

Program EVALPLOT
(Version 2015-2)

by

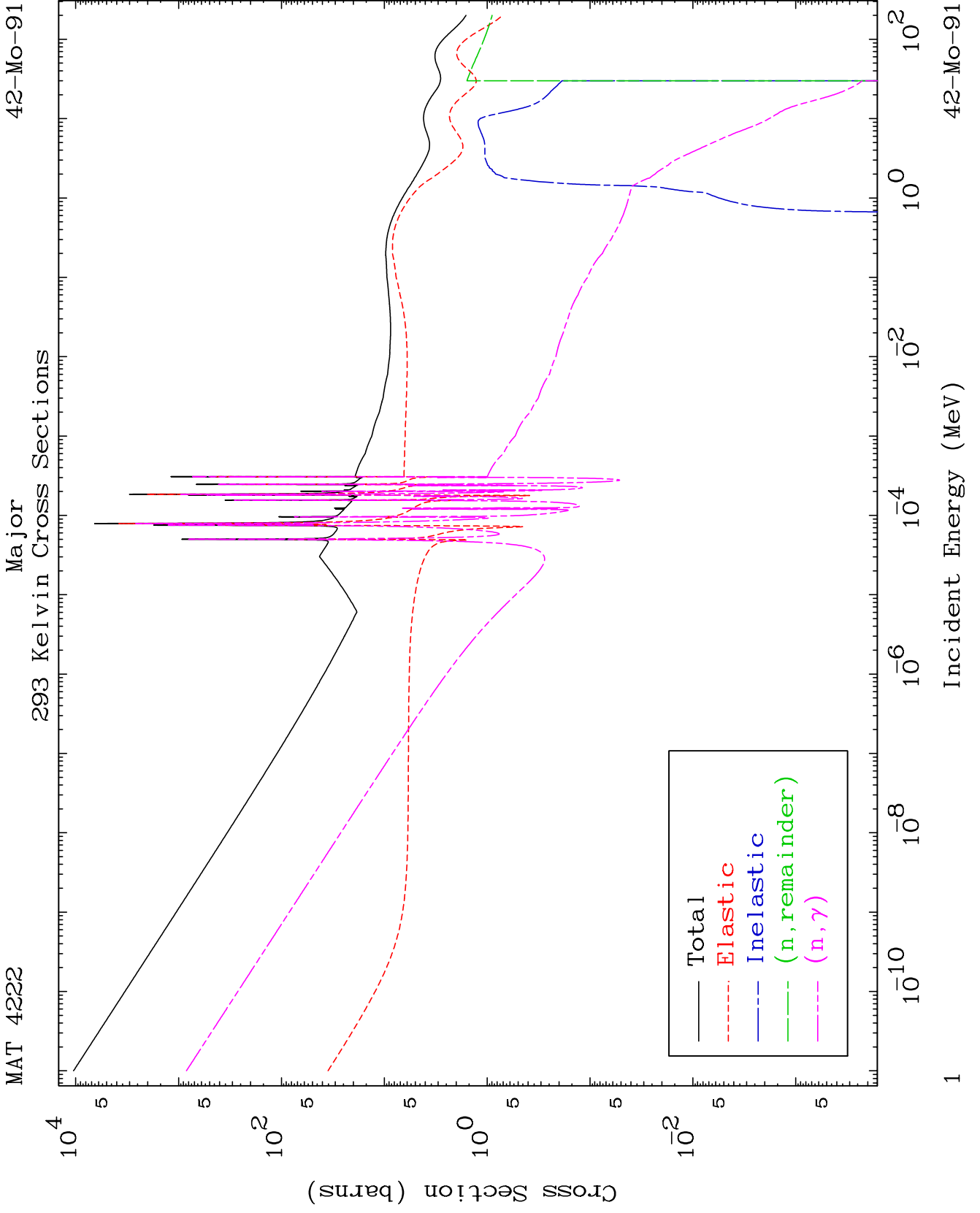
Dermott E. Cullen
(Present Contact Information)

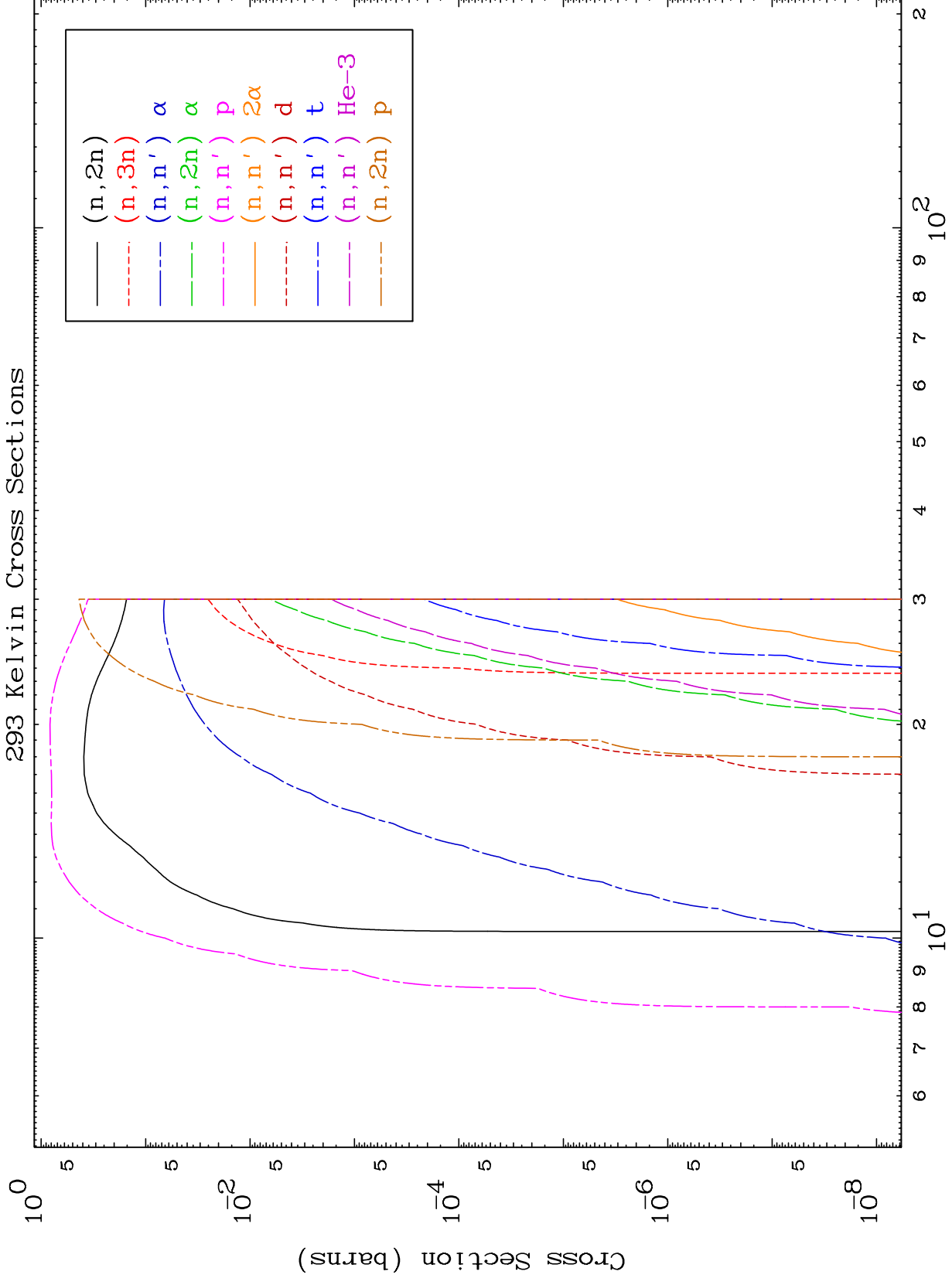
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

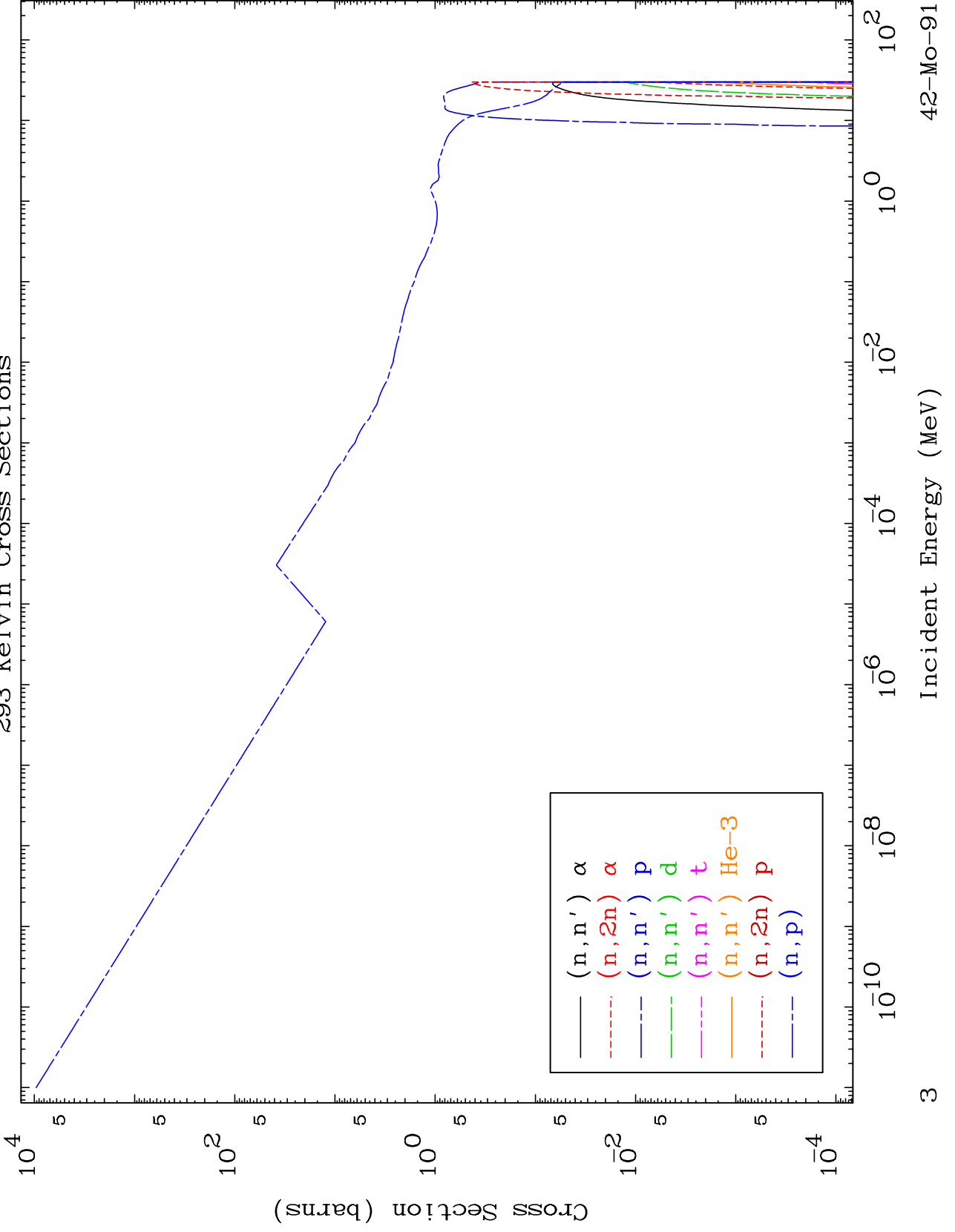




MAT 4222

Charged Particle
293 Kelvin Cross Sections

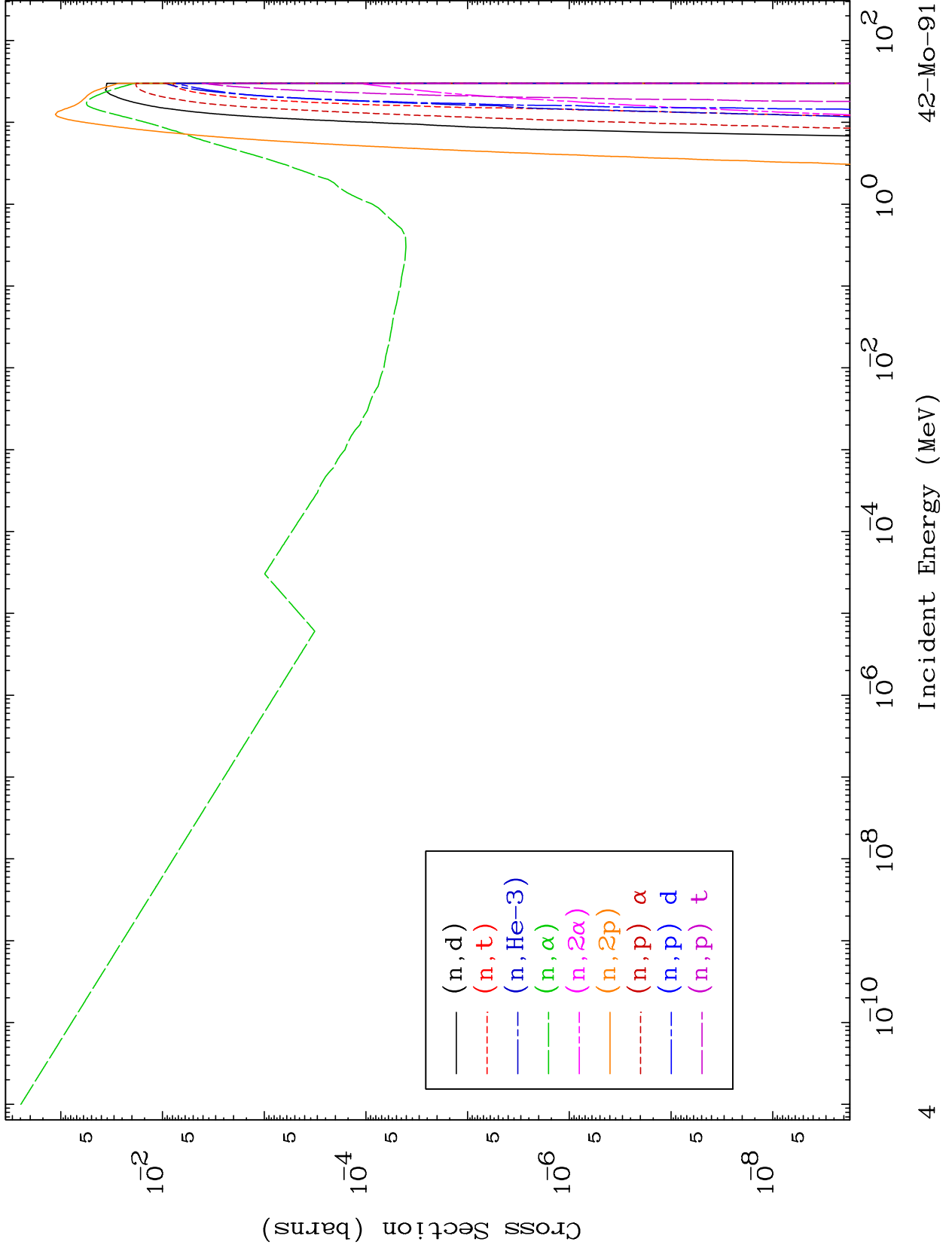
42-Mo-91



MAT 4222

Charged Particle
293 Kelvin Cross Sections

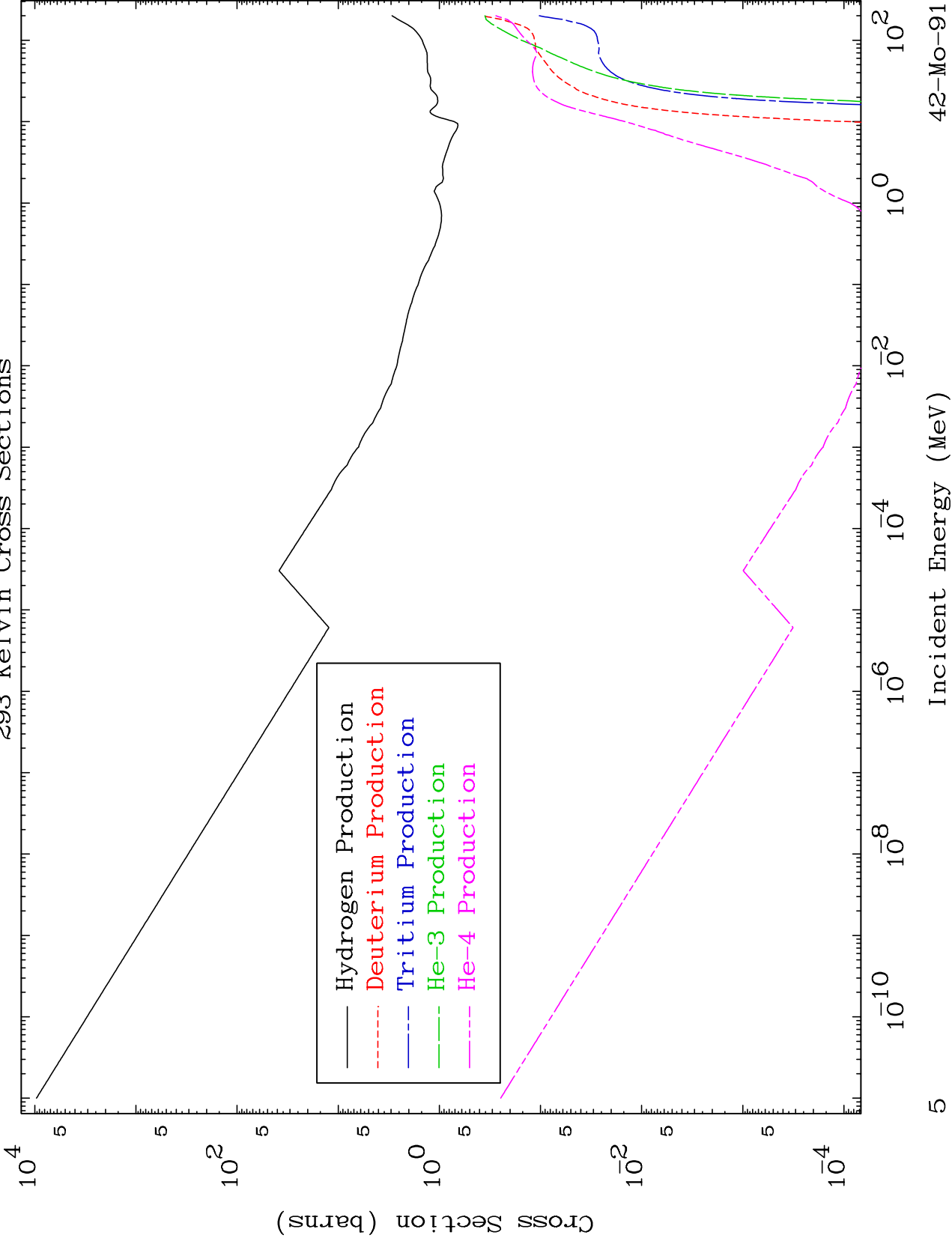
42-Mo-91



MAT 4222

Particle Production
293 Kelvin Cross Sections

42-Mo-91



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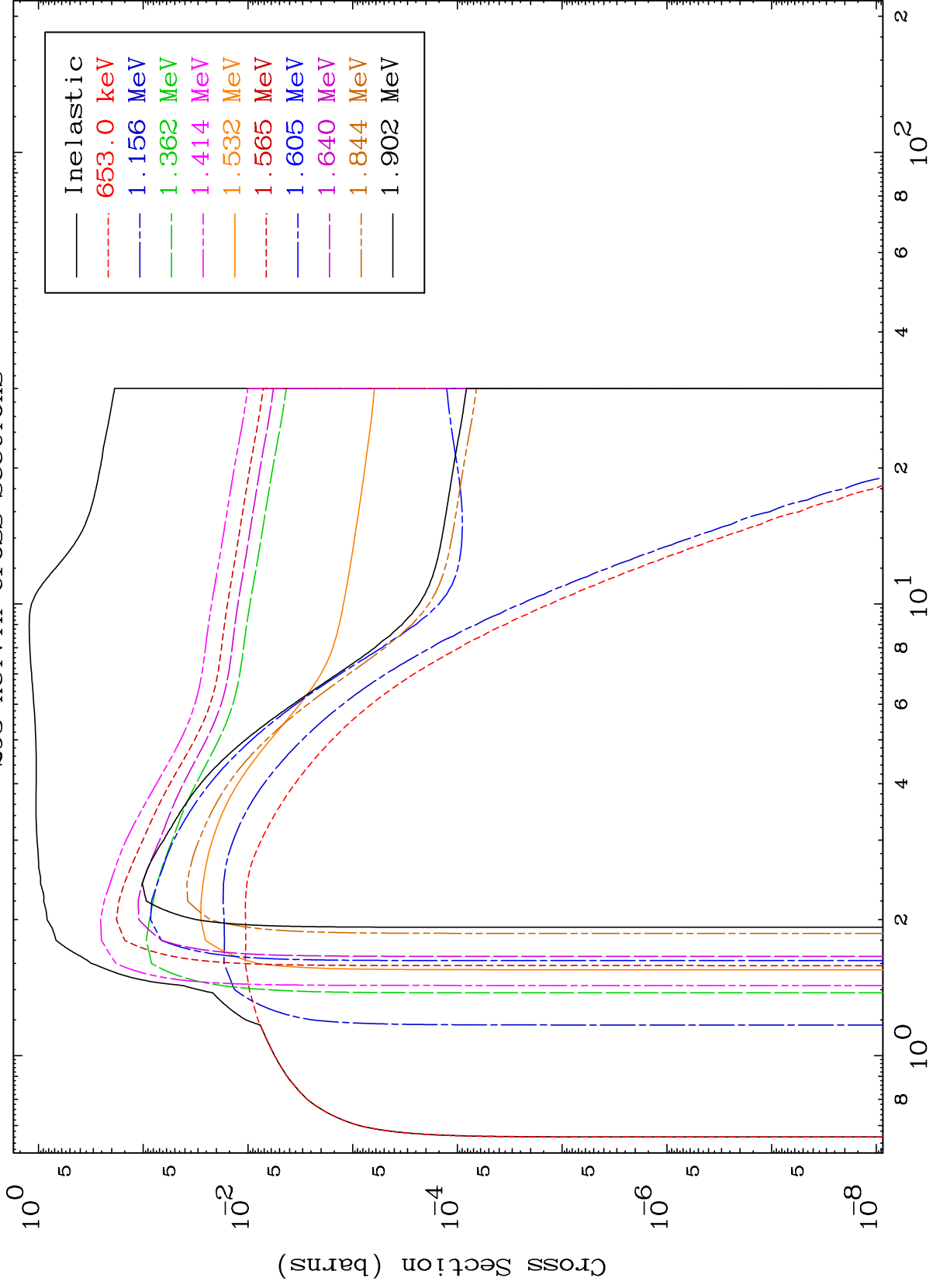
Incident Energy (MeV)

42-Mo-91

MAT 4222

(n,n') Level
293 Kelvin Cross Sections

42-Mo-91



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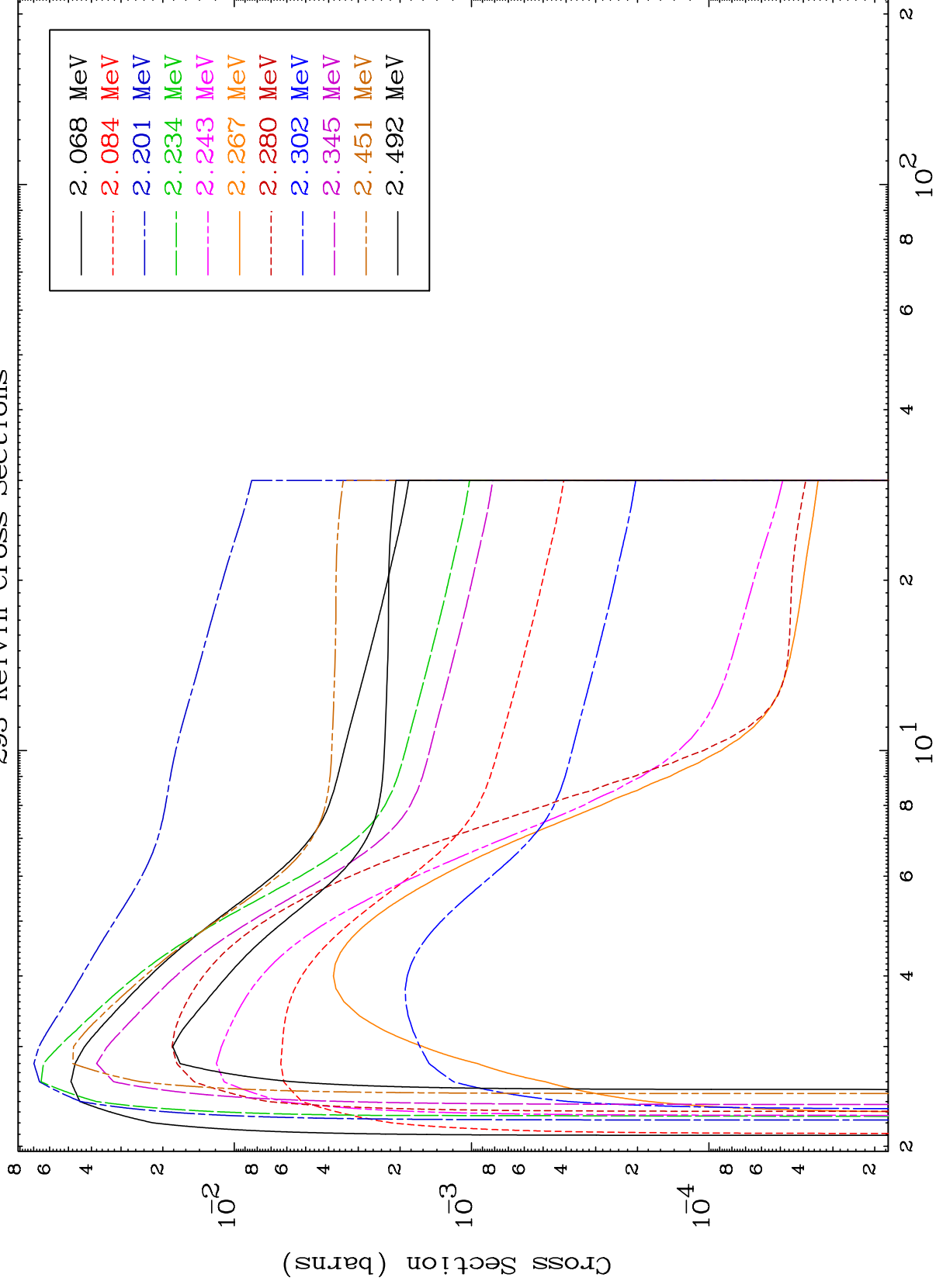
Incident Energy (MeV)

42-Mo-91

MAT 4222

(n,n') Level
293 Kelvin Cross Sections

42-Mo-91



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Incident Energy (MeV)

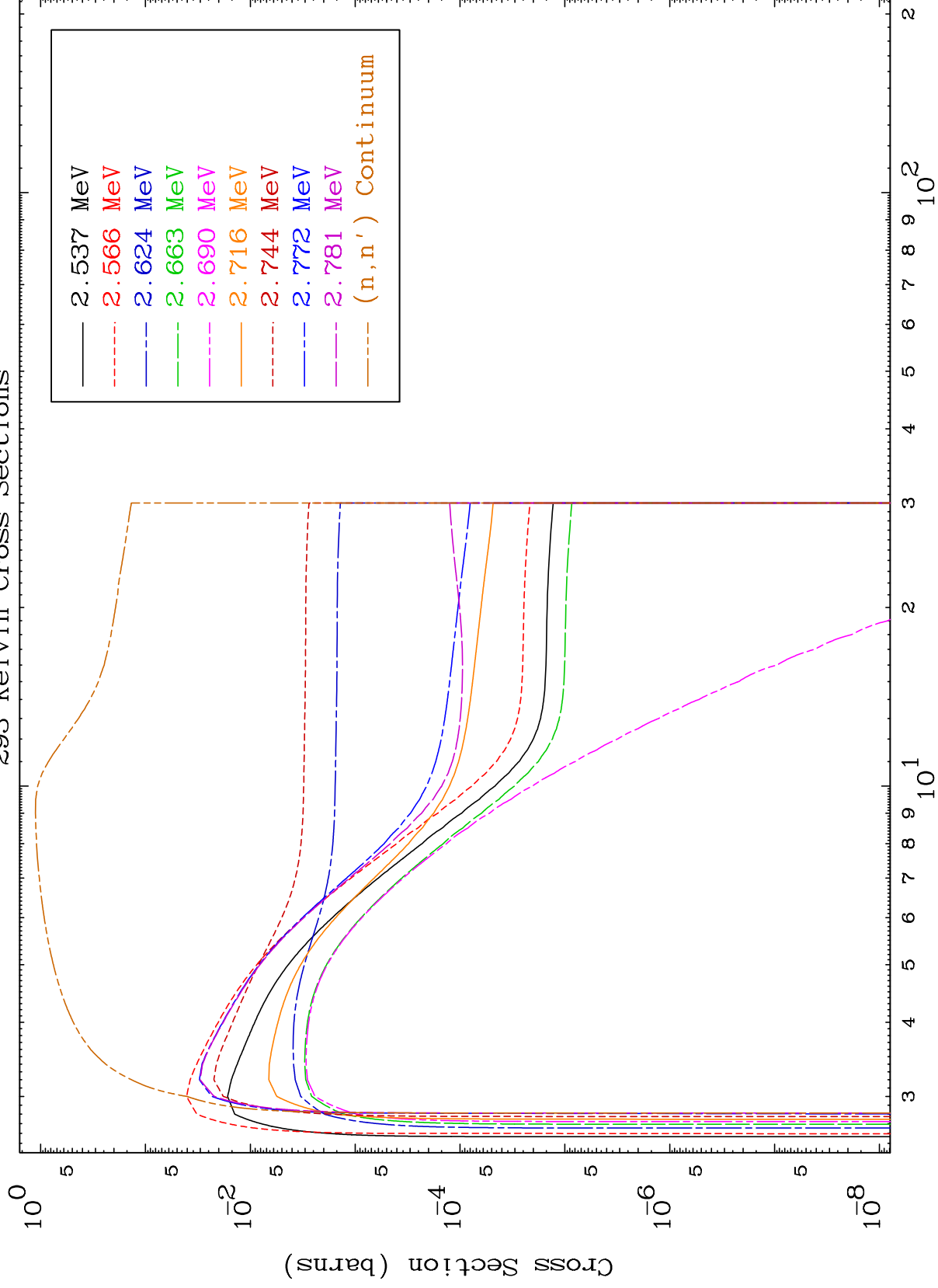
42-Mo-91

MAT 4222

(n,n') Level

42-Mo-91

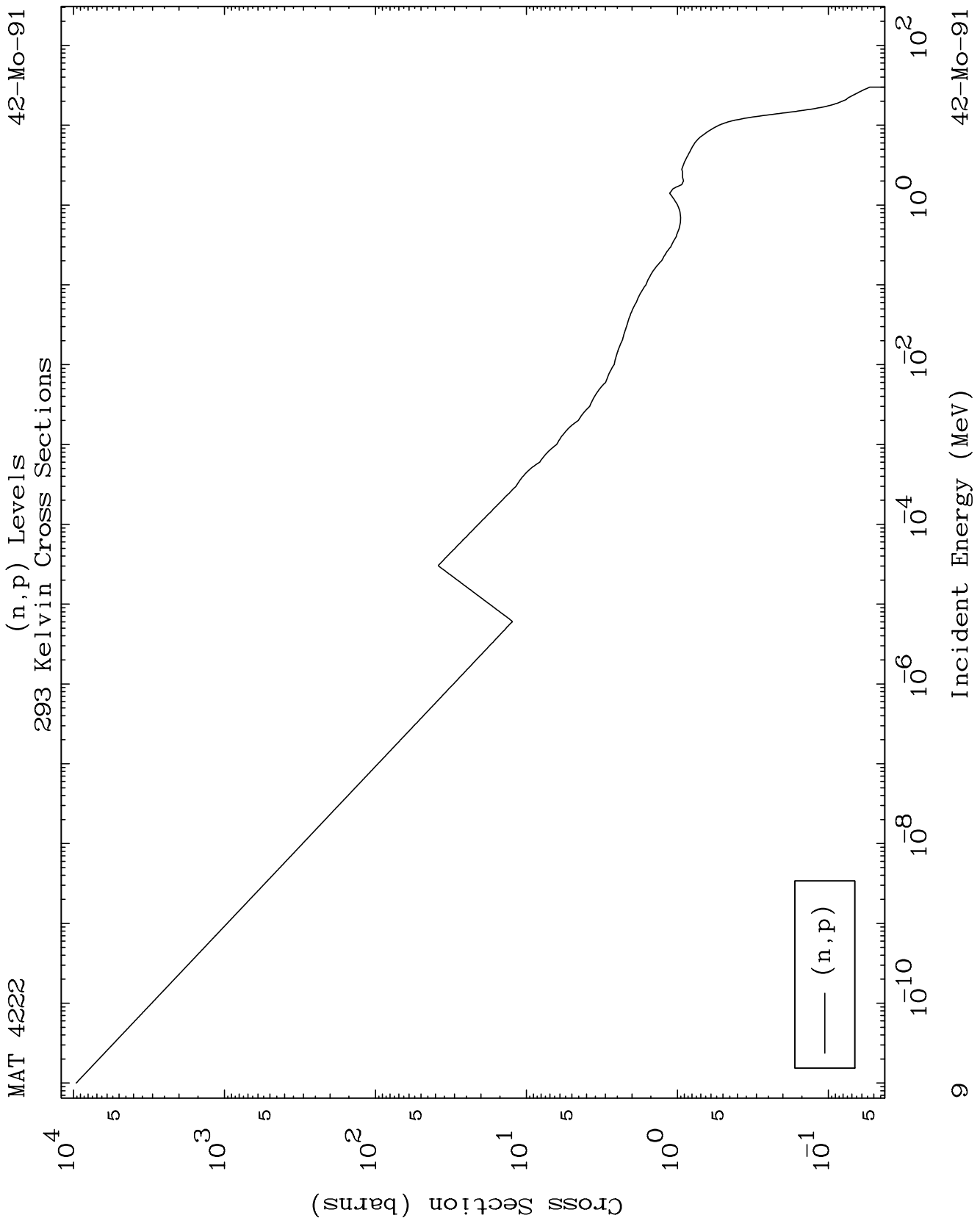
293 Kelvin Cross Sections



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Incident Energy (MeV)

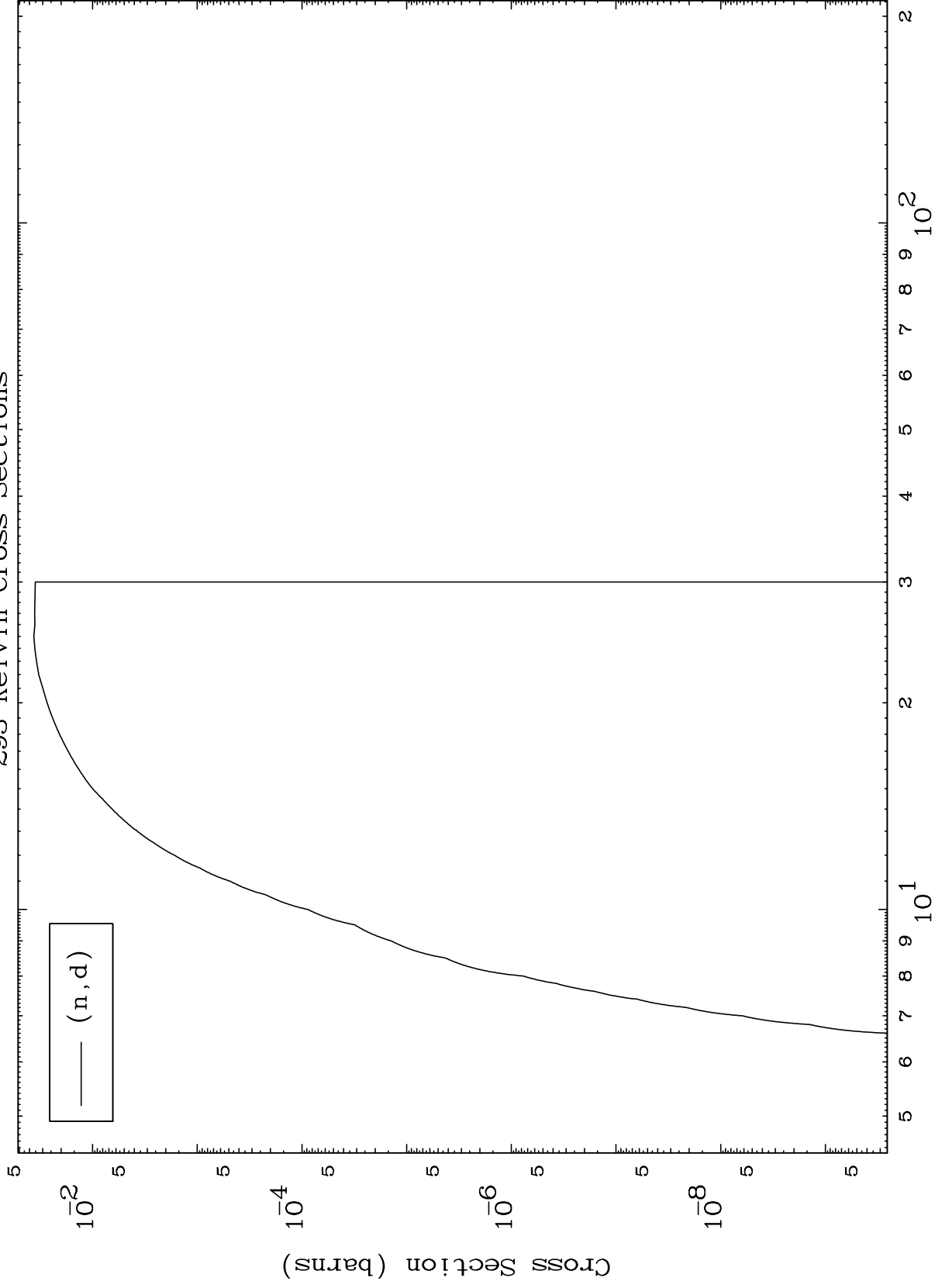
42-Mo-91



MAT 4222

(n,d) Levels
293 Kelvin Cross Sections

42-Mo-91



(n,d)

Incident Energy (MeV)

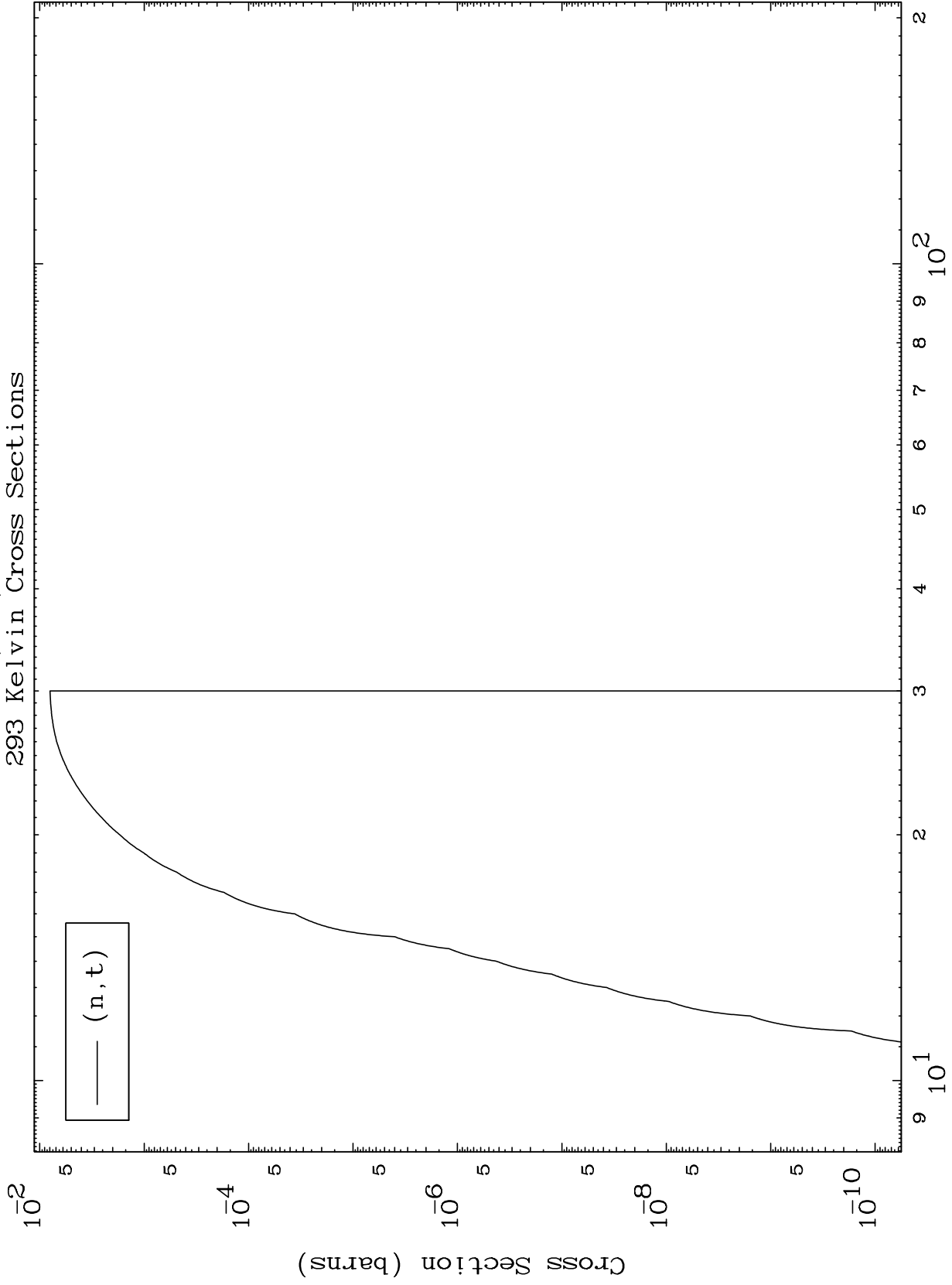
42-Mo-91

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MAT 4222

(n,t) Levels
293 Kelvin Cross Sections

42-Mo-91



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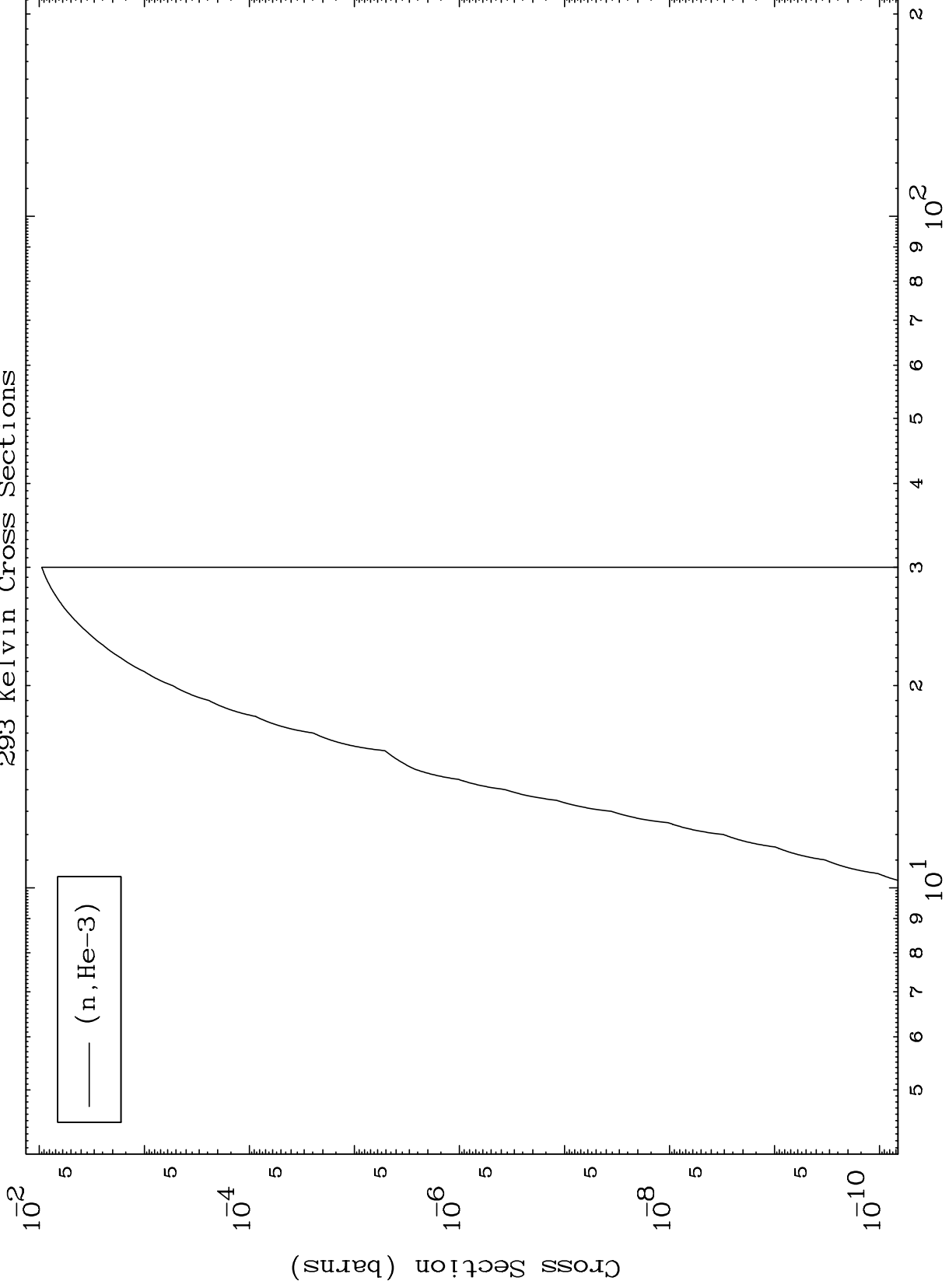
Incident Energy (MeV)

42-Mo-91

MAT 4222

(n,He3) Levels
293 Kelvin Cross Sections

42-Mo-91



12

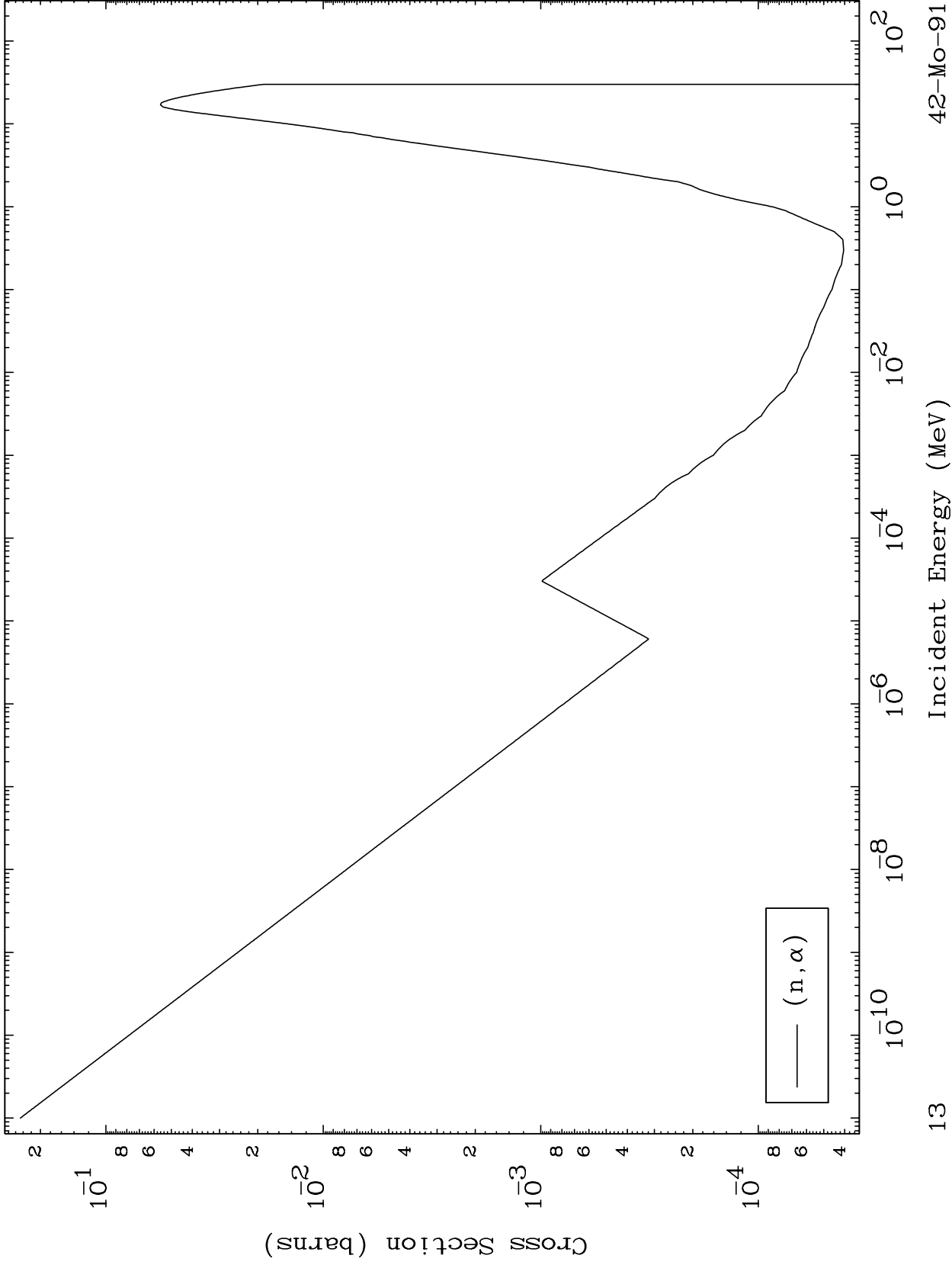
Incident Energy (MeV)

42-Mo-91

MAT 4222

(n,α) Levels
293 Kelvin Cross Sections

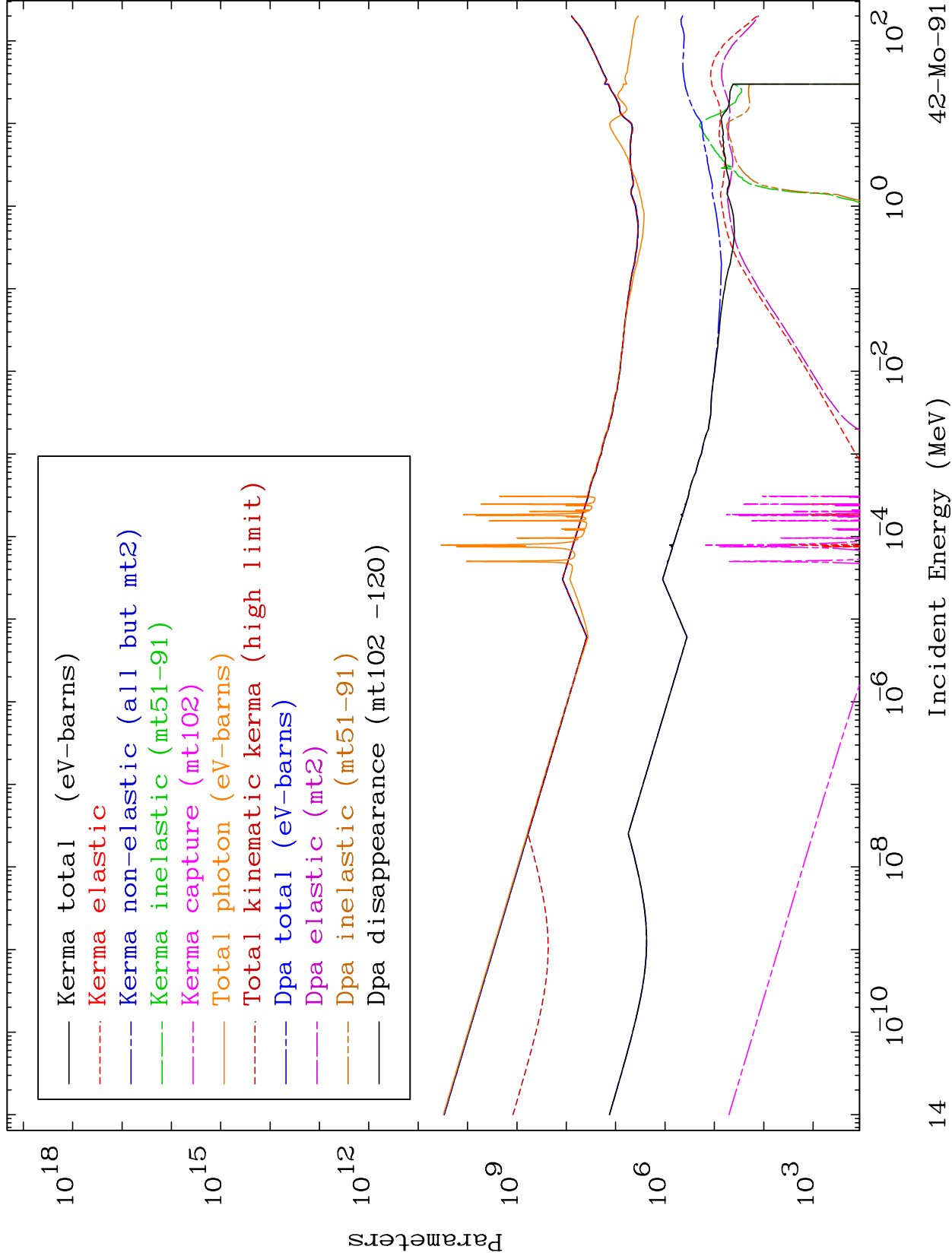
42-Mo-91



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Incident Energy (MeV)

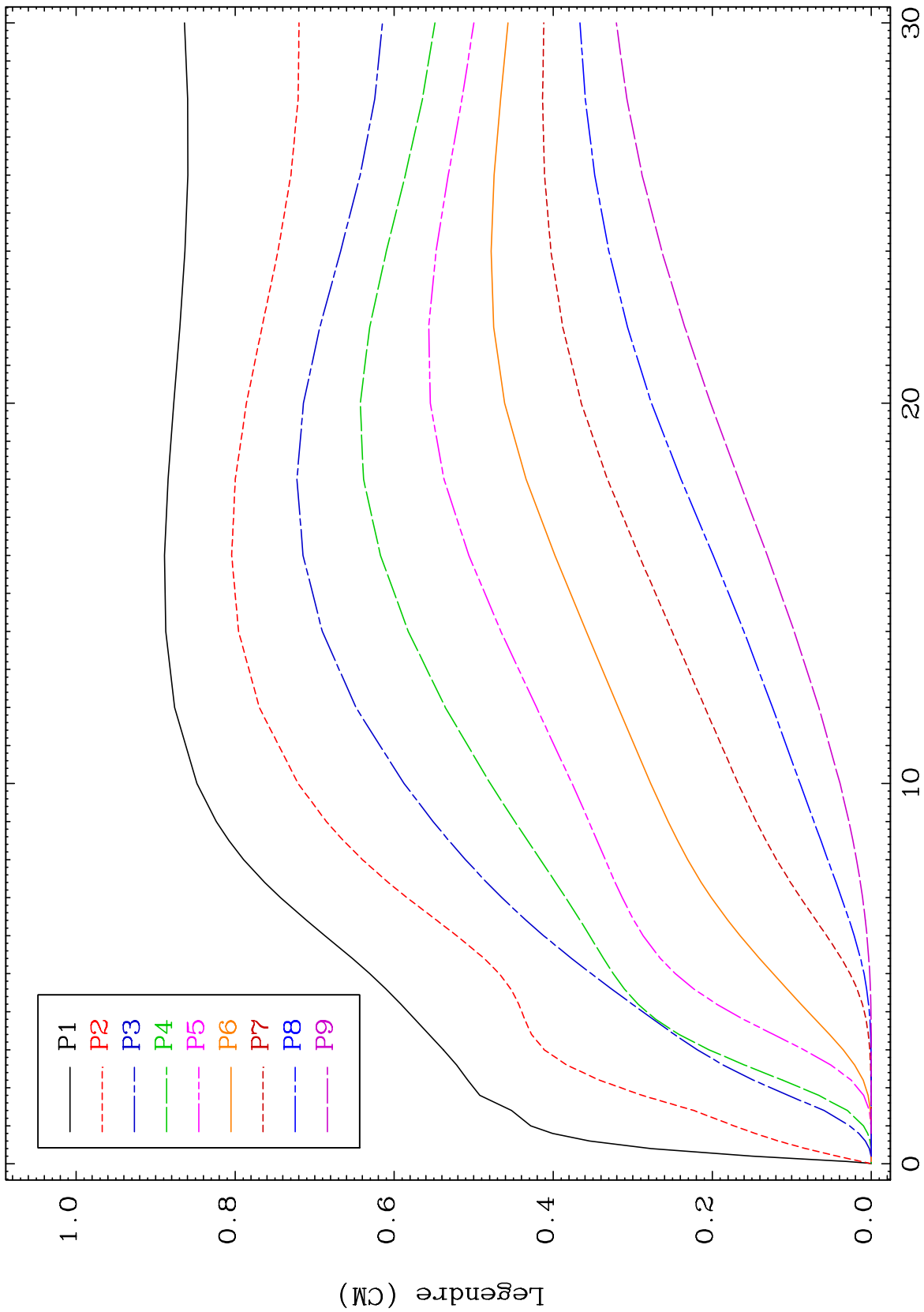
42-Mo-91



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Elastic Legendre Coefficients

42-Mo-91



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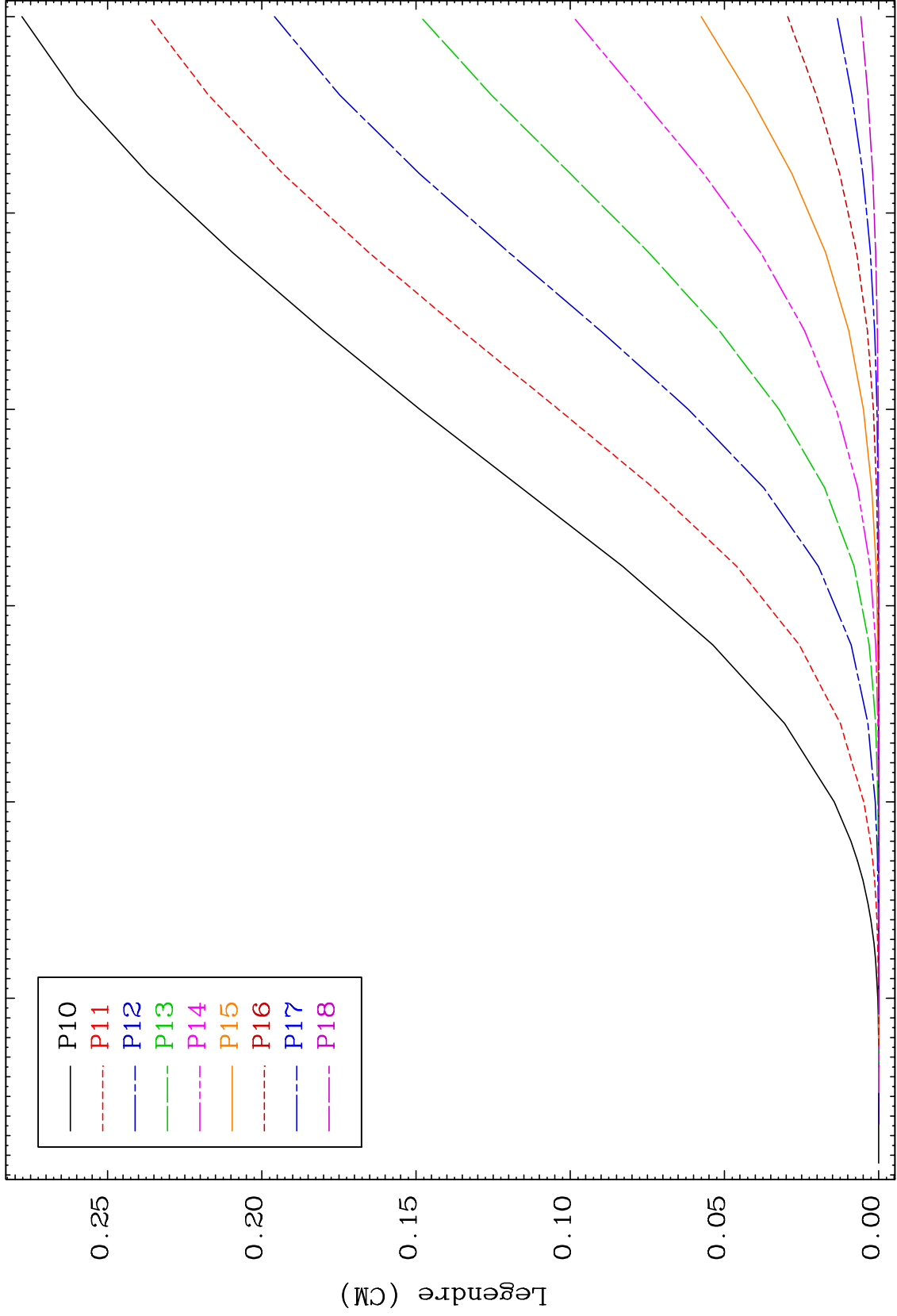
Incident Energy (MeV)

42-Mo-91

MAT 4222

Elastic Legendre Coefficients

42-Mo-91



16

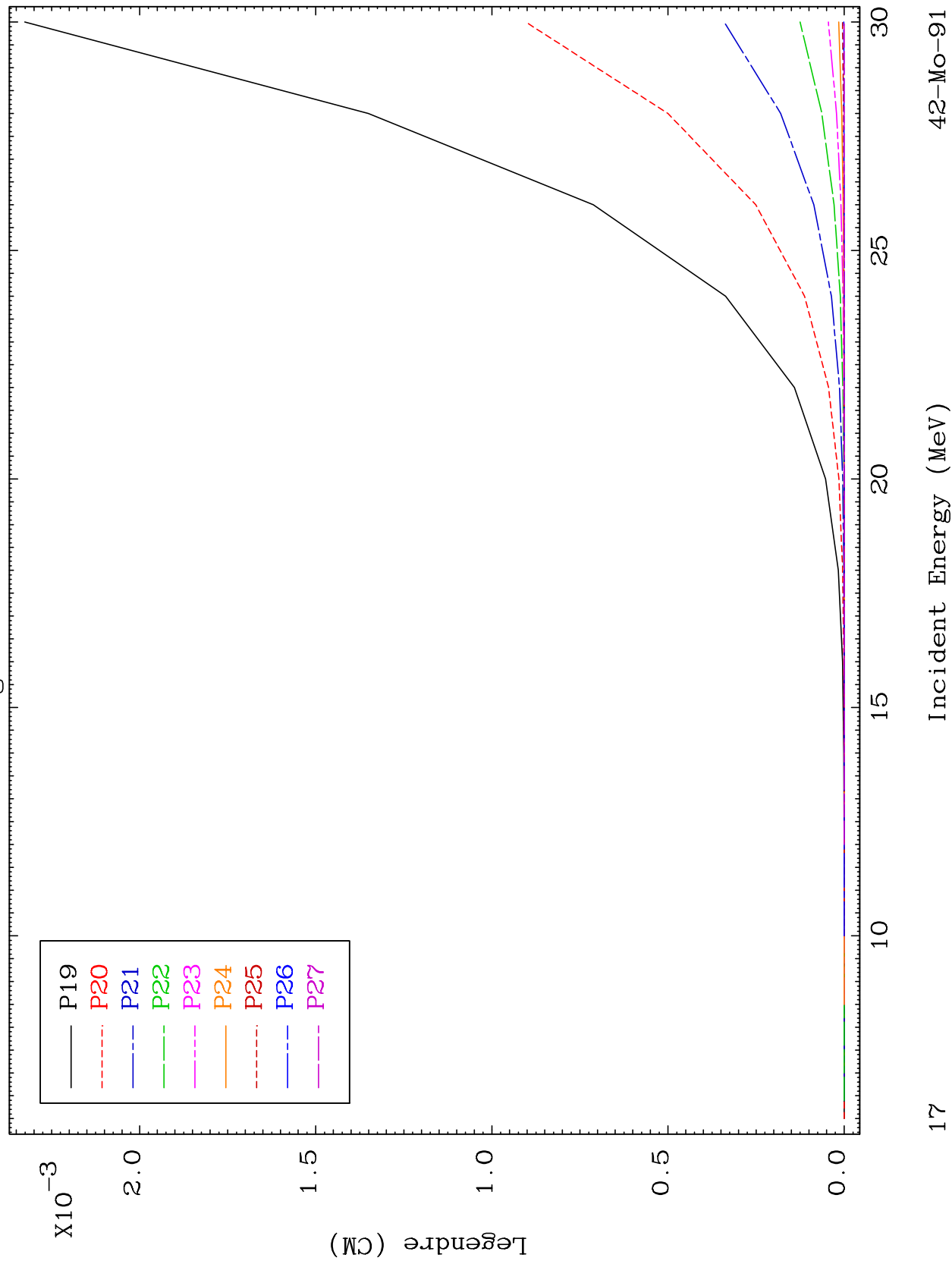
Incident Energy (MeV)

