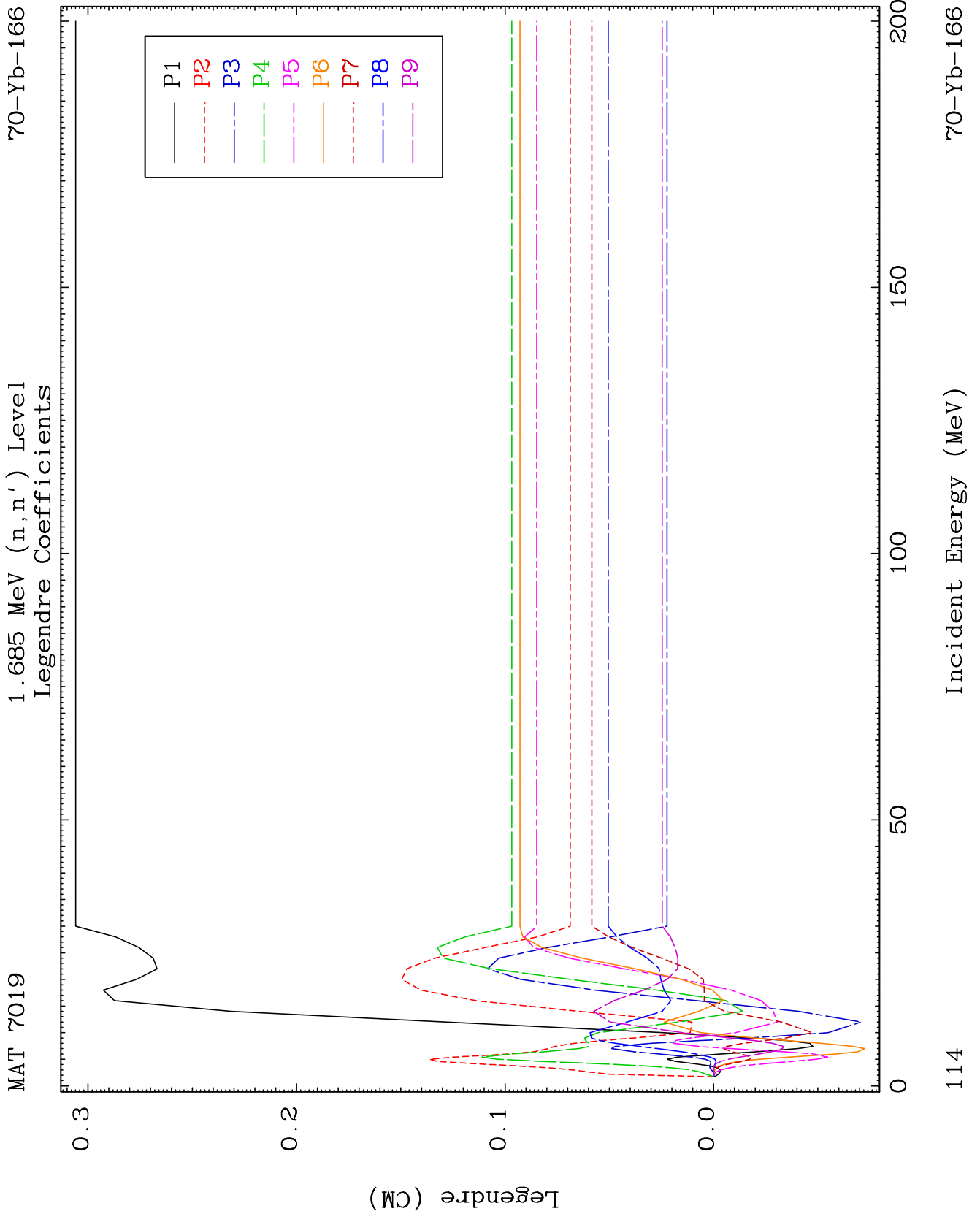


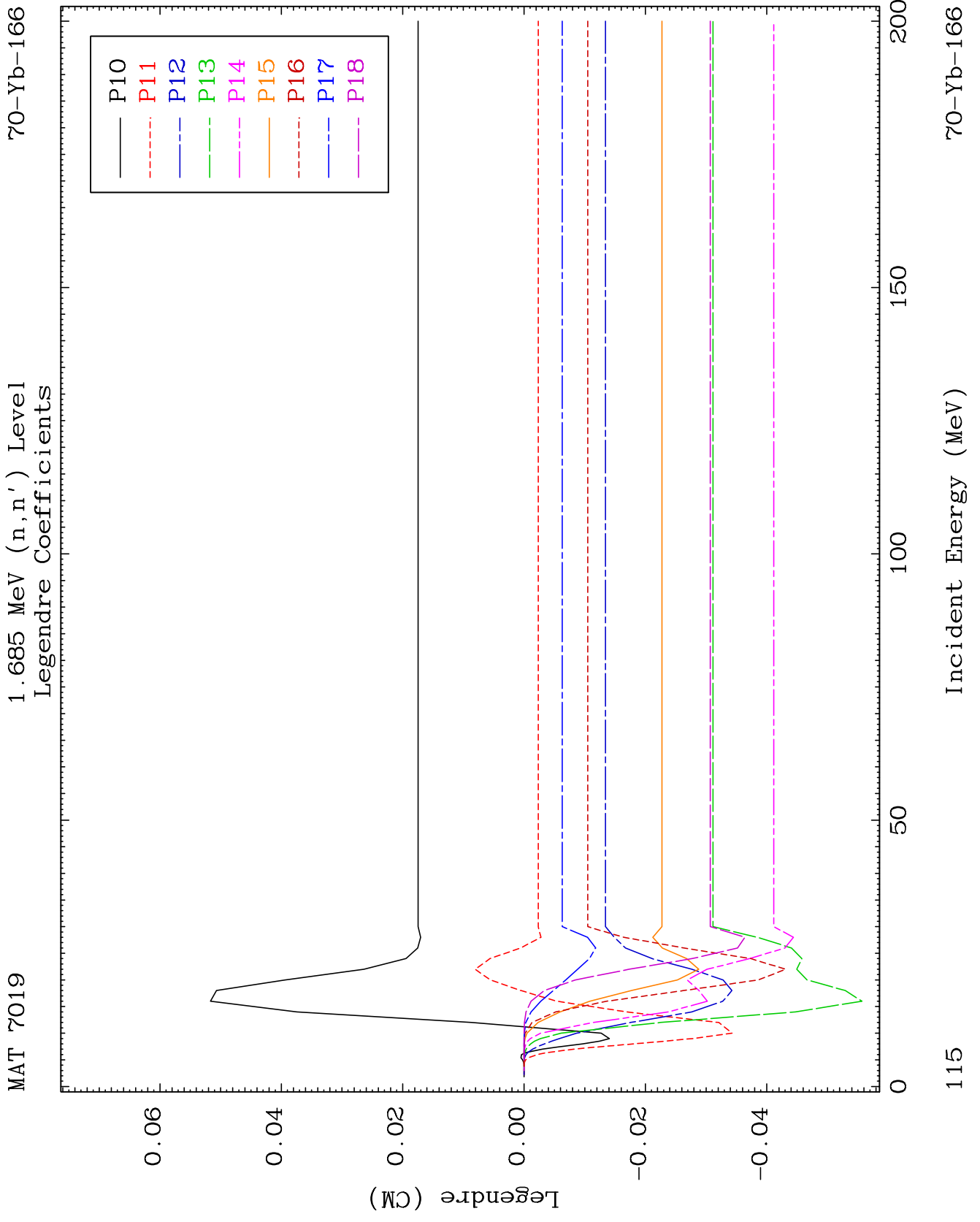


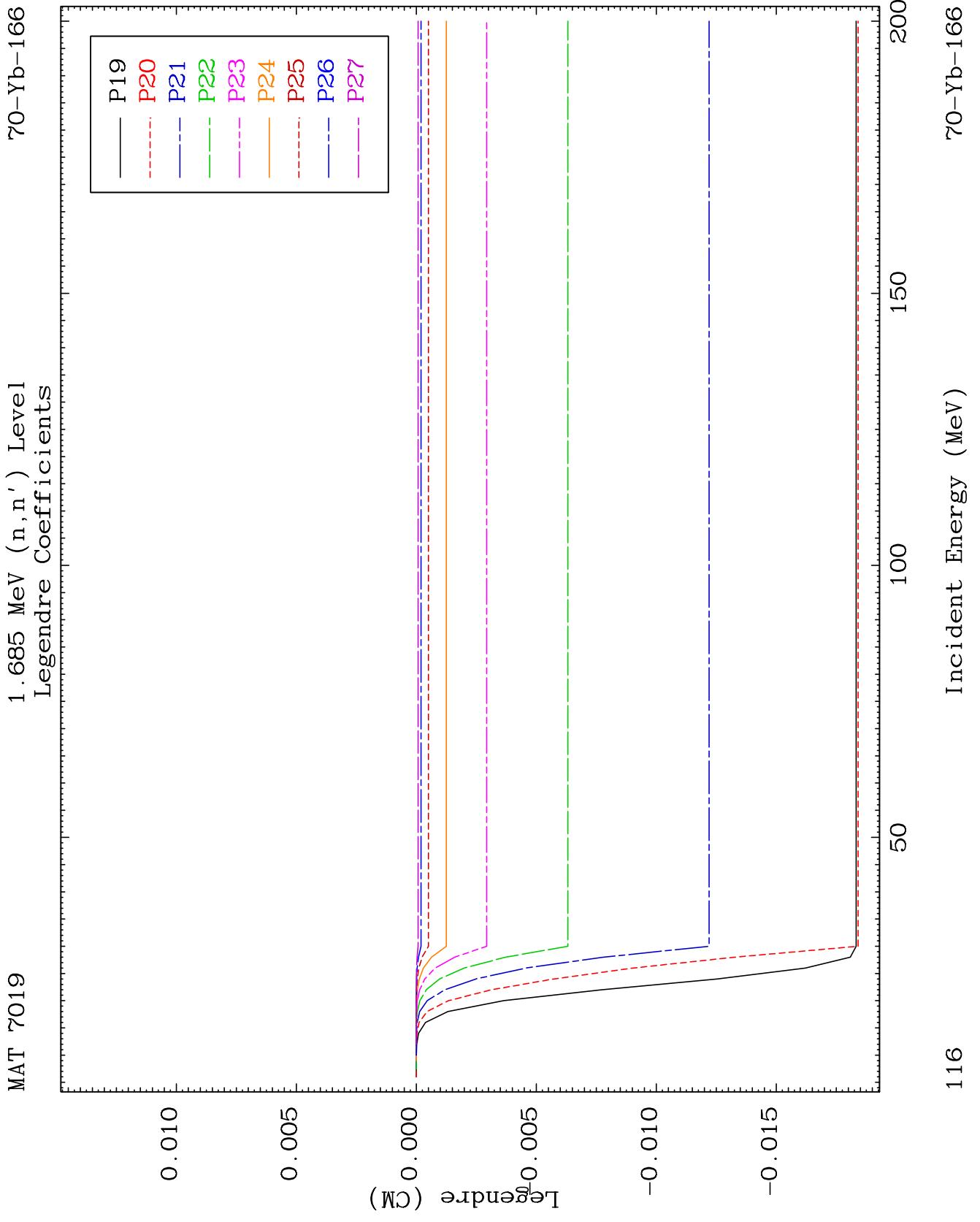


