

Program EVALPLOT
(Version 2015-2)

by

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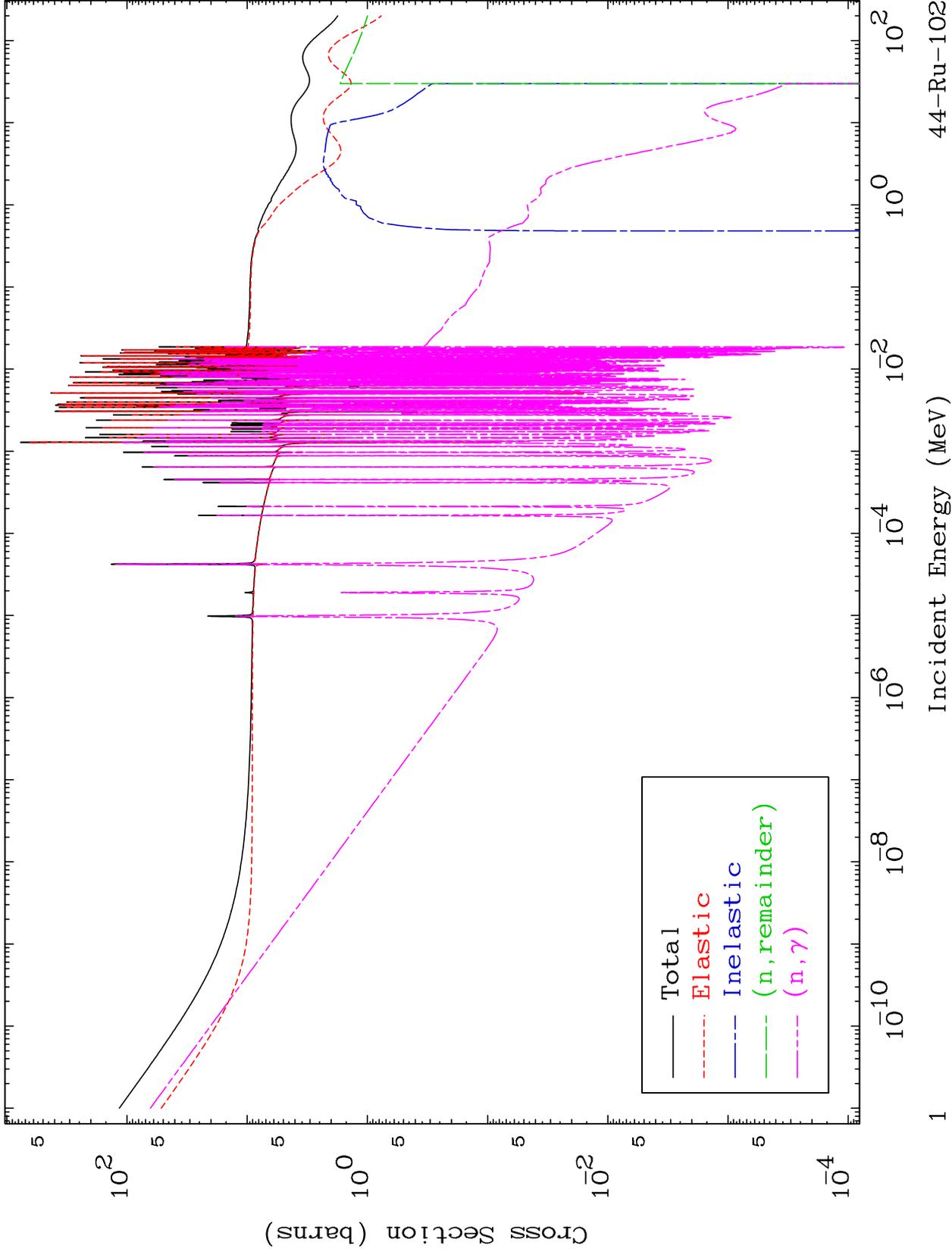
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4443

Major
293 Kelvin Cross Sections

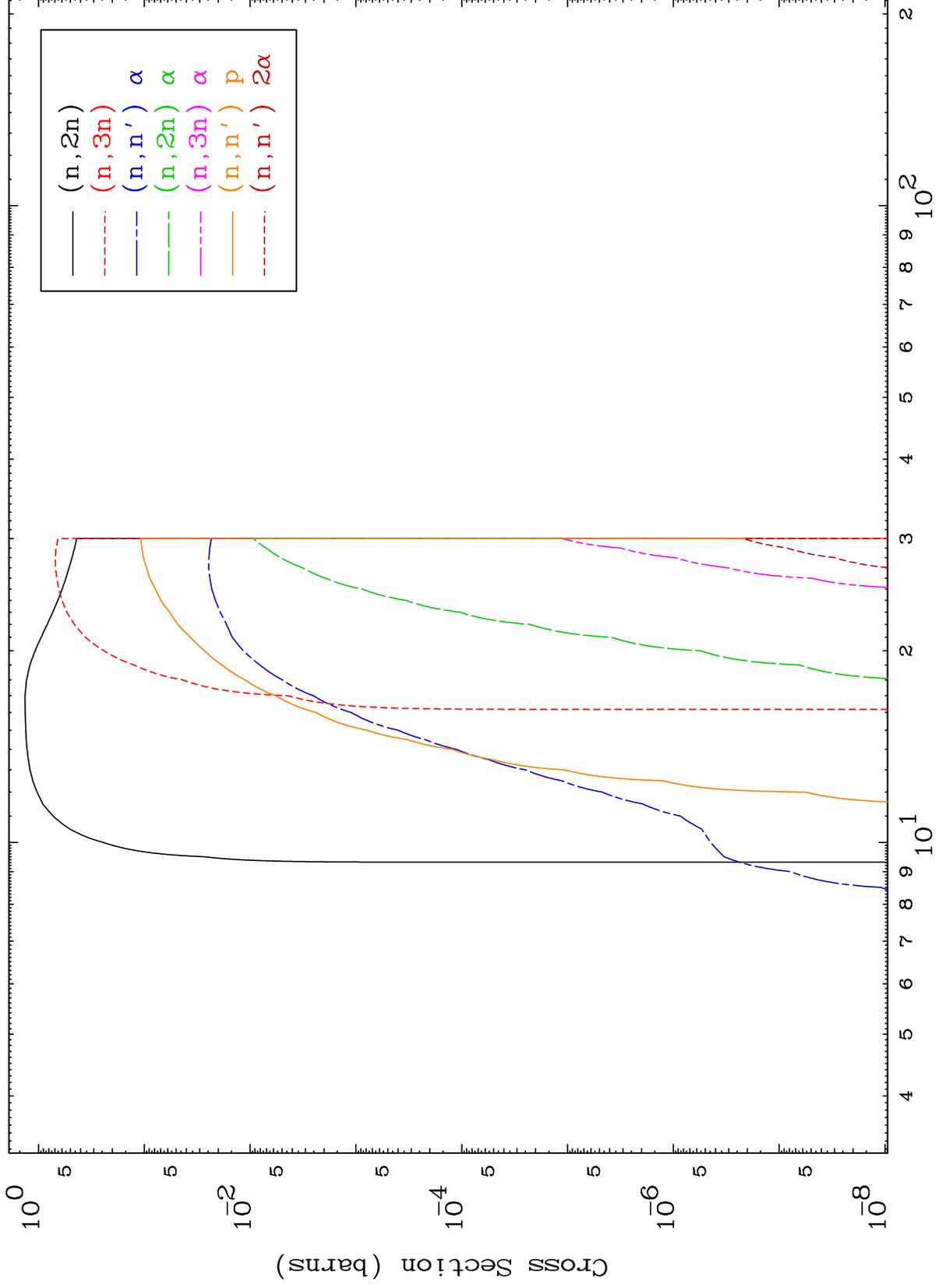
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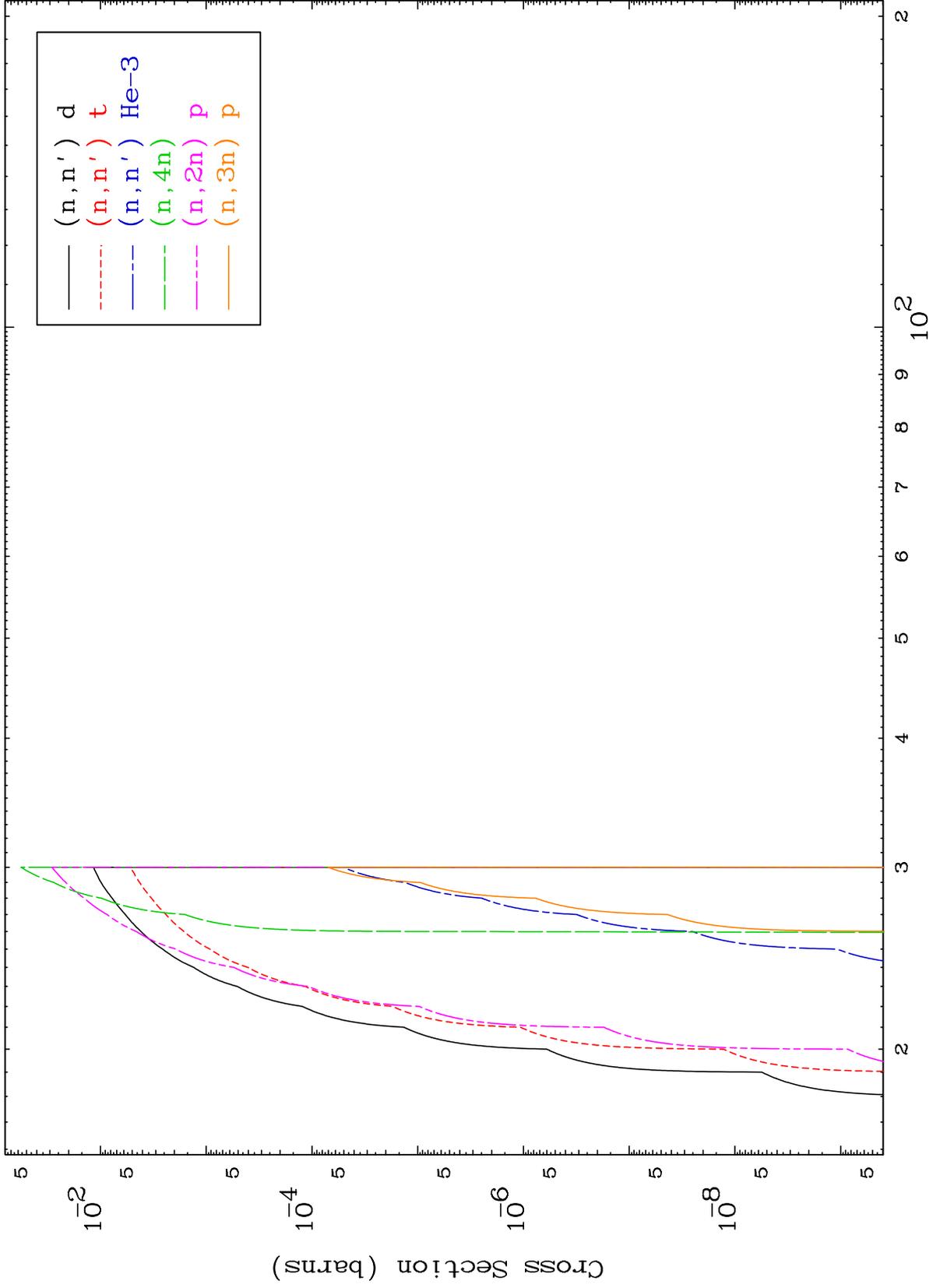


MAT 4443

Neutron Production
293 Kelvin Cross Sections

44-Ru-102

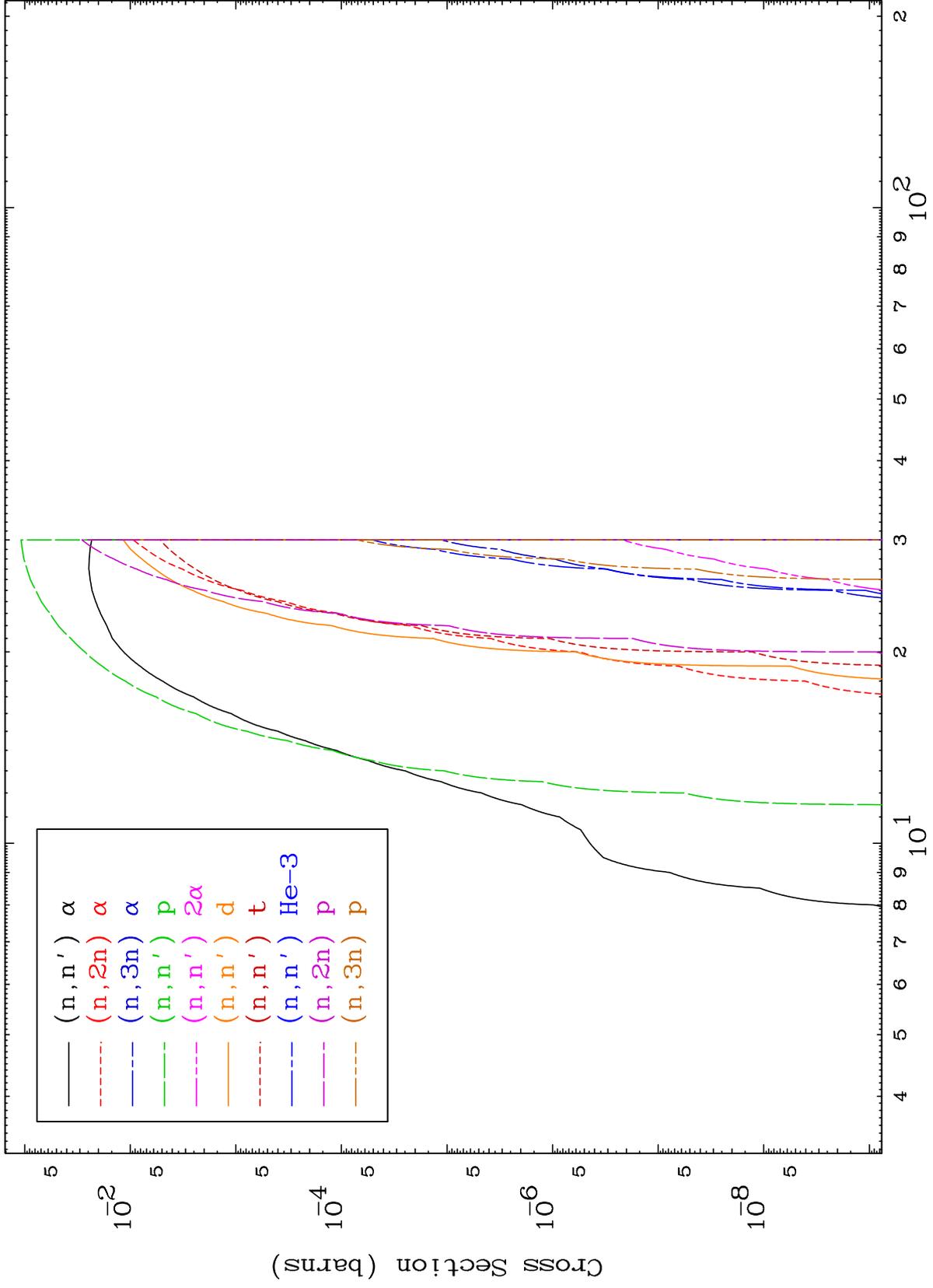




MAT 4443

Charged Particle
293 Kelvin Cross Sections

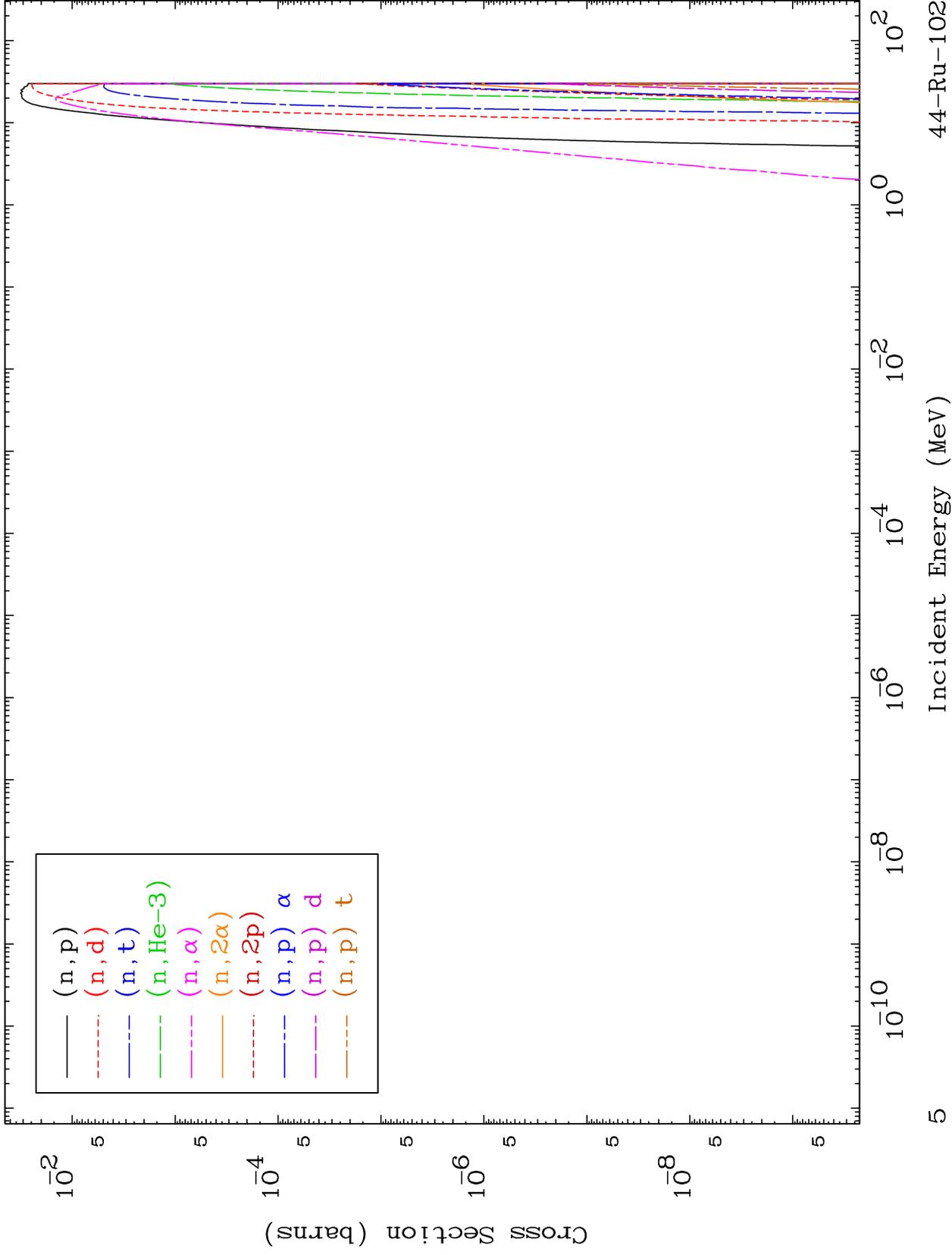
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MAT 4443

Charged Particle
293 Kelvin Cross Sections

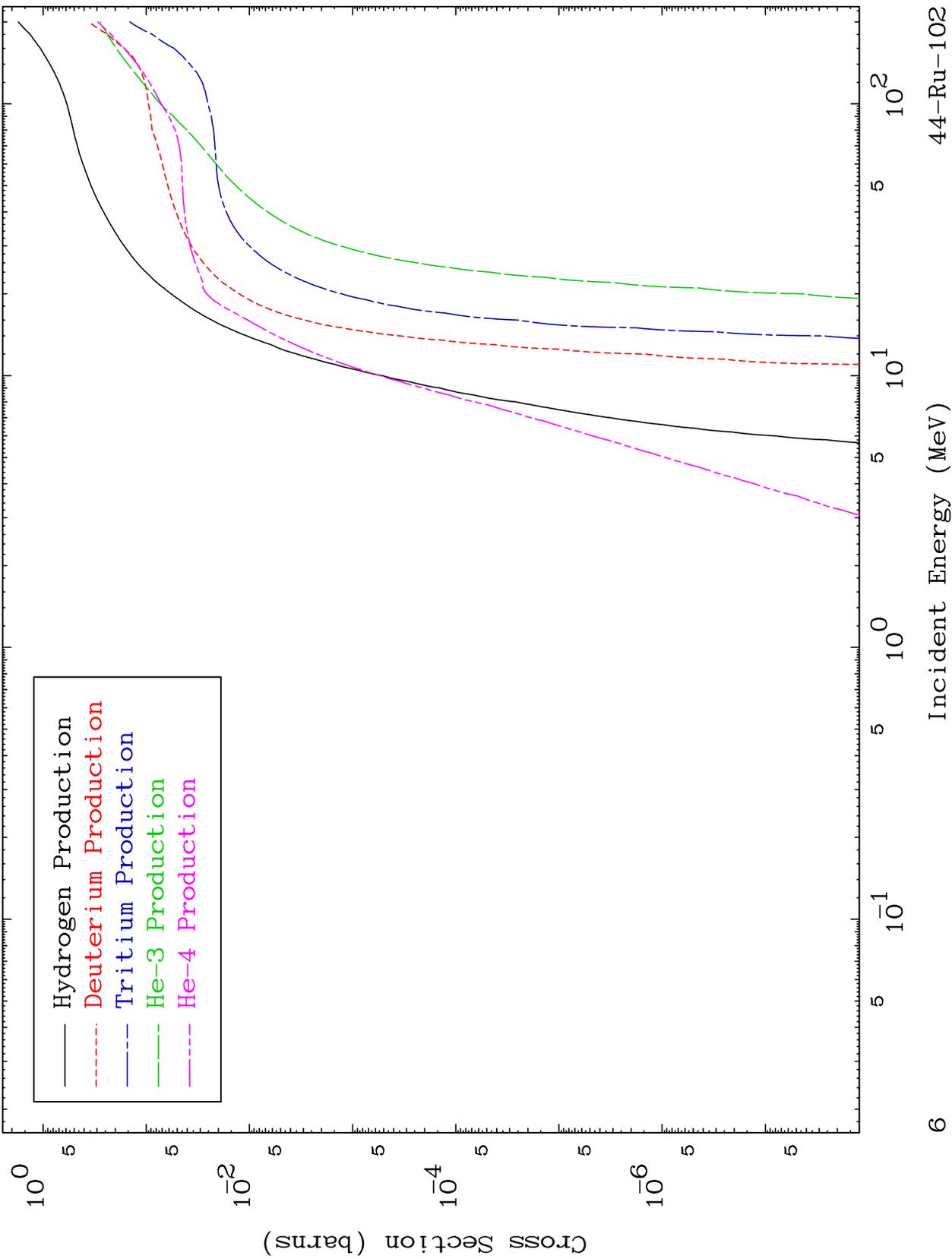
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MAT 4443

Particle Production
293 Kelvin Cross Sections

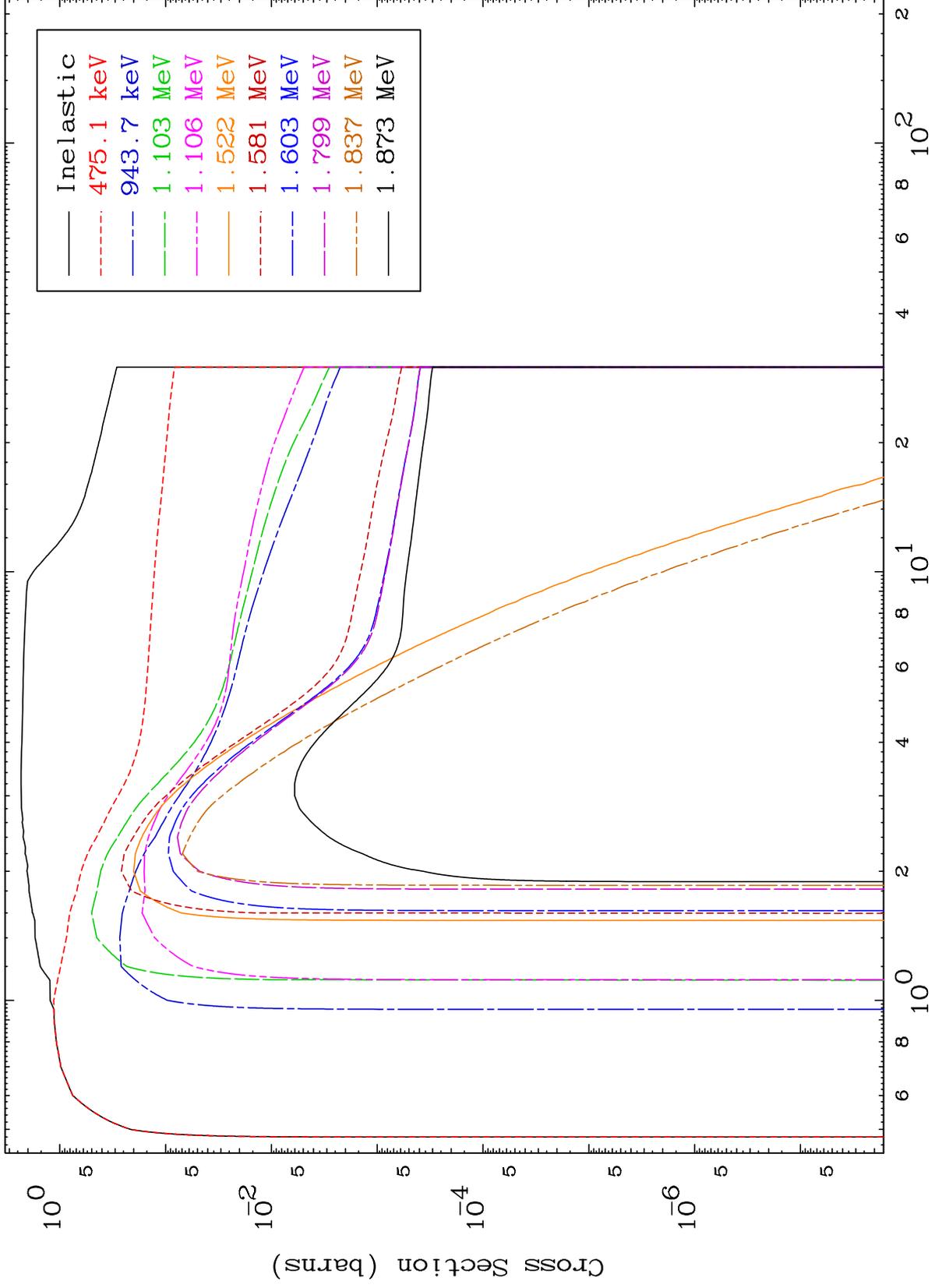
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MAT 4443

(n,n') Level
293 Kelvin Cross Sections

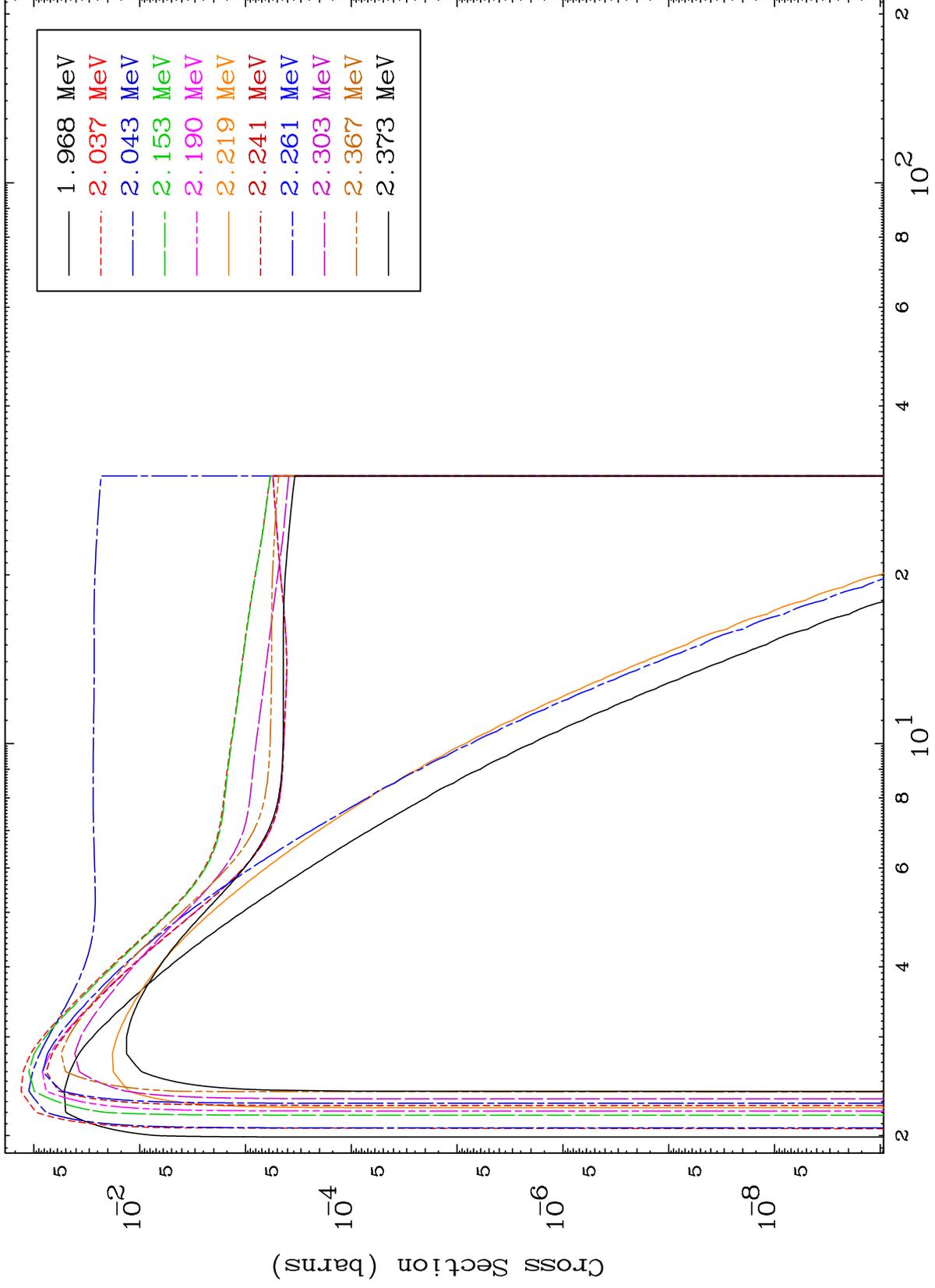
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MAT 4443

(n,n') Level
293 Kelvin Cross Sections

44-Ru-102



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Incident Energy (MeV)

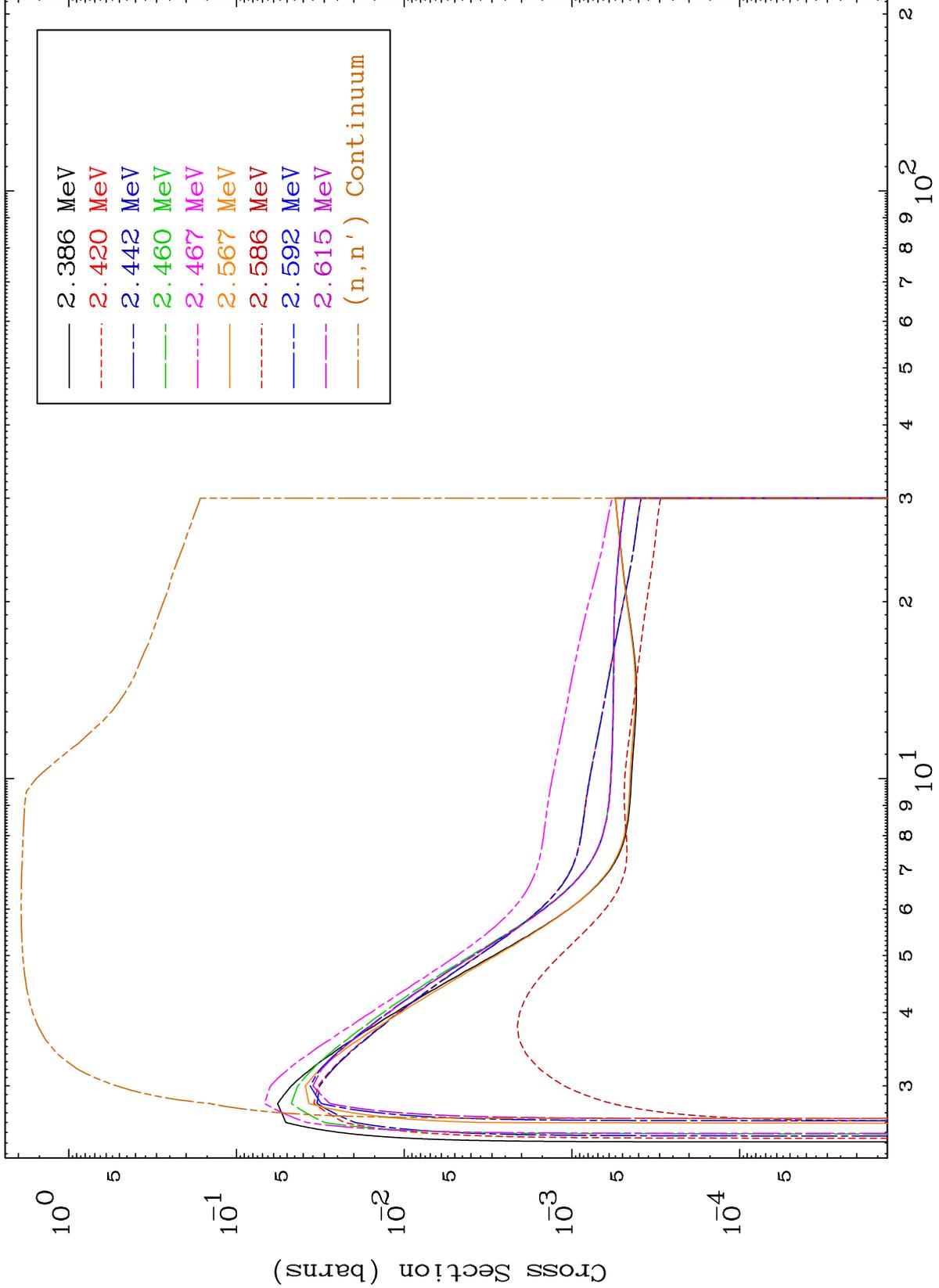
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MAT 4443

(n,n') Level

44-Ru-102

293 Kelvin Cross Sections



9

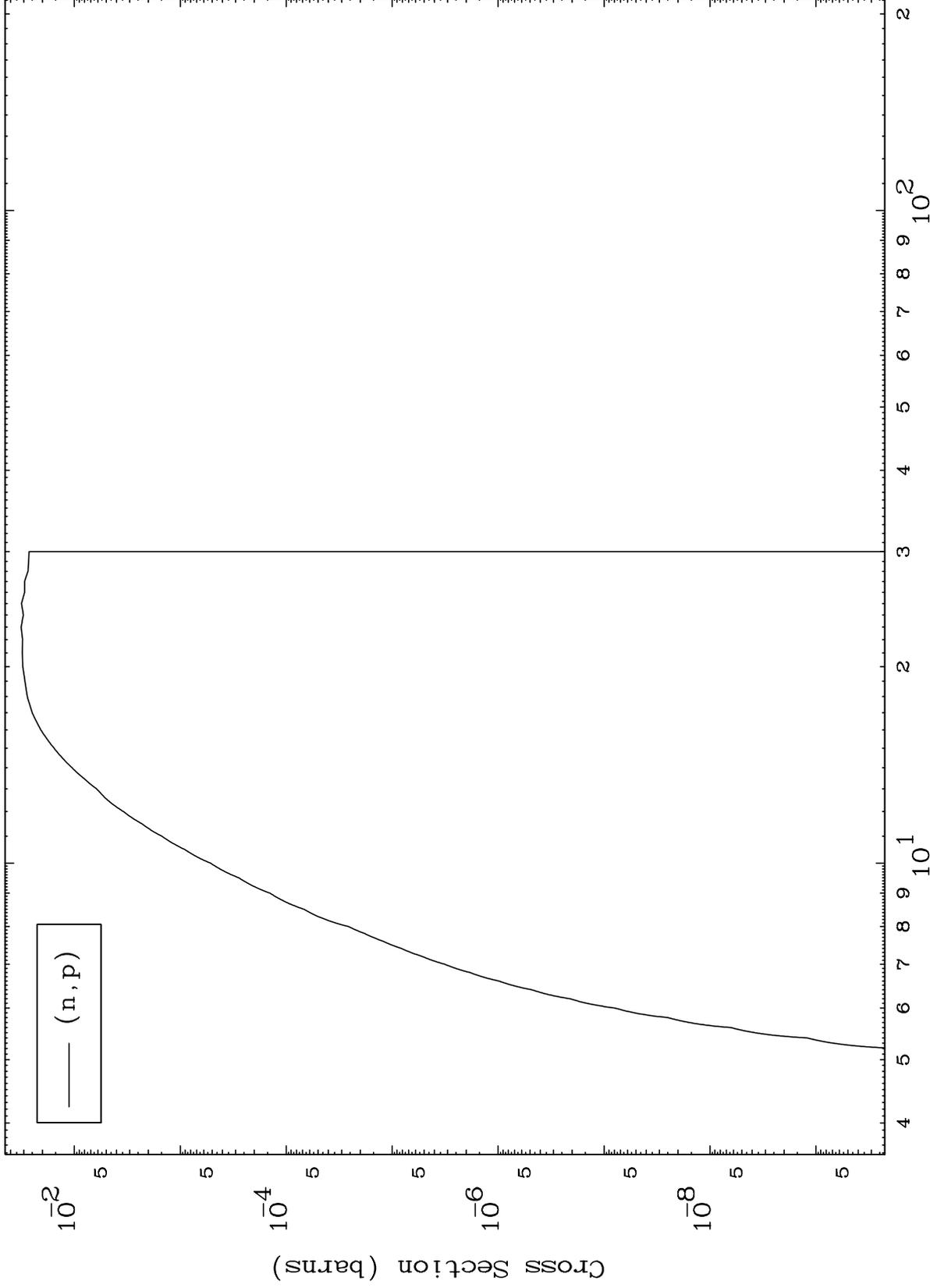
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44-Ru-102

MAT 4443

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-102



10

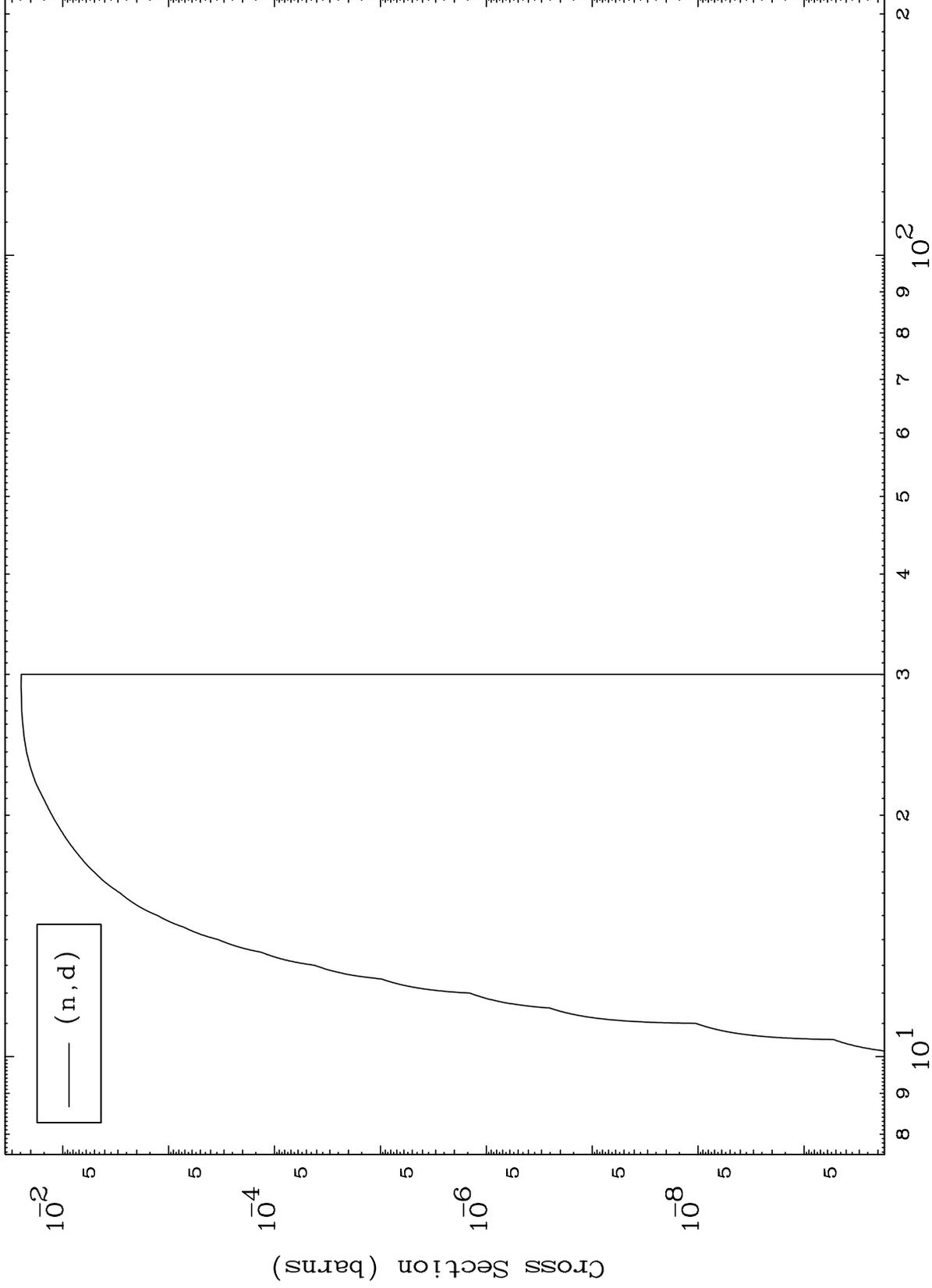
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MAT 4443

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-102



11

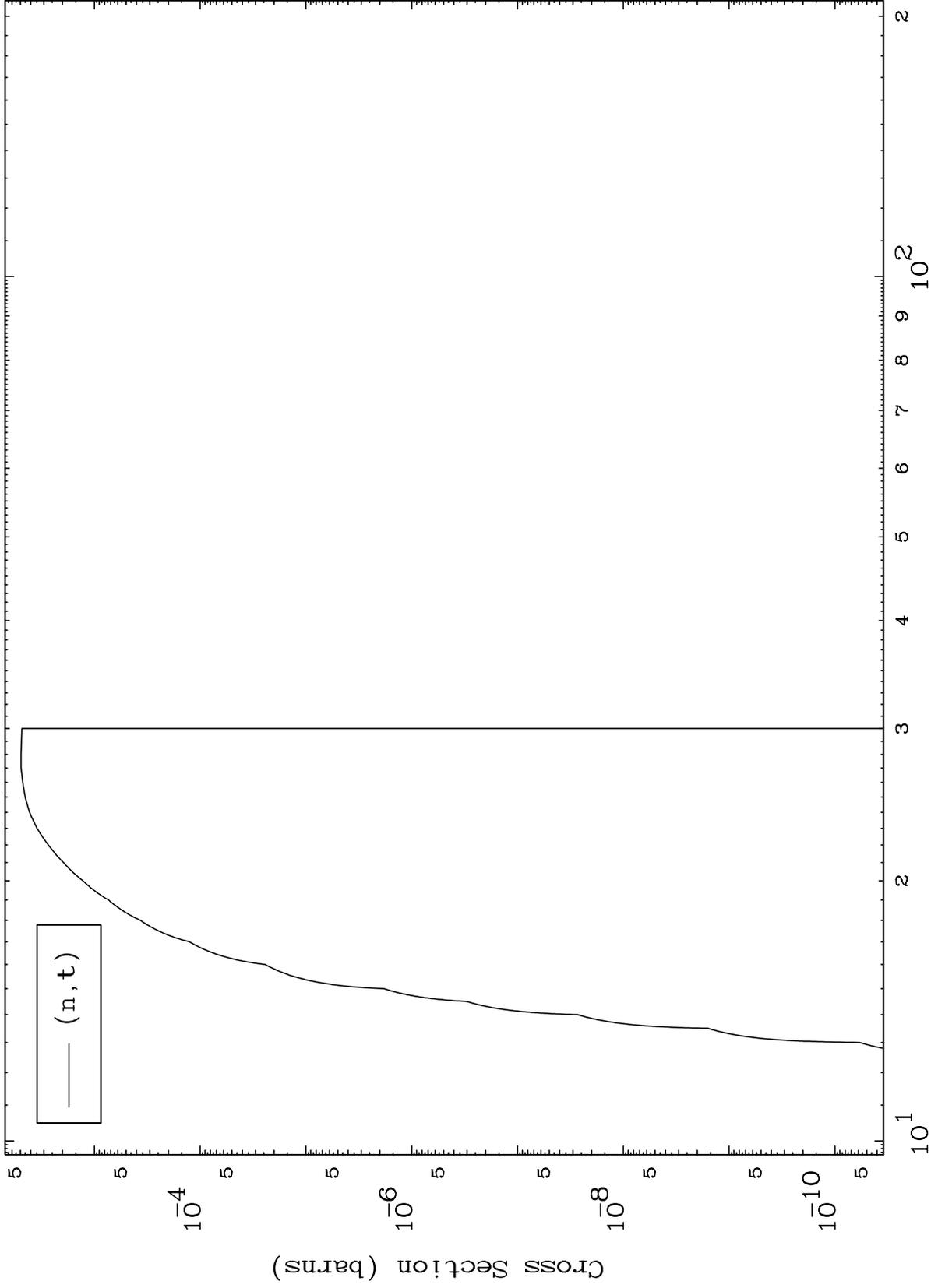
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MAT 4443

(n,t) Levels
293 Kelvin Cross Sections

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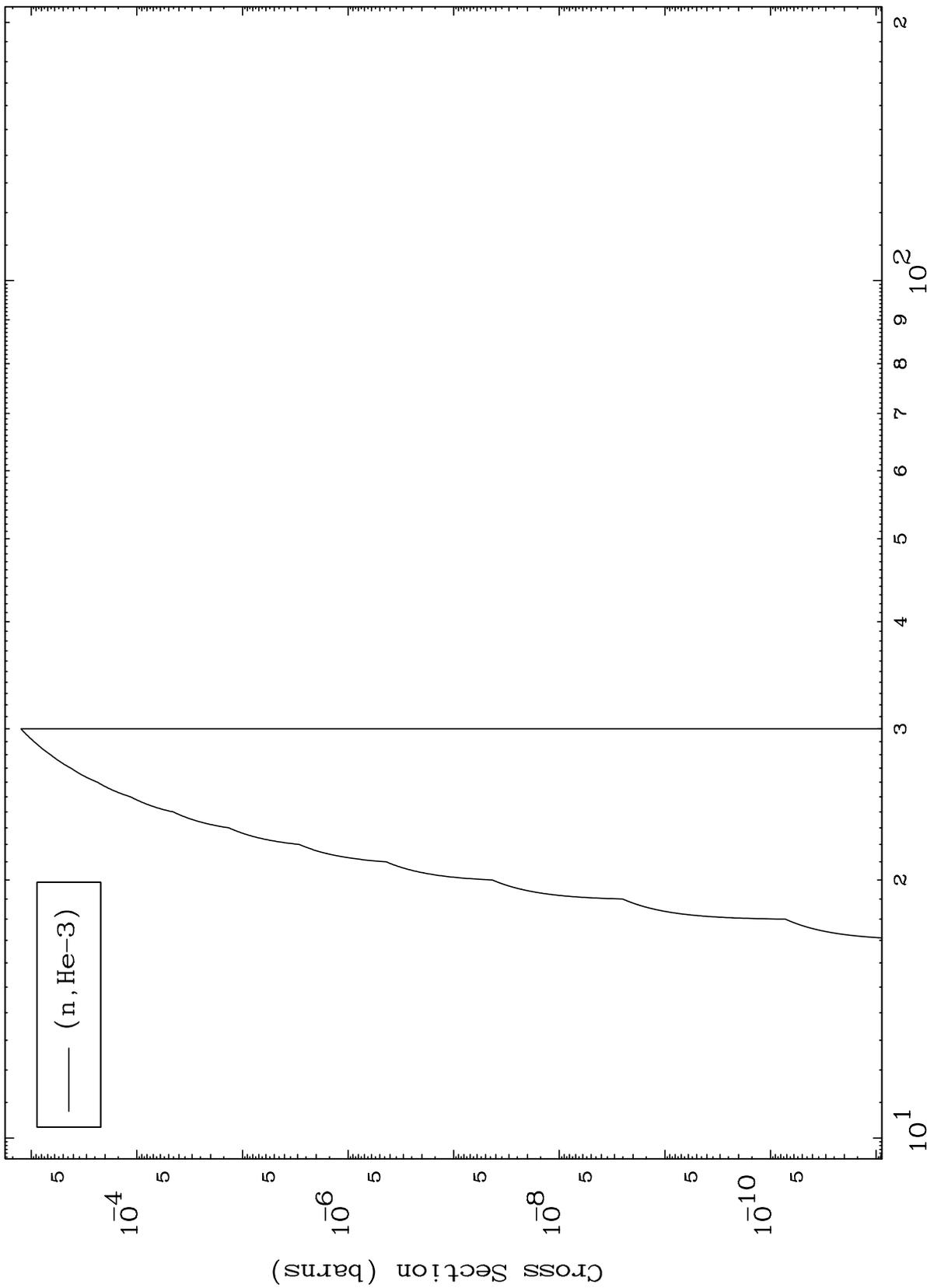
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MAT 4443

(n,He3) Levels
293 Kelvin Cross Sections

44-Ru-102



13

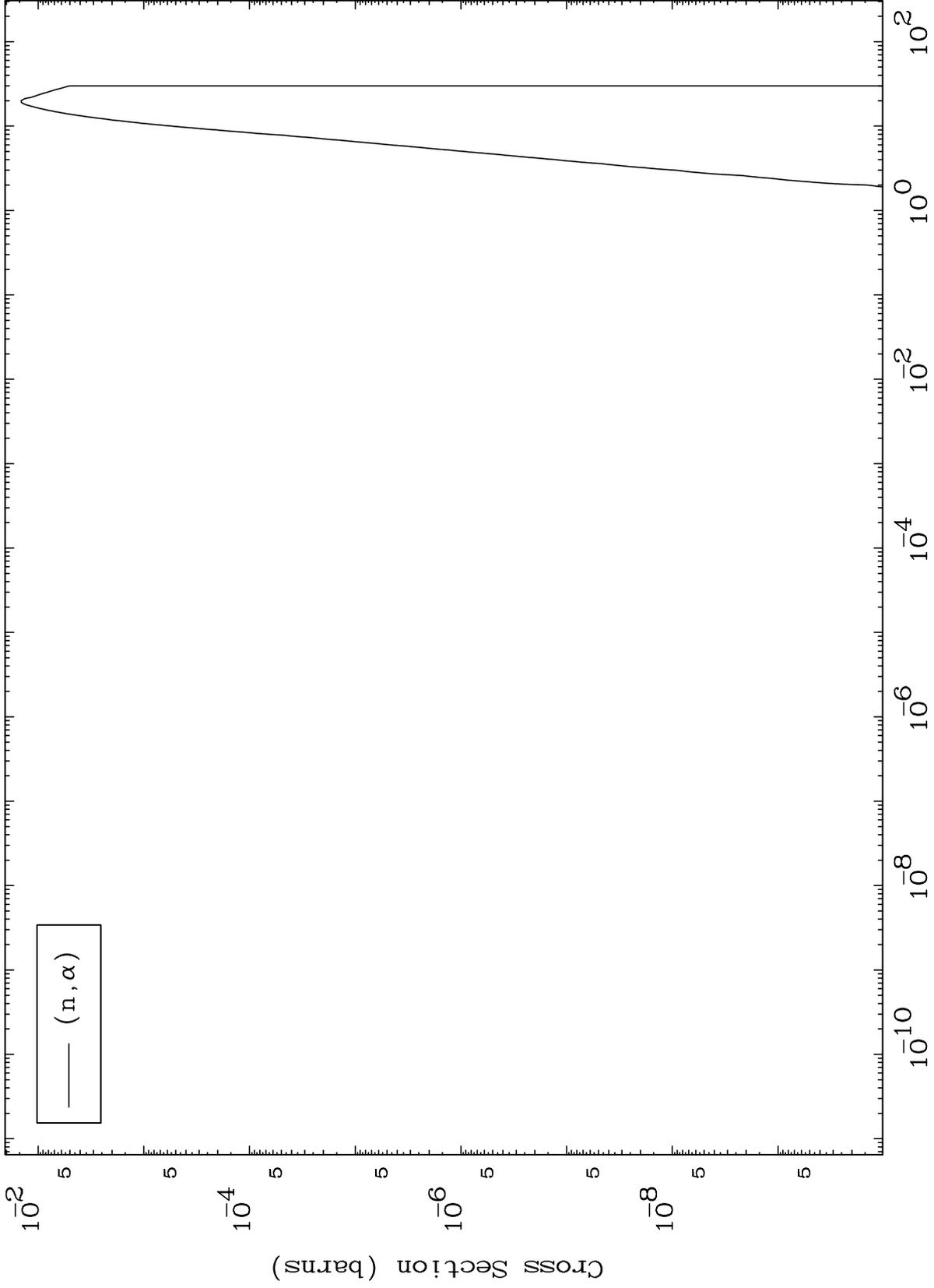
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(n, α) Levels
293 Kelvin Cross Sections

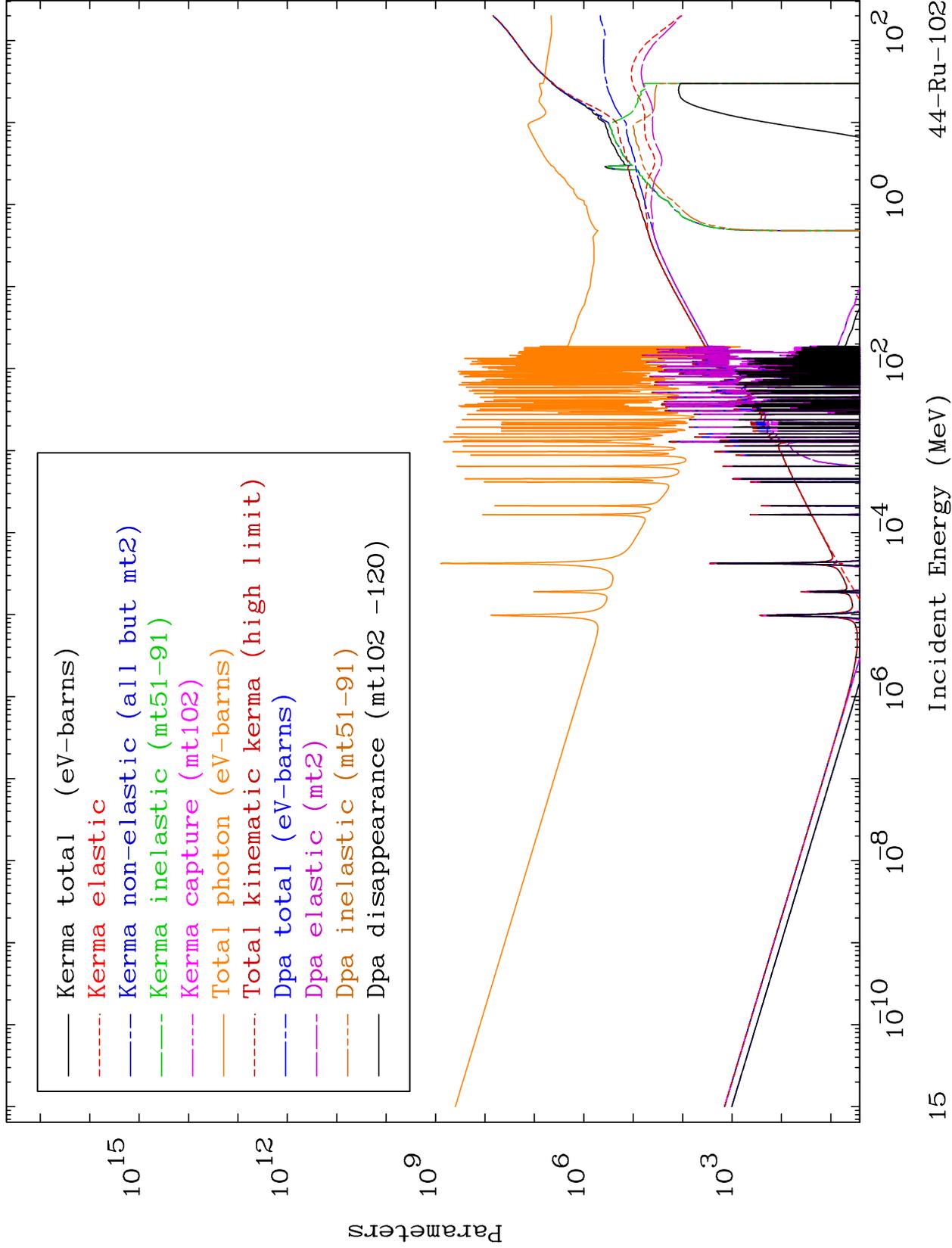
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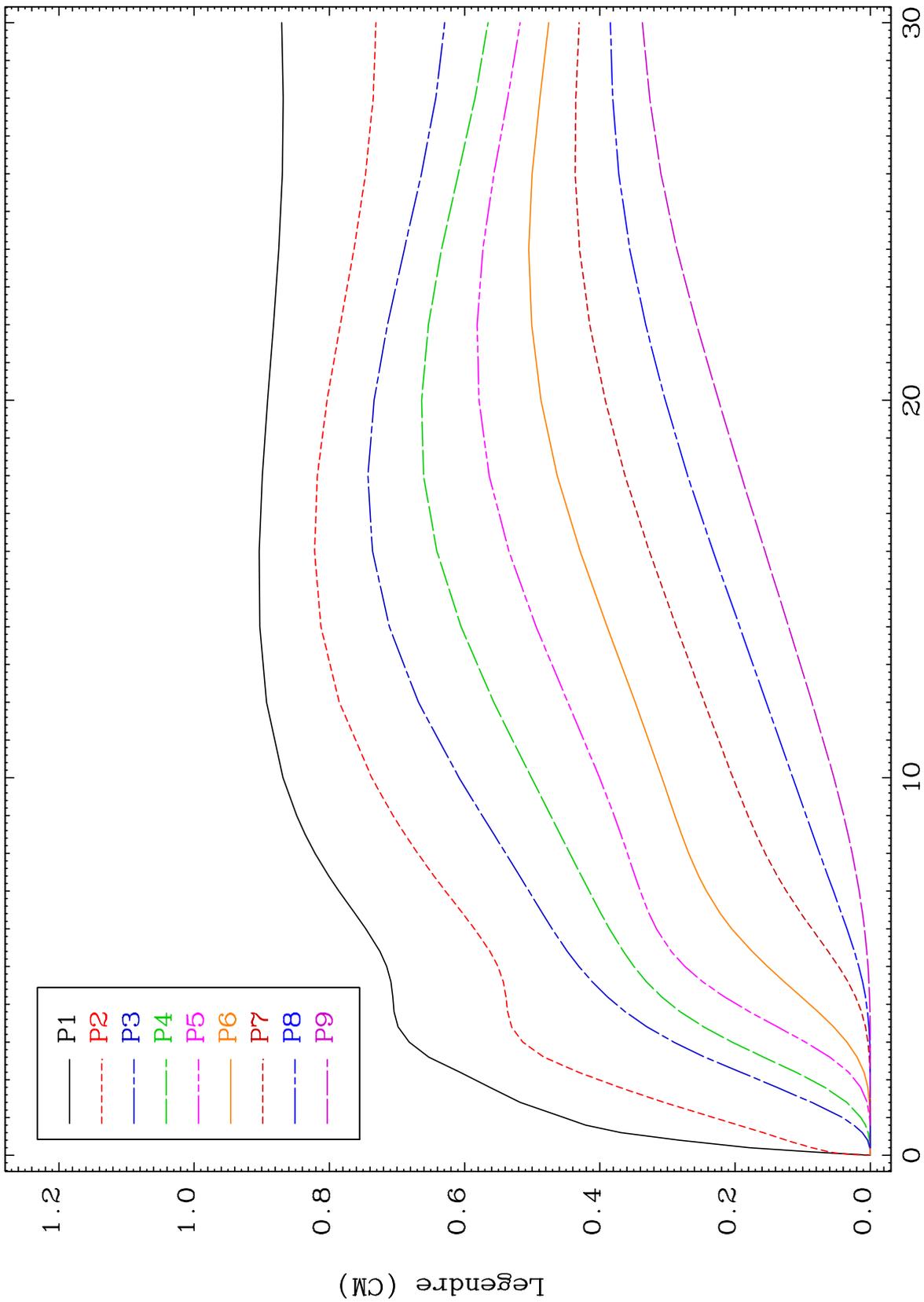
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MAT 4443

Elastic Legendre Coefficients

44-Ru-102



16

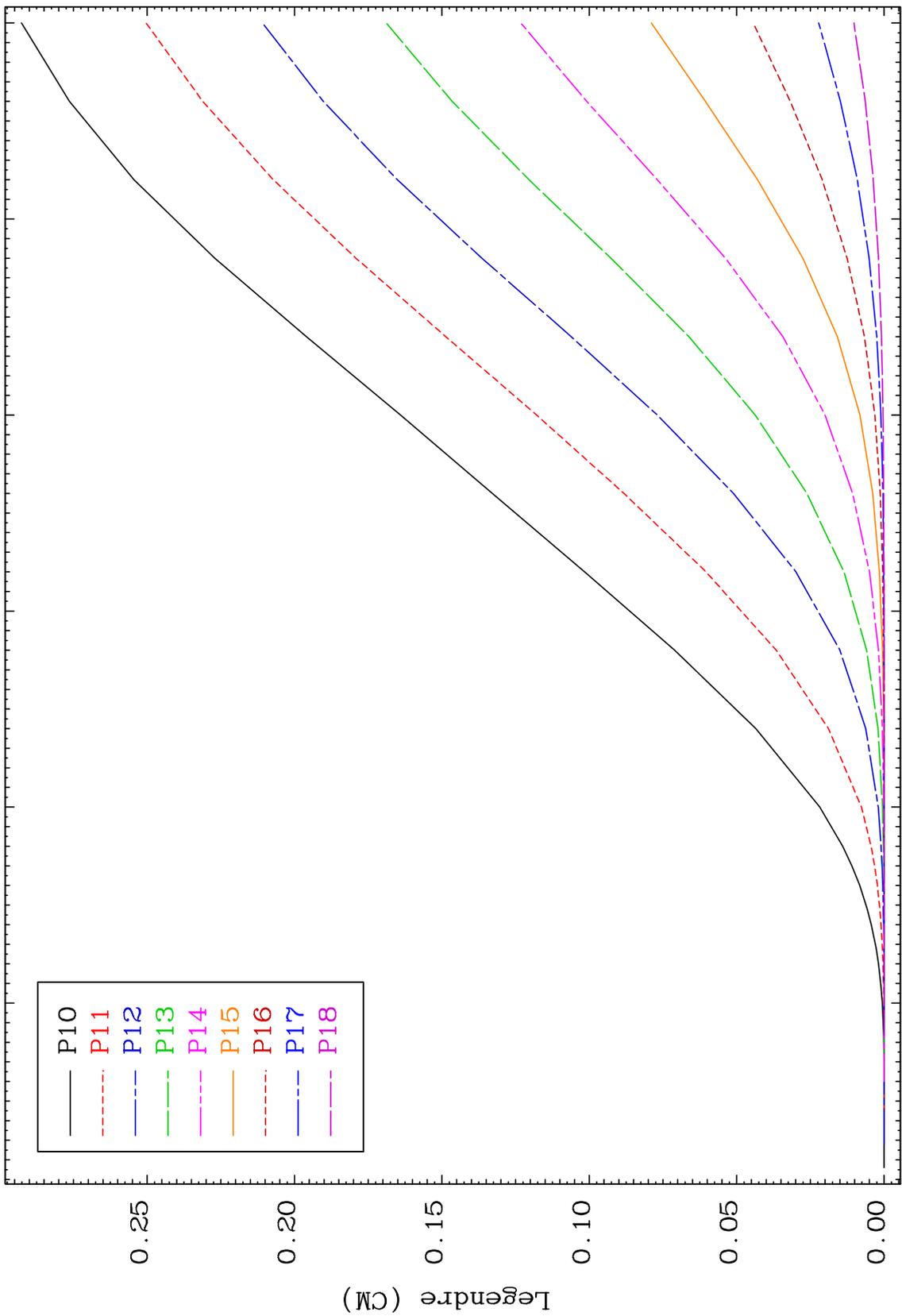
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MAT 4443

