

Program EVALPLOT
(Version 2017-1)

by

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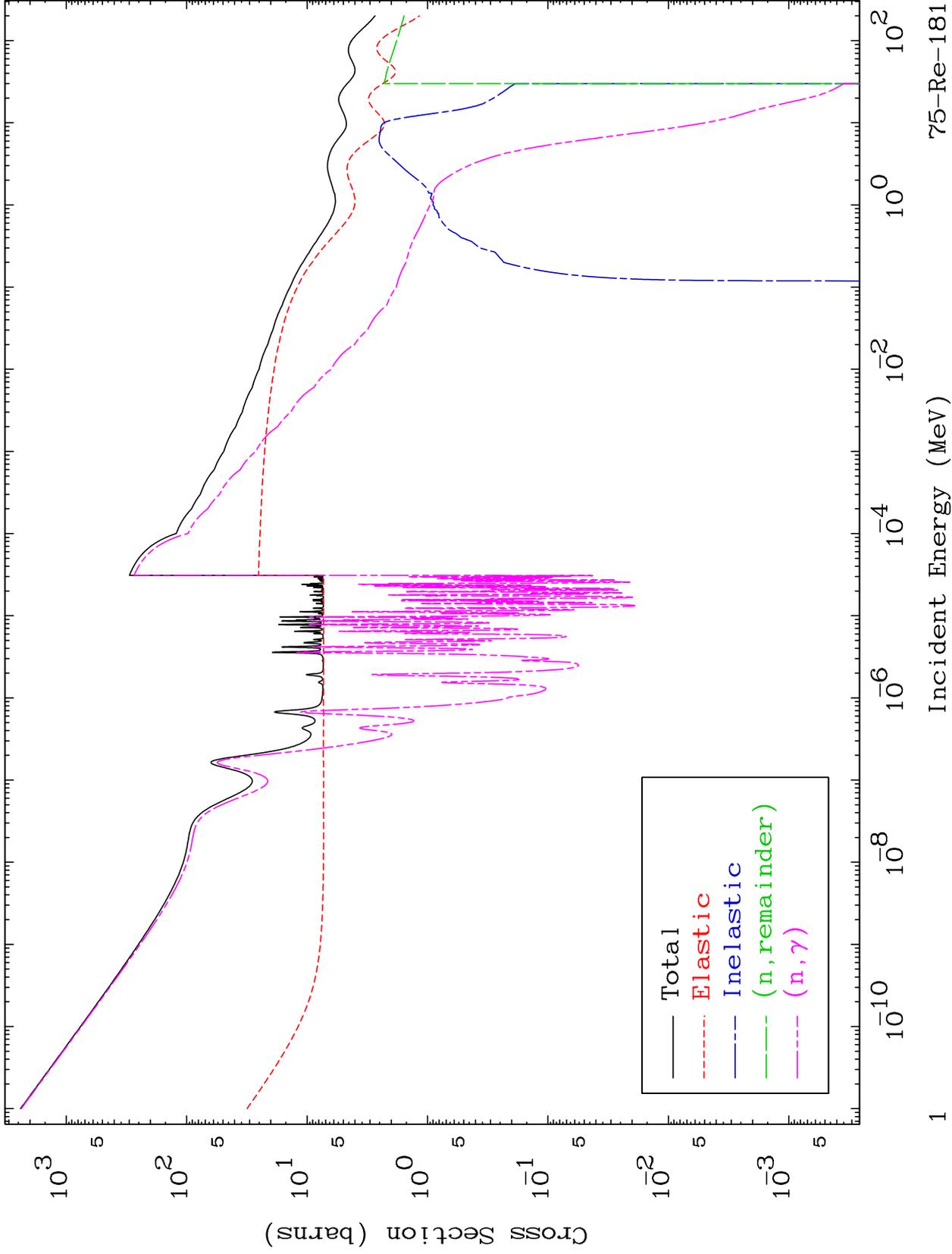
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Press Mouse Button to Start

MAT 7513

Major
293 Kelvin Cross Sections

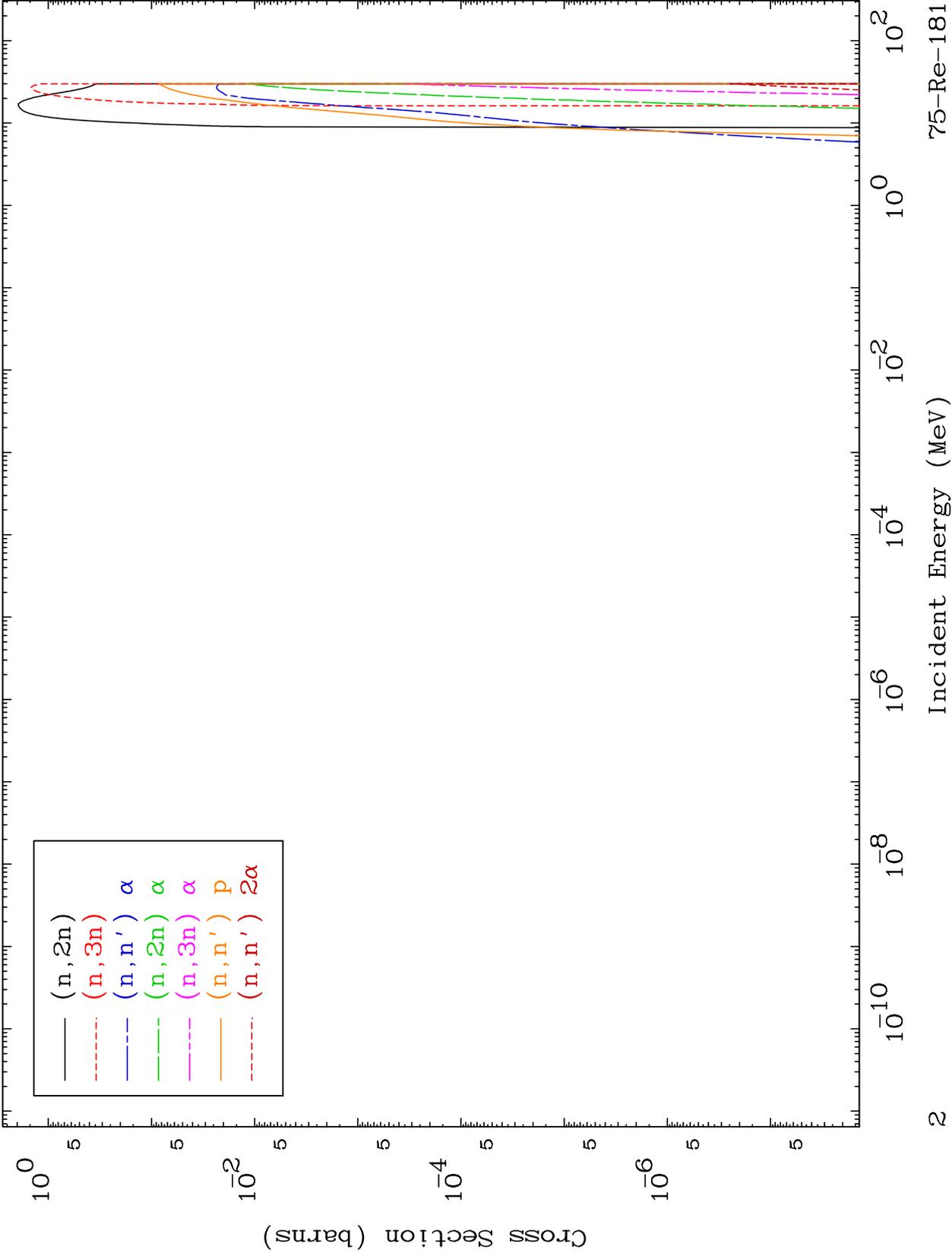
75-Re-181



MAT 7513

Neutron Production
293 Kelvin Cross Sections

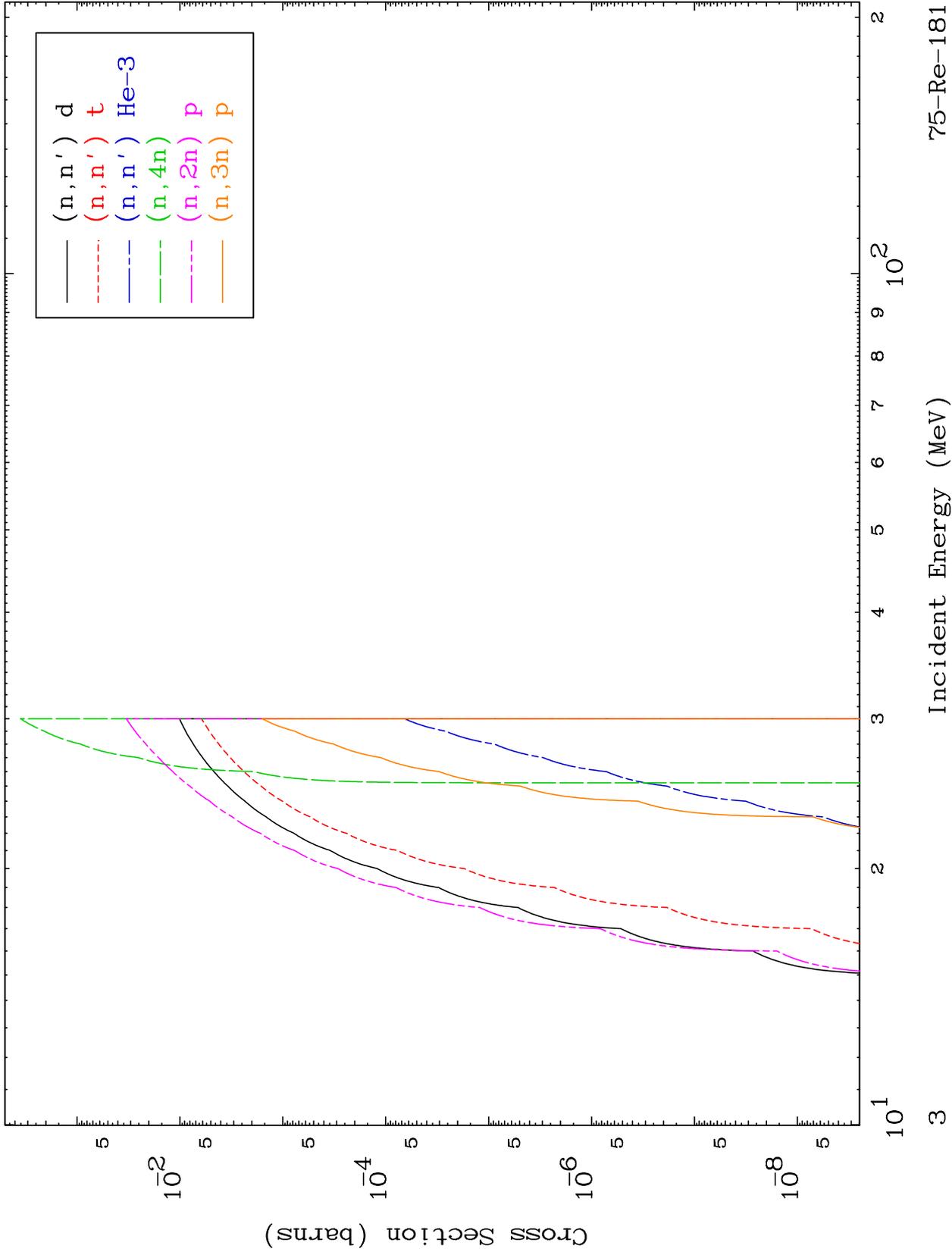
75-Re-181



MAT 7513

Neutron Production
293 Kelvin Cross Sections

75-Re-181



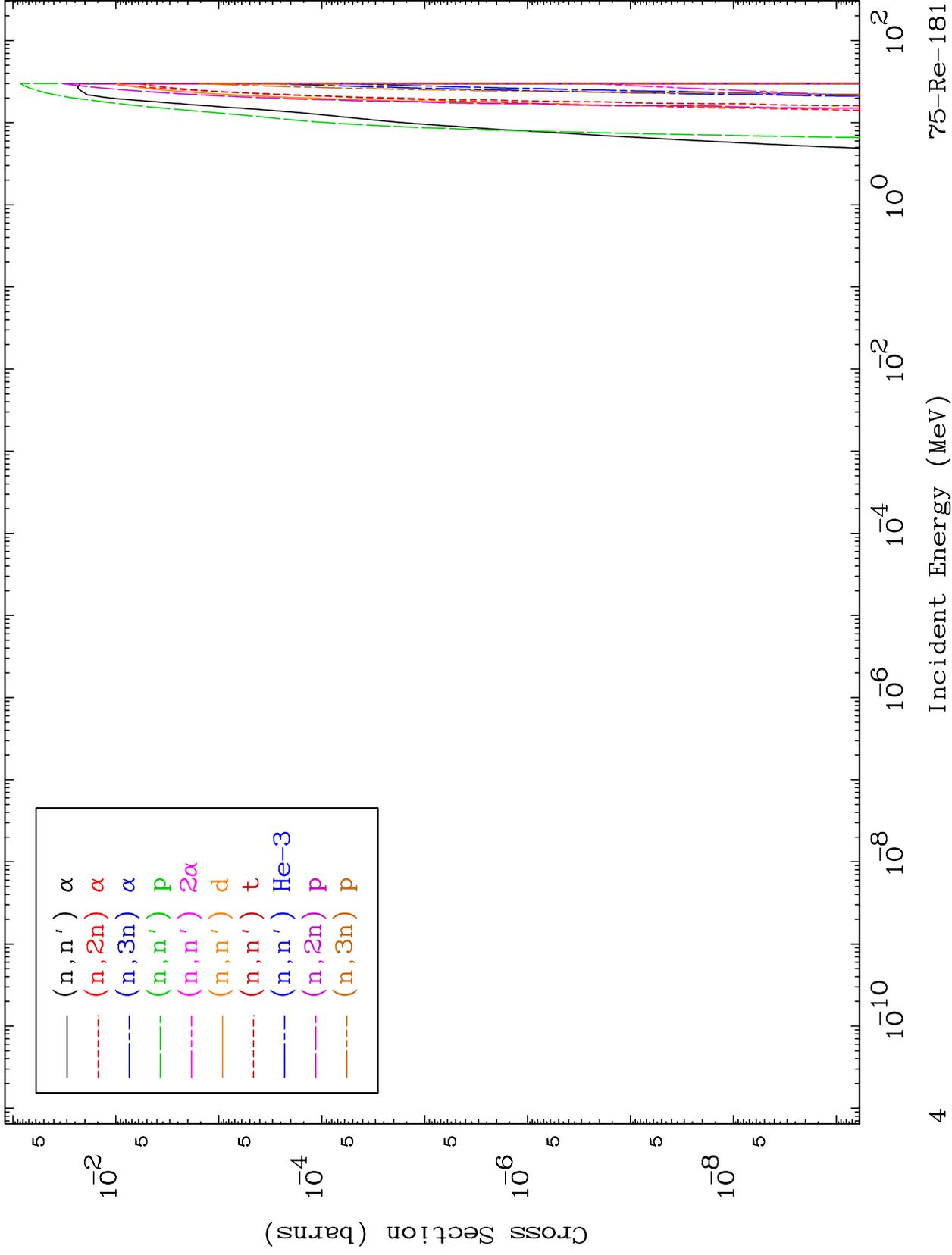
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Incident Energy (MeV)

MAT 7513

Charged Particle
293 Kelvin Cross Sections

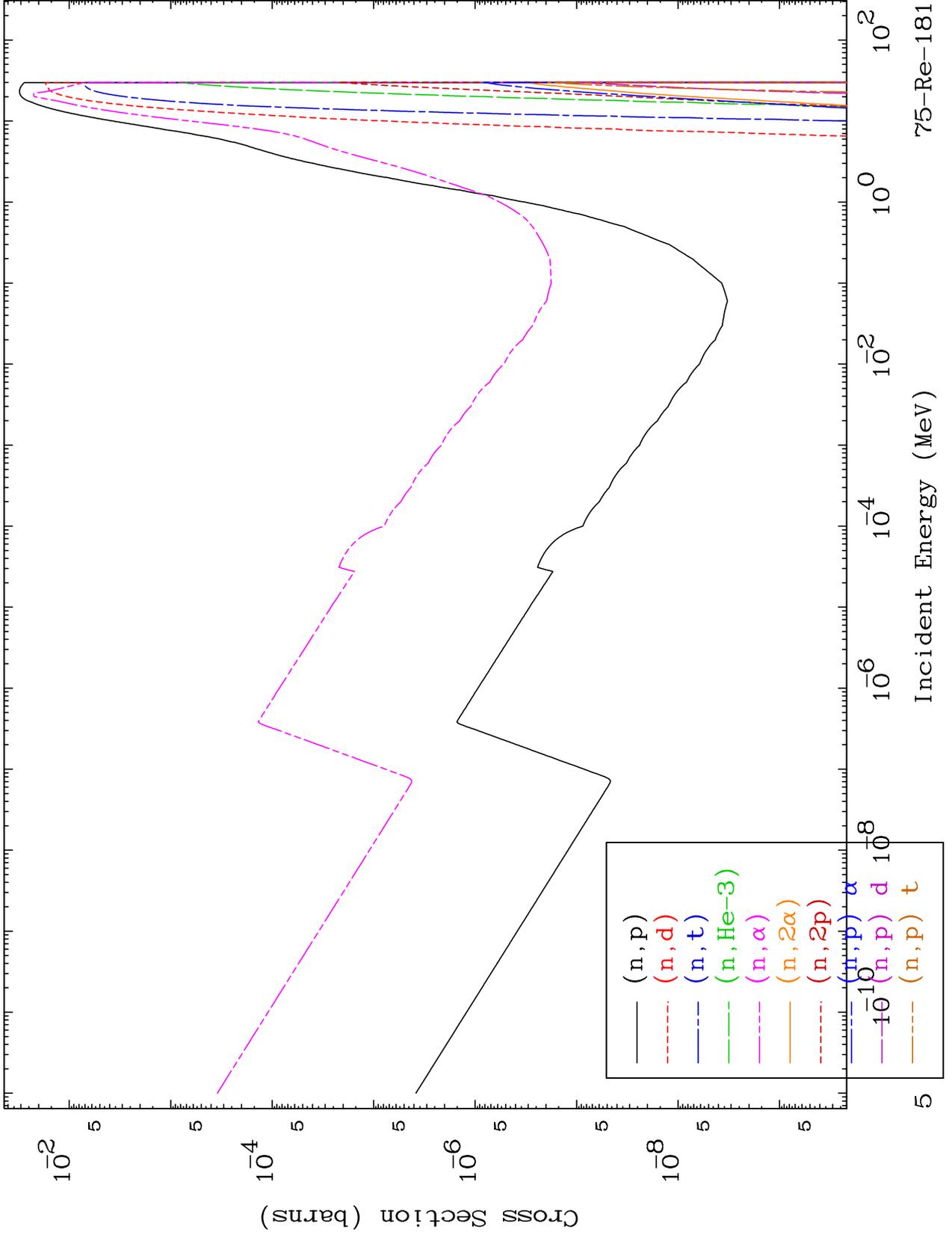
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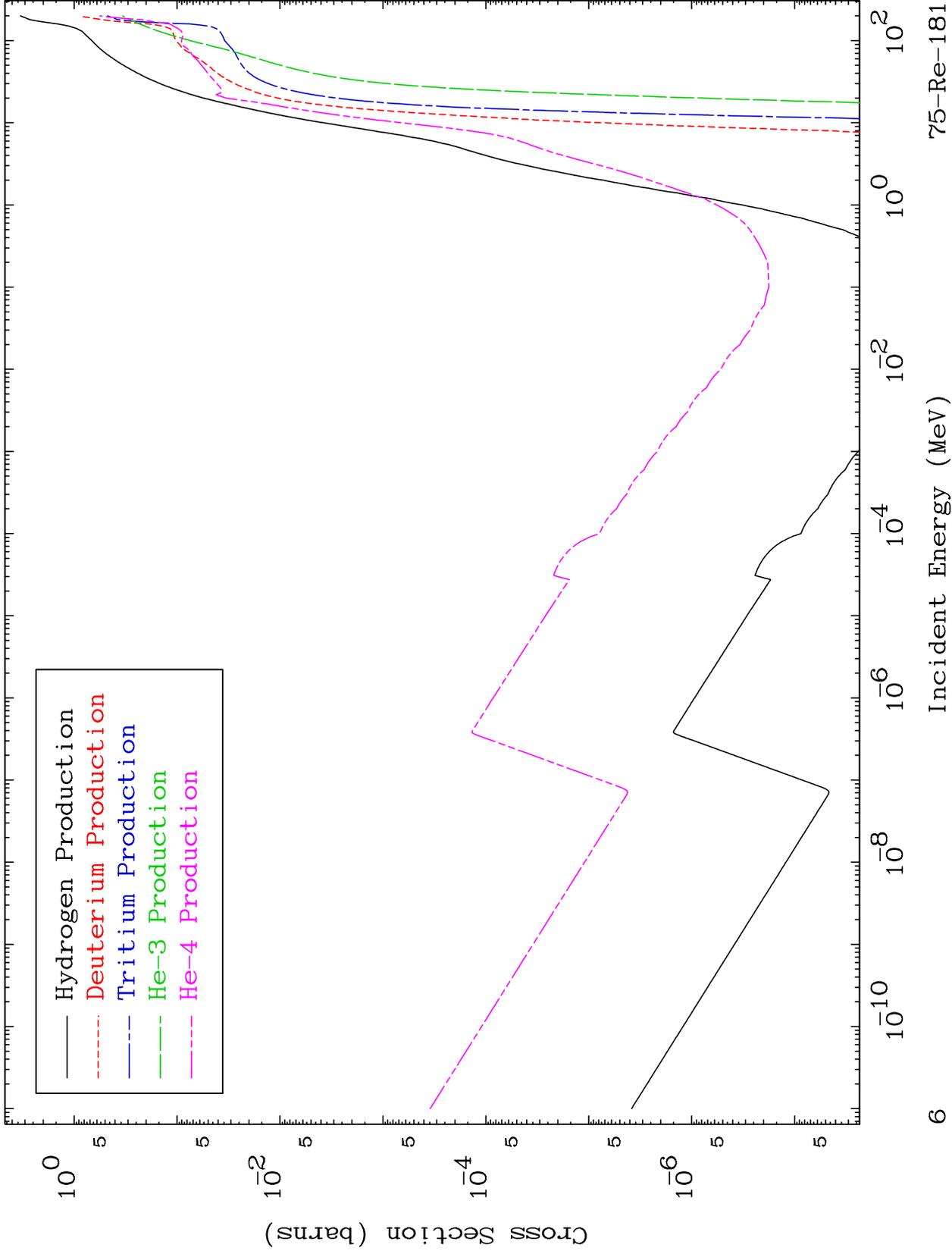


MAT 7513

Charged Particle
293 Kelvin Cross Sections

75-Re-181



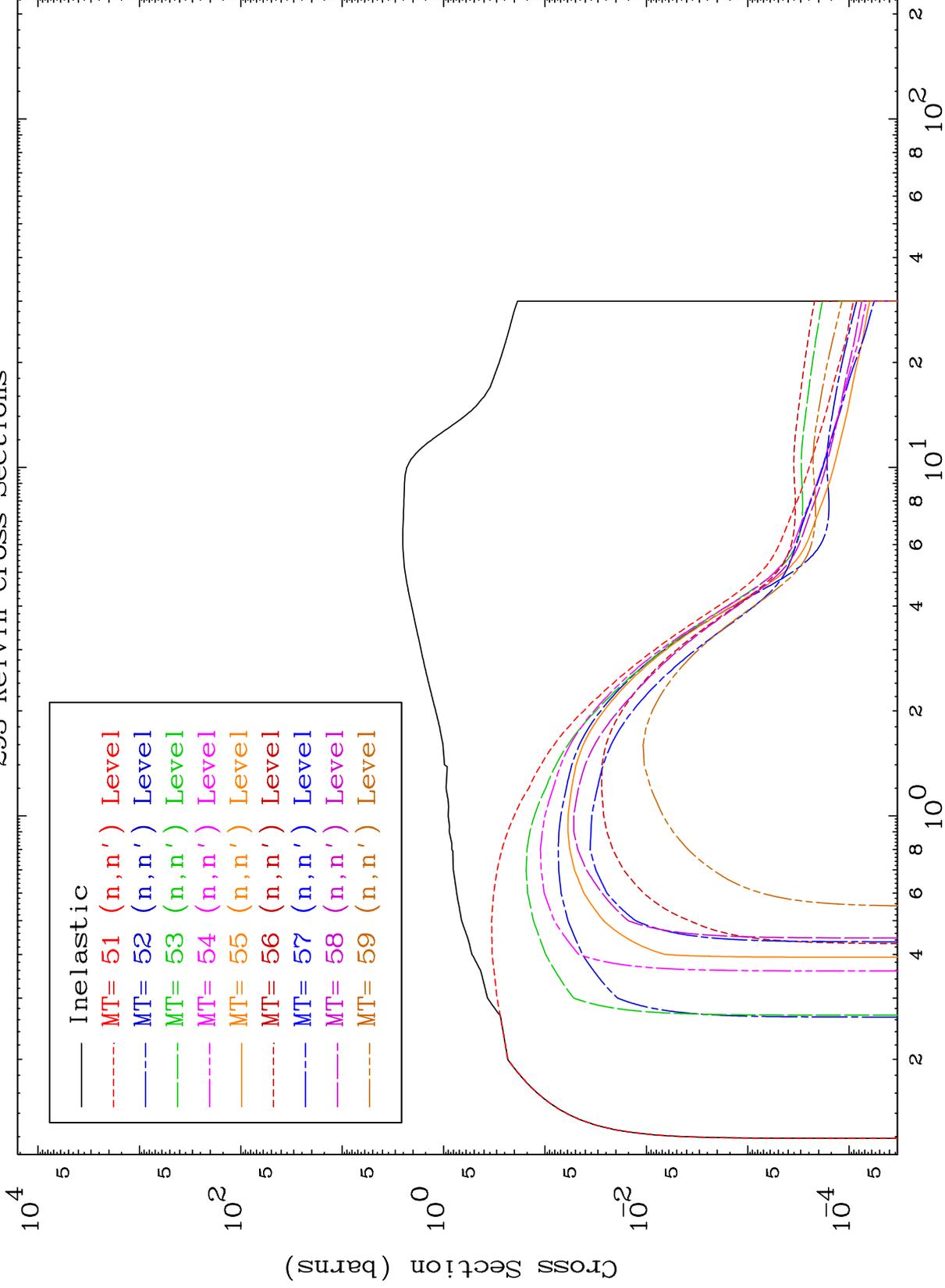


MAT 7513

(n,n') Level

75-Re-181

293 Kelvin Cross Sections

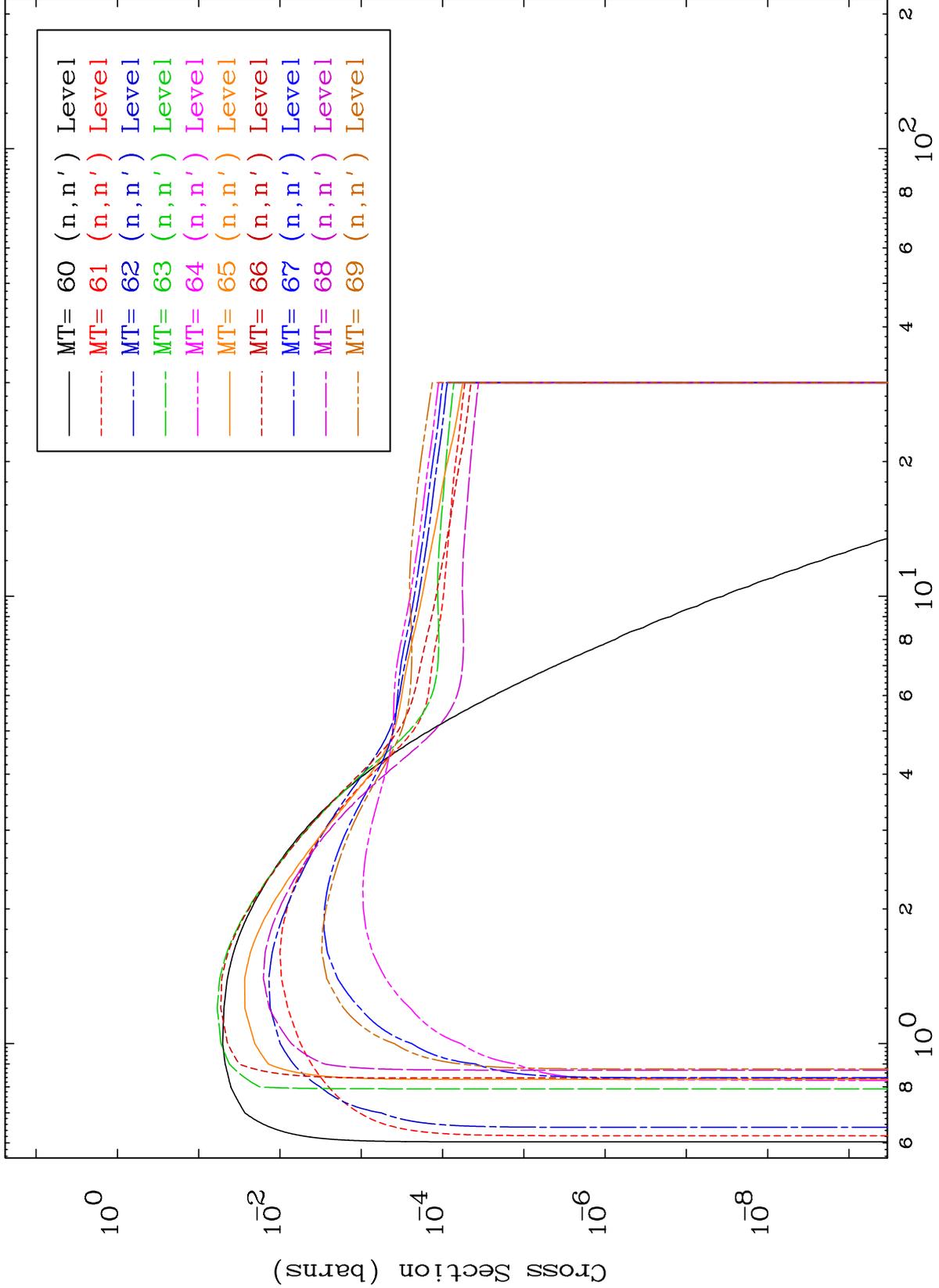


MAT 7513

(n,n') Level

75-Re-181

293 Kelvin Cross Sections



8

Incident Energy (MeV)

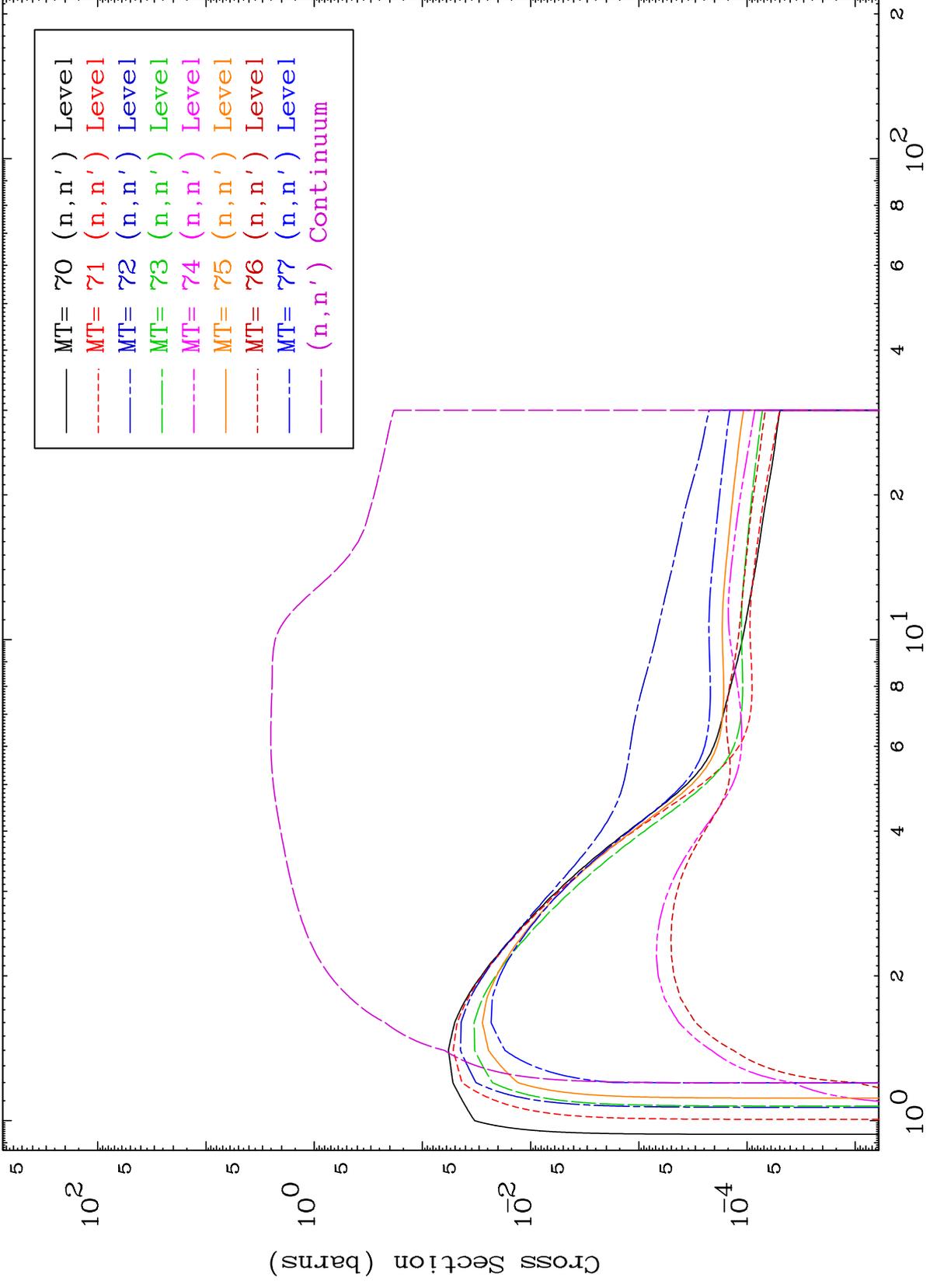
75-Re-181

MAT 7513

(n,n') Level

75-Re-181

293 Kelvin Cross Sections



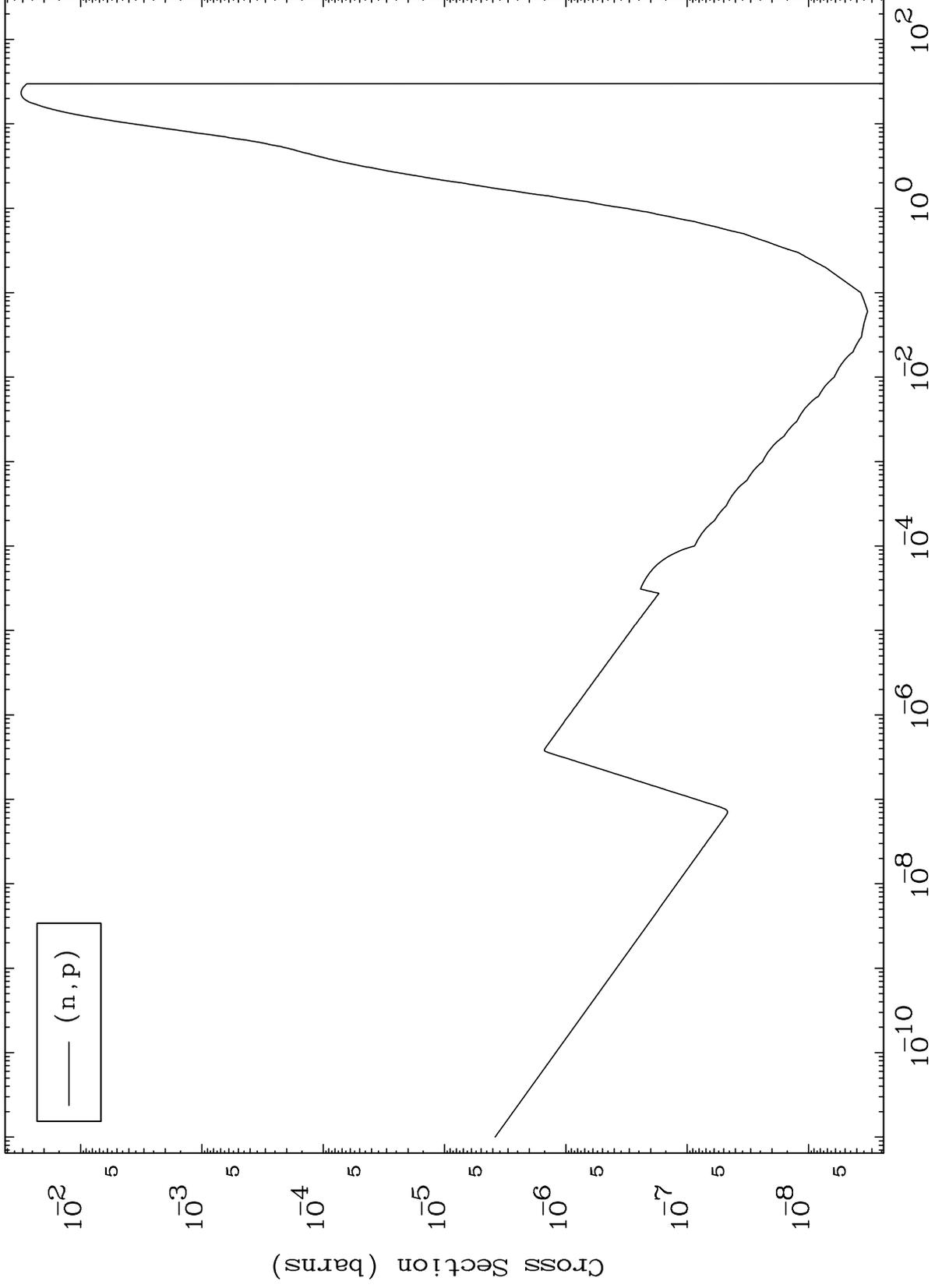
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75-Re-181