42-Mo-91

MAT 4222

Elastic
Legendre Coefficients

42-Mo-91



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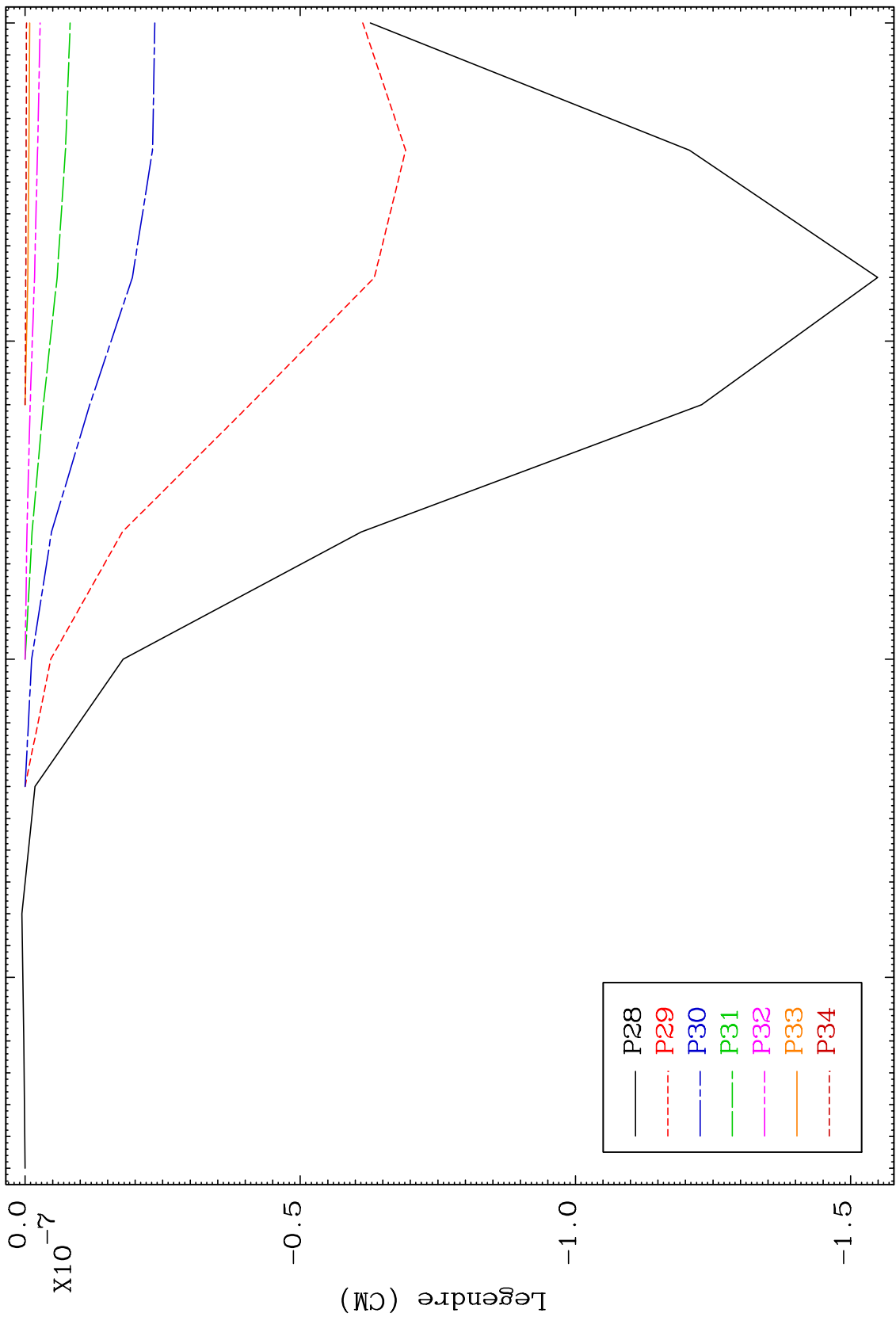
Incident Energy (MeV)

42-Mo-91

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42-Mo-91

Elastic Legendre Coefficients



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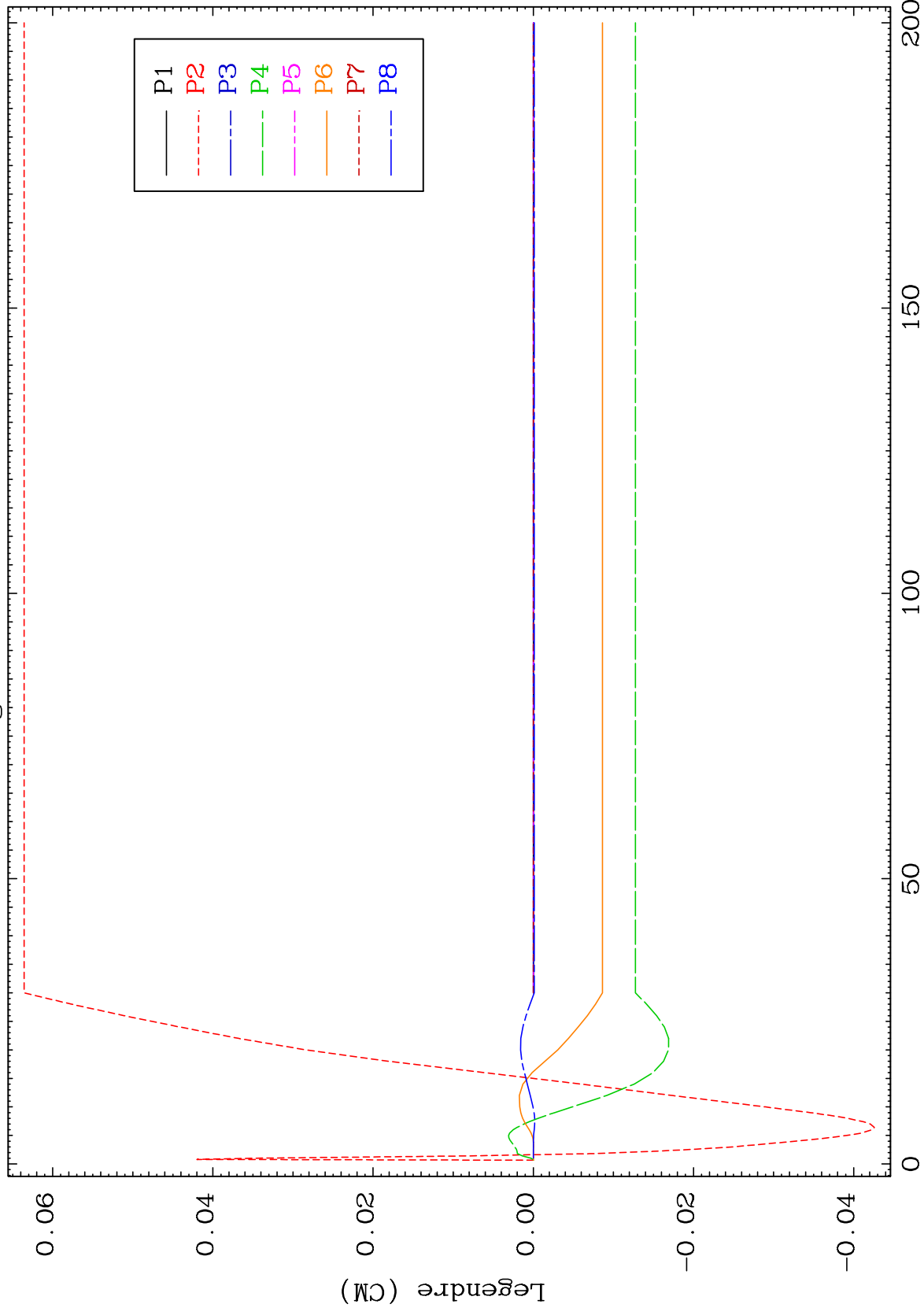
Incident Energy (MeV)

42-Mo-91

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653.0 keV (n,n') Level
Legendre Coefficients

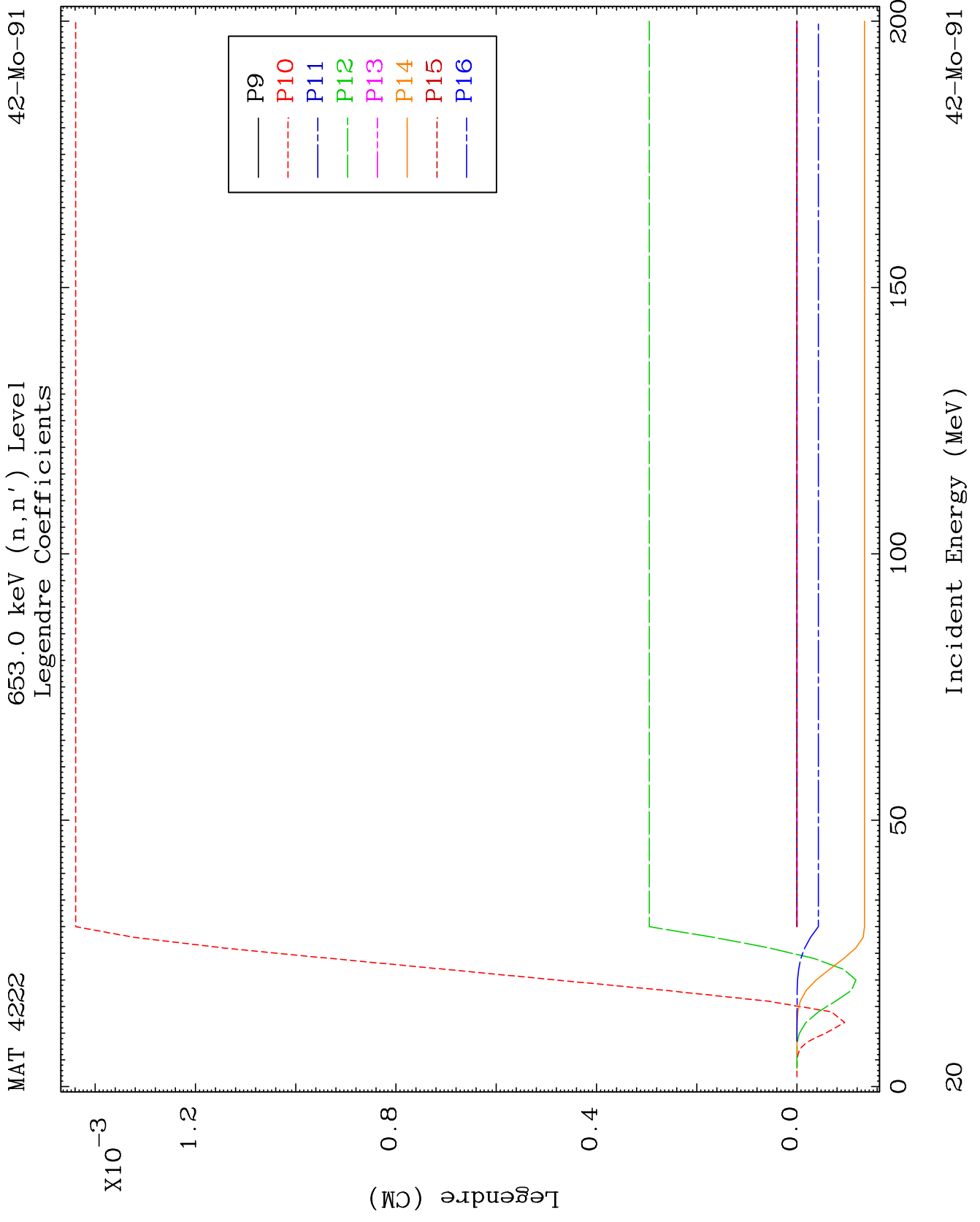
42-Mo-91

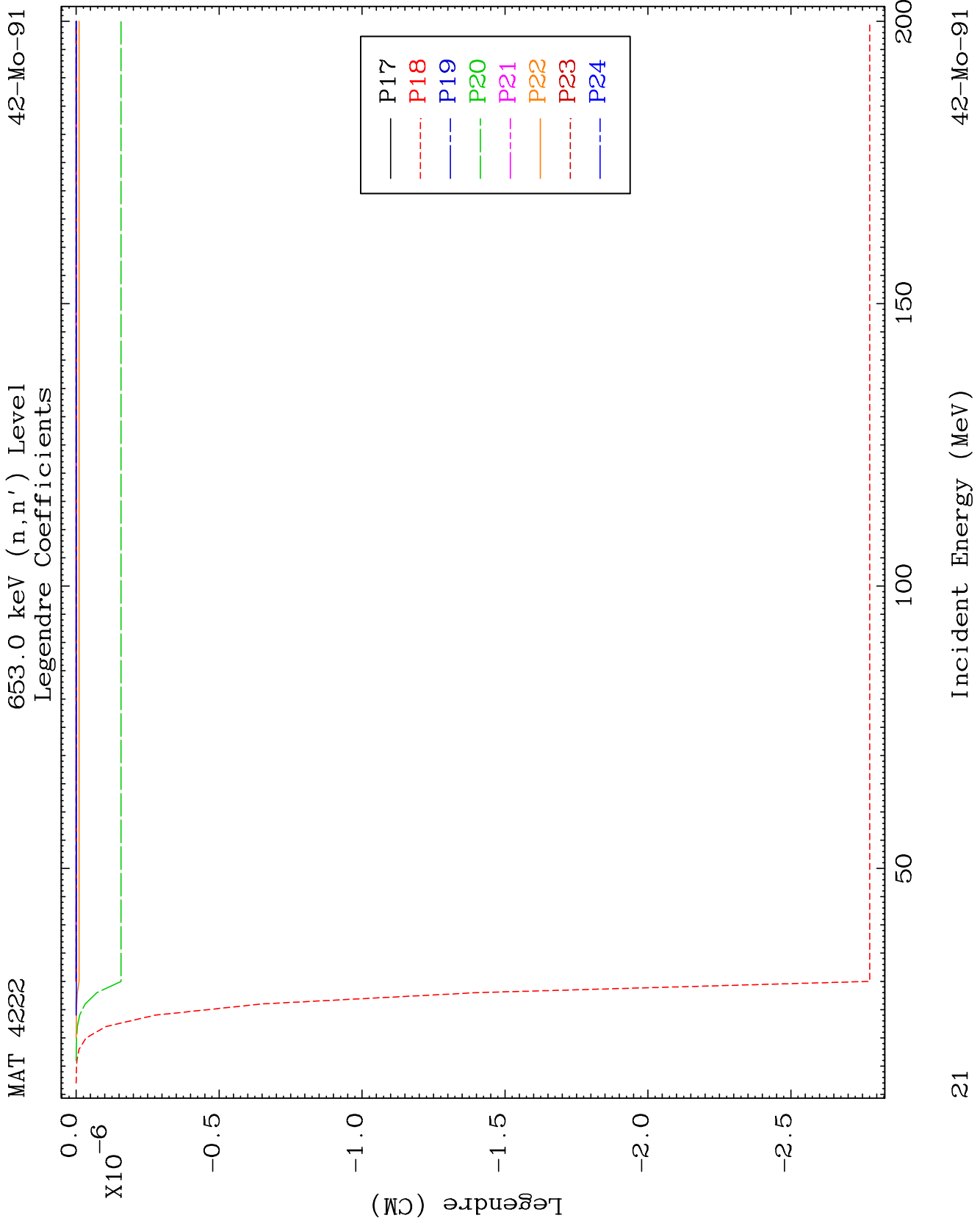


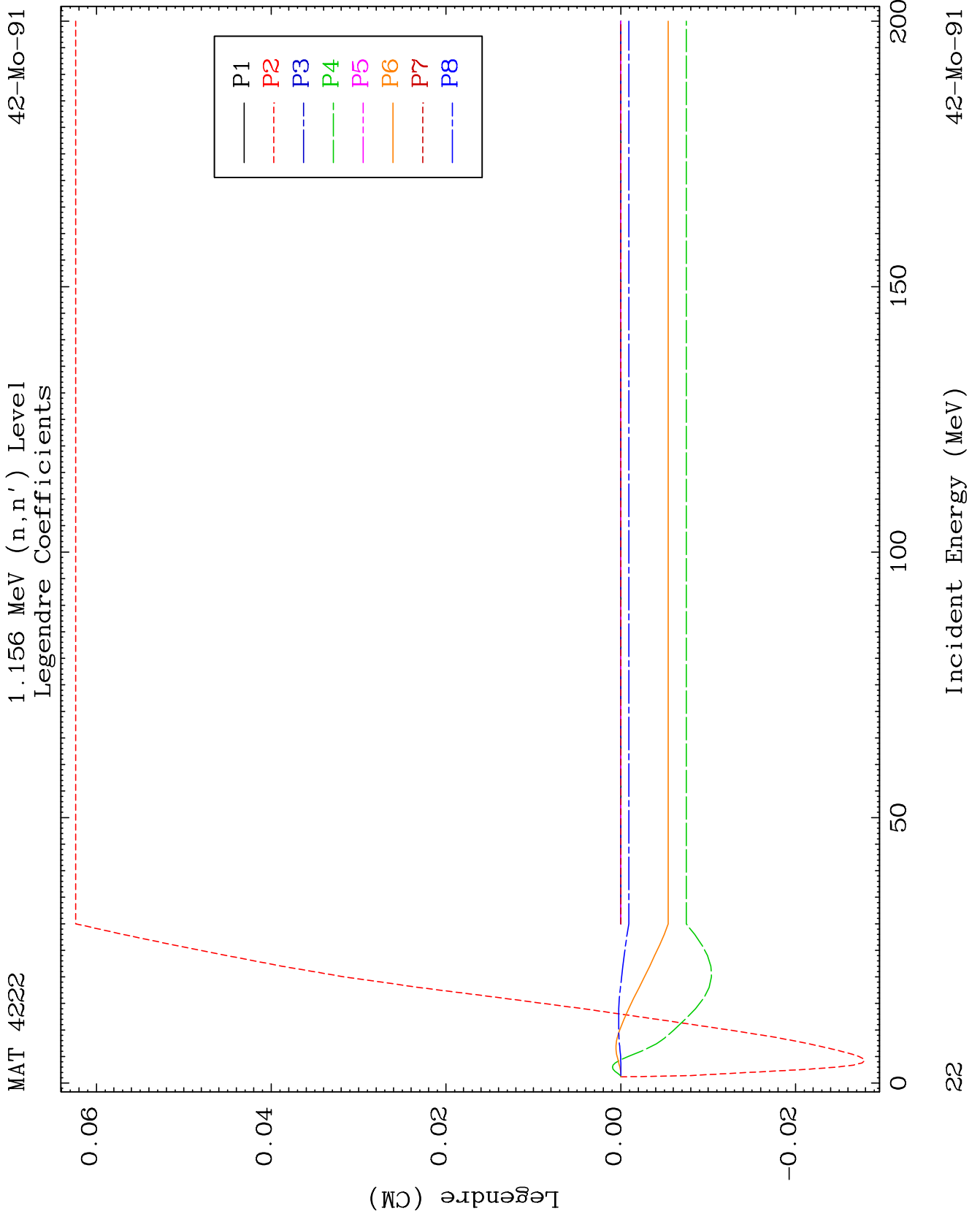
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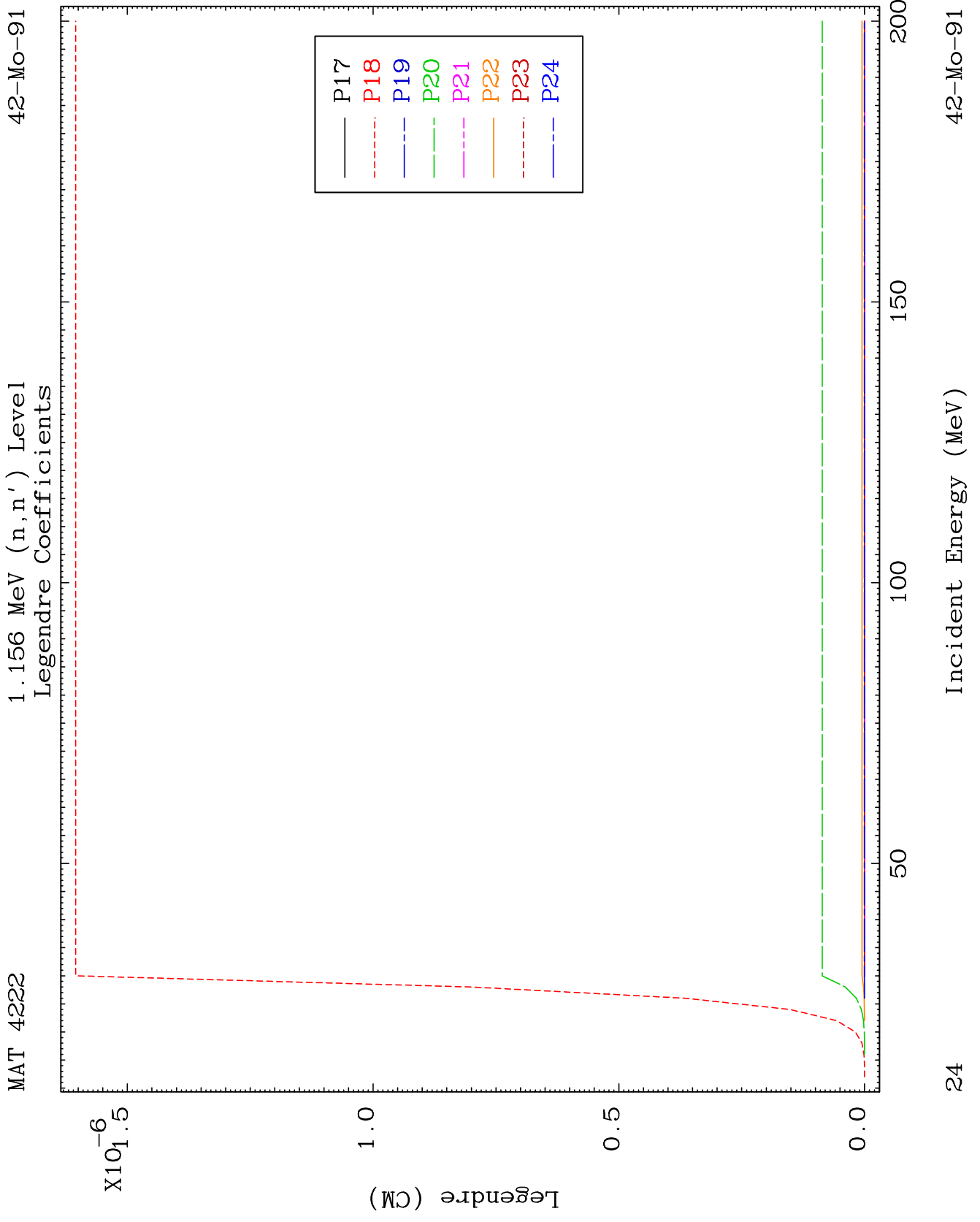
Incident Energy (MeV)

42-Mo-91





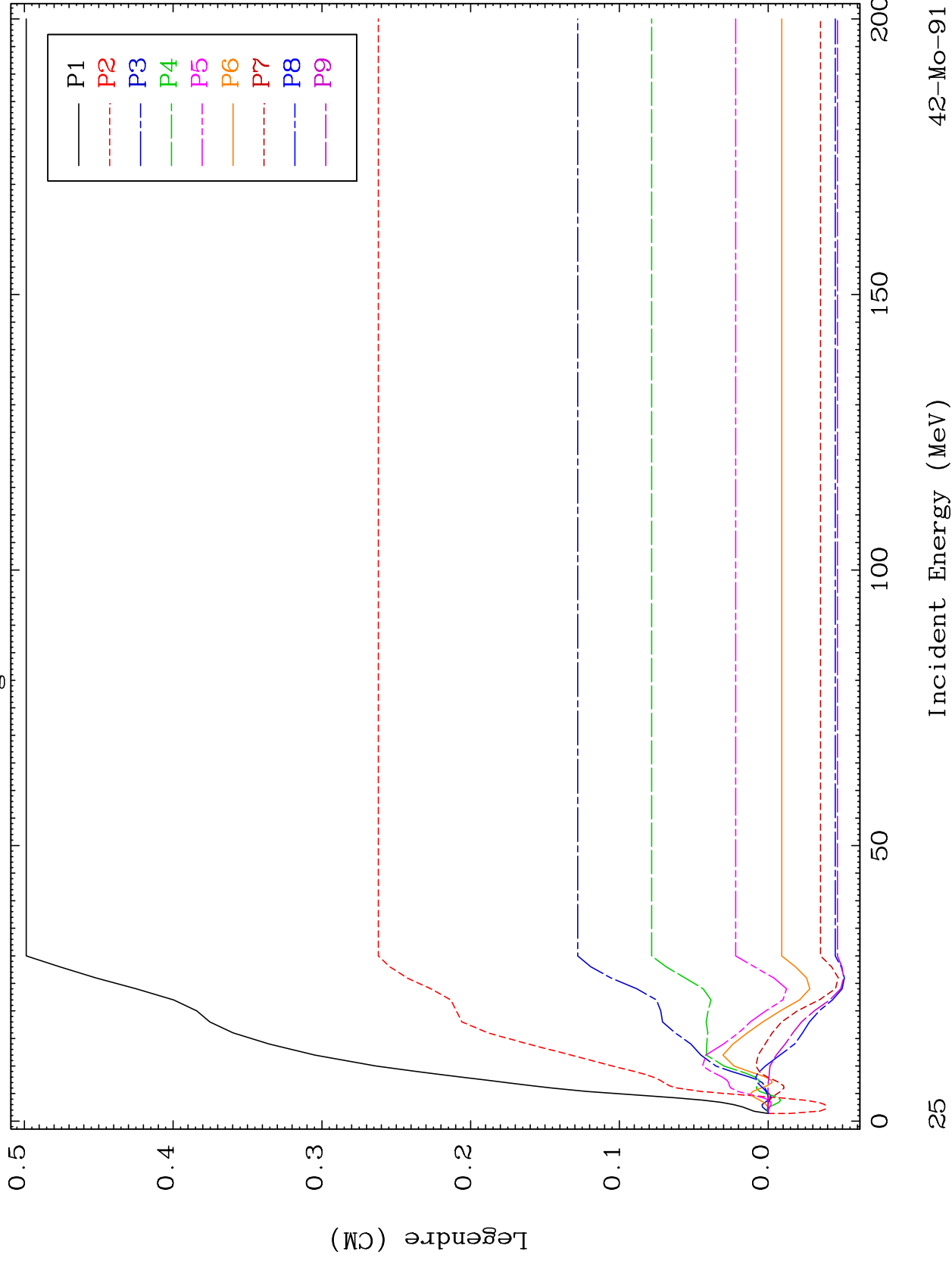




MAT 4222

1.362 MeV (n,n') Level
Legendre Coefficients

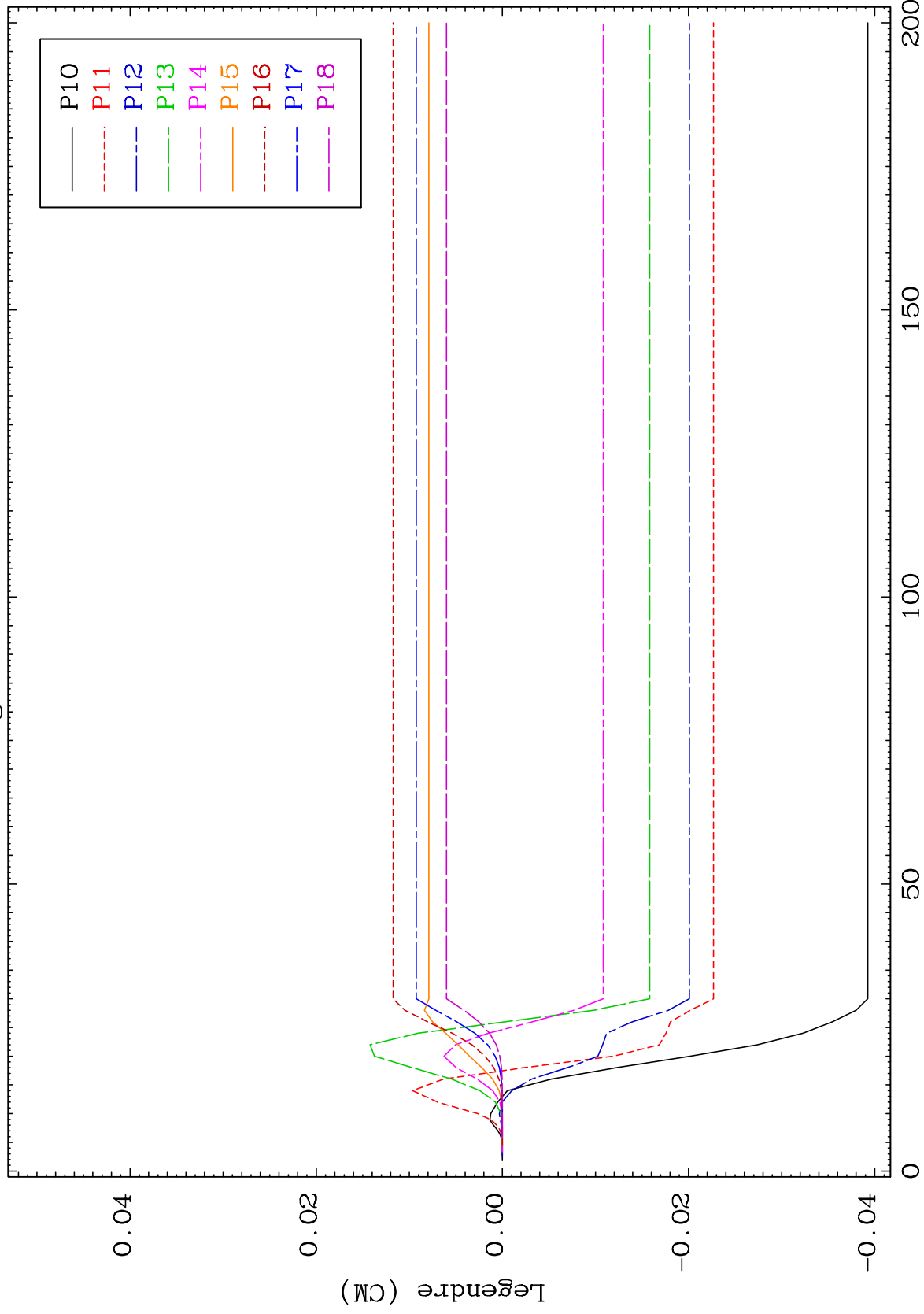
42-Mo-91



MAT 4222

1.362 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



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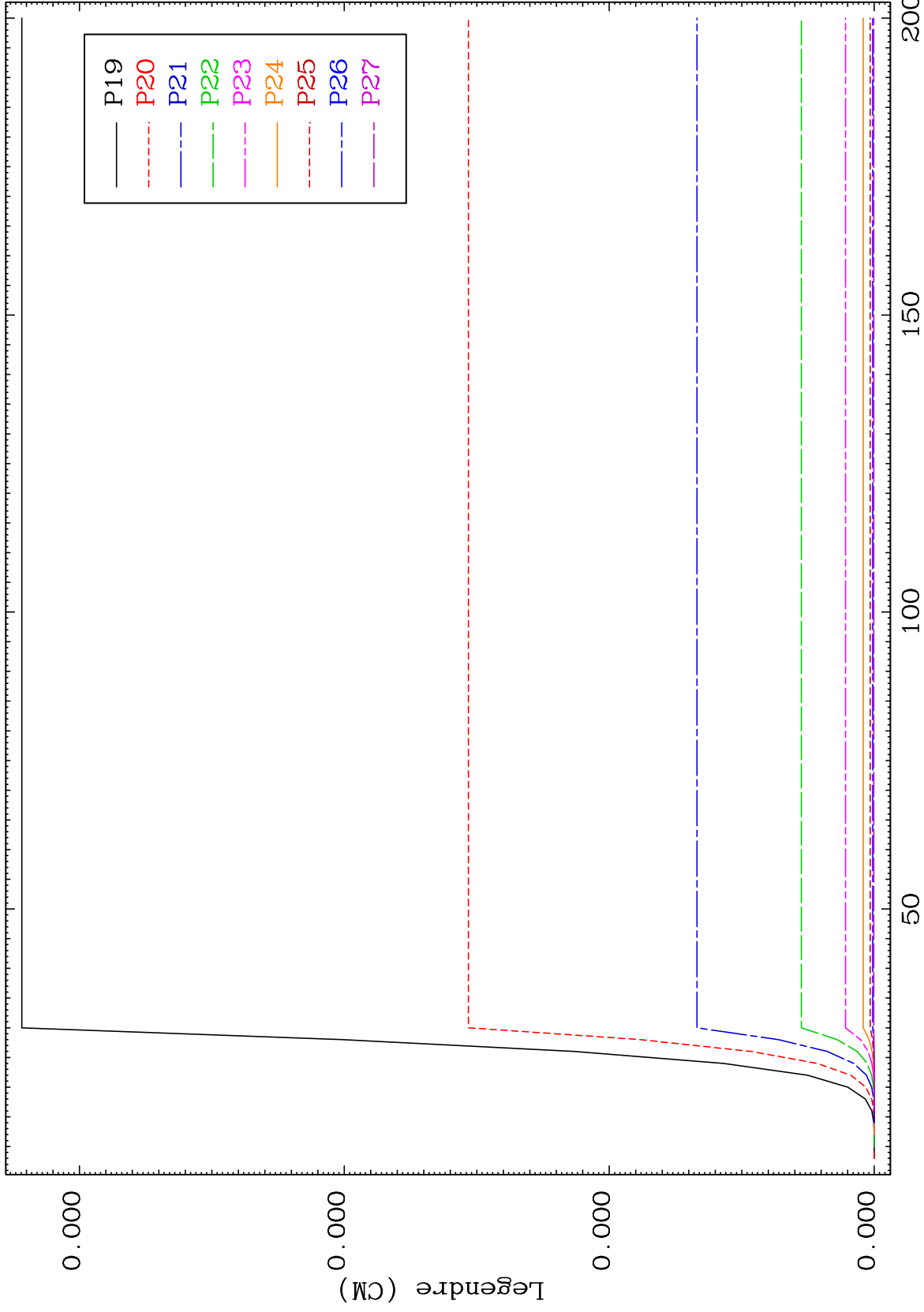
Incident Energy (MeV)

42-Mo-91

MAT 4222

1.362 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



27

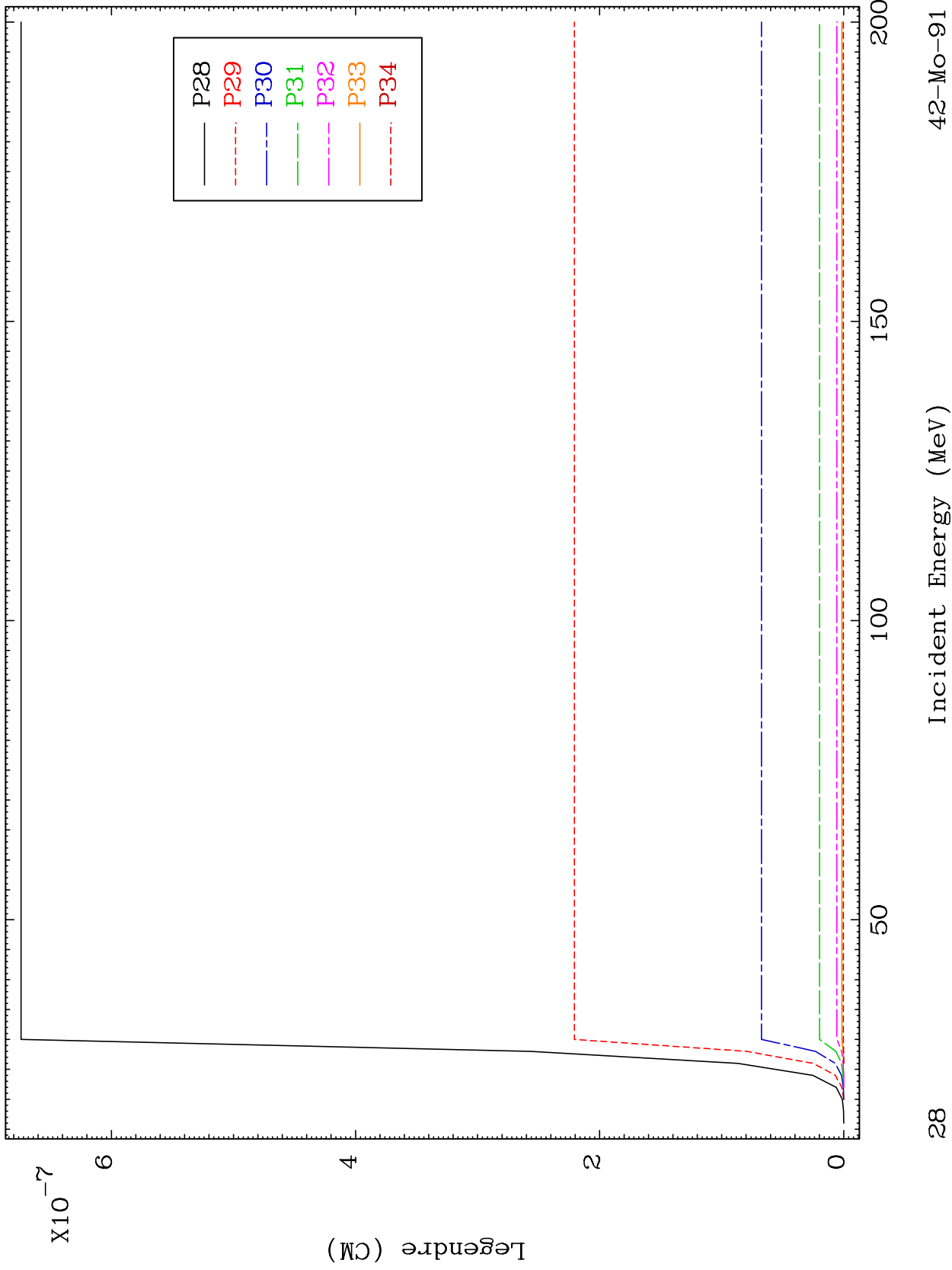
Incident Energy (MeV)

42-Mo-91

MAT 4222

1.362 MeV (n,n') Level
Legendre Coefficients

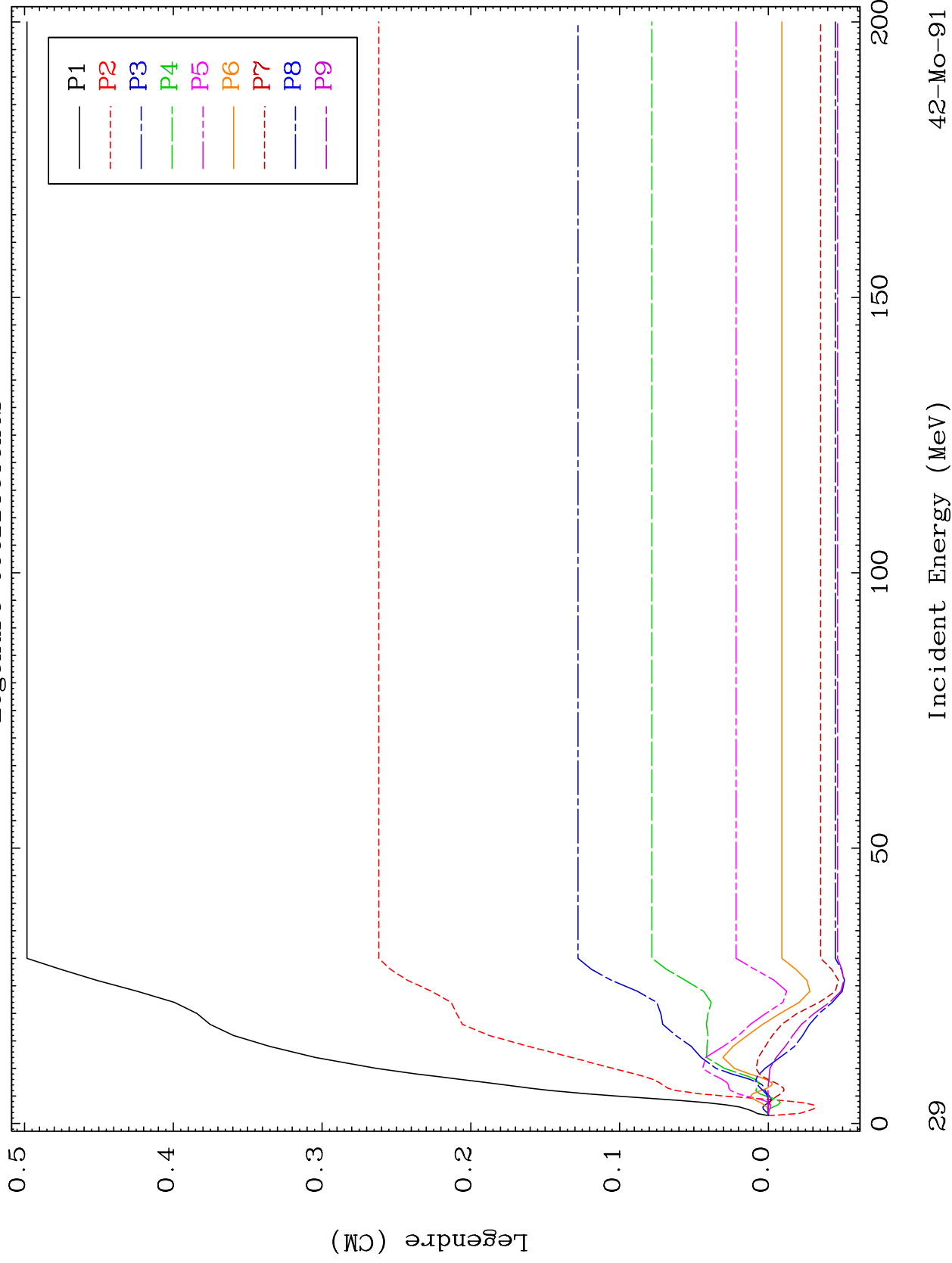
42-Mo-91



MAT 4222

1.414 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



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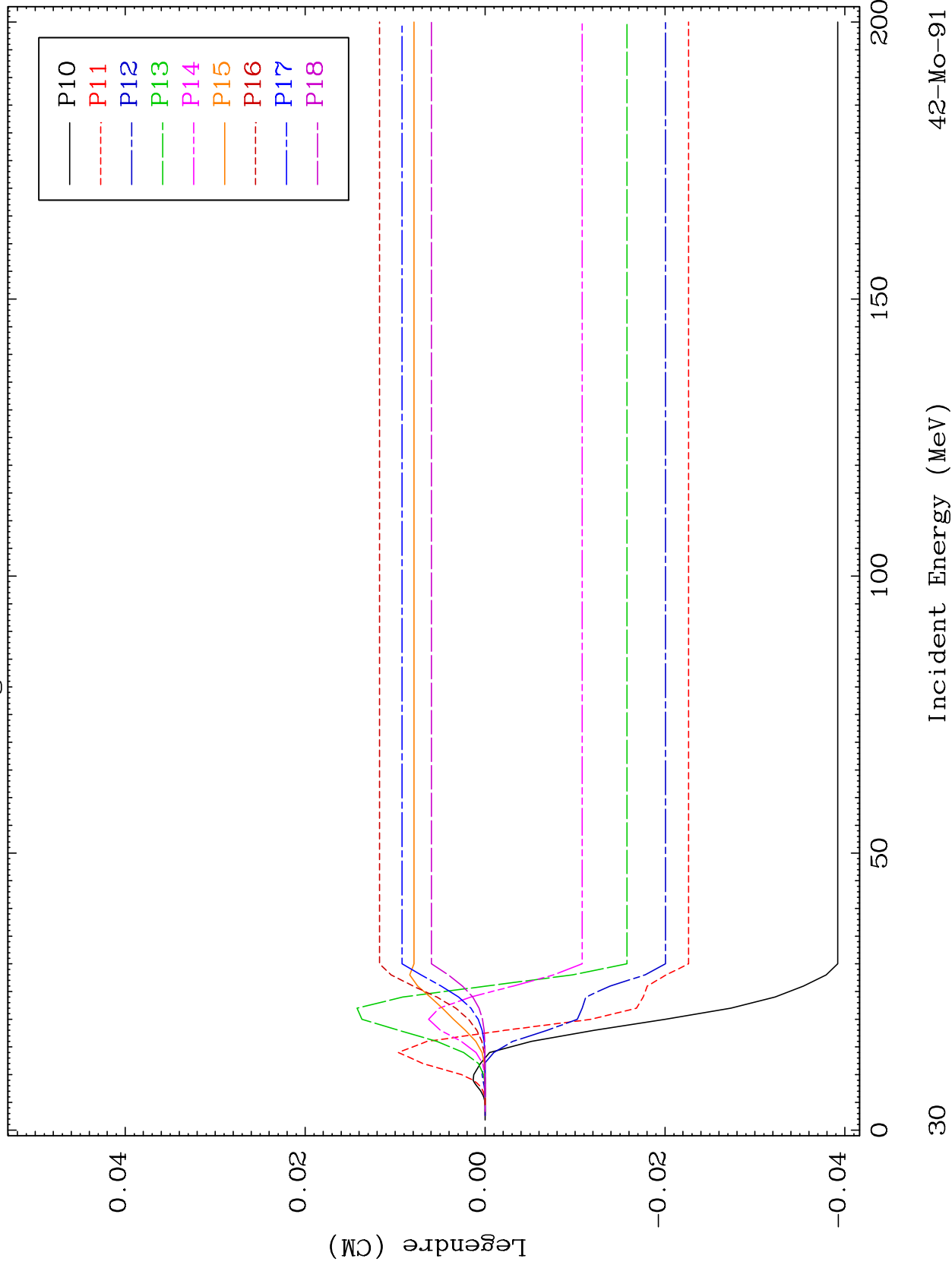
Incident Energy (MeV)

42-Mo-91

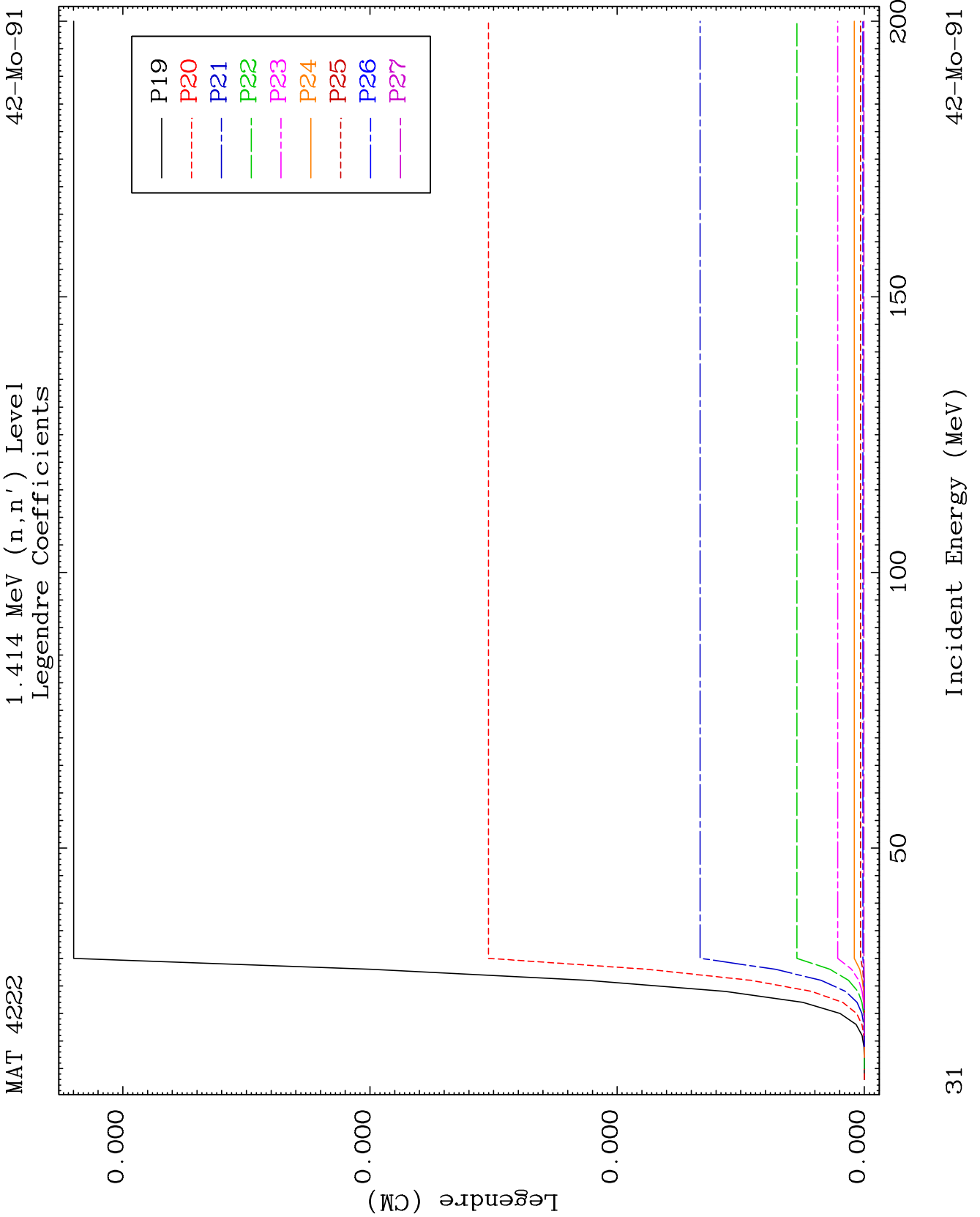
MAT 4222

1.414 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



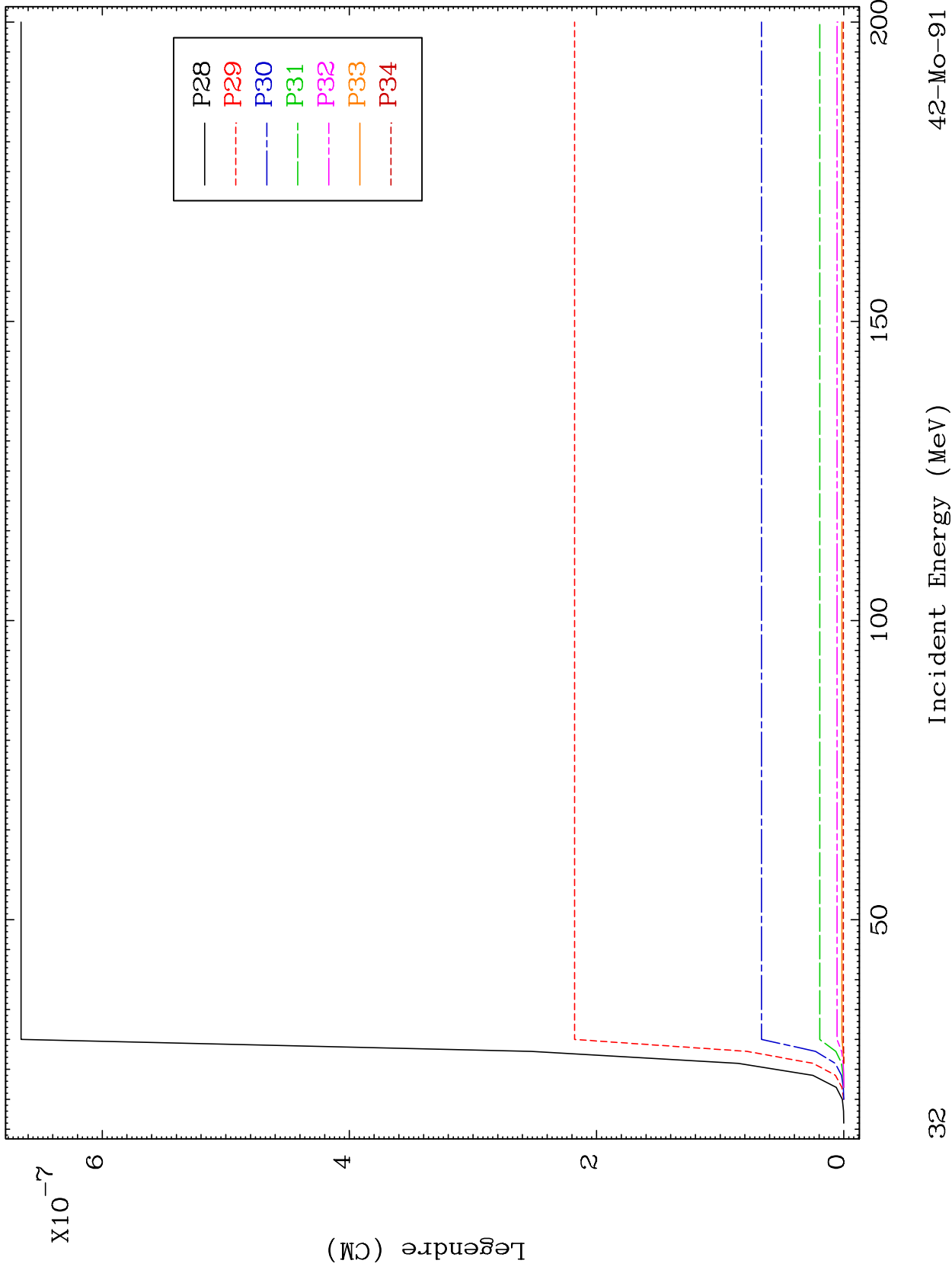
42-Mo-91



MAT 4222

1.414 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



32

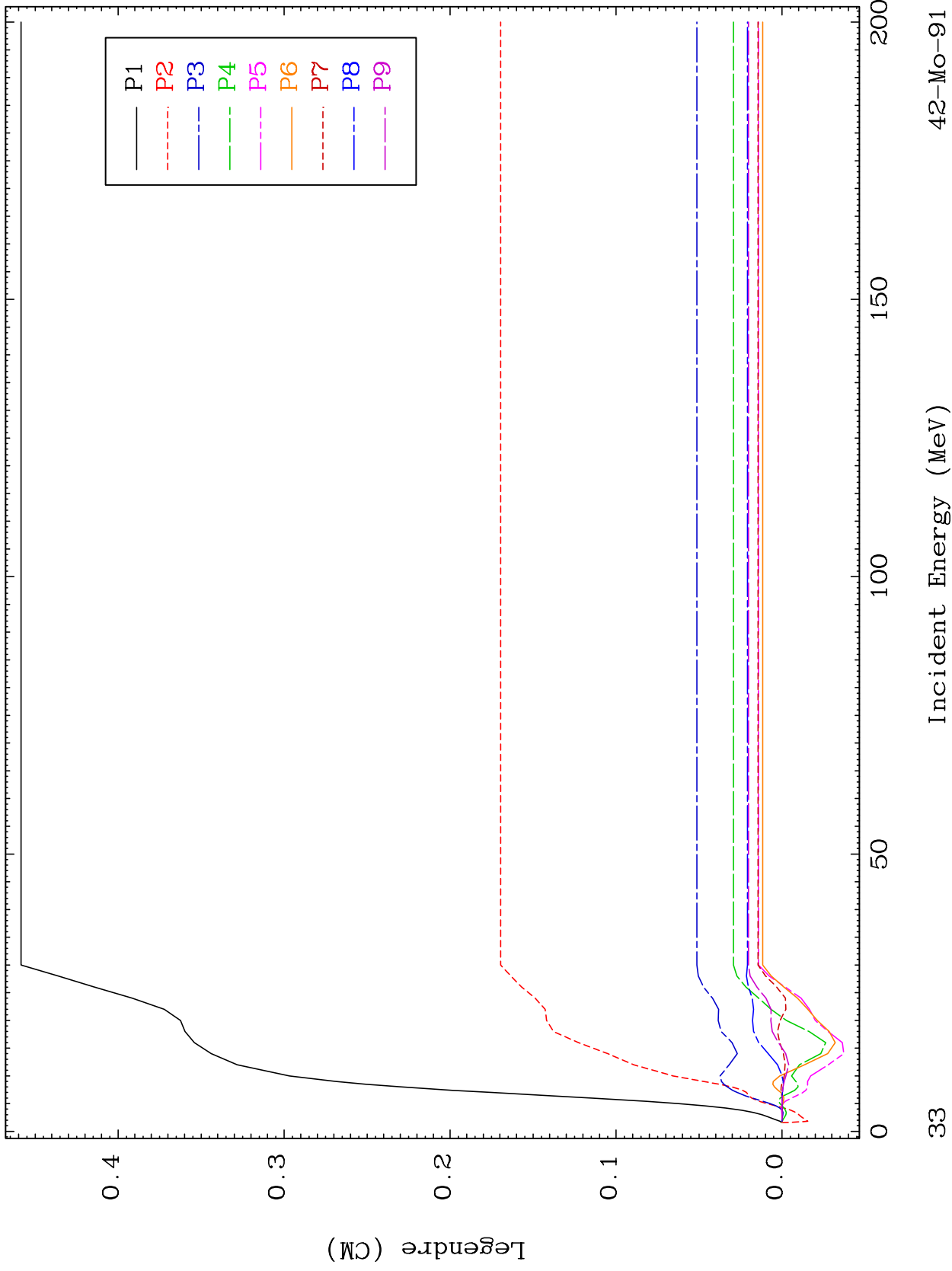
Incident Energy (MeV)

42-Mo-91

MAT 4222

1.532 MeV (n,n') Level
Legendre Coefficients

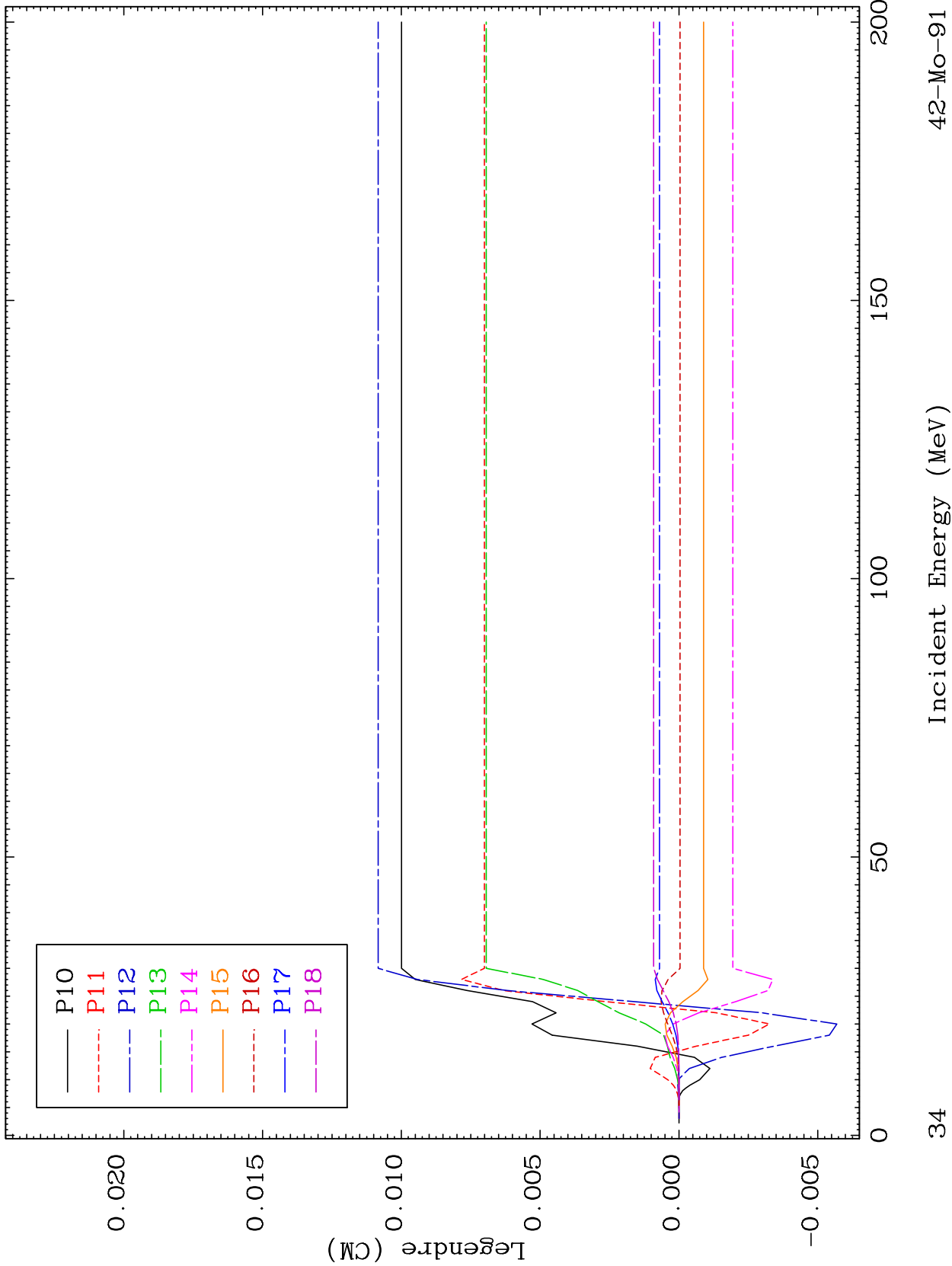
42-Mo-91



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Incident Energy (MeV)