Elastic Legendre Coefficients

44-Ru-102



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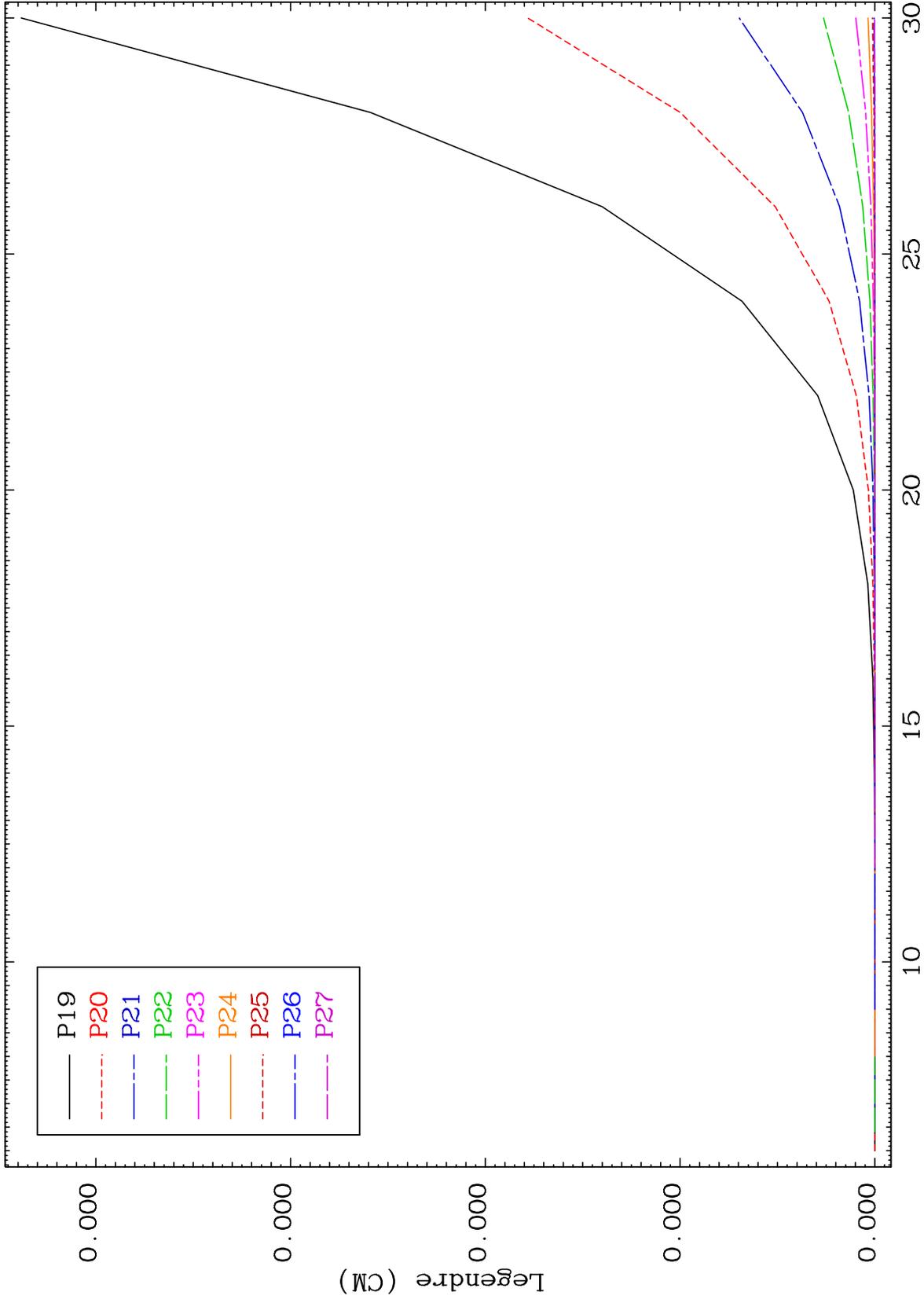
Incident Energy (MeV)

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MAT 4443

Elastic Legendre Coefficients

44-Ru-102



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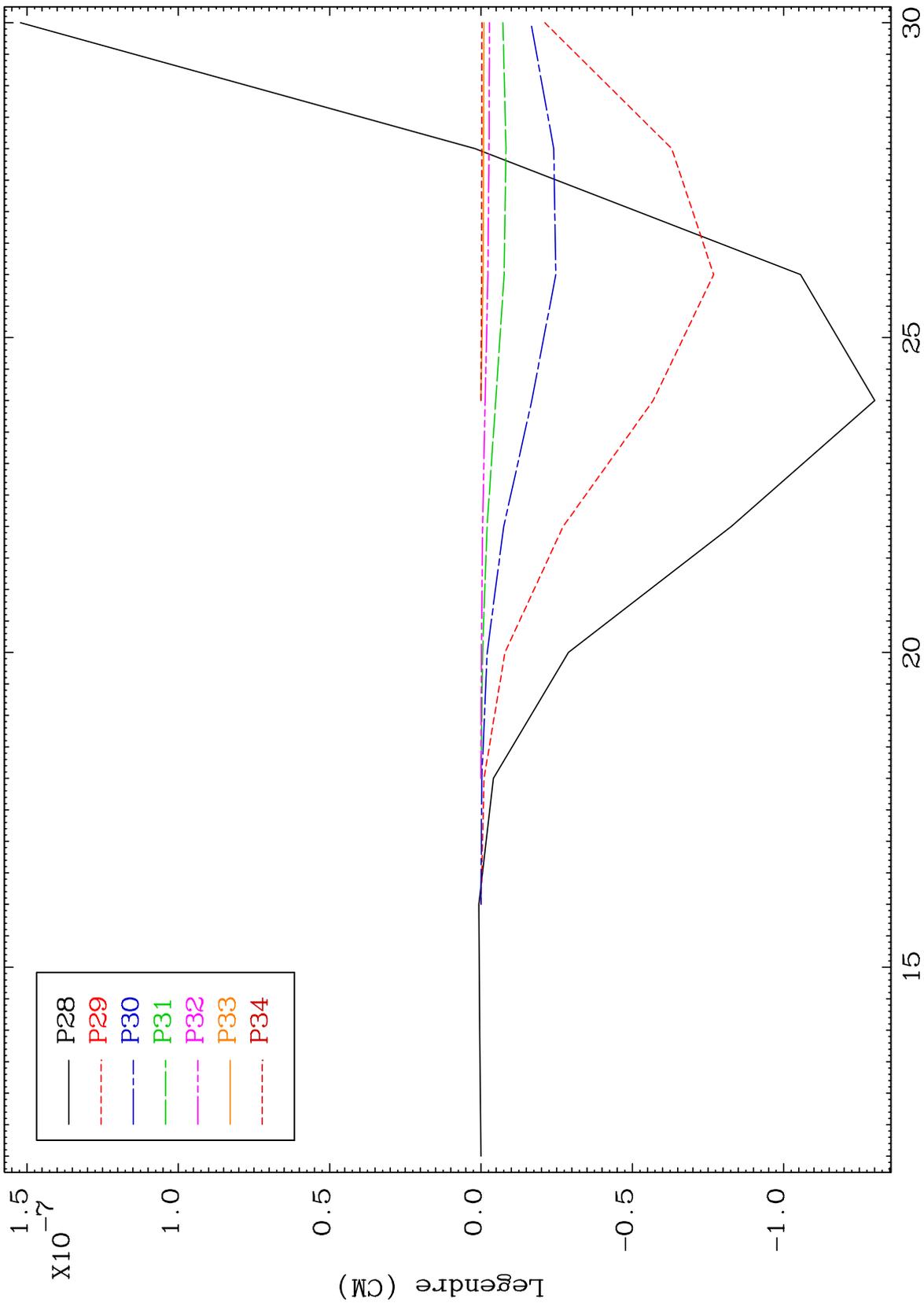
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MAT 4443

Elastic Legendre Coefficients

44-Ru-102



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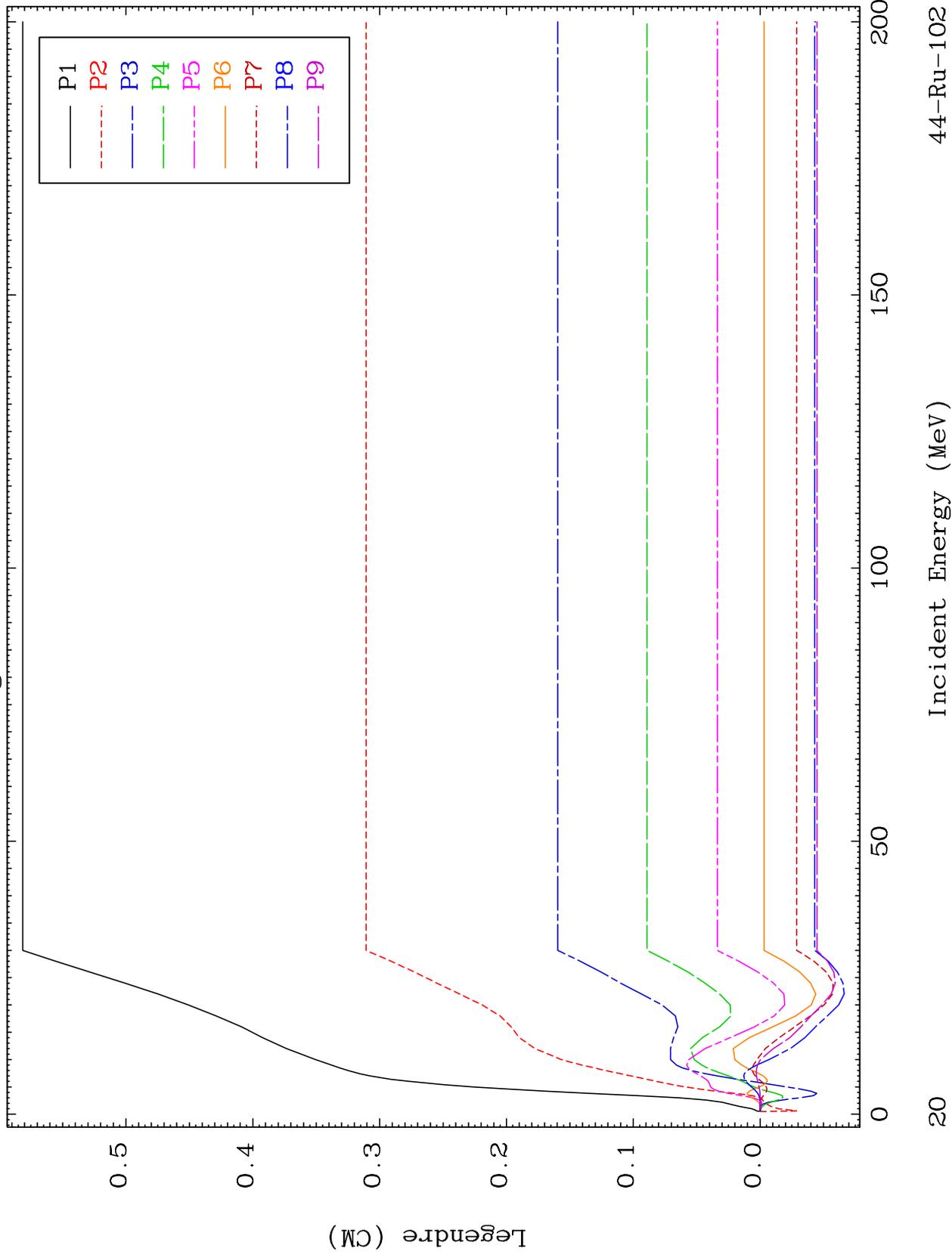
Incident Energy (MeV)

44-Ru-102

MAT 4443

475.1 keV (n, n') Level
Legendre Coefficients

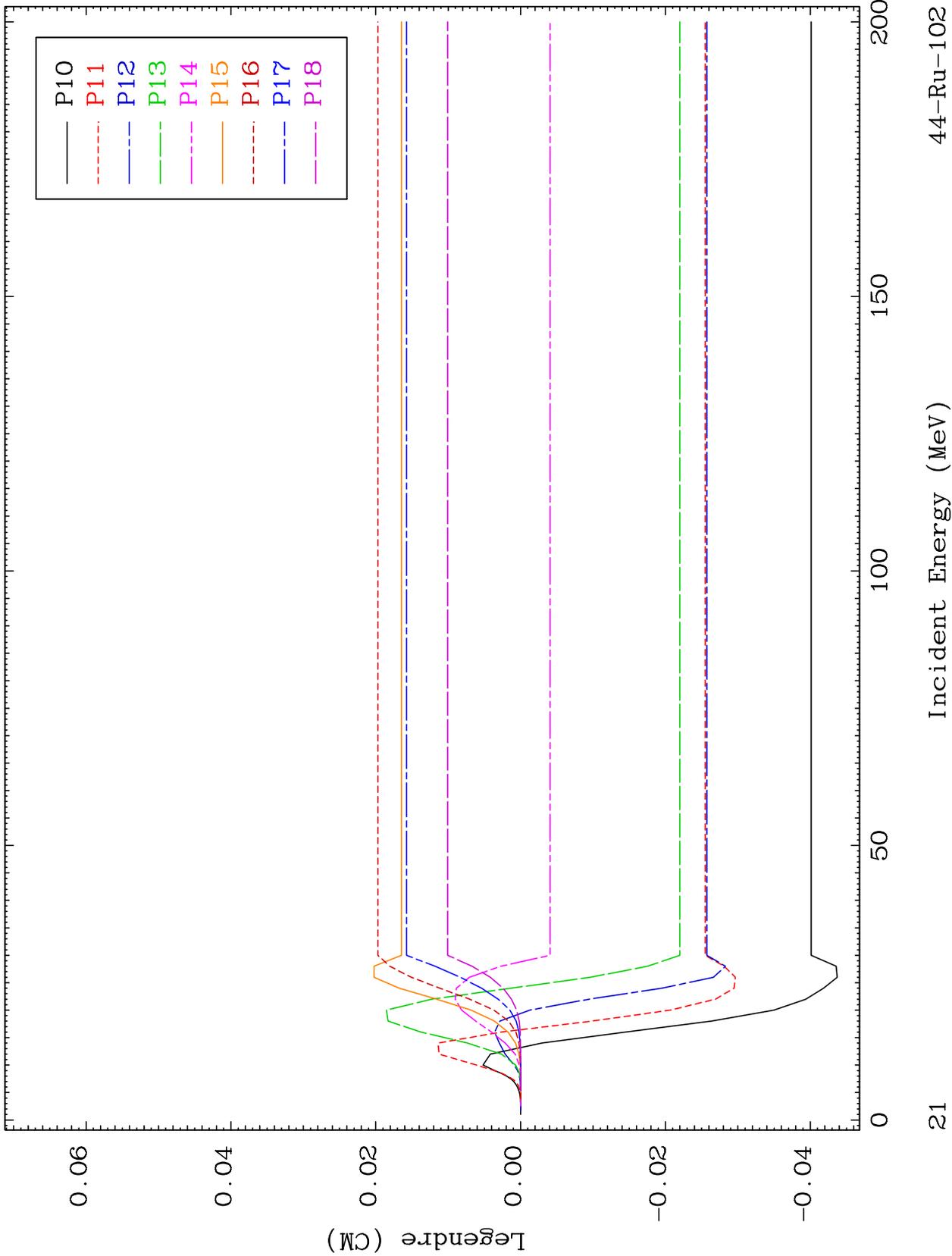
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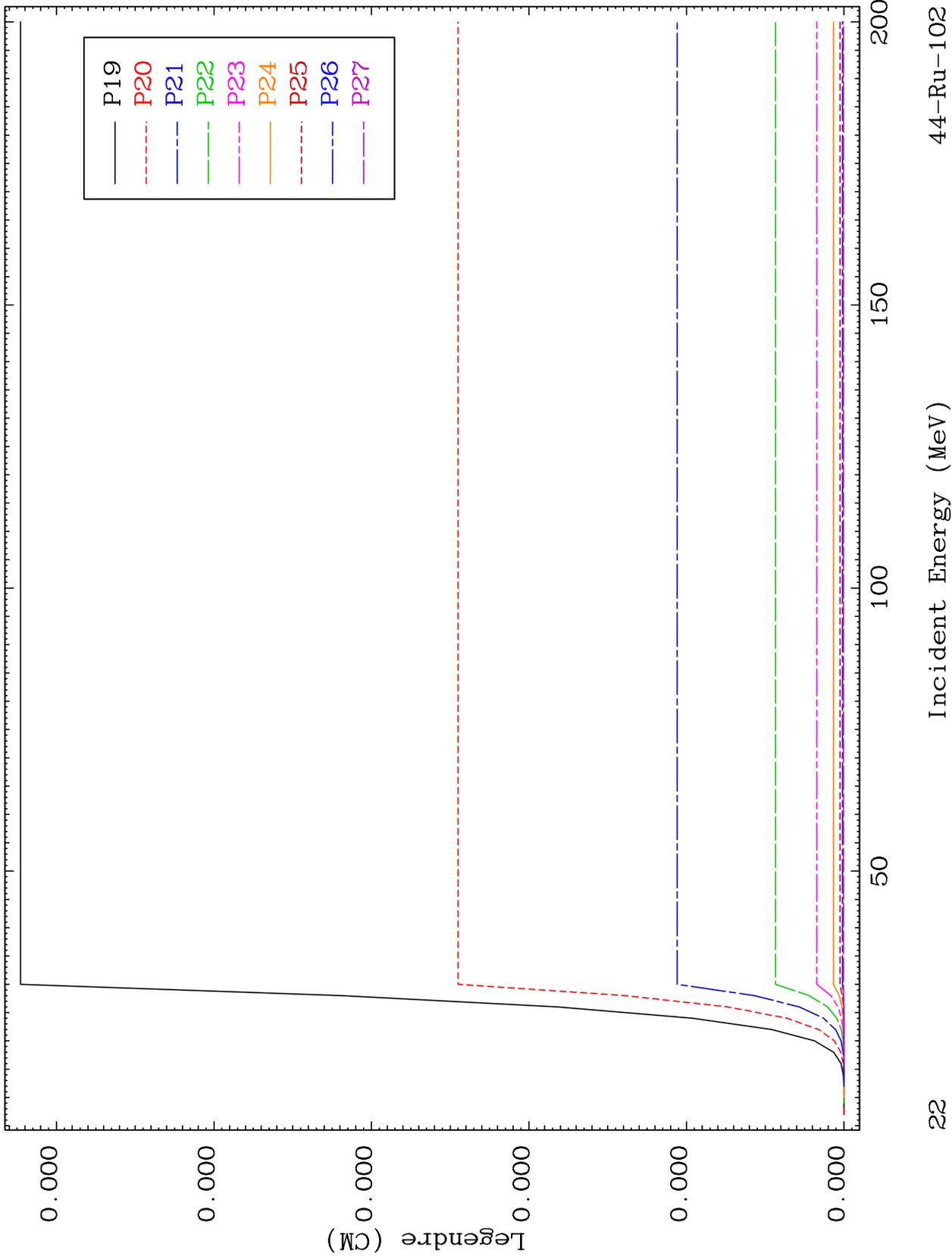


MAT 4443

475.1 keV (n,n') Level
Legendre Coefficients

44-Ru-102

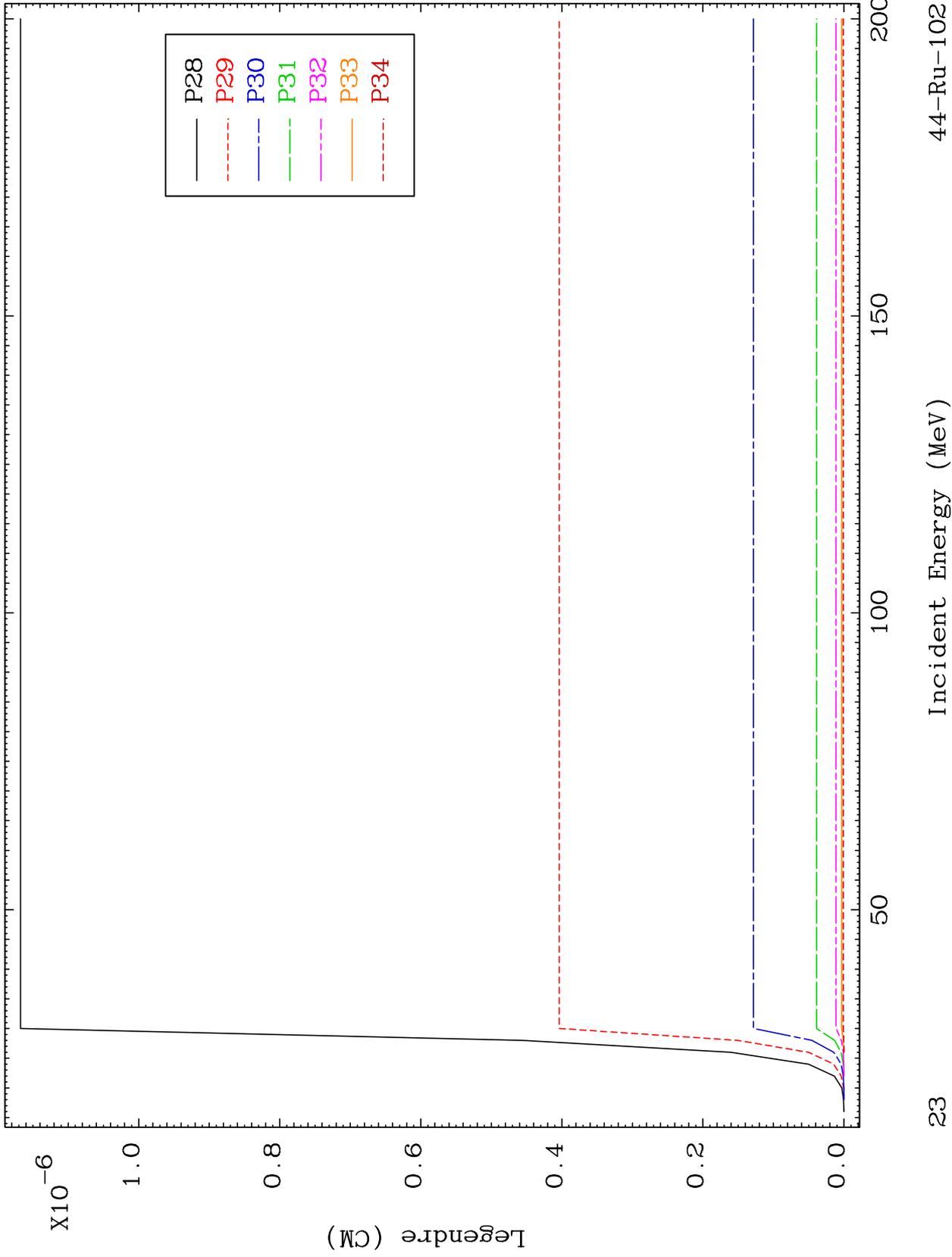




MAT 4443

475.1 keV (n, n') Level
Legendre Coefficients

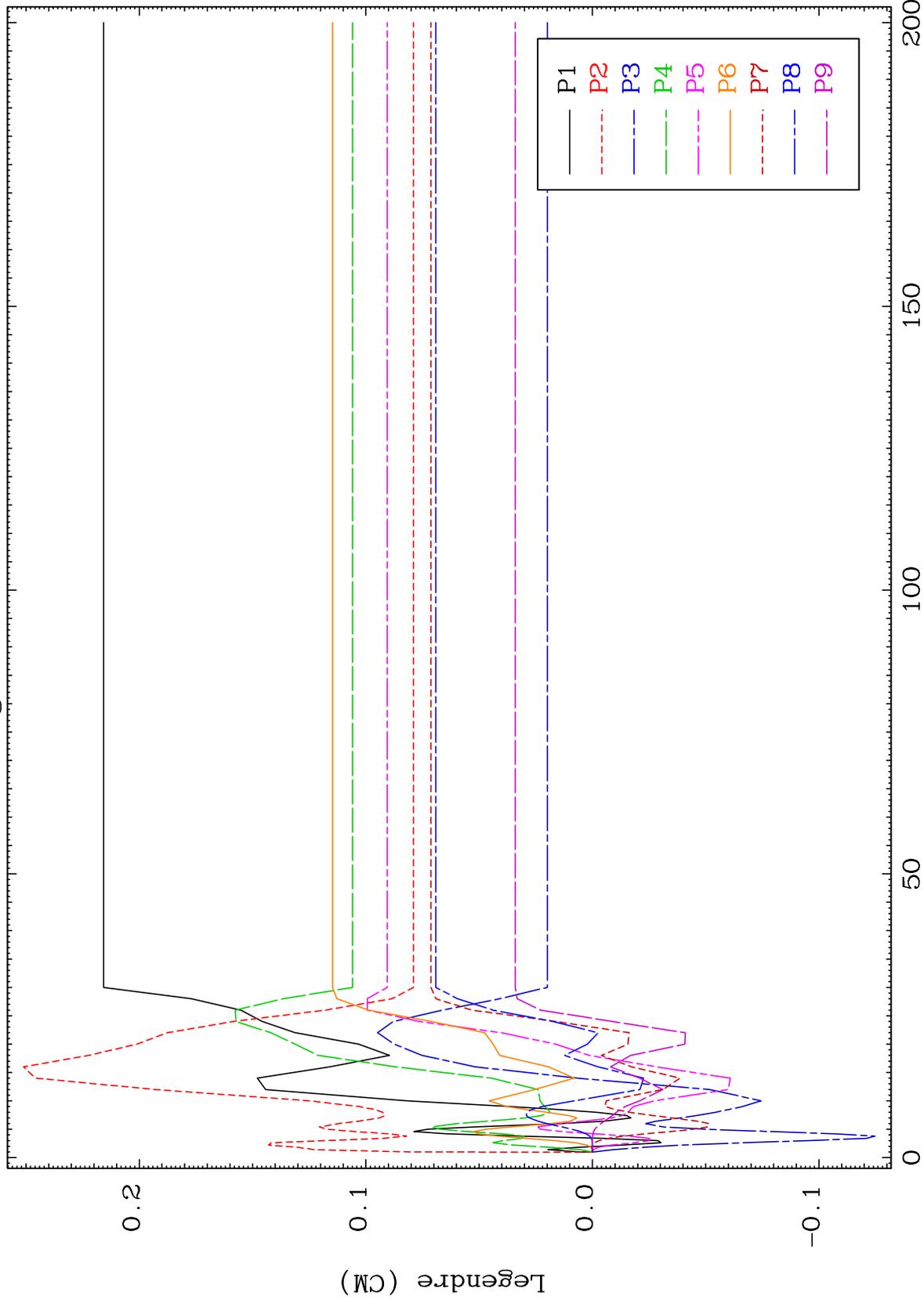
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MAT 4443

943.7 keV (n,n') Level
Legendre Coefficients

44-Ru-102



24

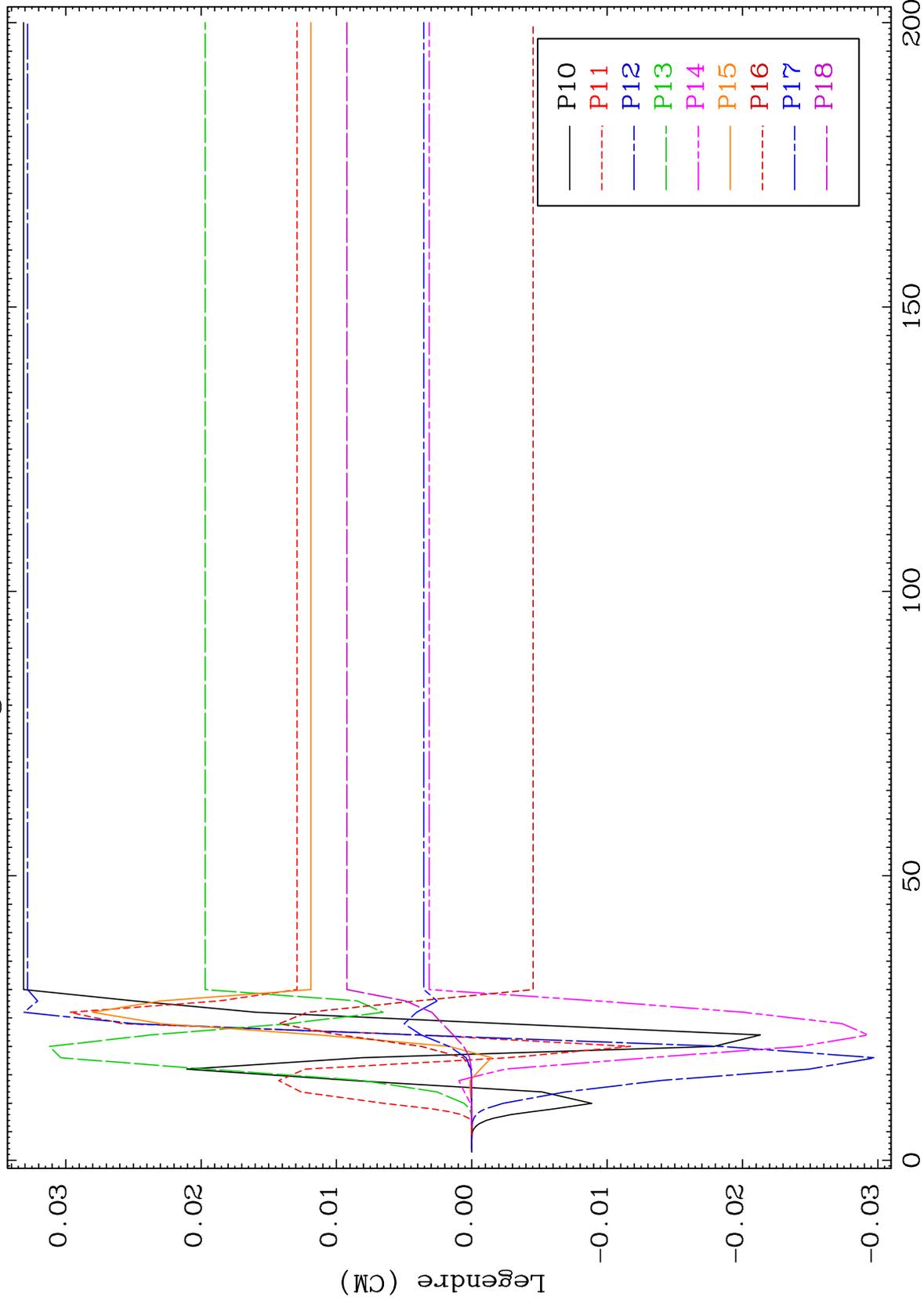
Incident Energy (MeV)

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MAT 4443

943.7 keV (n, n') Level
Legendre Coefficients

44-Ru-102



25

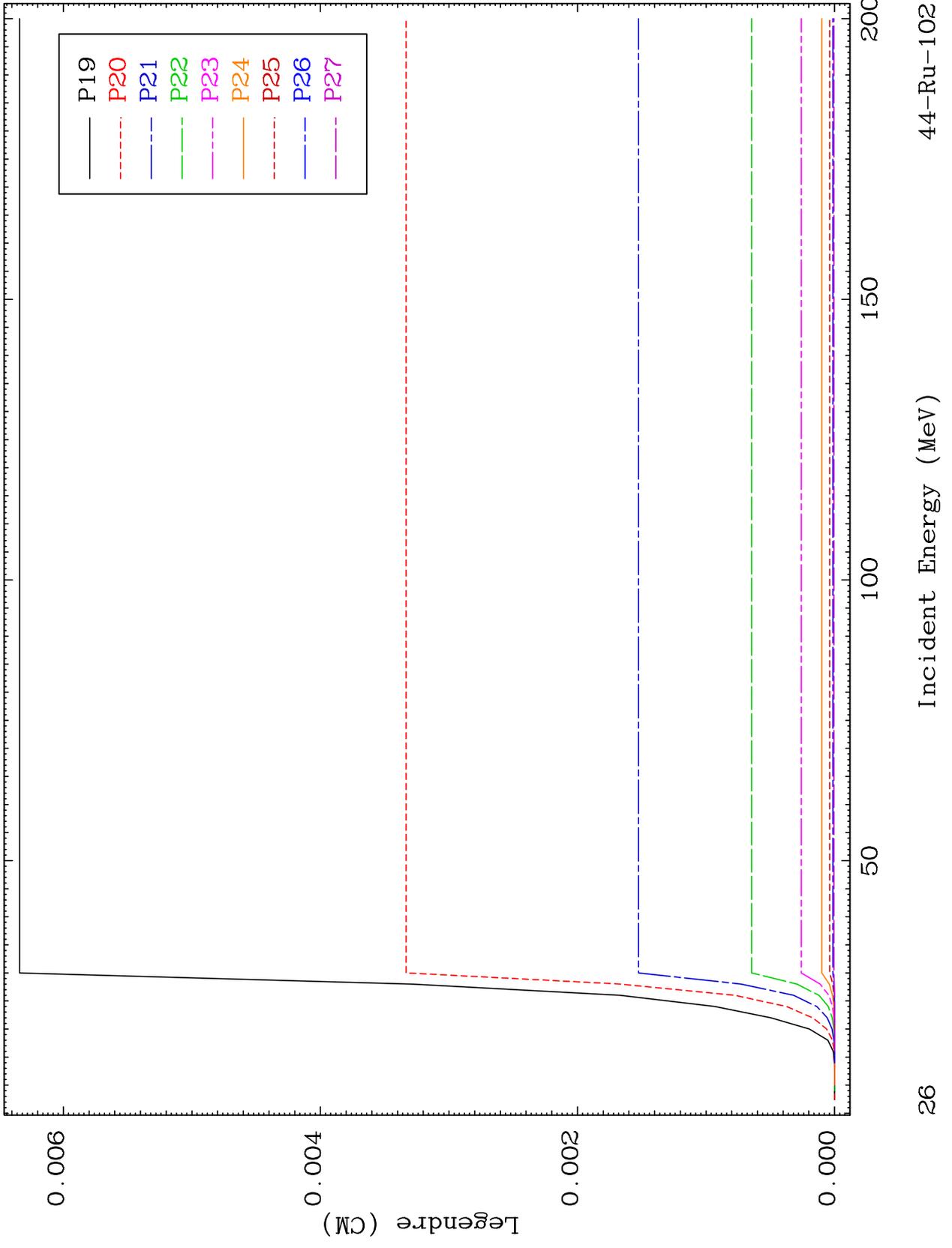
Incident Energy (MeV)

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MAT 4443

943.7 keV (n, n') Level
Legendre Coefficients

44-Ru-102



26

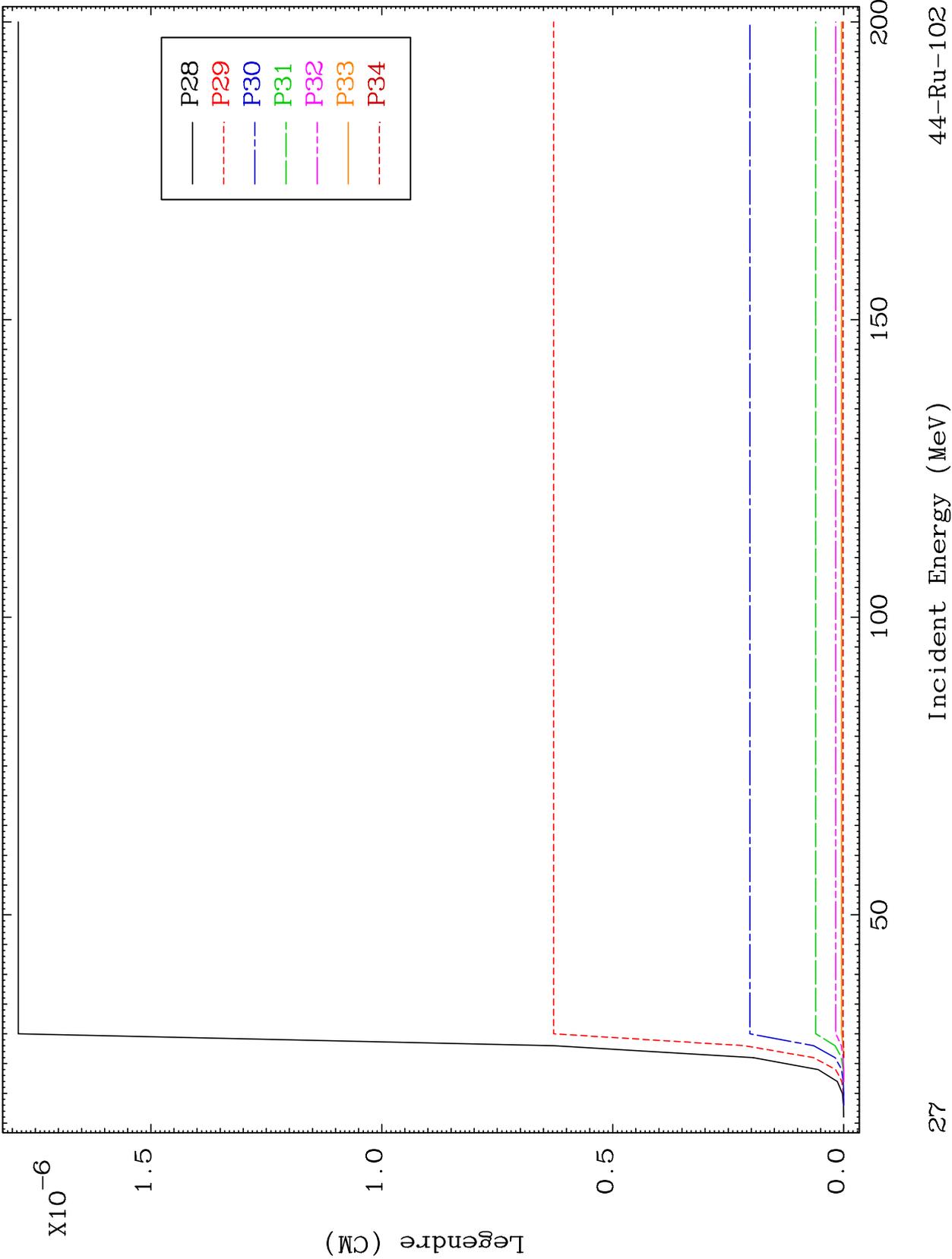
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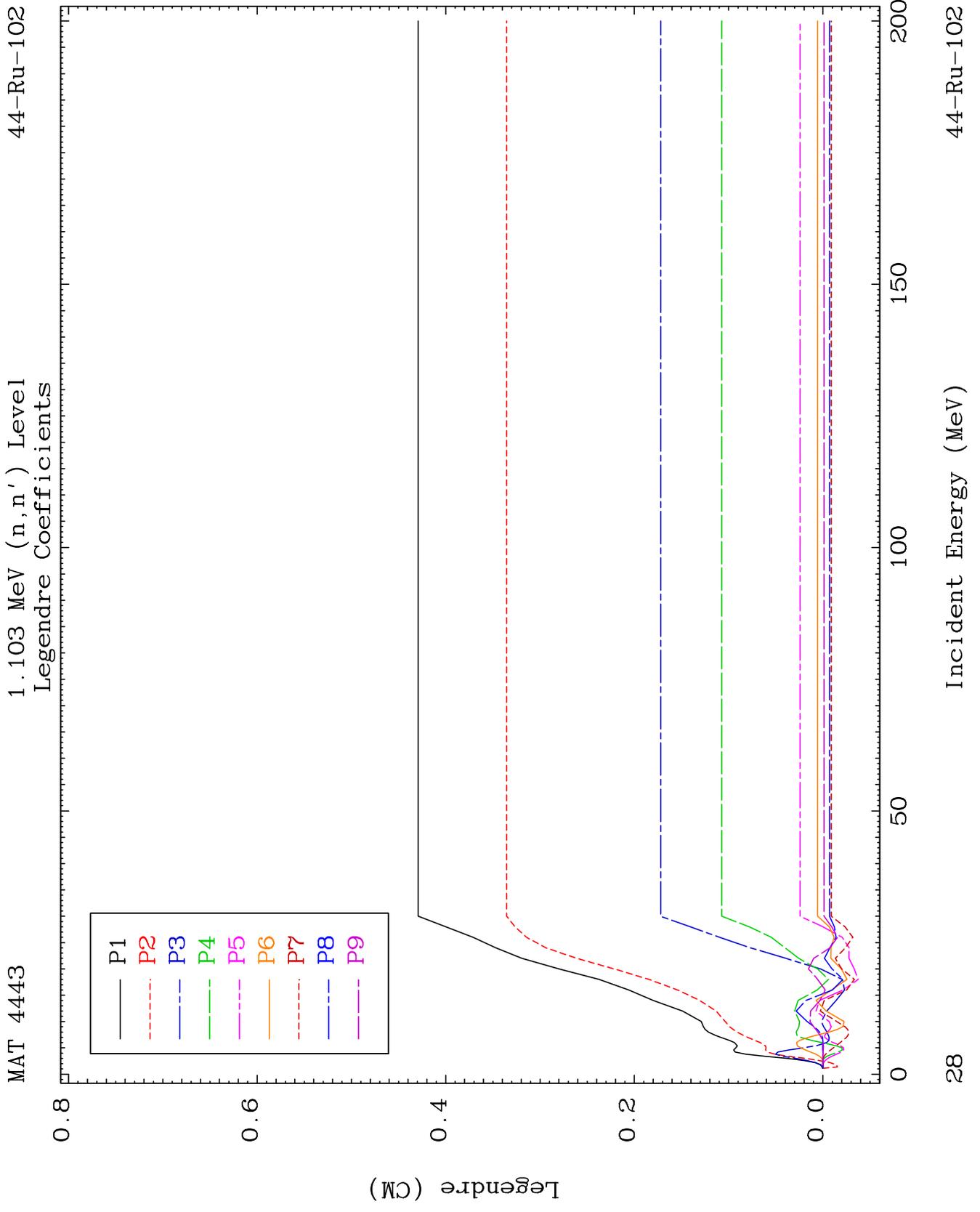
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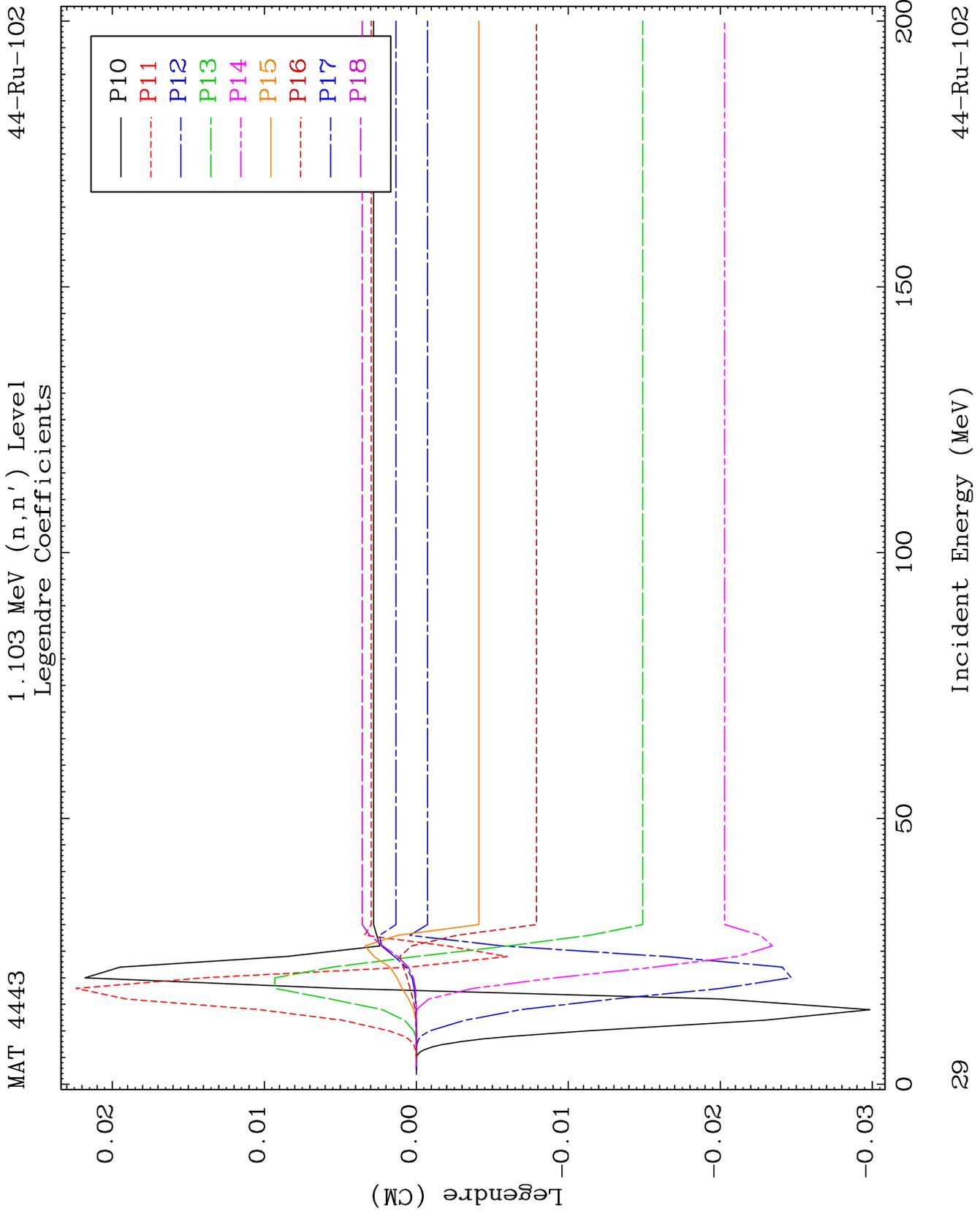
MAT 4443

943.7 keV (n, n') Level
Legendre Coefficients

44-Ru-102



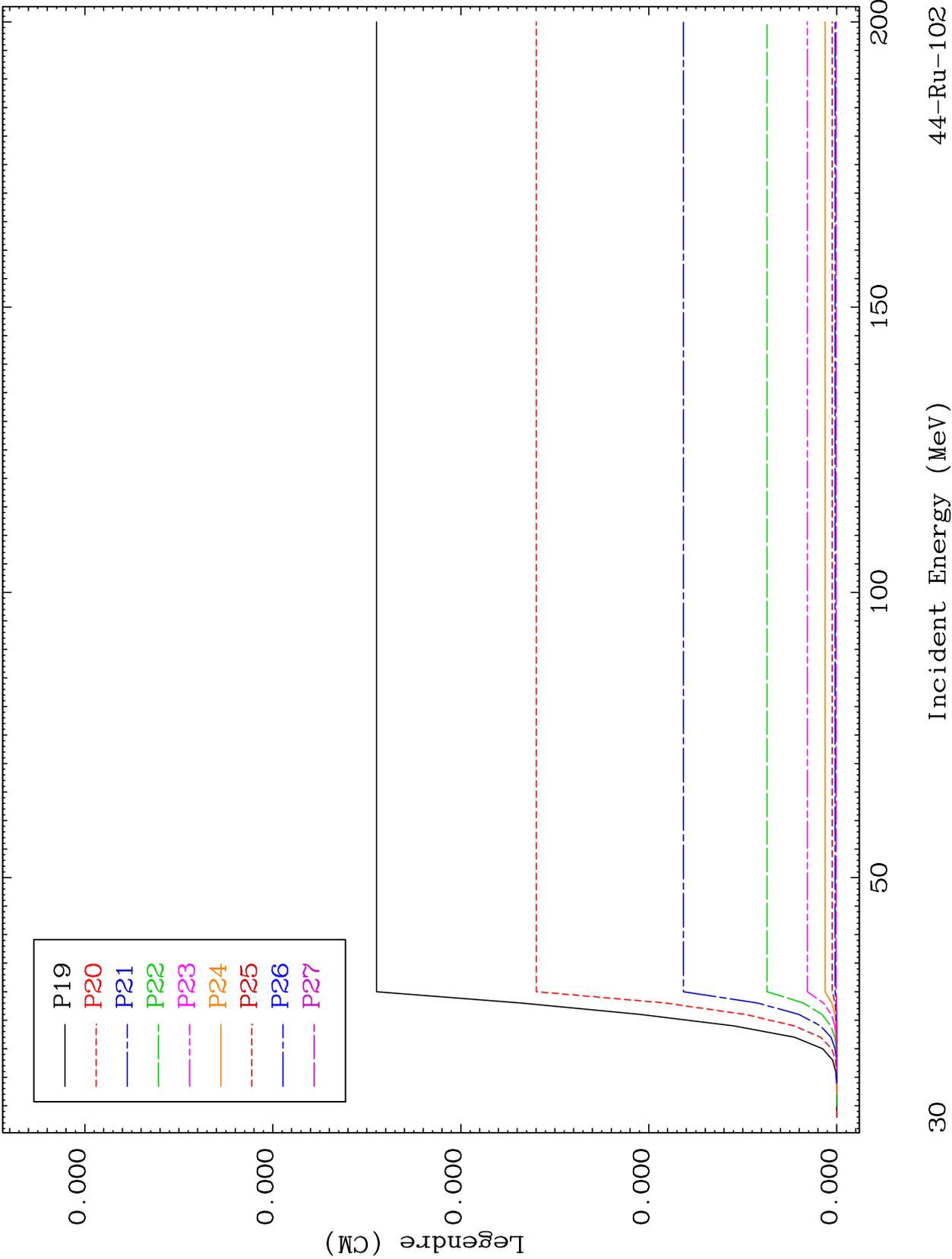




MAT 4443

1.103 MeV (n,n') Level Legendre Coefficients

44-Ru-102



30

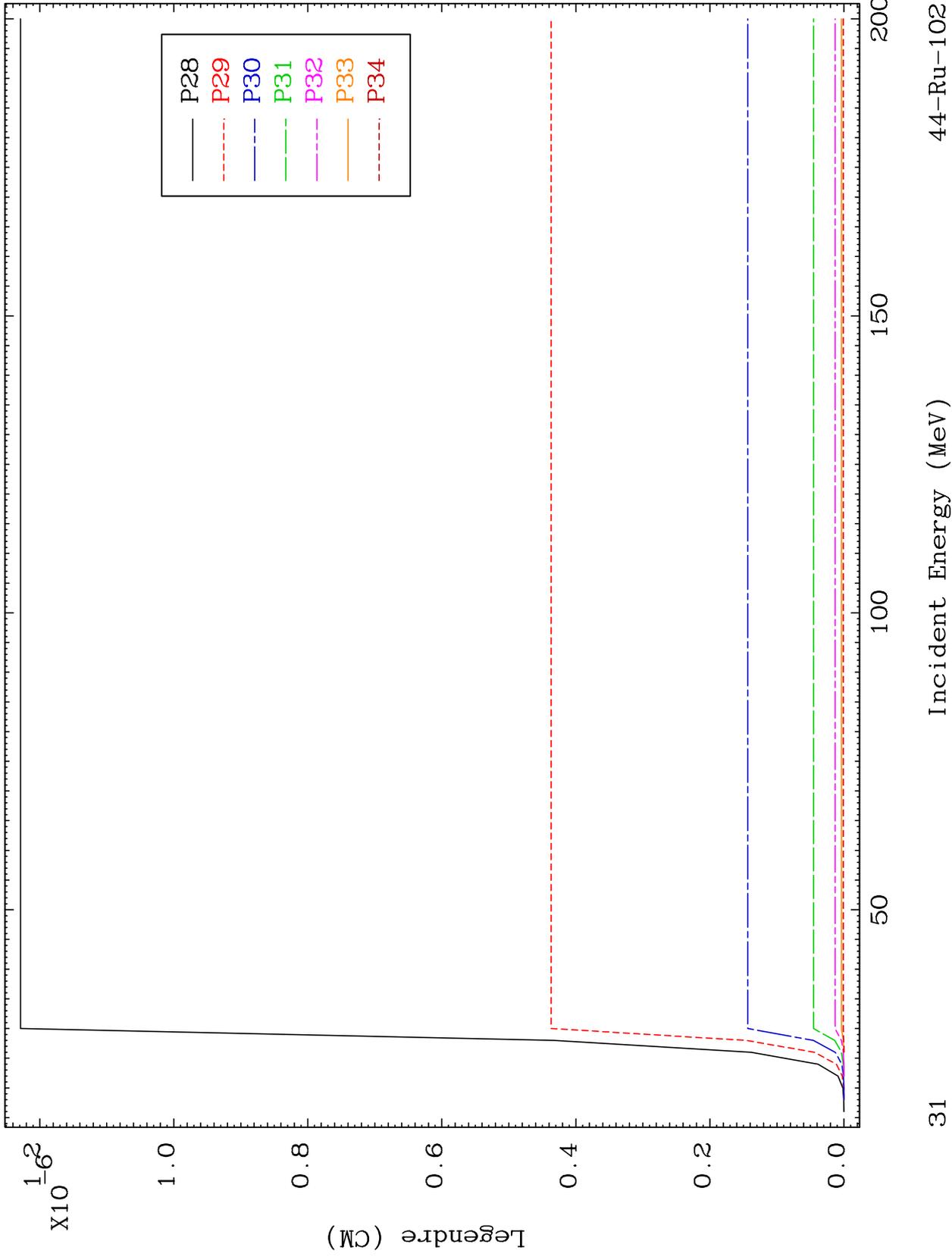
Incident Energy (MeV)

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MAT 4443

1.103 MeV (n, n') Level
Legendre Coefficients

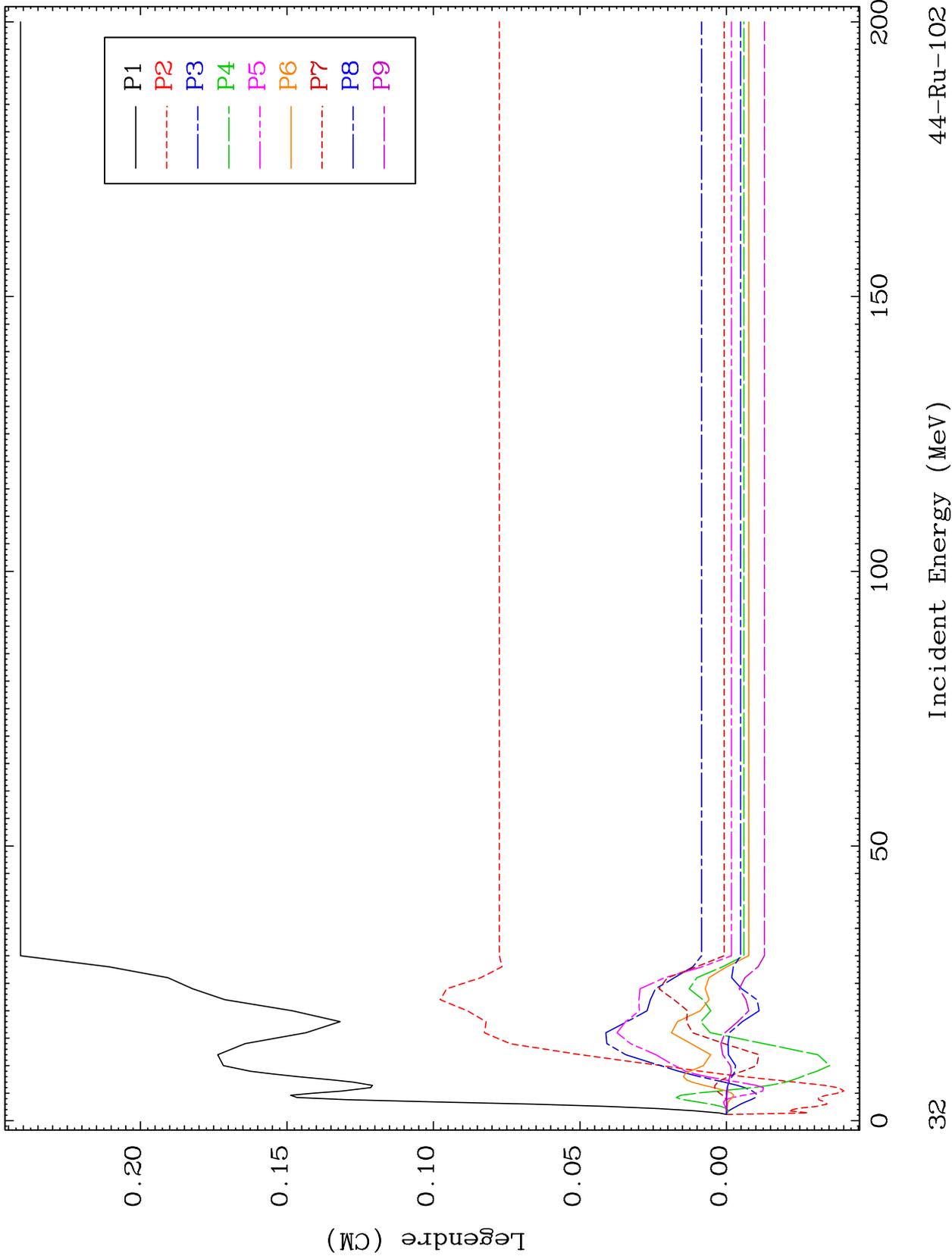
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Incident Energy (MeV)

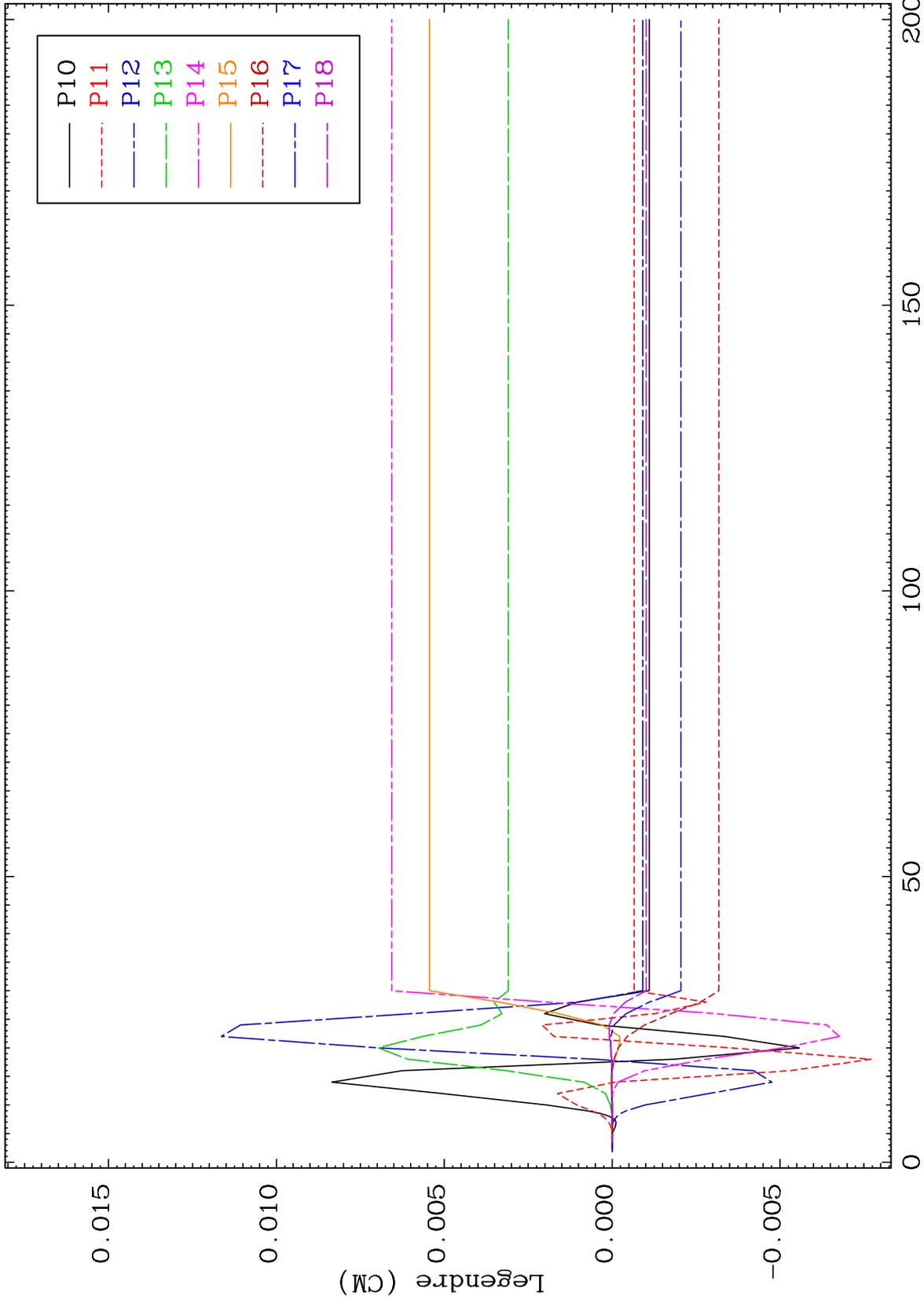
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MAT 4443