MAT 7513

(n,p) Levels
293 Kelvin Cross Sections

75-Re-181



10

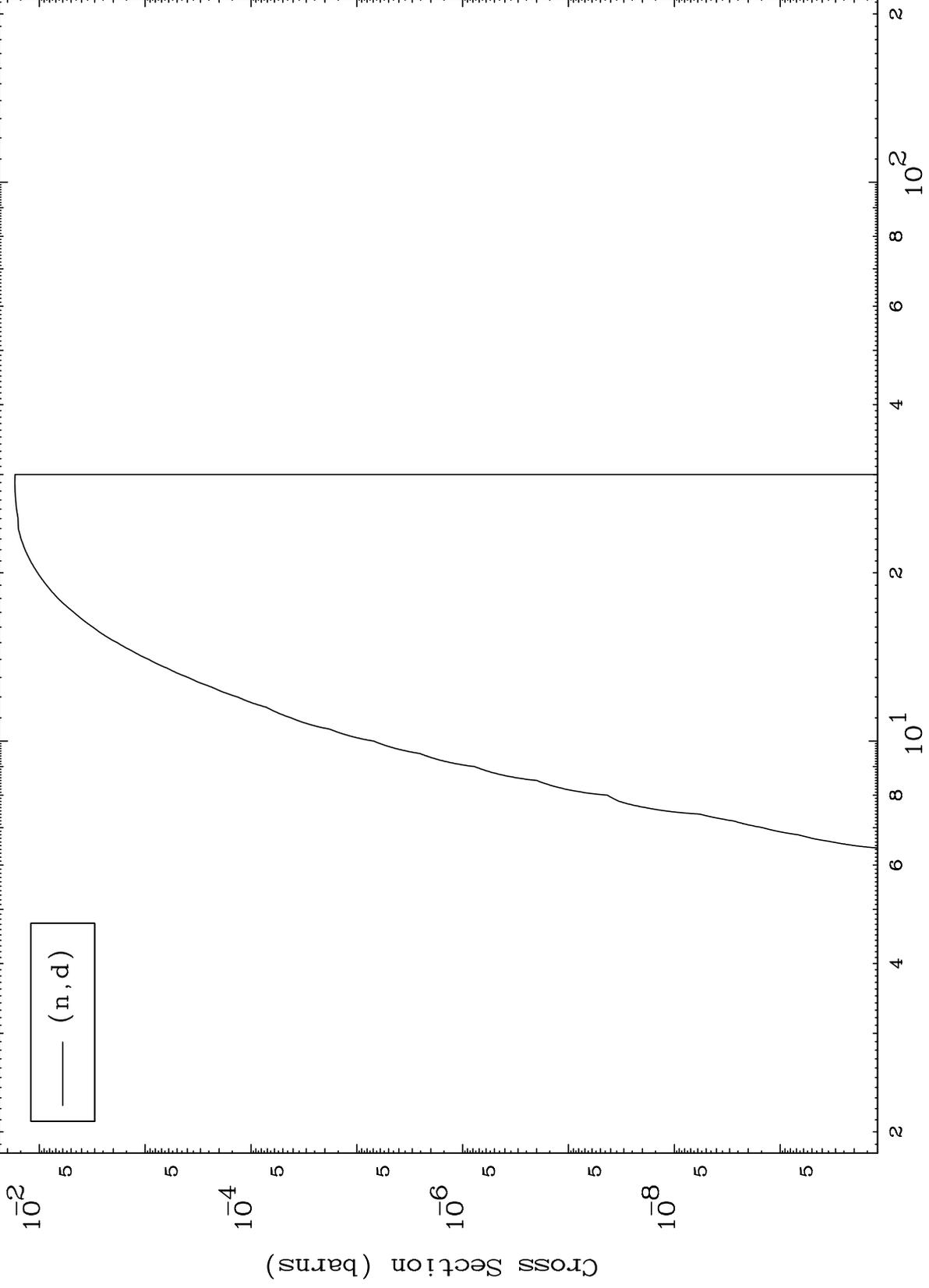
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MAT 7513

(n,d) Levels
293 Kelvin Cross Sections

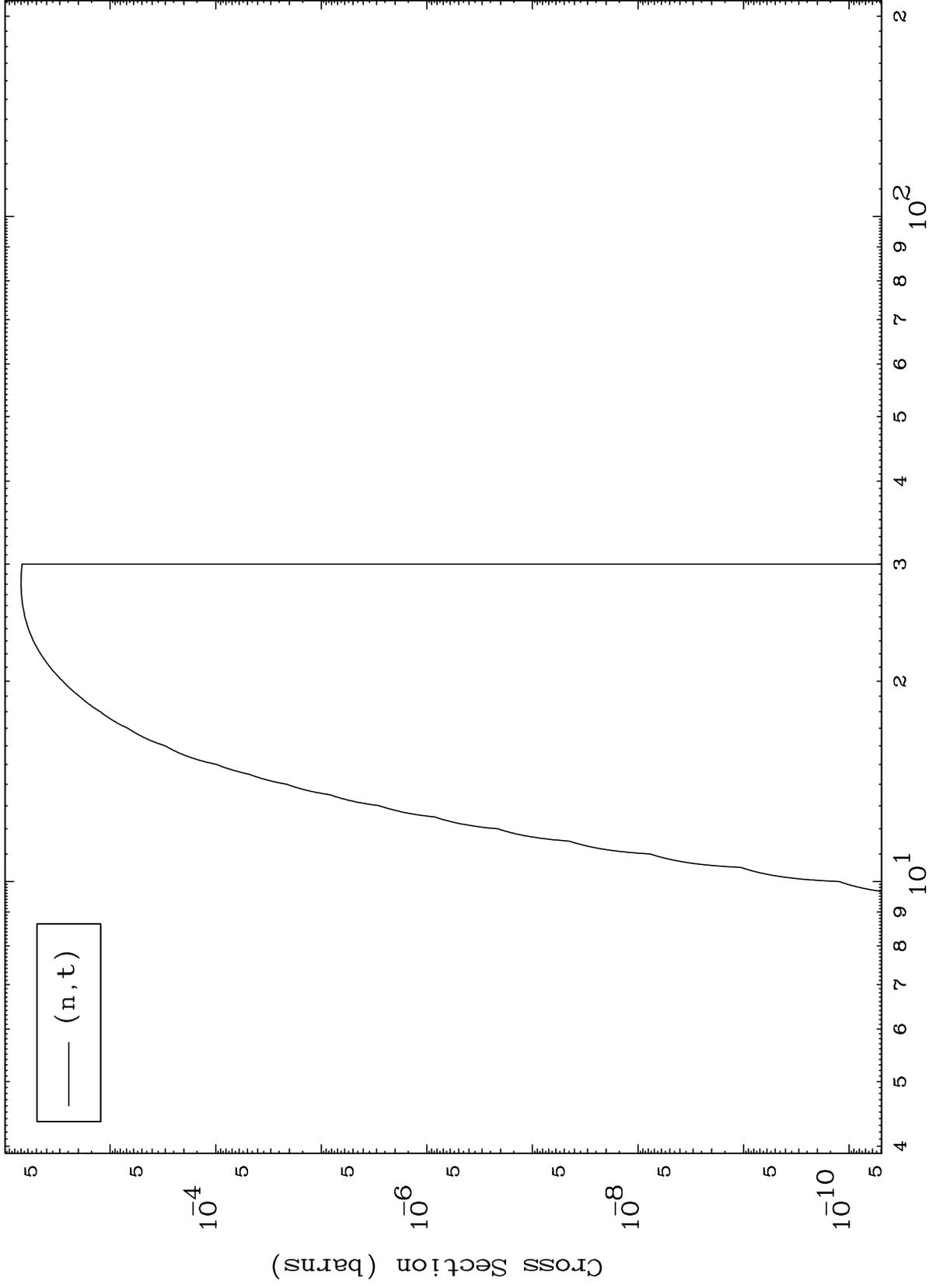
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MAT 7513

(n,t) Levels
293 Kelvin Cross Sections

75-Re-181



12

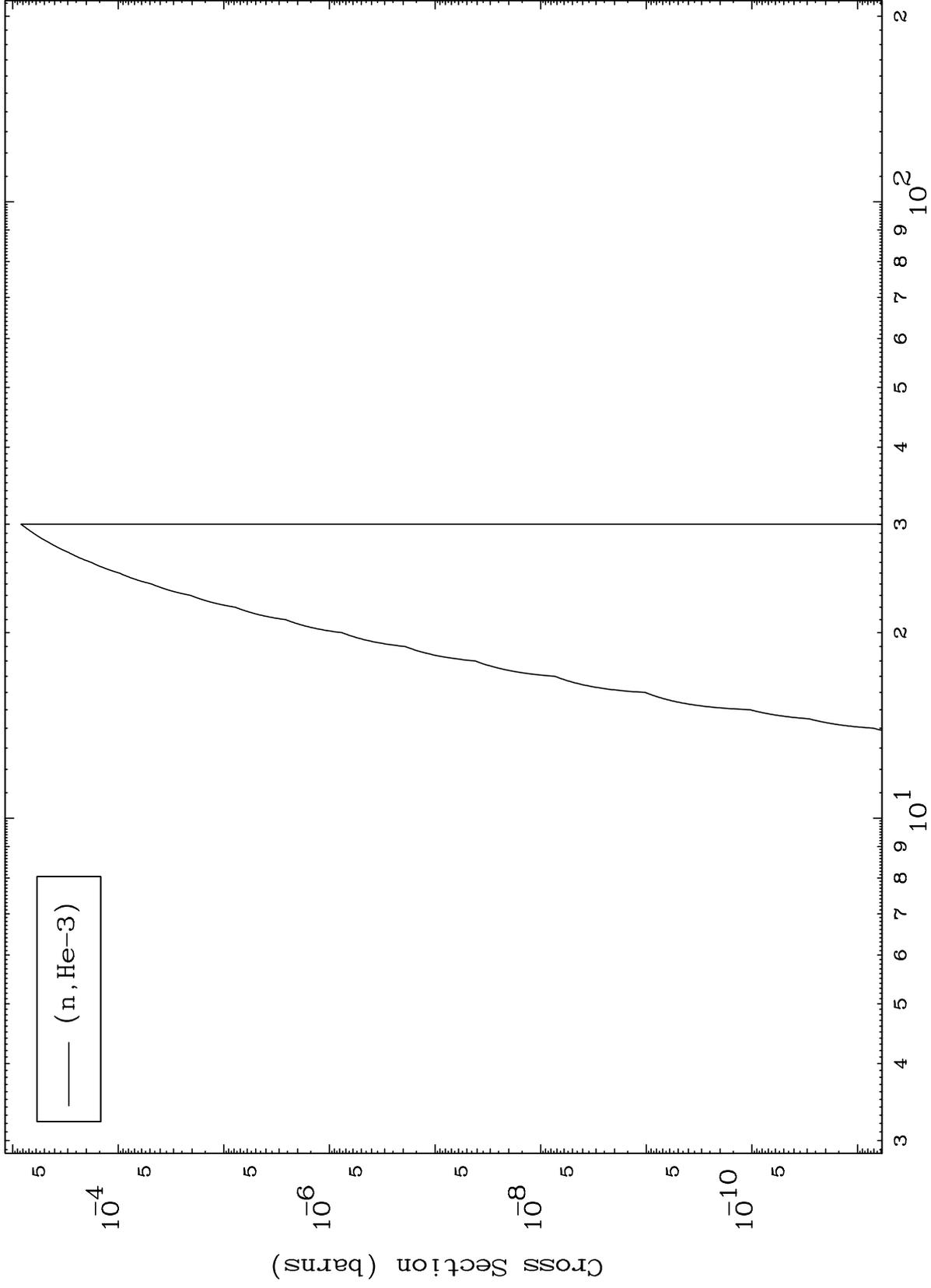
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75-Re-181

MAT 7513

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-181



13

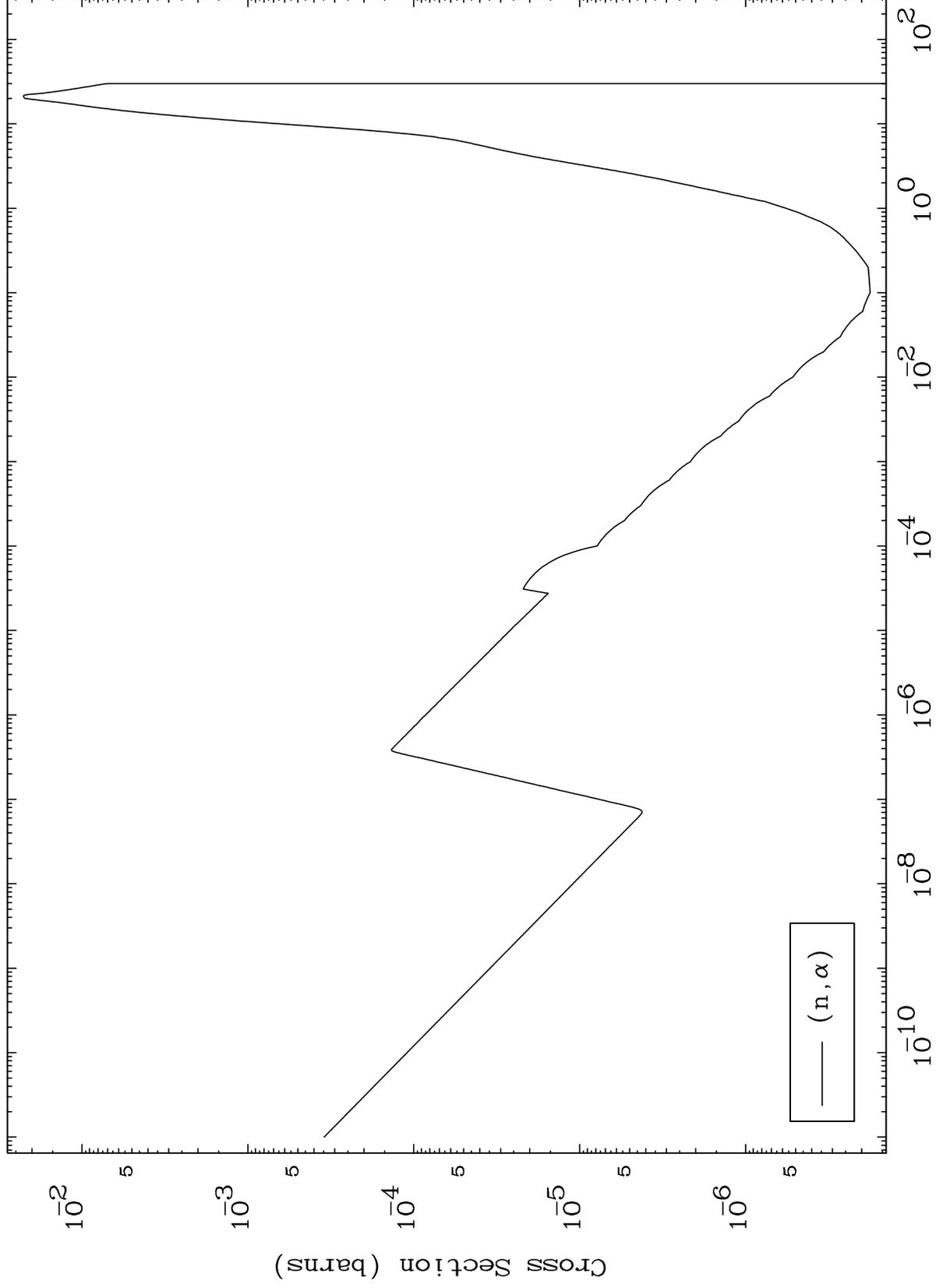
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(n,α) Levels
293 Kelvin Cross Sections

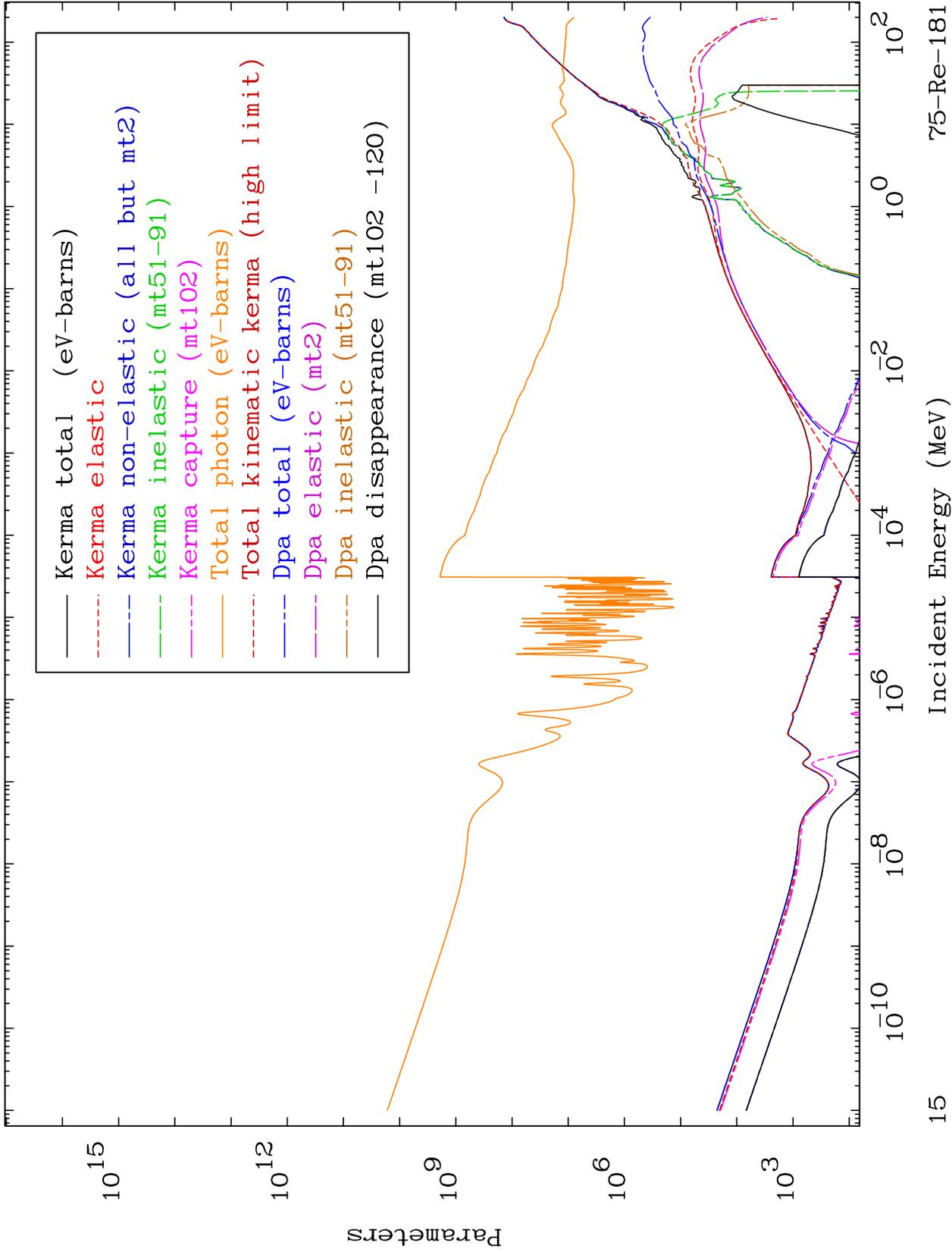
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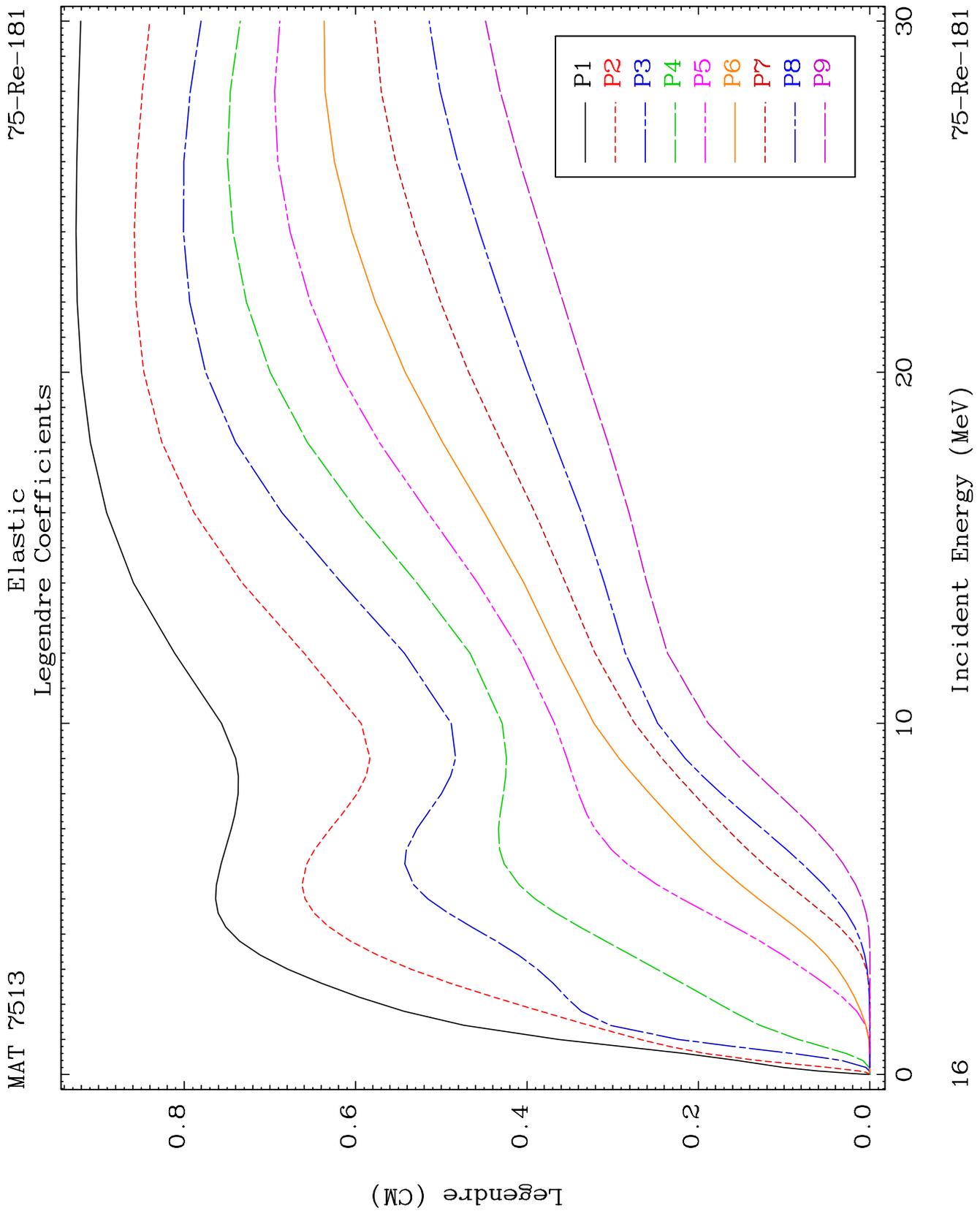


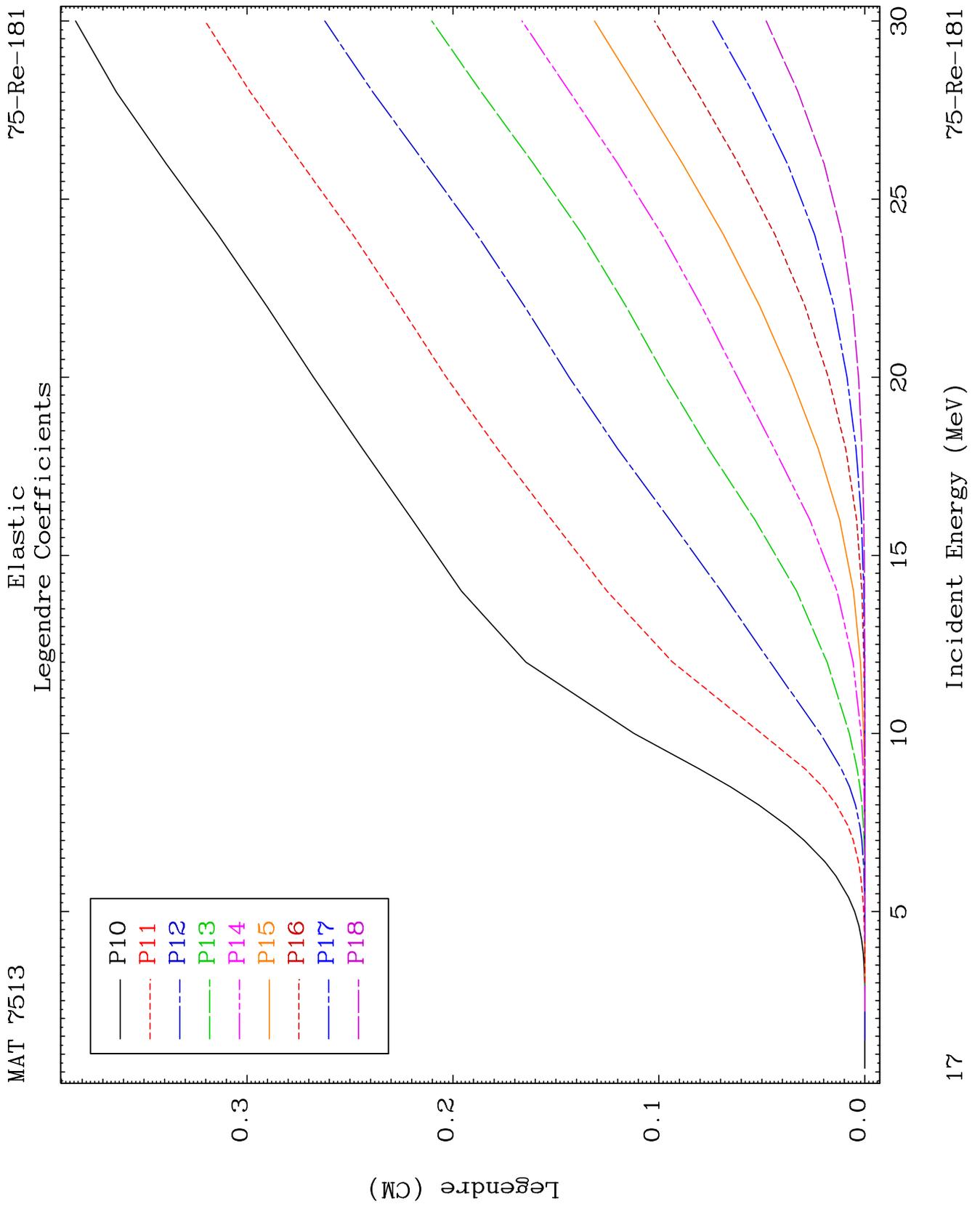
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Incident Energy (MeV)

75-Re-181



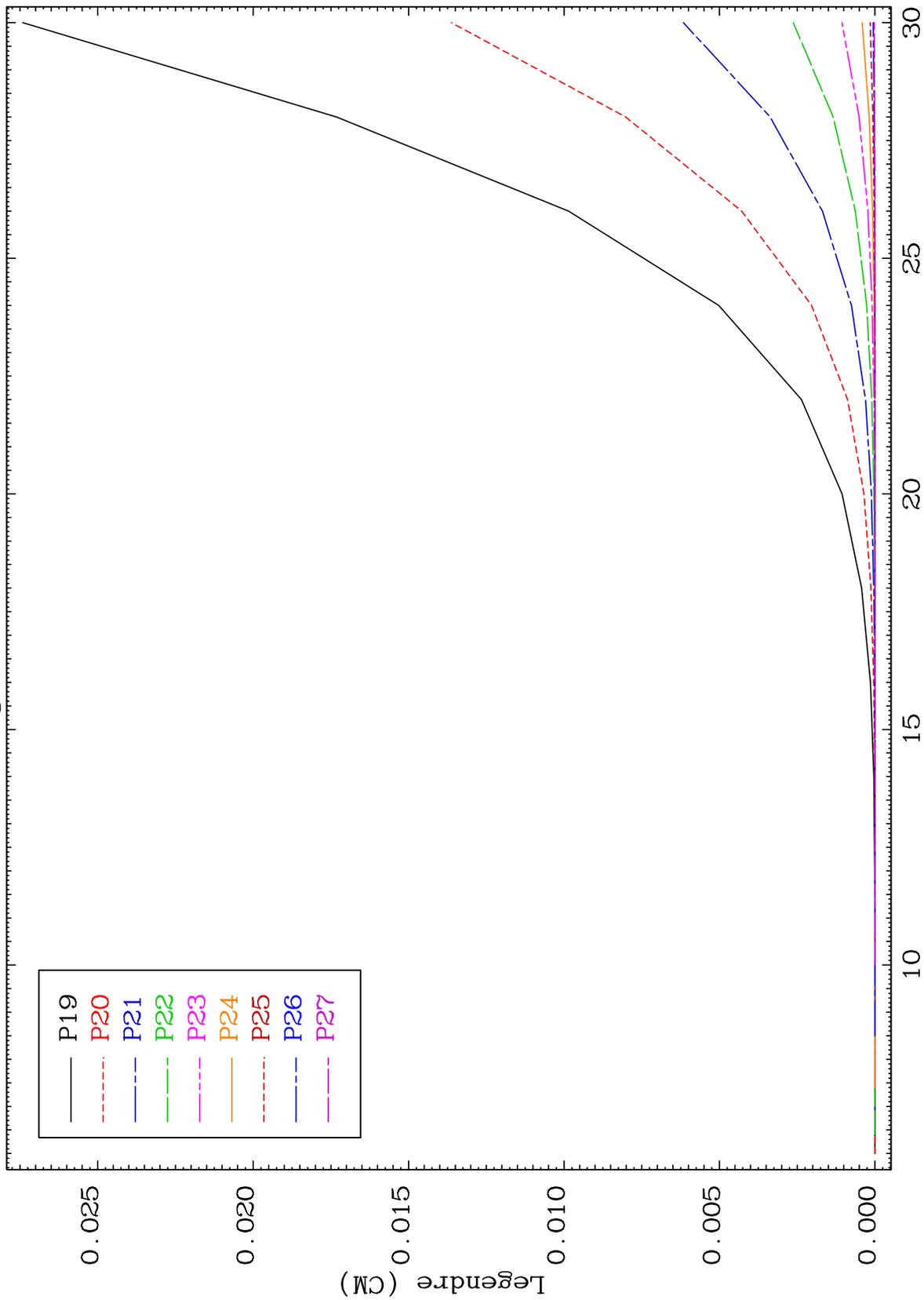




MAT 7513

Elastic Legendre Coefficients

75-Re-181



18

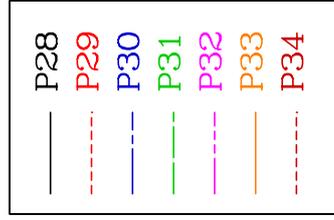
Incident Energy (MeV)

75-Re-181

MAT 7513

Elastic
Legendre Coefficients

75-Re-181



$\times 10^{-6}$

6

Legendre (CM)

