

Program EVALPLOT
(Version 2015-2)

by

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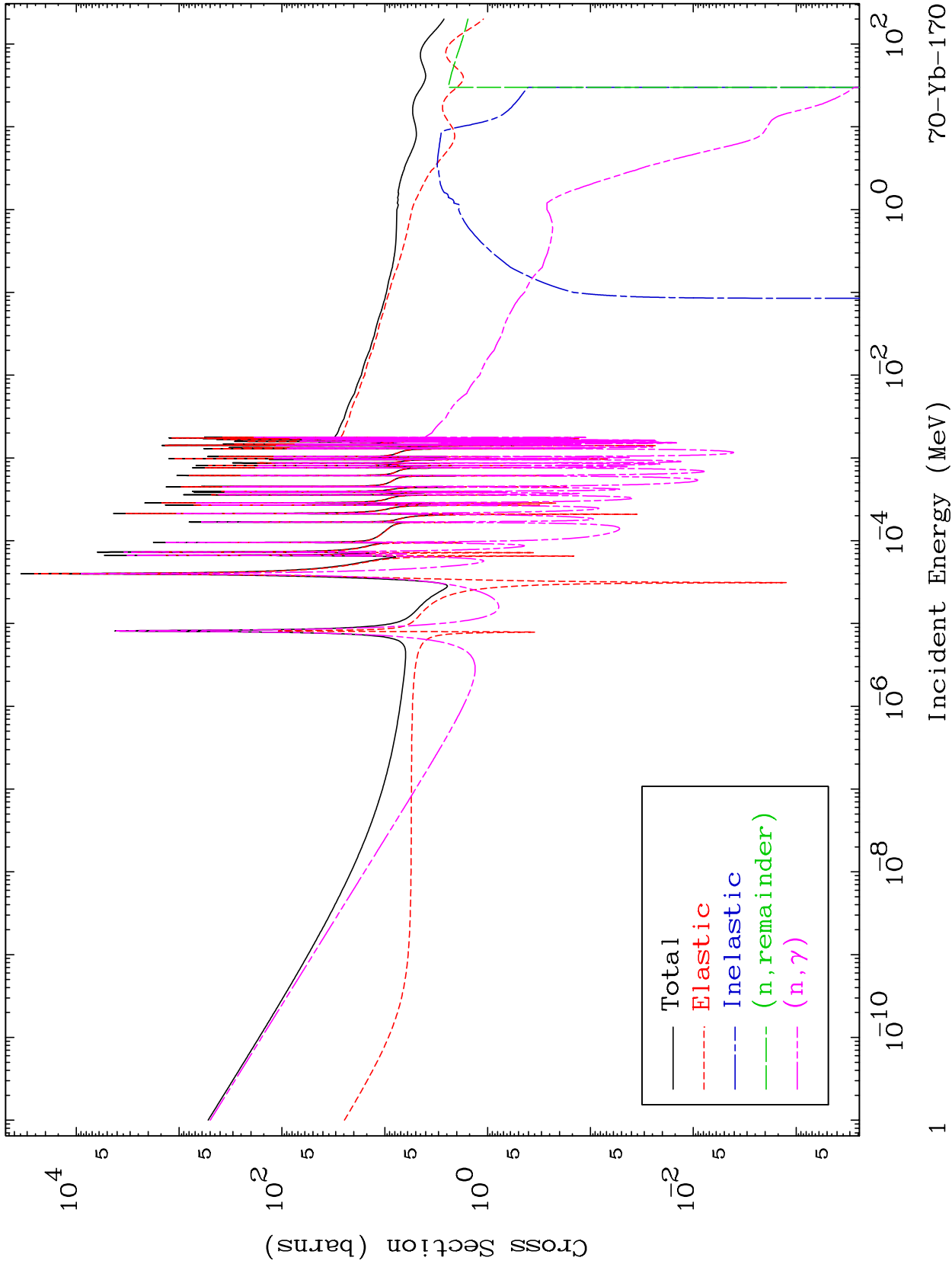
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7031

Major
293 Kelvin Cross Sections

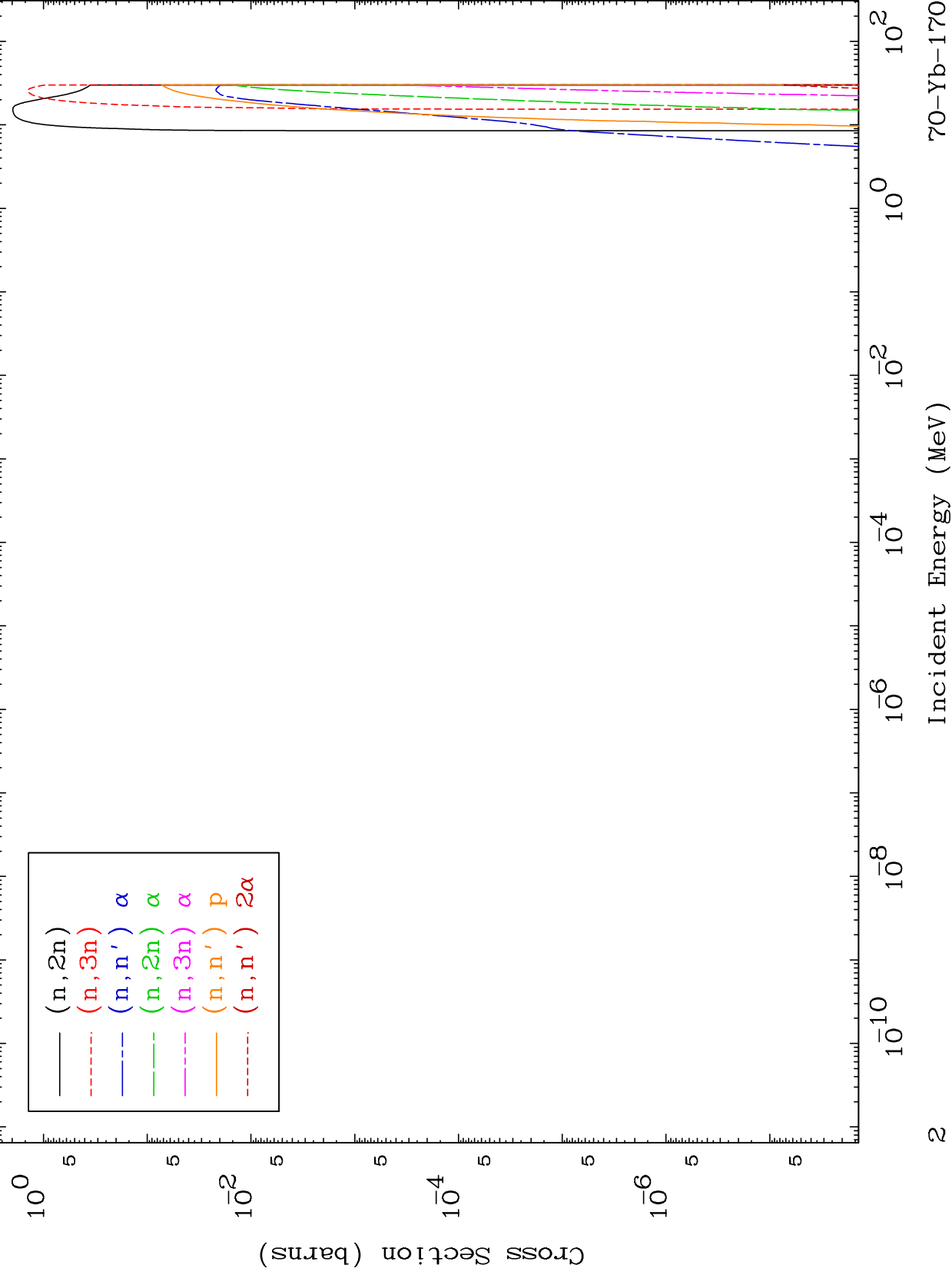
70-Yb-170

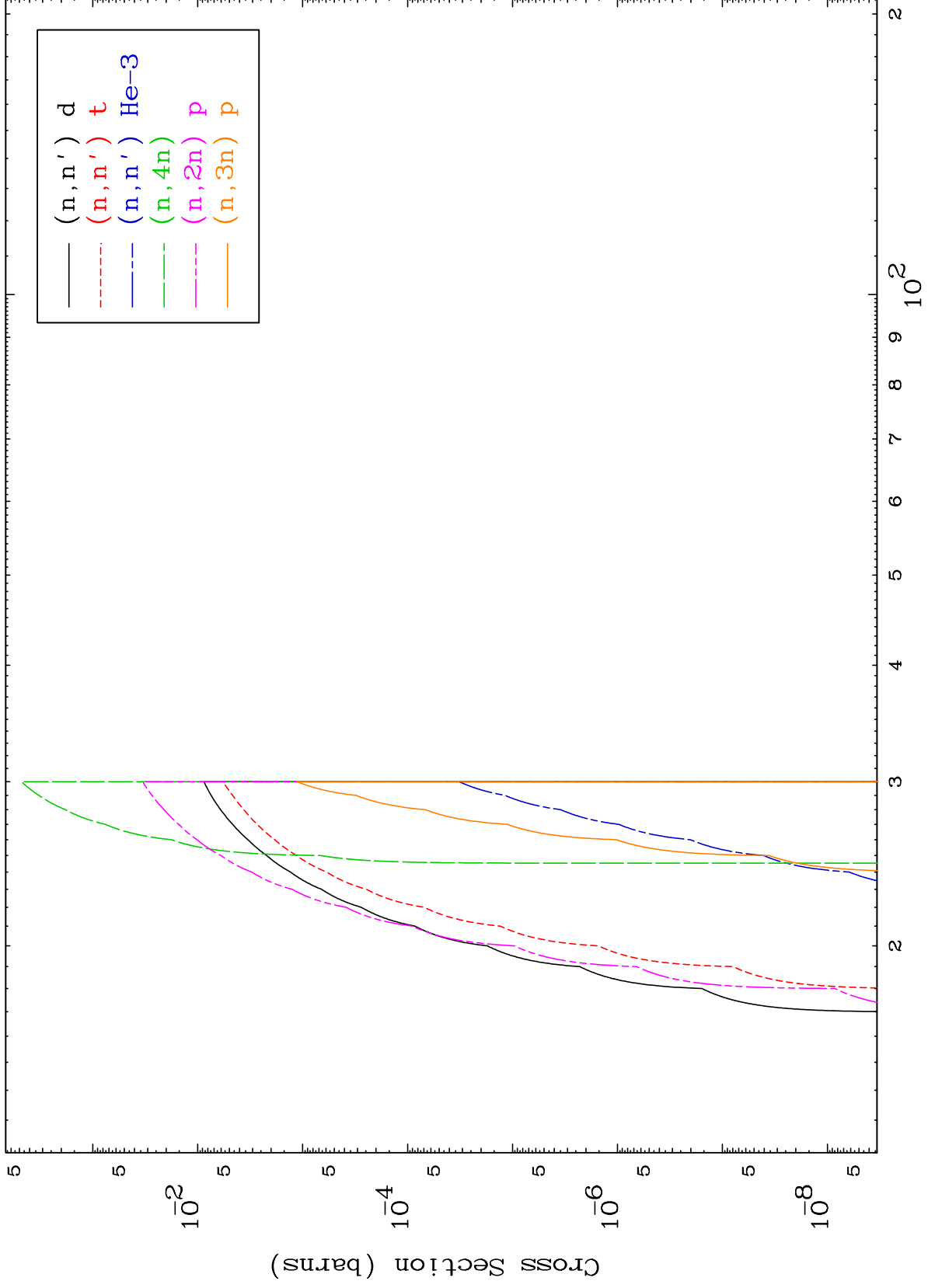


MAT 7031

Neutron Production
293 Kelvin Cross Sections

70-Yb-170

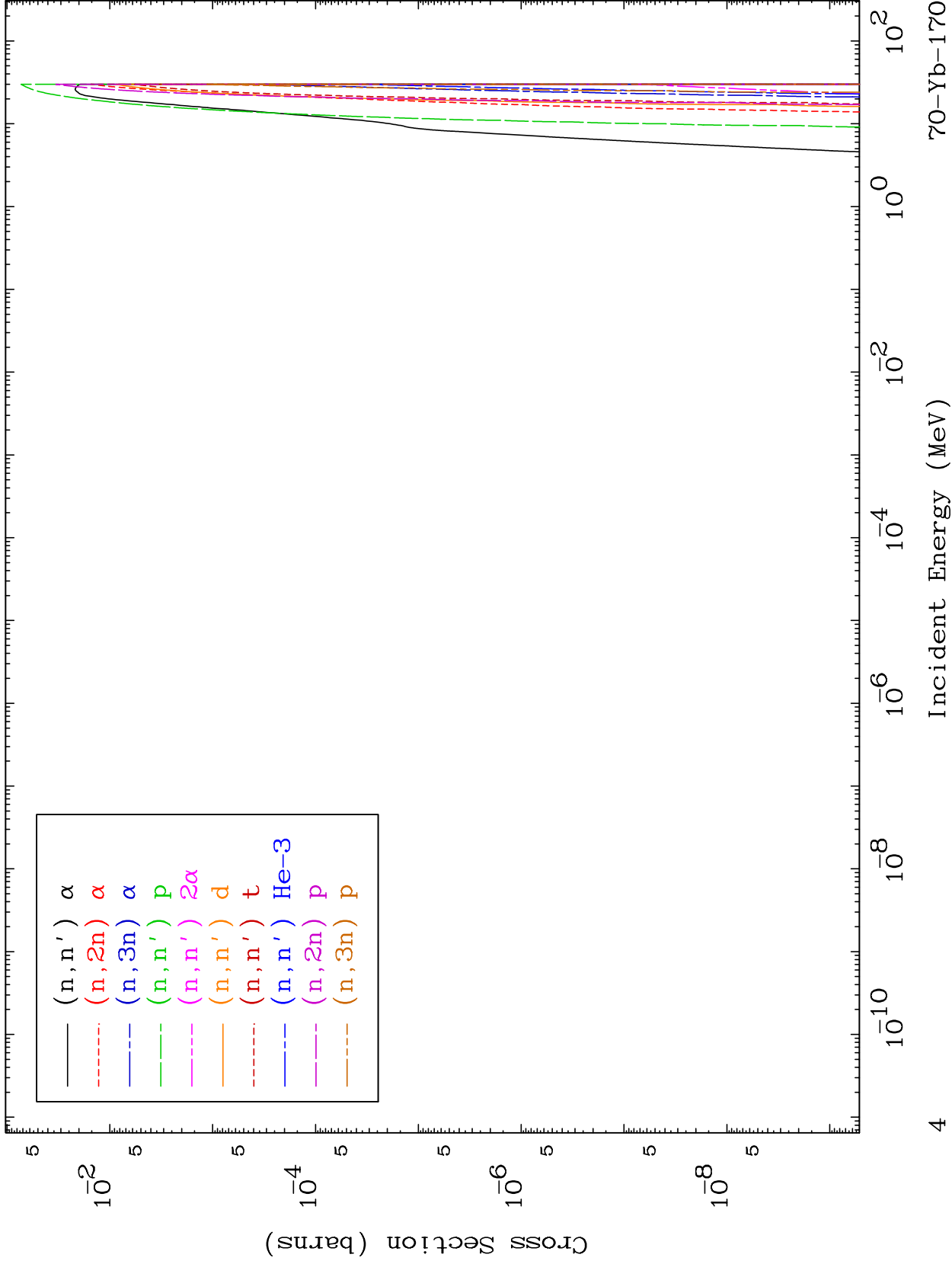




MAT 7031

Charged Particle
293 Kelvin Cross Sections

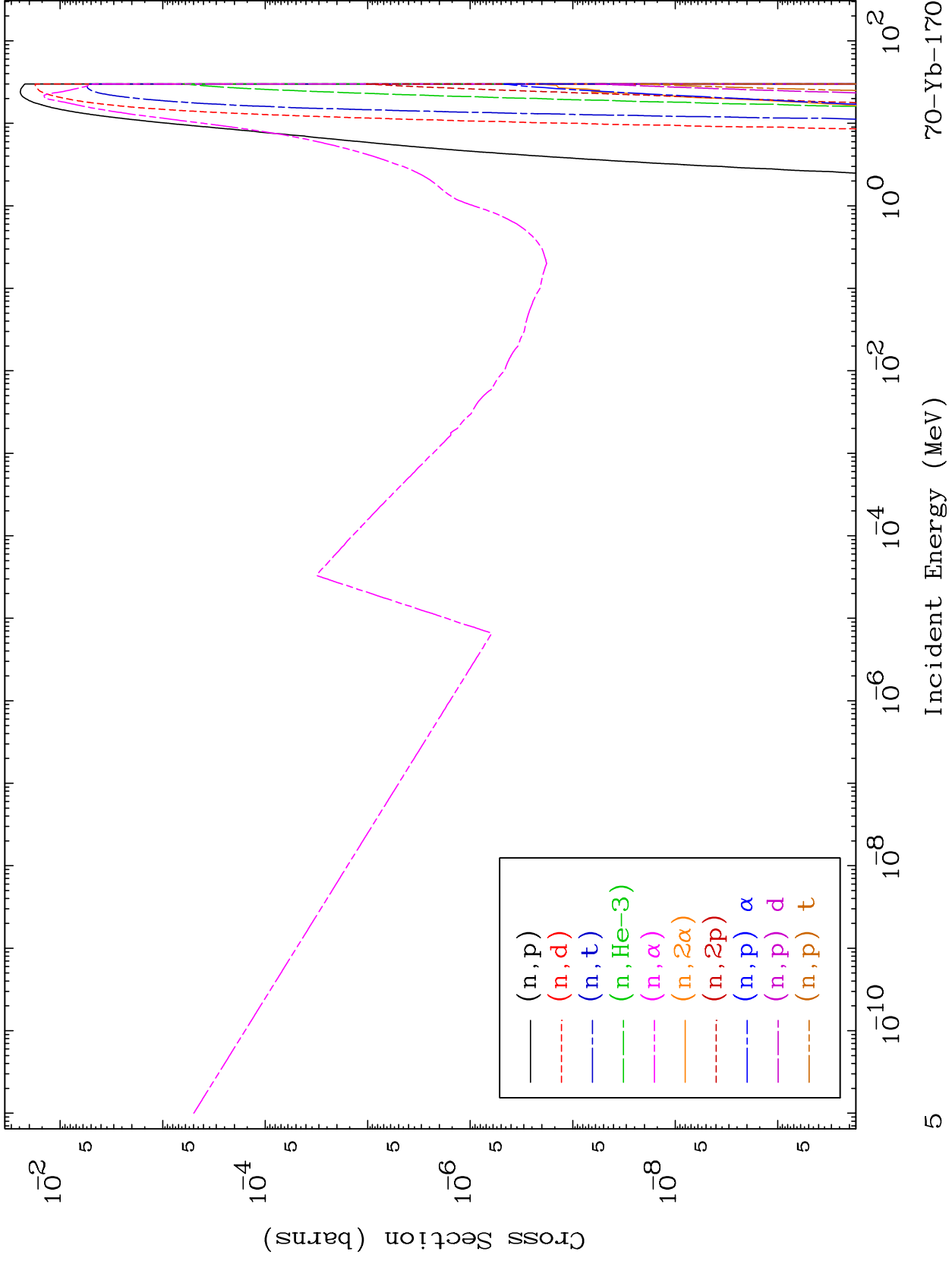
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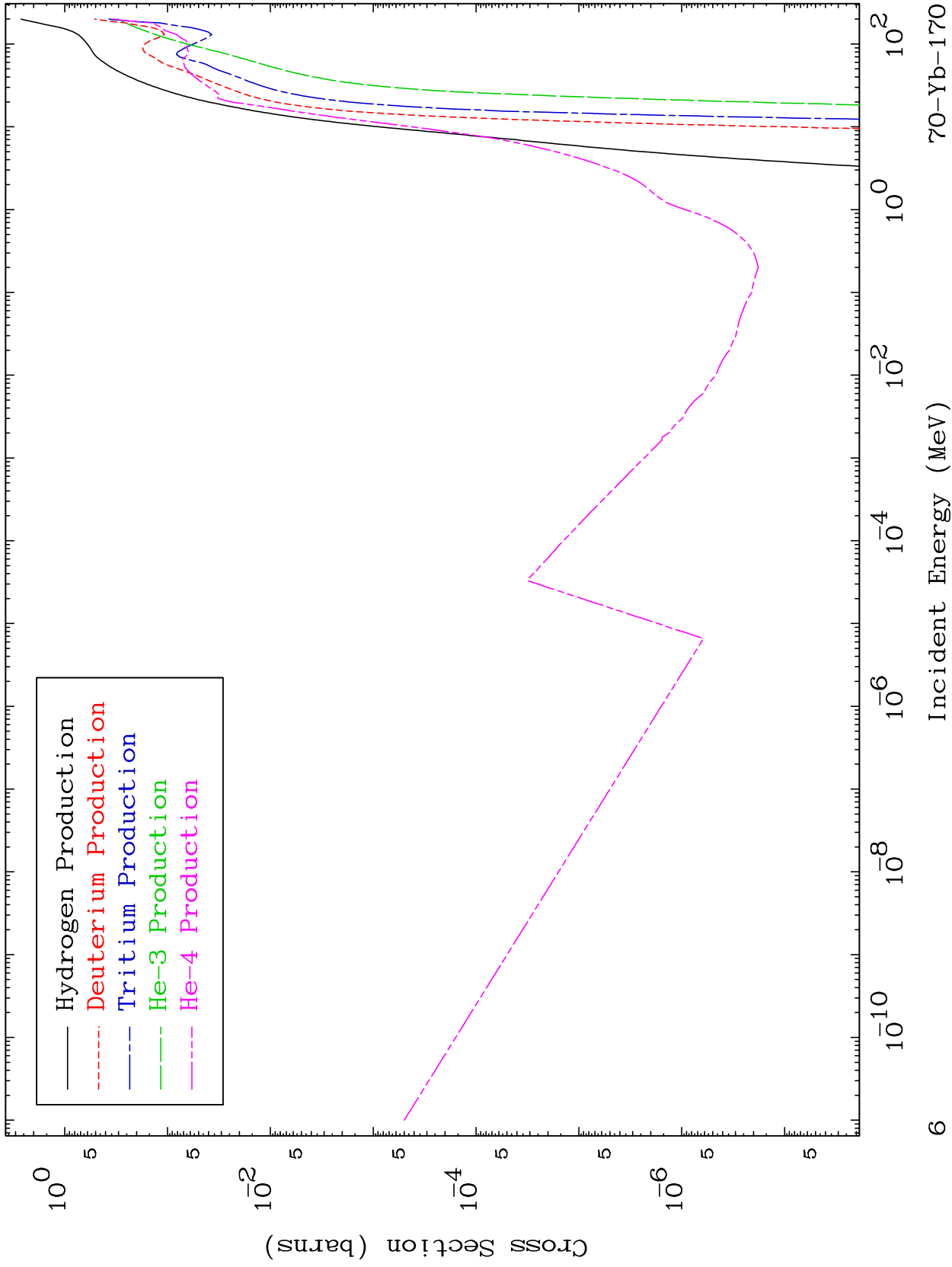


MAT 7031

Charged Particle
293 Kelvin Cross Sections

70-Yb-170

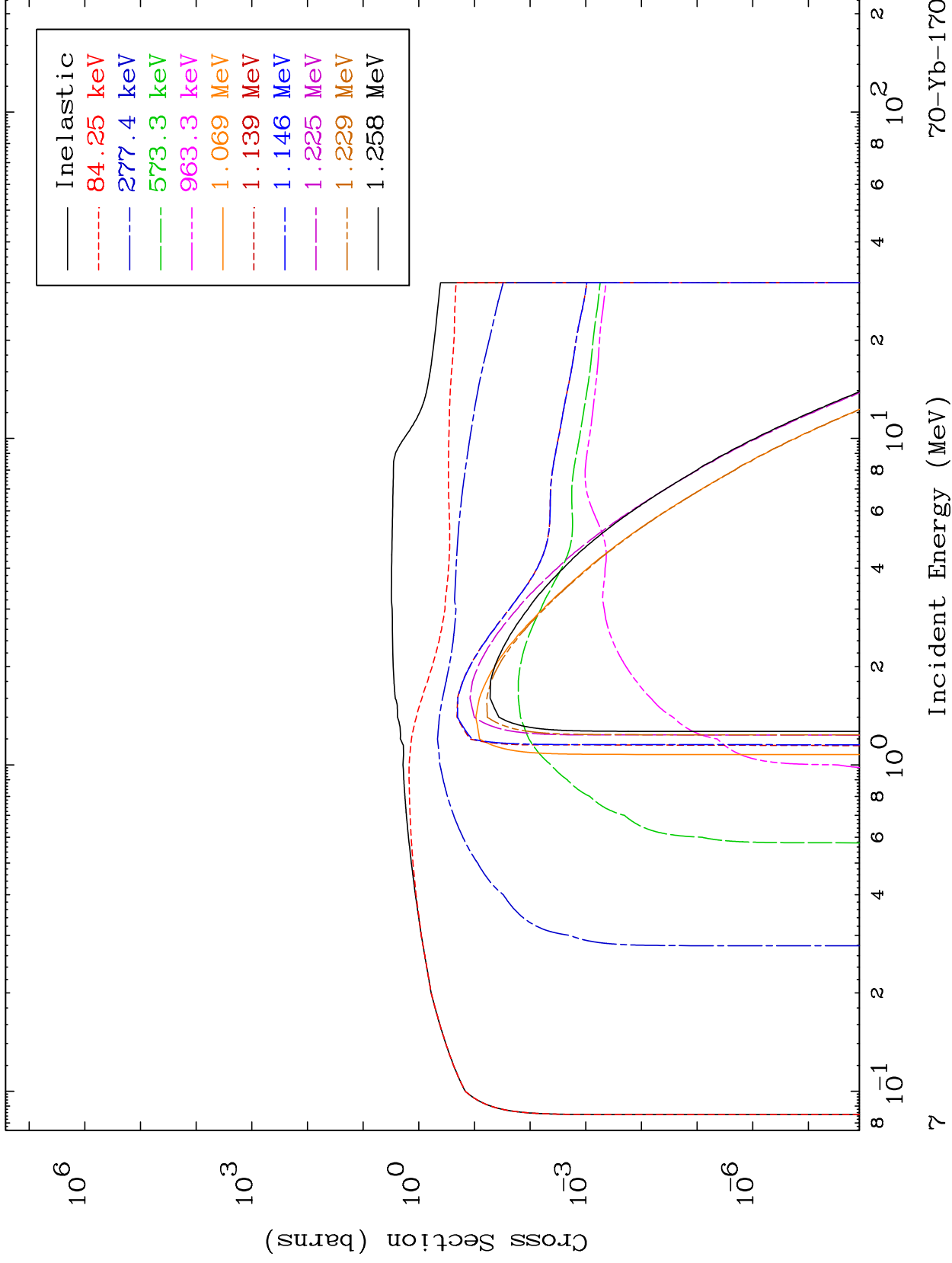




MAT 7031

(n,n') Level
293 Kelvin Cross Sections

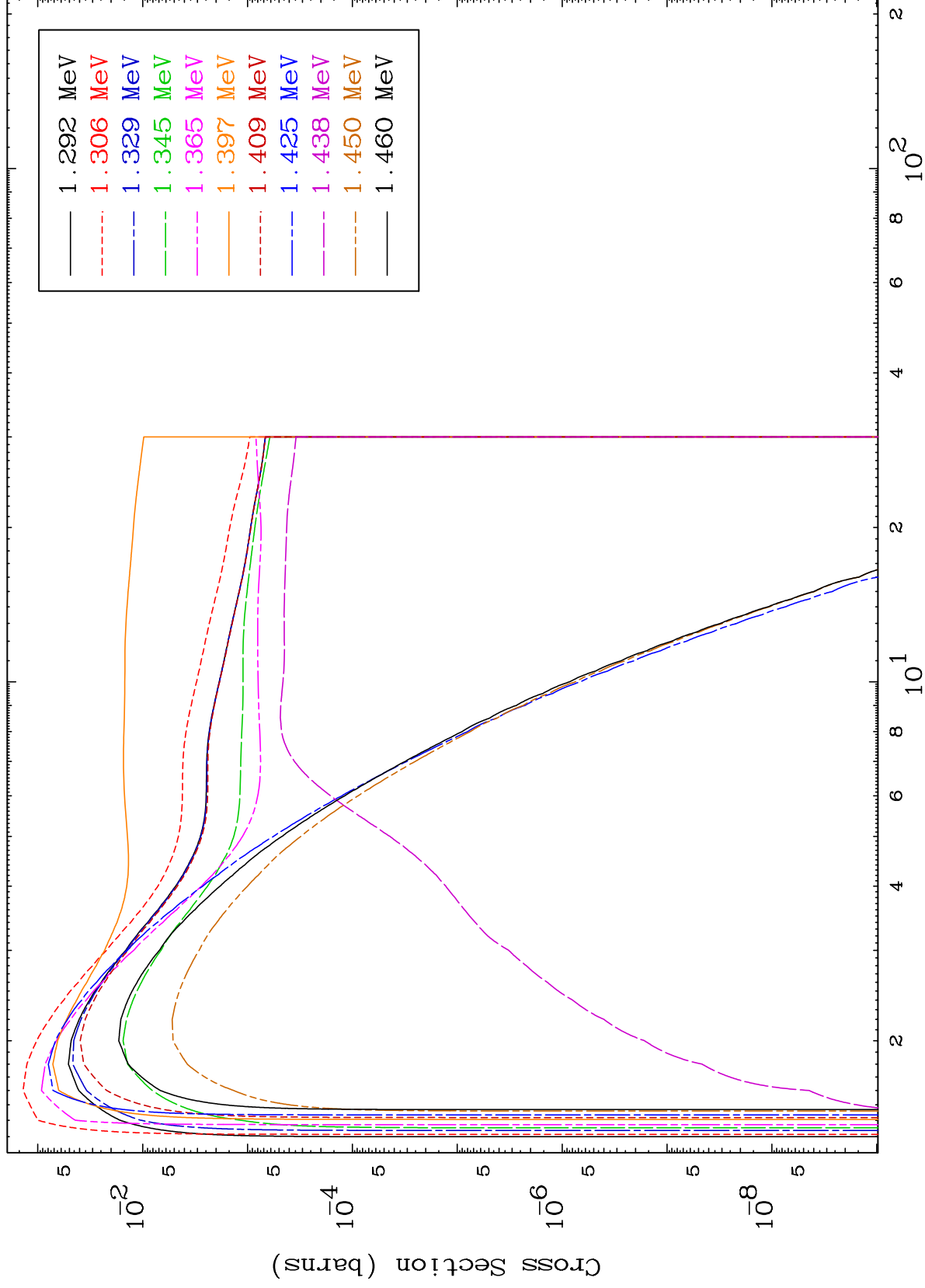
70-Yb-170



MAT 7031

(n,n') Level
293 Kelvin Cross Sections

70-Yb-170



8

Incident Energy (MeV)

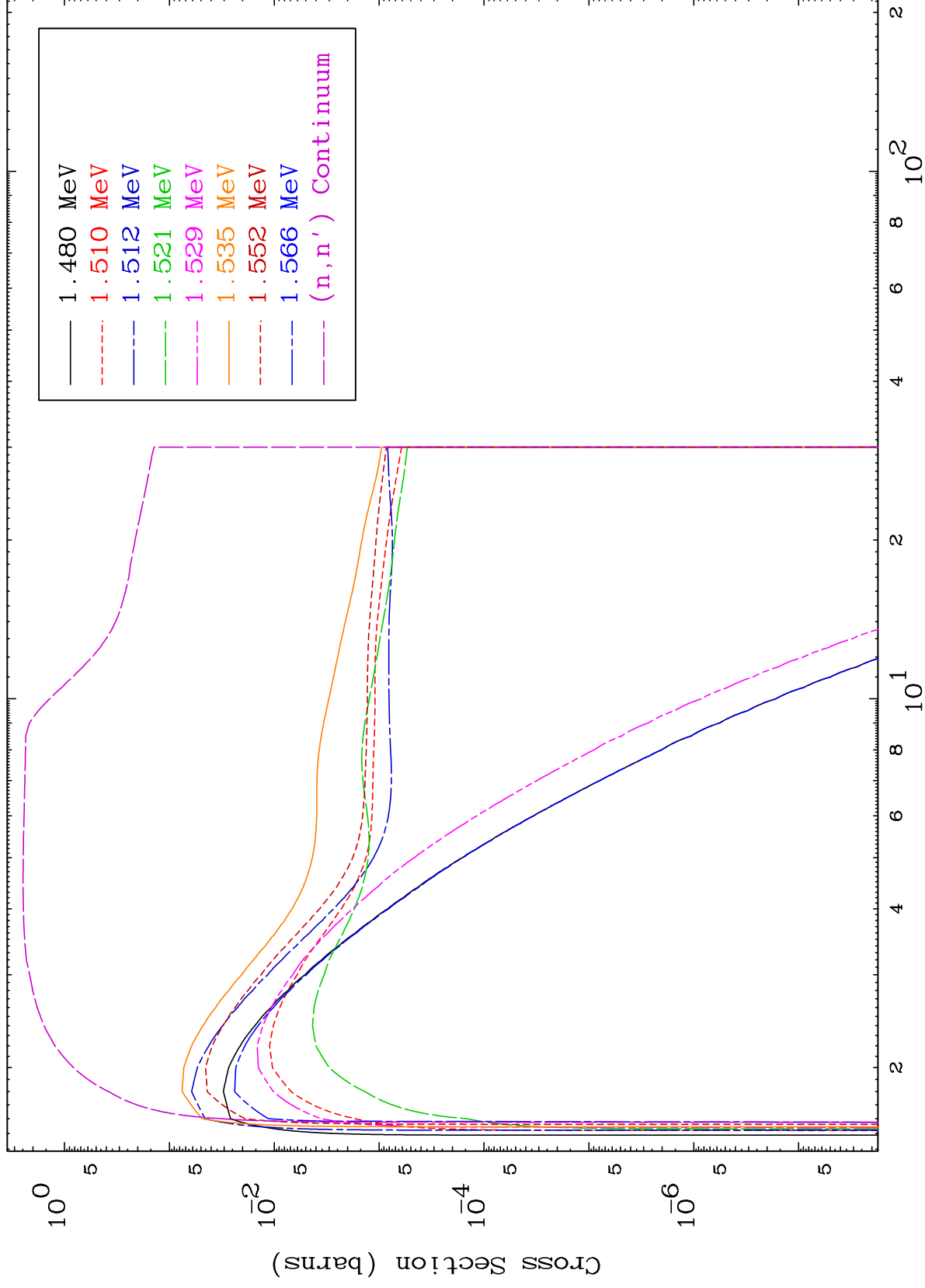
70-Yb-170

MAT 7031

(n,n') Level

70-Yb-170

293 Kelvin Cross Sections



9

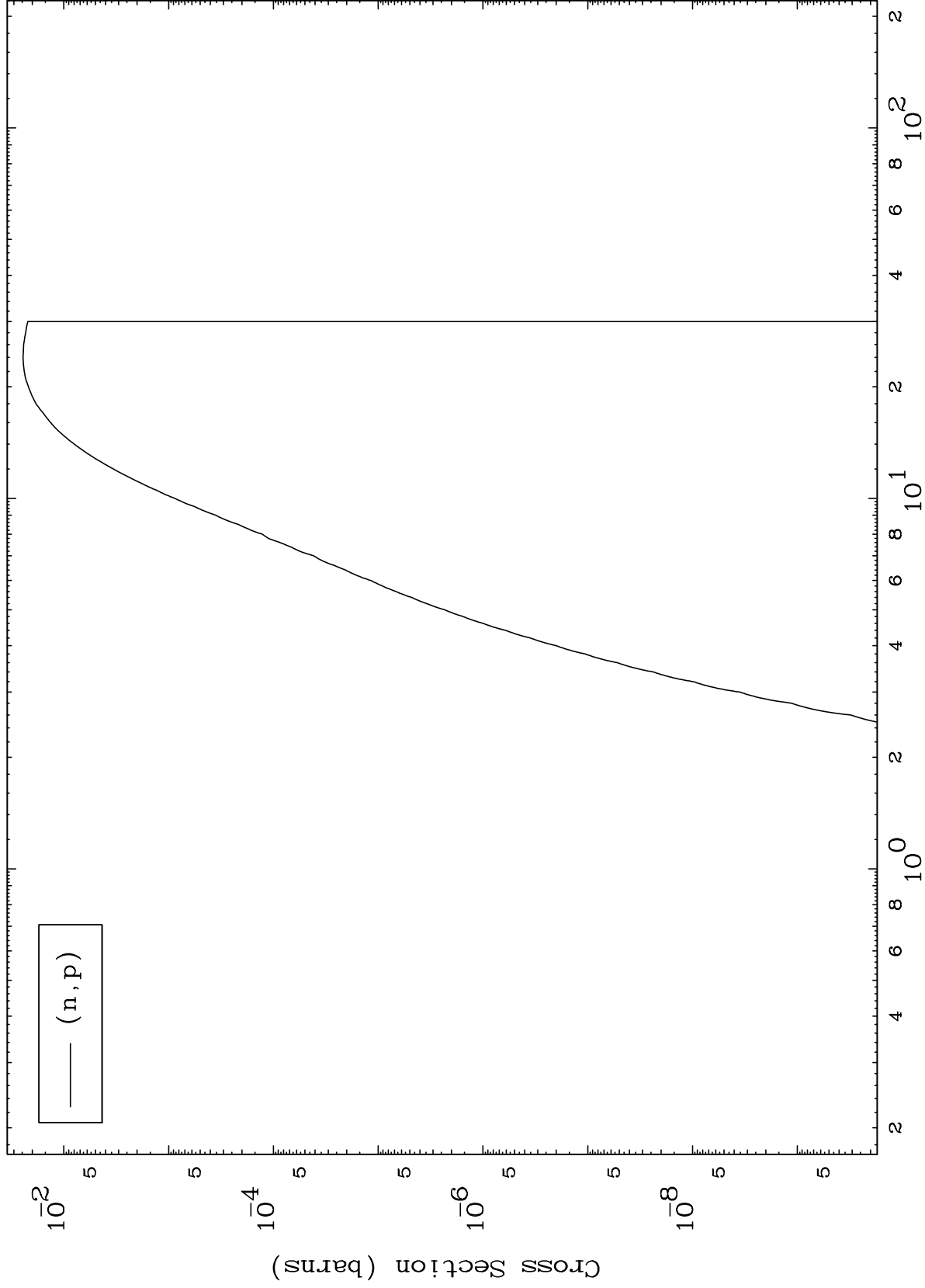
Incident Energy (MeV)

70-Yb-170

MAT 7031

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-170



10

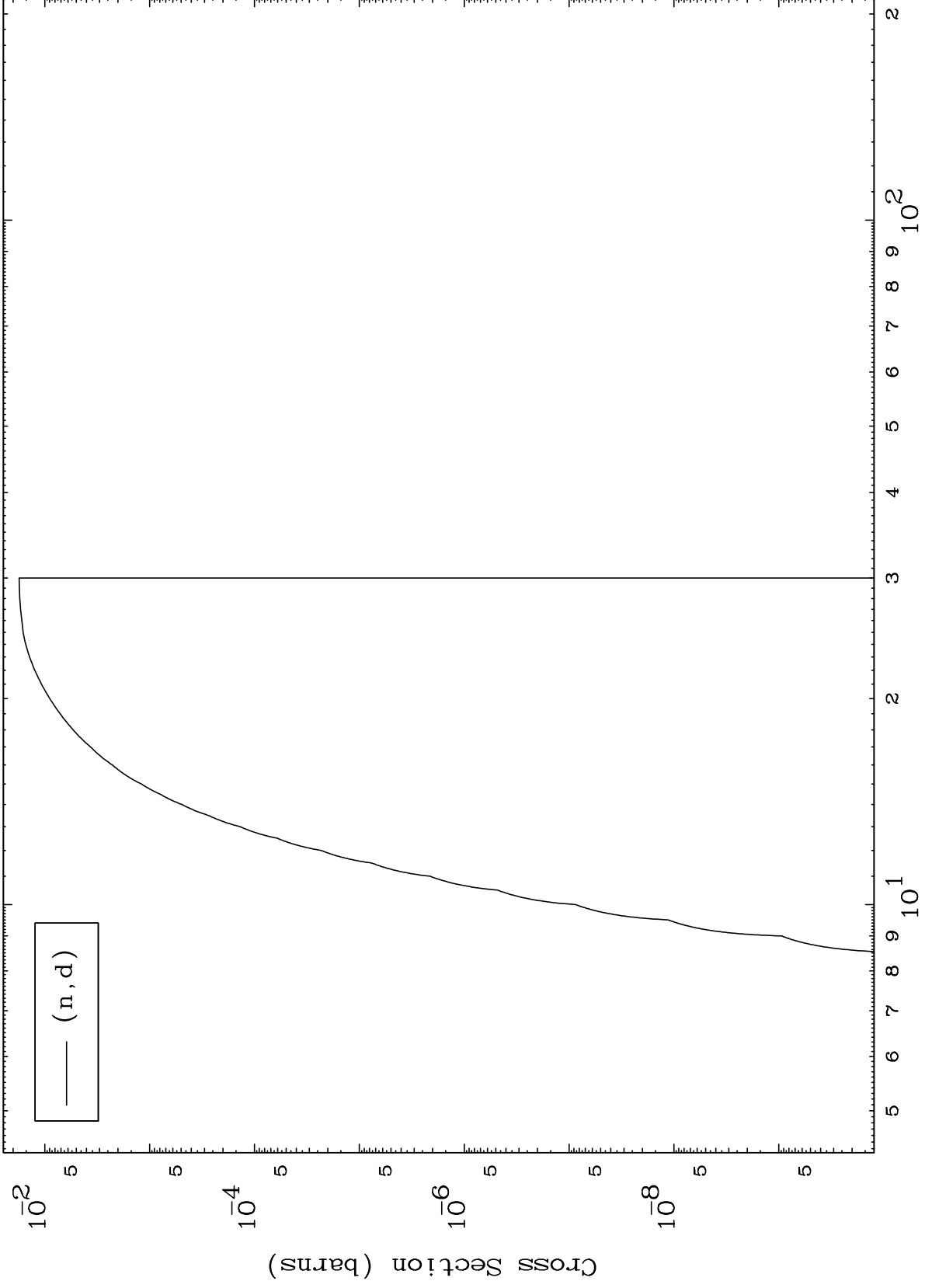
Incident Energy (MeV)

70-Yb-170

MAT 7031

(n,d) Levels
293 Kelvin Cross Sections

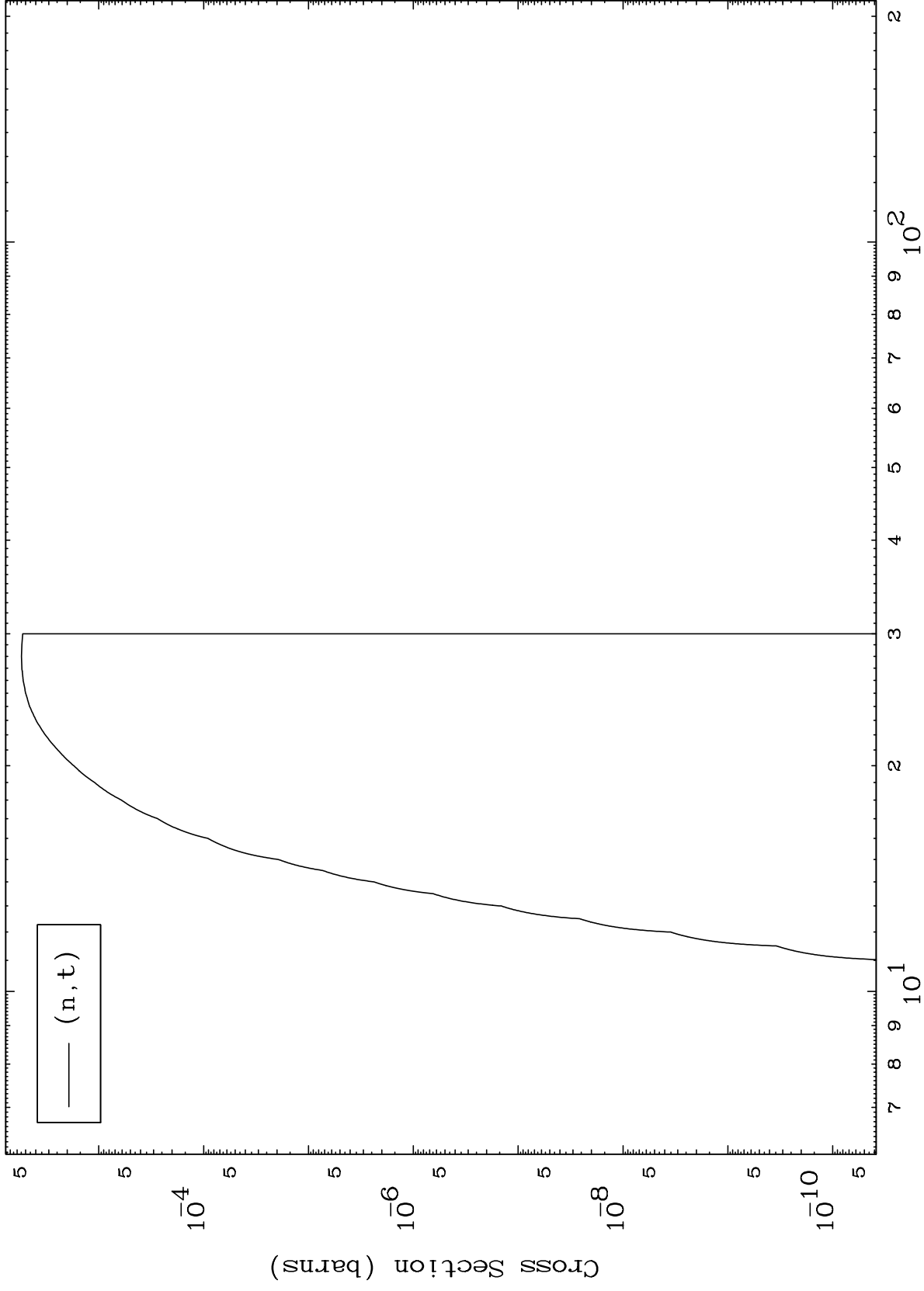
70-Yb-170



MAT 7031

70-Yb-170

(n,t) Levels
293 Kelvin Cross Sections



70-Yb-170

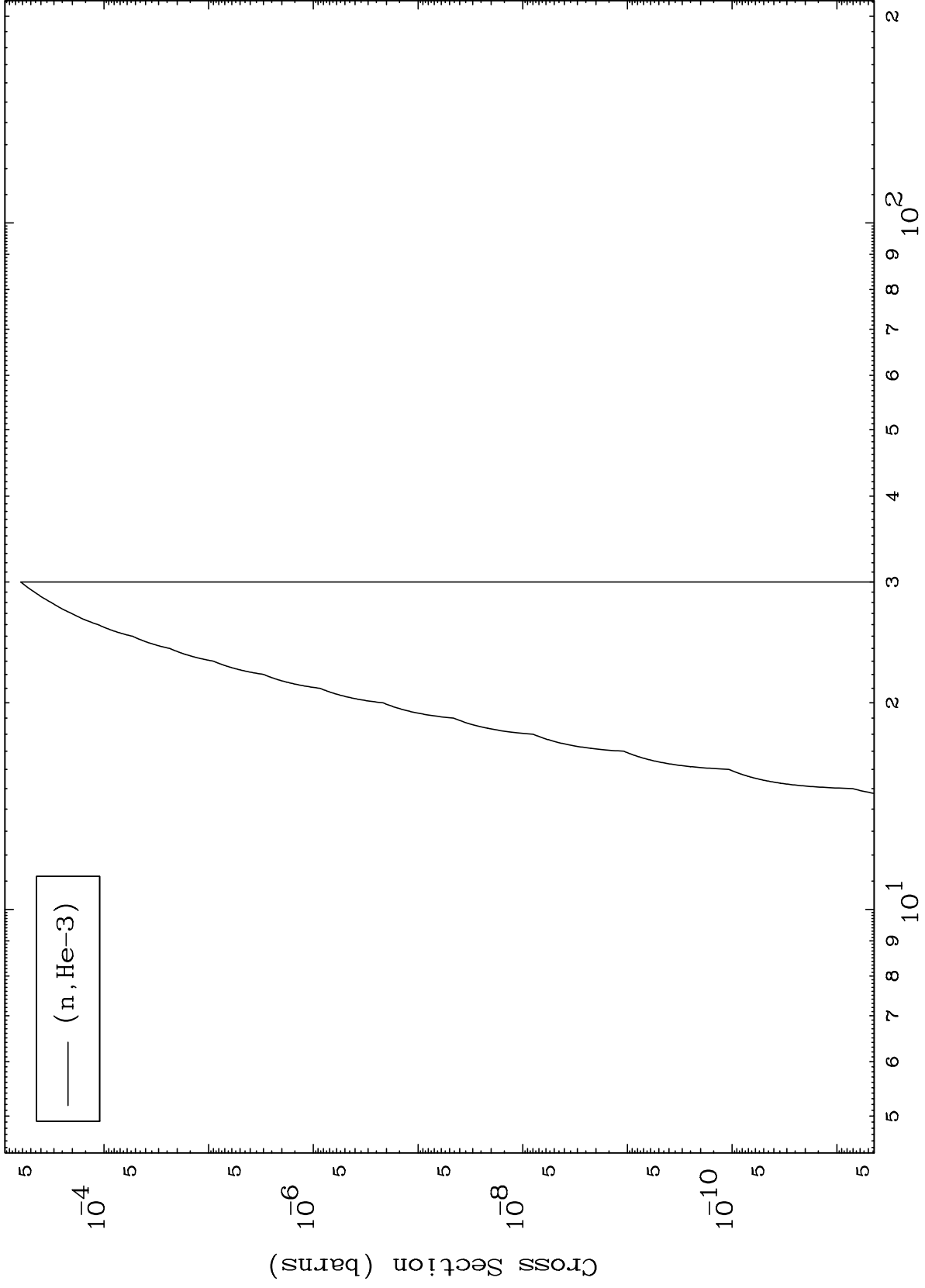
Incident Energy (MeV)

12

MAT 7031

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-170



13

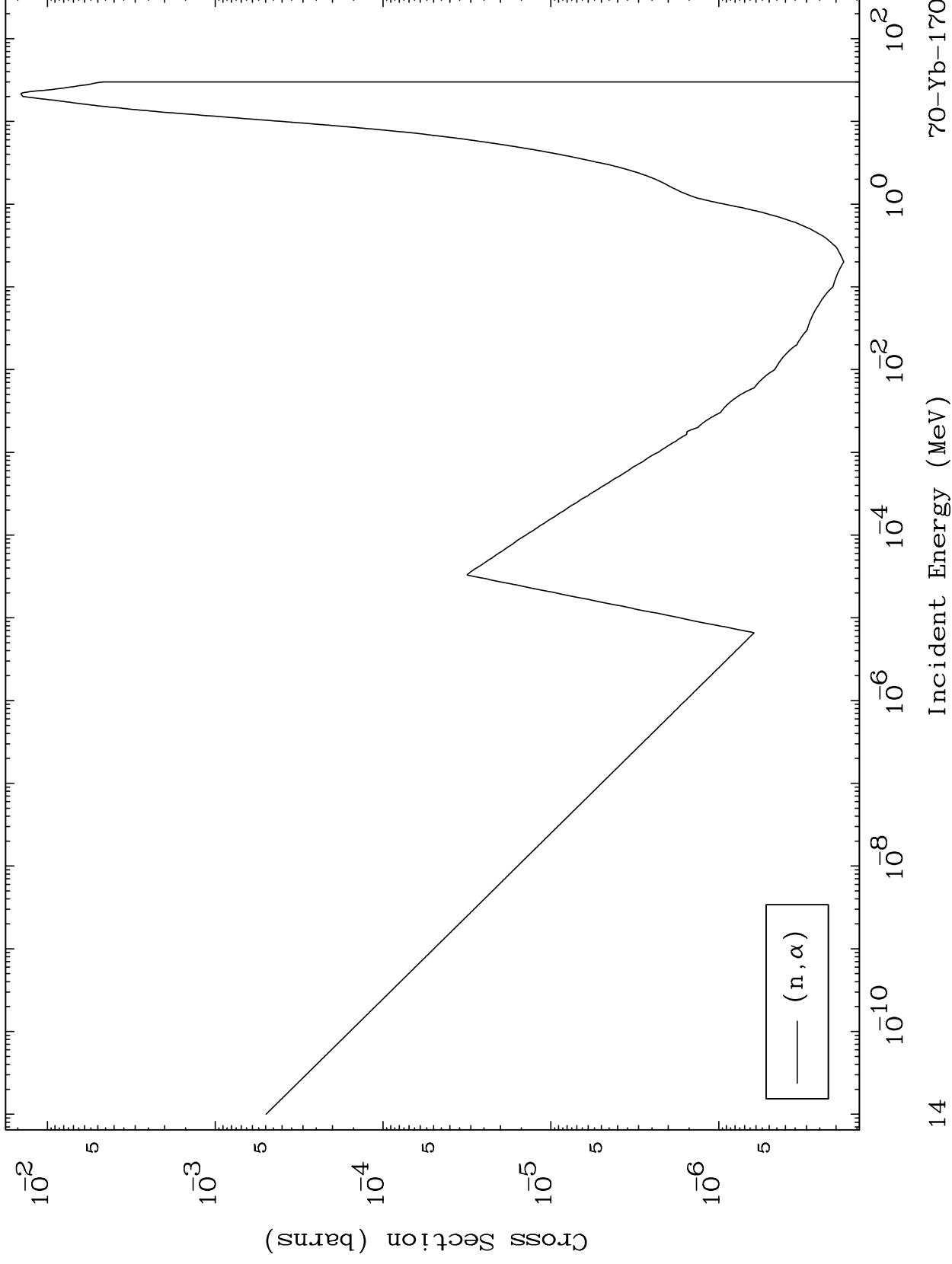
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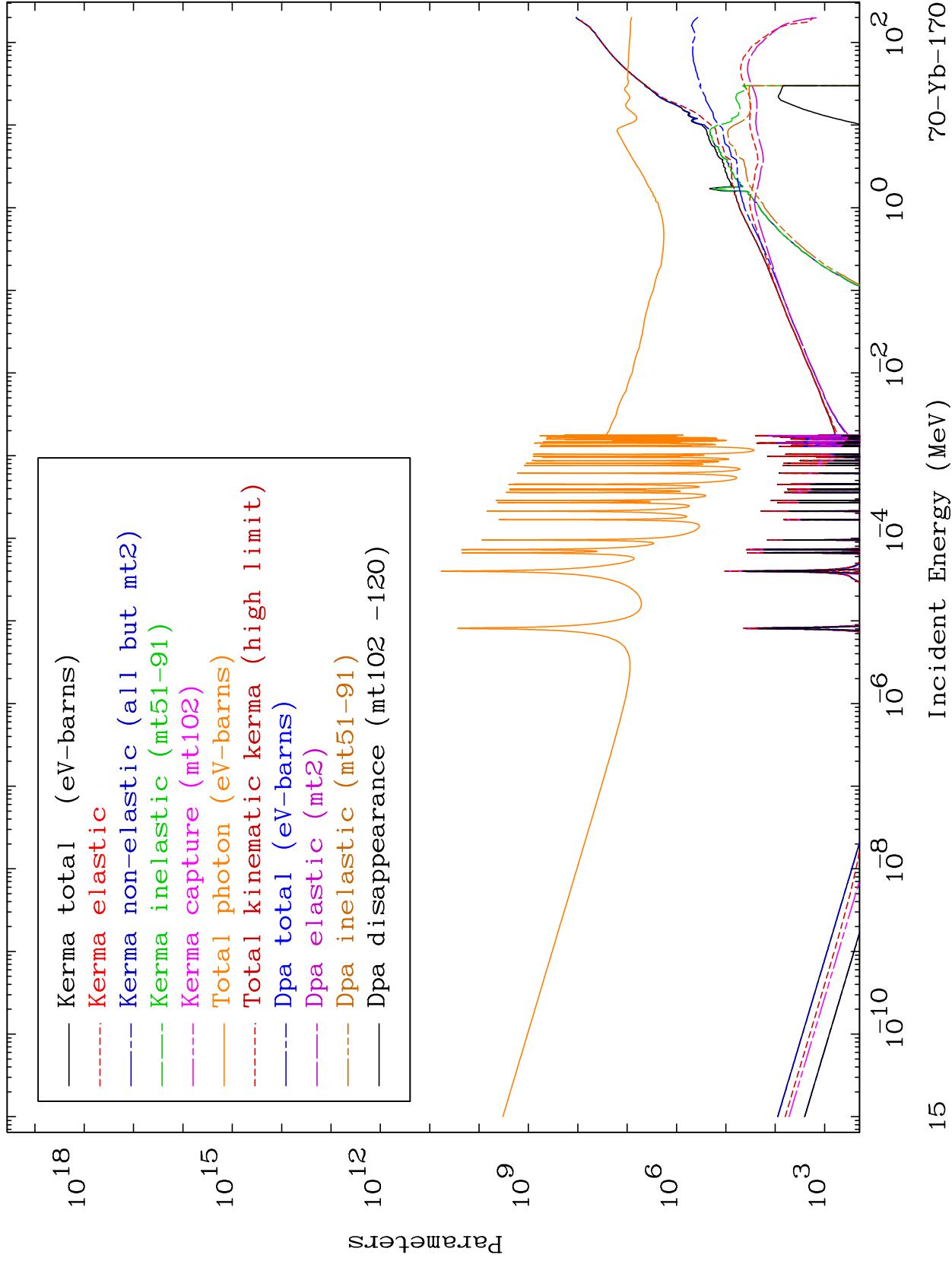
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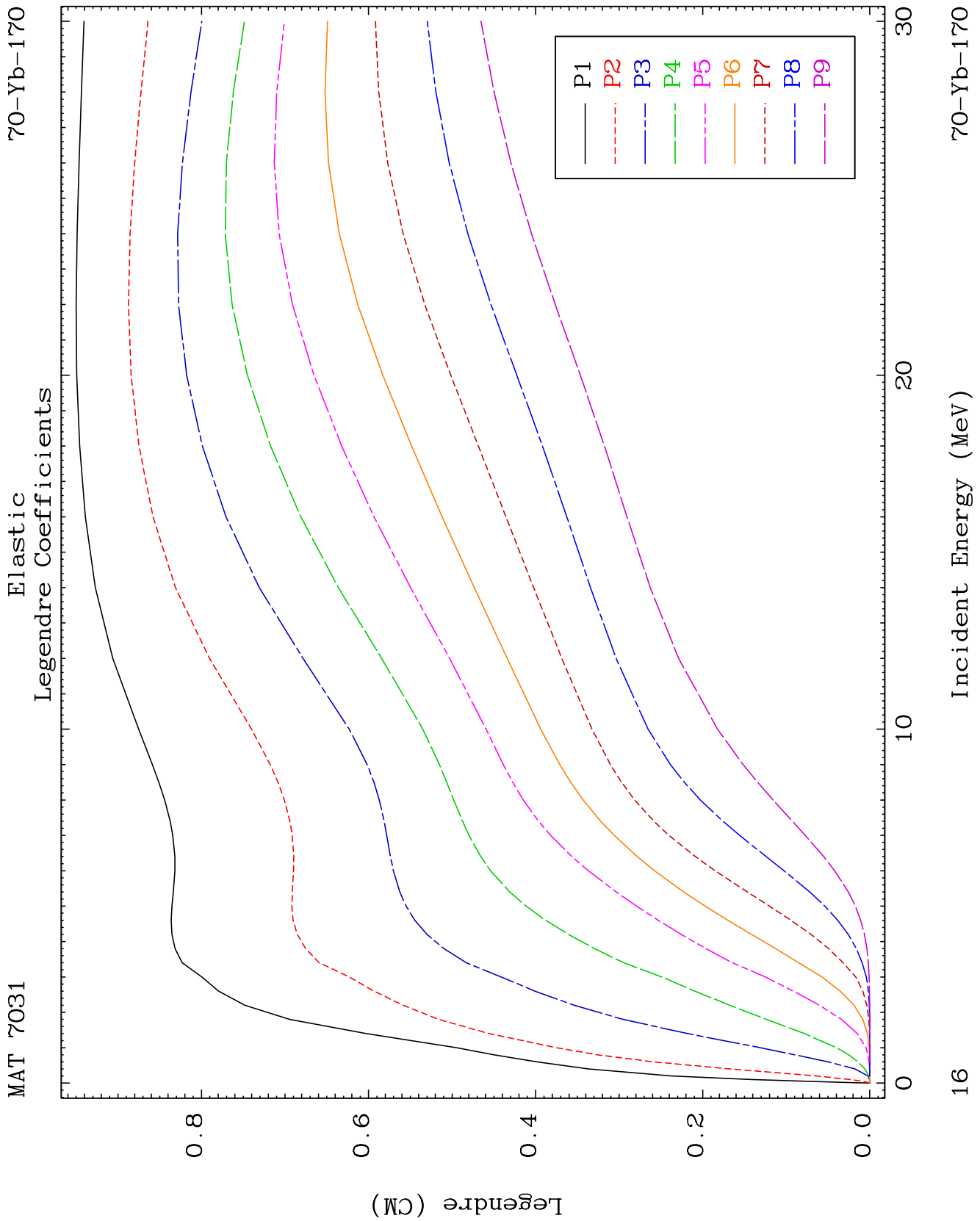
MAT 7031