1.106 MeV (n, n') Level
Legendre Coefficients

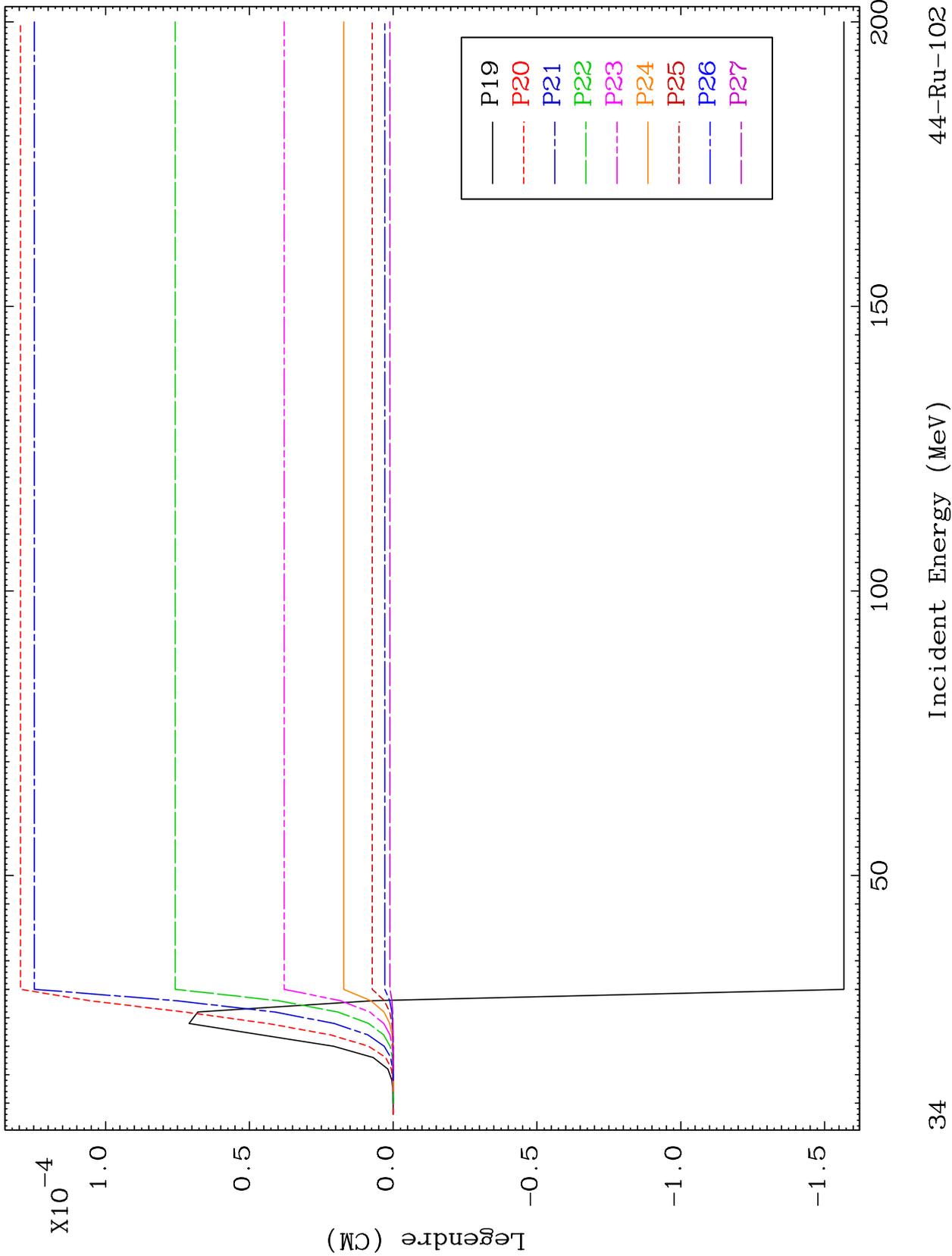
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Incident Energy (MeV)

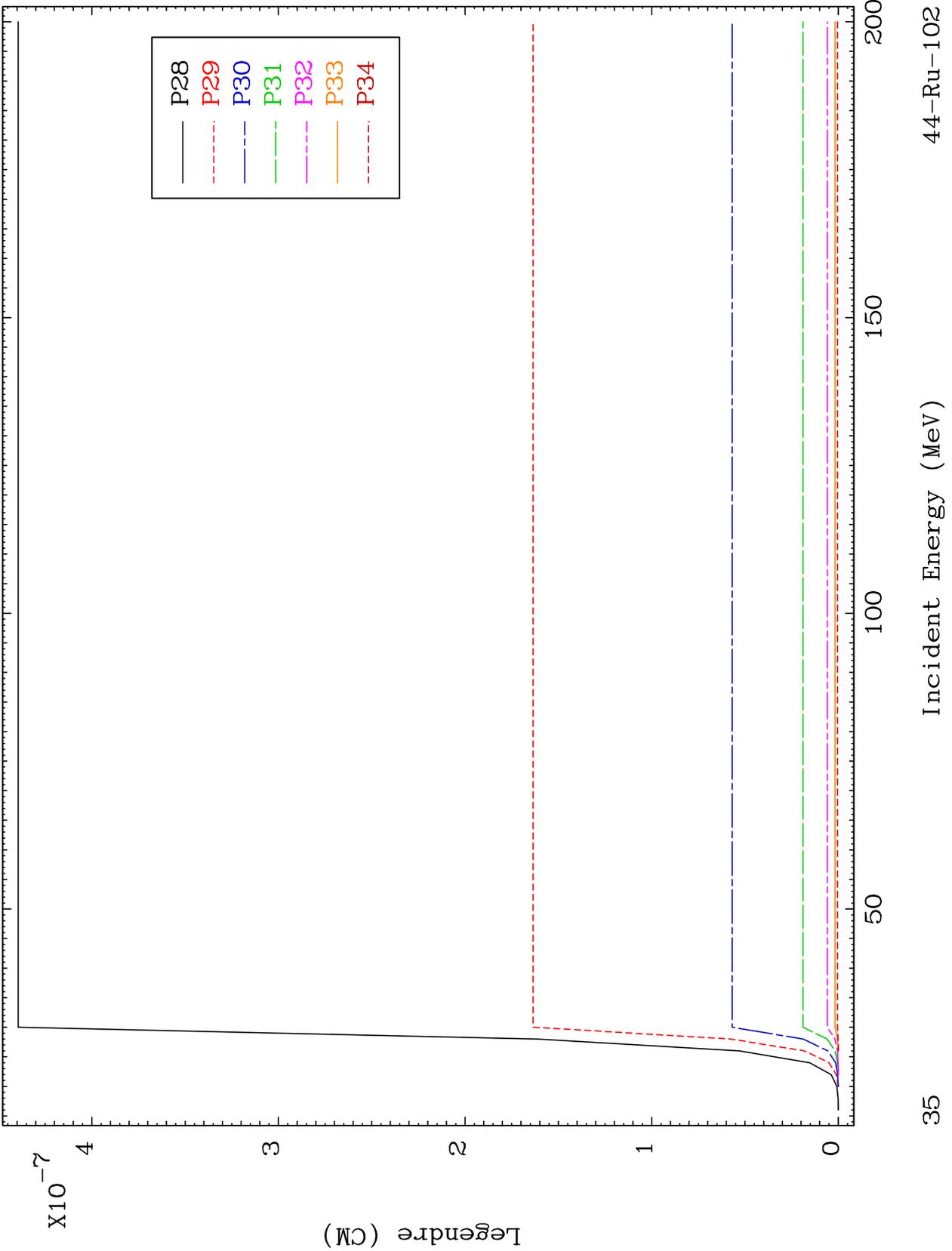
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Legendre Coefficients

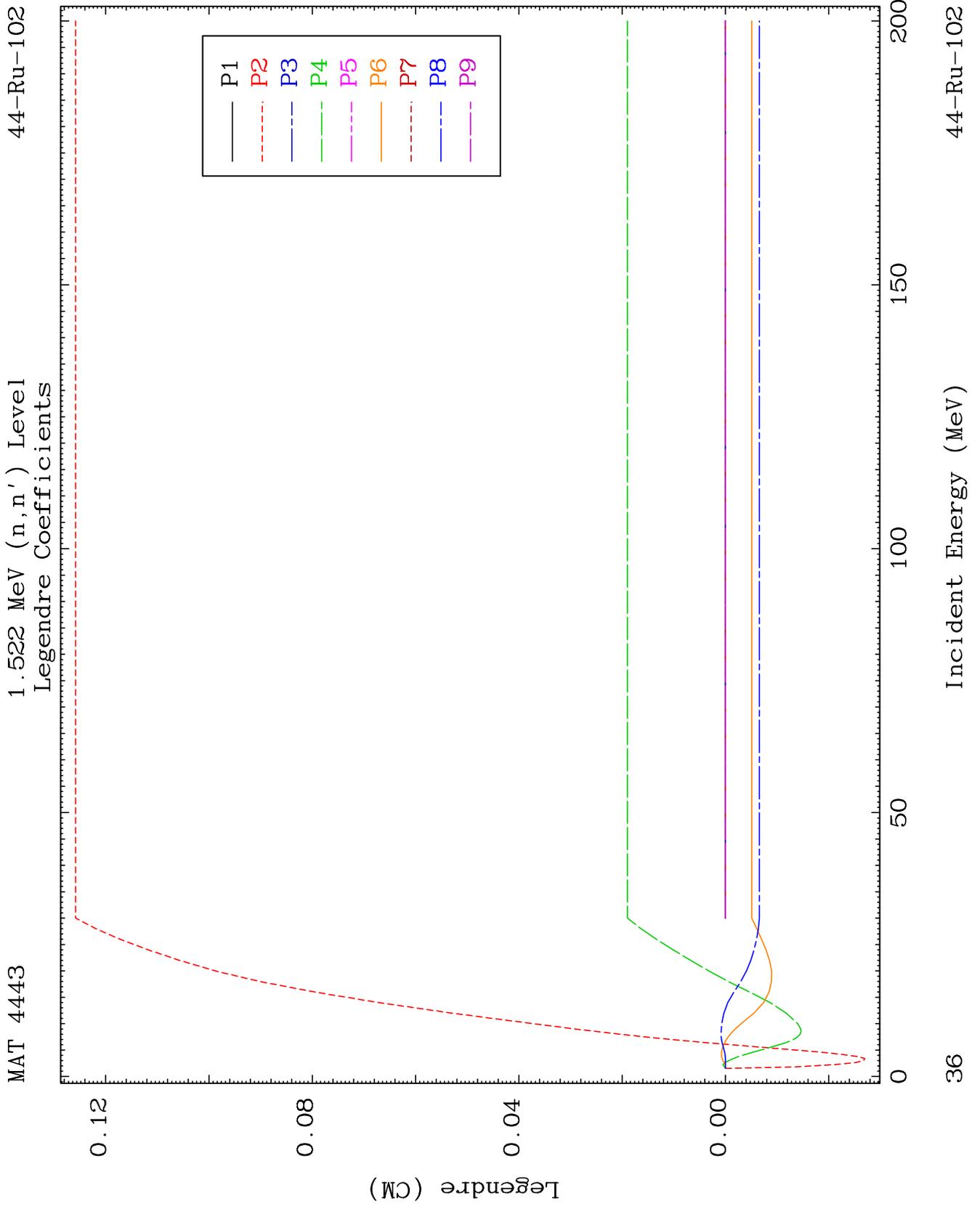
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Incident Energy (MeV)

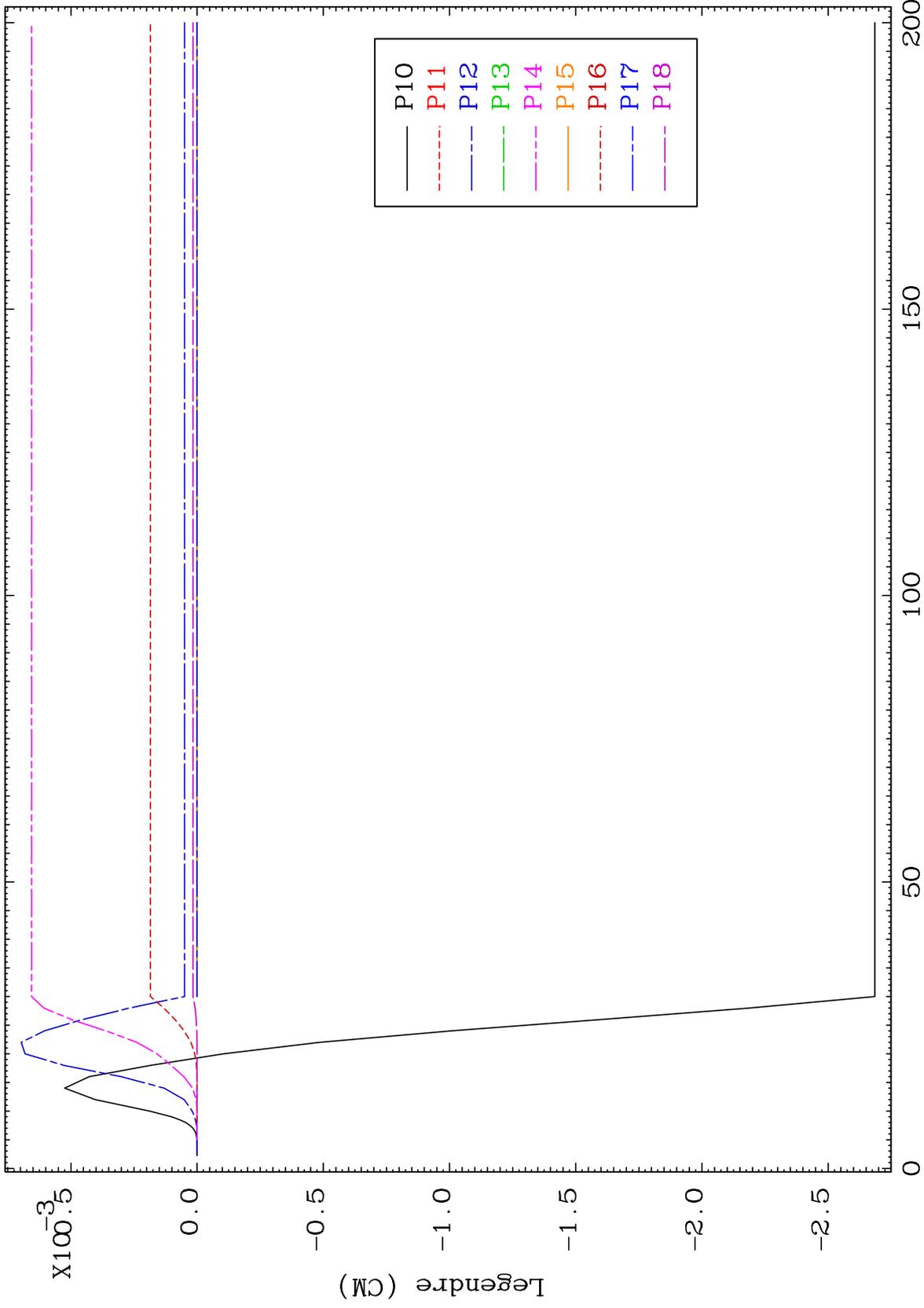
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MAT 4443

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Legendre Coefficients

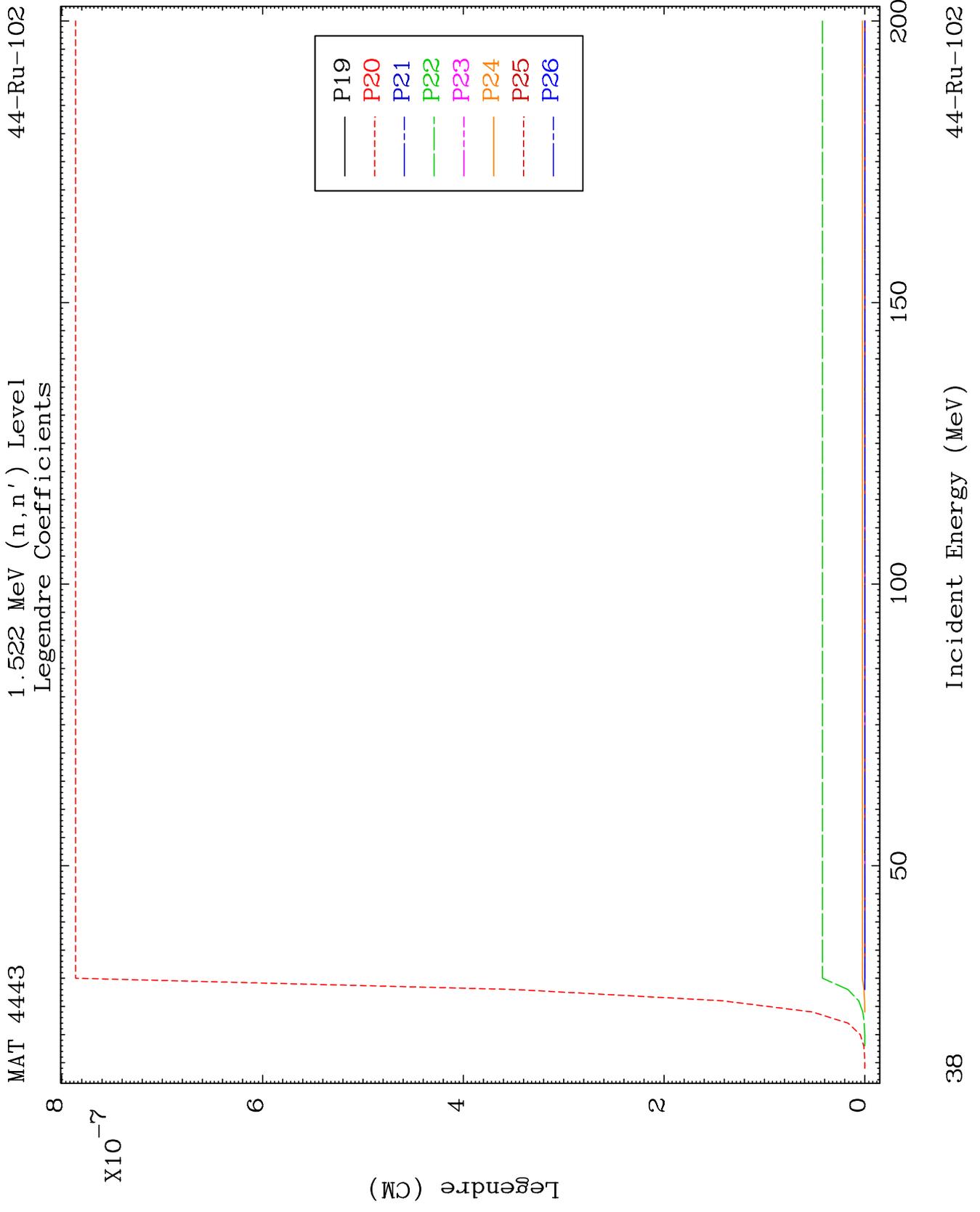
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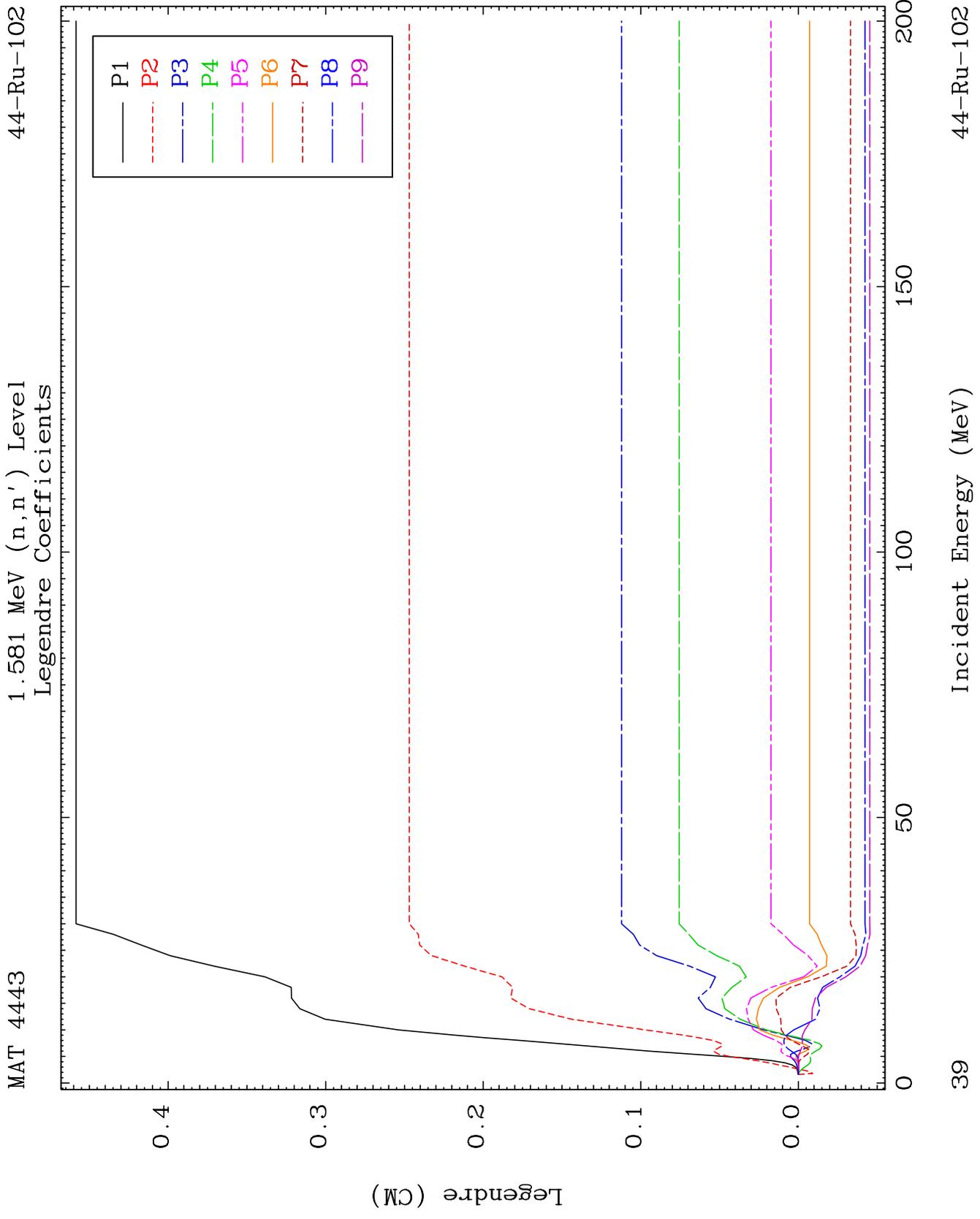


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Incident Energy (MeV)

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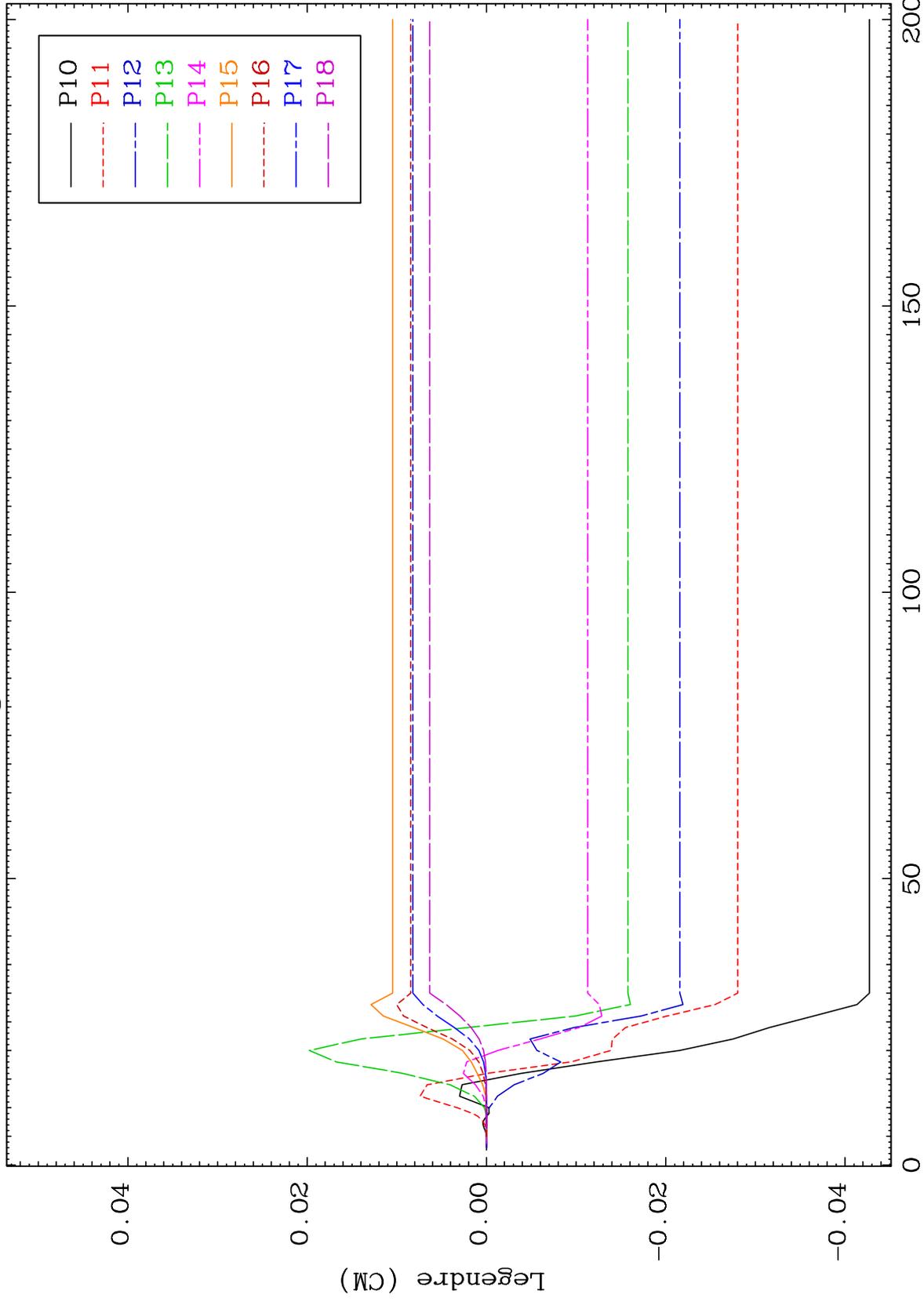




MAT 4443

1.581 MeV (n,n') Level
Legendre Coefficients

44-Ru-102



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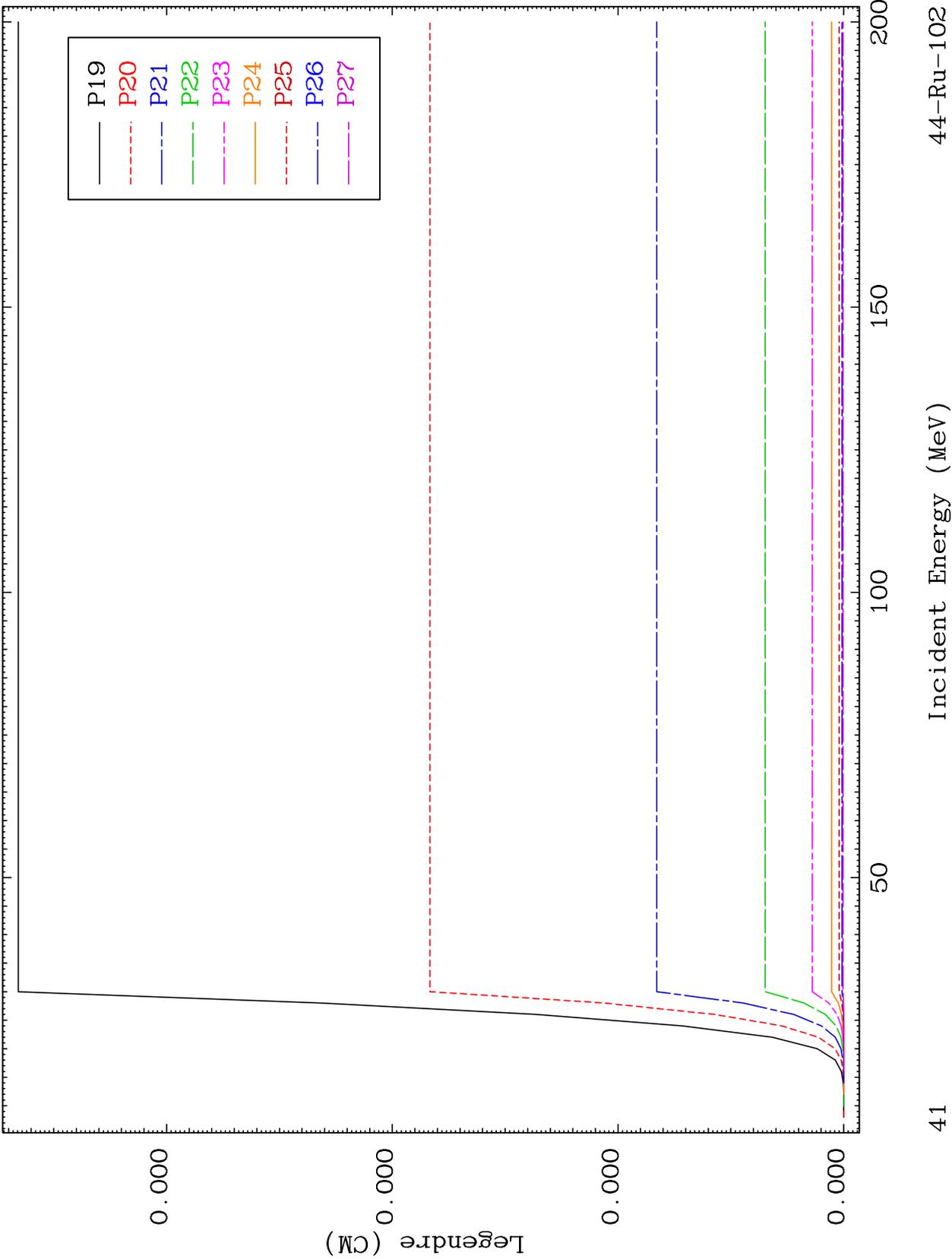
Incident Energy (MeV)

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MAT 4443

1.581 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



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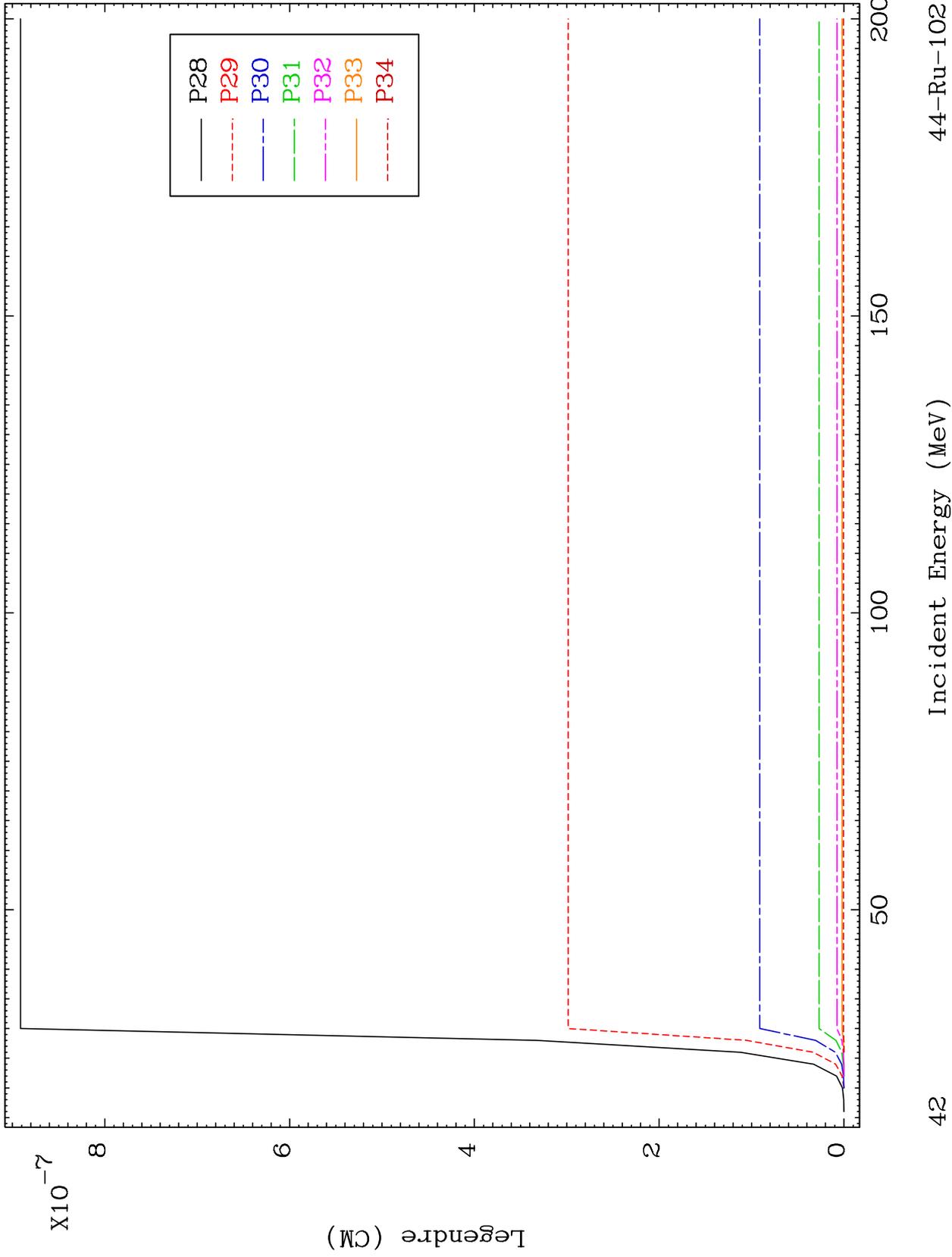
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MAT 4443

1.581 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



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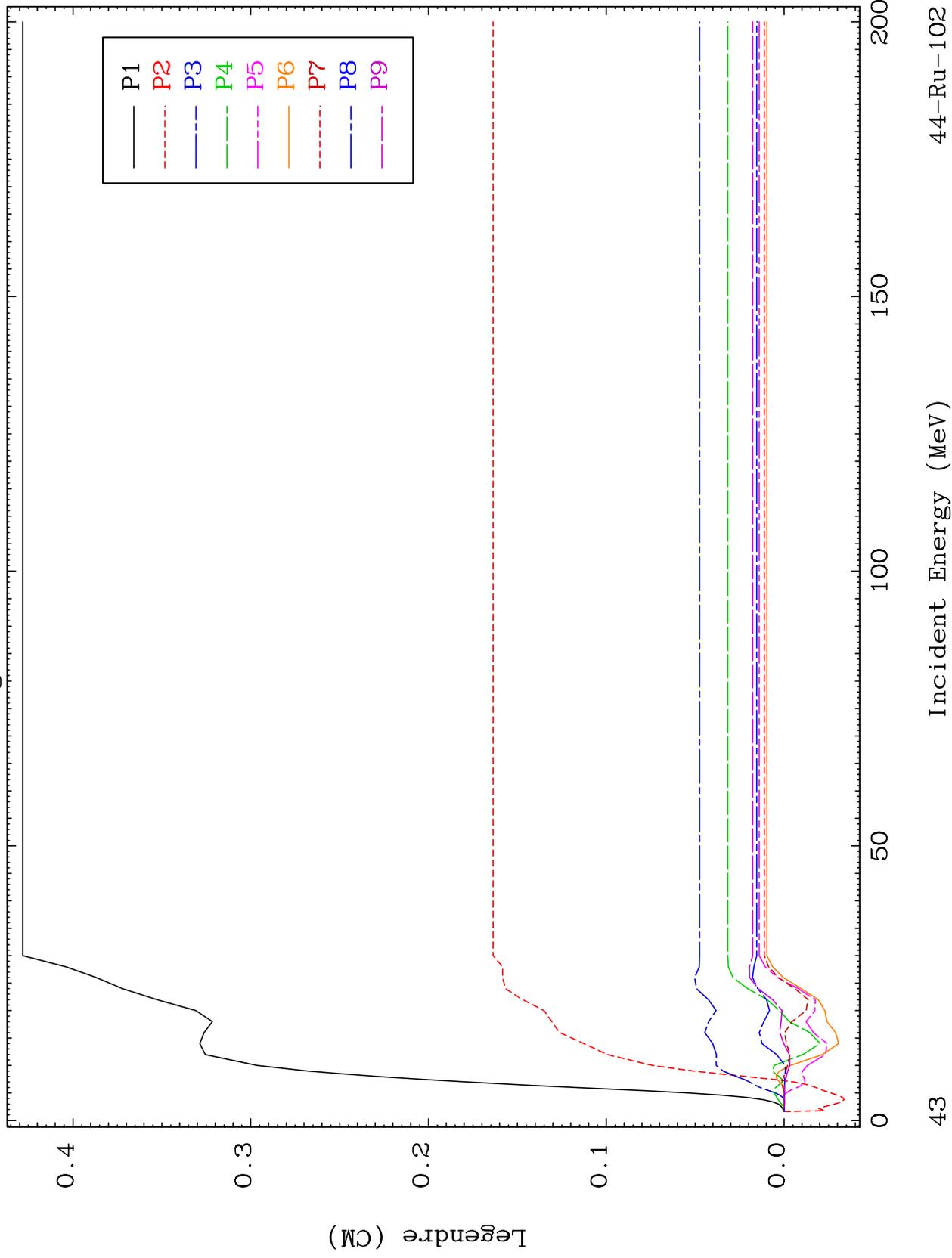
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MAT 4443

1.603 MeV (n,n') Level
Legendre Coefficients

44-Ru-102



44-Ru-102

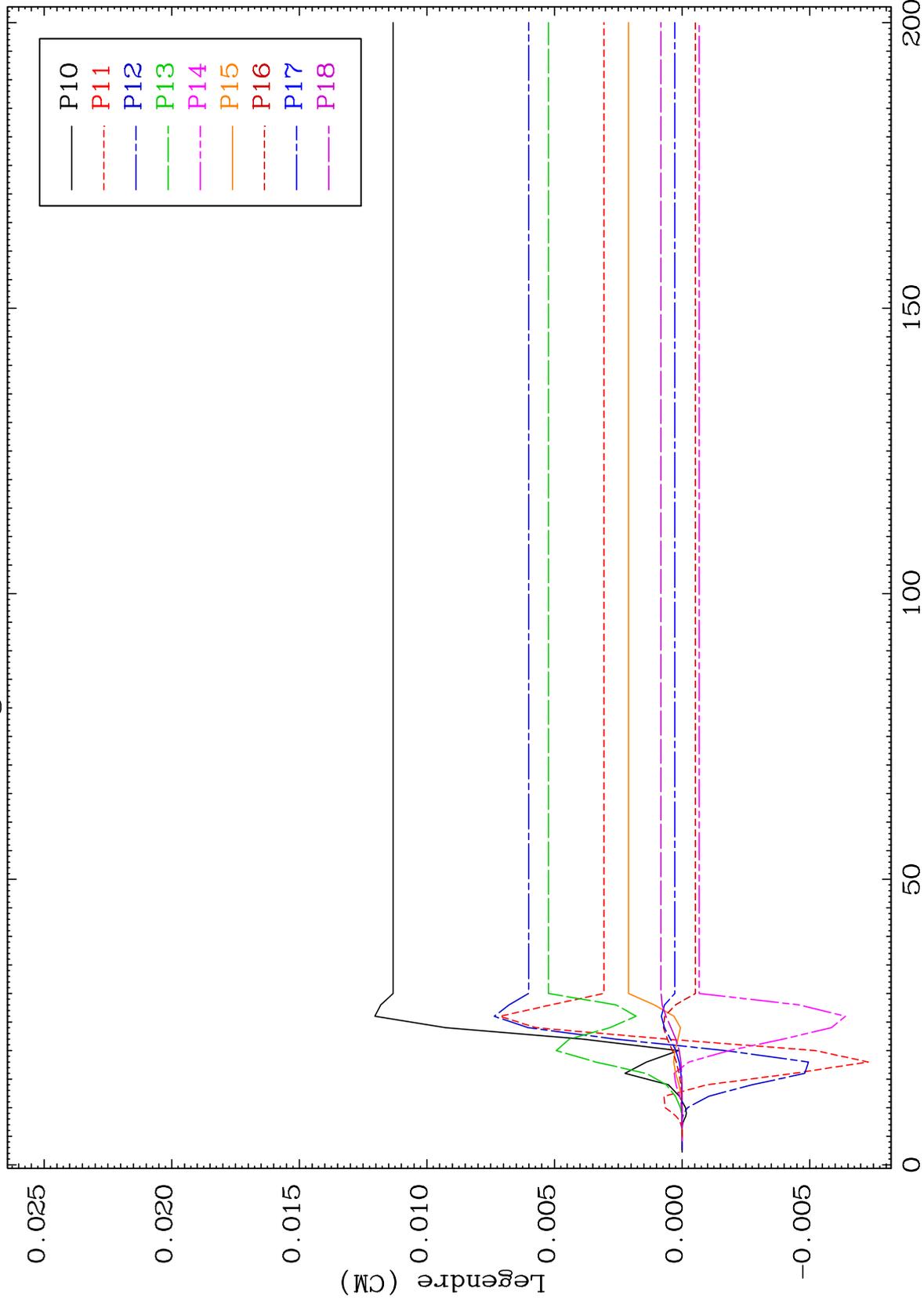
Incident Energy (MeV)

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MAT 4443

1.603 MeV (n,n') Level
Legendre Coefficients

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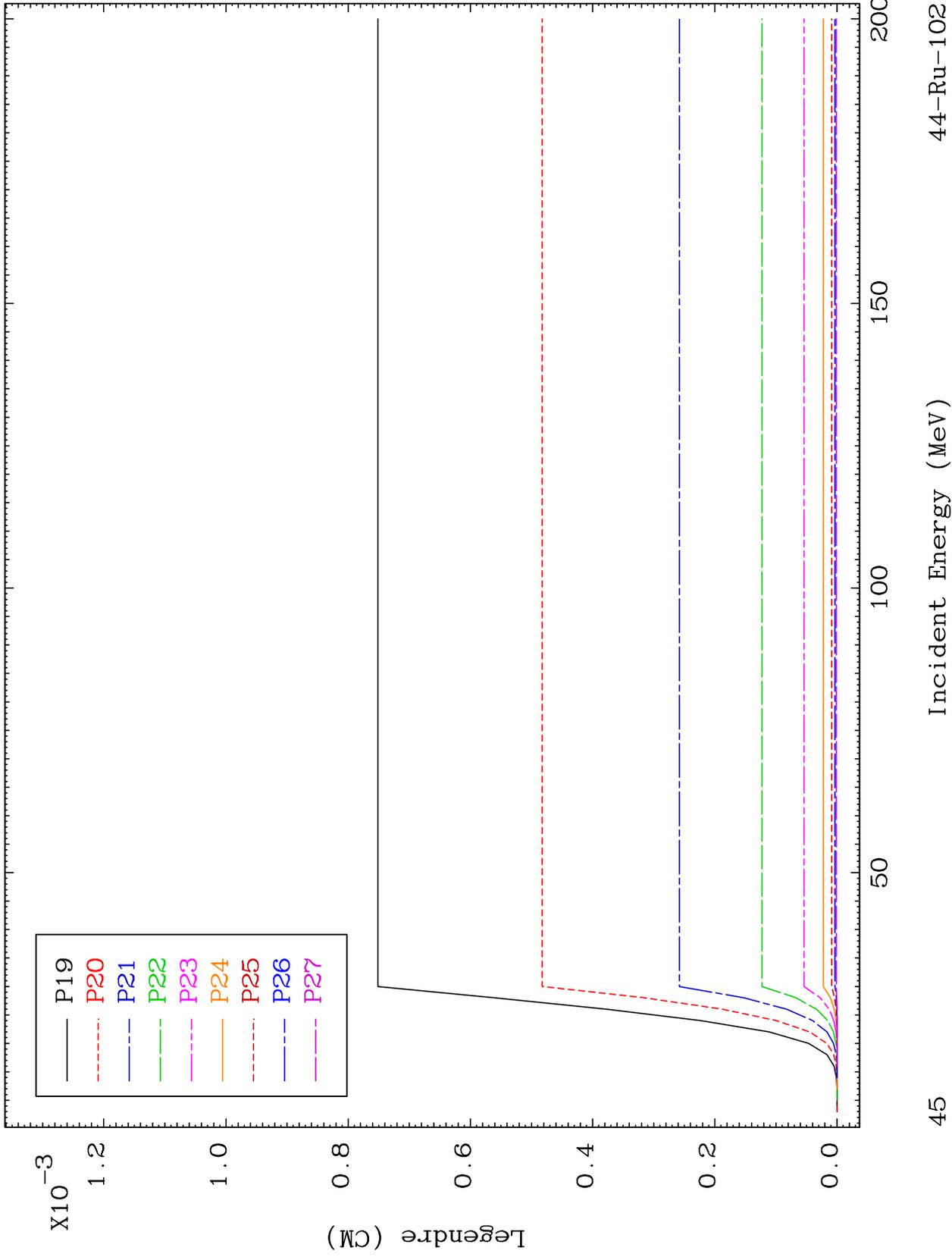
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MAT 4443

1.603 MeV (n,n') Level
Legendre Coefficients

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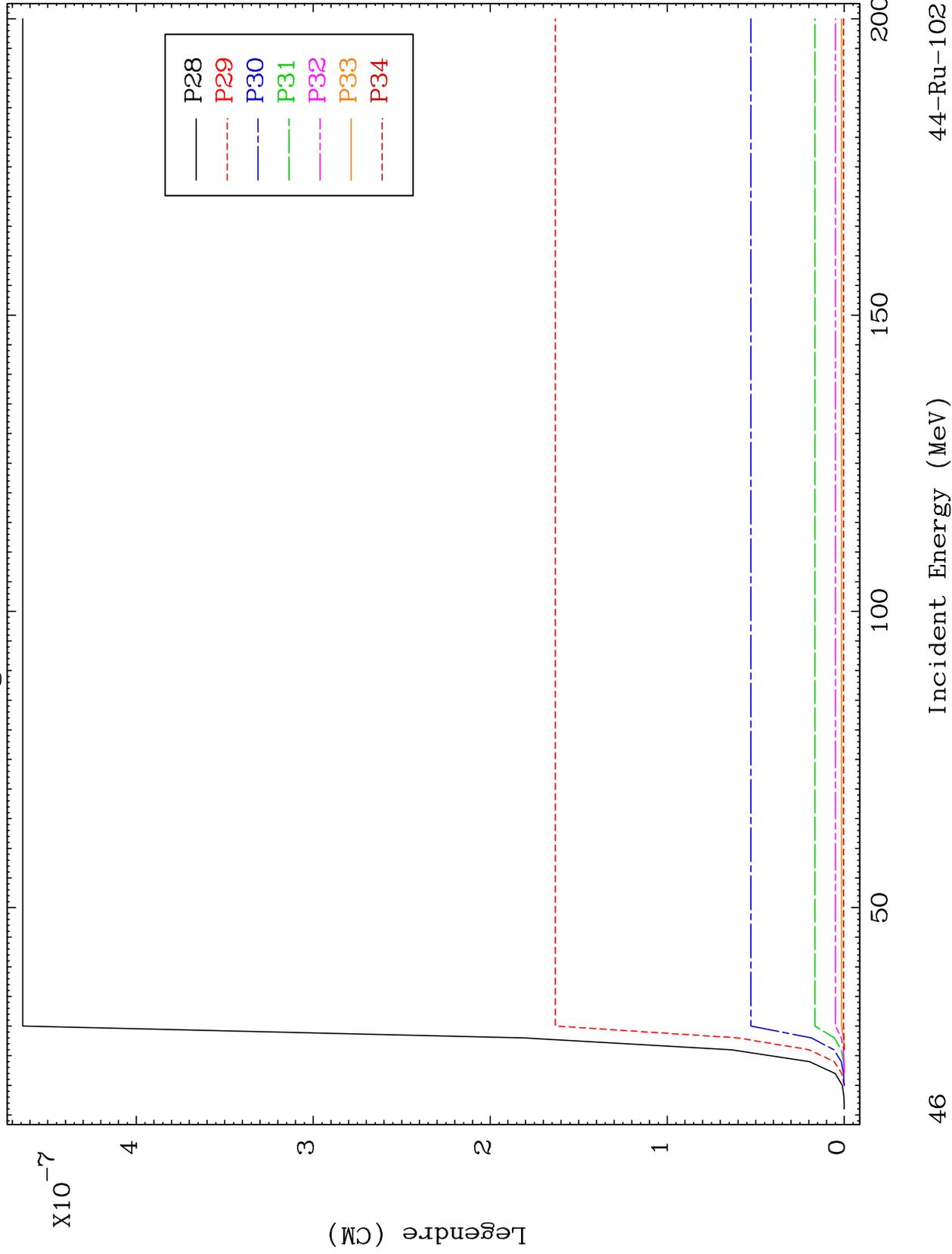
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1.603 MeV (n,n') Level
Legendre Coefficients

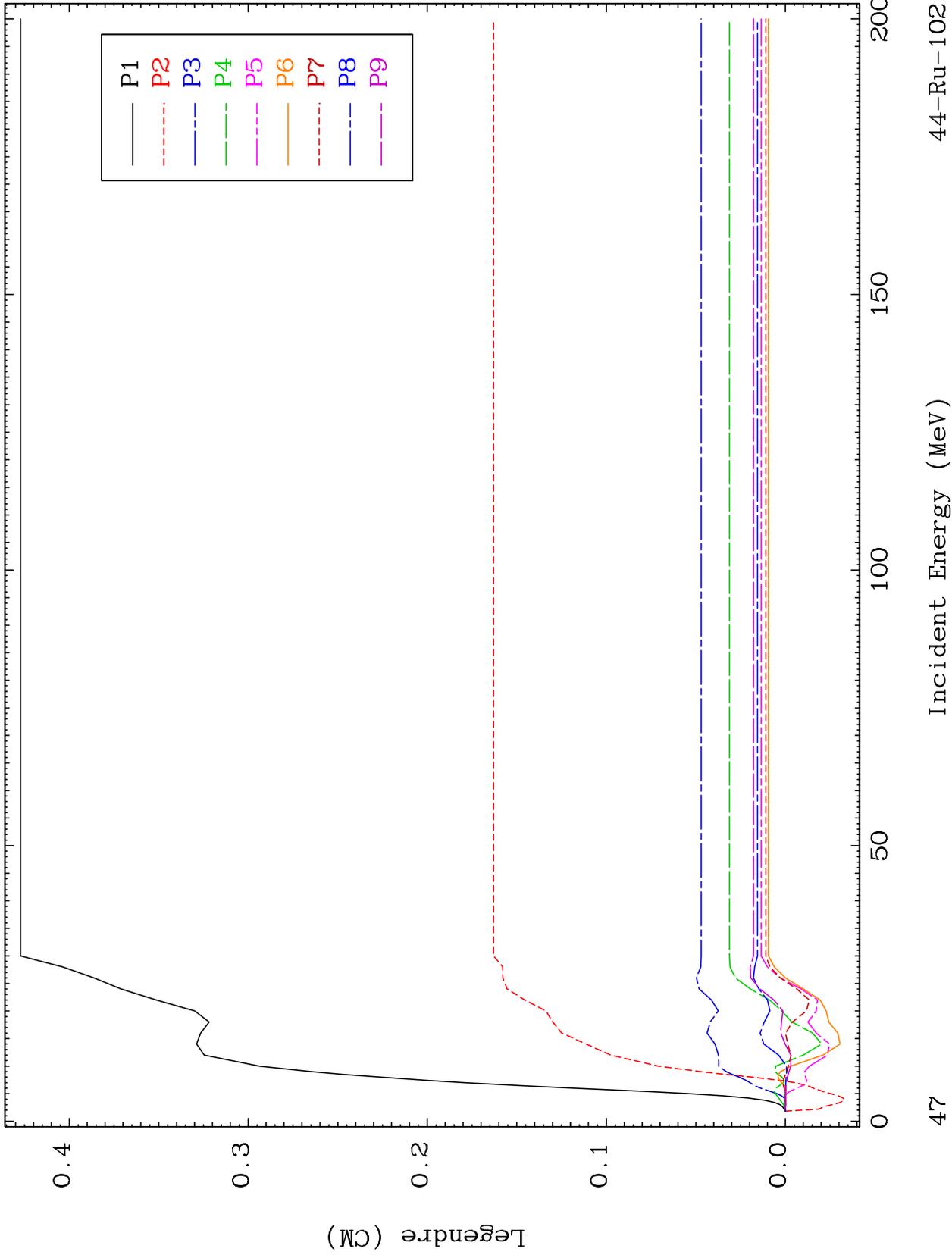
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MAT 4443

1.799 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



47

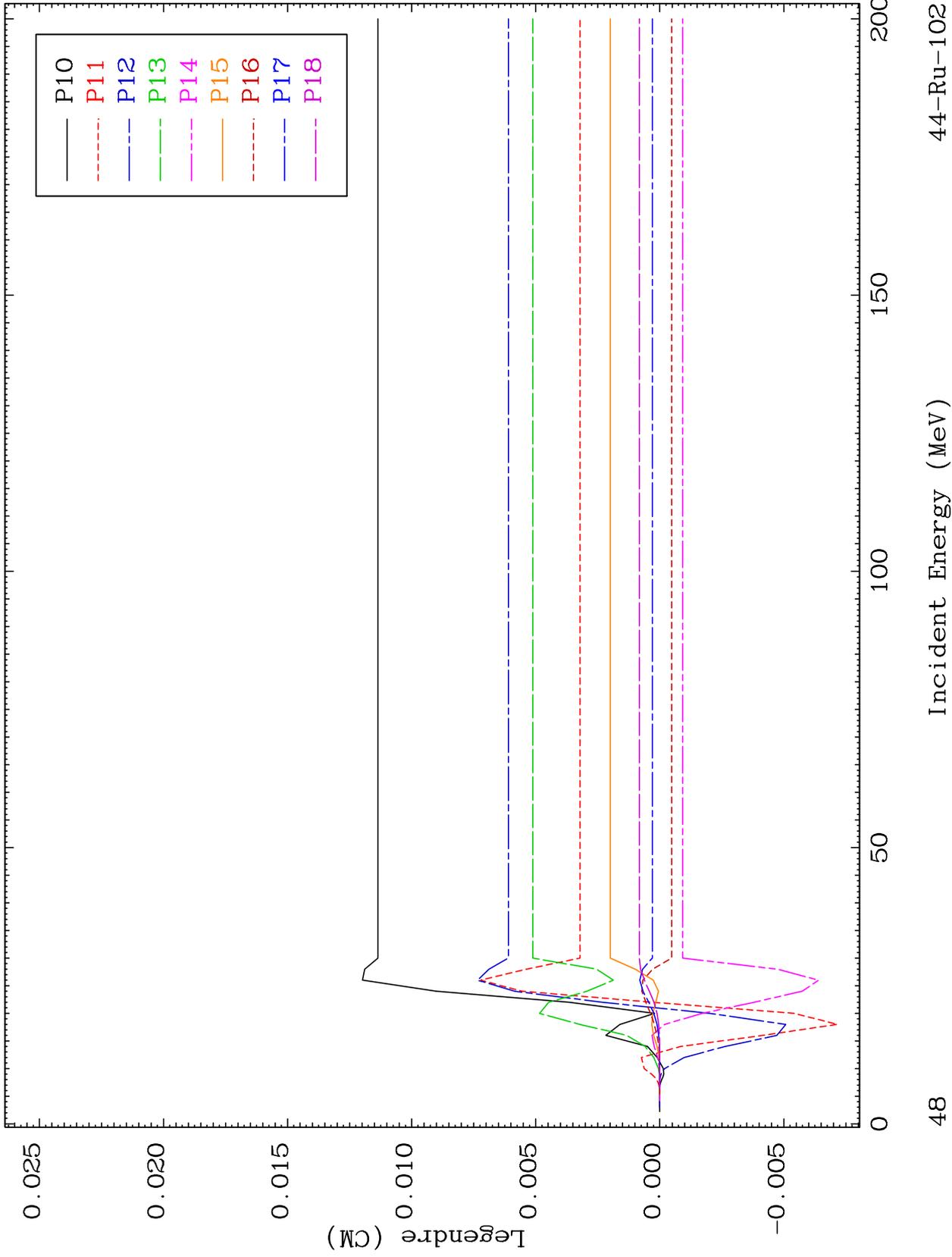
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MAT 4443

1.799 MeV (n, n') Level
Legendre Coefficients

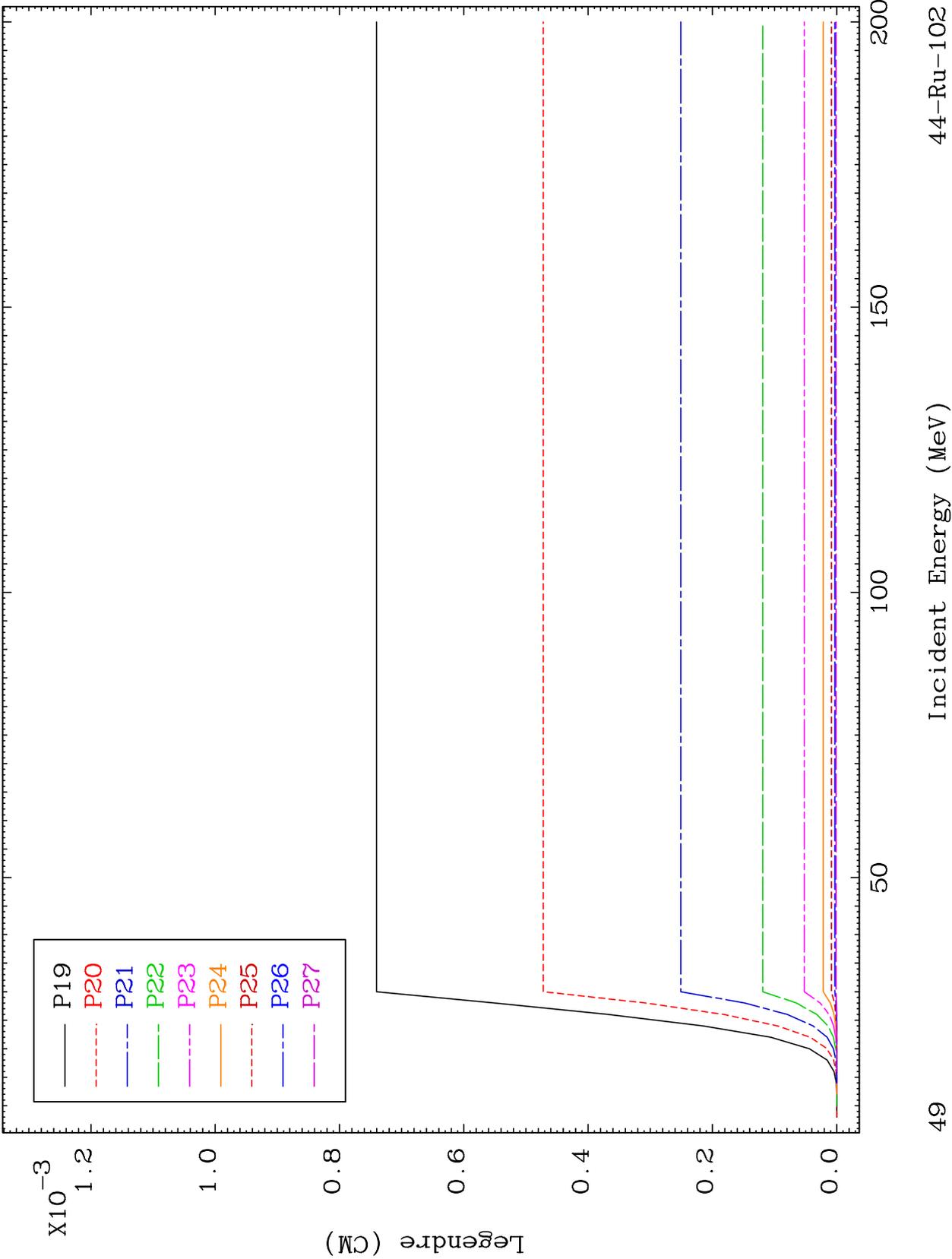
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48

Incident Energy (MeV)

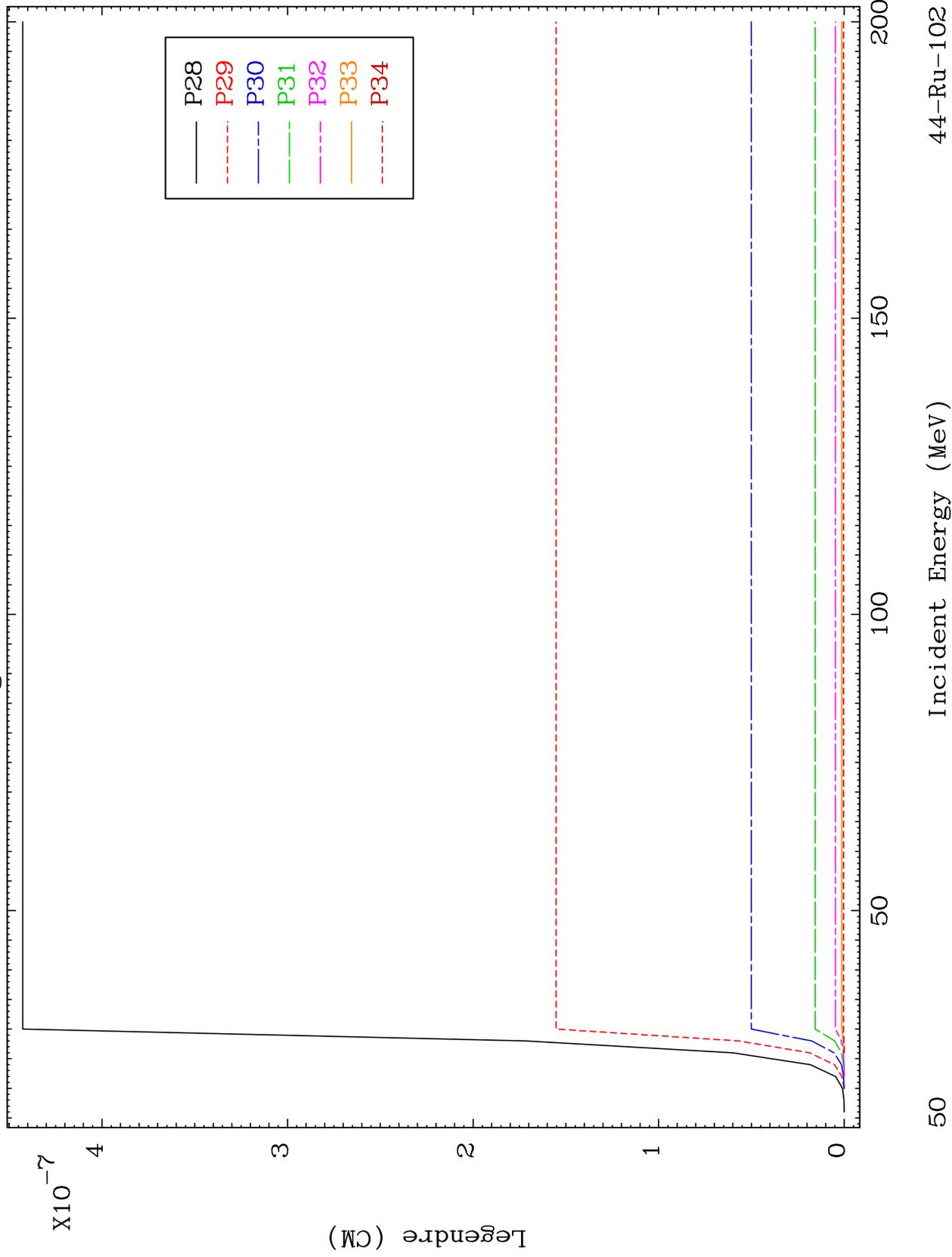
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MAT 4443