4

2

0

15

20

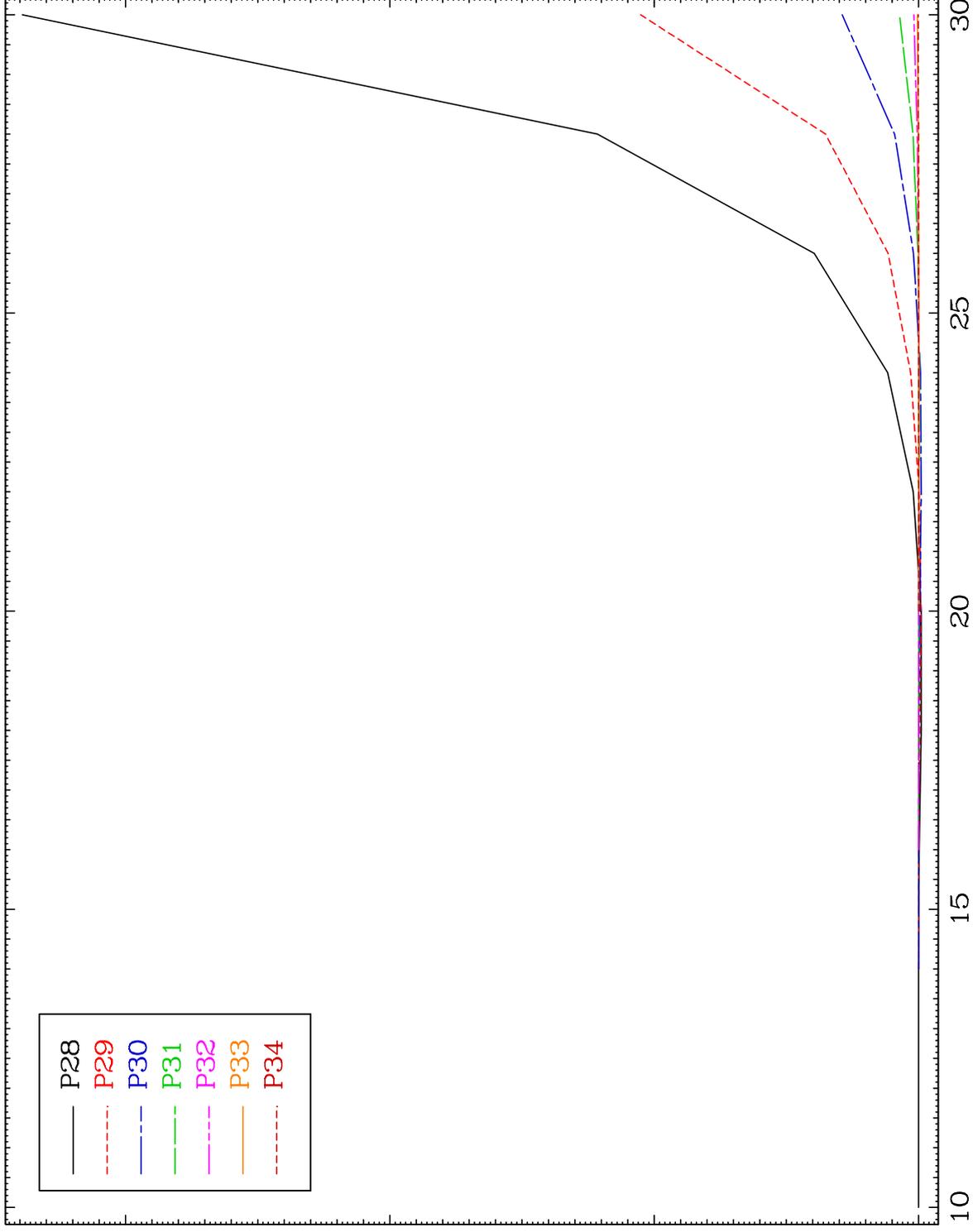
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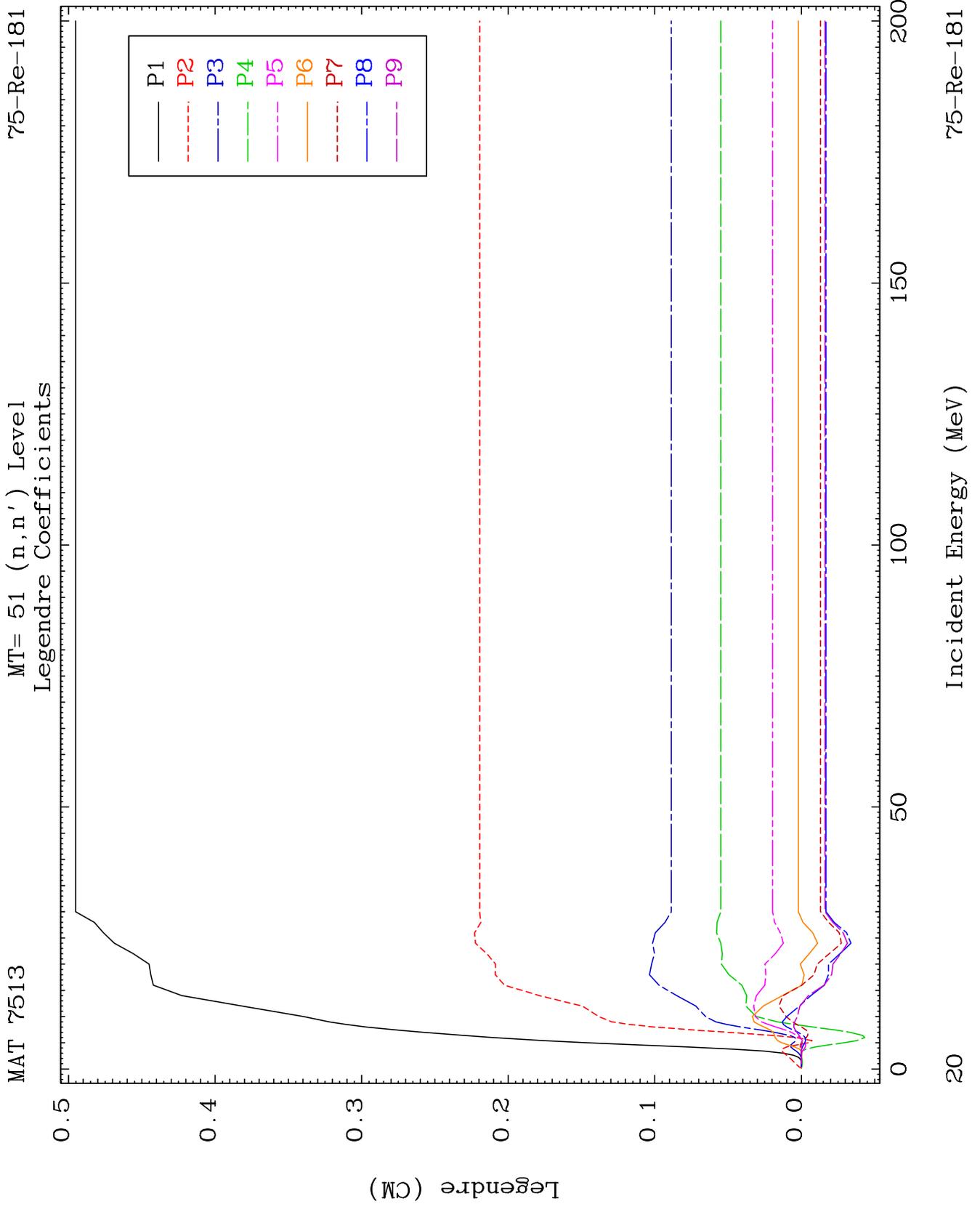
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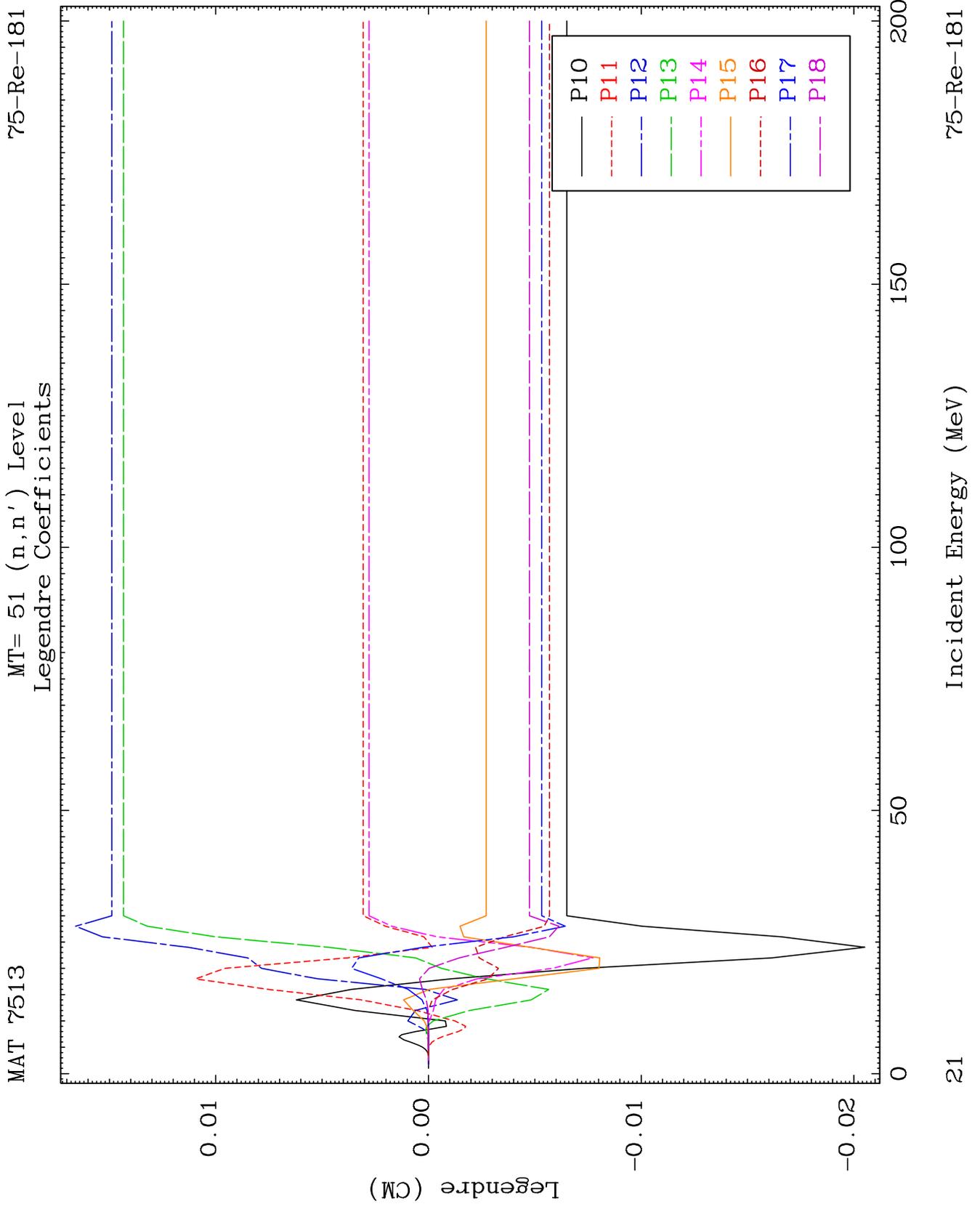
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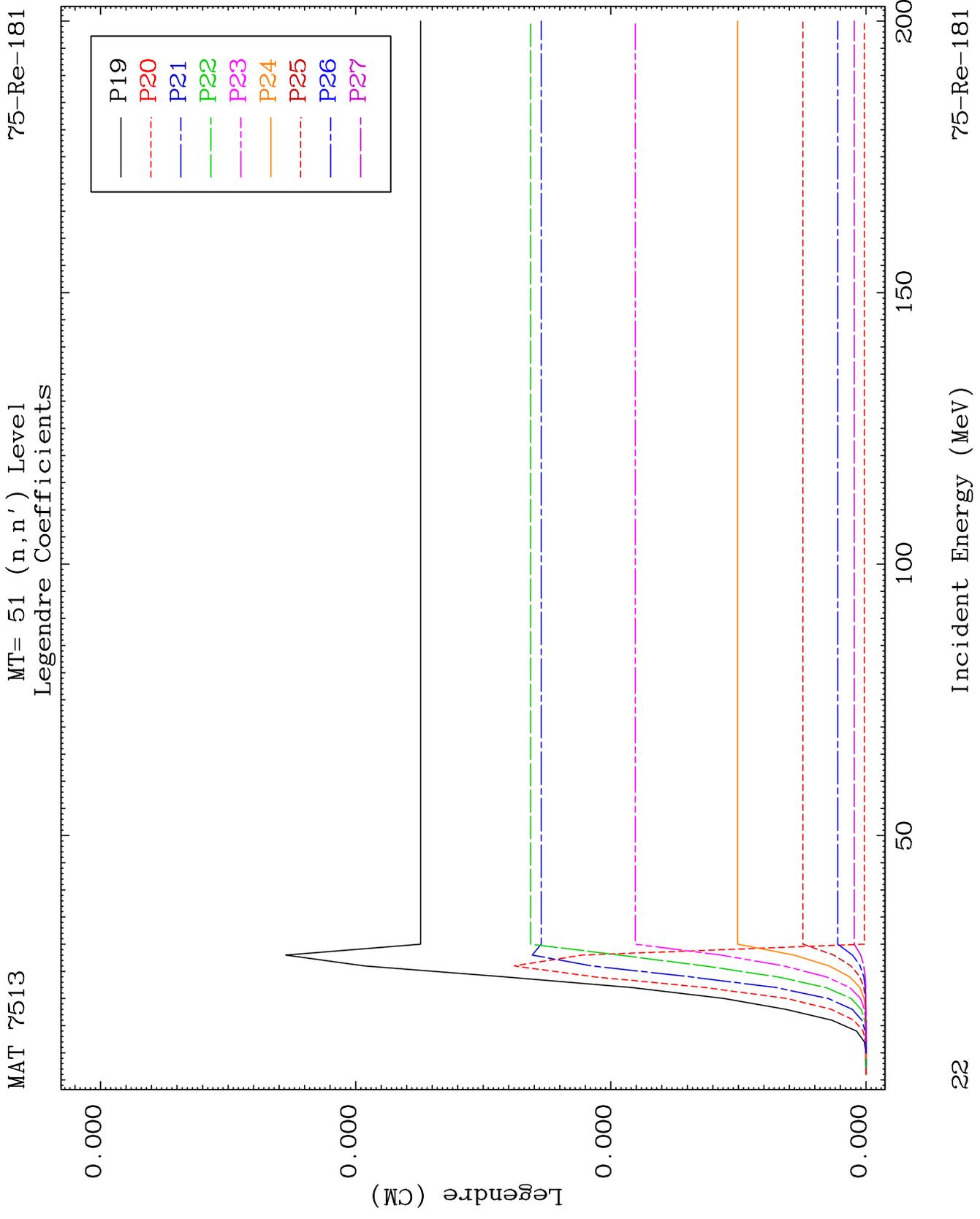
Incident Energy (MeV)

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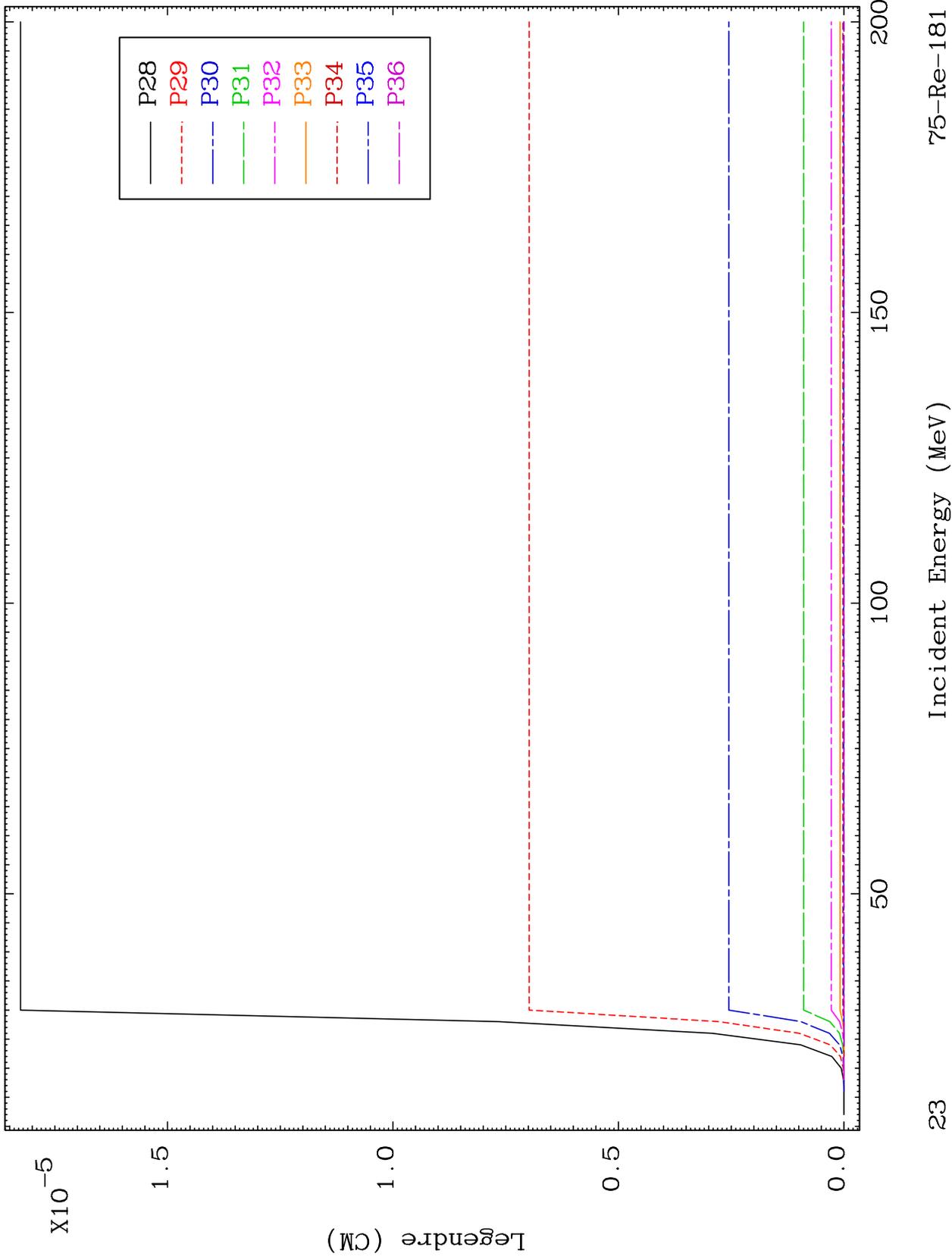




MAT 7513

MT= 51 (n,n') Level
Legendre Coefficients

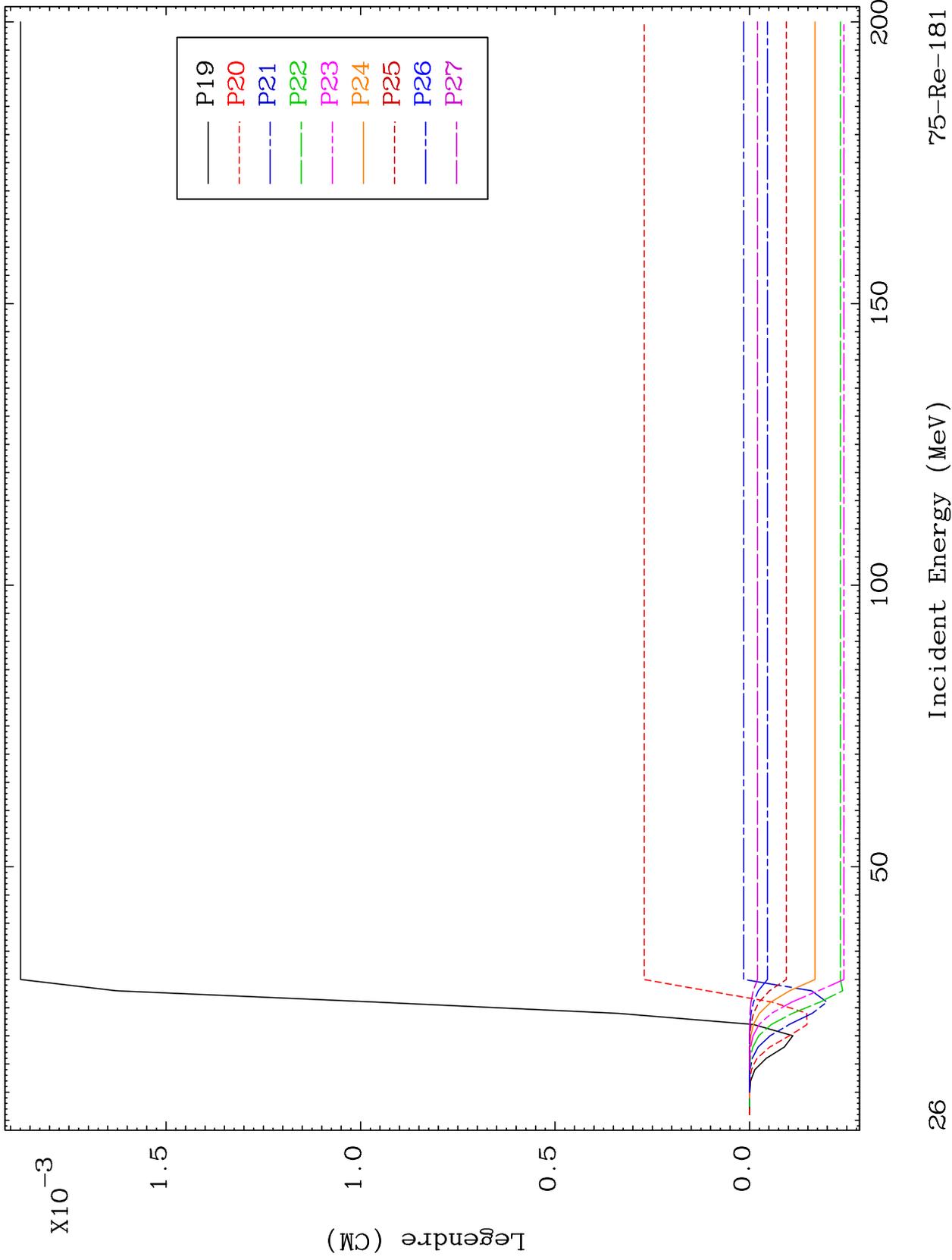
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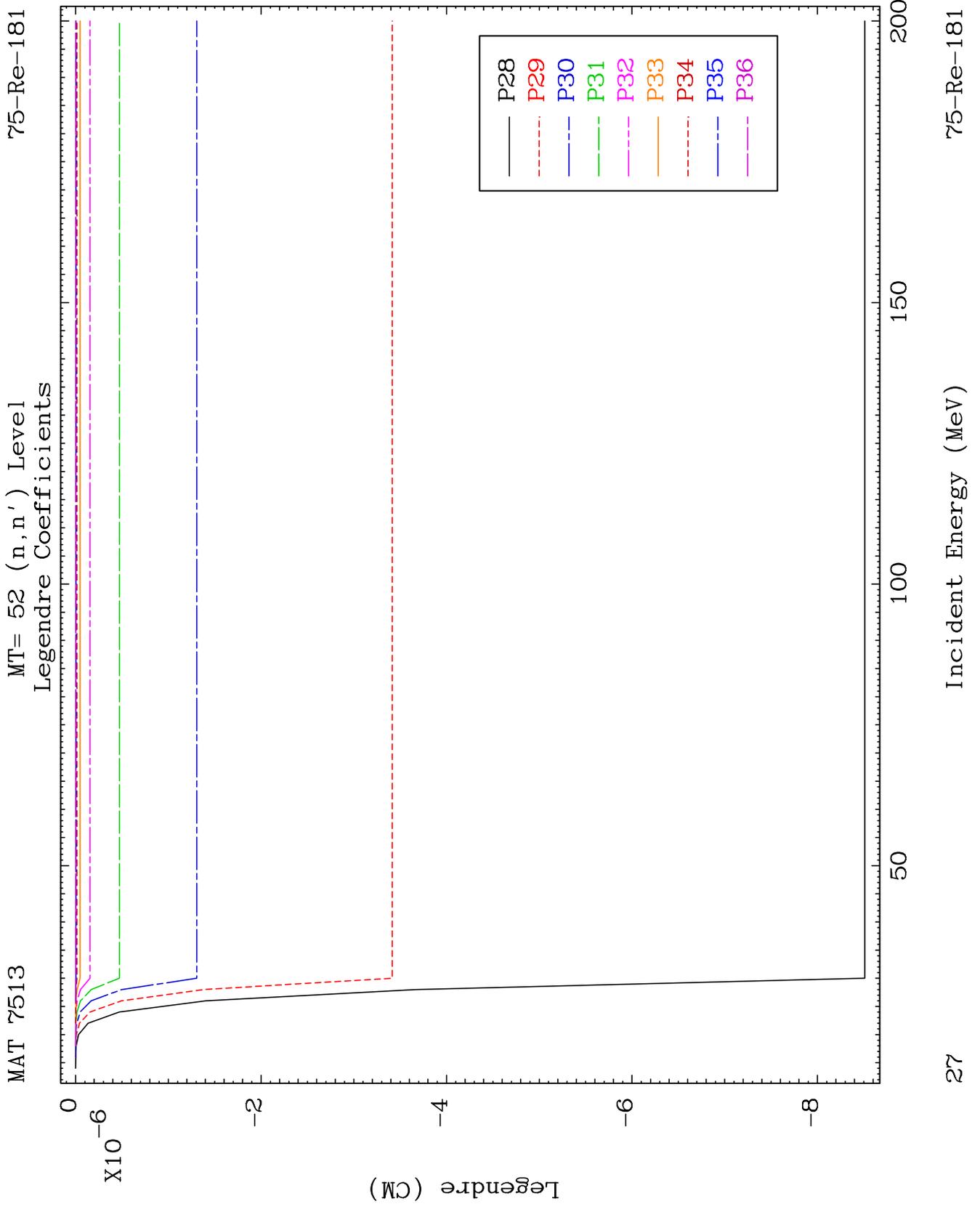


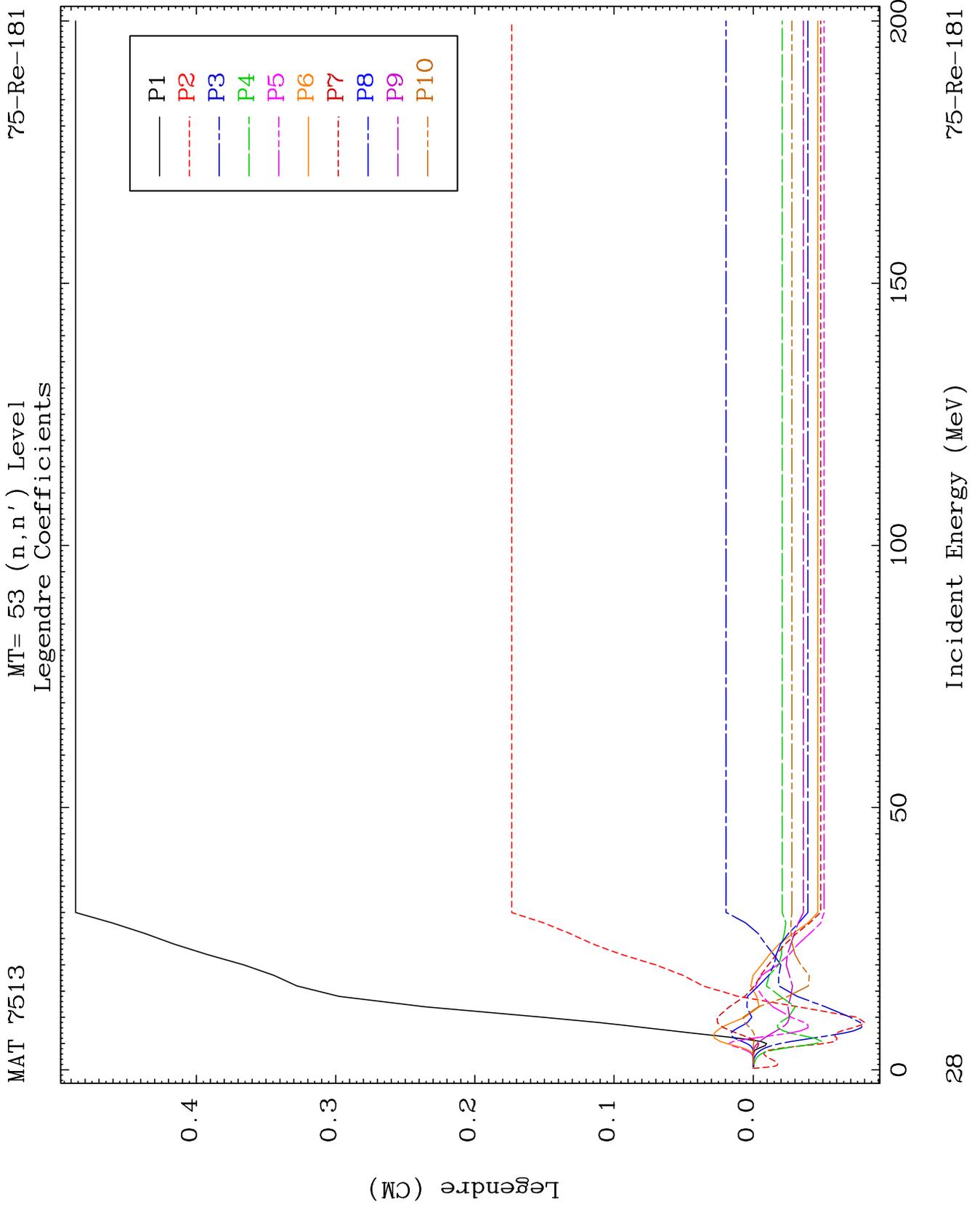
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Incident Energy (MeV)

75-Re-181



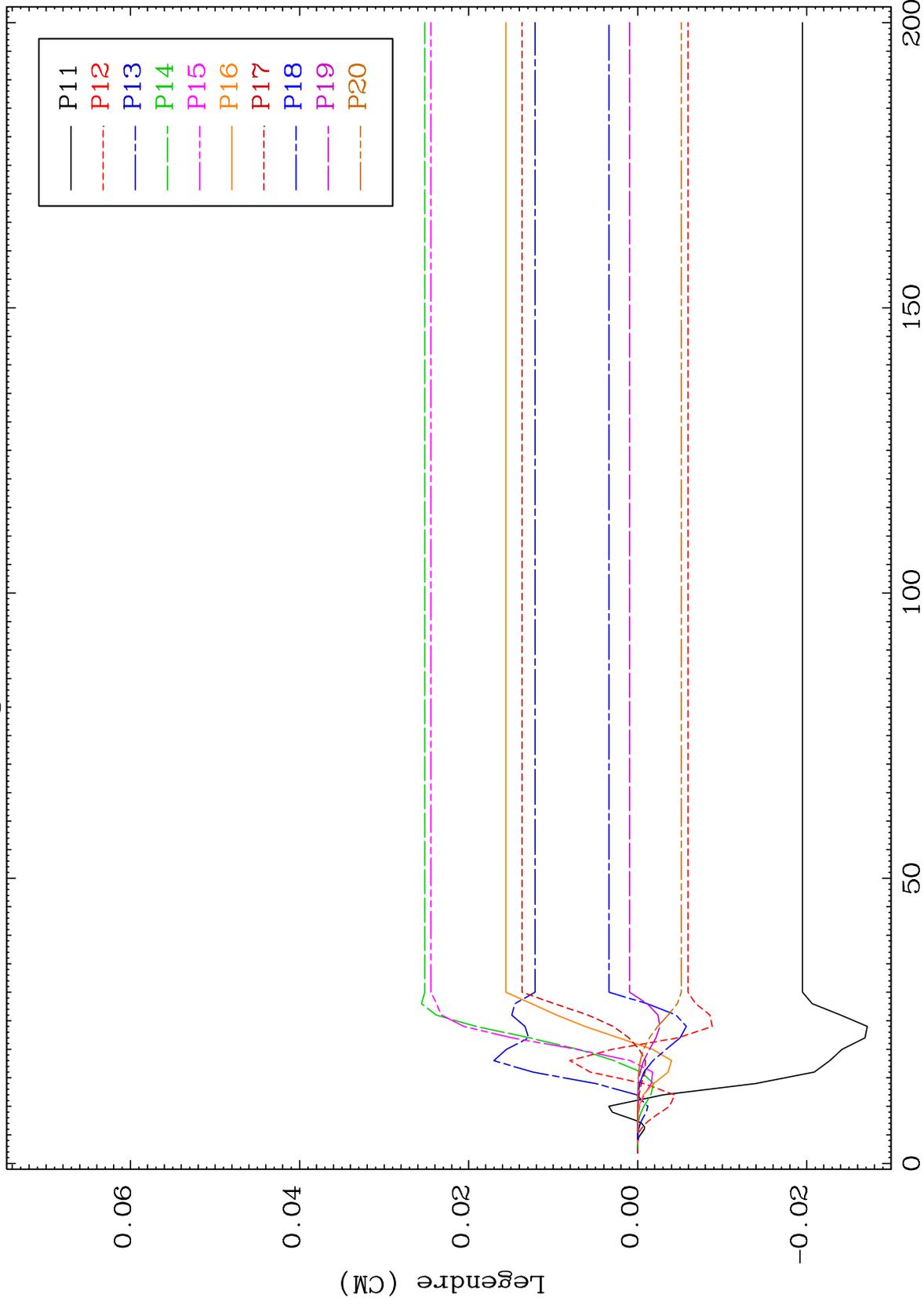




MAT 7513

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Legendre Coefficients

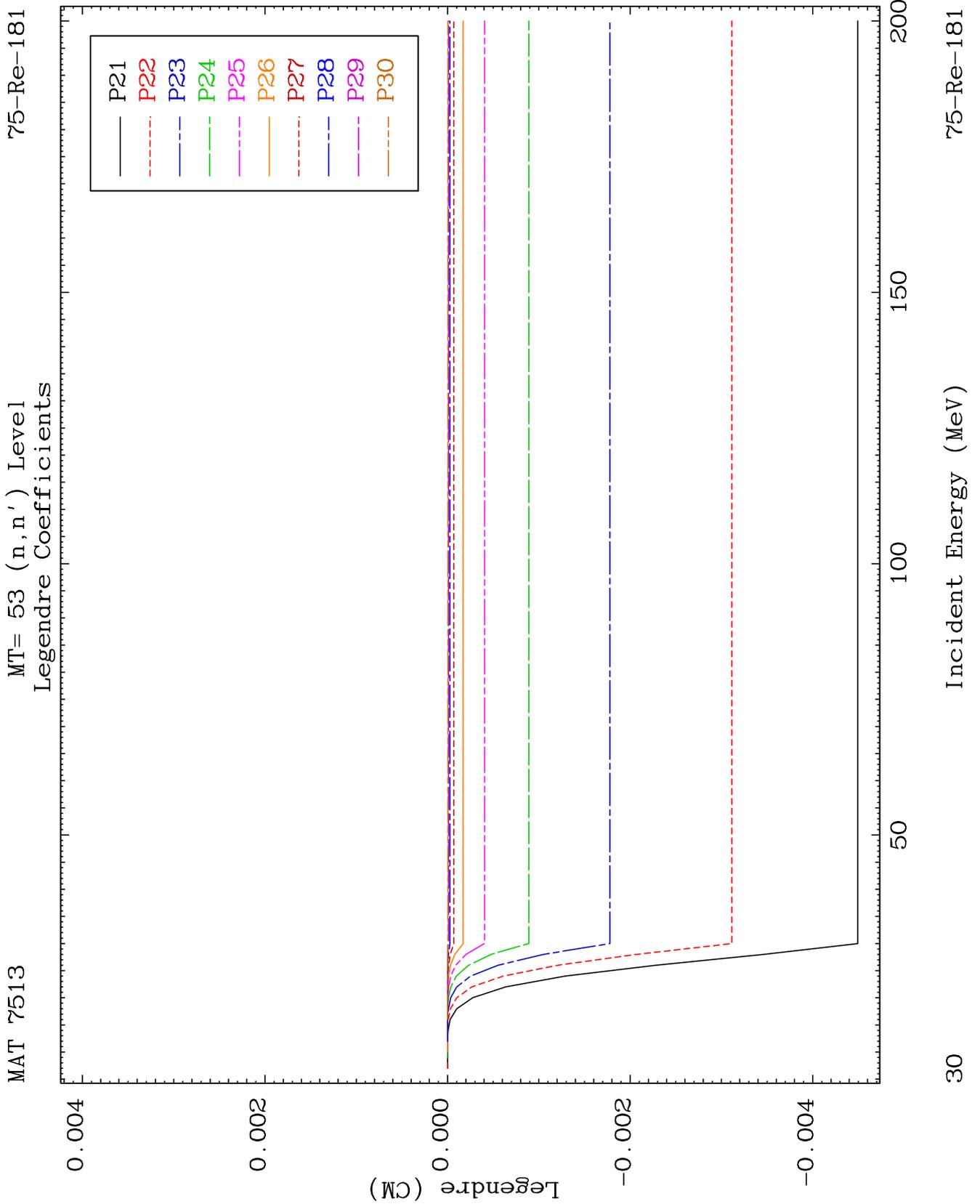
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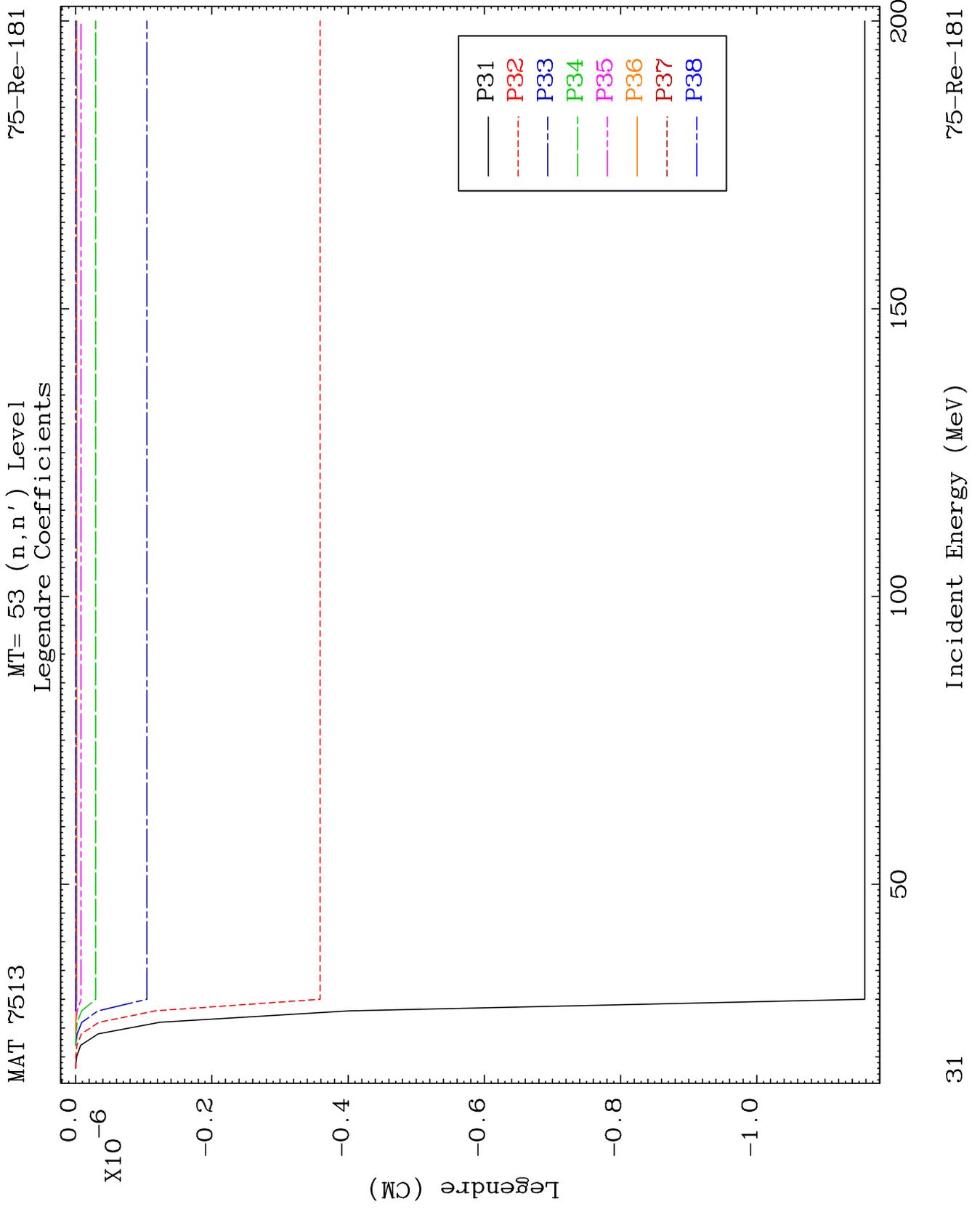