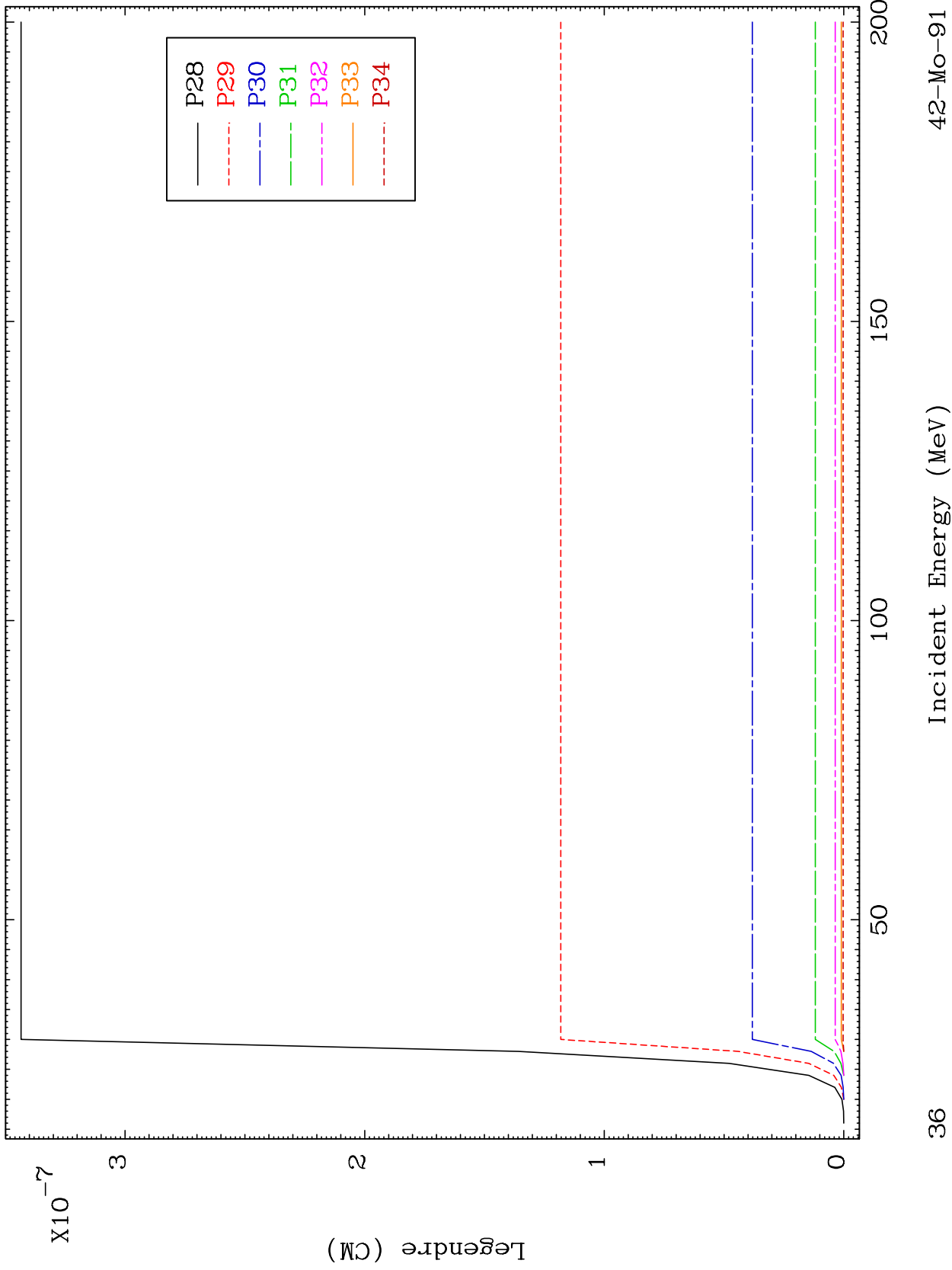
42-Mo-91



MAT 4222

1.532 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



36

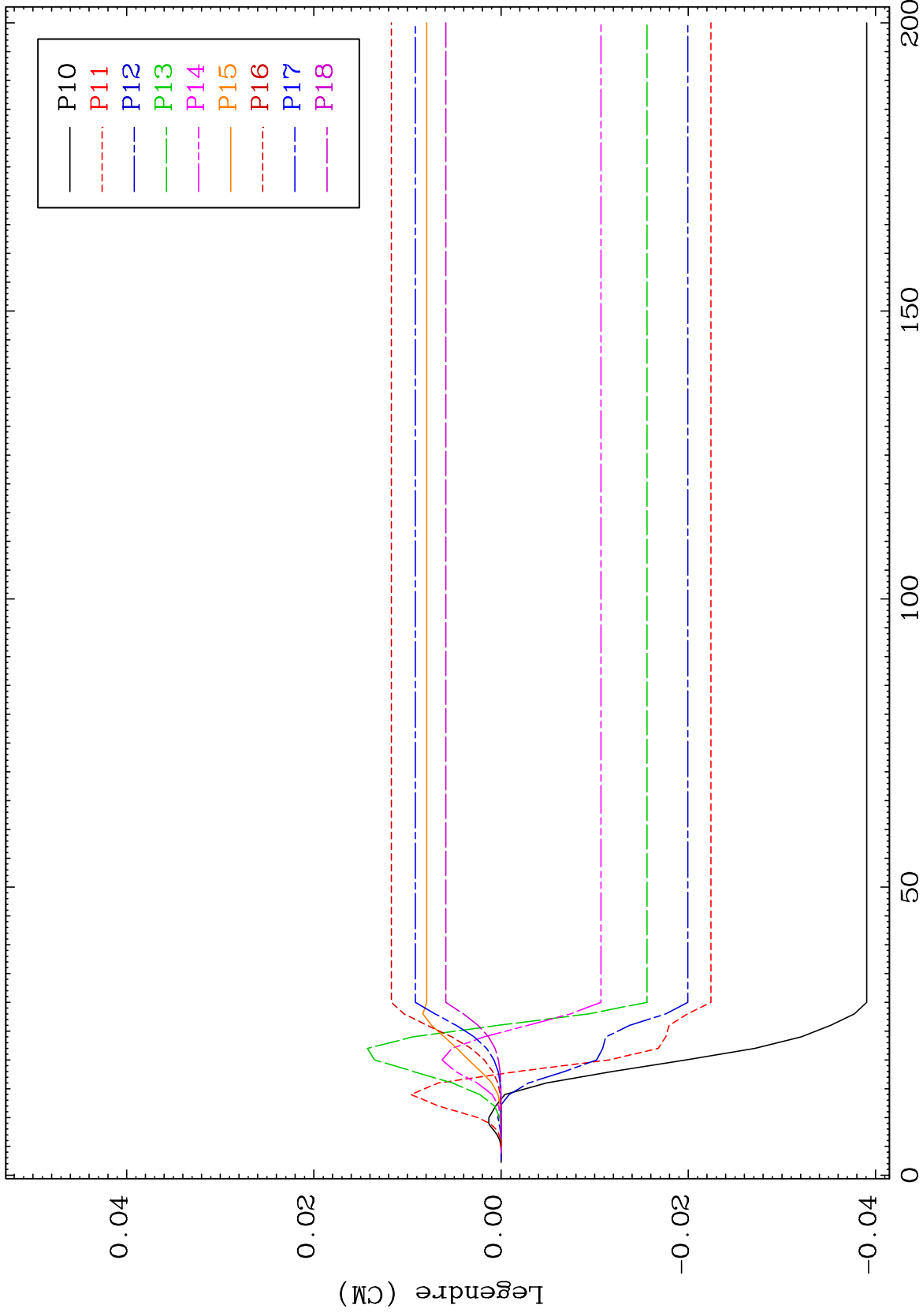
Incident Energy (MeV)

42-Mo-91

MAT 4222

1.565 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



38

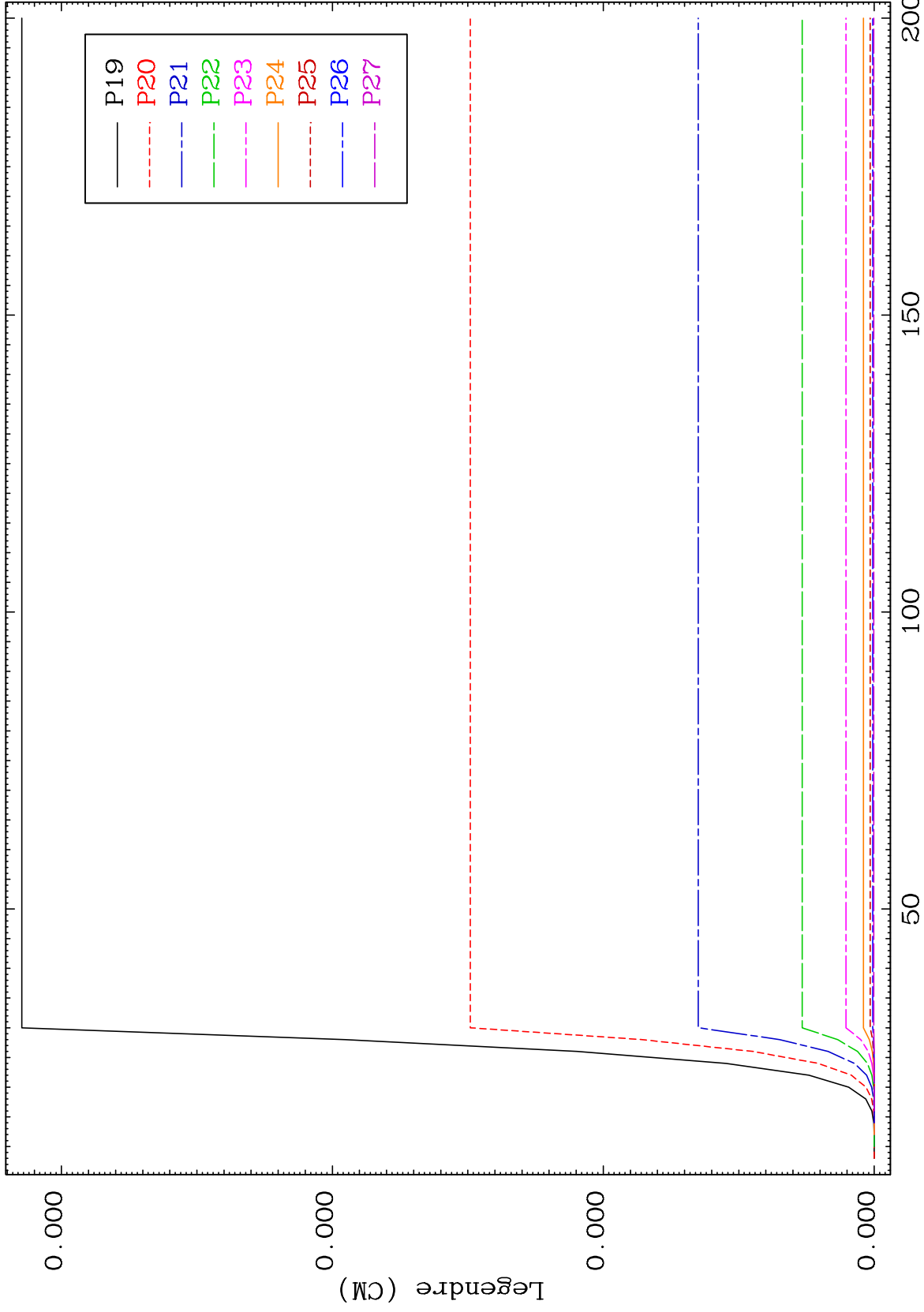
Incident Energy (MeV)

42-Mo-91

MAT 4222

1.565 MeV (n,n') Level
Legendre Coefficients

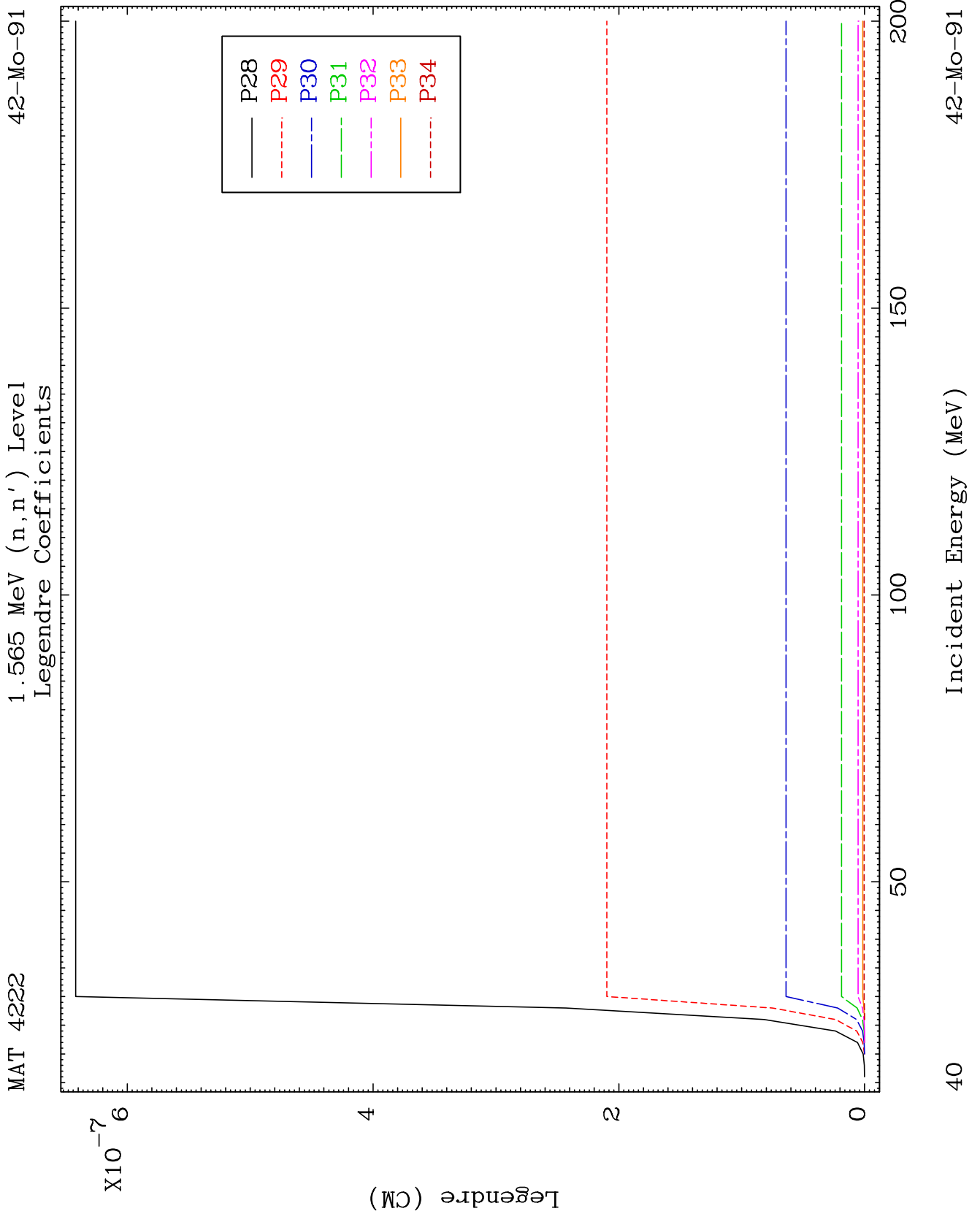
42-Mo-91



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Incident Energy (MeV)

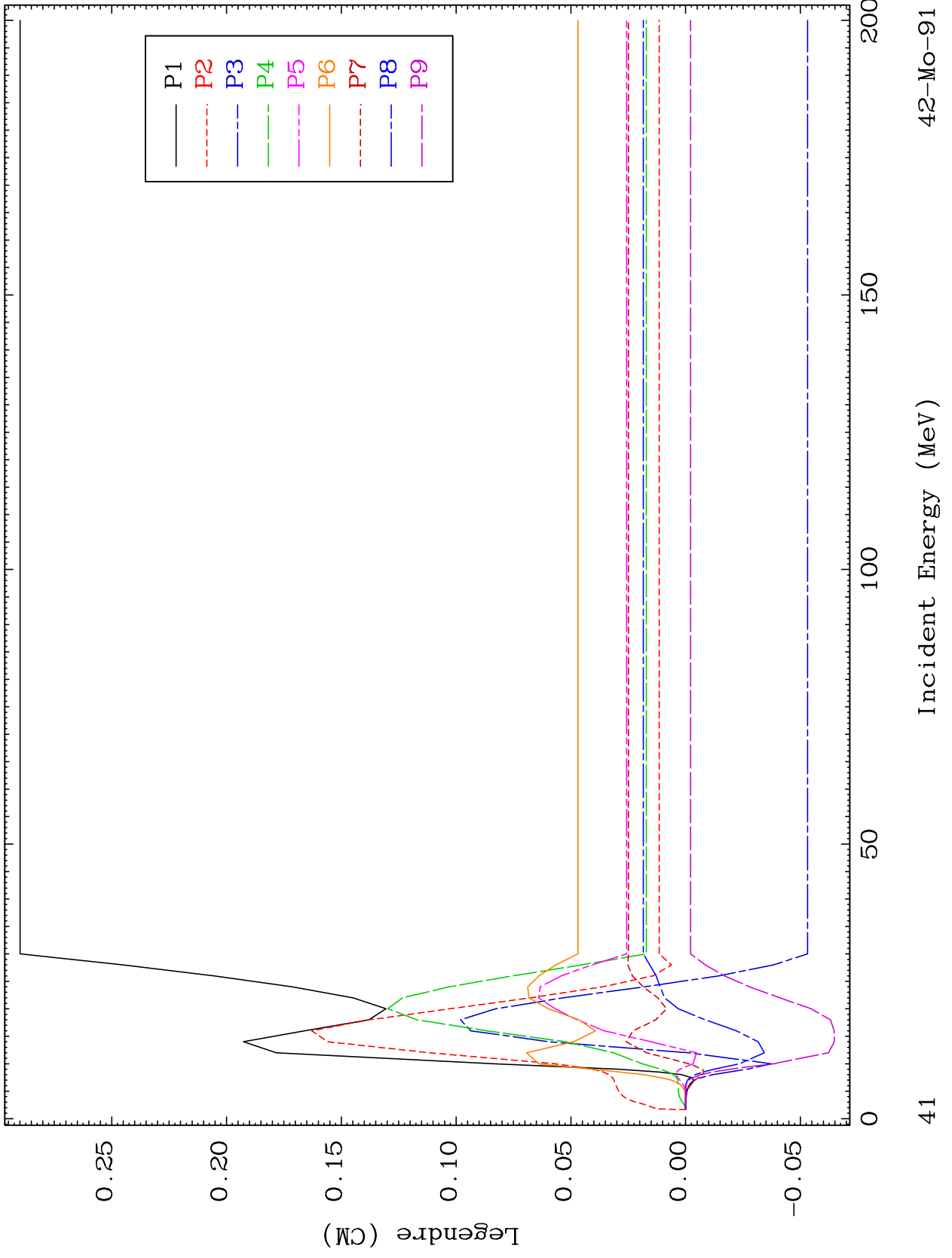
42-Mo-91



MAT 4222

1.605 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



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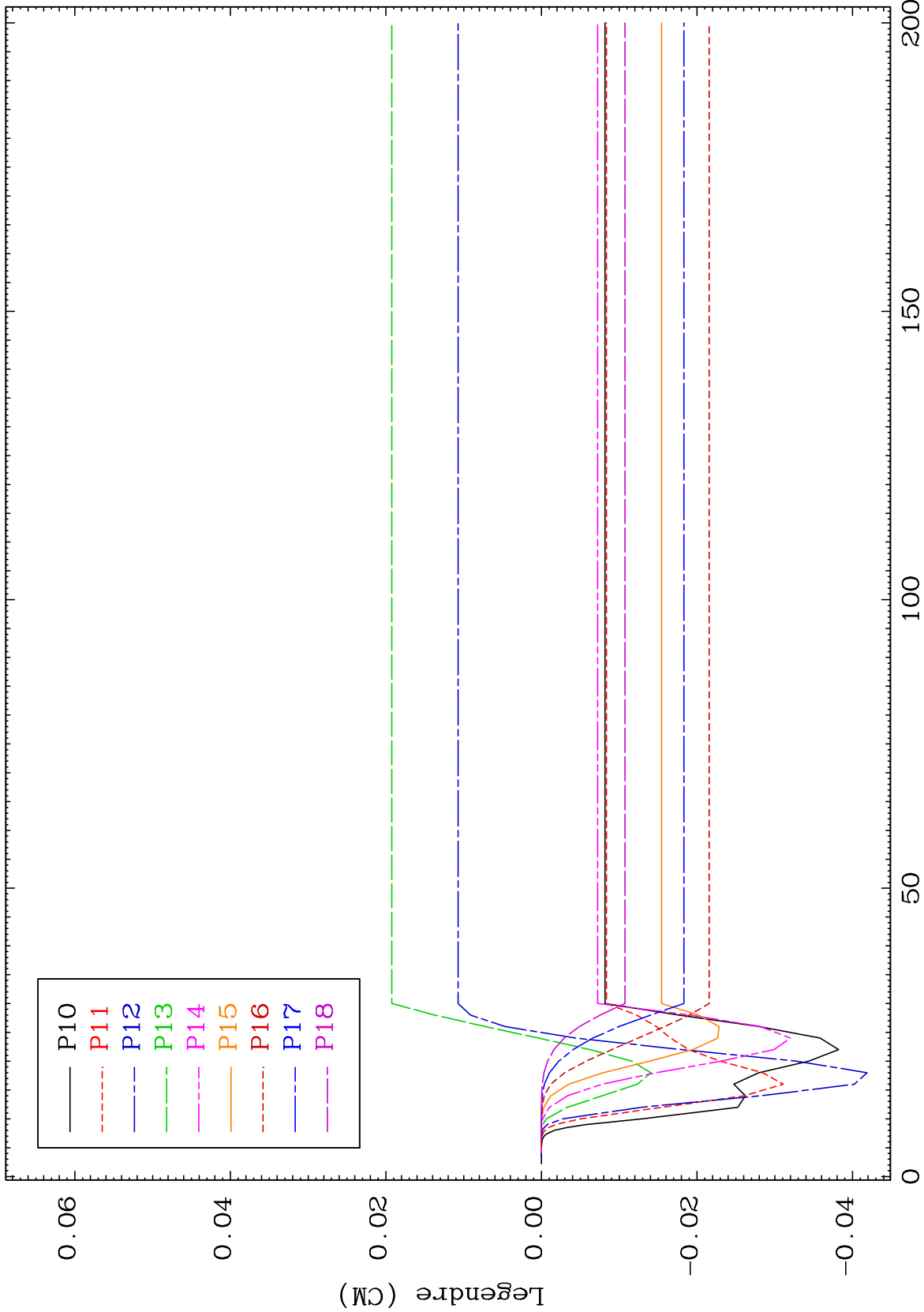
Incident Energy (MeV)

42-Mo-91

MAT 4222

1.605 MeV (n, n') Level
Legendre Coefficients

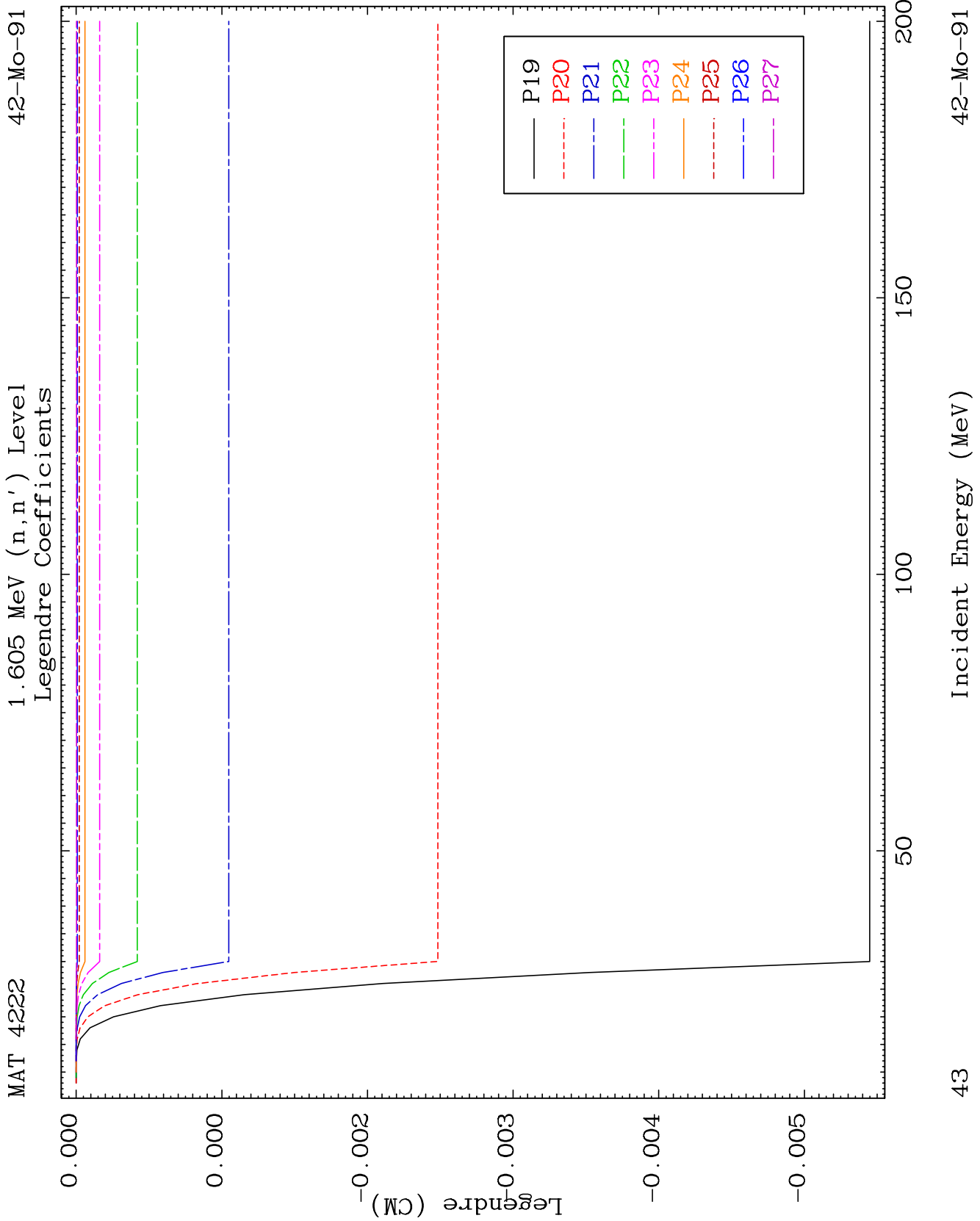
42-Mo-91



42

Incident Energy (MeV)

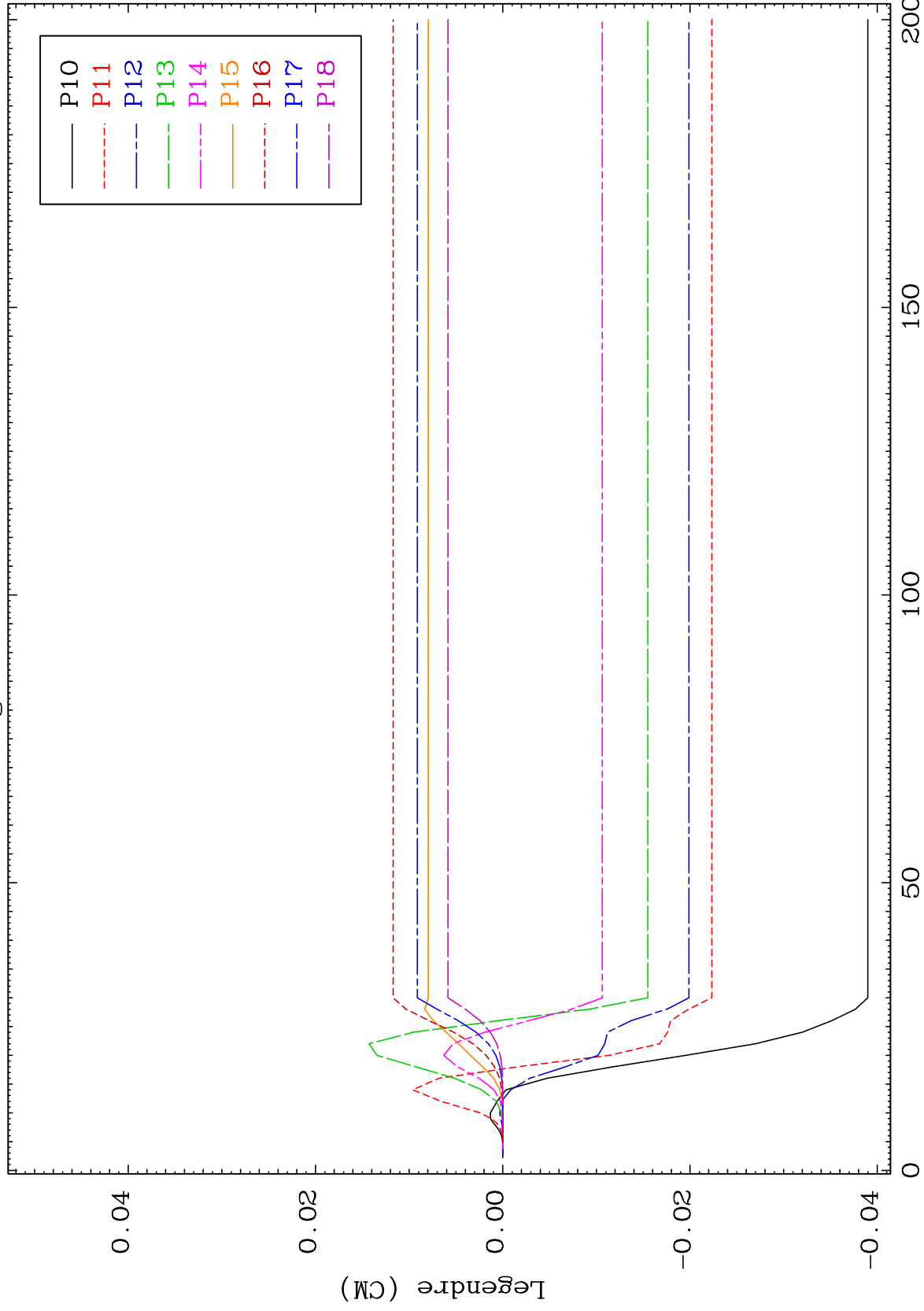
42-Mo-91



MAT 4222

1.640 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



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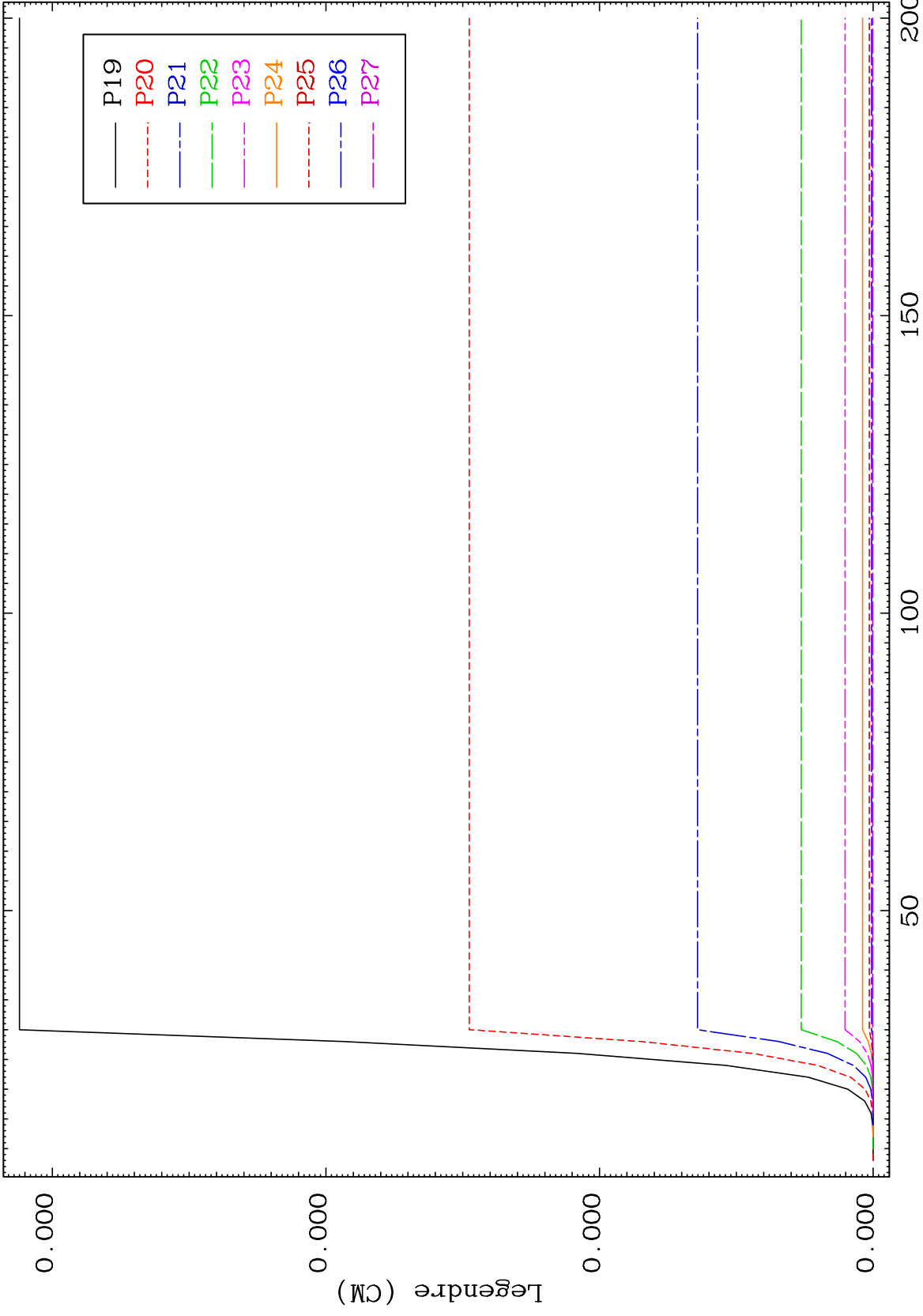
Incident Energy (MeV)

42-Mo-91

MAT 4222

1.640 MeV (n,n') Level
Legendre Coefficients

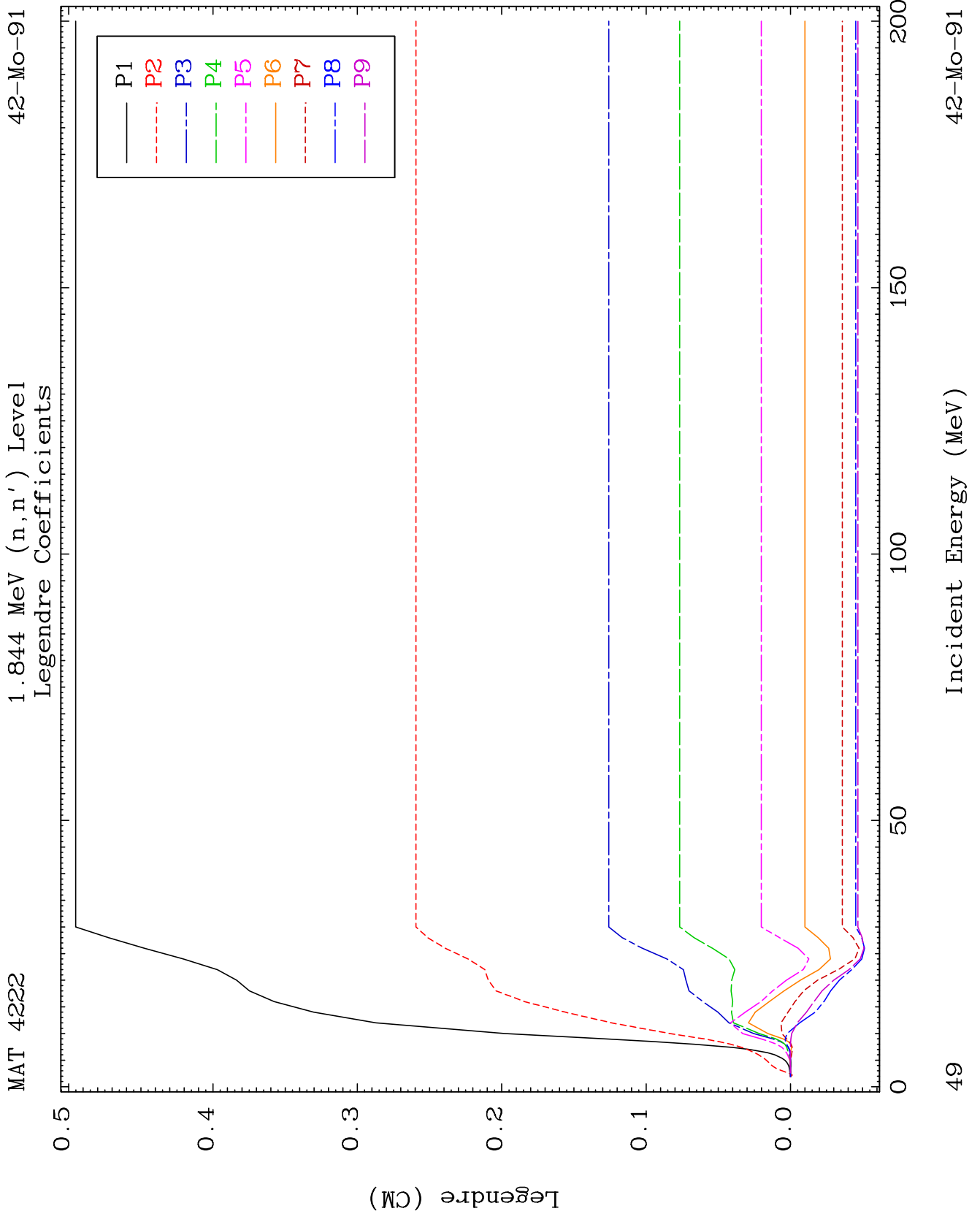
42-Mo-91



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Incident Energy (MeV)

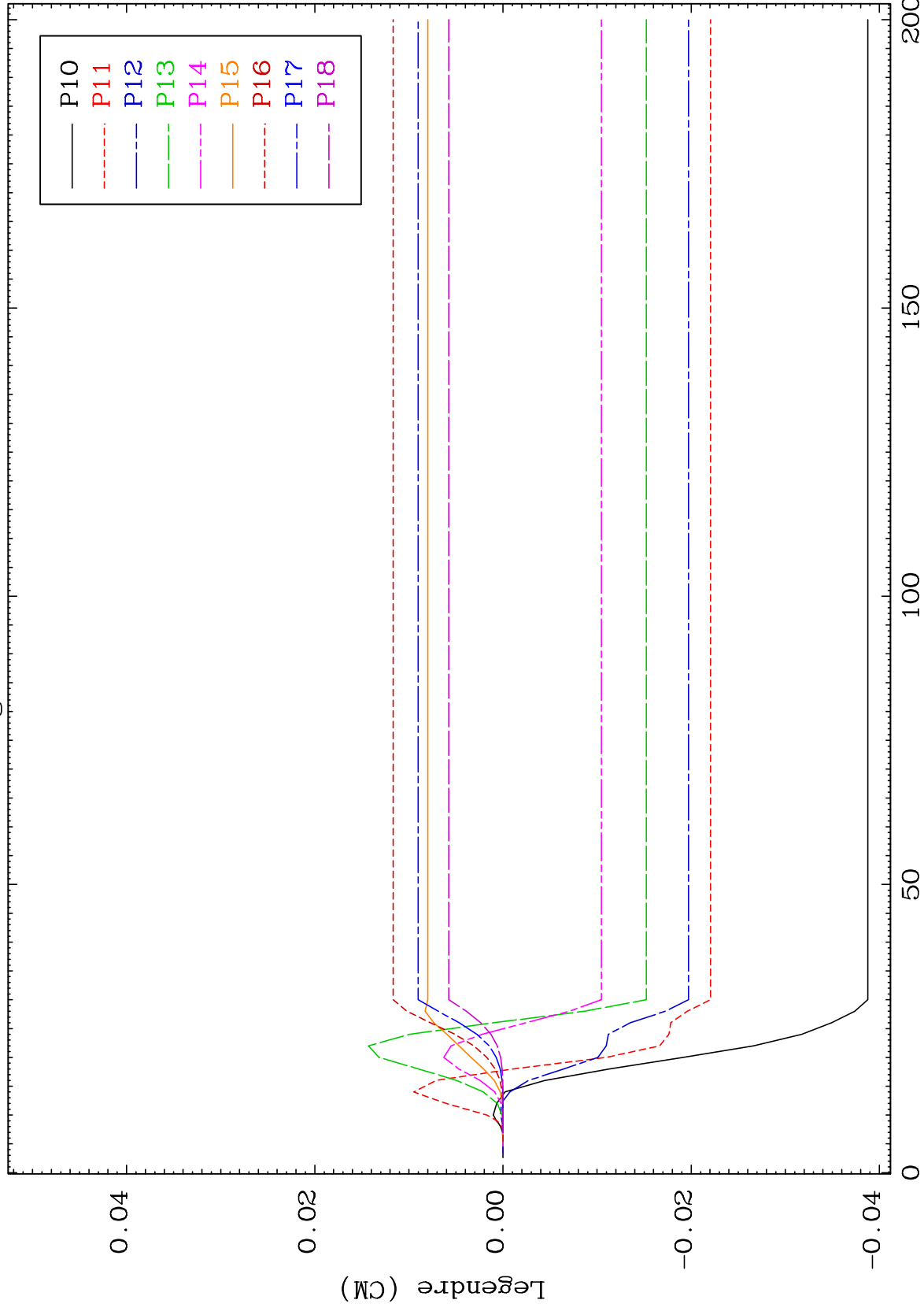
42-Mo-91



MAT 4222

1.844 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



50

Incident Energy (MeV)

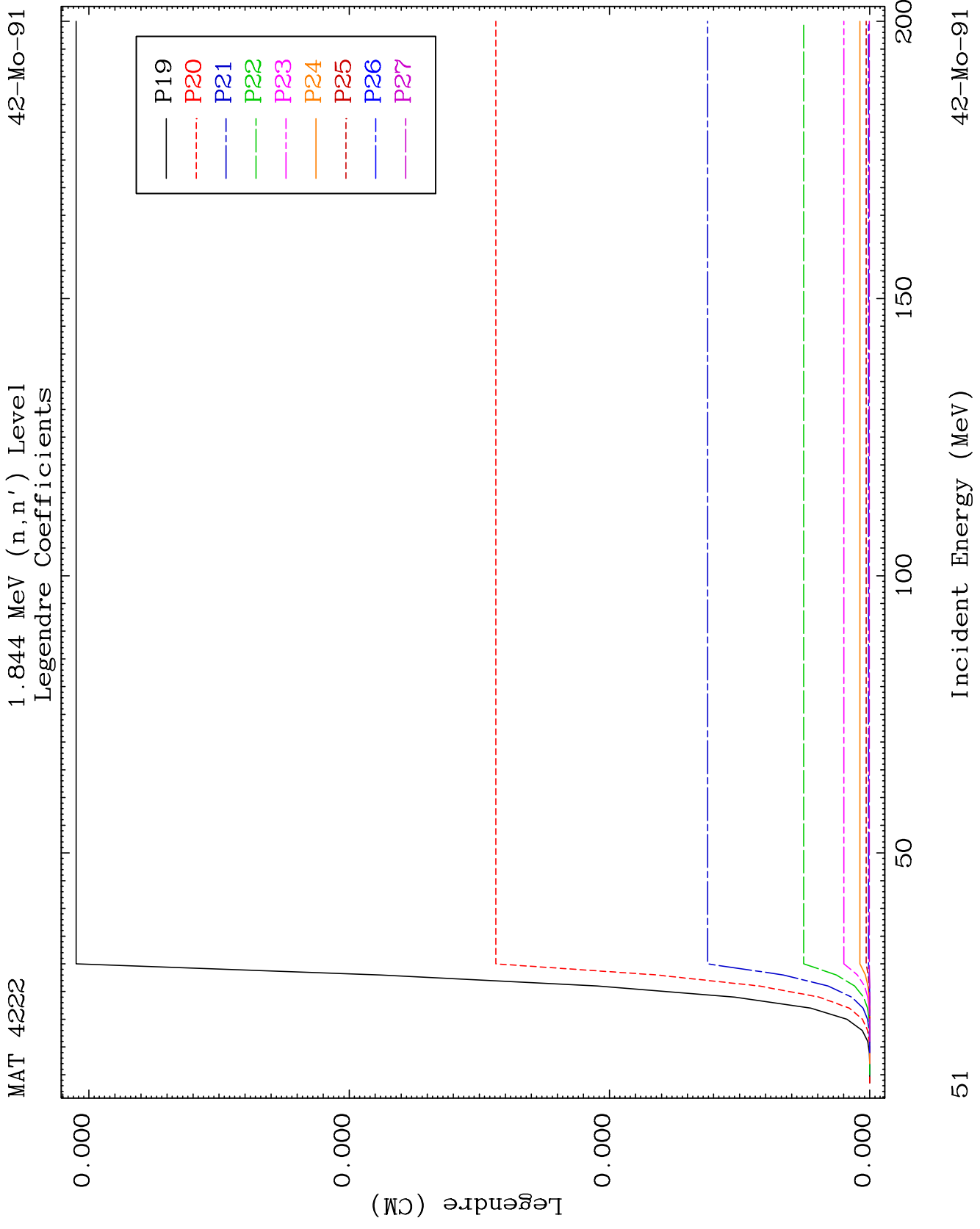
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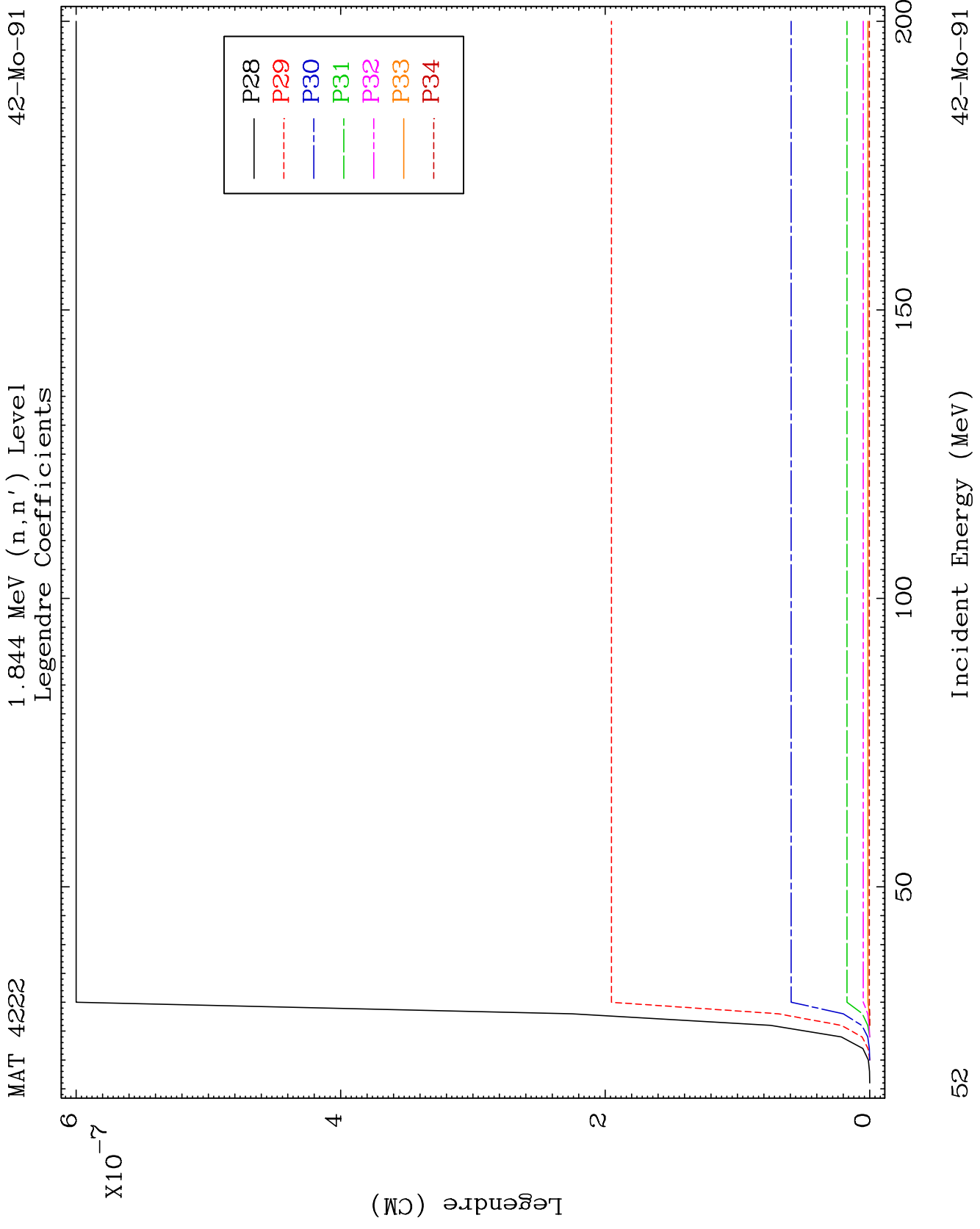
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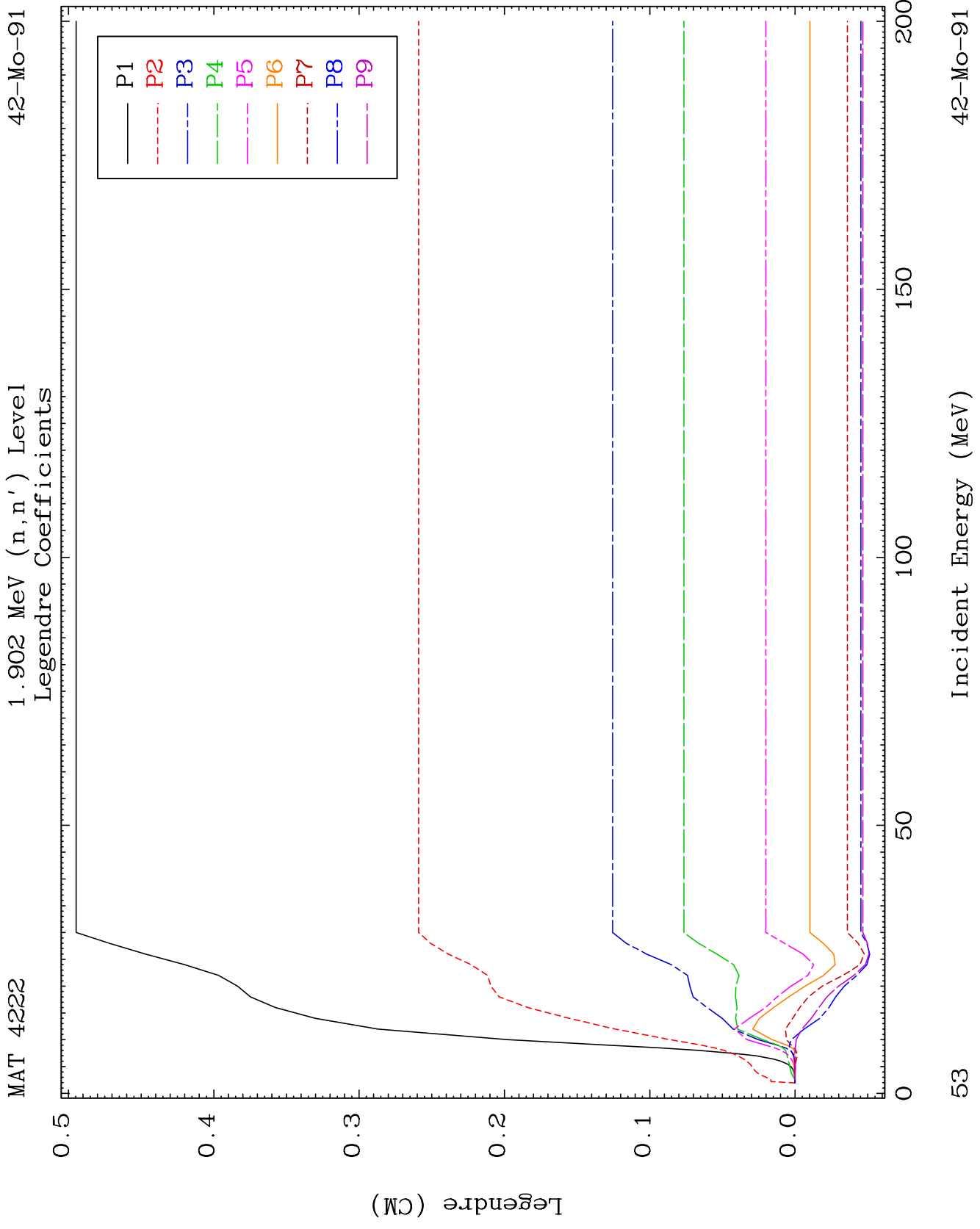
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42-Mo-91



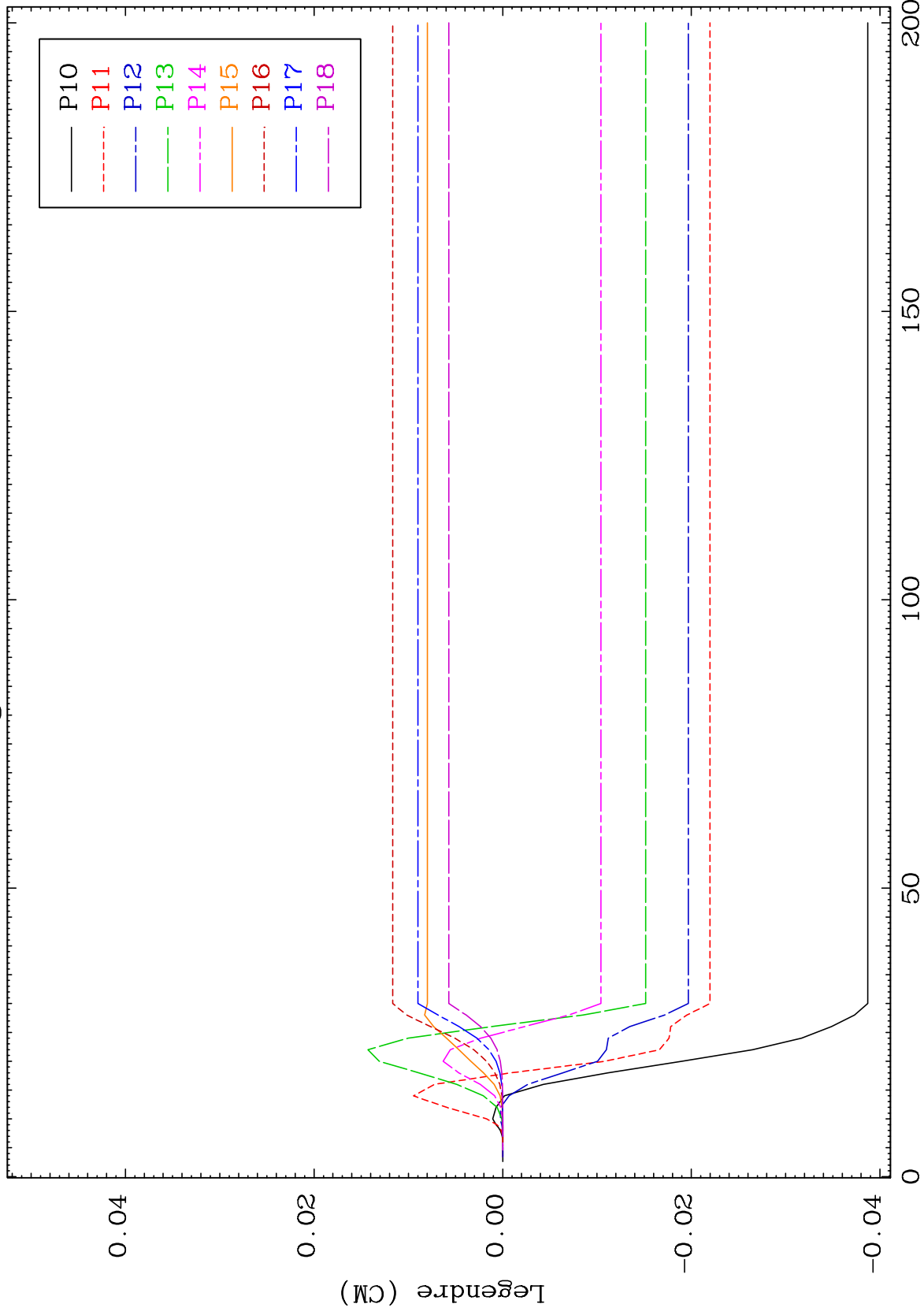




MAT 4222

1.902 MeV (n,n') Level
Legendre Coefficients

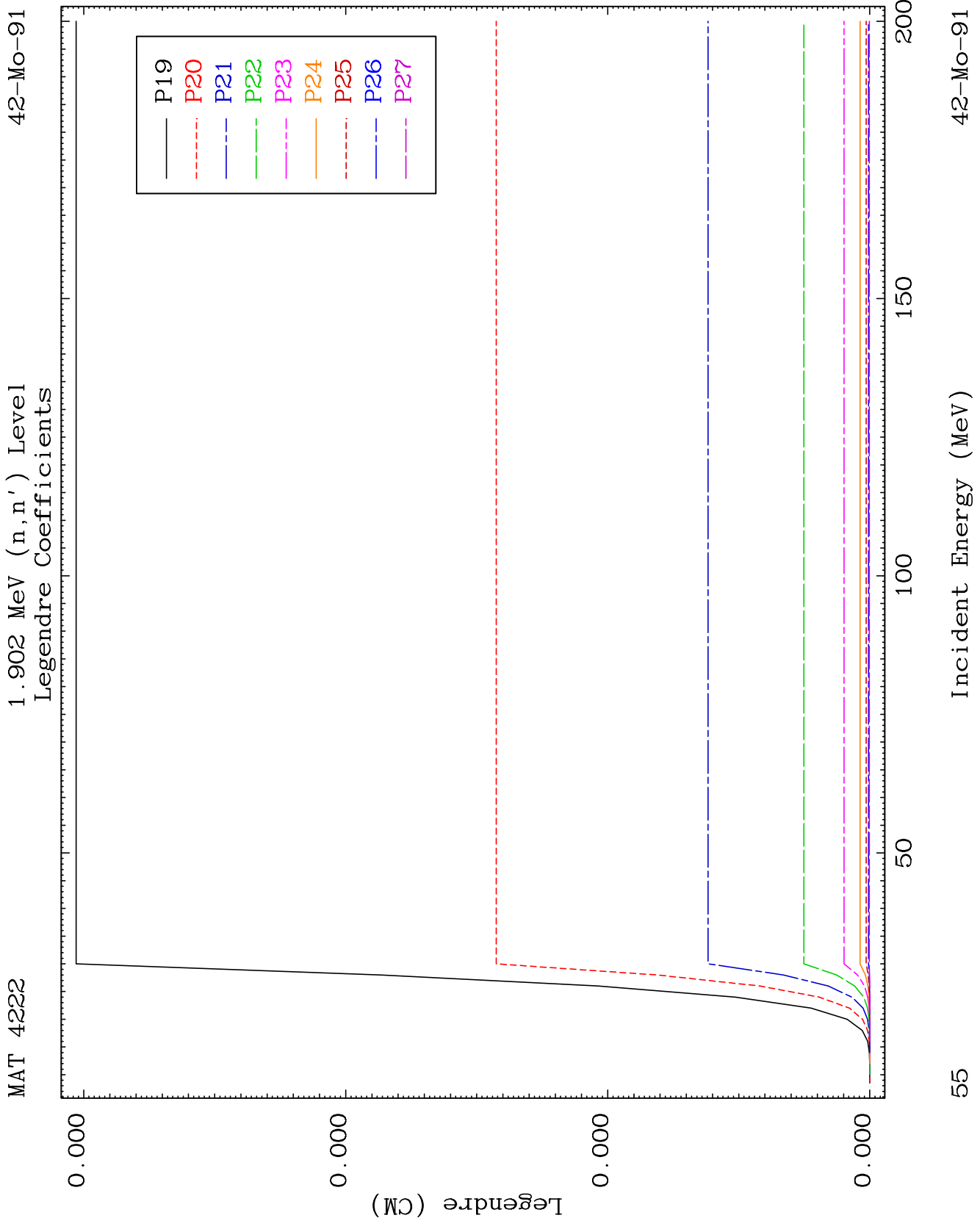
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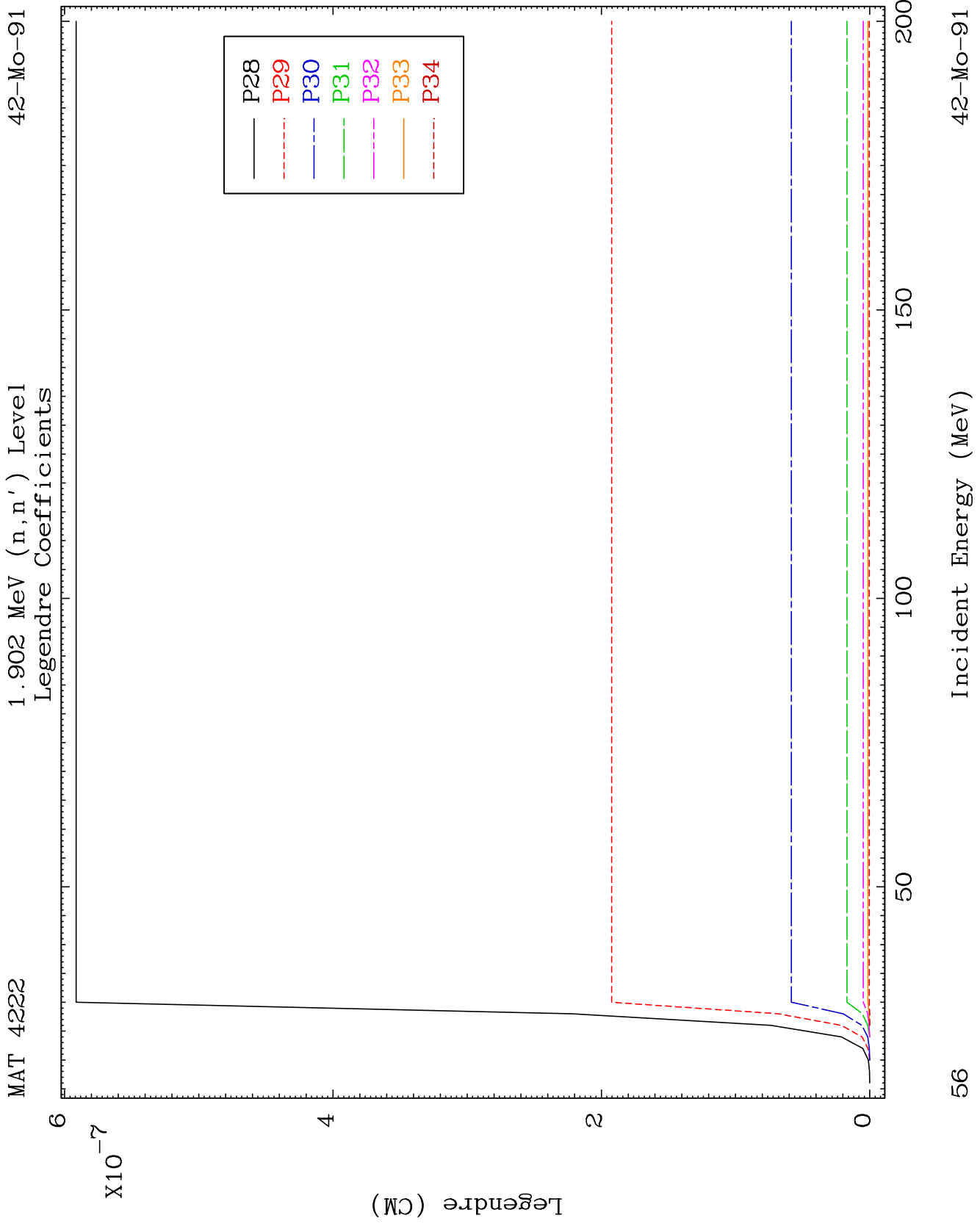


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Incident Energy (MeV)