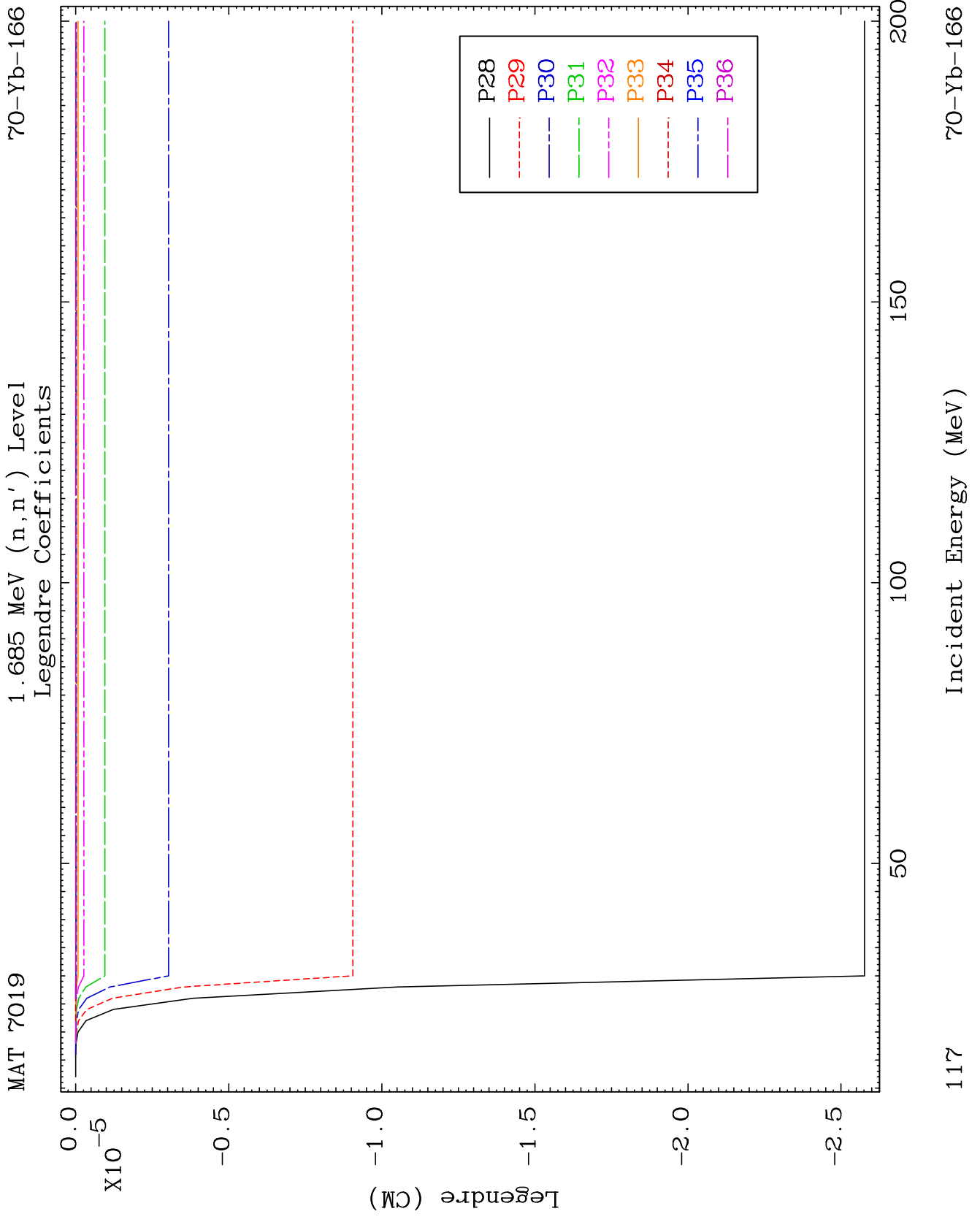


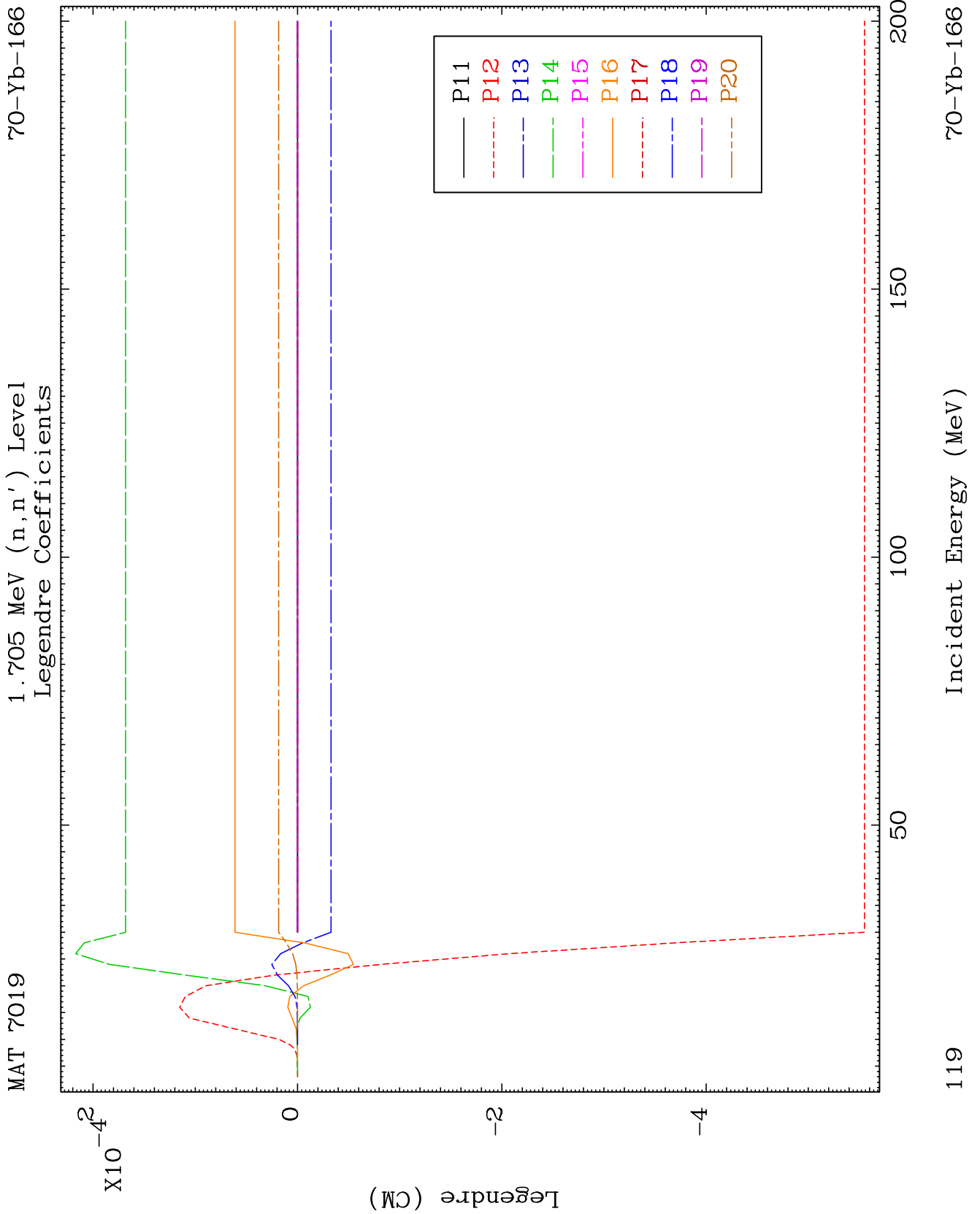