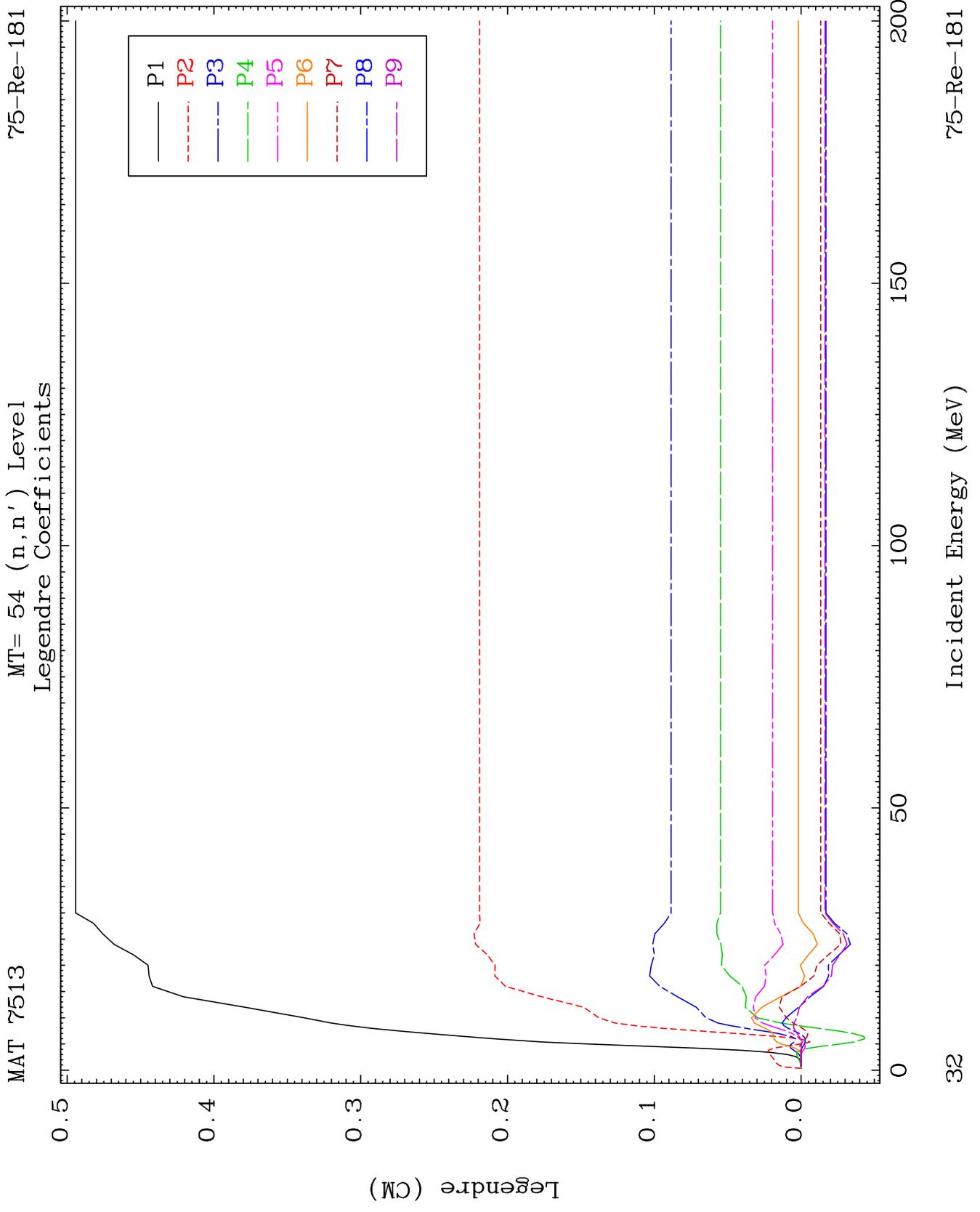
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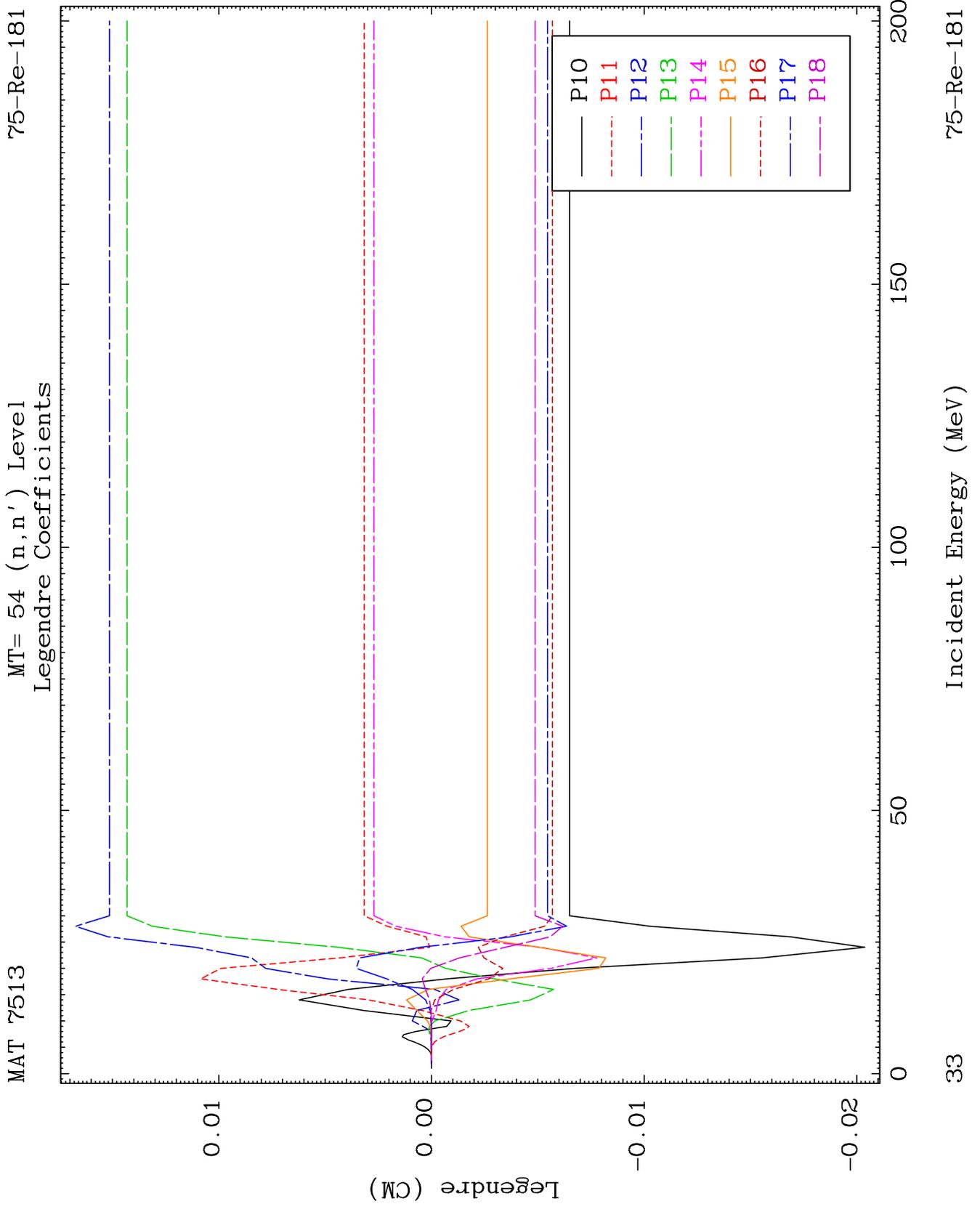
Incident Energy (MeV)

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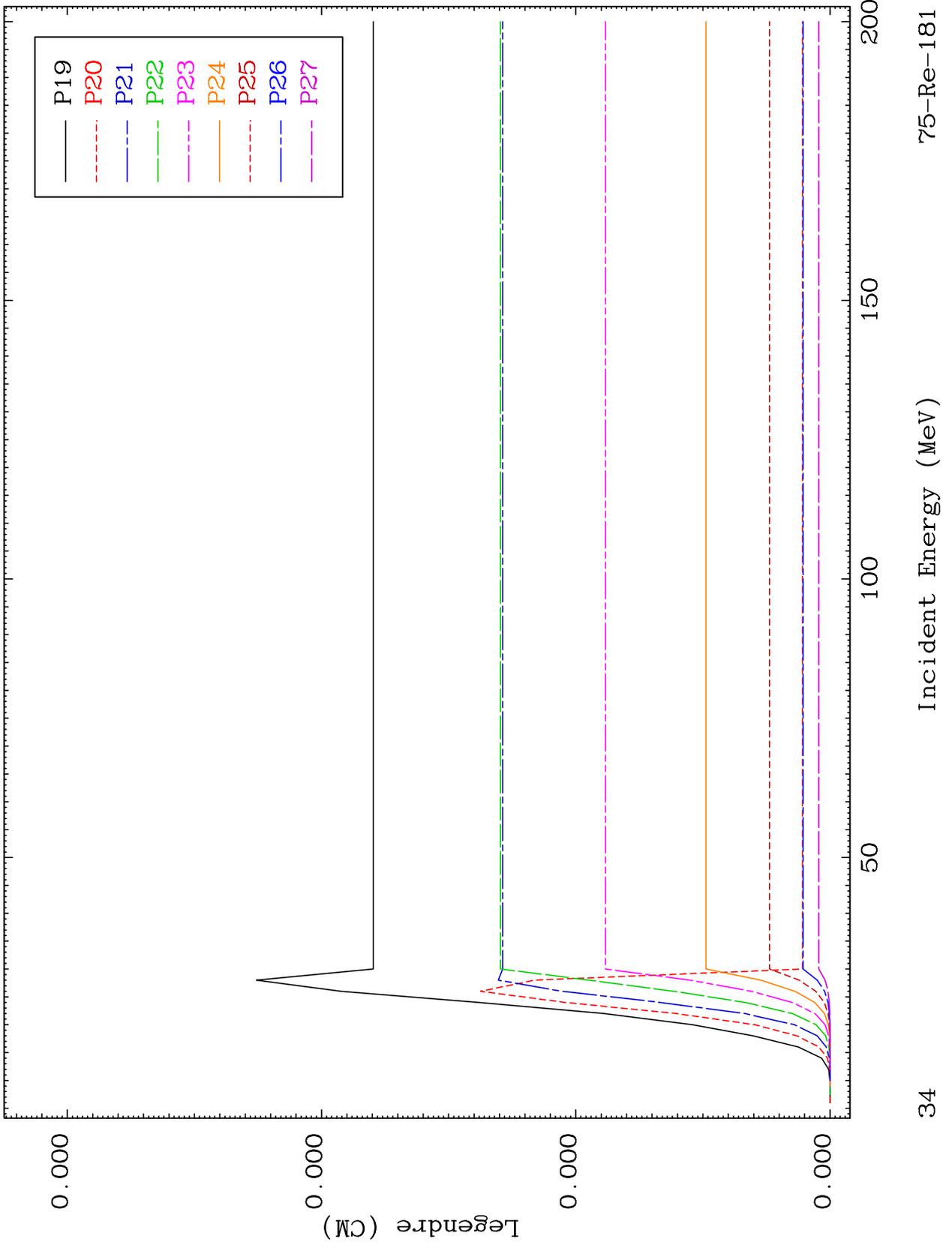




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MT= 54 (n,n') Level
Legendre Coefficients

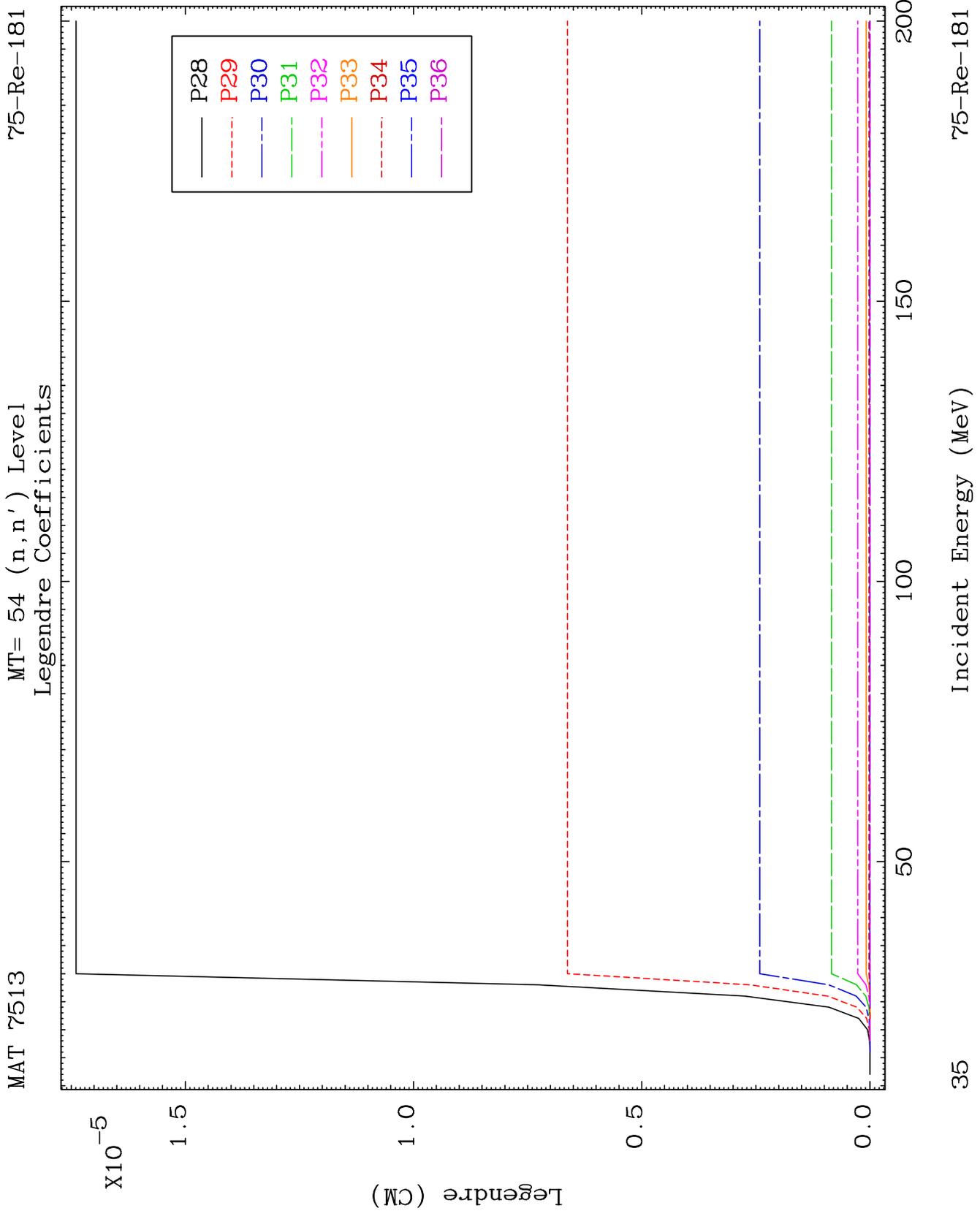
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34

Incident Energy (MeV)

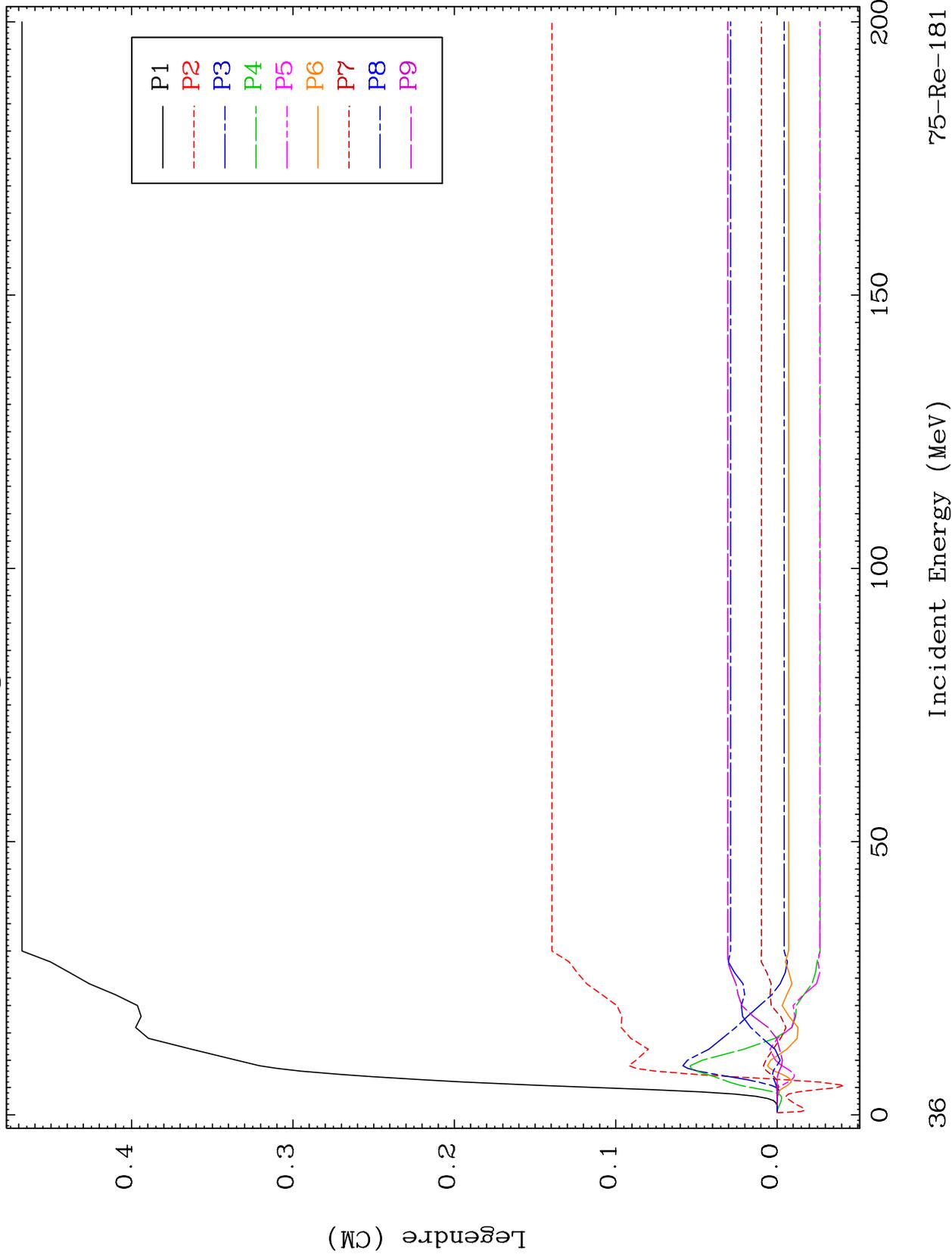
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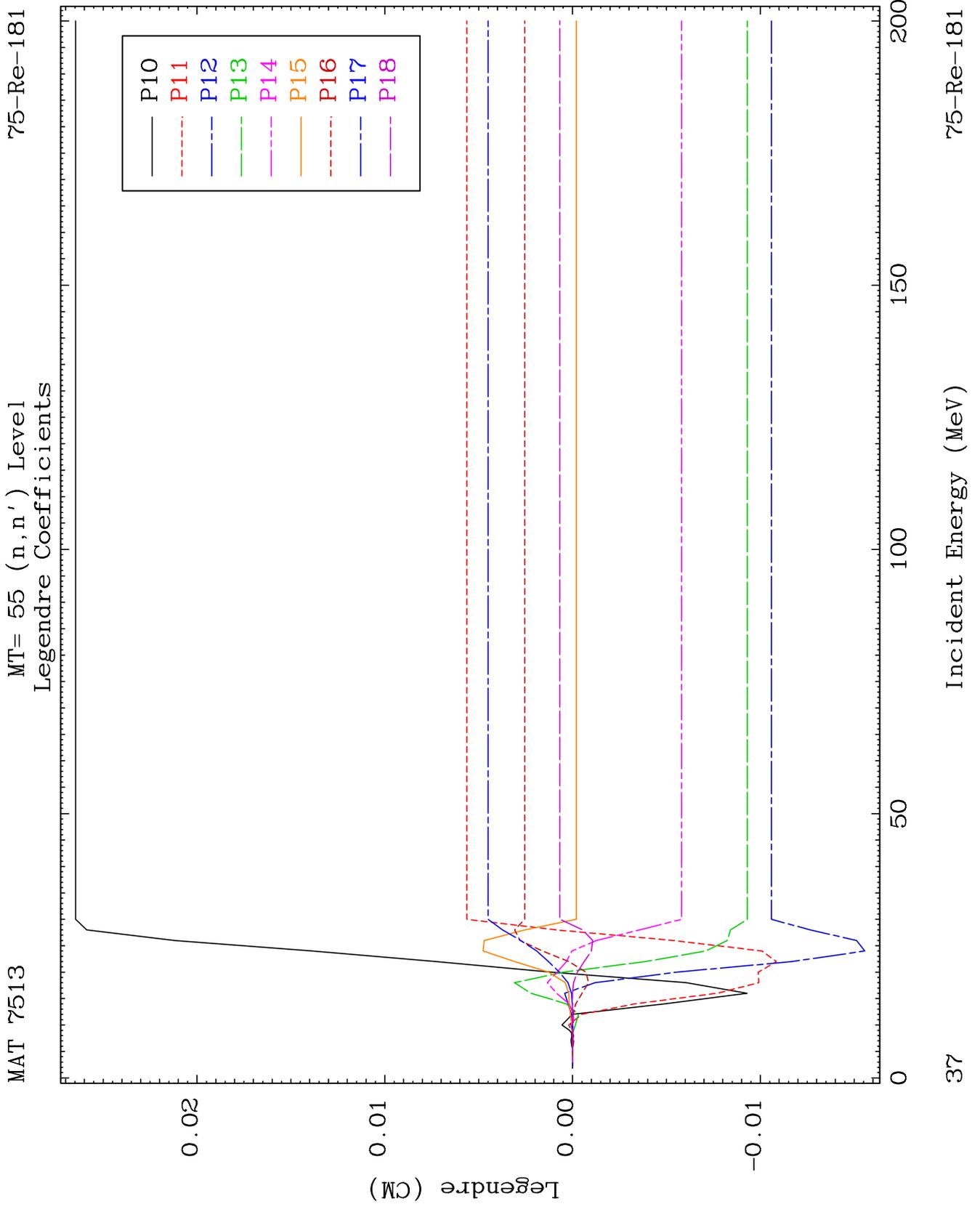
MT= 55 (n,n') Level
Legendre Coefficients

75-Re-181



36

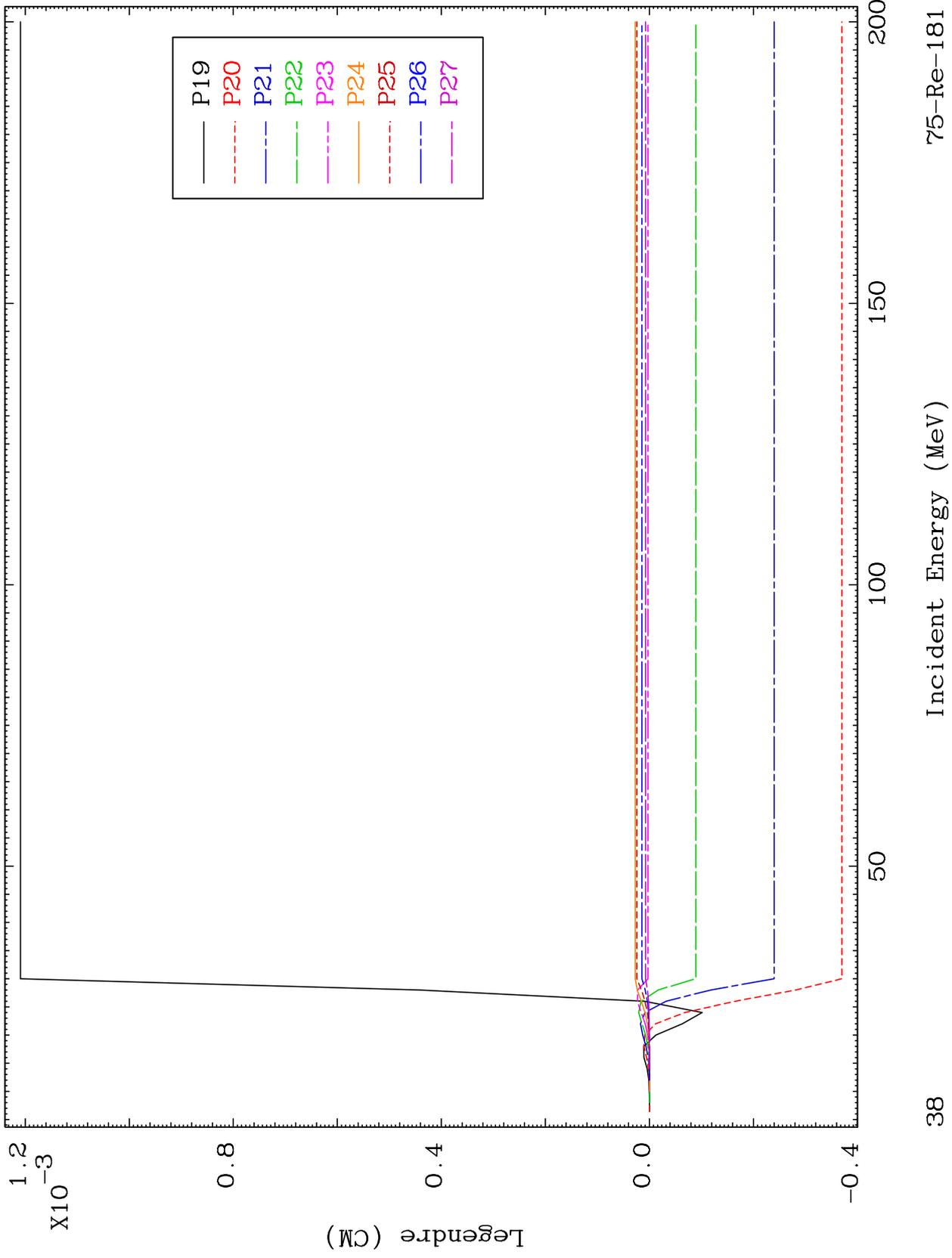
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MAT 7513

MT= 55 (n,n') Level
Legendre Coefficients

75-Re-181



38

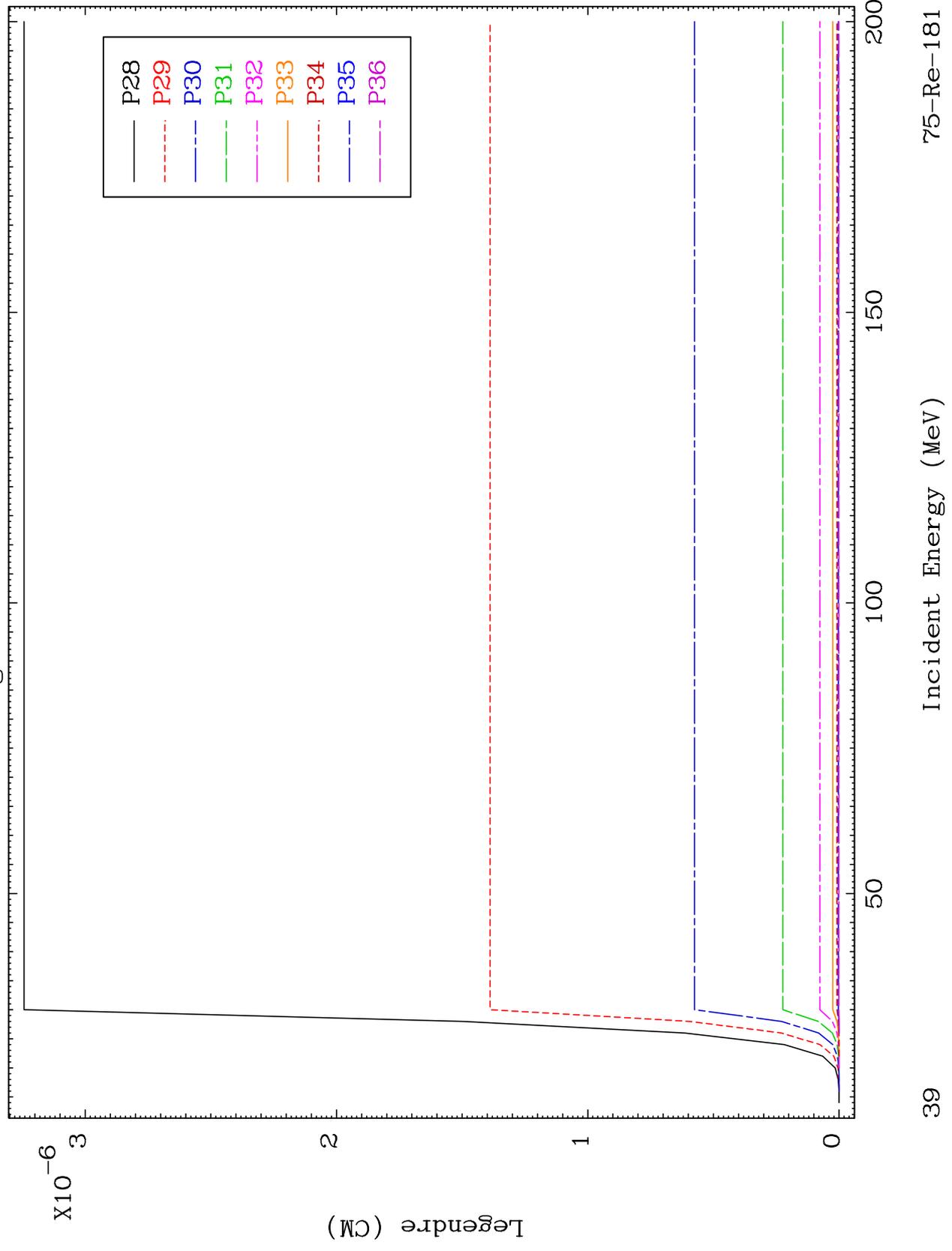
Incident Energy (MeV)

75-Re-181

MAT 7513

MT= 55 (n,n') Level
Legendre Coefficients

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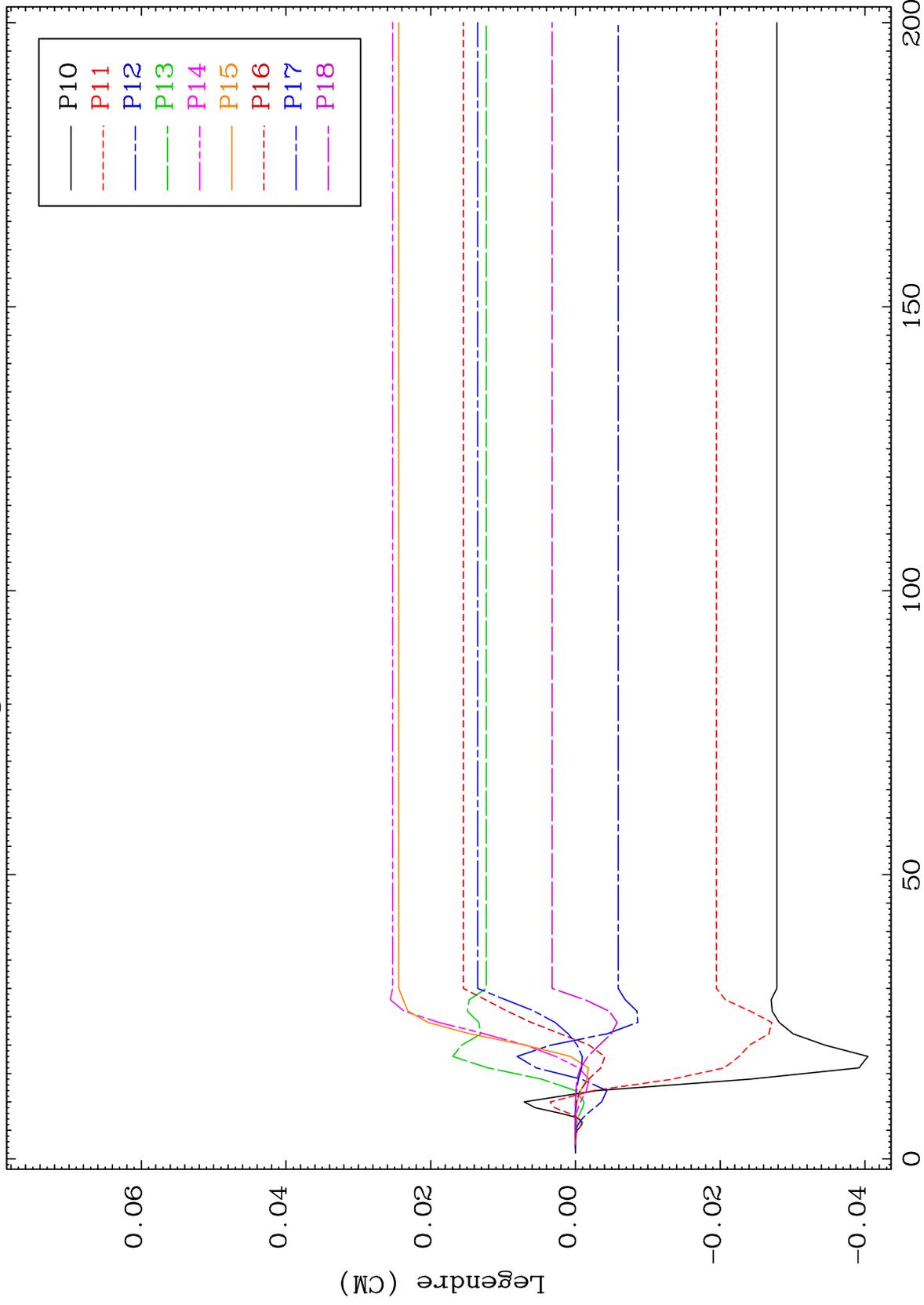


39

MAT 7513

MT= 56 (n,n') Level
Legendre Coefficients

75-Re-181



41

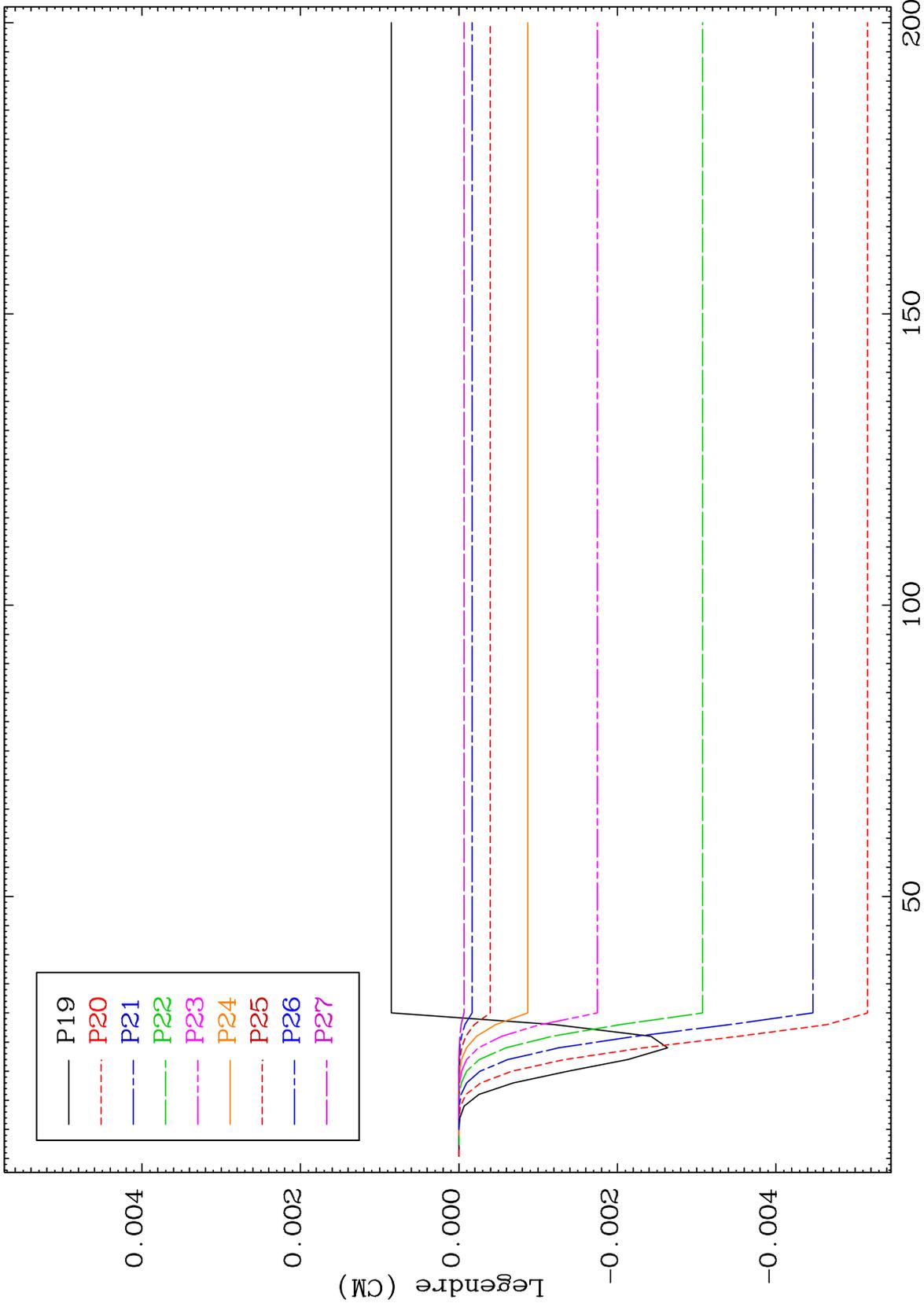
Incident Energy (MeV)

75-Re-181

MAT 7513

MT= 56 (n,n') Level
Legendre Coefficients

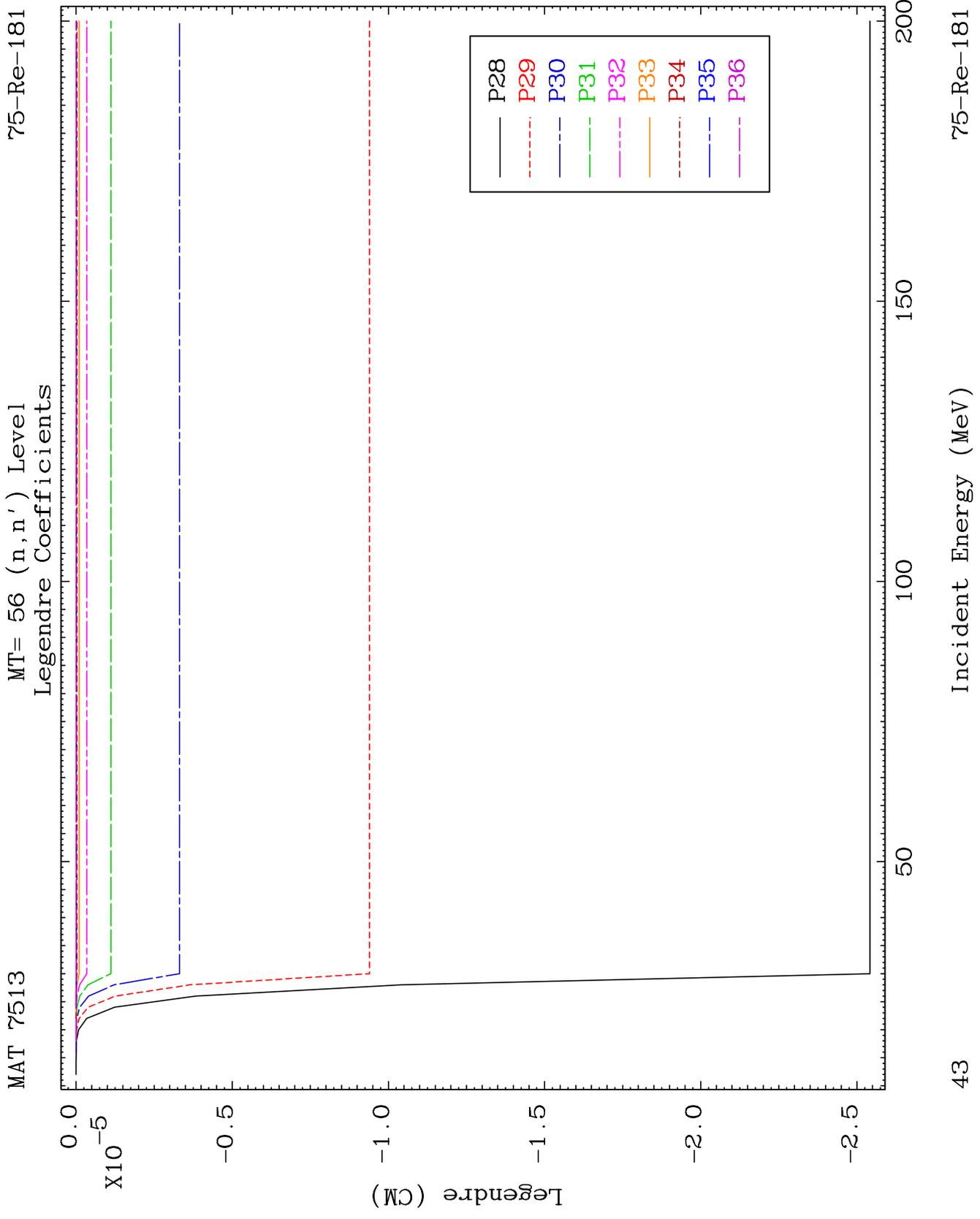
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42