1.799 MeV (n,n') Level
Legendre Coefficients

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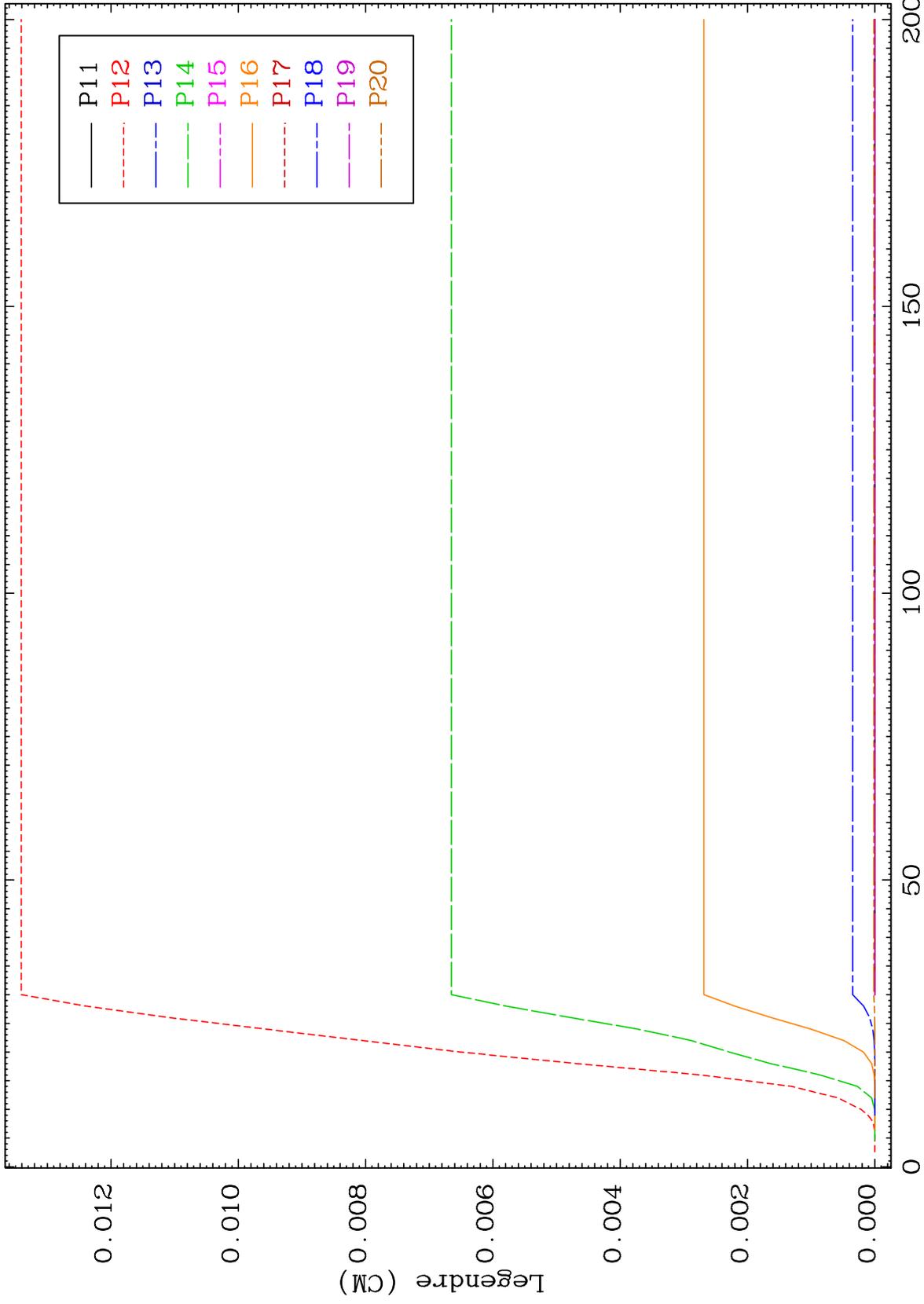


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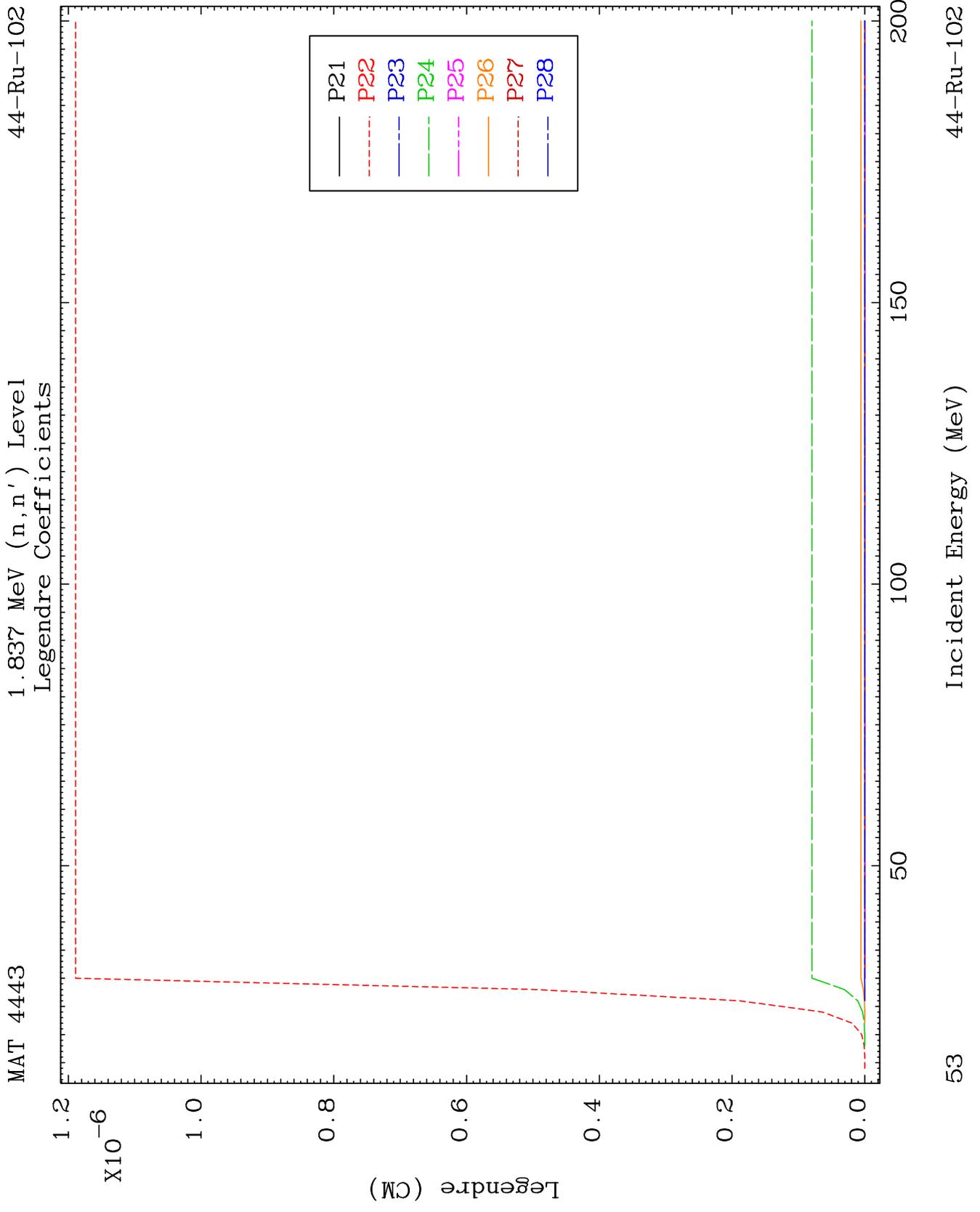
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Incident Energy (MeV)

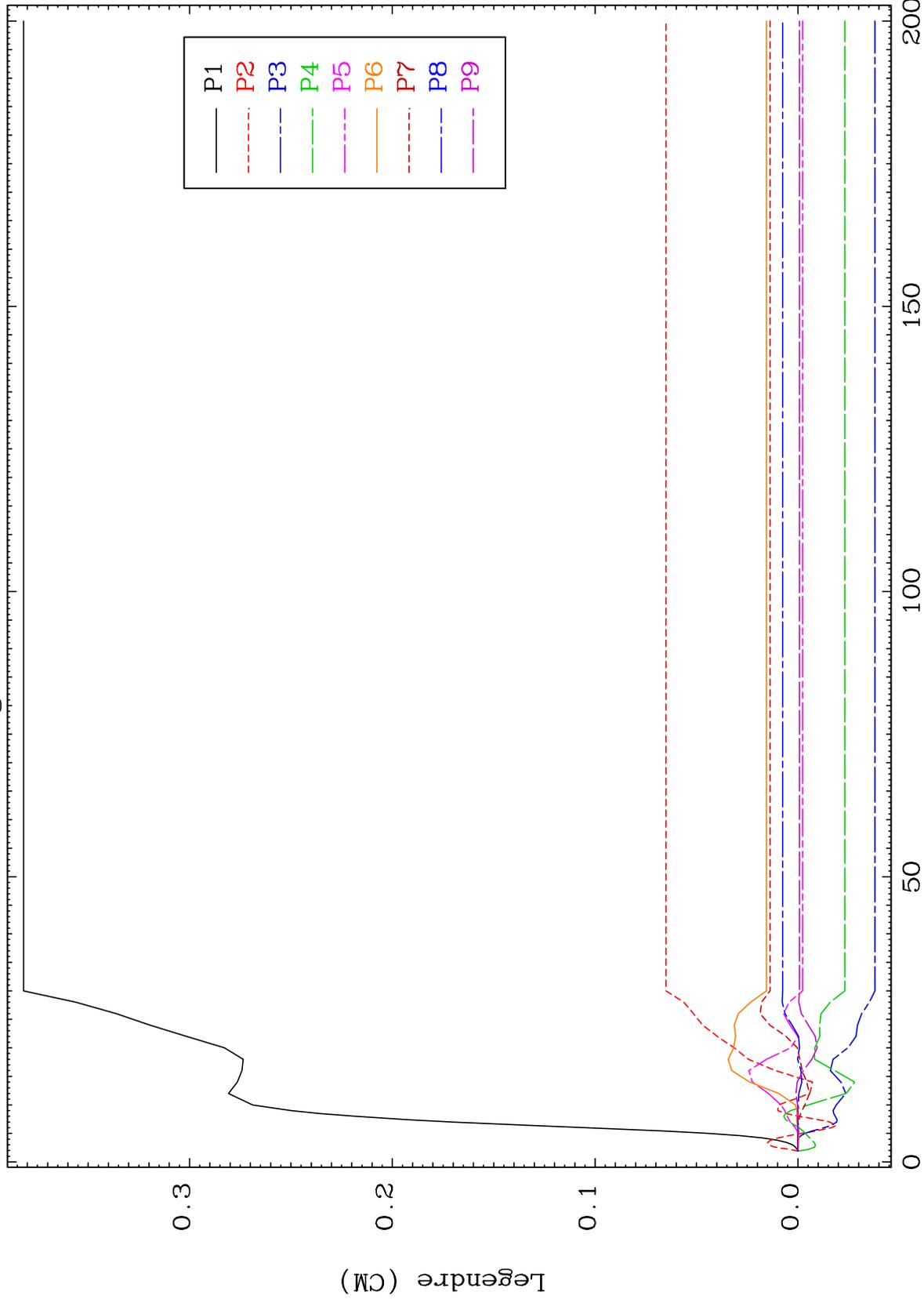
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MAT 4443

1.873 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



54

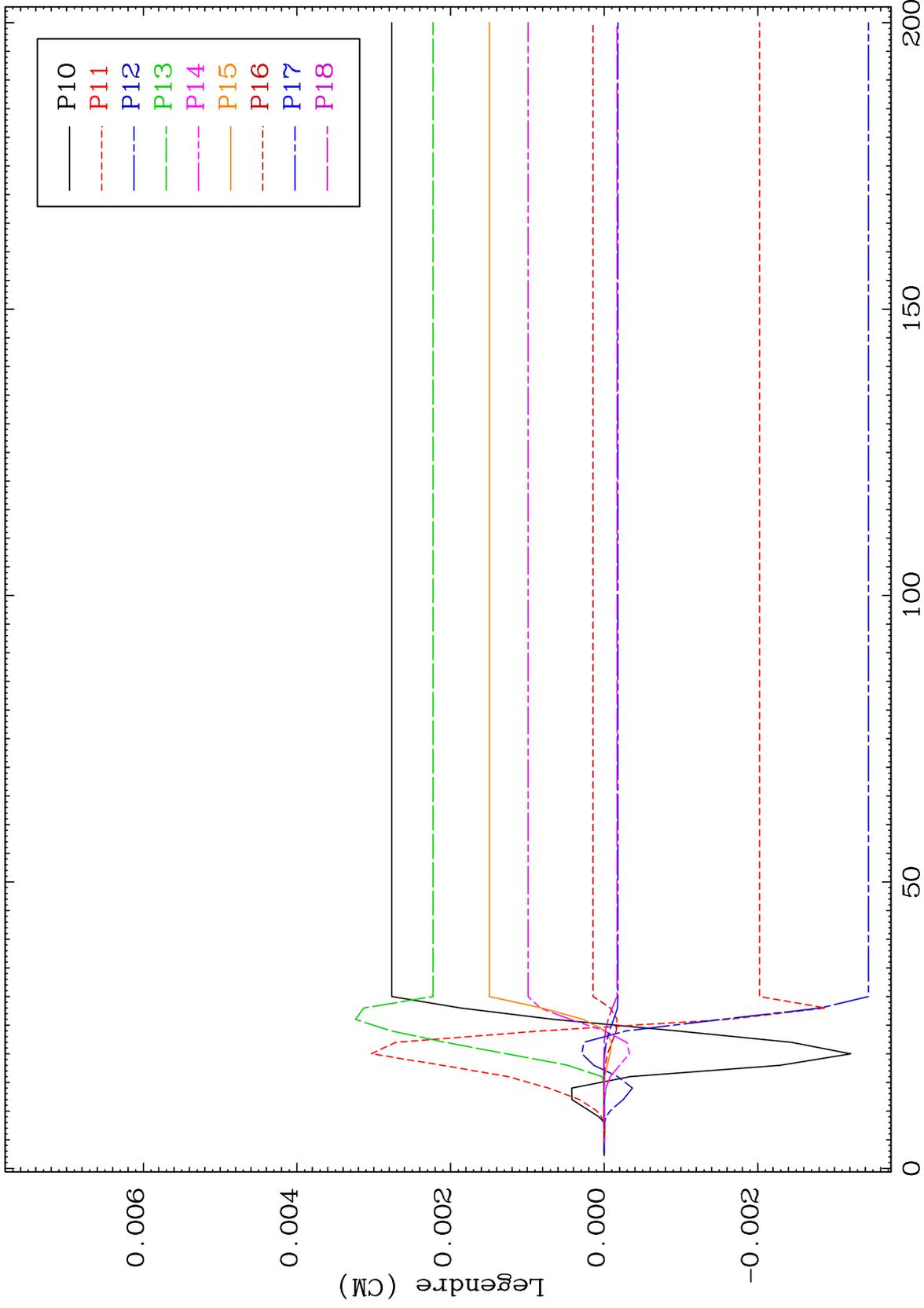
Incident Energy (MeV)

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MAT 4443

1.873 MeV (n, n') Level
Legendre Coefficients

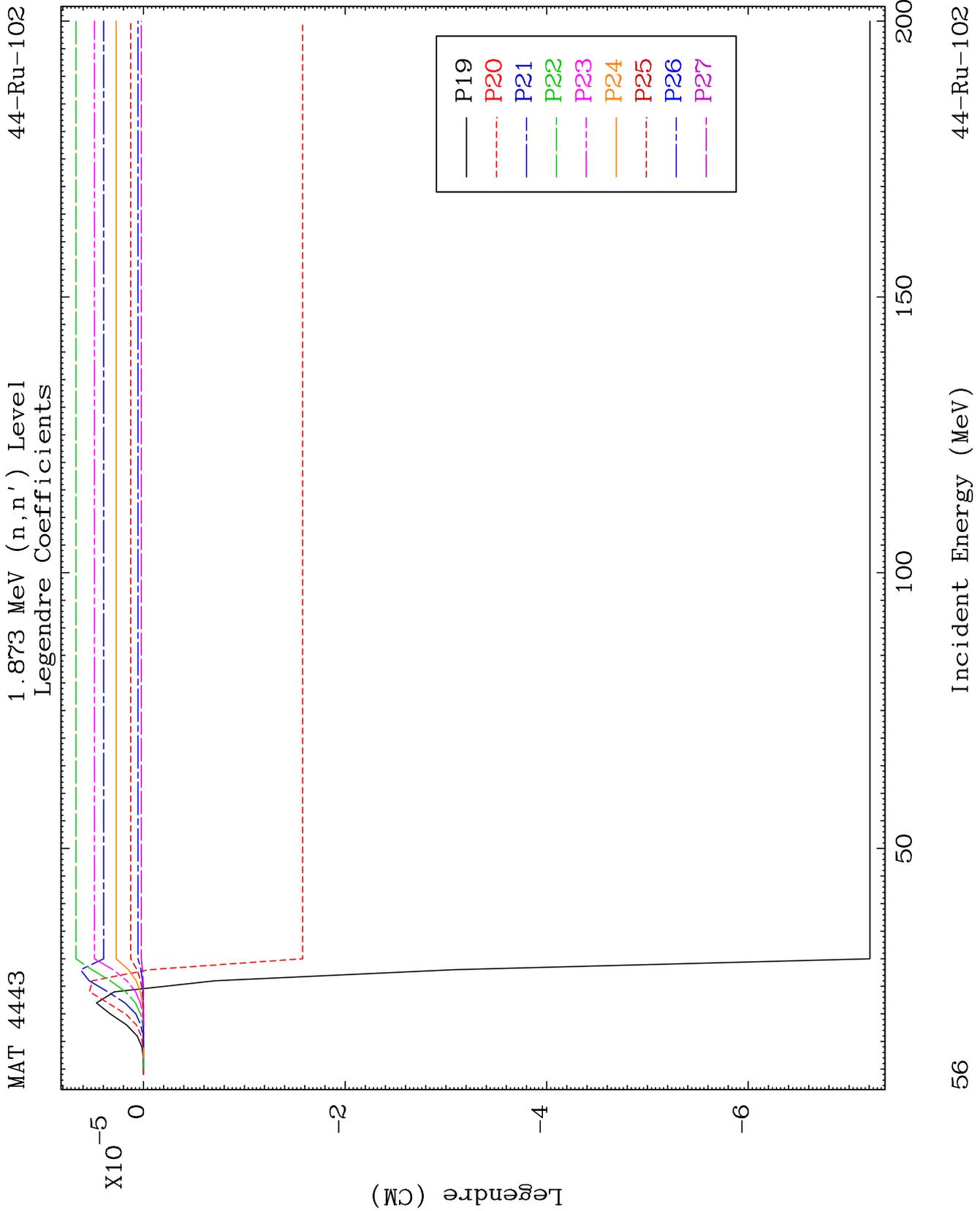
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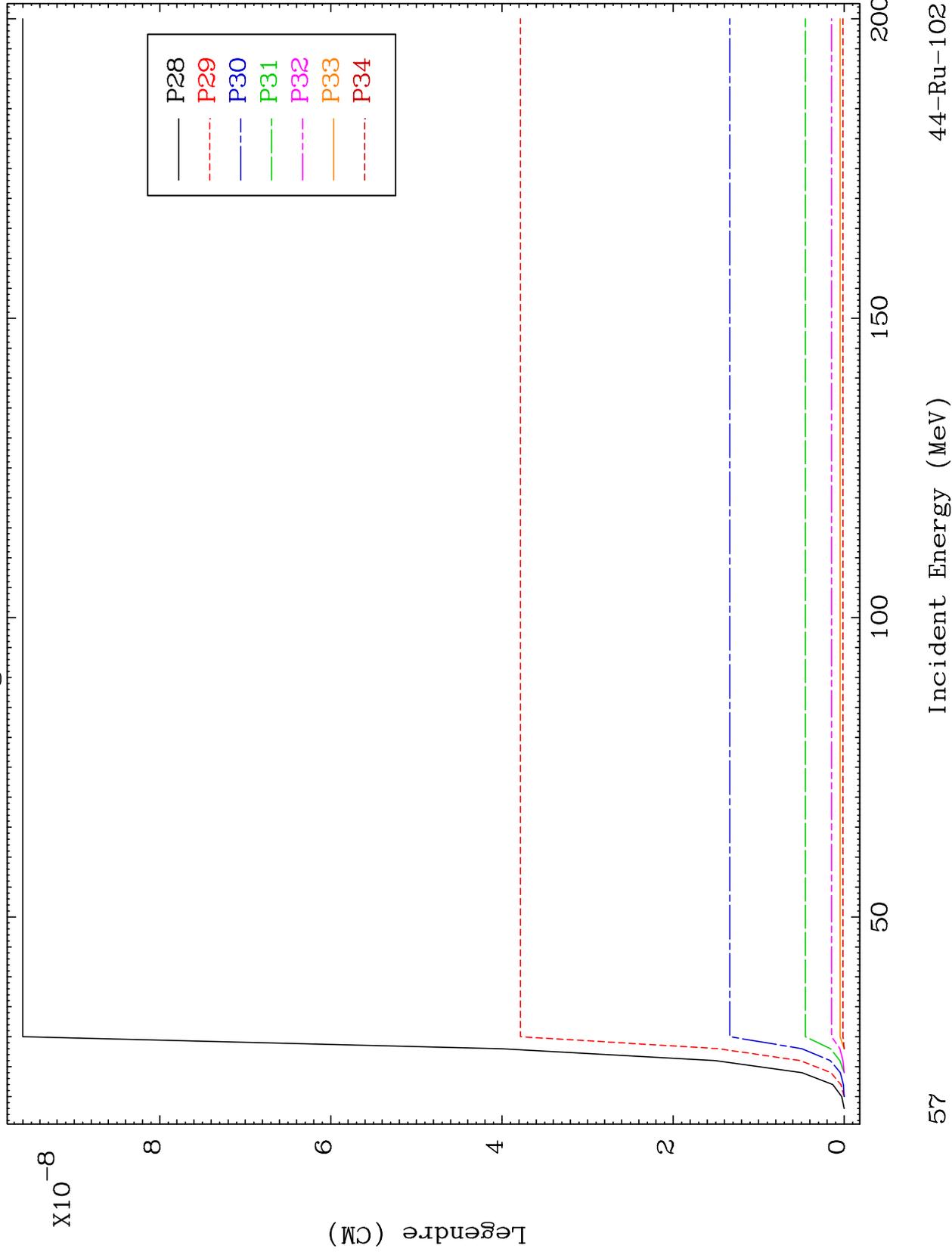
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MAT 4443

1.873 MeV (n, n') Level
Legendre Coefficients

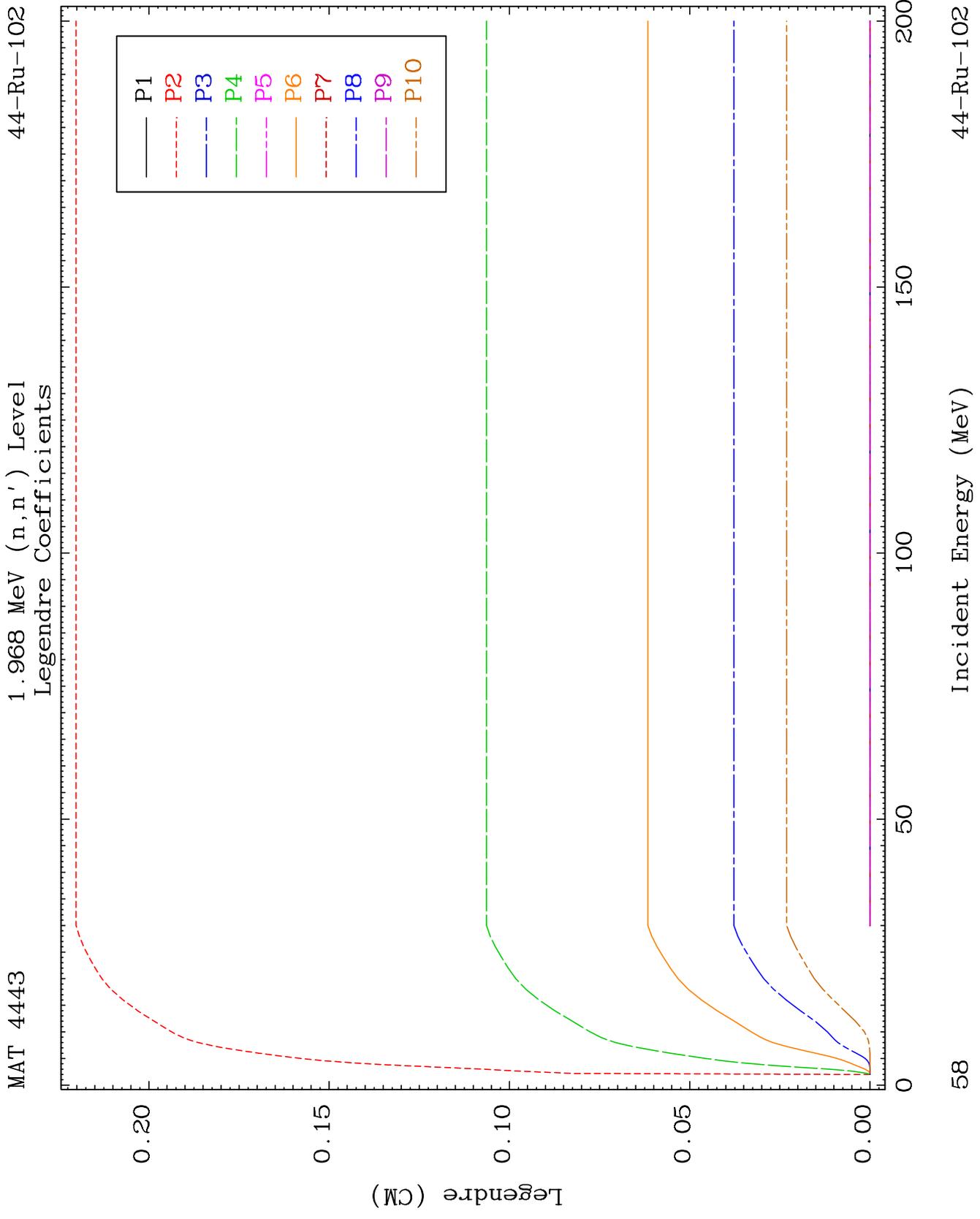
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Incident Energy (MeV)

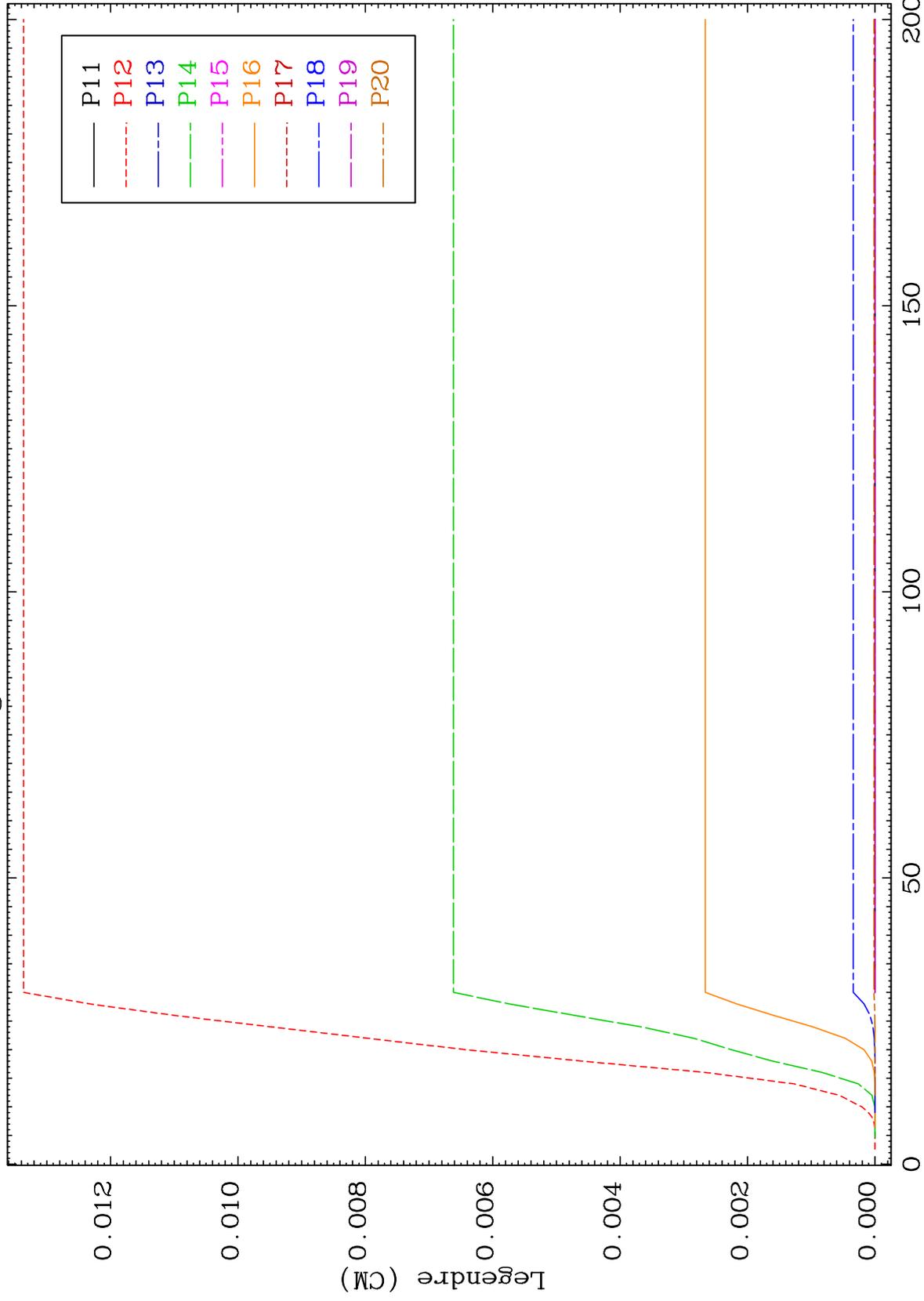
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MAT 4443

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Legendre Coefficients

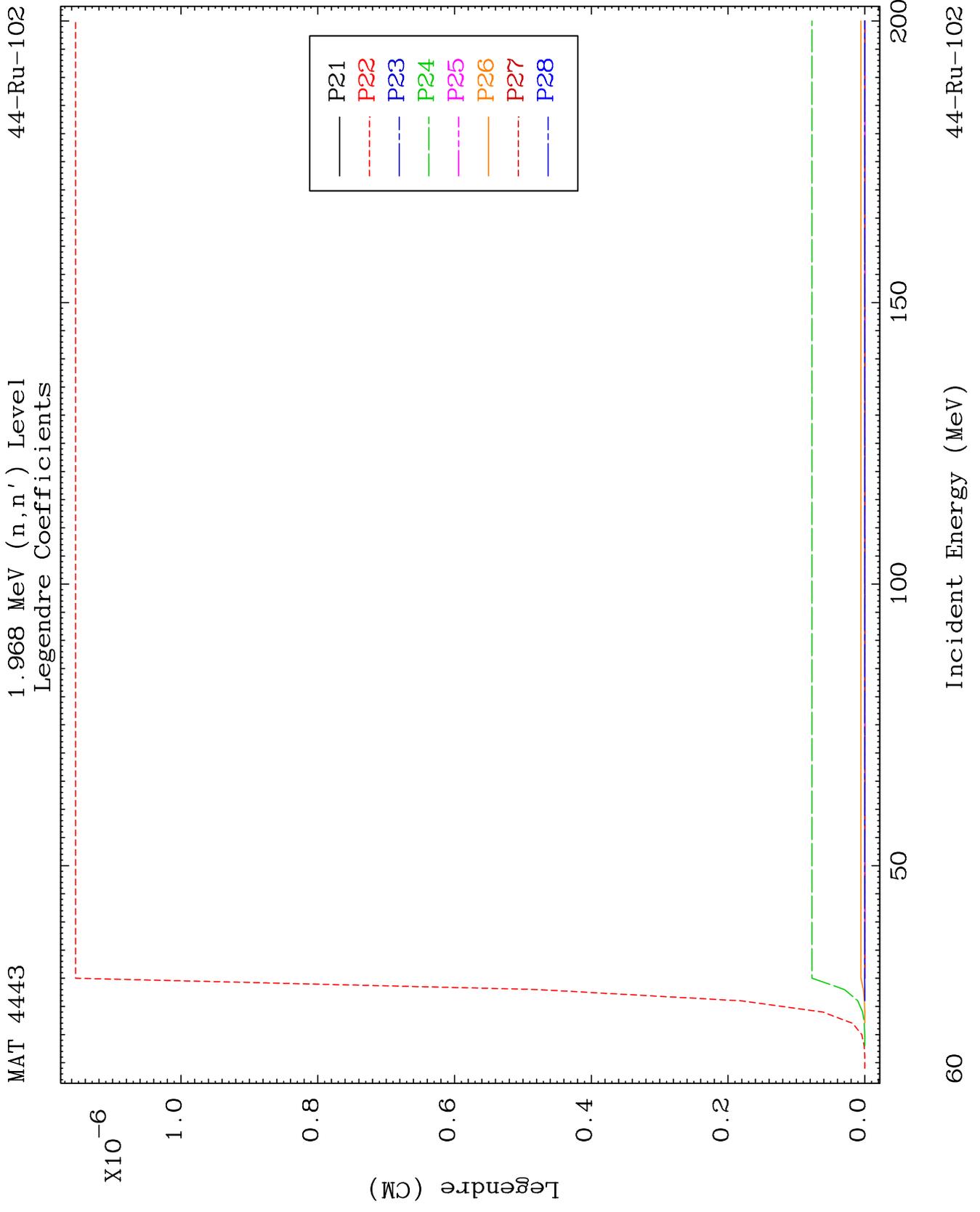
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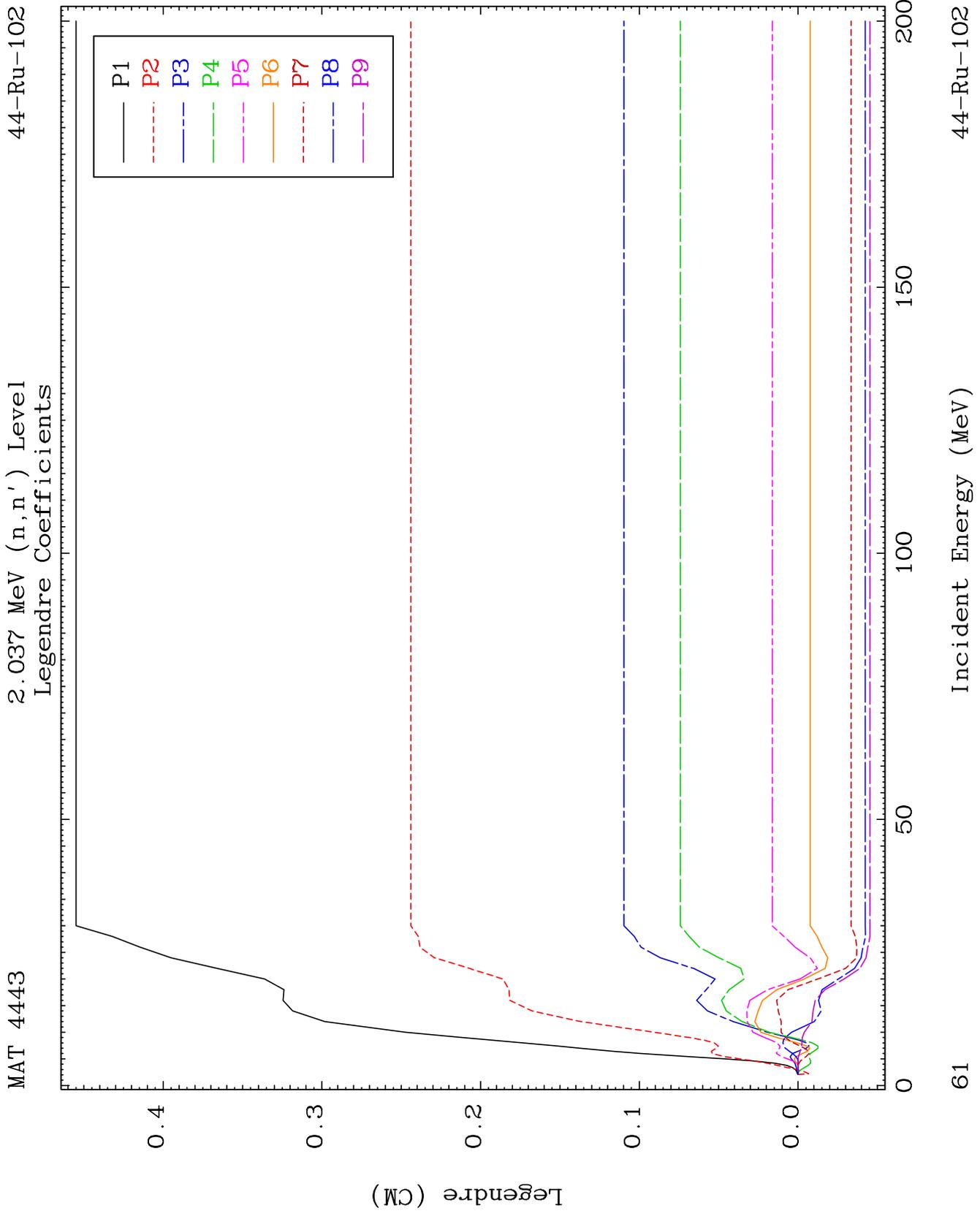


44-Ru-102

Incident Energy (MeV)

59

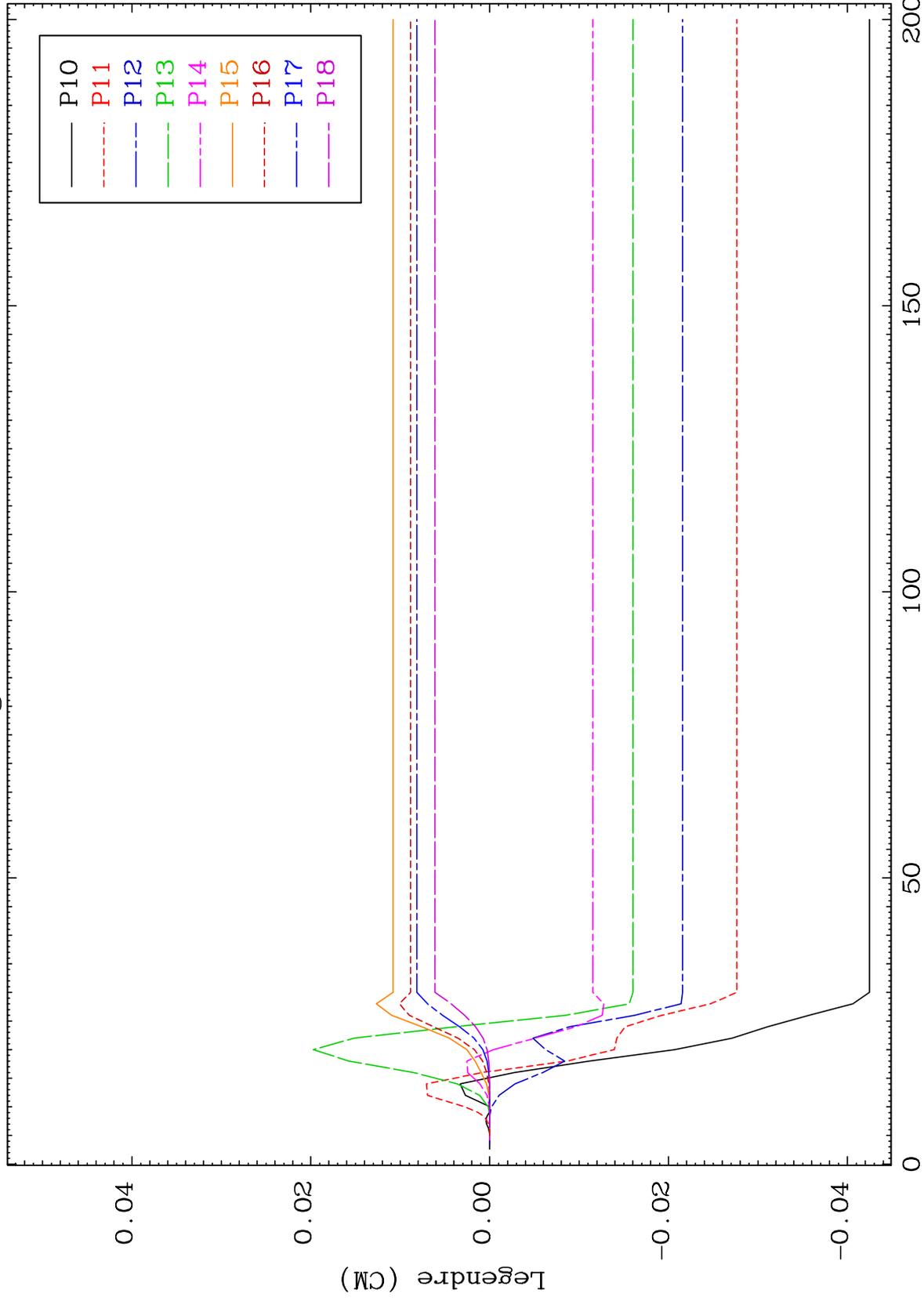




MAT 4443

2.037 MeV (n,n') Level
Legendre Coefficients

44-Ru-102



62

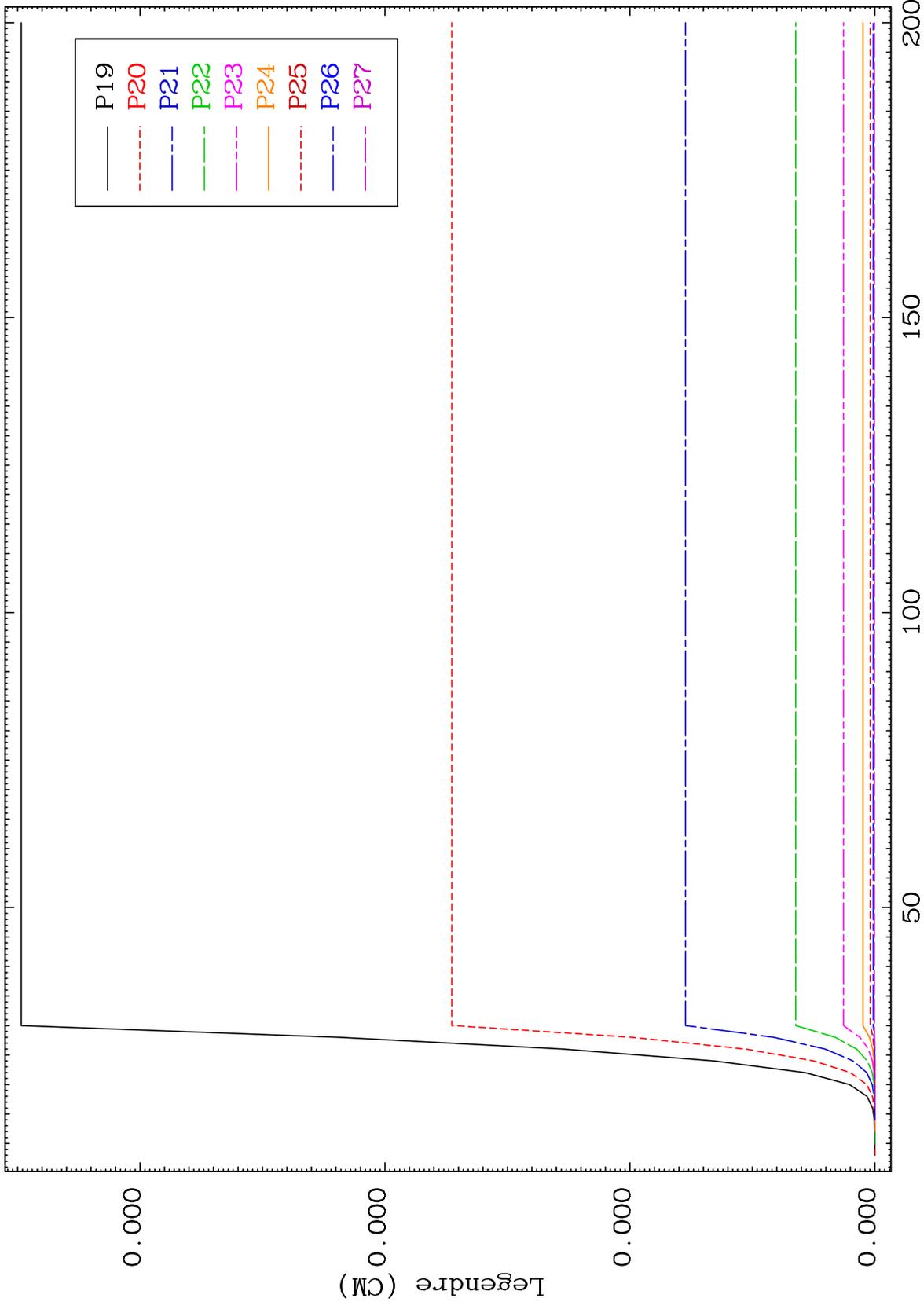
Incident Energy (MeV)

44-Ru-102

MAT 4443

2.037 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



63

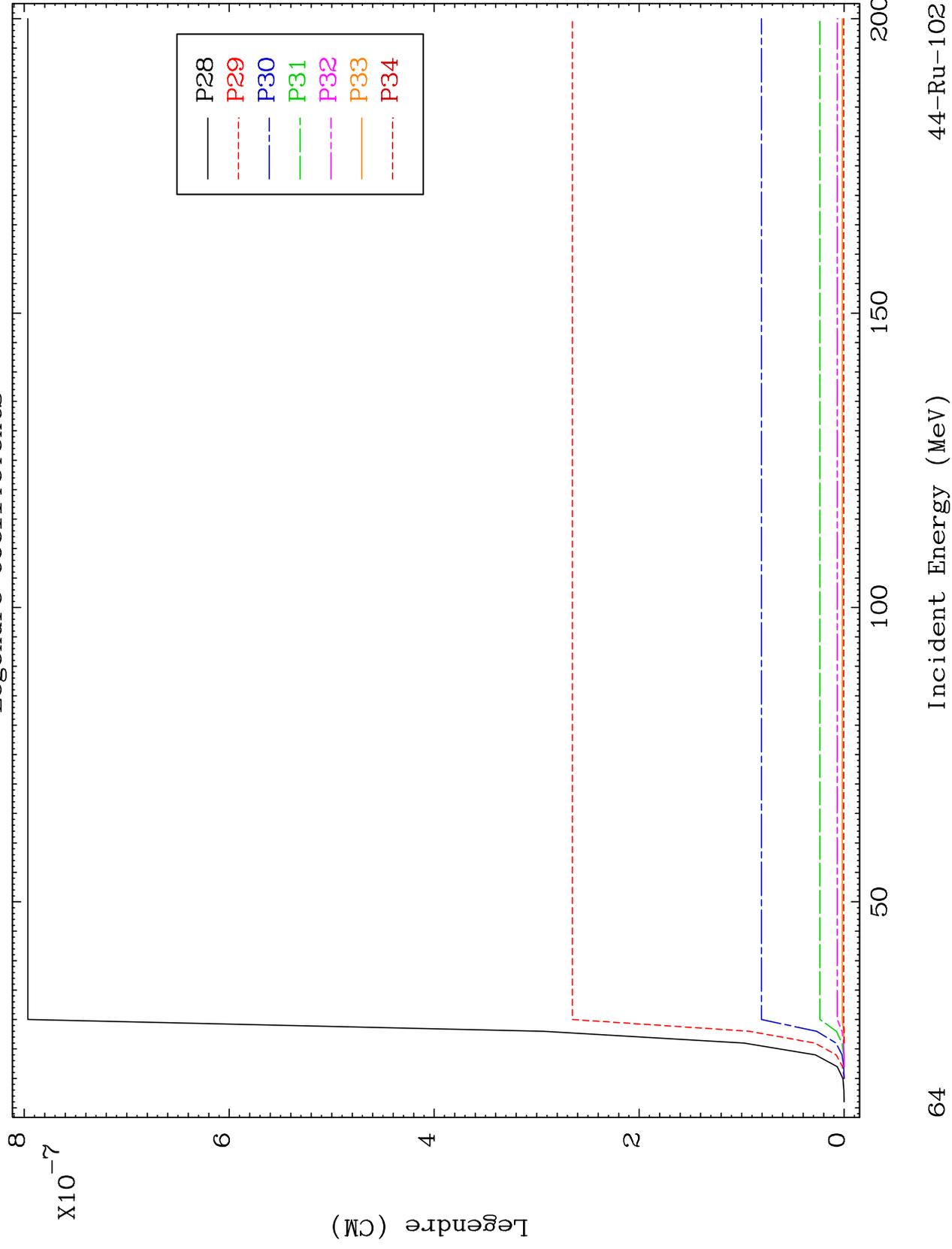
Incident Energy (MeV)

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MAT 4443

2.037 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



64

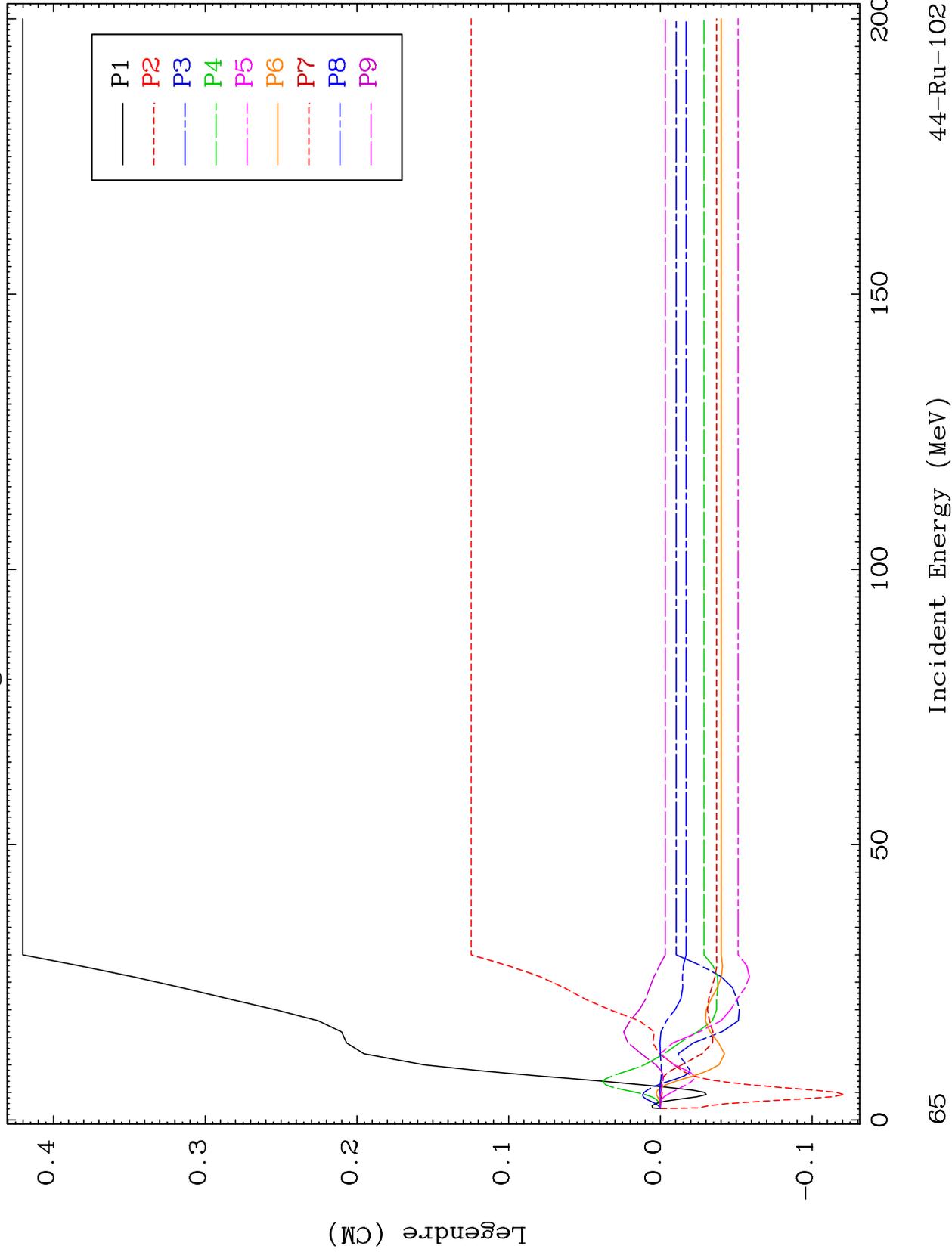
Incident Energy (MeV)

44-Ru-102

MAT 4443

2.043 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



44-Ru-102

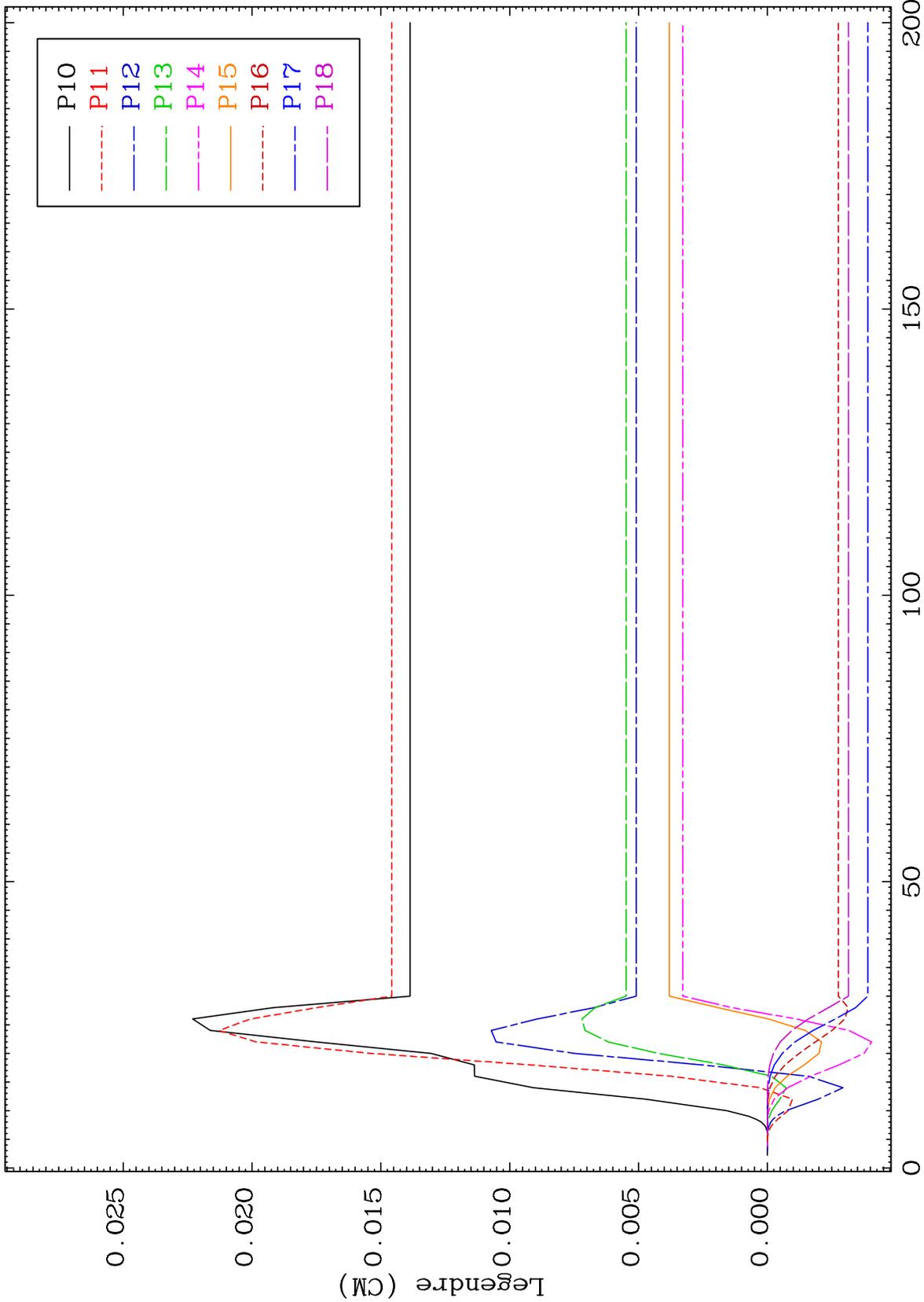
Incident Energy (MeV)

65

MAT 4443

2.043 MeV (n,n') Level
Legendre Coefficients

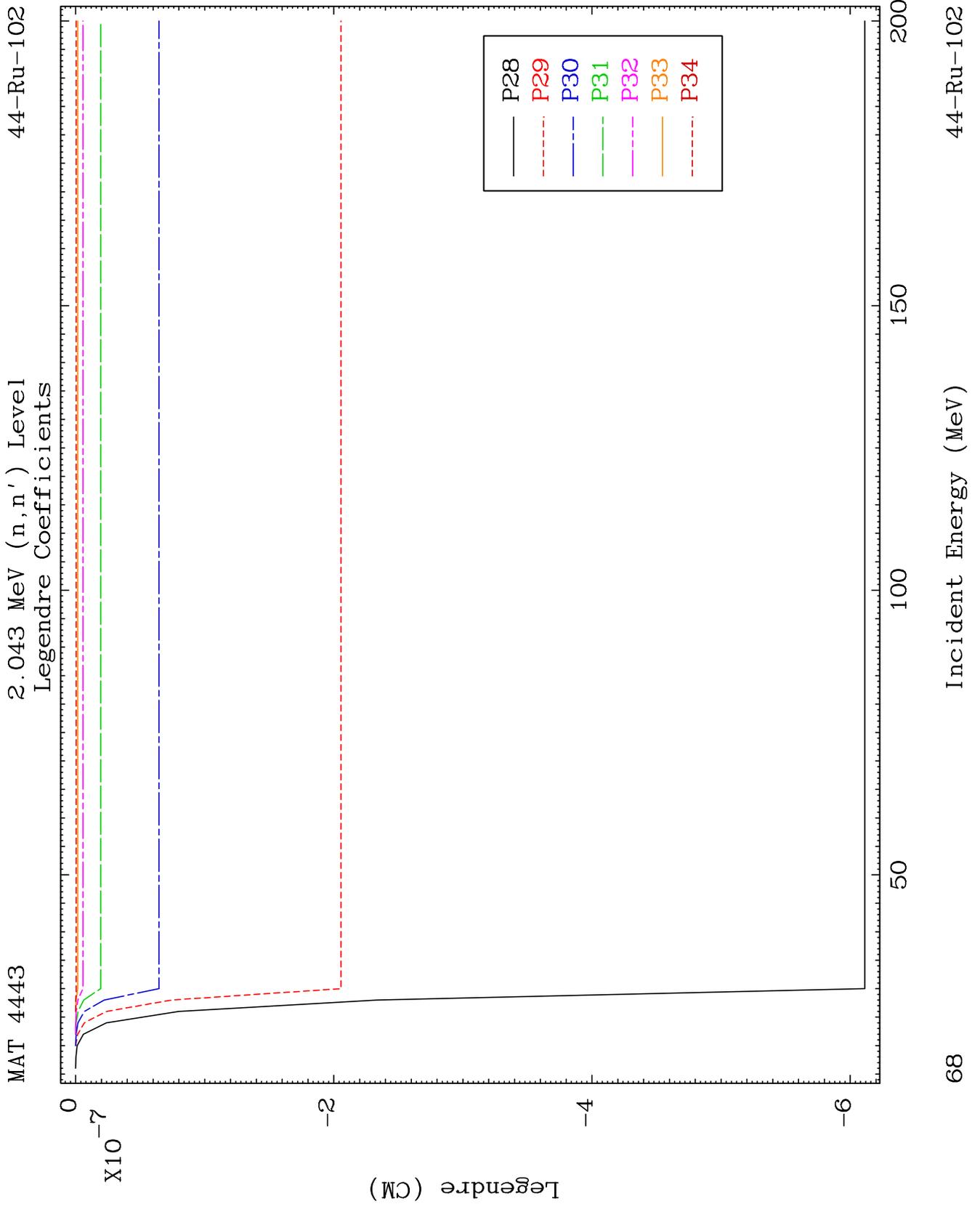
44-Ru-102

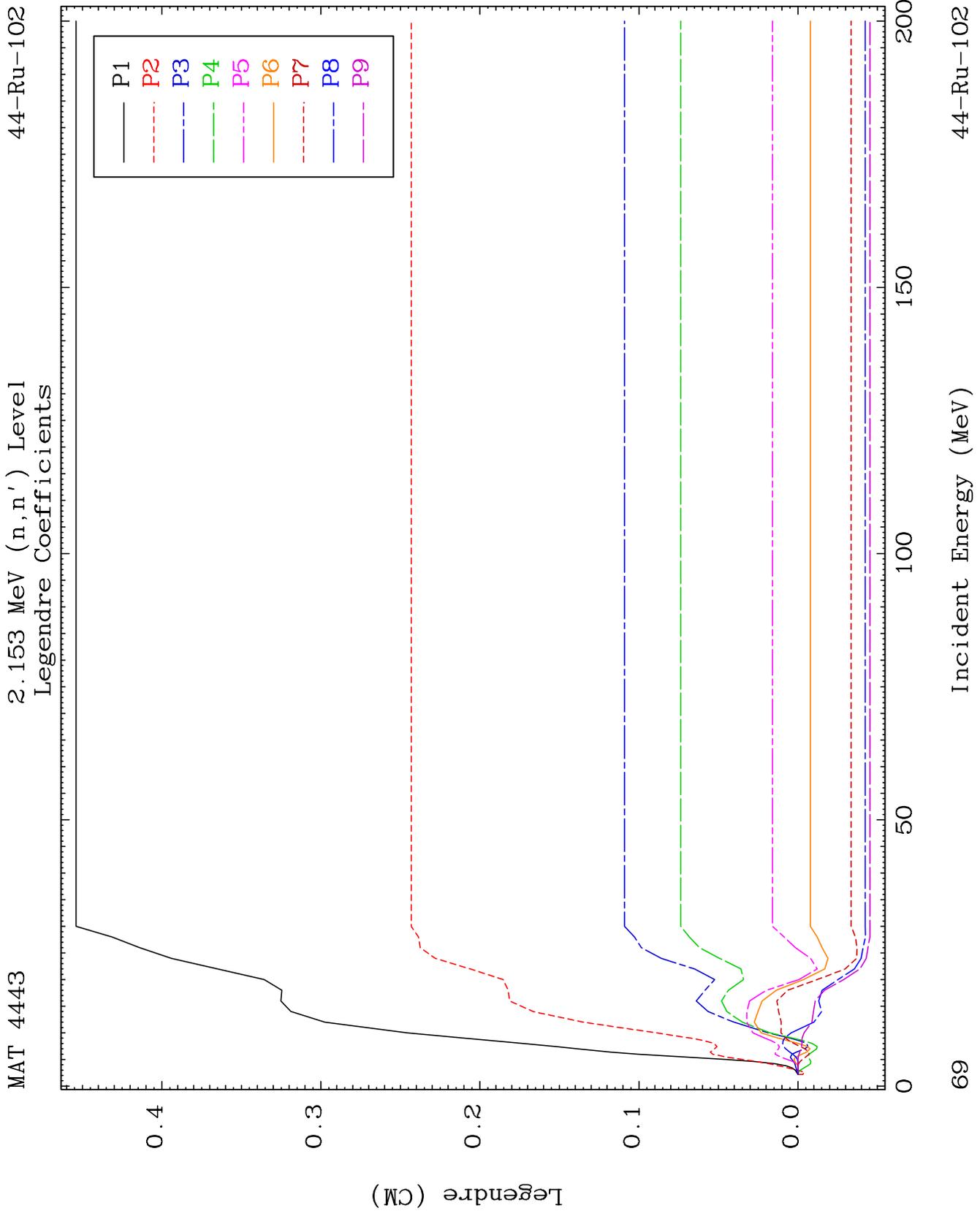


66

Incident Energy (MeV)