42-Mo-91

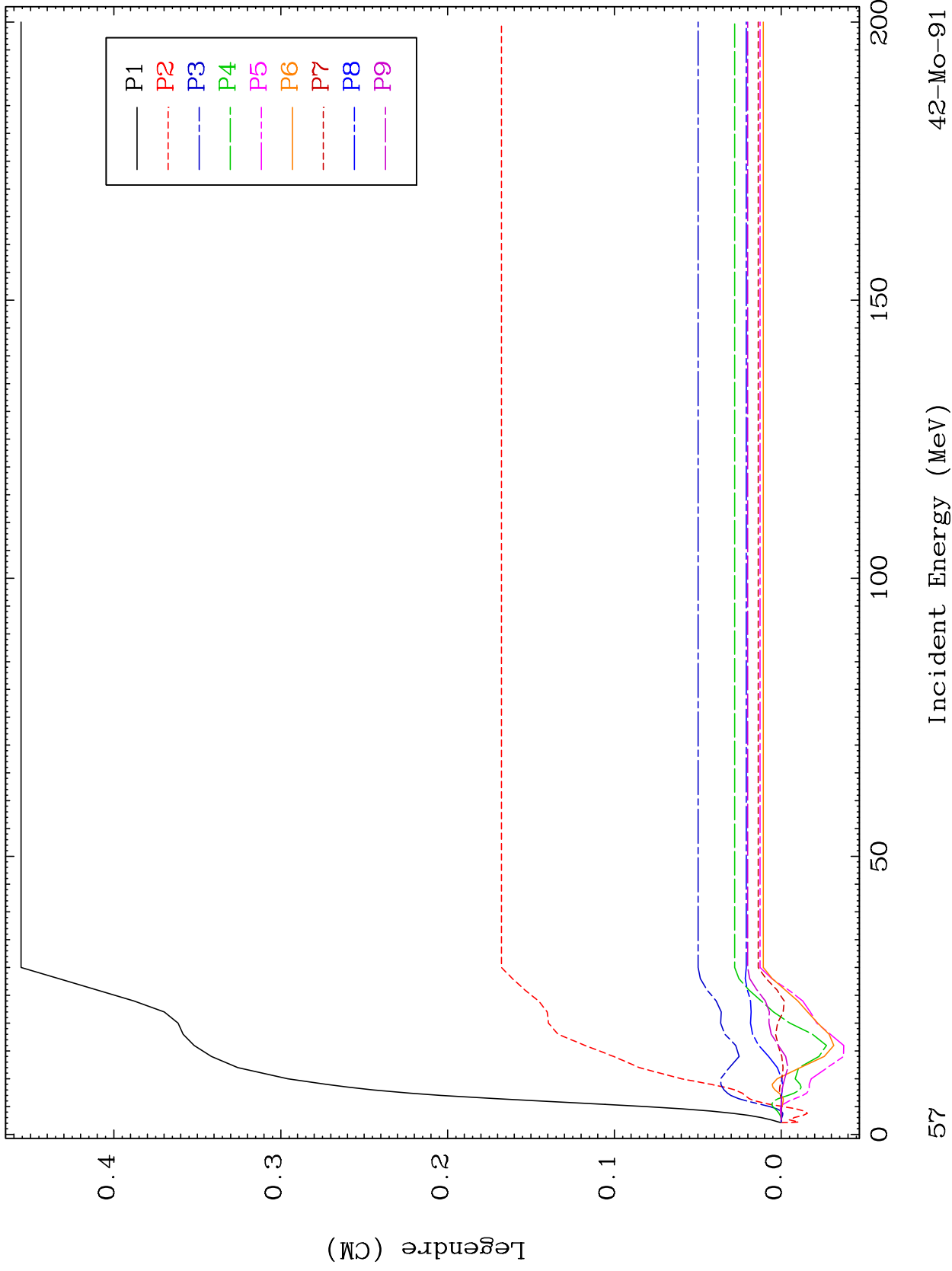




MAT 4222

2.068 MeV (n,n') Level
Legendre Coefficients

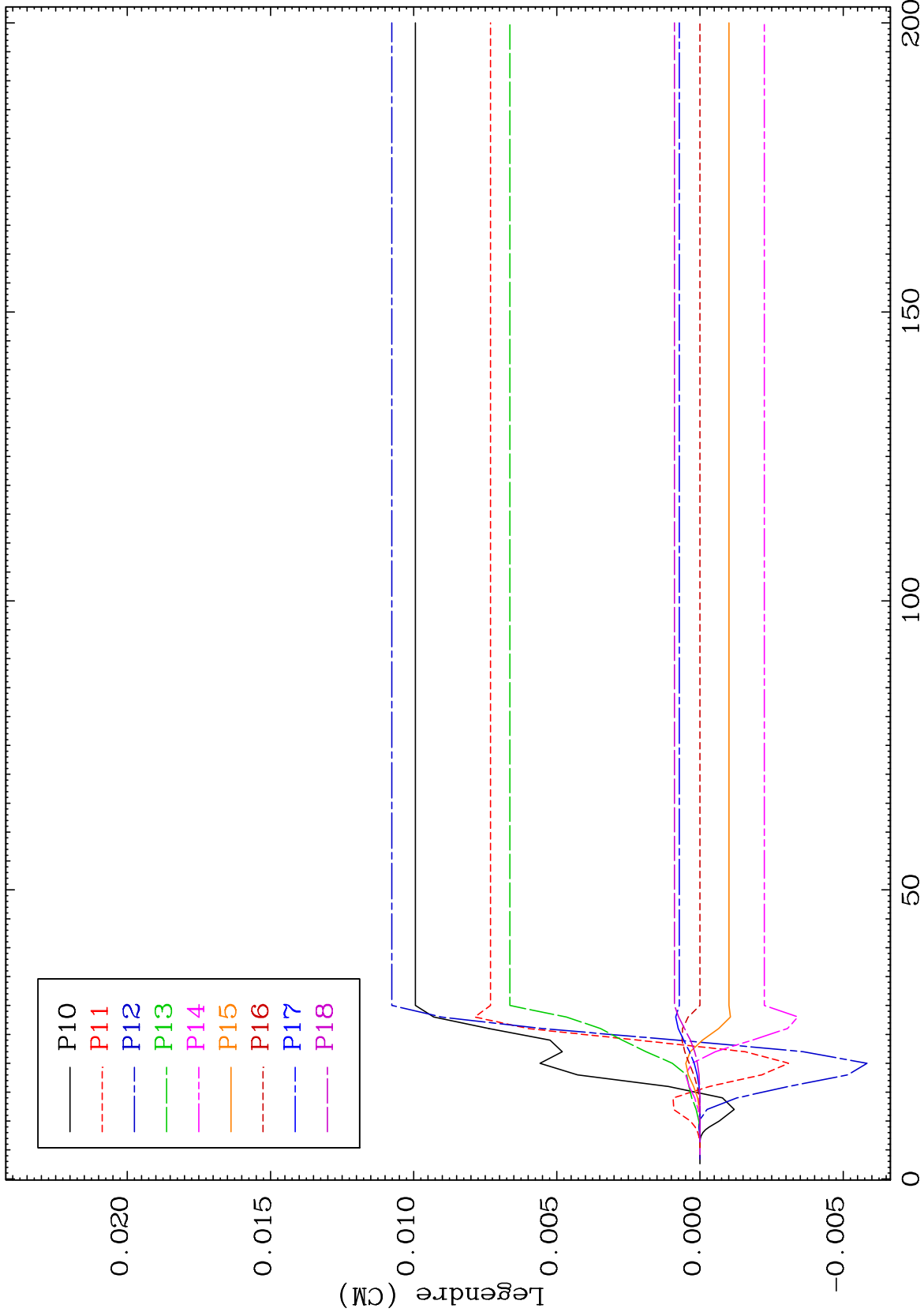
42-Mo-91

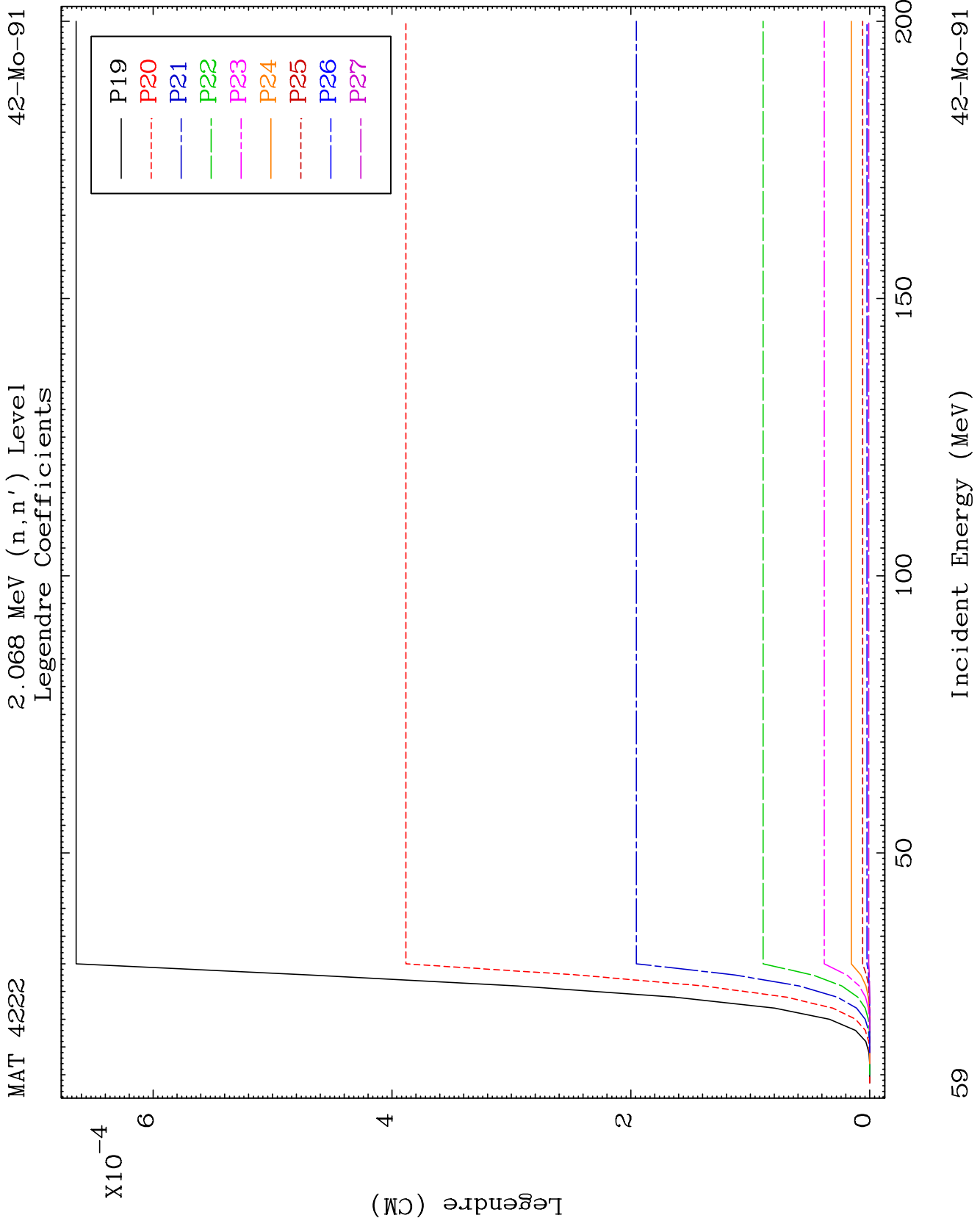


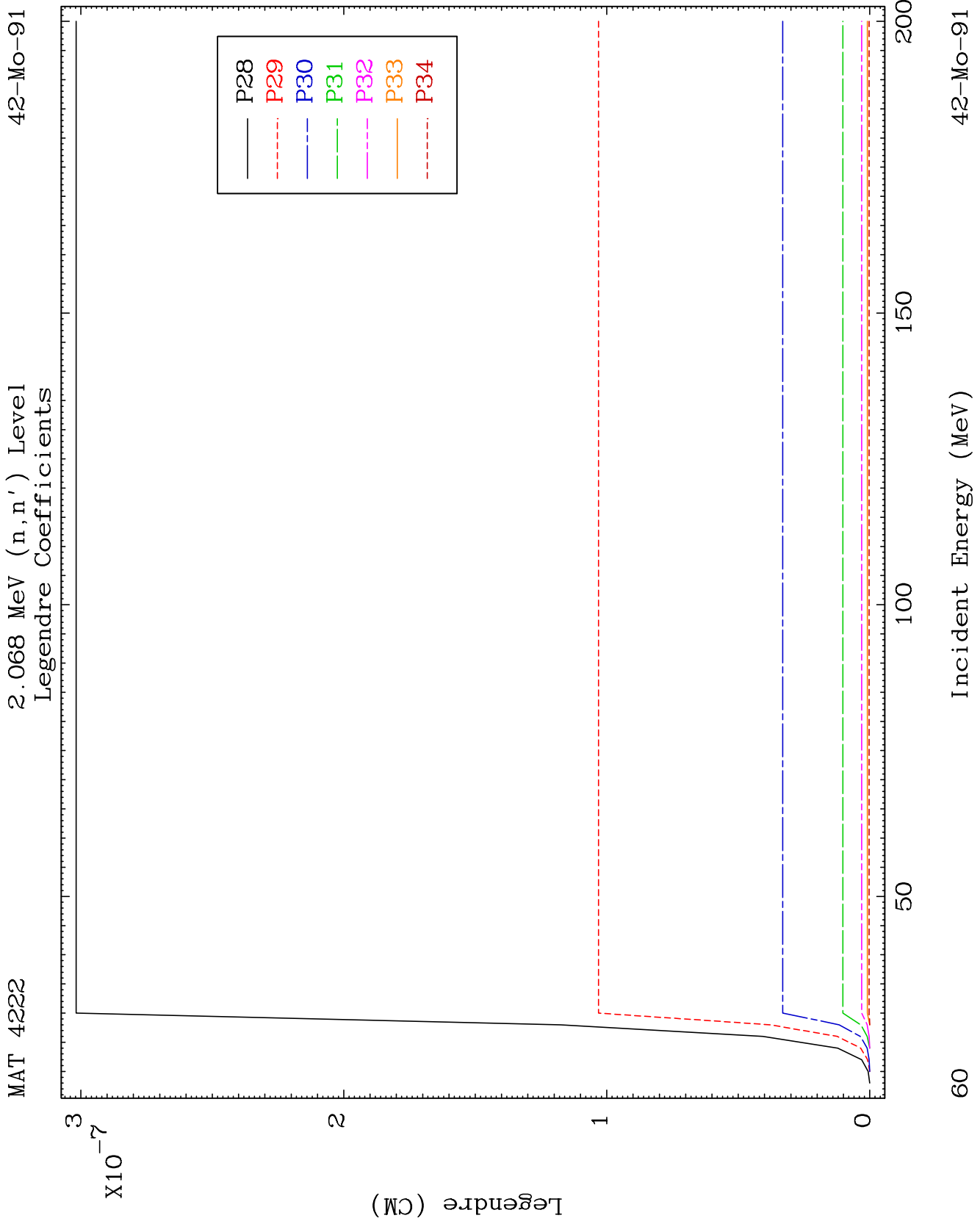
57

Incident Energy (MeV)

42-Mo-91



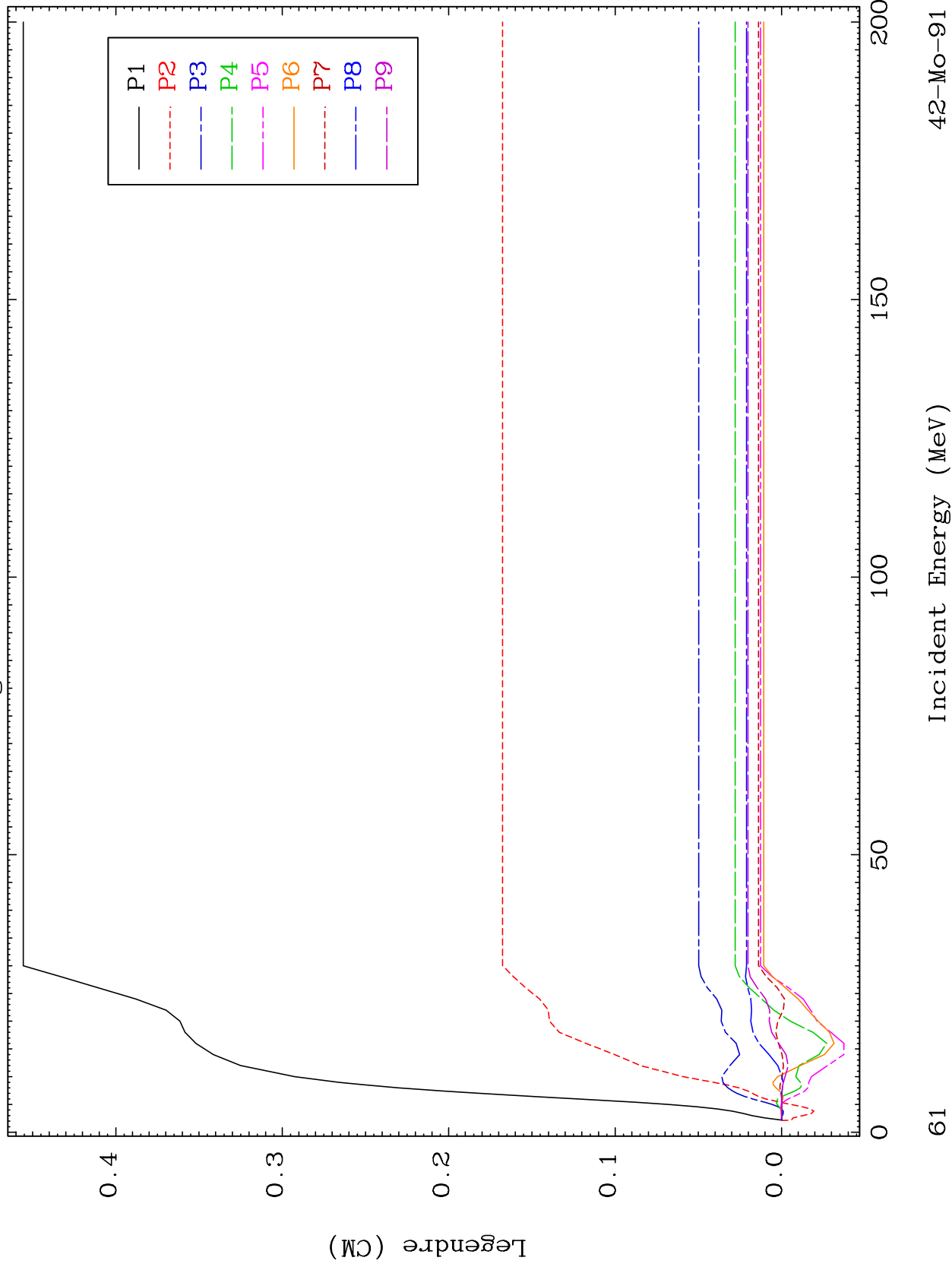




MAT 4222

2.084 MeV (n,n') Level
Legendre Coefficients

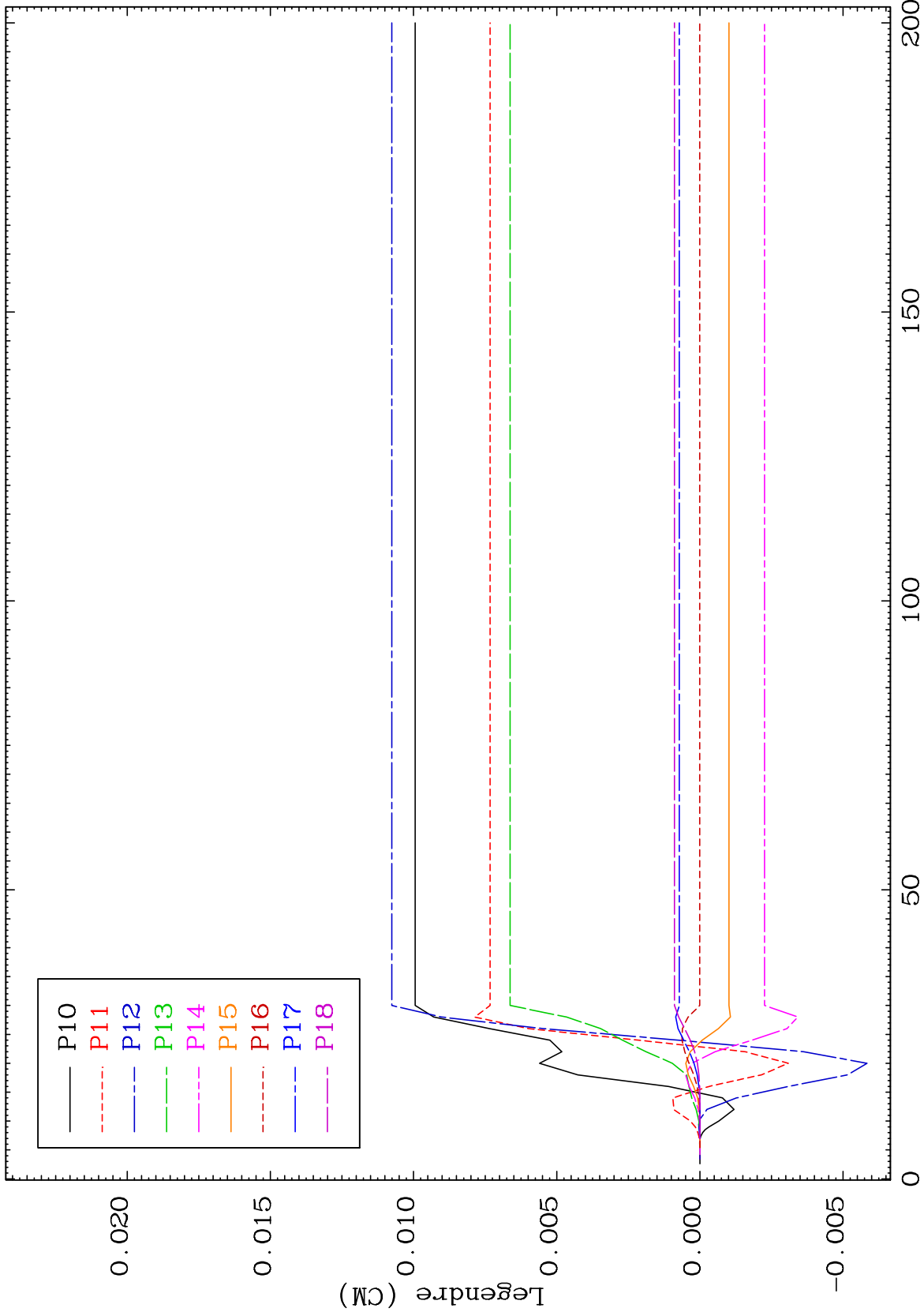
42-Mo-91

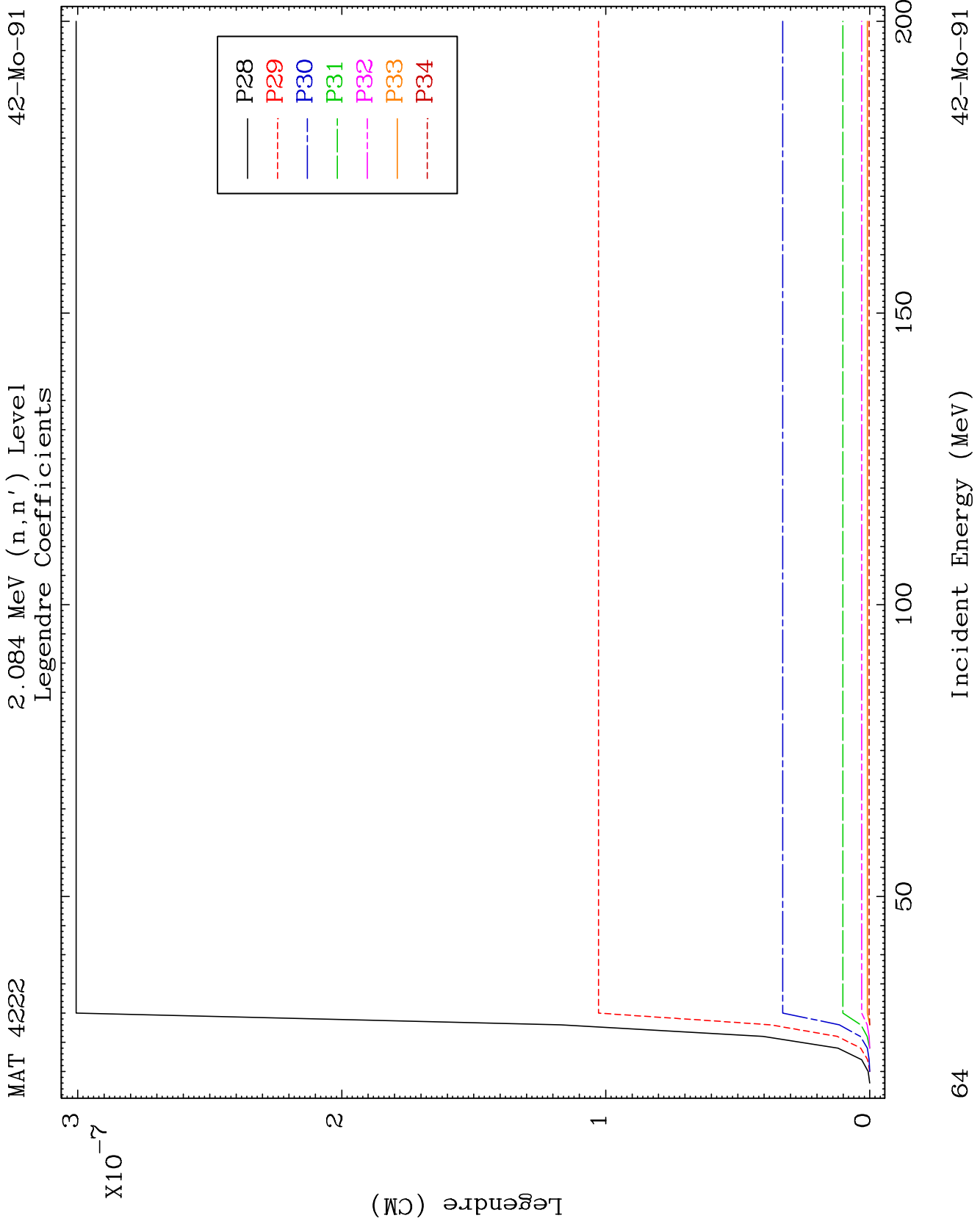


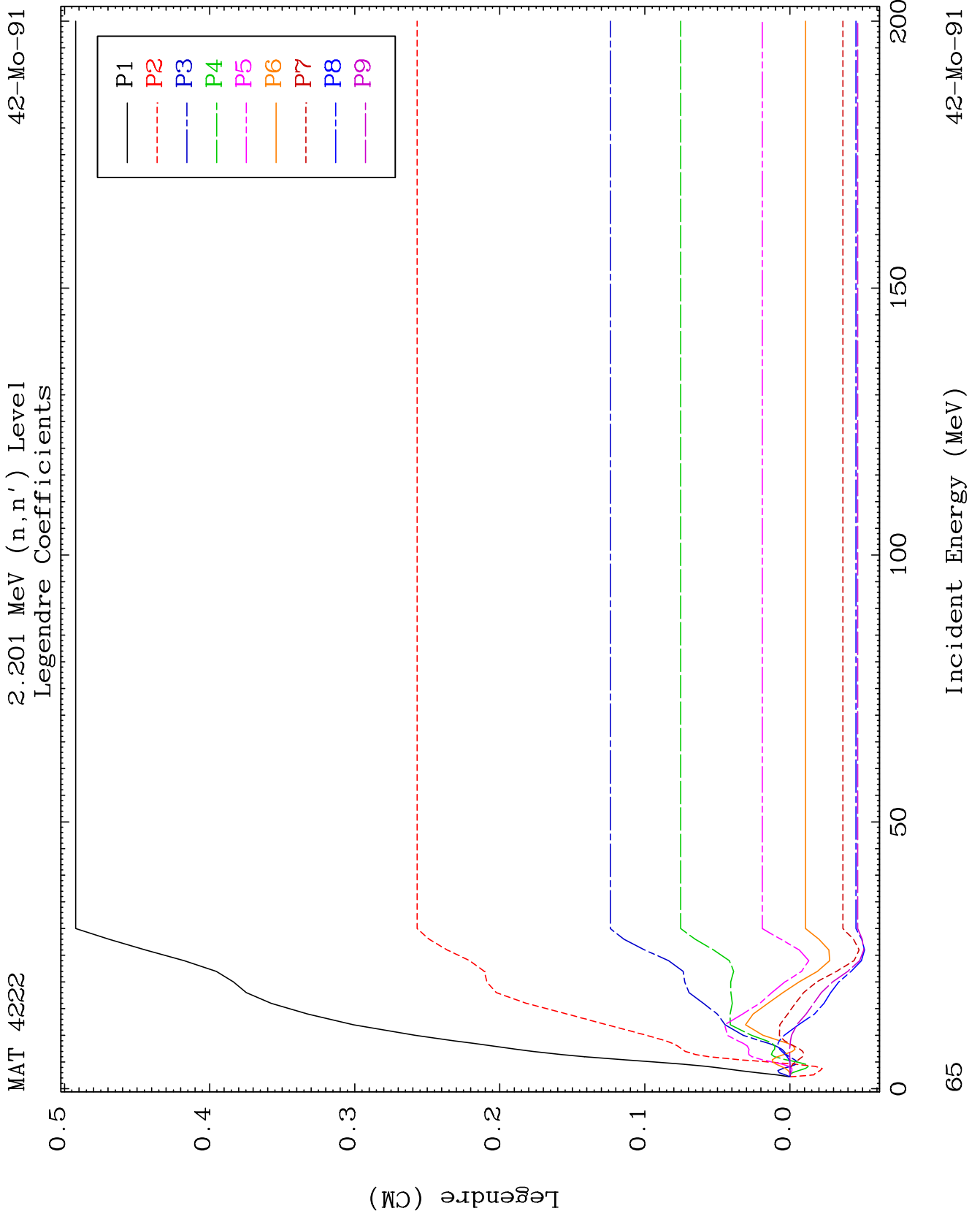
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Incident Energy (MeV)

42-Mo-91



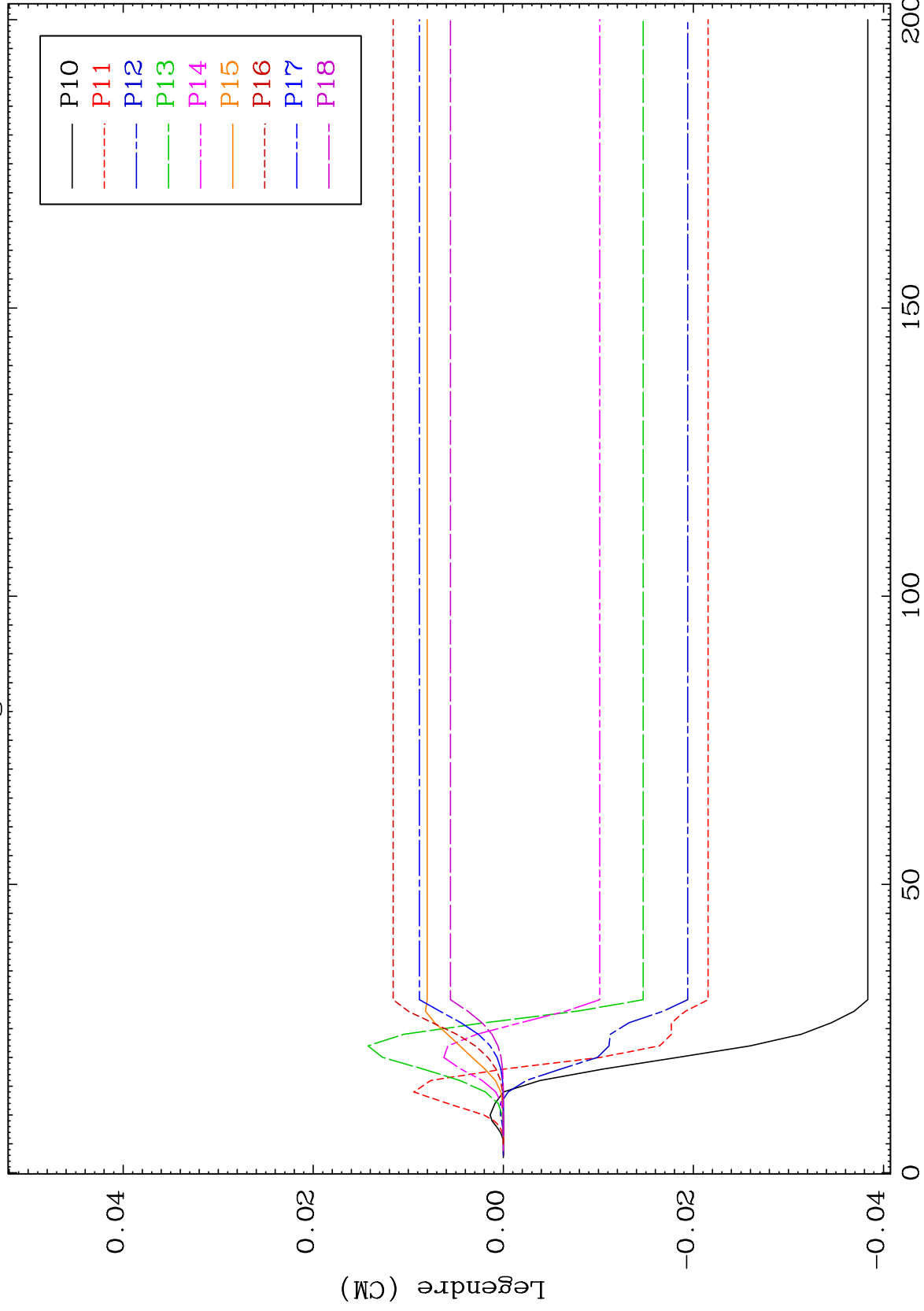




MAT 4222

2.201 MeV (n,n') Level
Legendre Coefficients

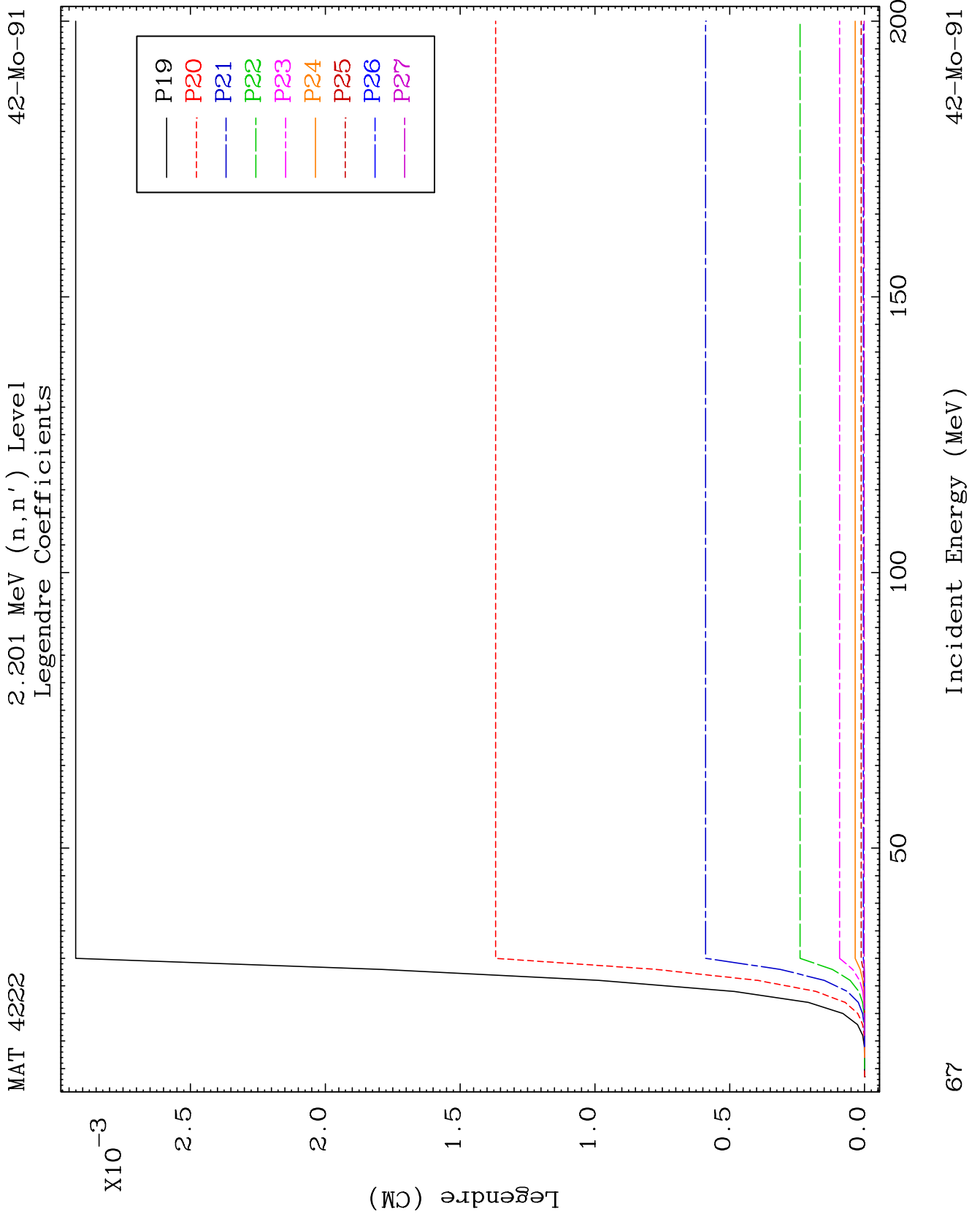
42-Mo-91



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Incident Energy (MeV)

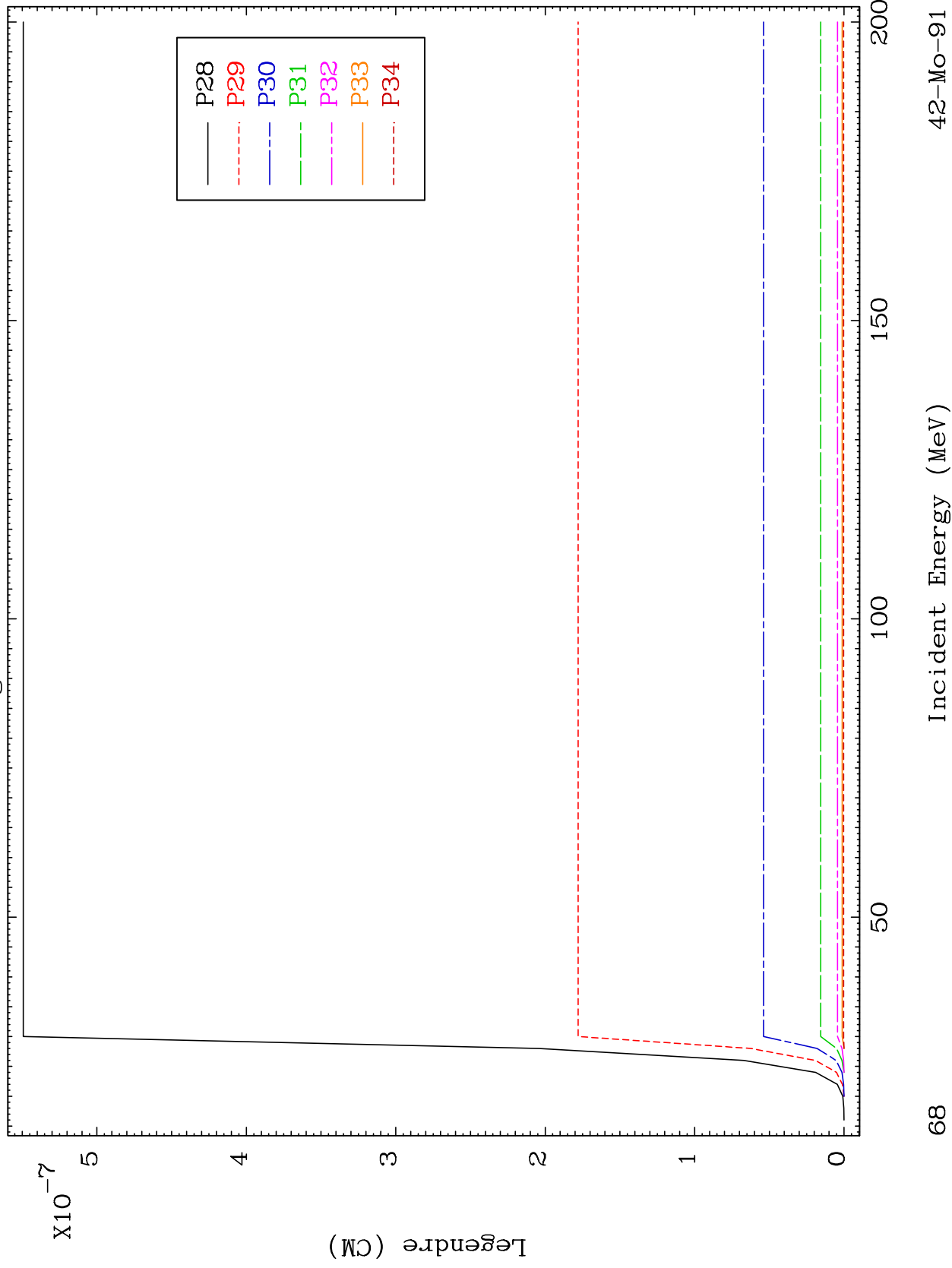
42-Mo-91



MAT 4222

2.201 MeV (n,n') Level
Legendre Coefficients

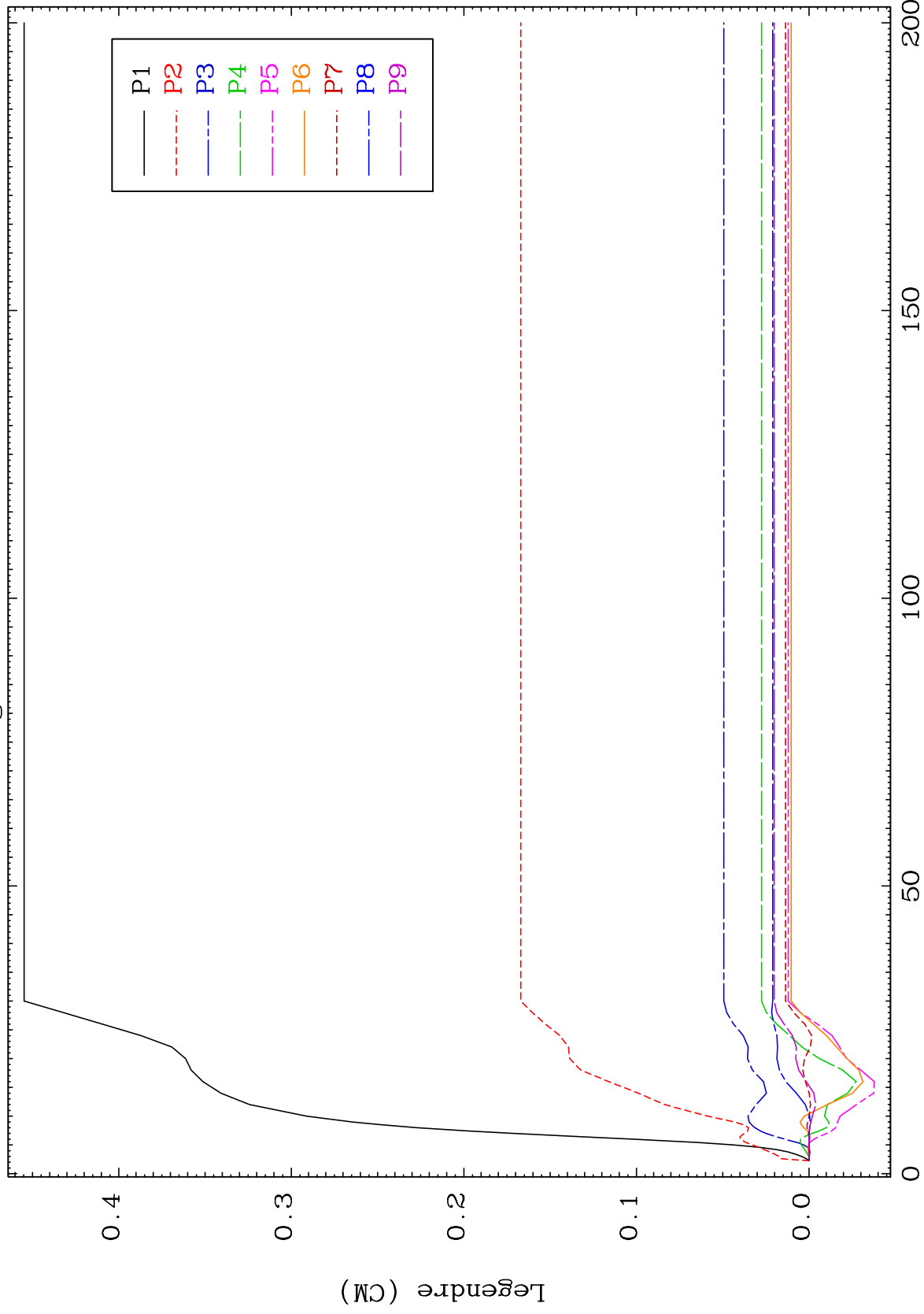
42-Mo-91



MAT 4222

2.234 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



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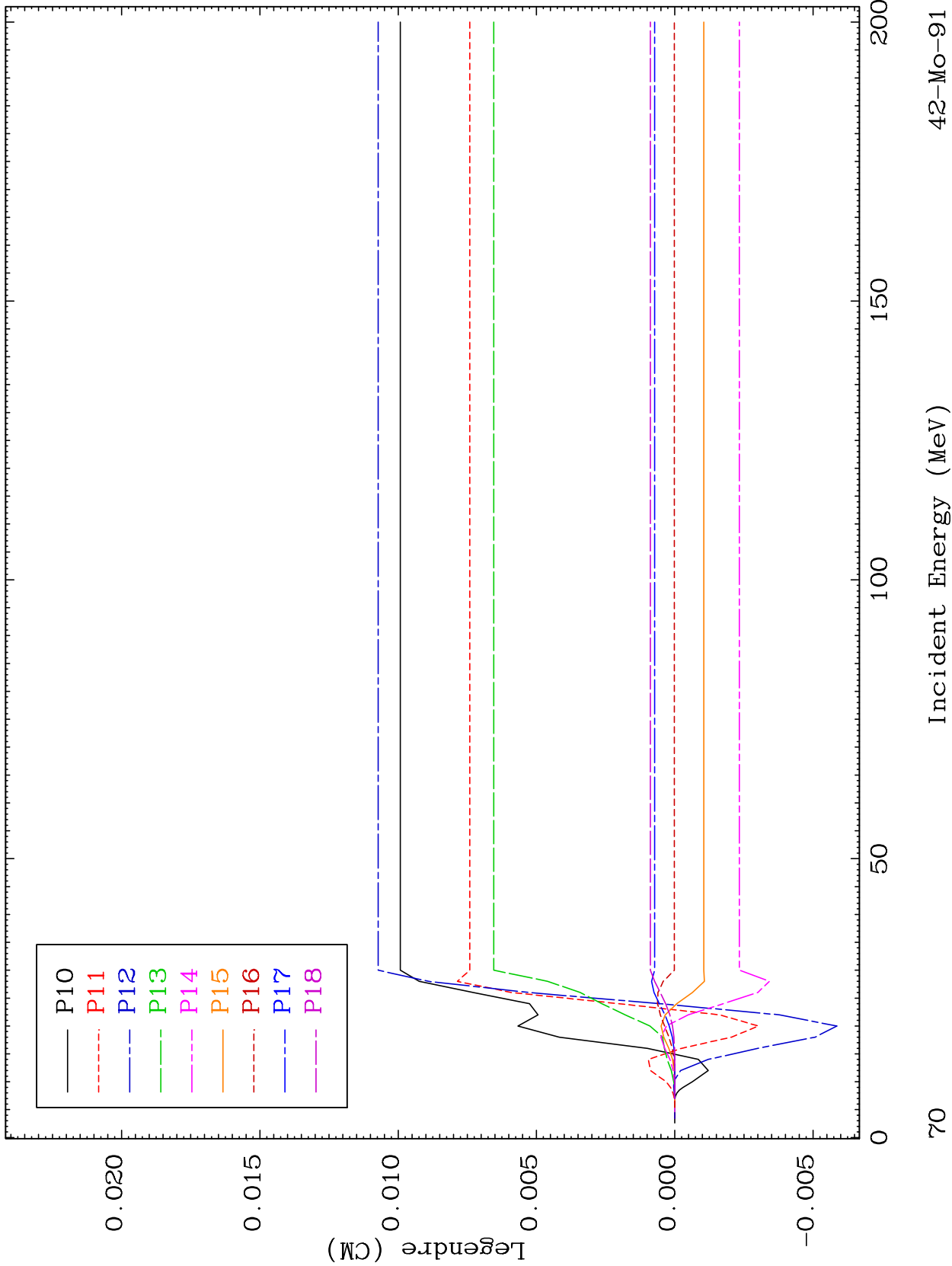
Incident Energy (MeV)

42-Mo-91

MAT 4222

2.234 MeV (n,n') Level
Legendre Coefficients

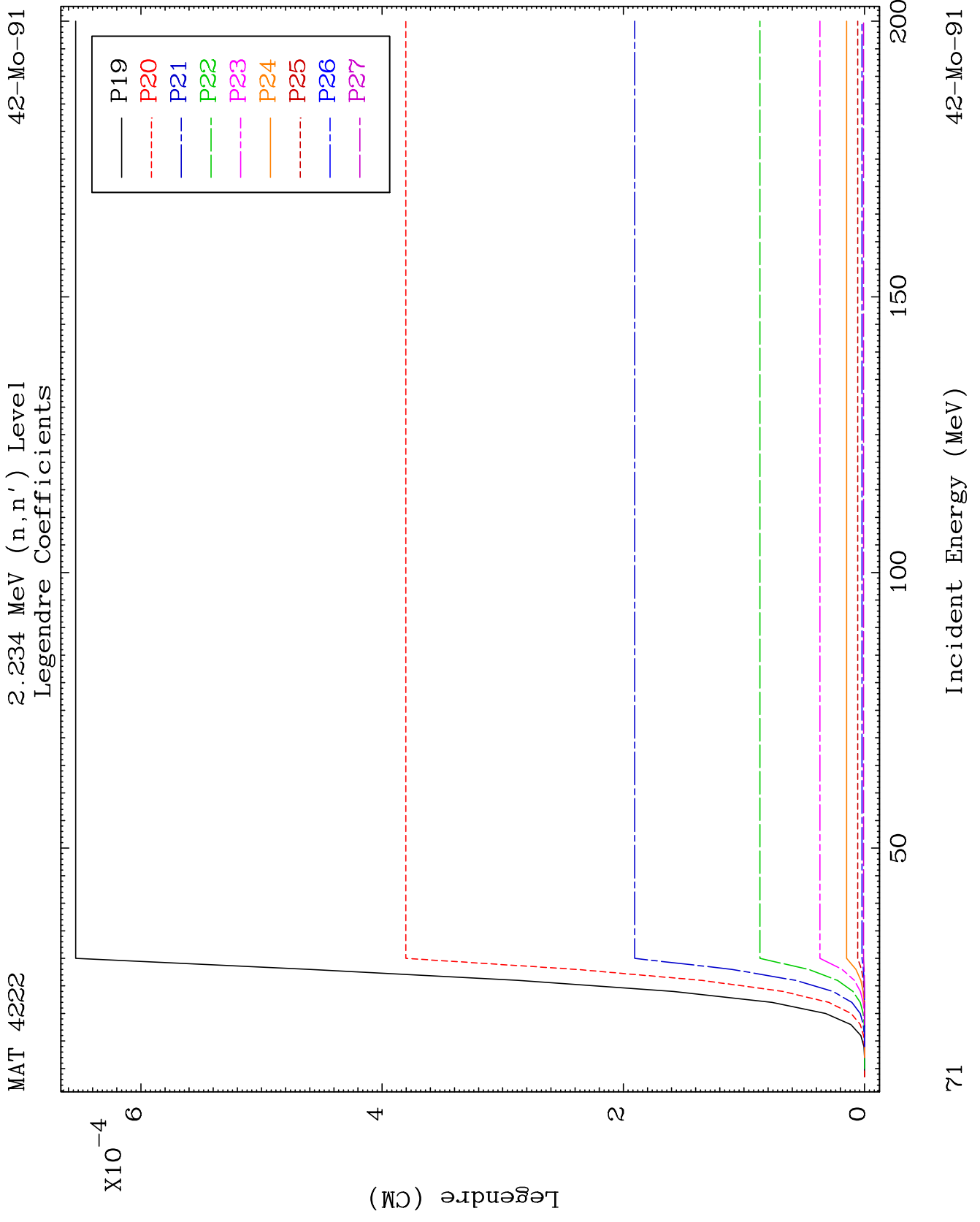
42-Mo-91

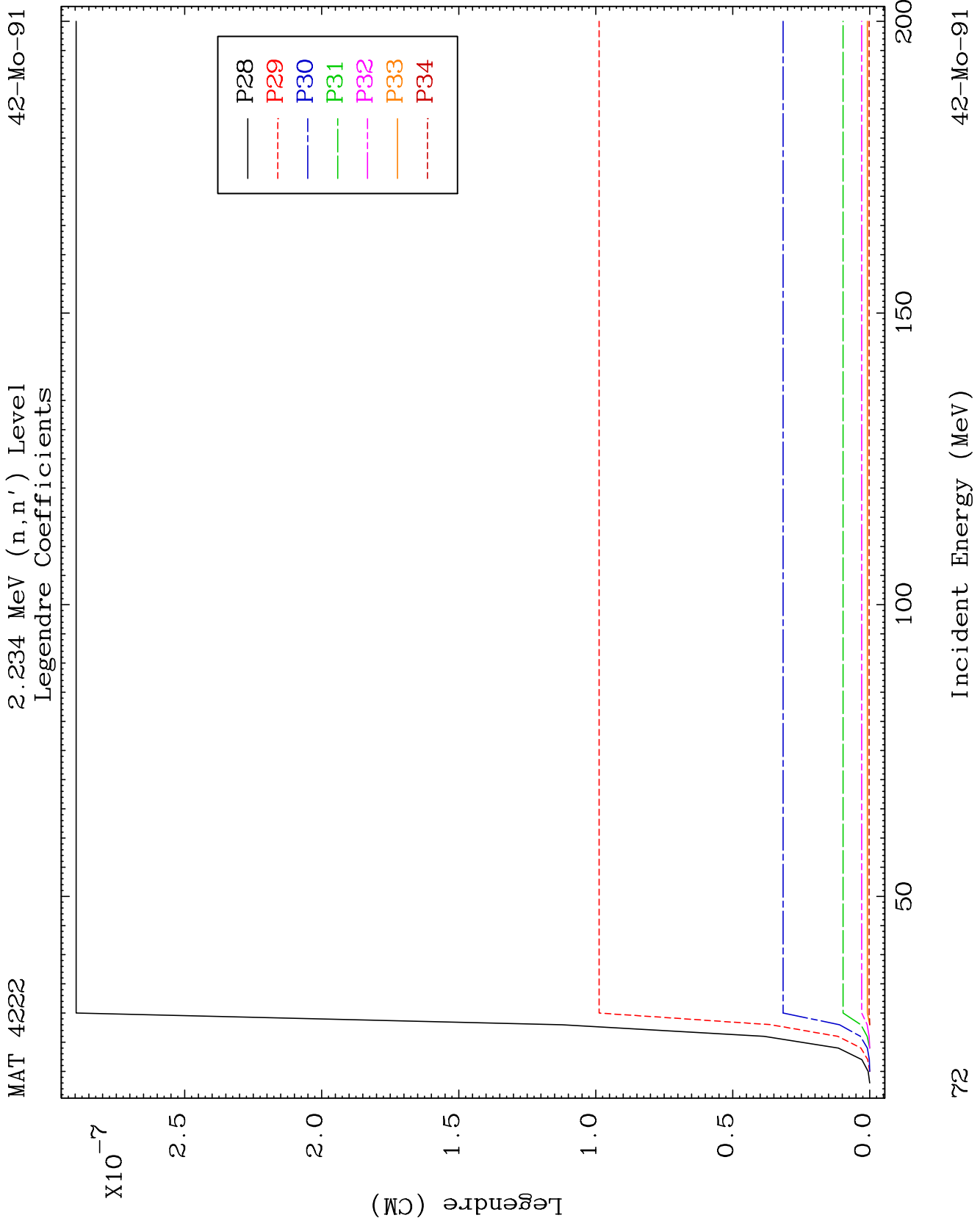


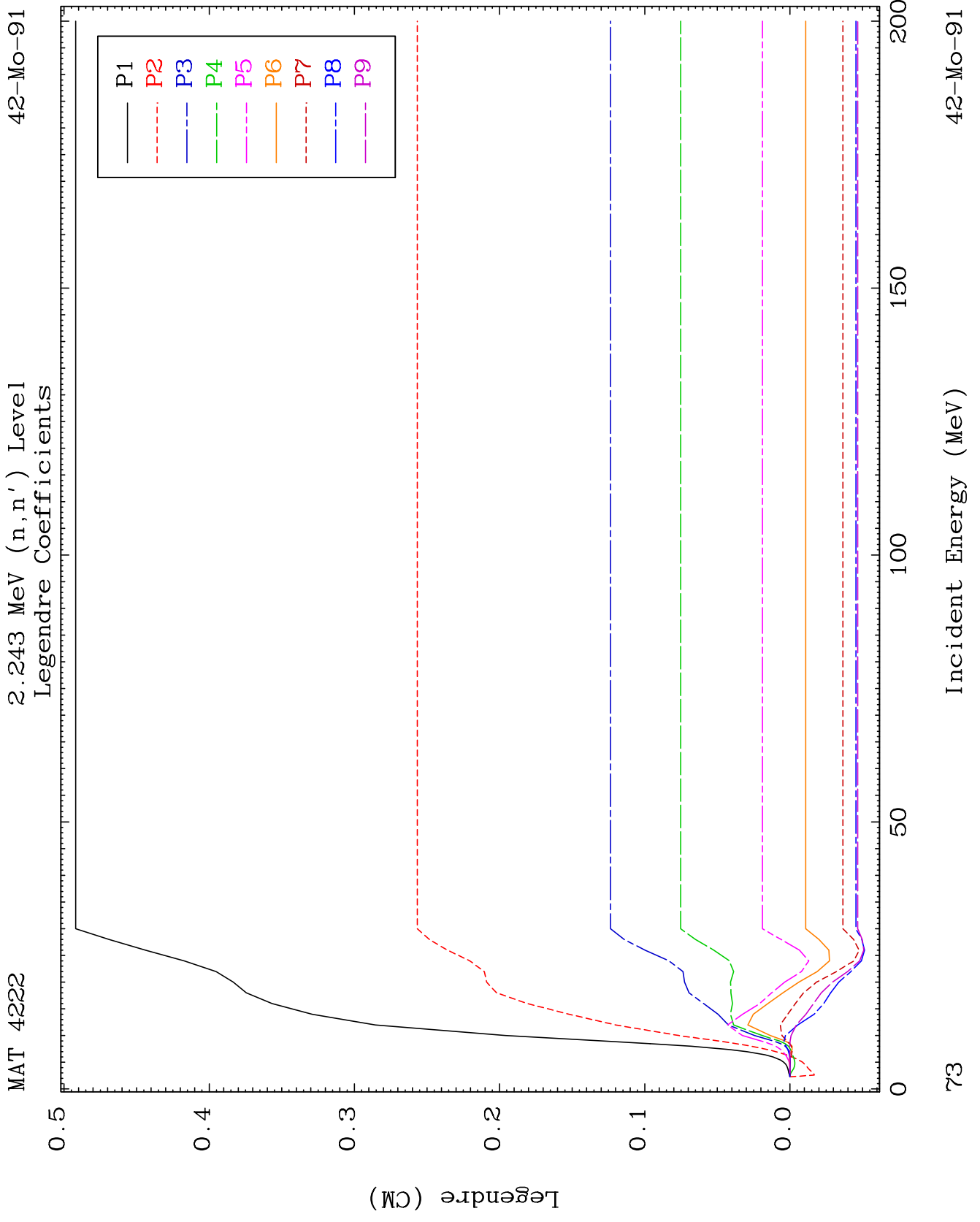
42-Mo-91

Incident Energy (MeV)

70



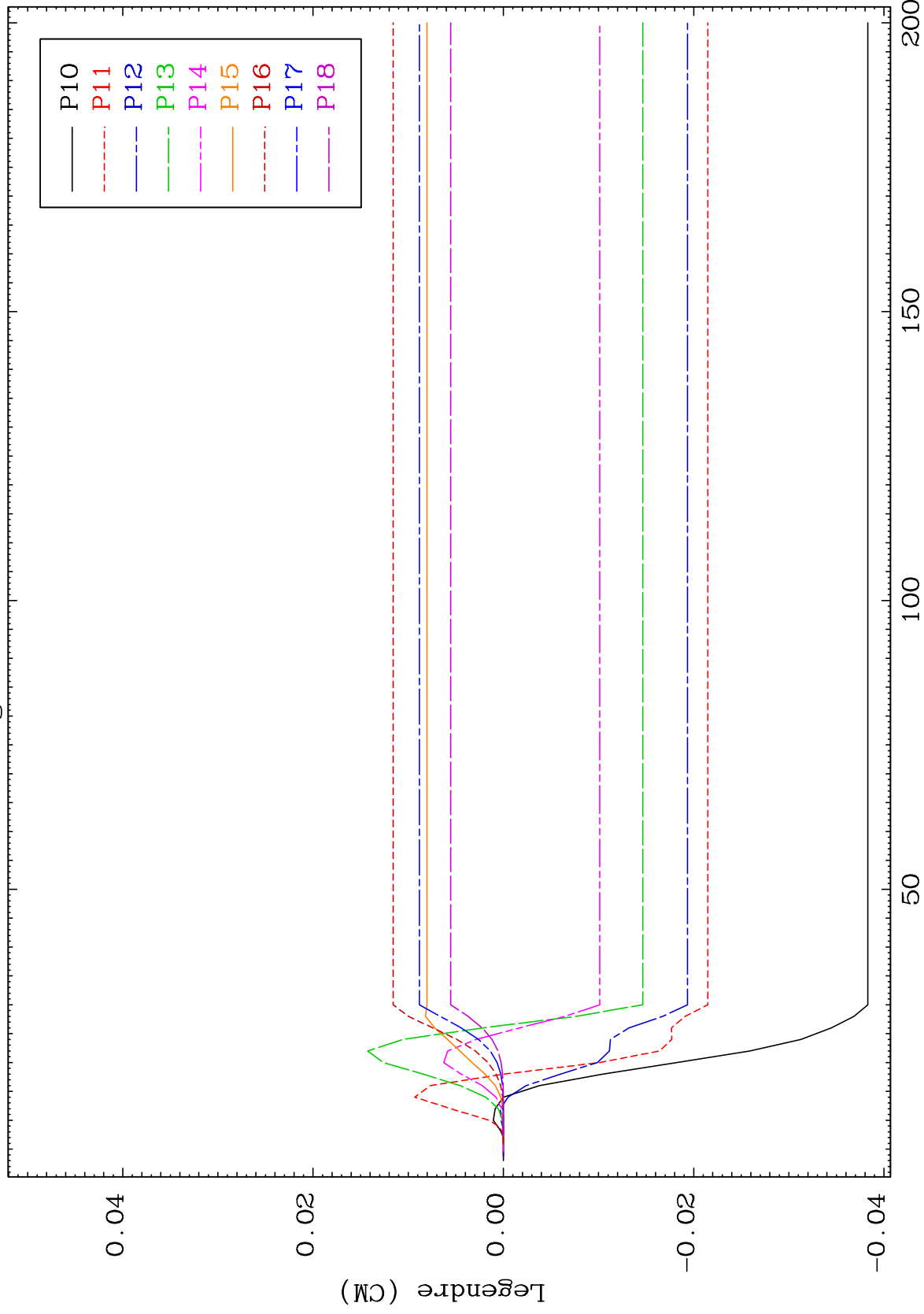




MAT 4222

2.243 MeV (n,n') Level
Legendre Coefficients

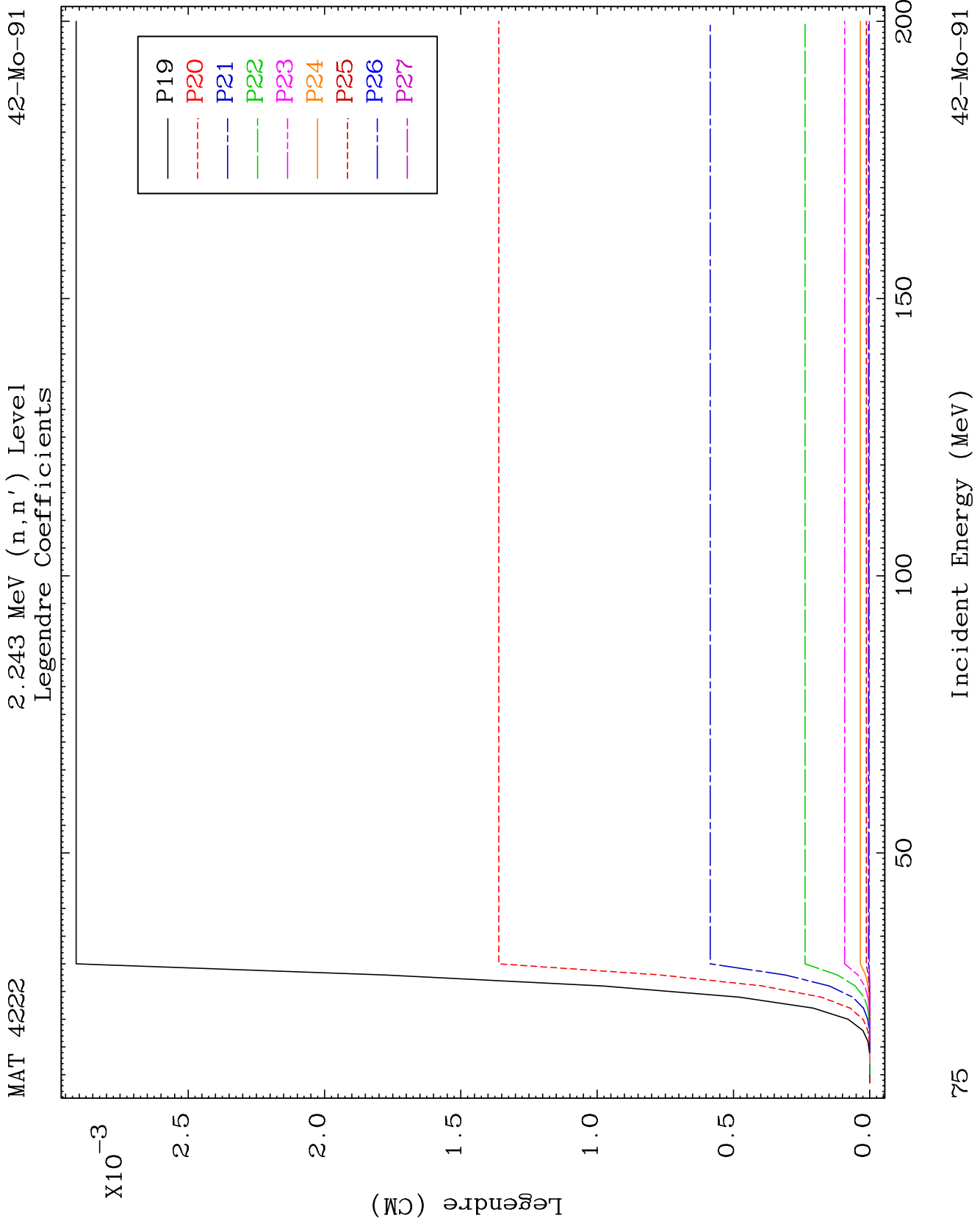
42-Mo-91



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Incident Energy (MeV)