Incident Energy (MeV)

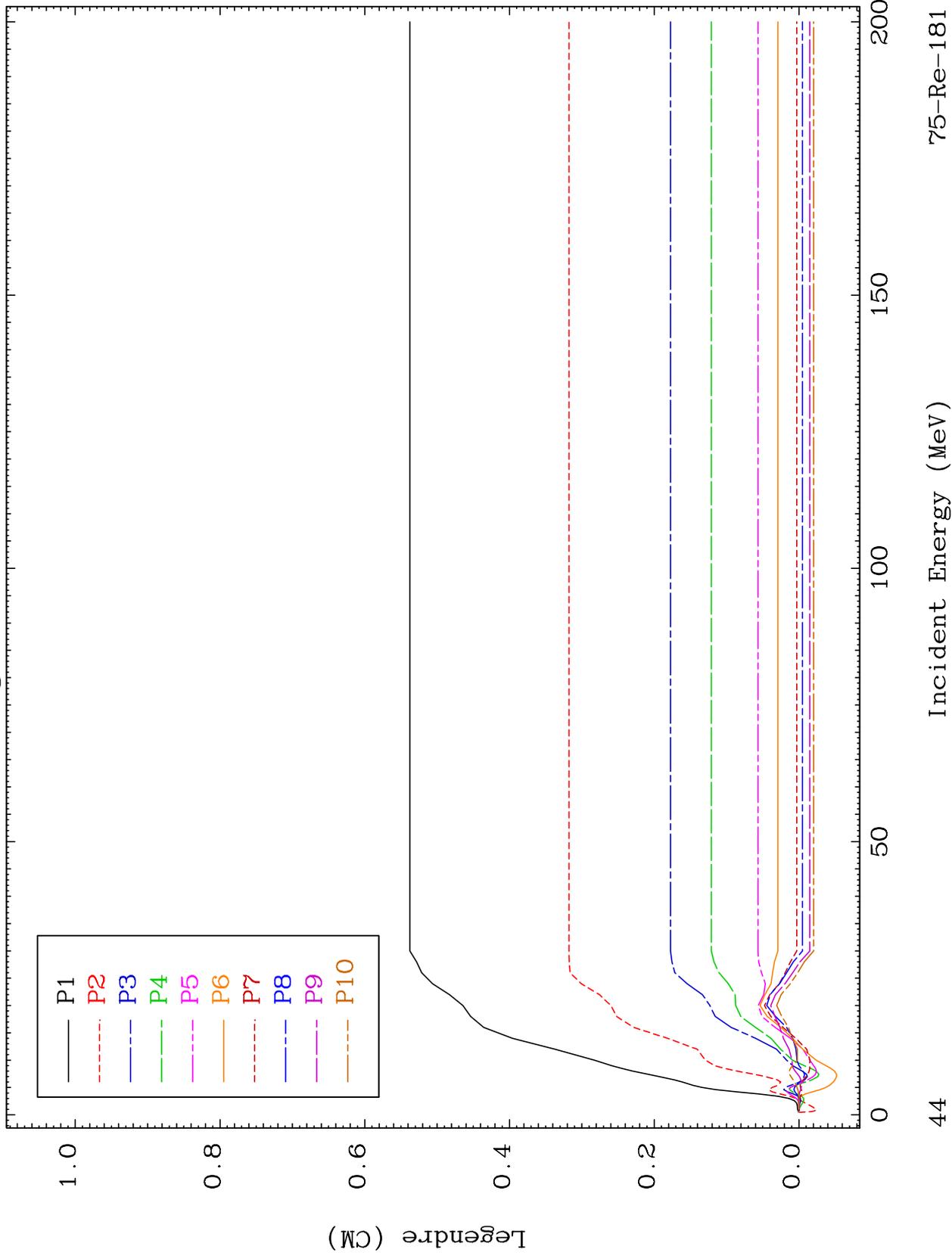
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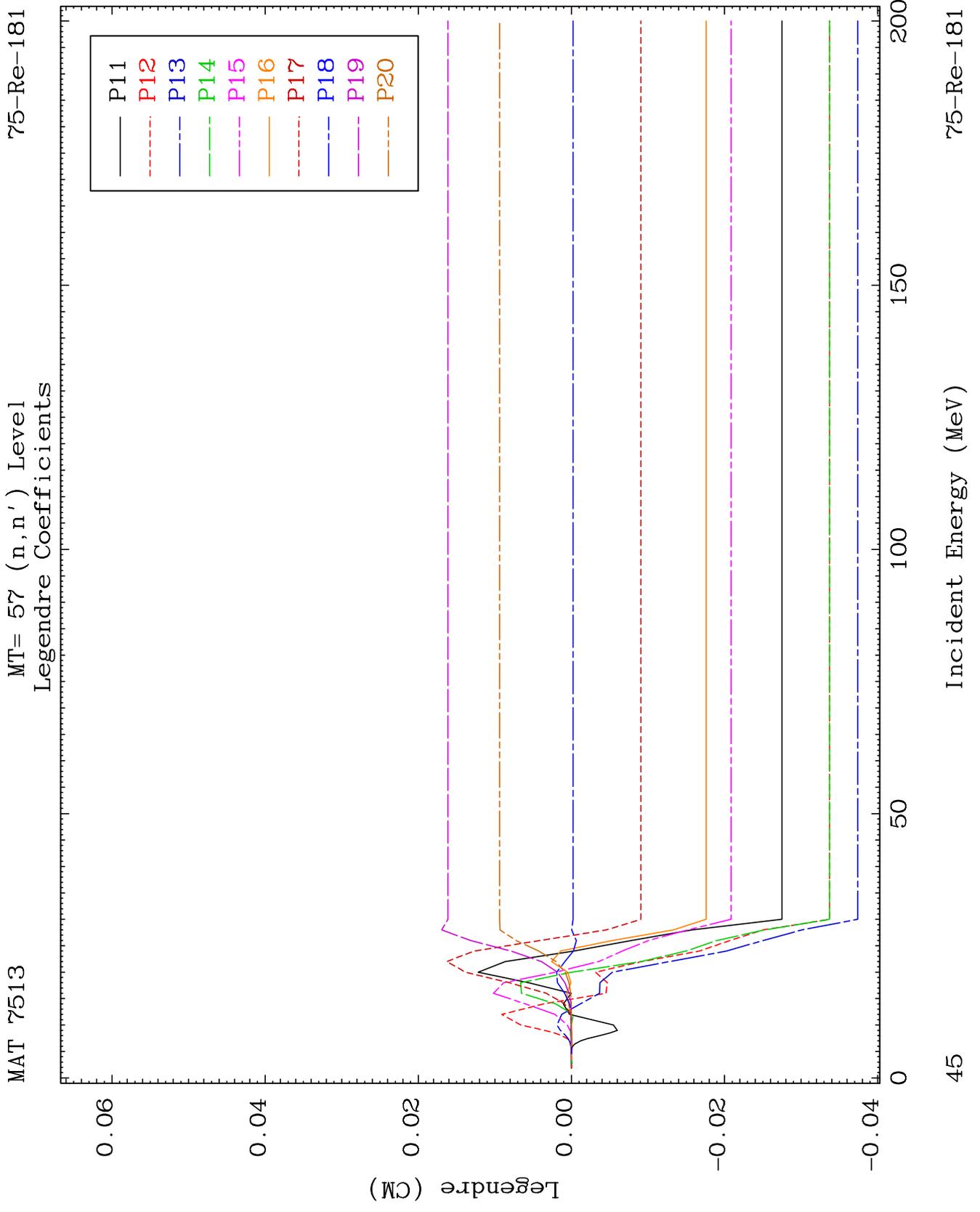


MAT 7513

MT= 57 (n,n') Level
Legendre Coefficients

75-Re-181

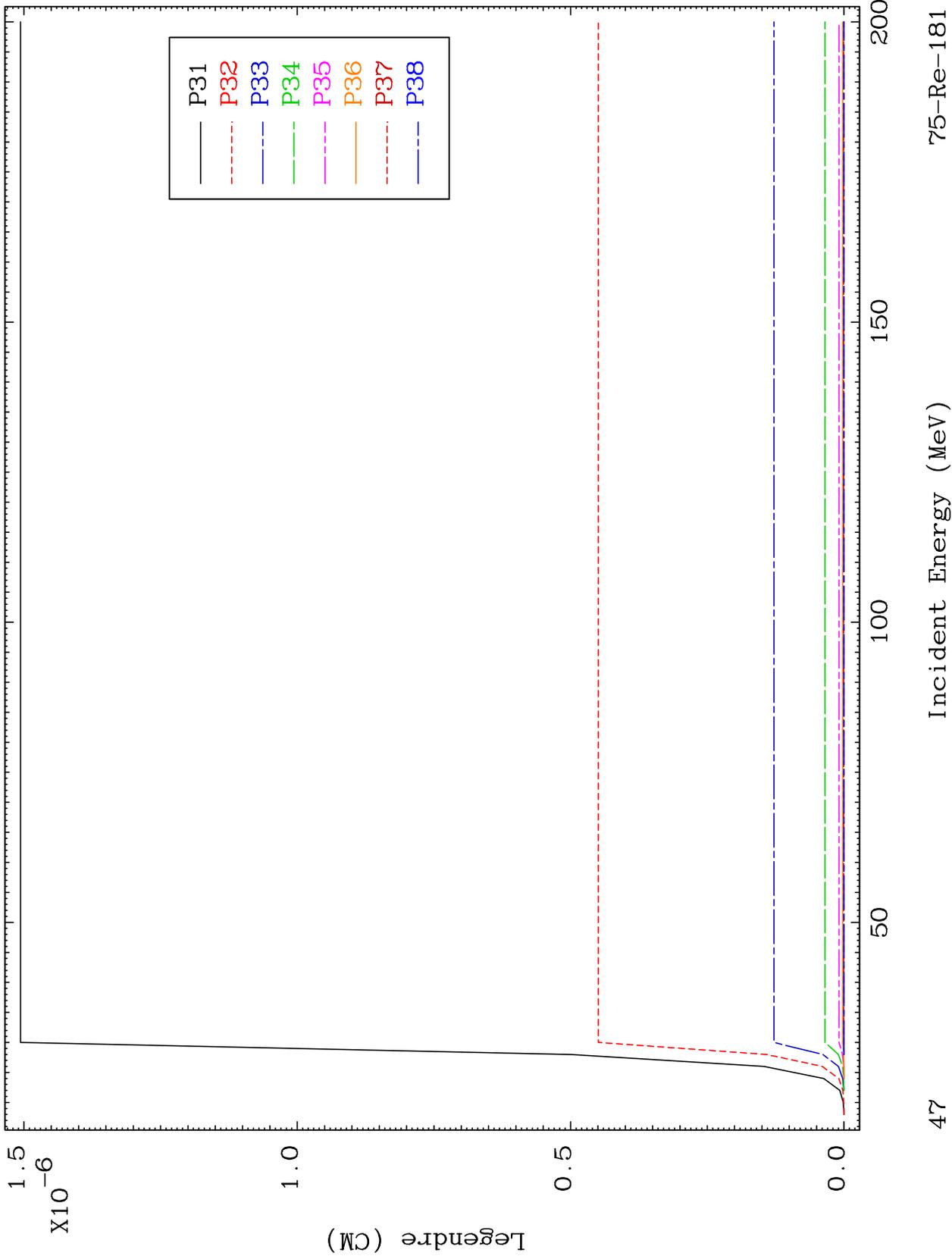




MAT 7513

MT= 57 (n,n') Level
Legendre Coefficients

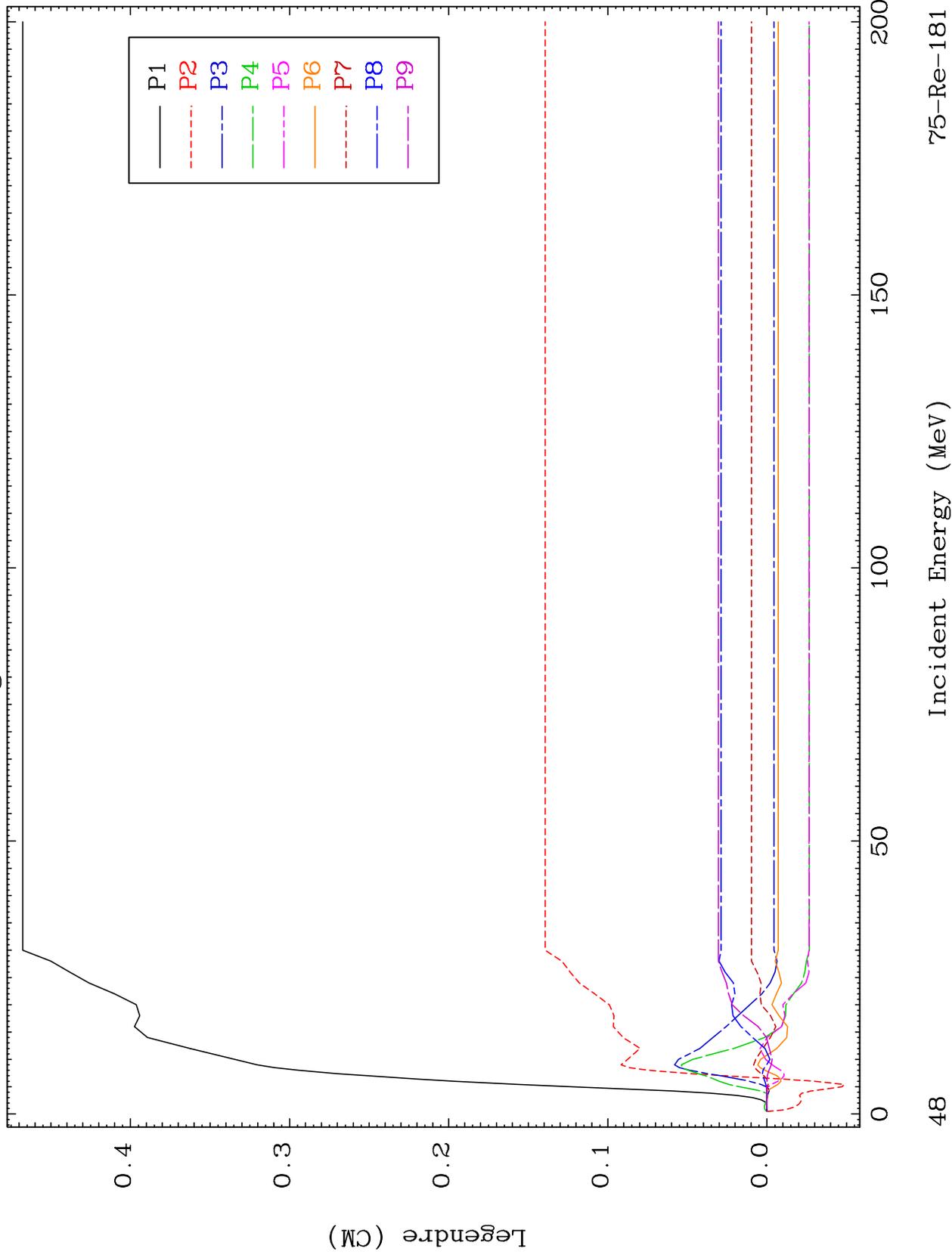
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MAT 7513

MT= 58 (n,n') Level
Legendre Coefficients

75-Re-181



48

Incident Energy (MeV)

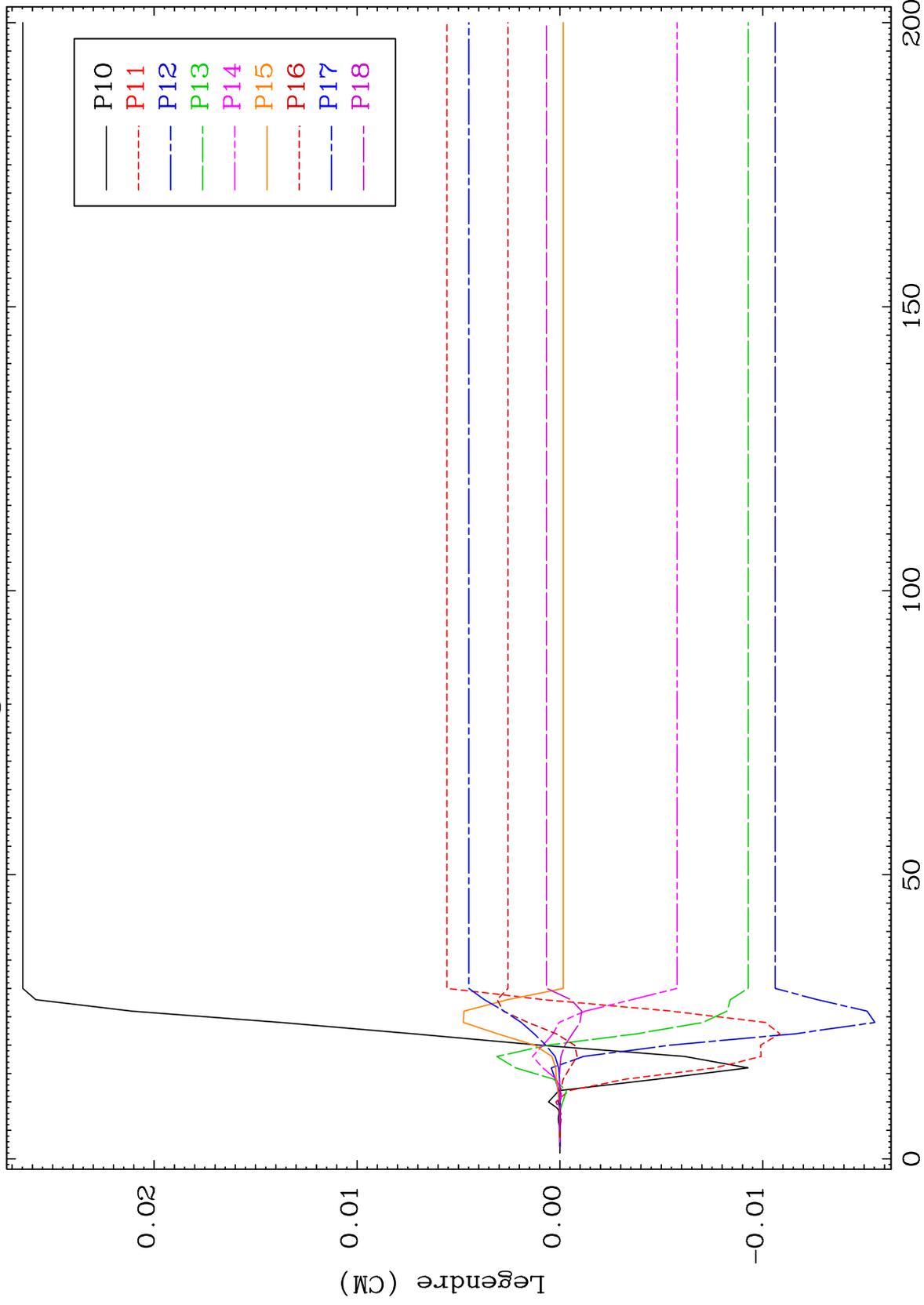
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MAT 7513

MT= 58 (n,n') Level

75-Re-181

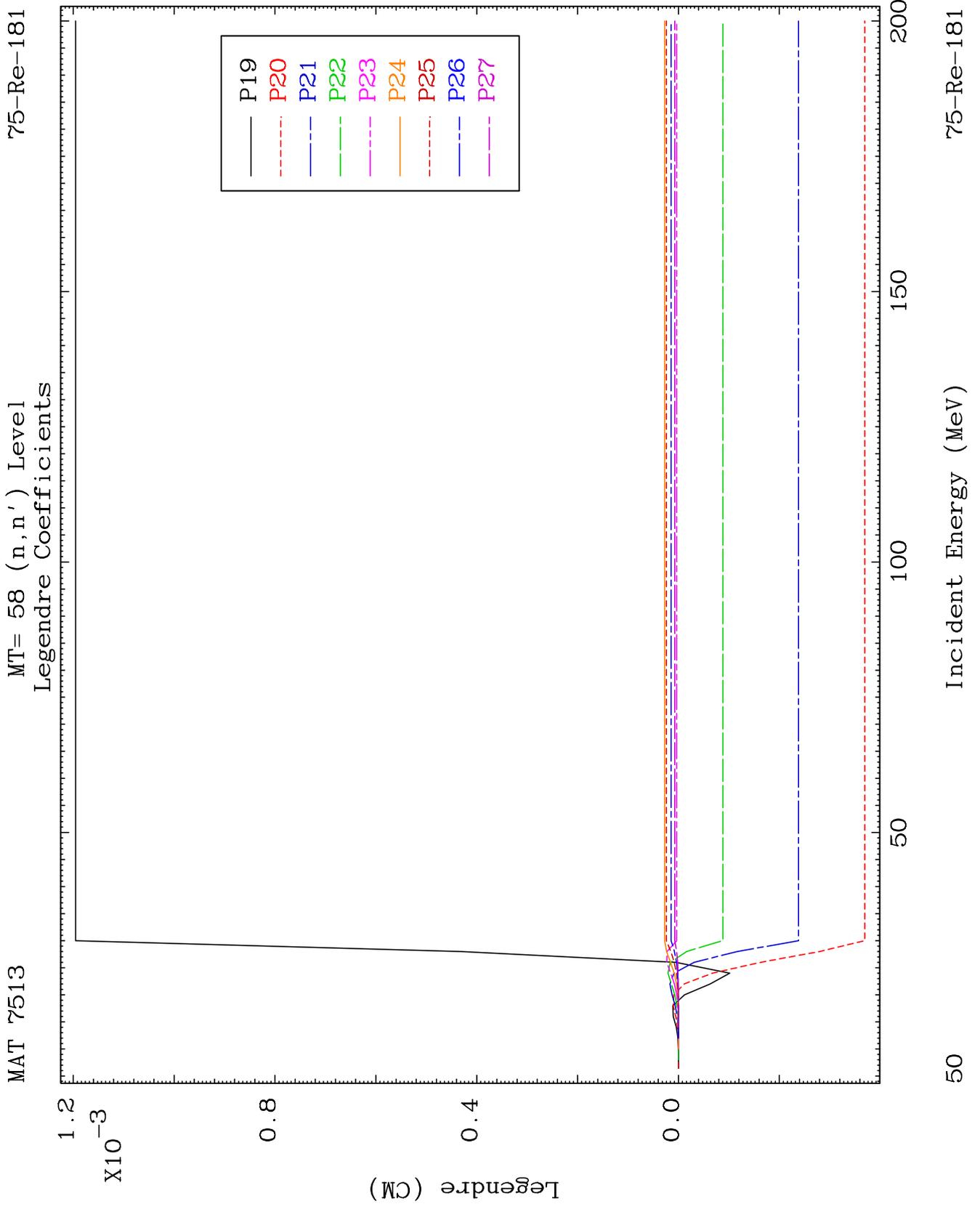
Legendre Coefficients



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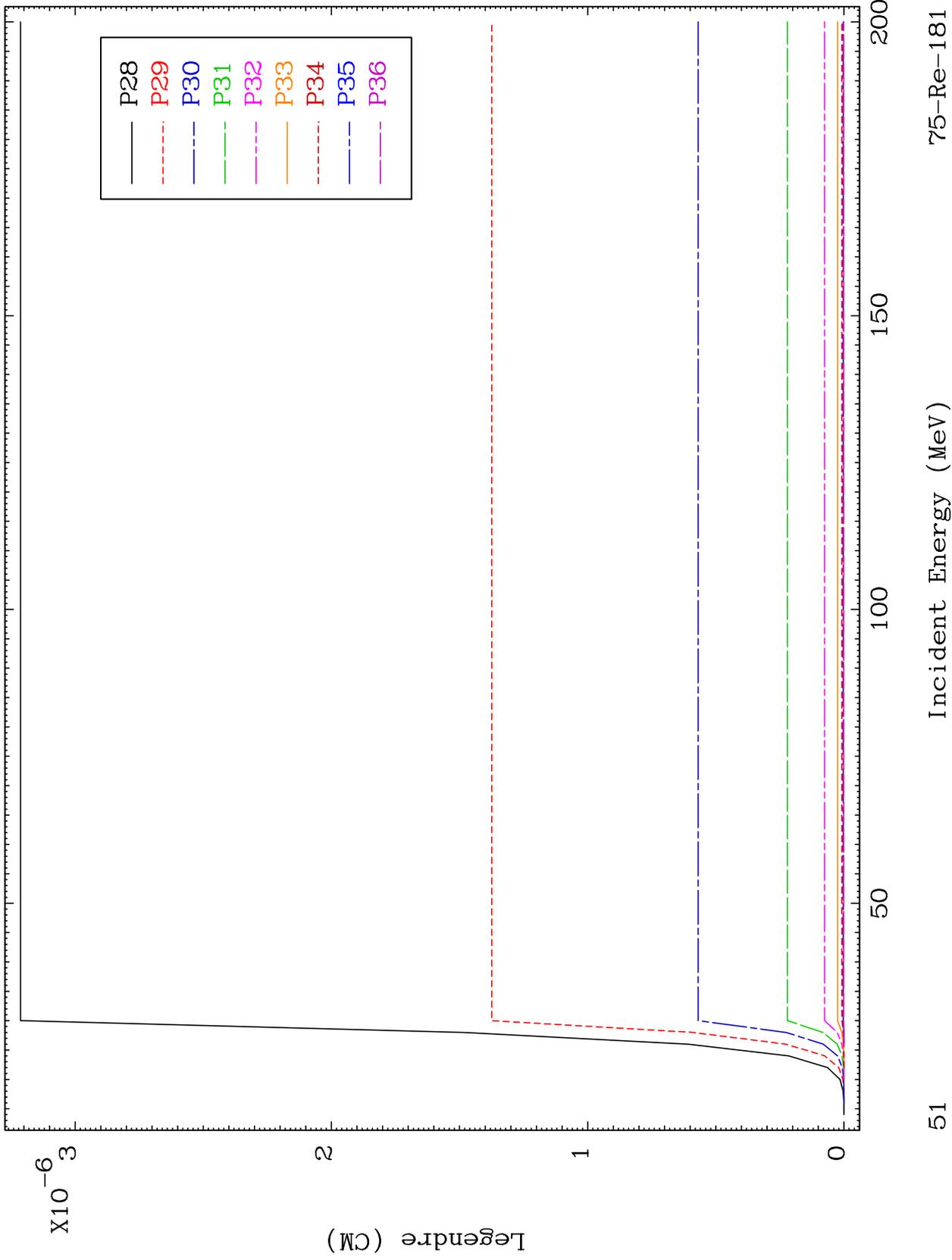
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MAT 7513

MT= 58 (n,n') Level
Legendre Coefficients

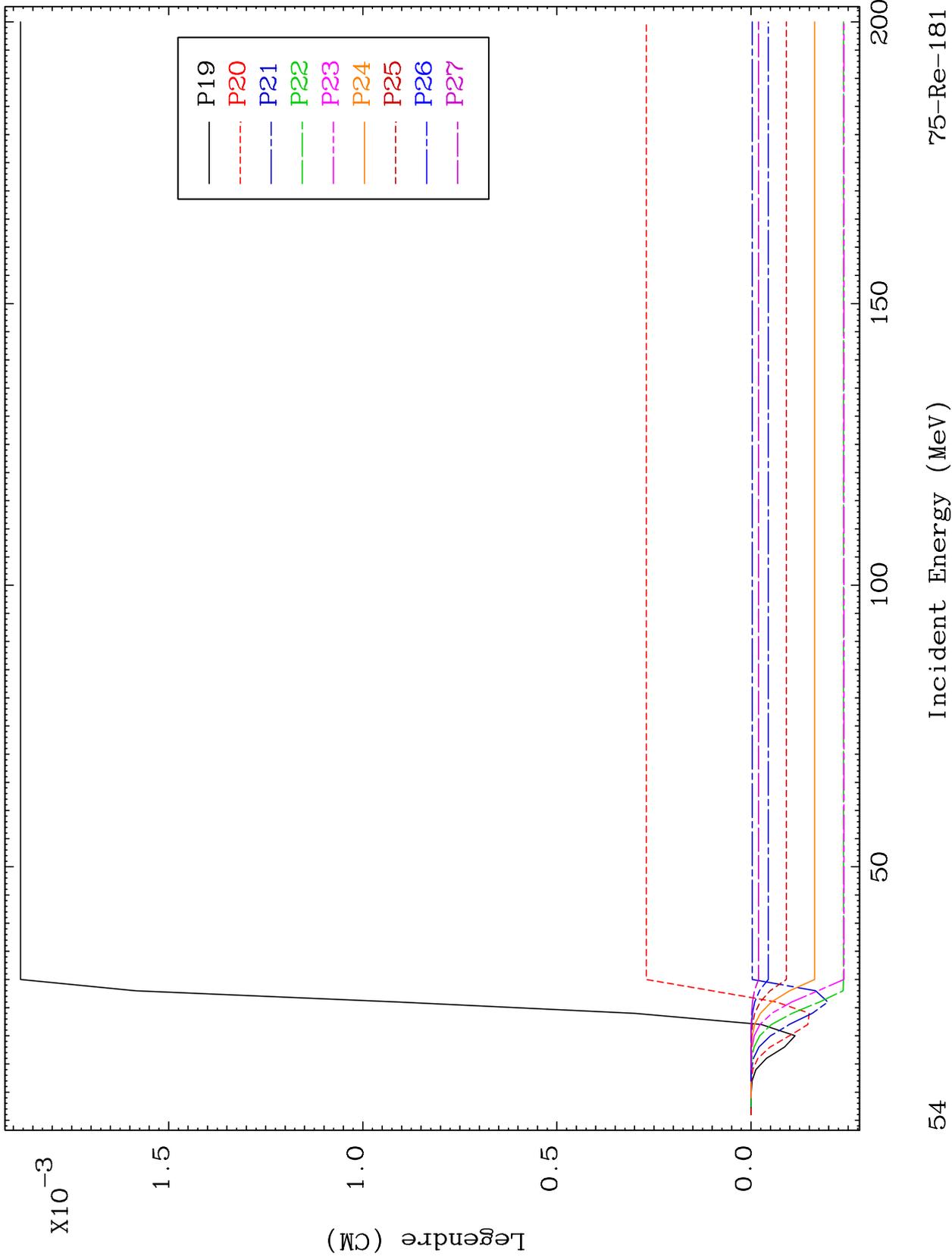
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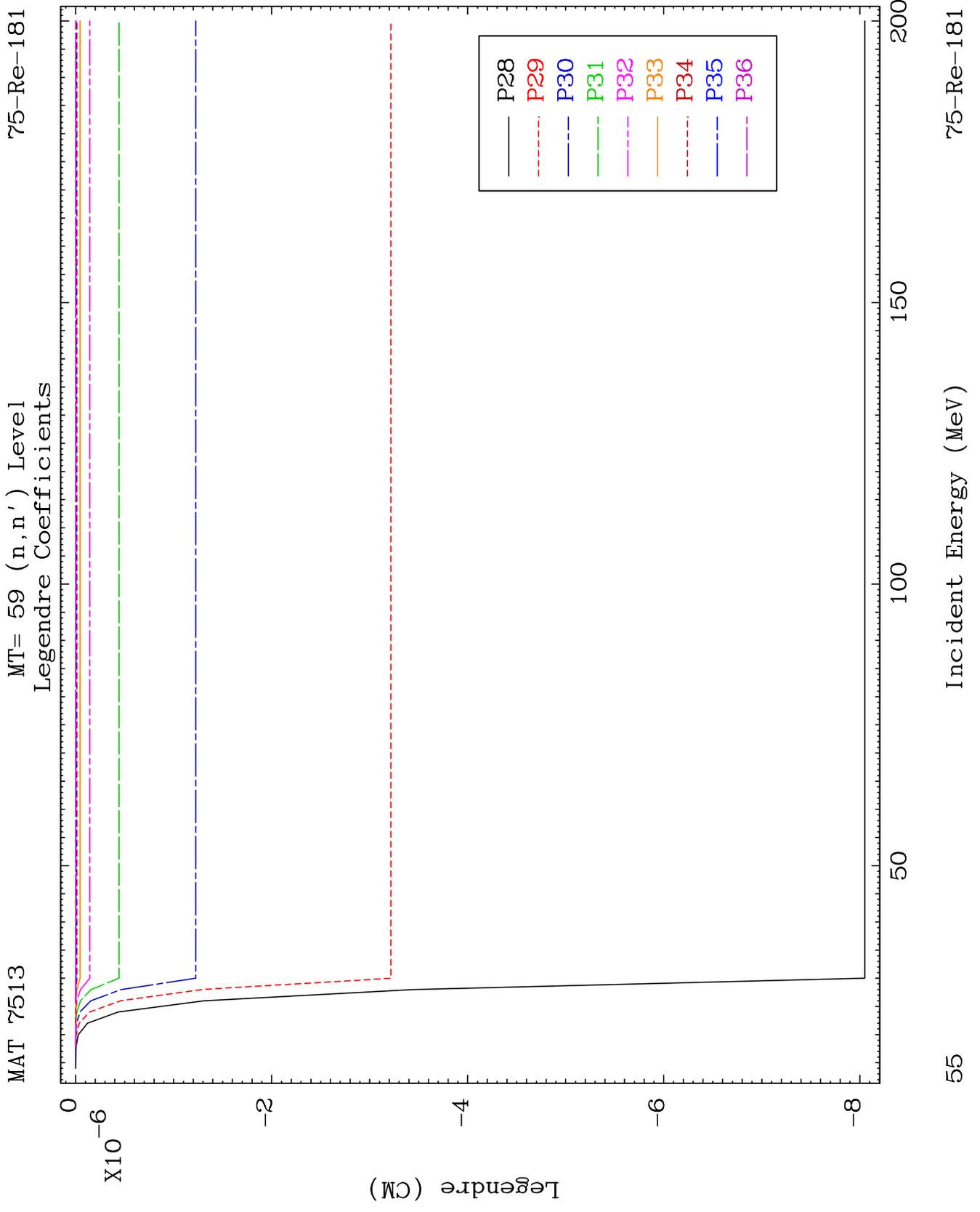


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Incident Energy (MeV)

75-Re-181

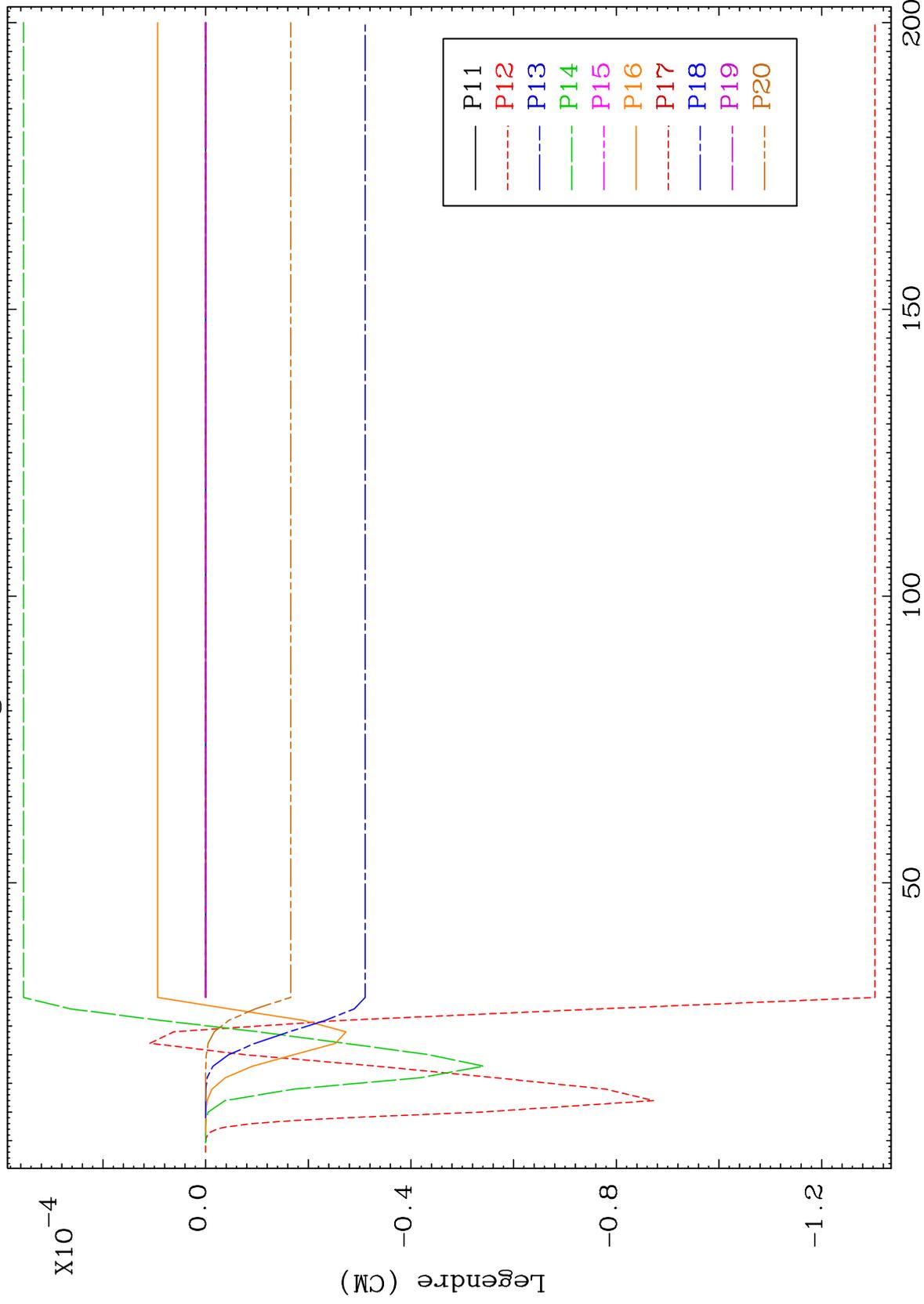




MAT 7513

MT= 60 (n,n') Level
Legendre Coefficients

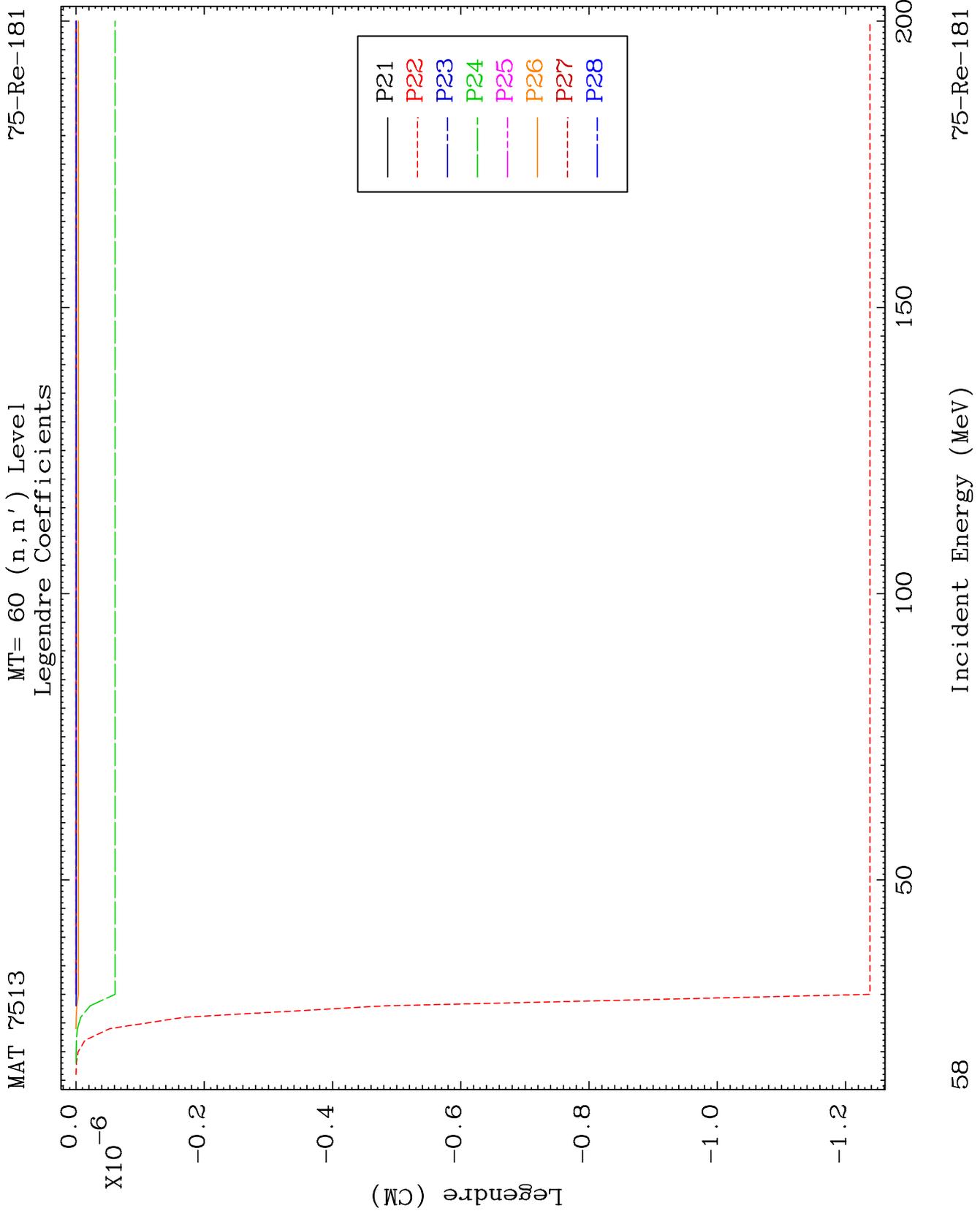
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57