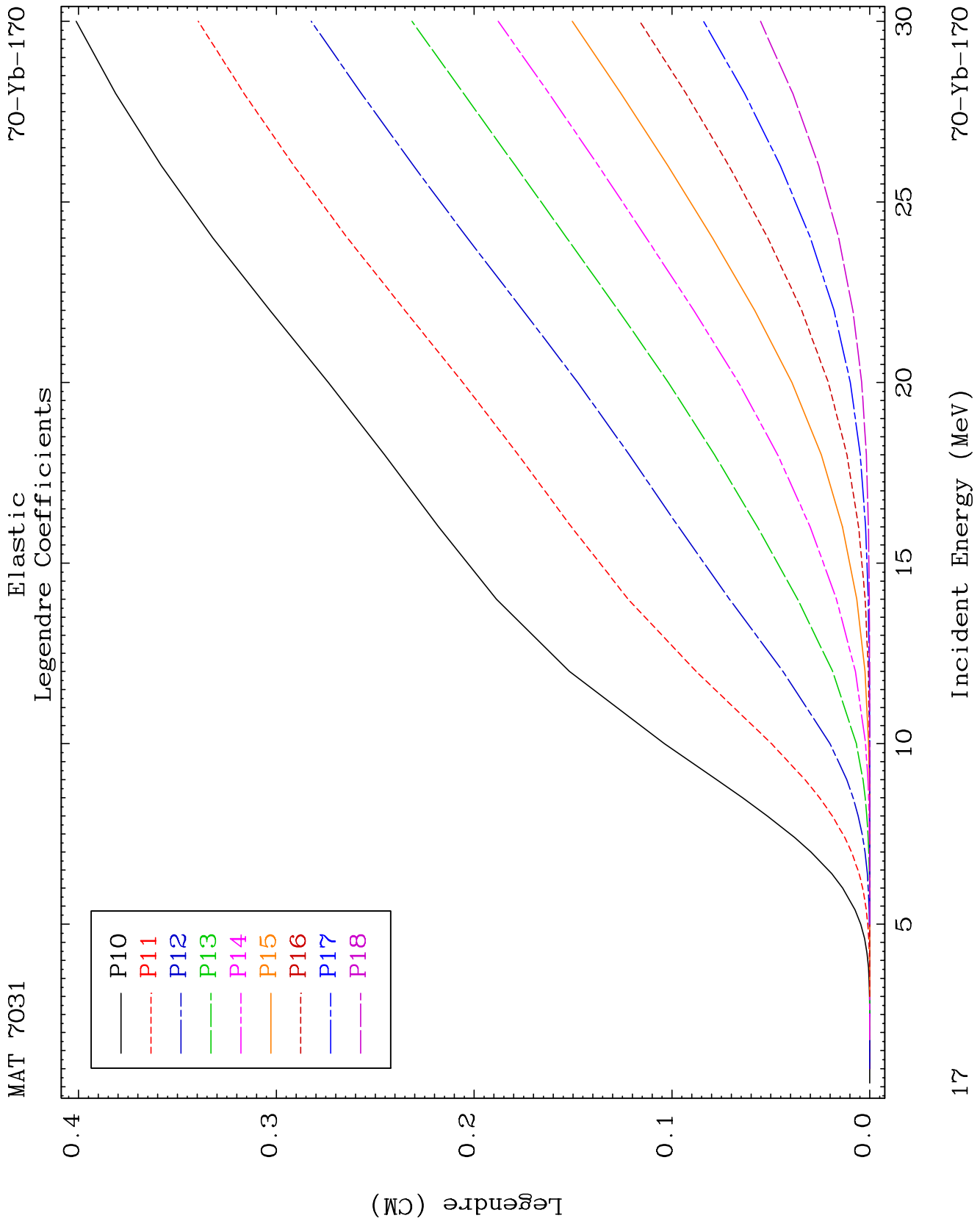
(n, α) Levels
293 Kelvin Cross Sections

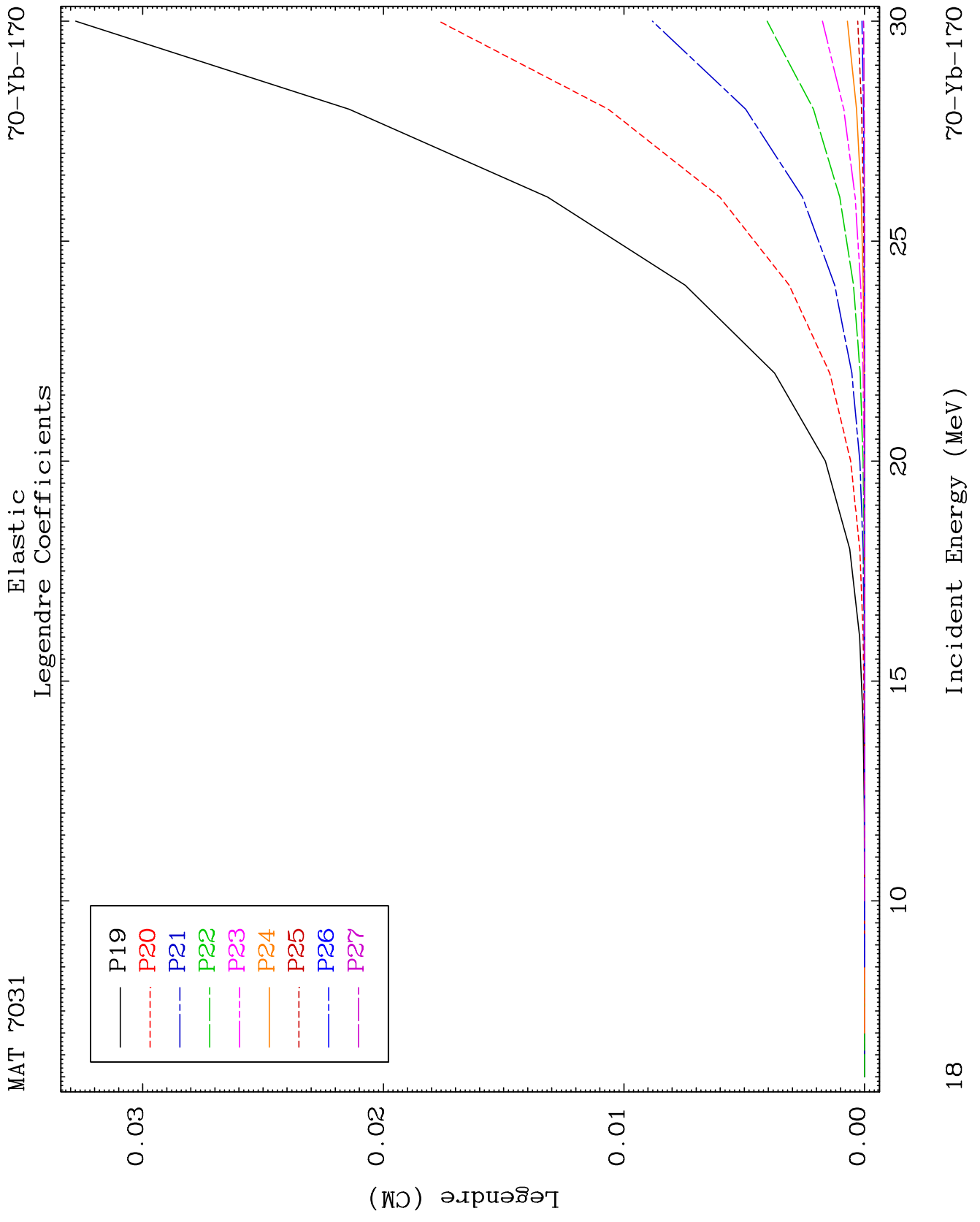
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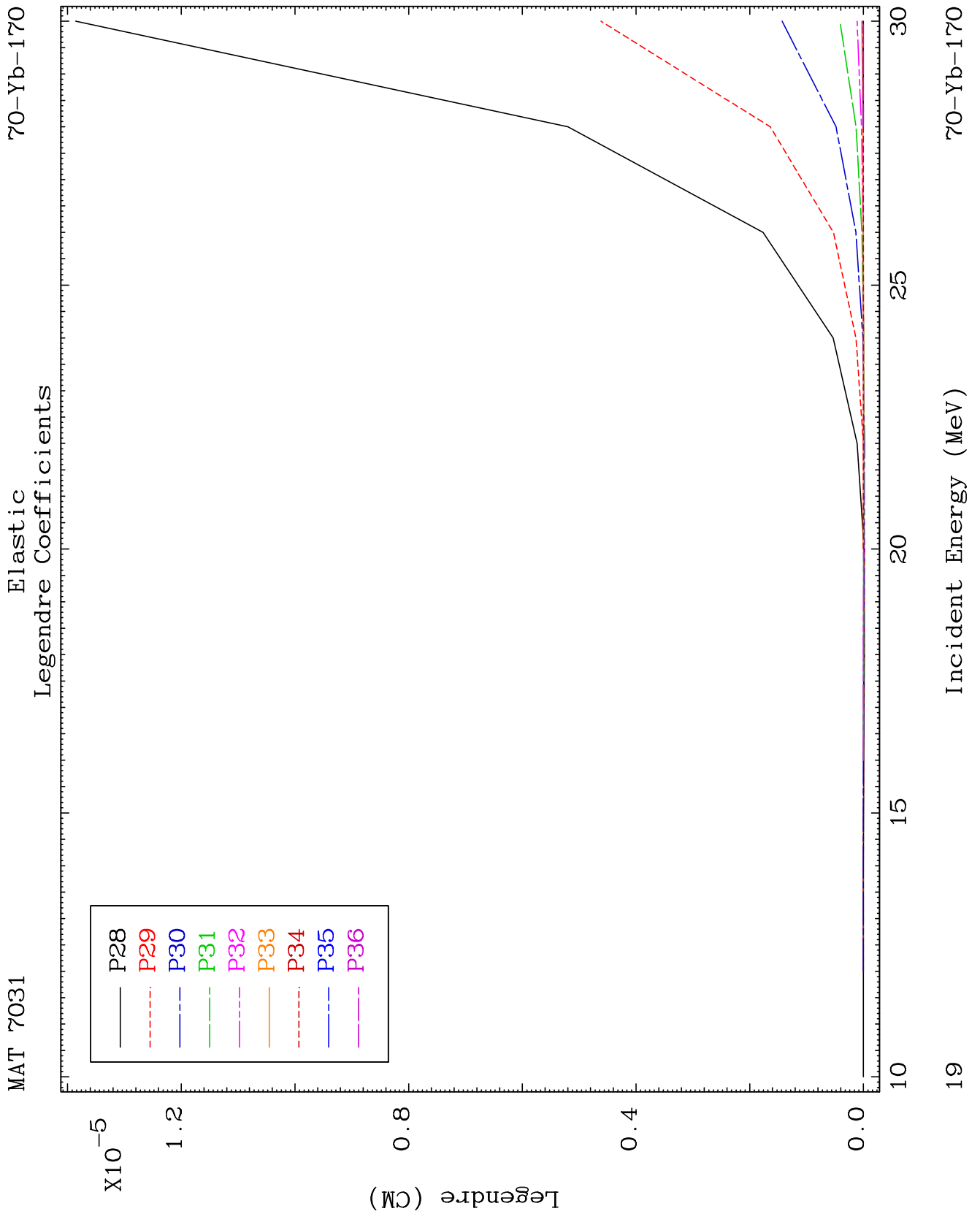


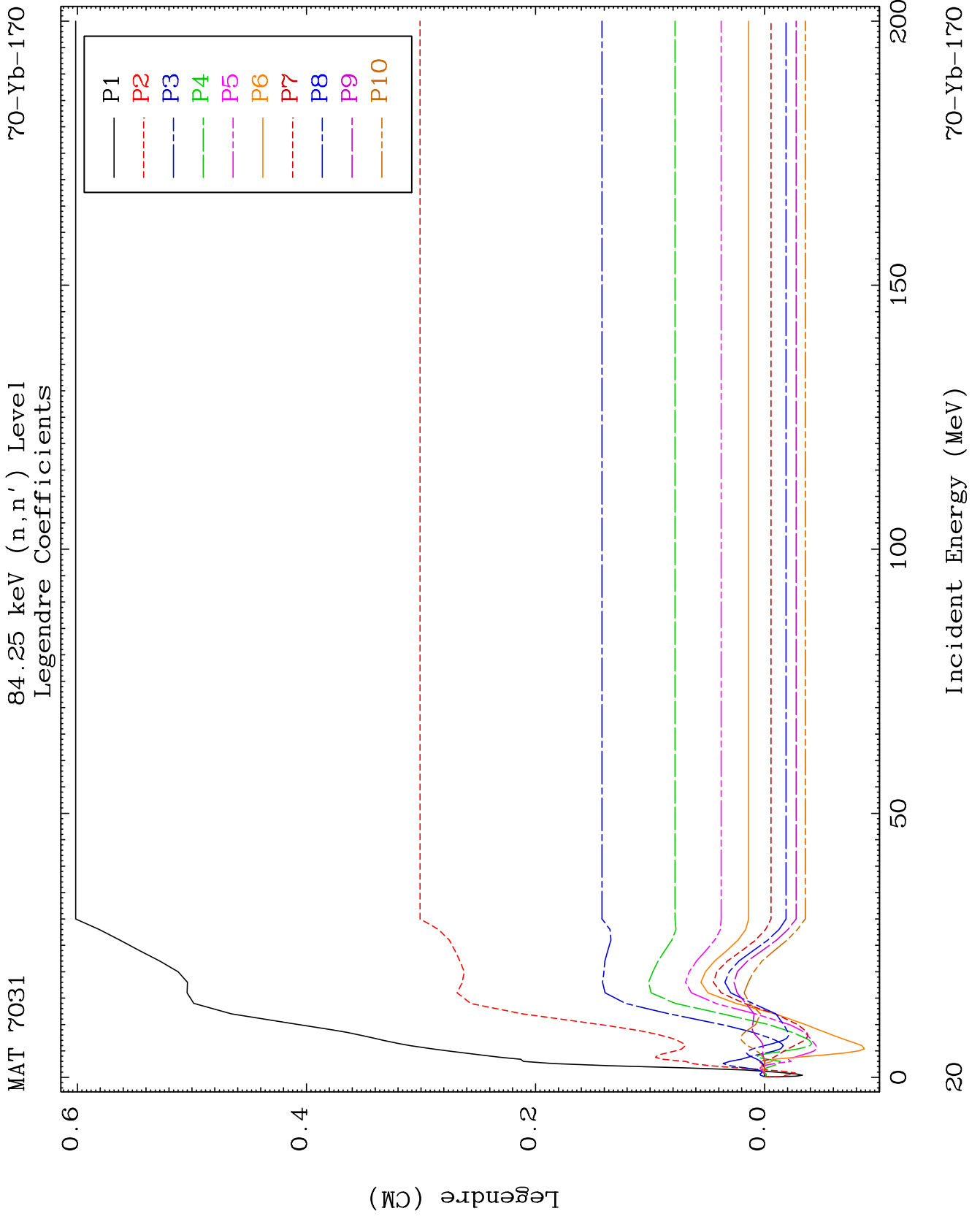








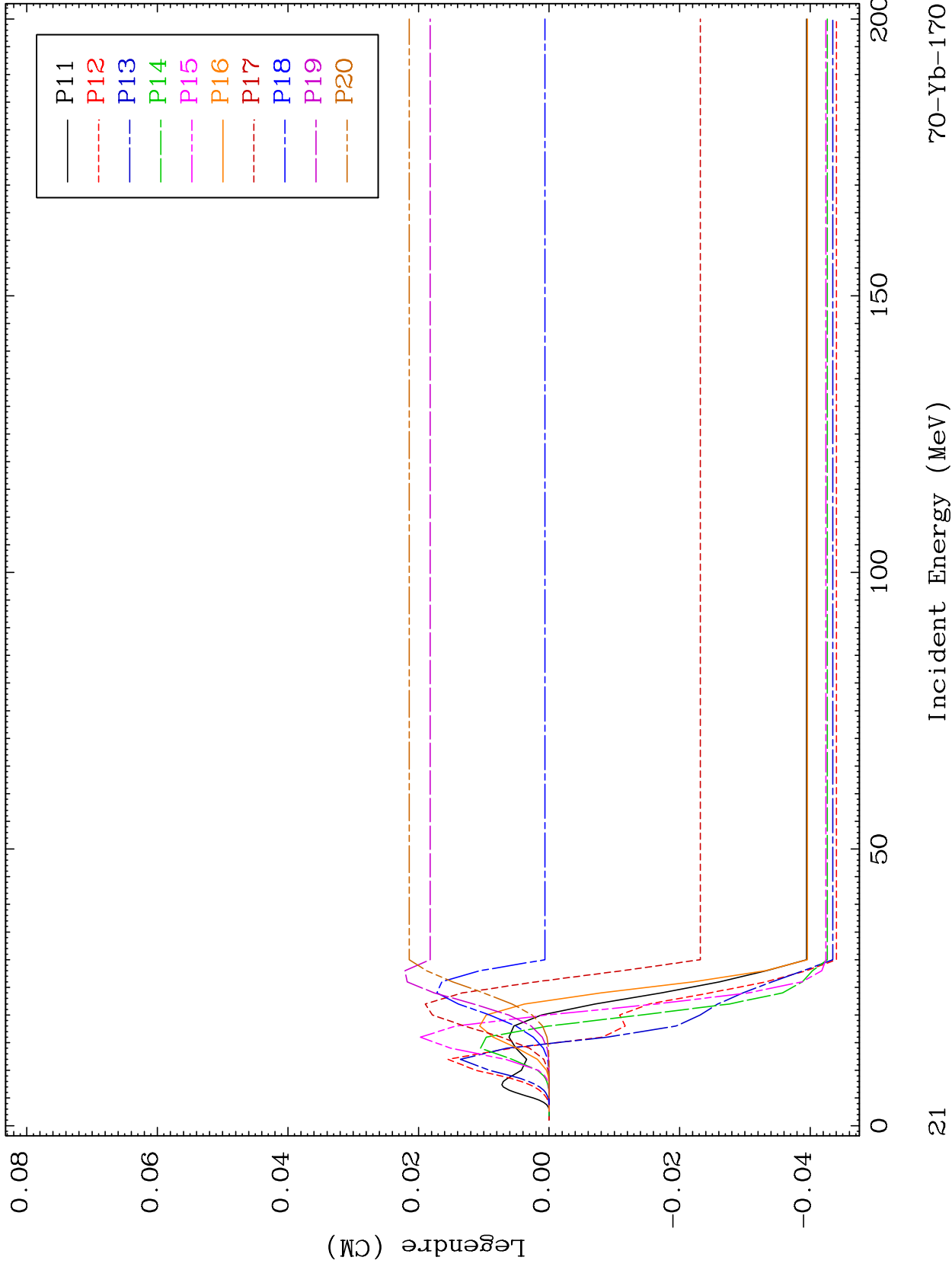




MAT 7031

84.25 keV (n,n') Level
Legendre Coefficients

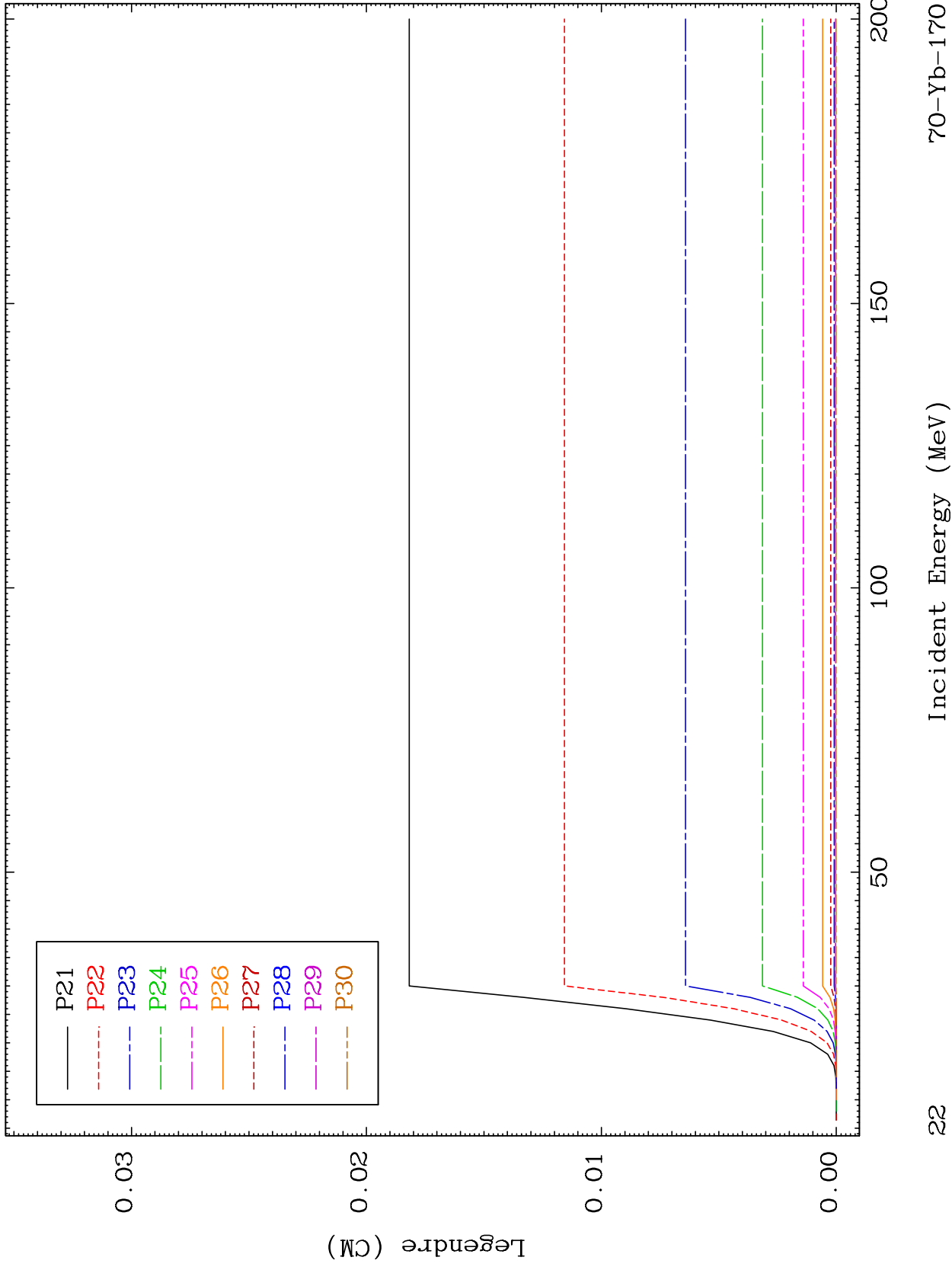
70-Yb-170



MAT 7031

84.25 keV (n,n') Level
Legendre Coefficients

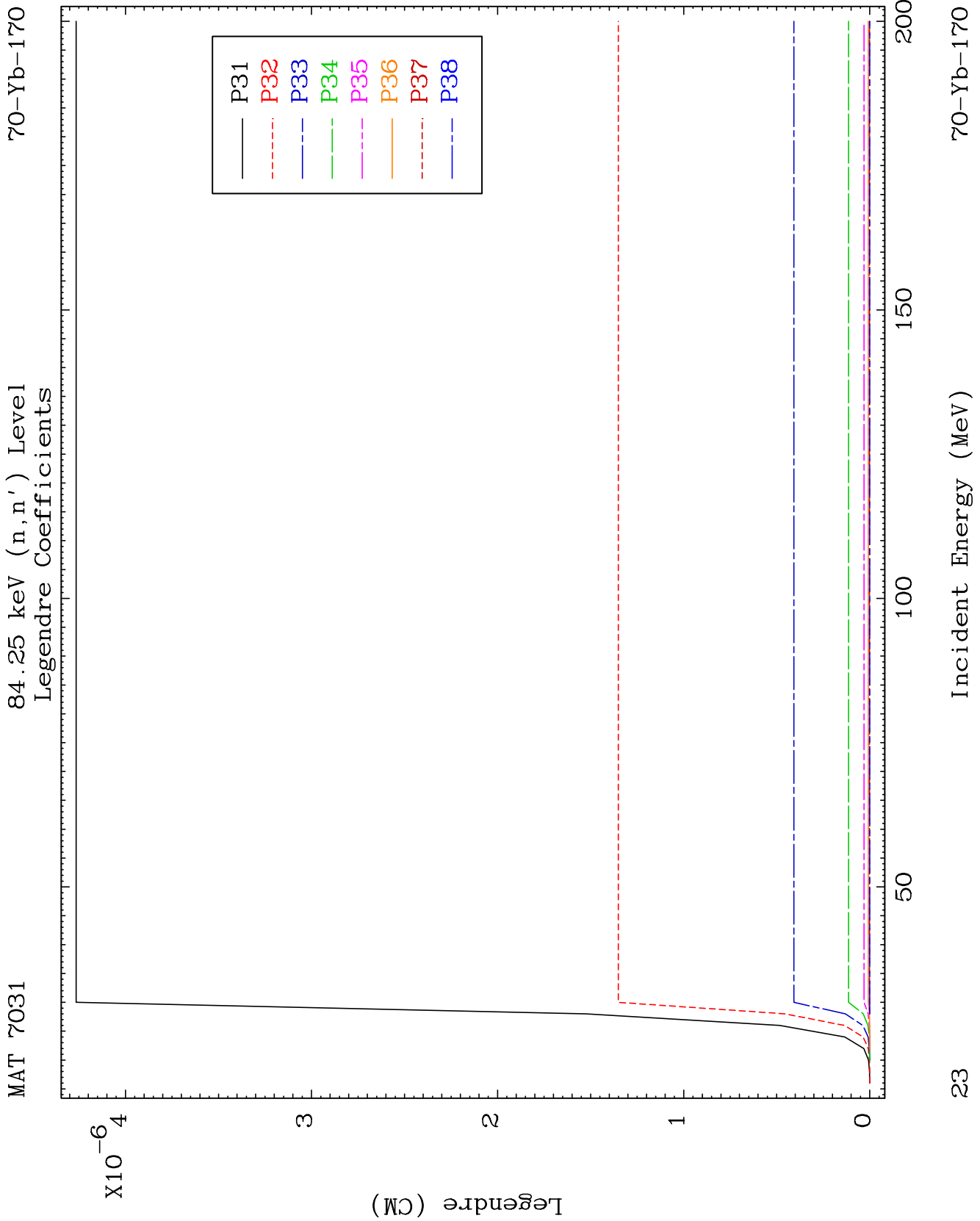
70-Yb-170



22

Incident Energy (MeV)

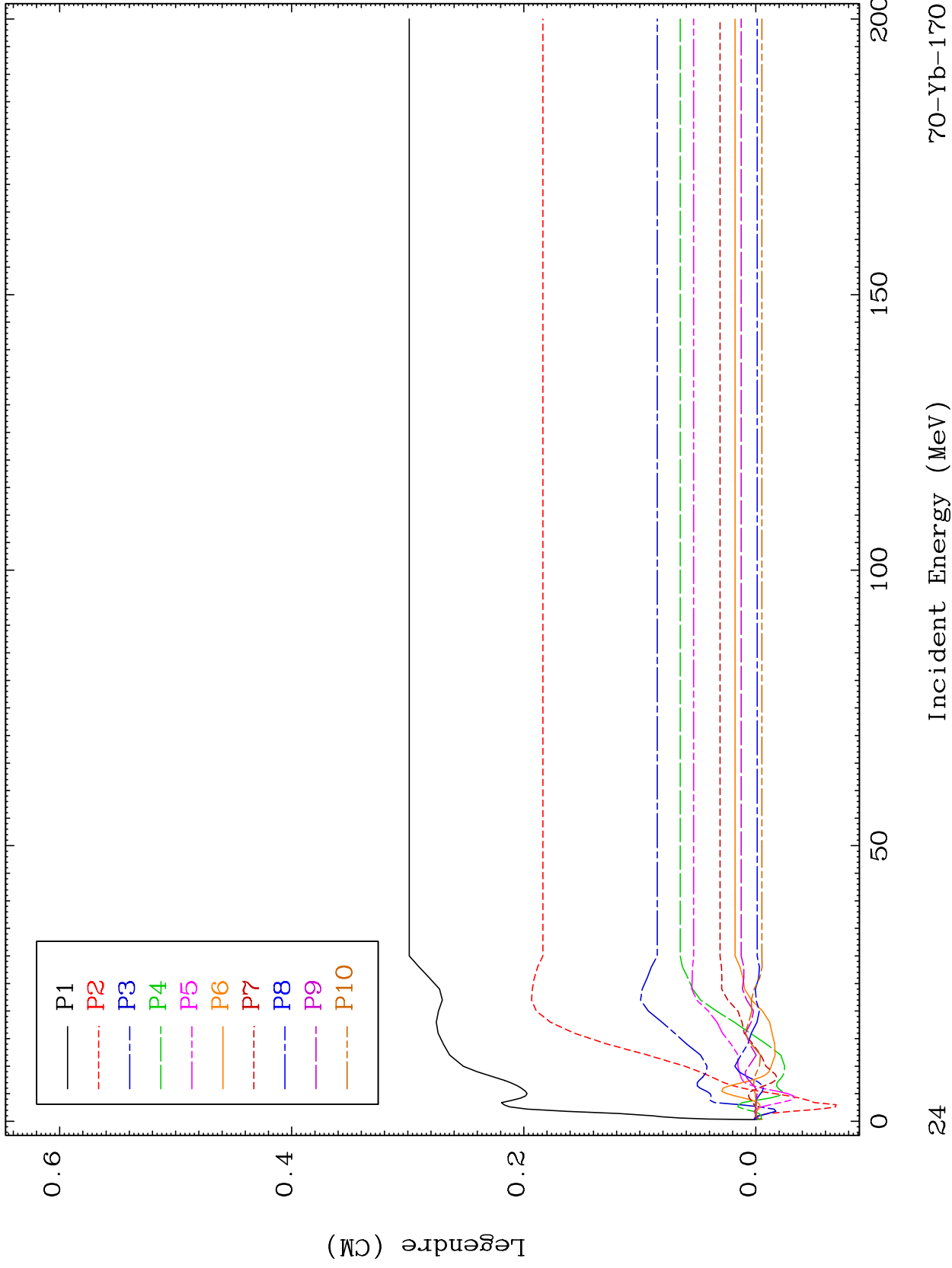
70-Yb-170



MAT 7031

277.4 keV (n,n') Level
Legendre Coefficients

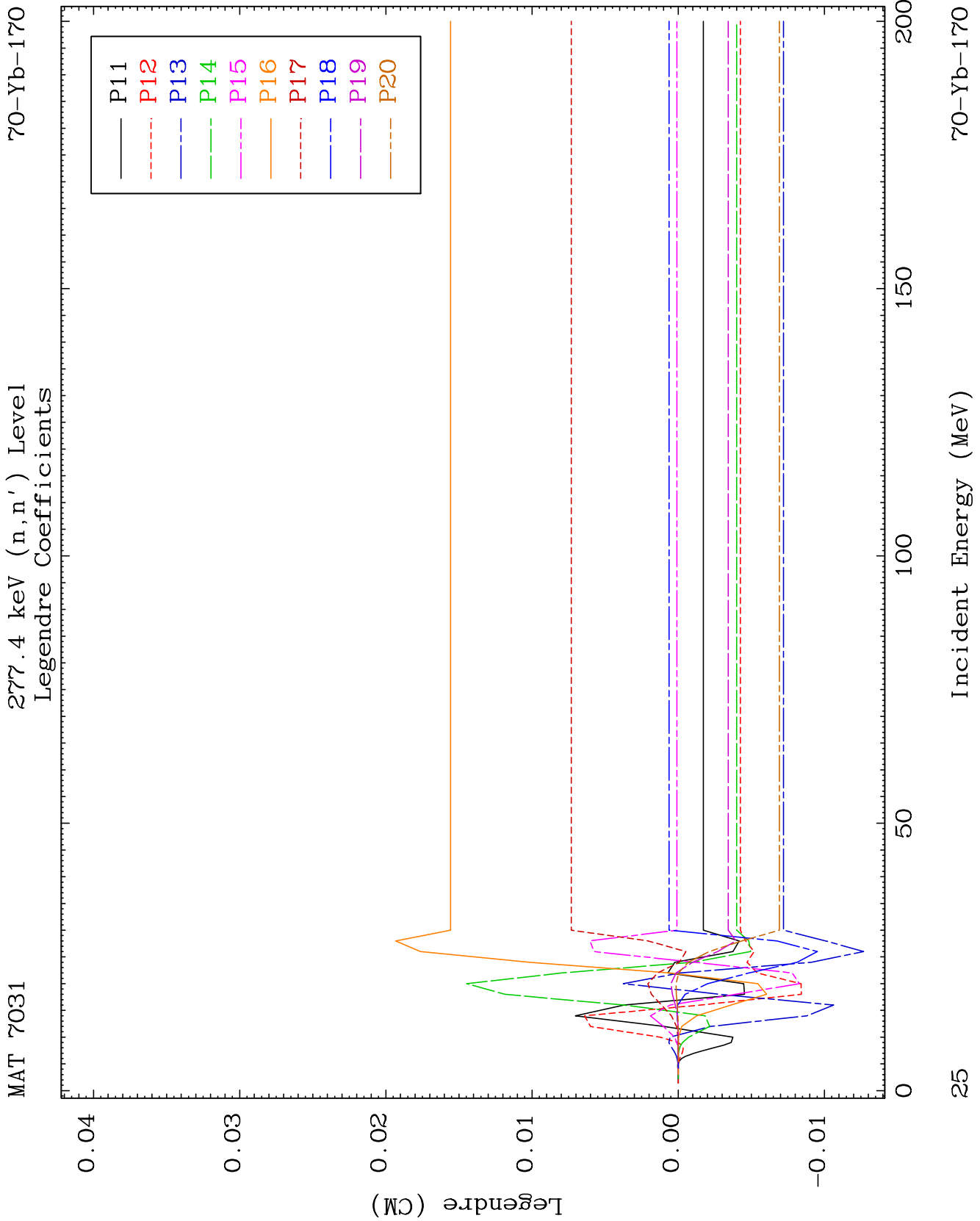
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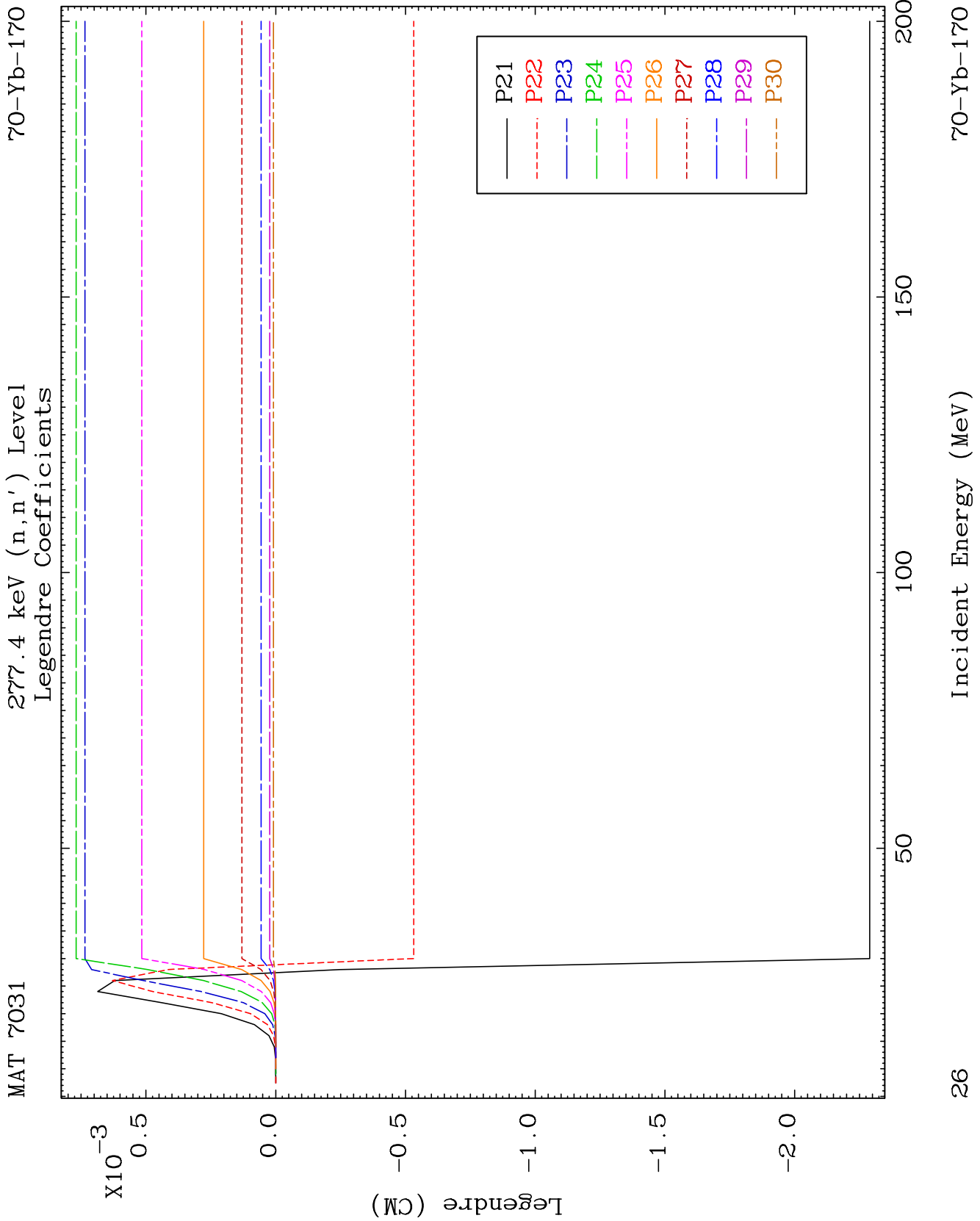


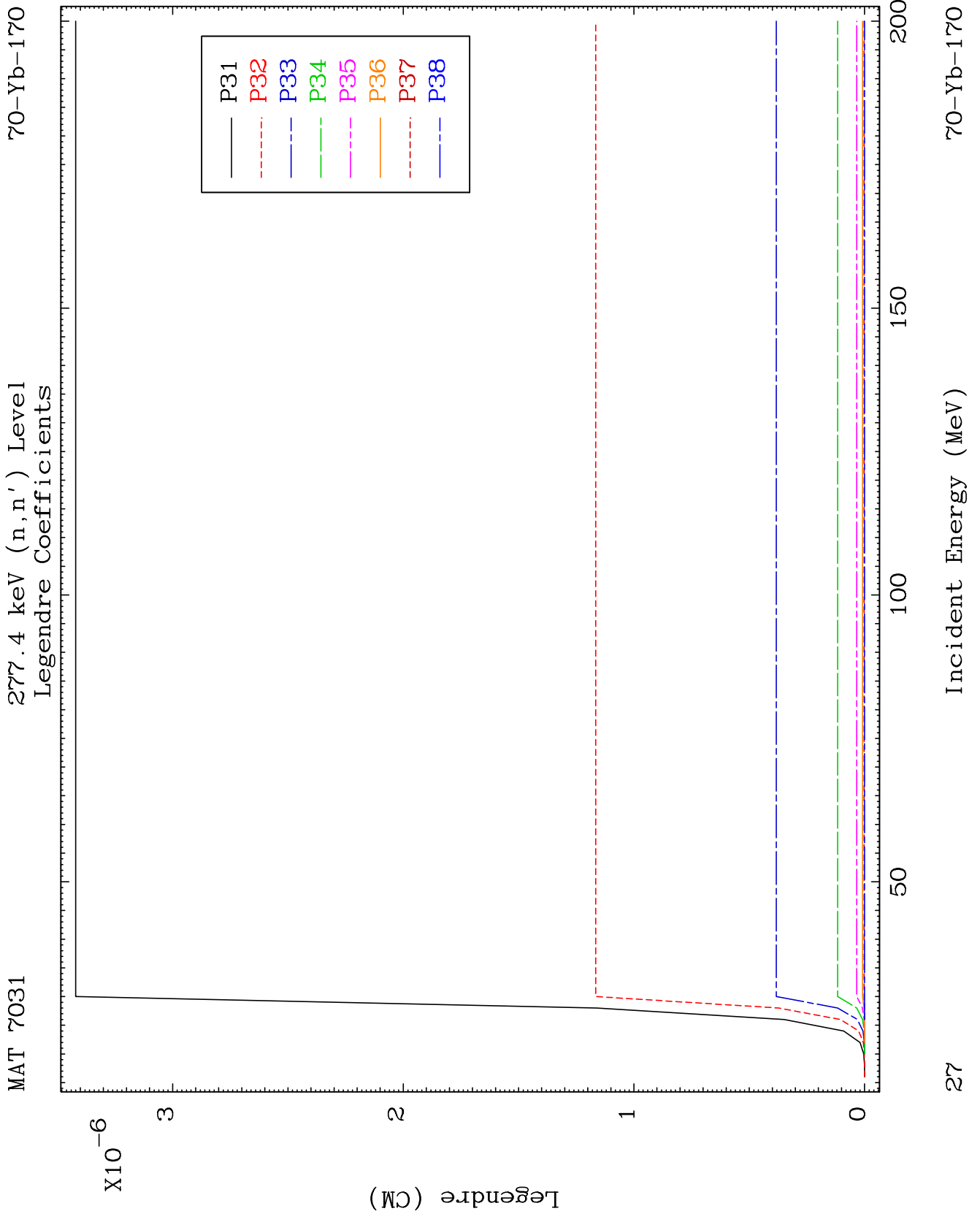
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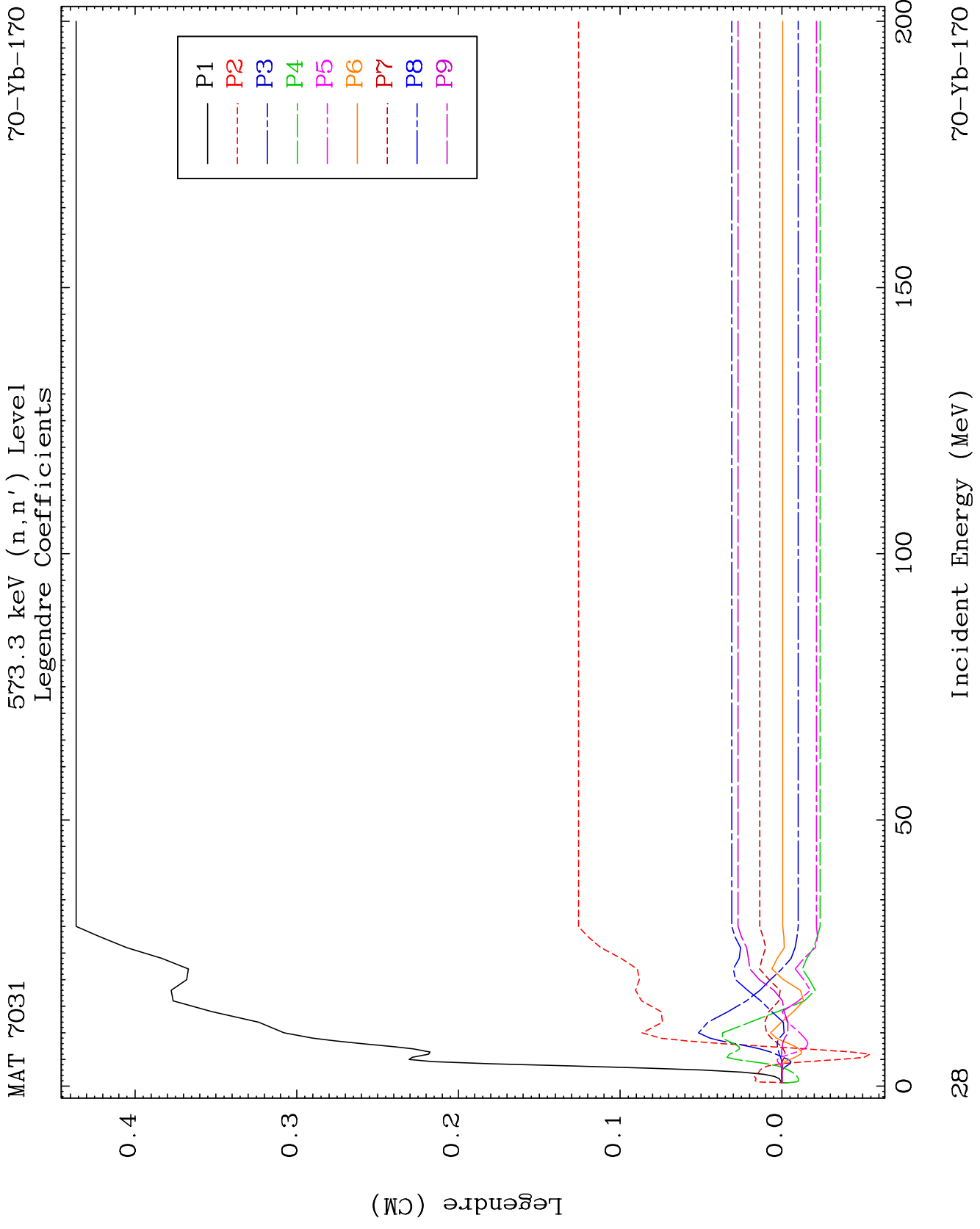
Incident Energy (MeV)

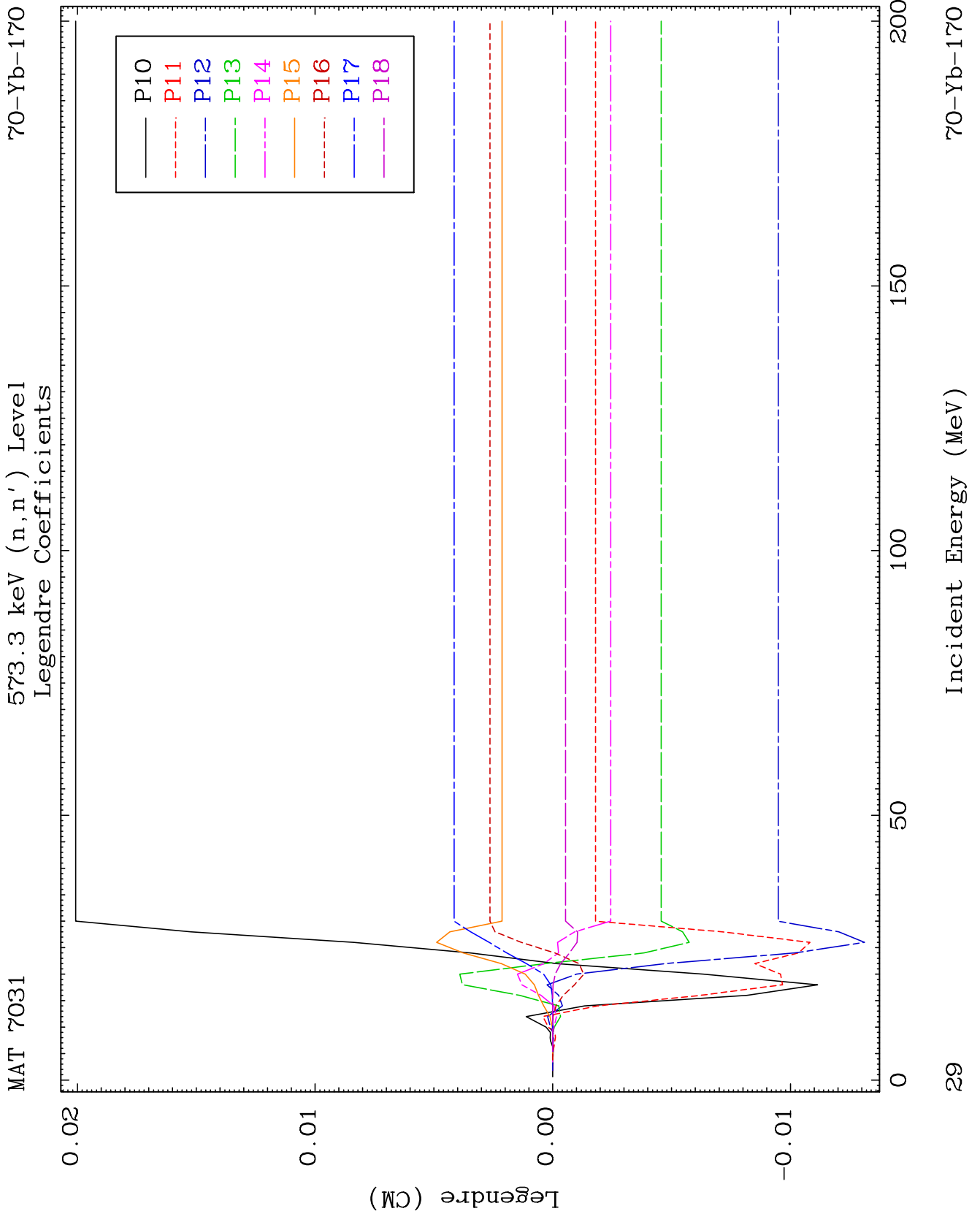
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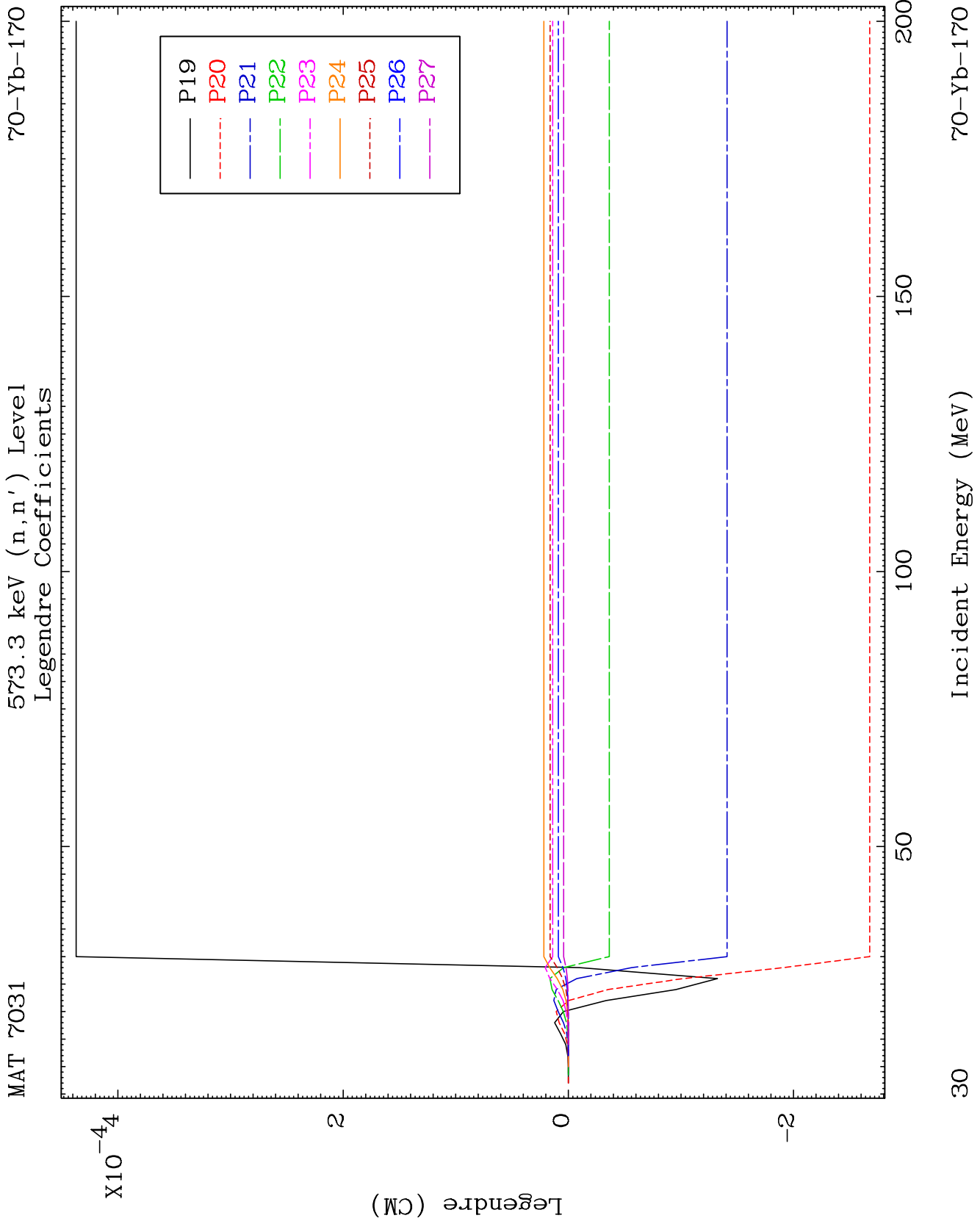