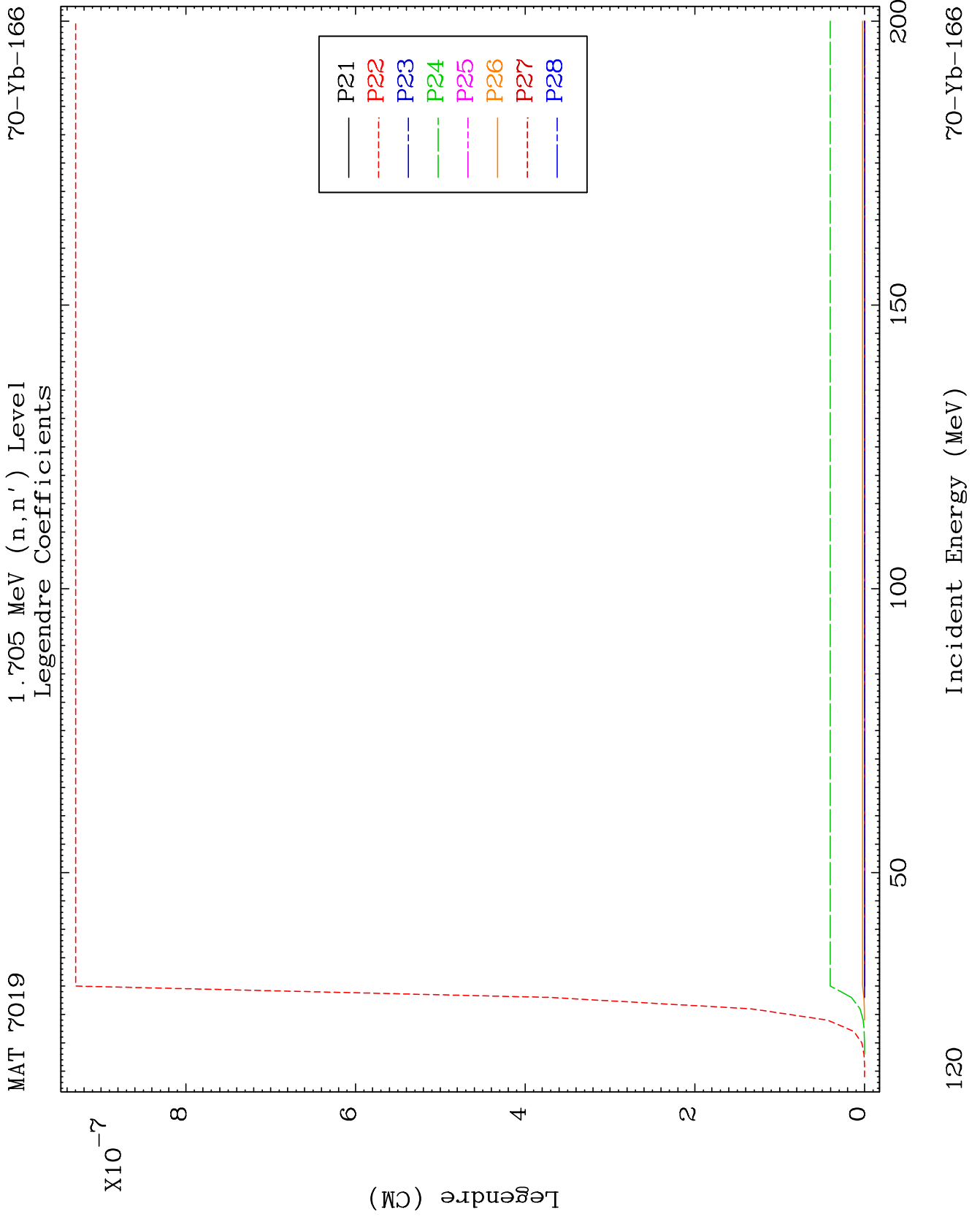








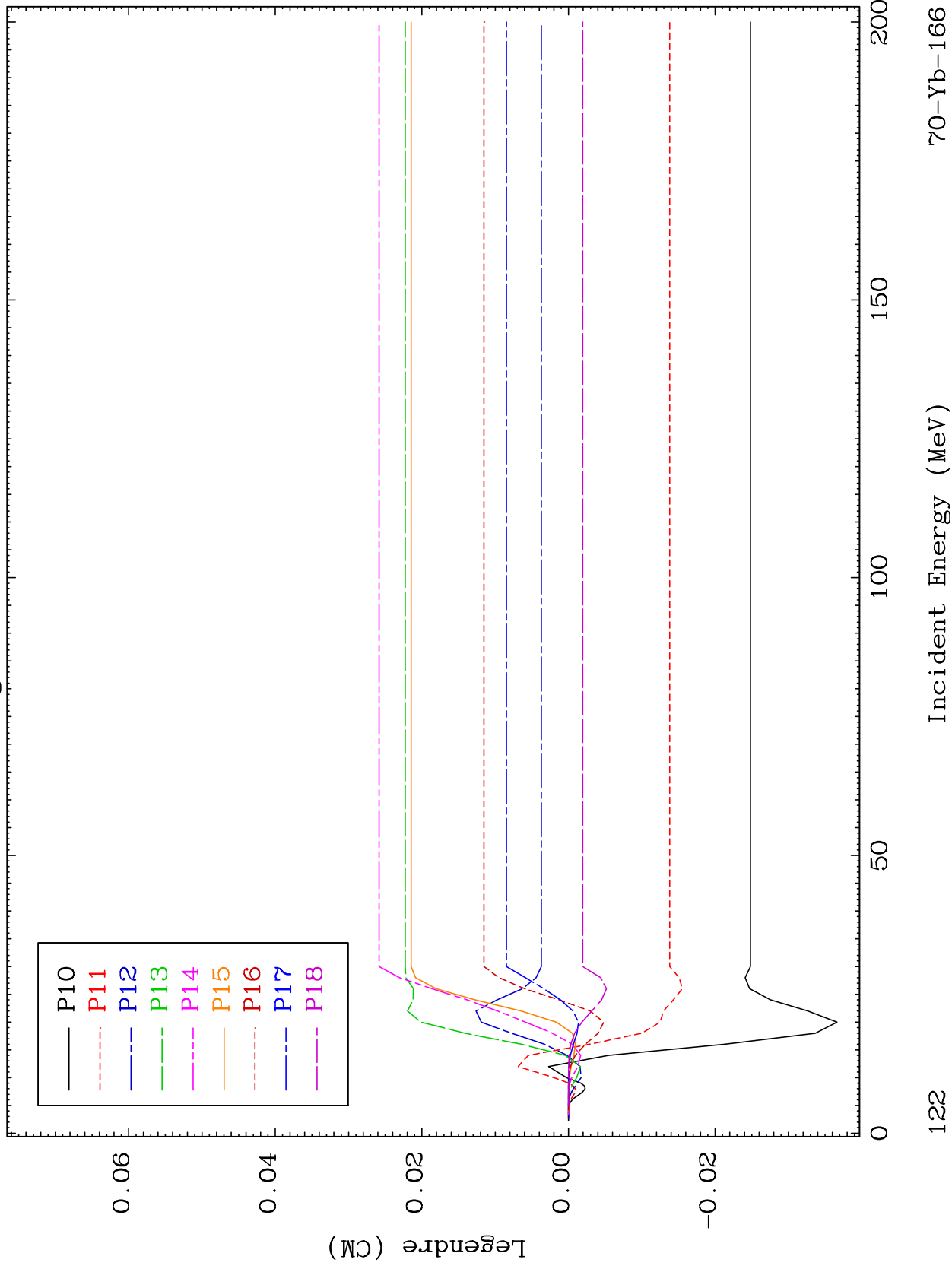




MAT 7019

1.725 MeV (n,n') Level