Incident Energy (MeV)

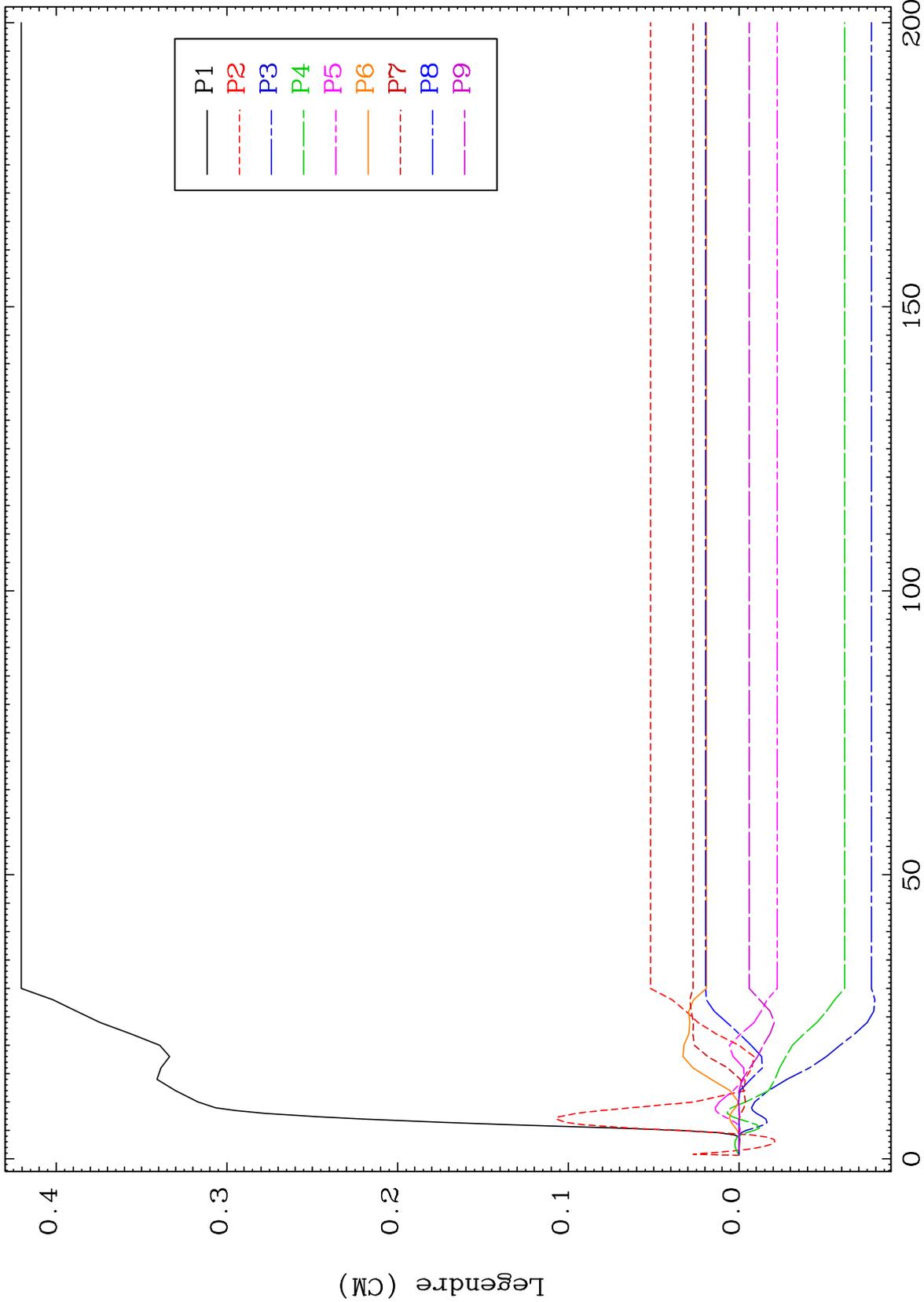
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MAT 7513

MT= 61 (n,n') Level
Legendre Coefficients

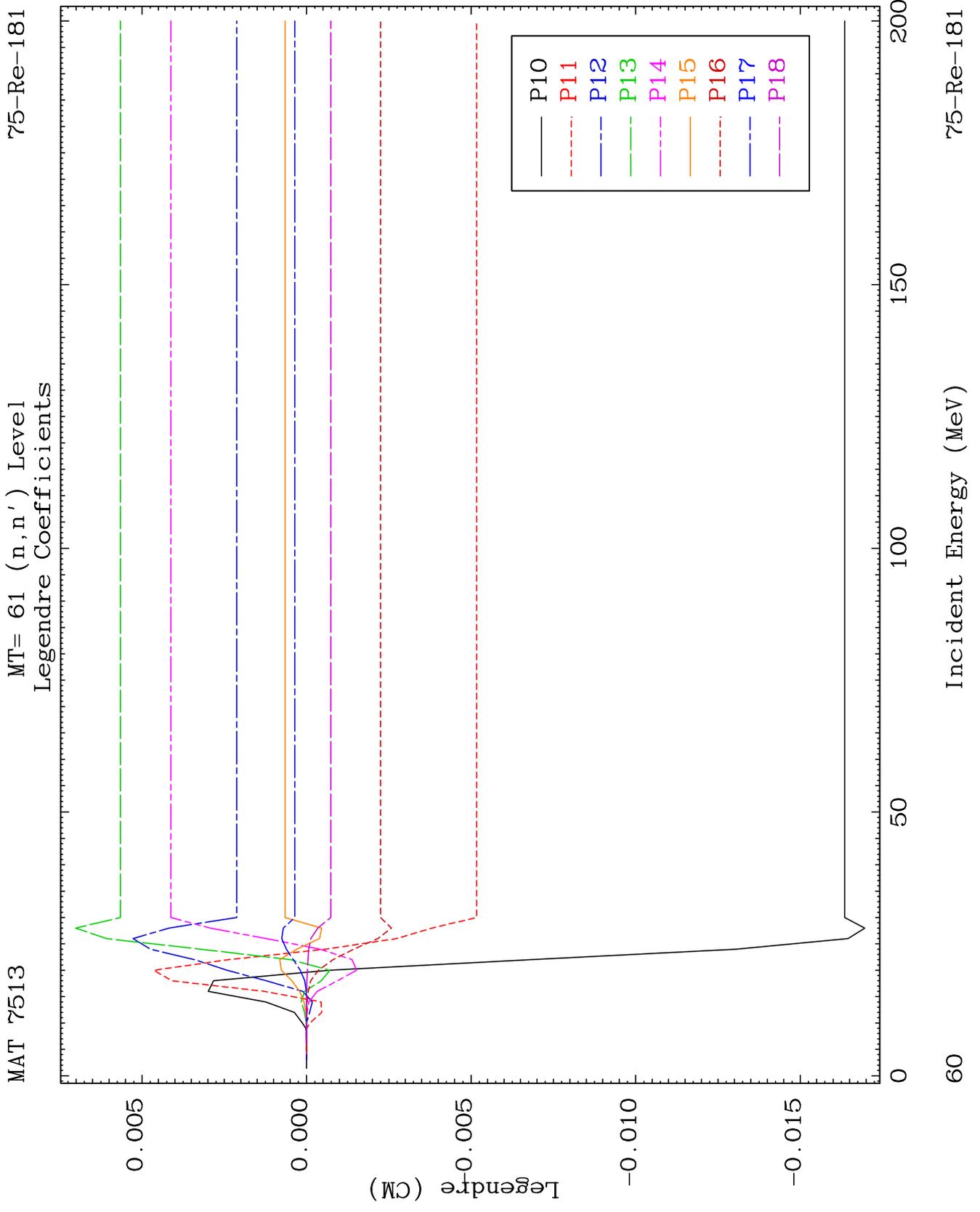
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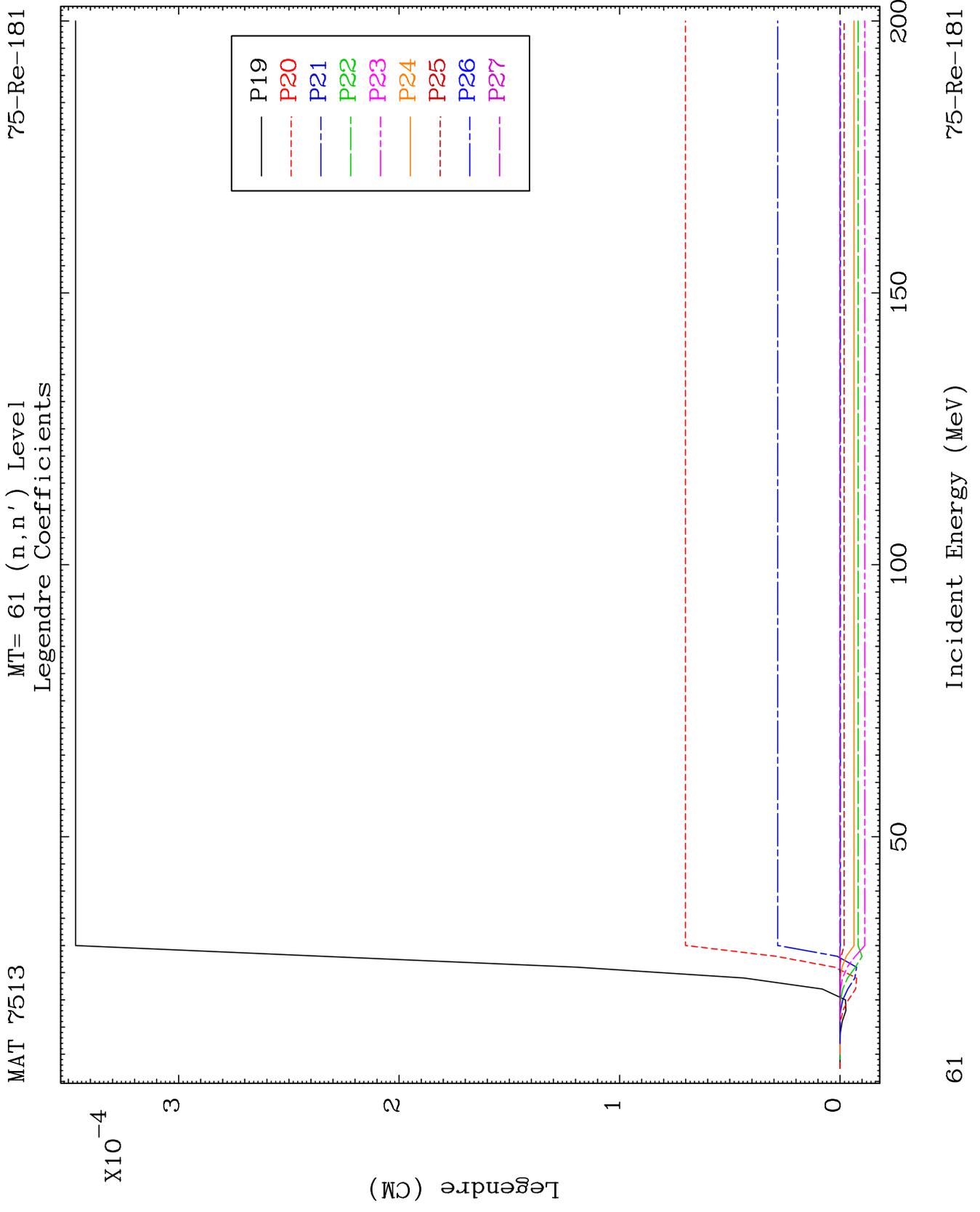


59

Incident Energy (MeV)

75-Re-181

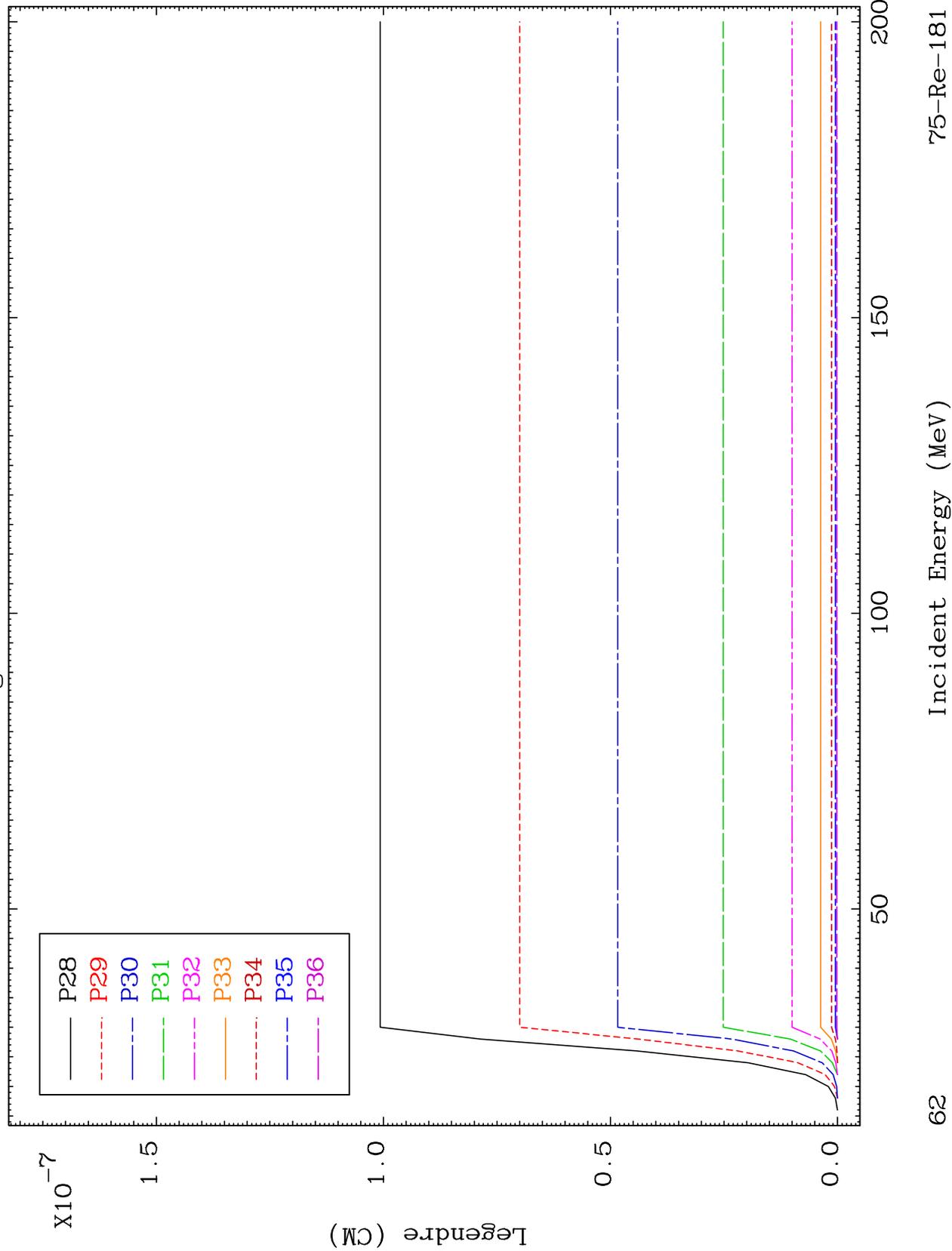




MAT 7513

MT= 61 (n,n') Level
Legendre Coefficients

75-Re-181



62

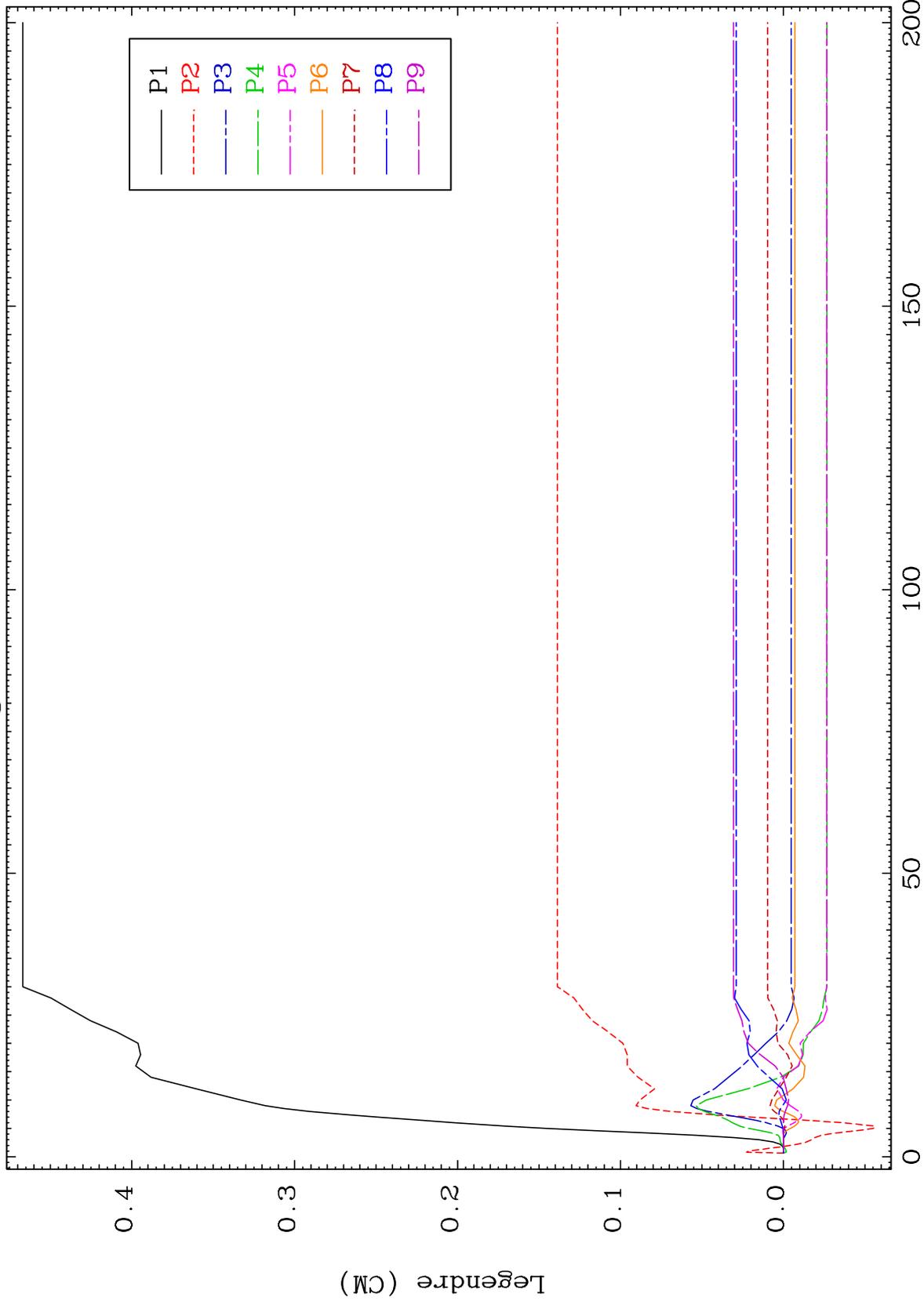
Incident Energy (MeV)

75-Re-181

MAT 7513

MT= 62 (n,n') Level
Legendre Coefficients

75-Re-181



63

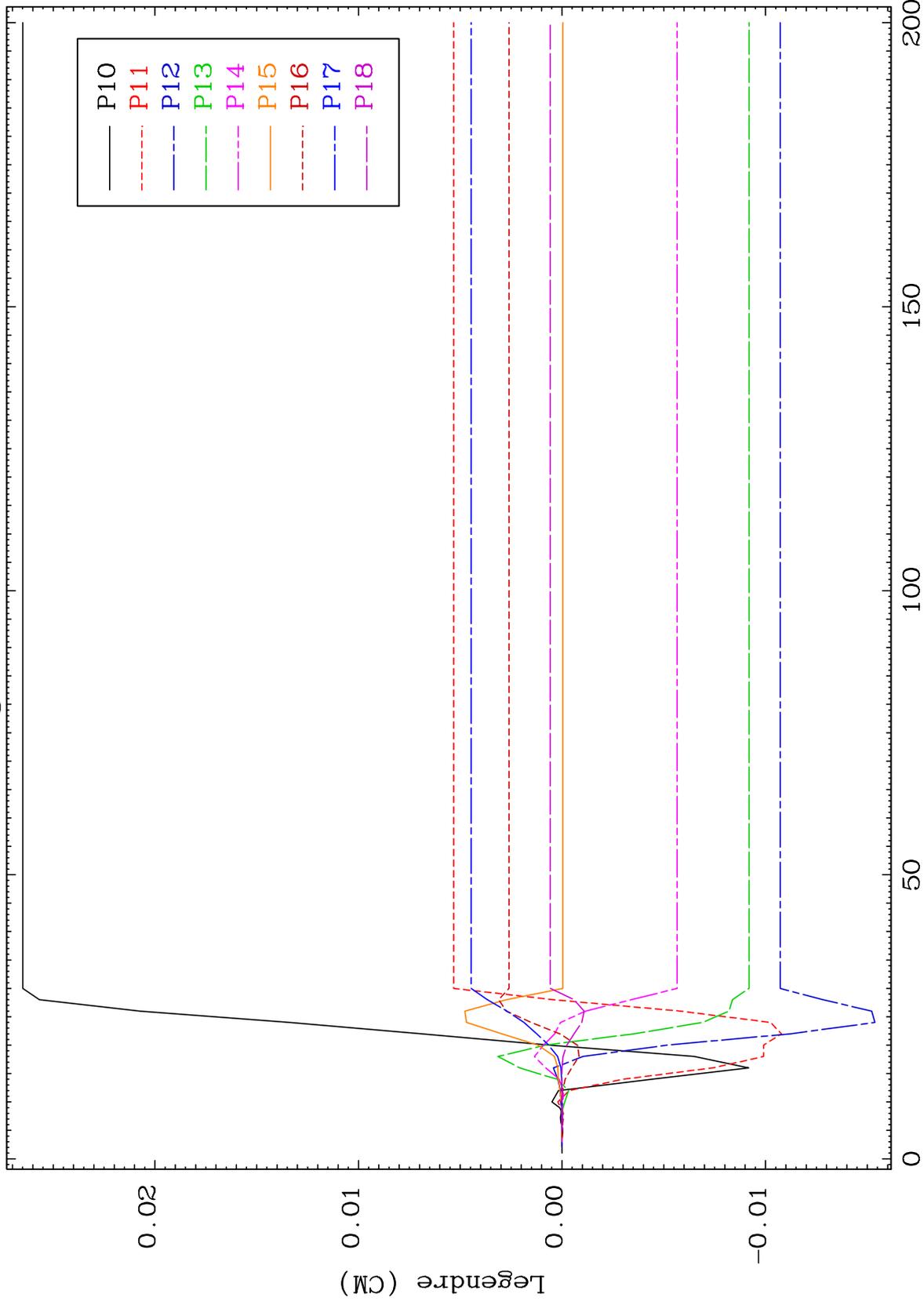
Incident Energy (MeV)

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MAT 7513

MT= 62 (n,n') Level Legendre Coefficients

75-Re-181



64

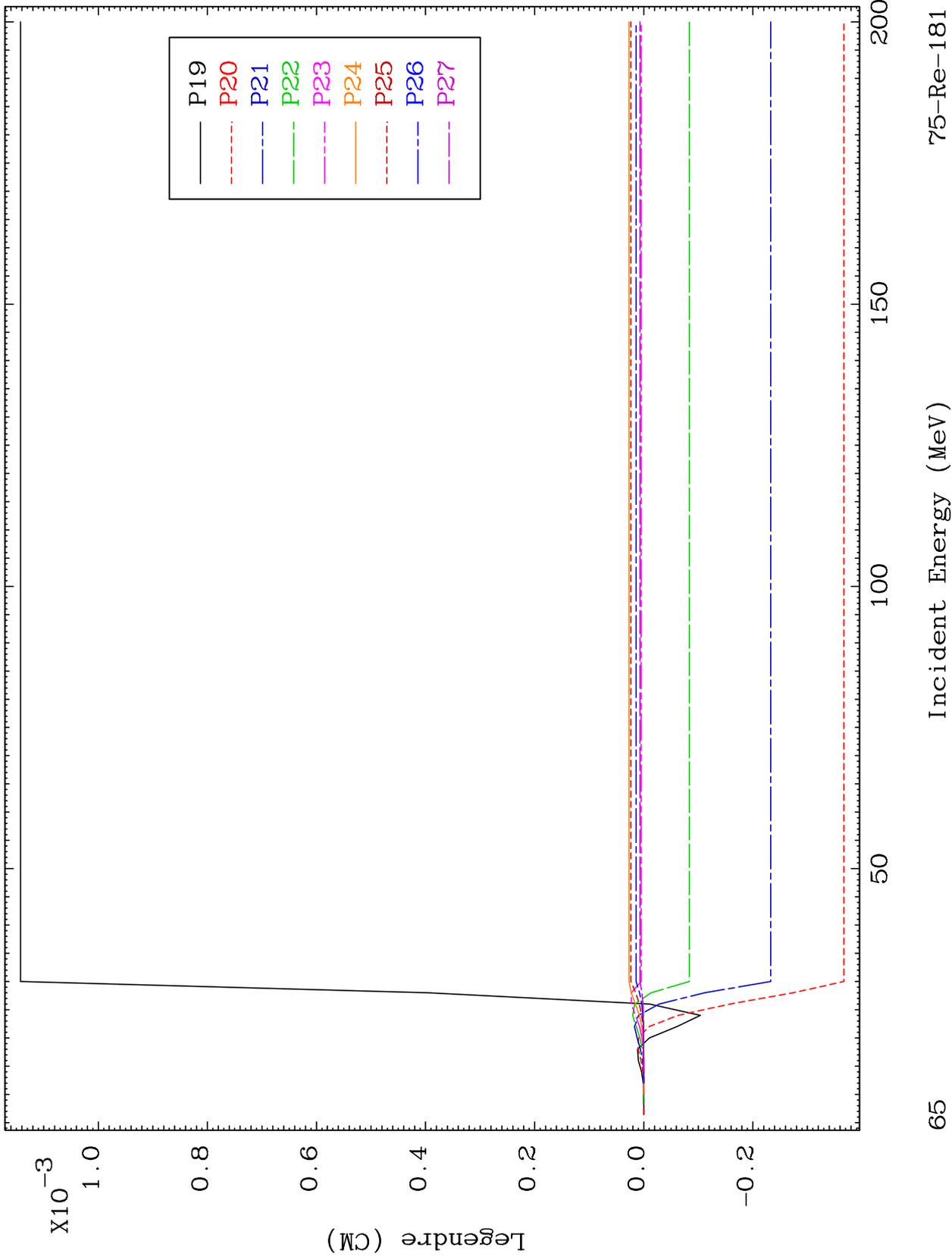
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MAT 7513

MT= 62 (n,n') Level
Legendre Coefficients

75-Re-181



65

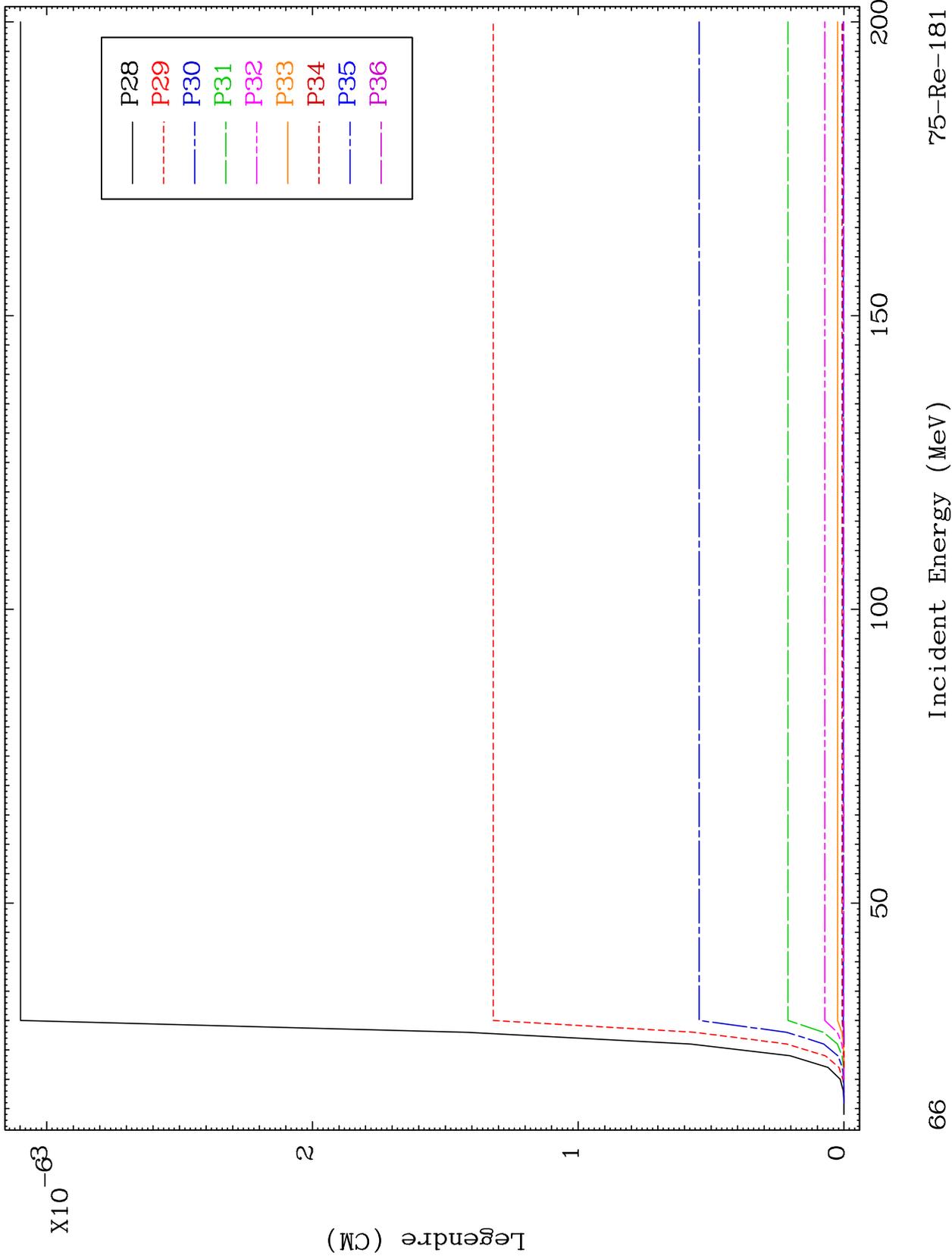
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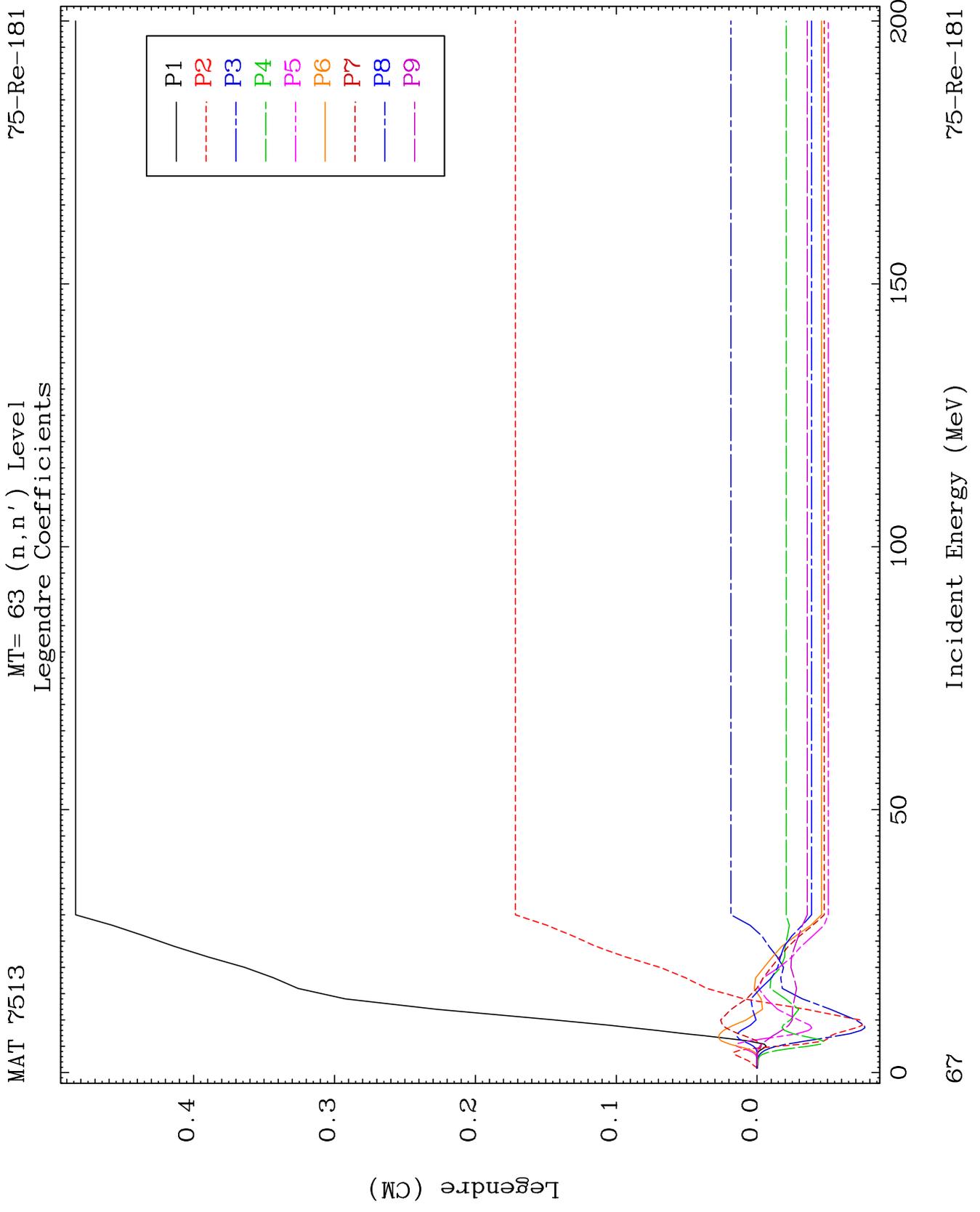
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MAT 7513