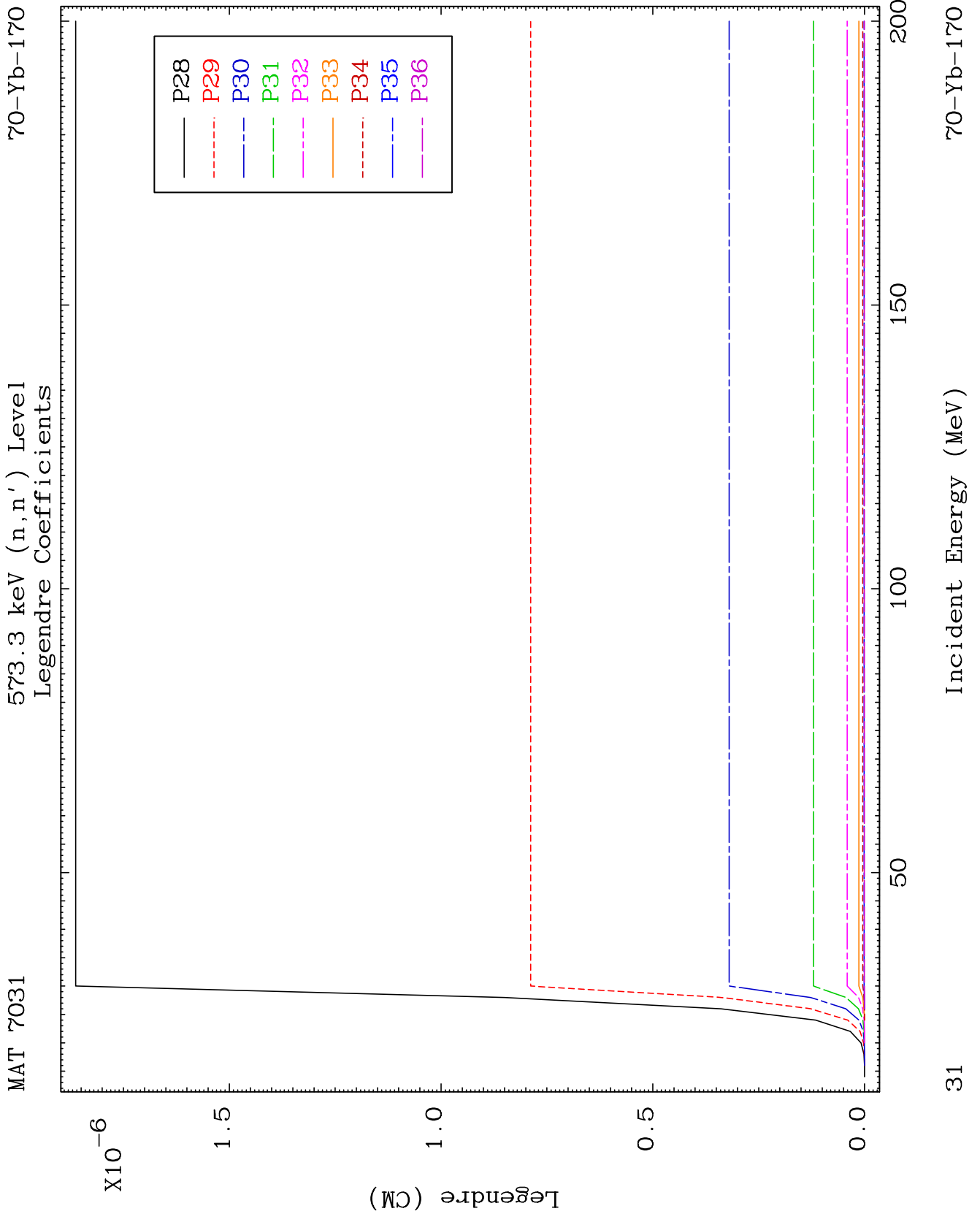


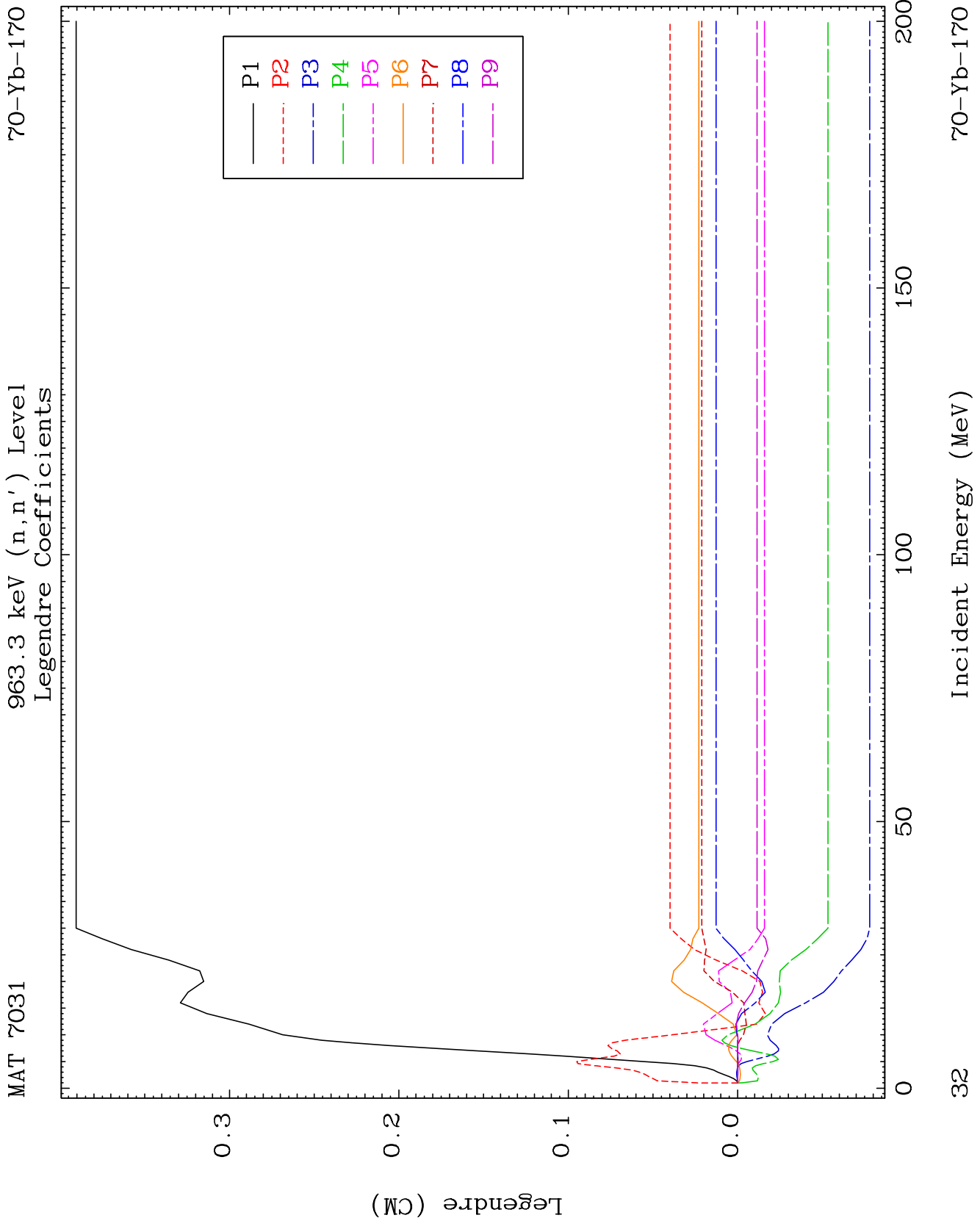








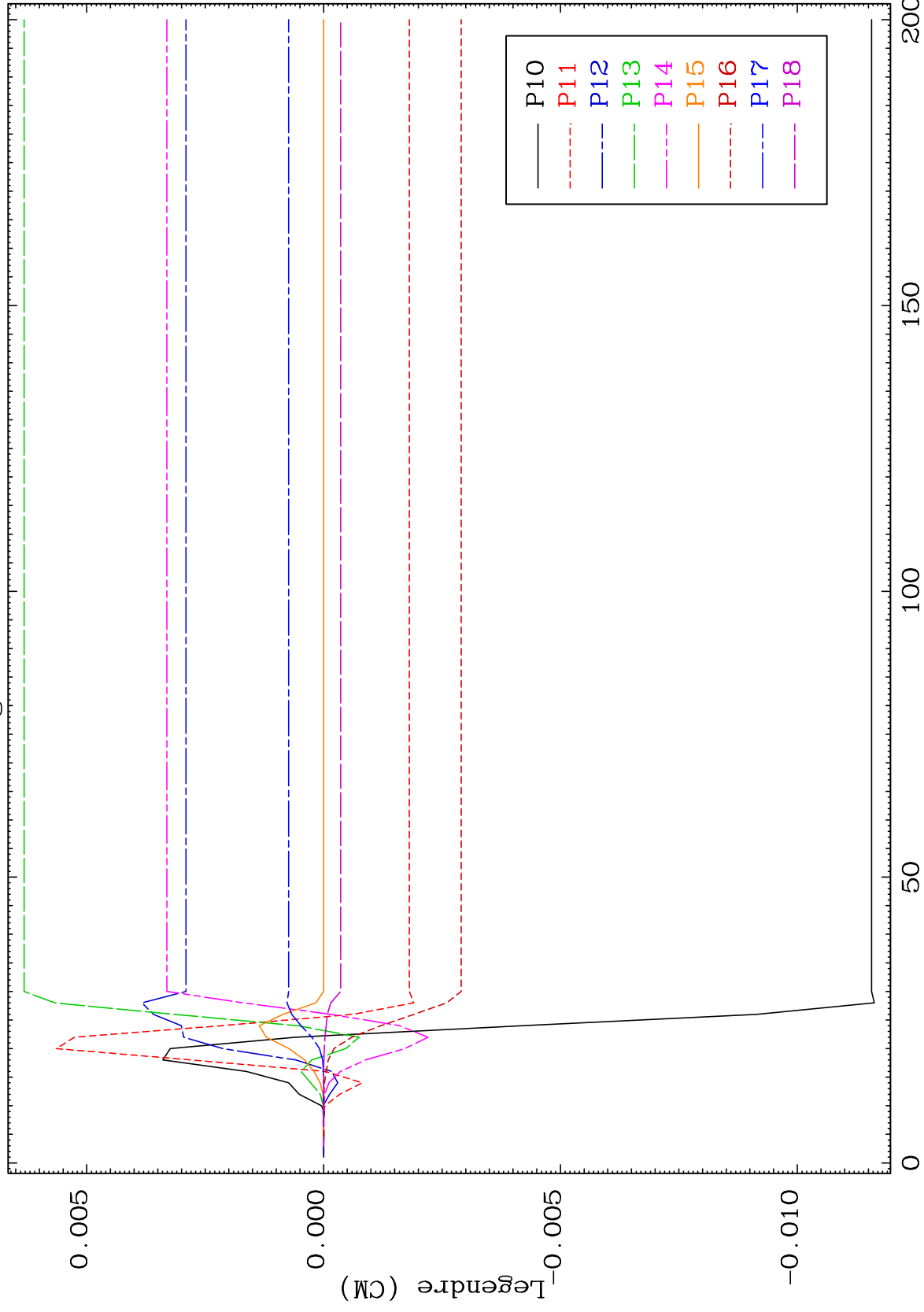




MAT 7031

963.3 keV (n, n') Level
Legendre Coefficients

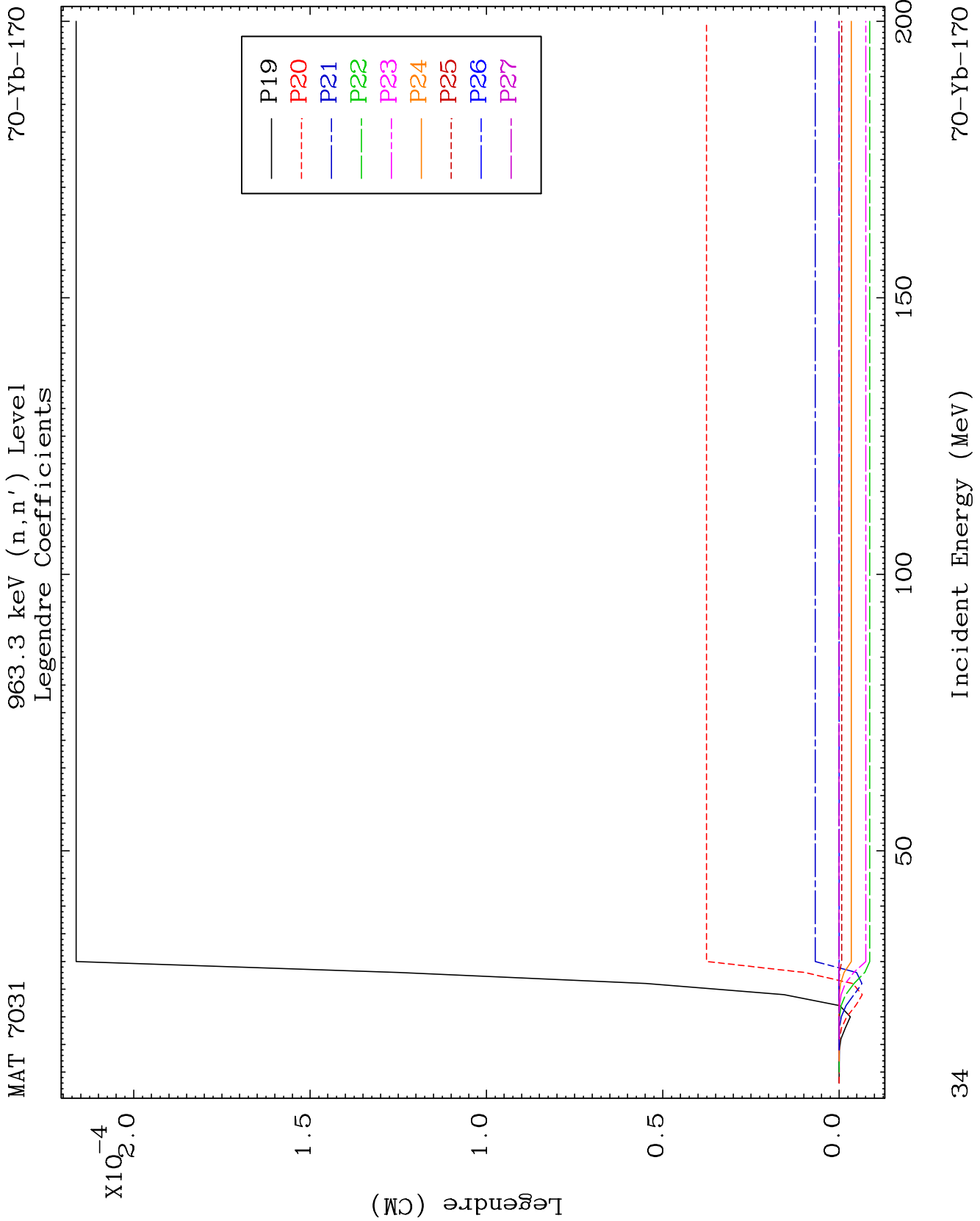
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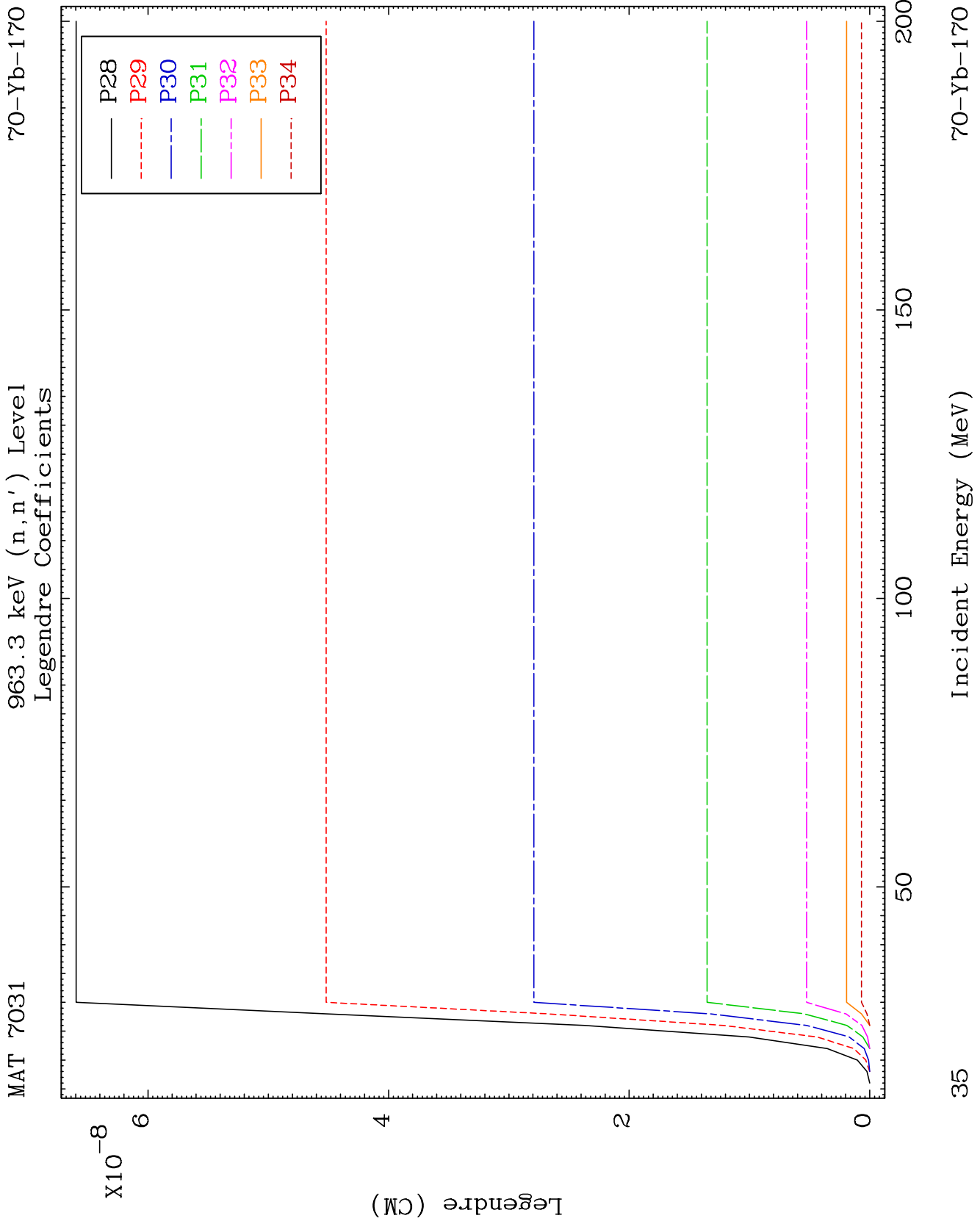


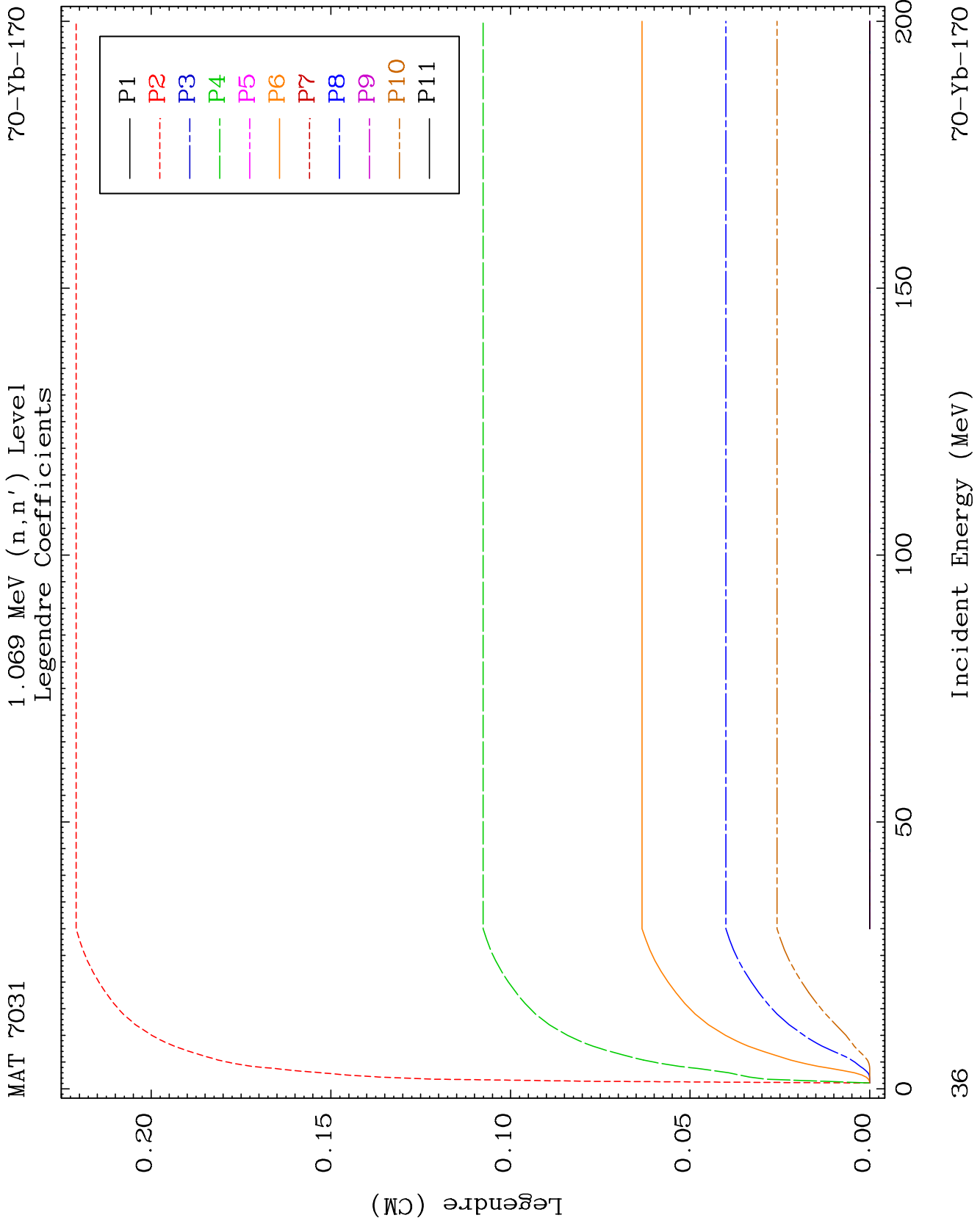
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Incident Energy (MeV)

70-Yb-170



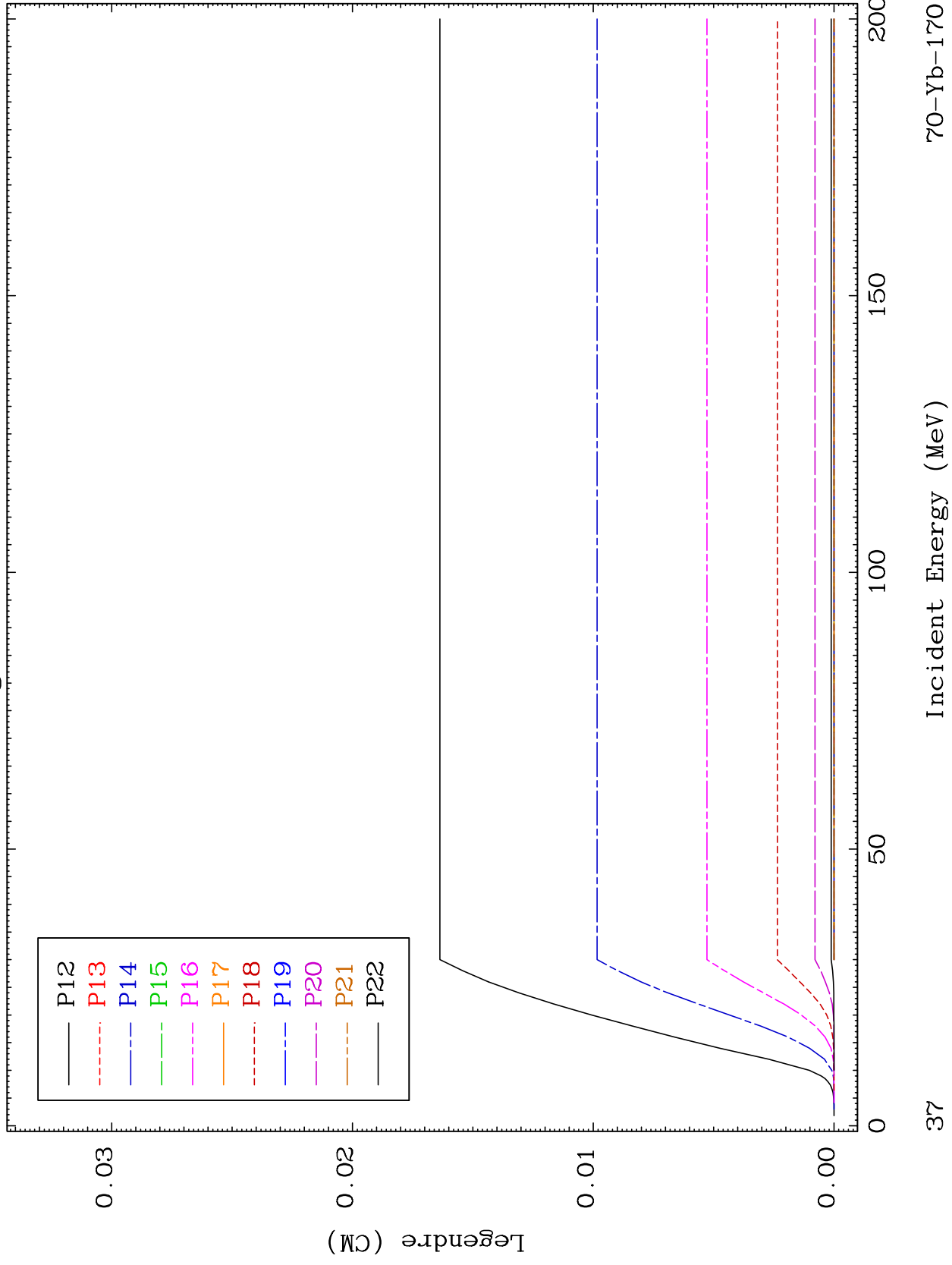




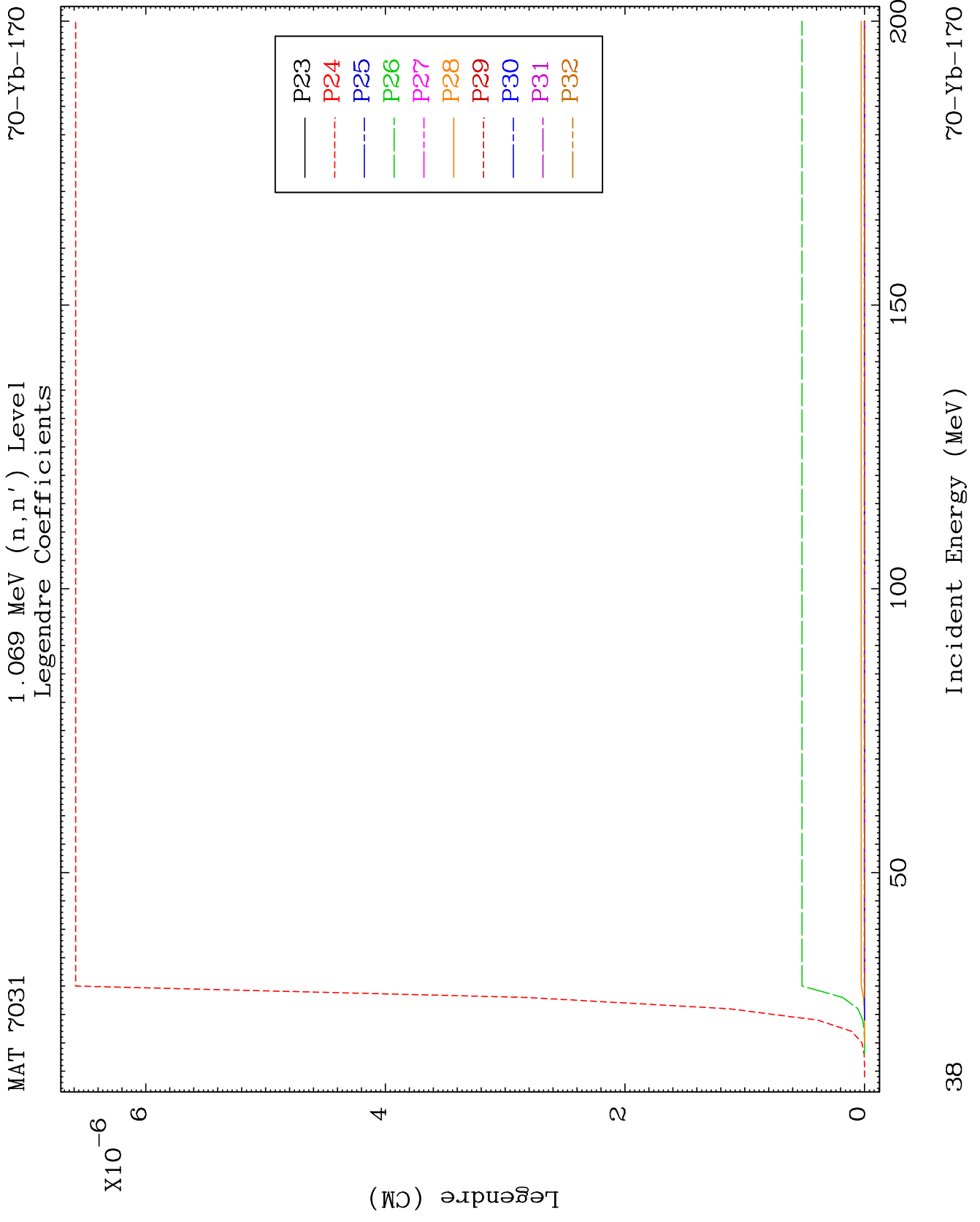
MAT 7031

1.069 MeV (n, n') Level
Legendre Coefficients

70-Yb-170



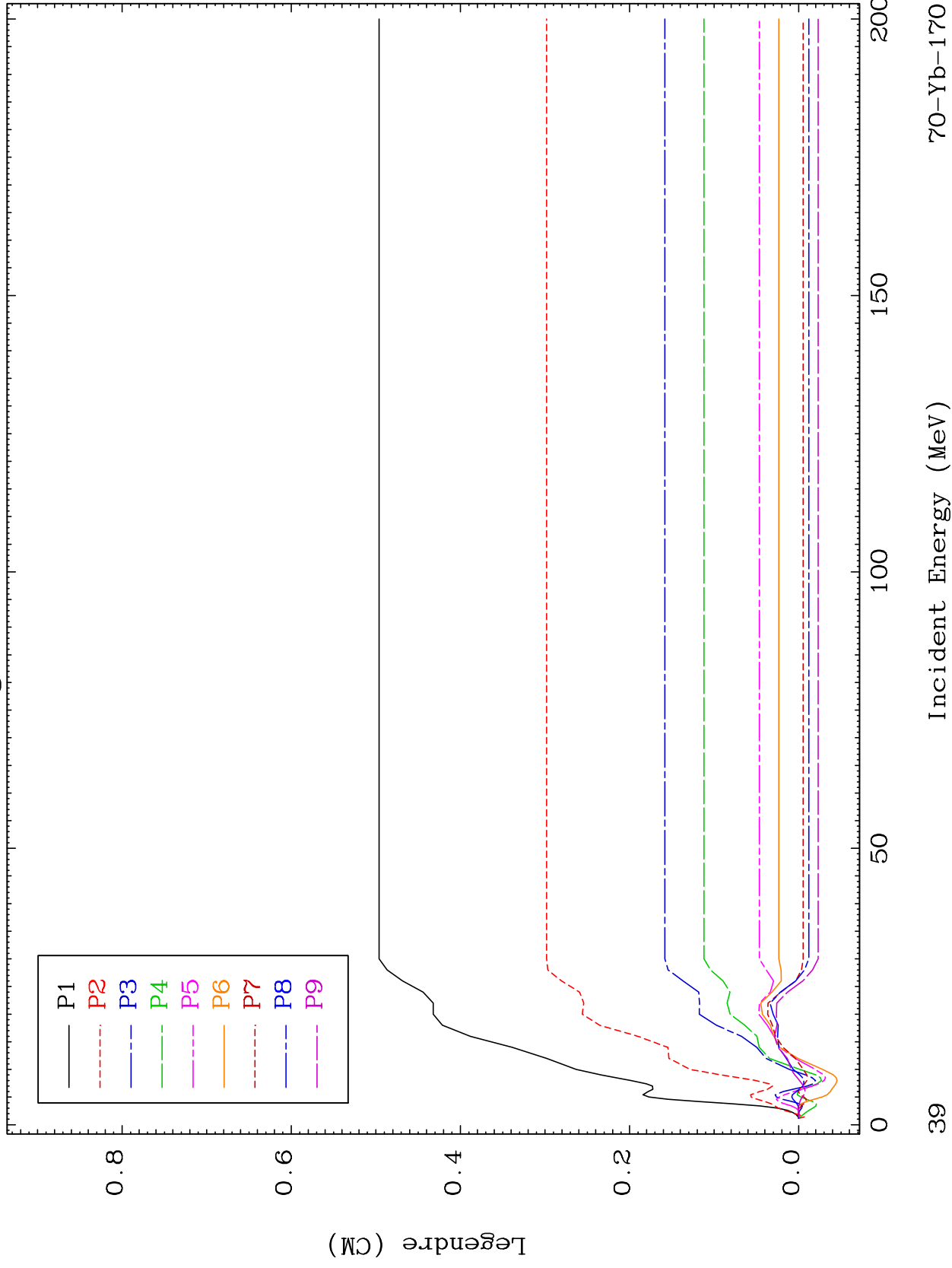
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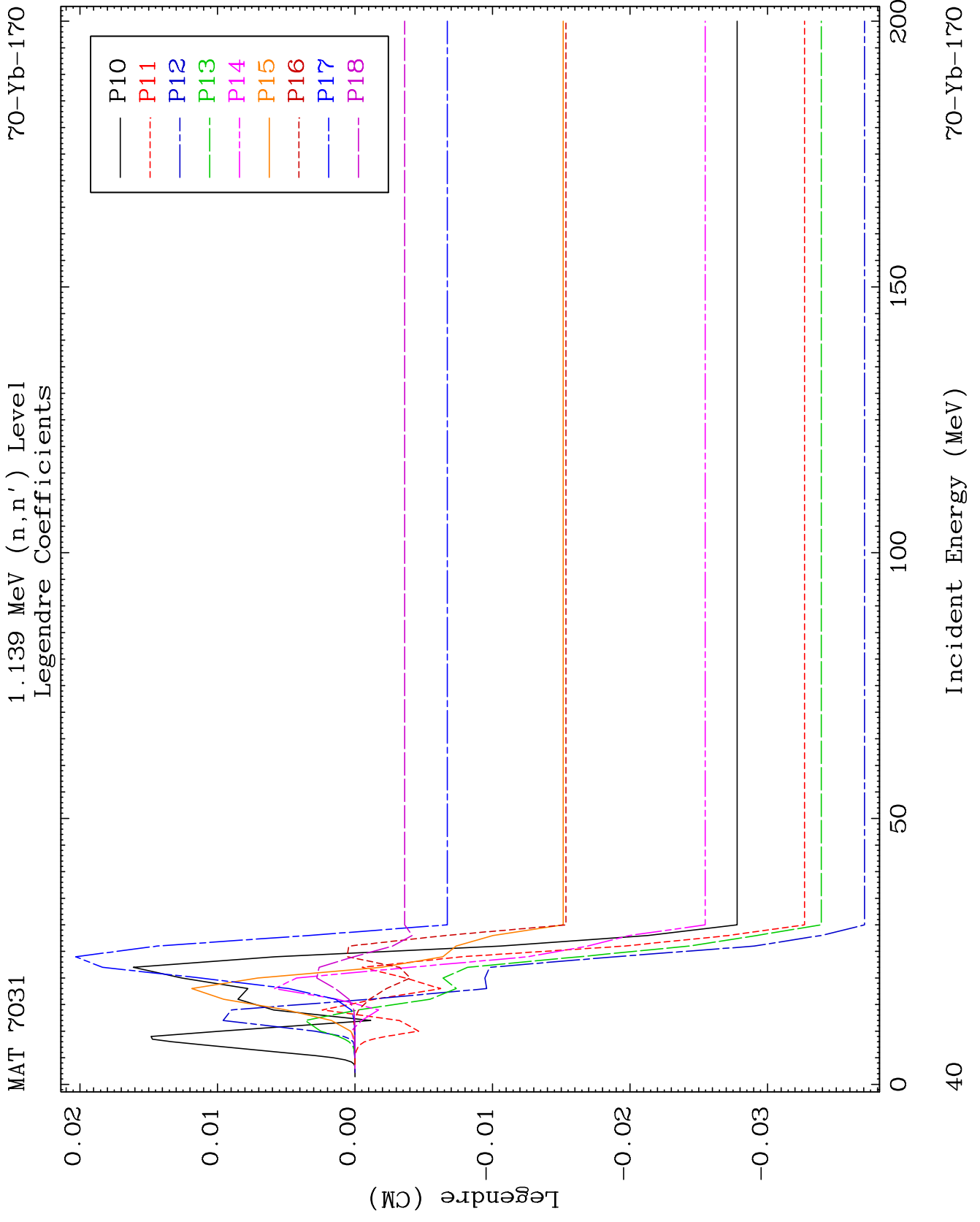


MAT 7031

1.139 MeV (n,n') Level
Legendre Coefficients

70-Yb-170

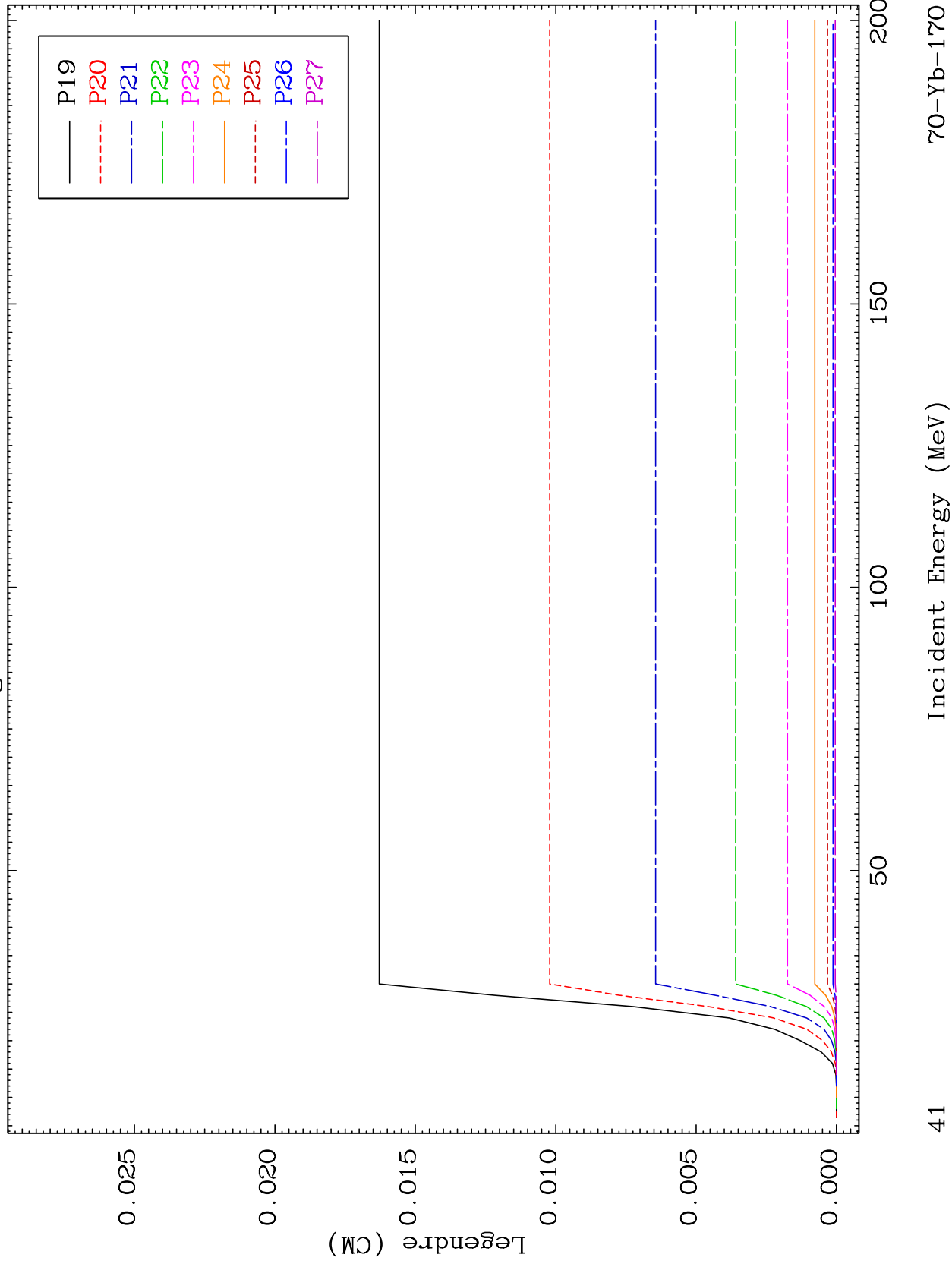




MAT 7031

1.139 MeV (n,n') Level
Legendre Coefficients

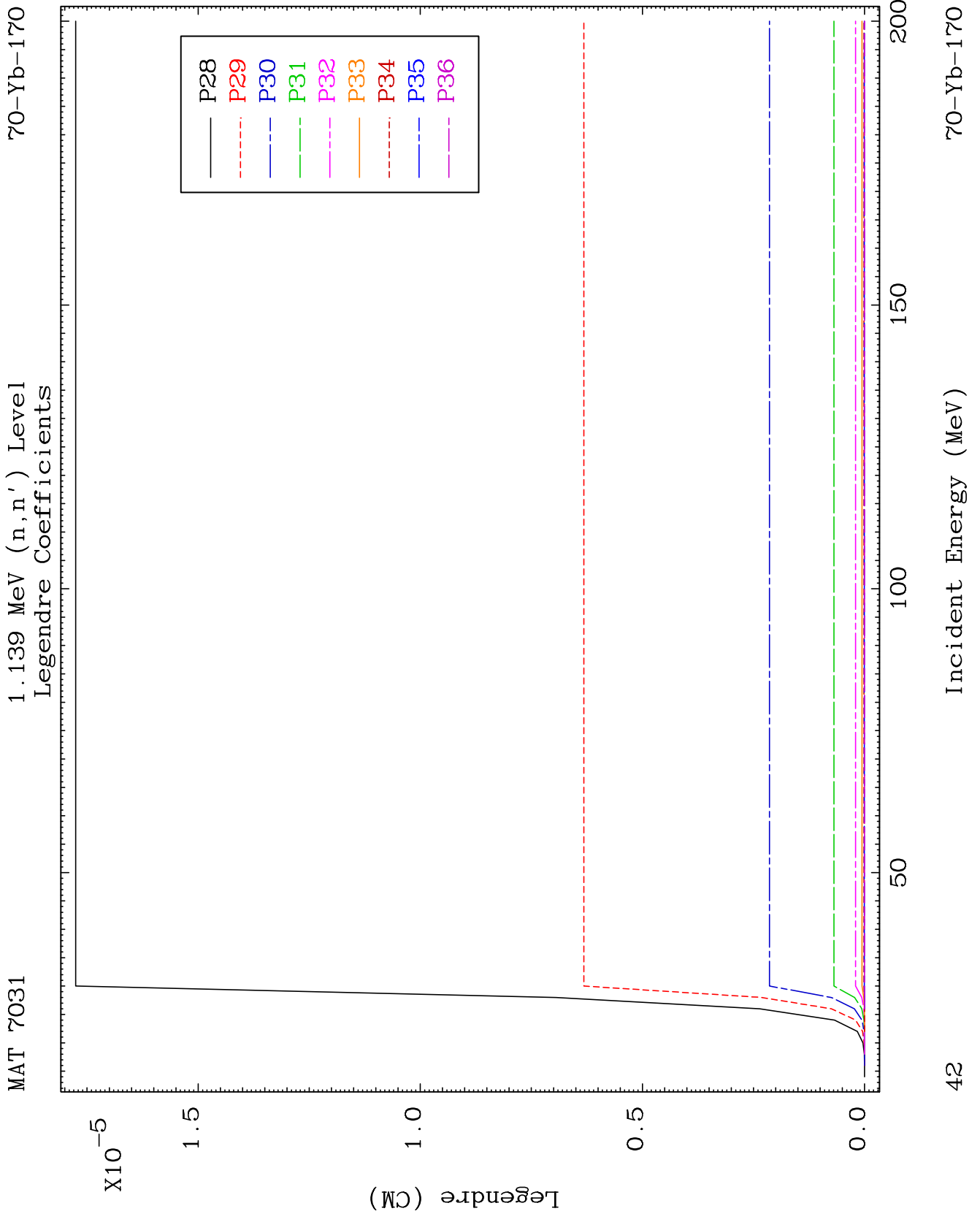
70-Yb-170



41

Incident Energy (MeV)

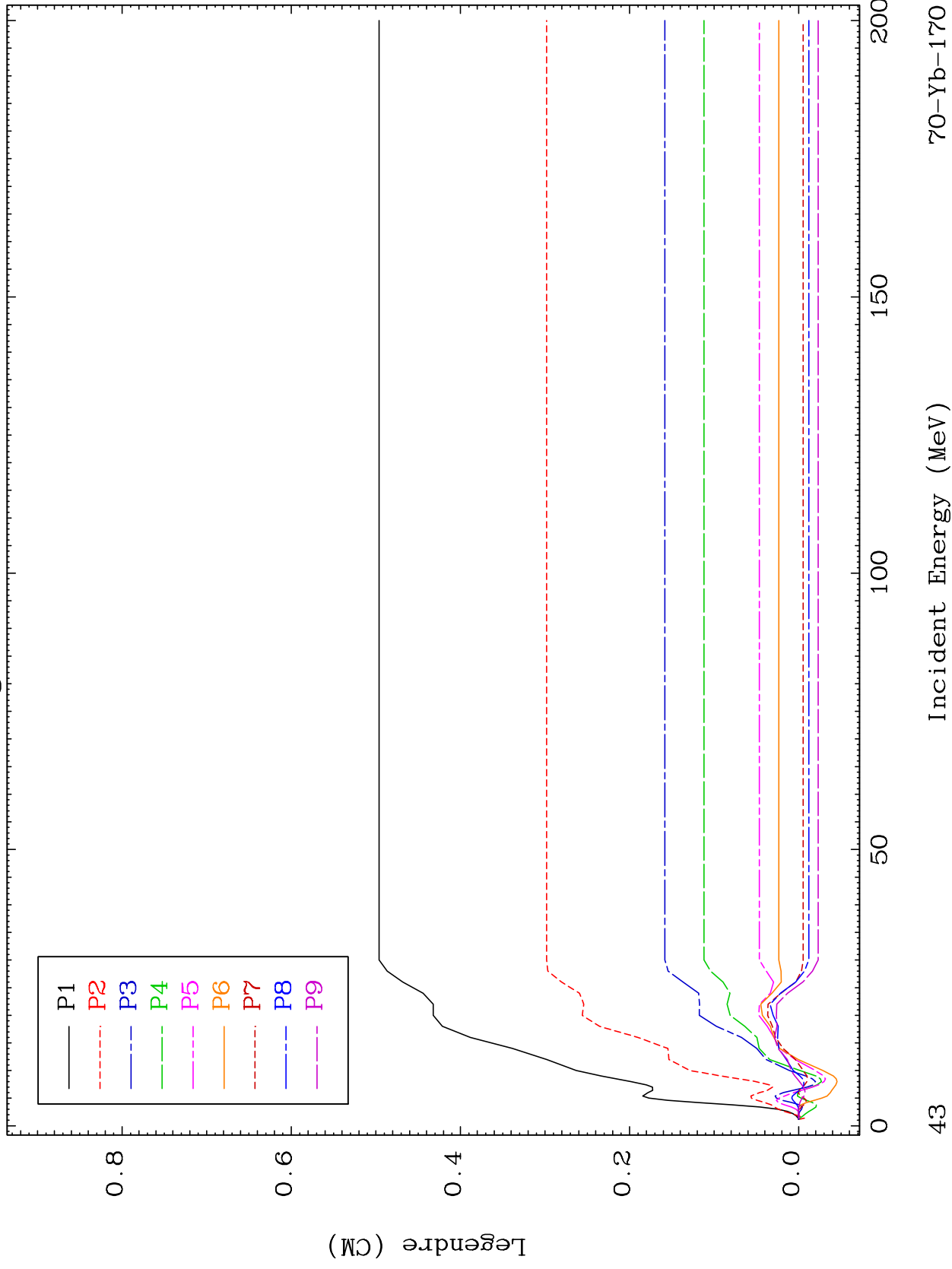
70-Yb-170



MAT 7031

1.146 MeV (n, n') Level
Legendre Coefficients

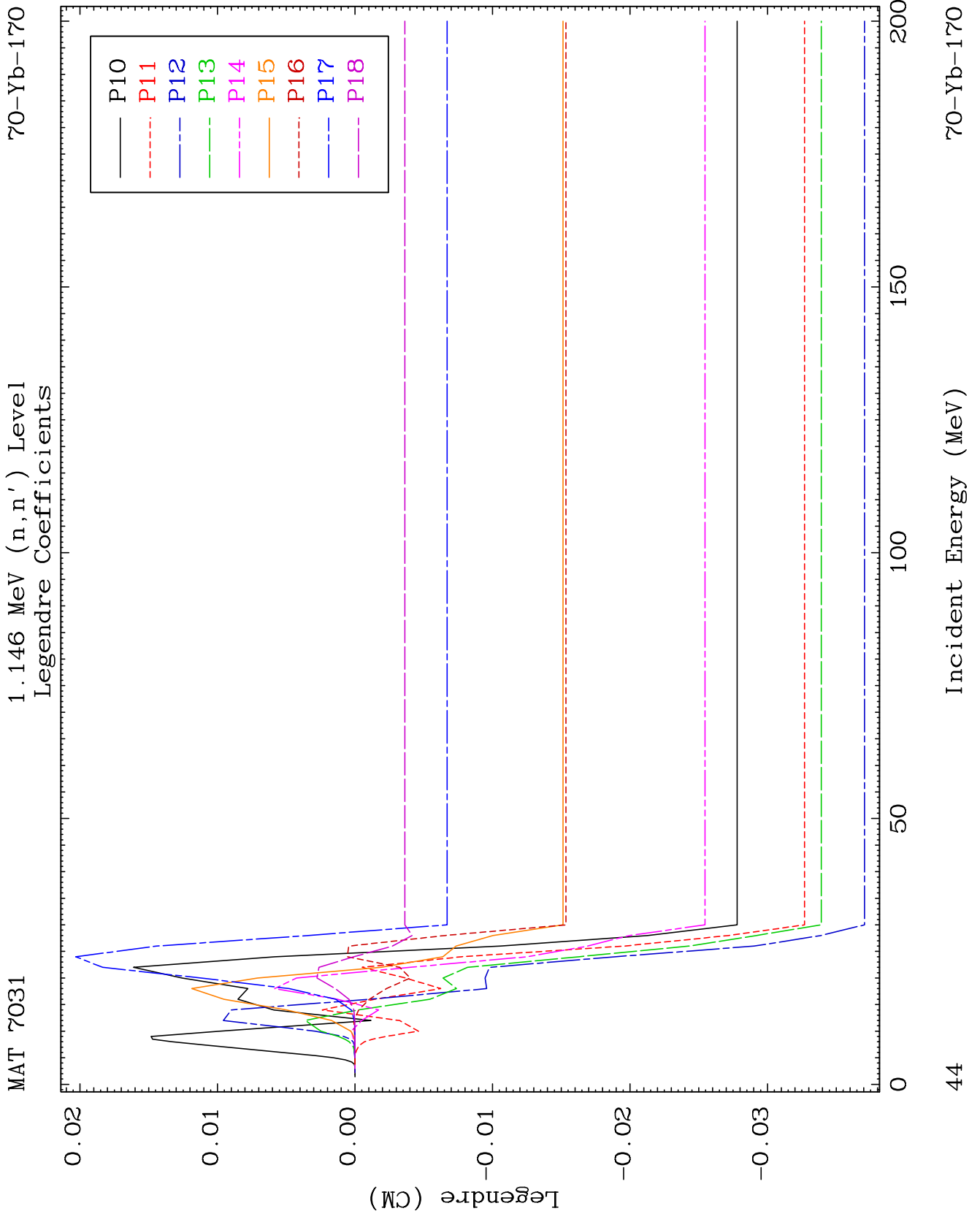
70-Yb-170



43

Incident Energy (MeV)

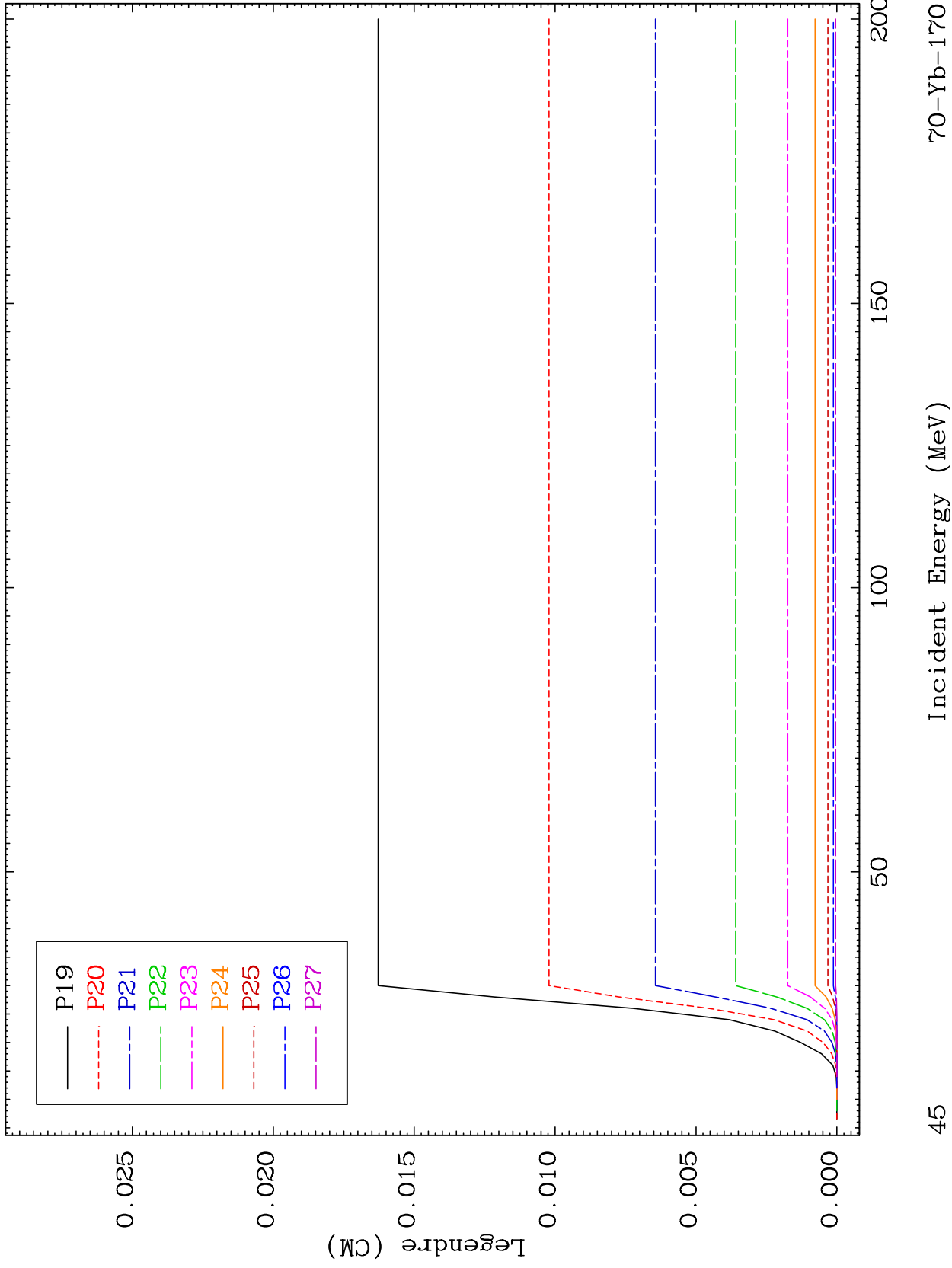
70-Yb-170



MAT 7031

1.146 MeV (n,n') Level Legendre Coefficients

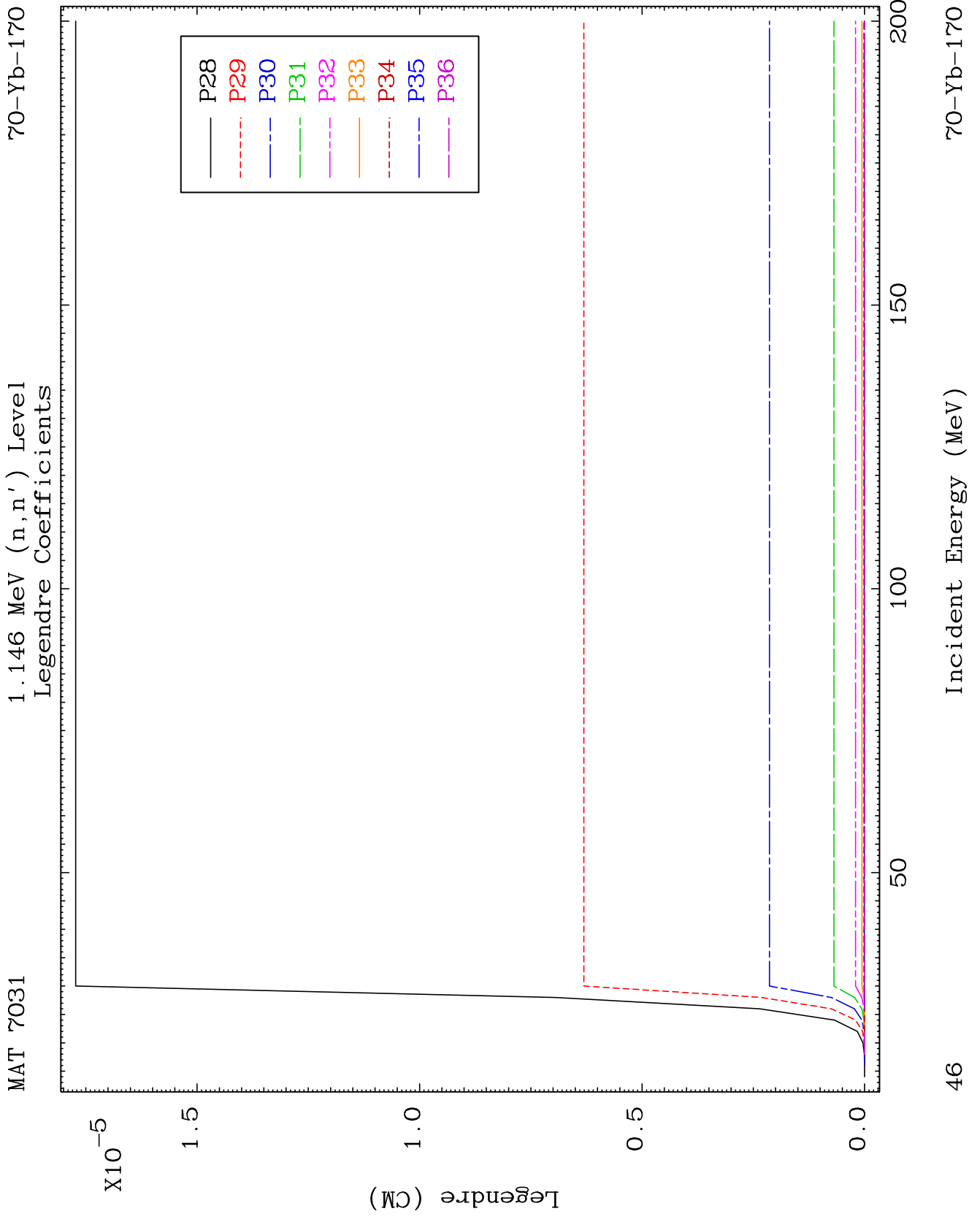
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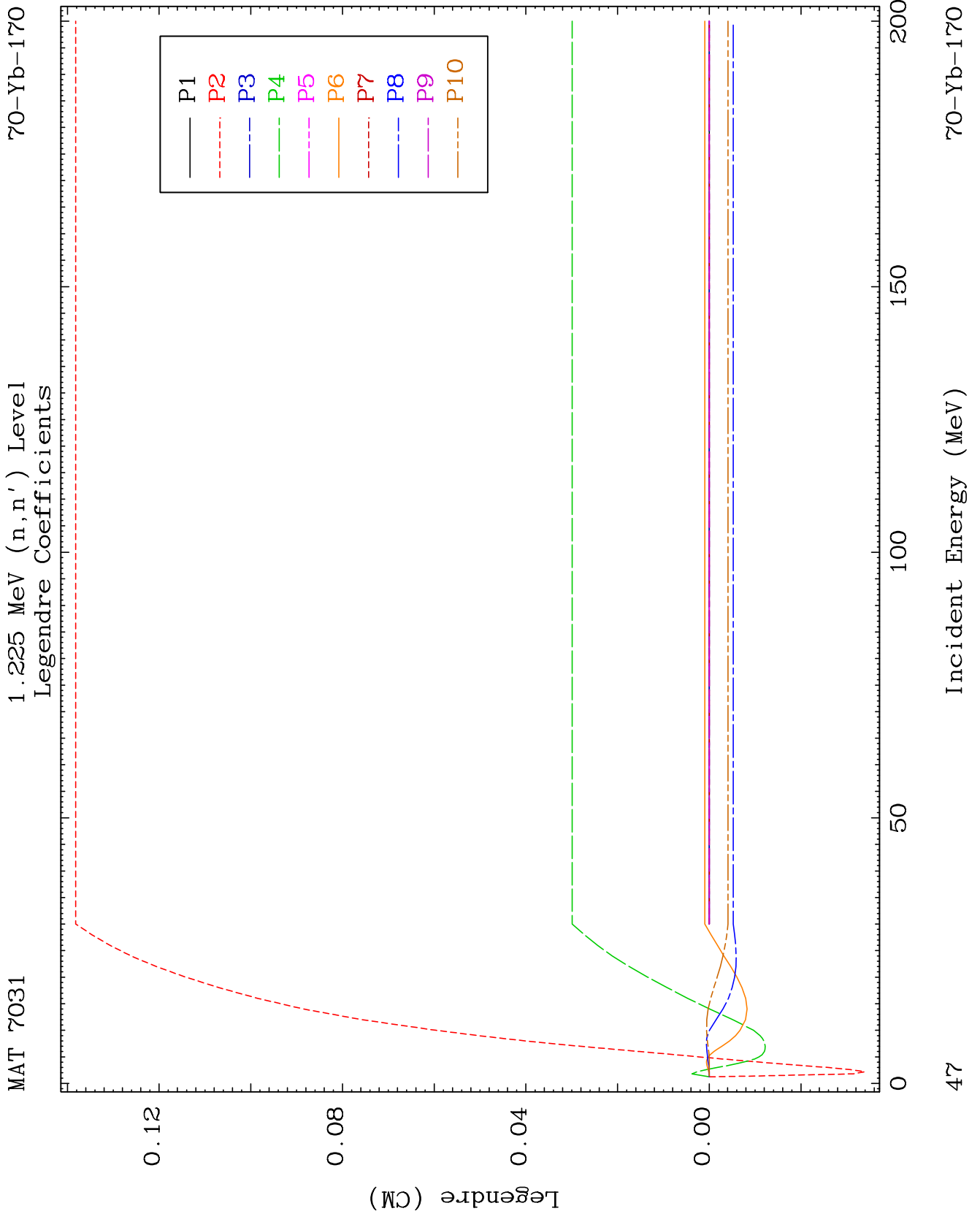