Legendre Coefficients

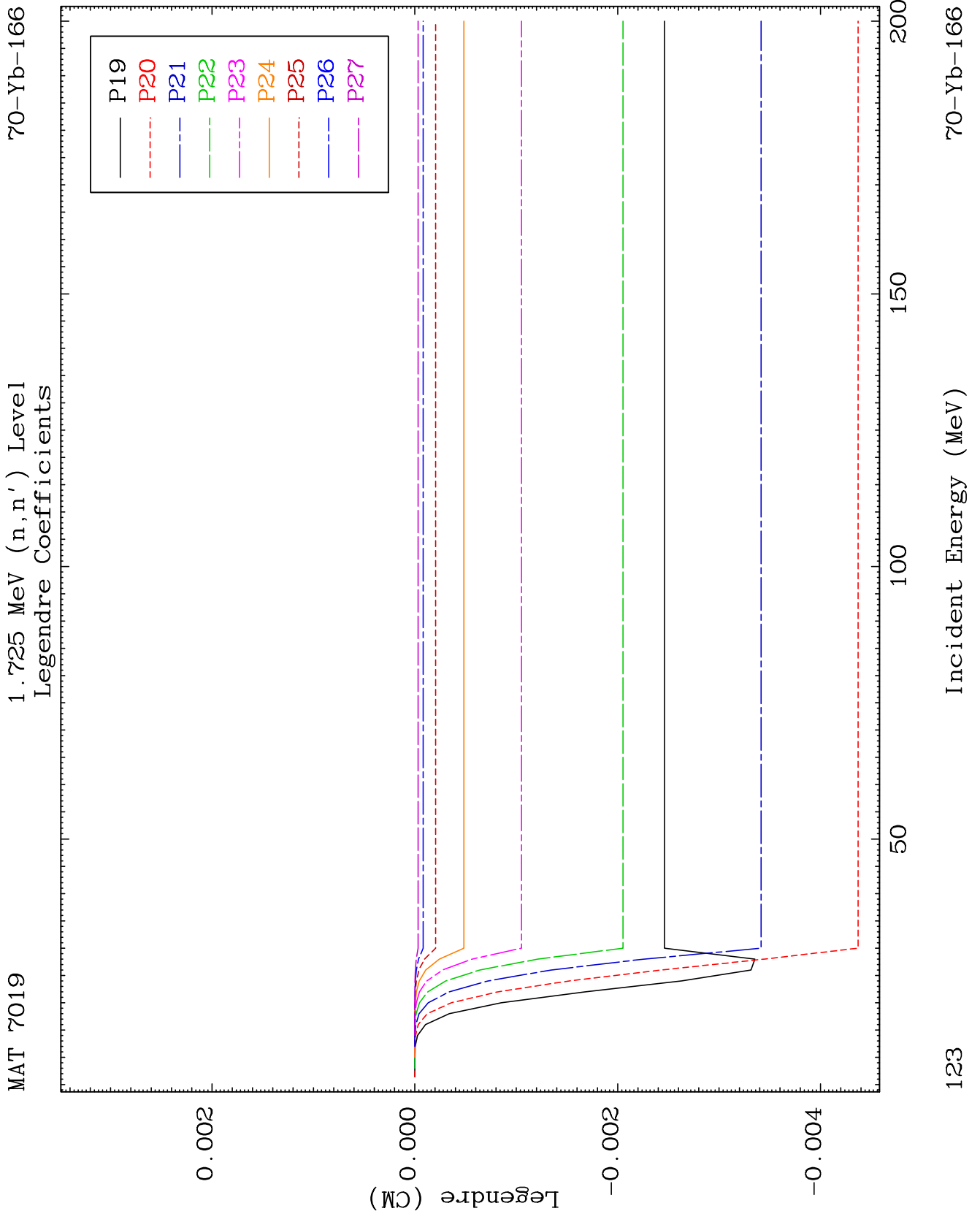
70-Yb-166

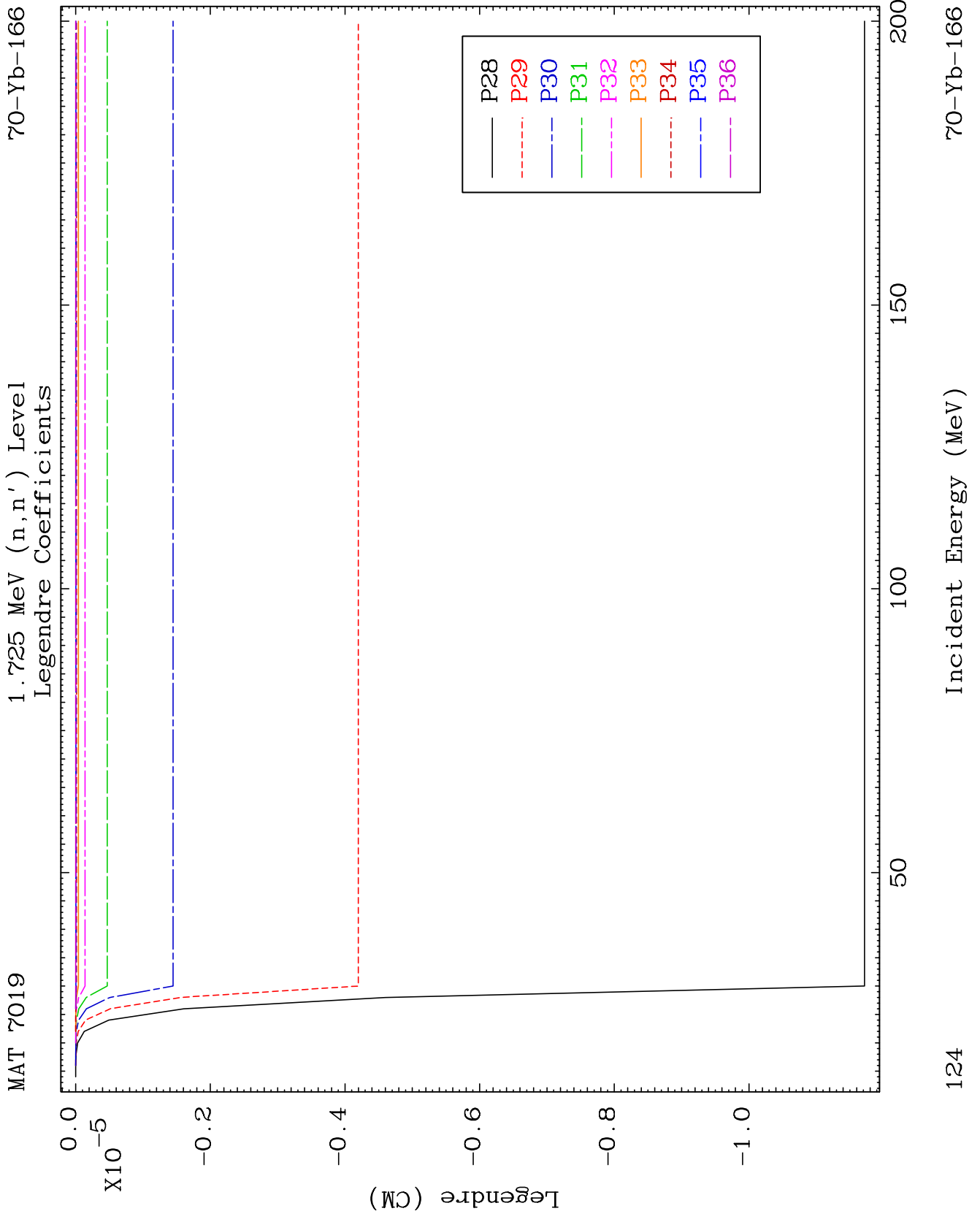