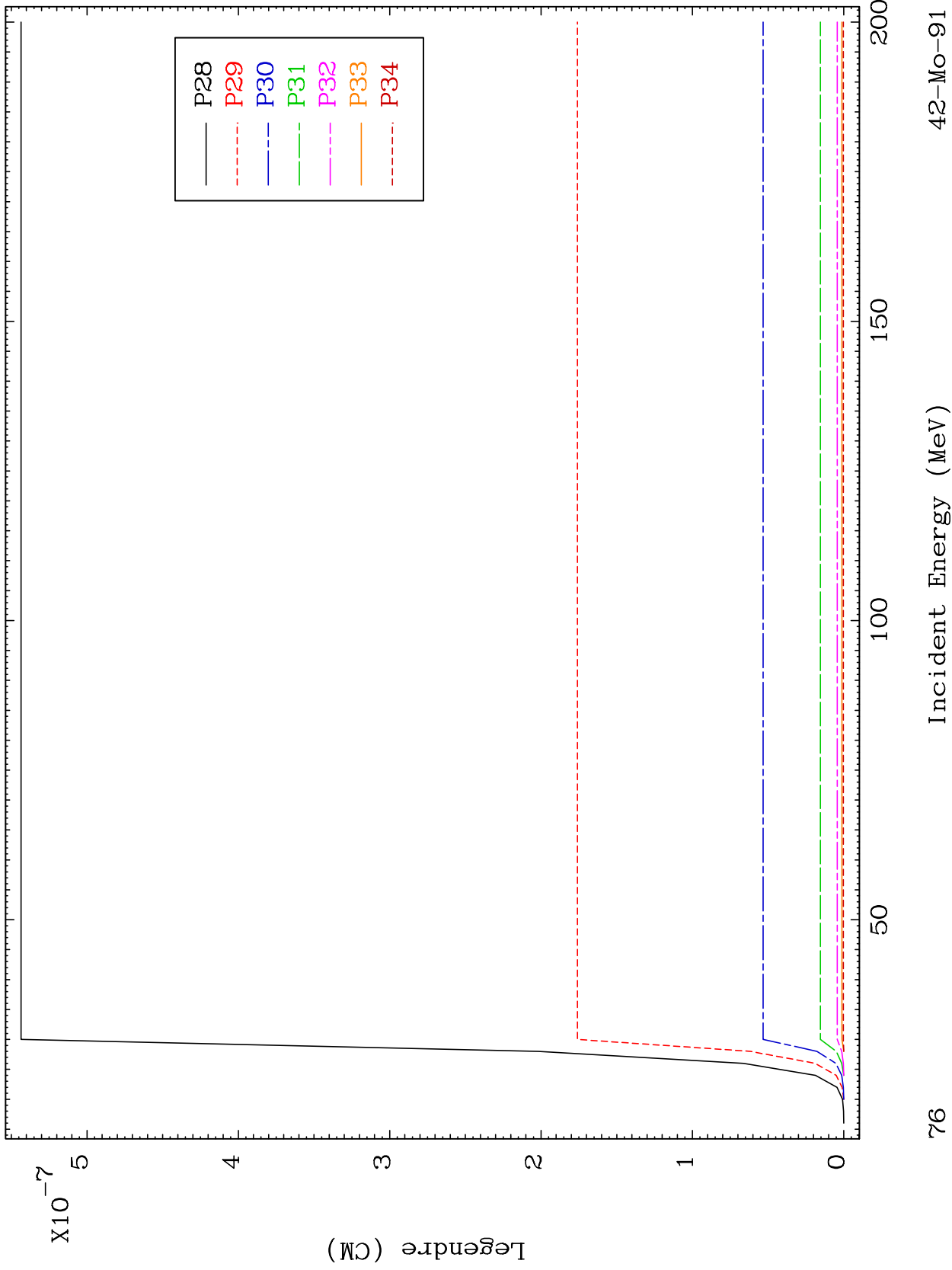
42-Mo-91



MAT 4222

2.243 MeV (n,n') Level
Legendre Coefficients

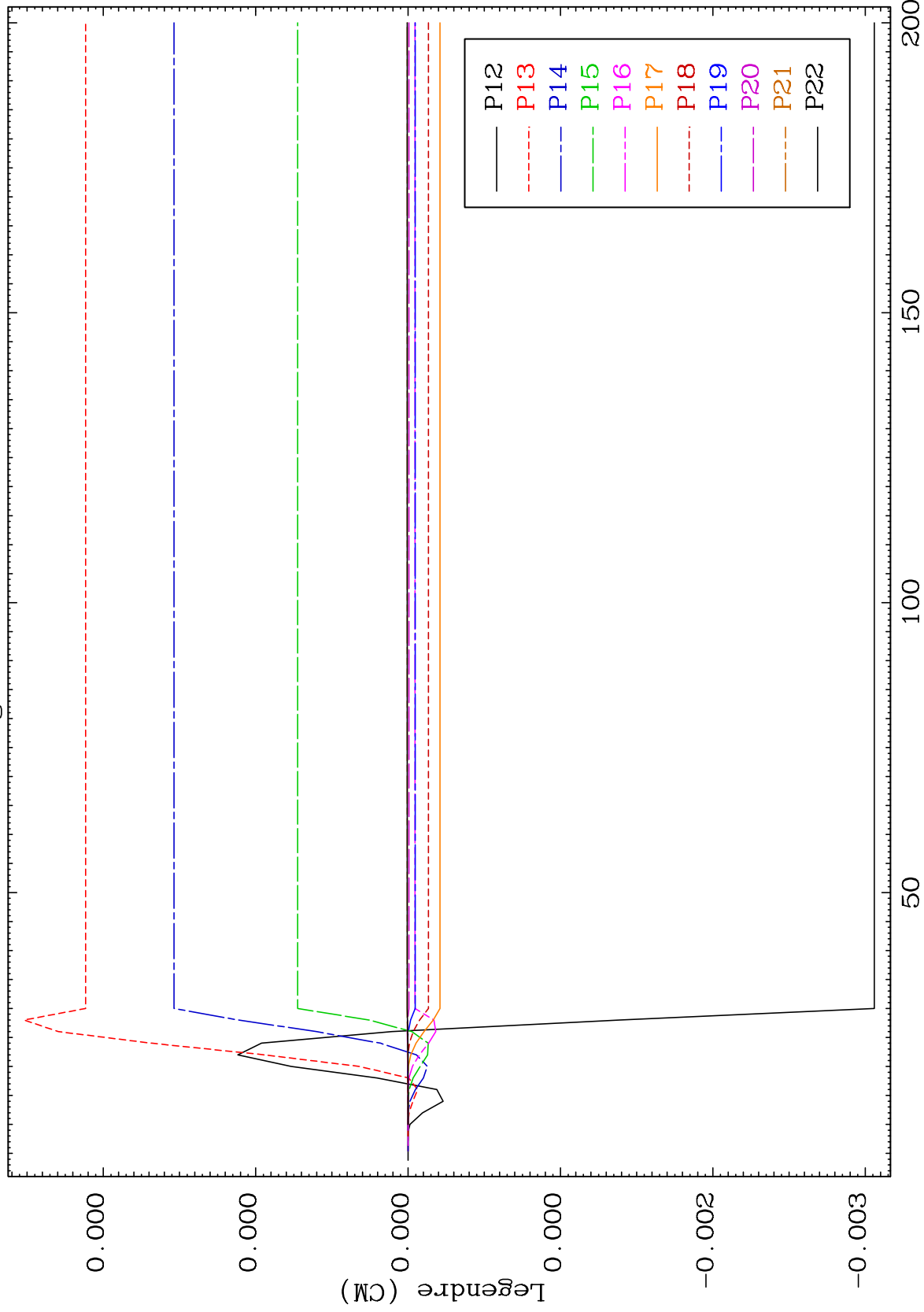
42-Mo-91



MAT 4222

2.267 MeV (n,n') Level
Legendre Coefficients

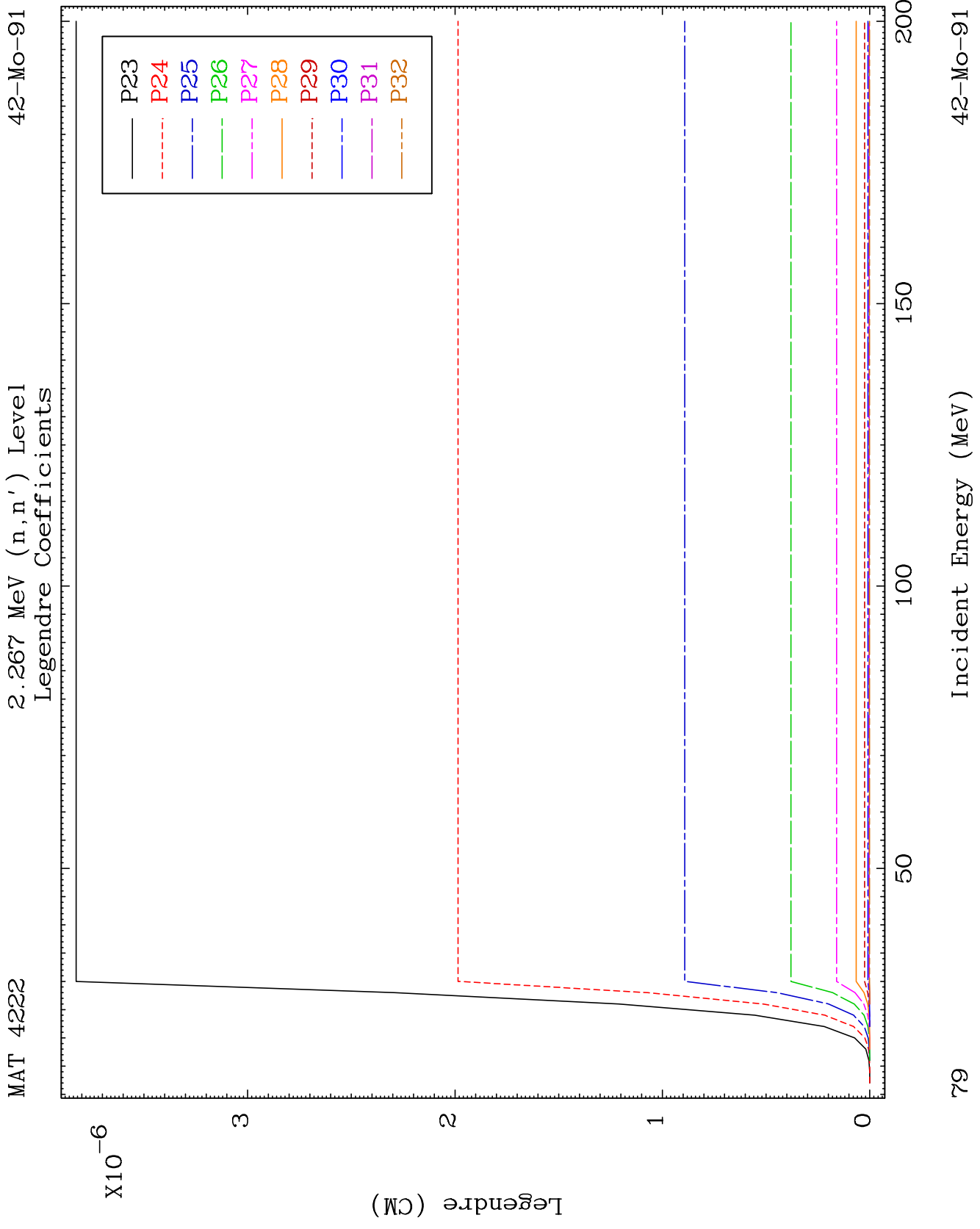
42-Mo-91

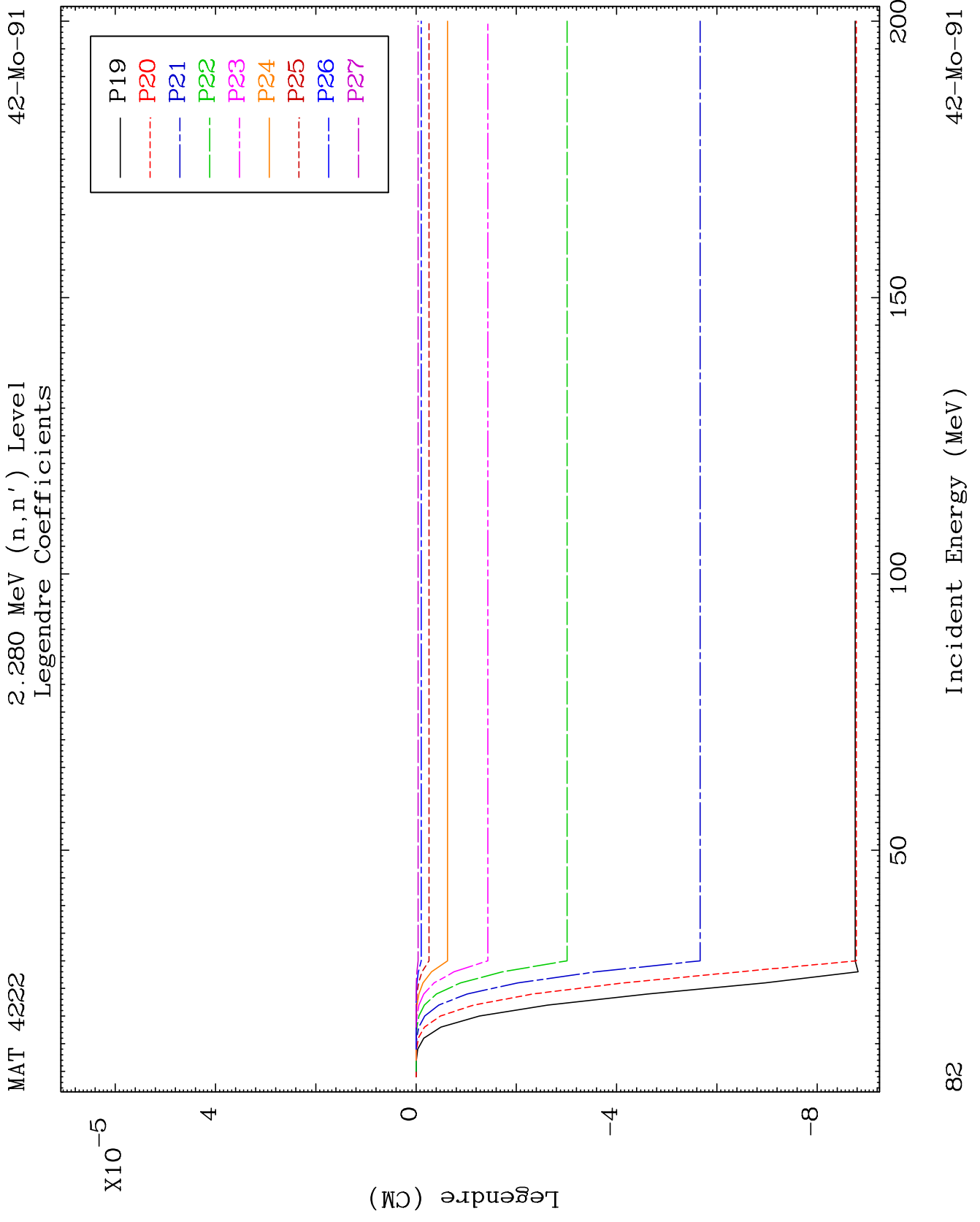


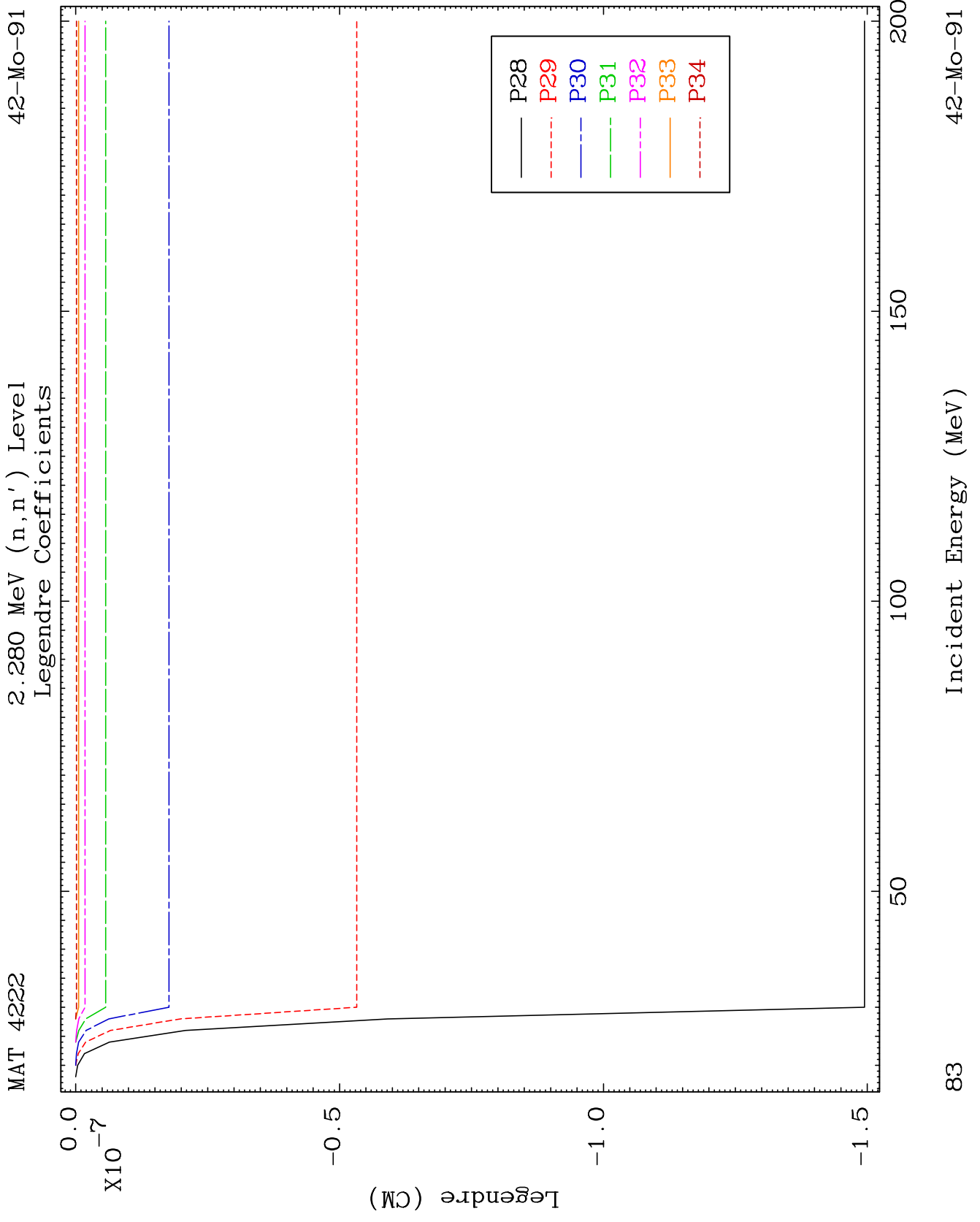
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Incident Energy (MeV)

42-Mo-91



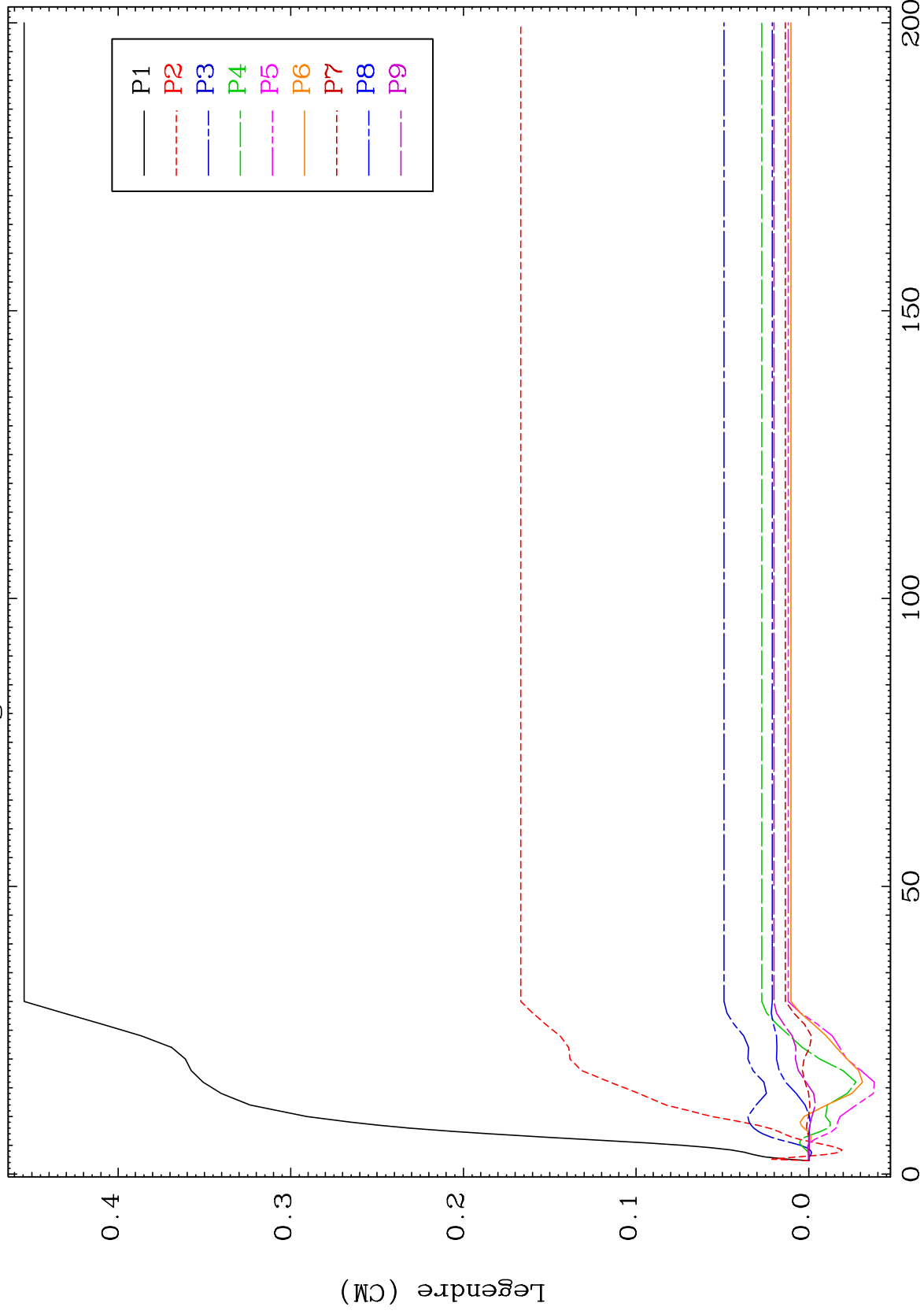




MAT 4222

2.302 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



84

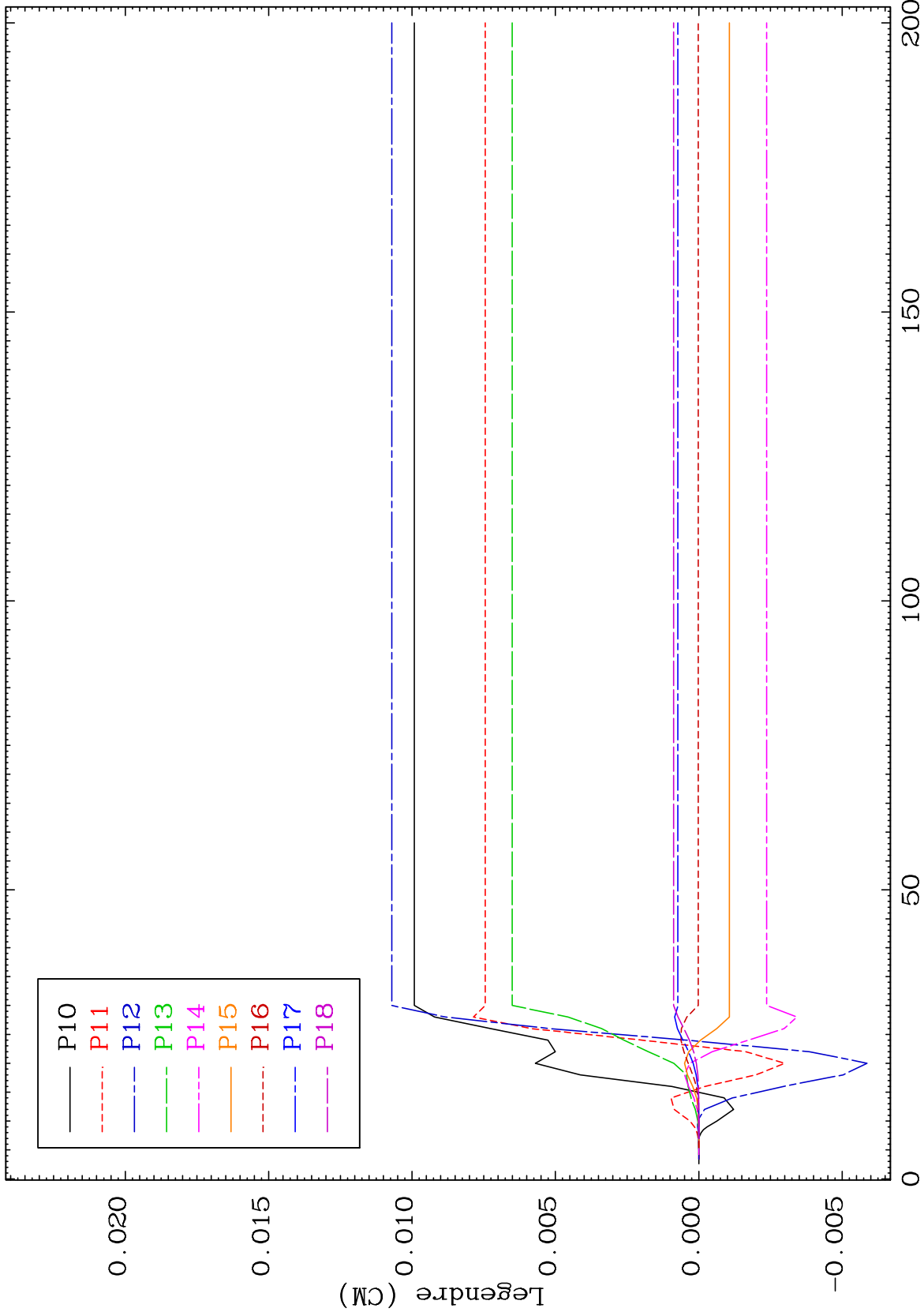
Incident Energy (MeV)

42-Mo-91

MAT 4222

2.302 MeV (n,n') Level
Legendre Coefficients

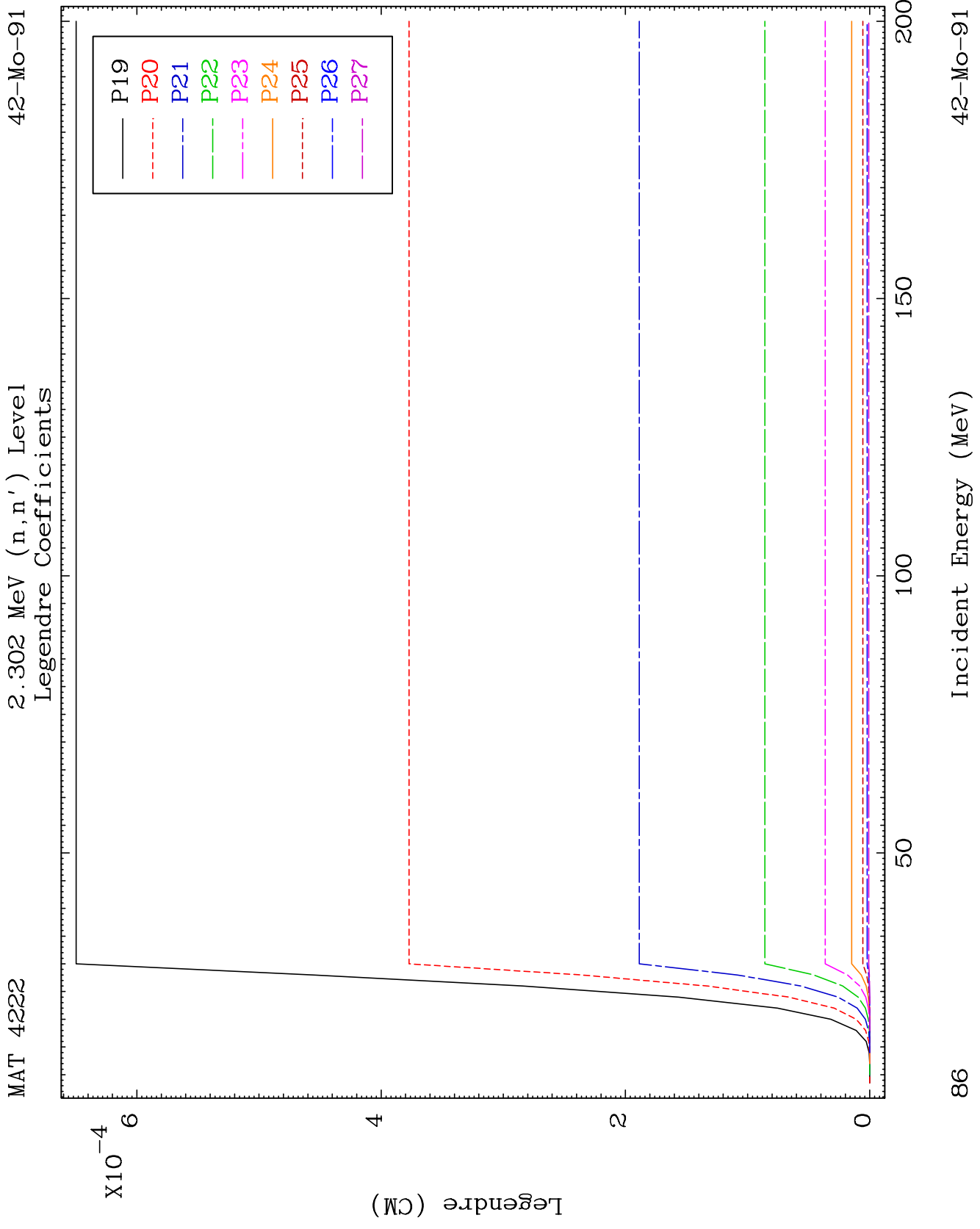
42-Mo-91

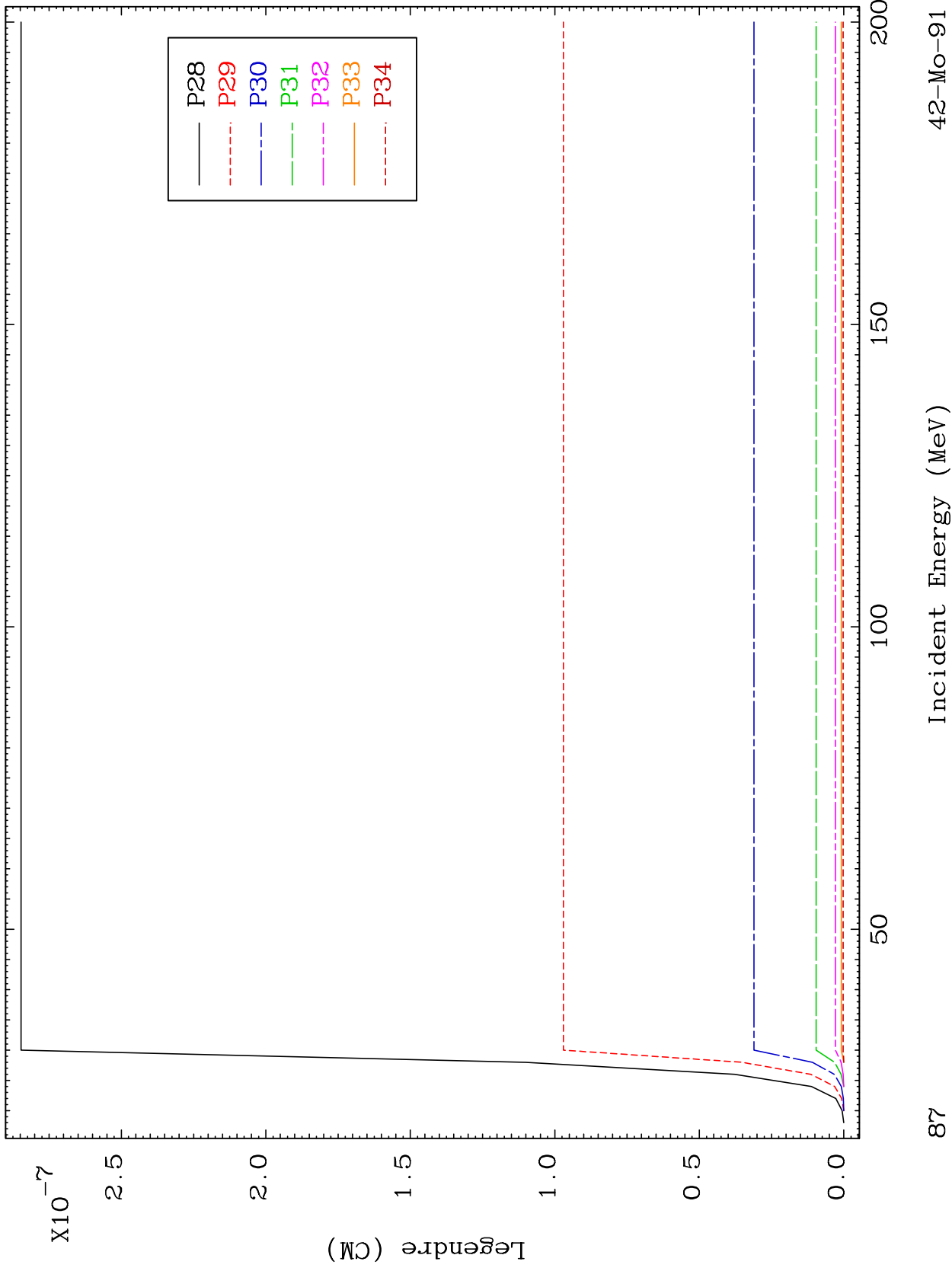


85

Incident Energy (MeV)

42-Mo-91

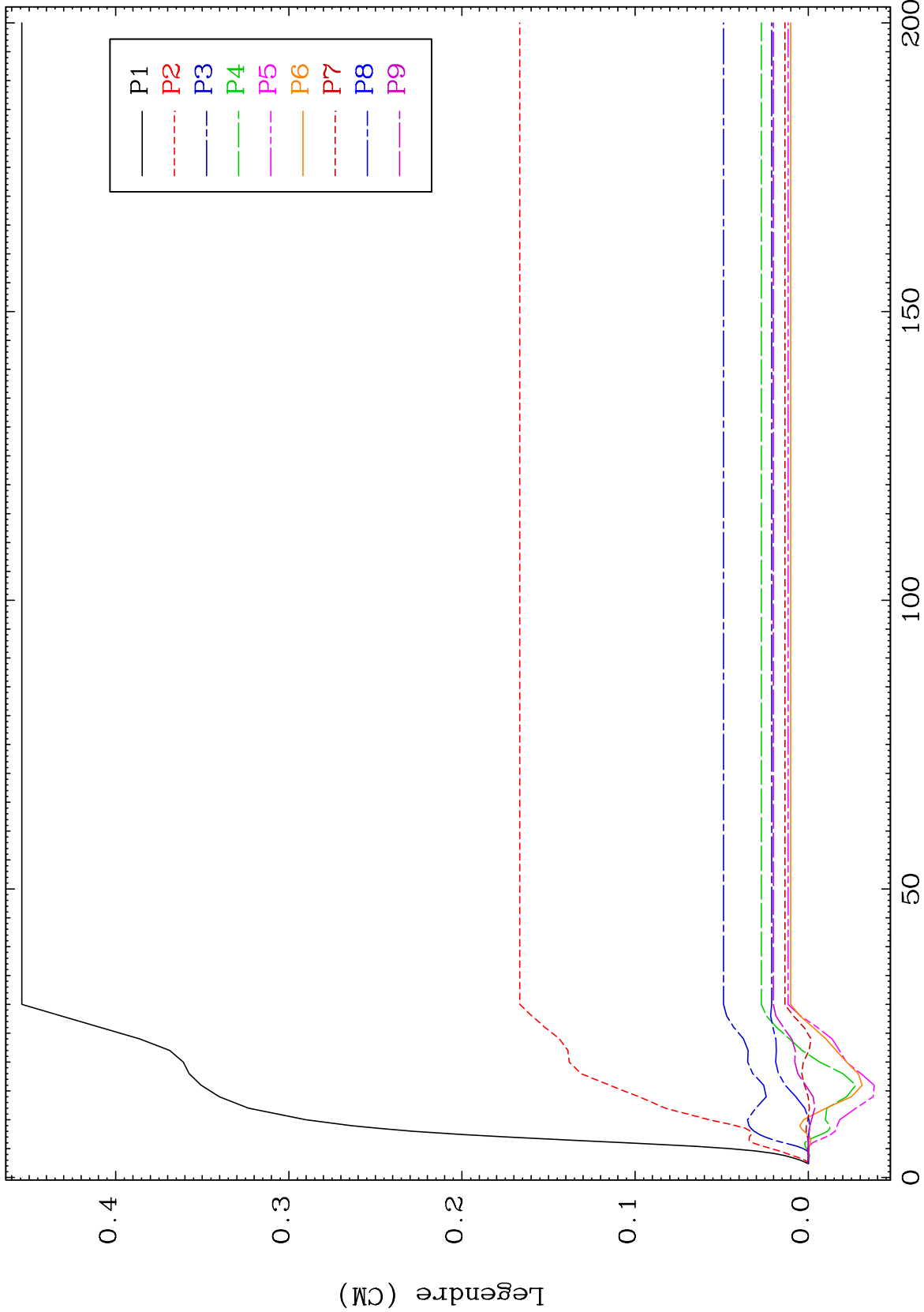




MAT 4222

2.345 MeV (n,n') Level
Legendre Coefficients

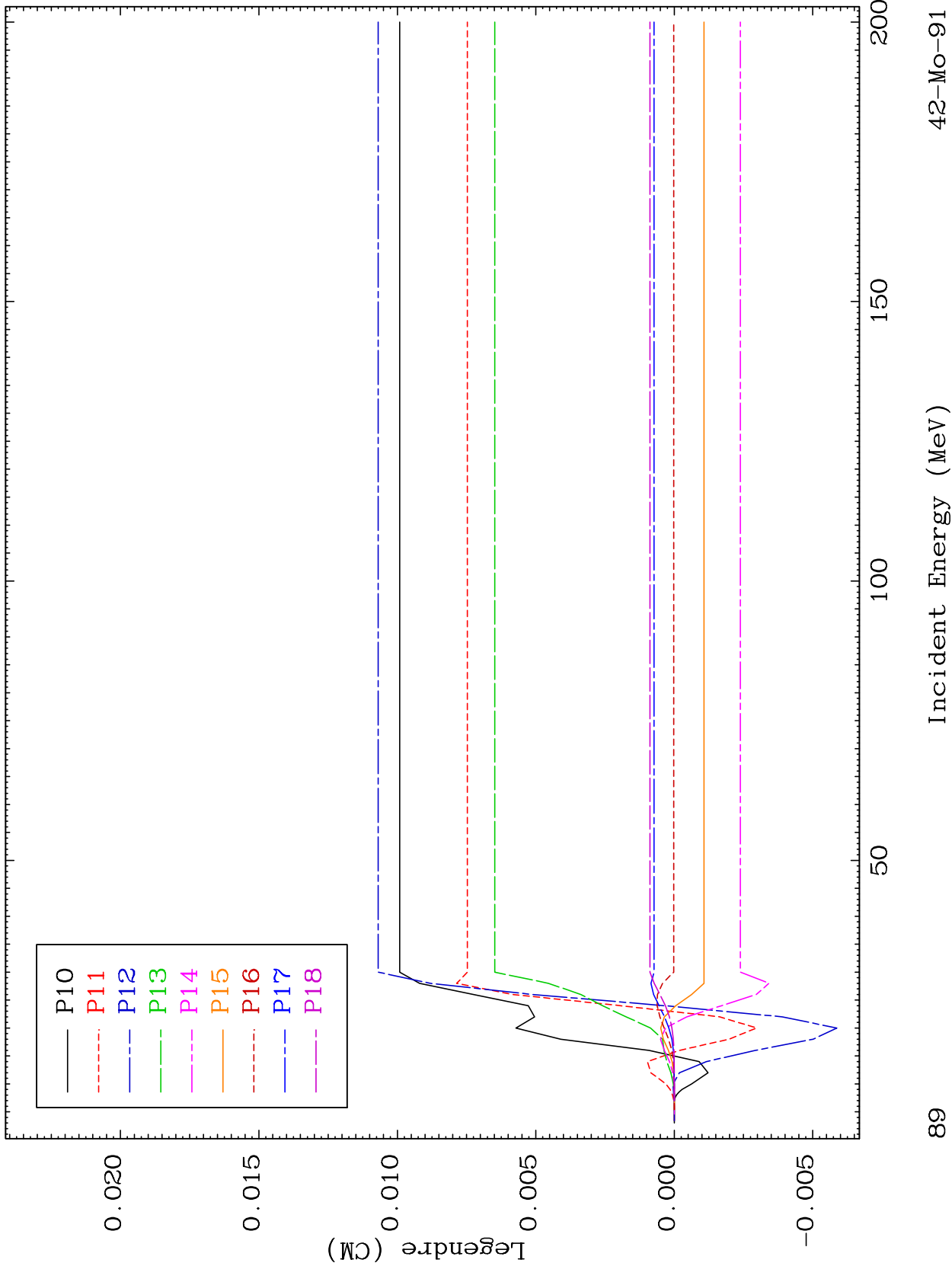
42-Mo-91

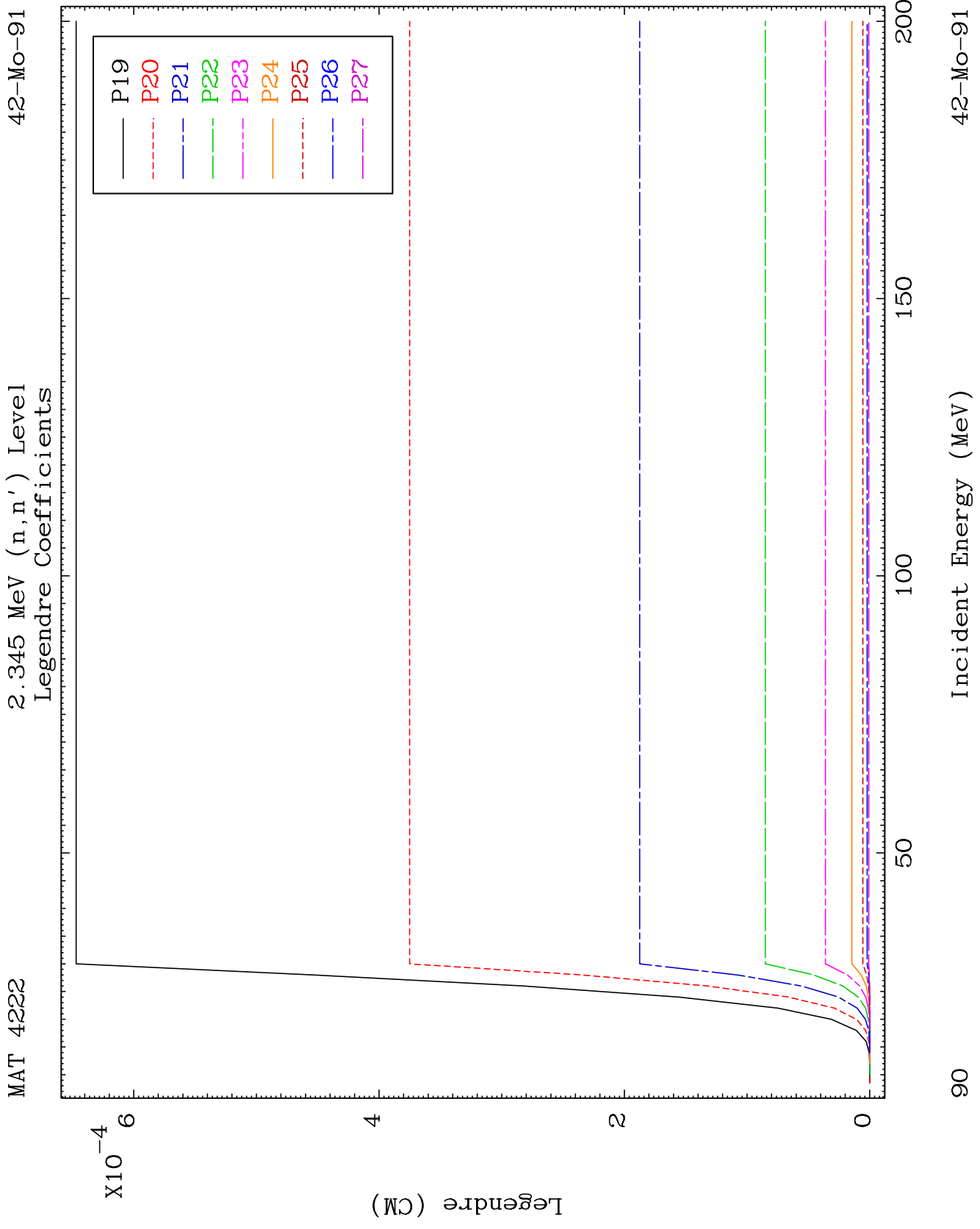


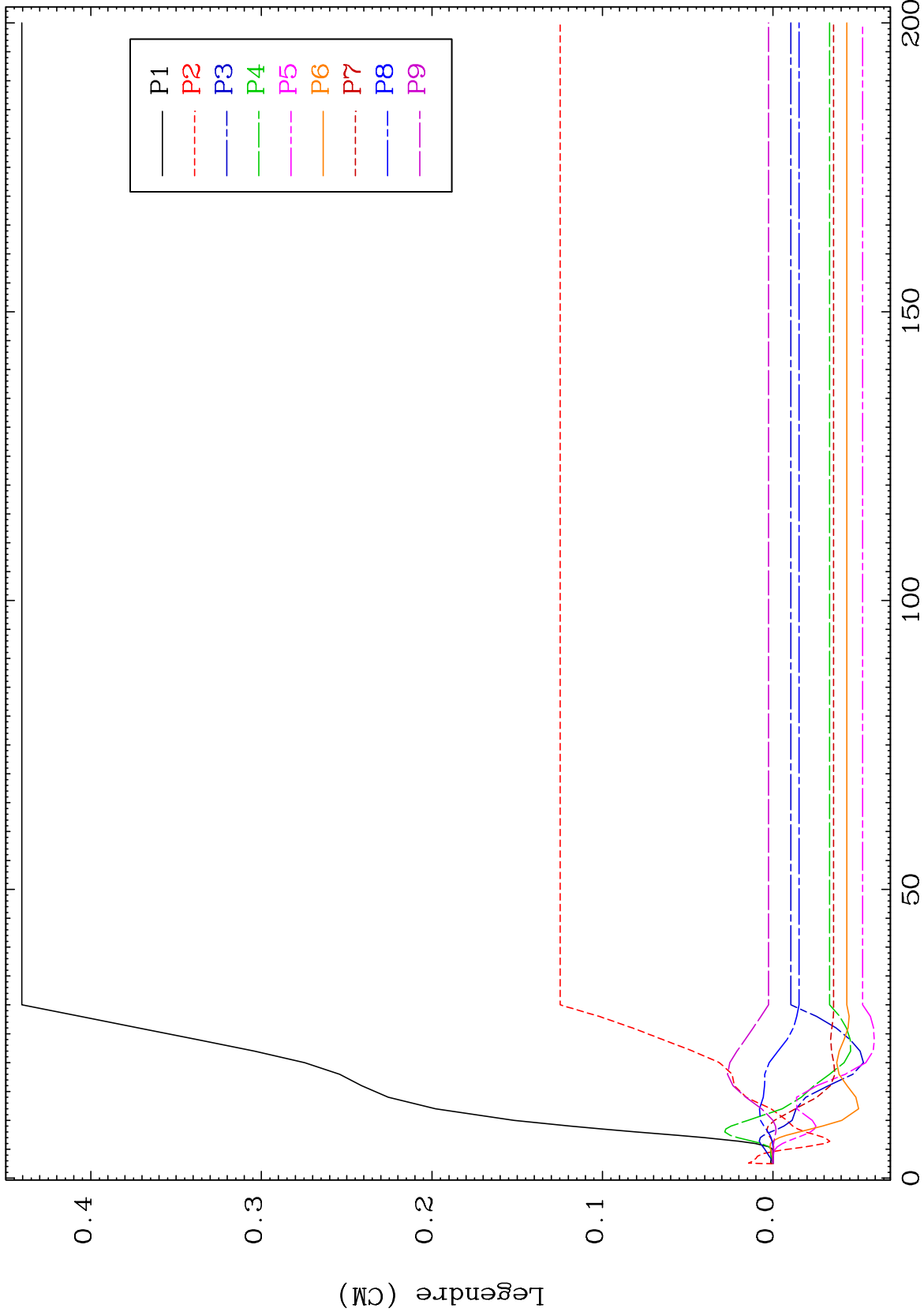
88

Incident Energy (MeV)

42-Mo-91



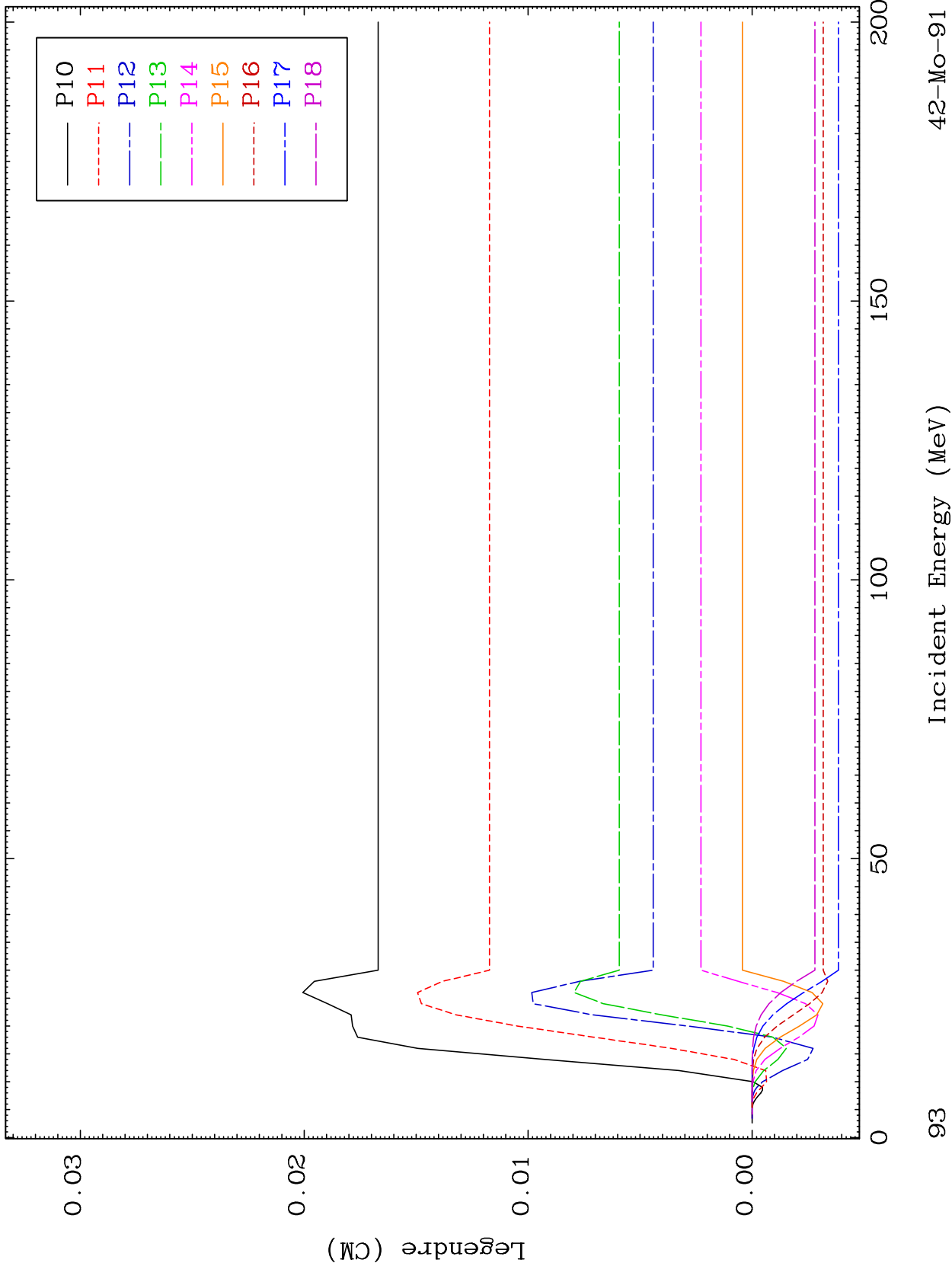




MAT 4222

2.451 MeV (n,n') Level
Legendre Coefficients

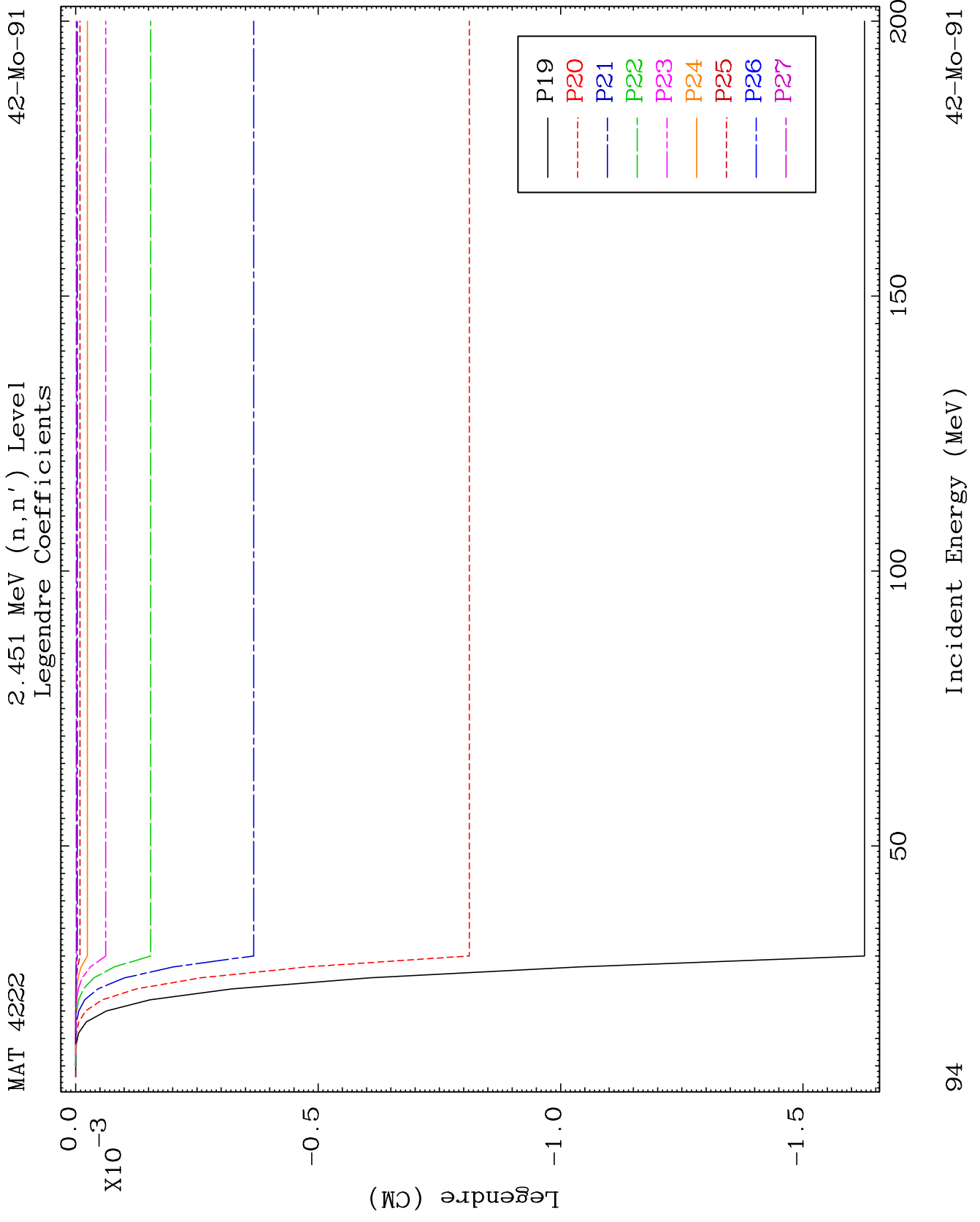
42-Mo-91

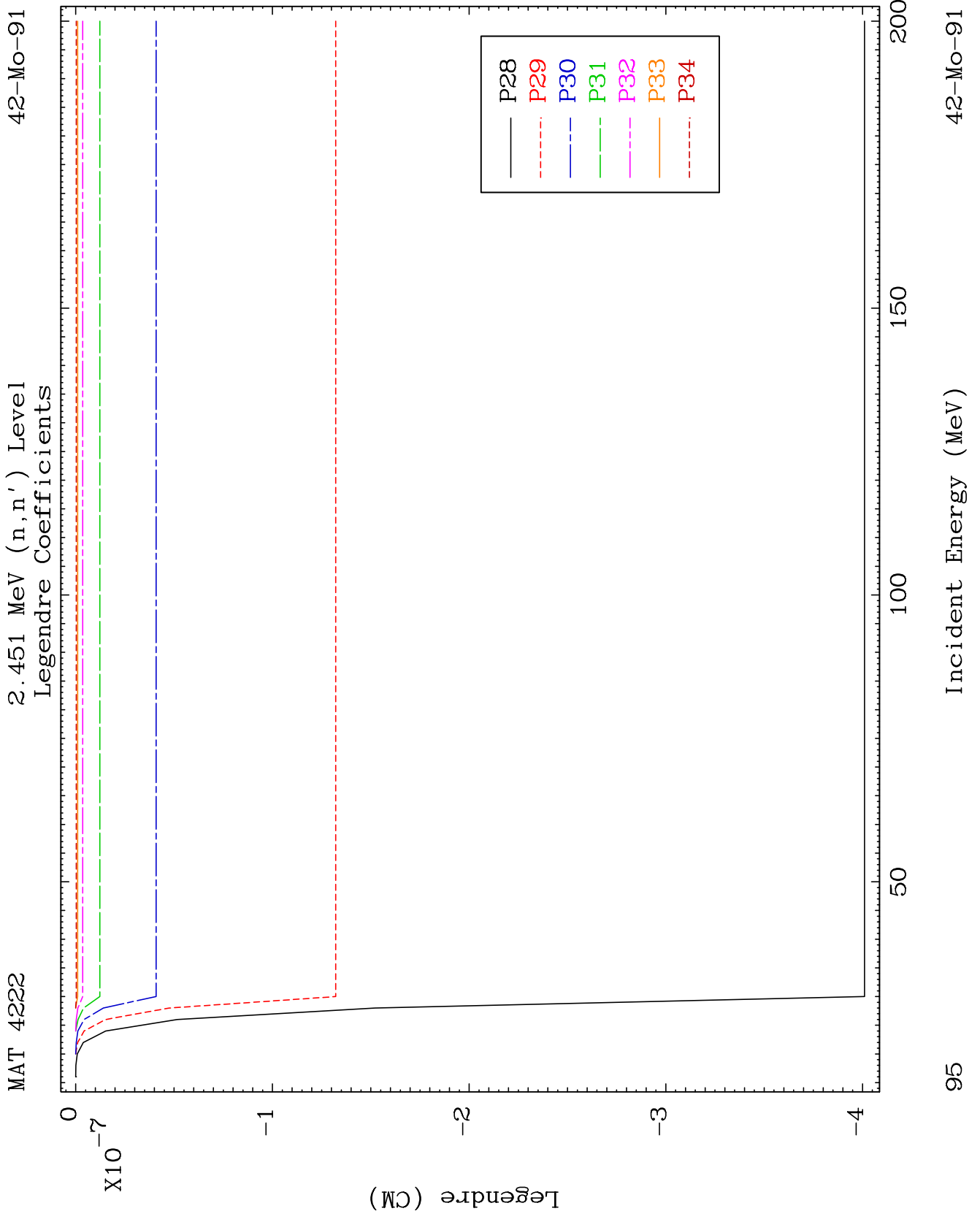


93

Incident Energy (MeV)