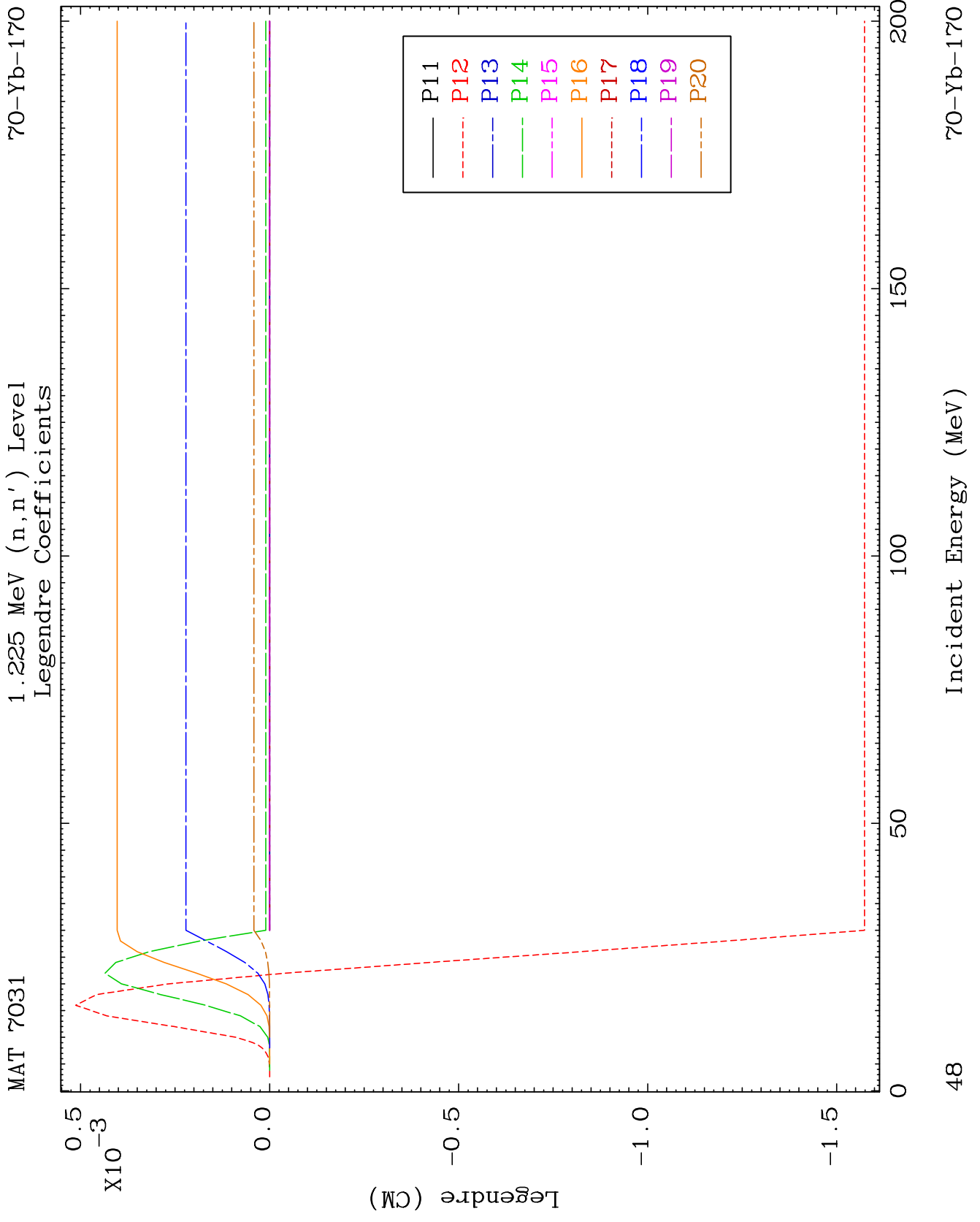
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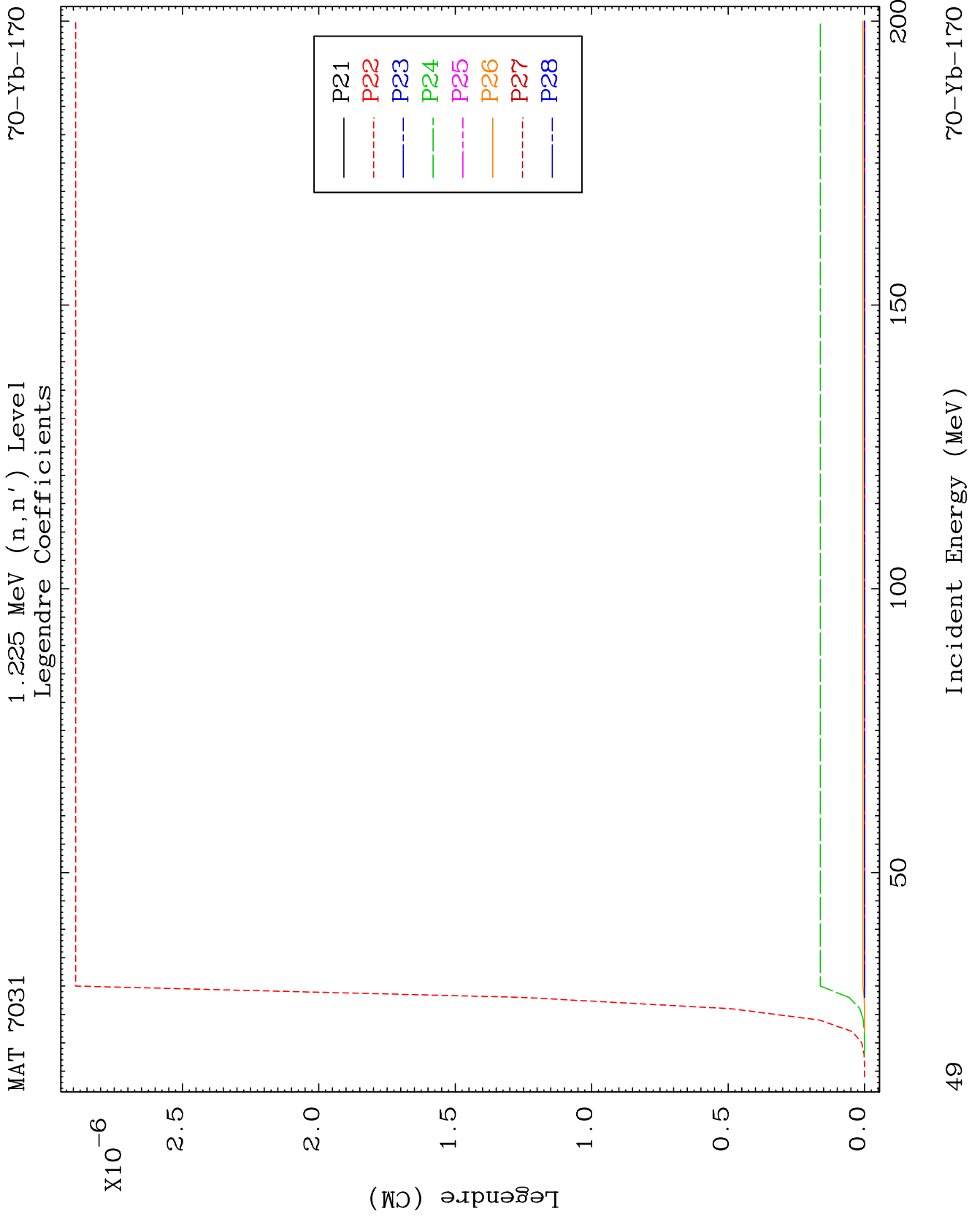
Incident Energy (MeV)

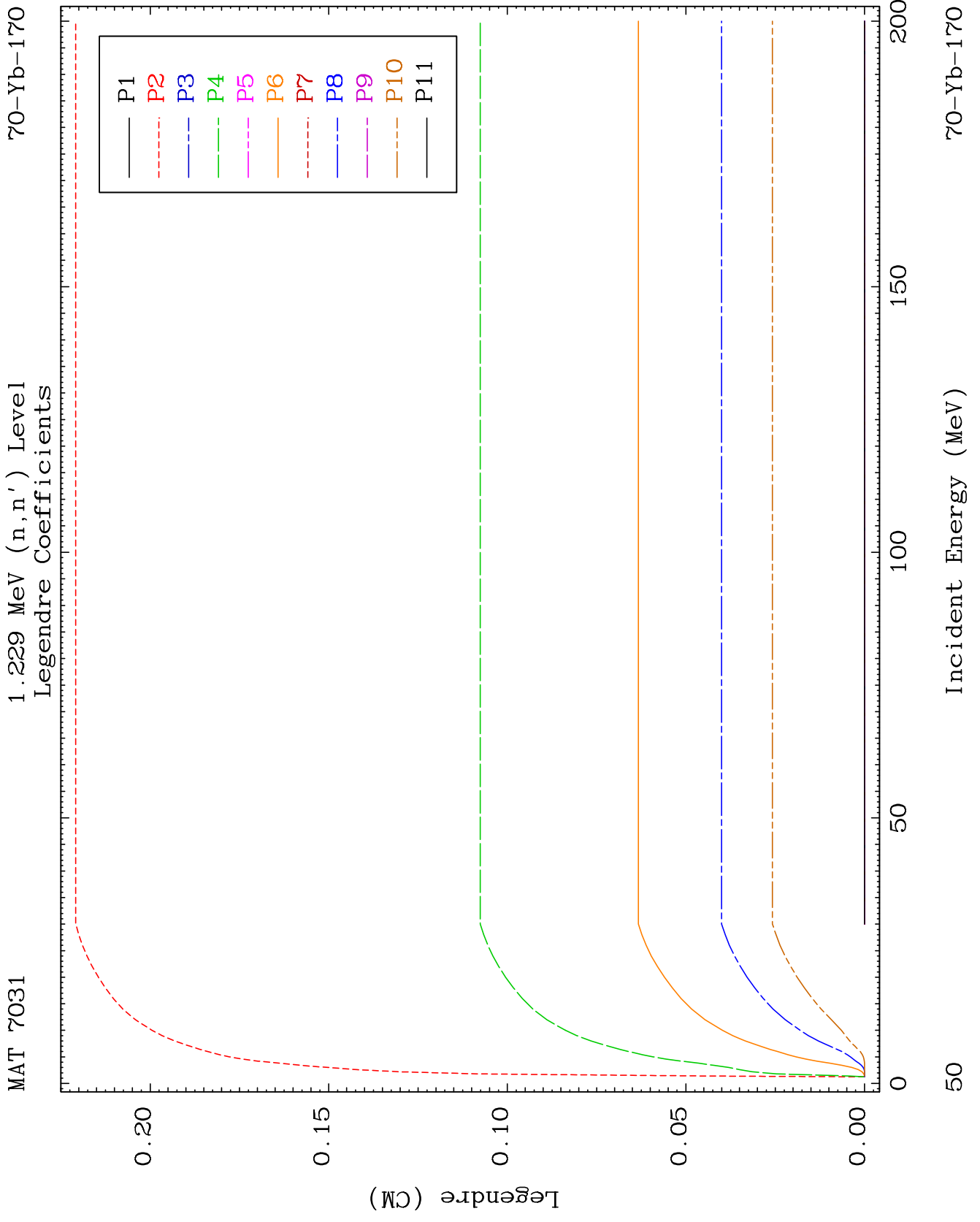
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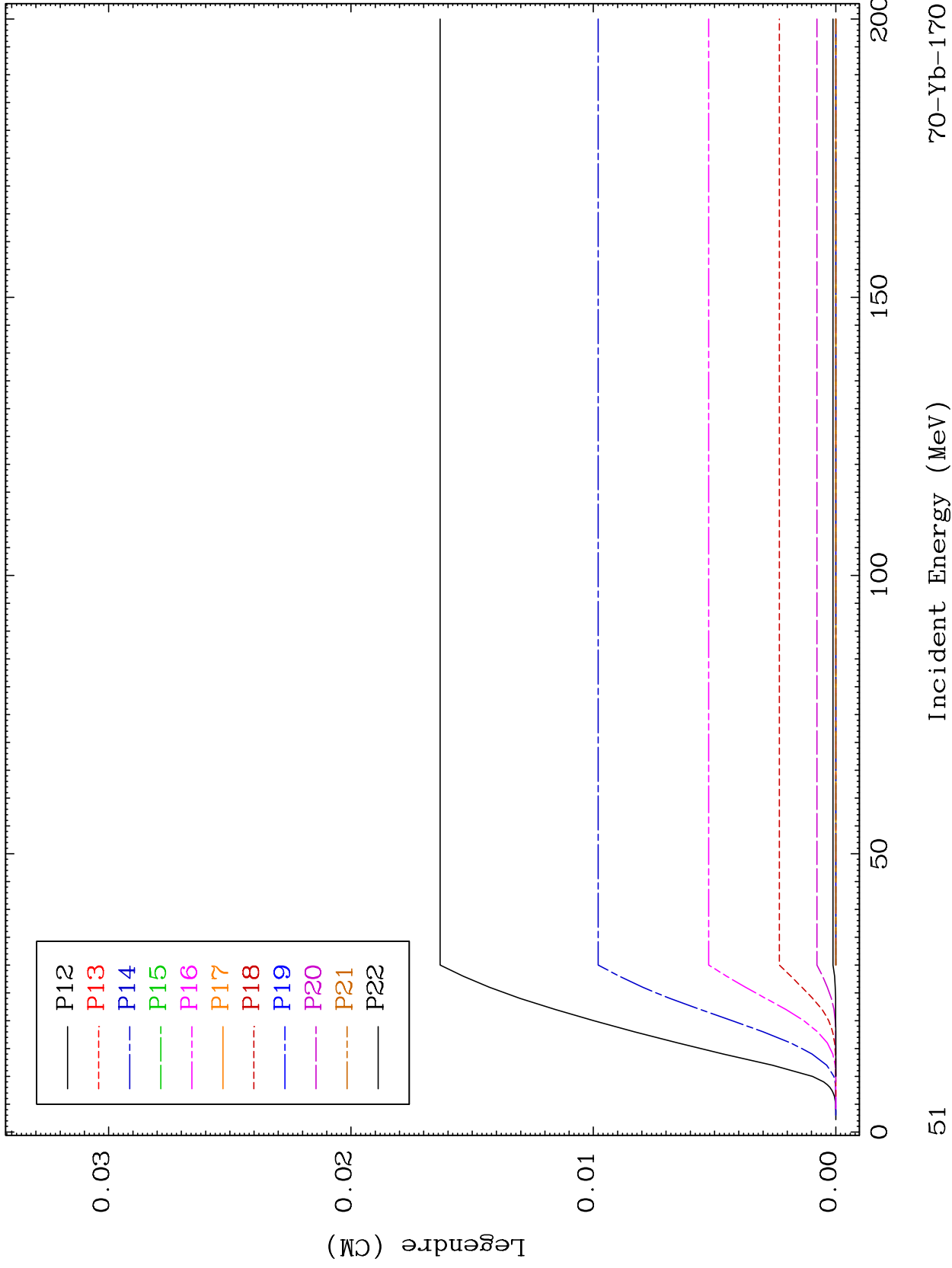




MAT 7031

1.229 MeV (n, n') Level
Legendre Coefficients

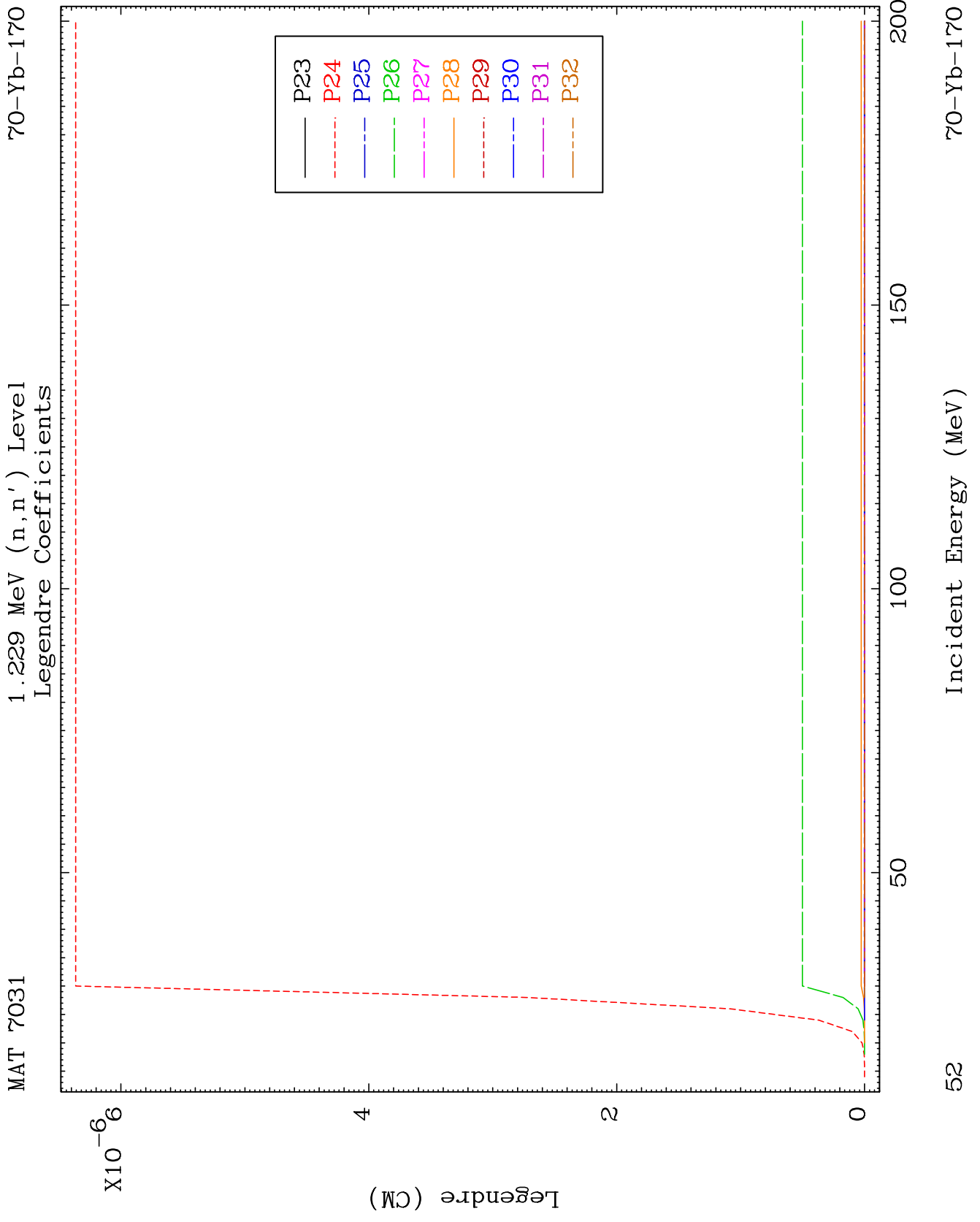
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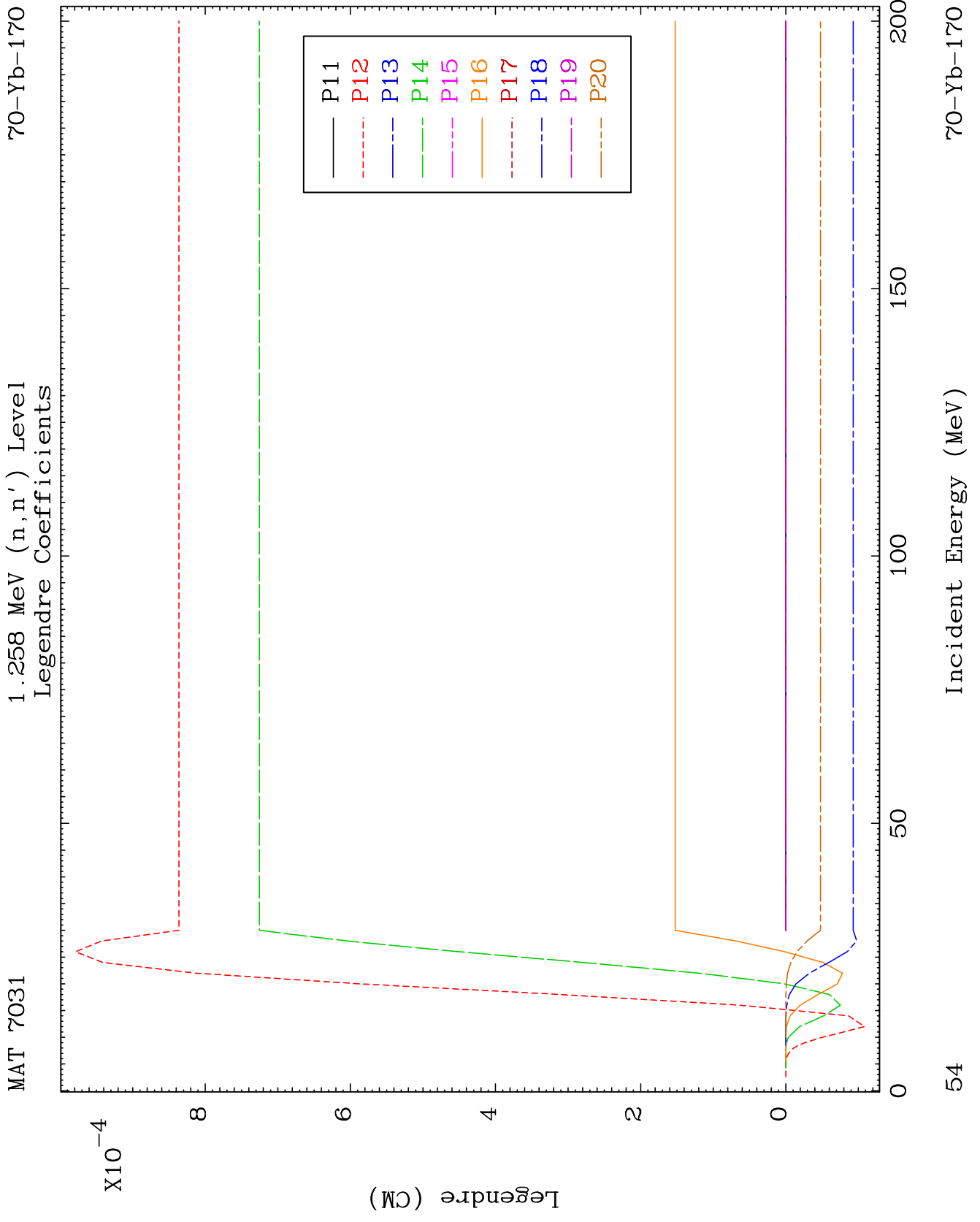


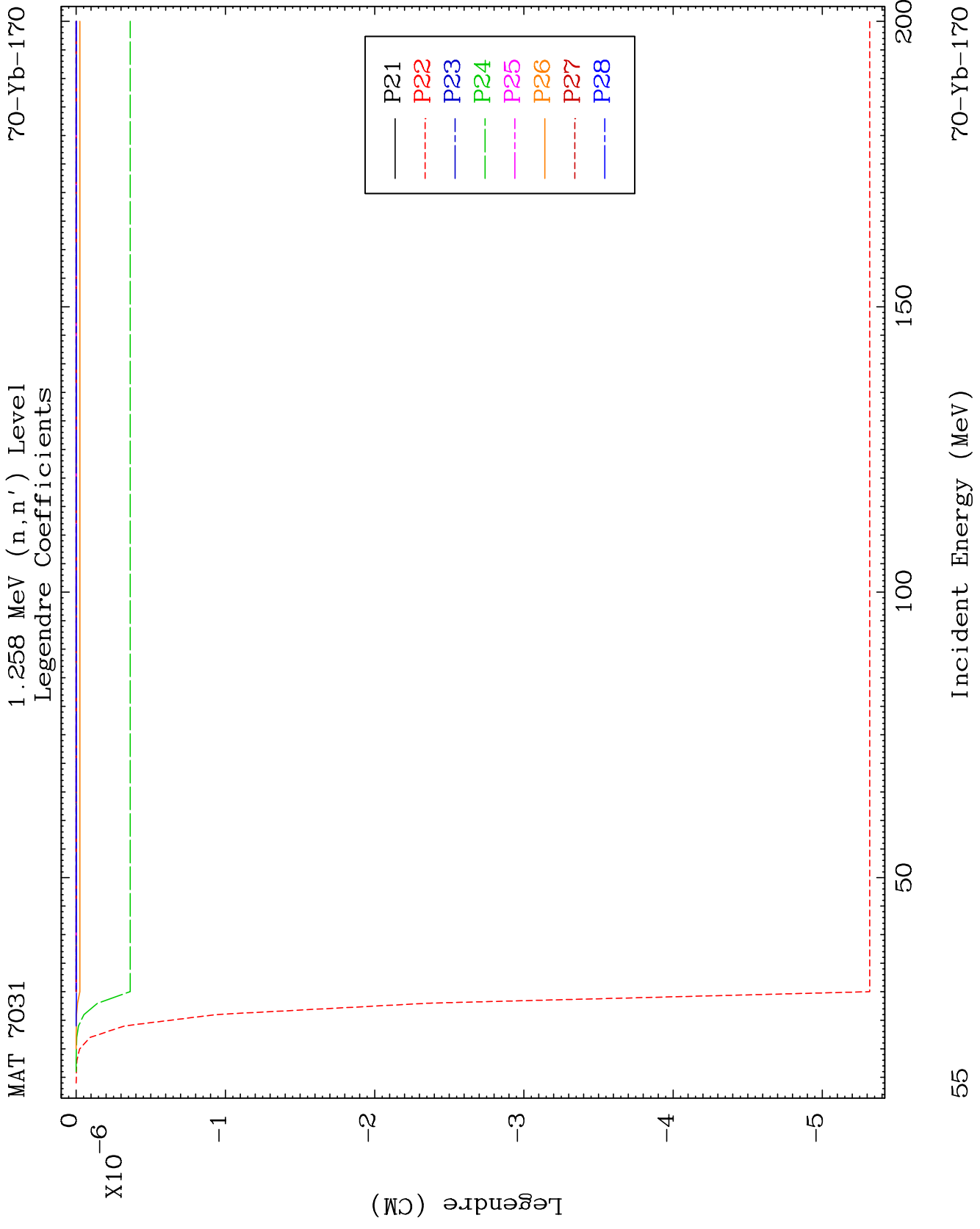
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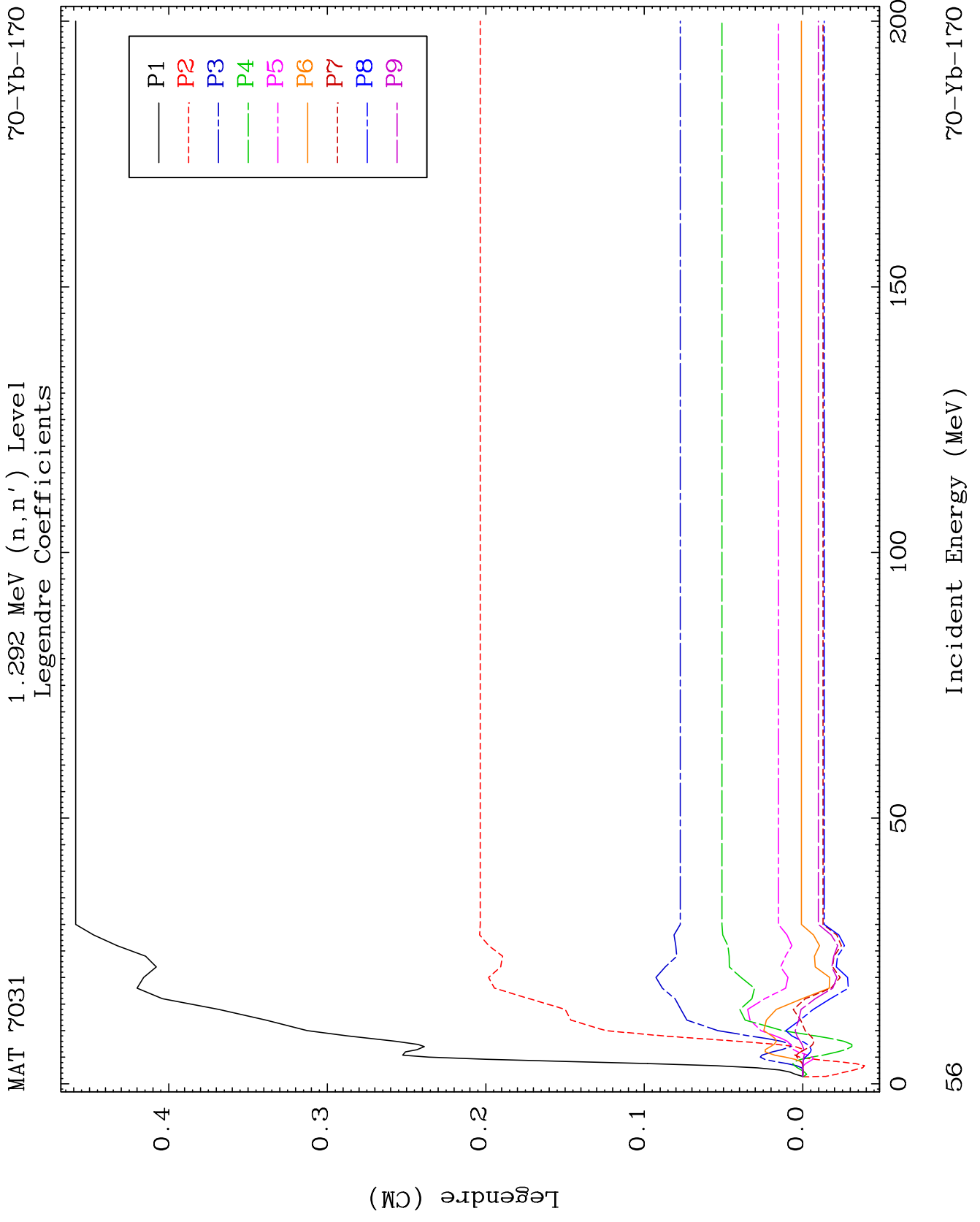
Incident Energy (MeV)

70-Yb-170





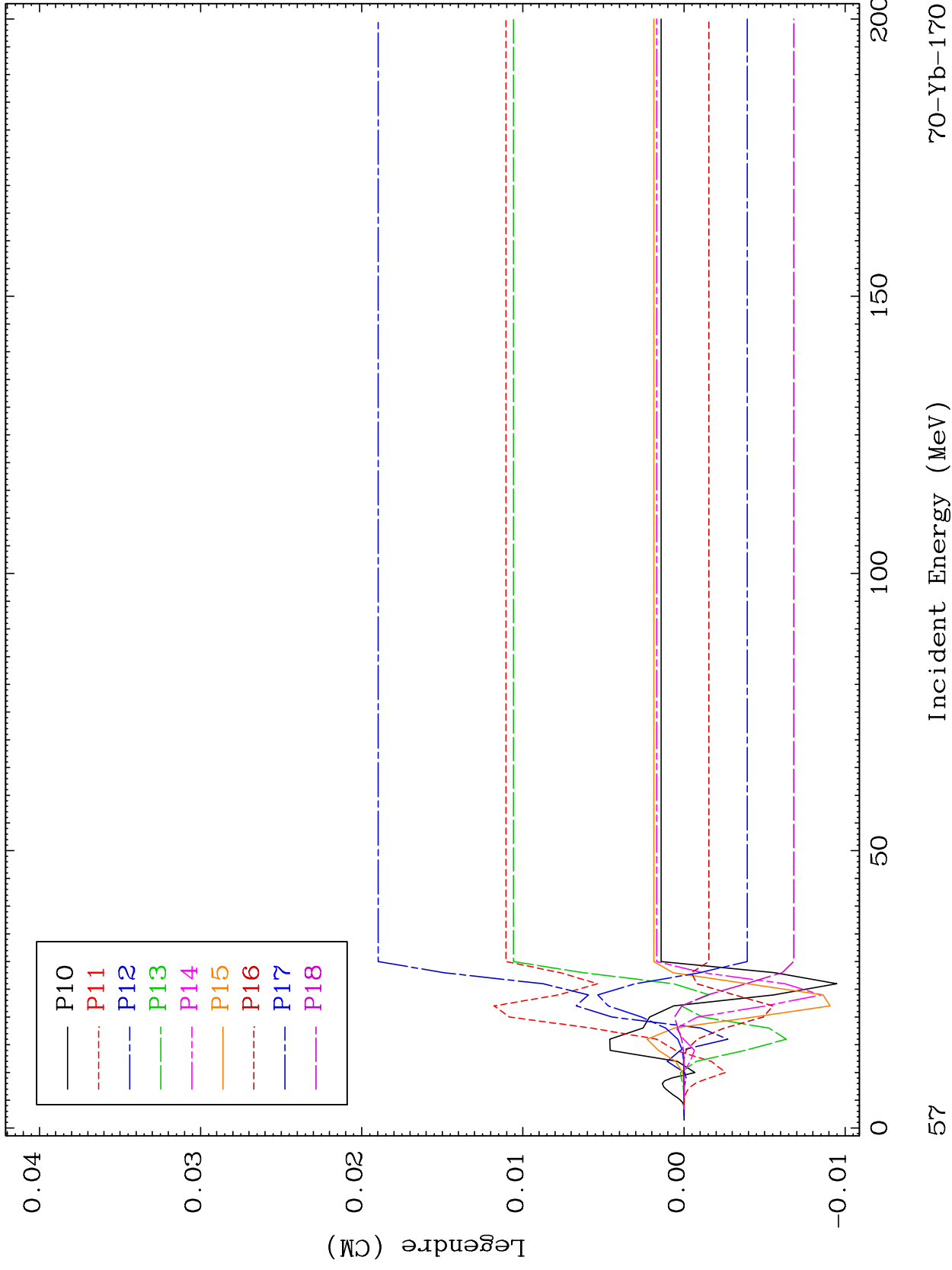




MAT 7031

1.292 MeV (n,n') Level
Legendre Coefficients

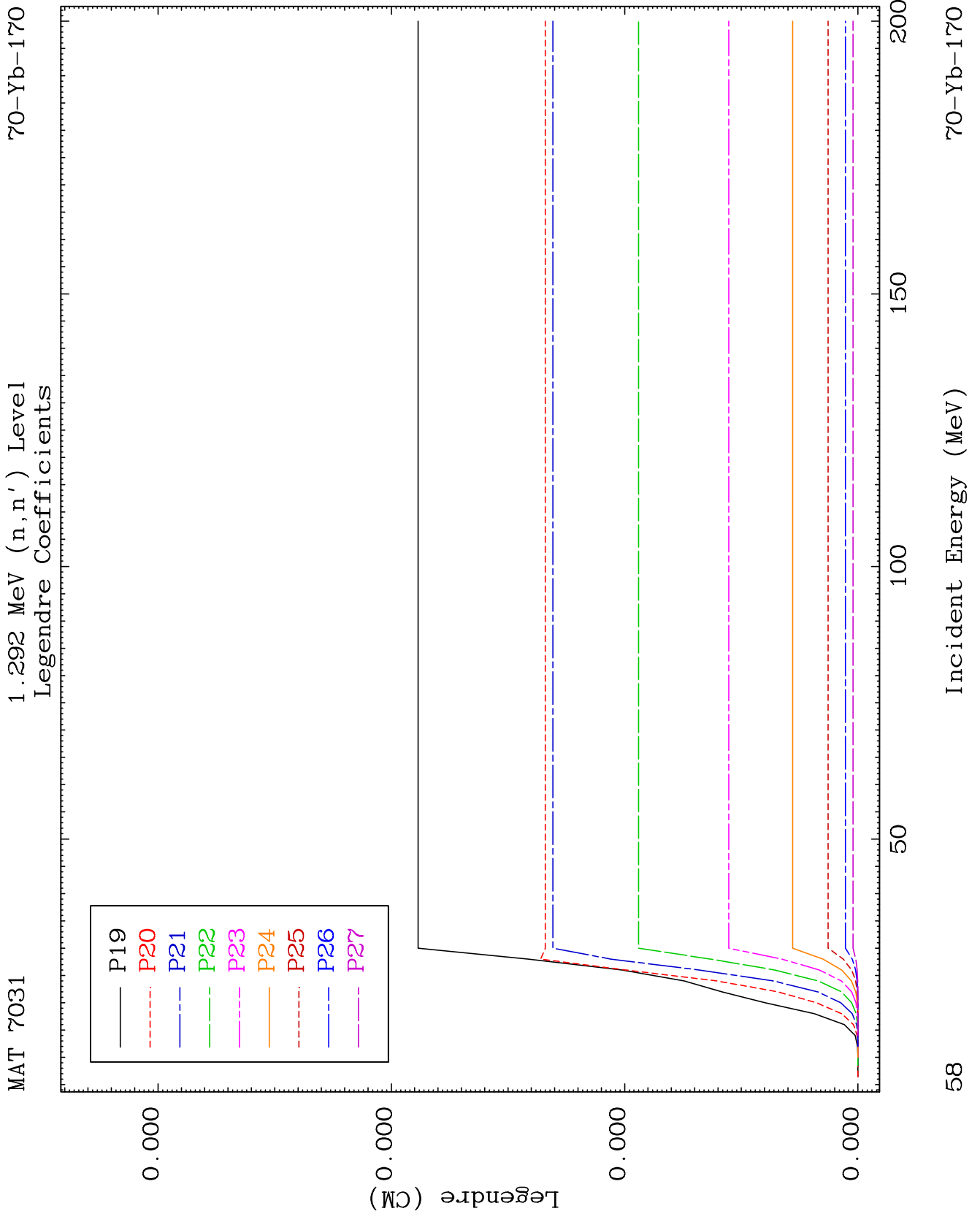
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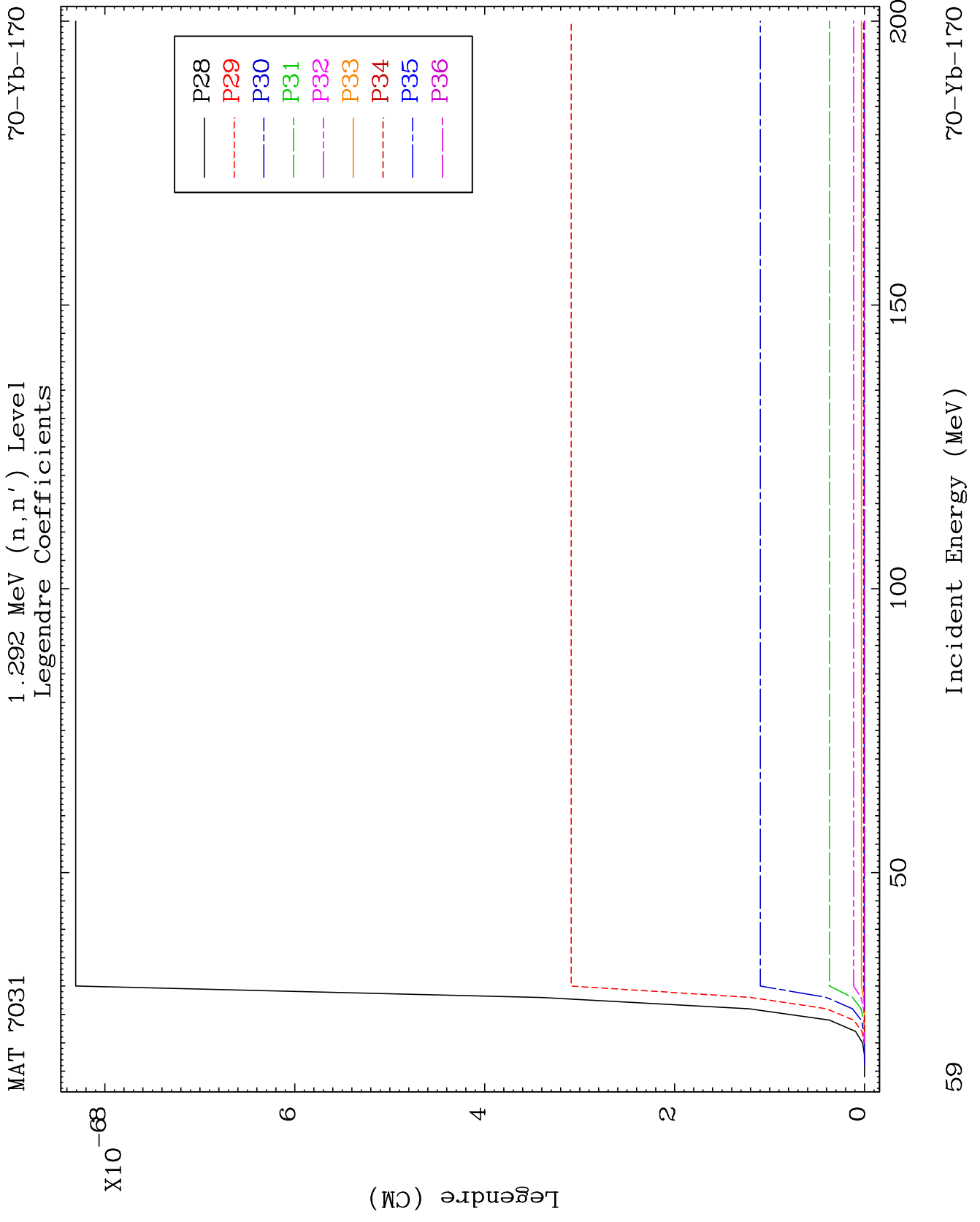


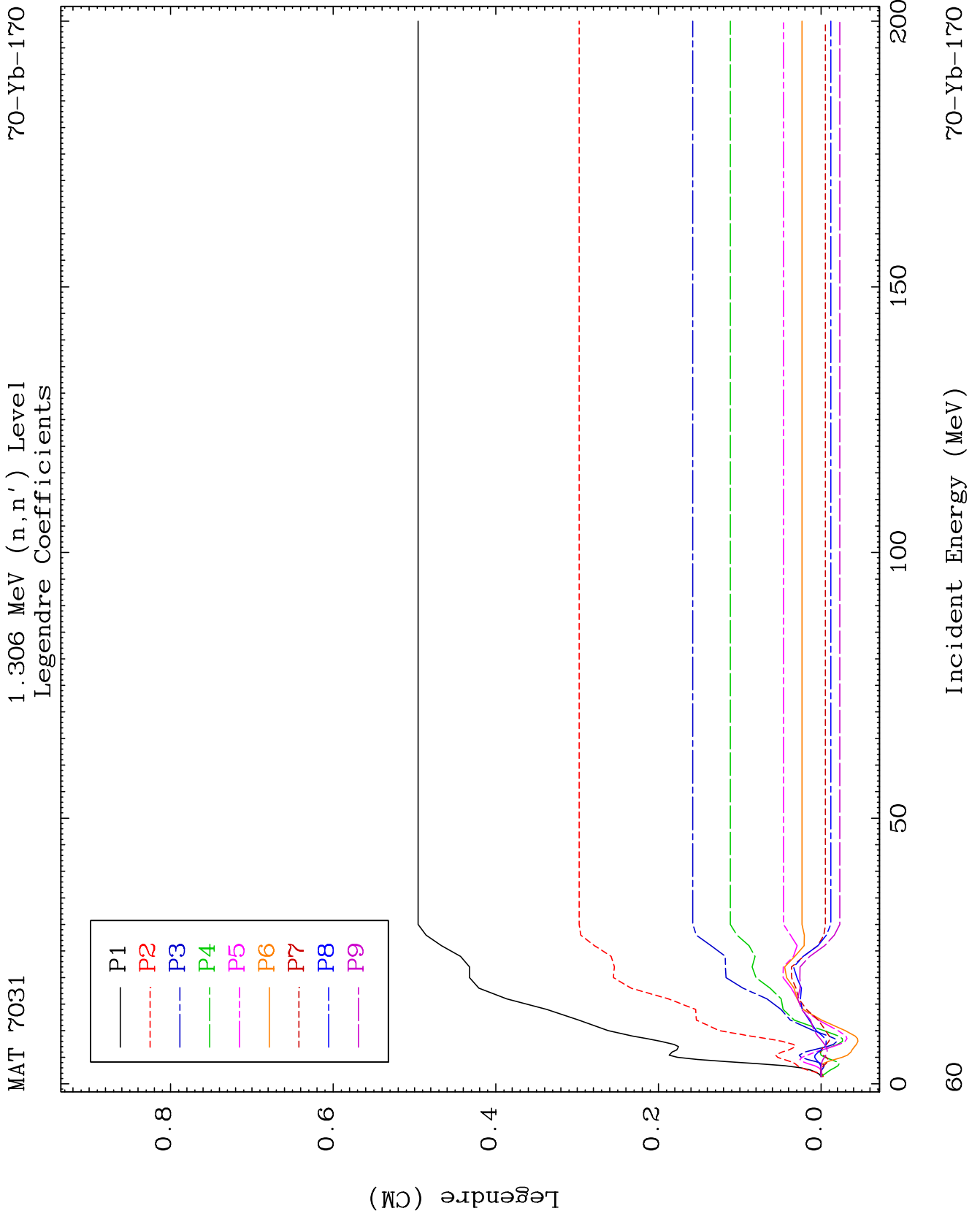
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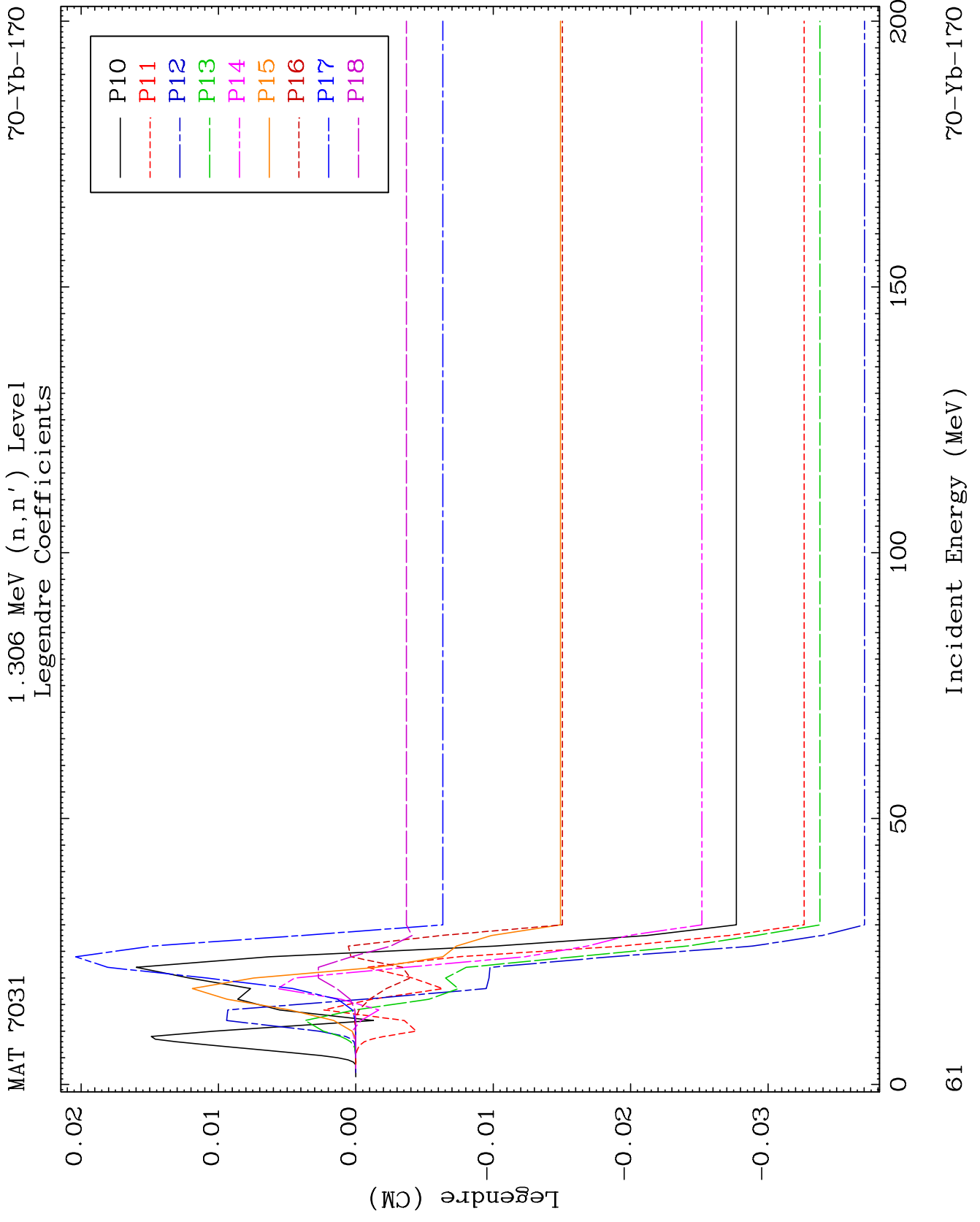
Incident Energy (MeV)