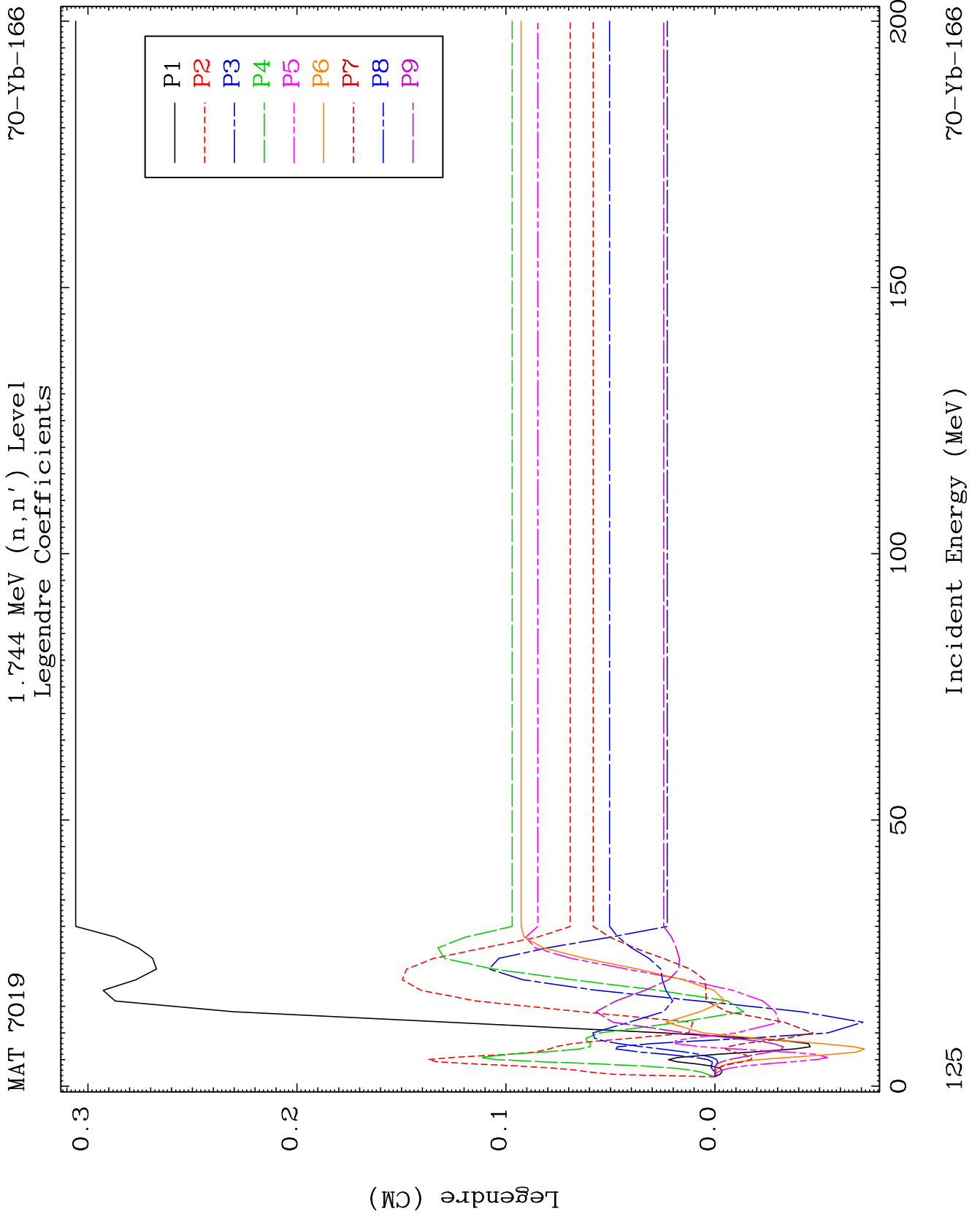
70-Yb-166

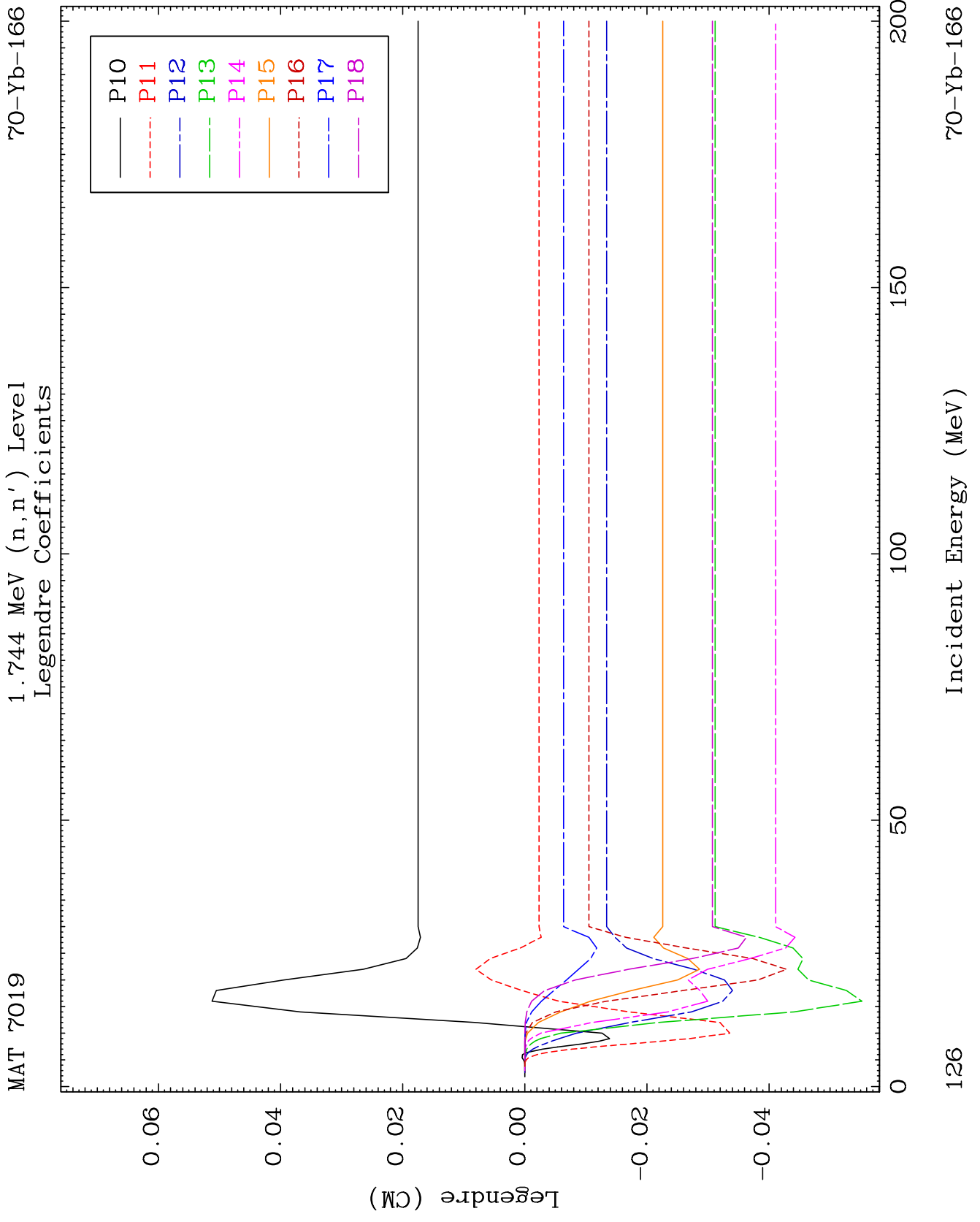
Incident Energy (MeV)