44-Ru-102

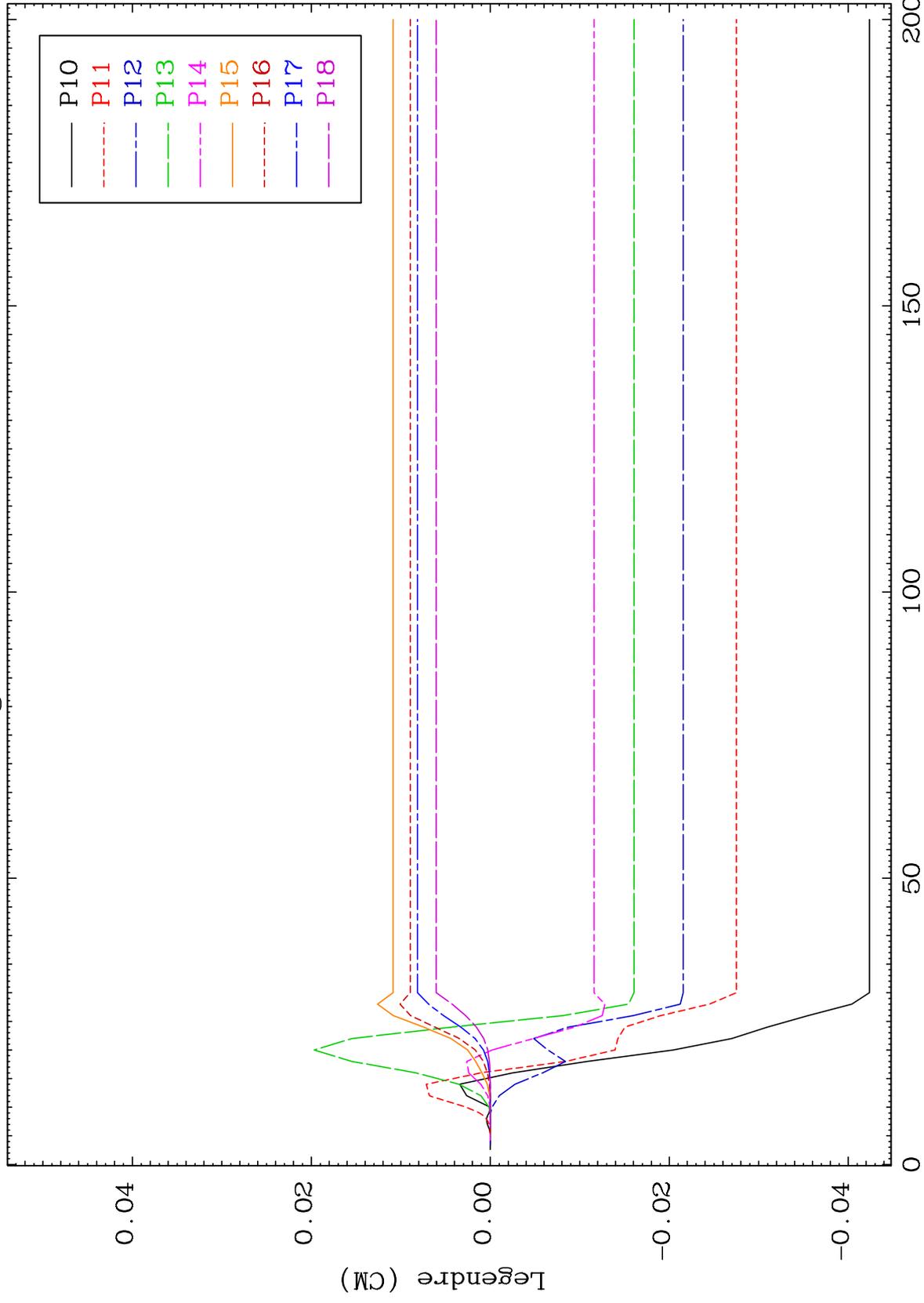




MAT 4443

2.153 MeV (n,n') Level
Legendre Coefficients

44-Ru-102



70

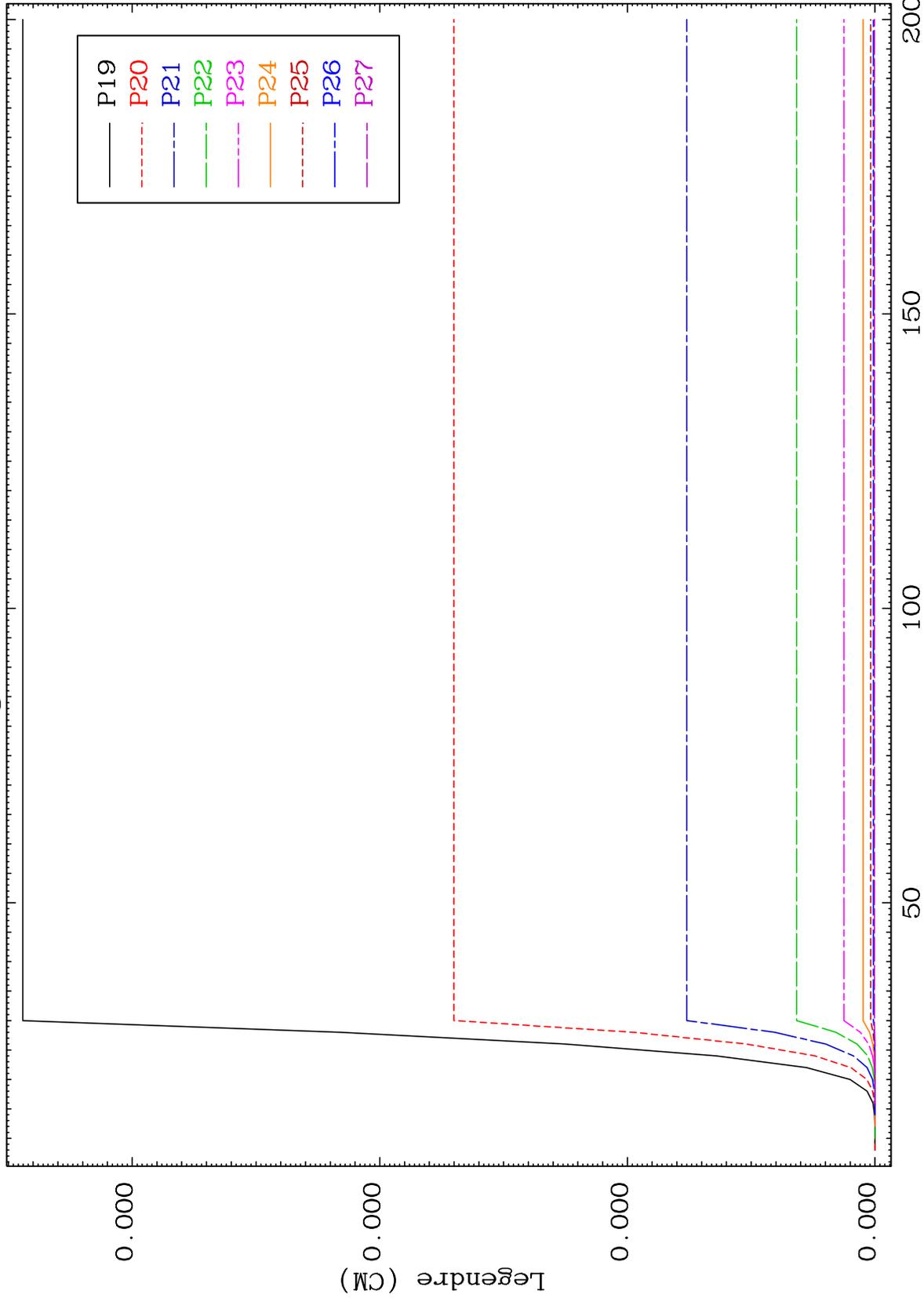
Incident Energy (MeV)

44-Ru-102

MAT 4443

2.153 MeV (n, n') Level
Legendre Coefficients

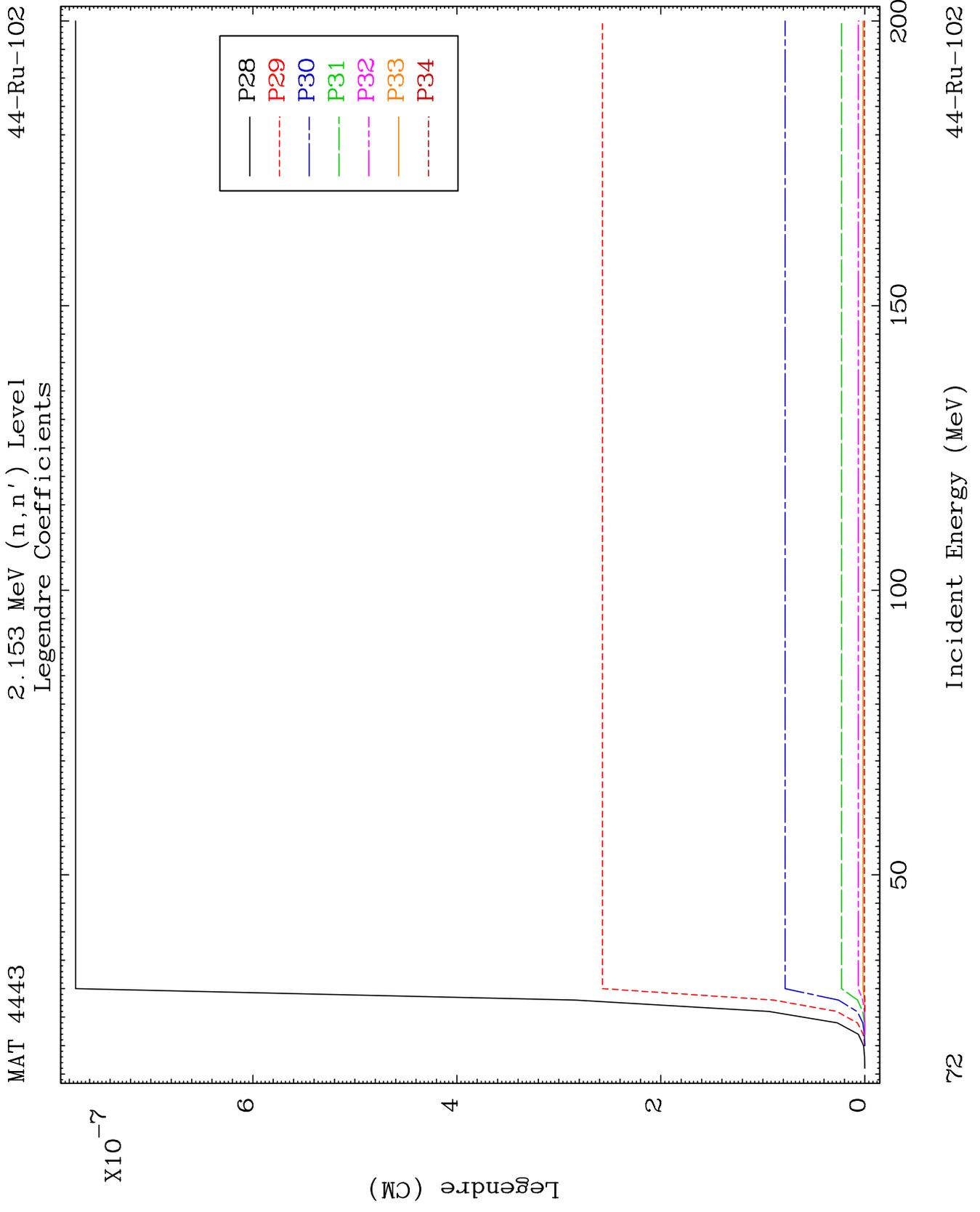
44-Ru-102



71

Incident Energy (MeV)

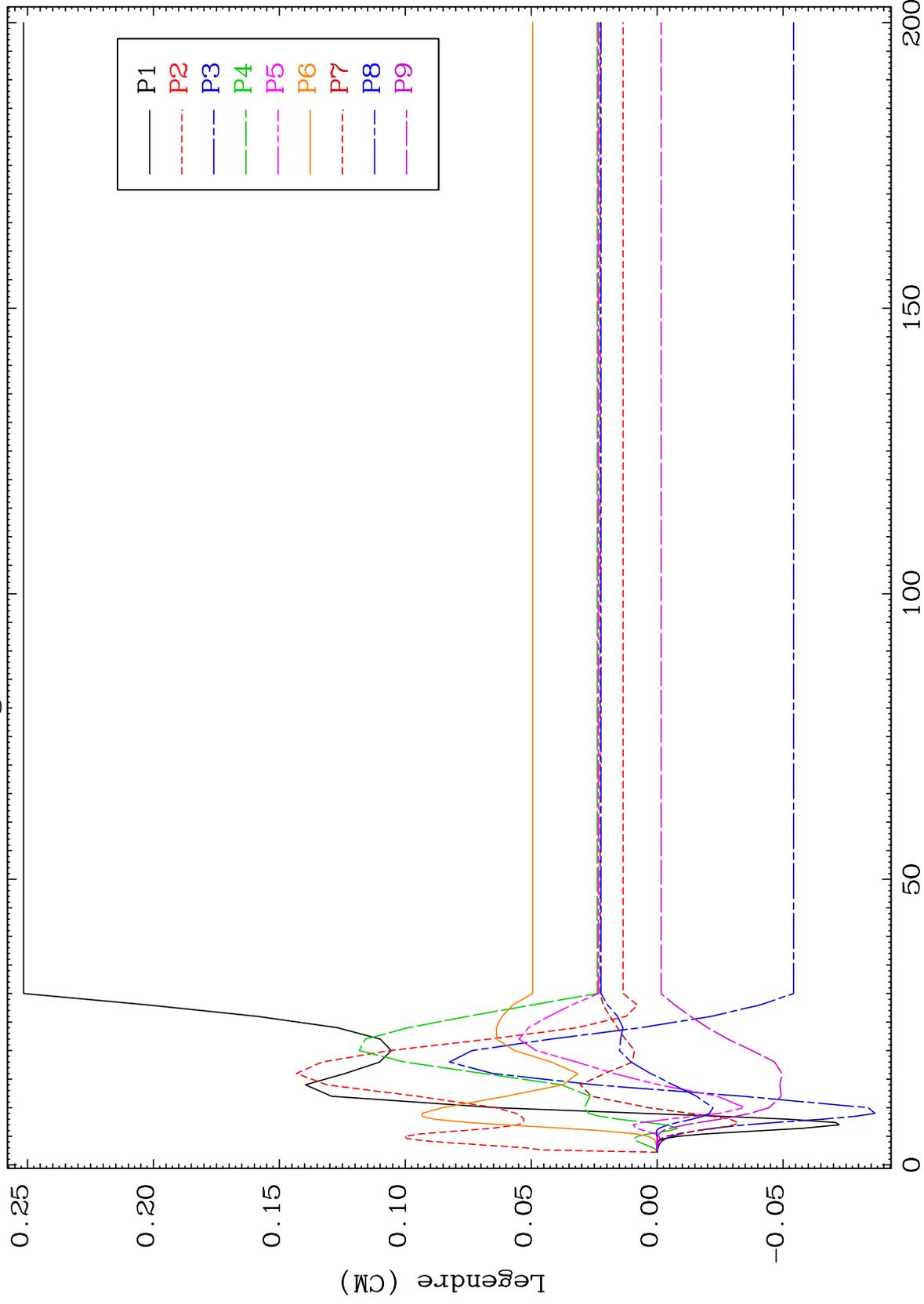
44-Ru-102



MAT 4443

2.190 MeV (n,n') Level
Legendre Coefficients

44-Ru-102



73

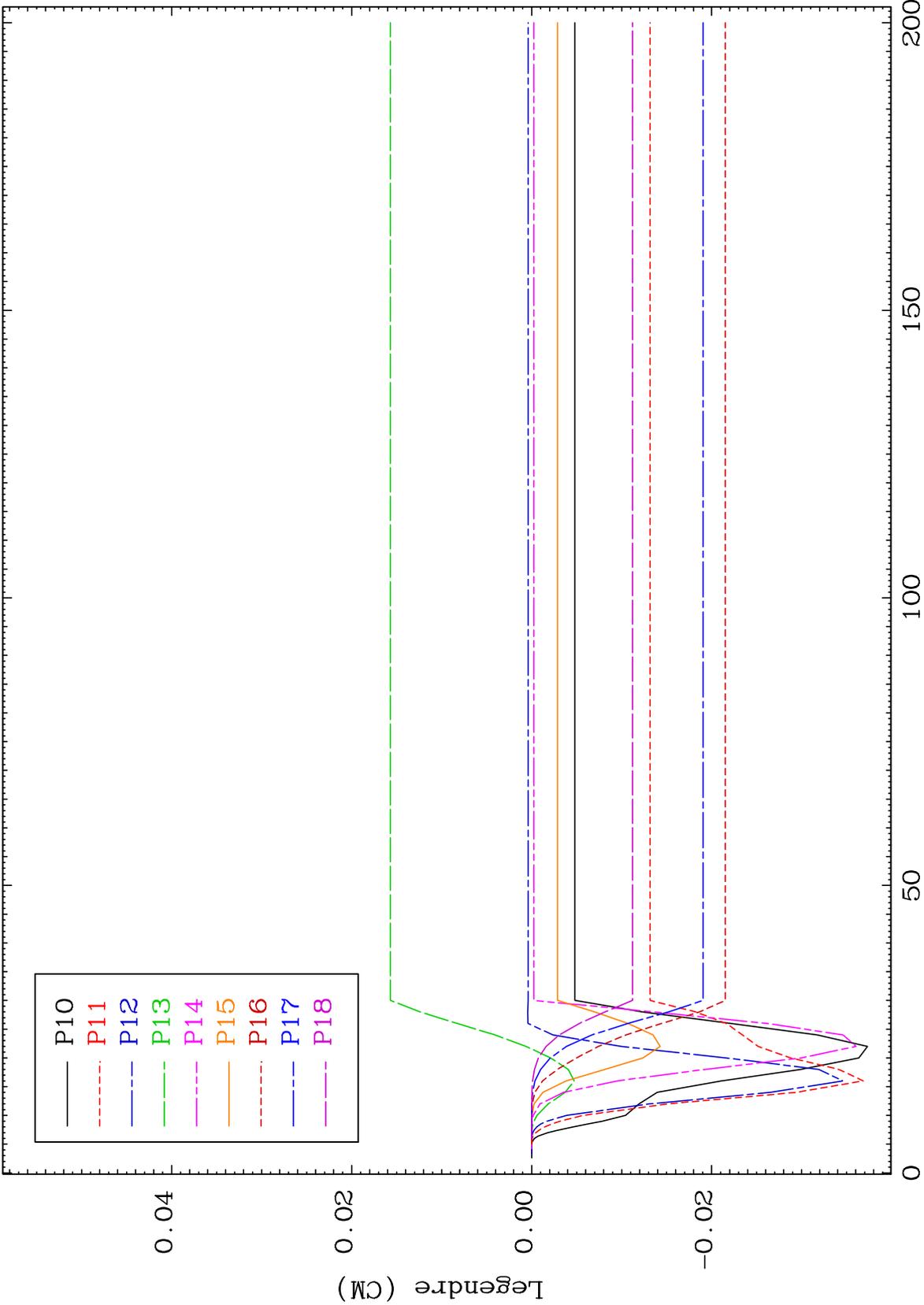
Incident Energy (MeV)

44-Ru-102

MAT 4443

2.190 MeV (n, n') Level
Legendre Coefficients

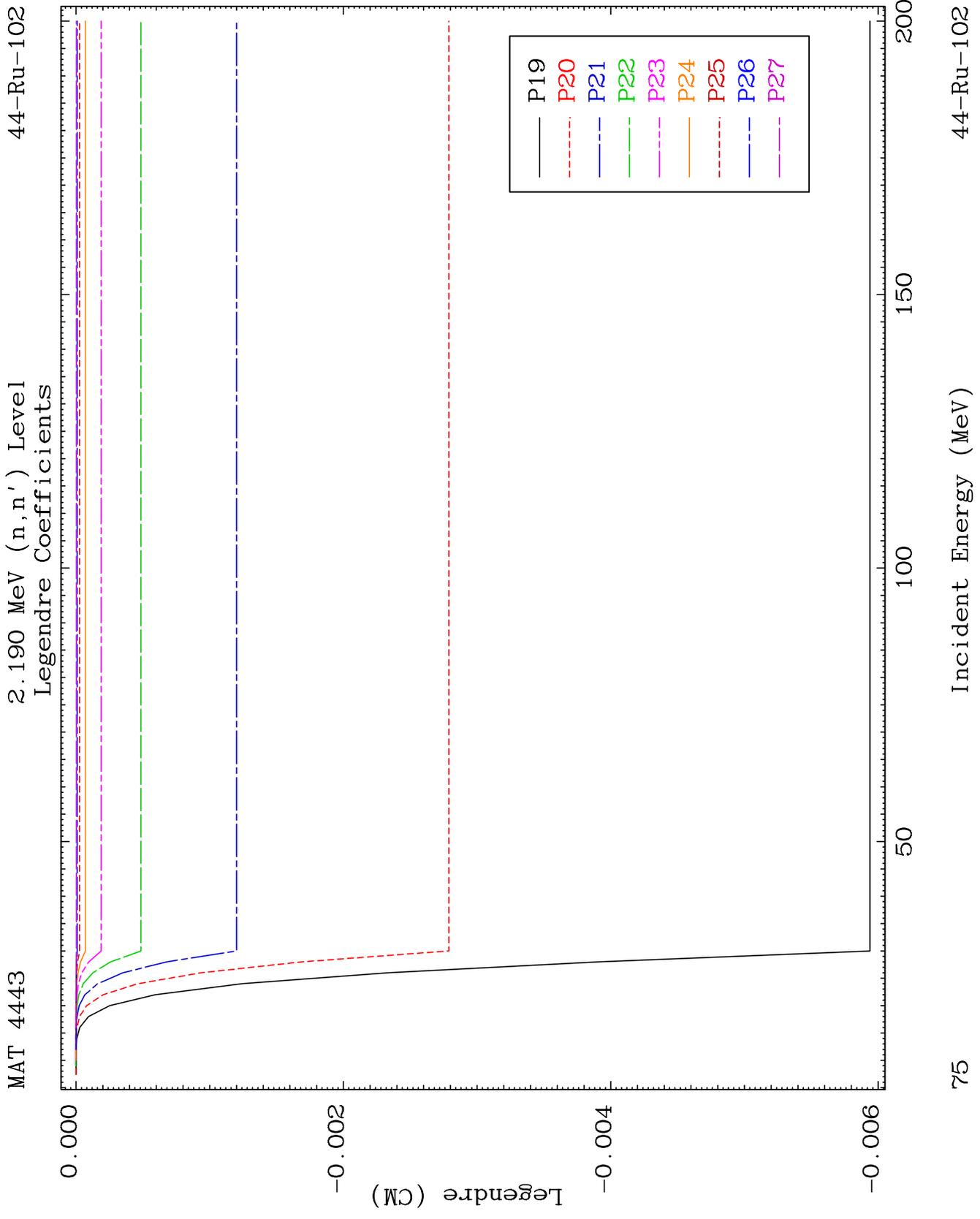
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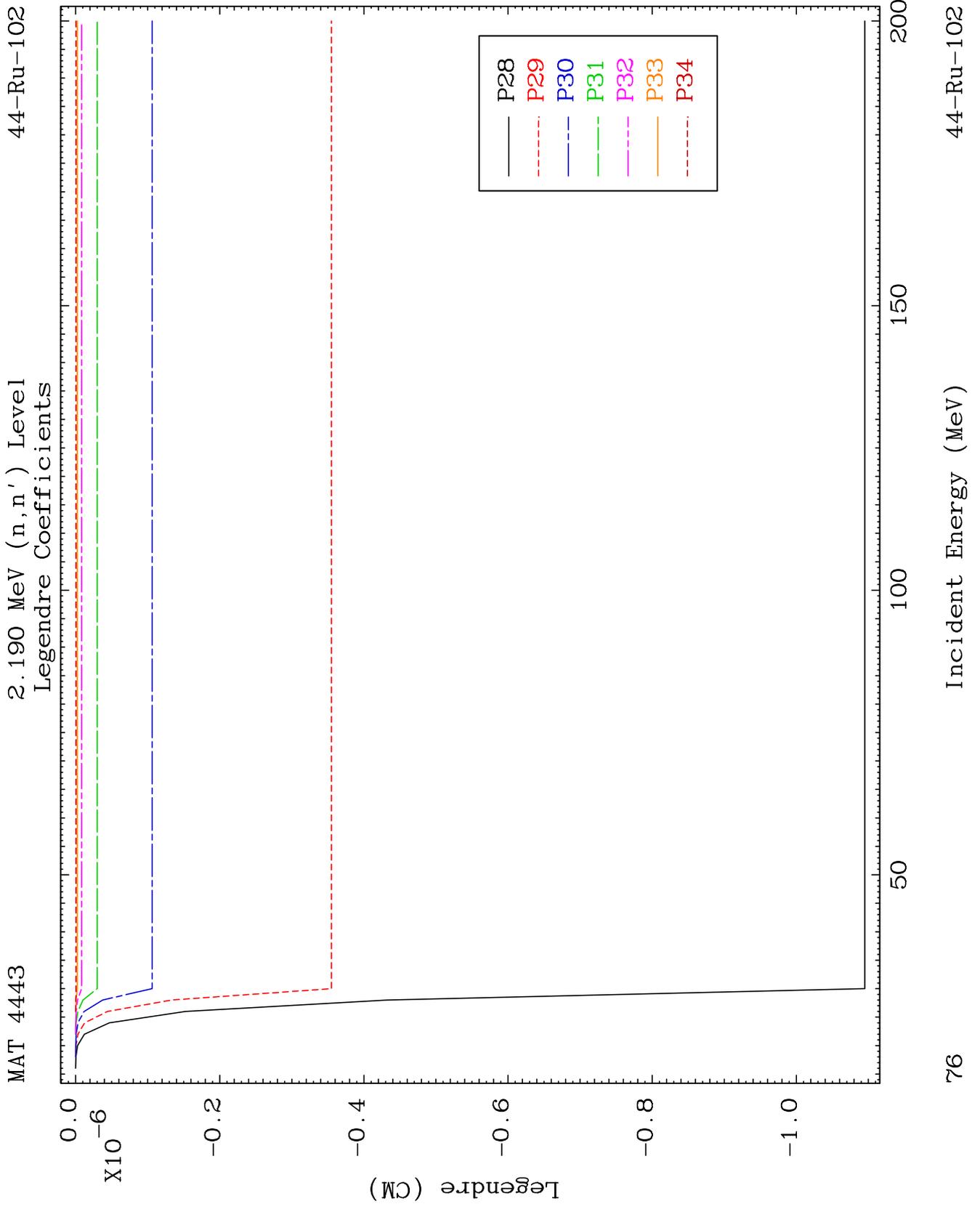


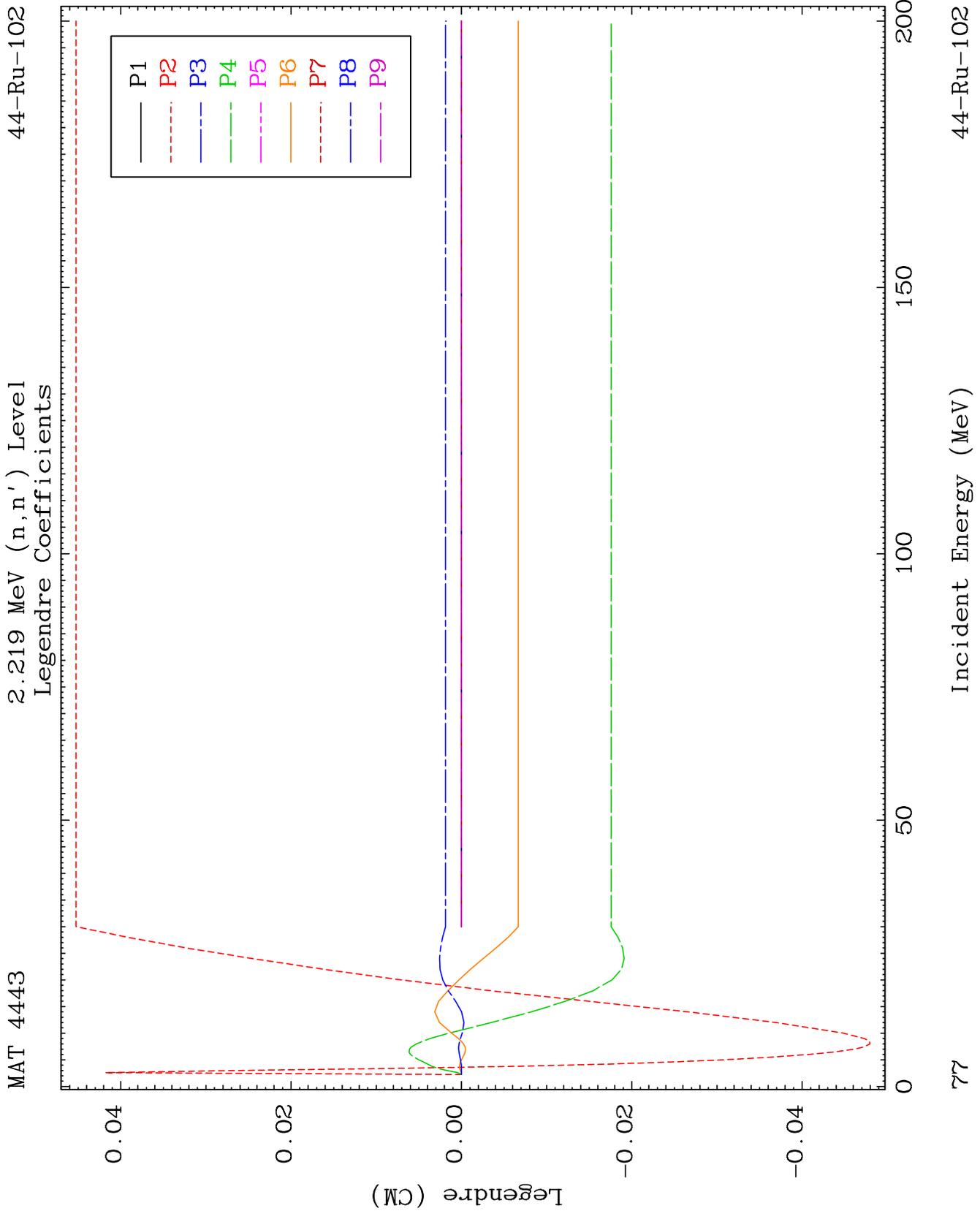
74

Incident Energy (MeV)

44-Ru-102



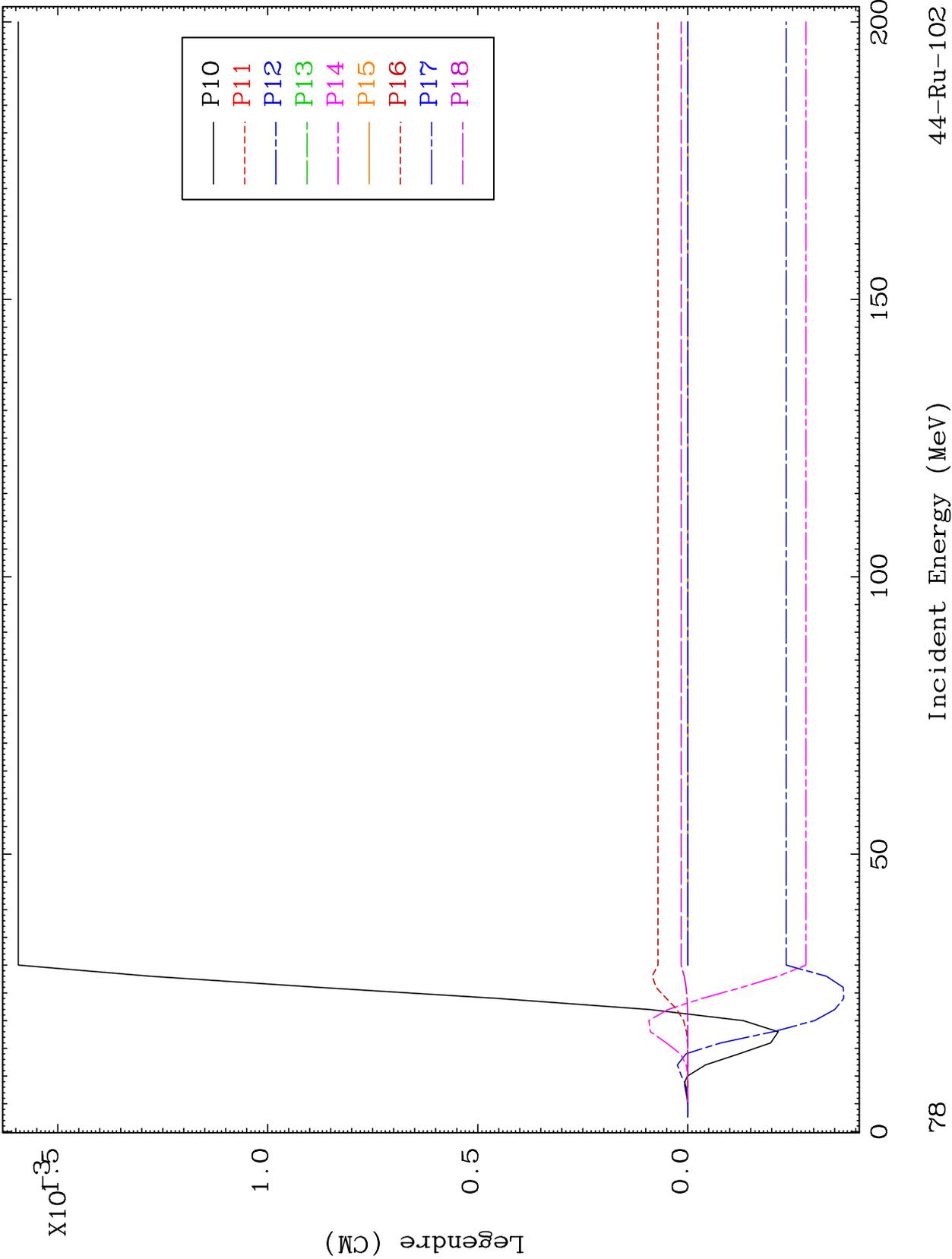




MAT 4443

2.219 MeV (n, n') Level
Legendre Coefficients

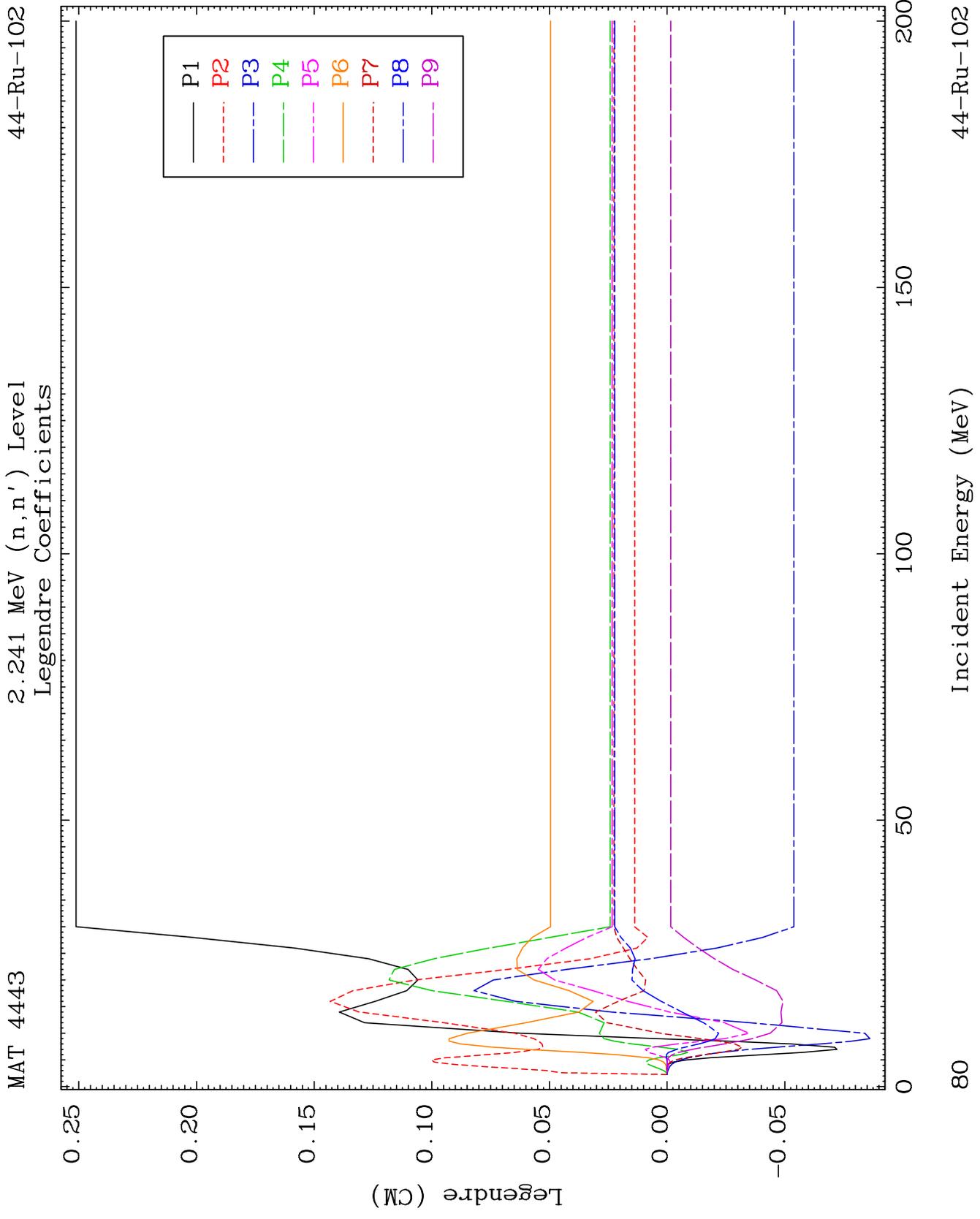
44-Ru-102



78

Incident Energy (MeV)

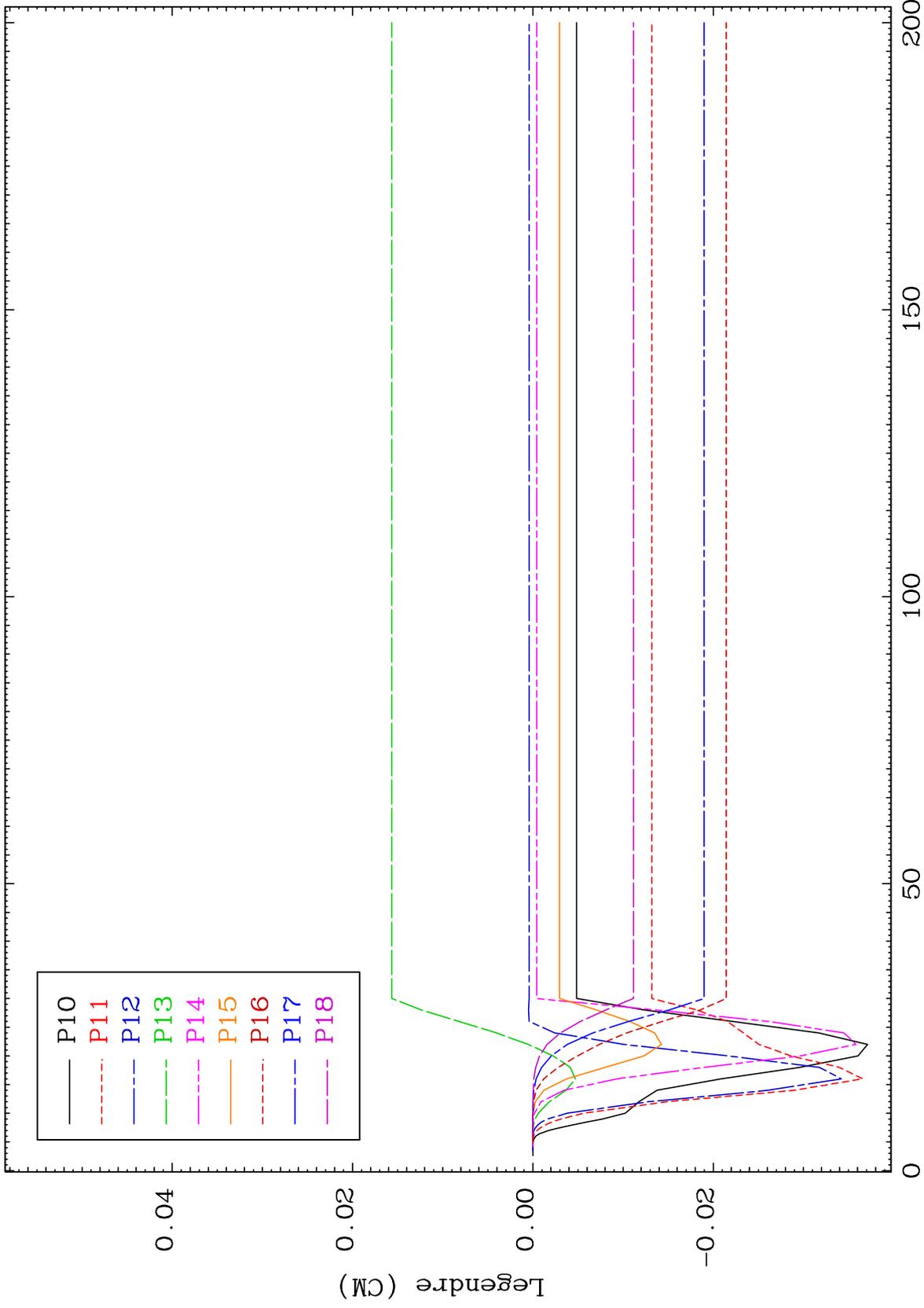
44-Ru-102



MAT 4443

2.241 MeV (n, n') Level
Legendre Coefficients

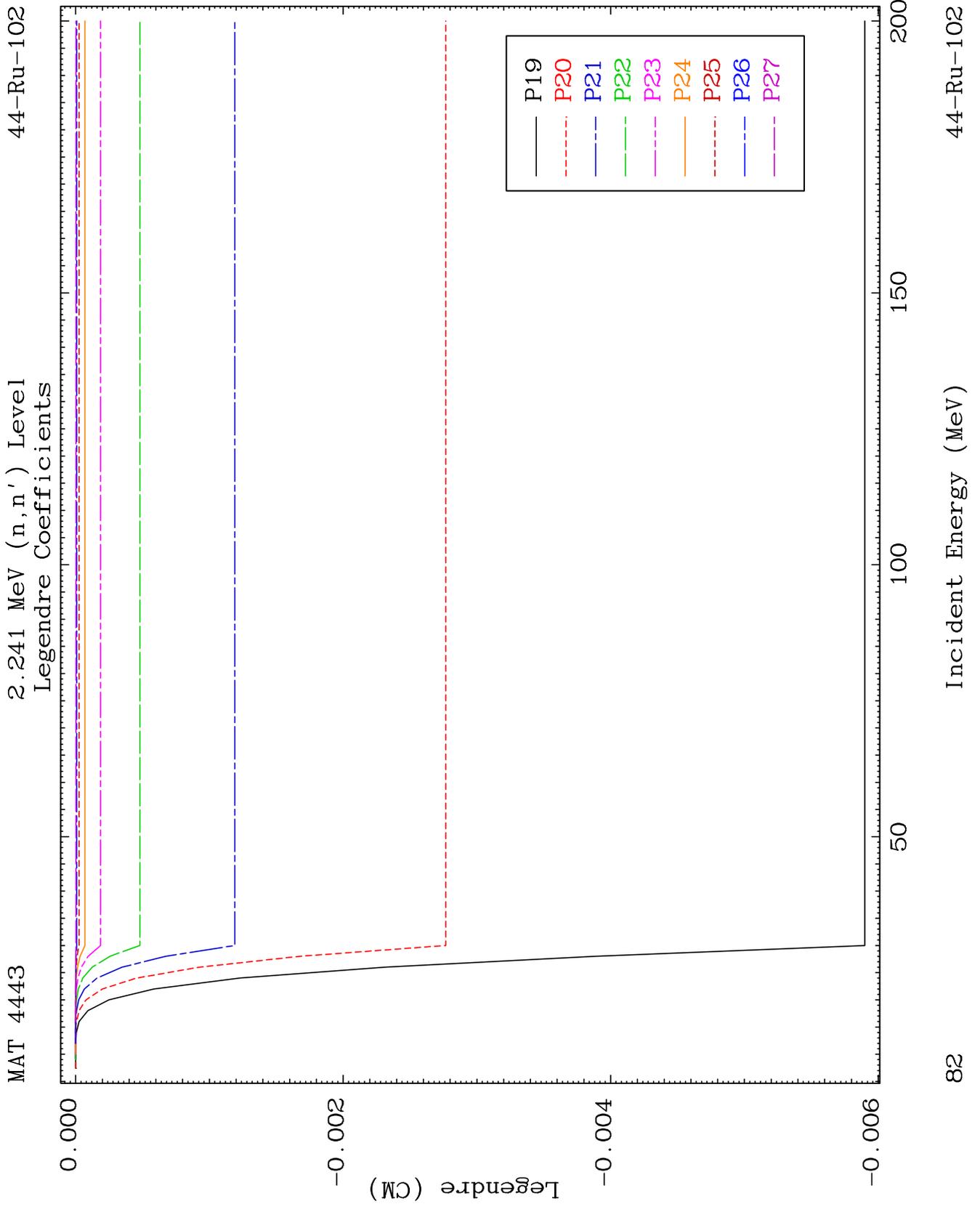
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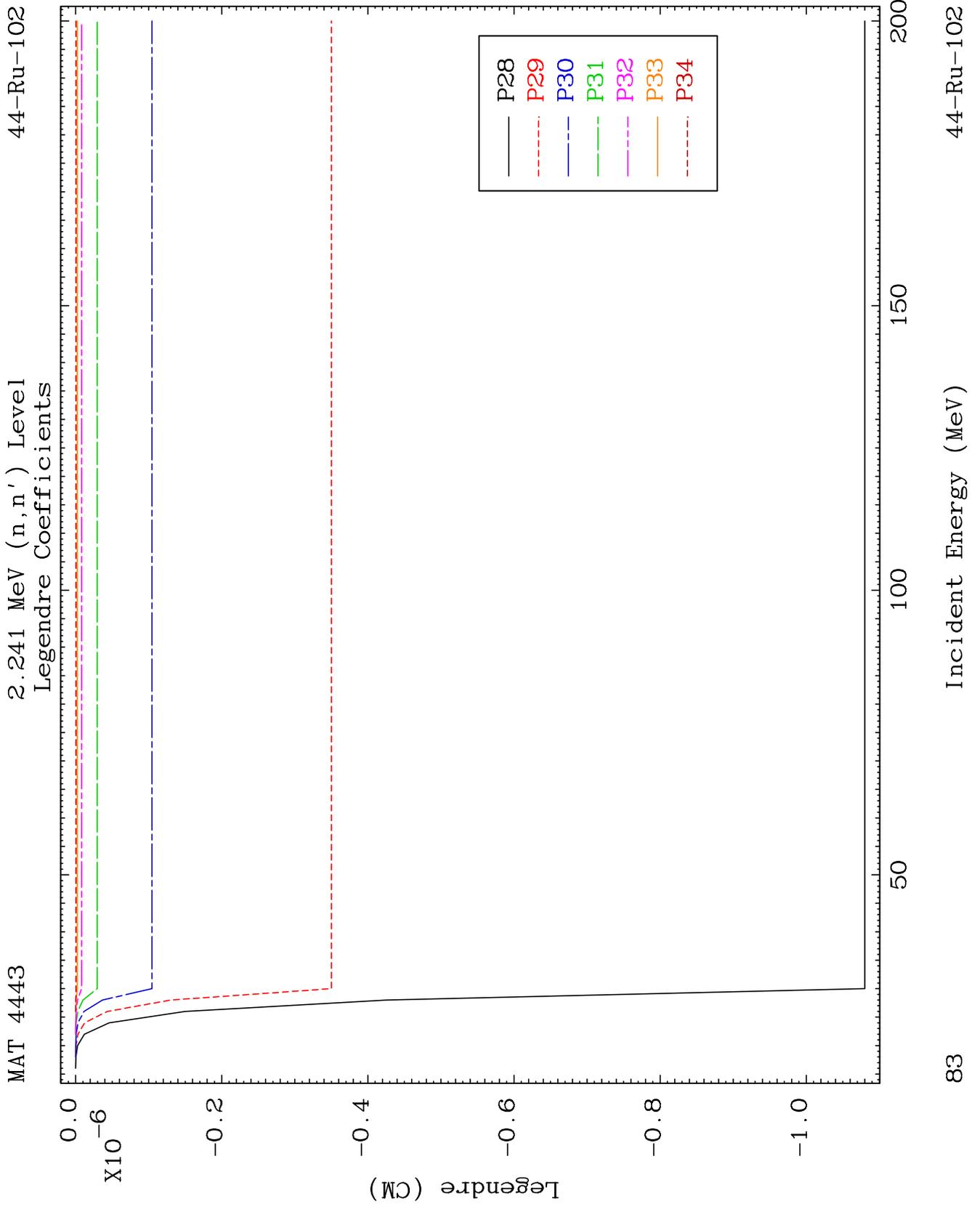


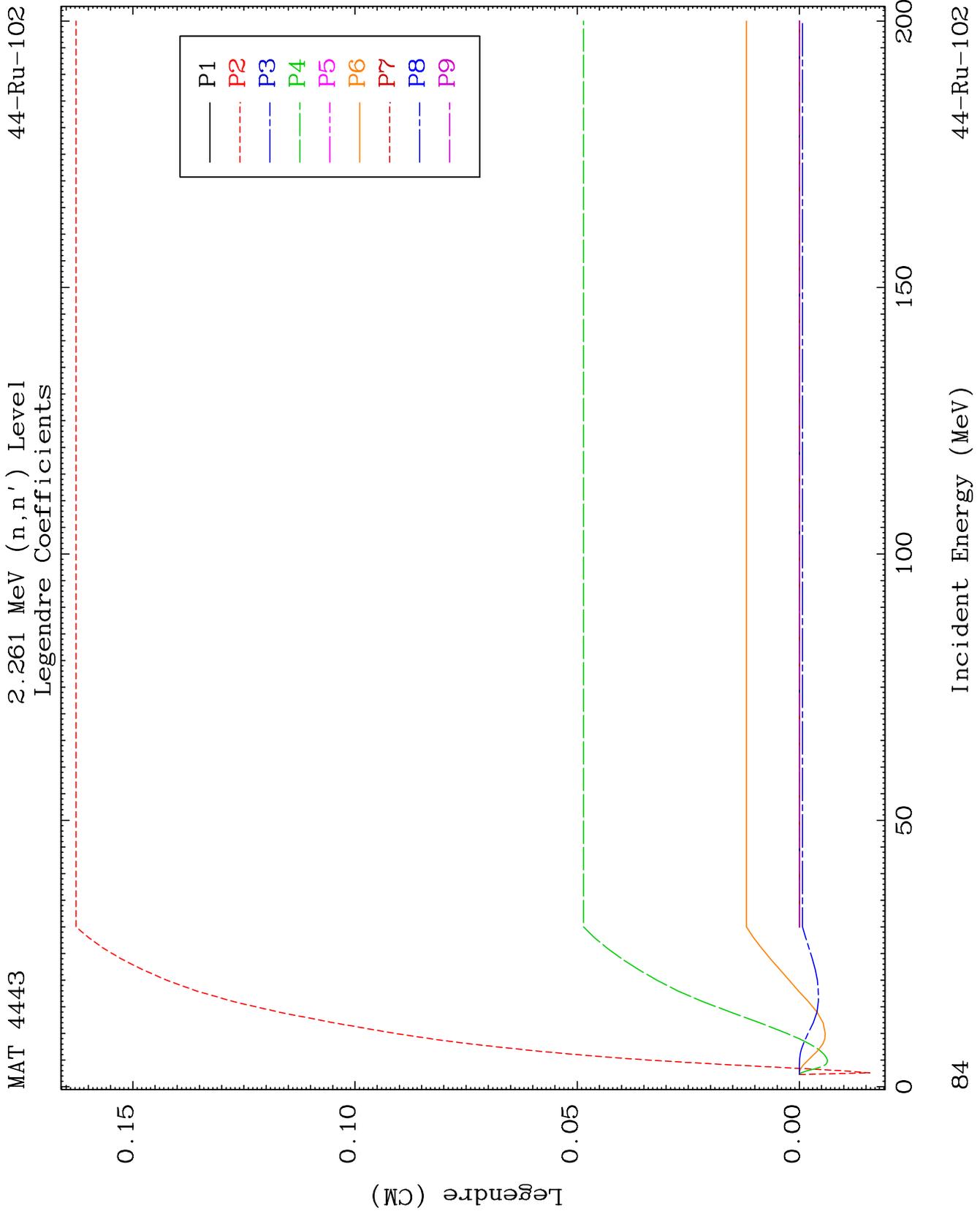
81

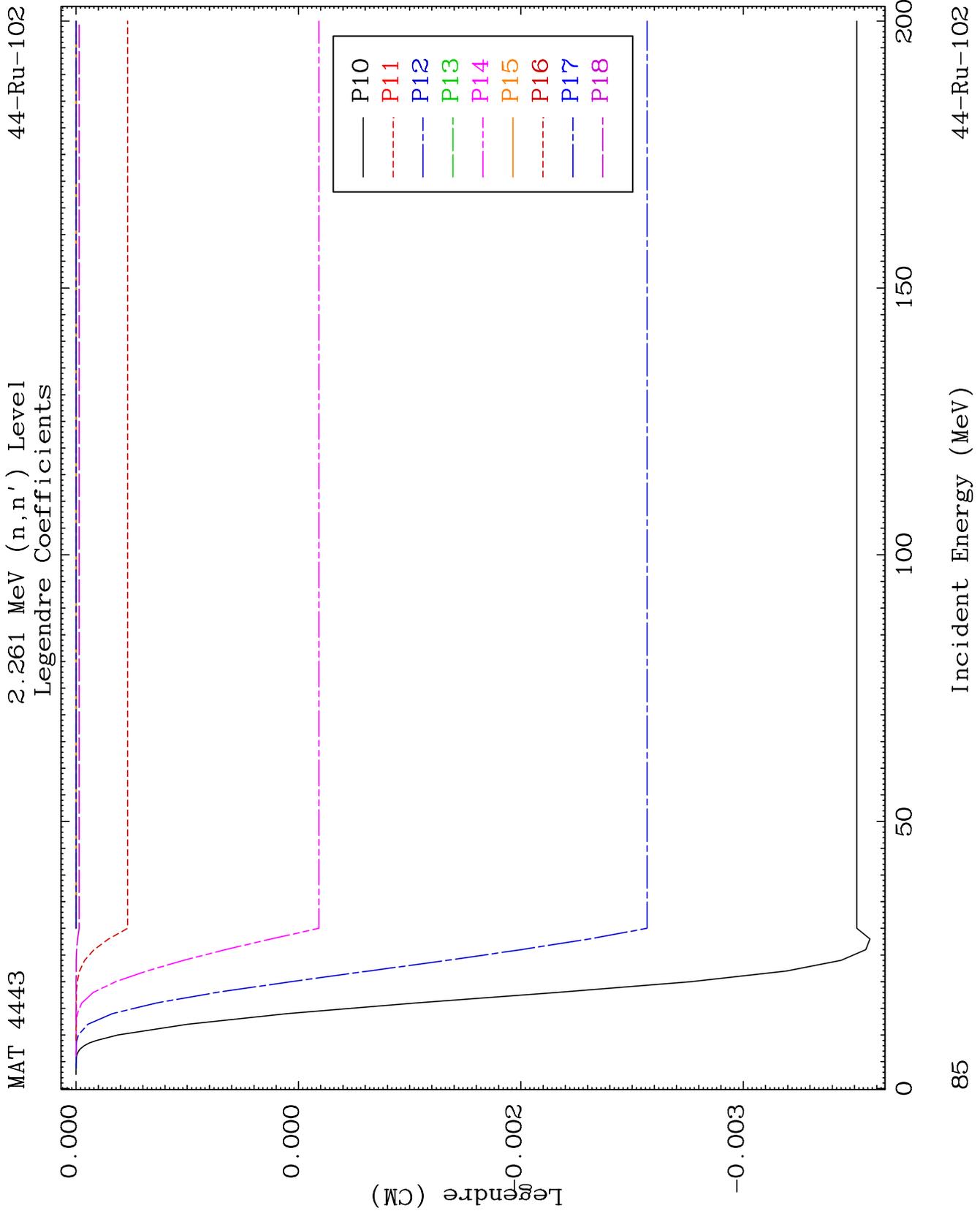
Incident Energy (MeV)

44-Ru-102





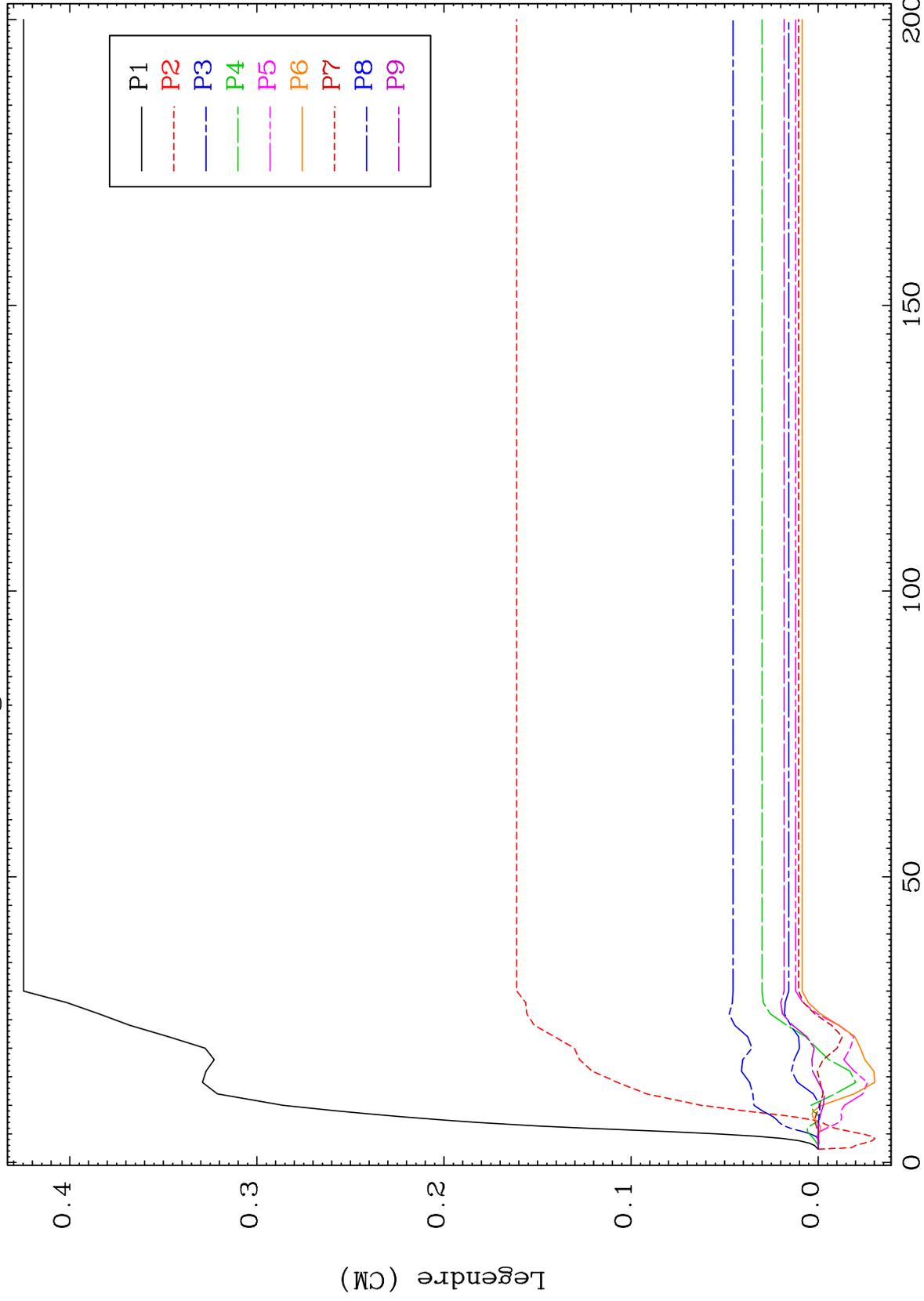




MAT 4443

2.303 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



44-Ru-102

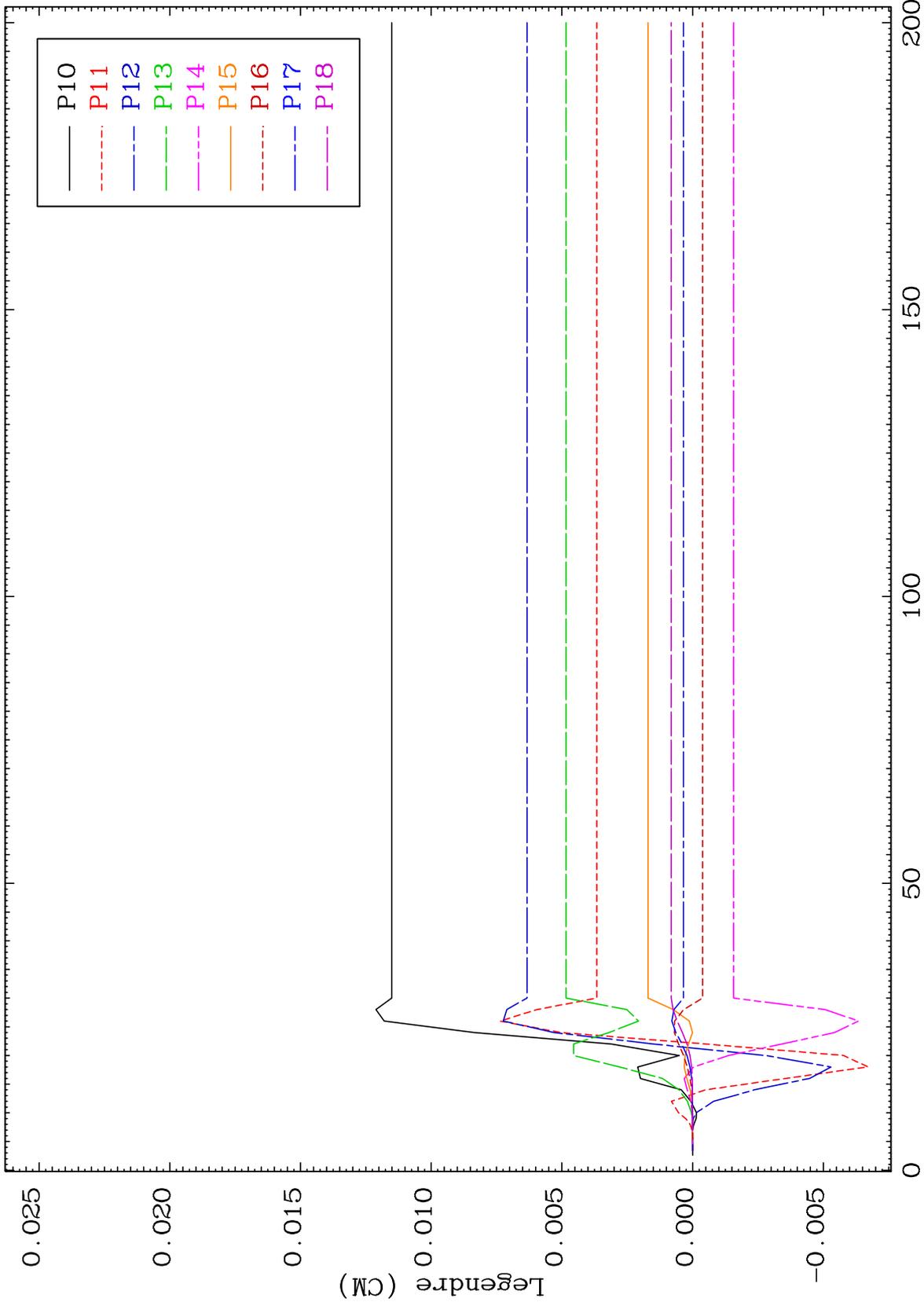
Incident Energy (MeV)