MT= 62 (n,n') Level
Legendre Coefficients

75-Re-181

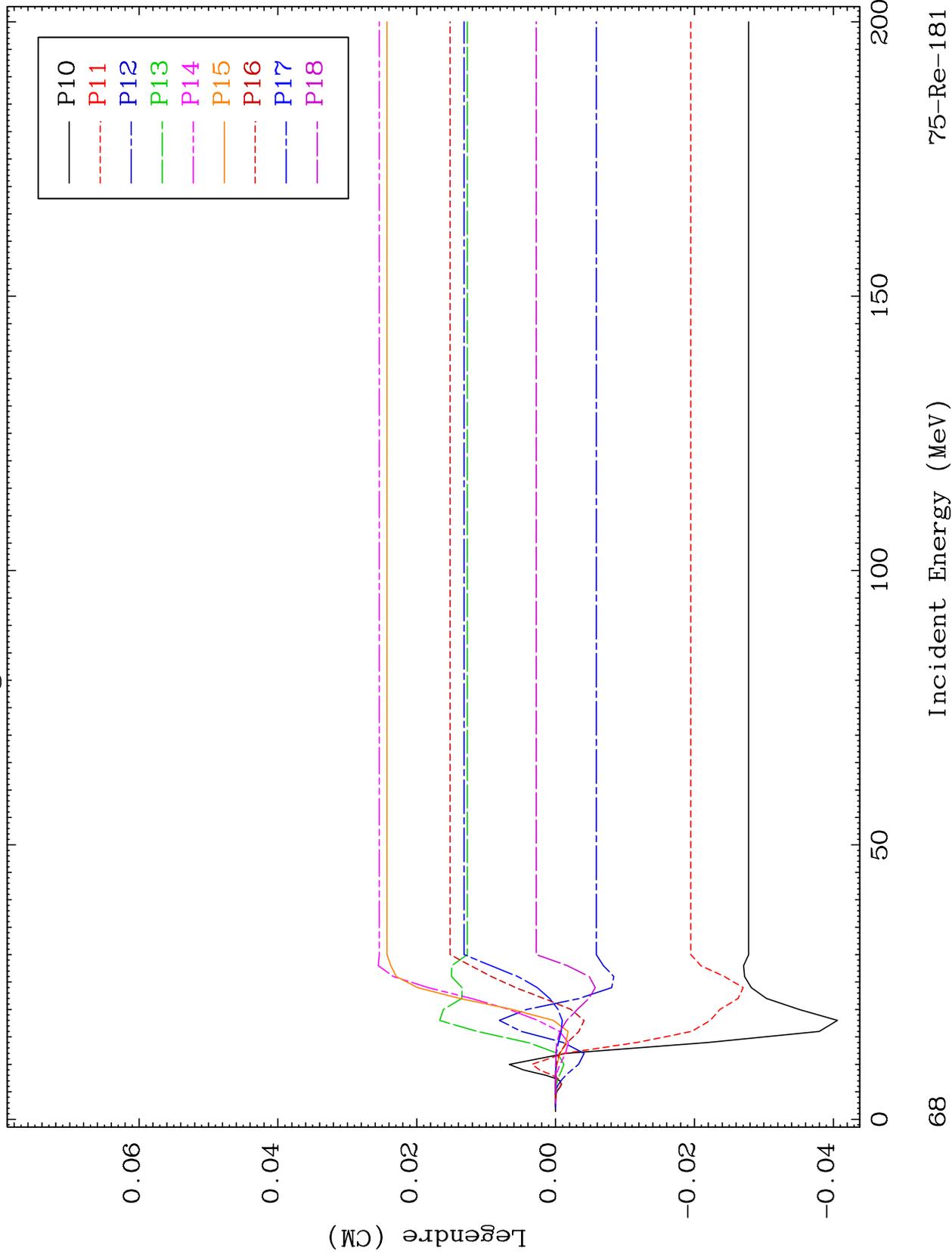




MAT 7513

MT= 63 (n,n') Level
Legendre Coefficients

75-Re-181



75-Re-181

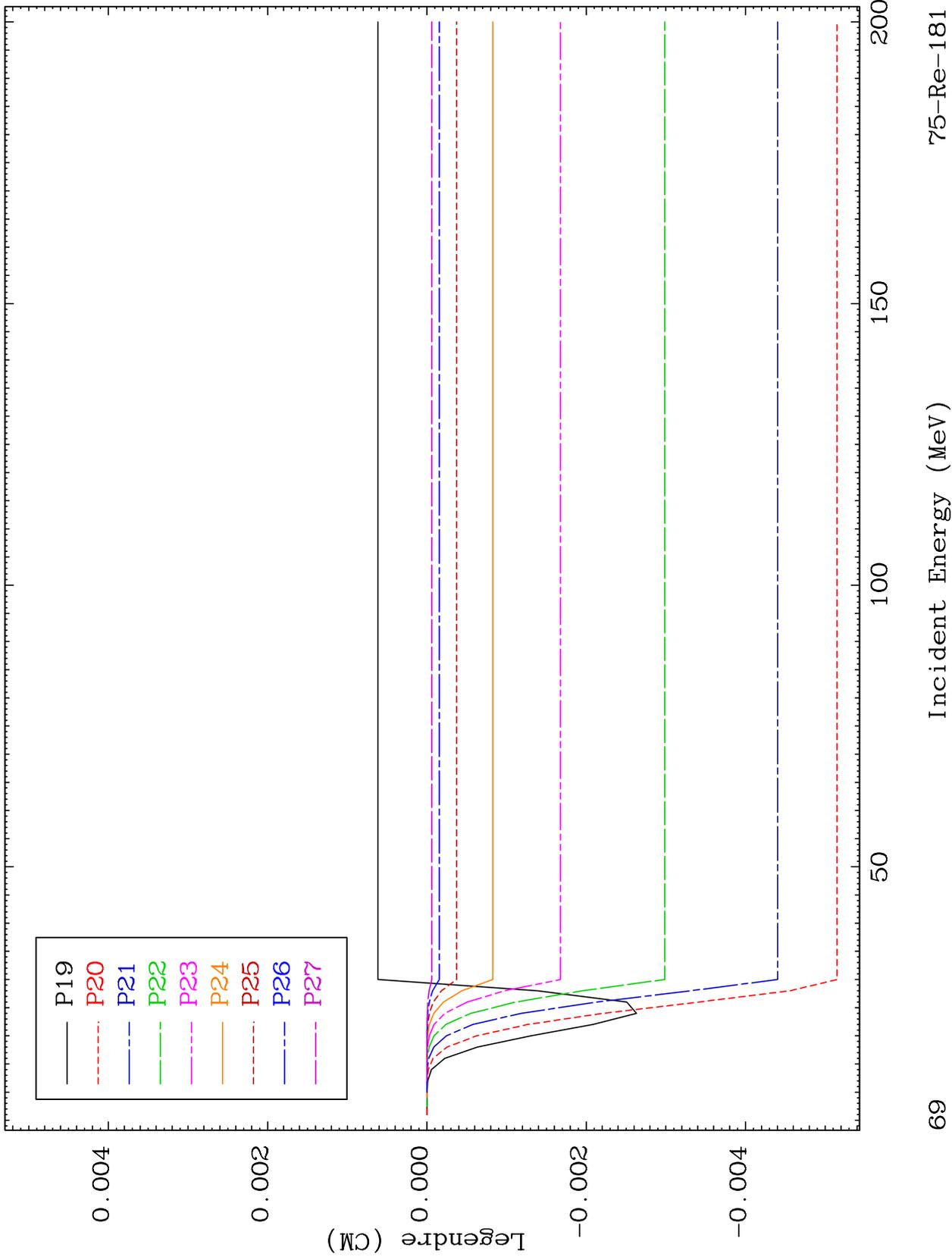
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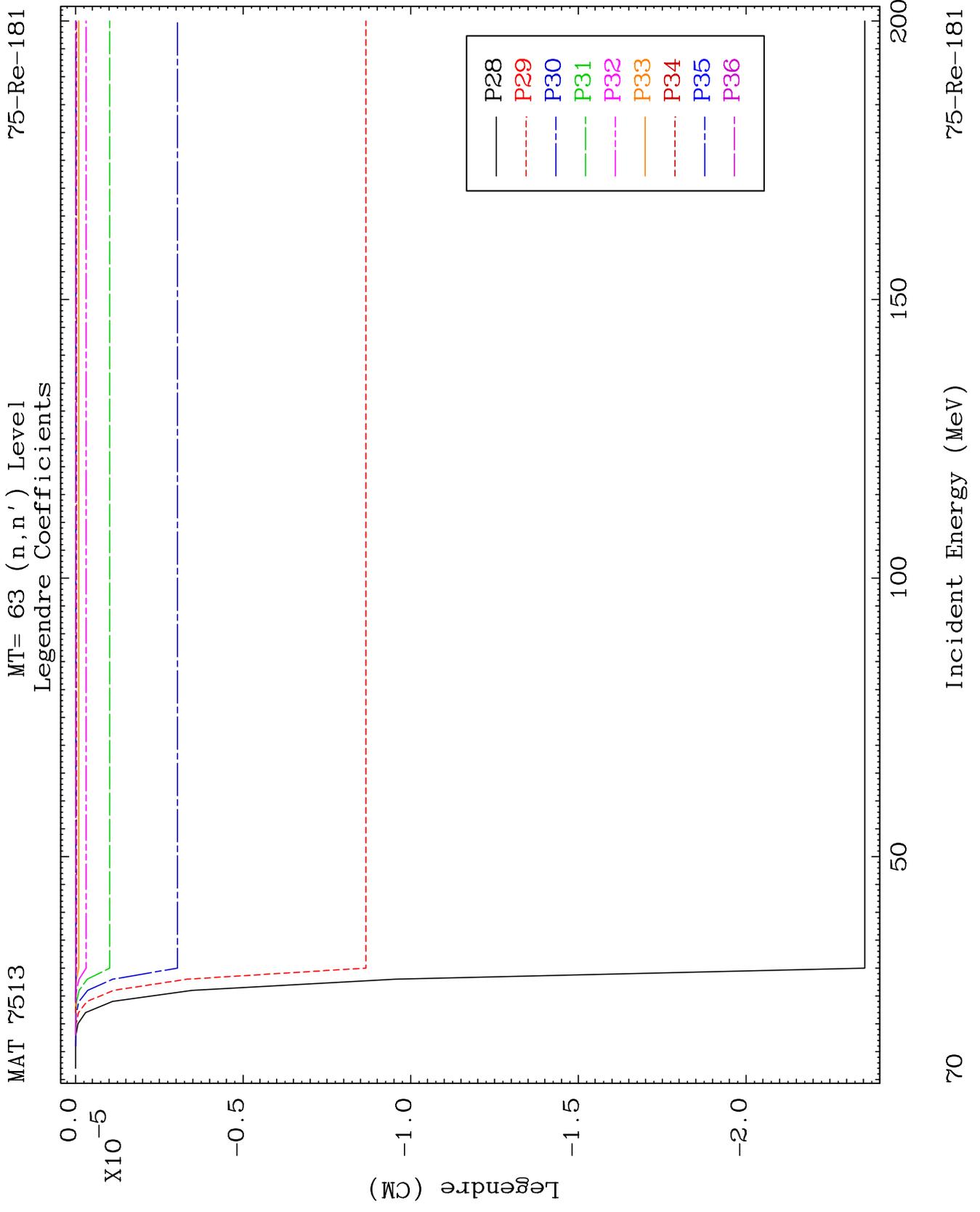
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MAT 7513

MT= 63 (n,n') Level
Legendre Coefficients

75-Re-181



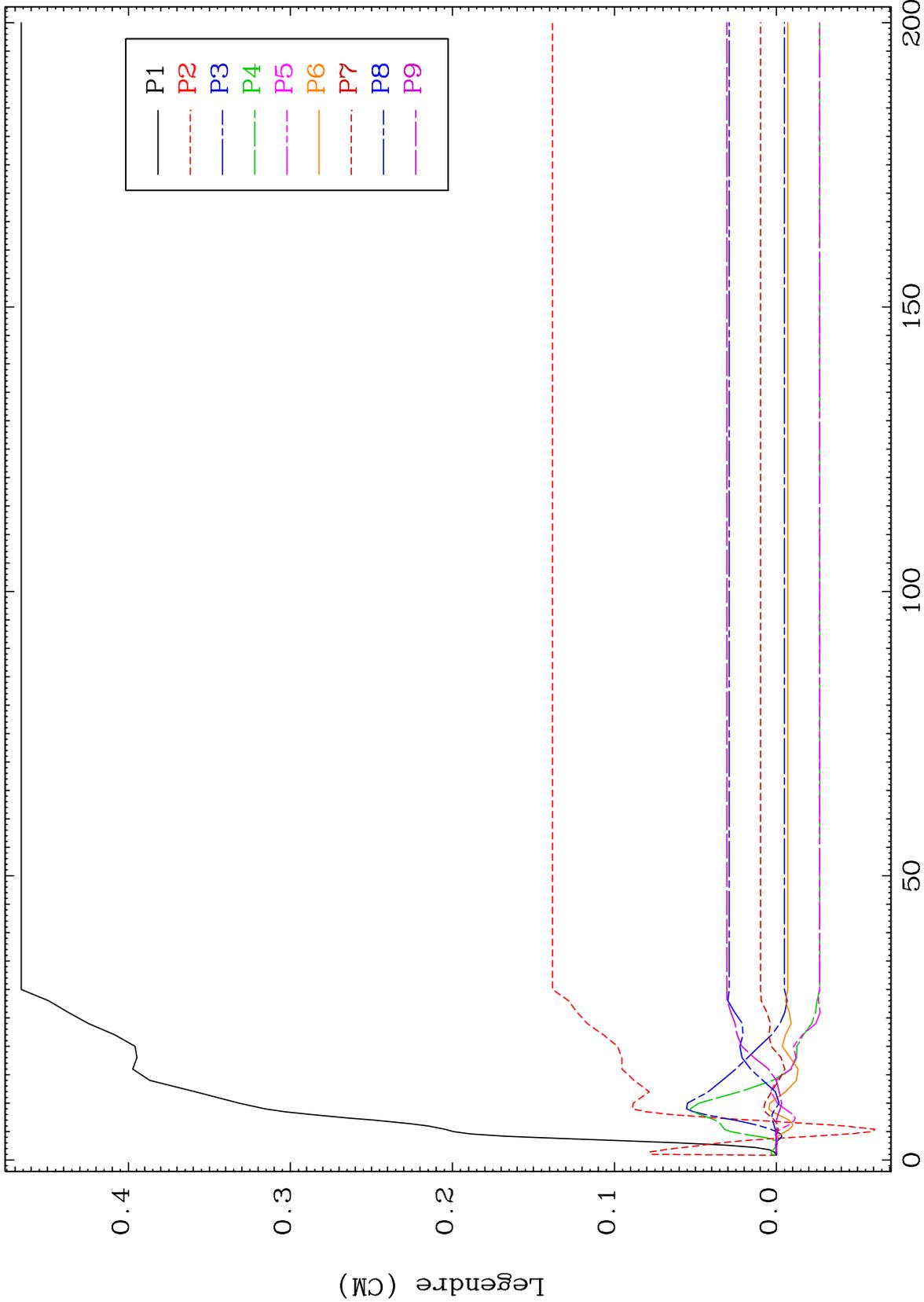


MAT 7513

MT= 64 (n,n') Level

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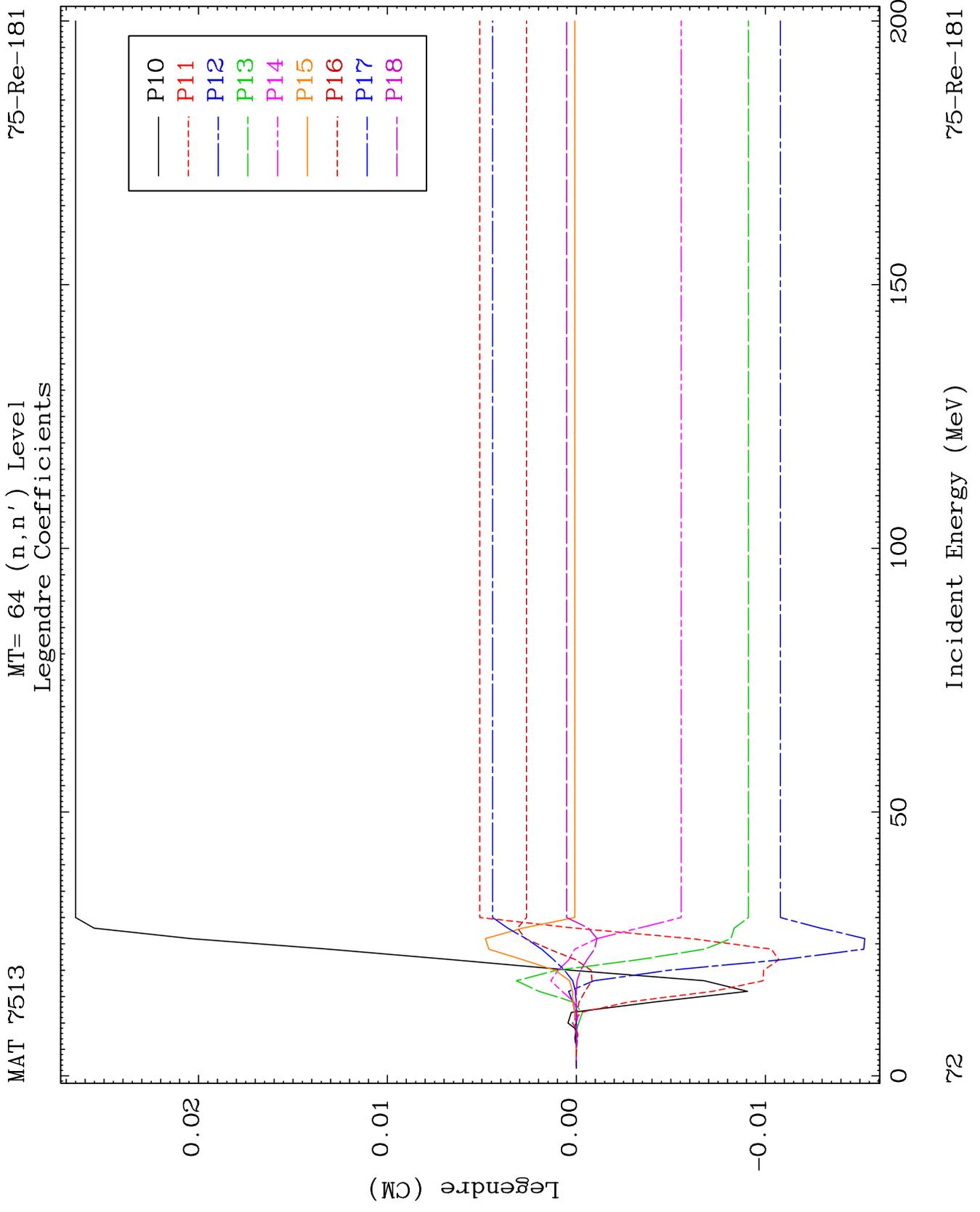
Legendre Coefficients



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Incident Energy (MeV)

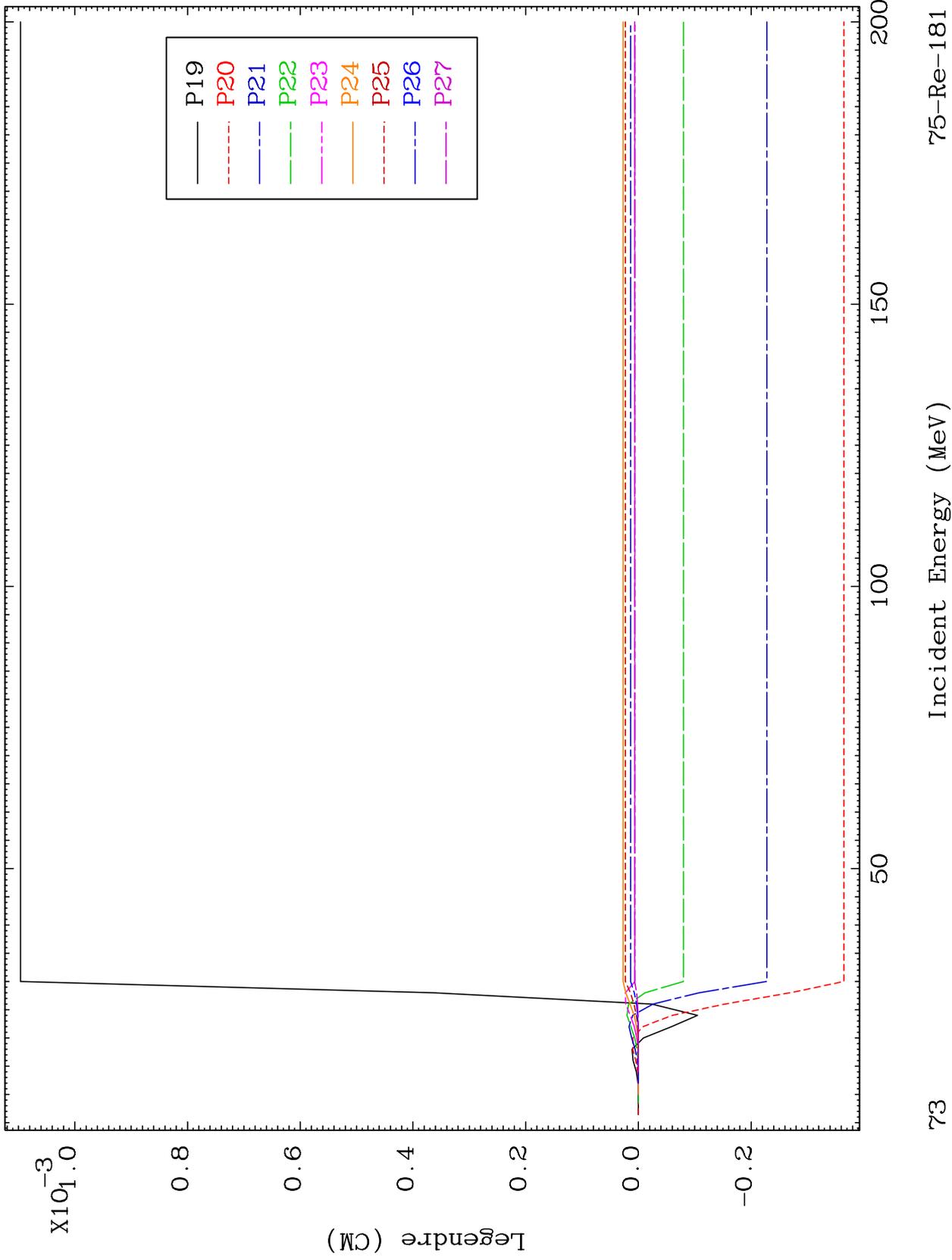
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MAT 7513

MT= 64 (n,n') Level
Legendre Coefficients

75-Re-181



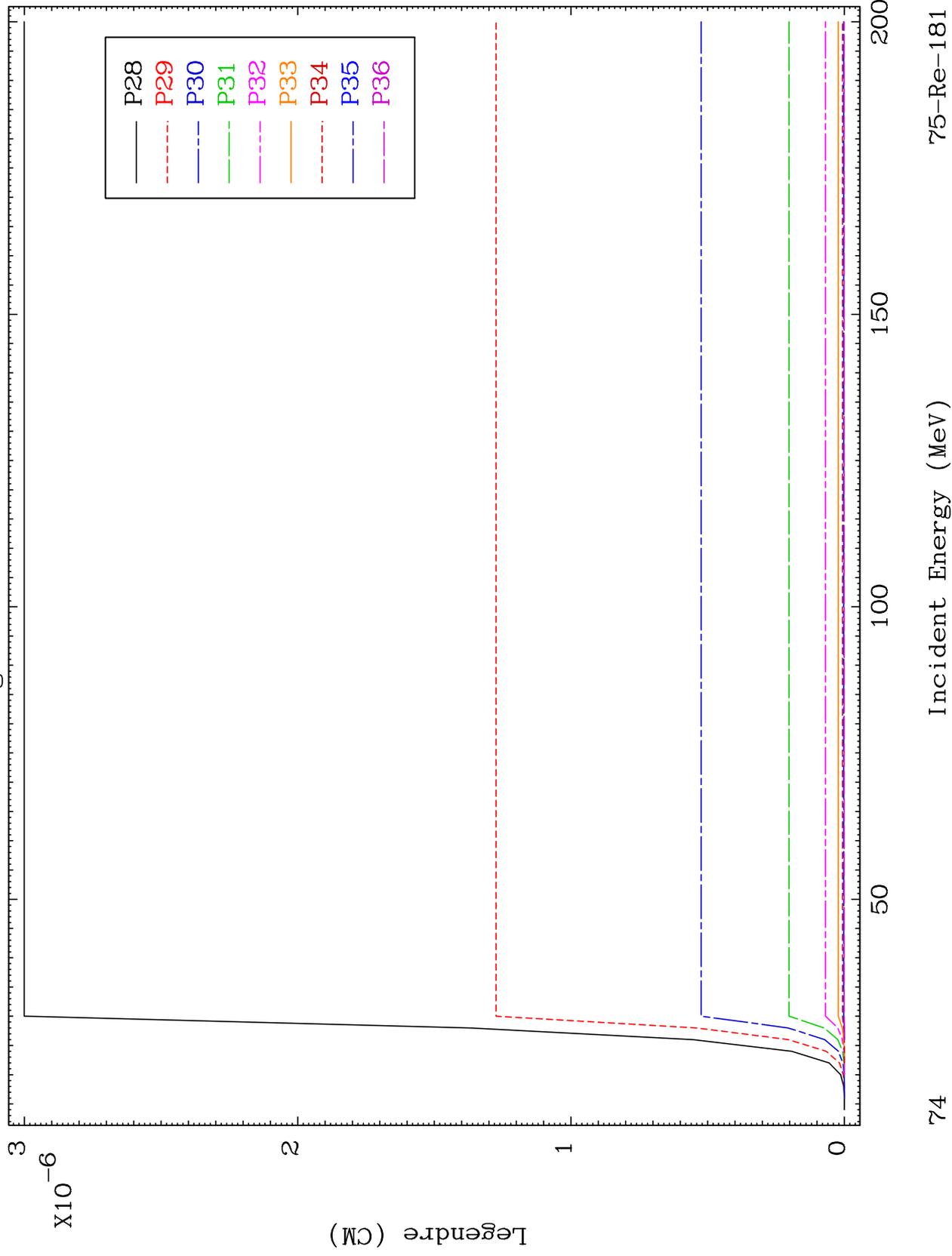
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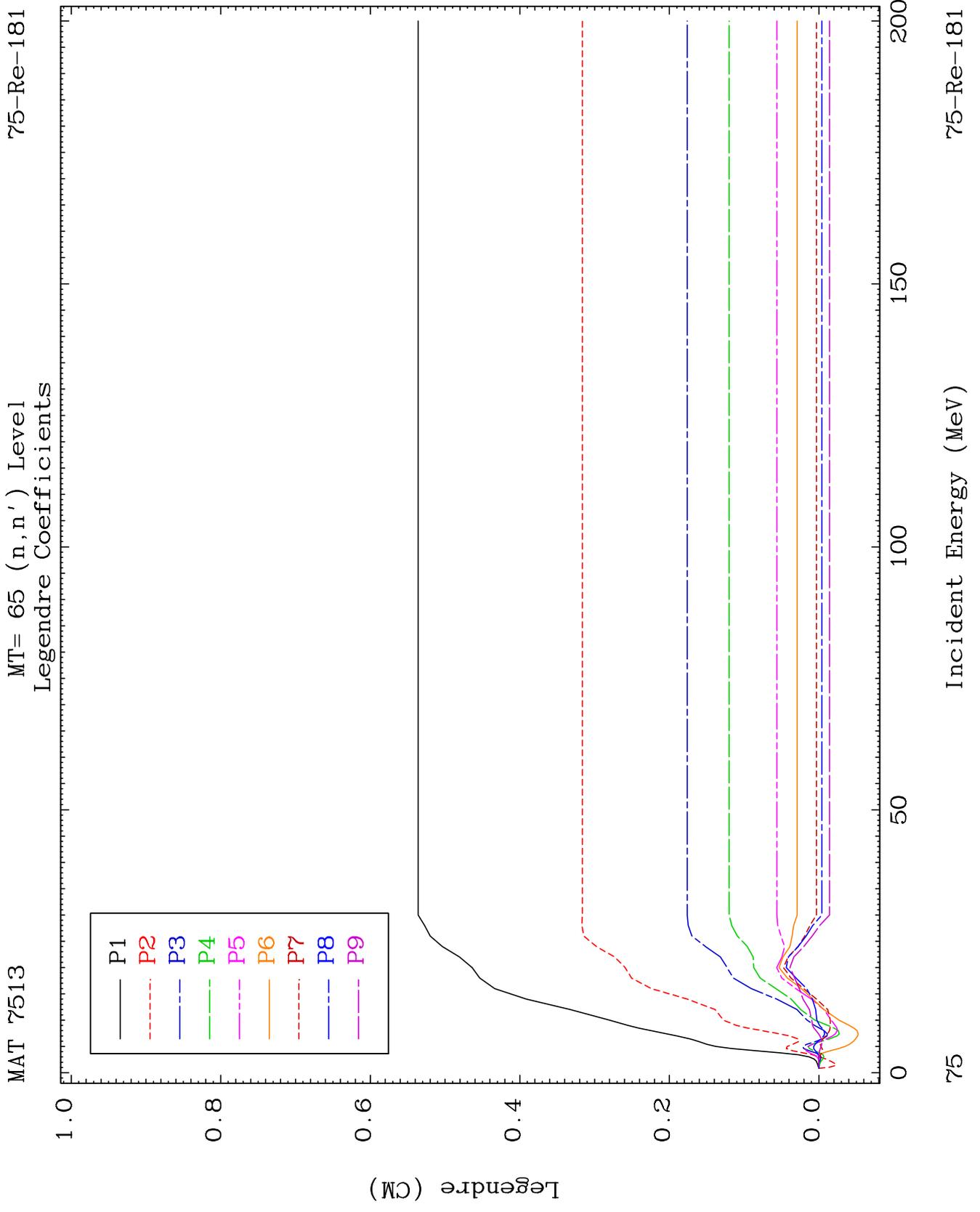
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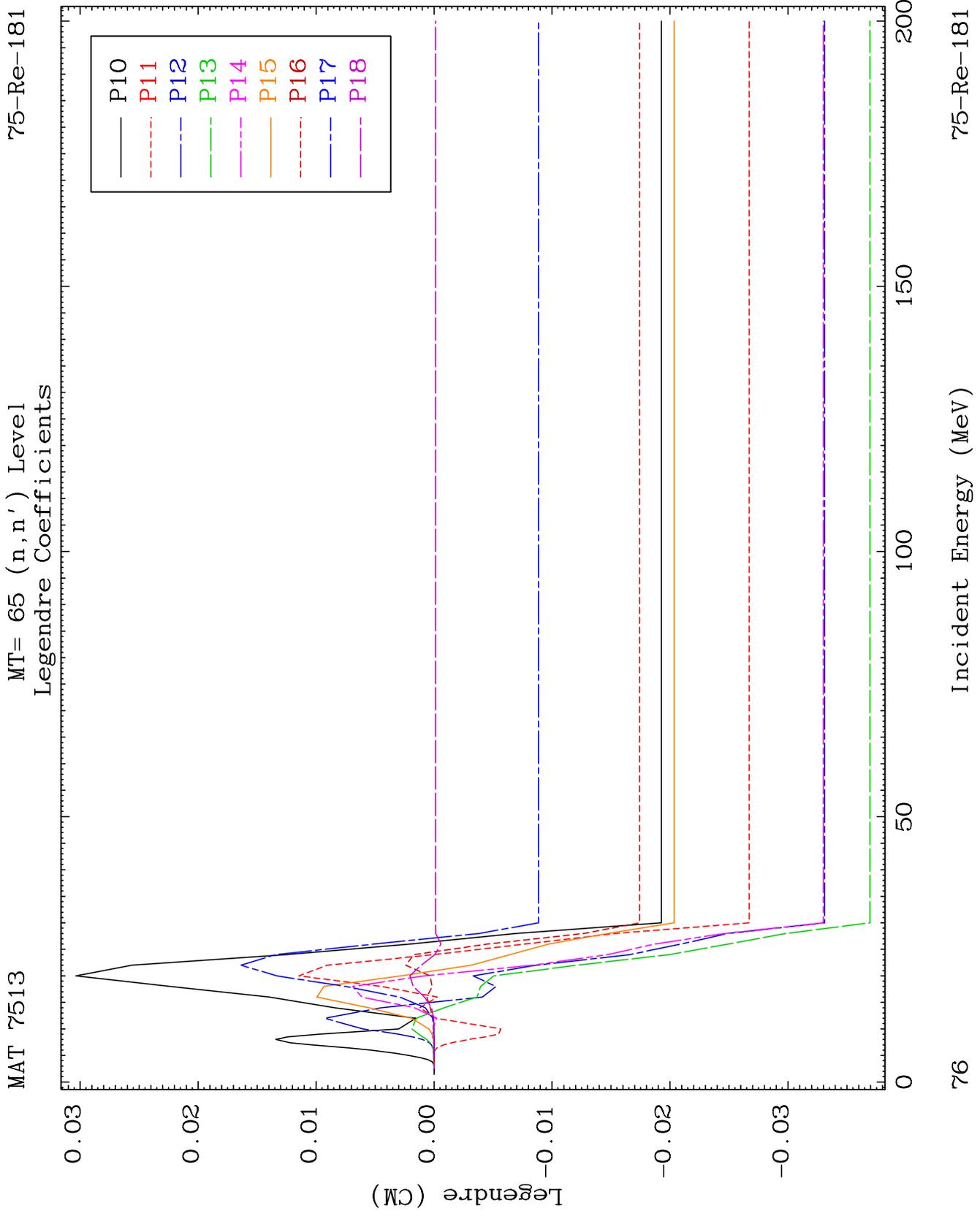
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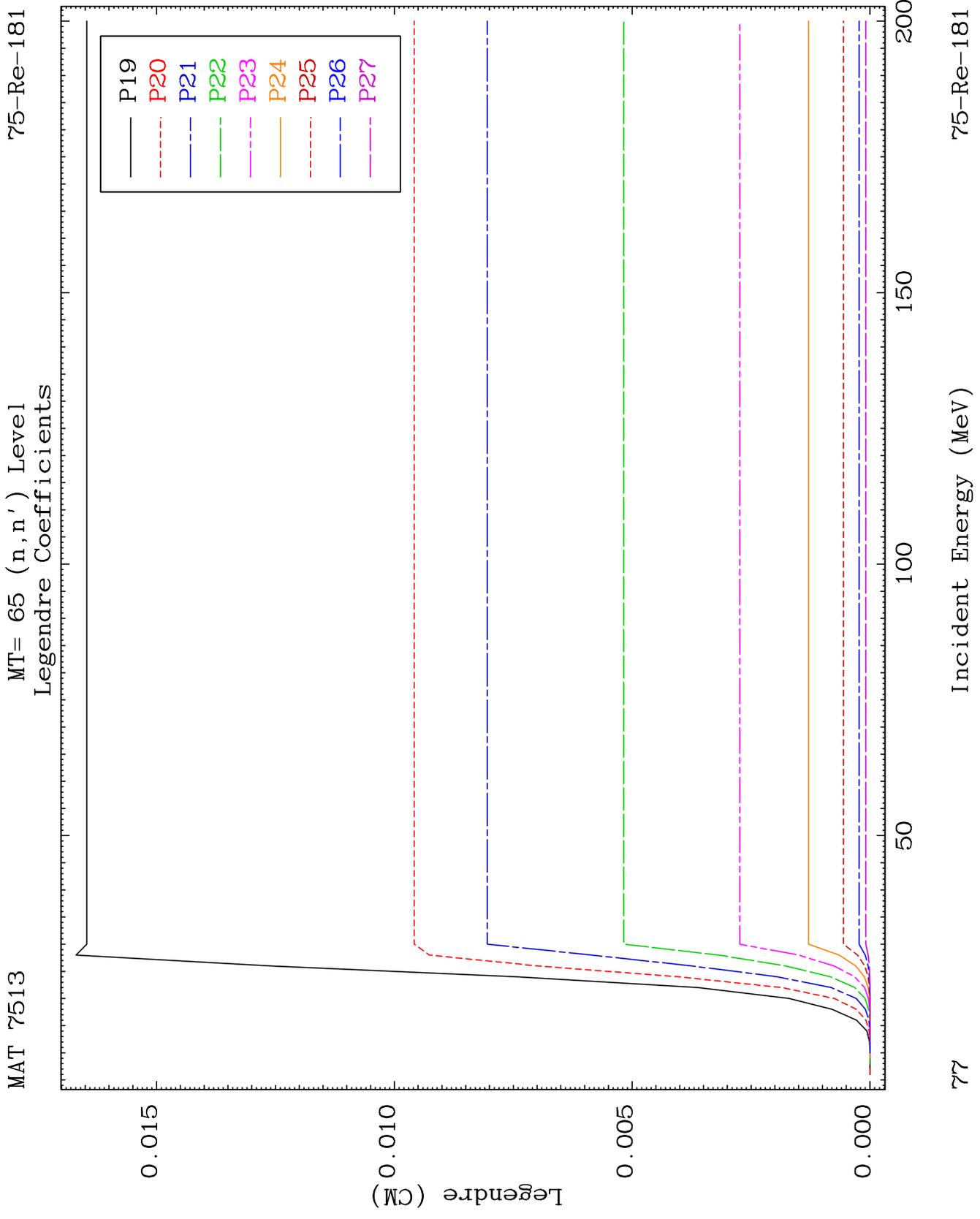
MT= 64 (n,n') Level
Legendre Coefficients