122





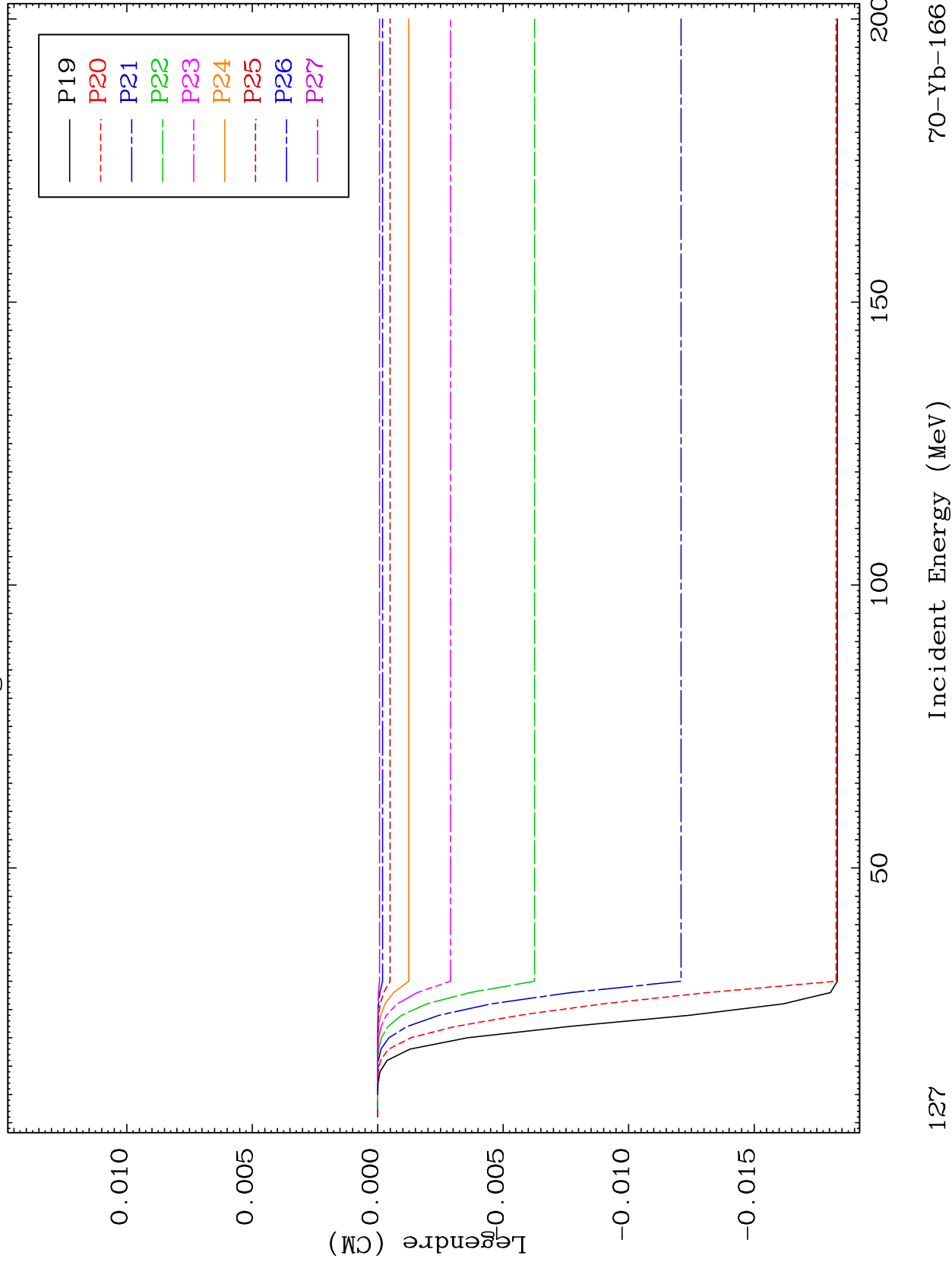




MAT 7019

1.744 MeV (n,n') Level
Legendre Coefficients

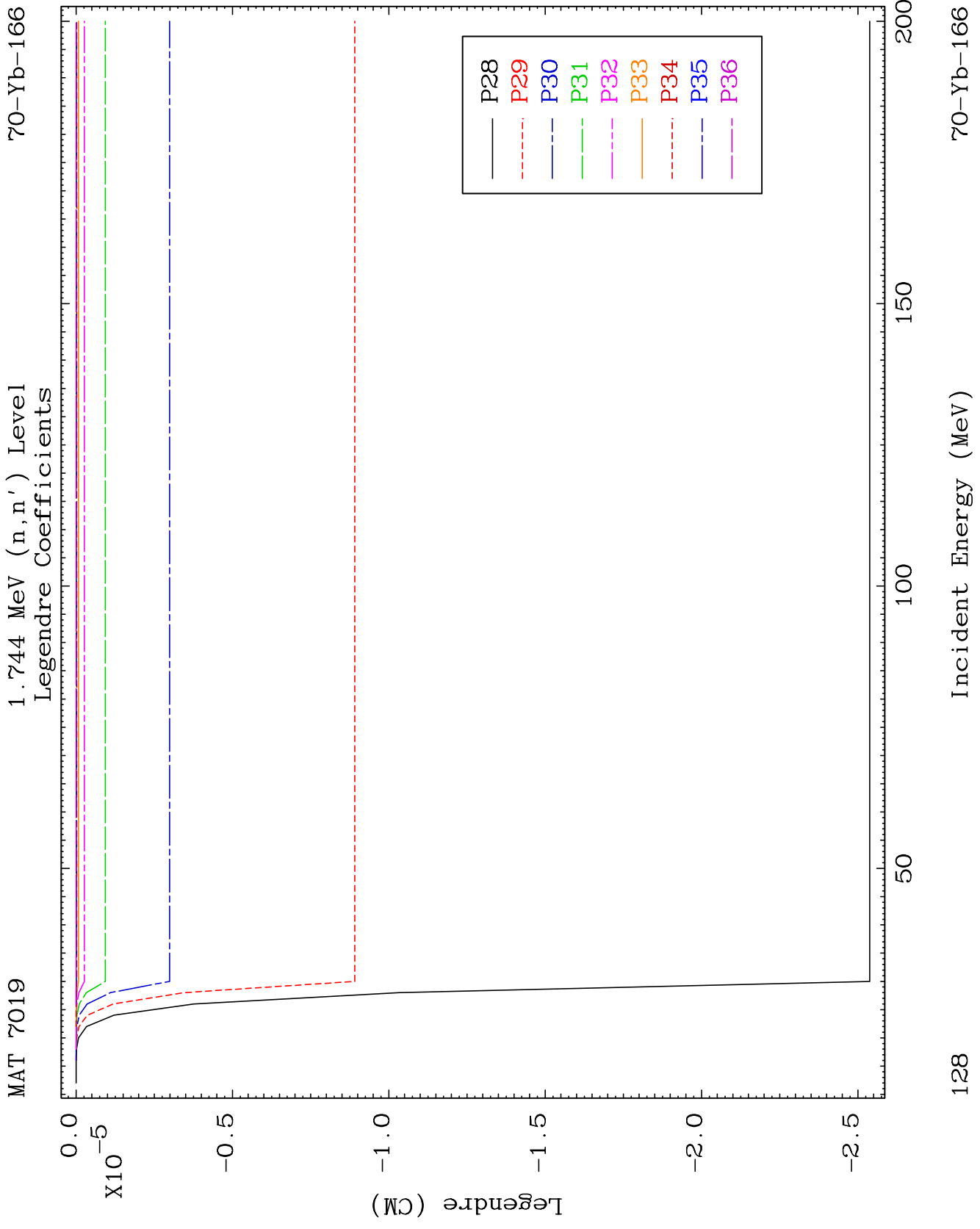
70-Yb-166

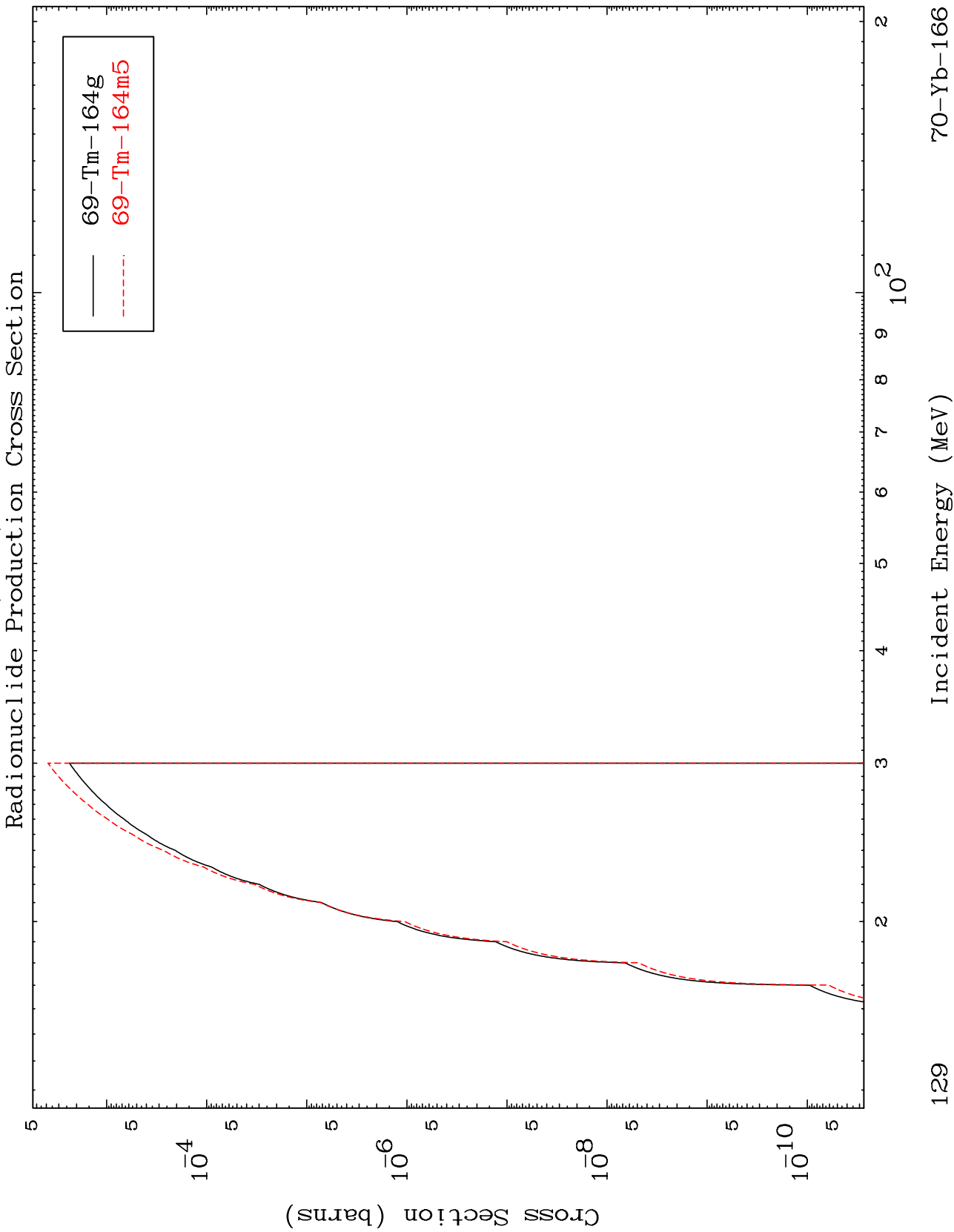


127

Incident Energy (MeV)