70-Yb-170





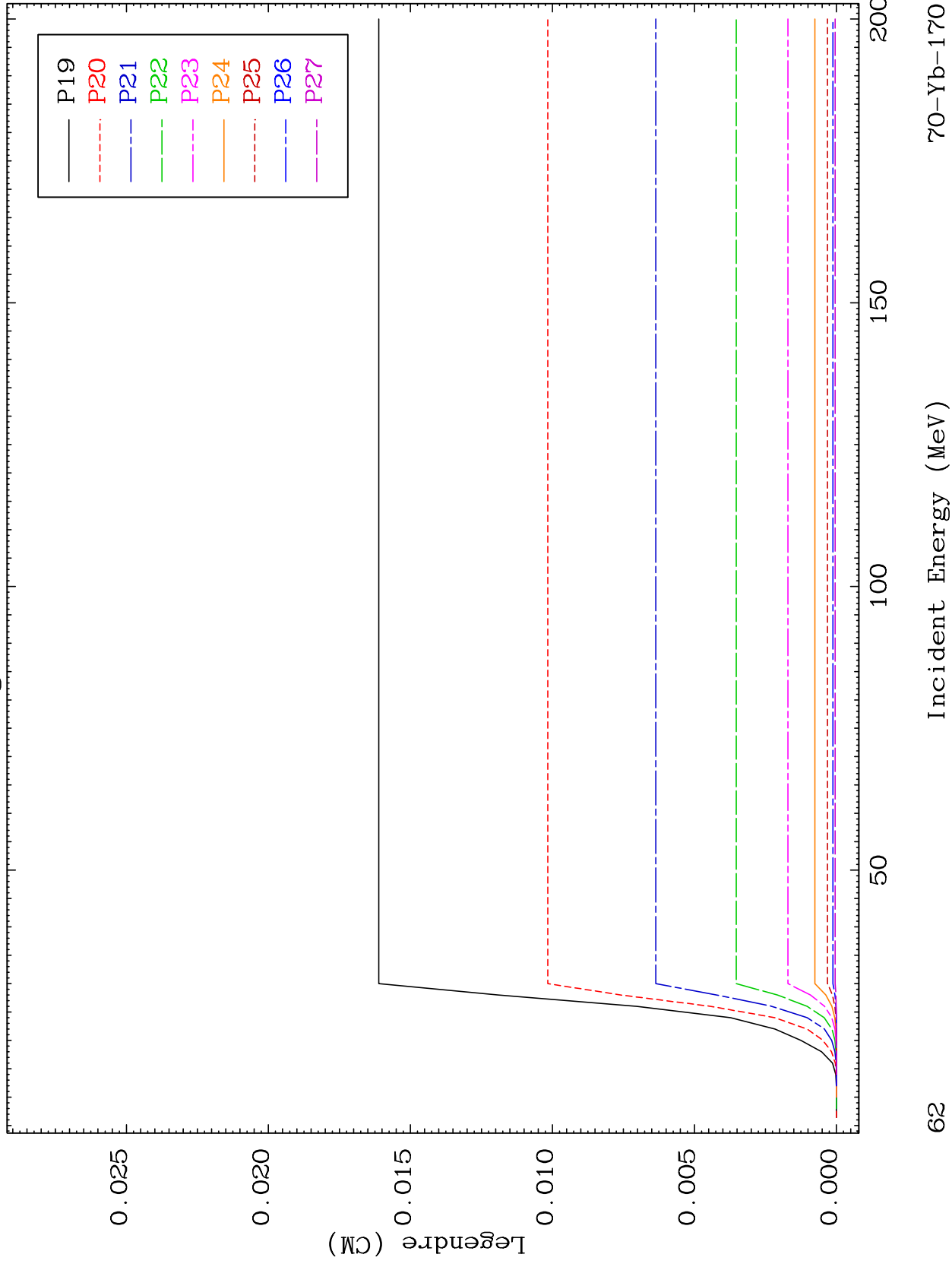




MAT 7031

1.306 MeV (n,n') Level
Legendre Coefficients

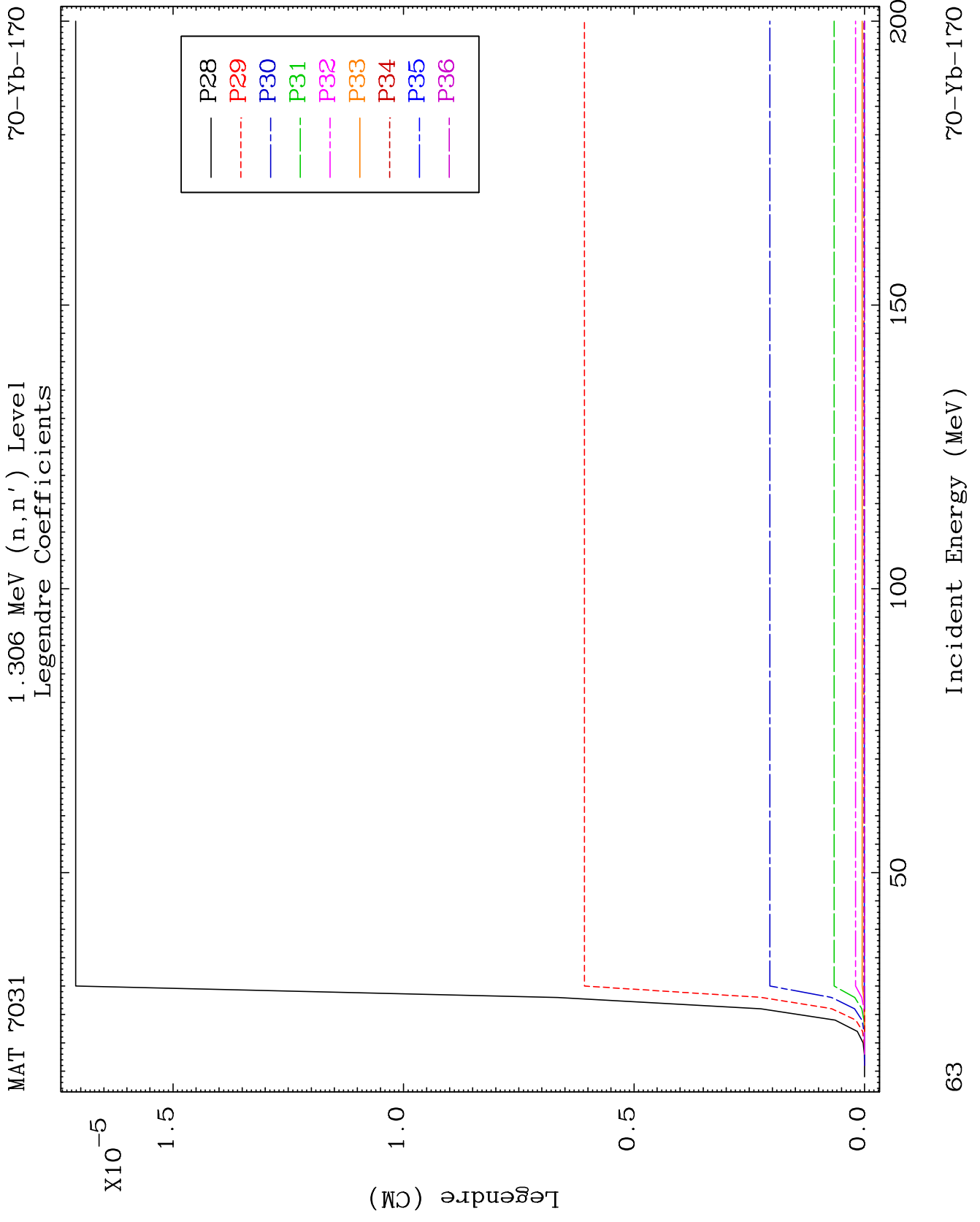
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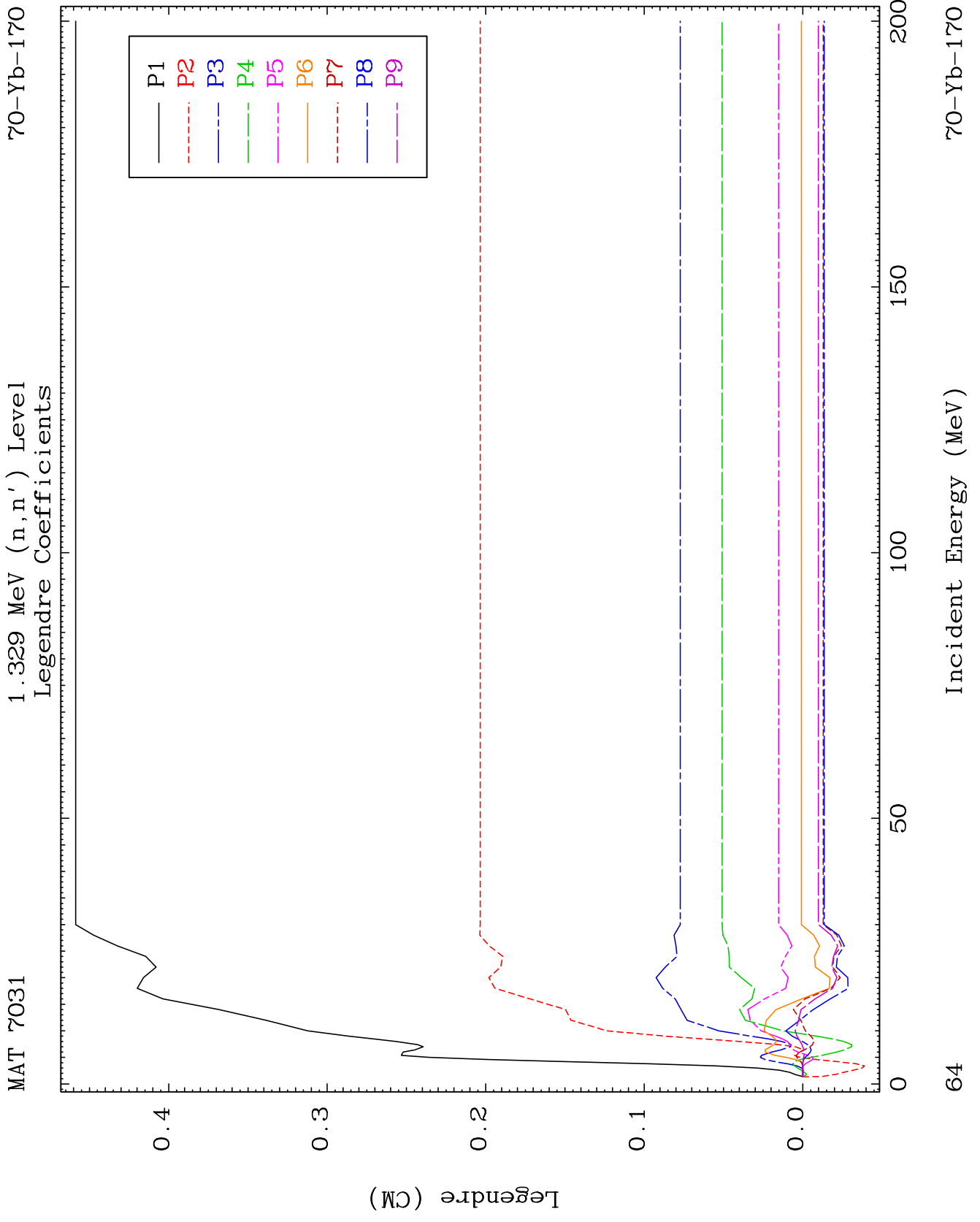


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Incident Energy (MeV)

70-Yb-170

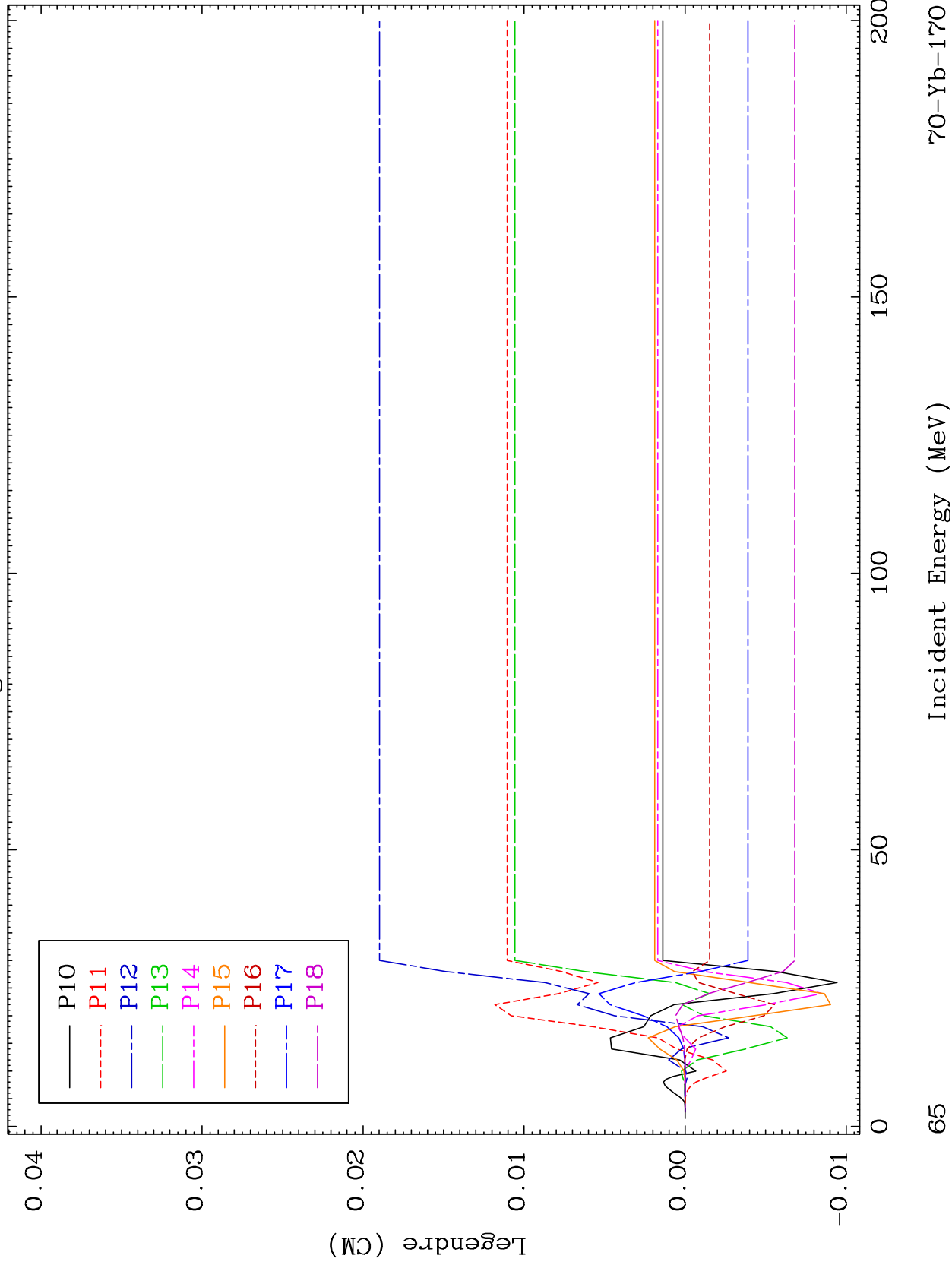




MAT 7031

1.329 MeV (n,n') Level
Legendre Coefficients

70-Yb-170



70-Yb-170

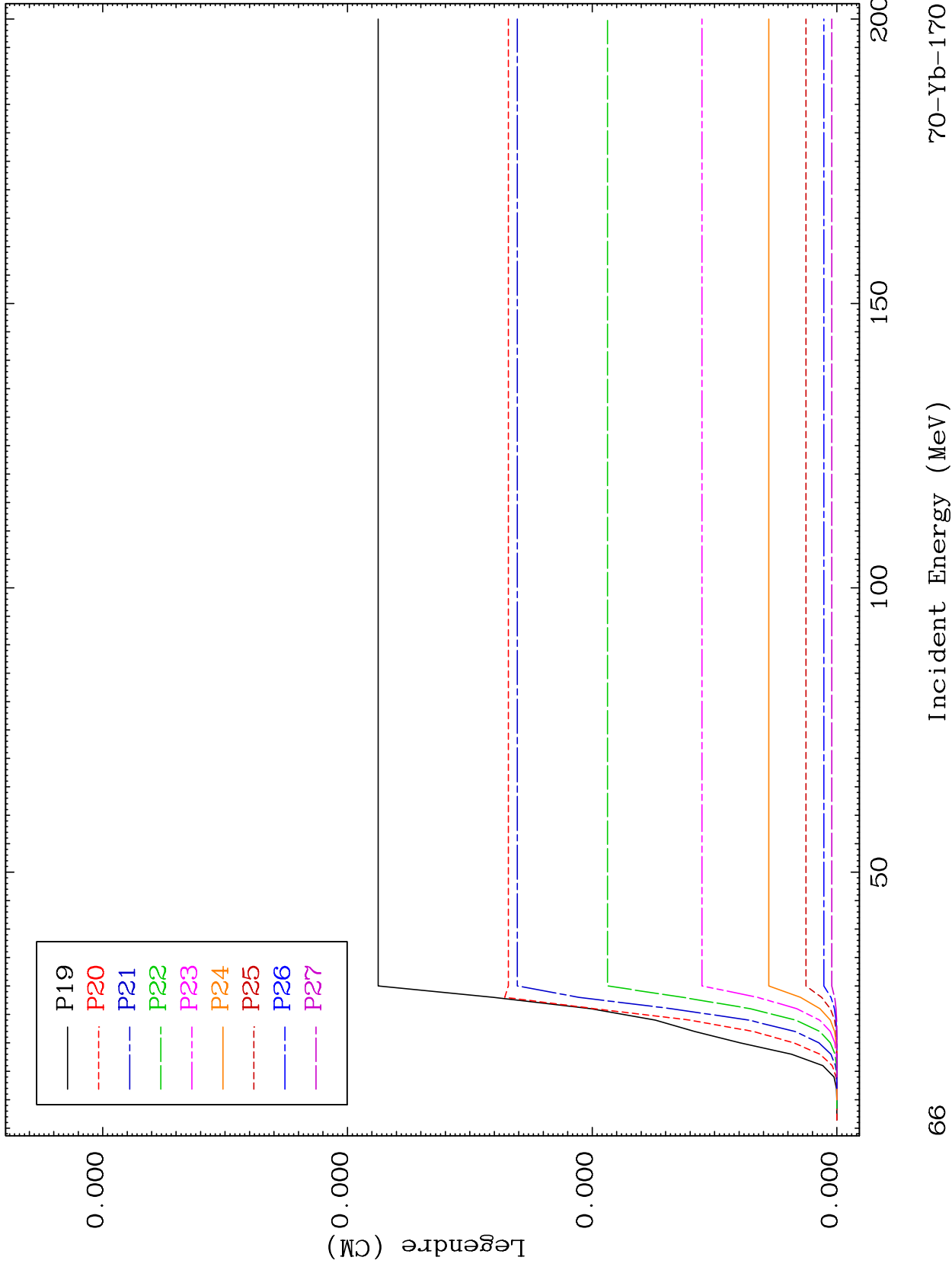
Incident Energy (MeV)

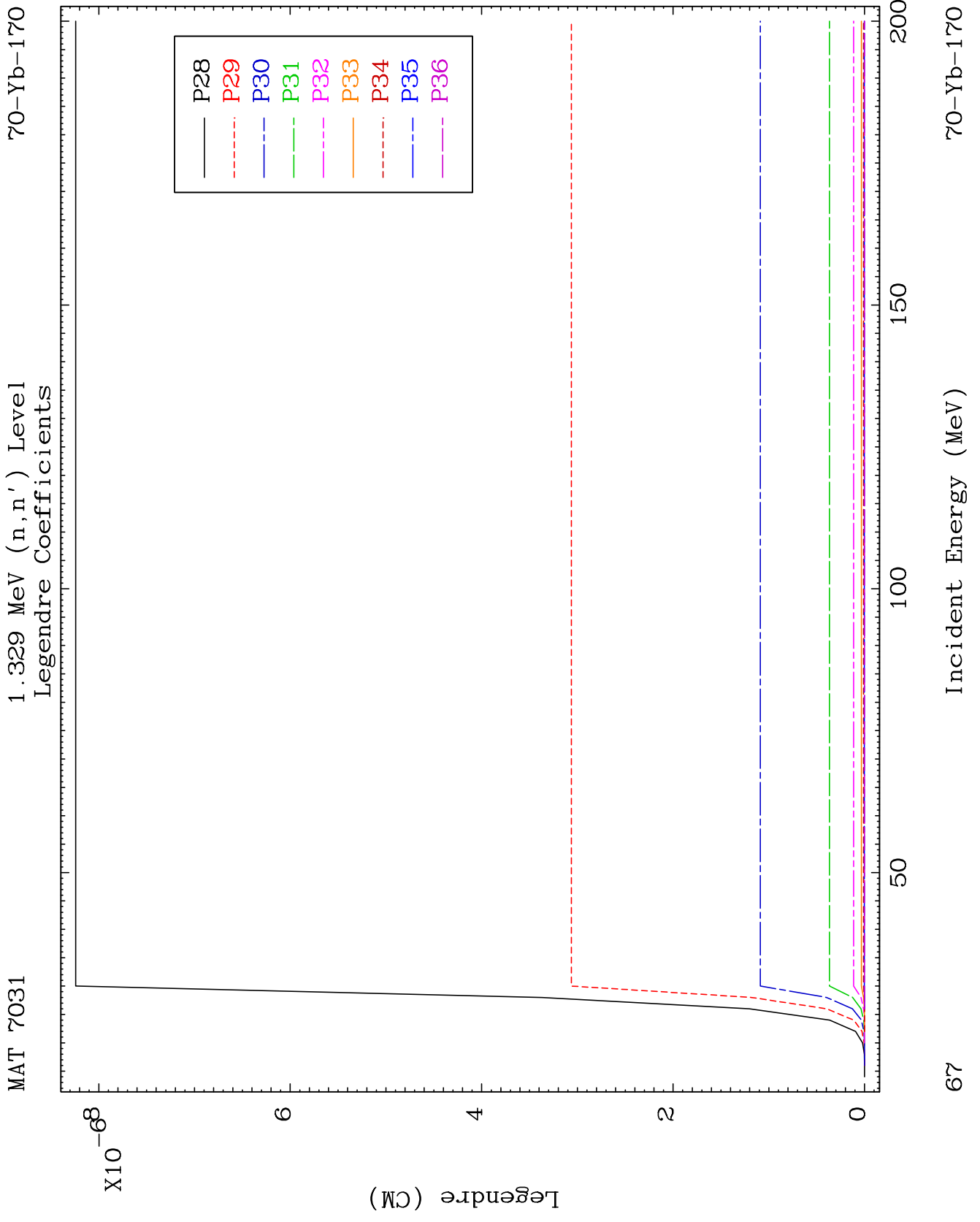
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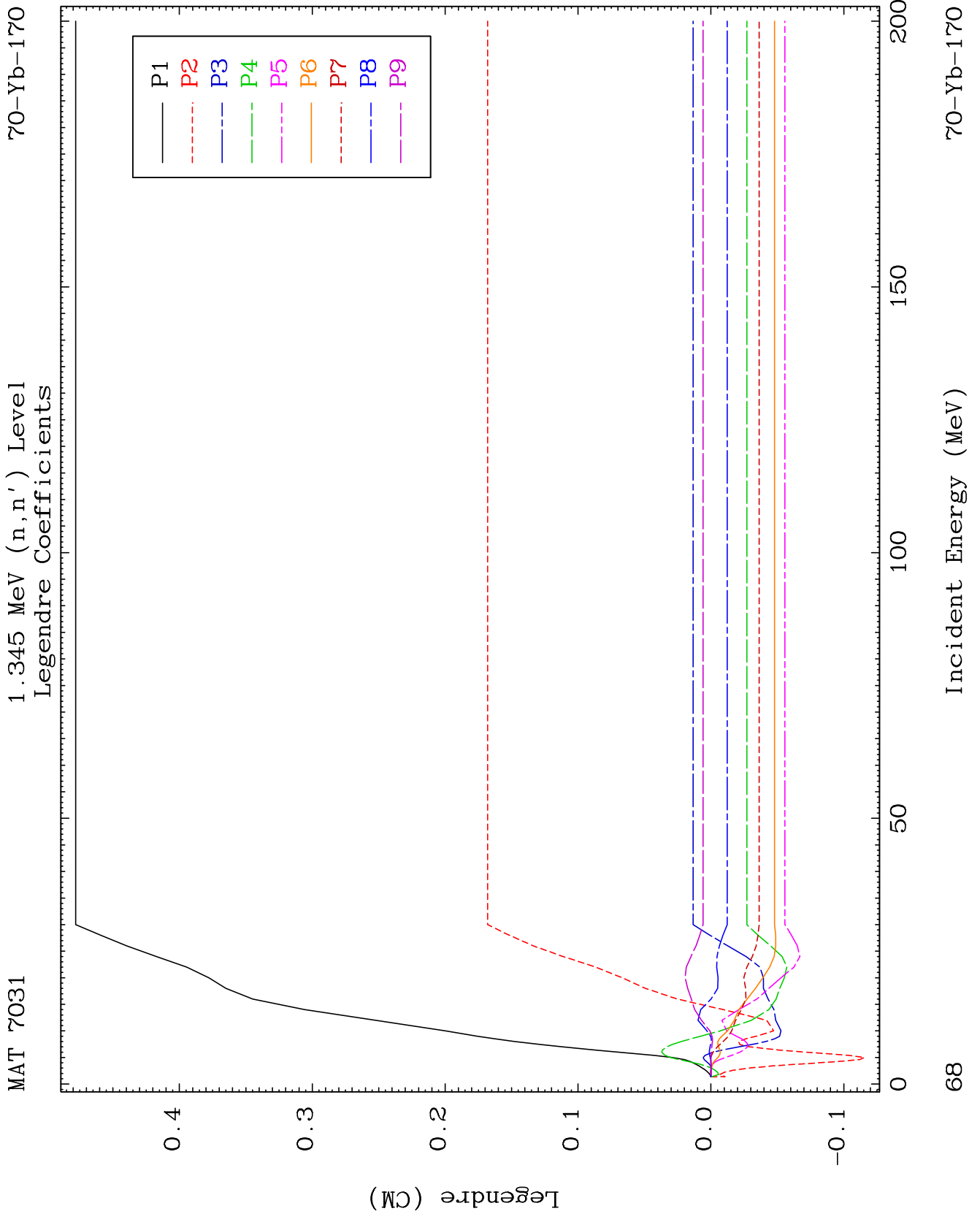
MAT 7031

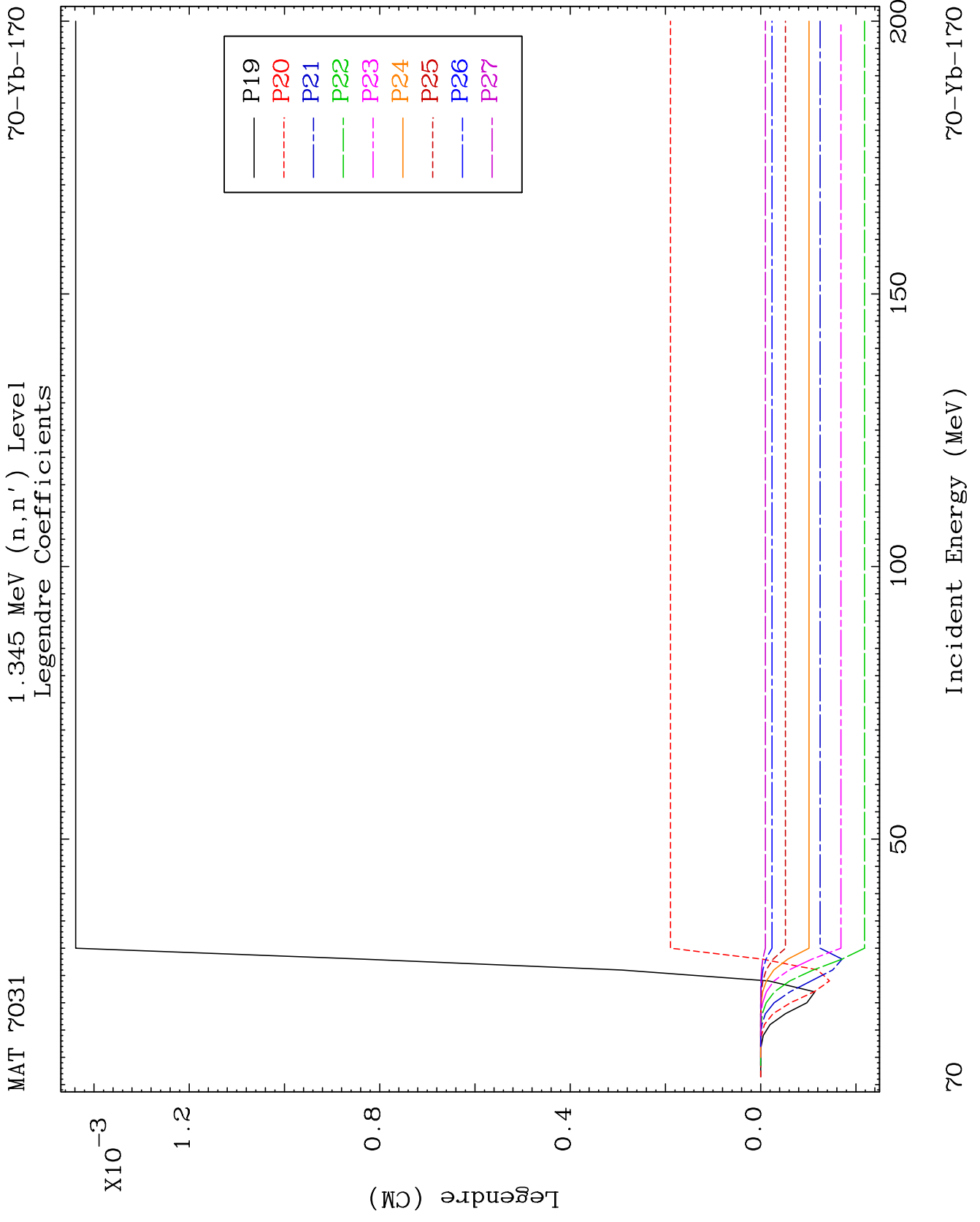
1.329 MeV (n,n') Level
Legendre Coefficients

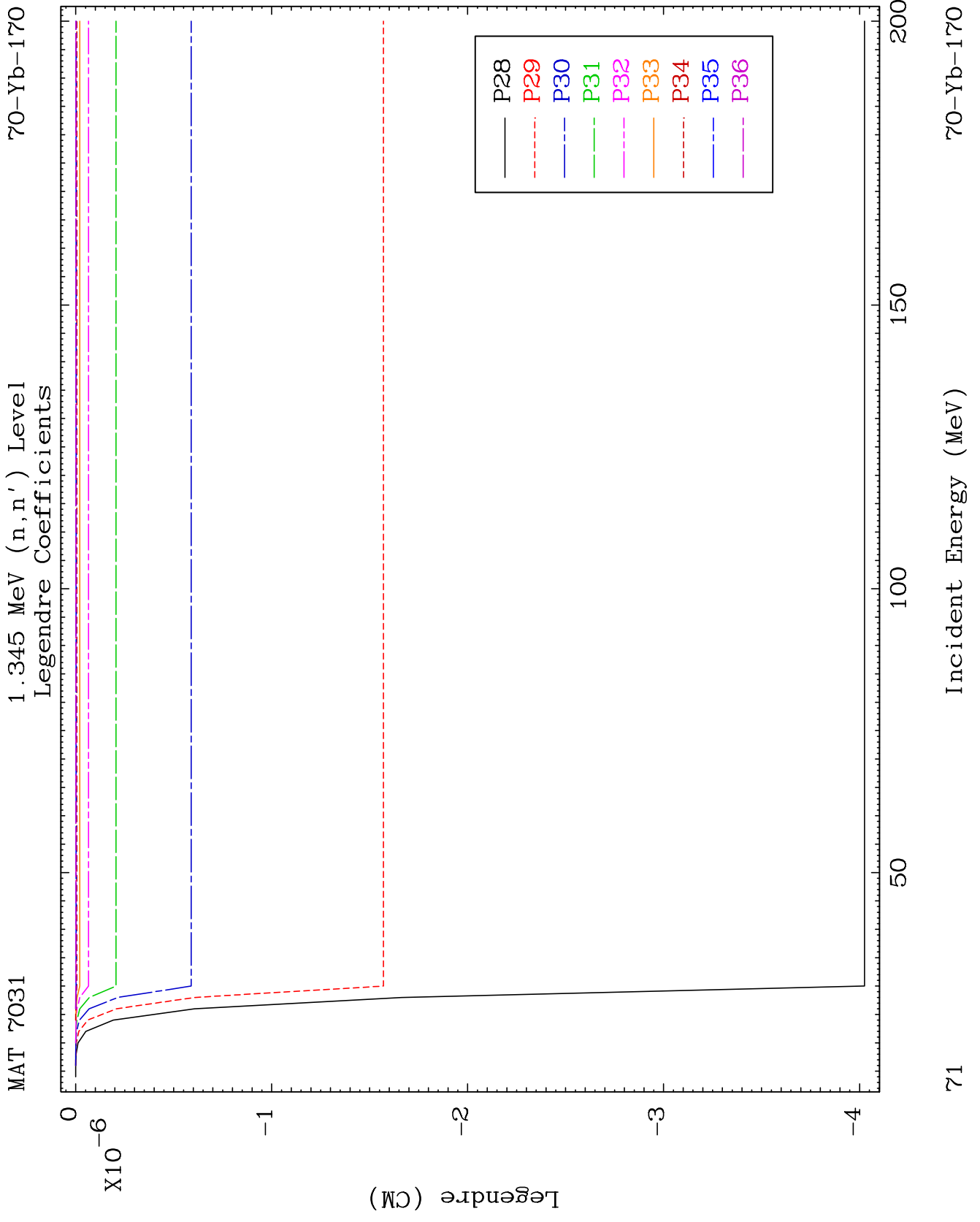
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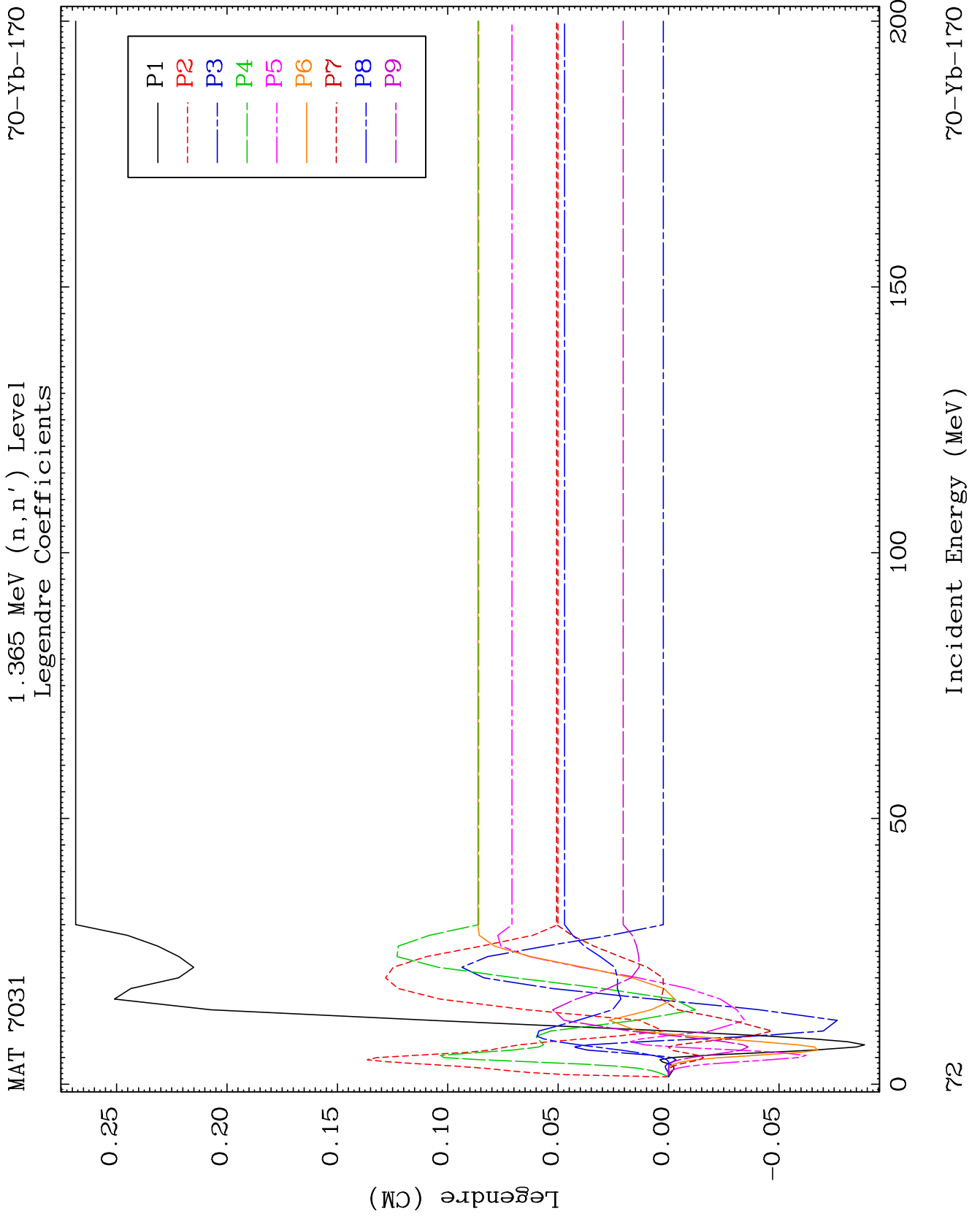


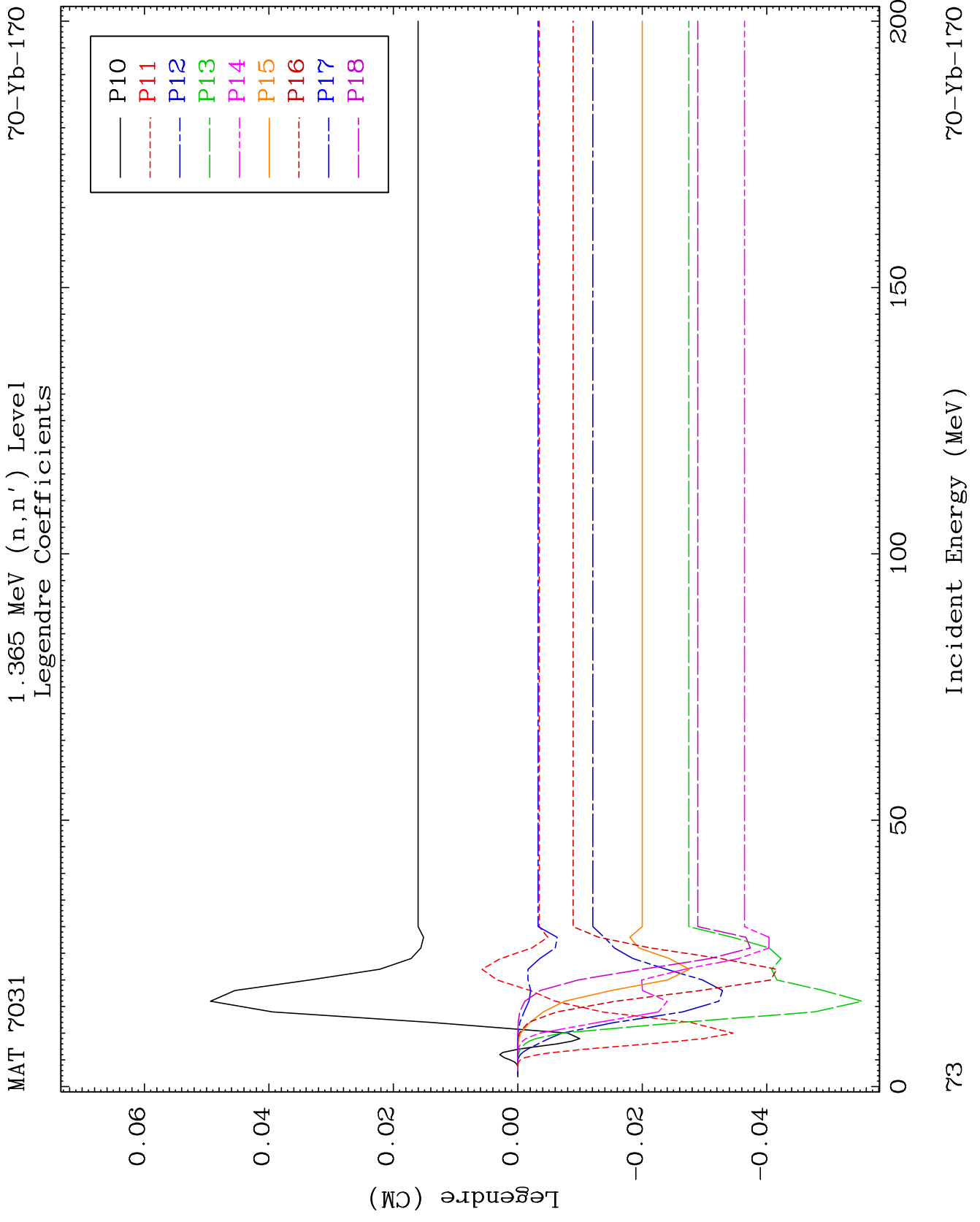


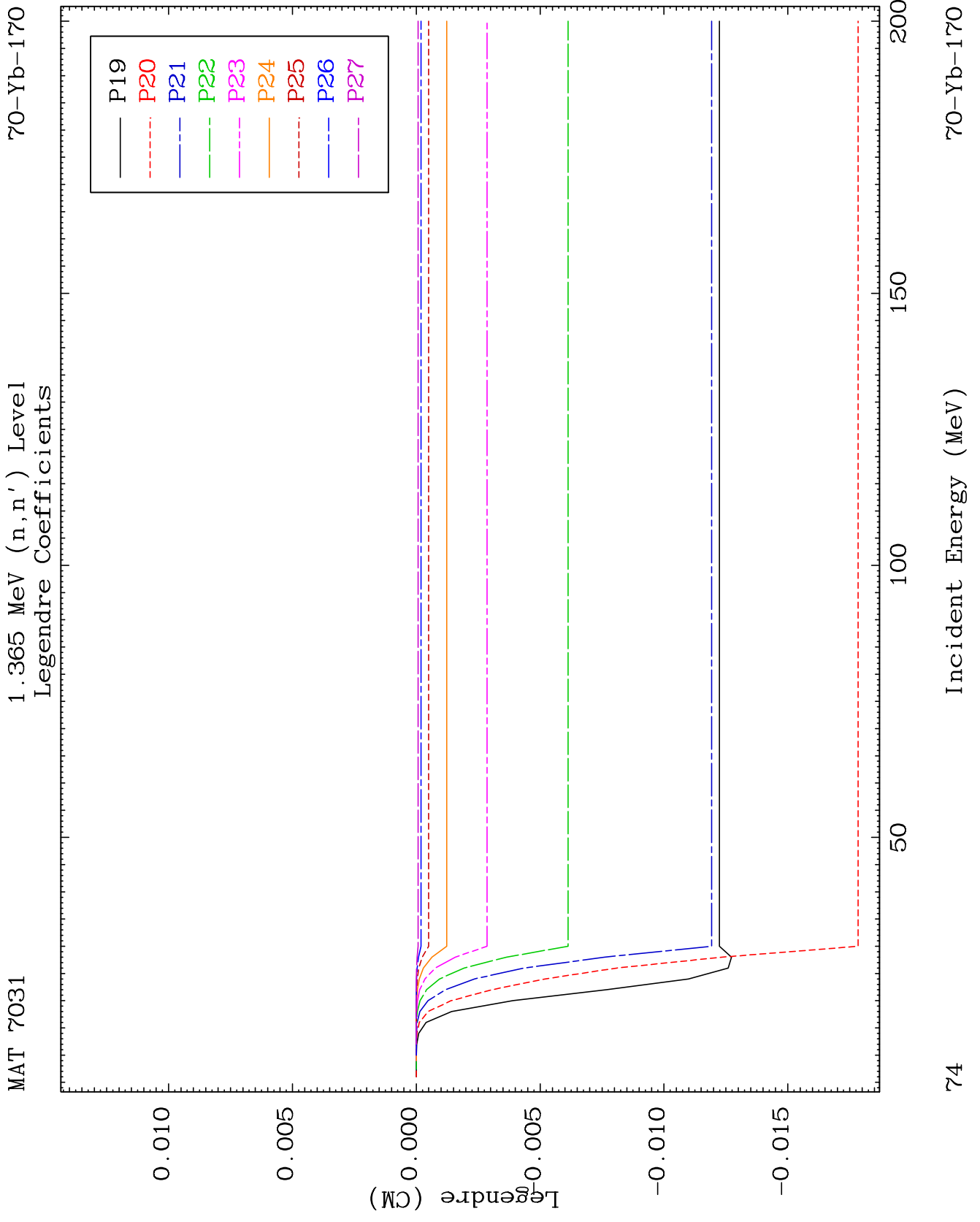


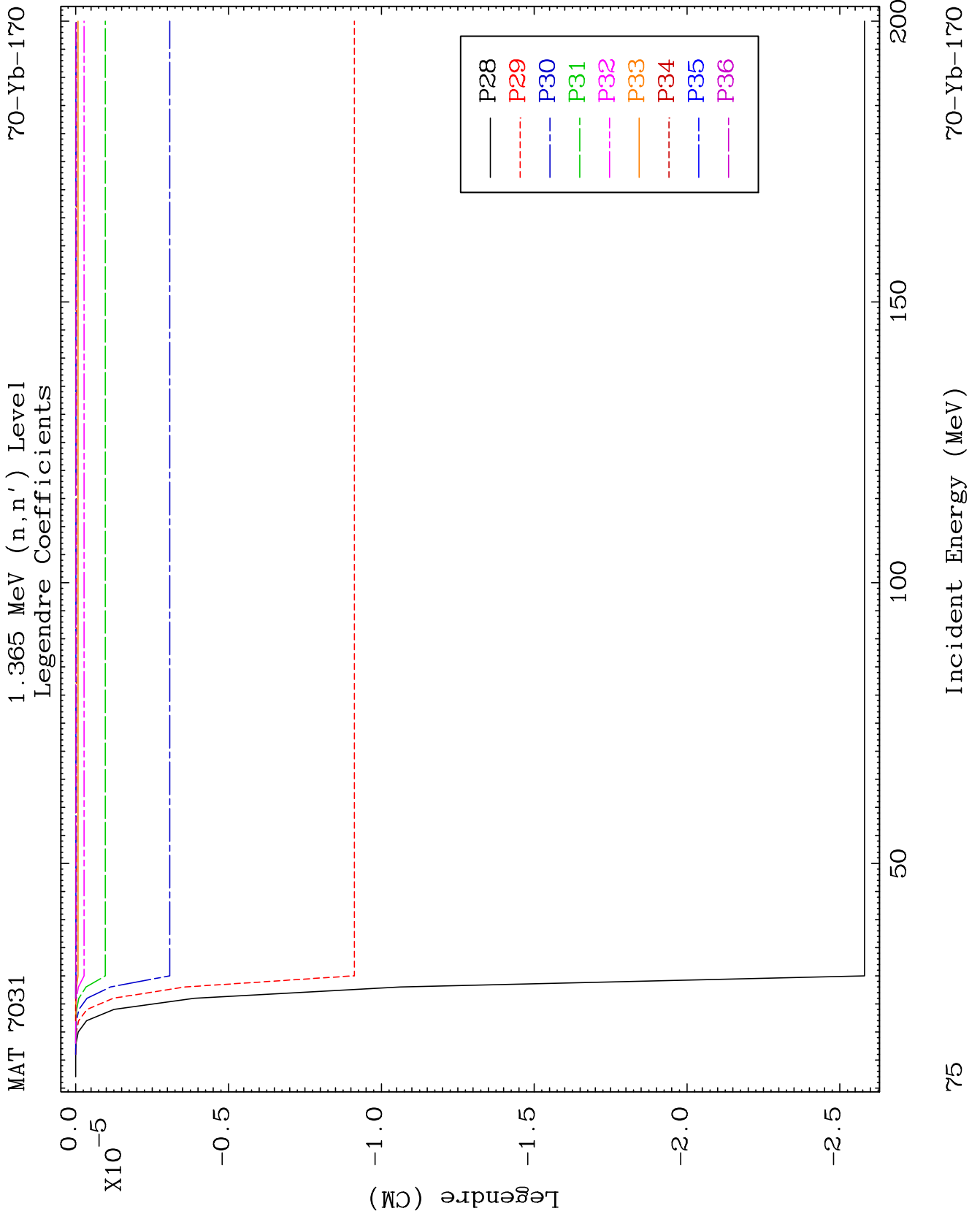


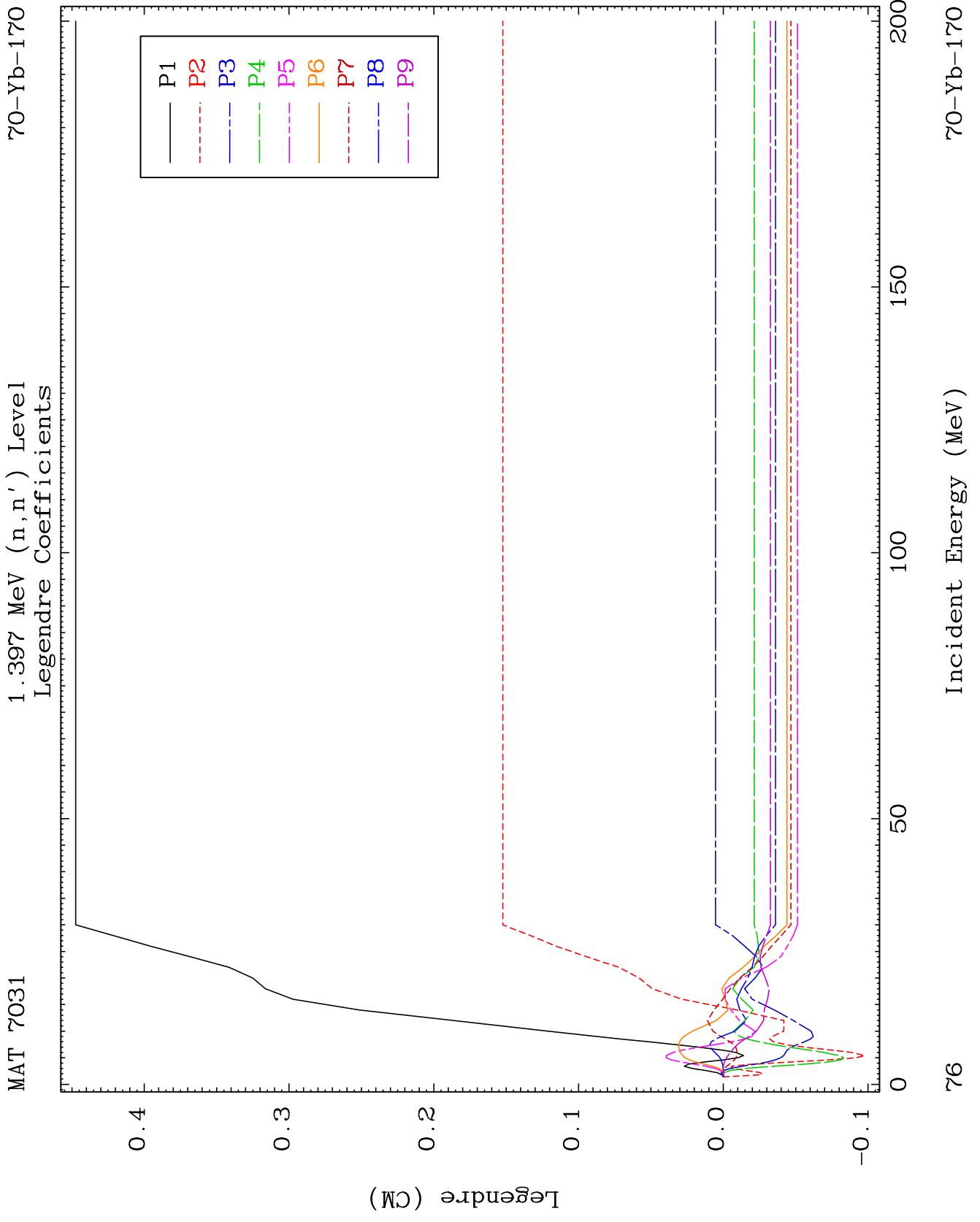








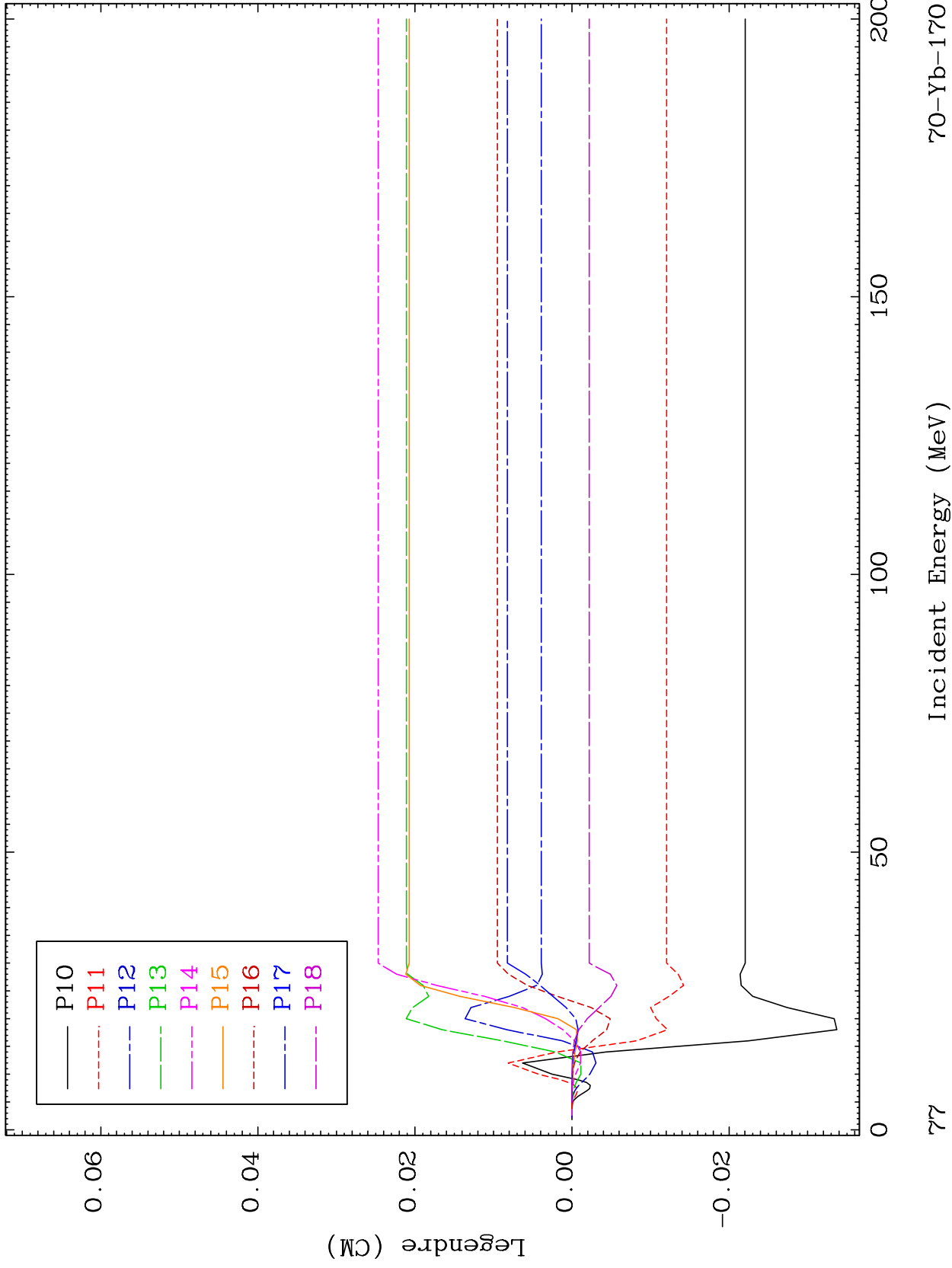




MAT 7031

1.397 MeV (n,n') Level
Legendre Coefficients

70-Yb-170



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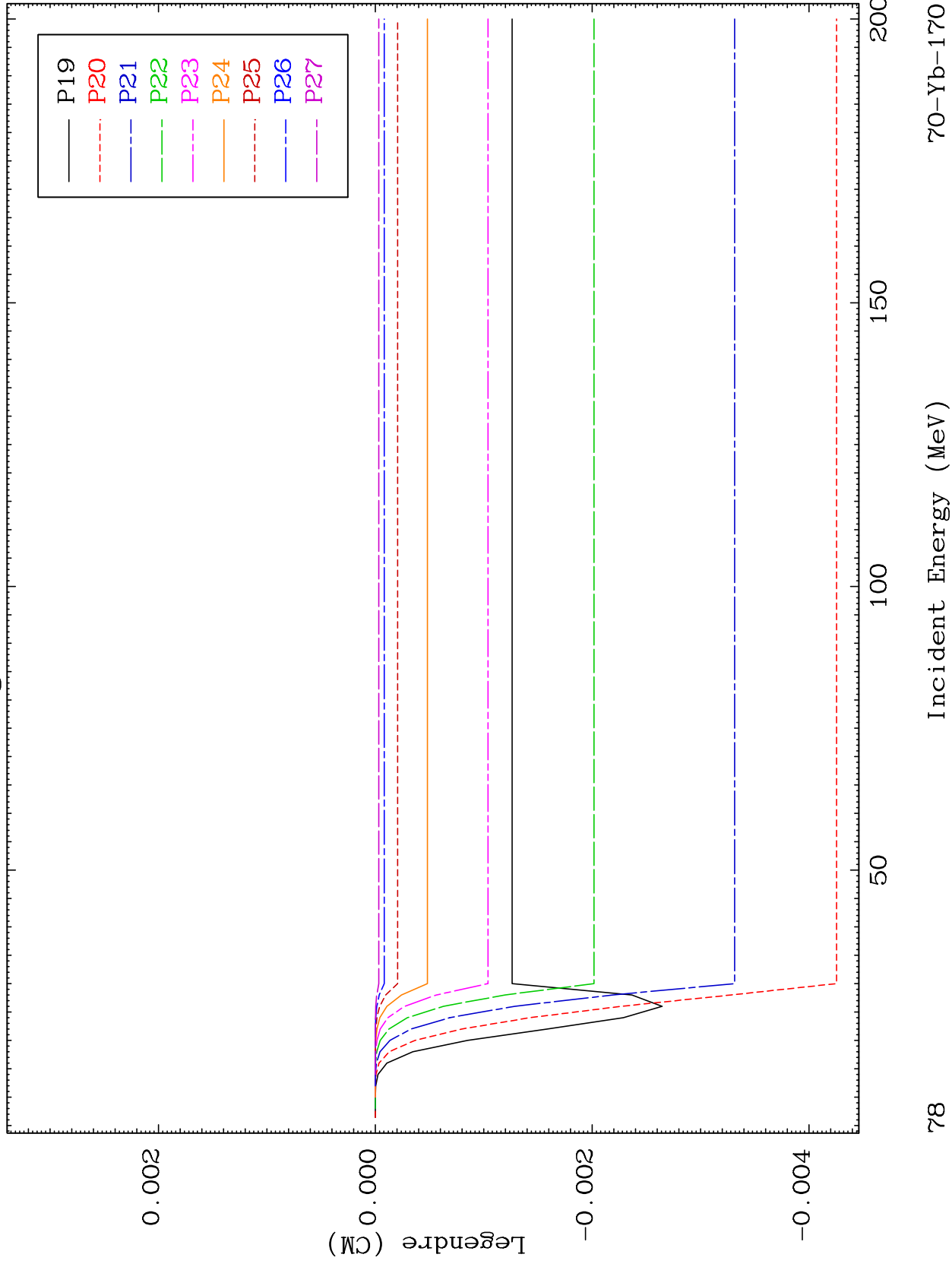
Incident Energy (MeV)