87

MAT 4443

2.303 MeV (n,n') Level
Legendre Coefficients

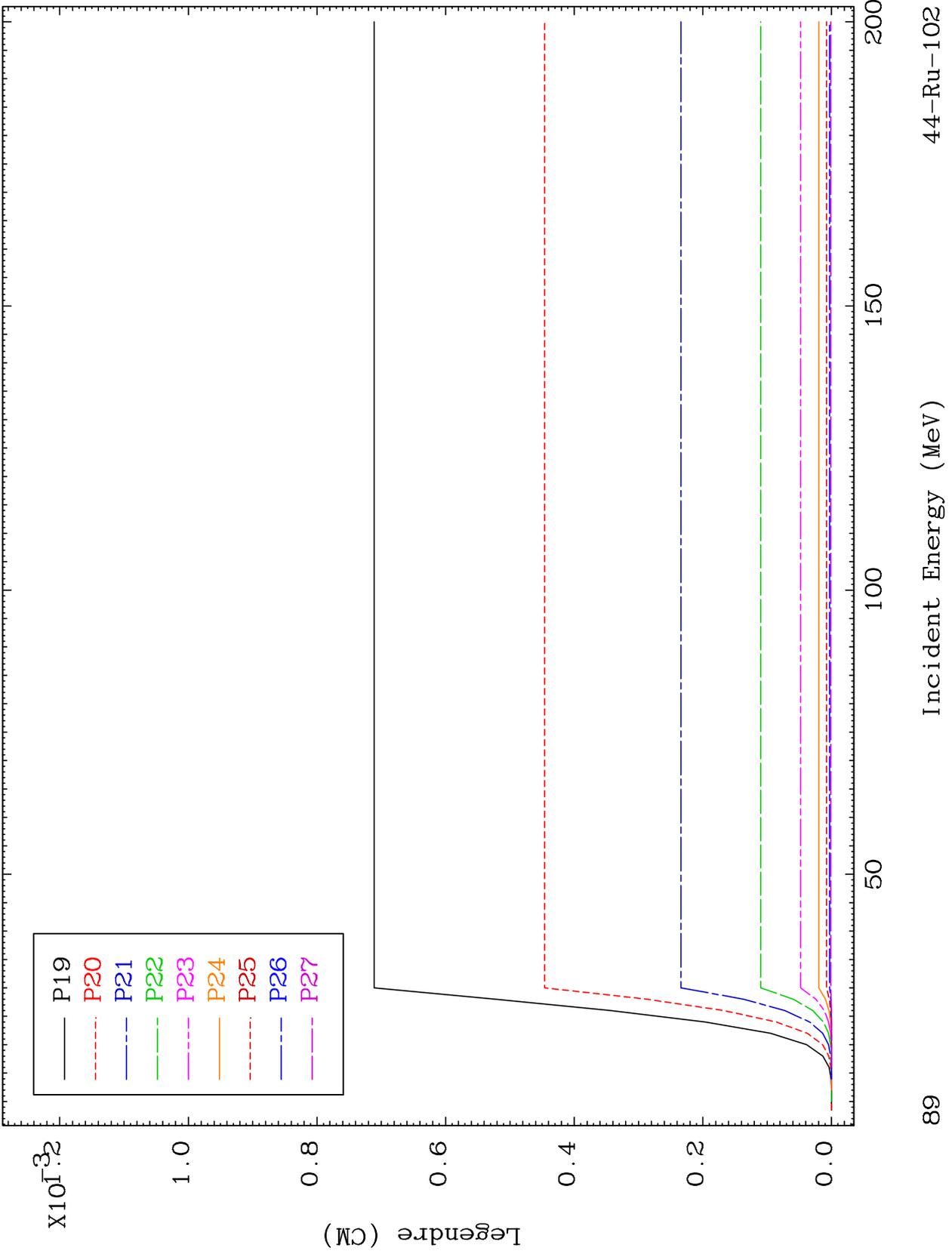
44-Ru-102



88

Incident Energy (MeV)

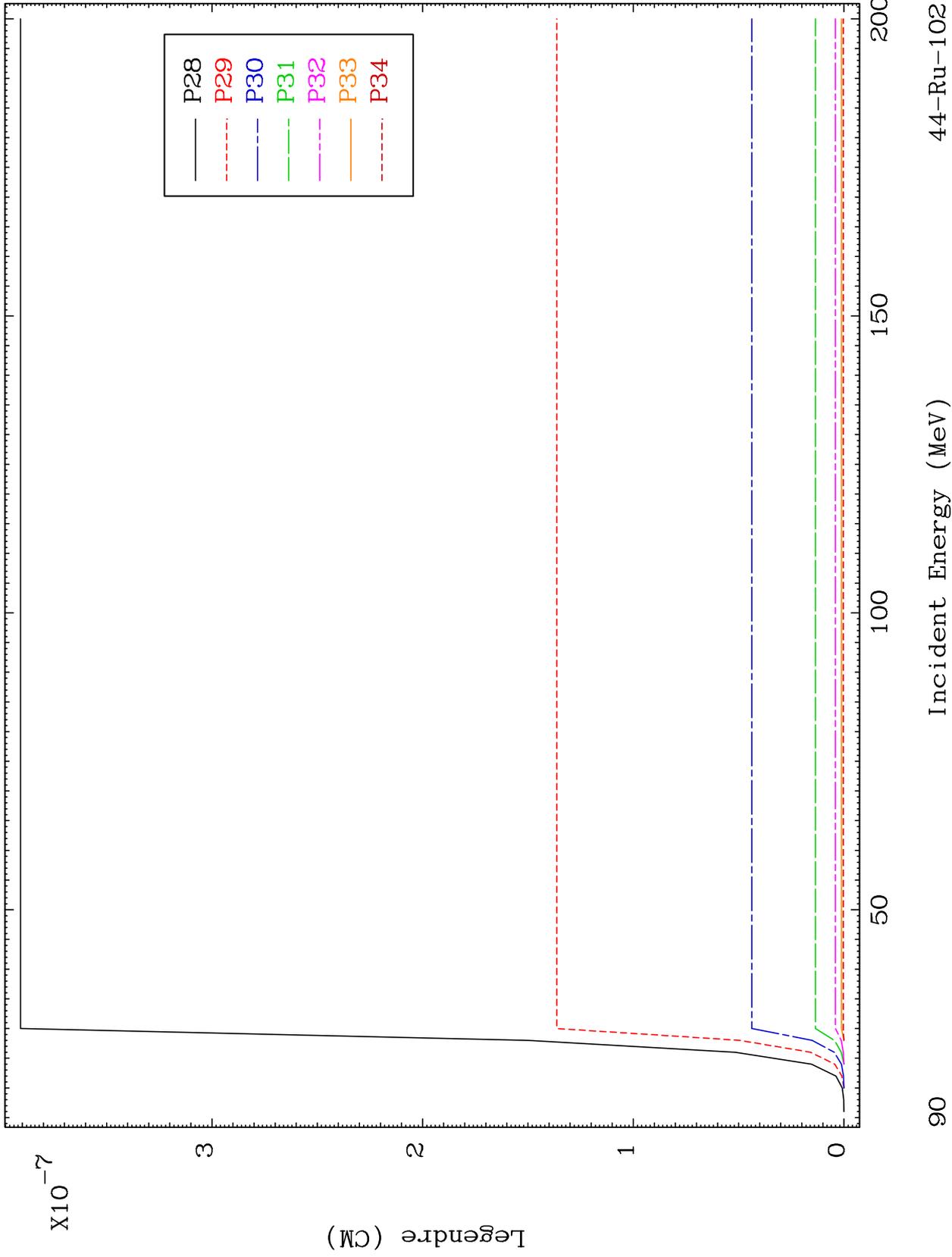
44-Ru-102



MAT 4443

2.303 MeV (n,n') Level
Legendre Coefficients

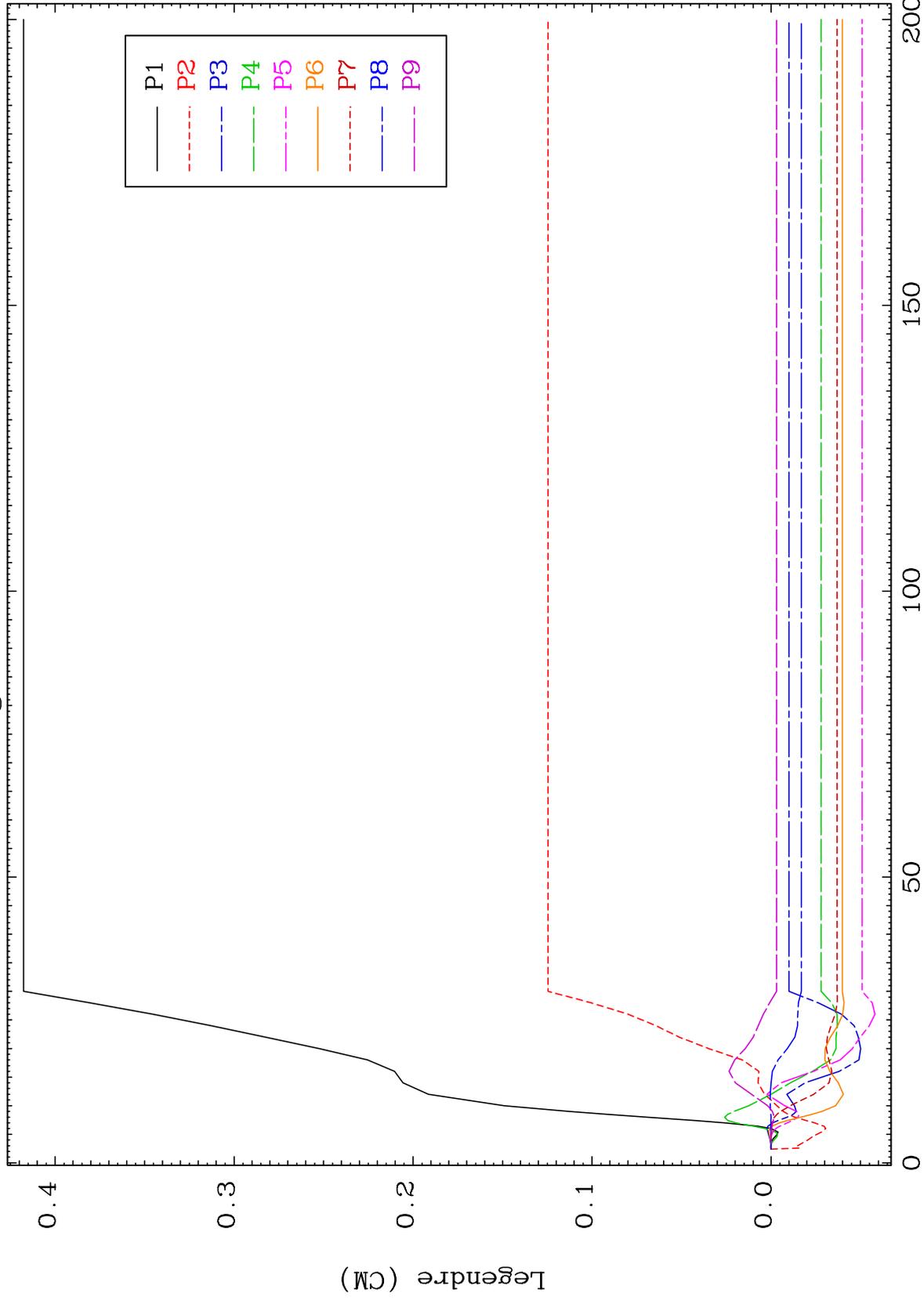
44-Ru-102



MAT 4443

2.367 MeV (n,n') Level
Legendre Coefficients

44-Ru-102



91

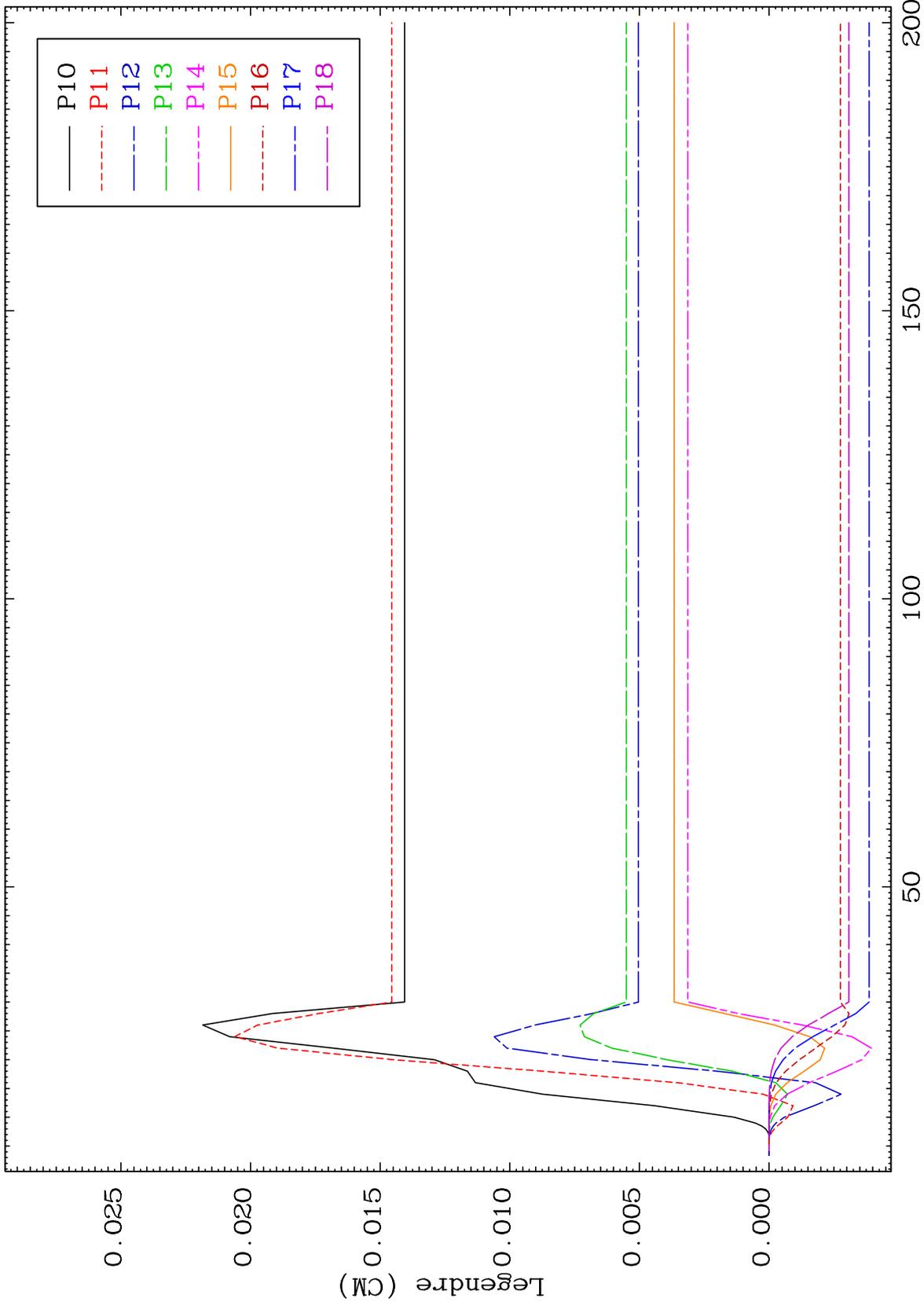
Incident Energy (MeV)

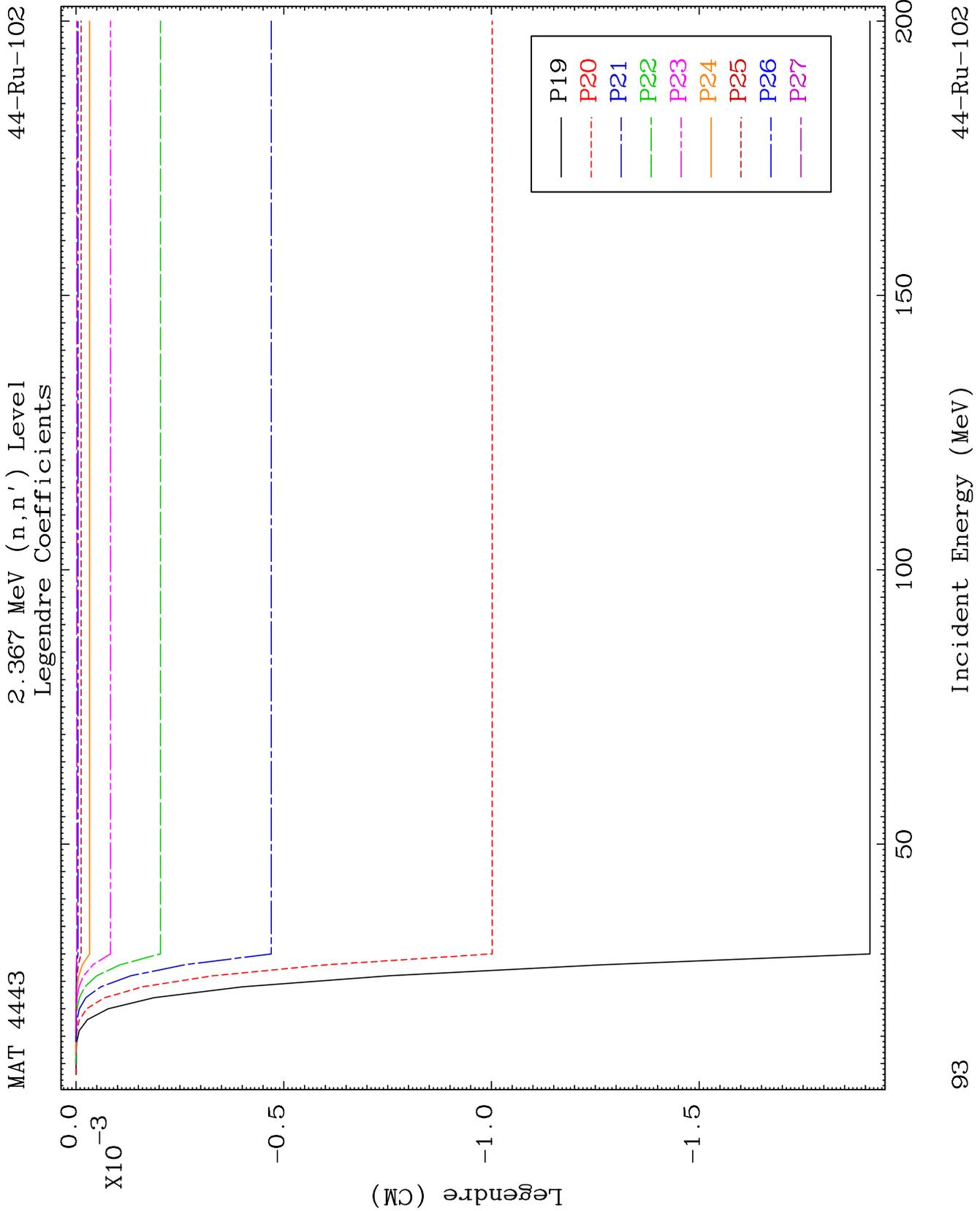
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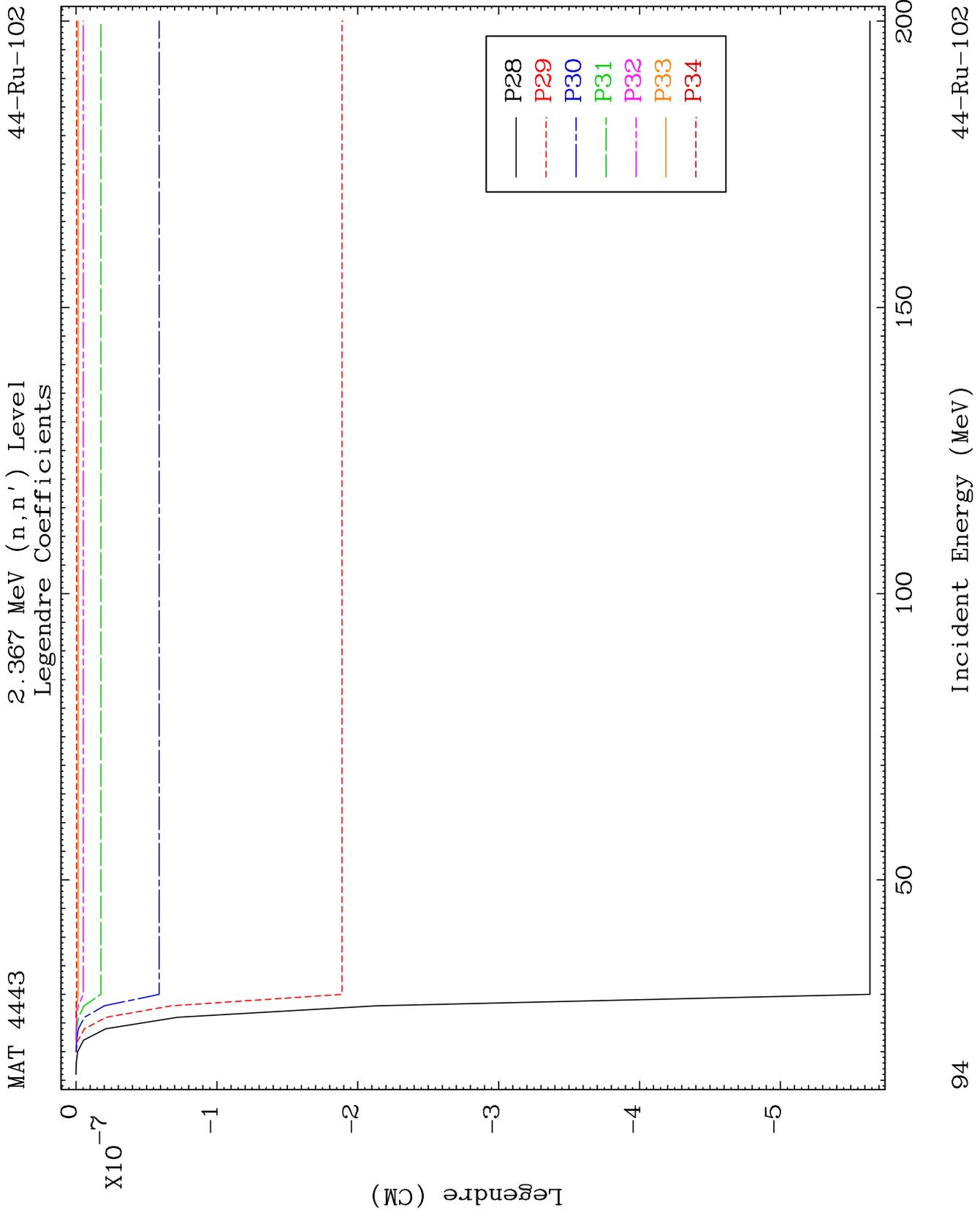
MAT 4443

2.367 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



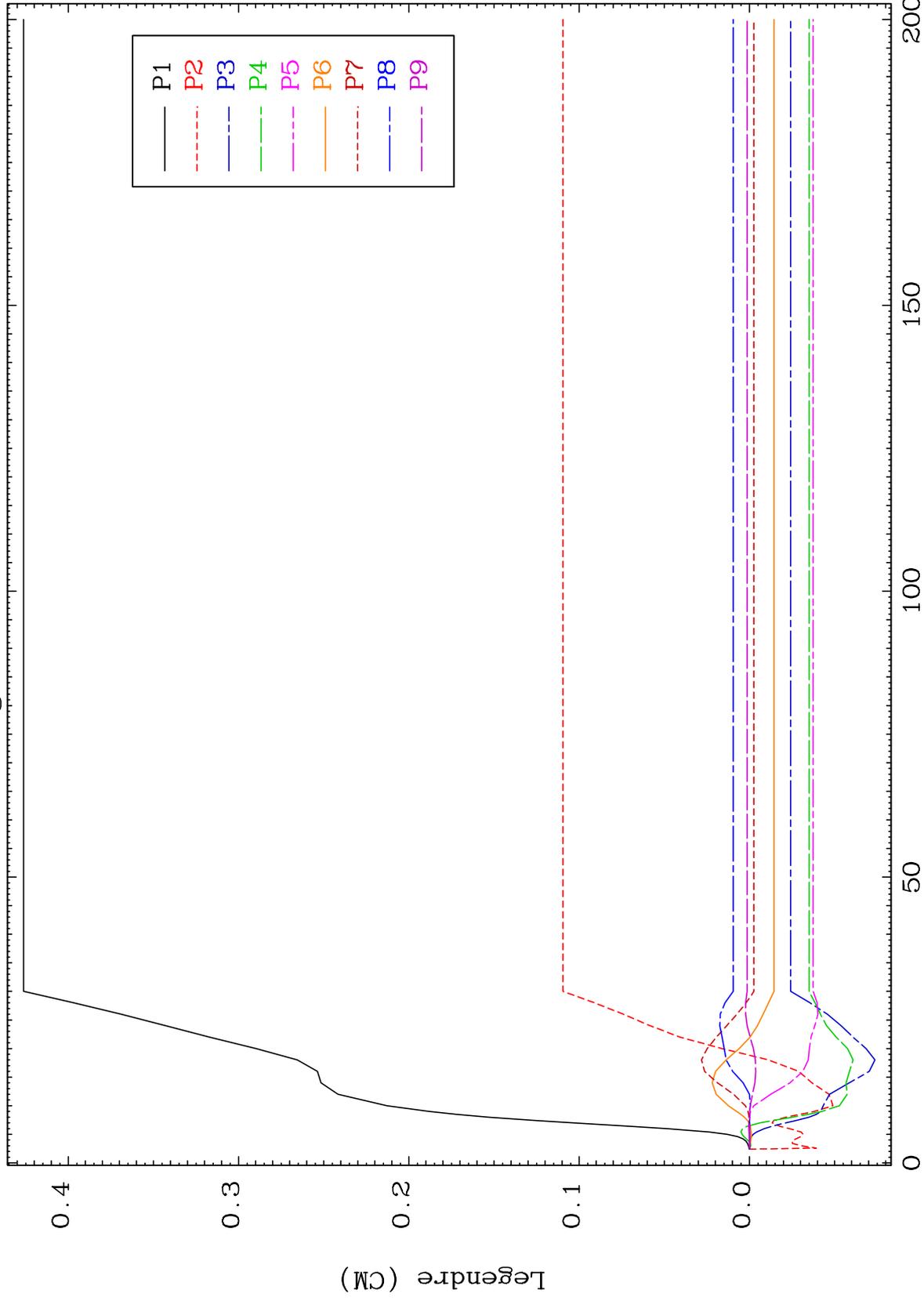




MAT 4443

2.373 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



95

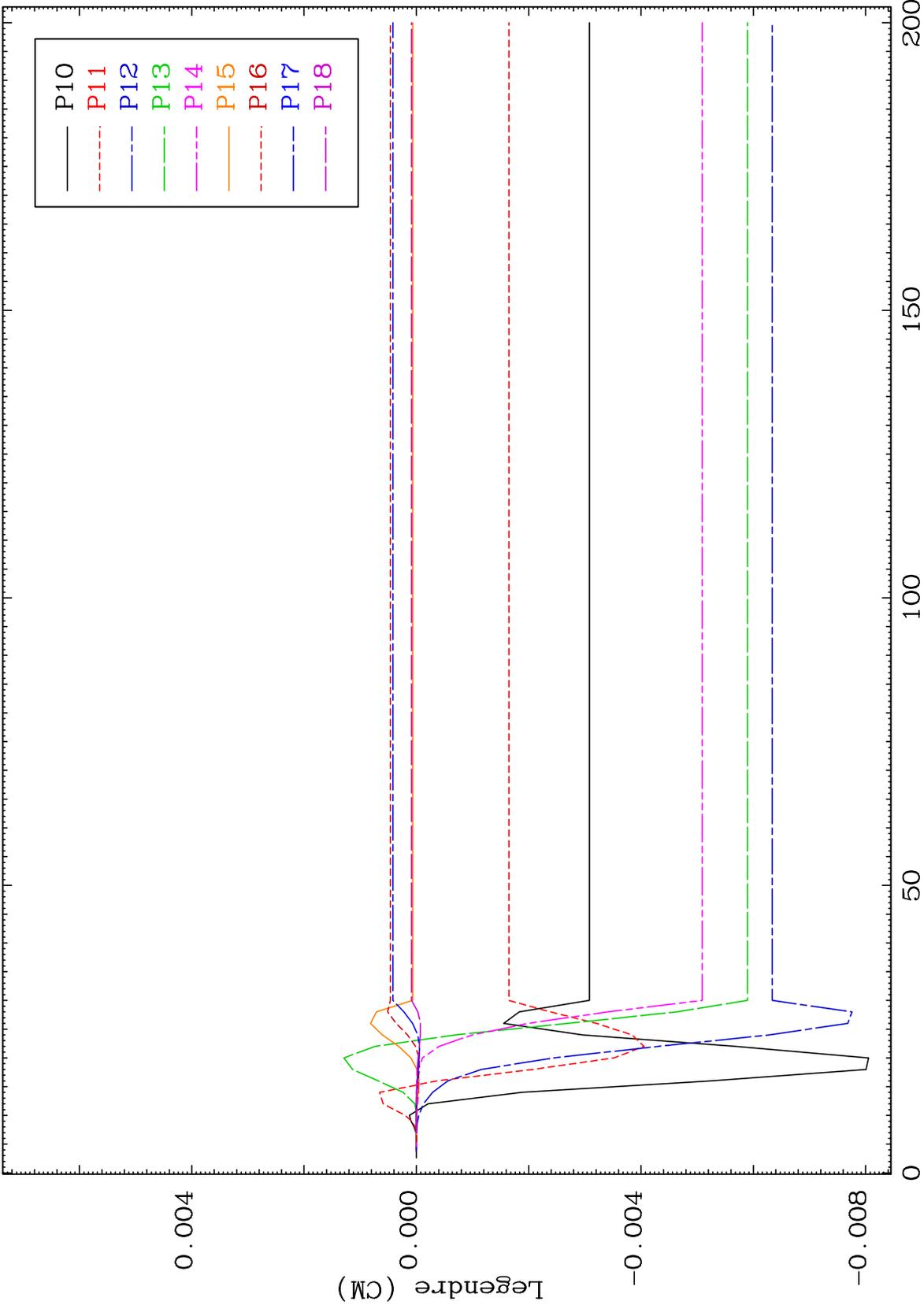
Incident Energy (MeV)

44-Ru-102

MAT 4443

2.373 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



96

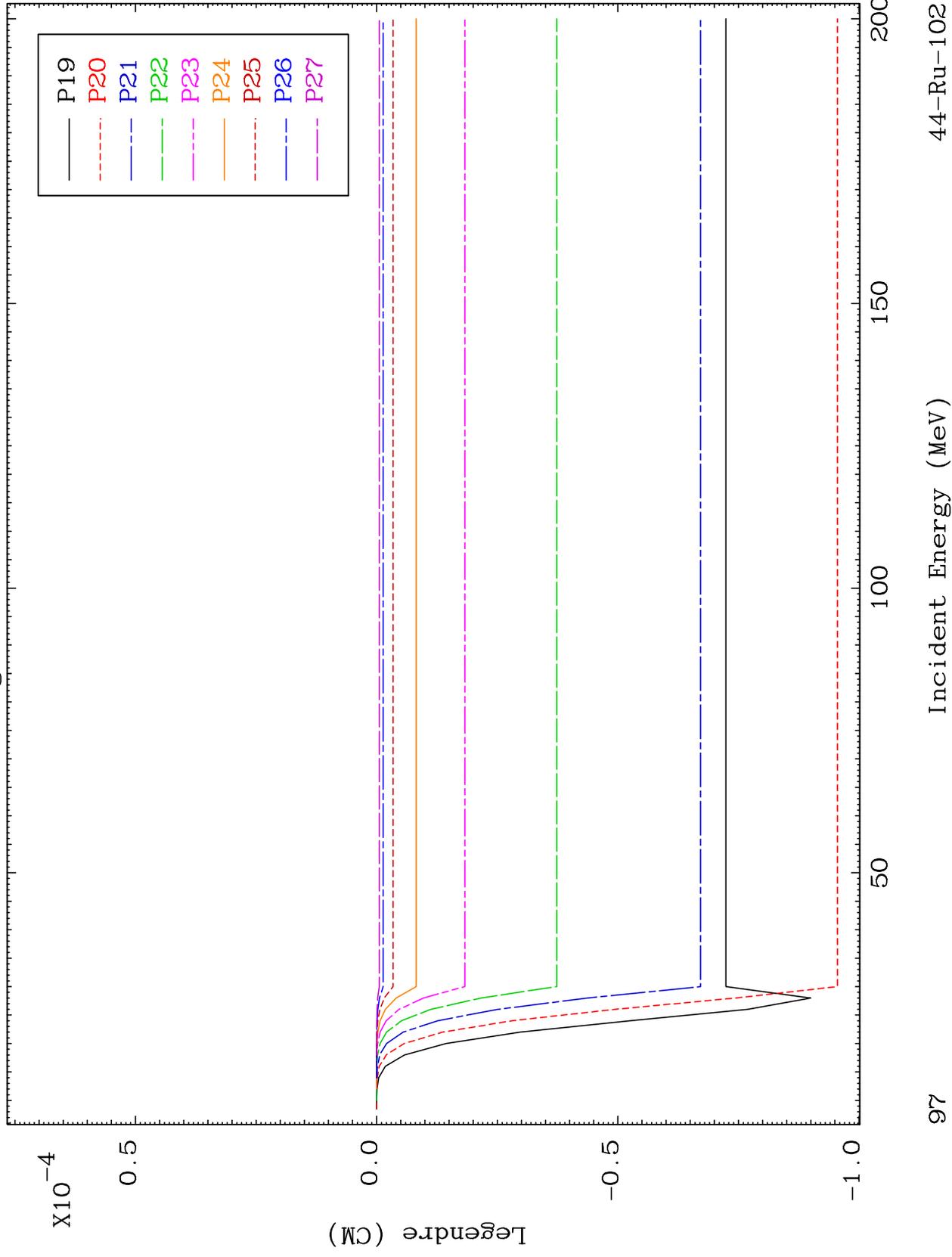
Incident Energy (MeV)

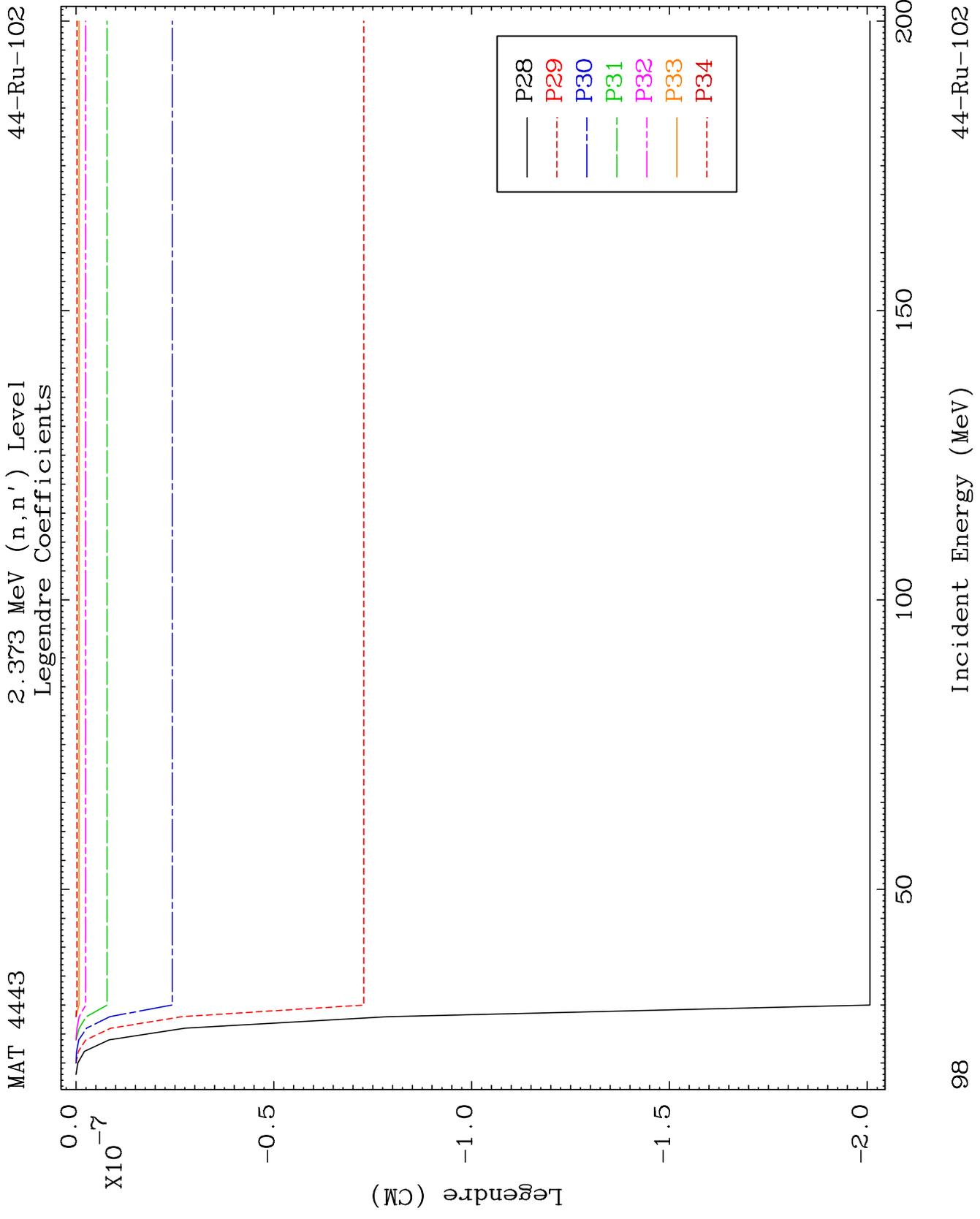
44-Ru-102

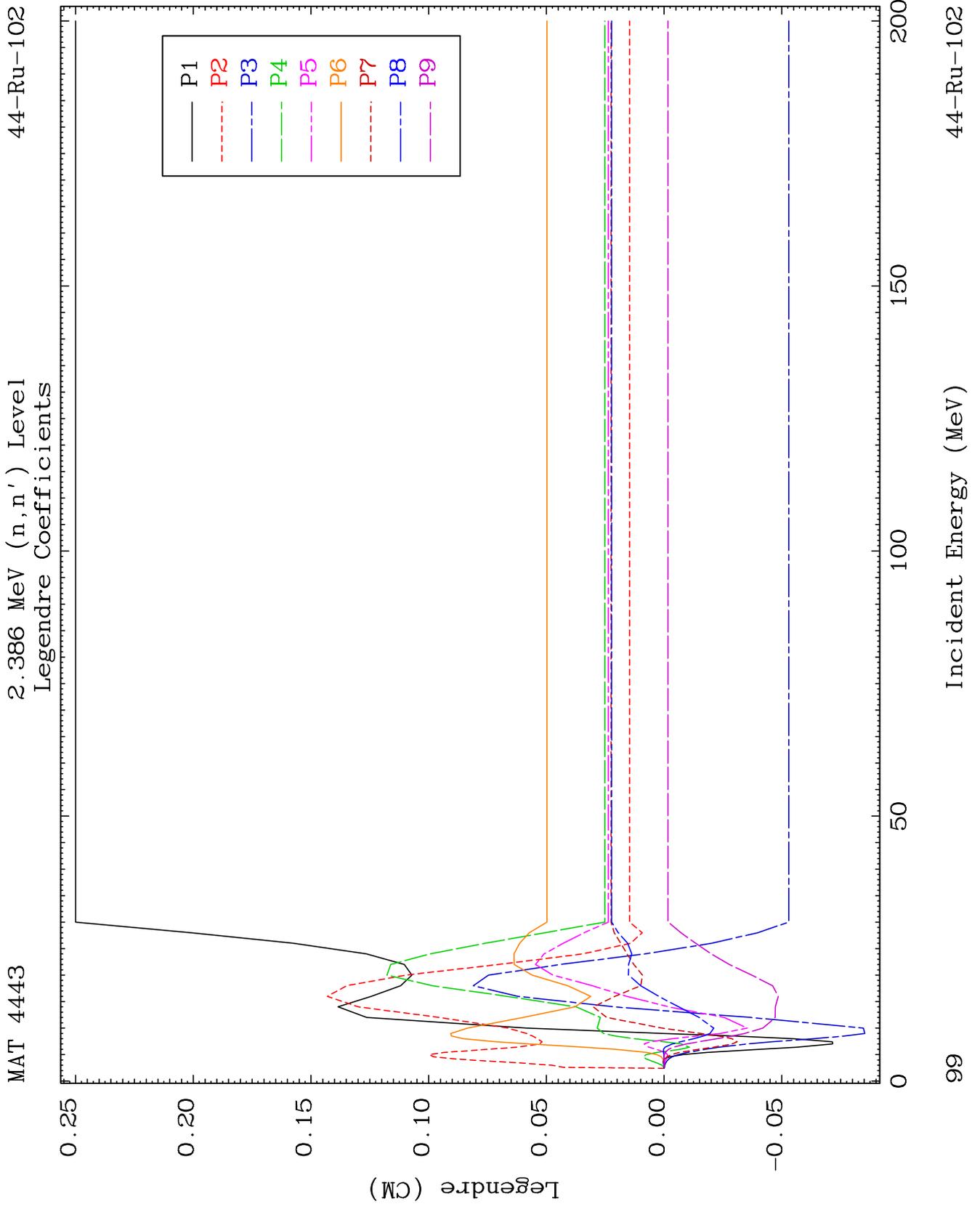
MAT 4443

2.373 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



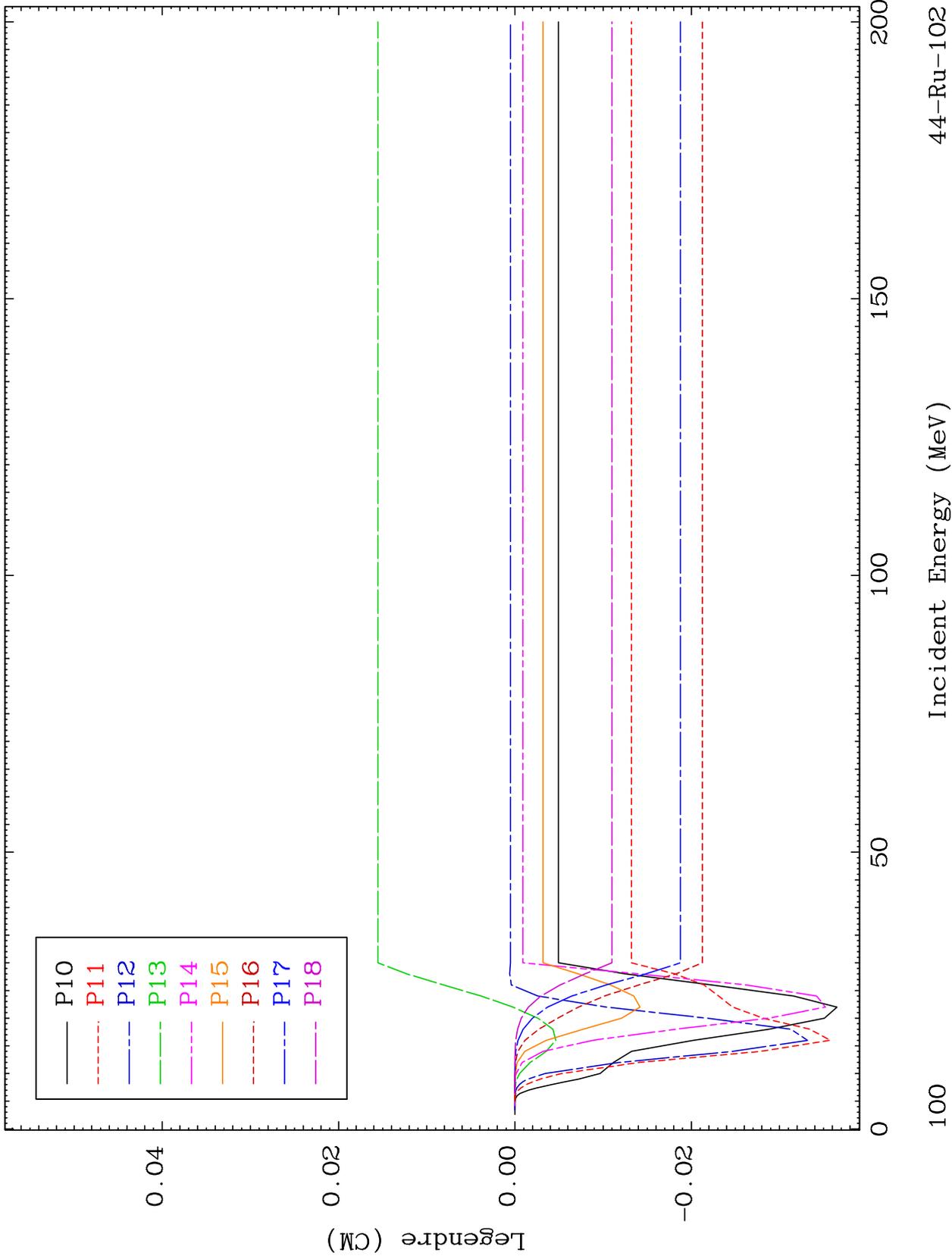




MAT 4443

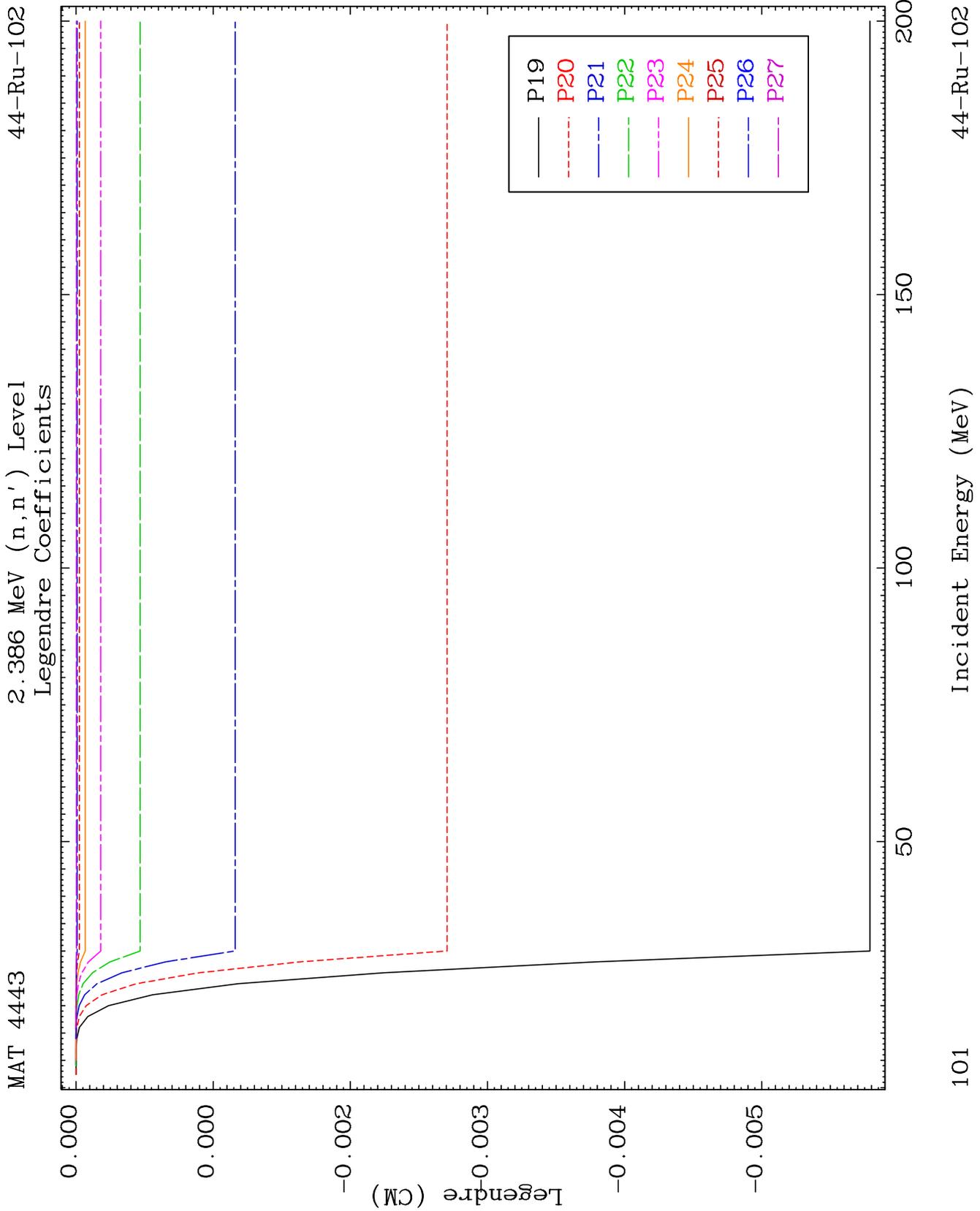
2.386 MeV (n, n') Level
Legendre Coefficients

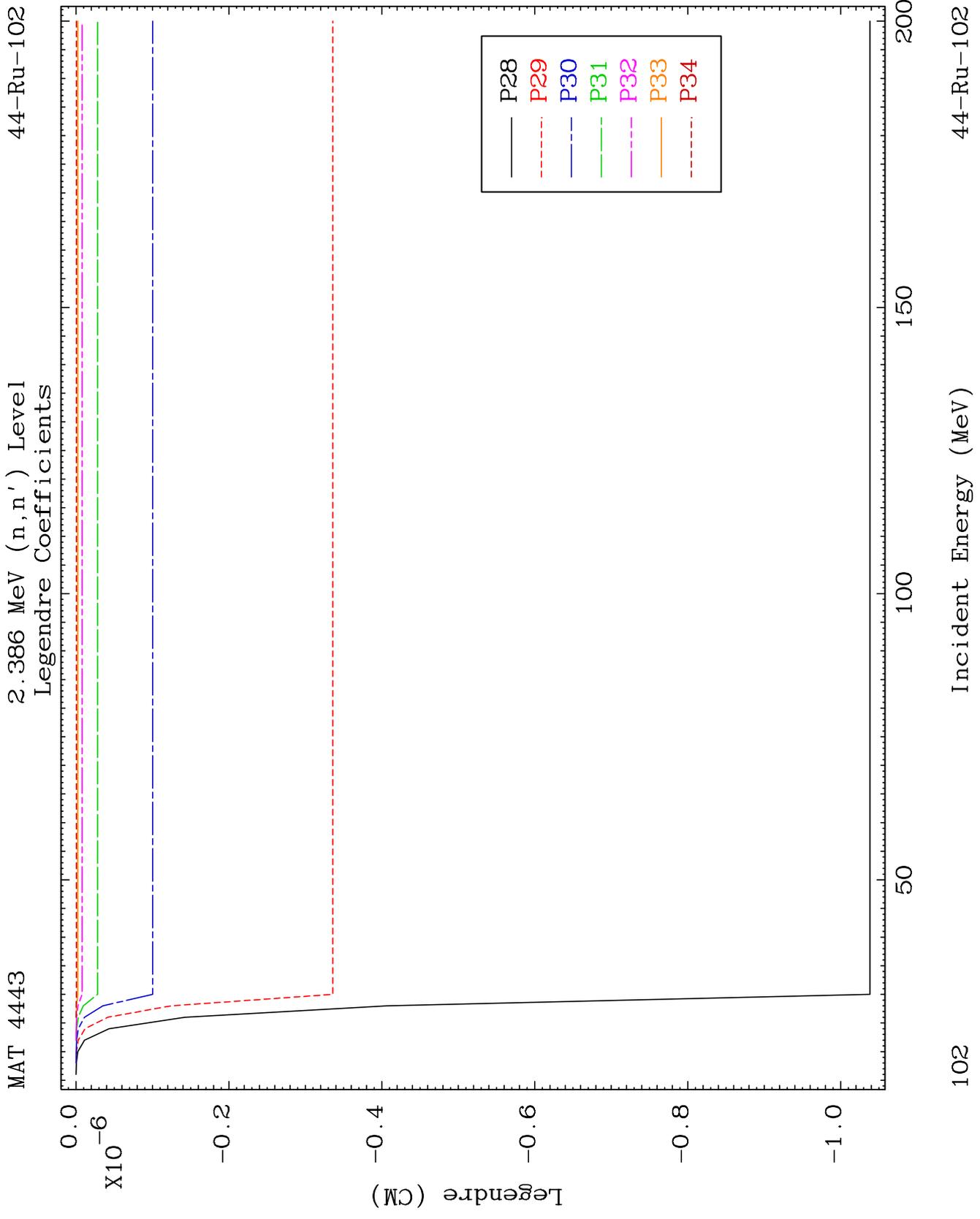
44-Ru-102

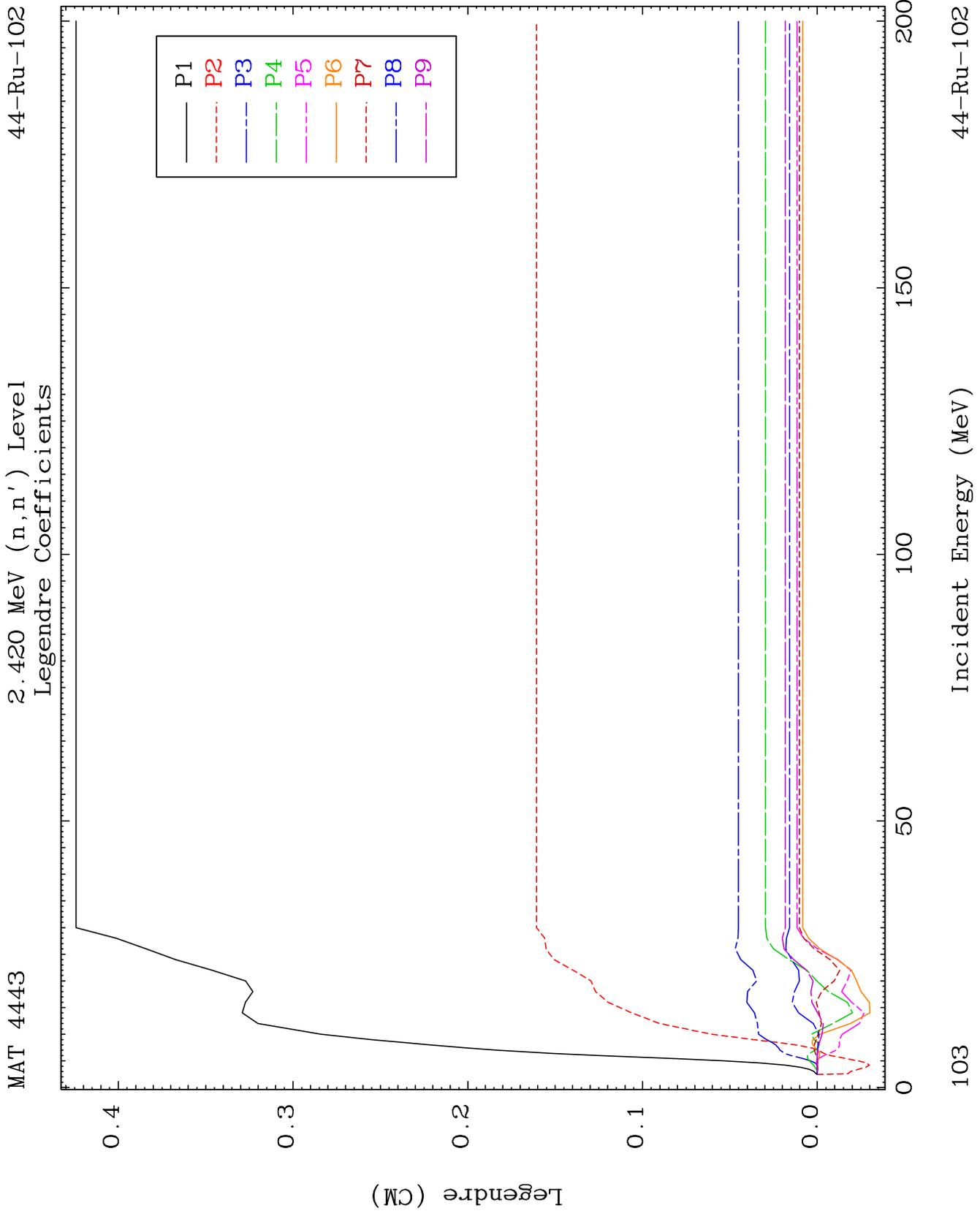


44-Ru-102

Incident Energy (MeV)



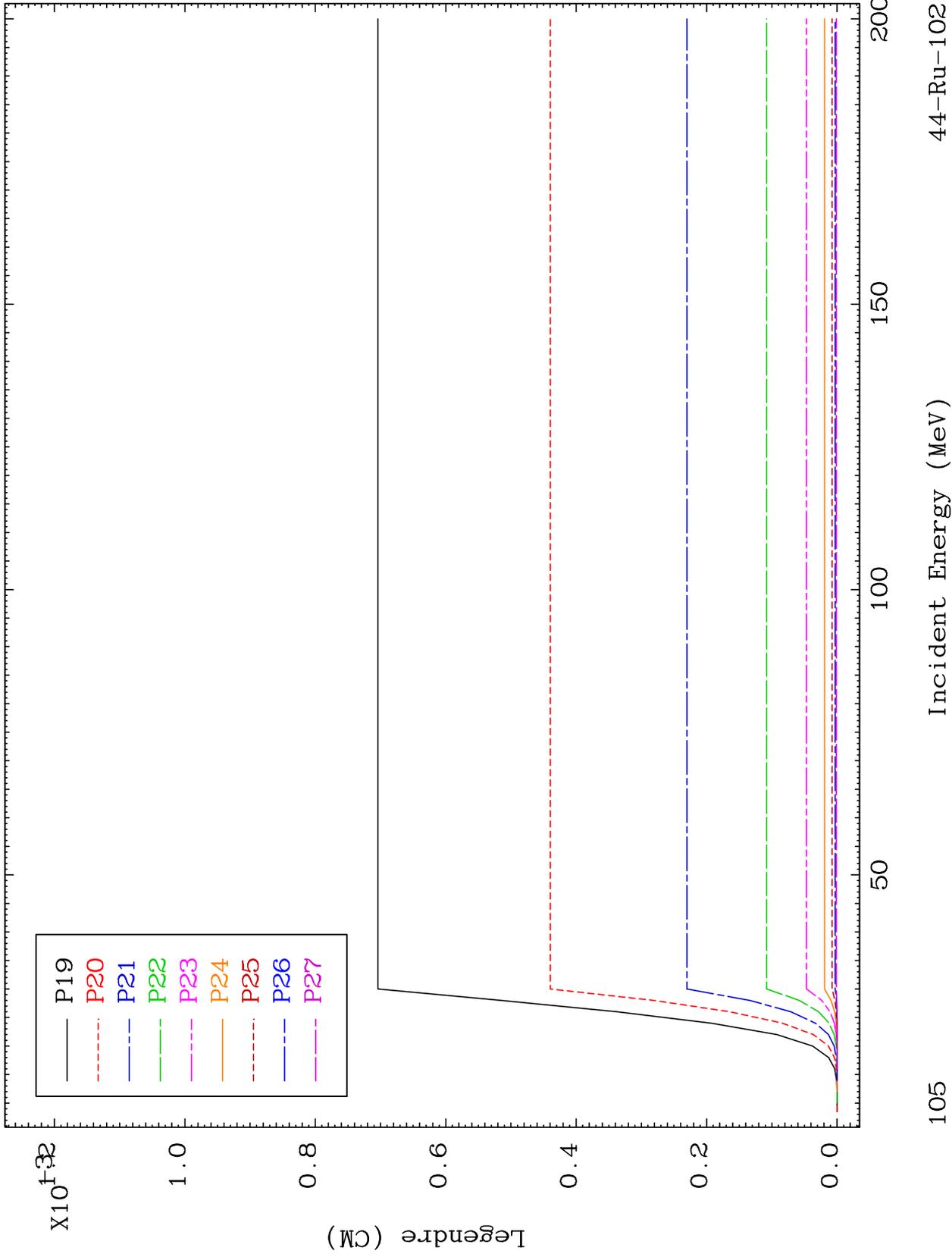




MAT 4443

2.420 MeV (n, n') Level
Legendre Coefficients

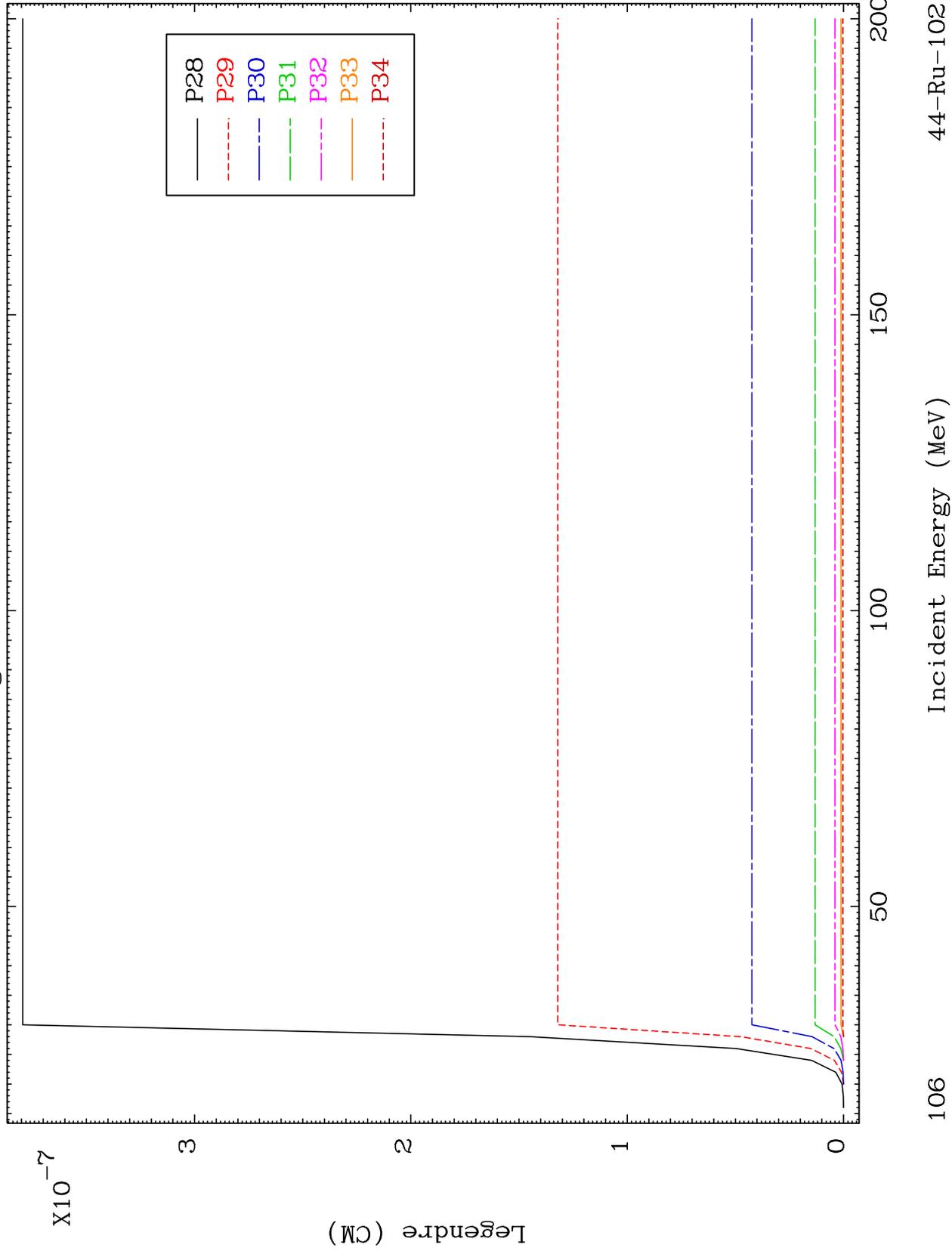
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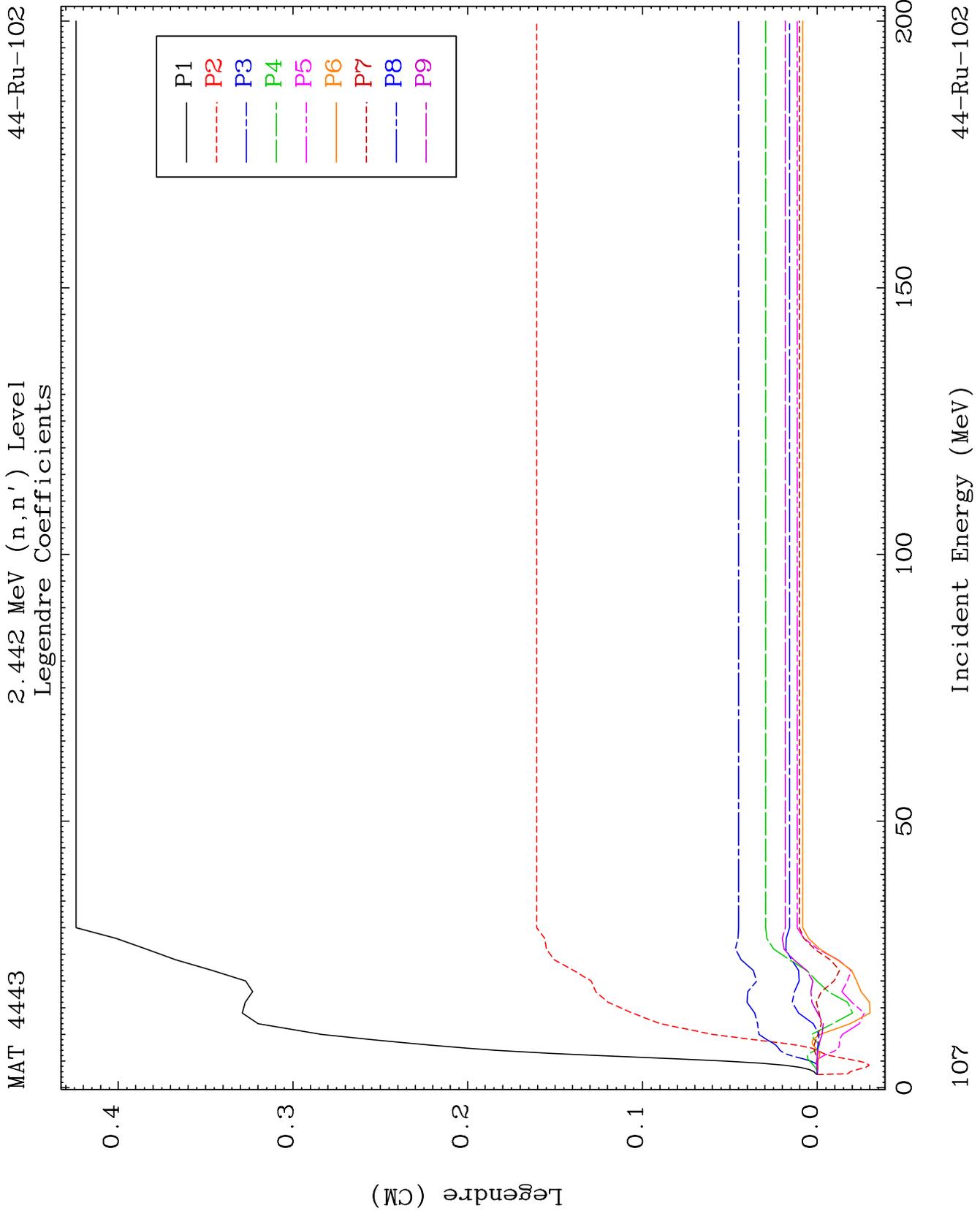
MAT 4443