70-Yb-166

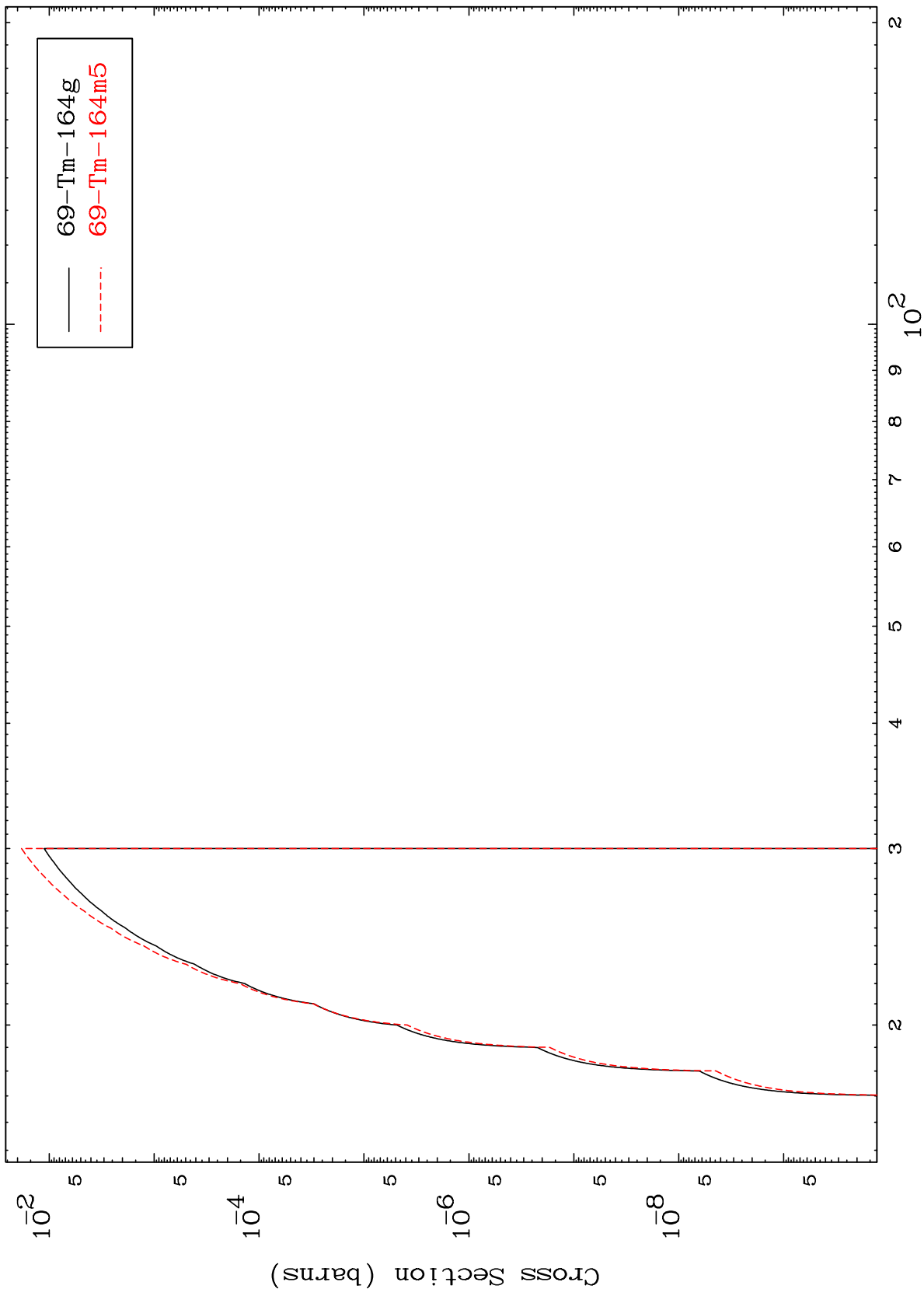




MAT 7019

70-Yb-166

(n,2n) p
Radionuclide Production Cross Section



130

Incident Energy (MeV)

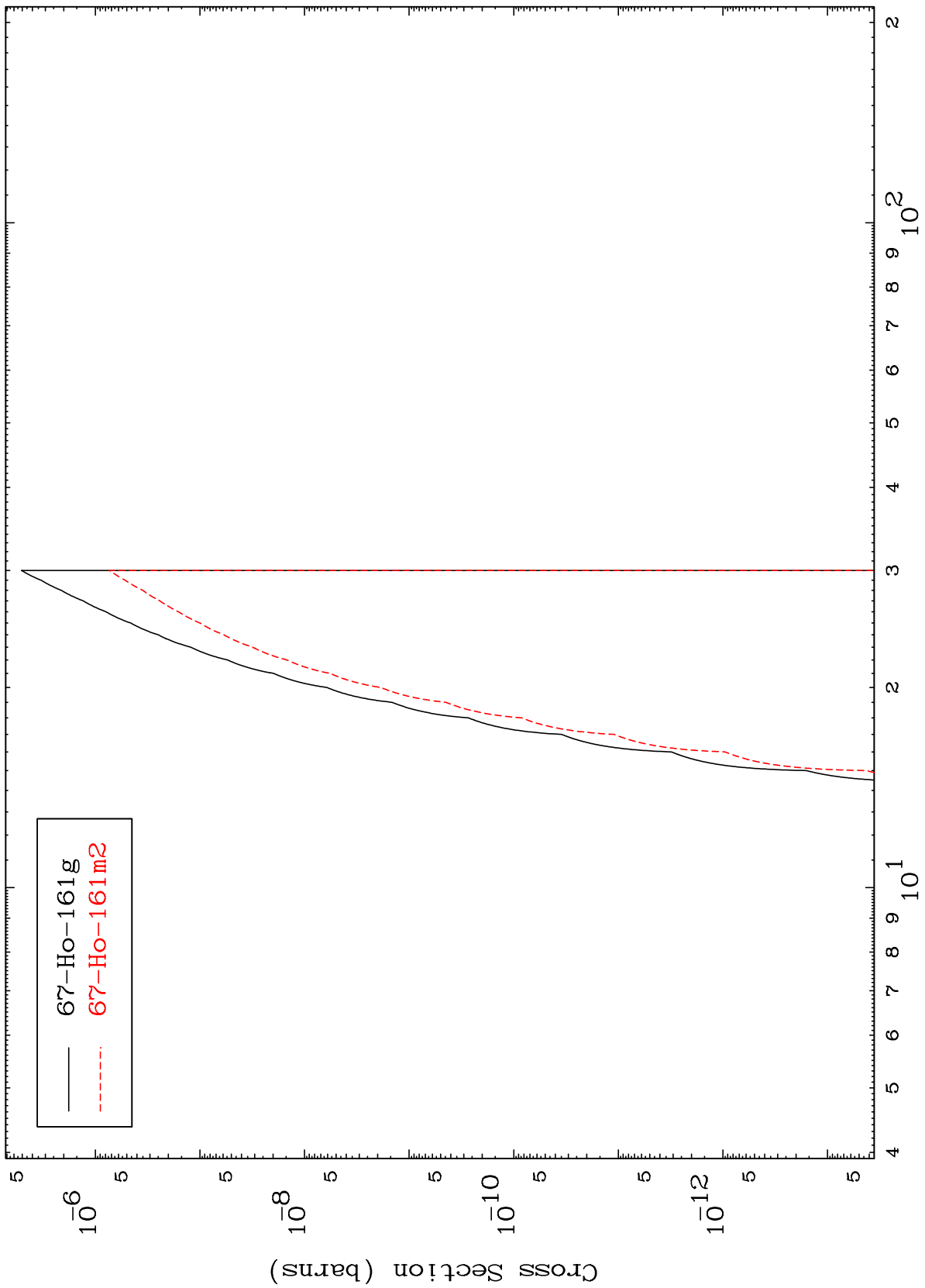
70-Yb-166

MAT 7019

(n,n') p α

70-Yb-166

Radionuclide Production Cross Section

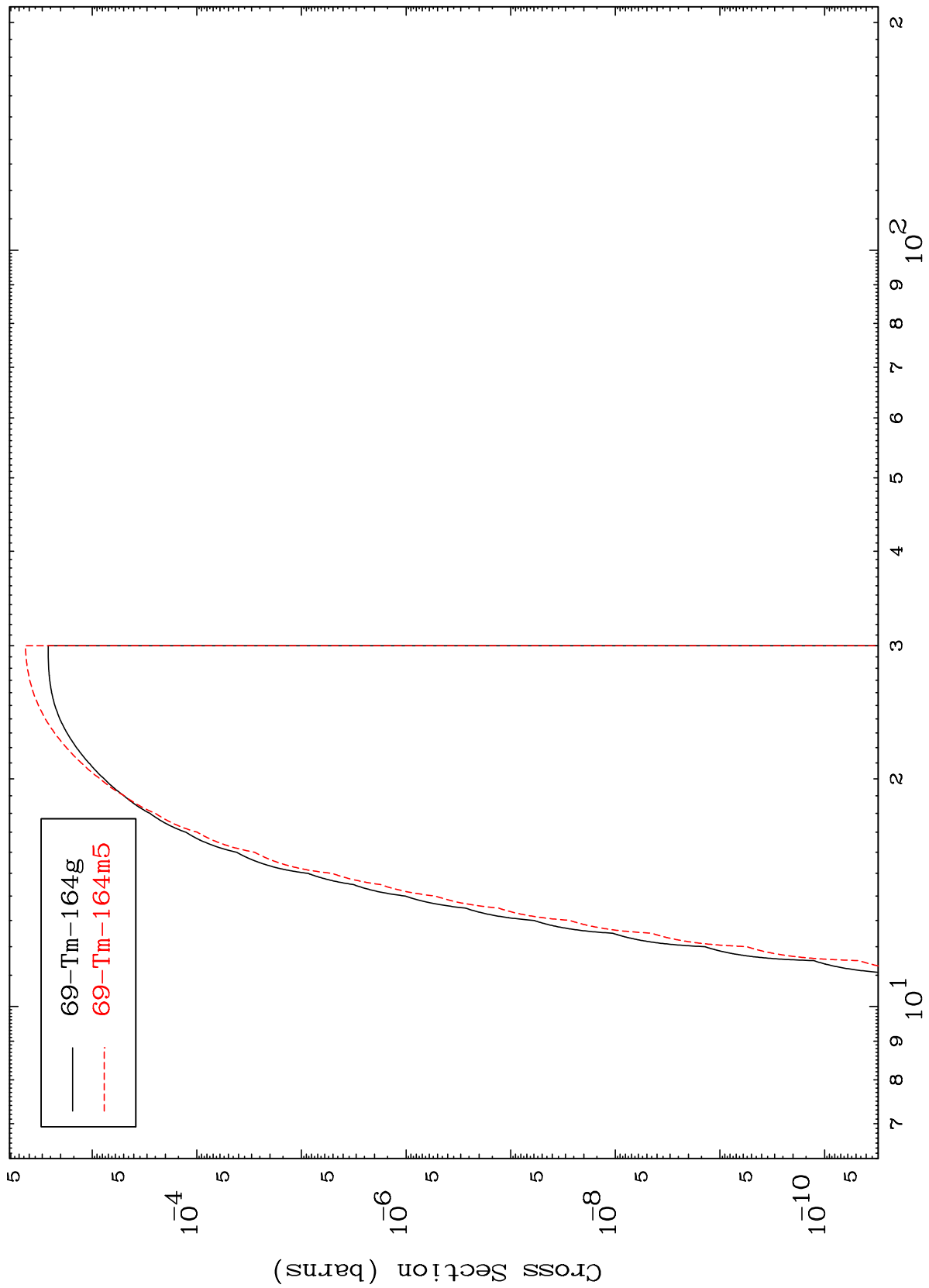


131

Incident Energy (MeV)