70-Yb-170

MAT 7031

1.397 MeV (n,n') Level
Legendre Coefficients

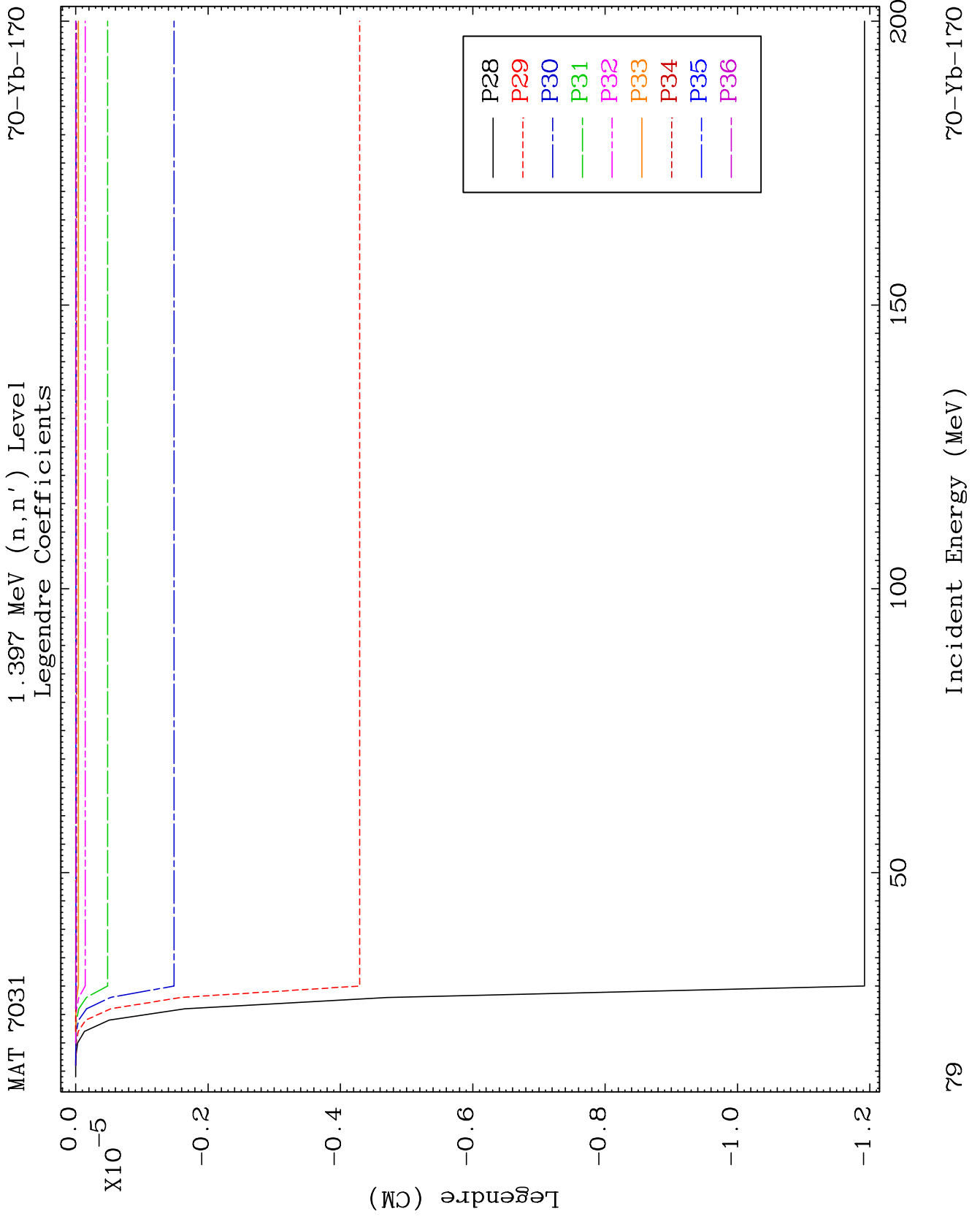
70-Yb-170

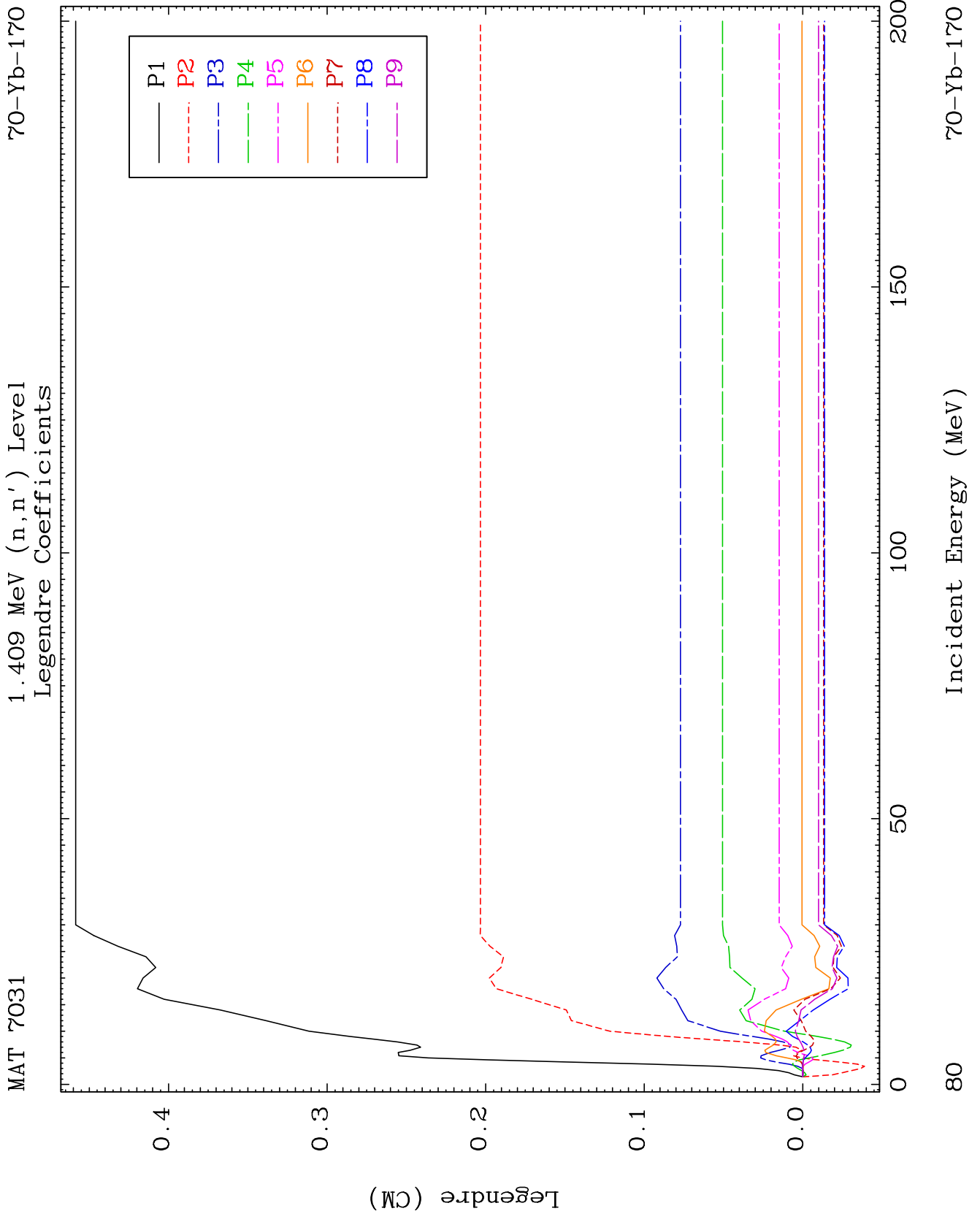


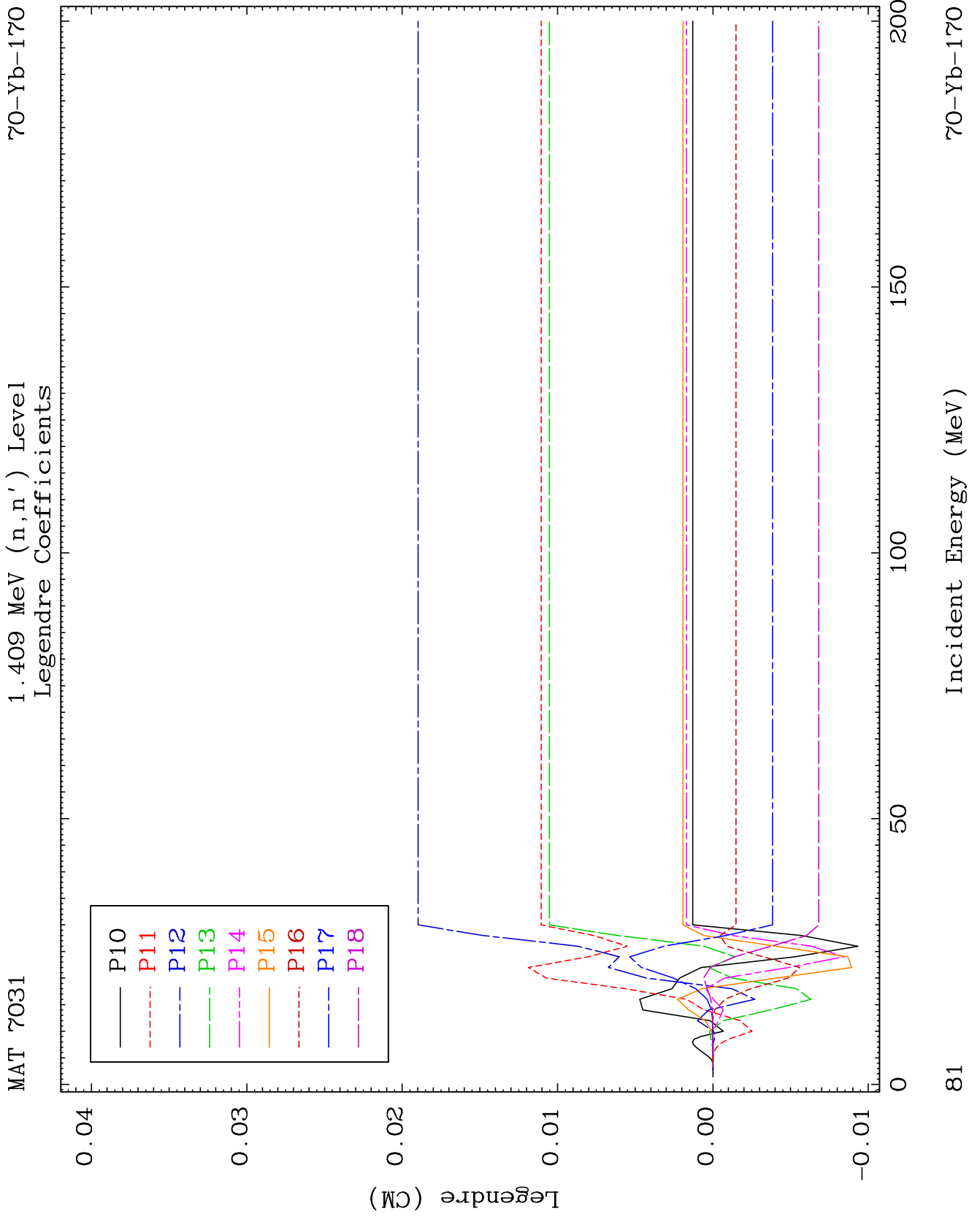
78

Incident Energy (MeV)

70-Yb-170



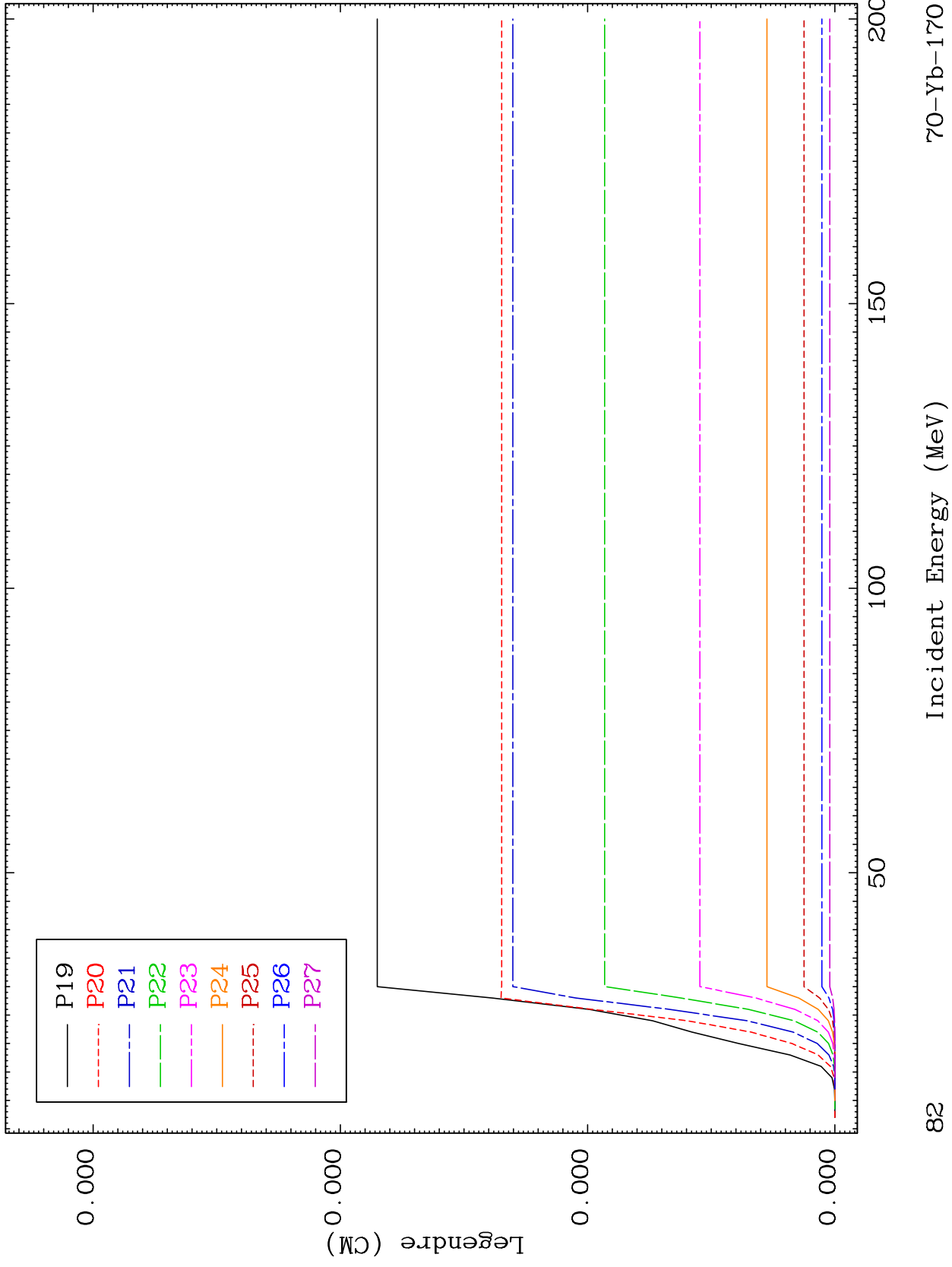




MAT 7031

1.409 MeV (n,n') Level
Legendre Coefficients

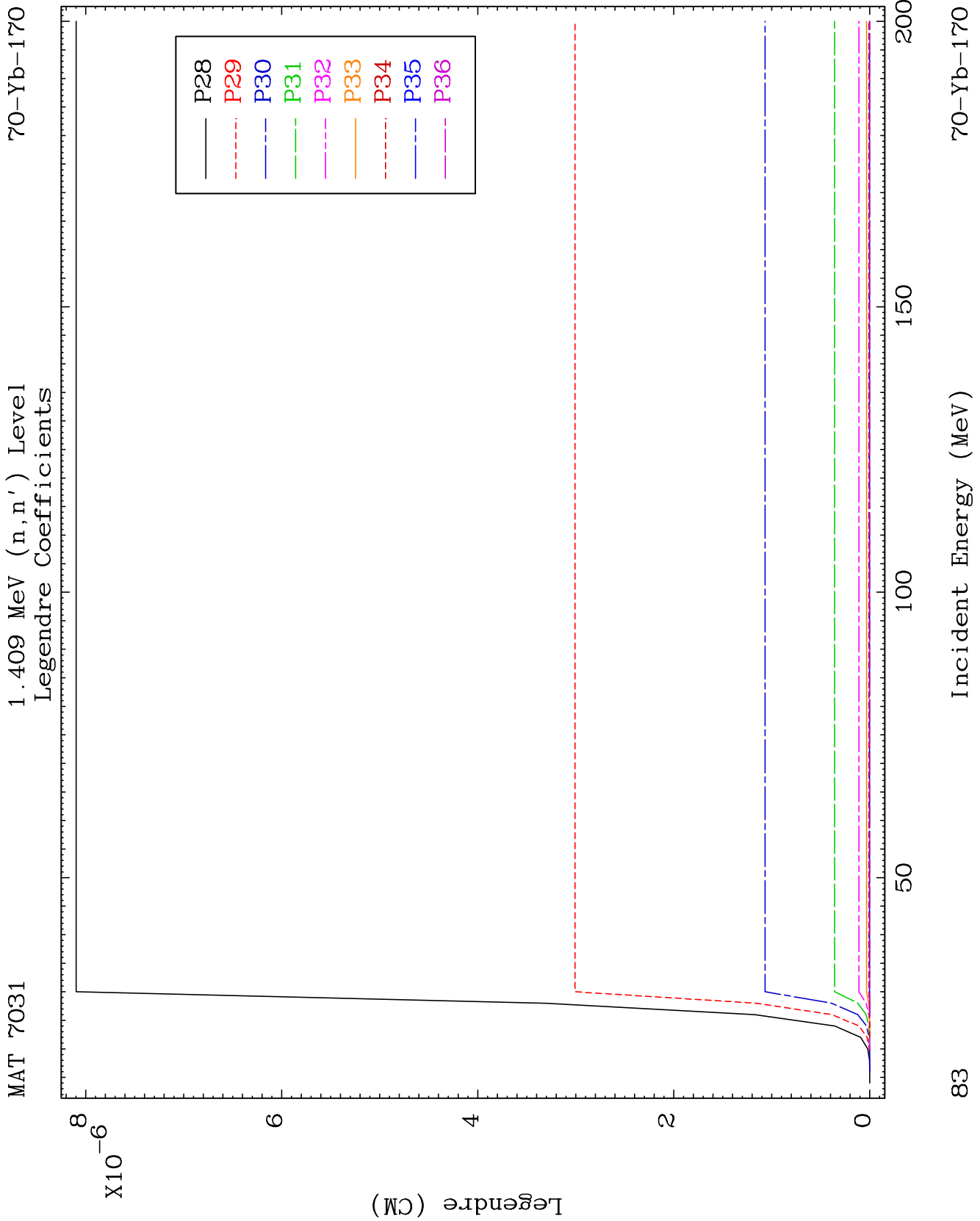
70-Yb-170

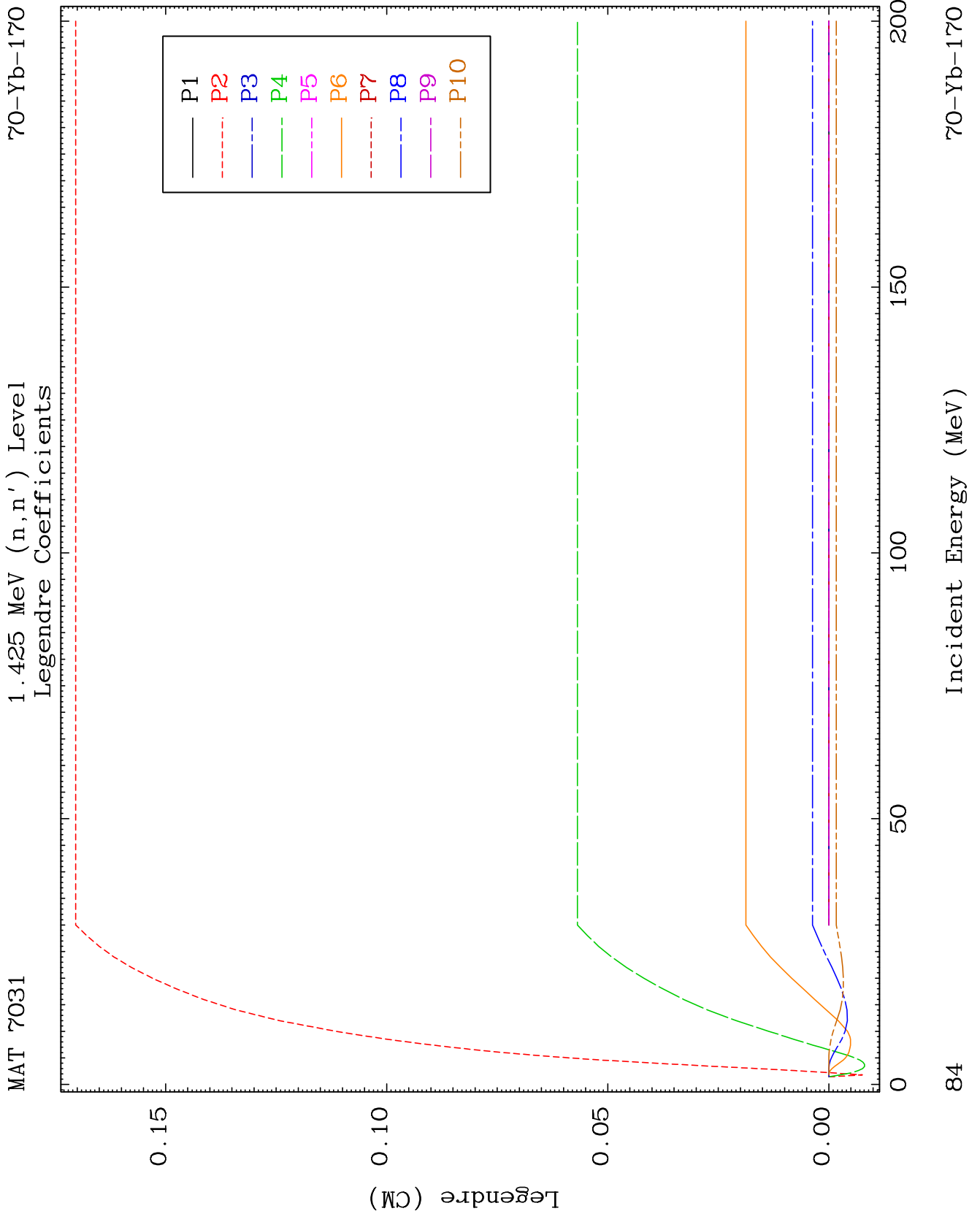


82

Incident Energy (MeV)

70-Yb-170

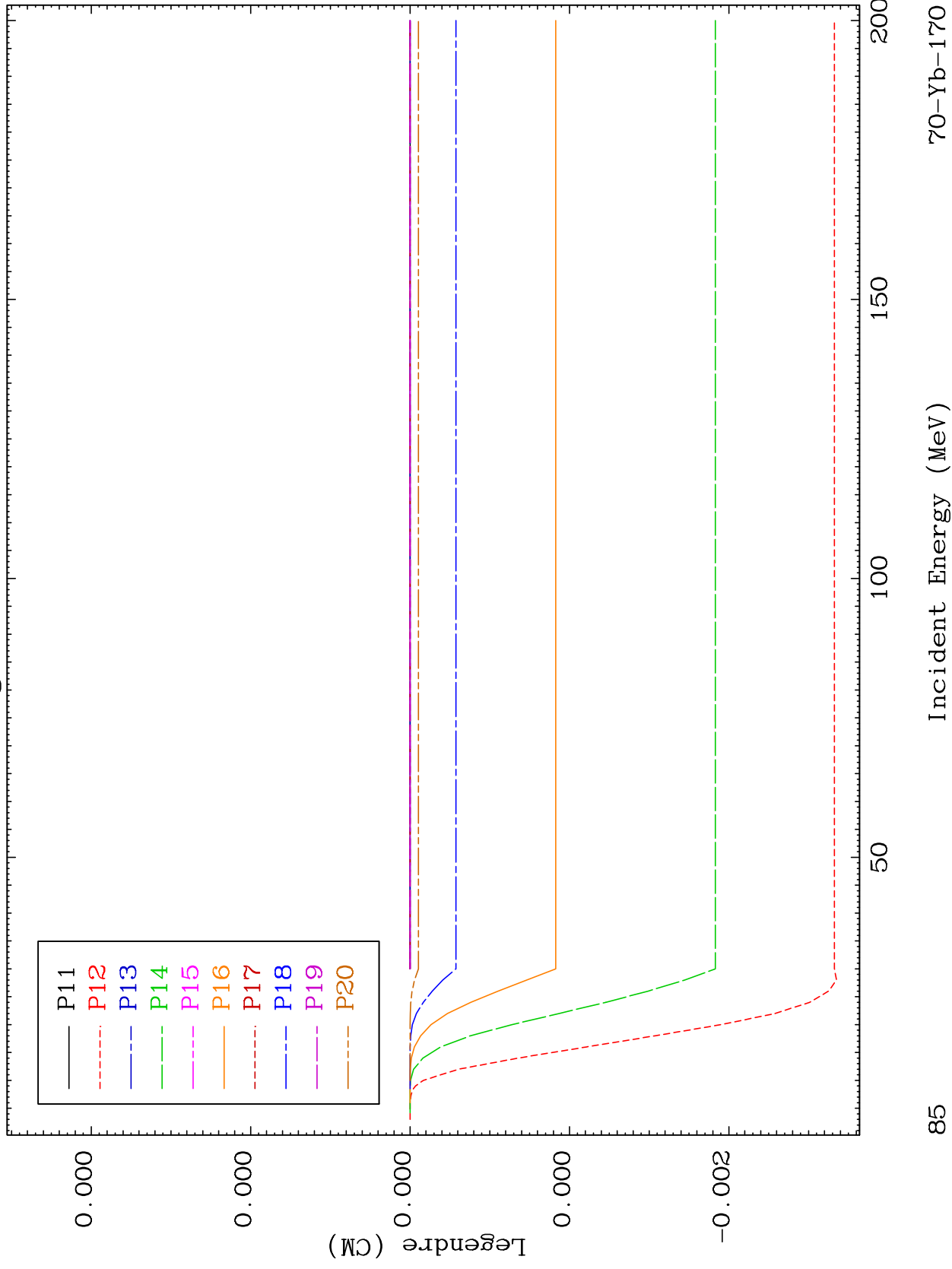




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1.425 MeV (n,n') Level
Legendre Coefficients

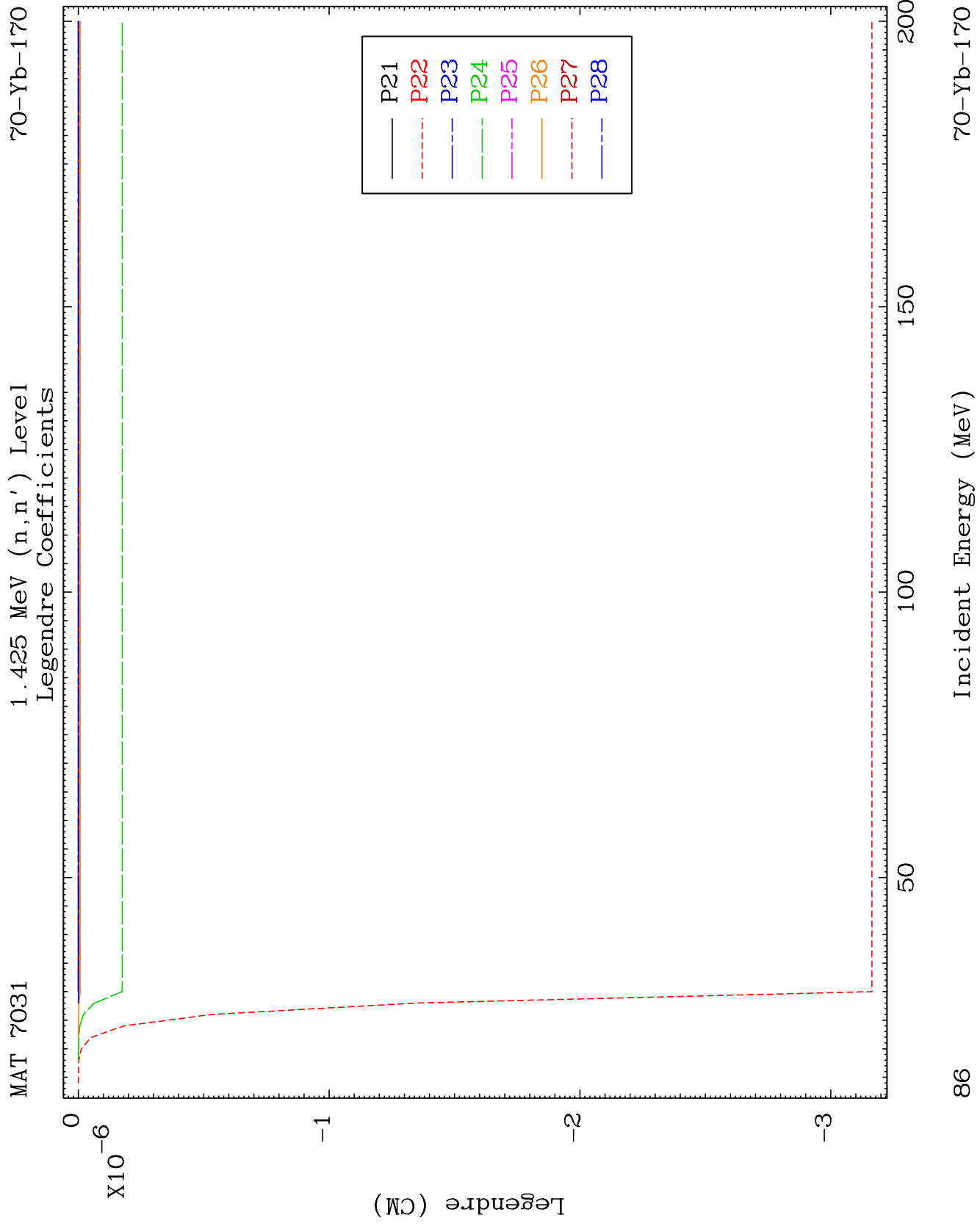
70-Yb-170

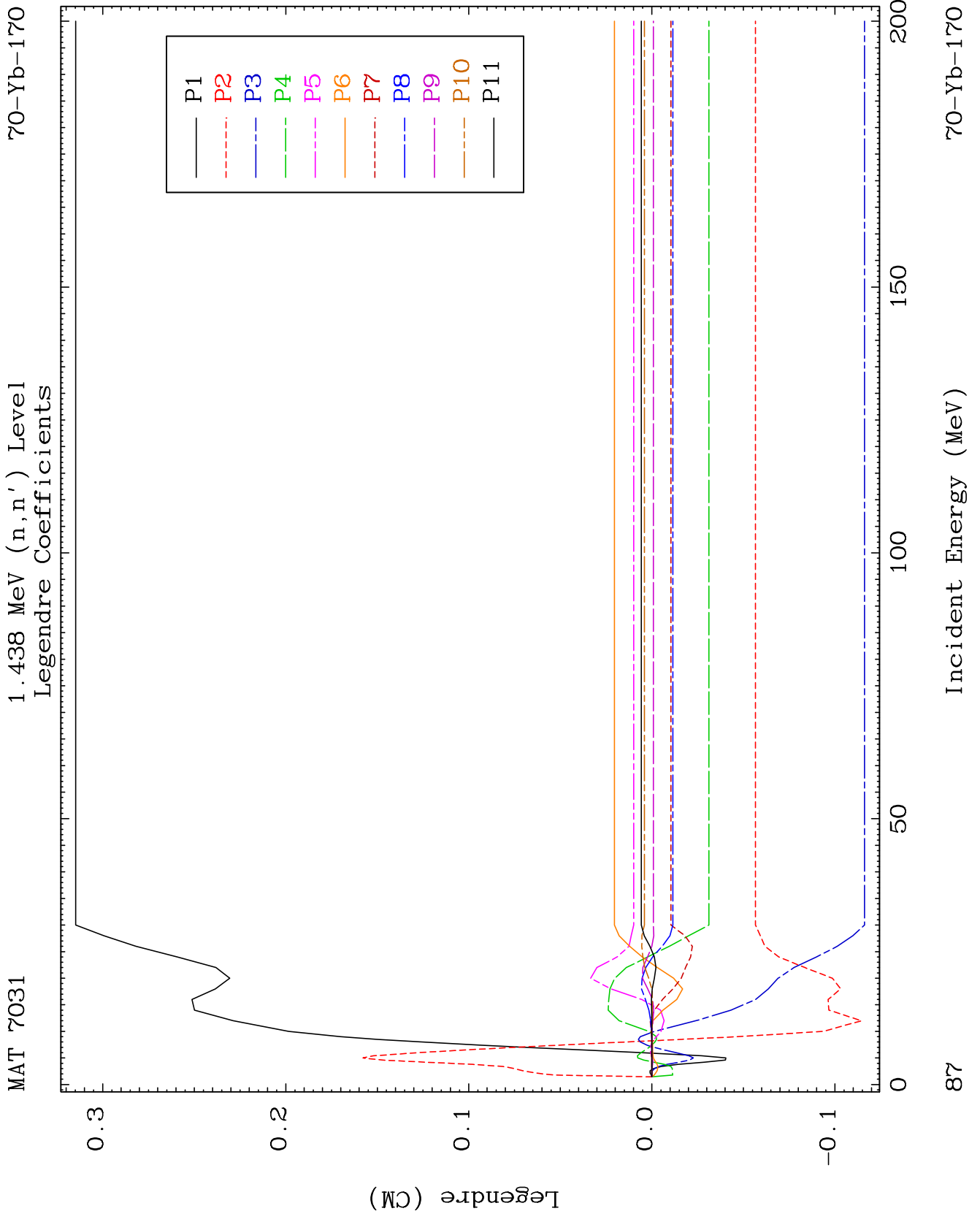


85

Incident Energy (MeV)

70-Yb-170

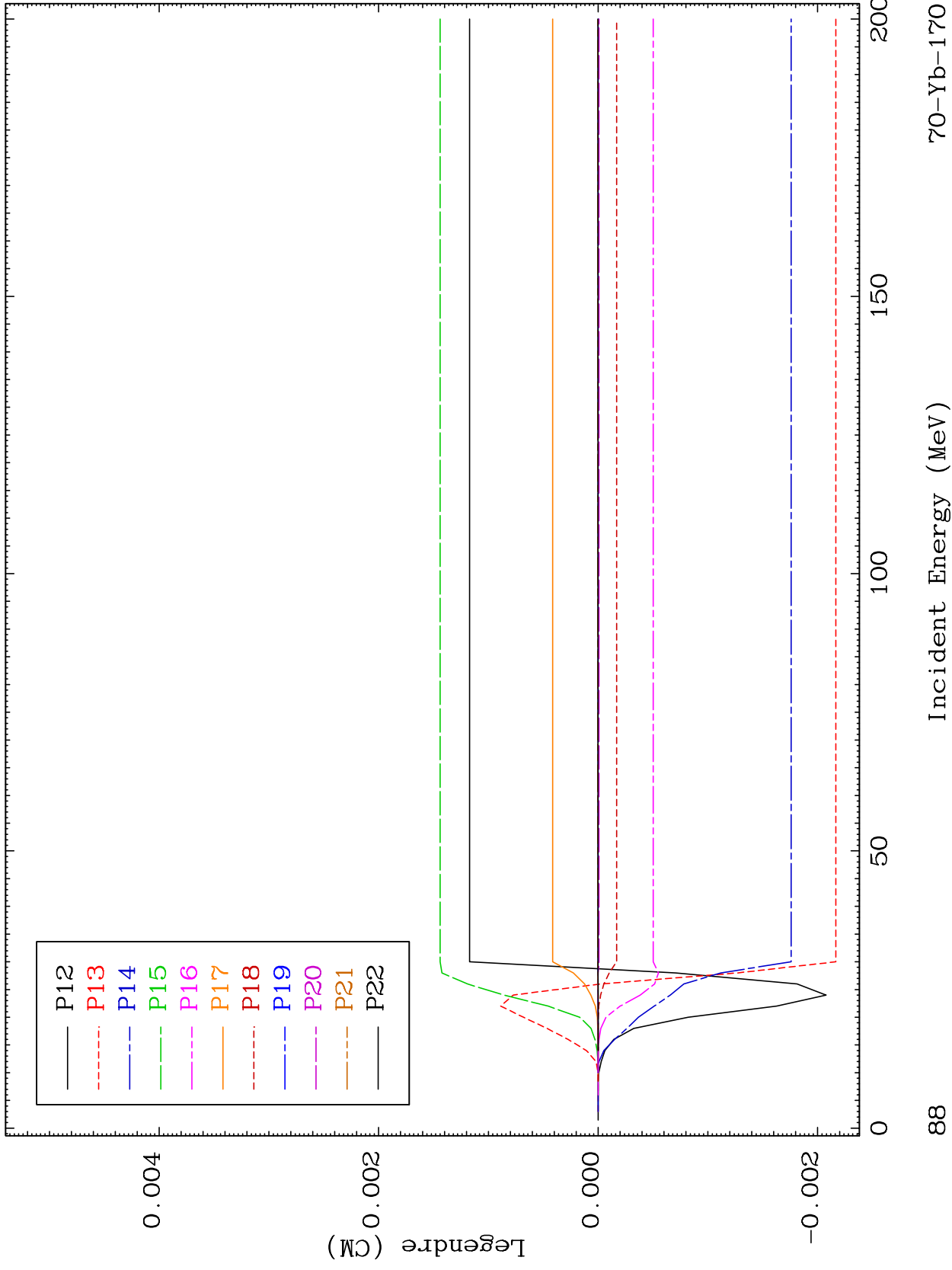




MAT 7031

1.438 MeV (n,n') Level
Legendre Coefficients

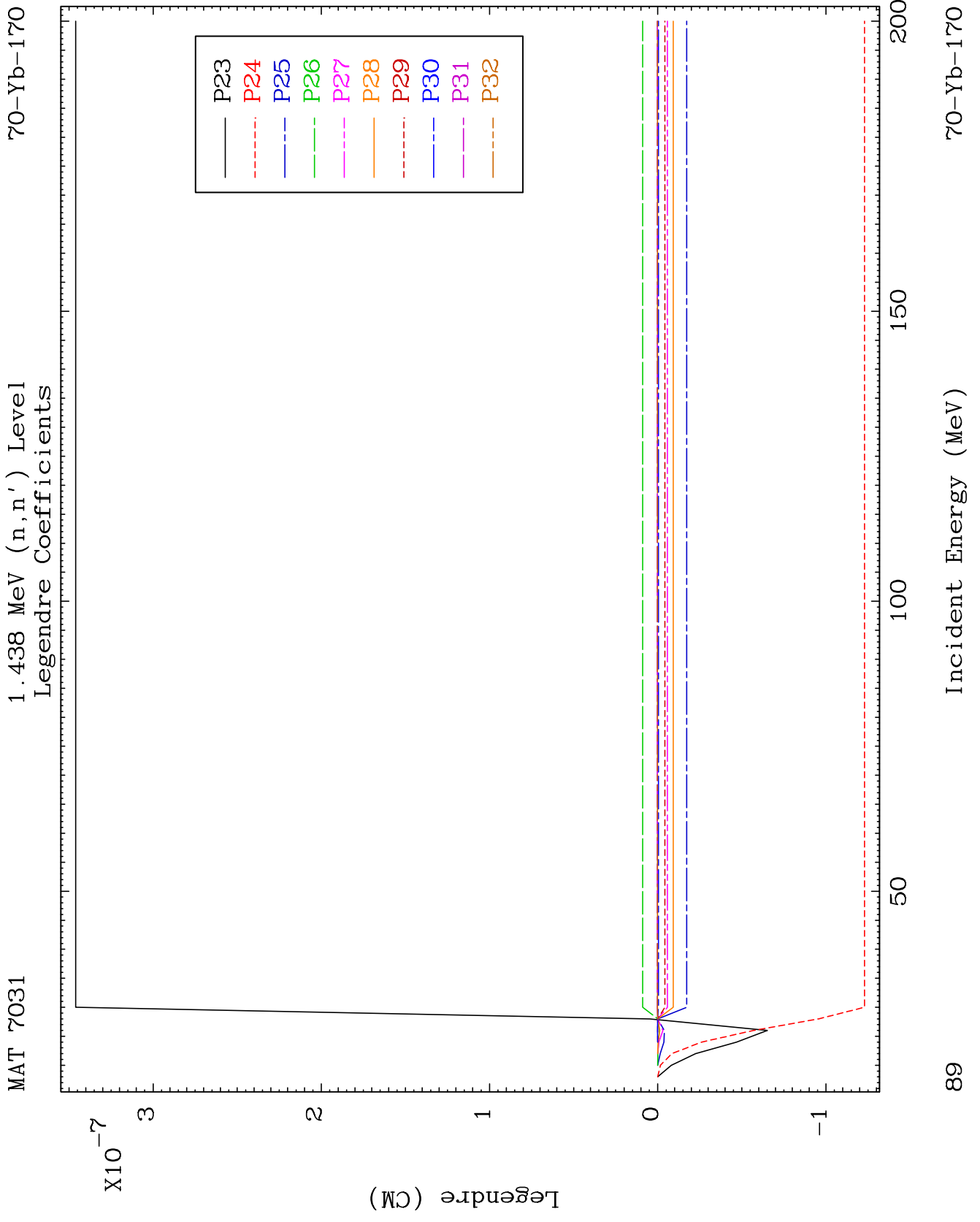
70-Yb-170

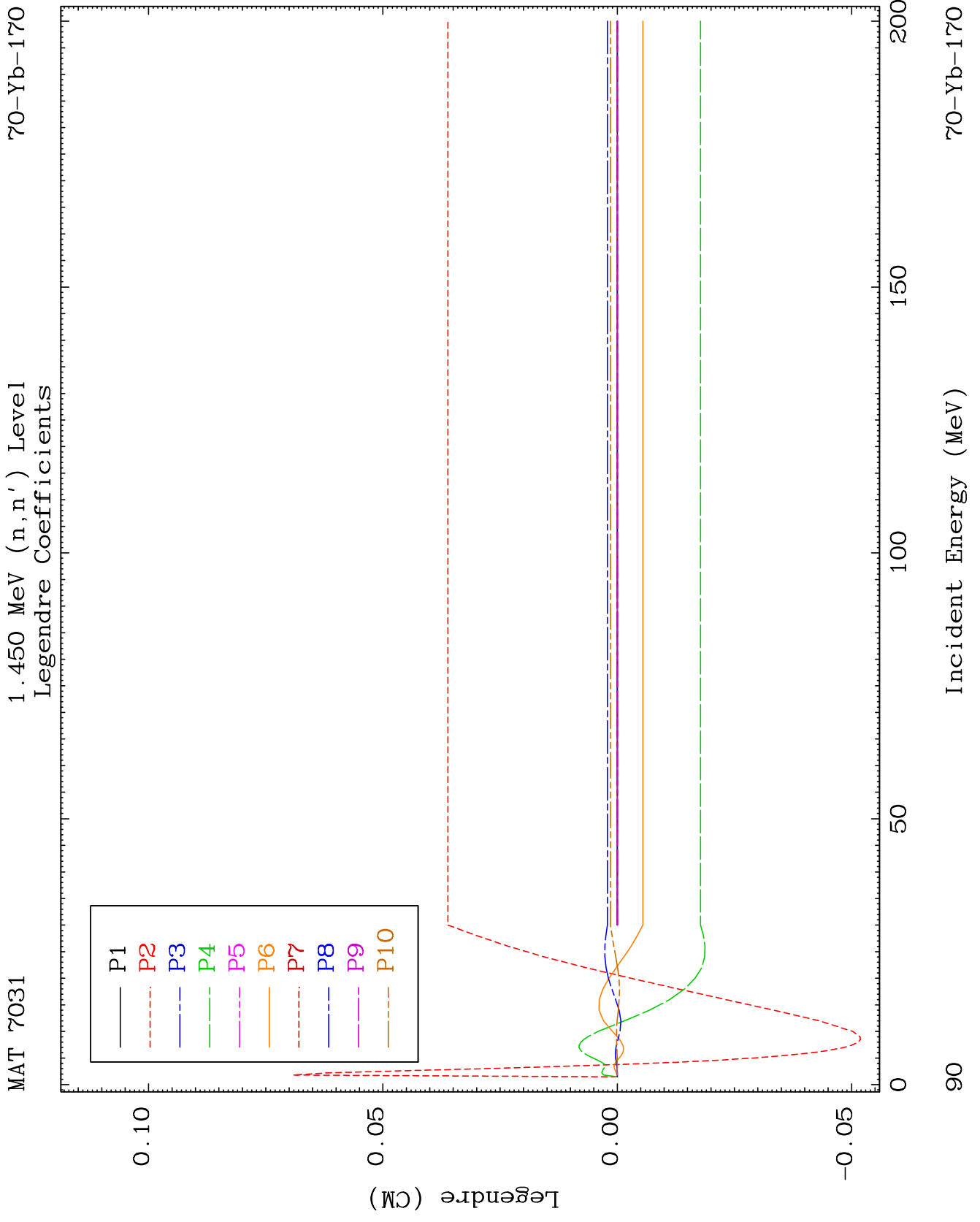


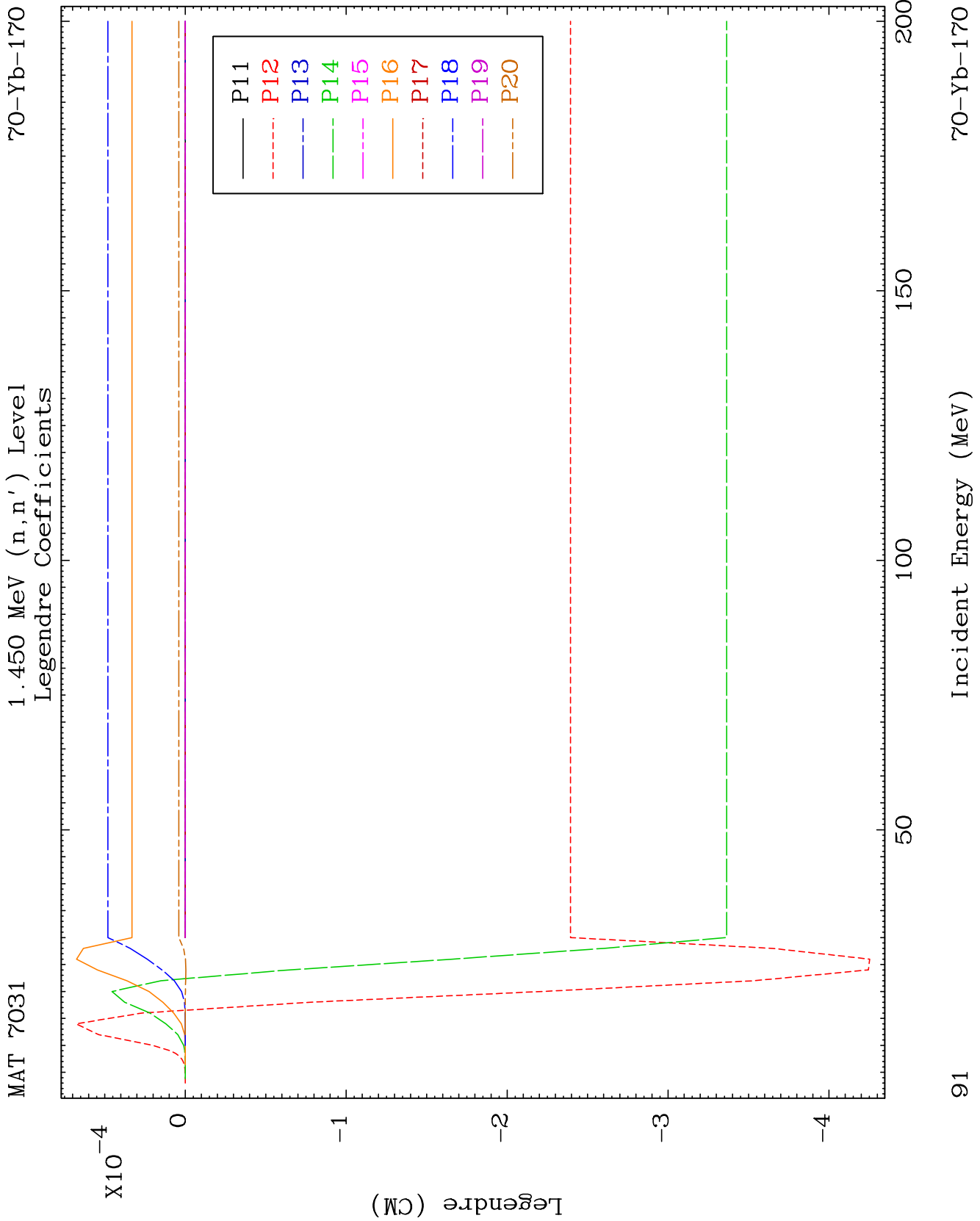
88

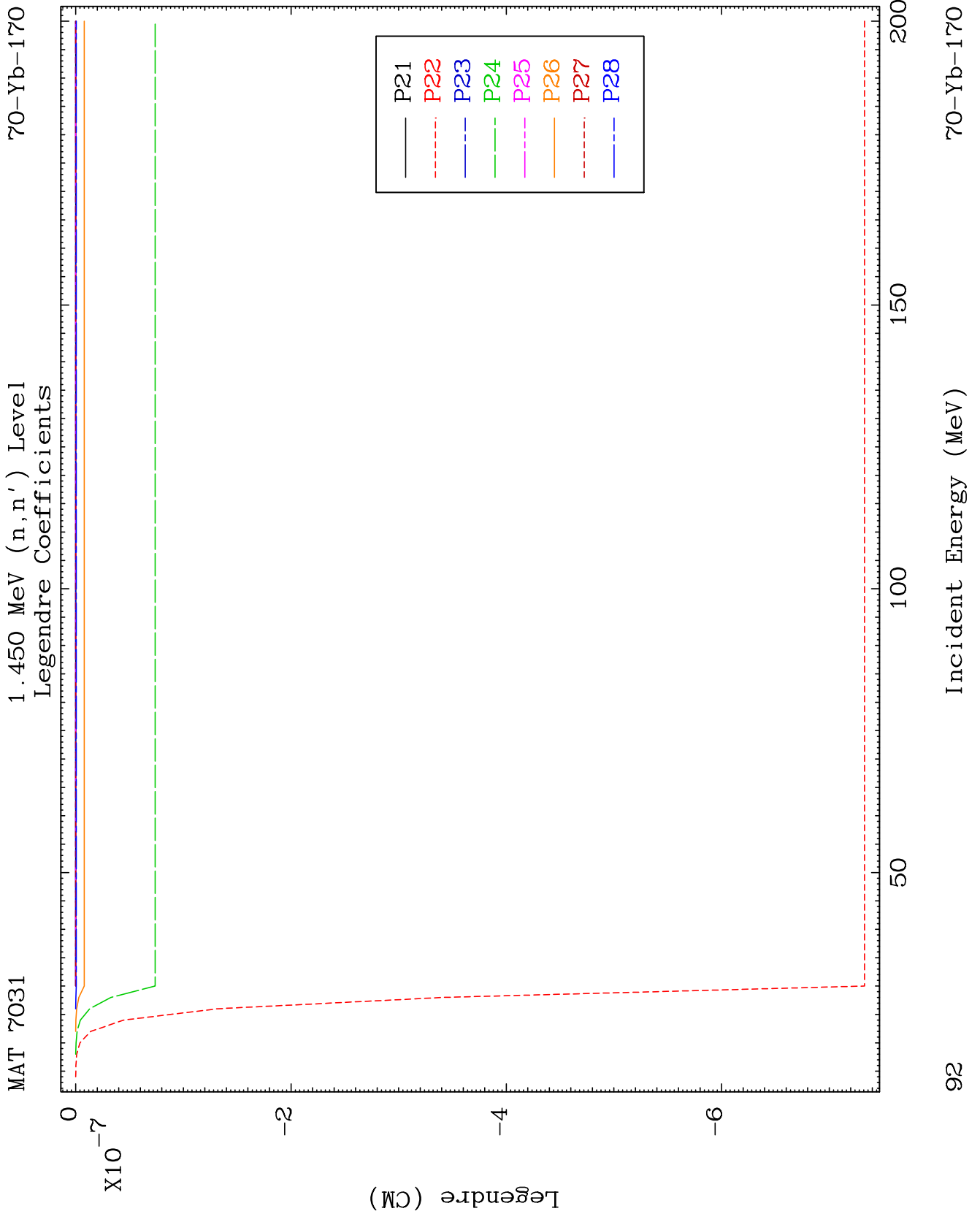
Incident Energy (MeV)