2.420 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



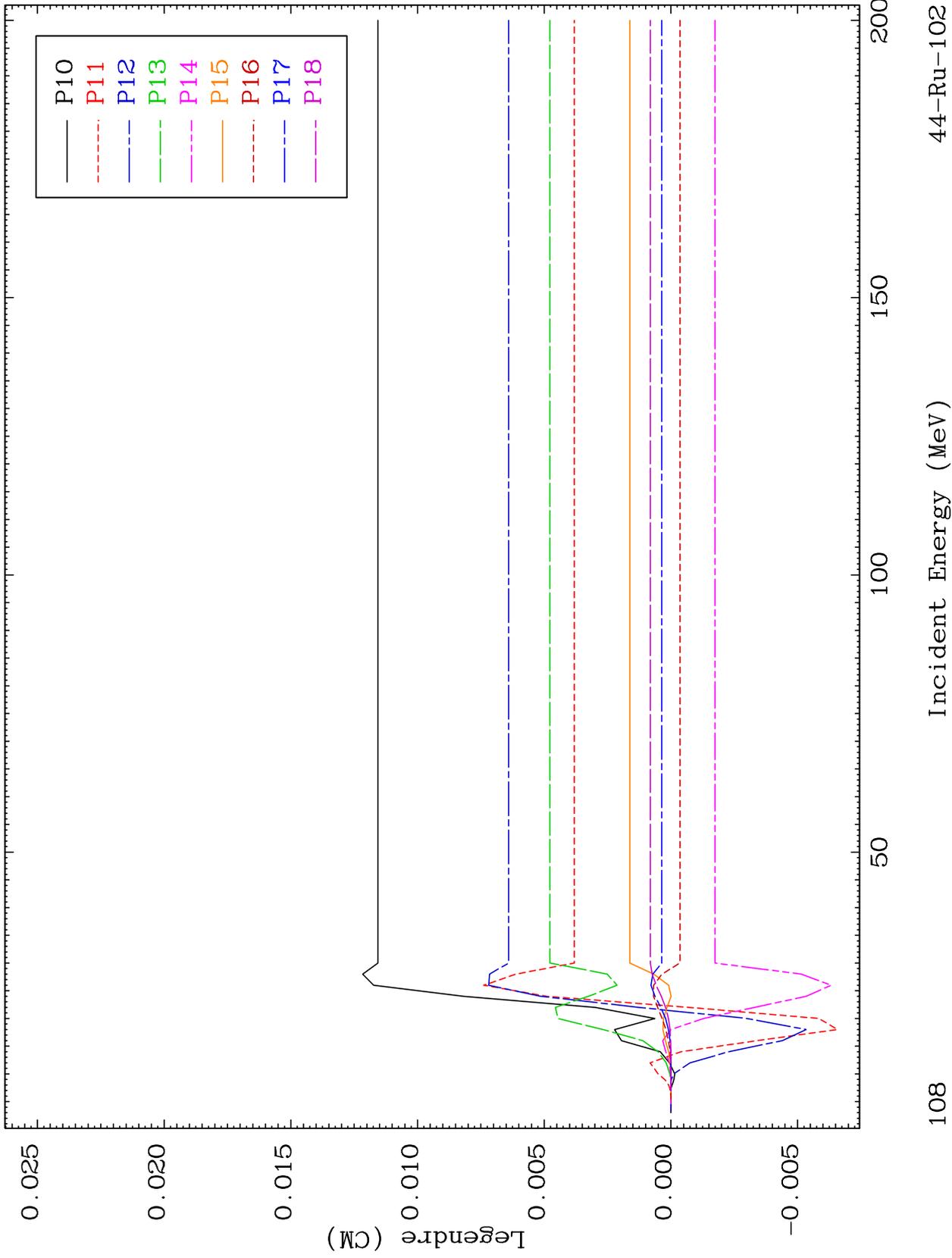
106



MAT 4443

2.442 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



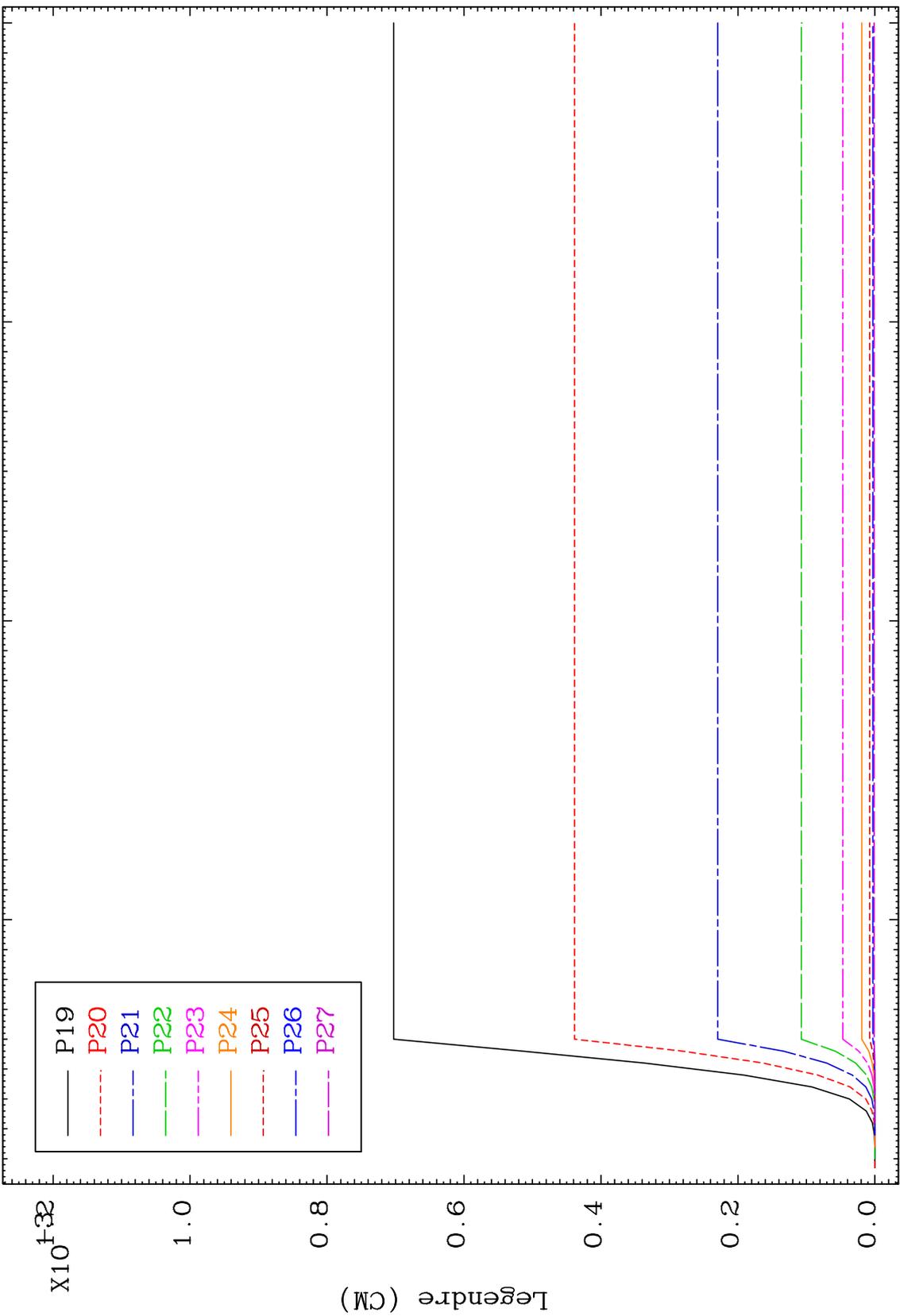
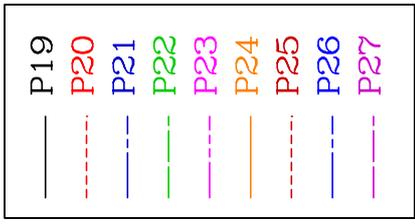
108

44-Ru-102

MAT 4443

2.442 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



109

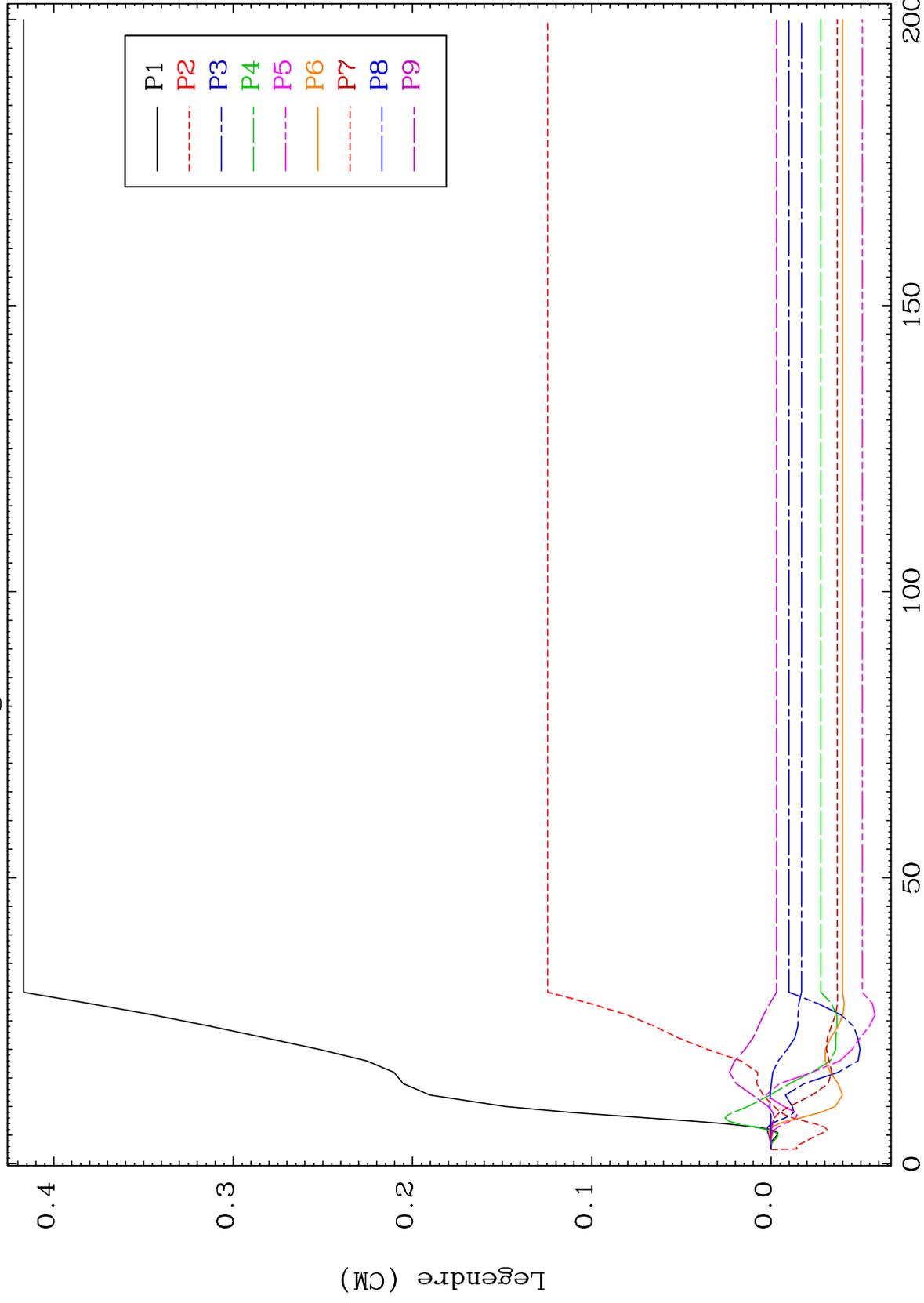
Incident Energy (MeV)

44-Ru-102

MAT 4443

2.460 MeV (n,n') Level
Legendre Coefficients

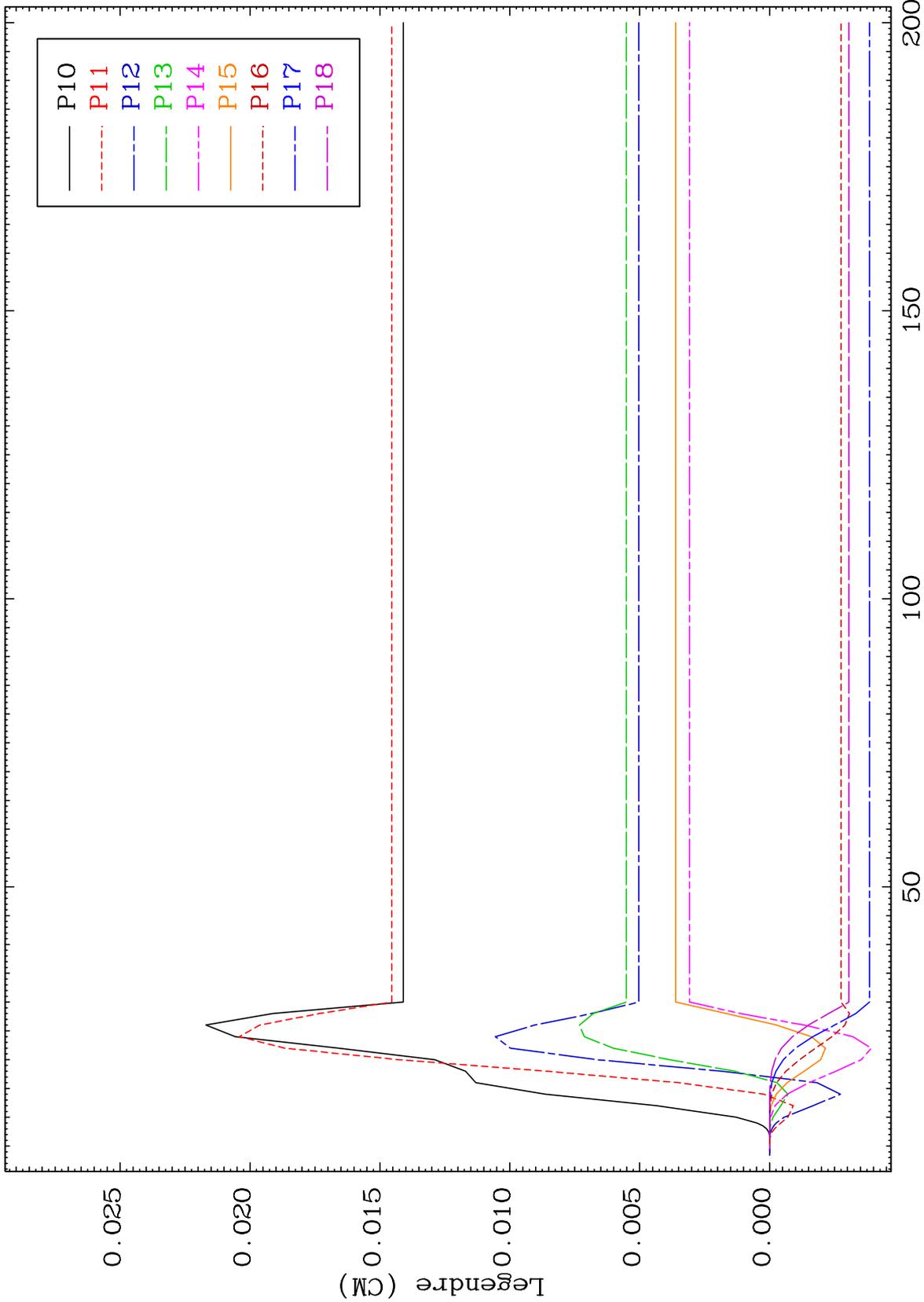
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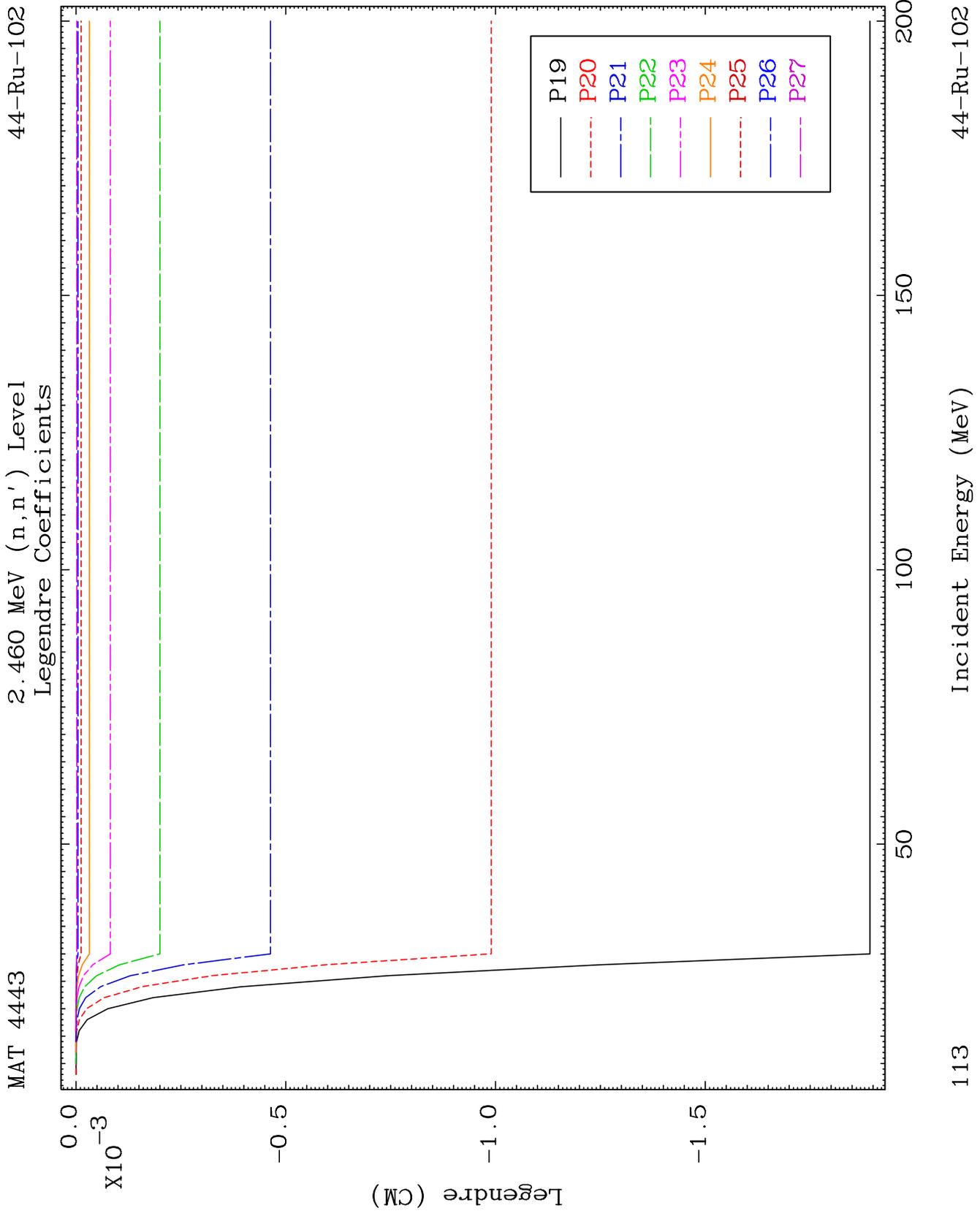


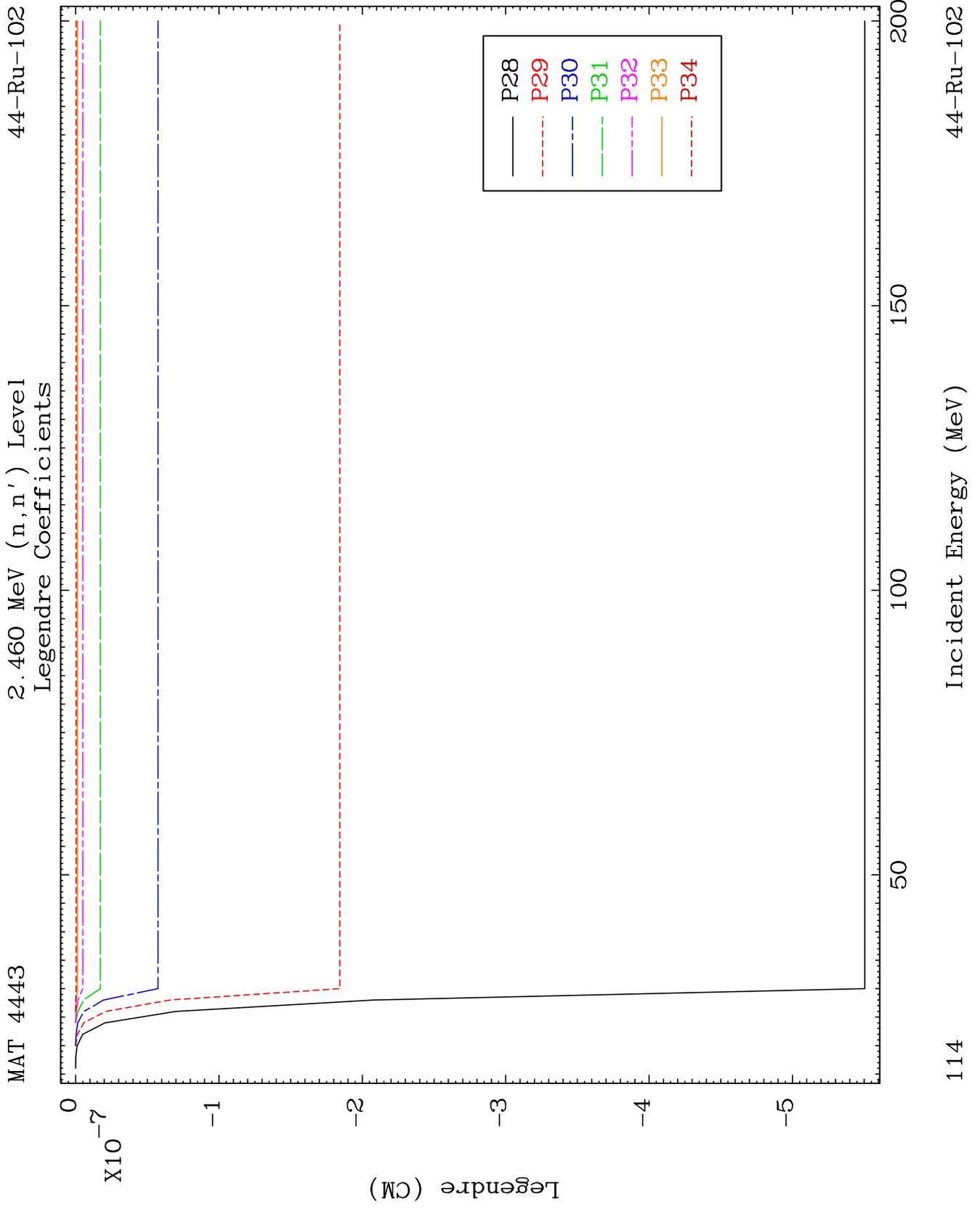
111

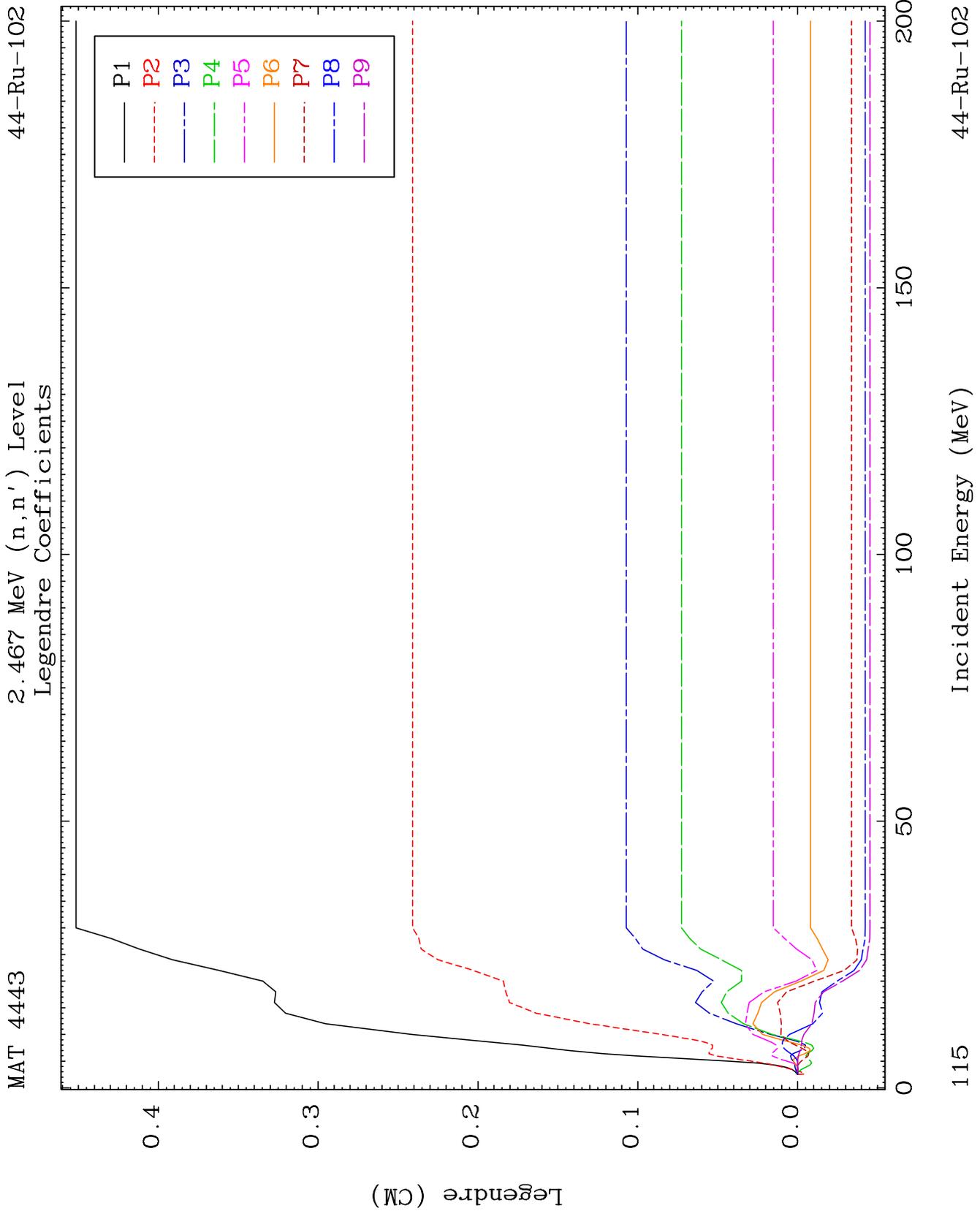
Incident Energy (MeV)

44-Ru-102





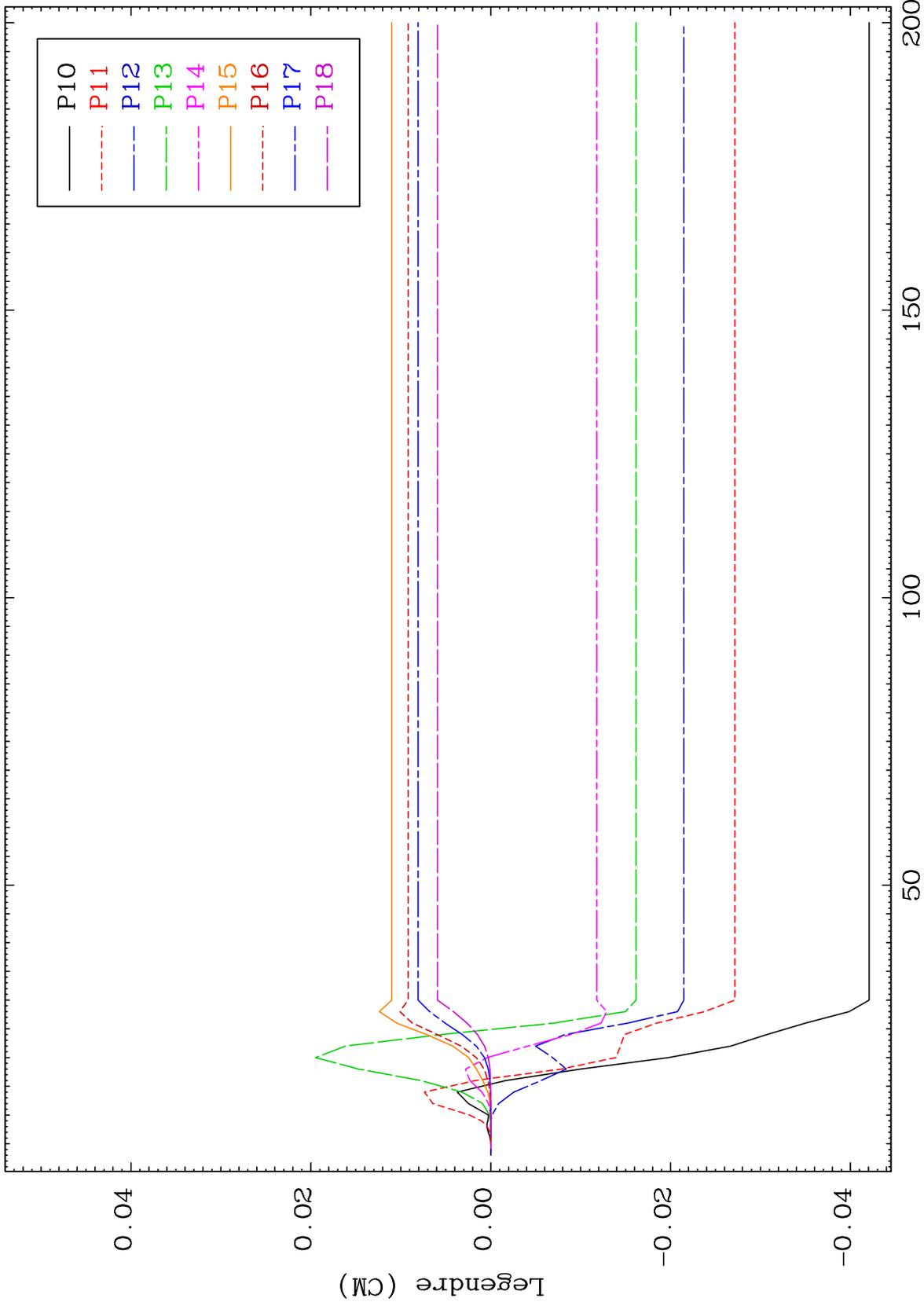




MAT 4443

2.467 MeV (n,n') Level
Legendre Coefficients

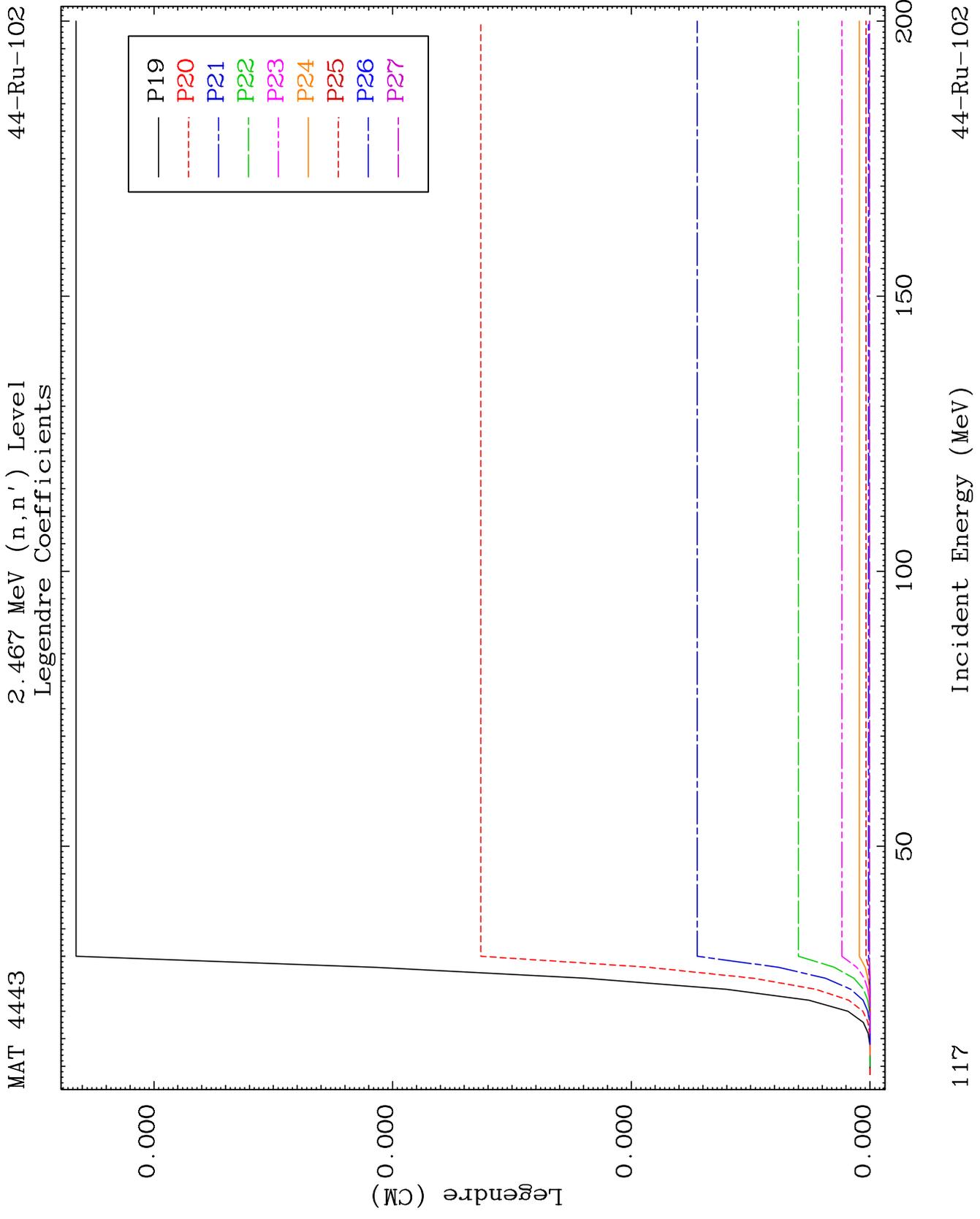
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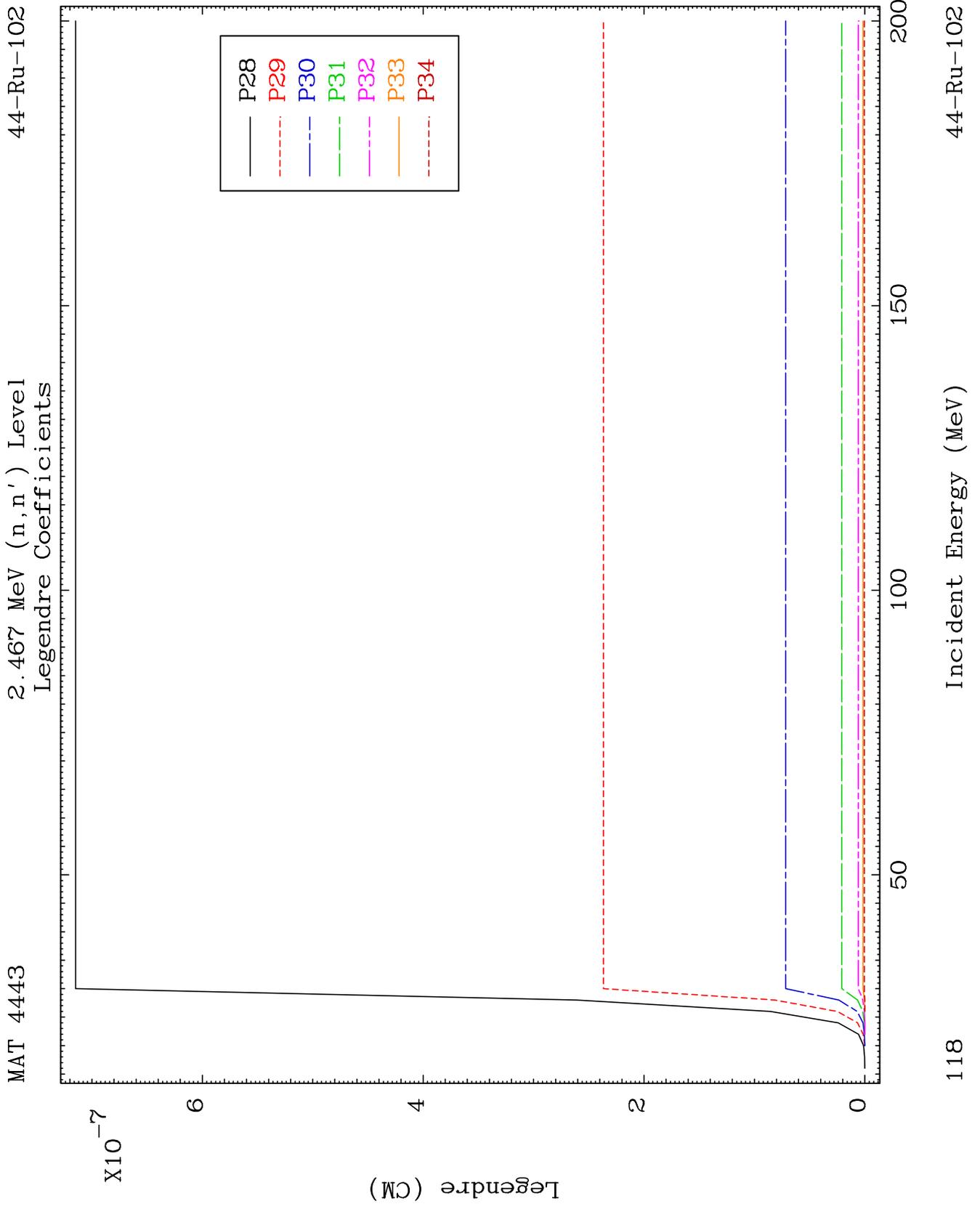


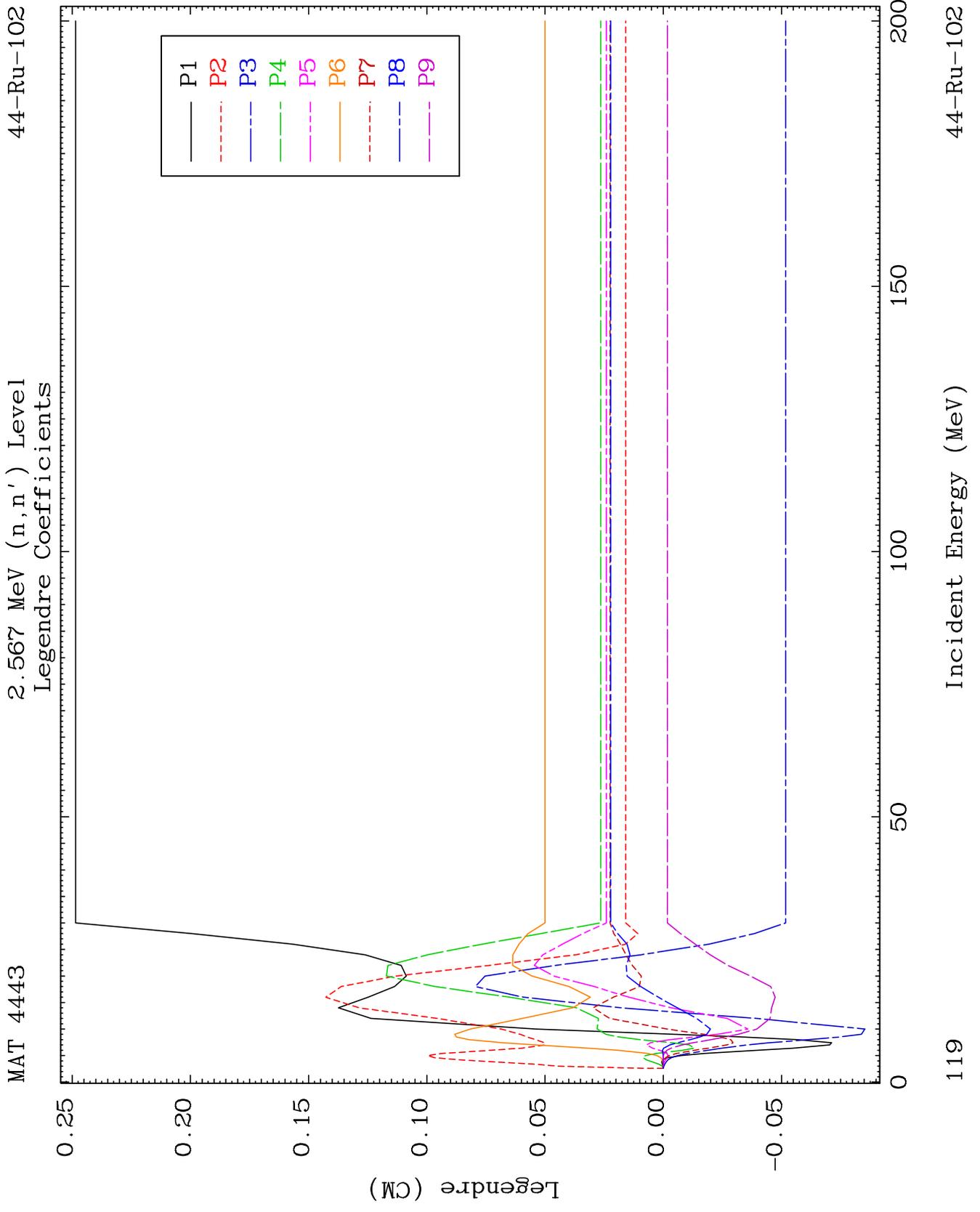
116

Incident Energy (MeV)

44-Ru-102



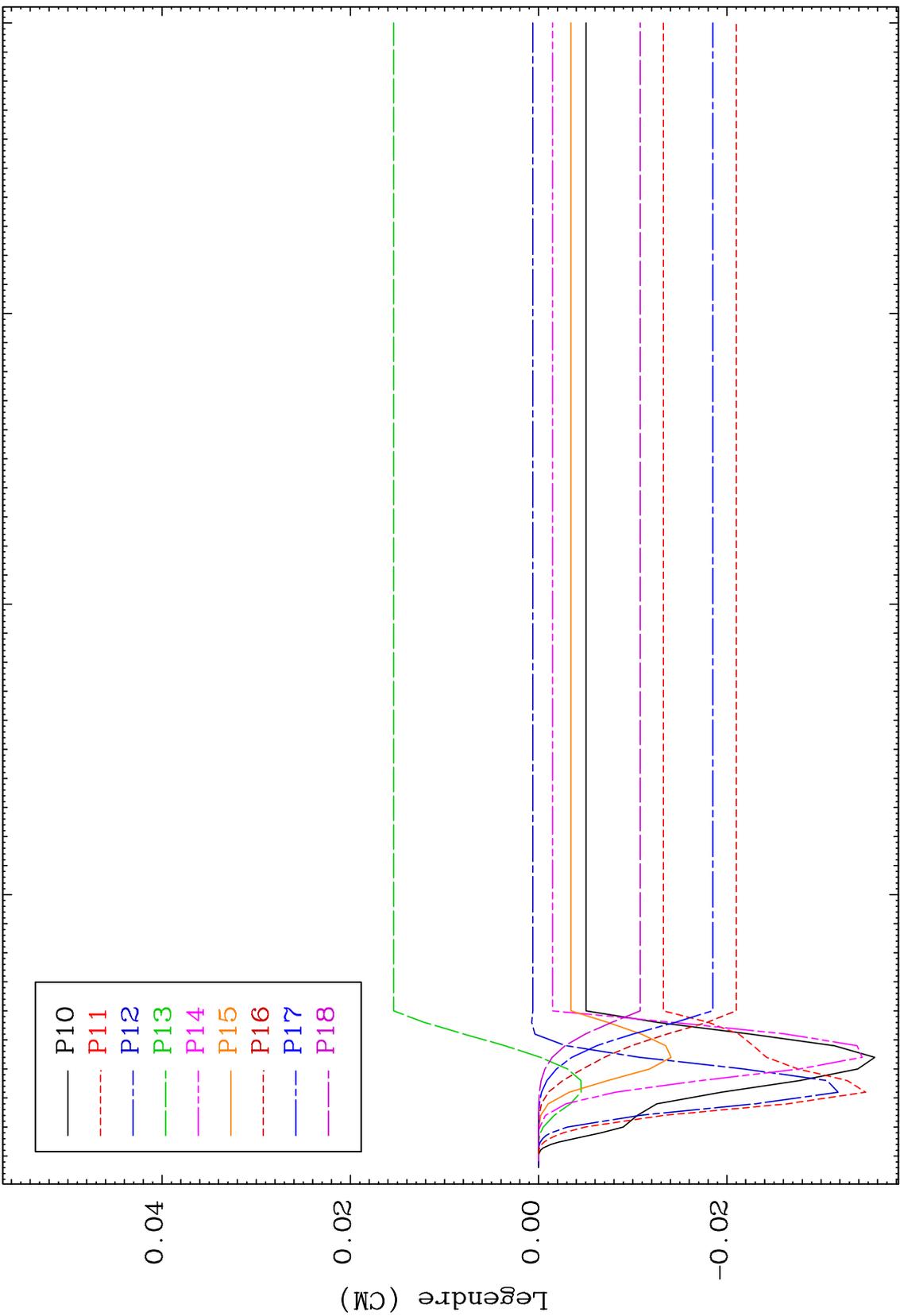




MAT 4443

2.567 MeV (n, n') Level
Legendre Coefficients

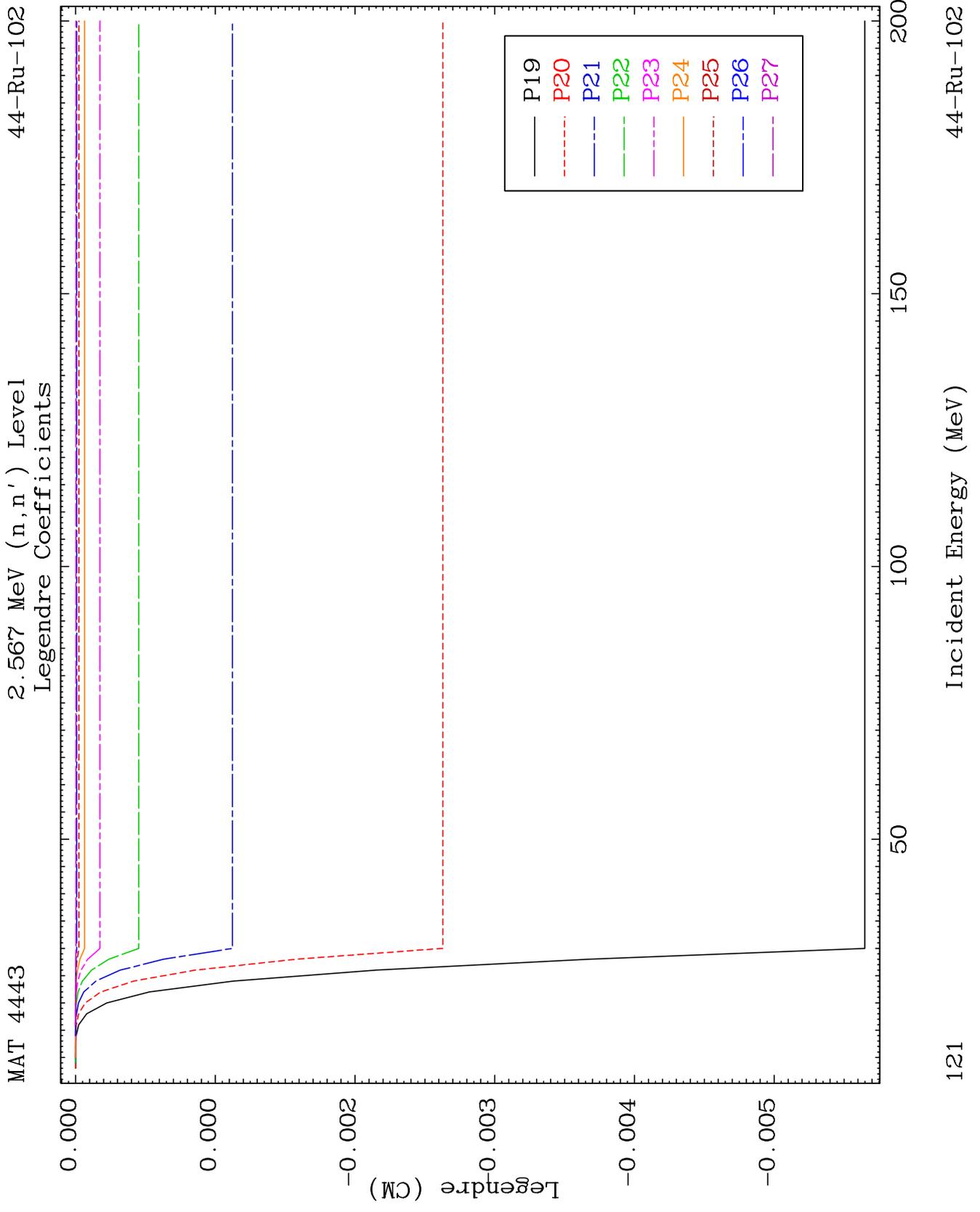
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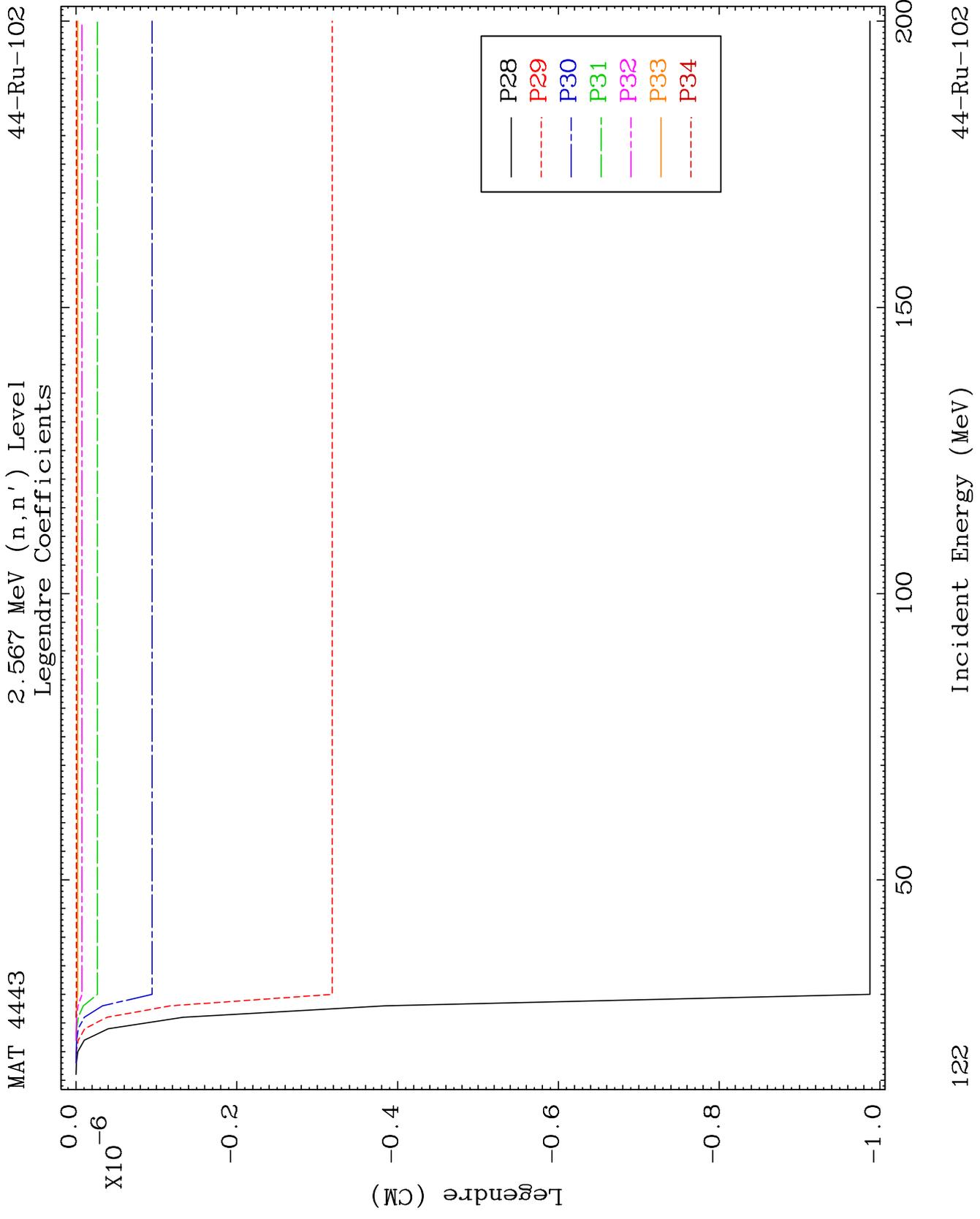


120

Incident Energy (MeV)

44-Ru-102

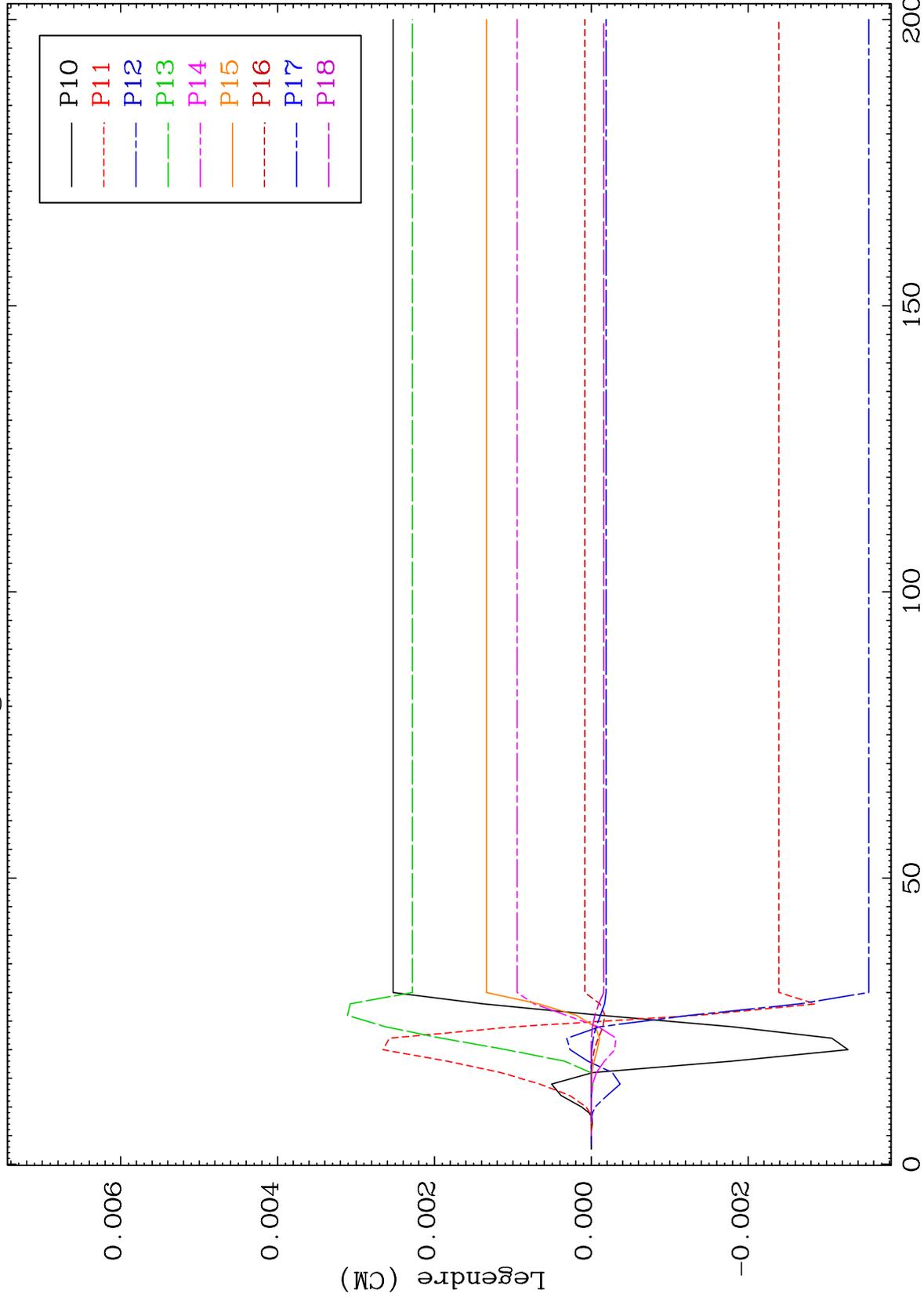




MAT 4443

2.586 MeV (n,n') Level
Legendre Coefficients

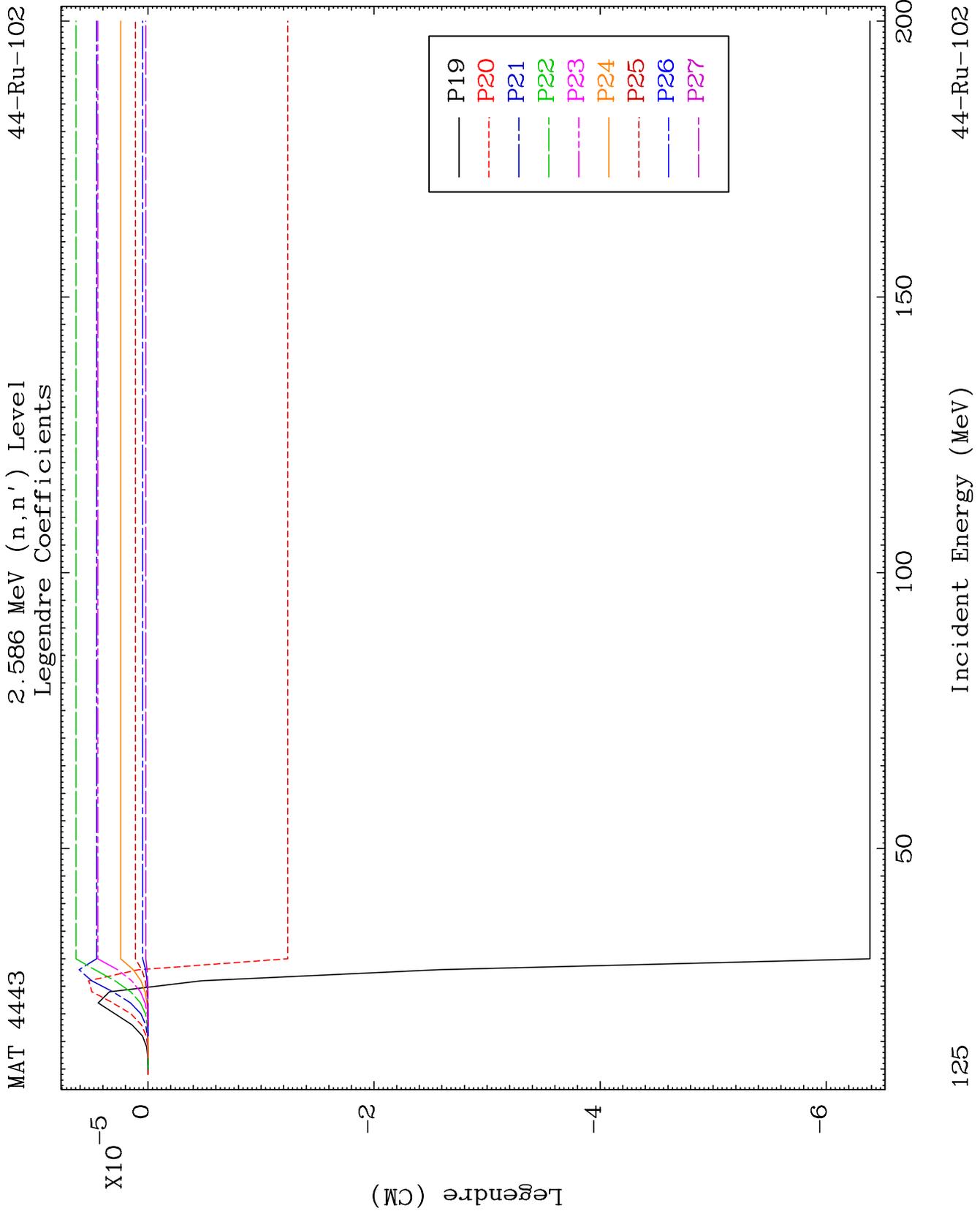
44-Ru-102



124

Incident Energy (MeV)