42-Mo-91

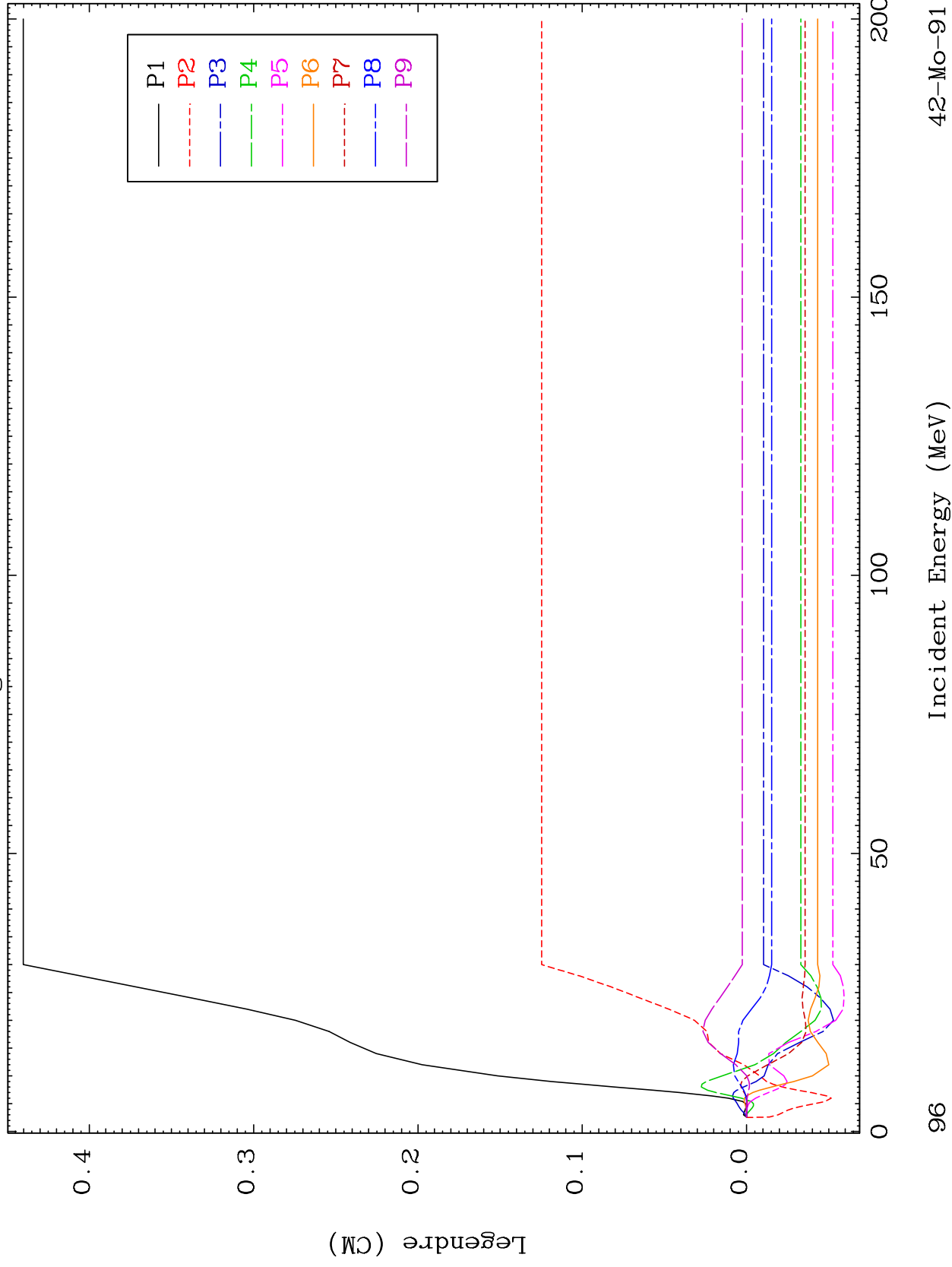




MAT 4222

2.492 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



96

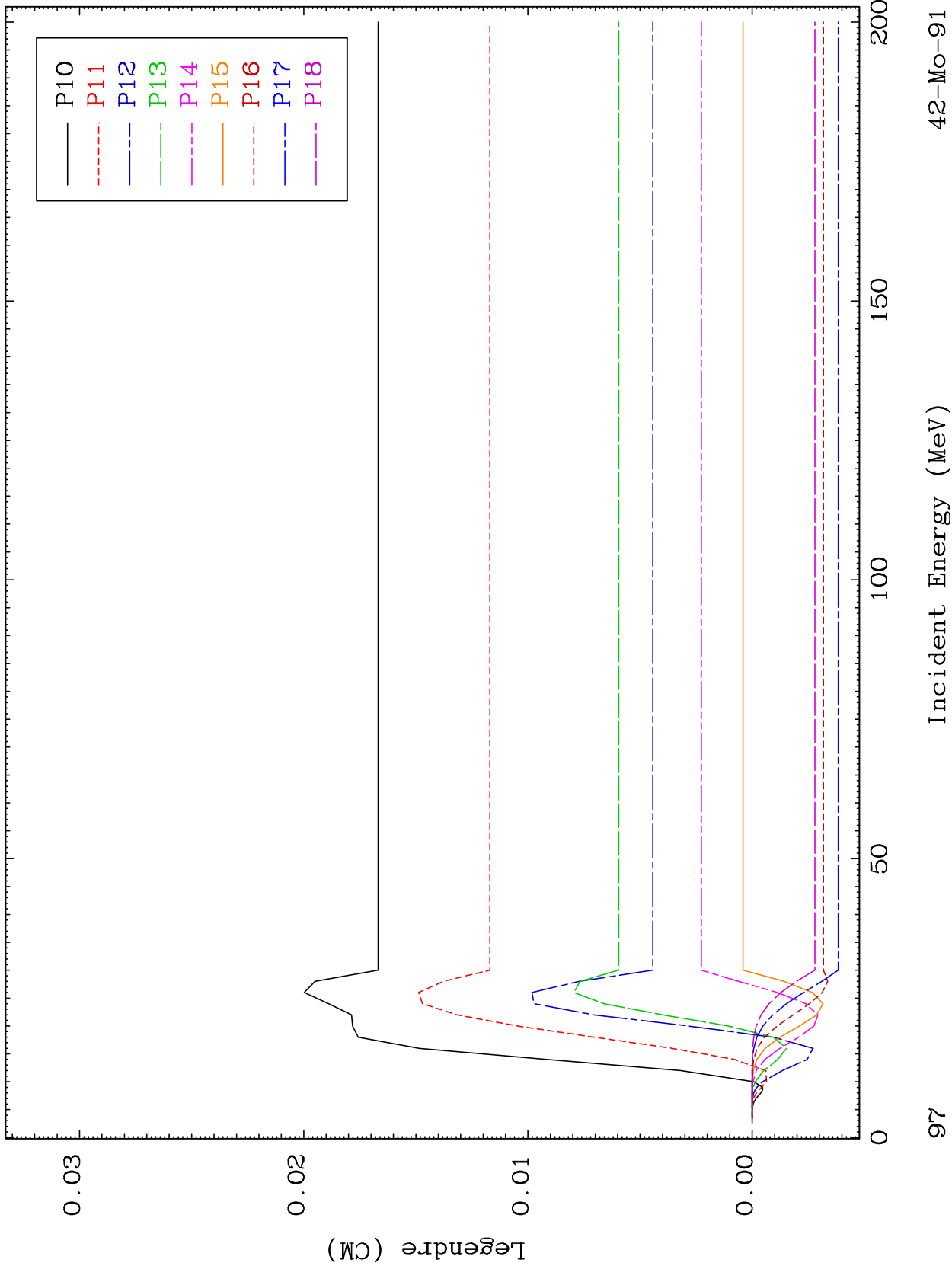
Incident Energy (MeV)

42-Mo-91

MAT 4222

2.492 MeV (n,n') Level
Legendre Coefficients

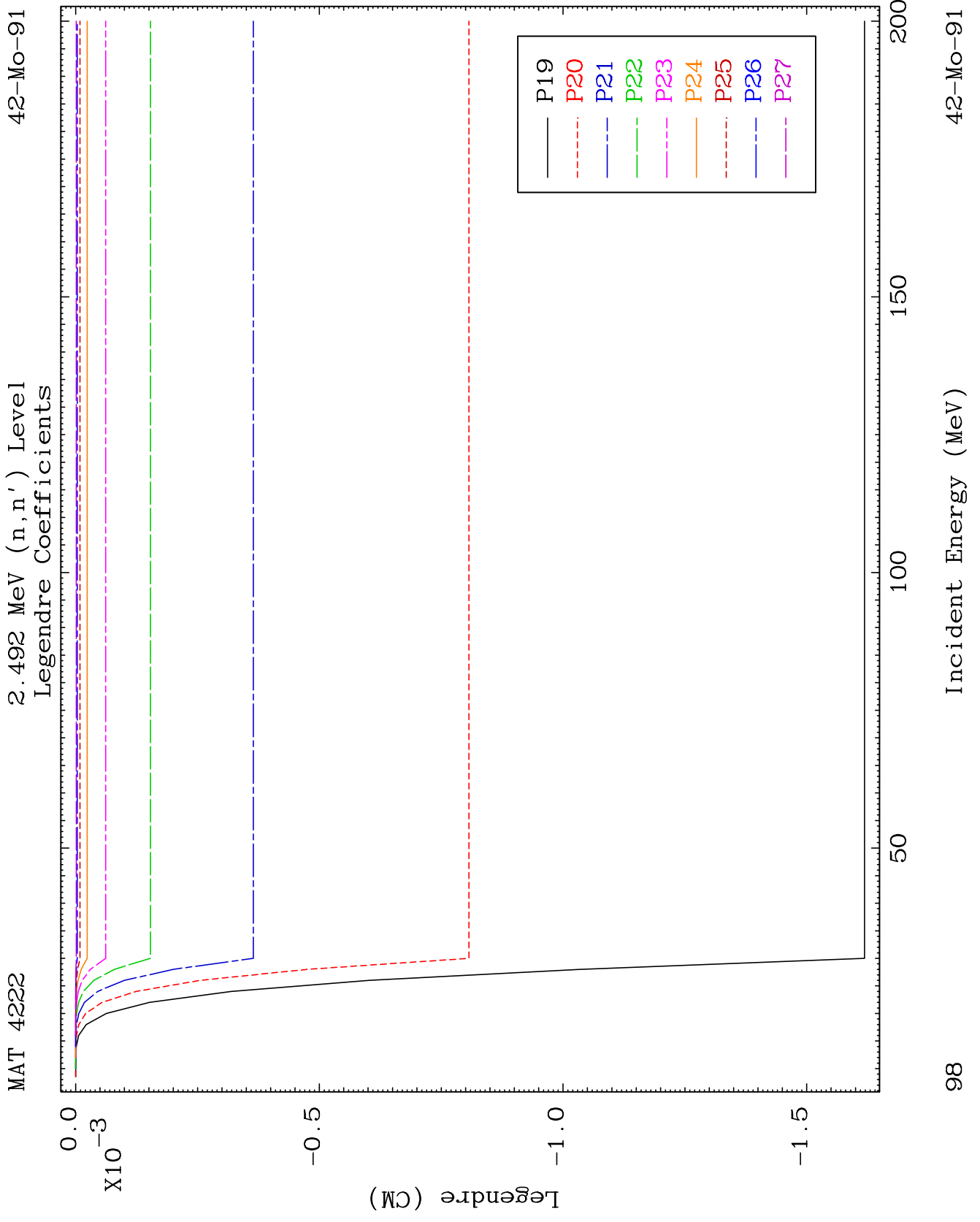
42-Mo-91

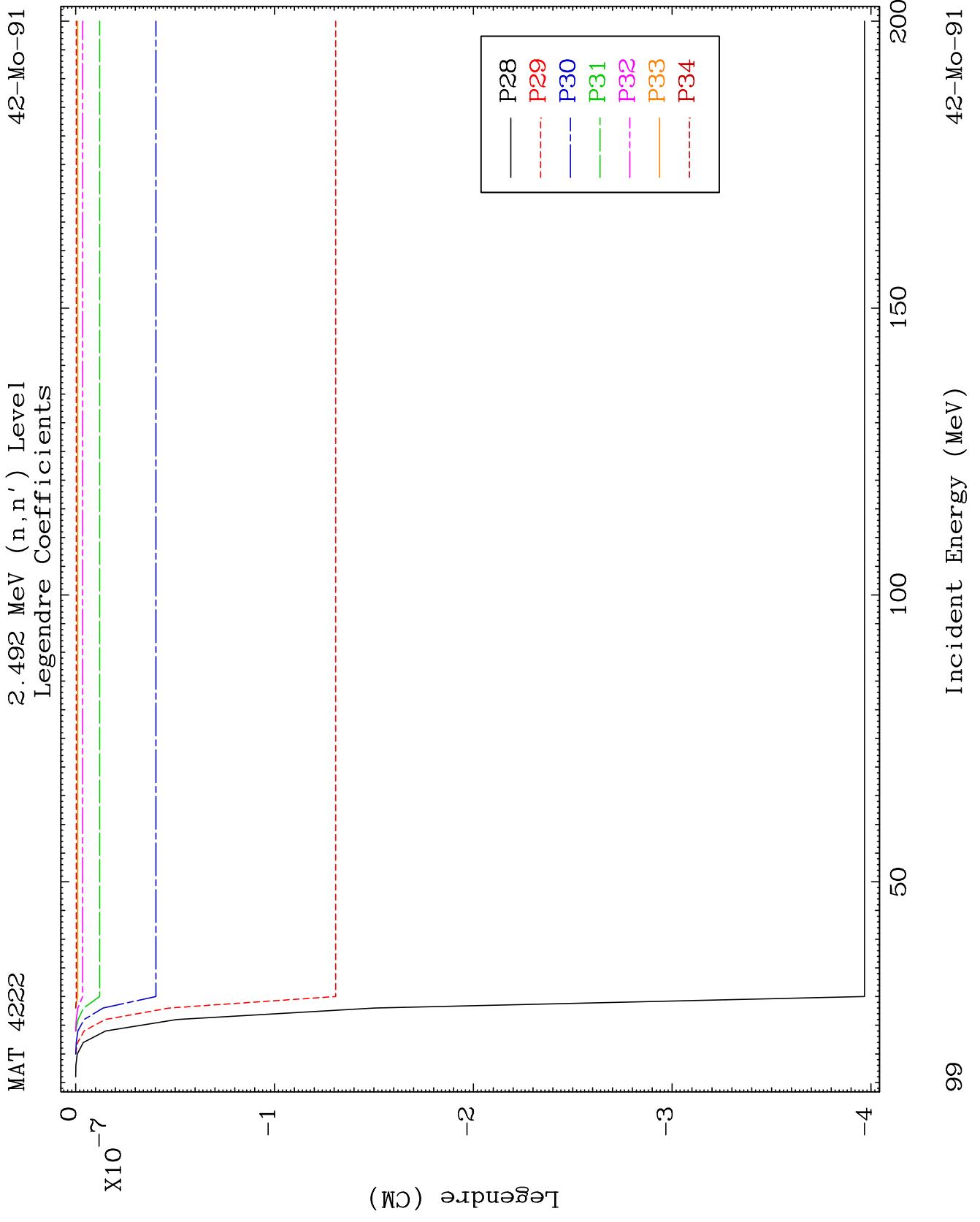


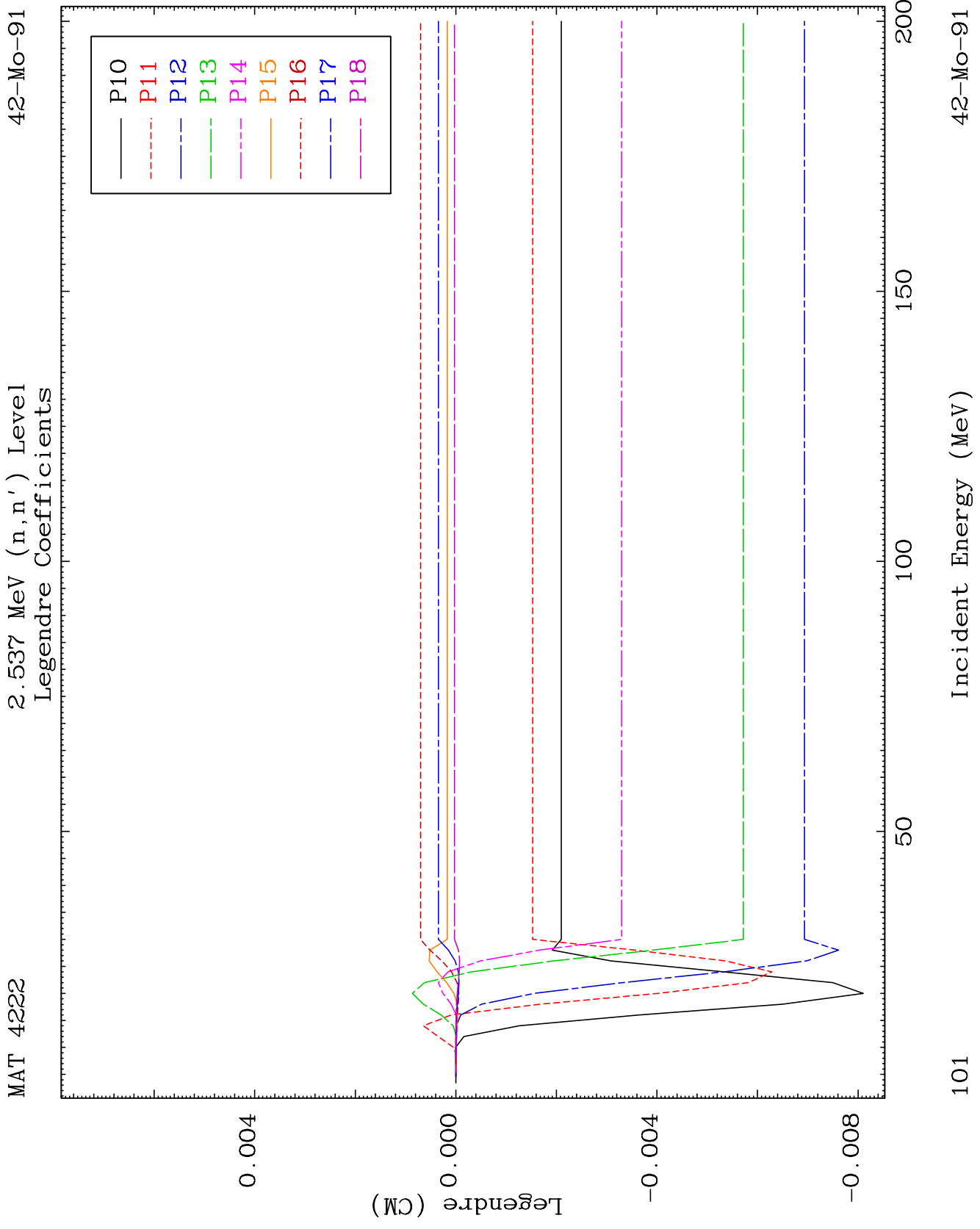
97

Incident Energy (MeV)

42-Mo-91



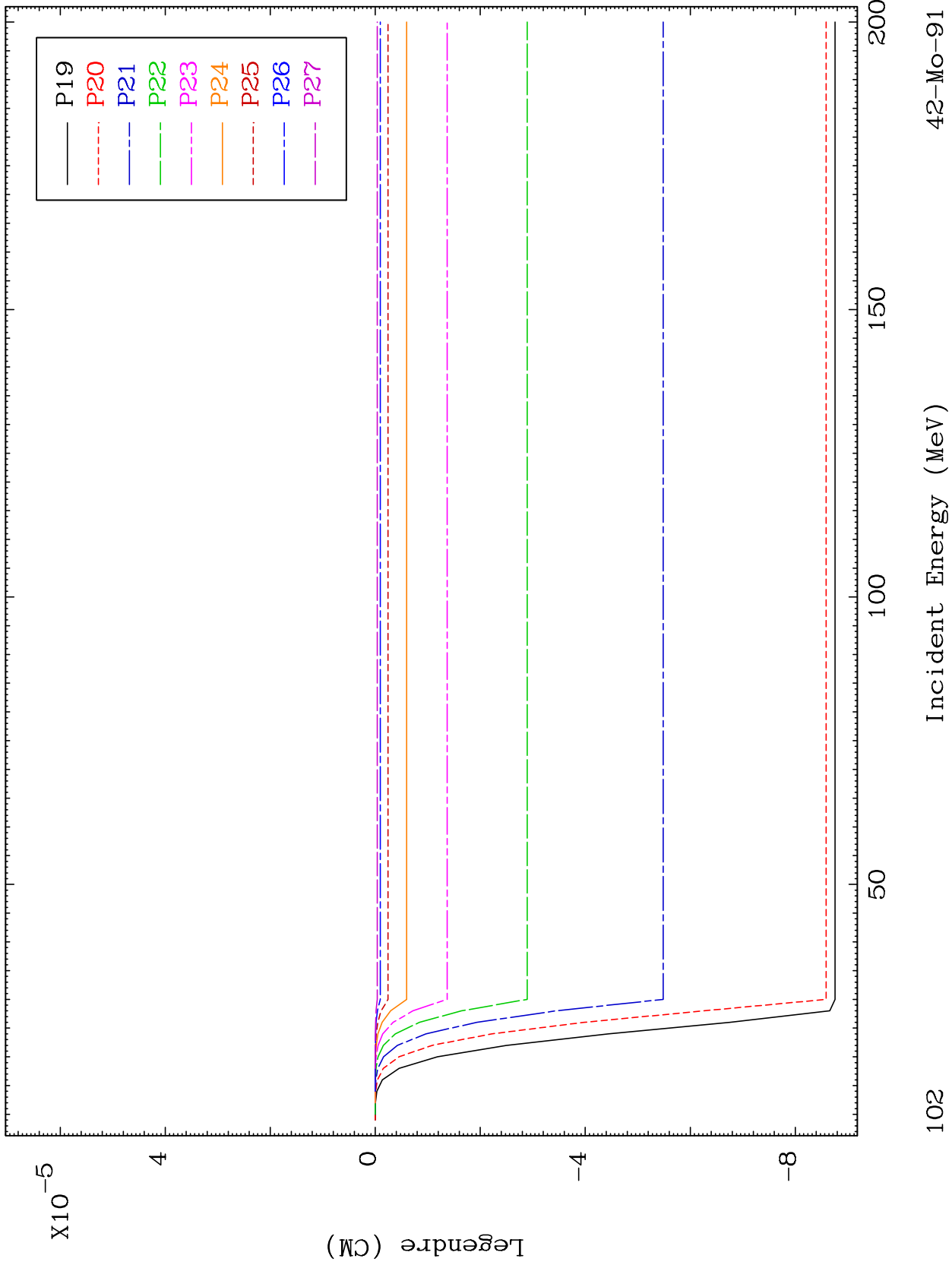




MAT 4222

2.537 MeV (n,n') Level
Legendre Coefficients

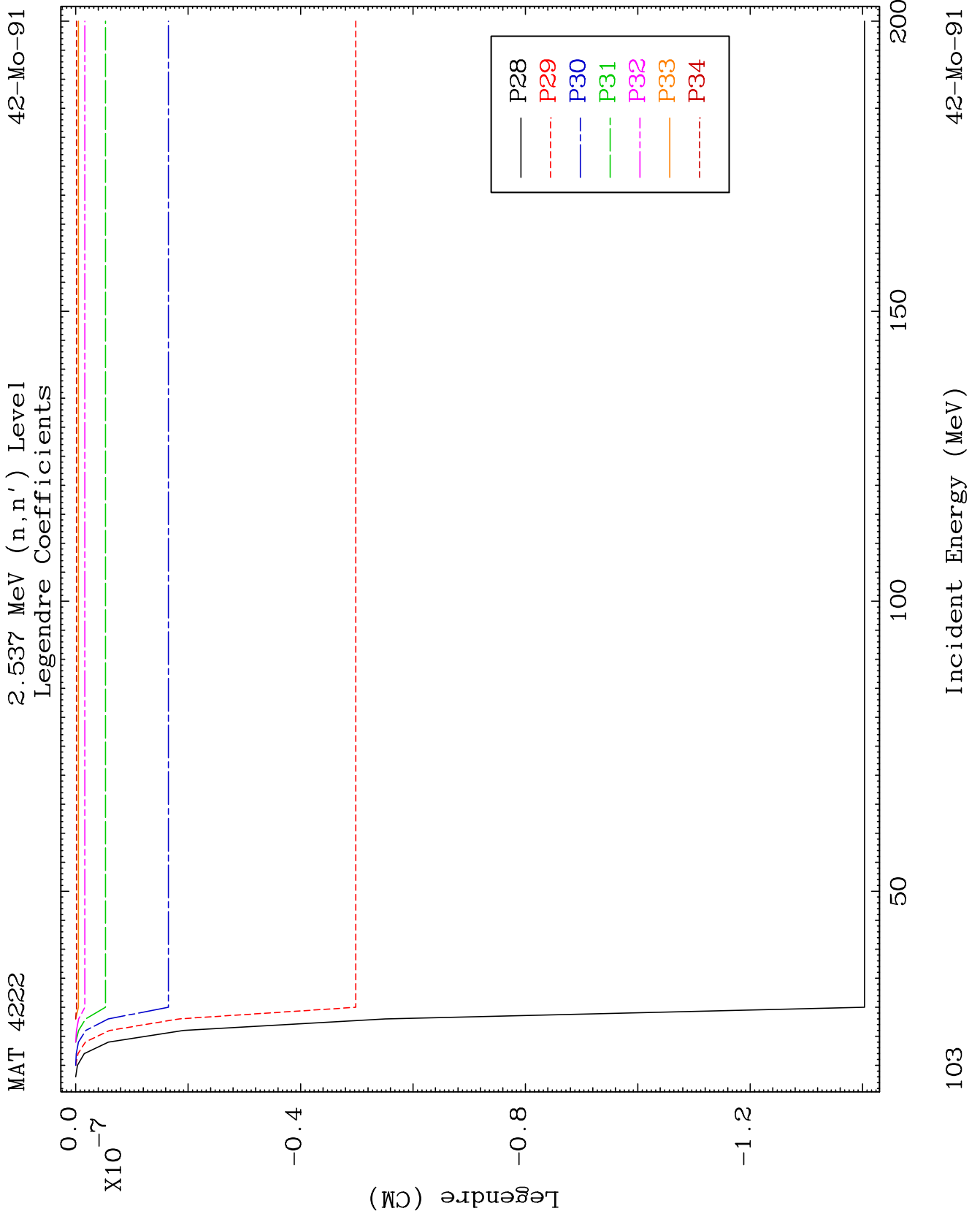
42-Mo-91



102

Incident Energy (MeV)

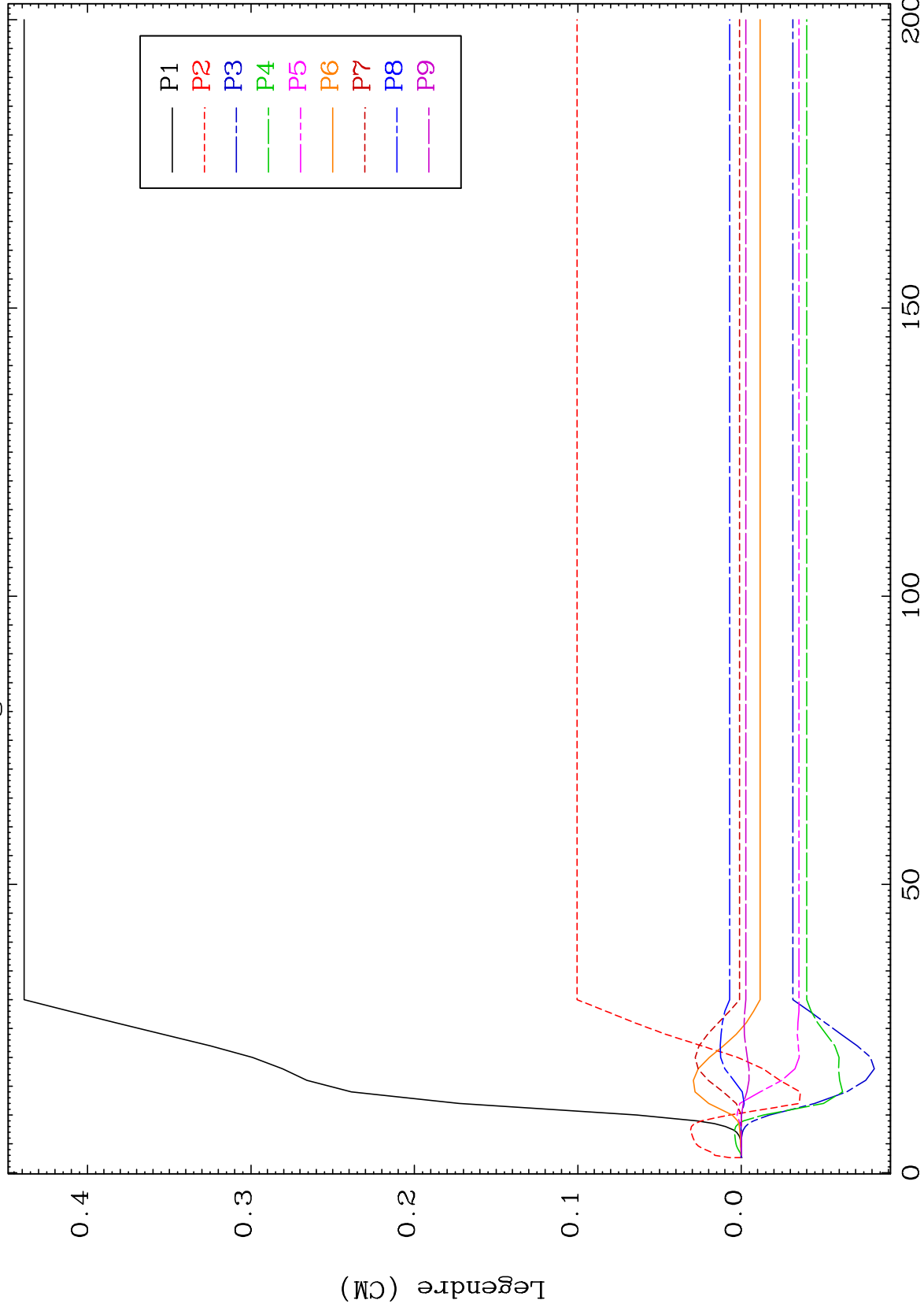
42-Mo-91



MAT 4222

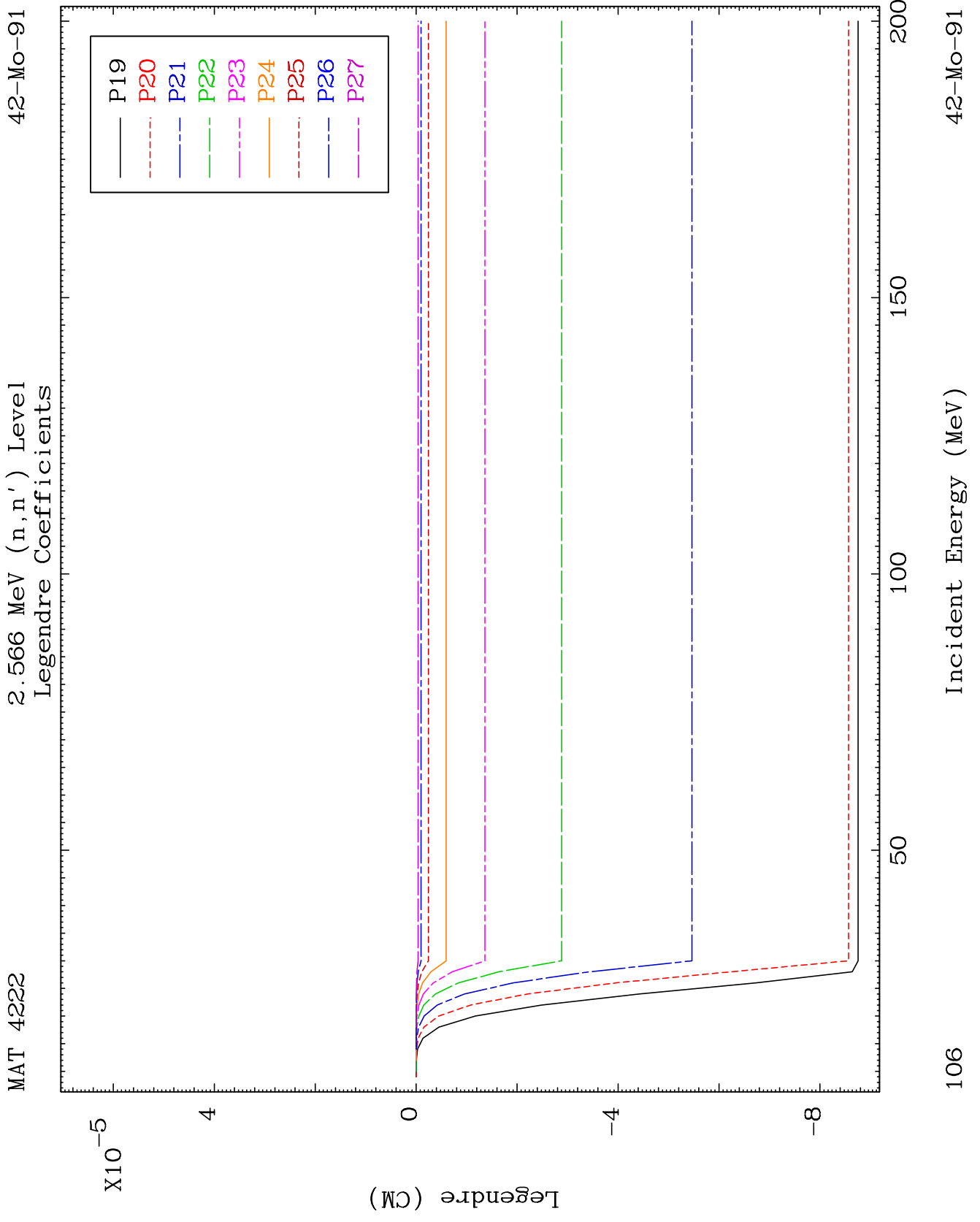
2.566 MeV (n,n') Level
Legendre Coefficients

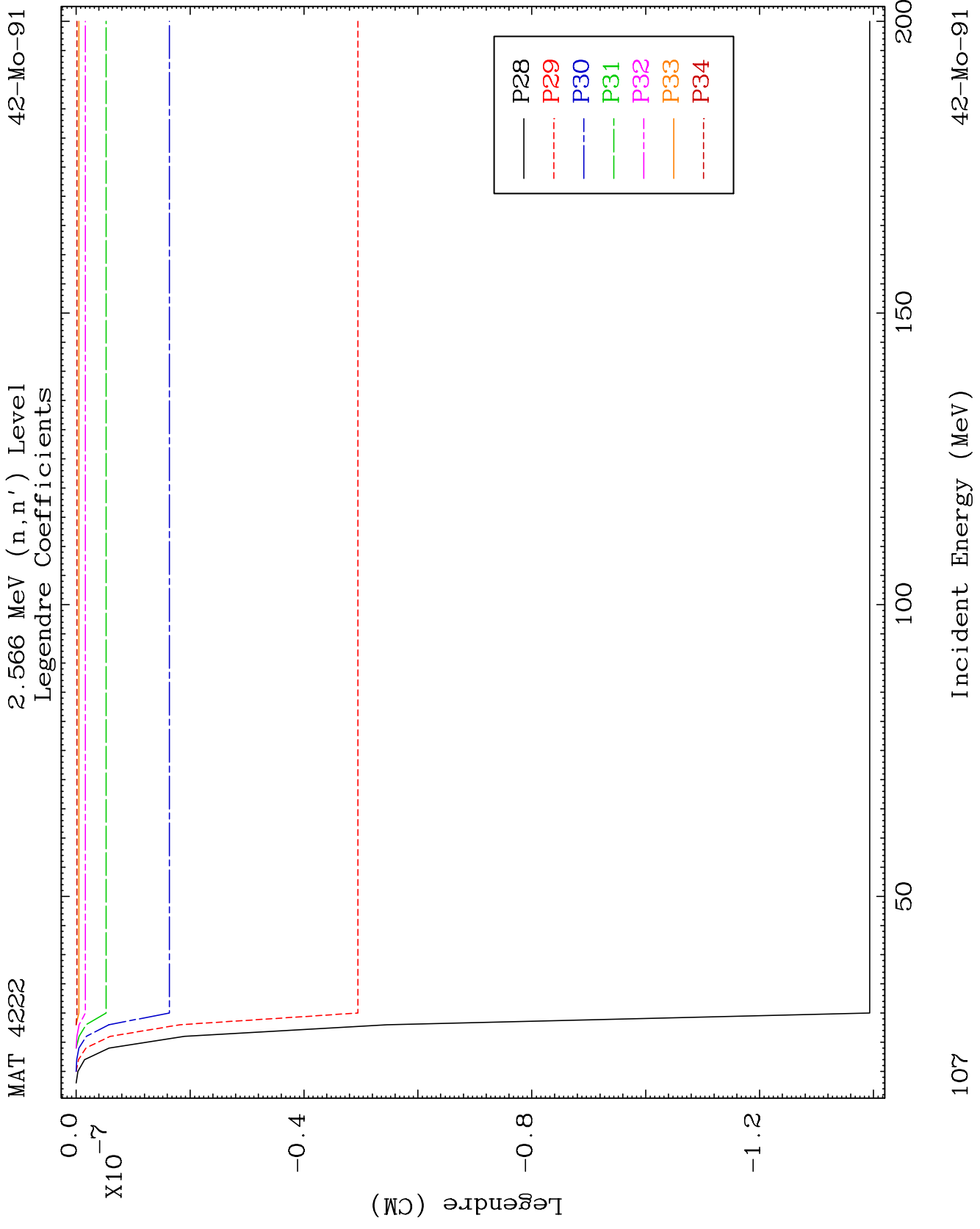
42-Mo-91



104

42-Mo-91

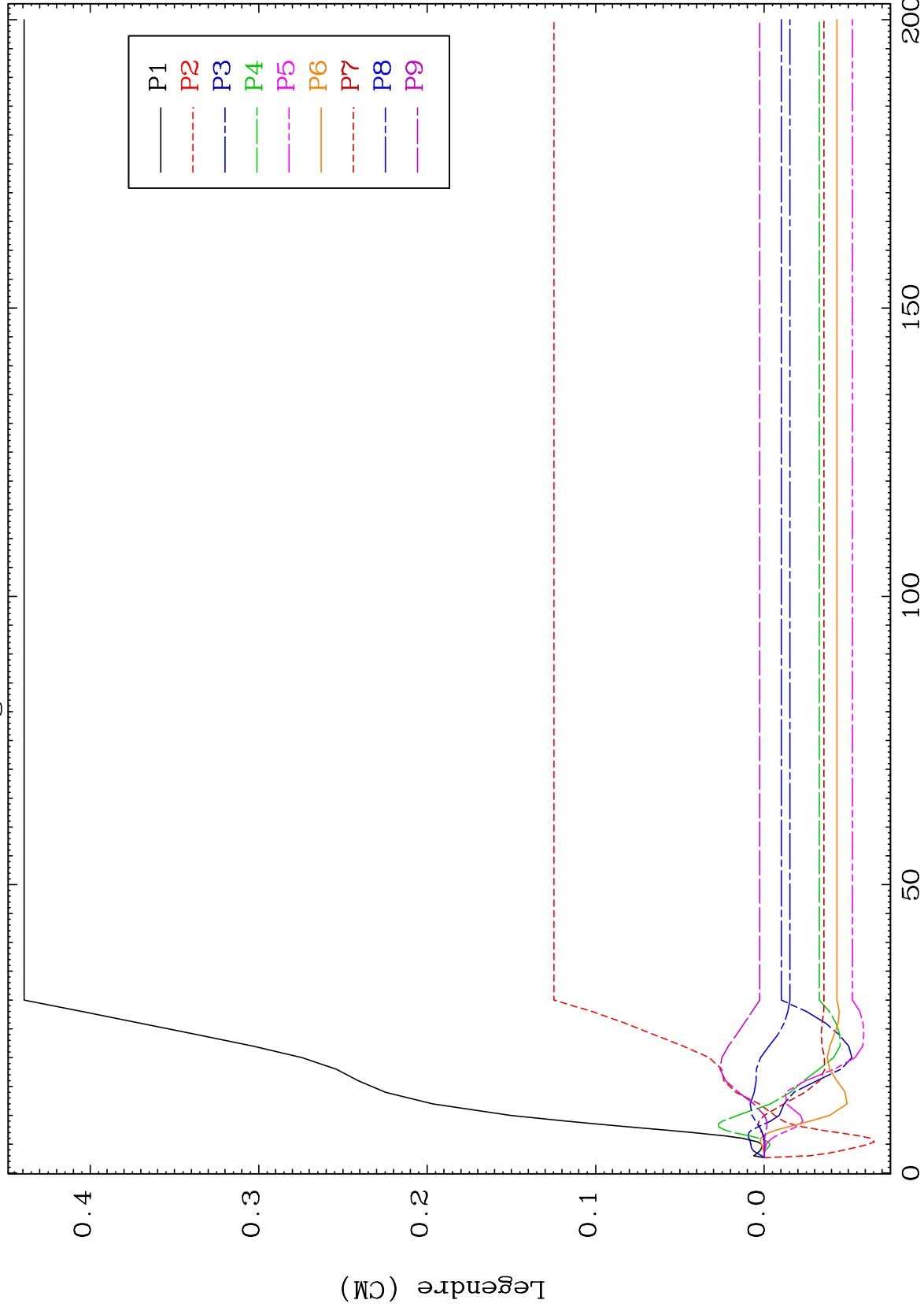




MAT 4222

2.624 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



108

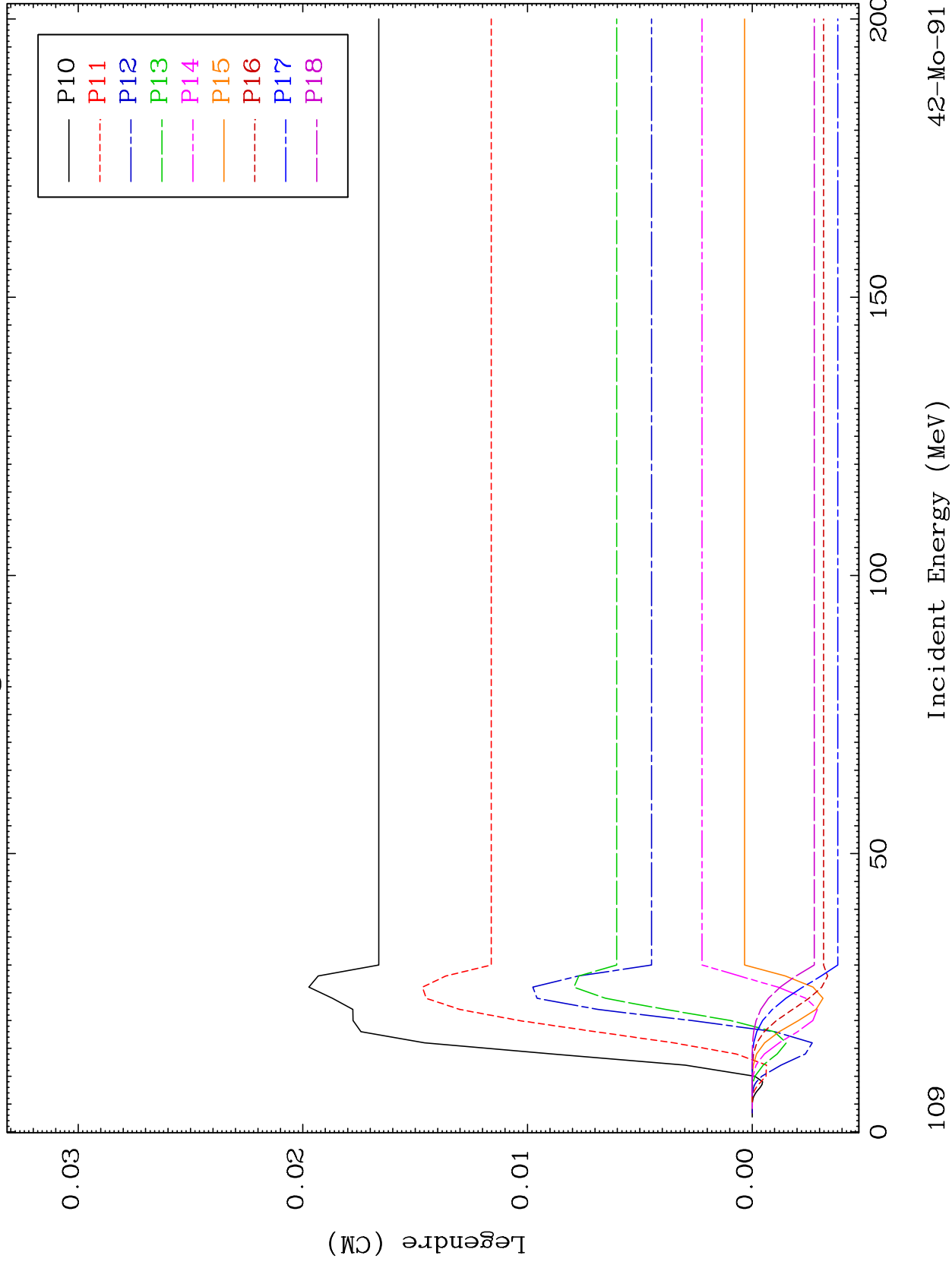
Incident Energy (MeV)

42-Mo-91

MAT 4222

2.624 MeV (n,n') Level
Legendre Coefficients

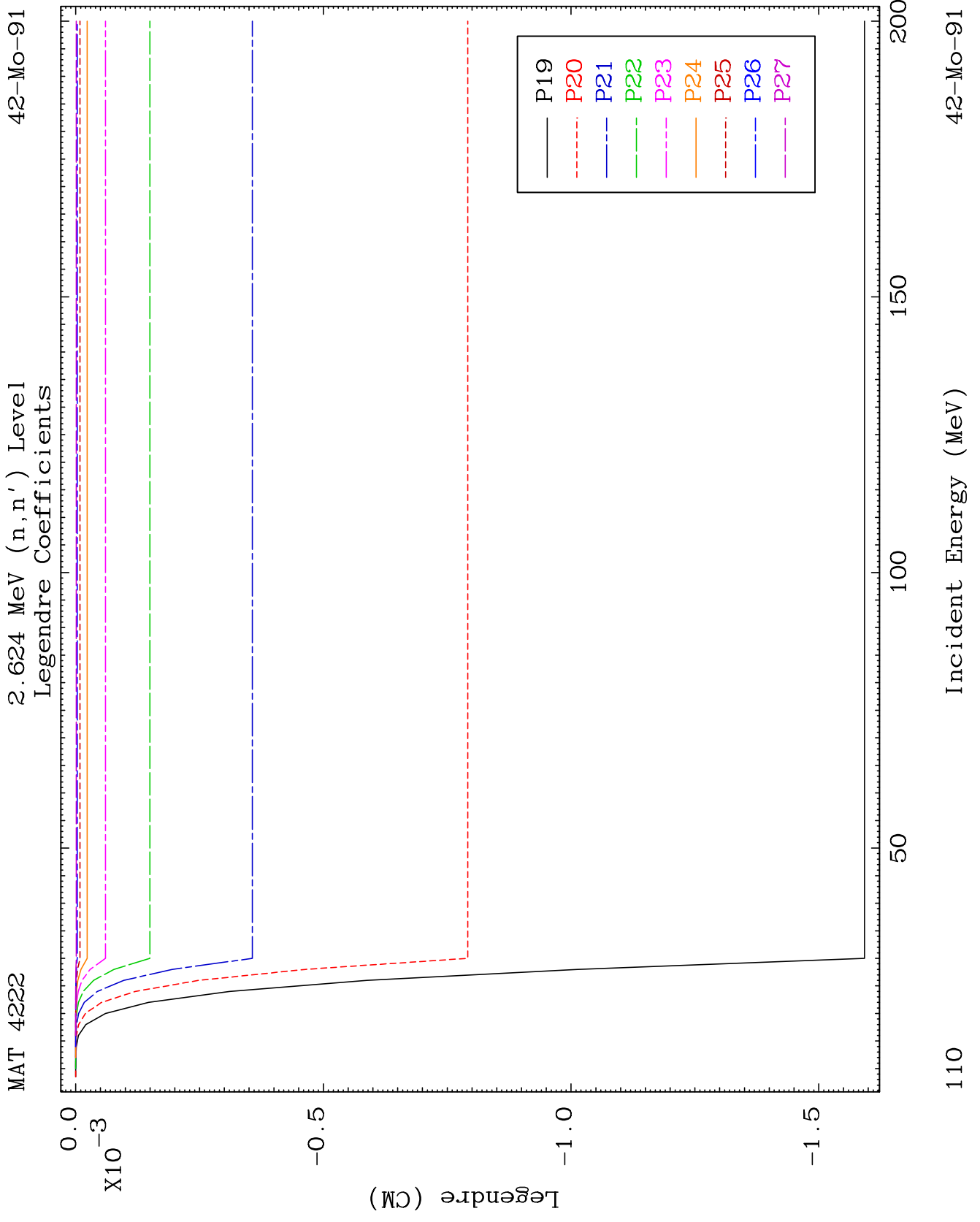
42-Mo-91

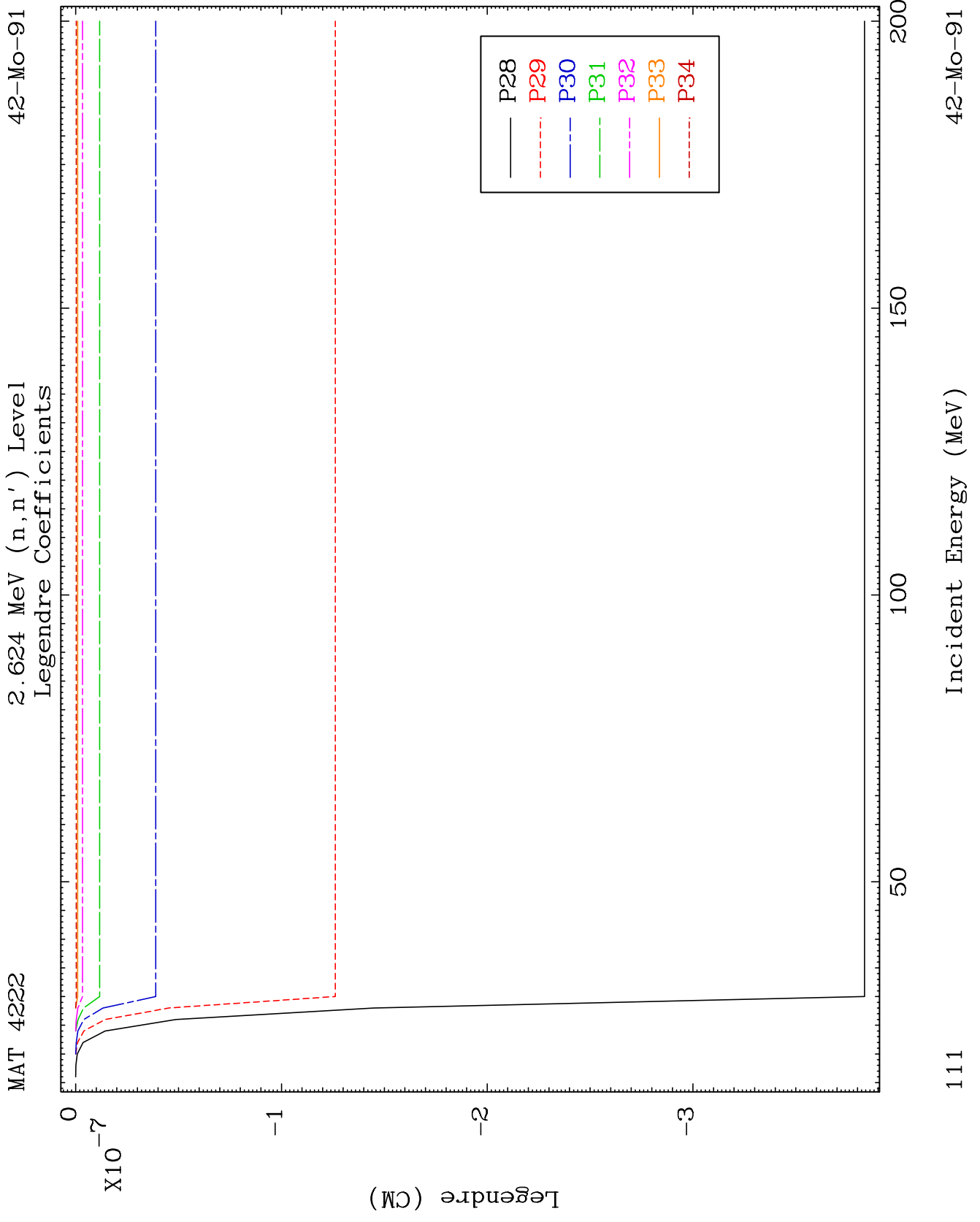


109

Incident Energy (MeV)

42-Mo-91

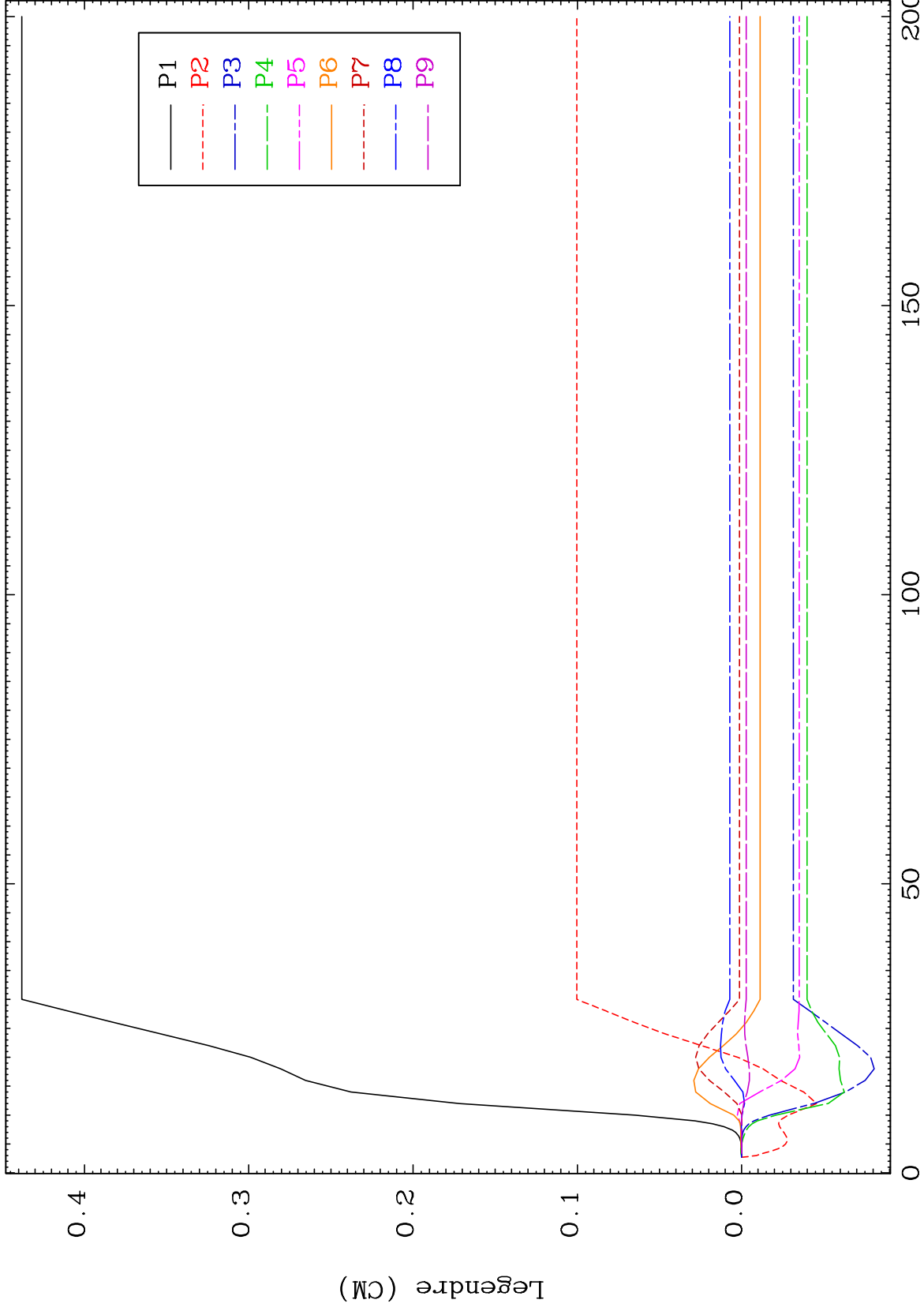




MAT 4222

2.663 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



112

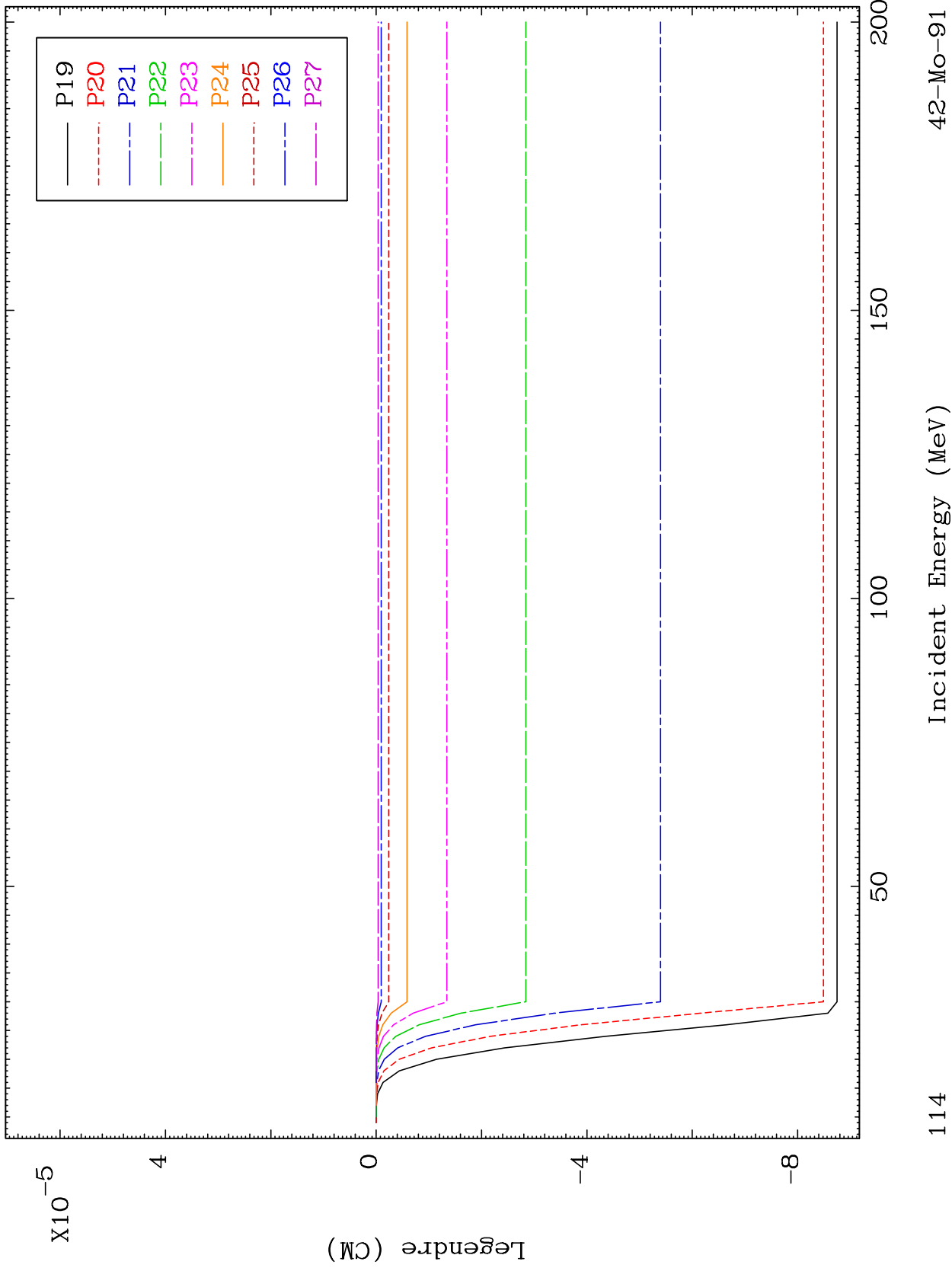
Incident Energy (MeV)