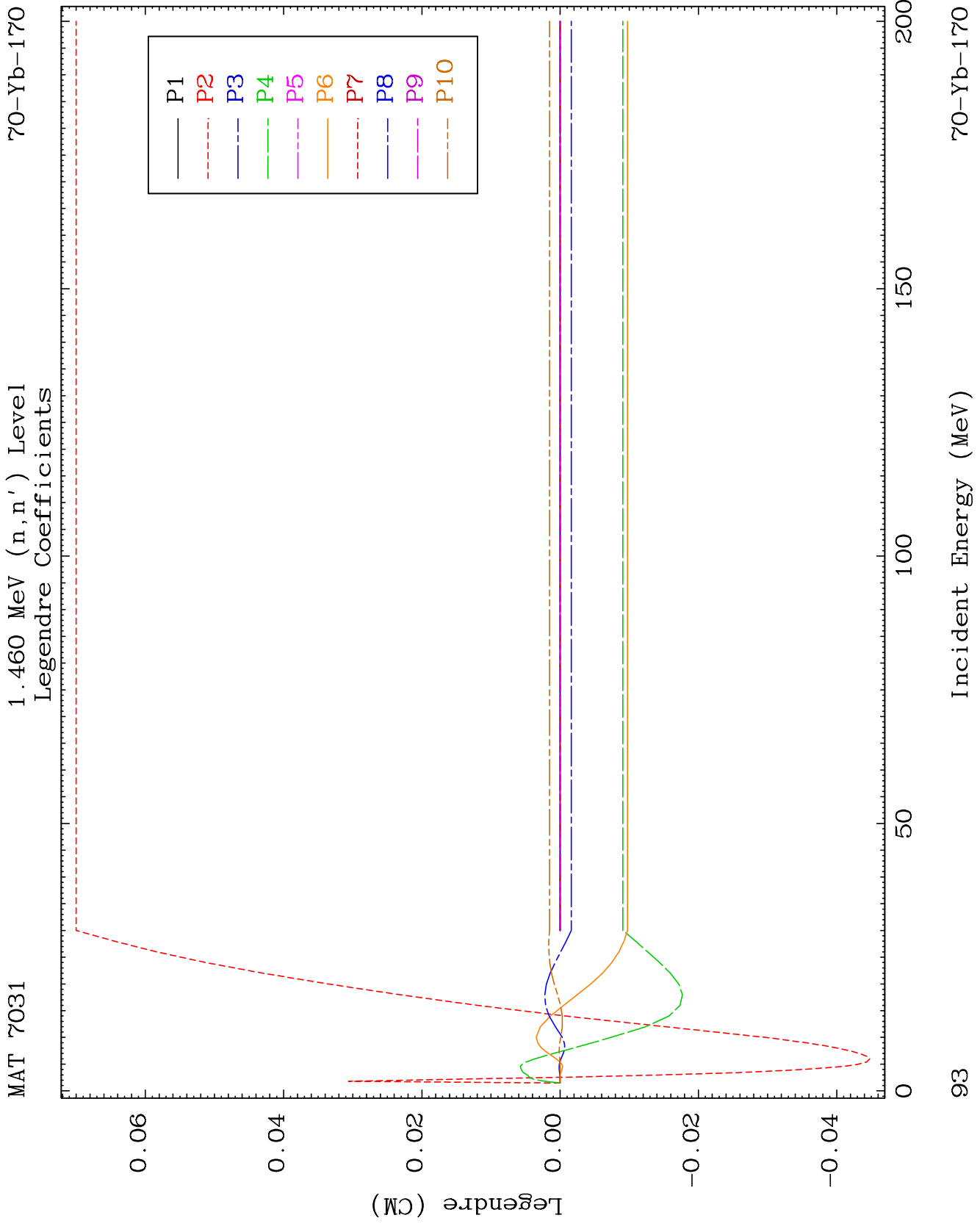
70-Yb-170

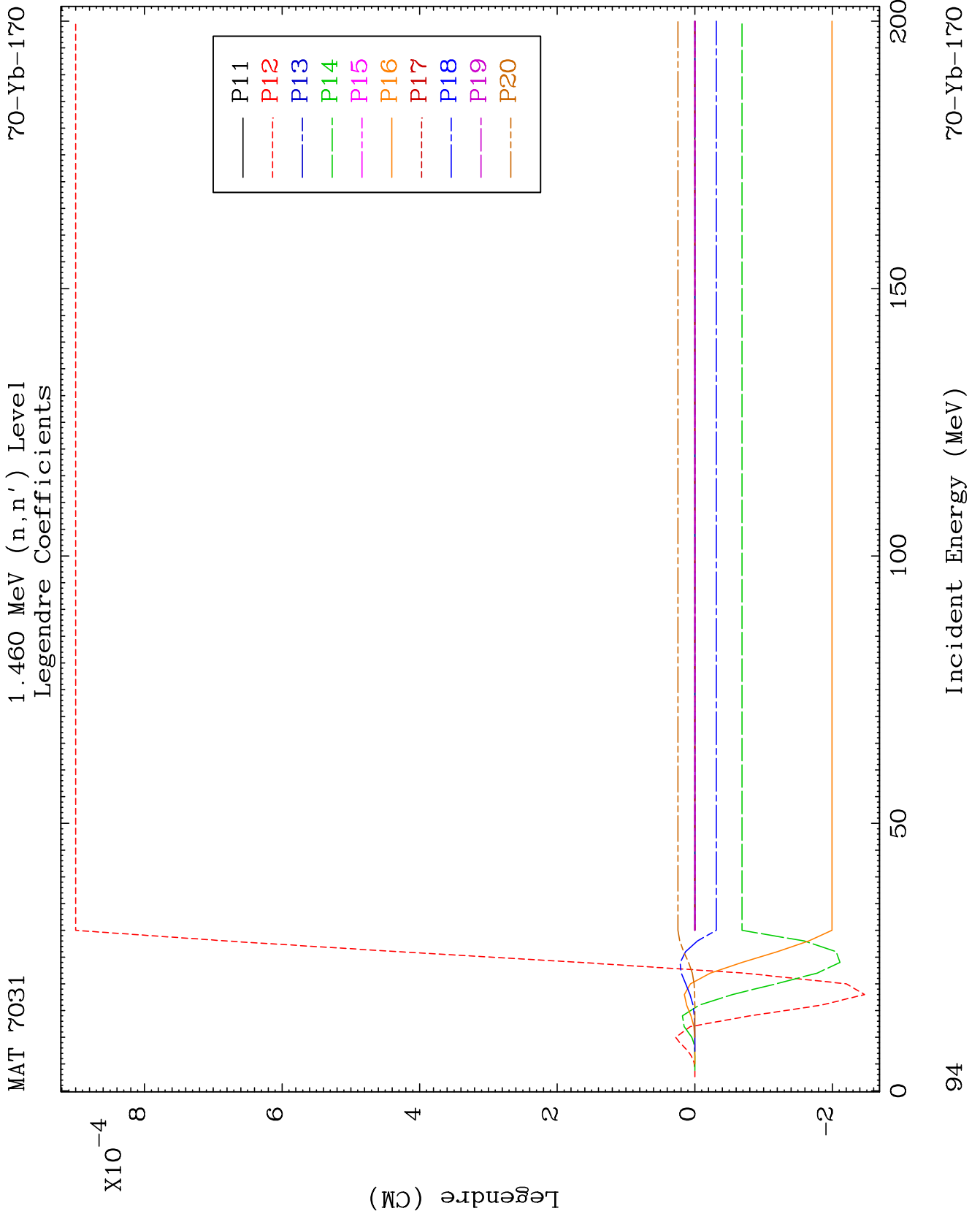


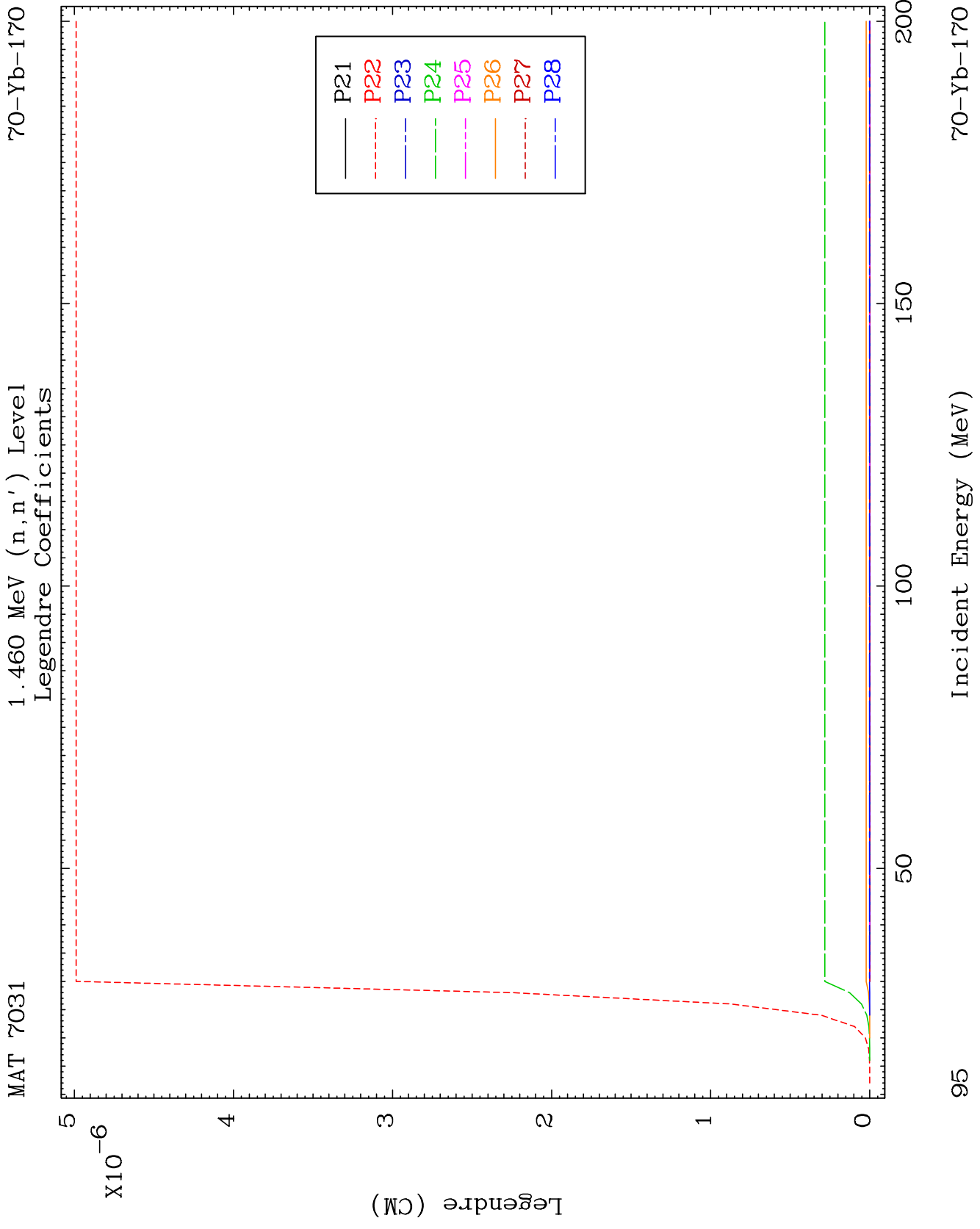


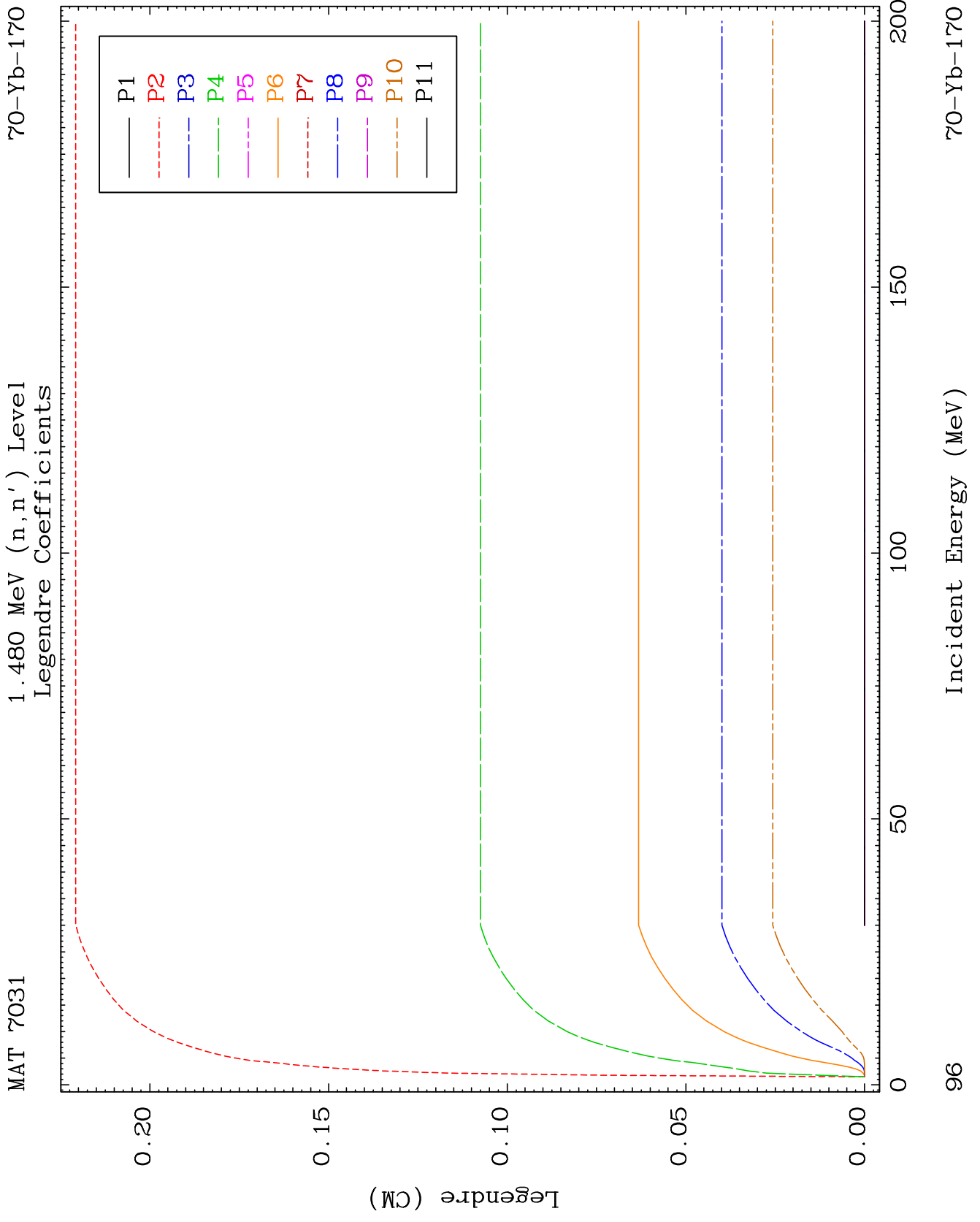








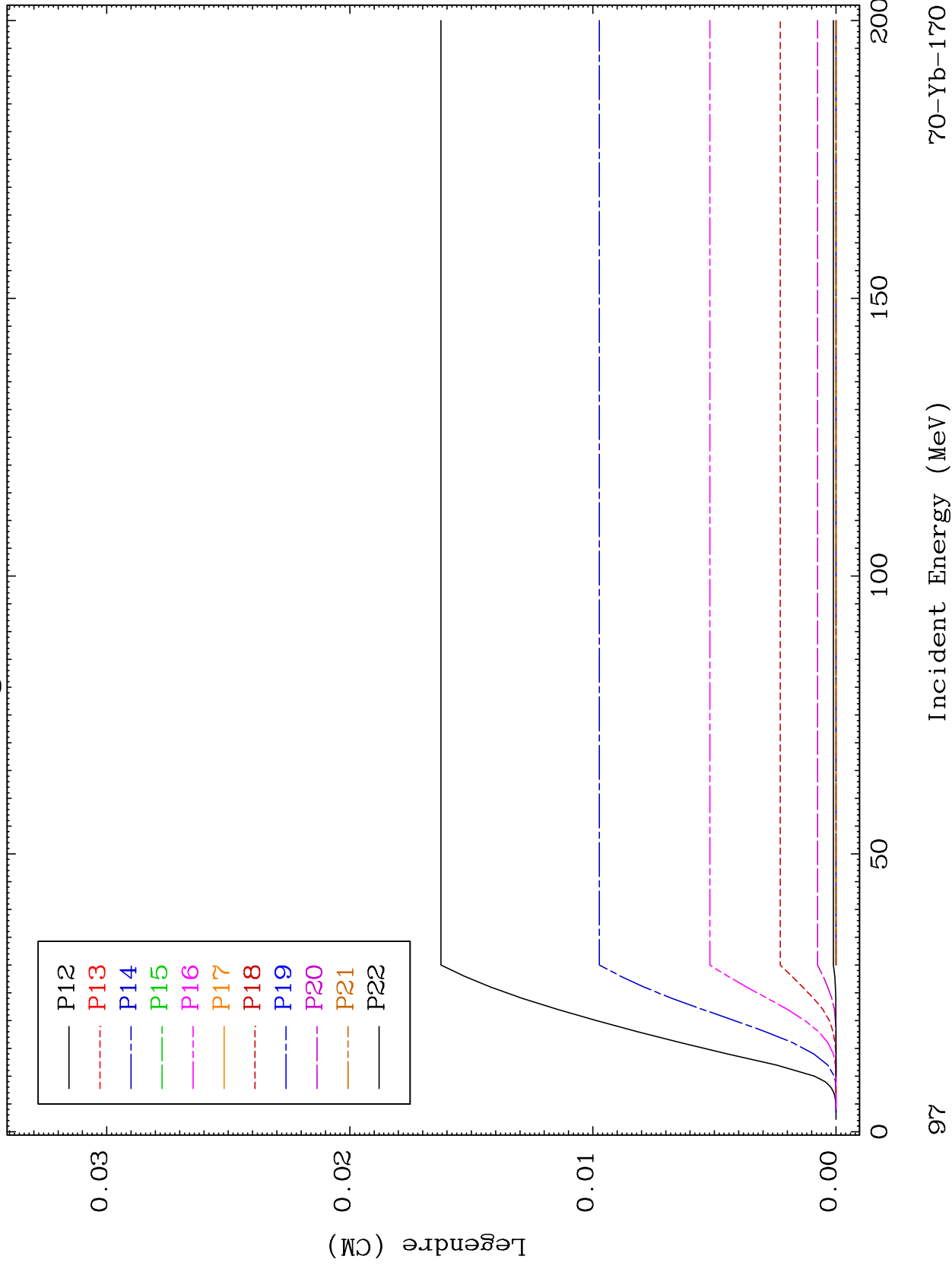




MAT 7031

1.480 MeV (n, n') Level
Legendre Coefficients

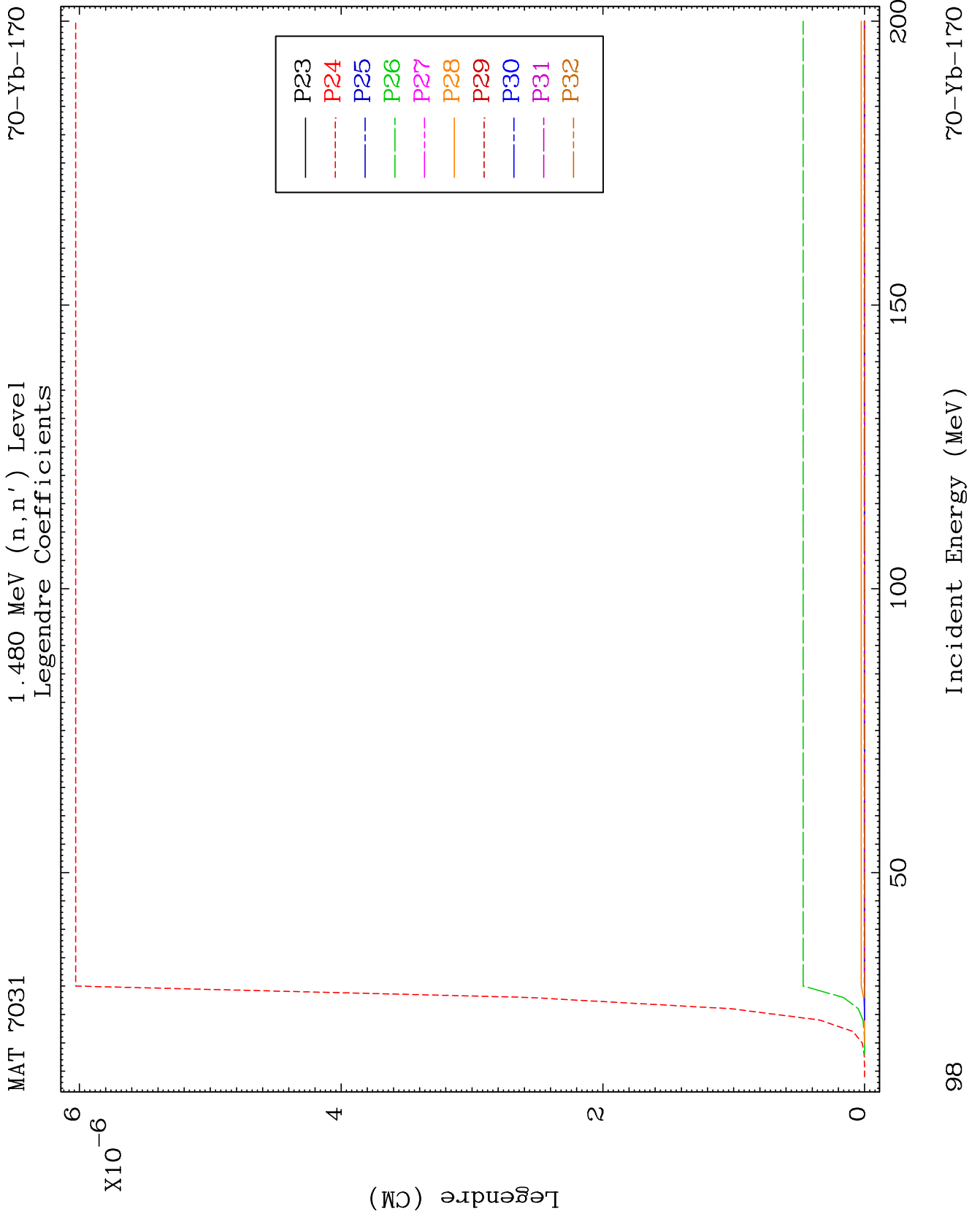
70-Yb-170

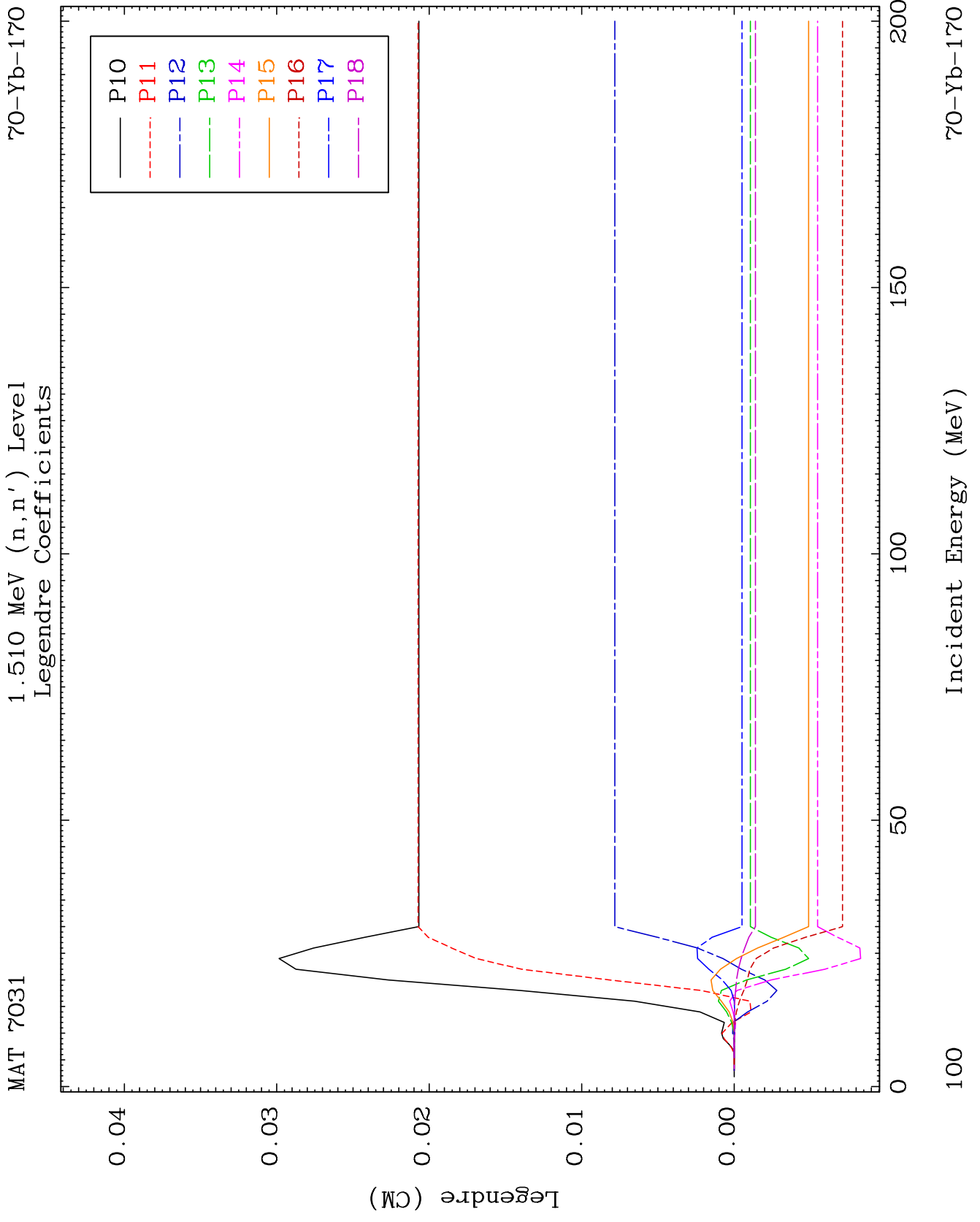


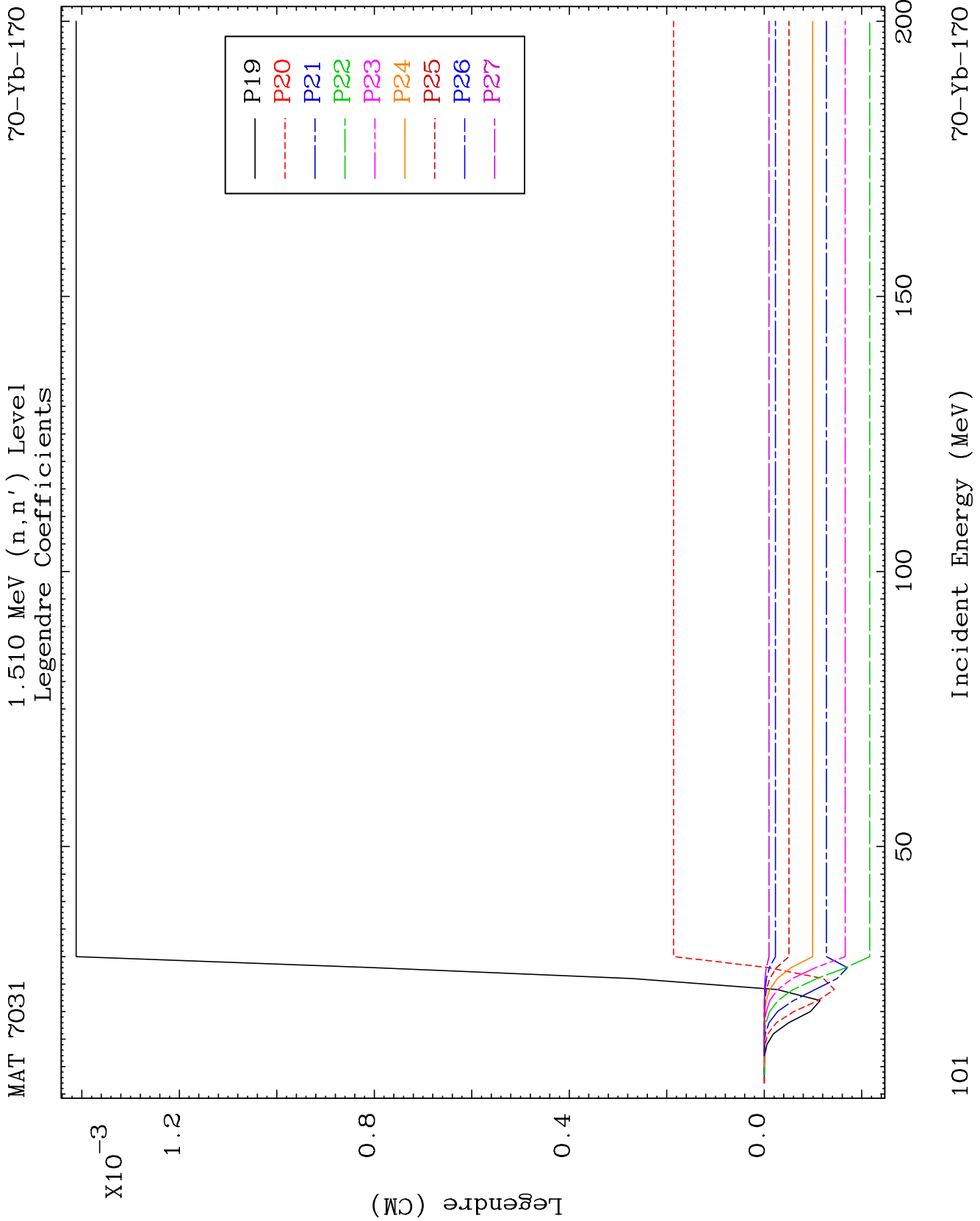
97

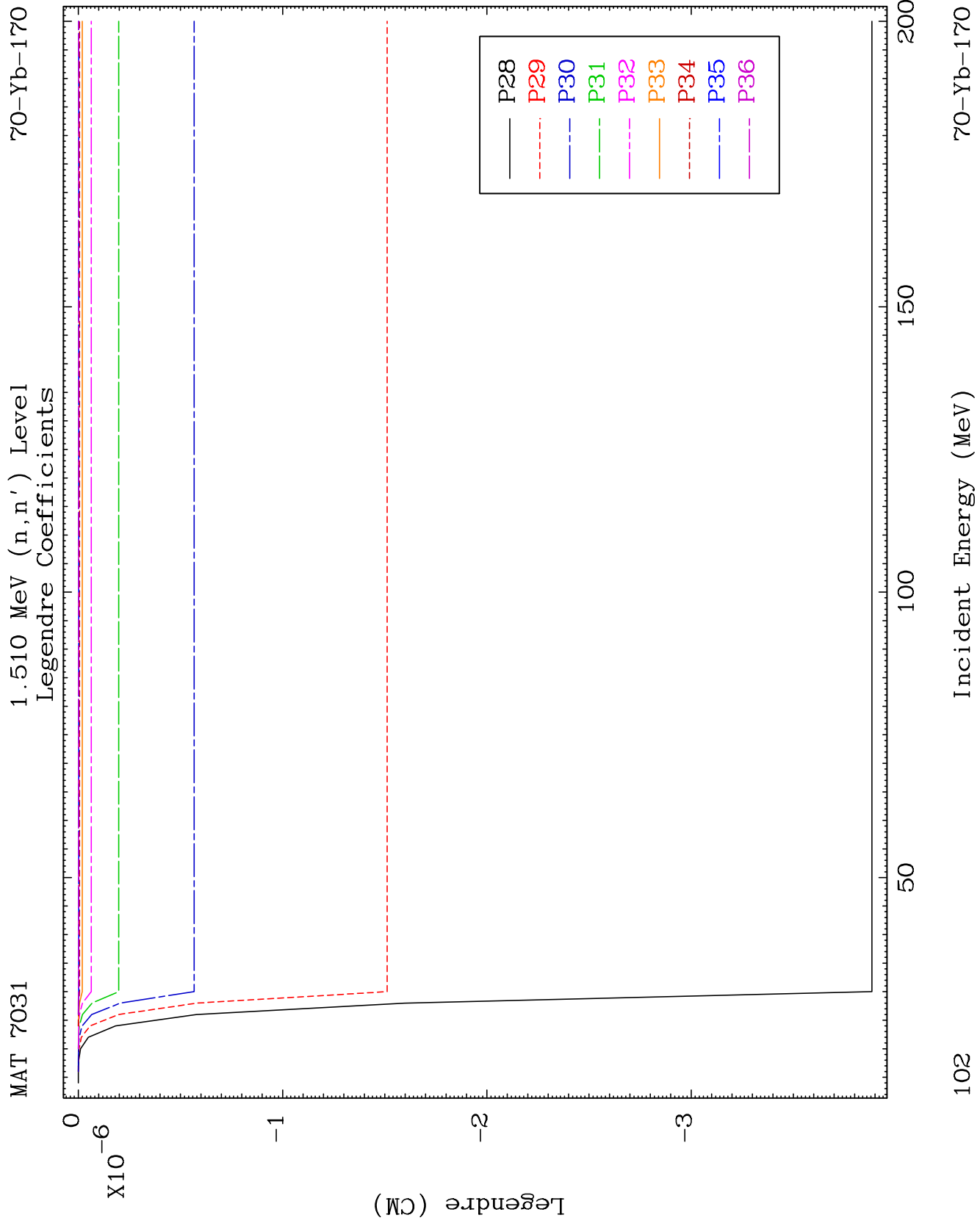
Incident Energy (MeV)