70-Yb-166

(n, t)
Radionuclide Production Cross Section

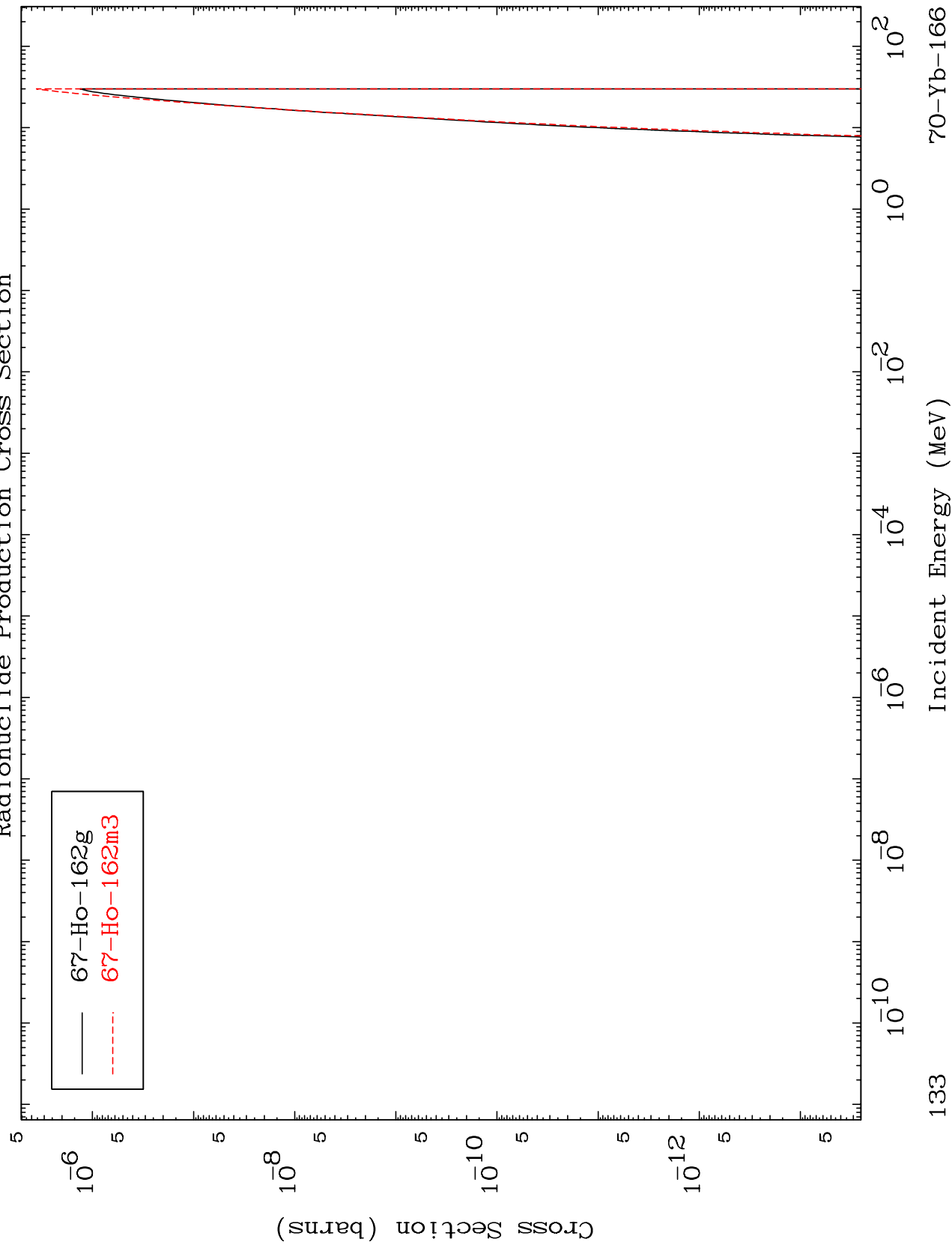


MAT 7019

(n,p) α

70-Yb-166

Radionuclide Production Cross Section

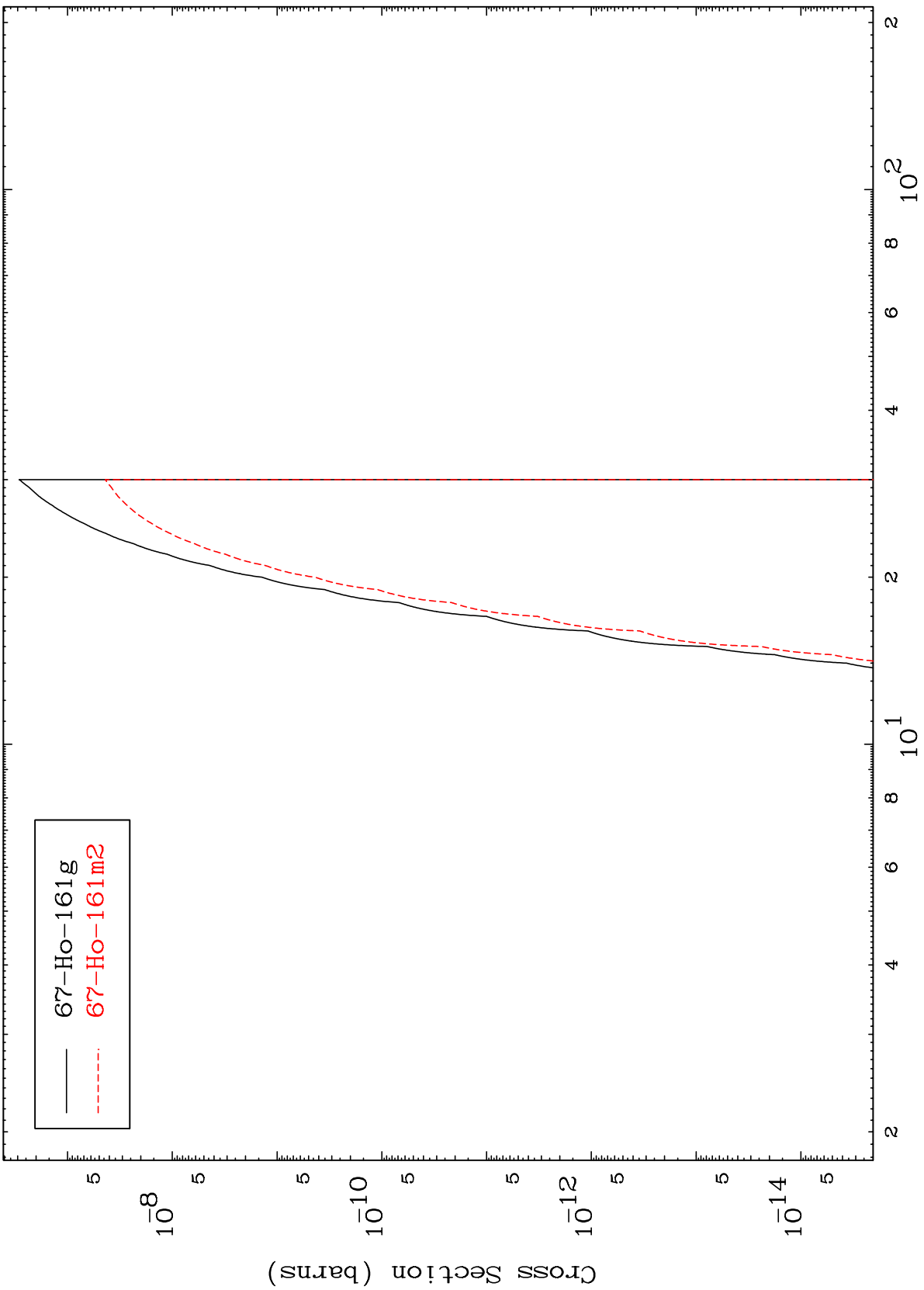


MAT 7019

(n,d) α

70-Yb-166

Radionuclide Production Cross Section



134

Incident Energy (MeV)

70-Yb-166