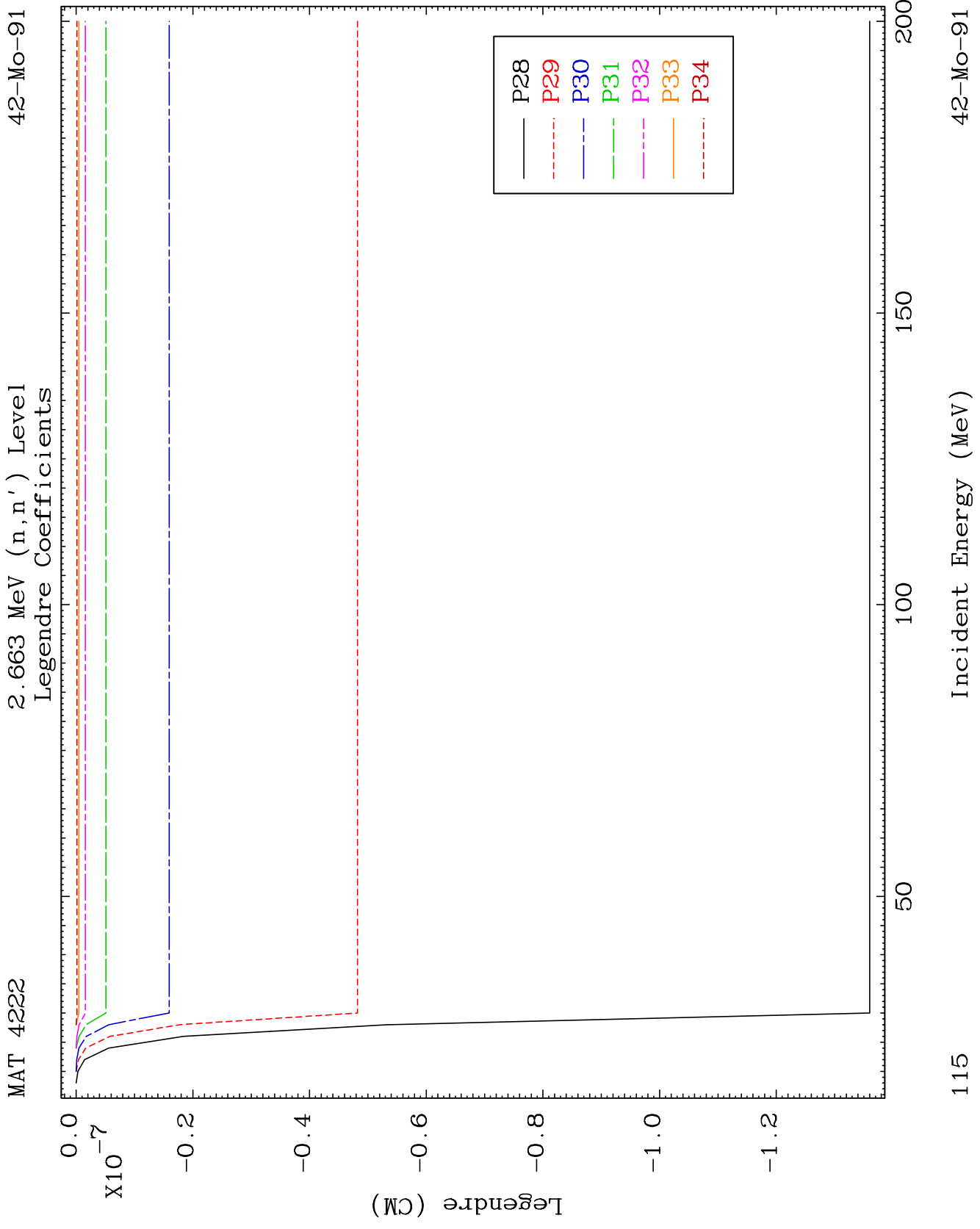
42-Mo-91

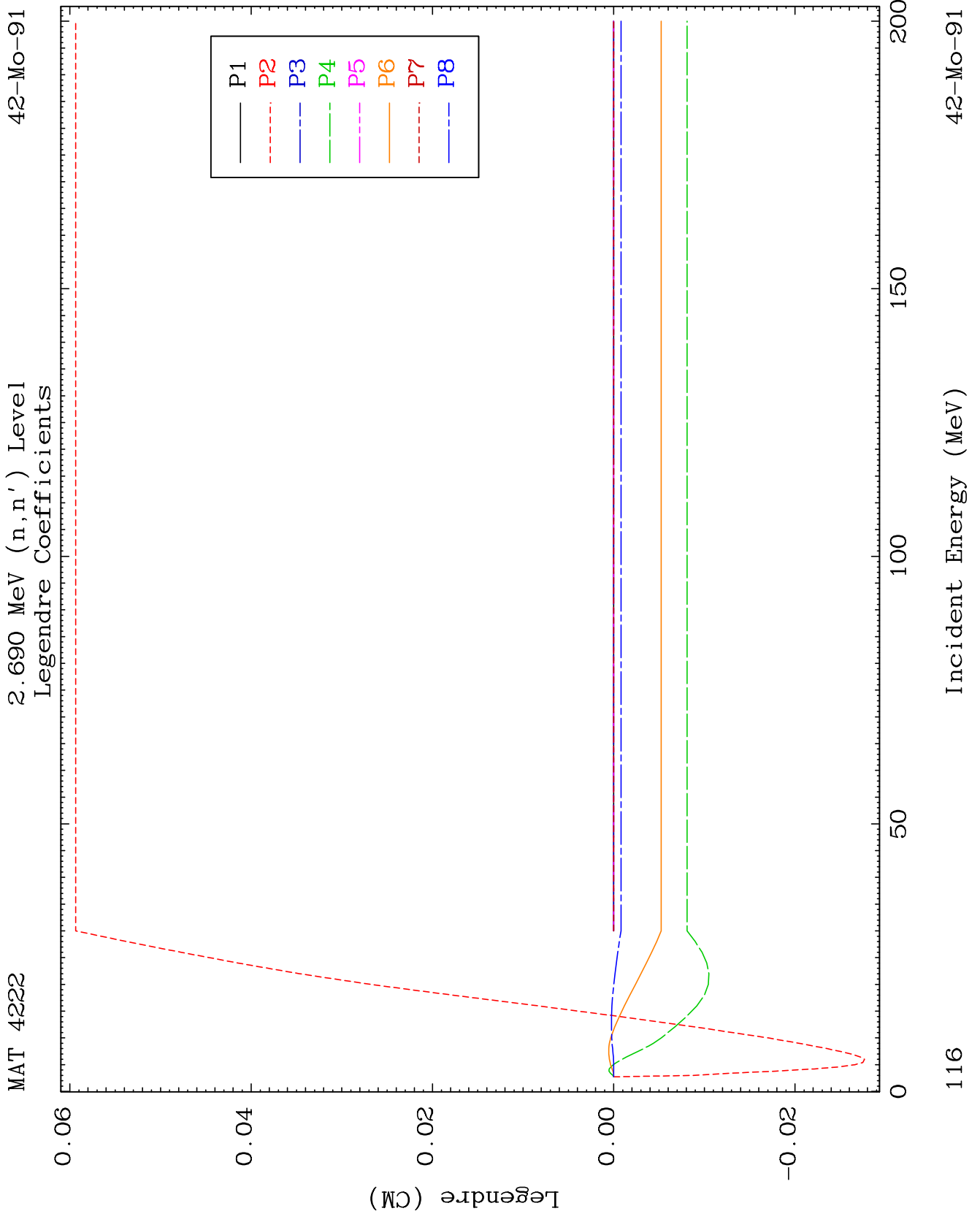
MAT 4222

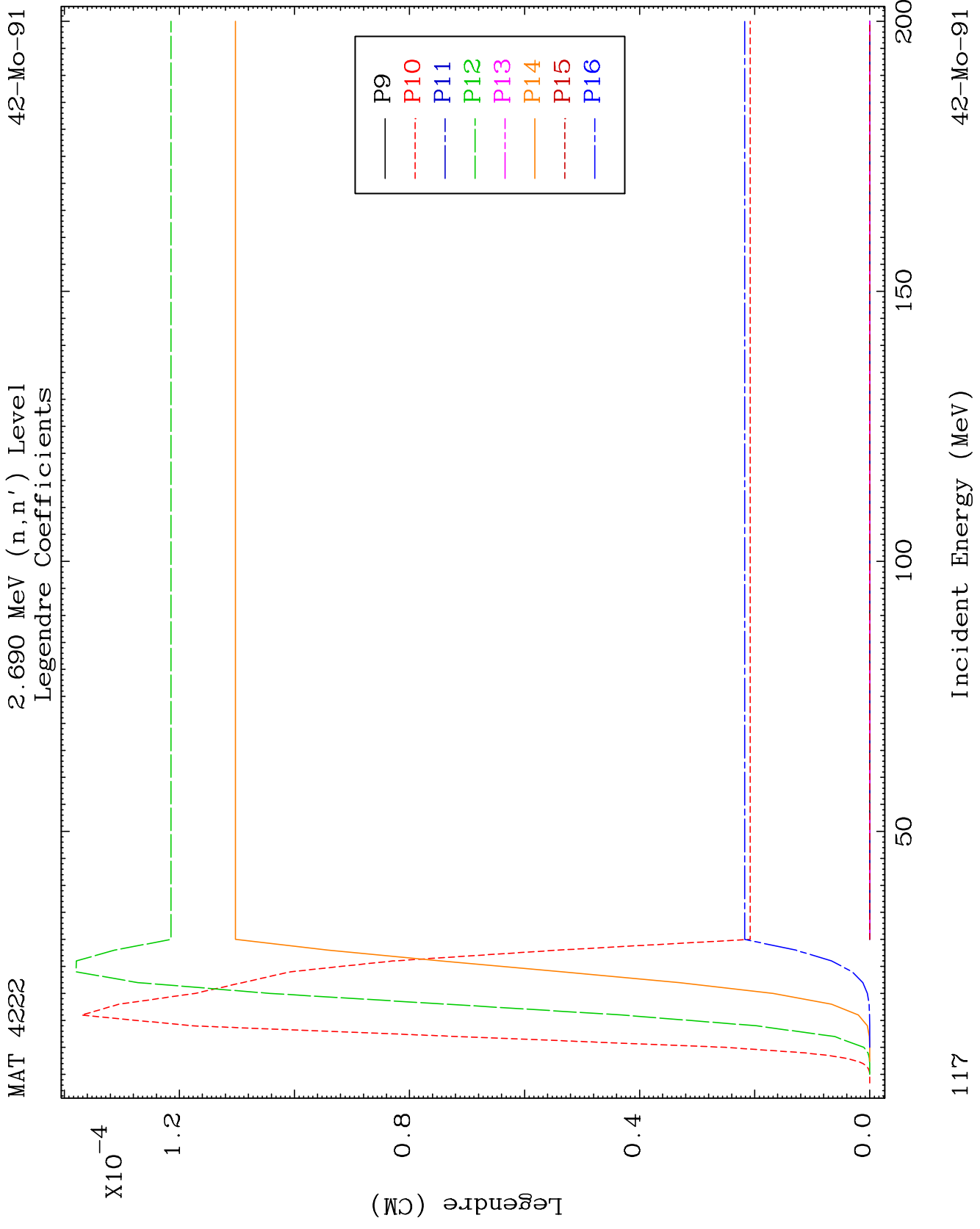
2.663 MeV (n,n') Level
Legendre Coefficients

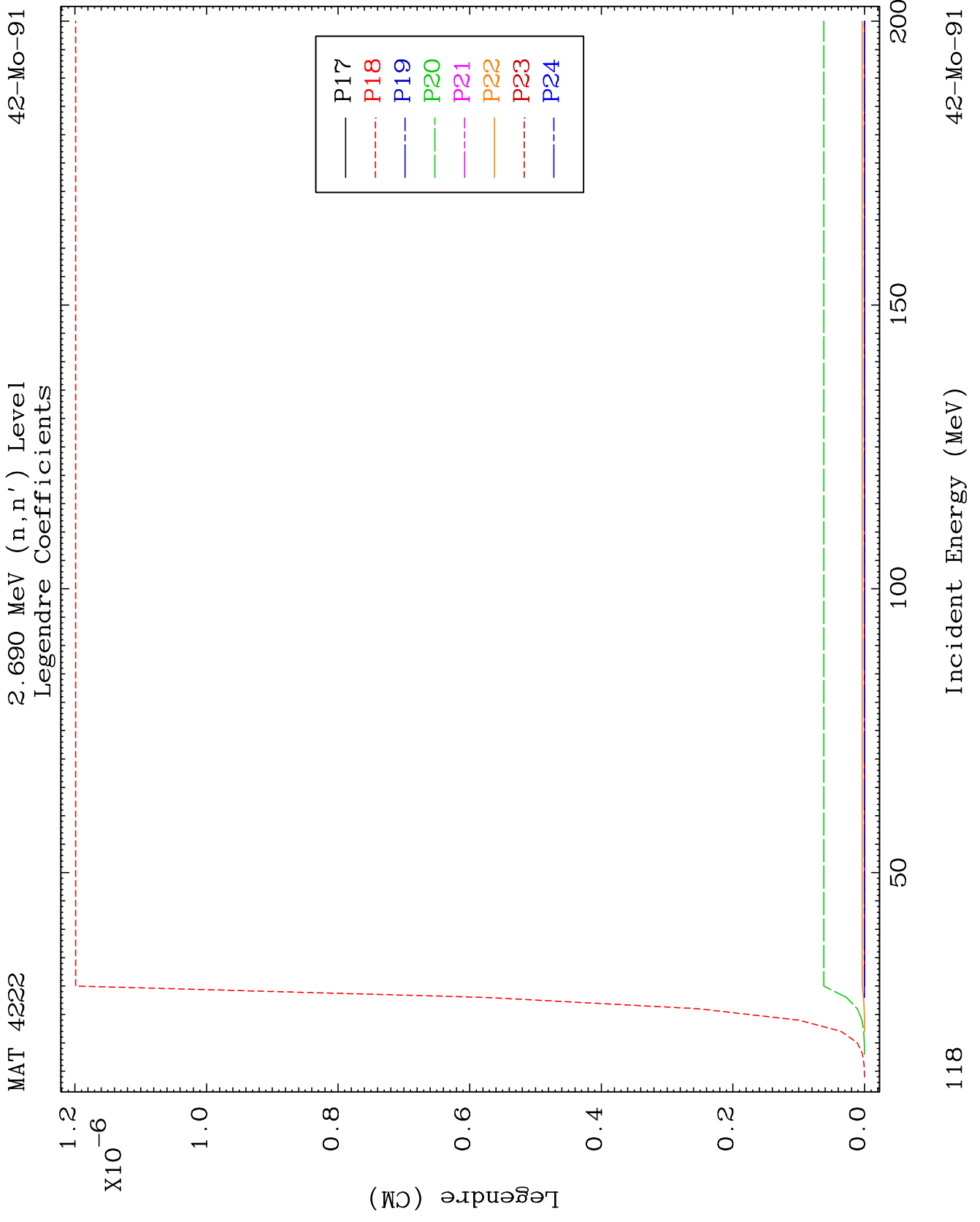
42-Mo-91







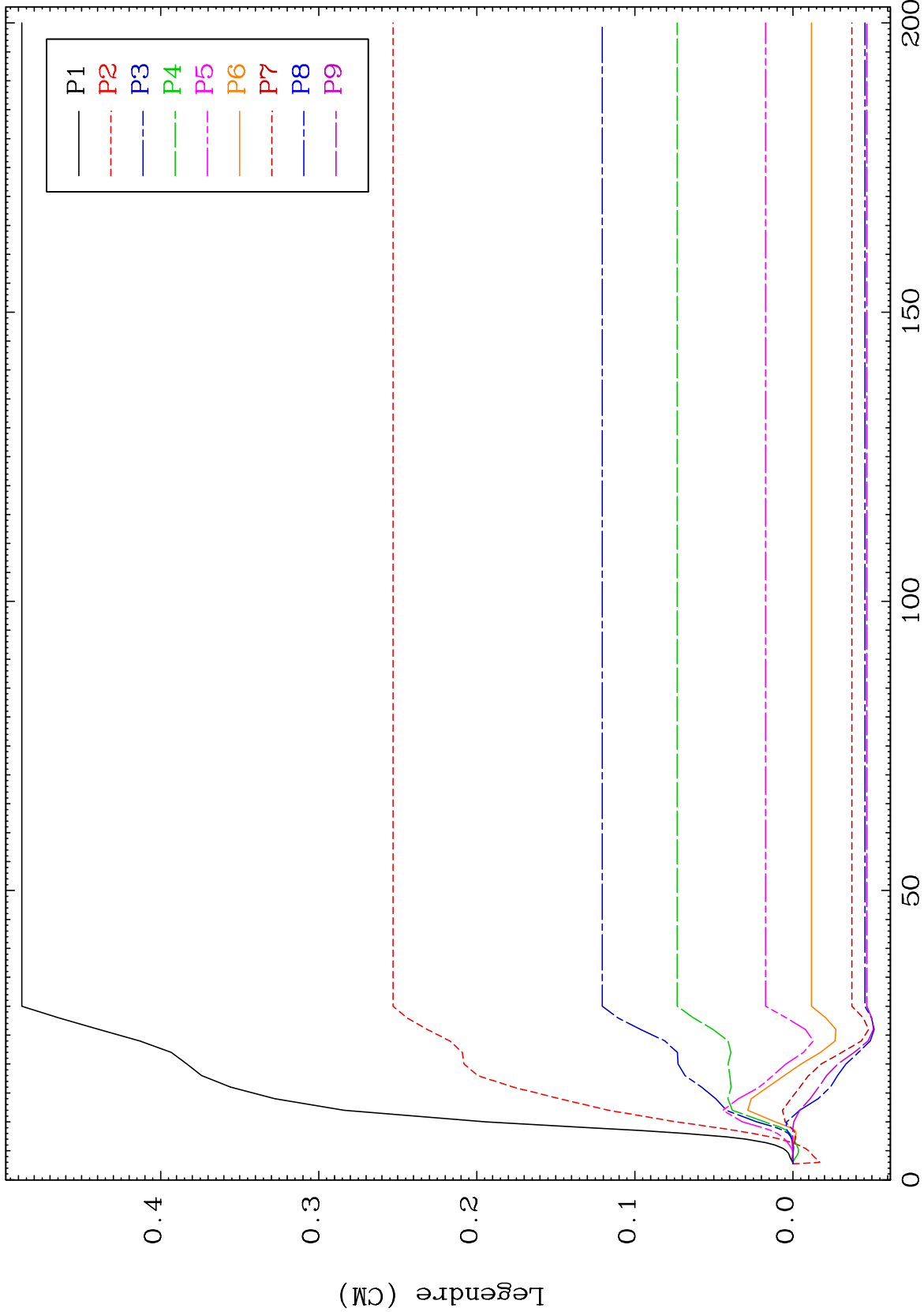




MAT 4222

2.716 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



119

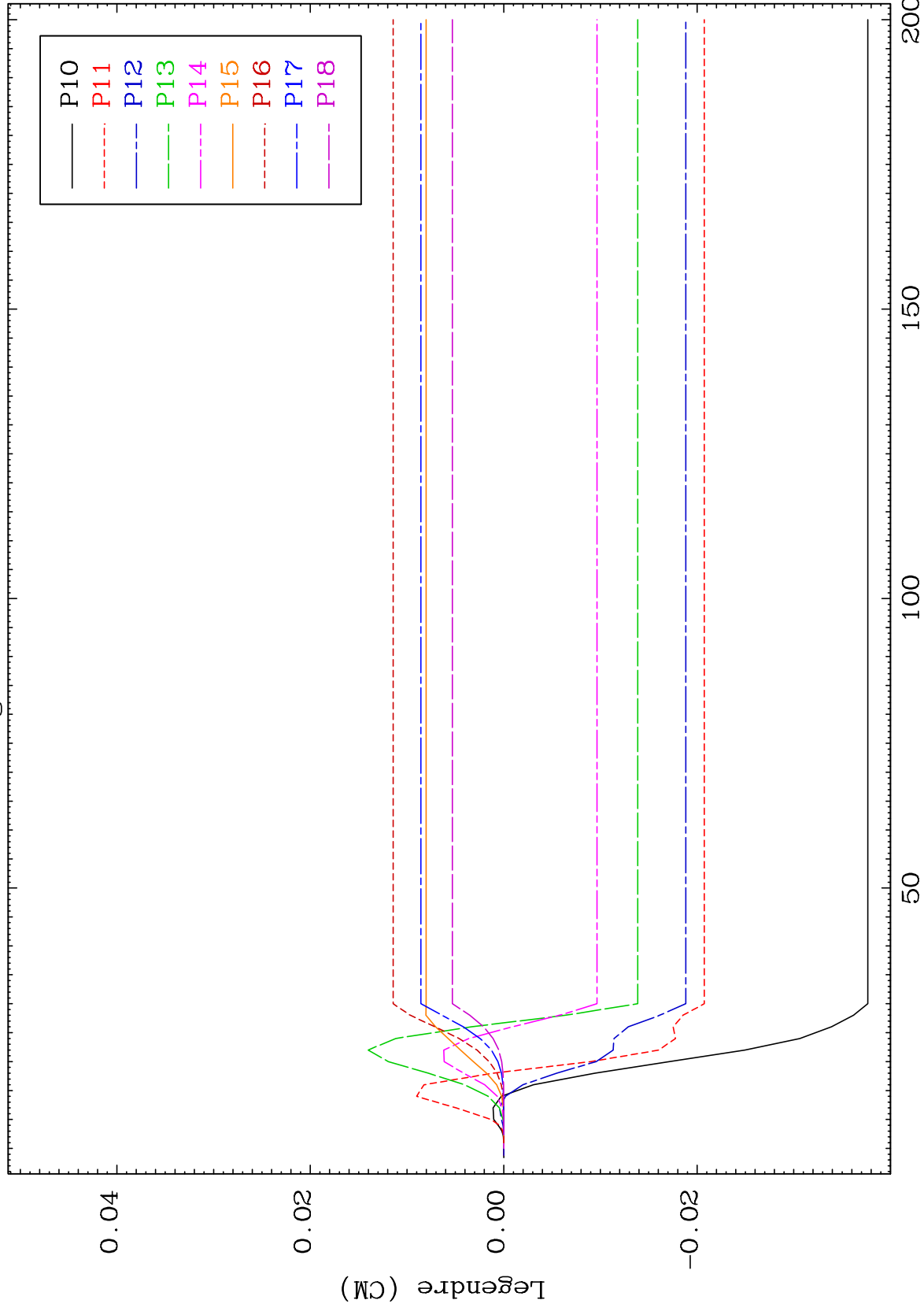
Incident Energy (MeV)

42-Mo-91

MAT 4222

2.716 MeV (n,n') Level
Legendre Coefficients

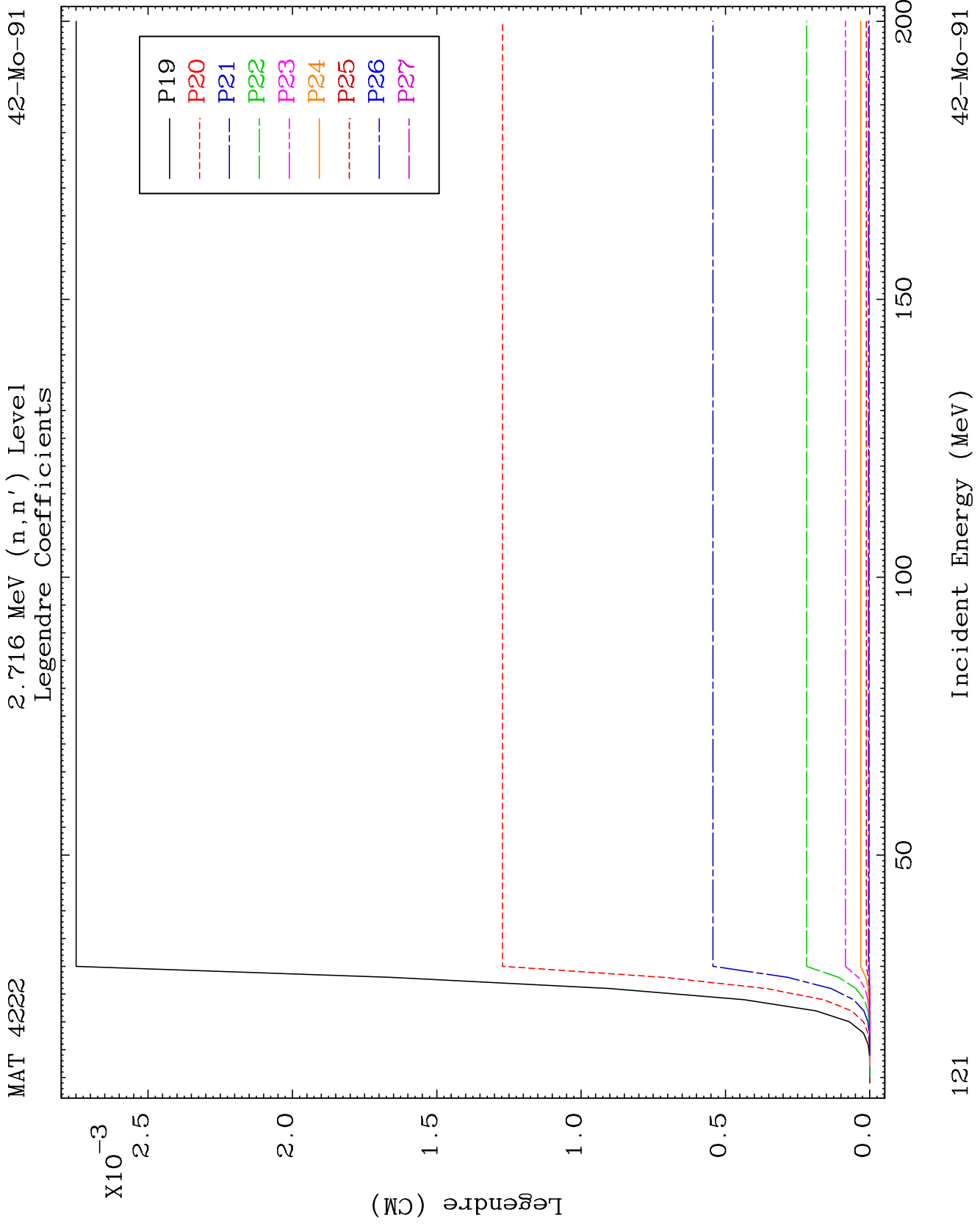
42-Mo-91

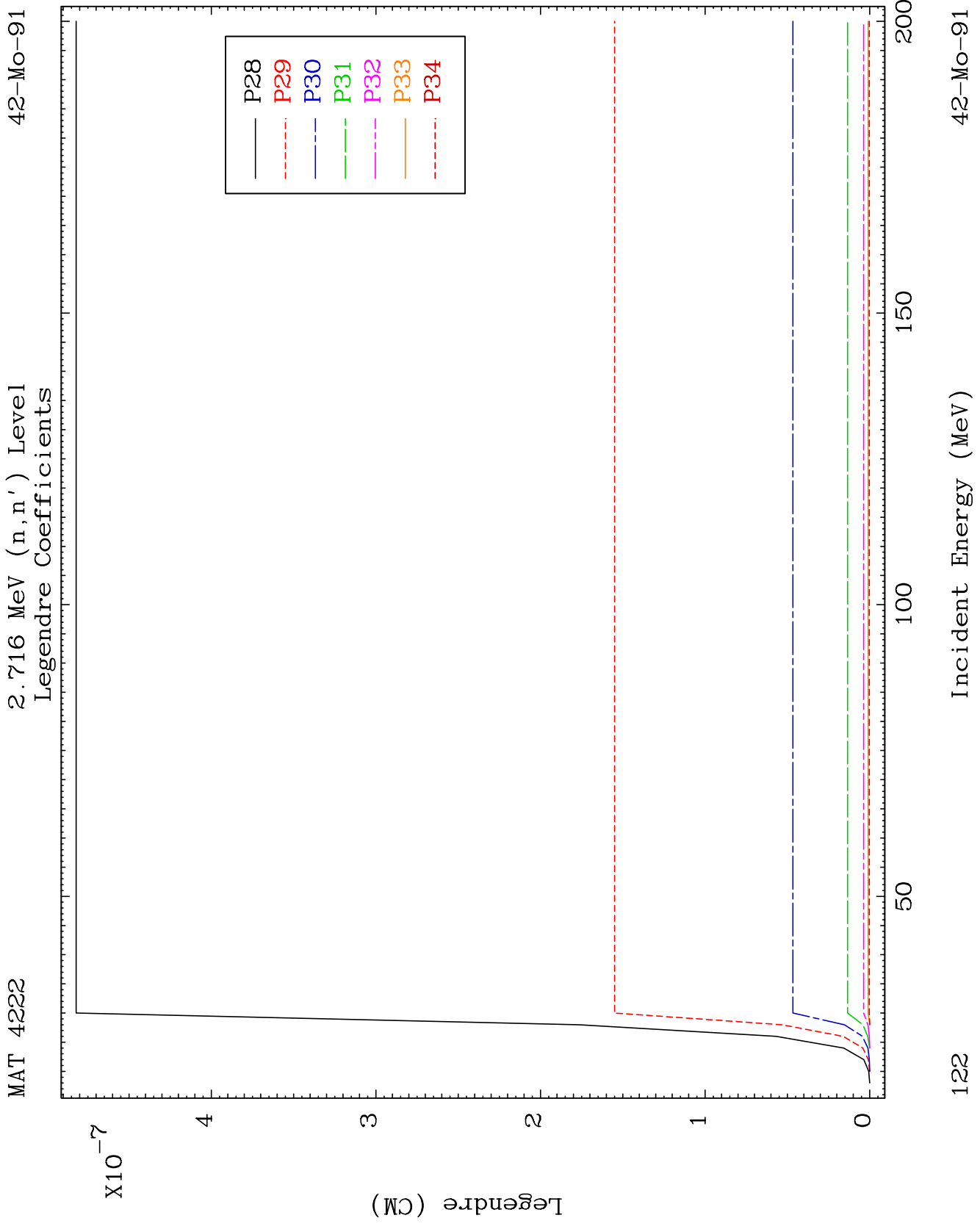


120

Incident Energy (MeV)

42-Mo-91

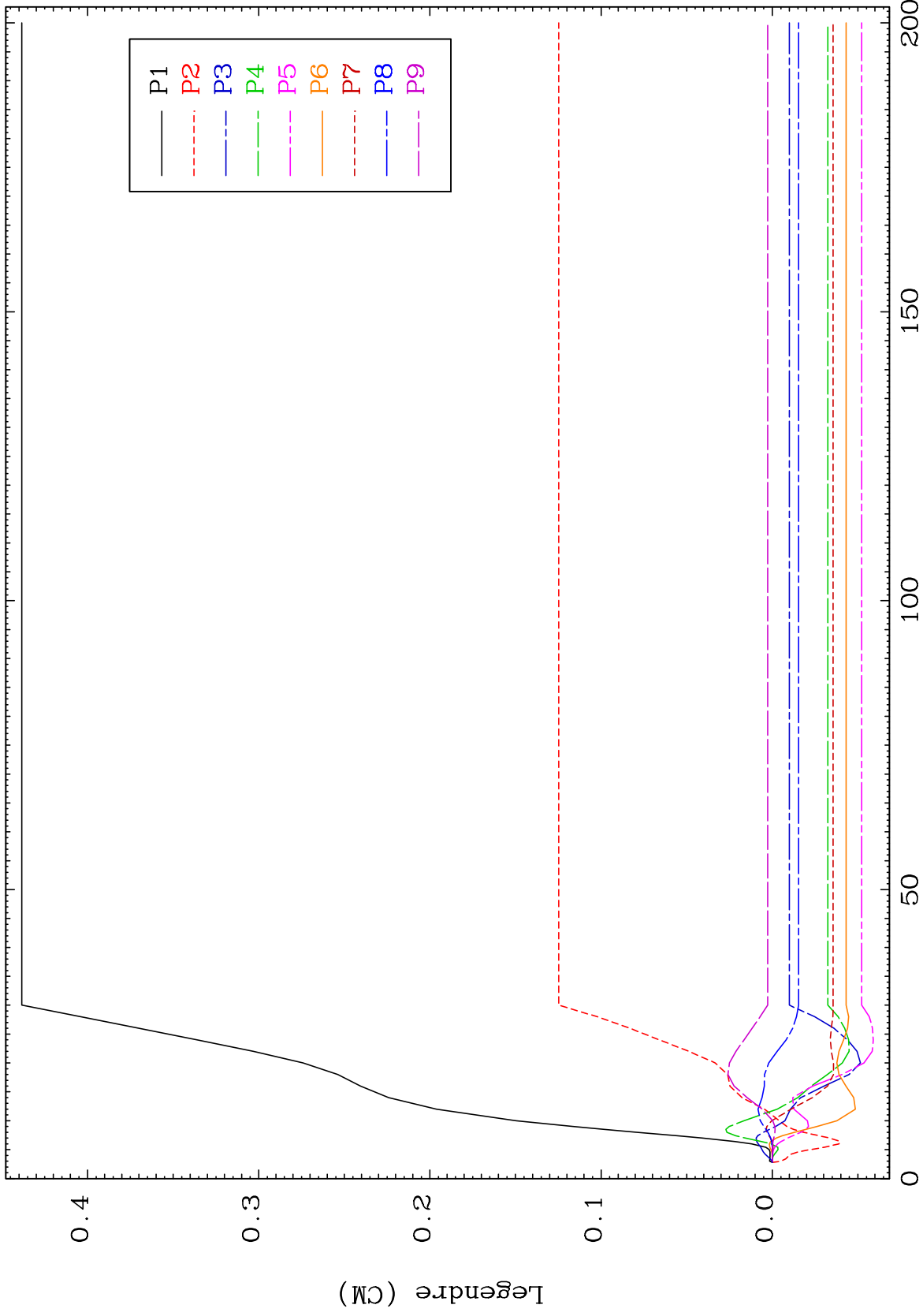




MAT 4222

2.744 MeV (n,n') Level
Legendre Coefficients

42-Mo-91



123

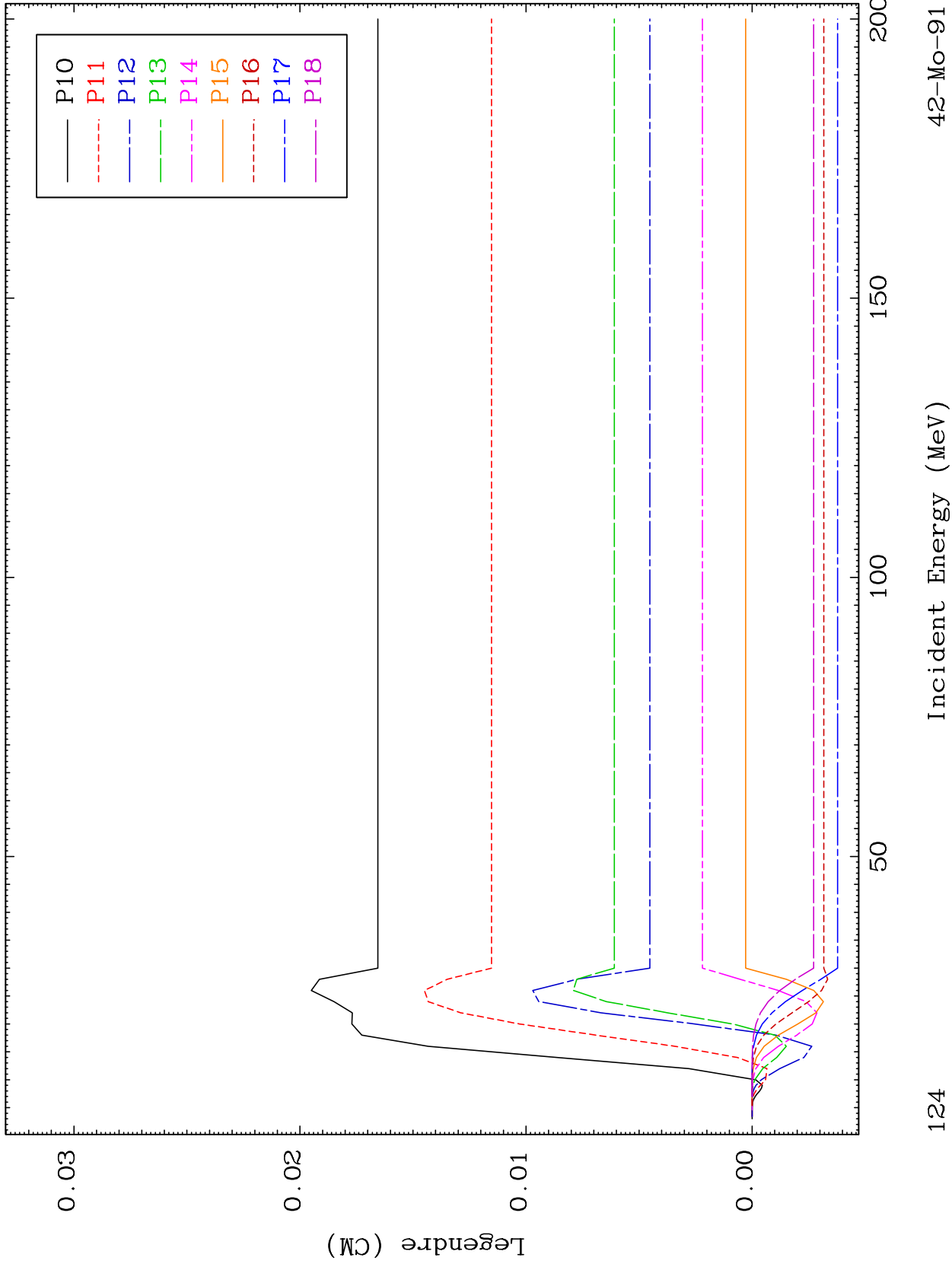
Incident Energy (MeV)

42-Mo-91

MAT 4222

2.744 MeV (n,n') Level
Legendre Coefficients

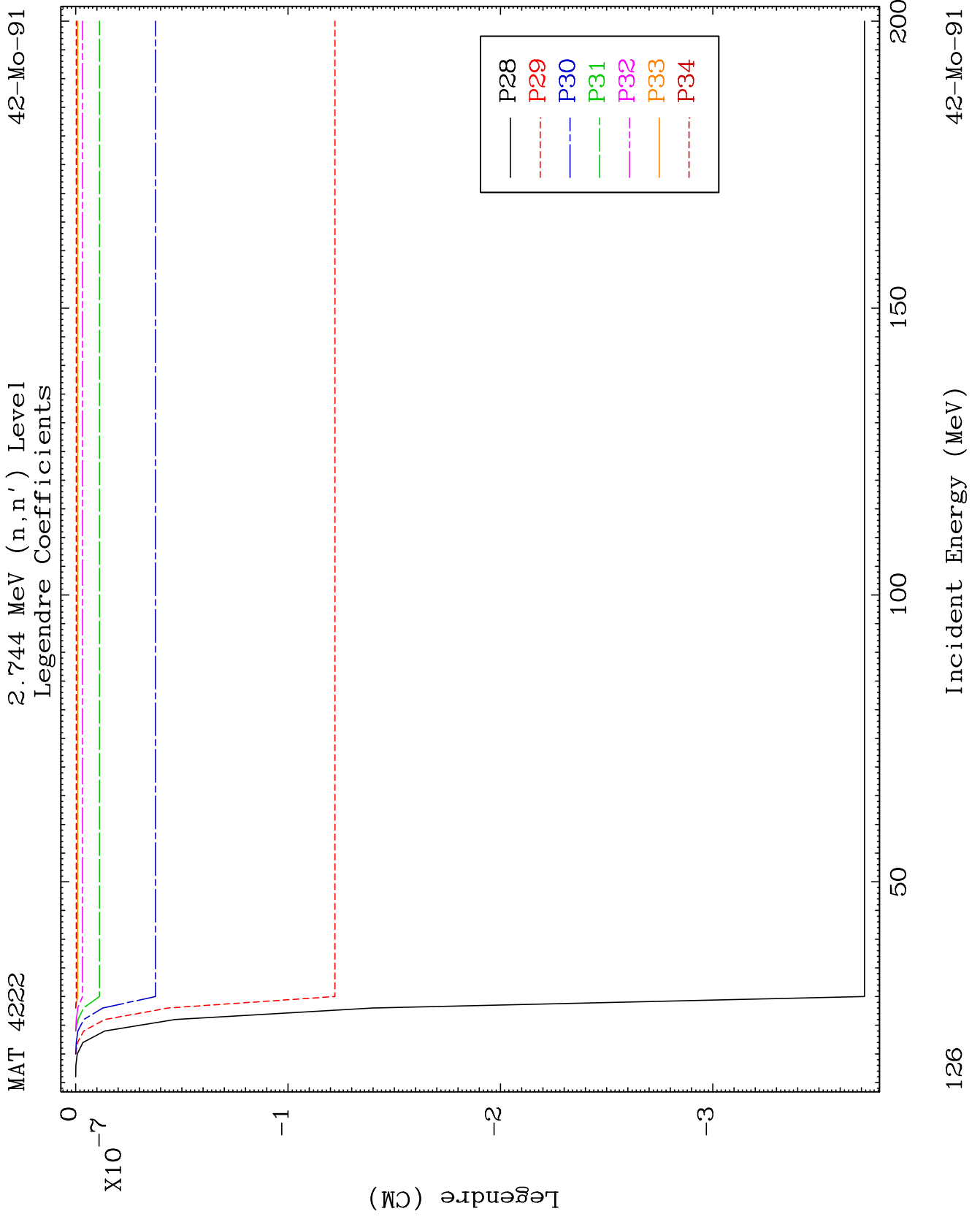
42-Mo-91

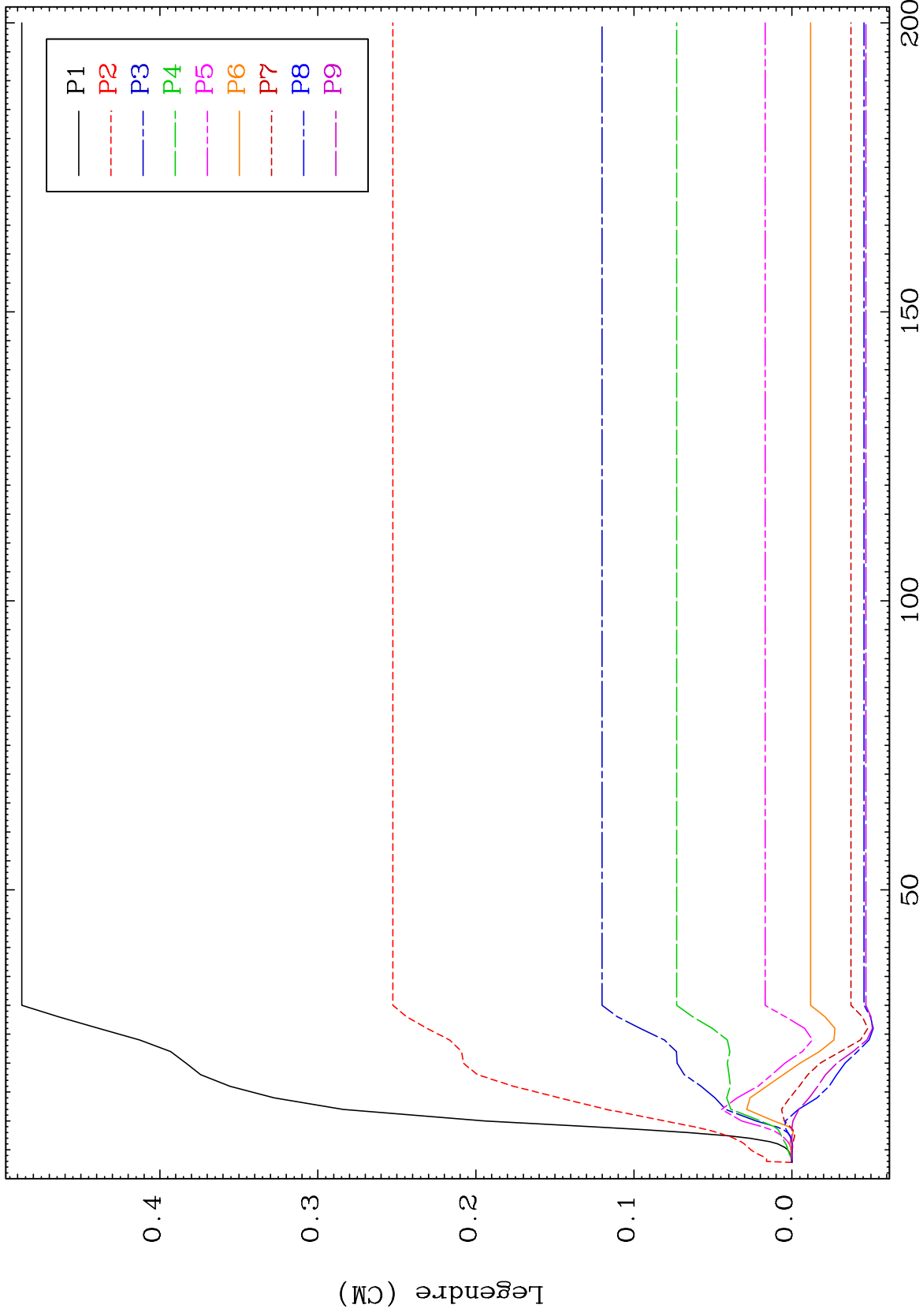


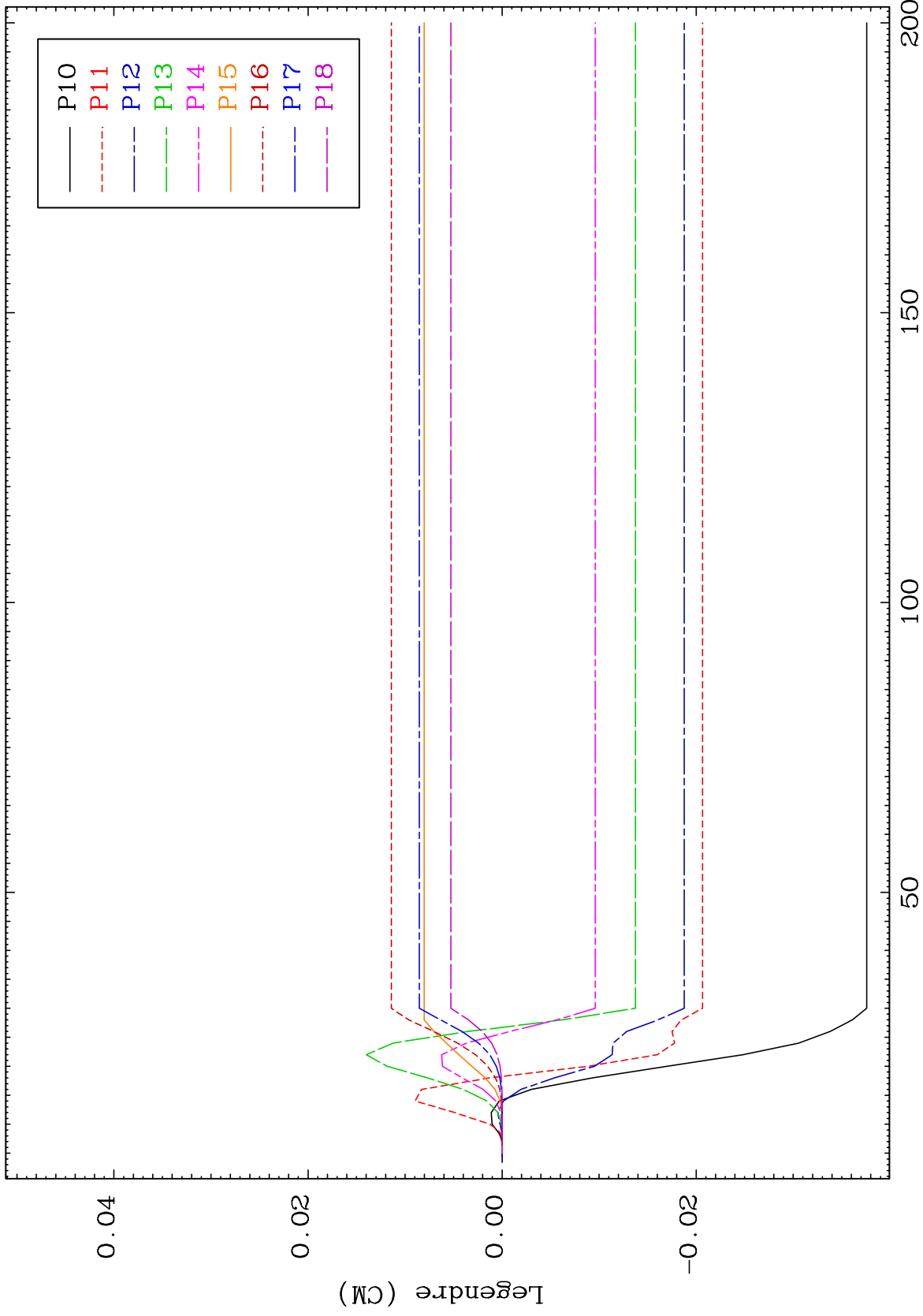
124

Incident Energy (MeV)

42-Mo-91



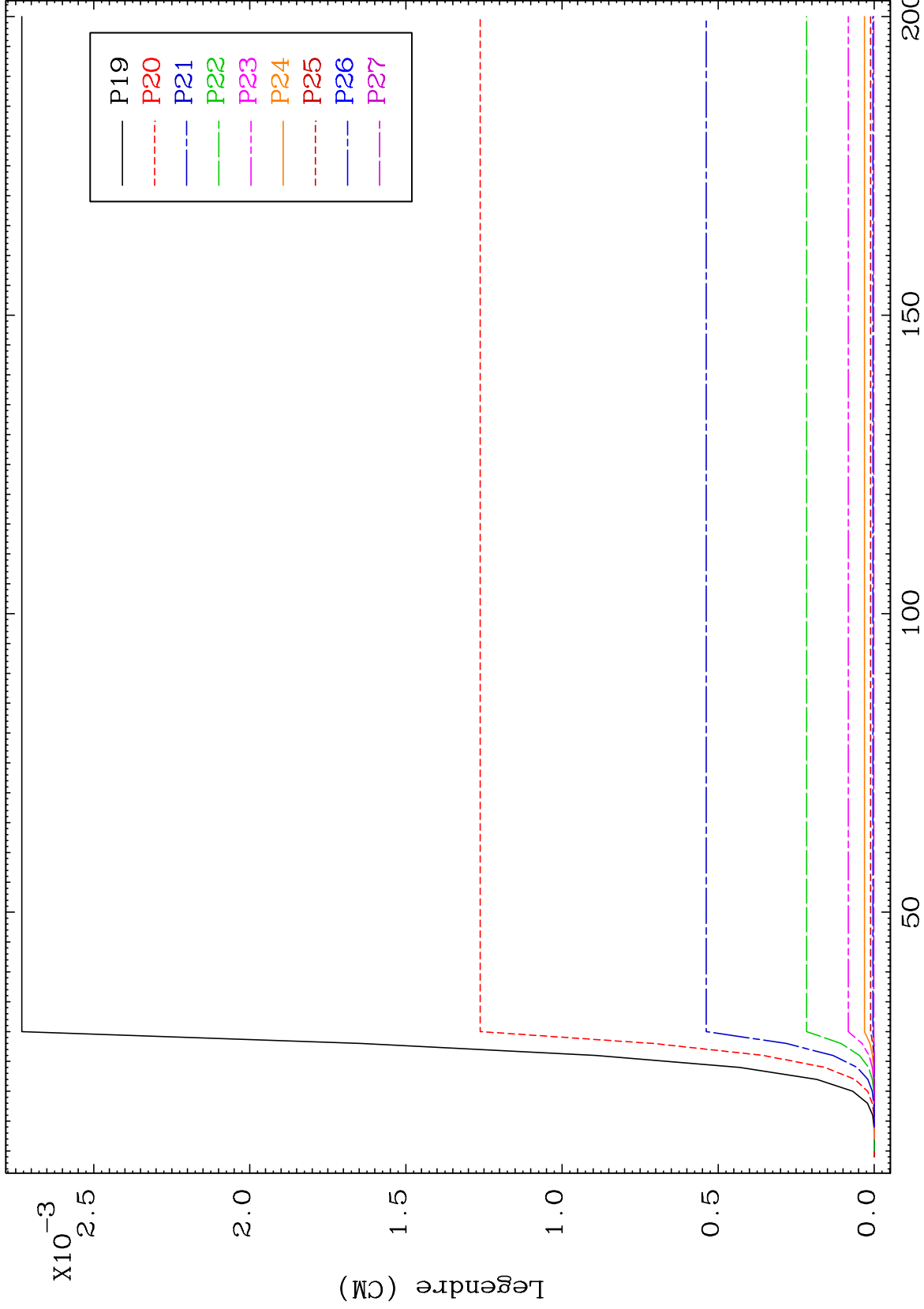




MAT 4222

2.772 MeV (n,n') Level
Legendre Coefficients

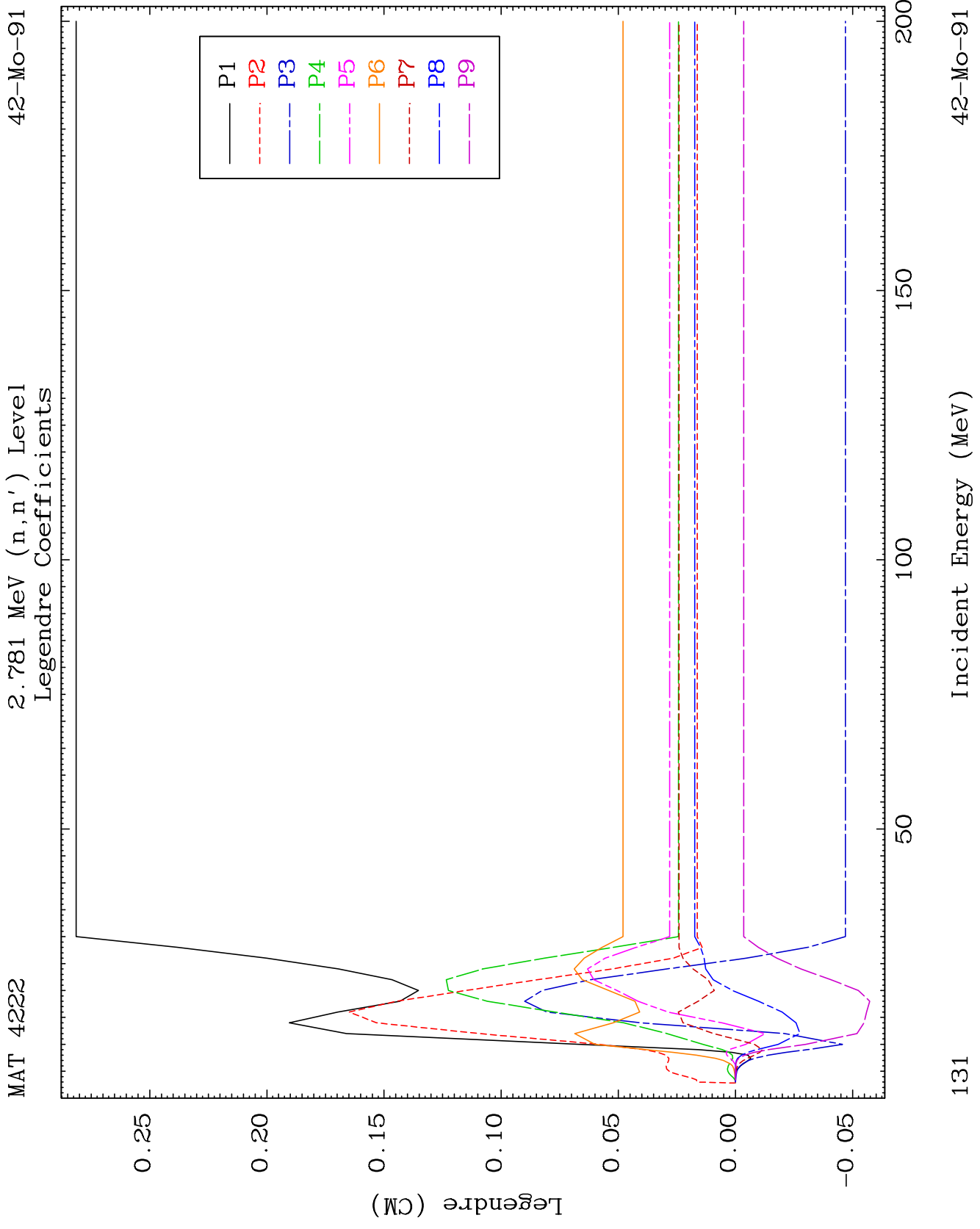
42-Mo-91

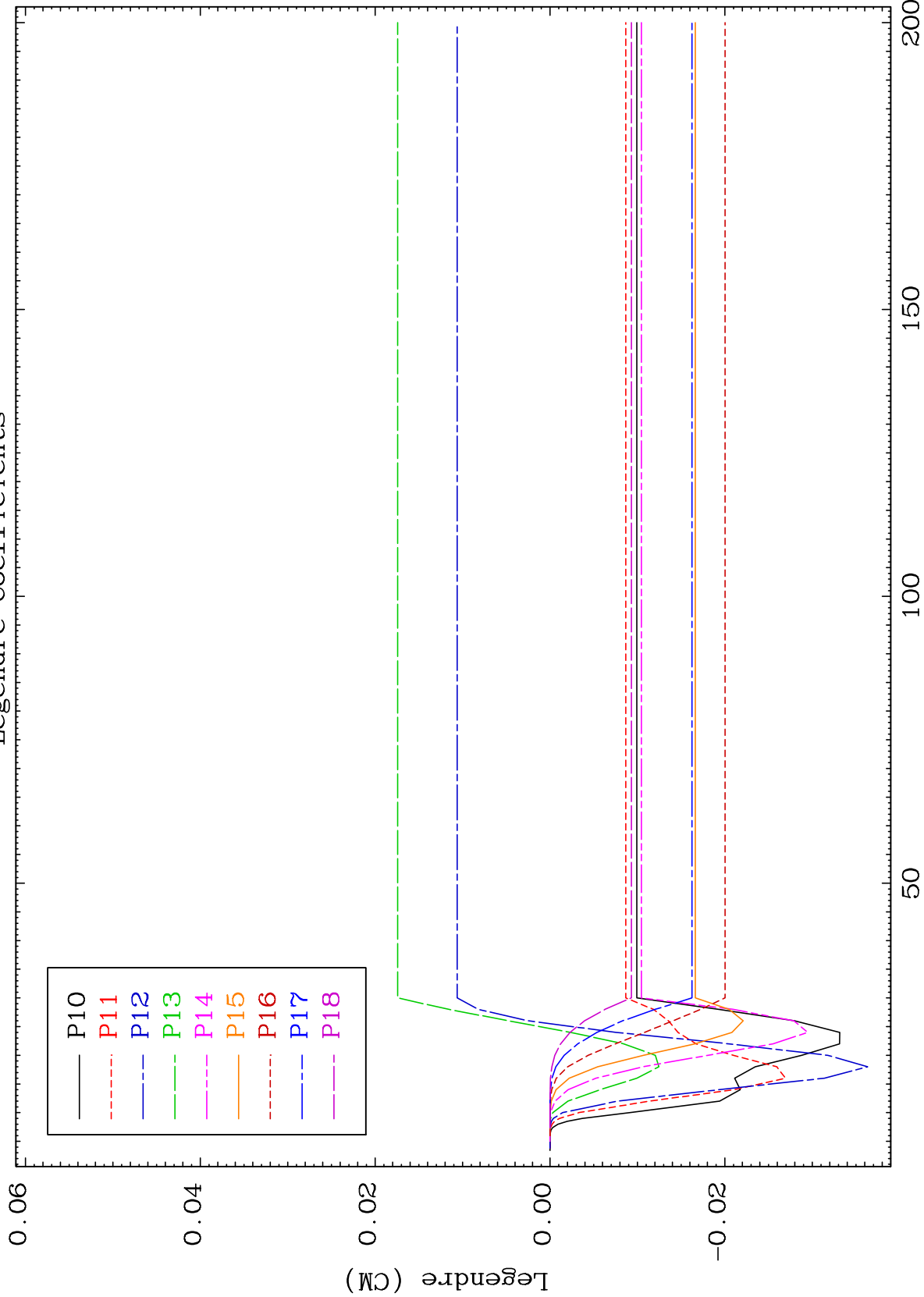


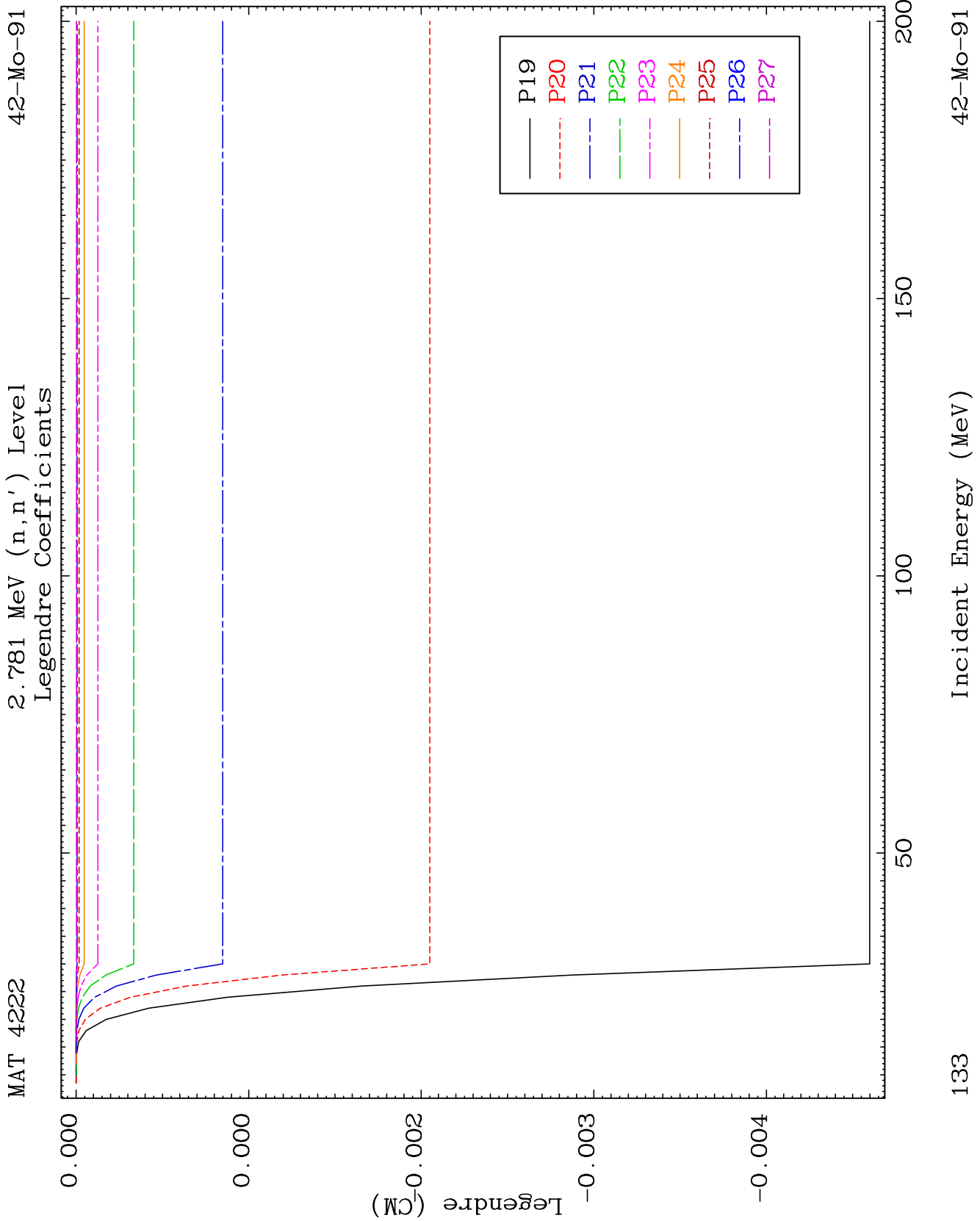
129

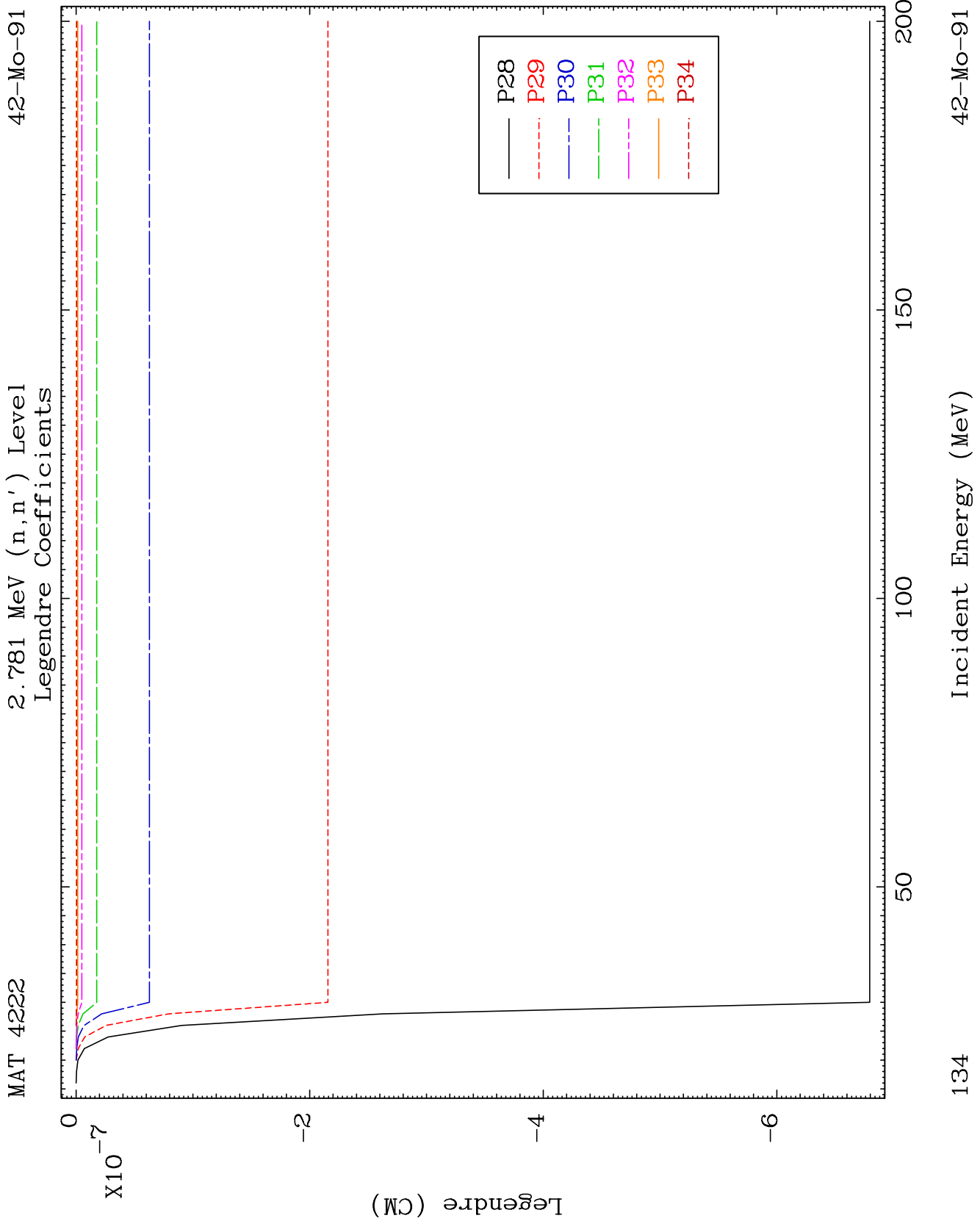
Incident Energy (MeV)