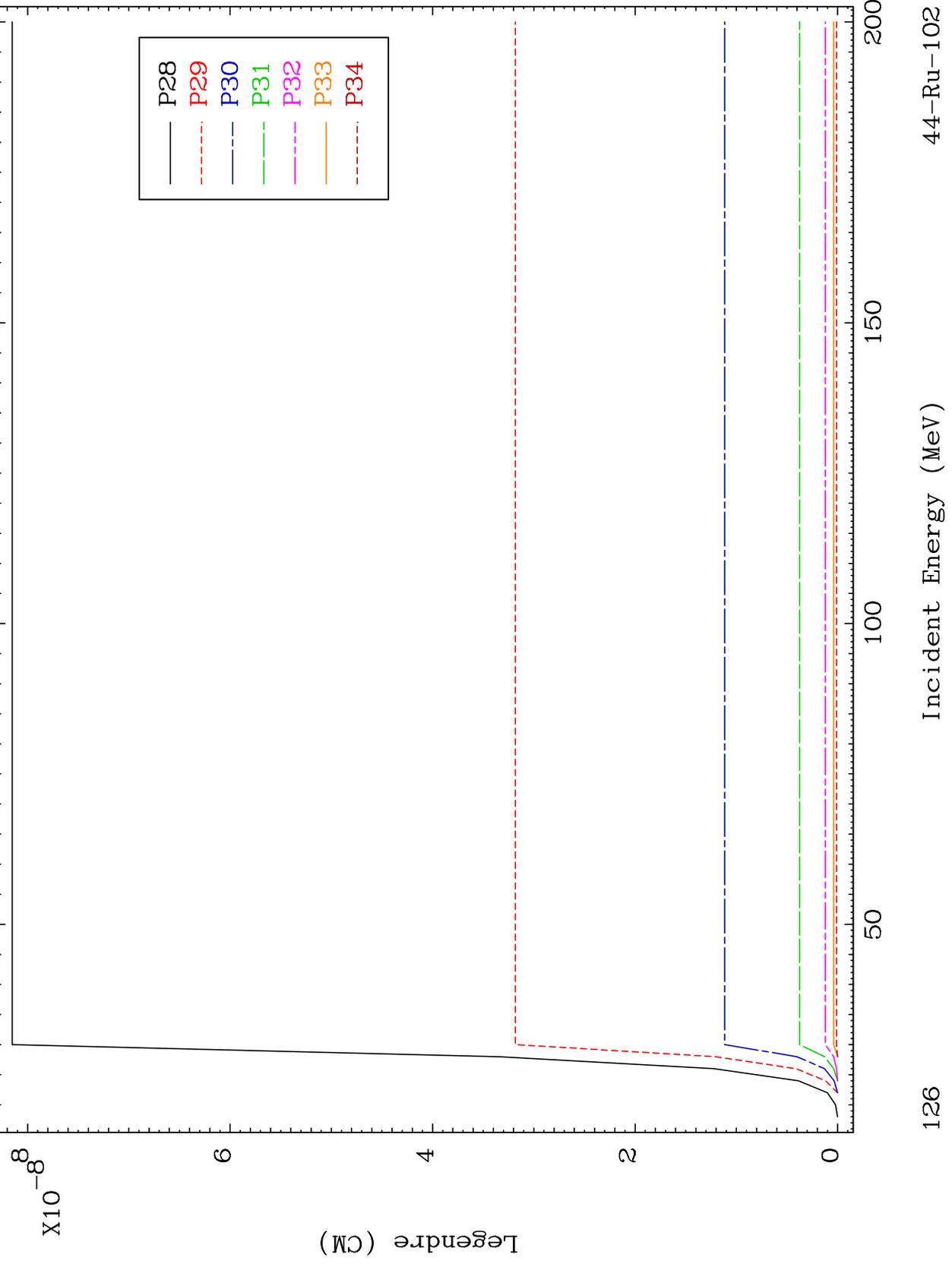
44-Ru-102



MAT 4443

2.586 MeV (n, n') Level
Legendre Coefficients

44-Ru-102



126

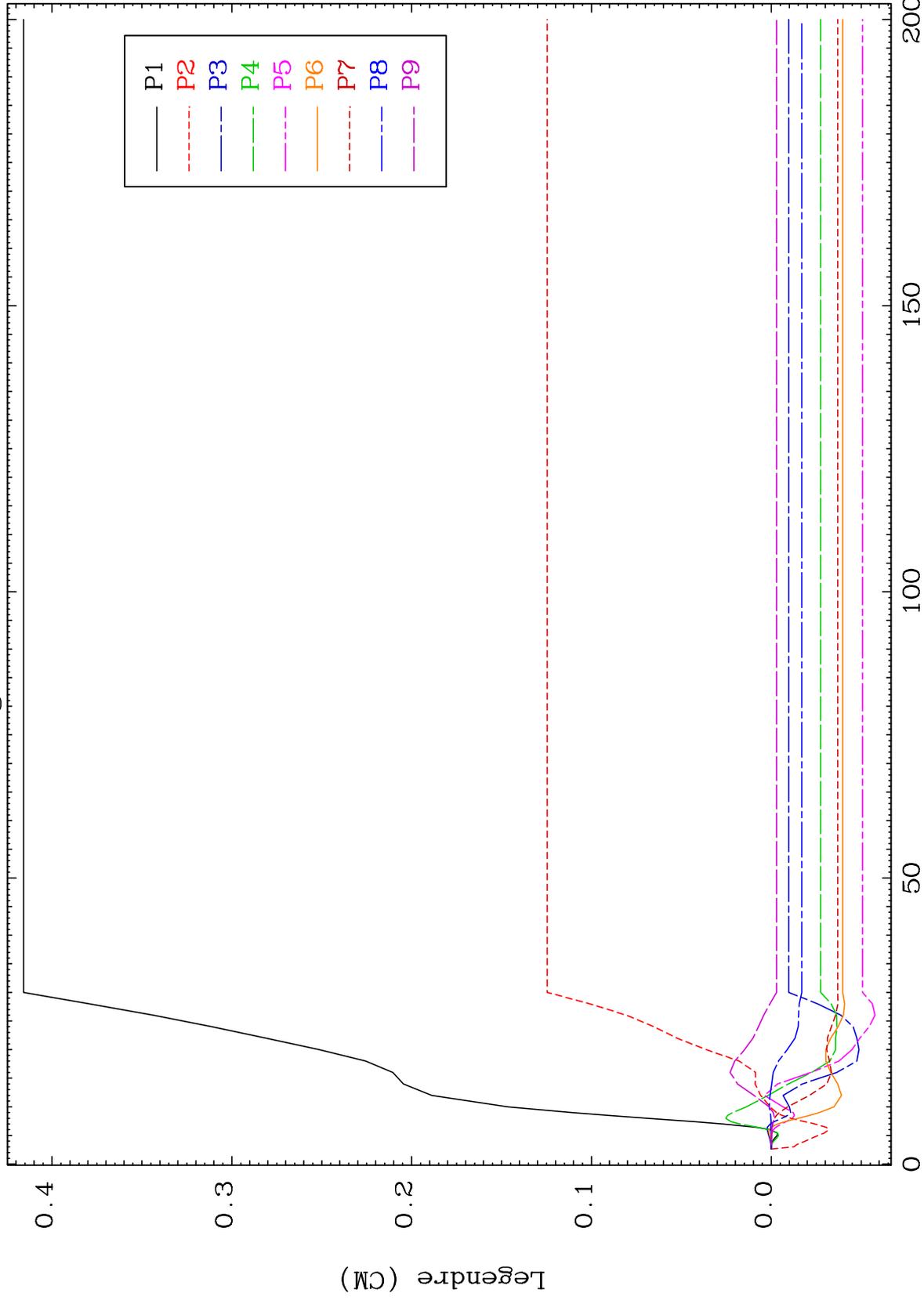
Incident Energy (MeV)

44-Ru-102

MAT 4443

2.592 MeV (n,n') Level
Legendre Coefficients

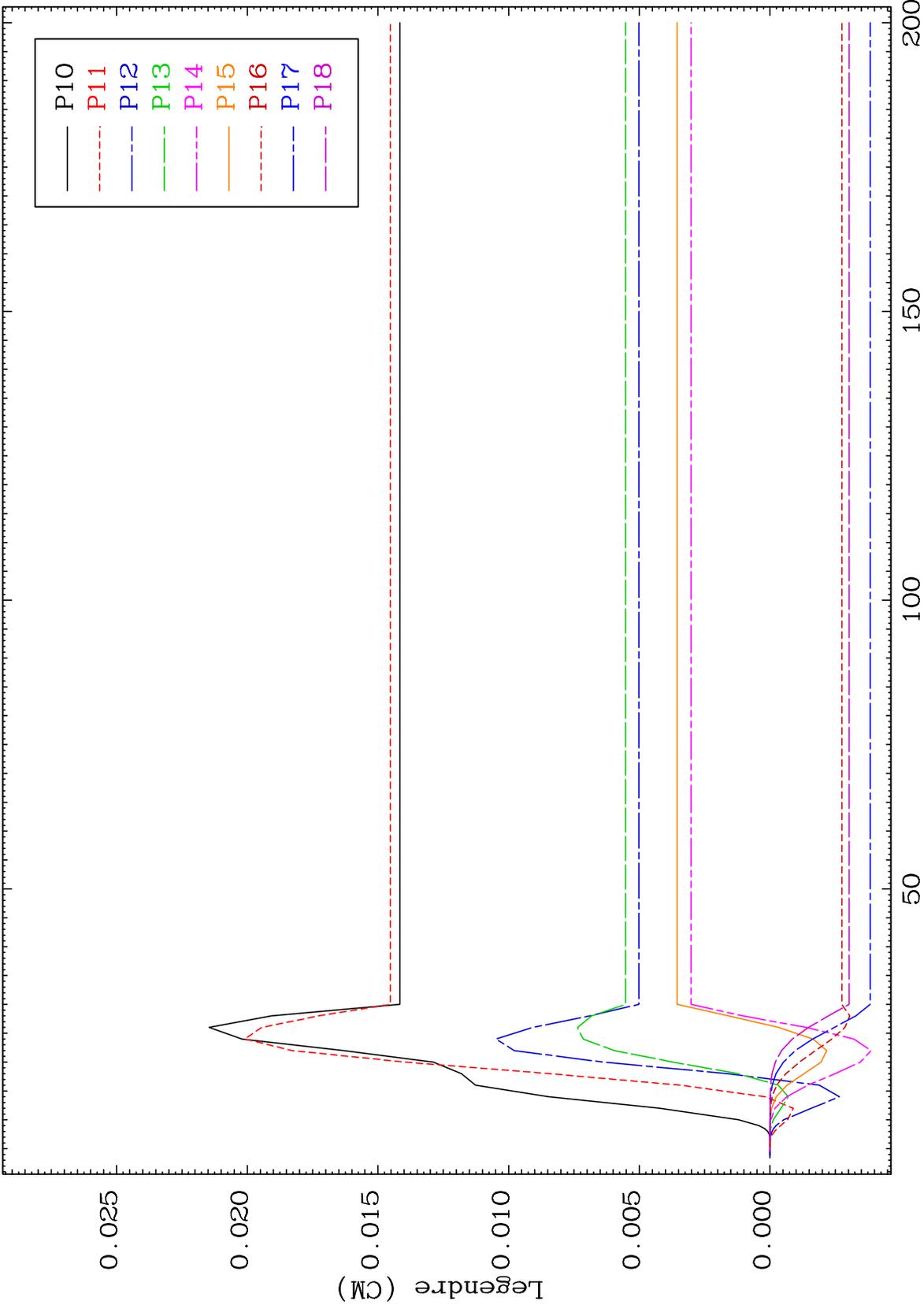
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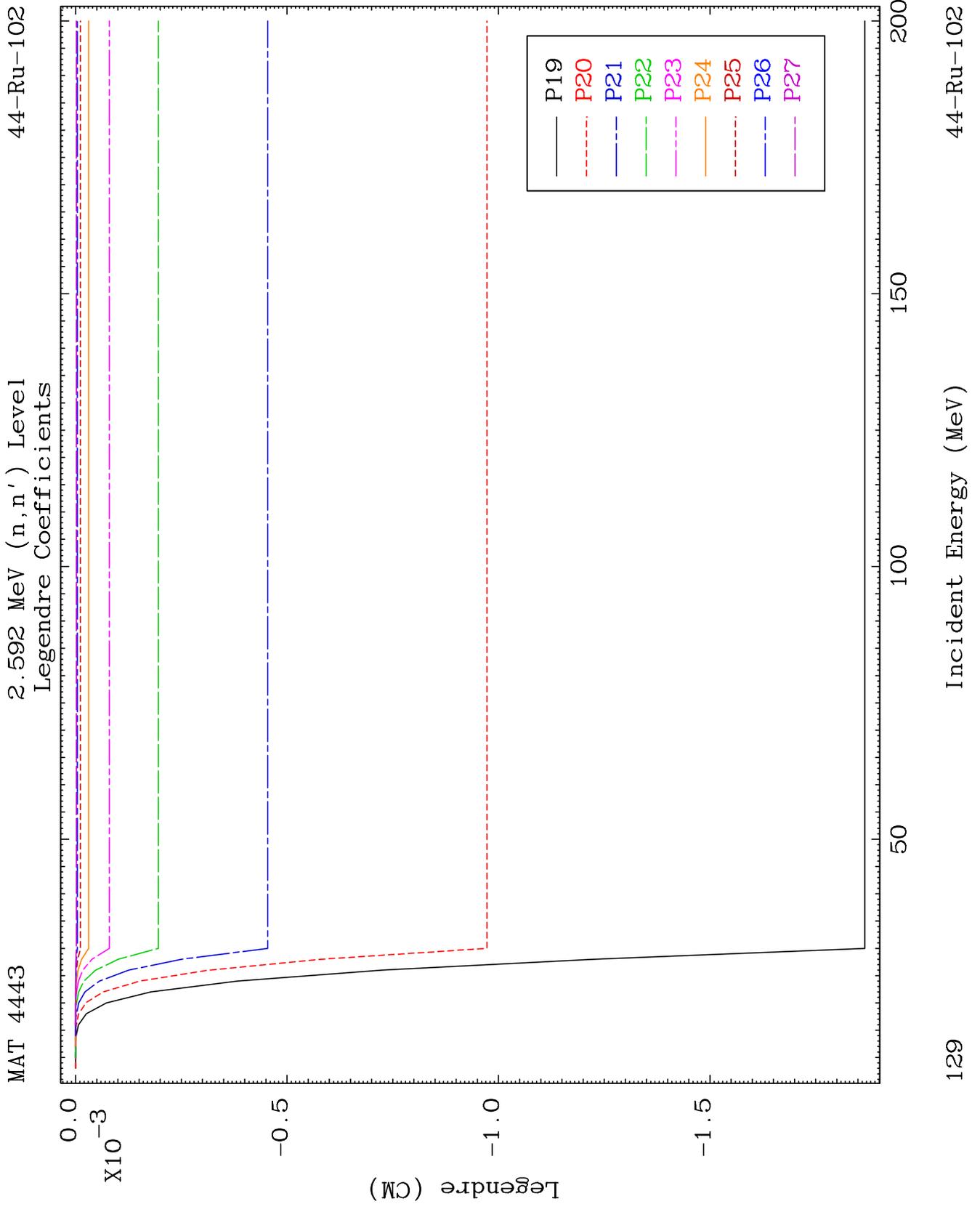


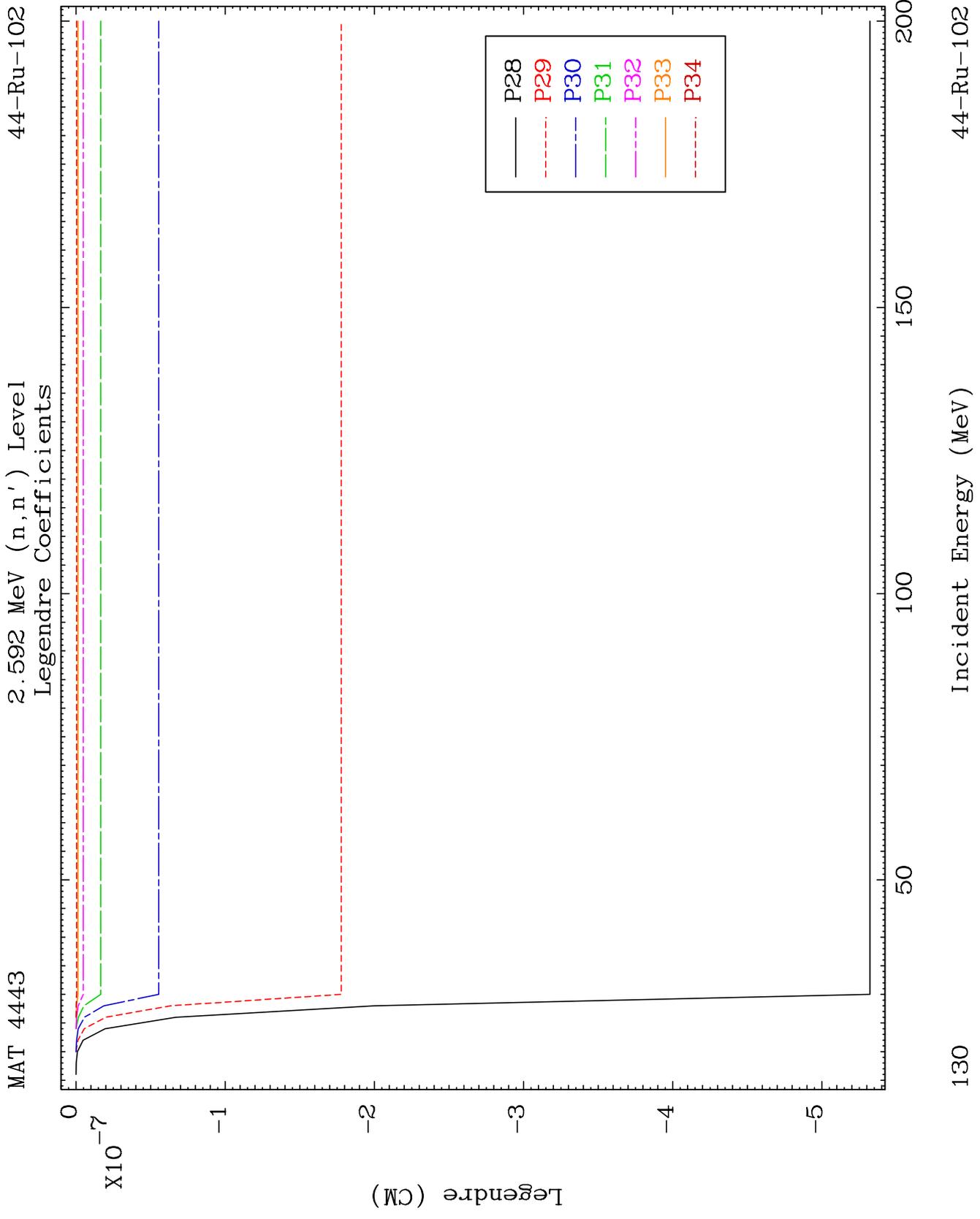
127

Incident Energy (MeV)

44-Ru-102



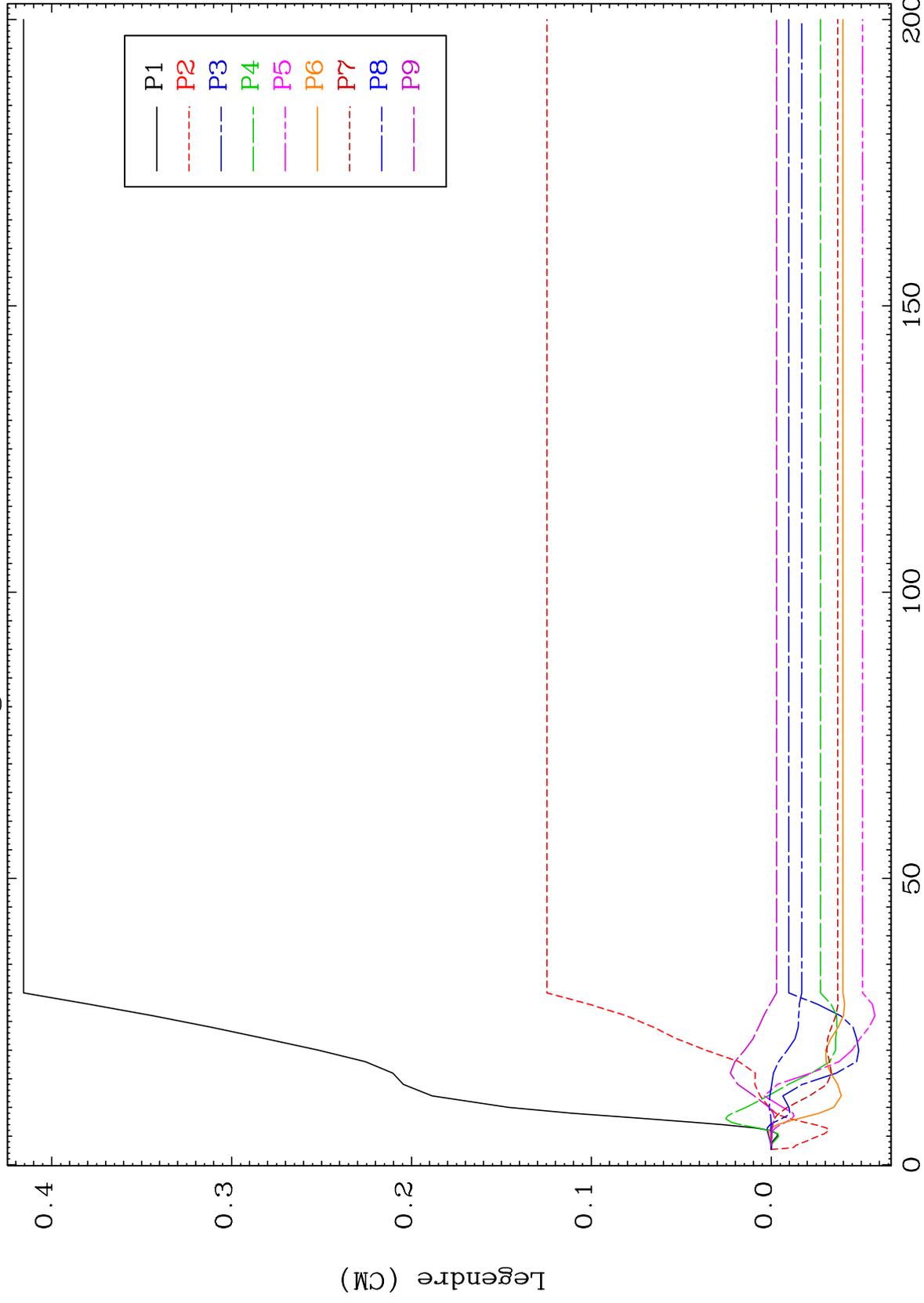




MAT 4443

2.615 MeV (n,n') Level
Legendre Coefficients

44-Ru-102



131

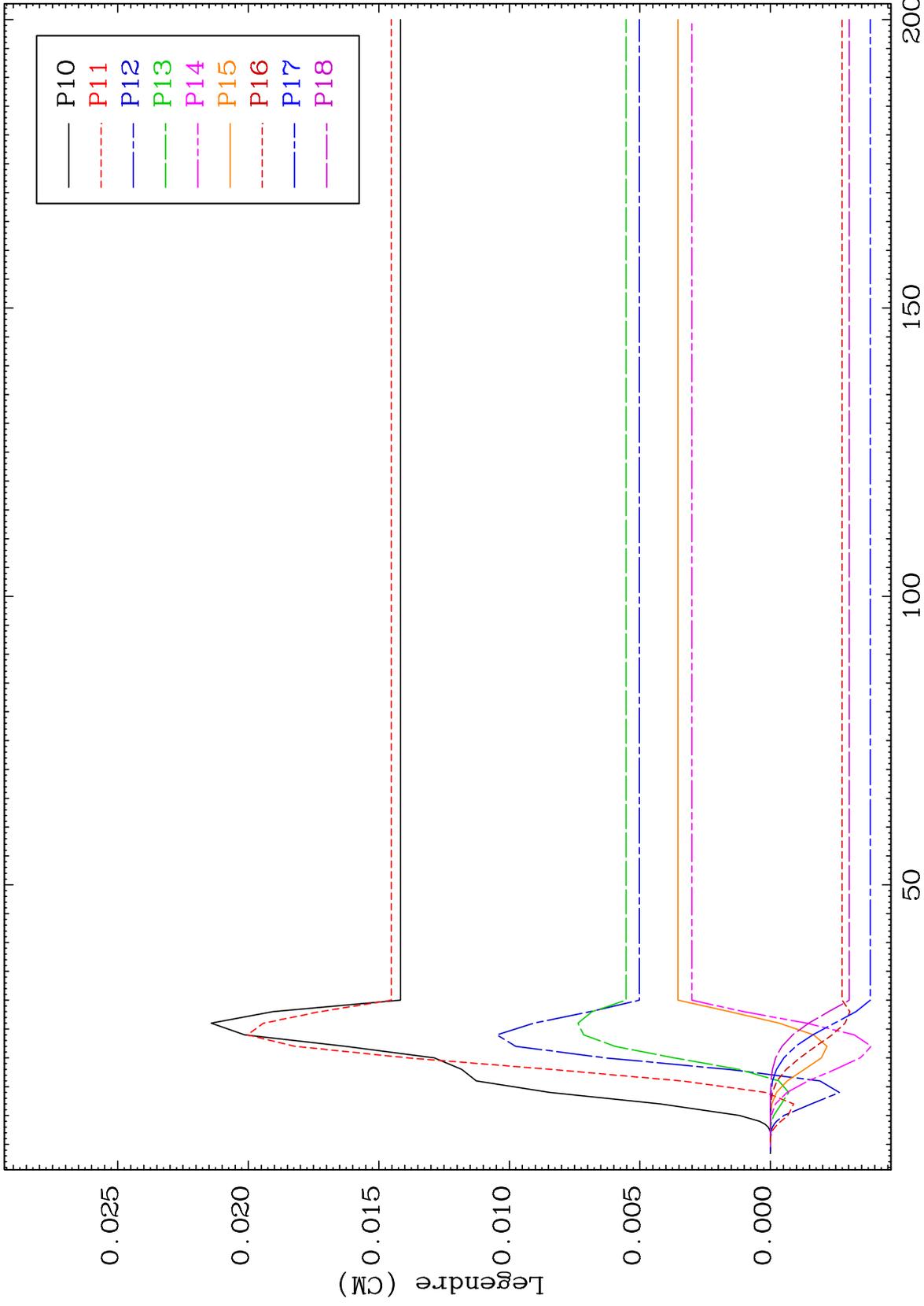
Incident Energy (MeV)

44-Ru-102

MAT 4443

2.615 MeV (n, n') Level
Legendre Coefficients

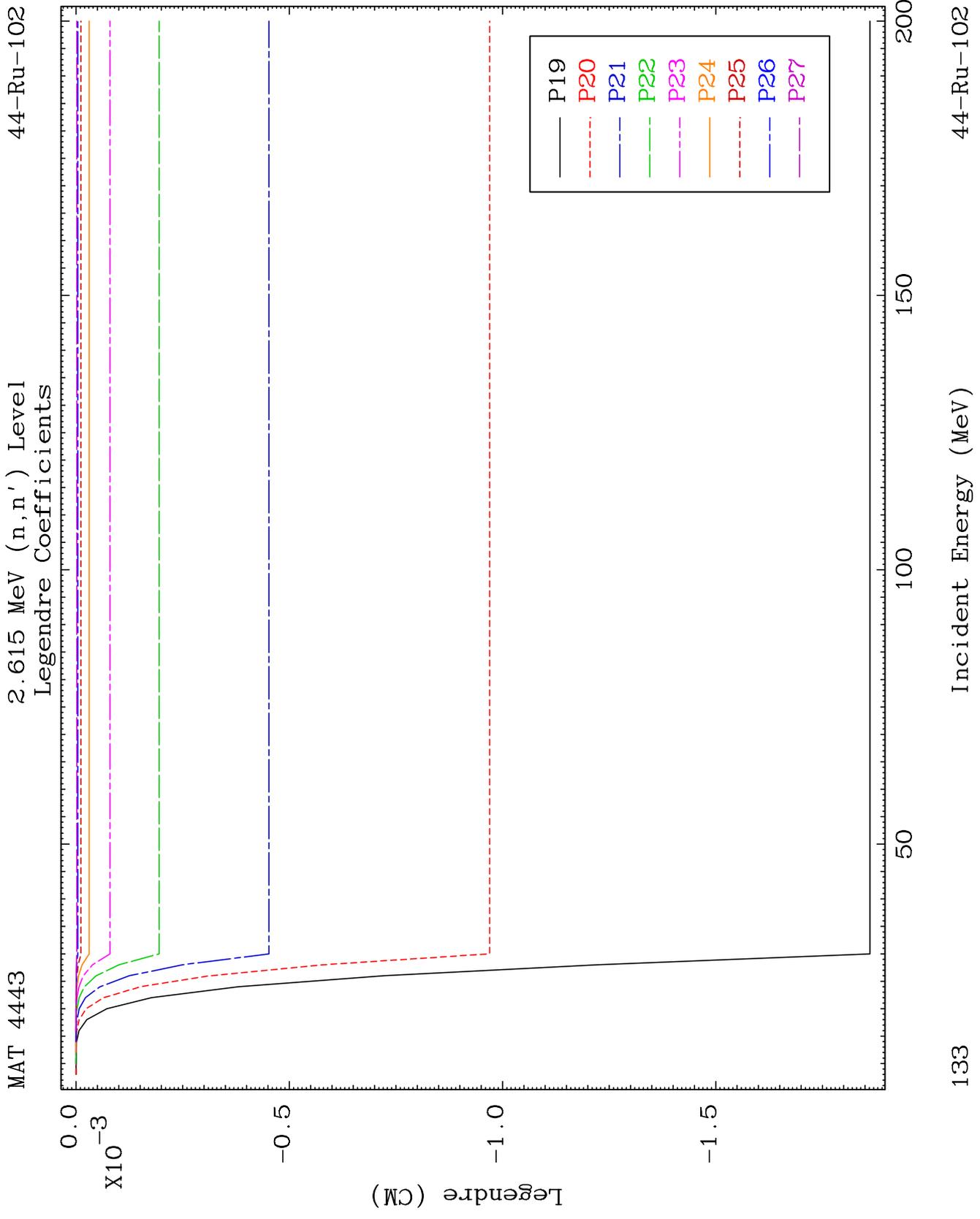
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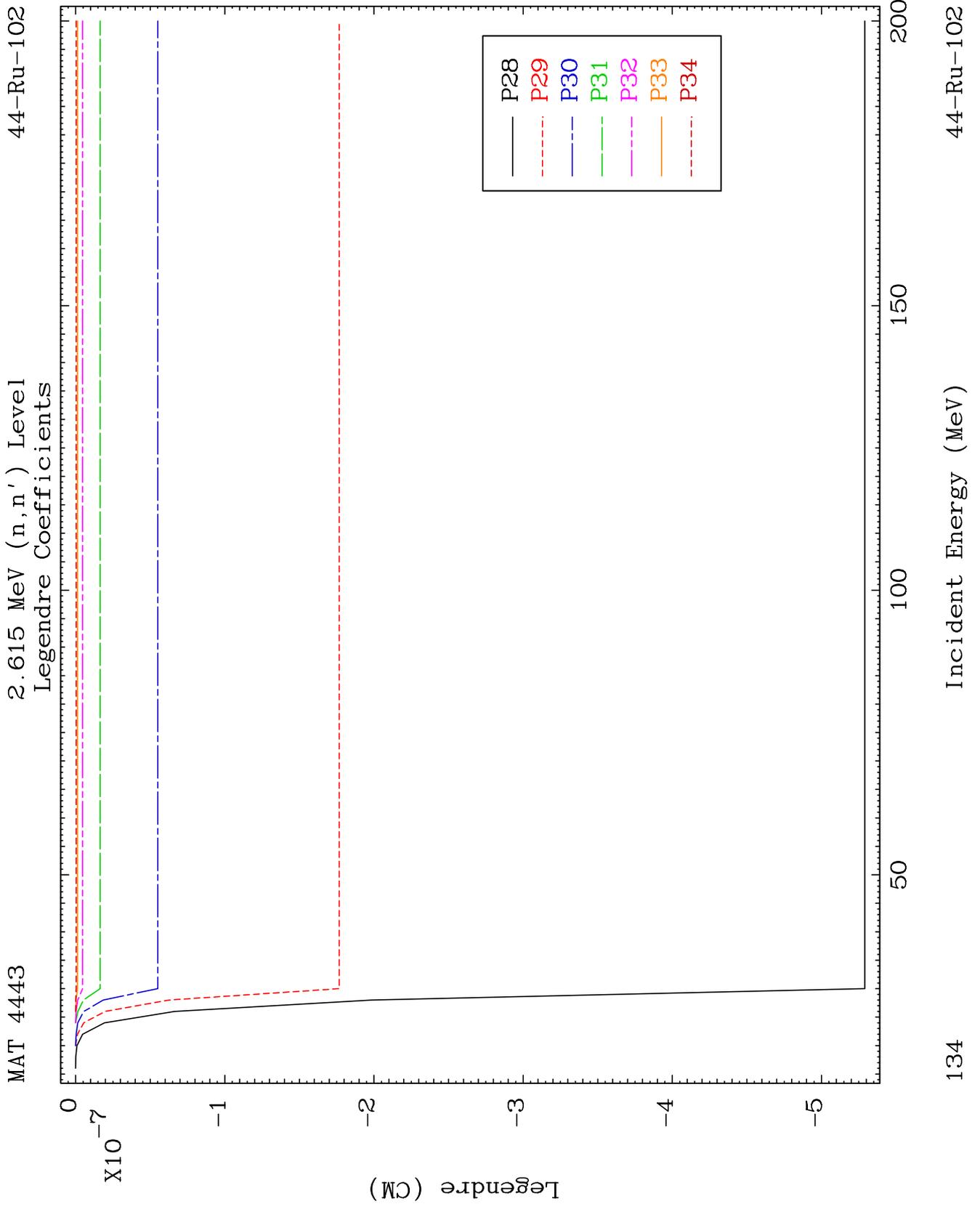


132

Incident Energy (MeV)

44-Ru-102



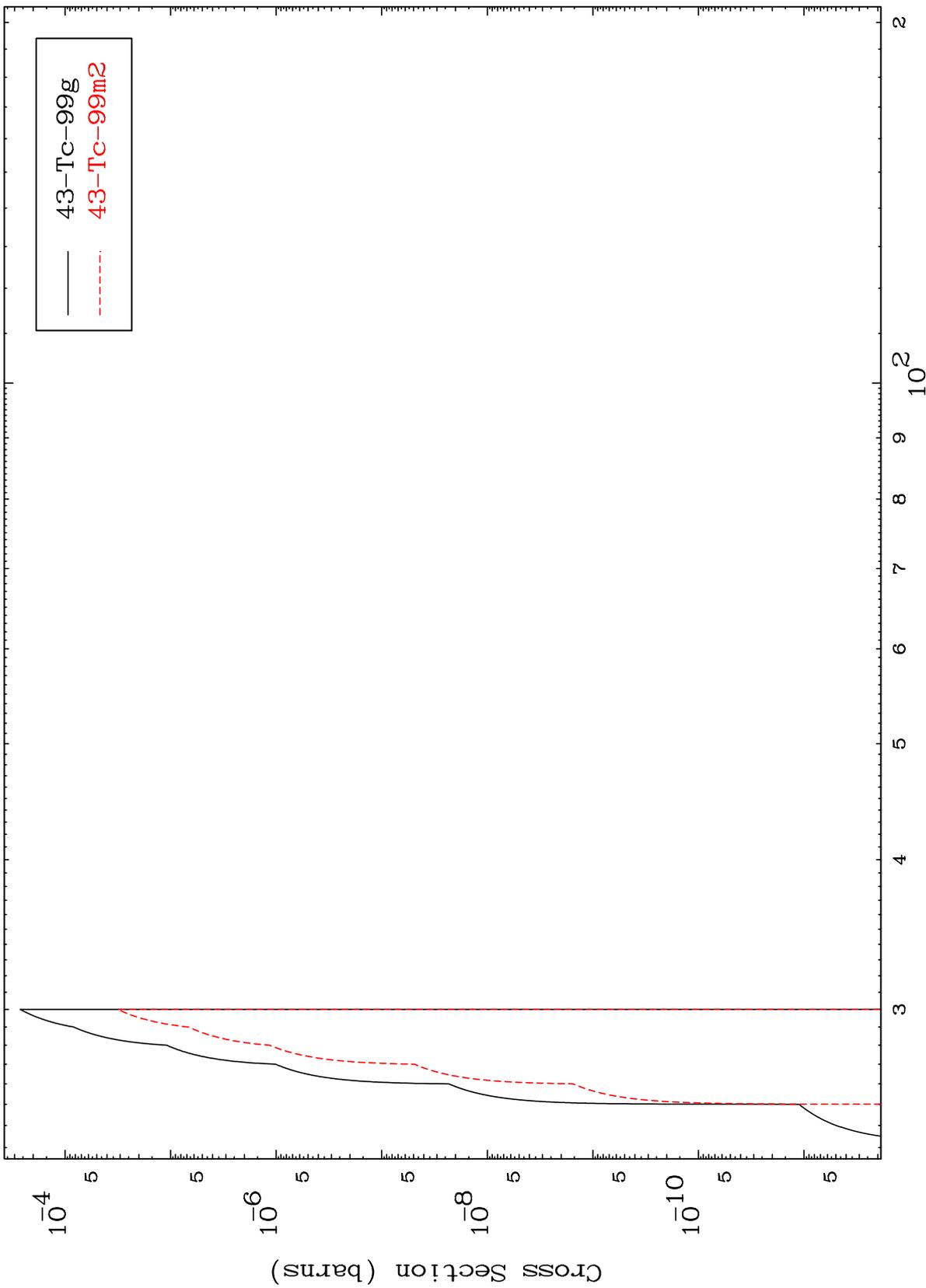


MAT 4443

(n,2n) d

44-Ru-102

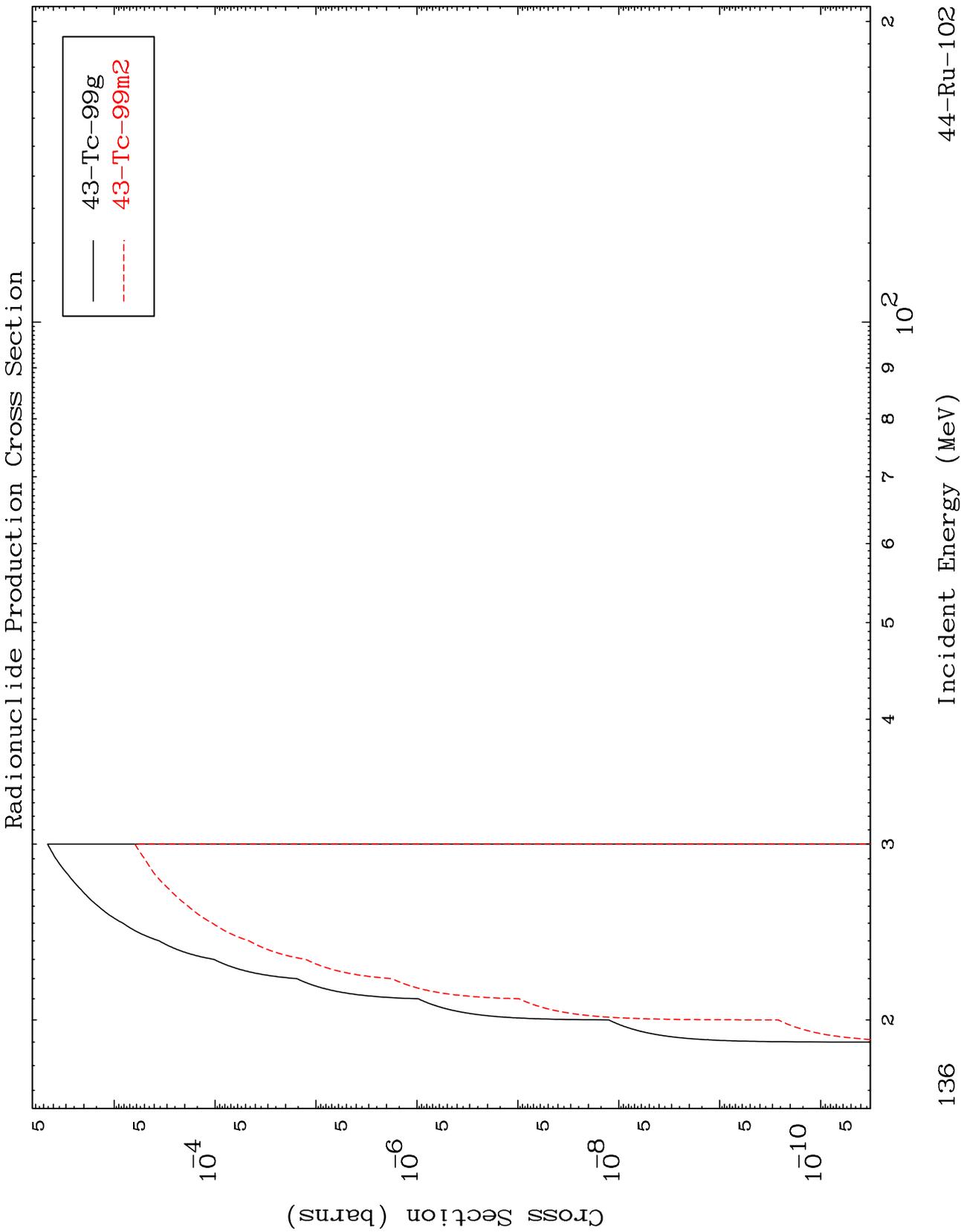
Radionuclide Production Cross Section



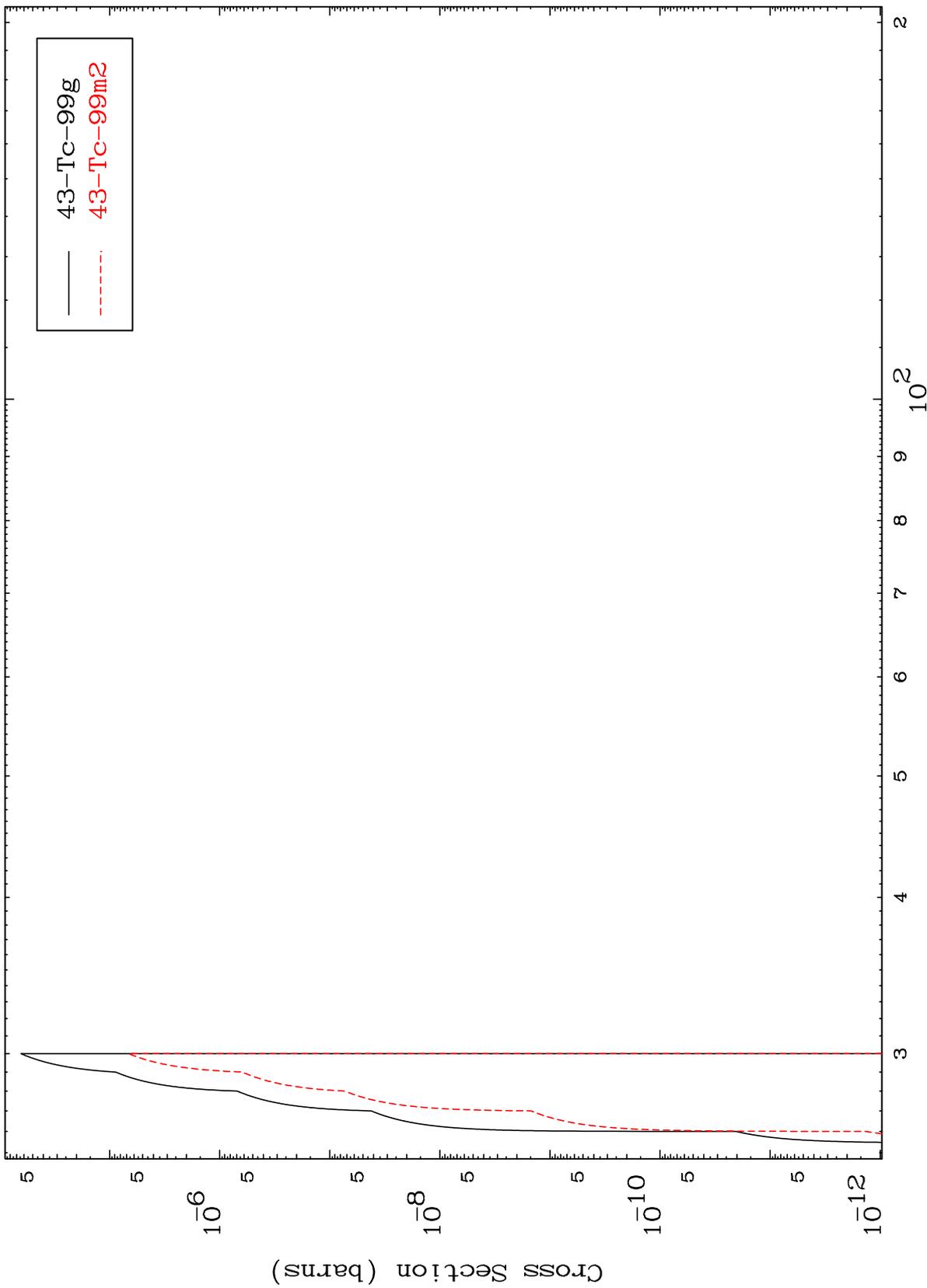
135

Incident Energy (MeV)

44-Ru-102



Radionuclide Production Cross Section



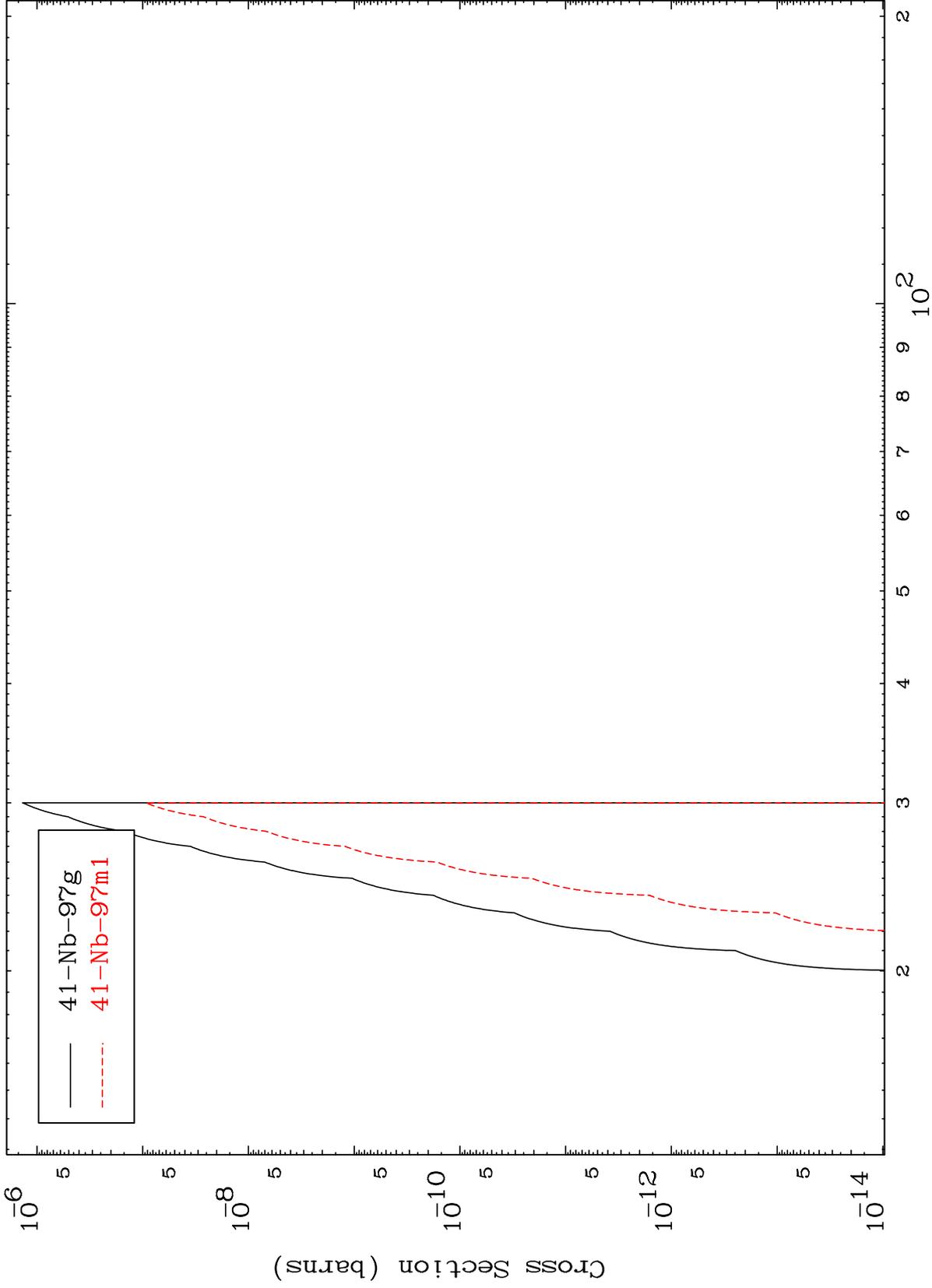
43-Tc-99g
43-Tc-99m2

MAT 4443

(n,n') p α

44-Ru-102

Radionuclide Production Cross Section



138

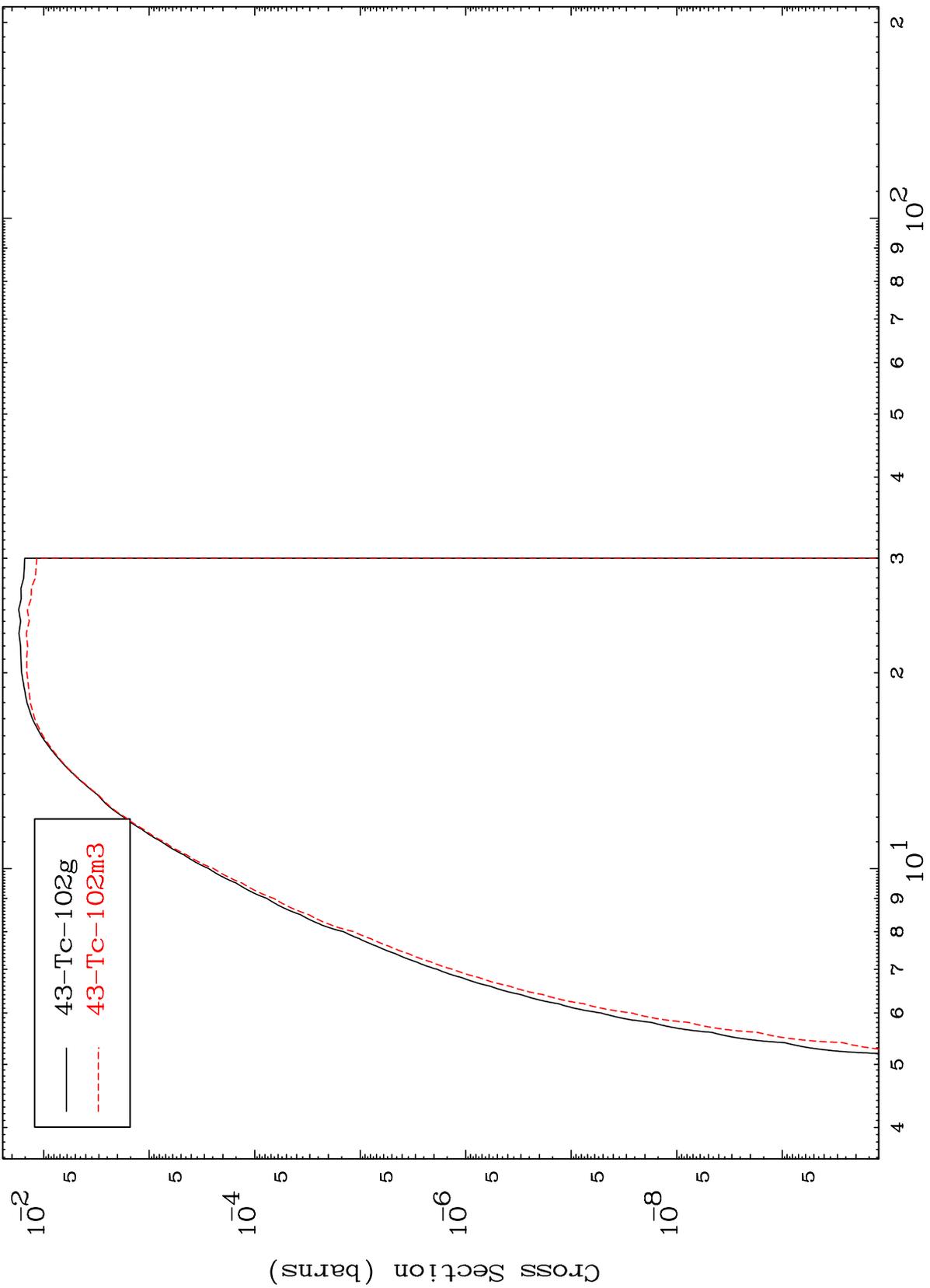
Incident Energy (MeV)

44-Ru-102

MAT 4443

44-Ru-102

(n,p)
Radionuclide Production Cross Section



139

Incident Energy (MeV)

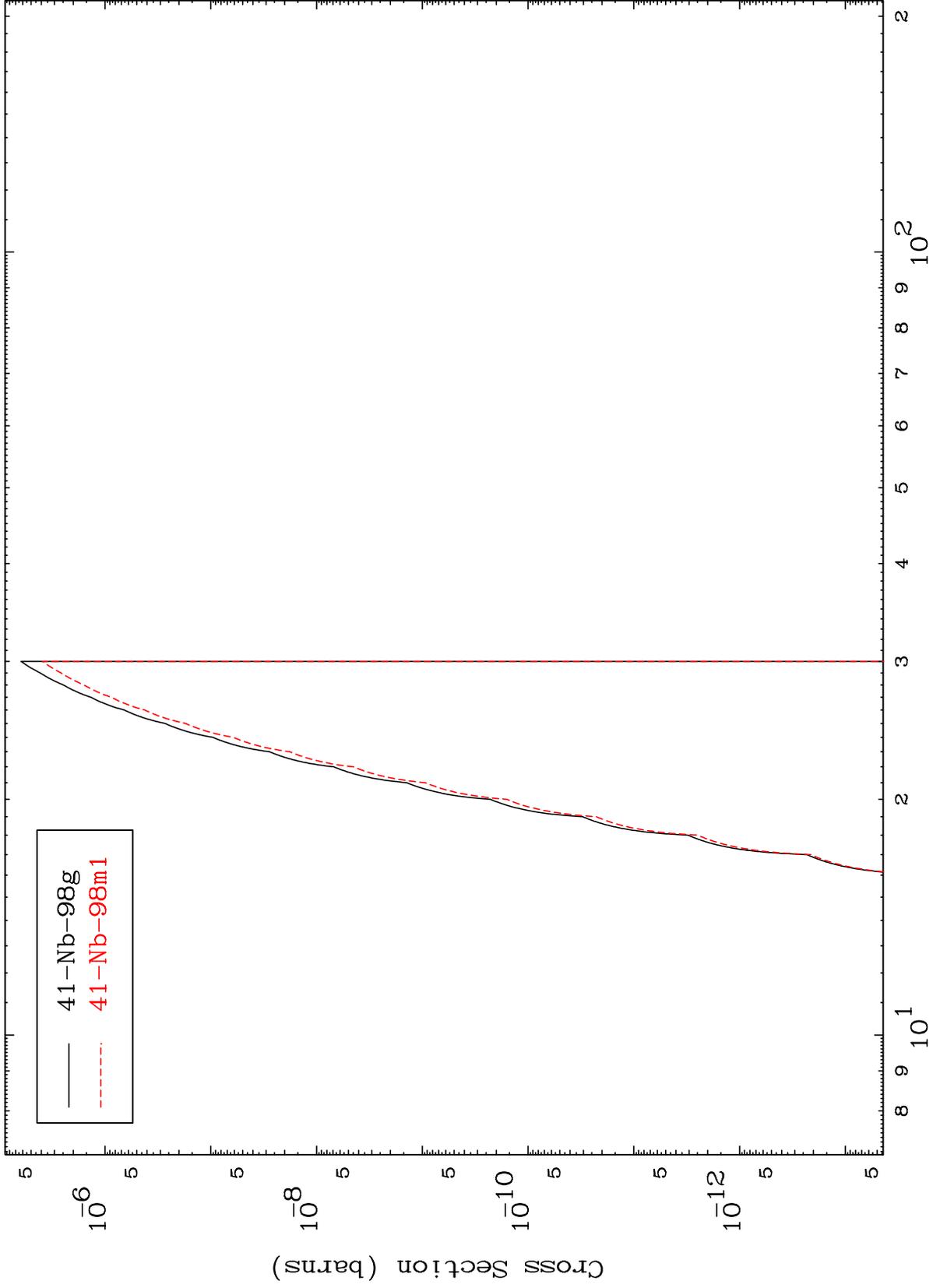
44-Ru-102

MAT 4443

(n,p) α

44-Ru-102

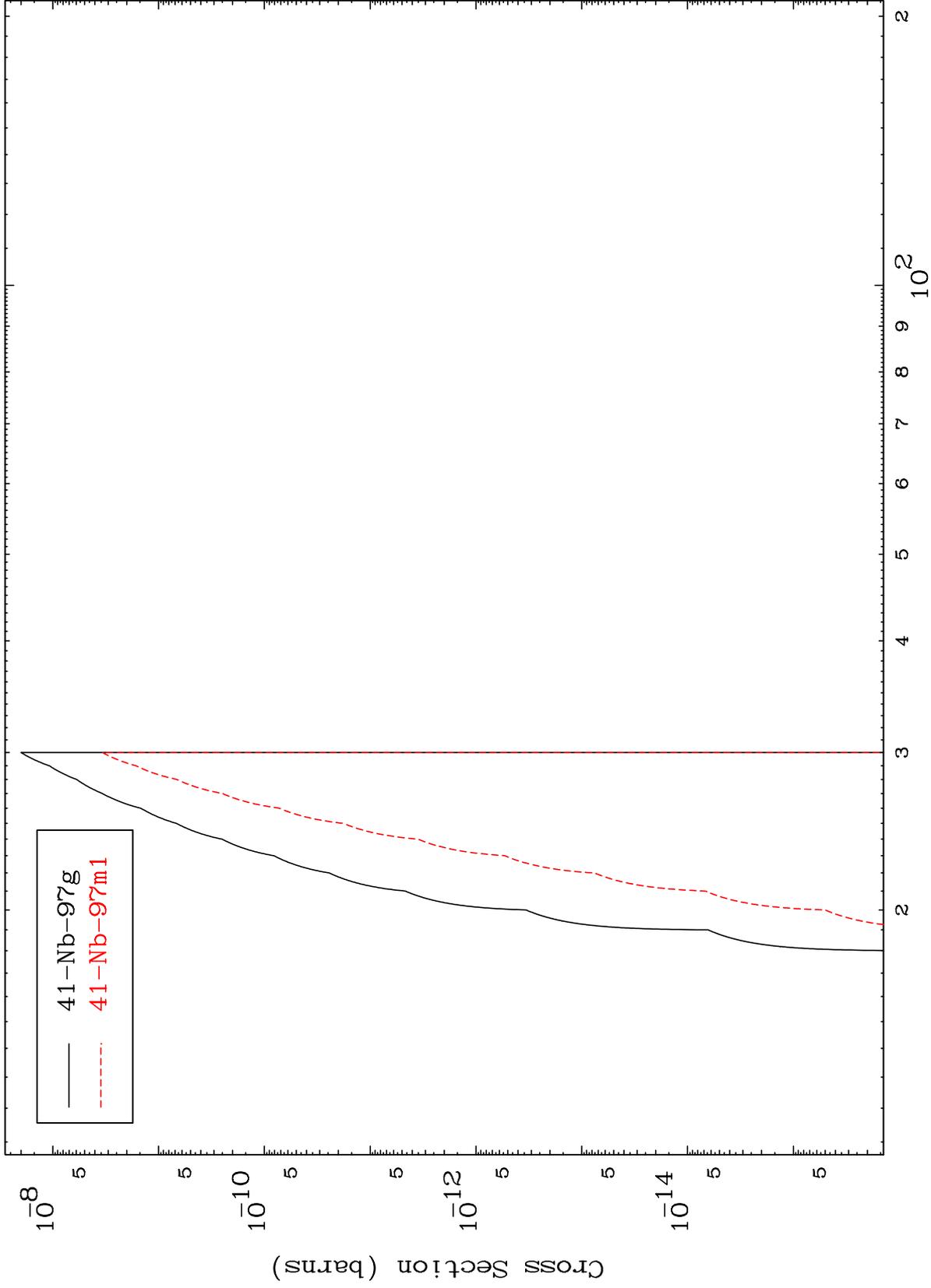
Radionuclide Production Cross Section



MAT 4443

44-Ru-102

(n,d) α
Radionuclide Production Cross Section



141

Incident Energy (MeV)

44-Ru-102