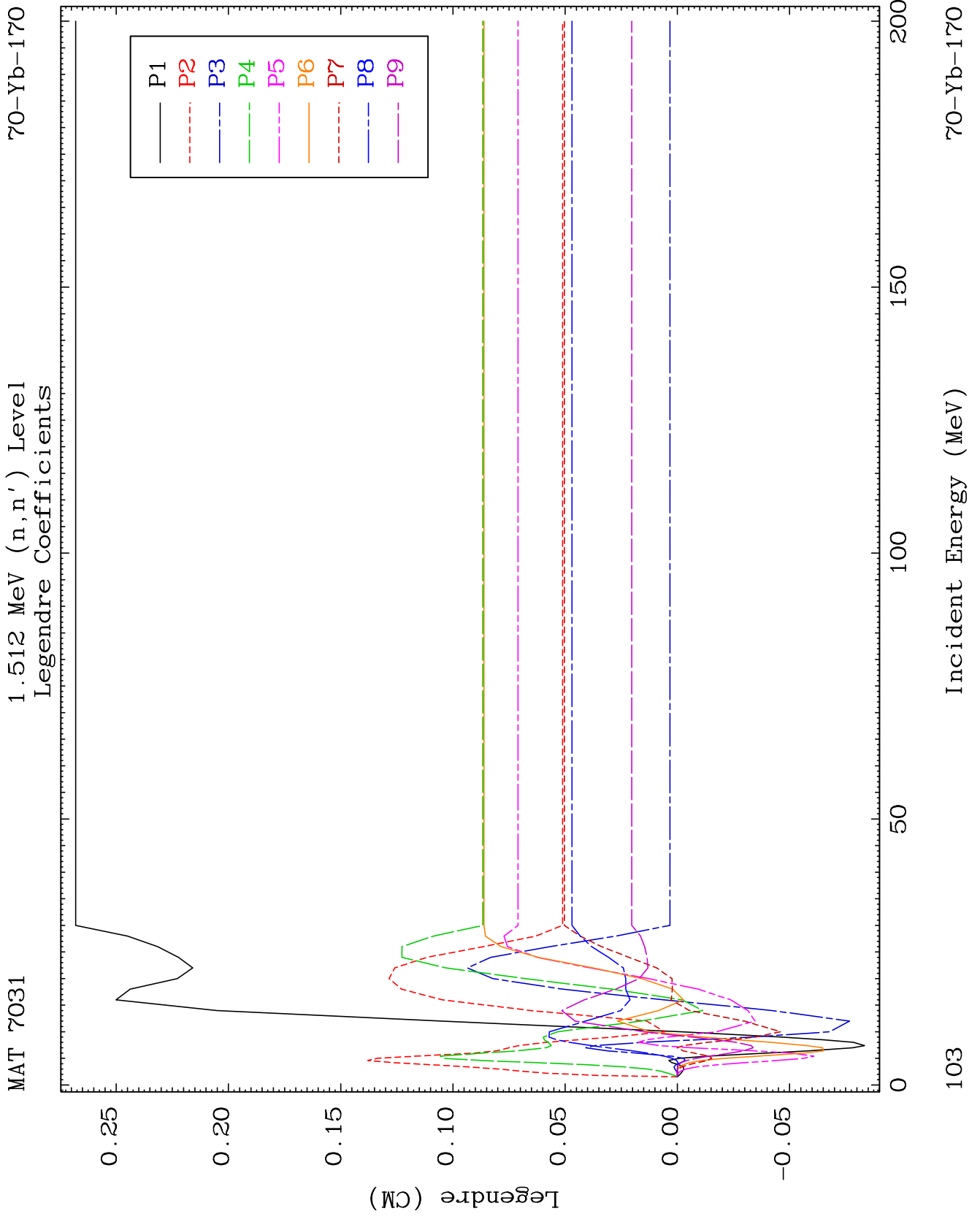
70-Yb-170

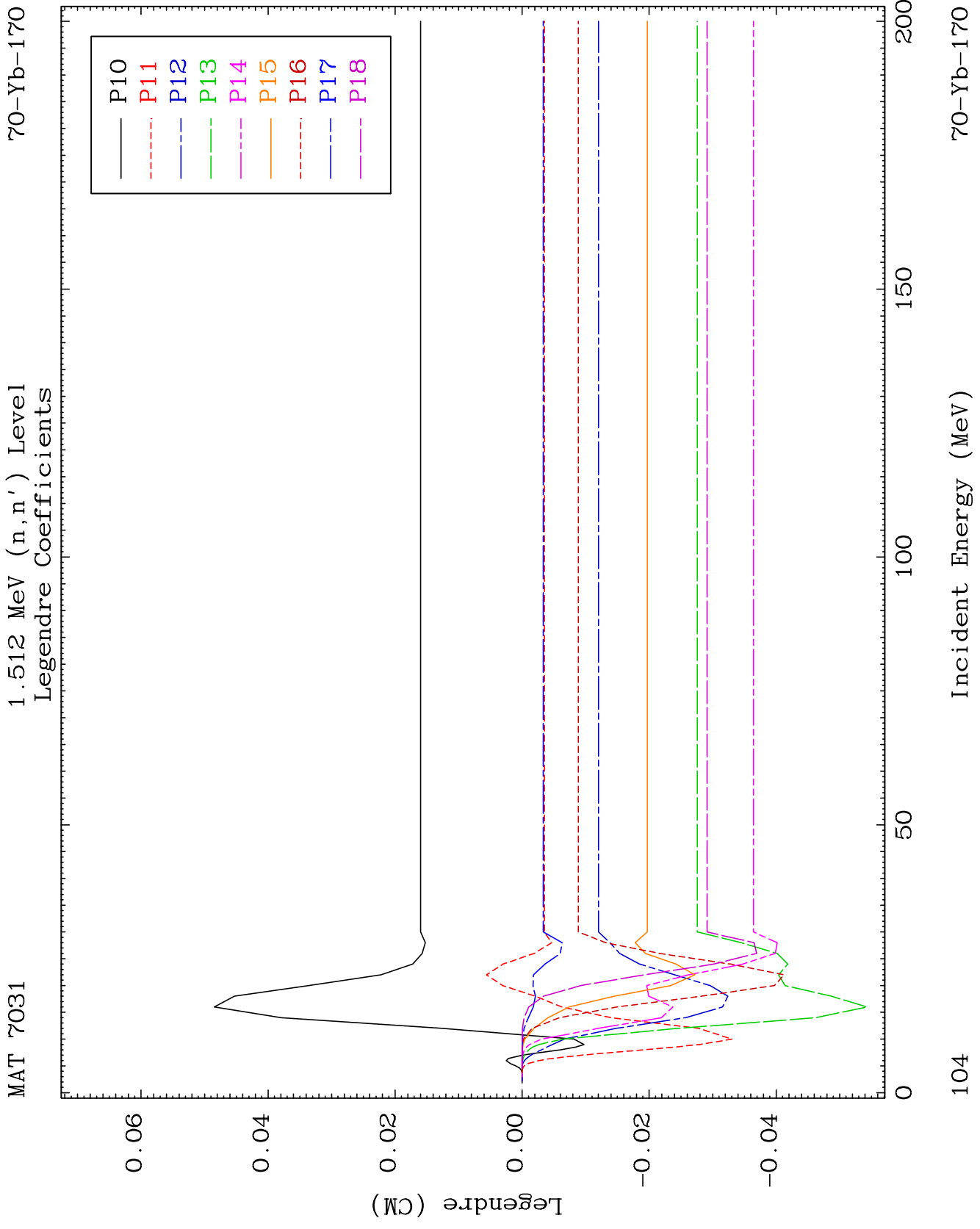


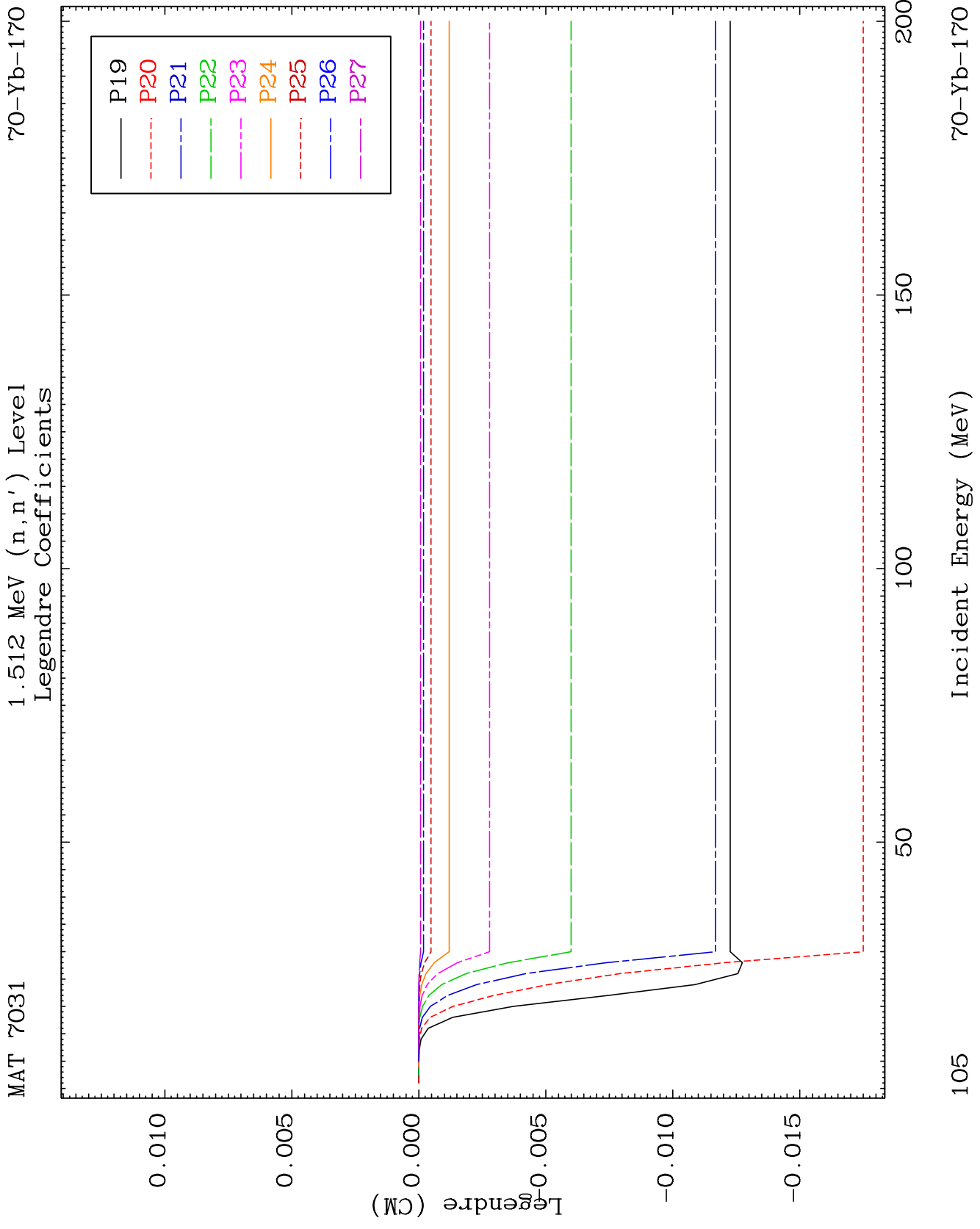


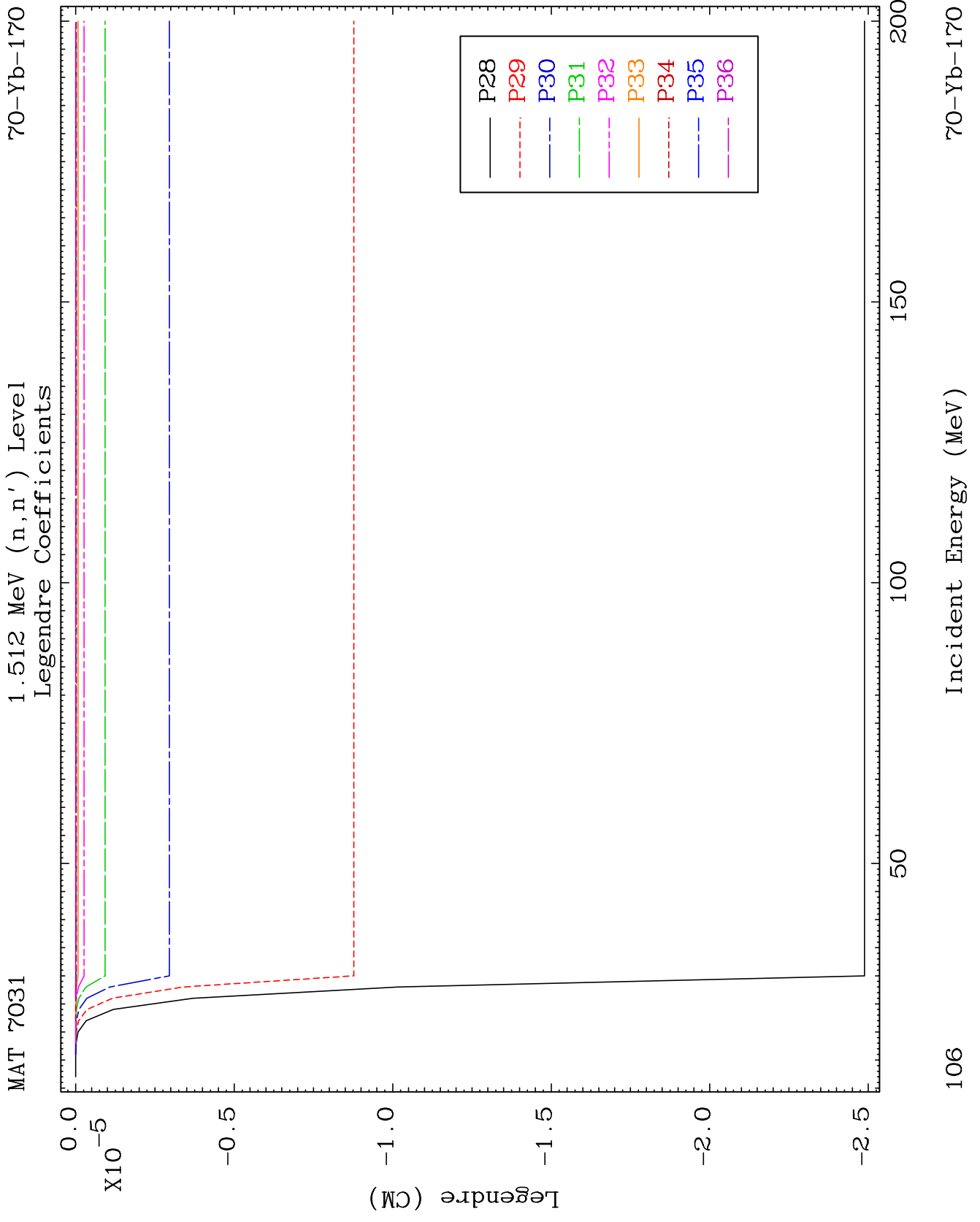


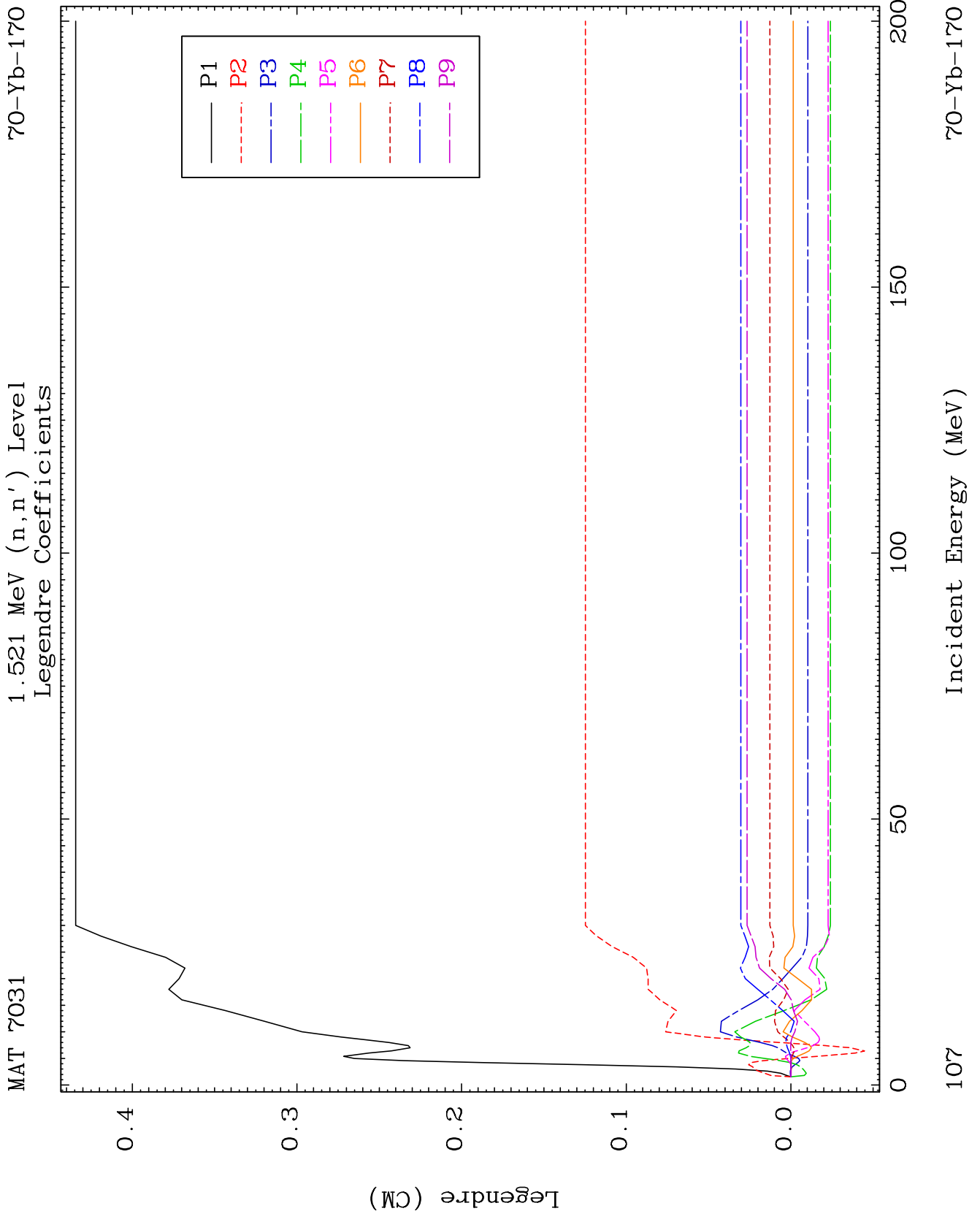


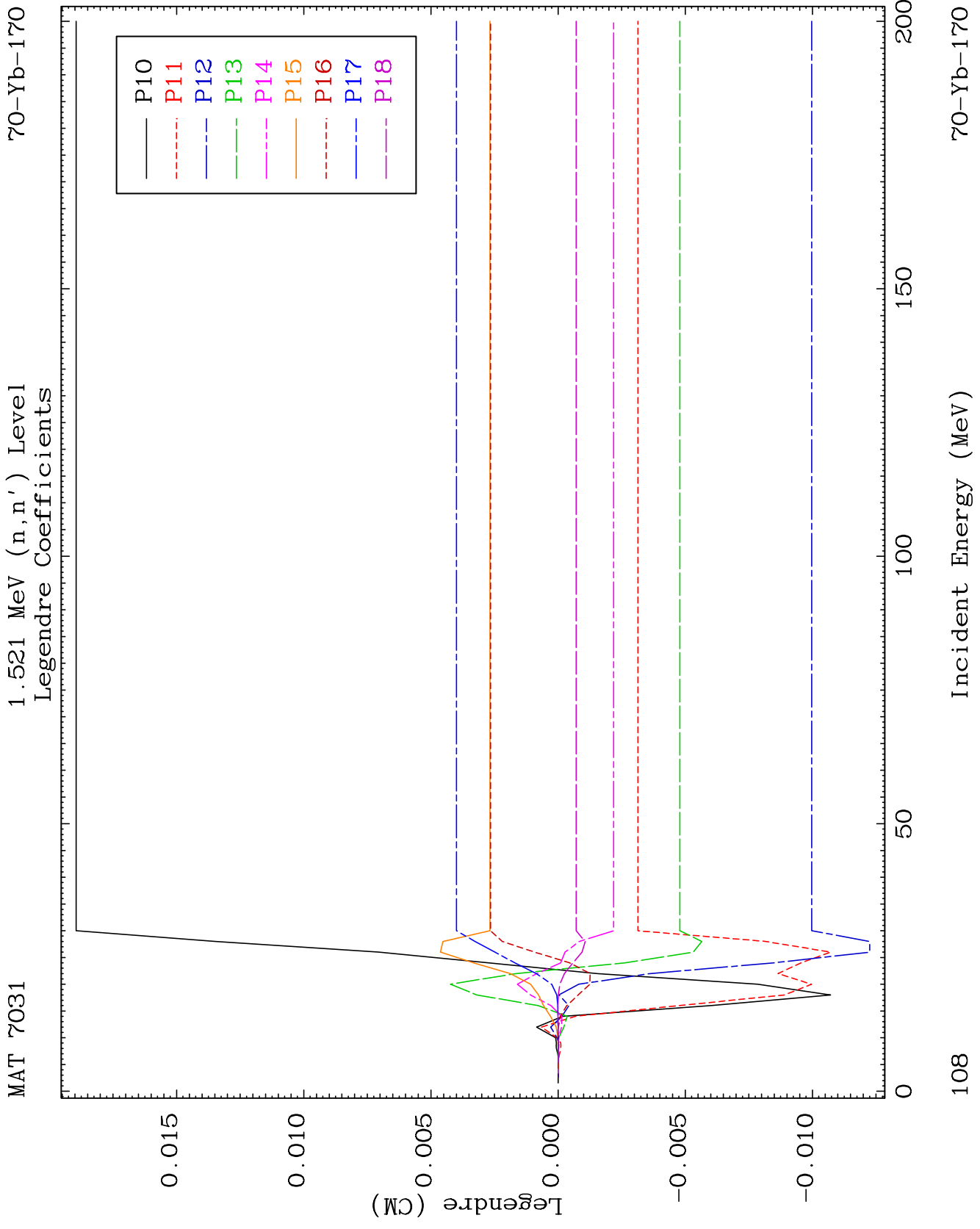


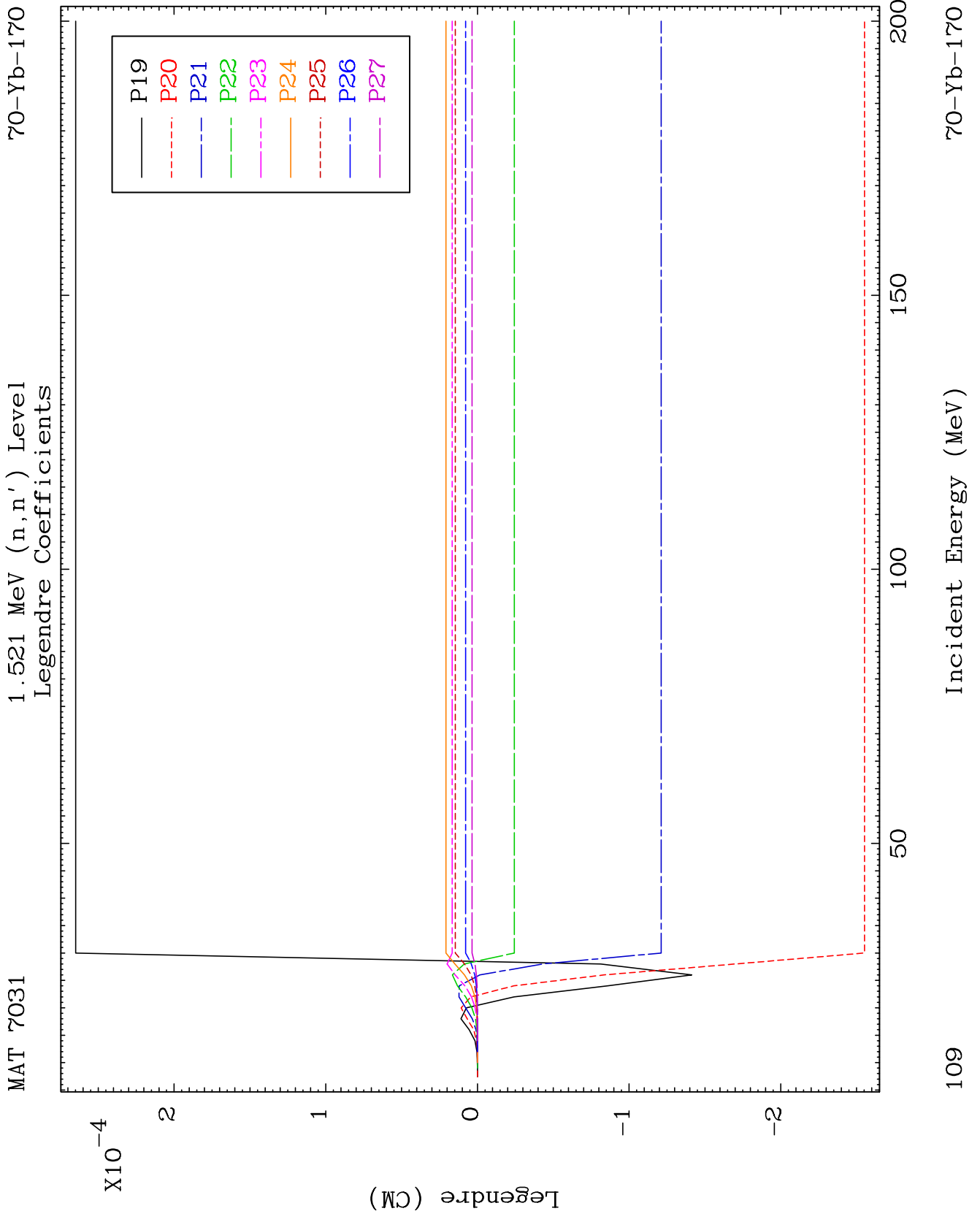


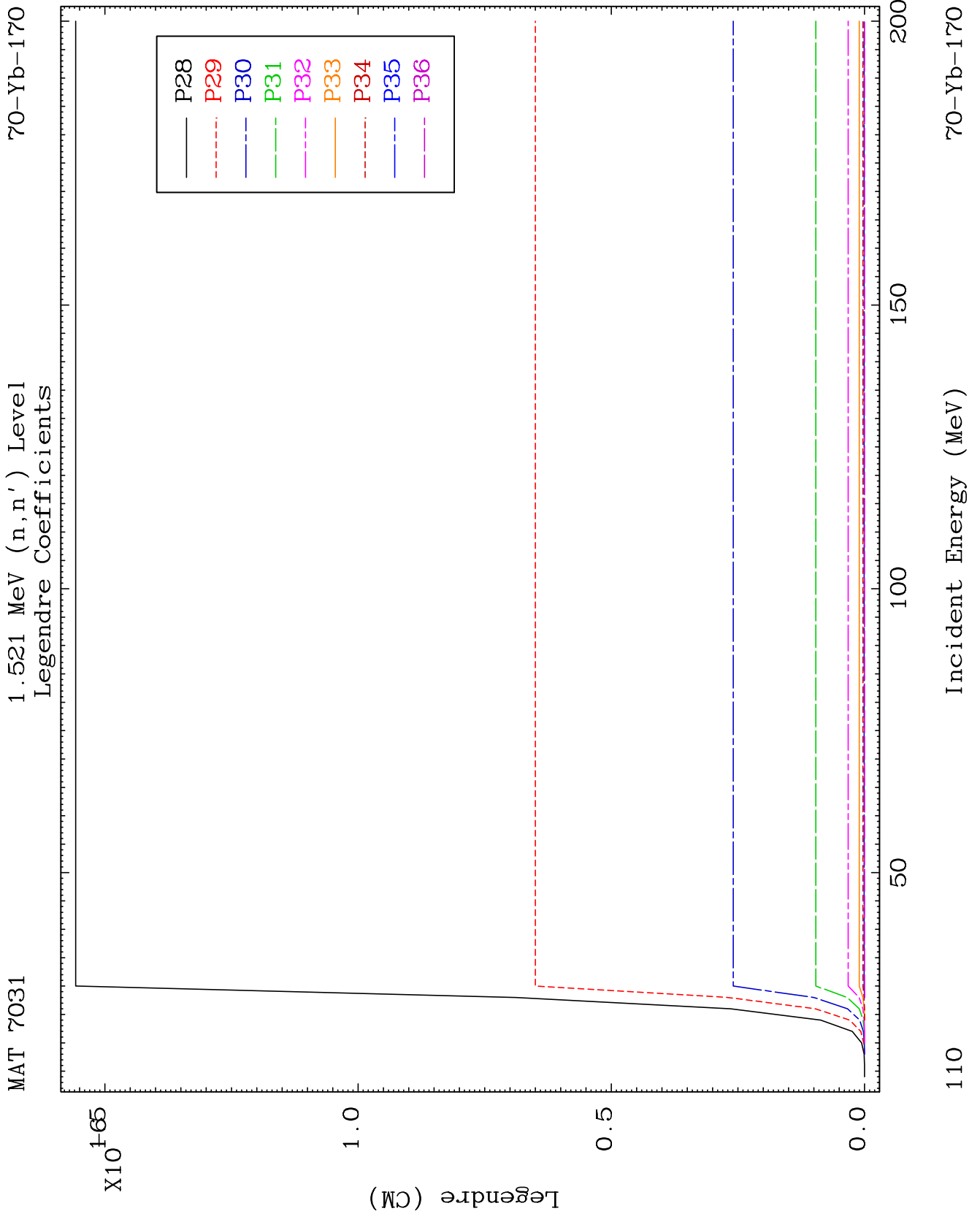


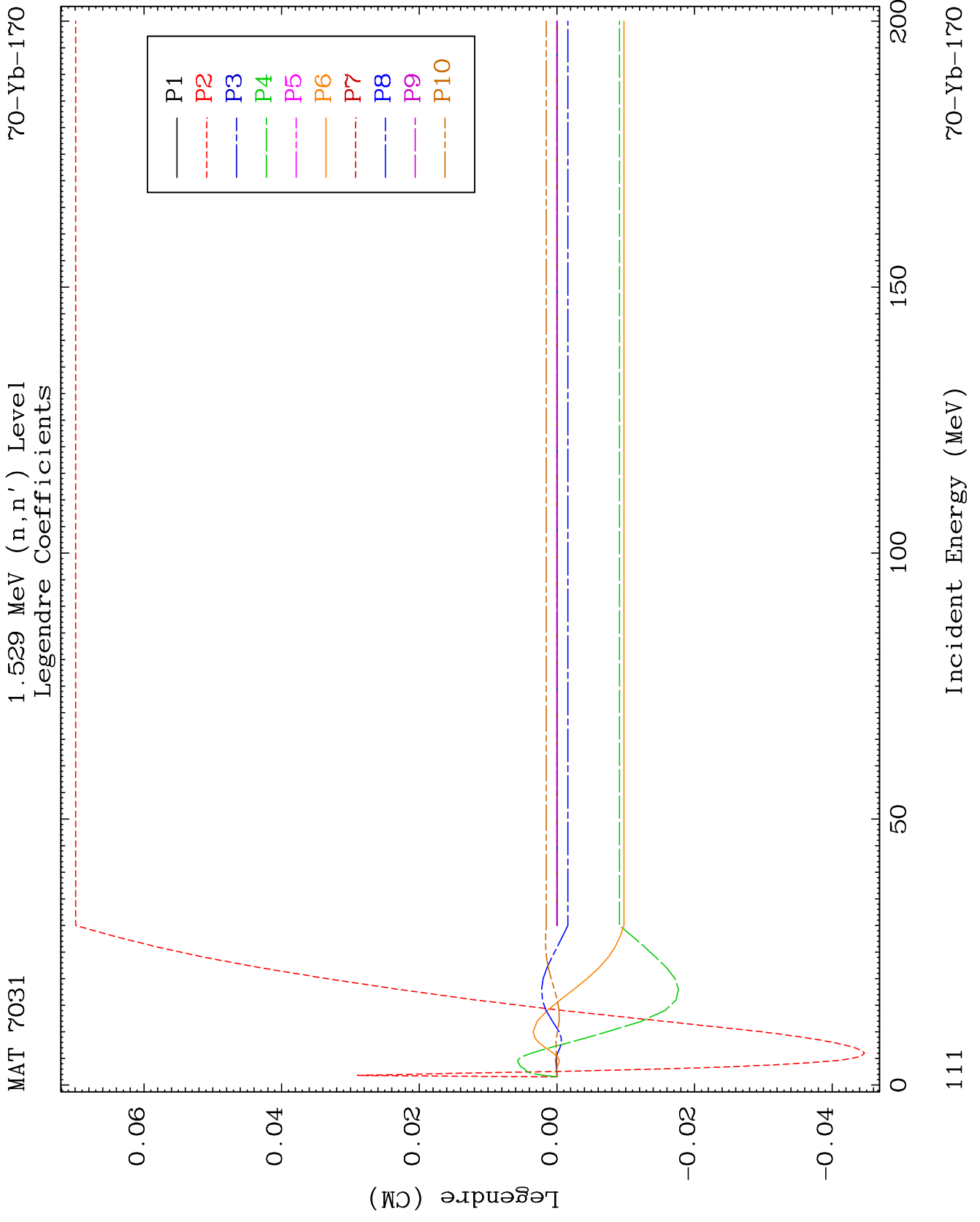


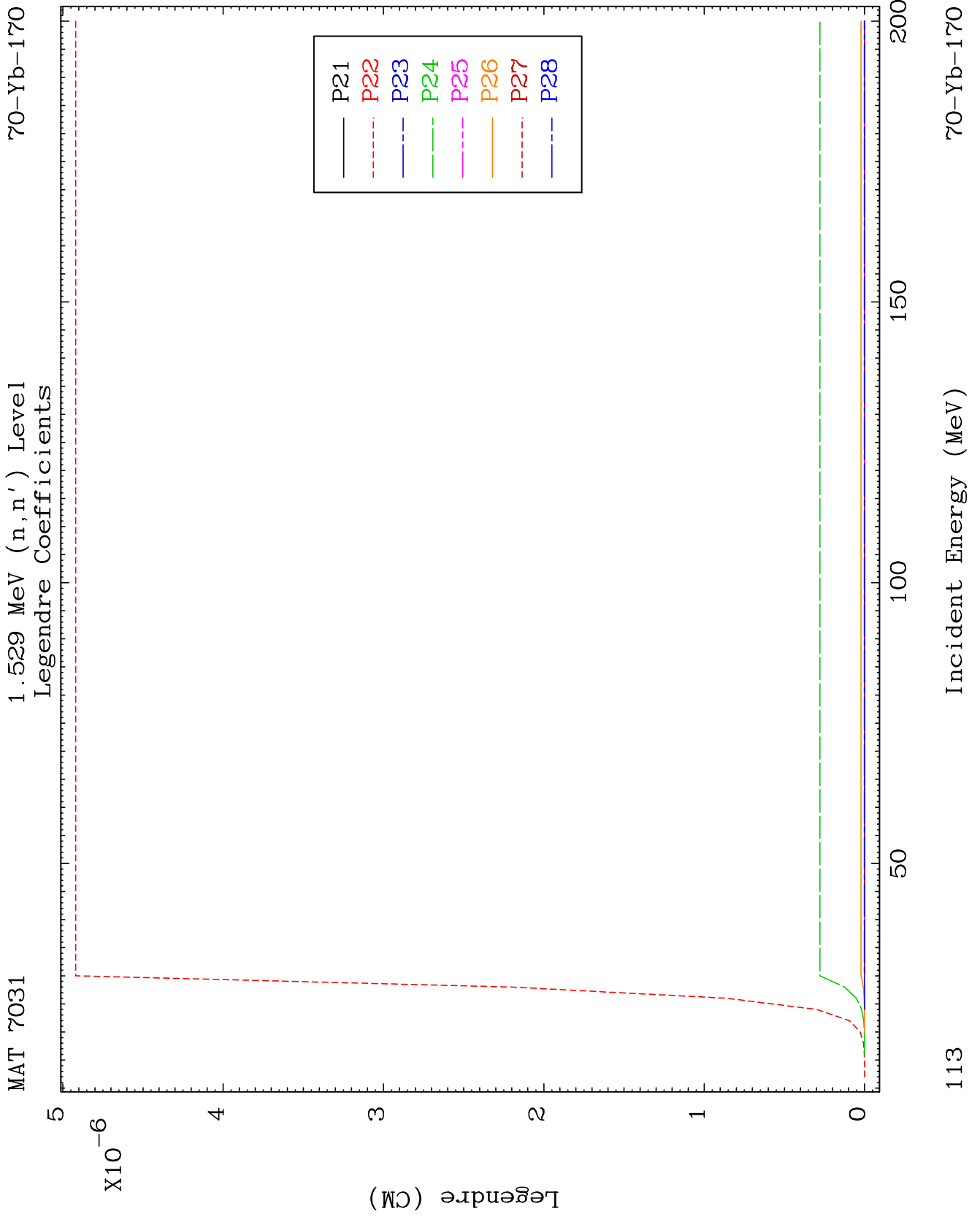








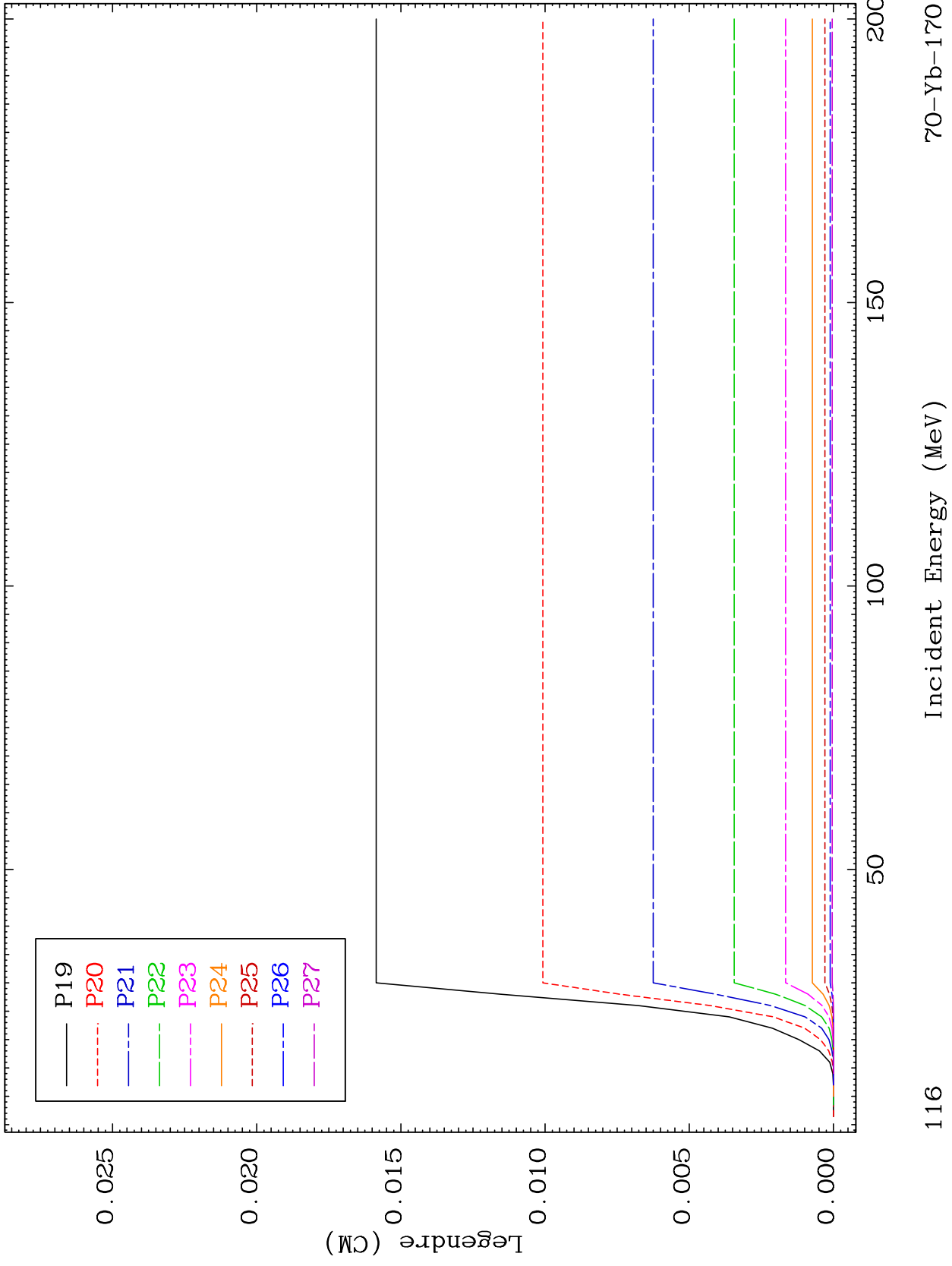




MAT 7031

1.535 MeV (n,n') Level
Legendre Coefficients

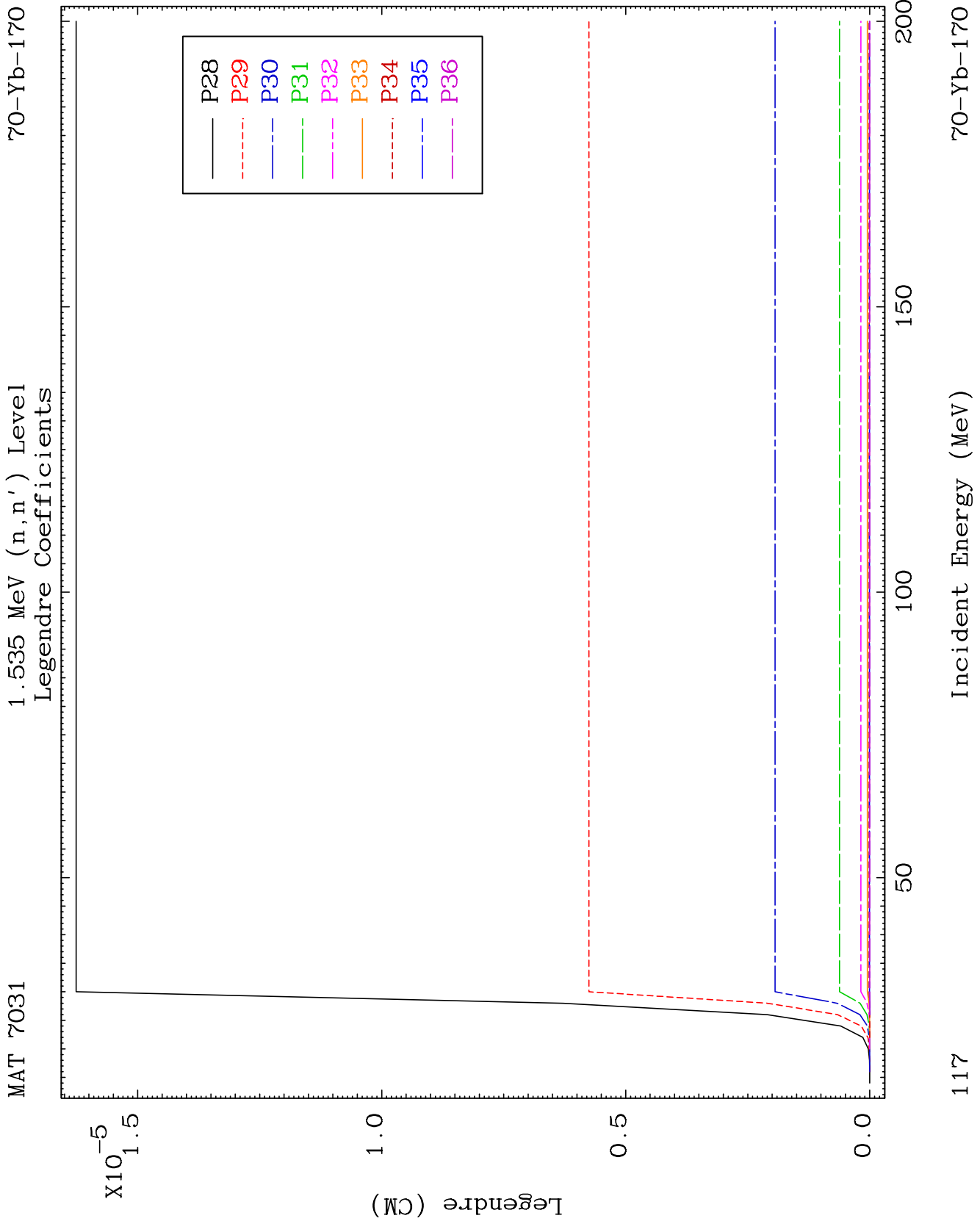
70-Yb-170

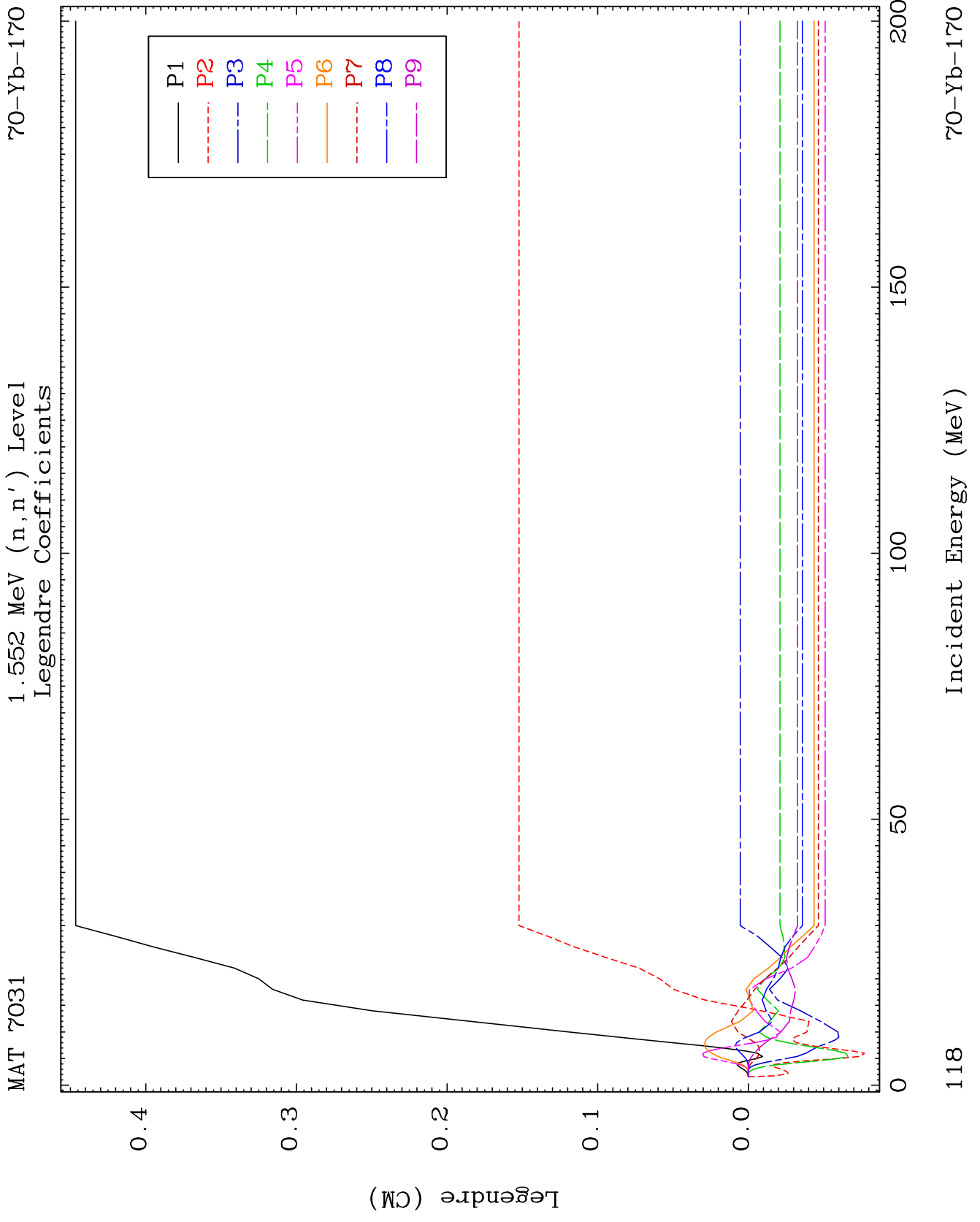


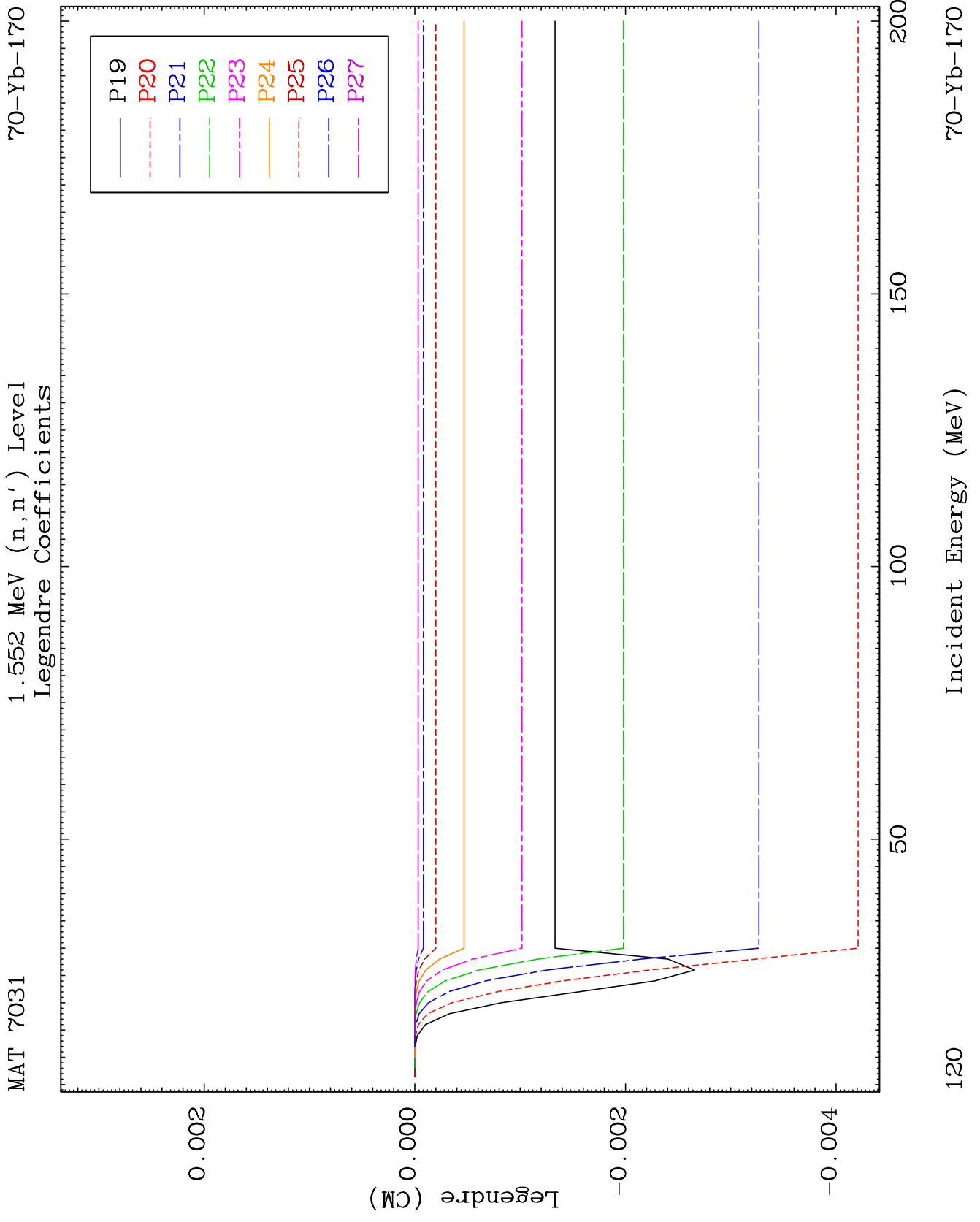
116

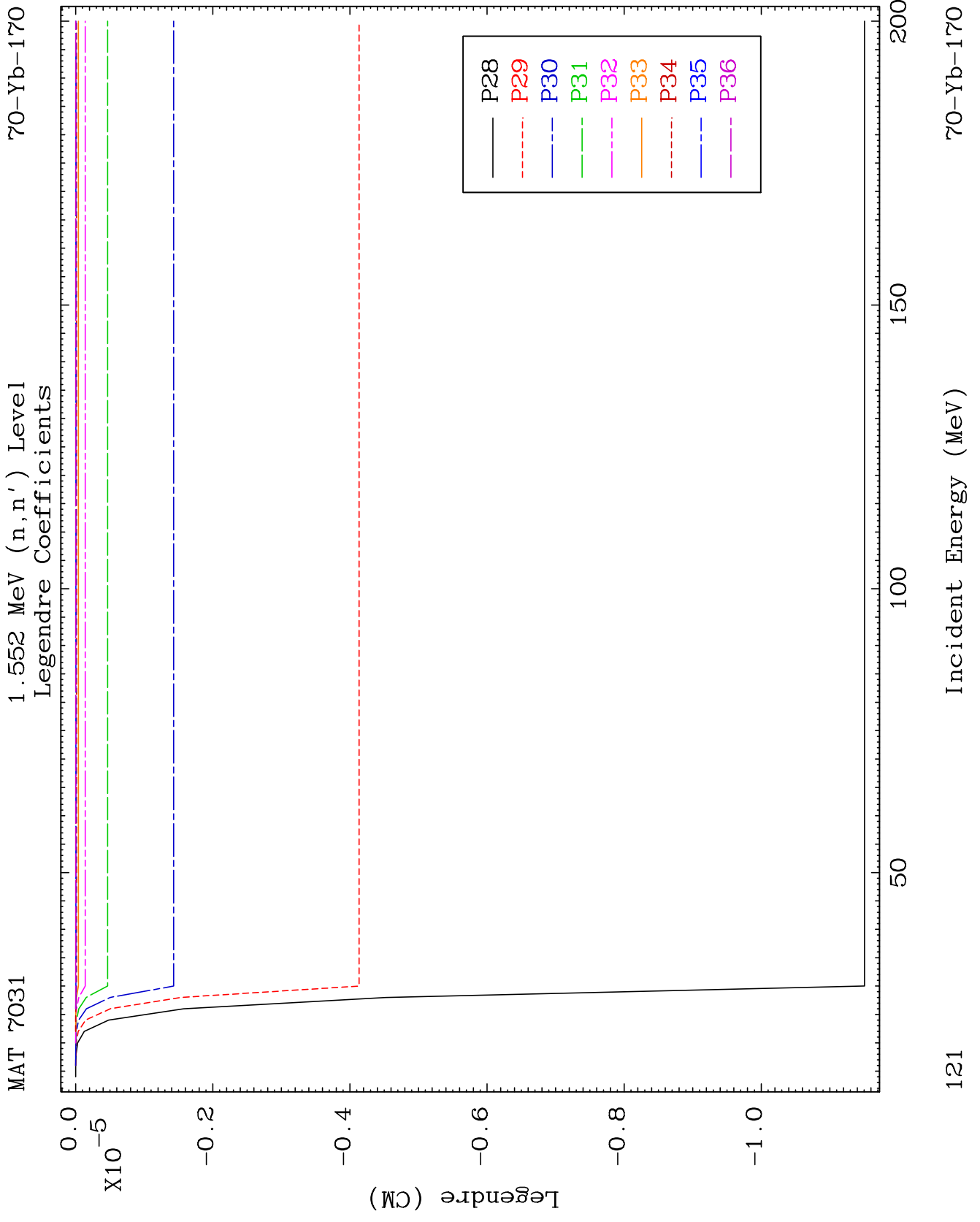
Incident Energy (MeV)

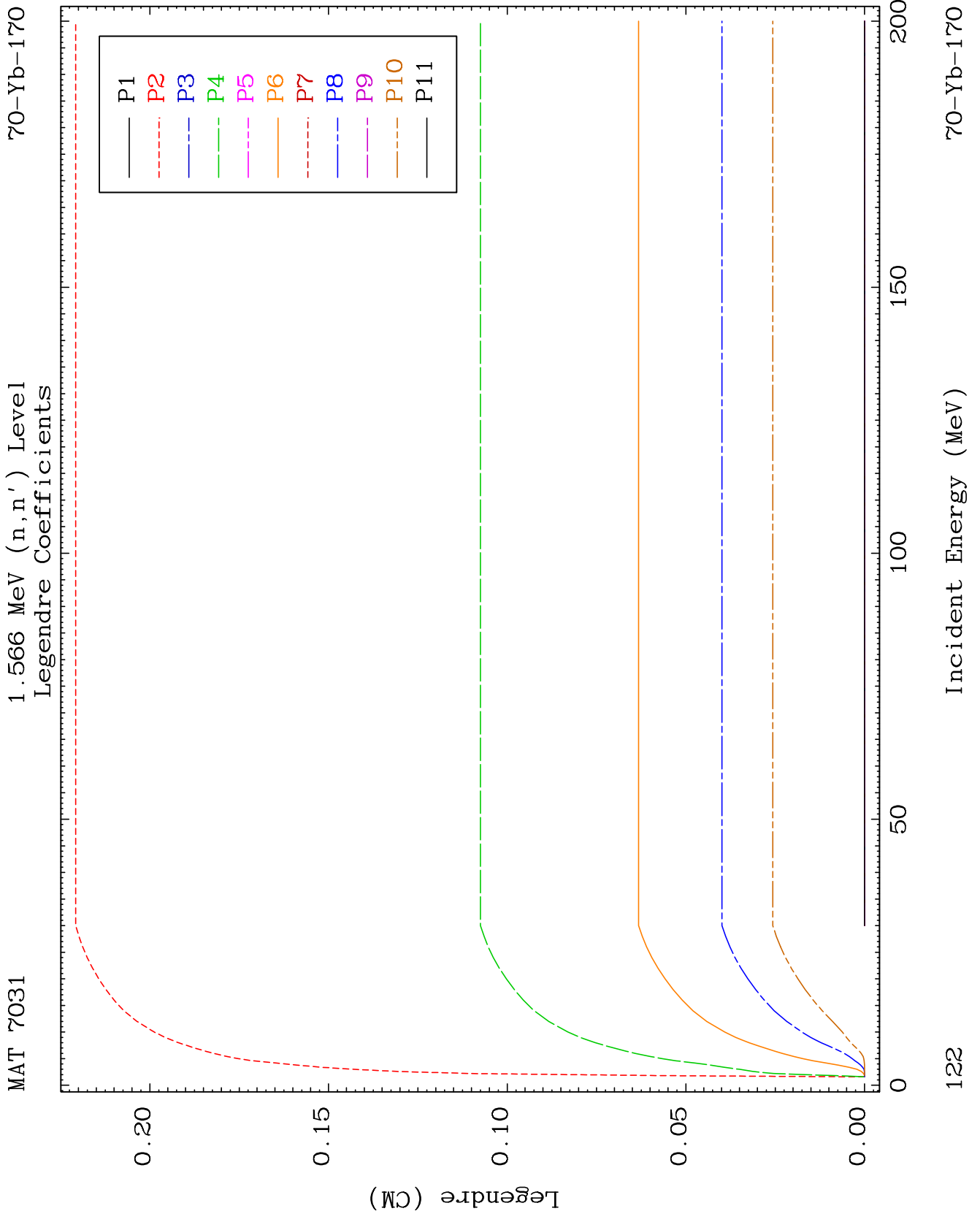
70-Yb-170







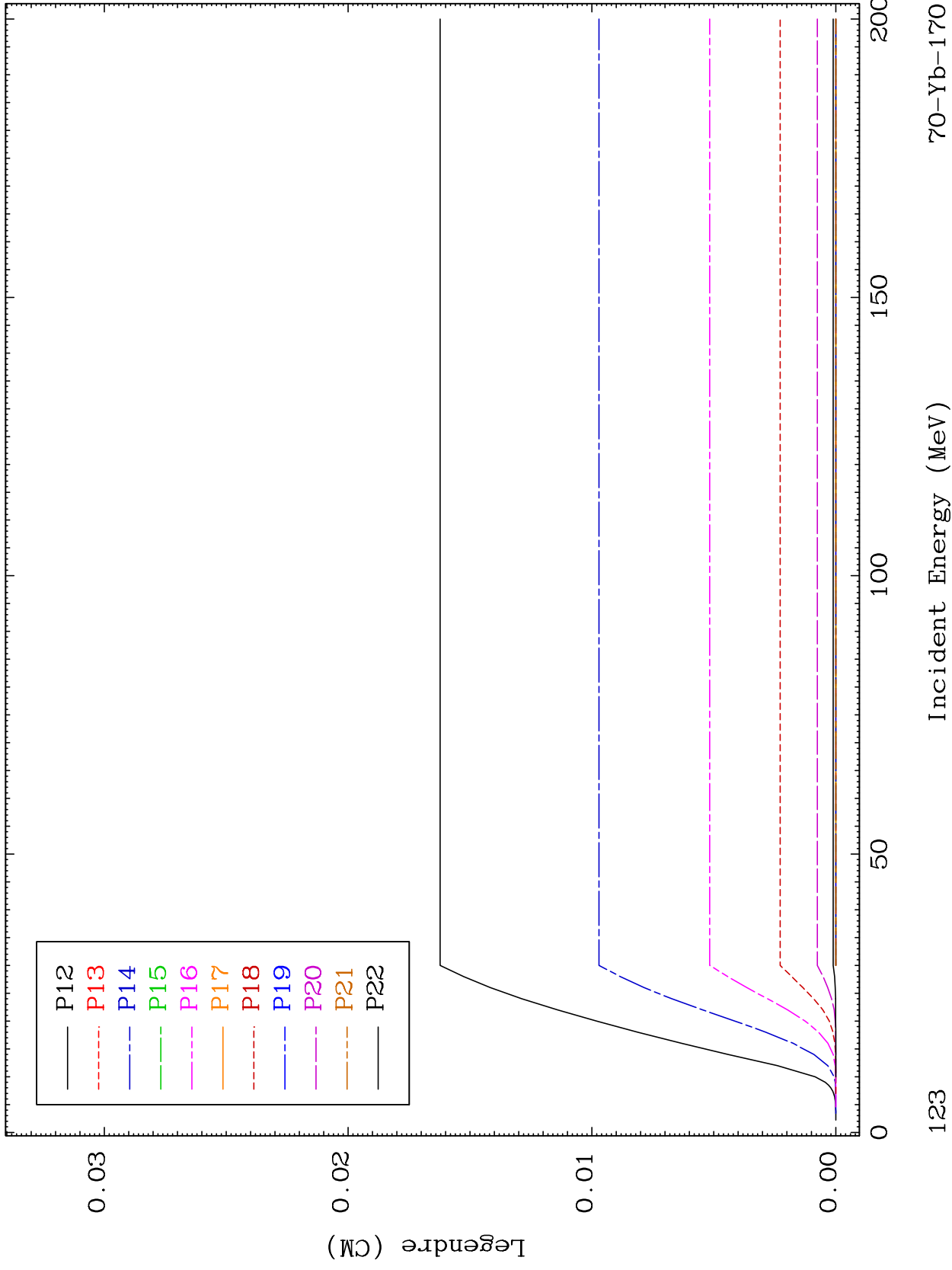




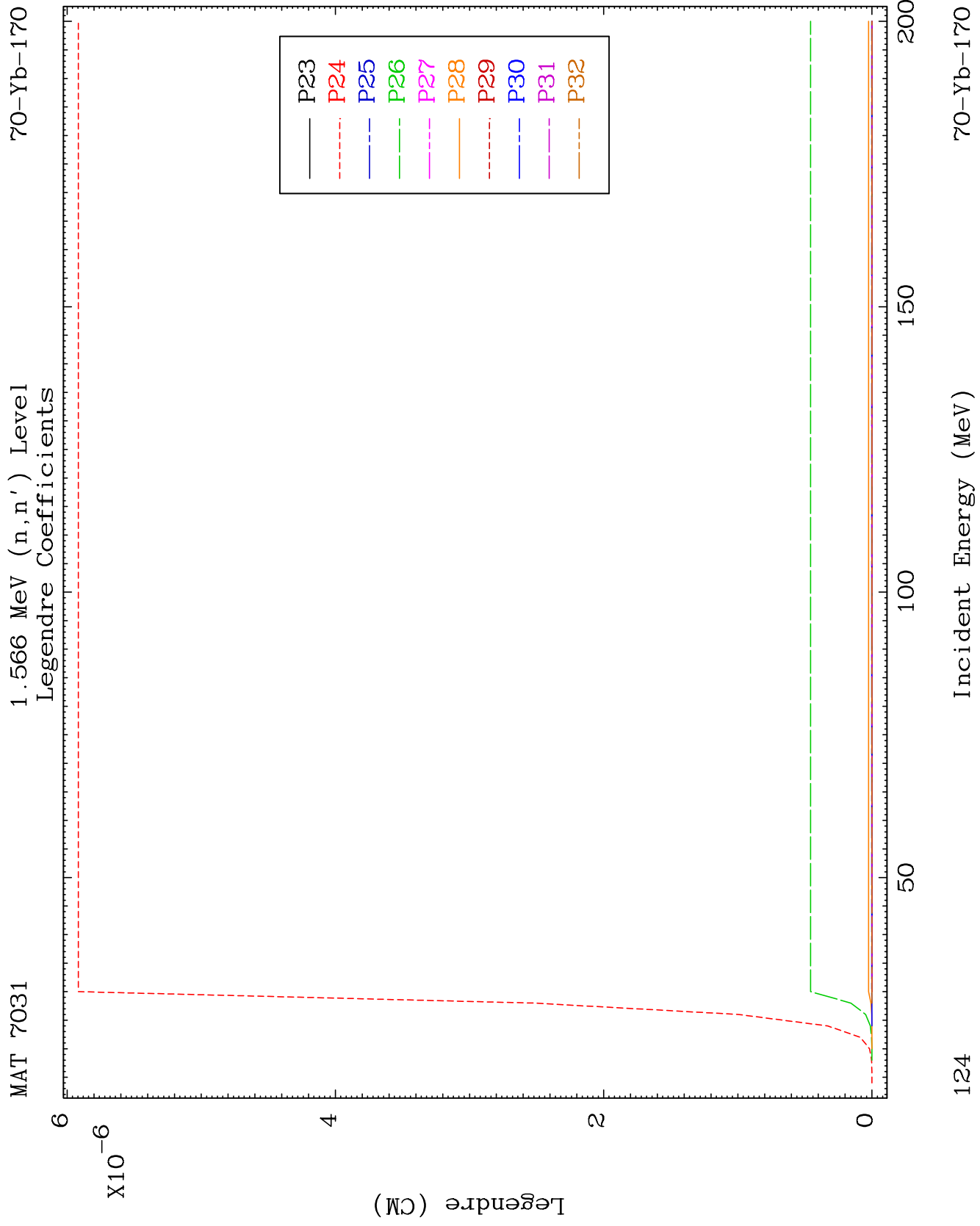
MAT 7031

1.566 MeV (n, n') Level
Legendre Coefficients

70-Yb-170



123

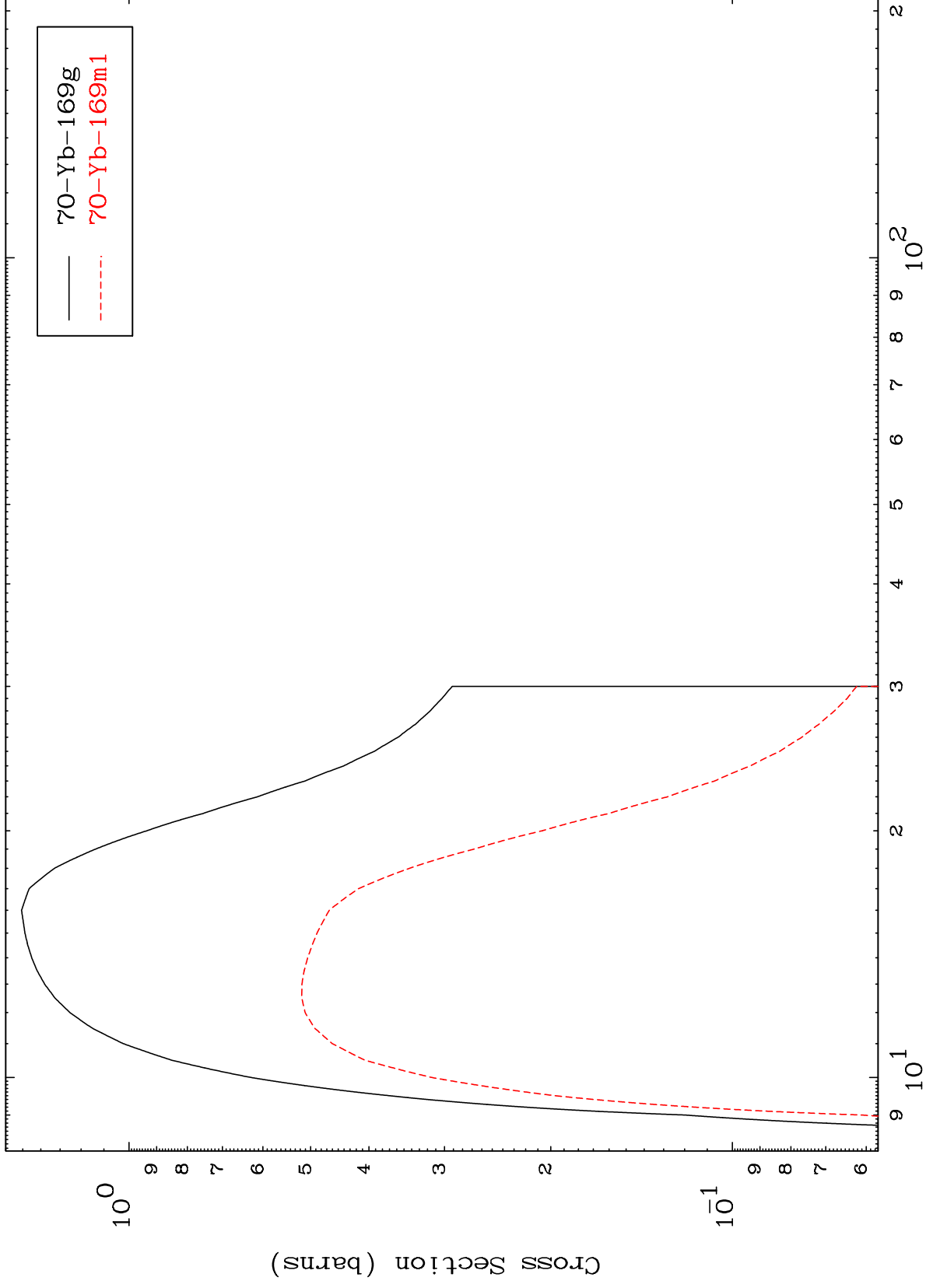


MAT 7031

(n,2n)

⁷⁰Yb-170

Radionuclide Production Cross Section

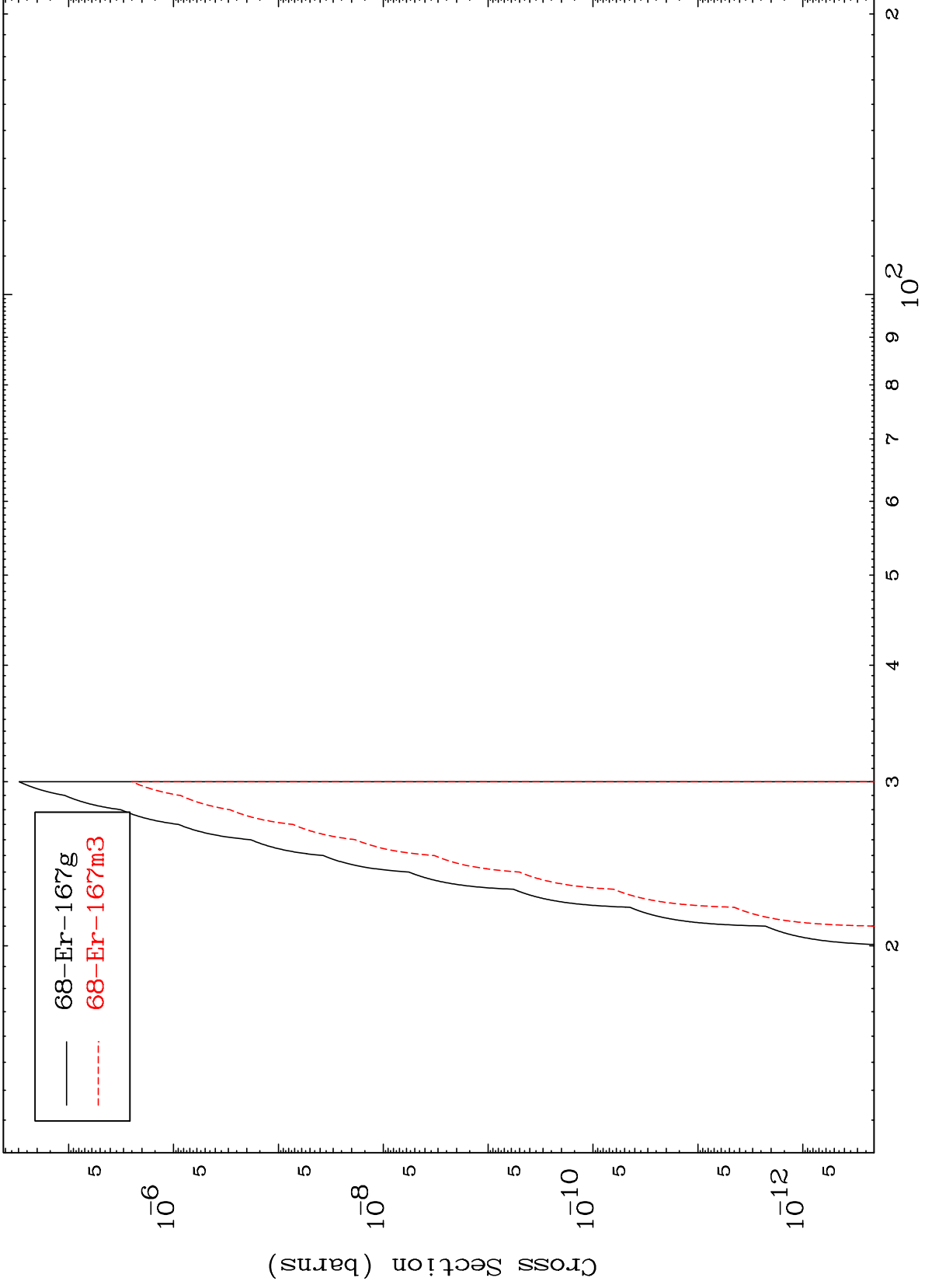


125

Incident Energy (MeV)

⁷⁰Yb-170

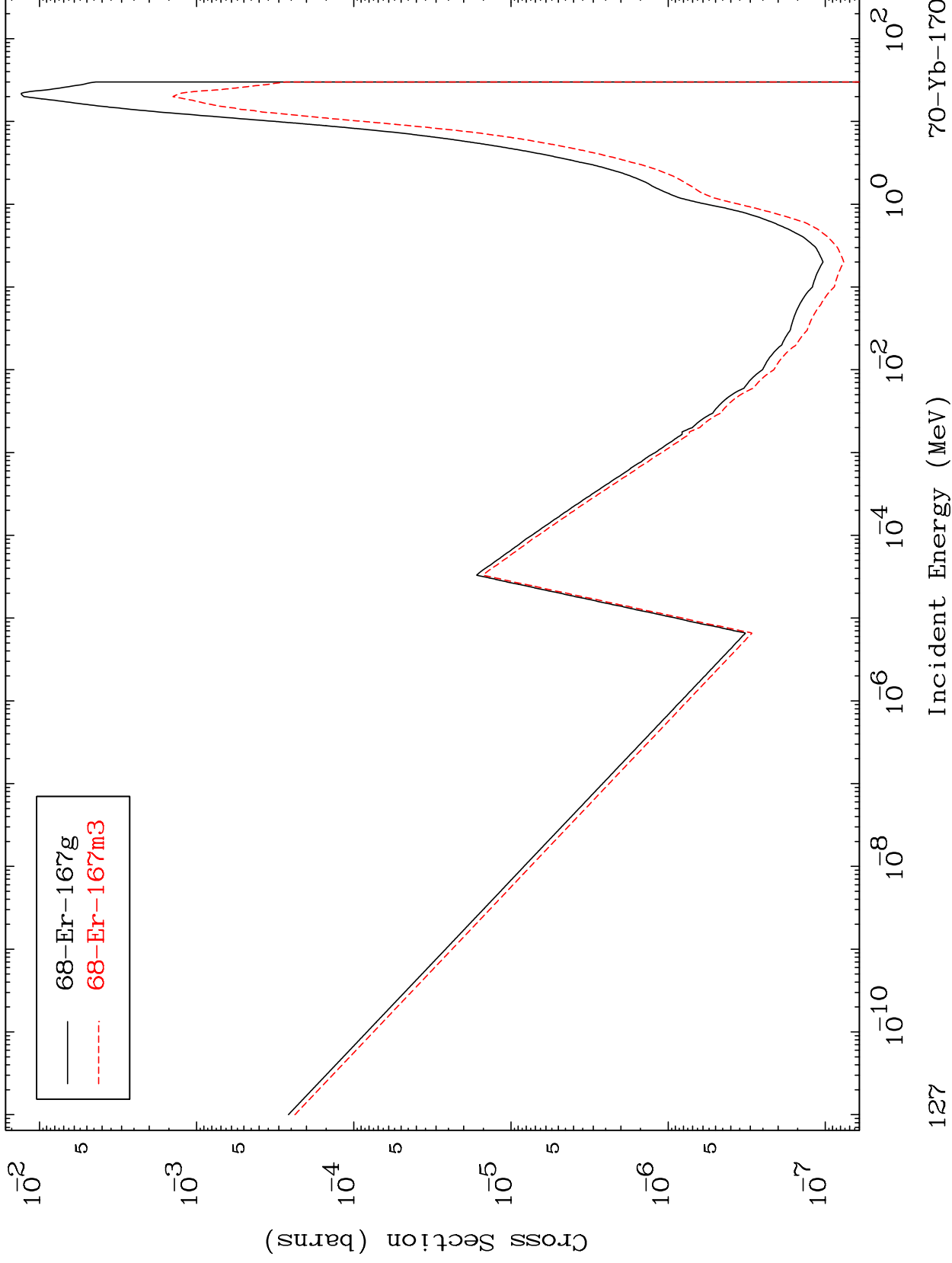
Radionuclide Production Cross Section



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Radionuclide Production Cross Section
(n, α)

70-Yb-170



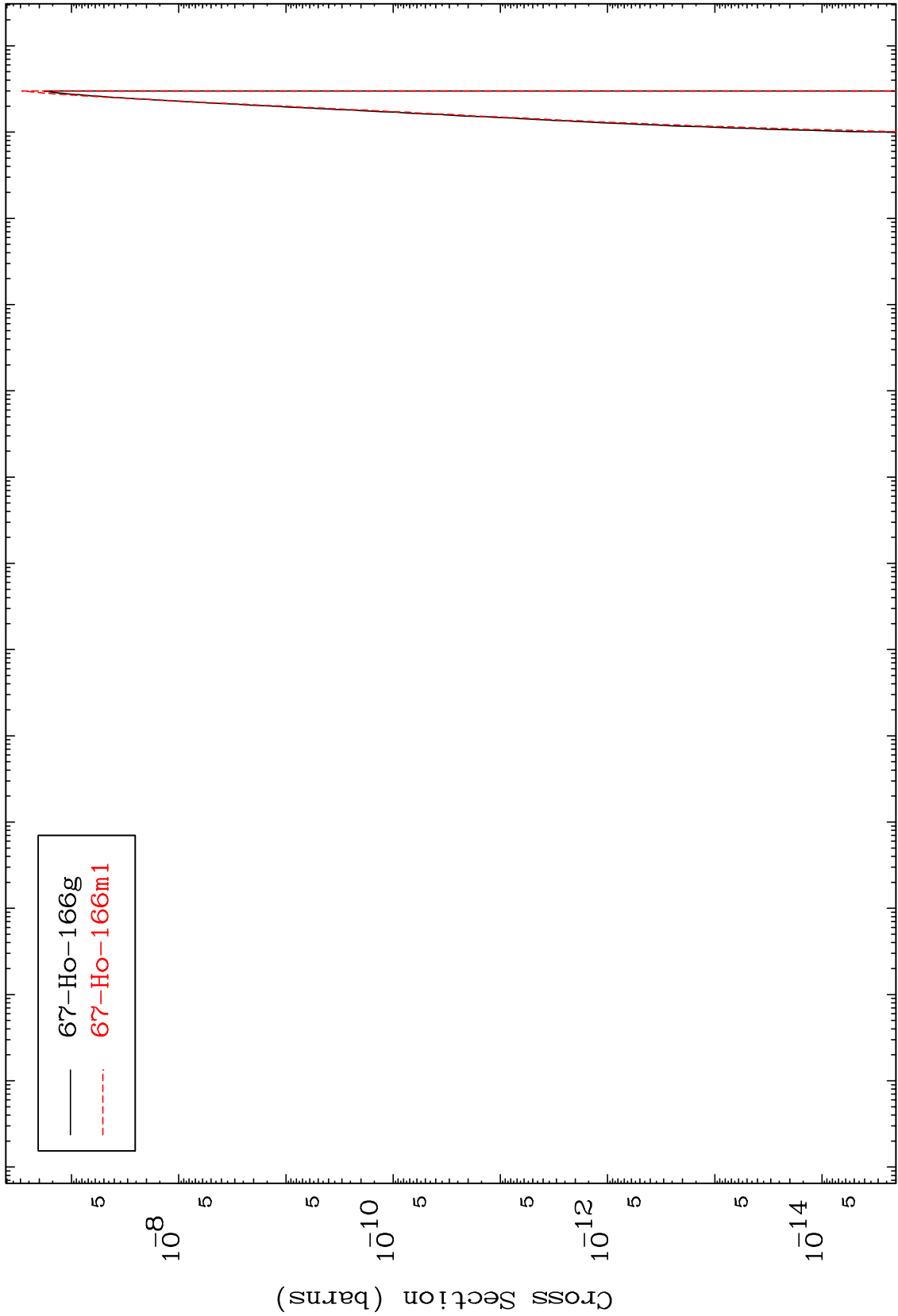
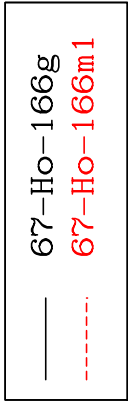
127

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(n,p) α

70-Yb-170

Radionuclide Production Cross Section



70-Yb-170

10^0

10^{-2}

10^{-4}

10^{-6}

10^{-8}

10^{-10}

10^{-14}

Incident Energy (MeV)

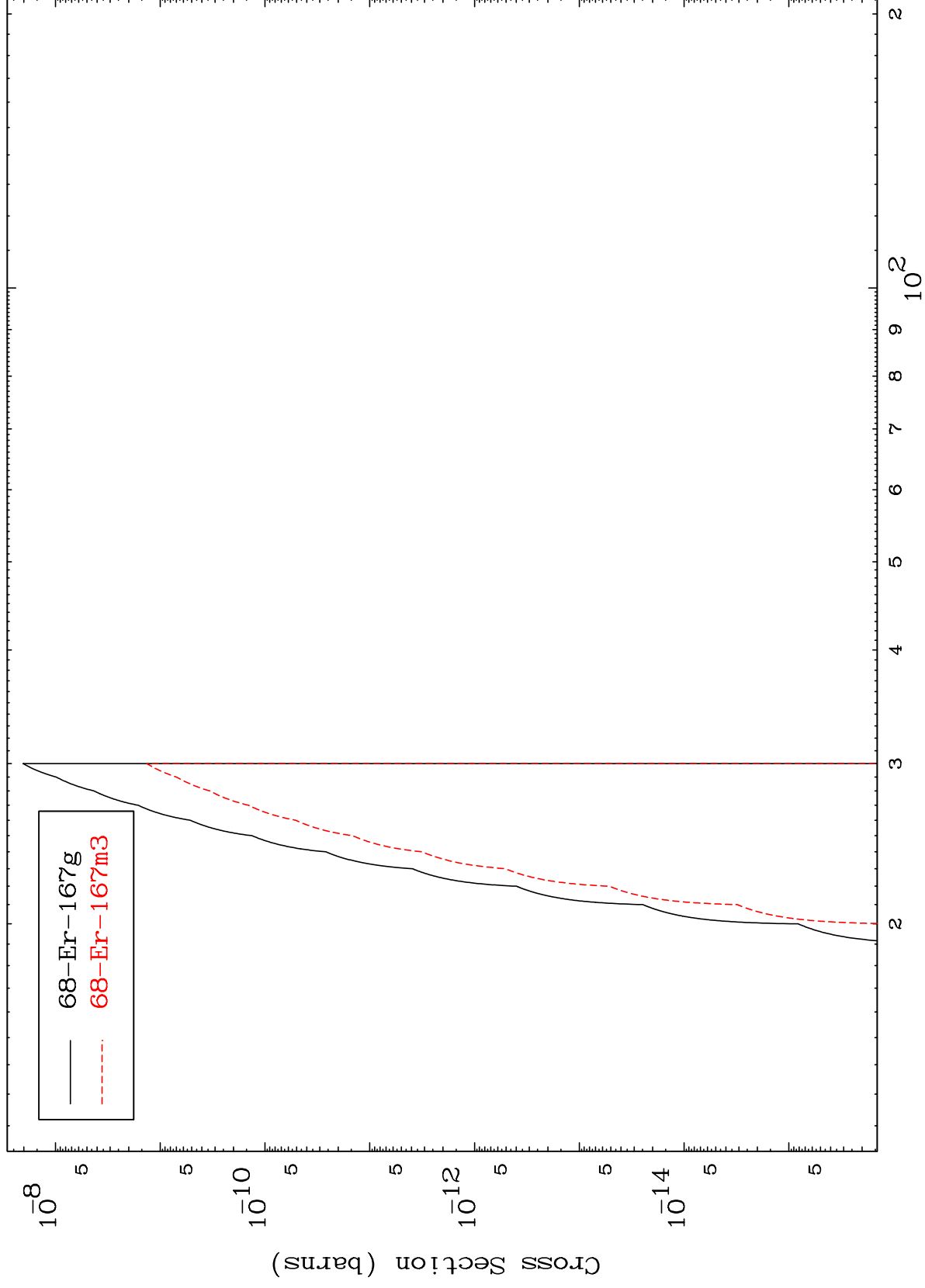
70-Yb-170

MAT 7031

(n,p) t

70-Yb-170

Radionuclide Production Cross Section



129

Incident Energy (MeV)

70-Yb-170