42-Mo-91





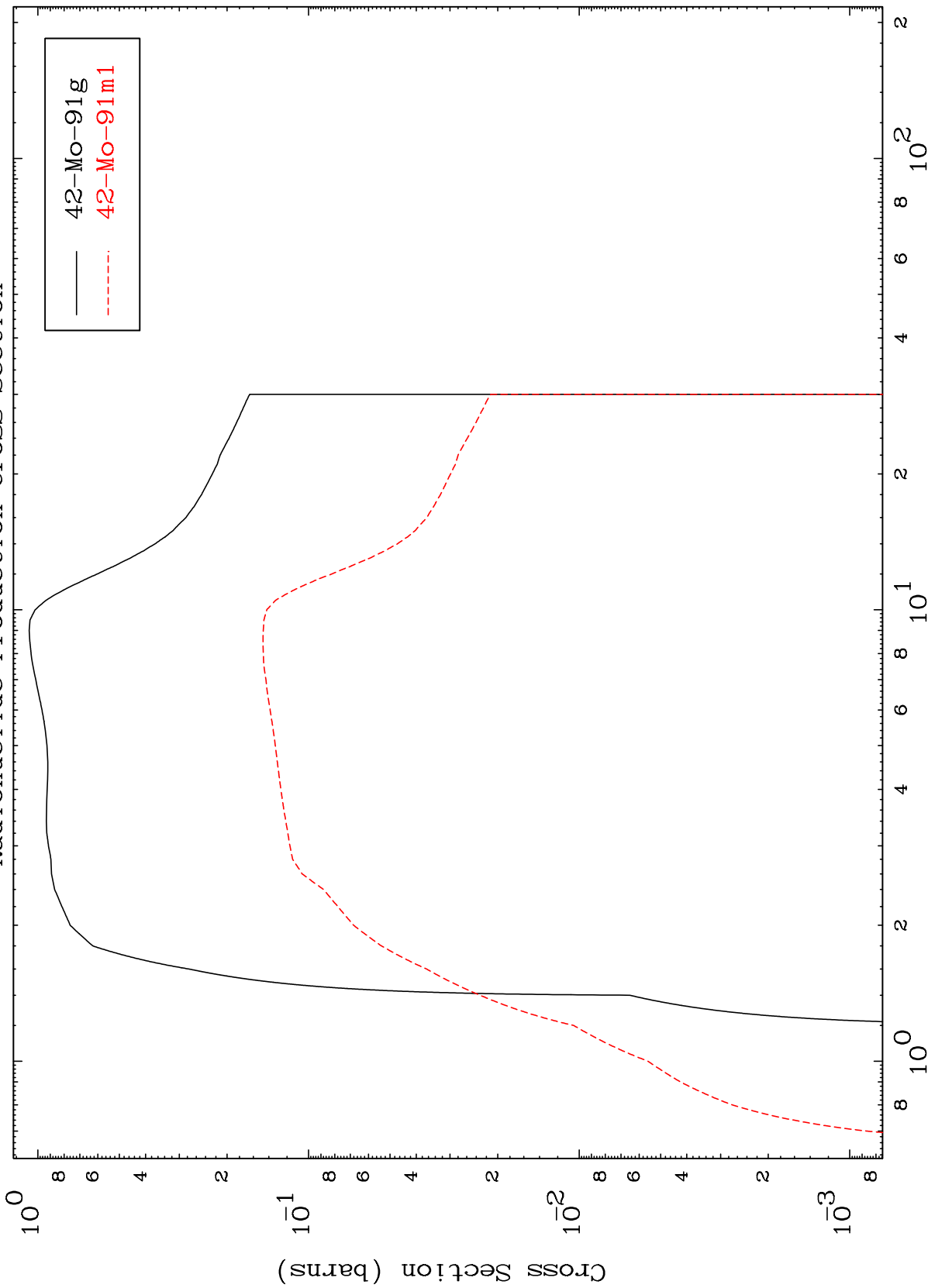




MAT 4222

42-Mo-91

Inelastic
Radionuclide Production Cross Section

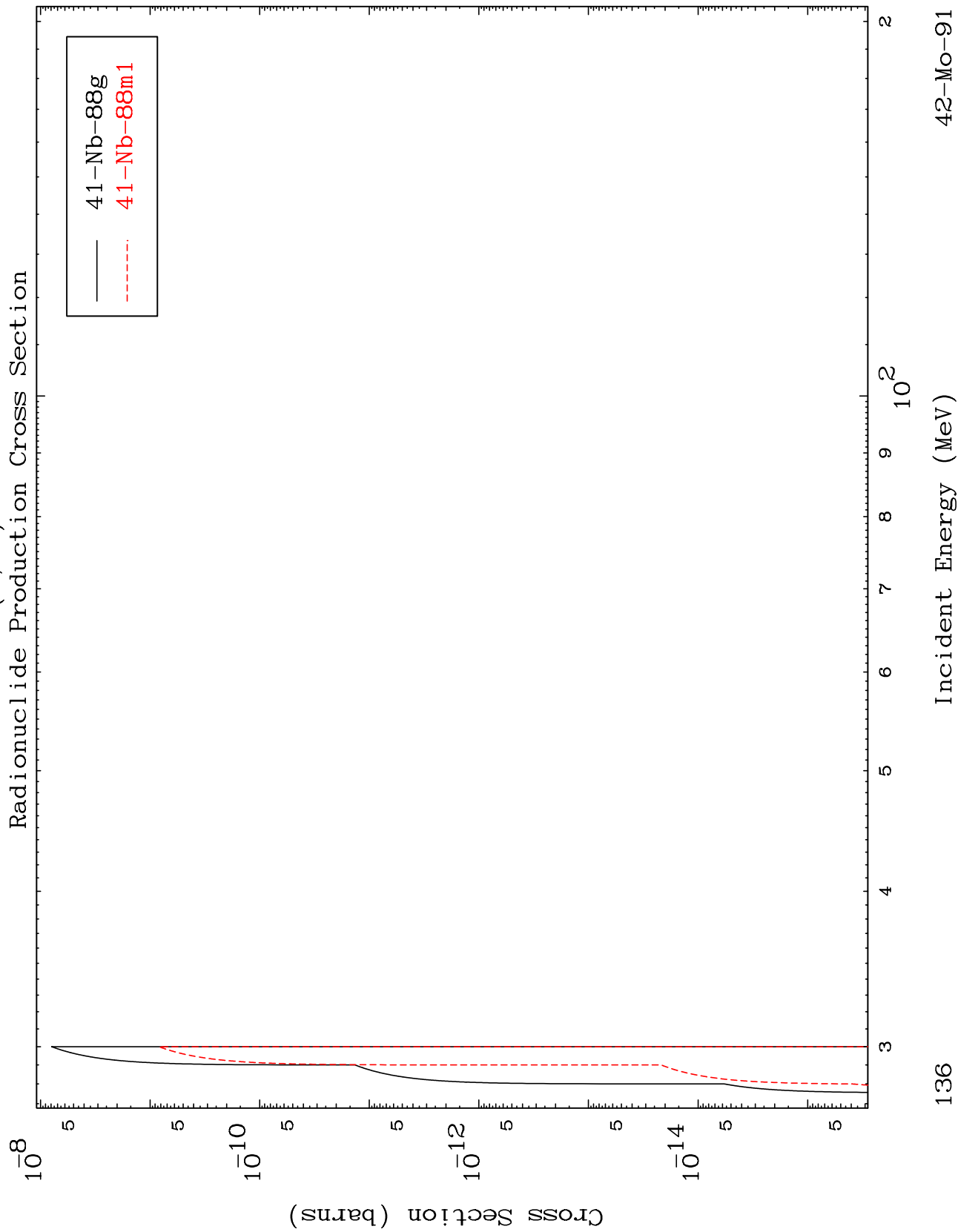


42-Mo-91 g
42-Mo-91 m1

135

Incident Energy (MeV)

42-Mo-91

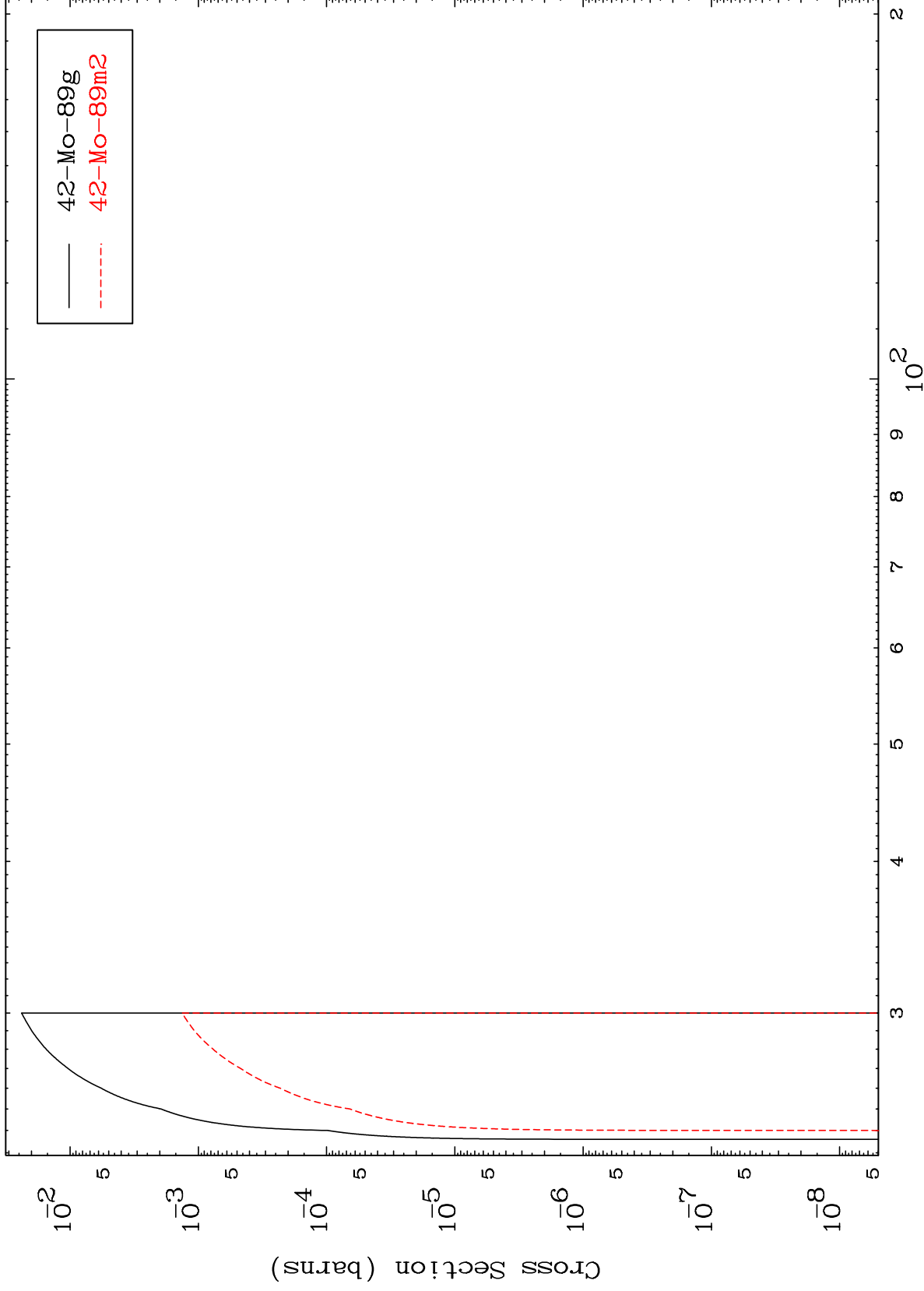


MAT 4222

(n,3n)

42-Mo-91

Radionuclide Production Cross Section

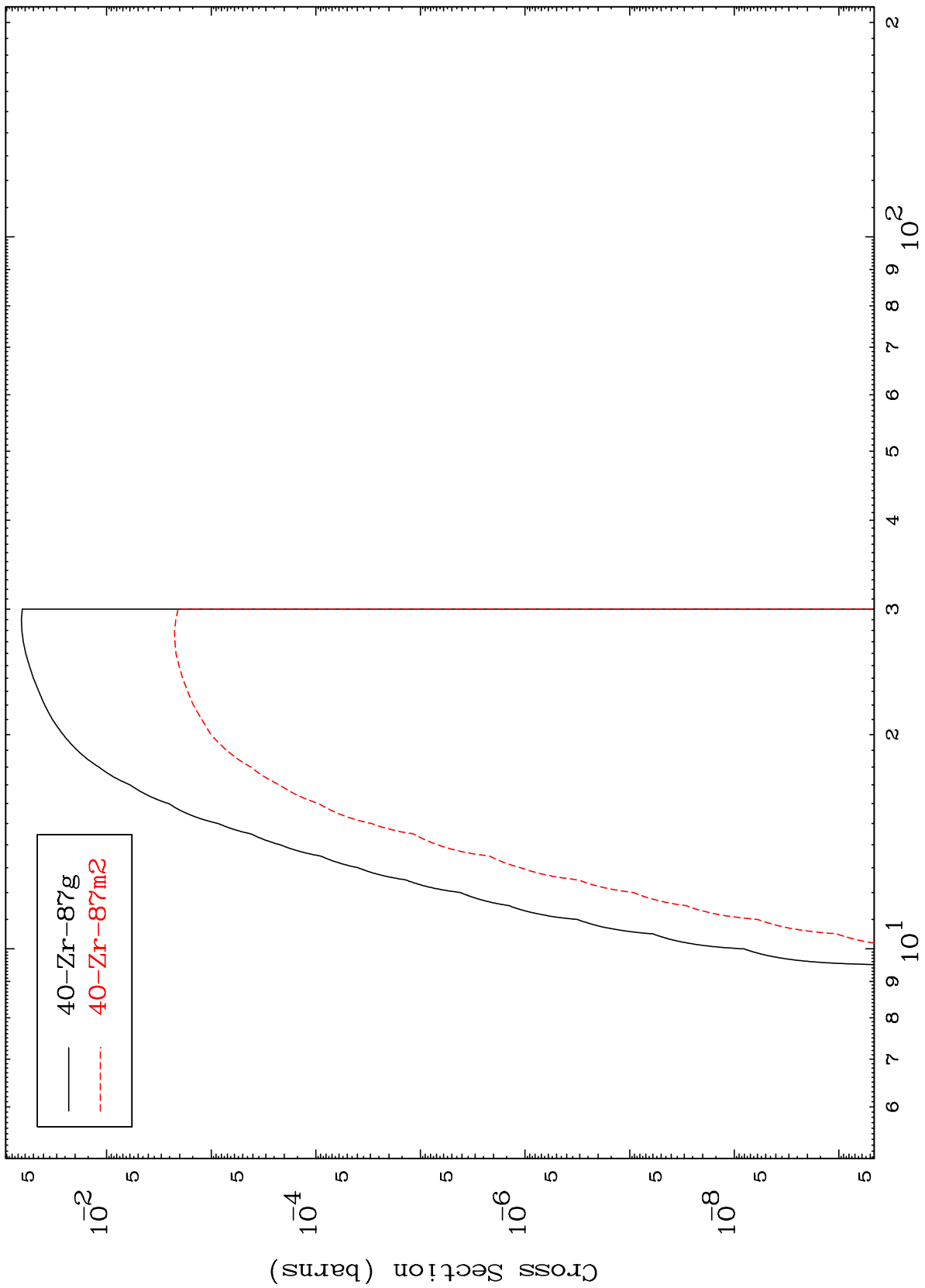


137

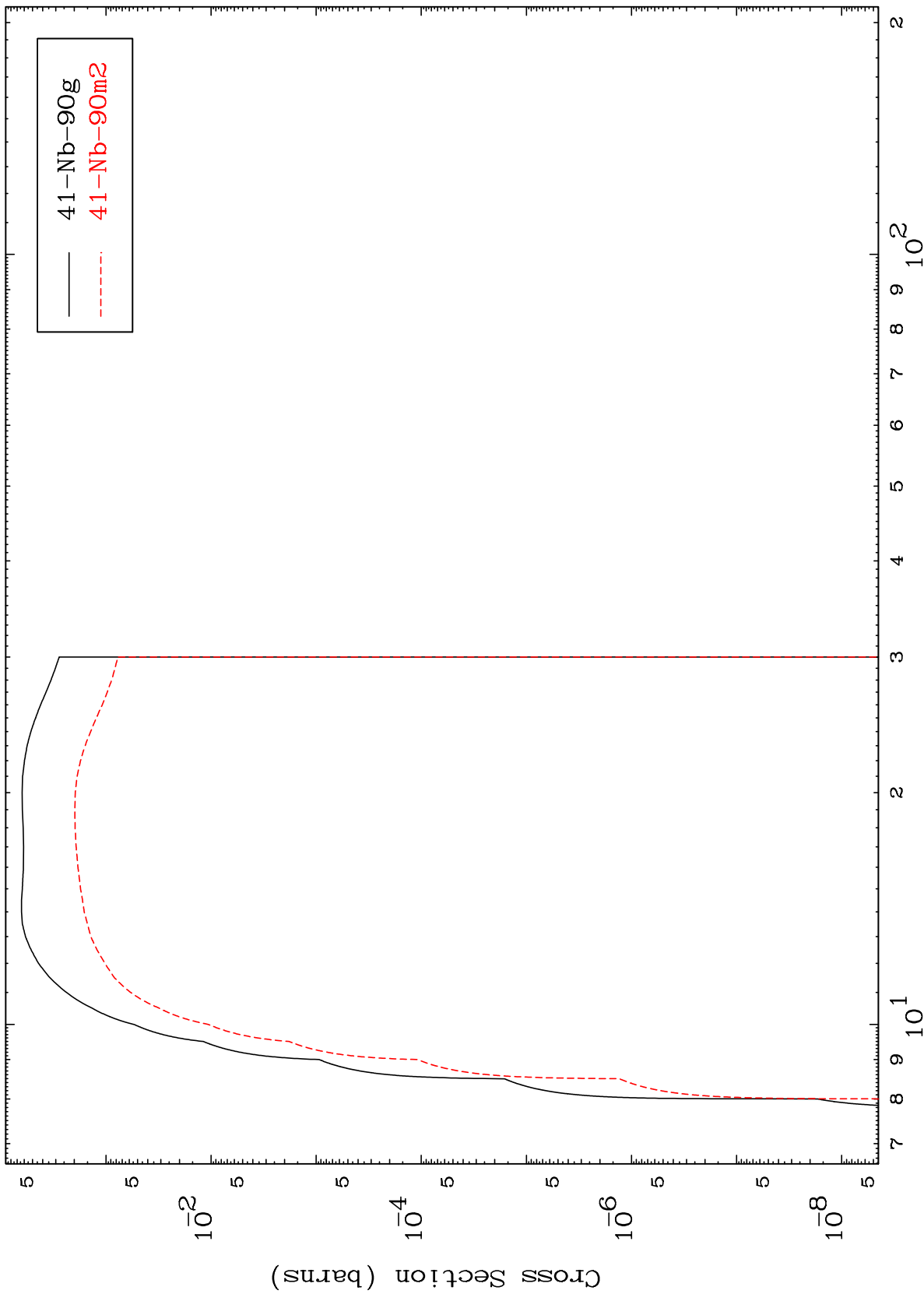
Incident Energy (MeV)

42-Mo-91

Radionuclide Production Cross Section



Radionuclide Production Cross Section



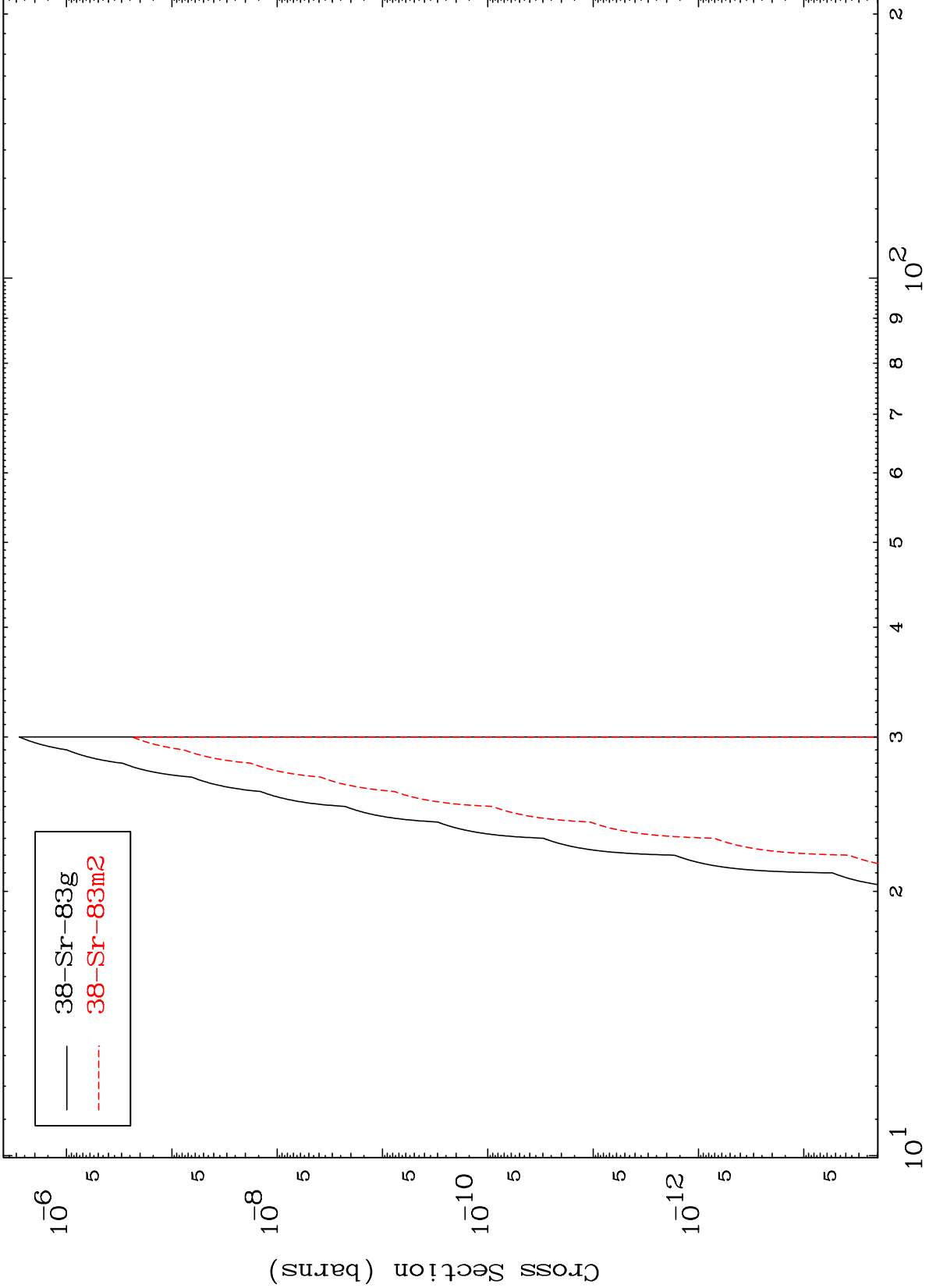
41-Nb-90g
41-Nb-90m2

MAT 4222

(n,n') 2α

42-Mo-91

Radionuclide Production Cross Section



— 38-Sr-83g
- - - 38-Sr-83m2

140

Incident Energy (MeV)

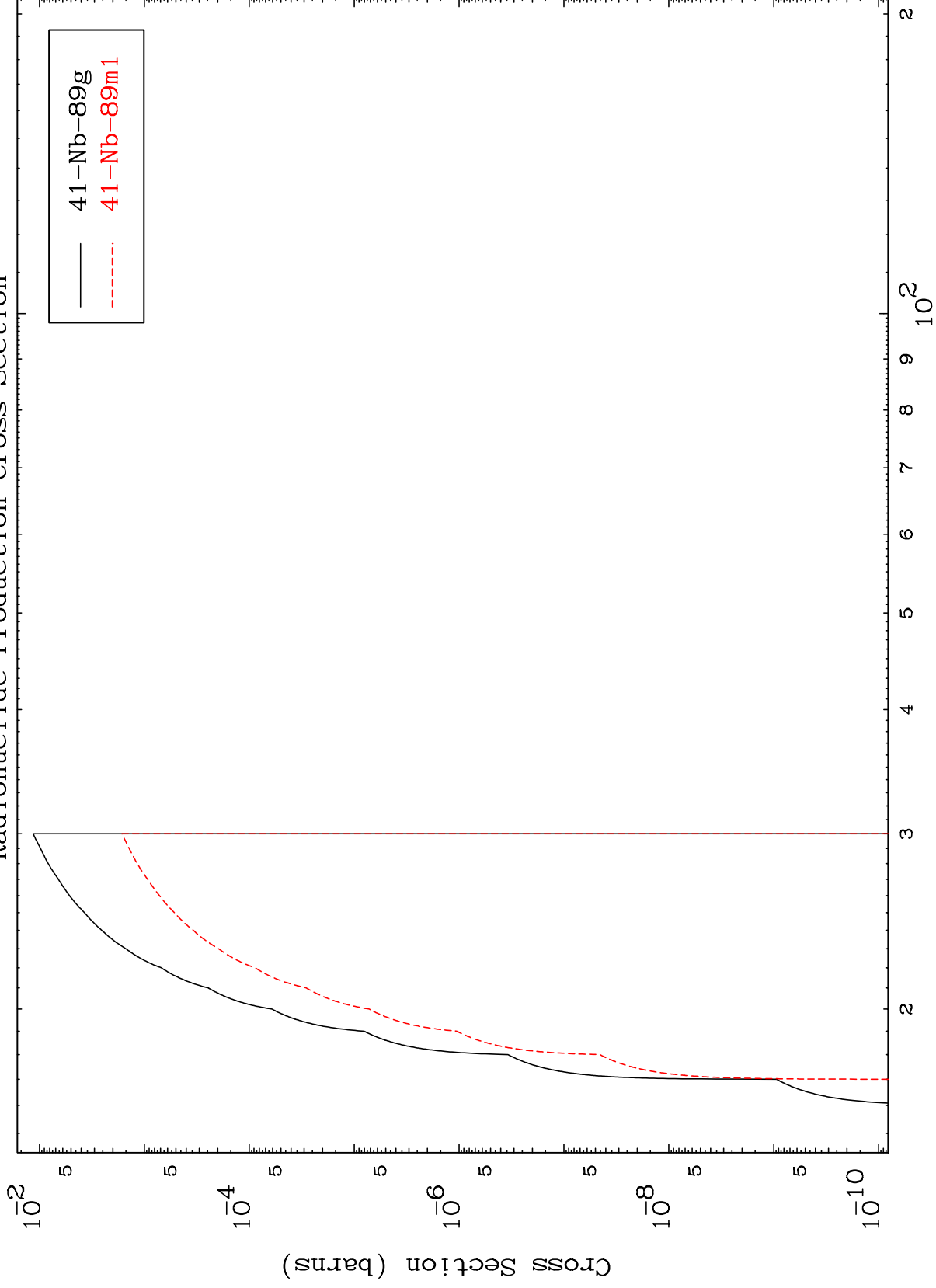
42-Mo-91

MAT 4222

(n,n') d

42-Mo-91

Radionuclide Production Cross Section

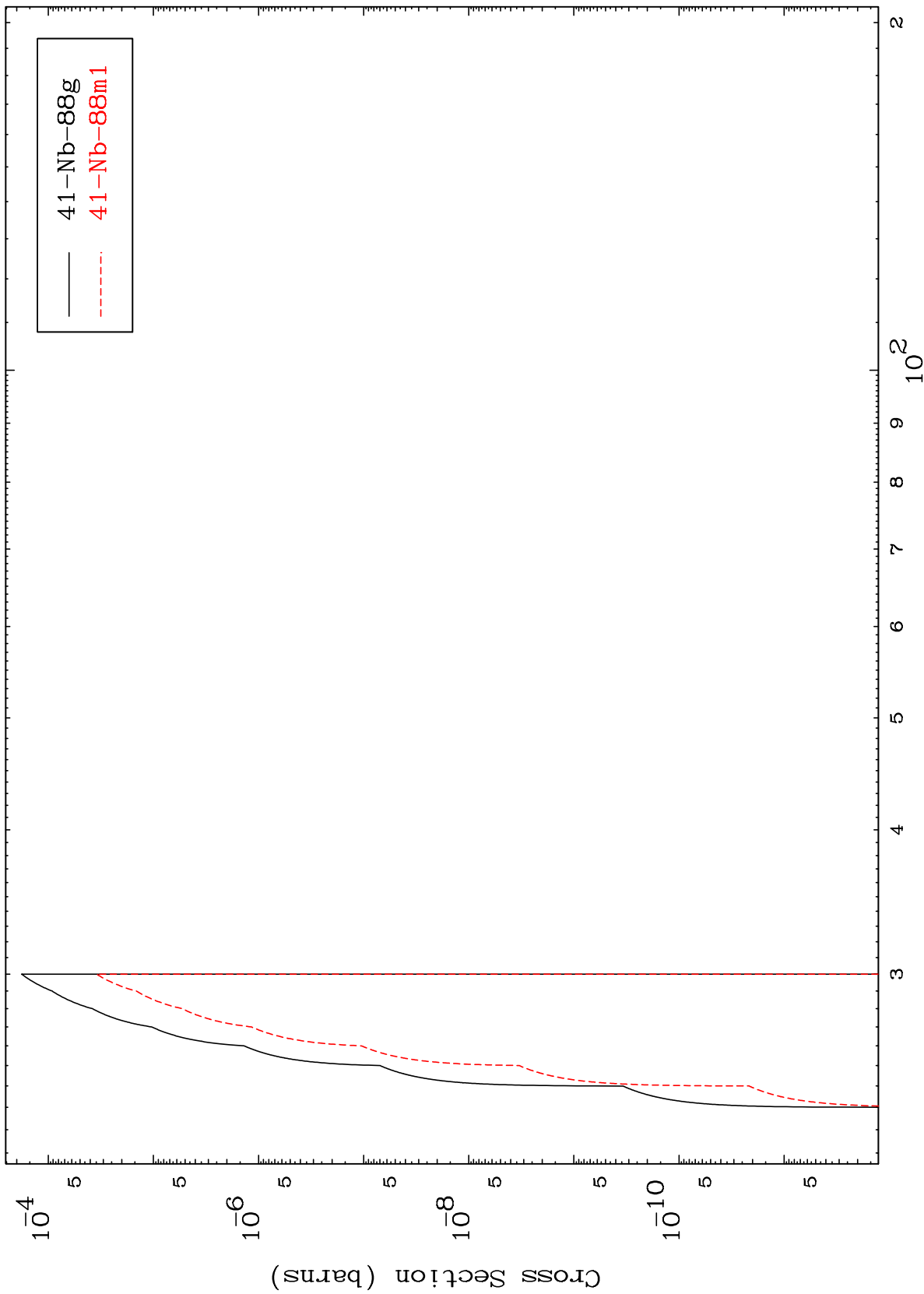


141

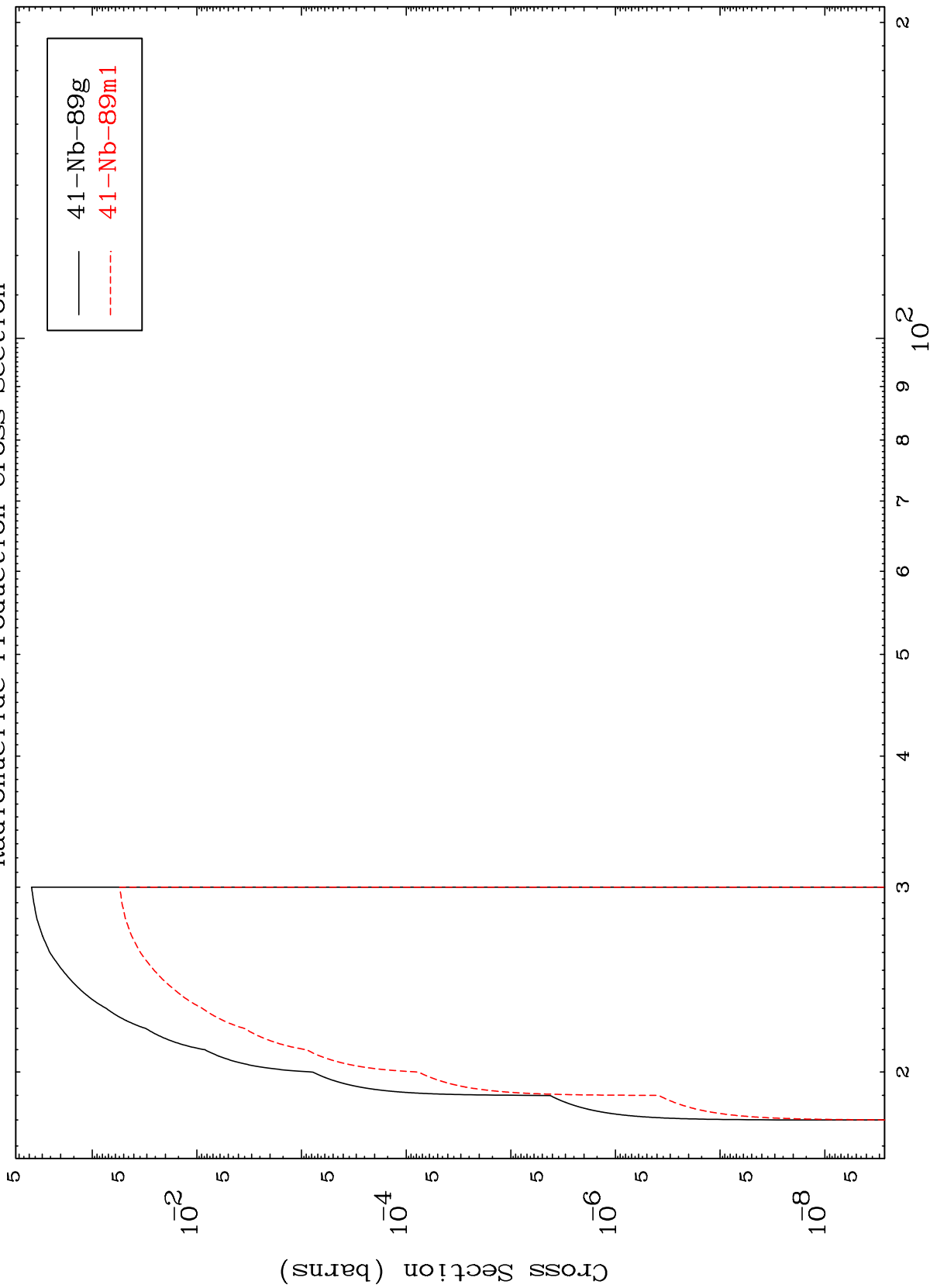
Incident Energy (MeV)

42-Mo-91

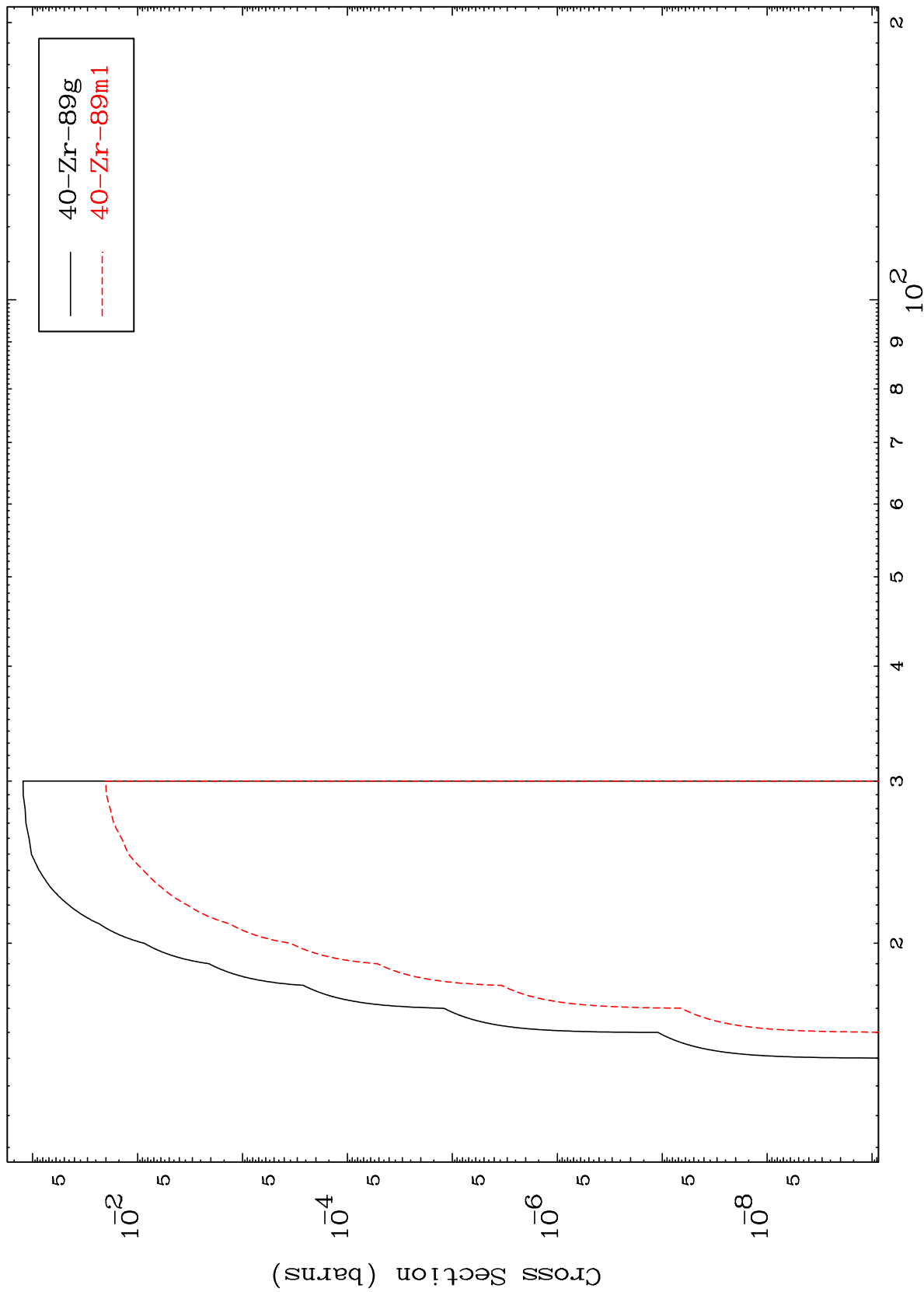
Radionuclide Production Cross Section



Radionuclide Production Cross Section

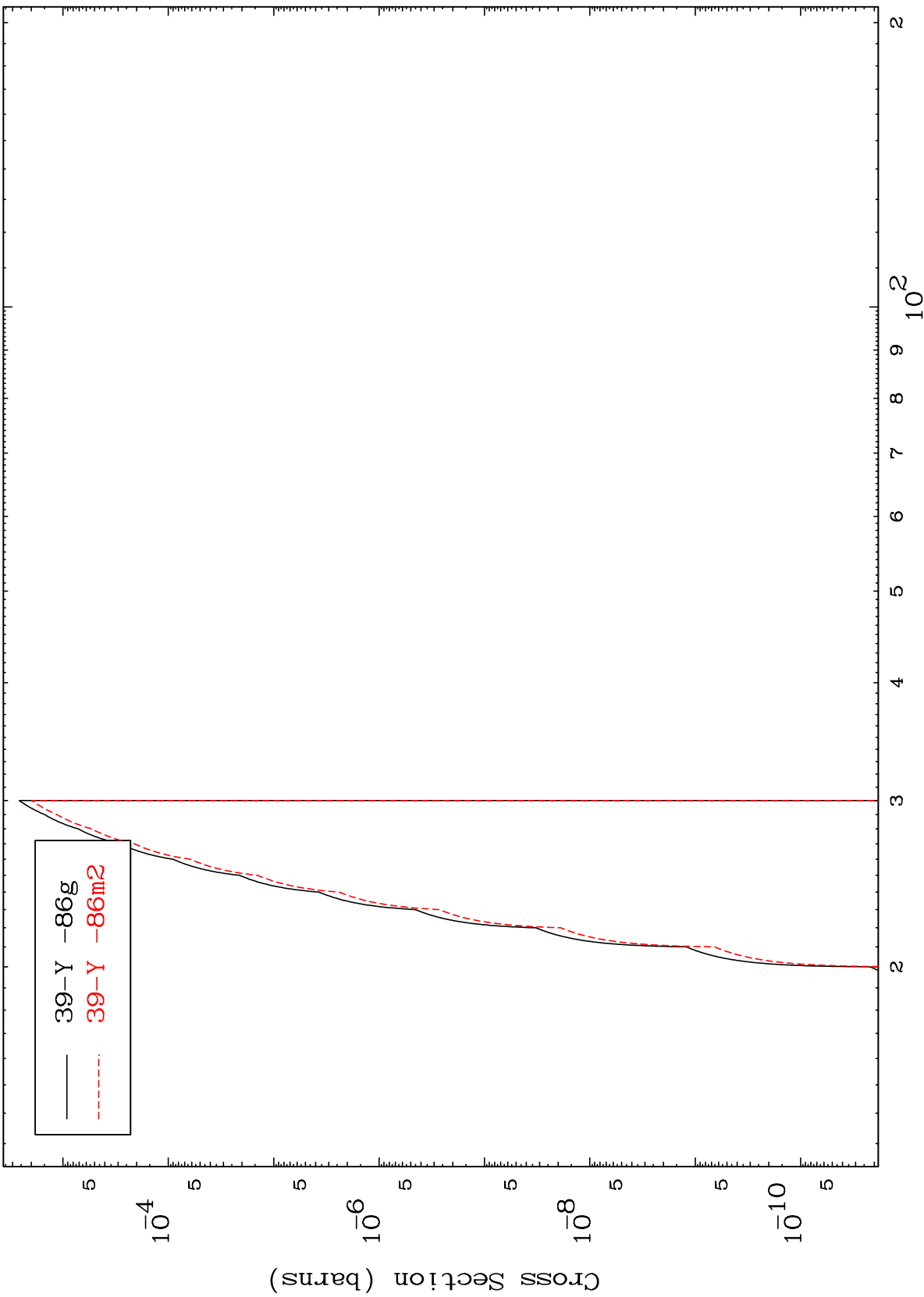


Radionuclide Production Cross Section



40-Zr-89g
40-Zr-89m1

Radionuclide Production Cross Section



MAT 4222

42-Mo-91

Radionuclide Production Cross Section

(n,p)

10⁴

5

10³

5

10²

5

10¹

5

10⁰

5

10⁻¹

5

Cross Section (barns)



10⁻¹⁰

10⁻⁸

10⁻⁶

10⁻⁴

10⁻²

10⁰

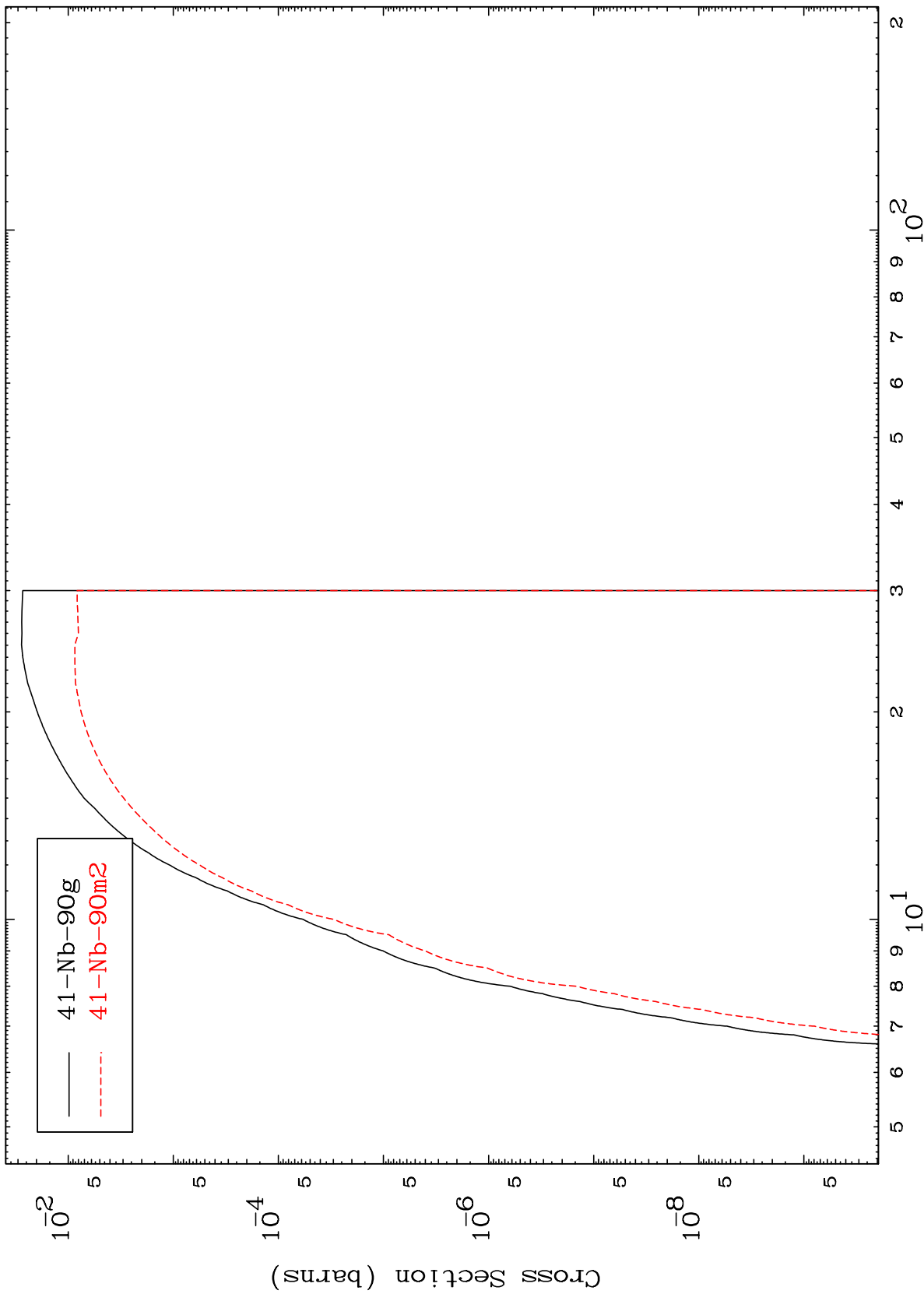
10²

146

Incident Energy (MeV)

42-Mo-91

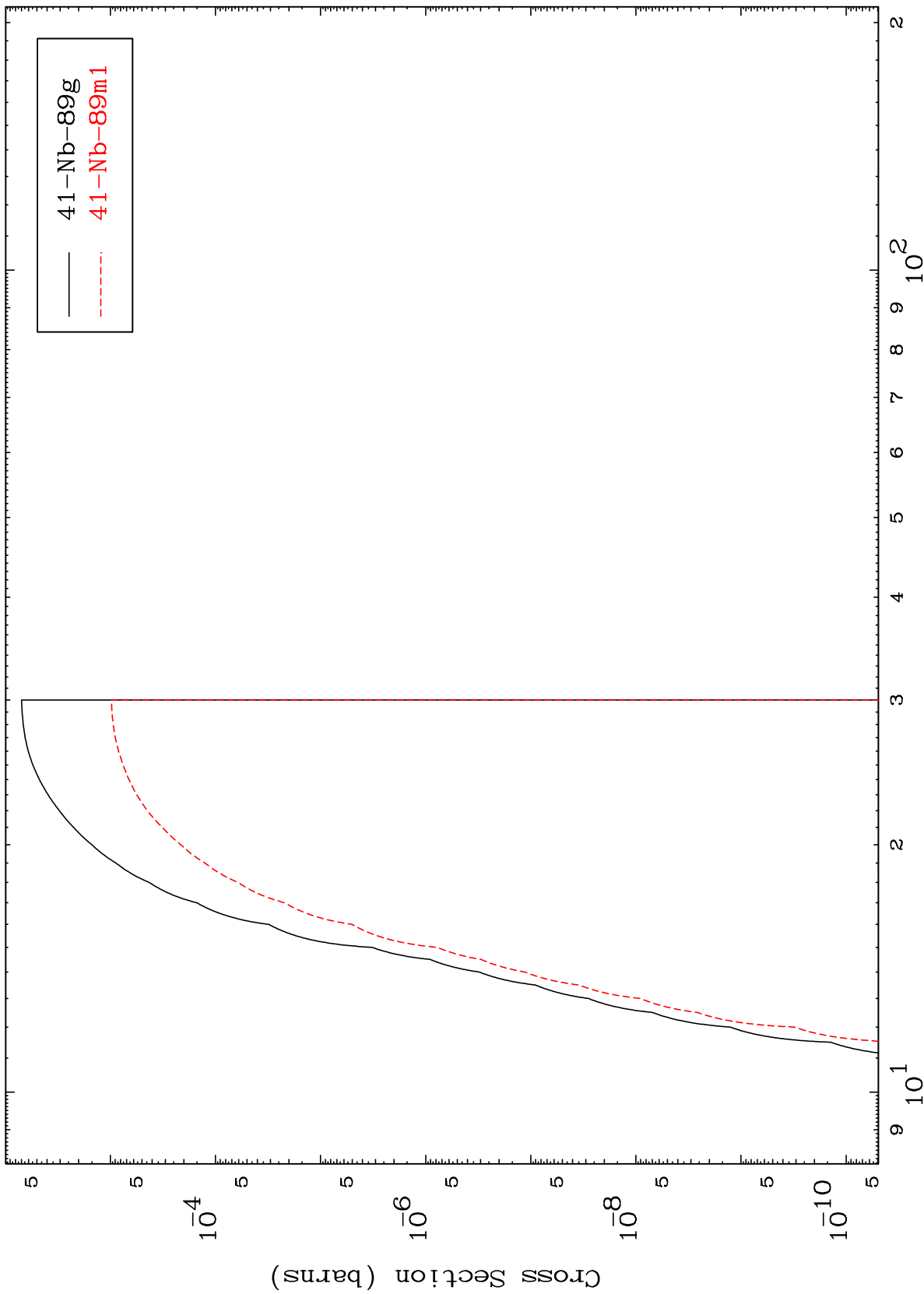
(n,d)
Radionuclide Production Cross Section



MAT 4222

42-Mo-91

(n,t)
Radionuclide Production Cross Section



42-Mo-91

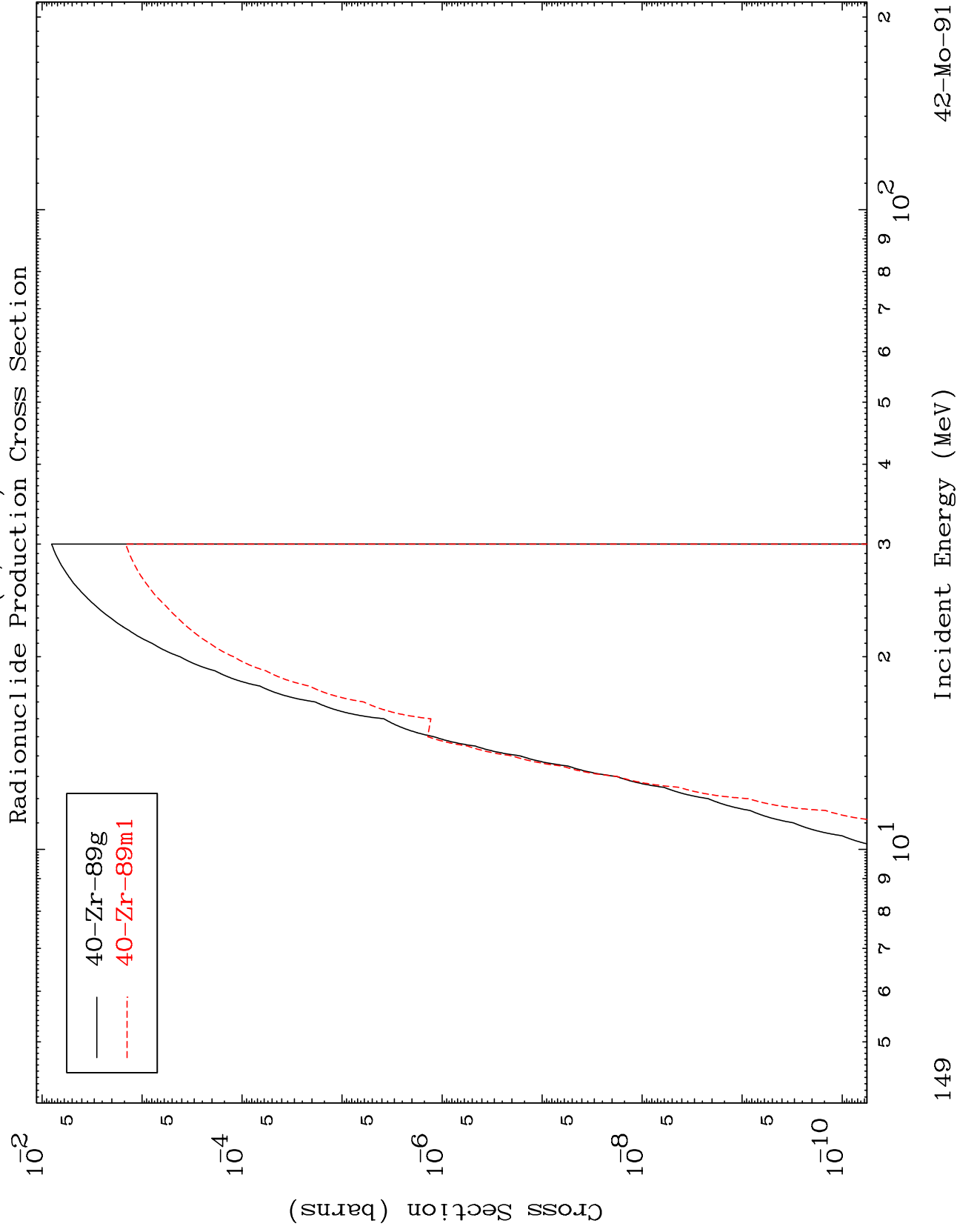
Incident Energy (MeV)

148

MAT 4222

(n,He-3)

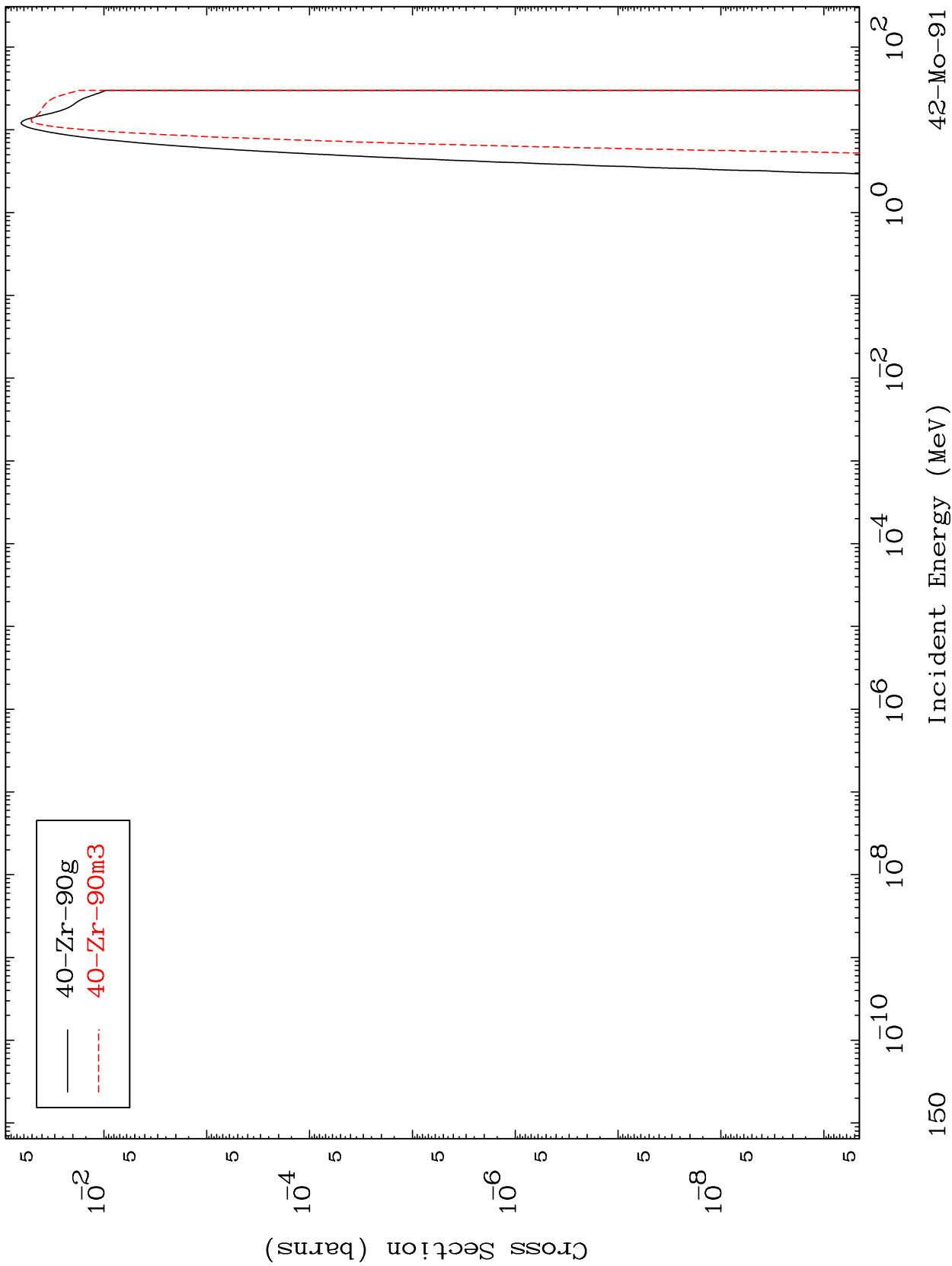
42-Mo-91



MAT 4222

42-Mo-91

(n,2p)
Radionuclide Production Cross Section

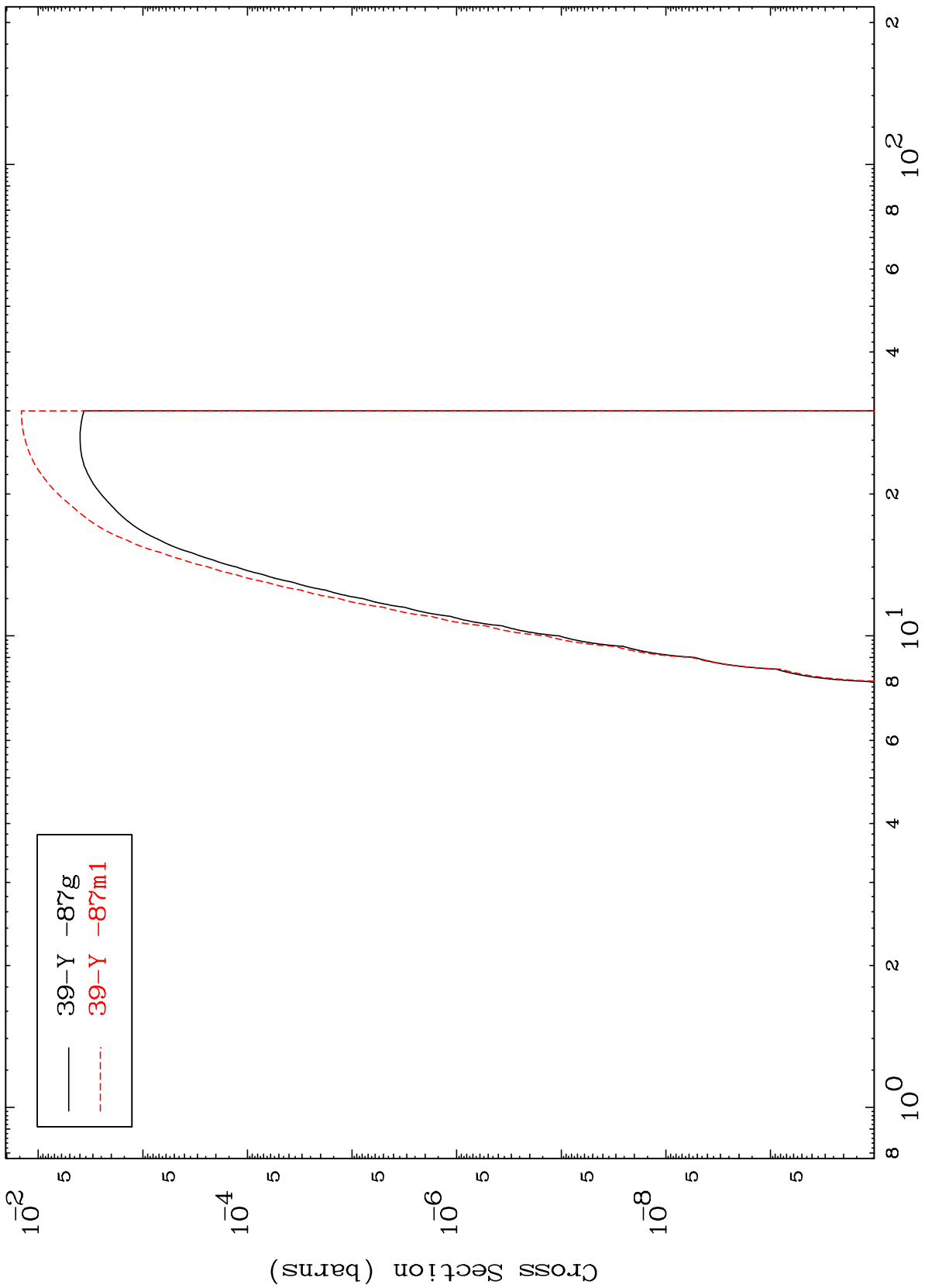


MAT 4222

(n,p) α

42-Mo-91

Radionuclide Production Cross Section



— 39-Y -87g
- - - 39-Y -87m1

151

Incident Energy (MeV)

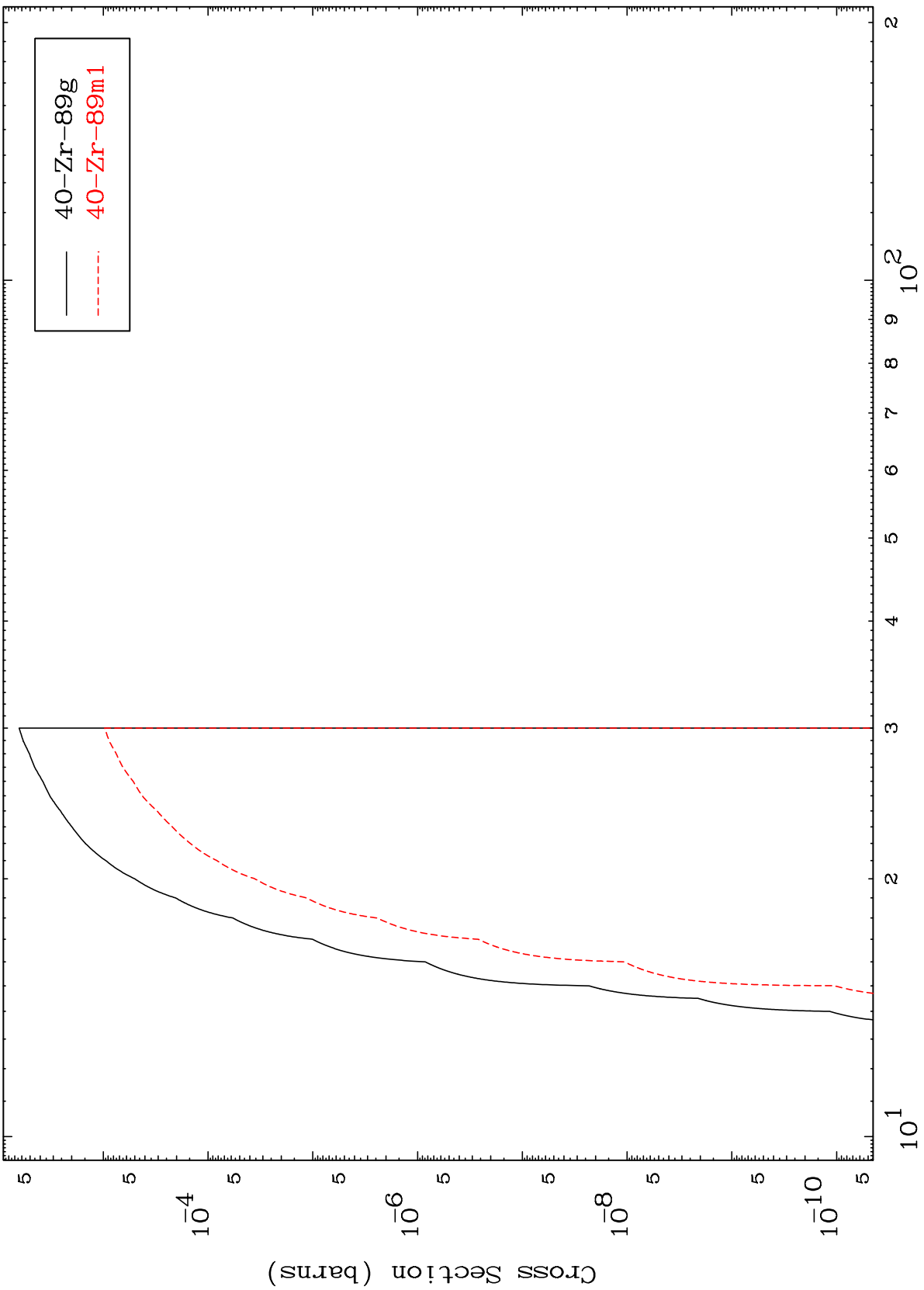
42-Mo-91

MAT 4222

(n,p) d

42-Mo-91

Radionuclide Production Cross Section



152

Incident Energy (MeV)

42-Mo-91

Radionuclide Production Cross Section