75-Re-181





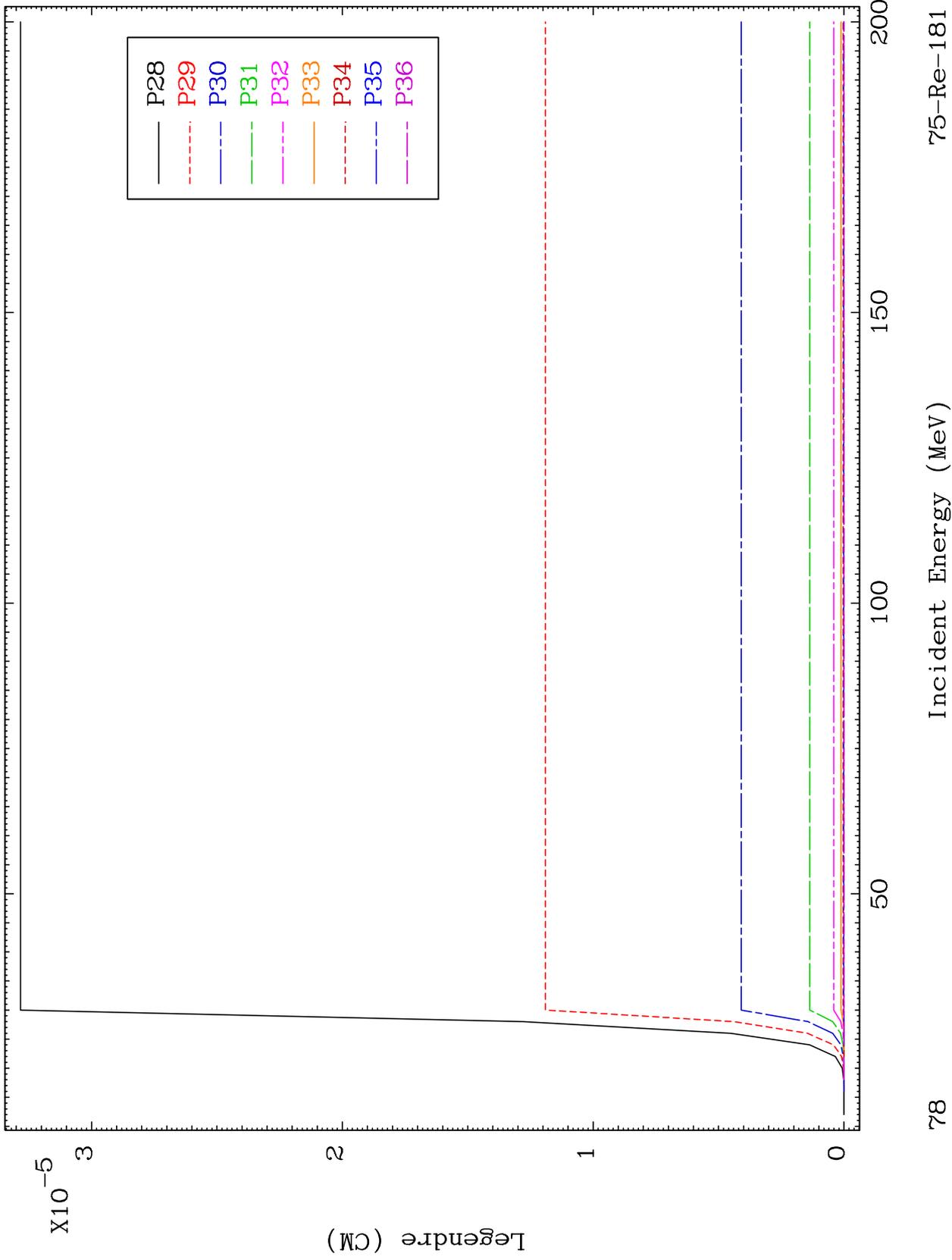




MAT 7513

MT= 65 (n,n') Level
Legendre Coefficients

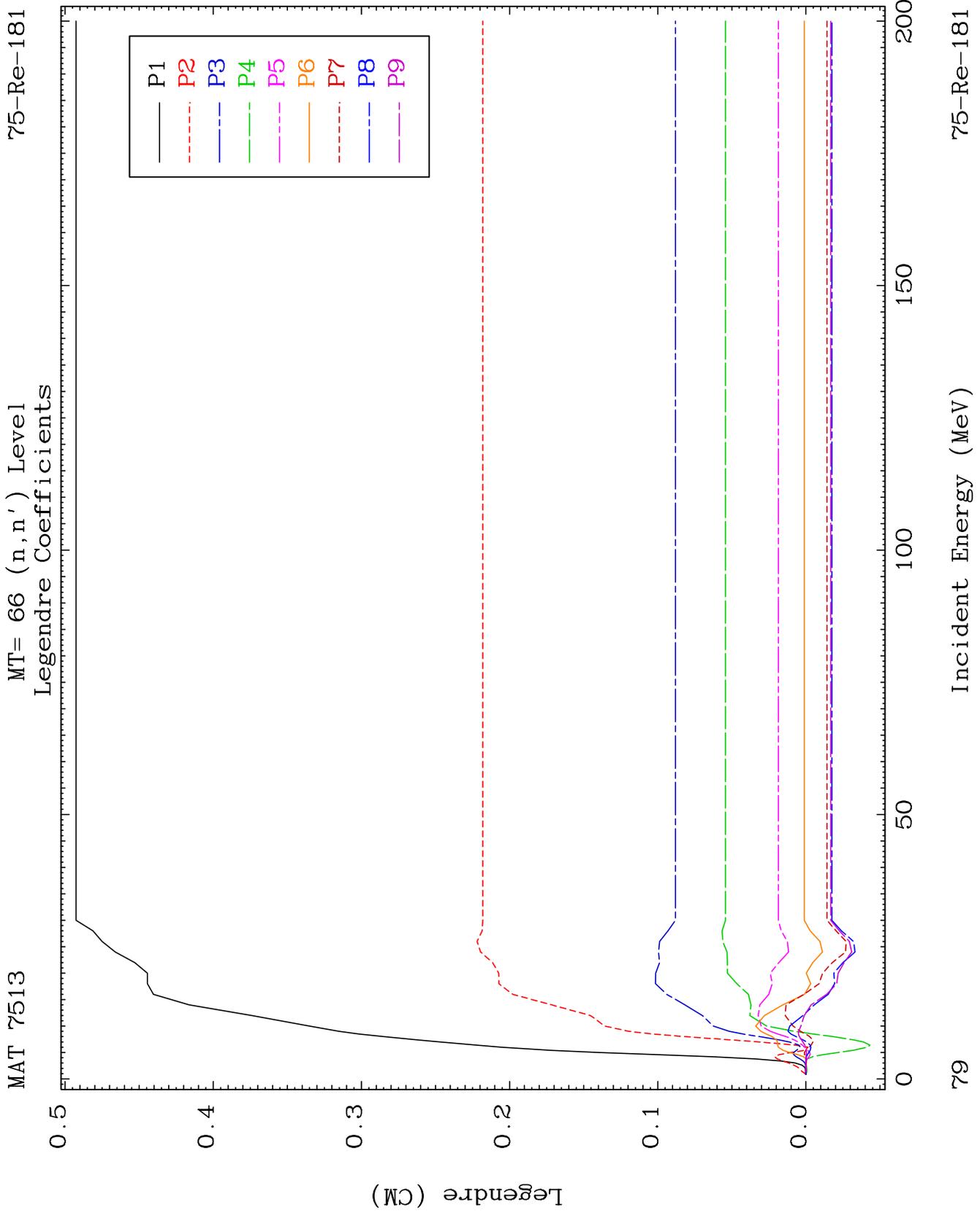
75-Re-181

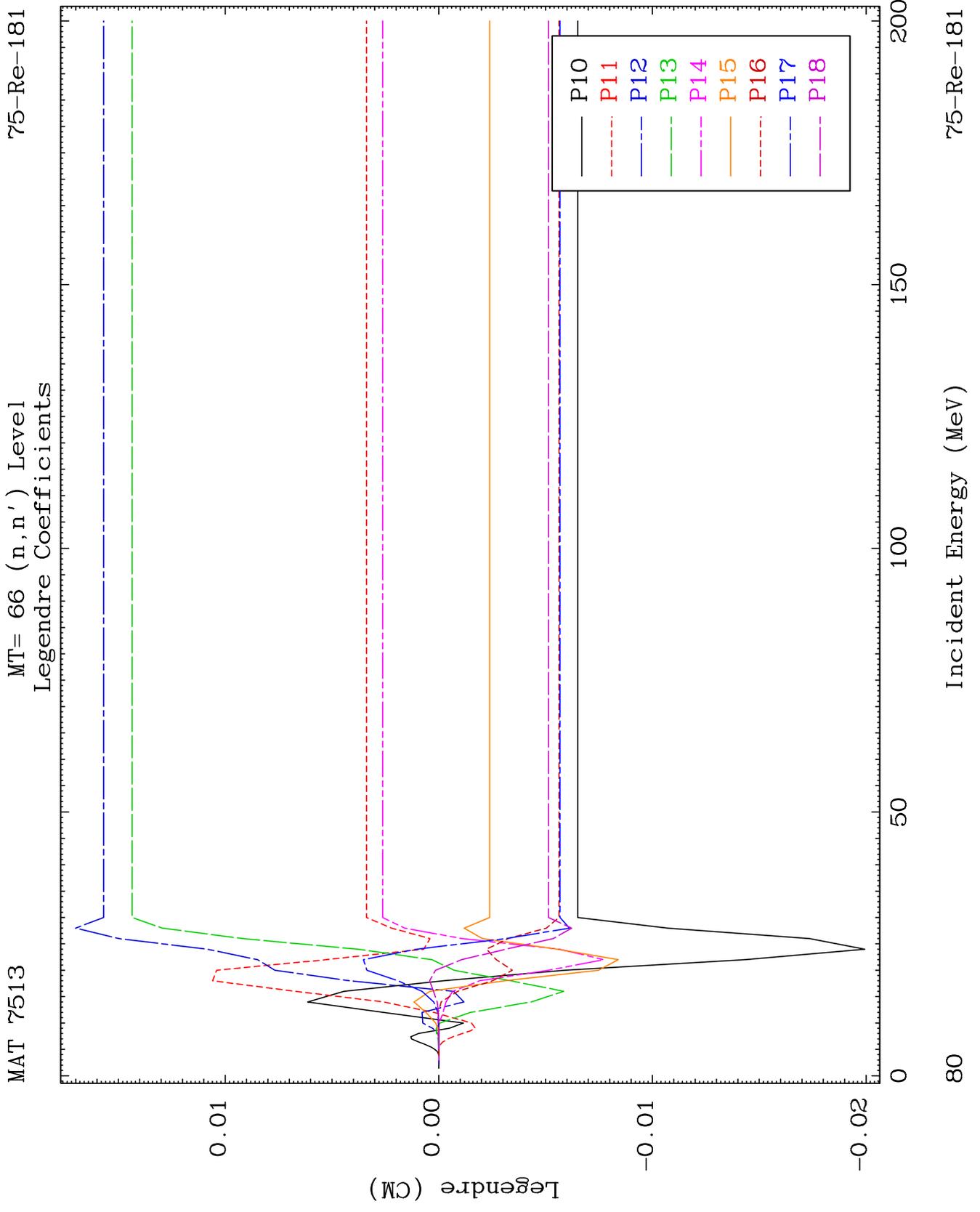


78

Incident Energy (MeV)

75-Re-181

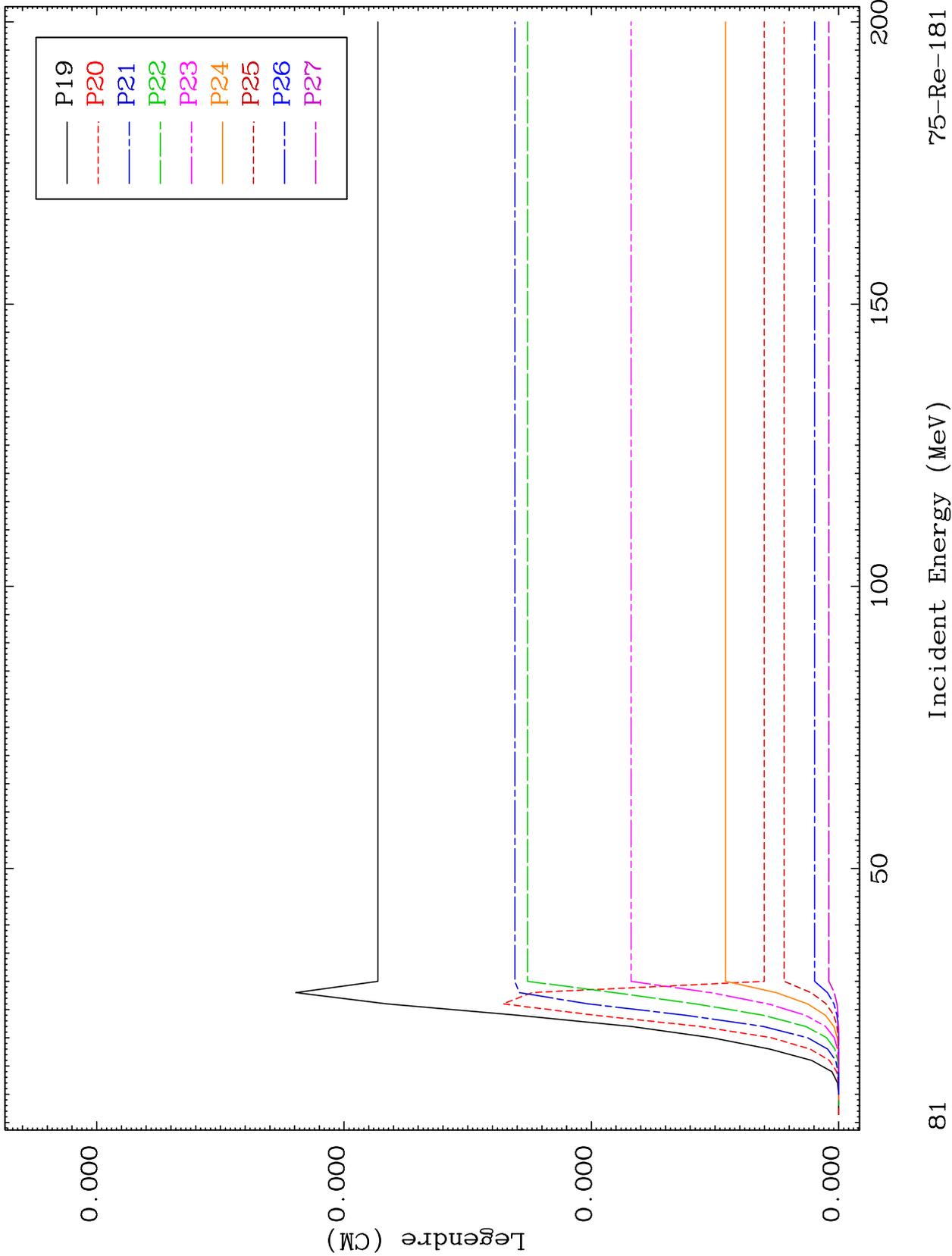




MAT 7513

MT= 66 (n,n') Level
Legendre Coefficients

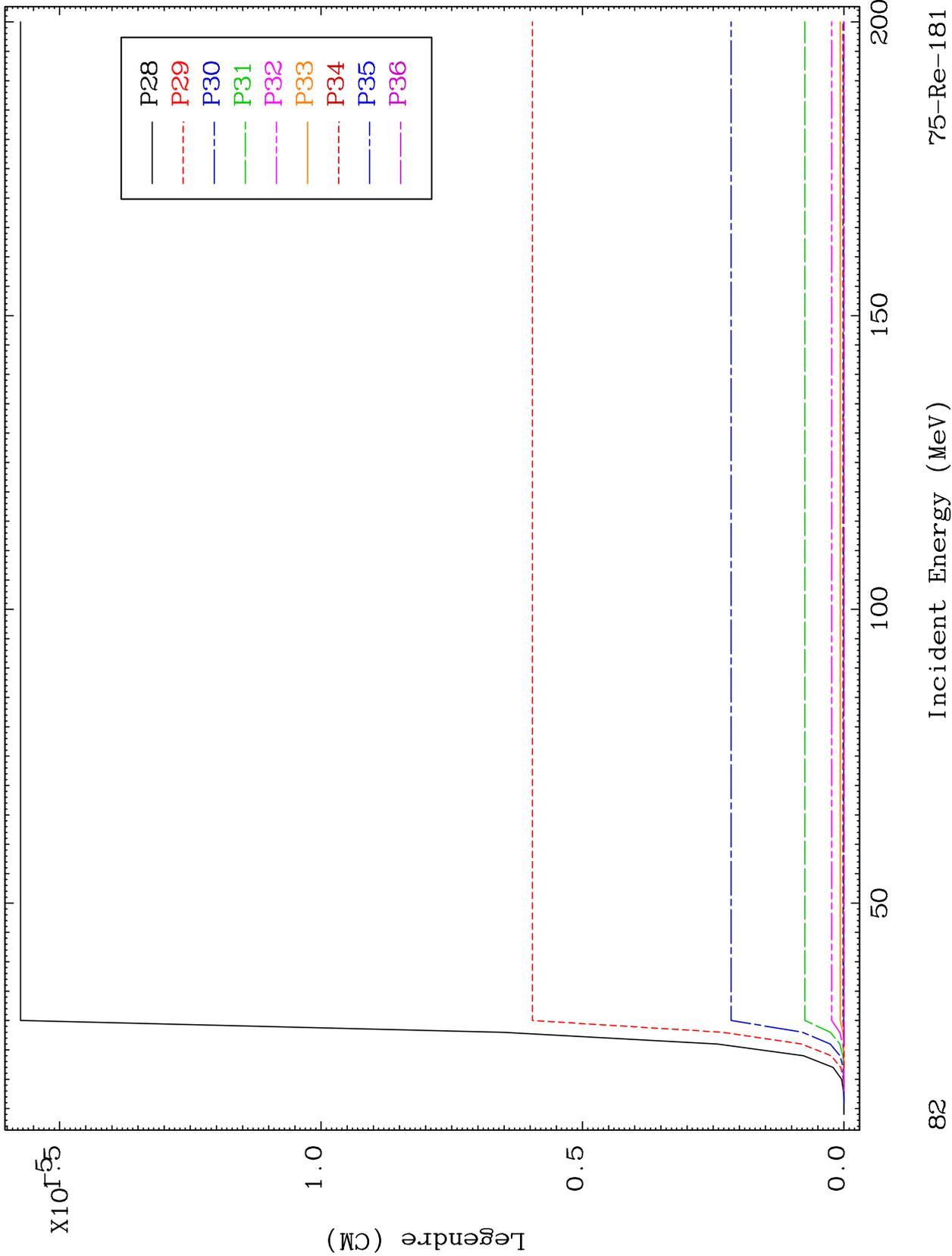
75-Re-181



MAT 7513

MT= 66 (n,n') Level
Legendre Coefficients

75-Re-181



82

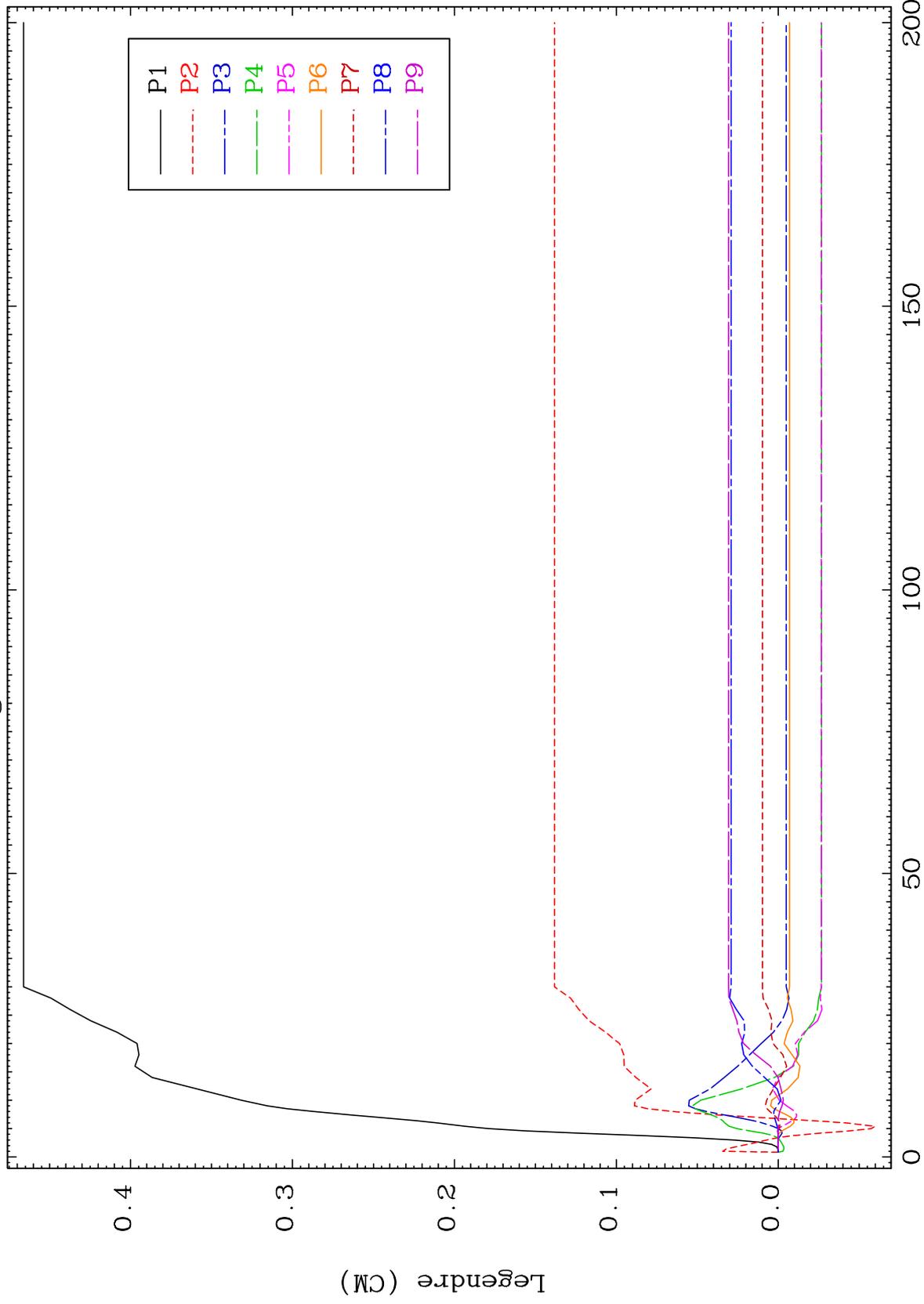
Incident Energy (MeV)

75-Re-181

MAT 7513

MT= 67 (n,n') Level
Legendre Coefficients

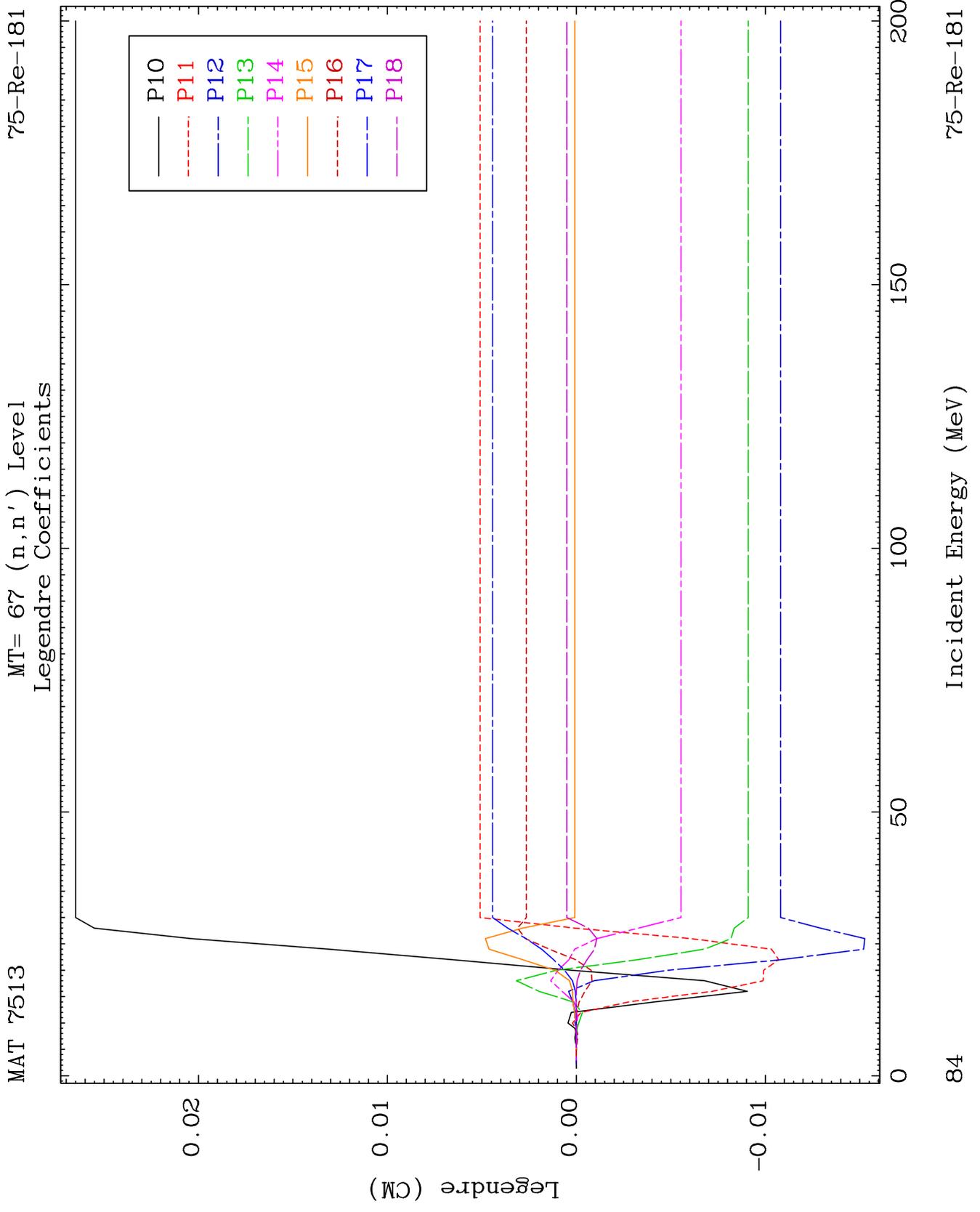
75-Re-181



83

Incident Energy (MeV)

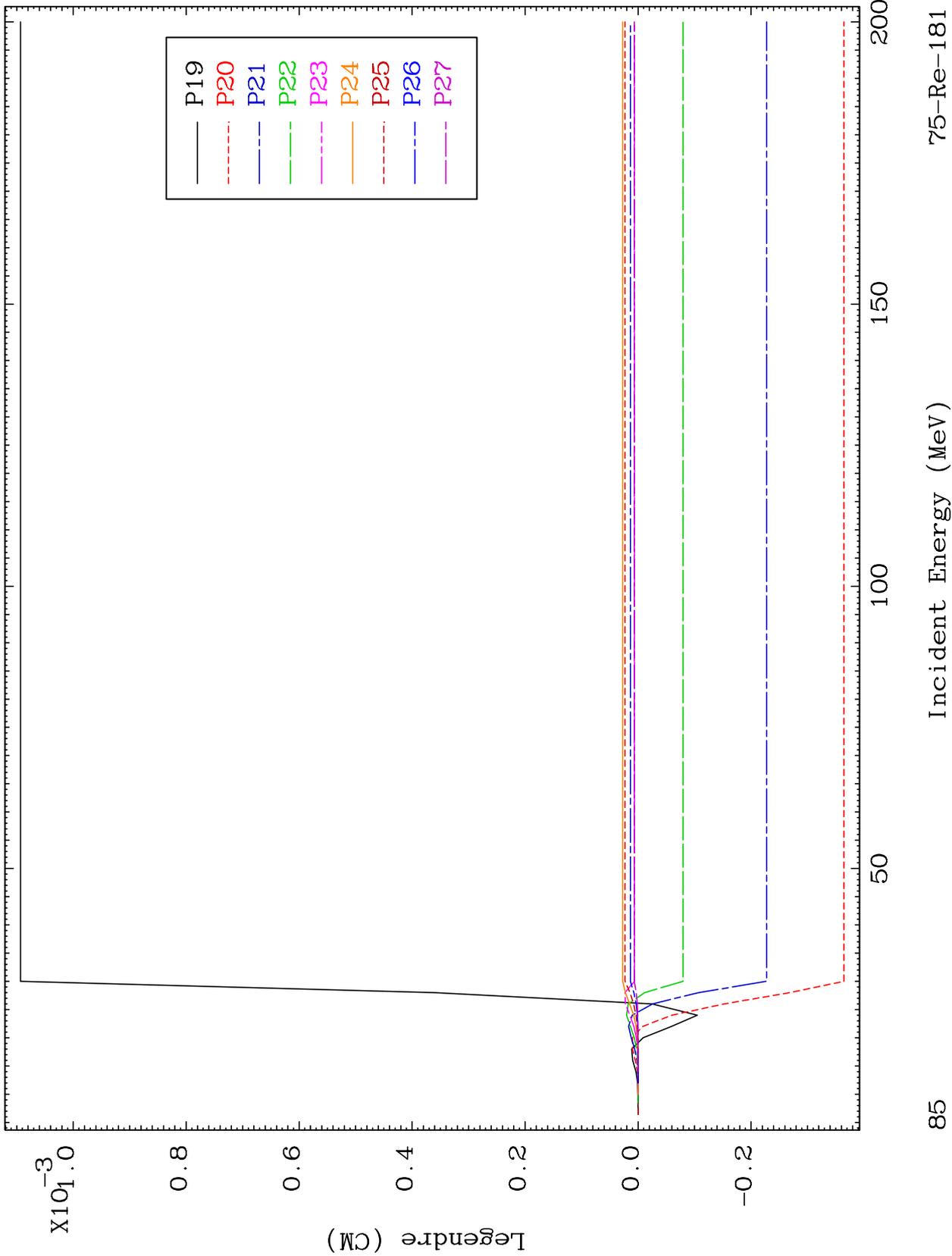
75-Re-181



MAT 7513

MT= 67 (n,n') Level
Legendre Coefficients

75-Re-181



85

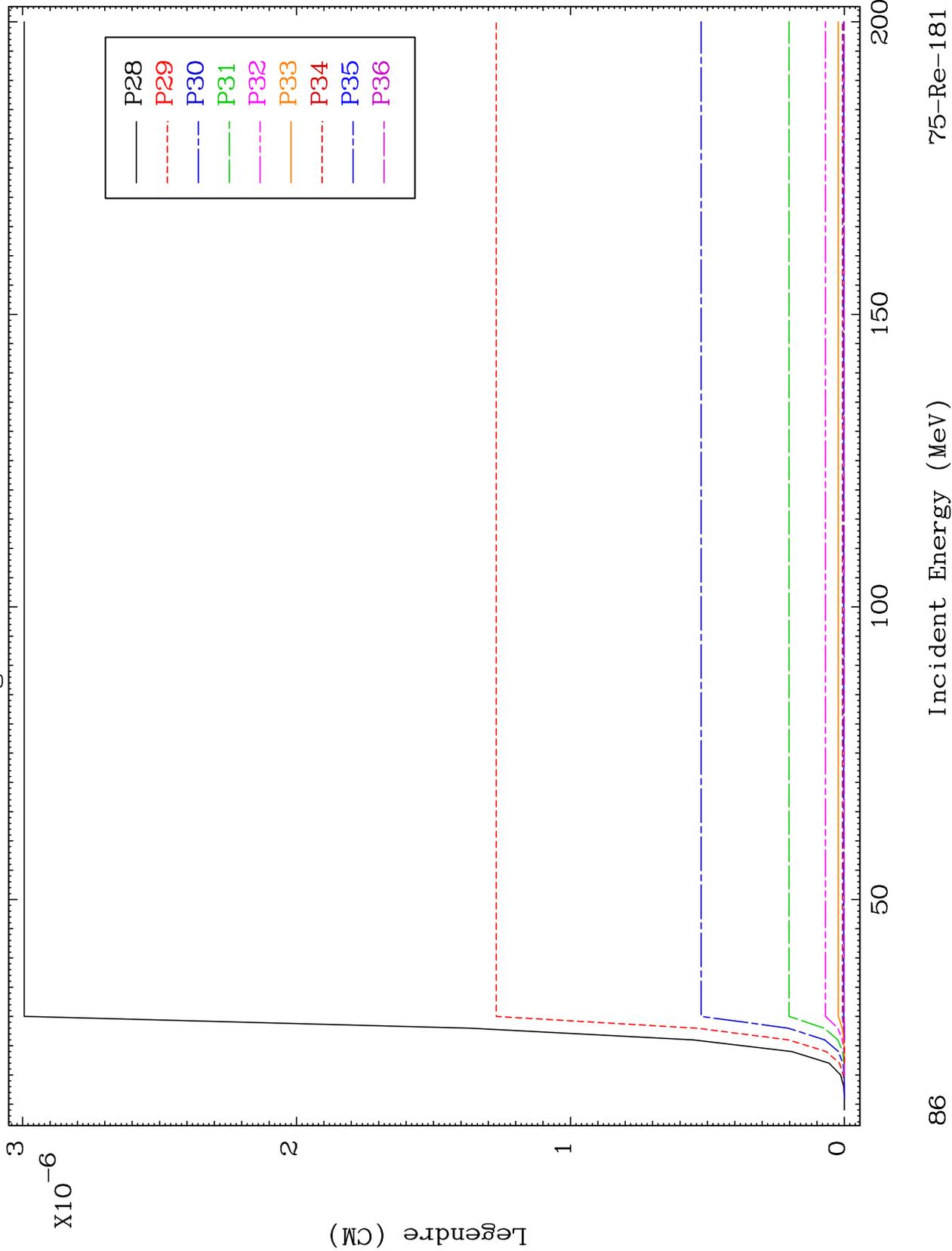
Incident Energy (MeV)

75-Re-181

MAT 7513

MT= 67 (n,n') Level
Legendre Coefficients

75-Re-181



86

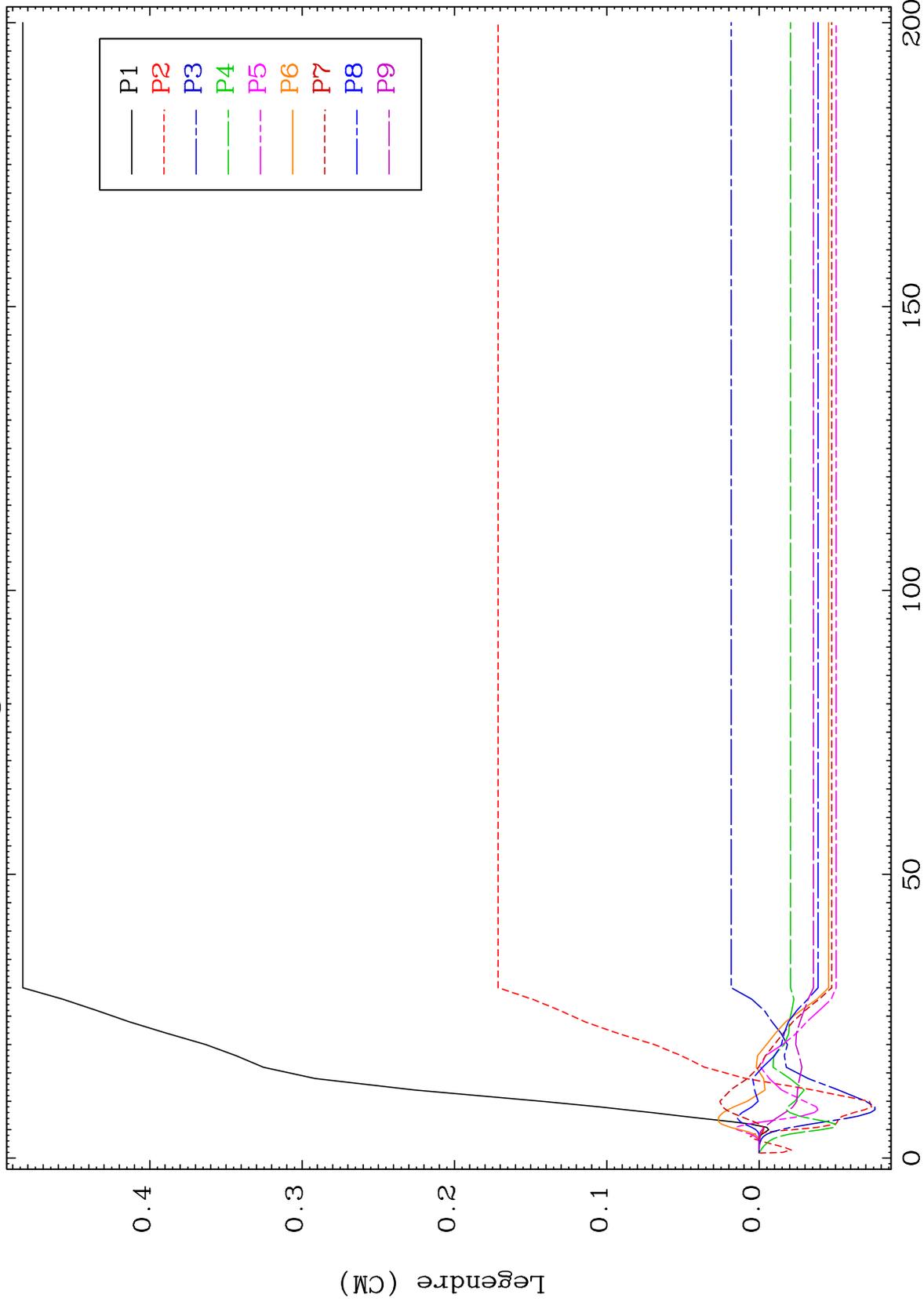
Incident Energy (MeV)

75-Re-181

MAT 7513

MT= 68 (n,n') Level
Legendre Coefficients

75-Re-181



87

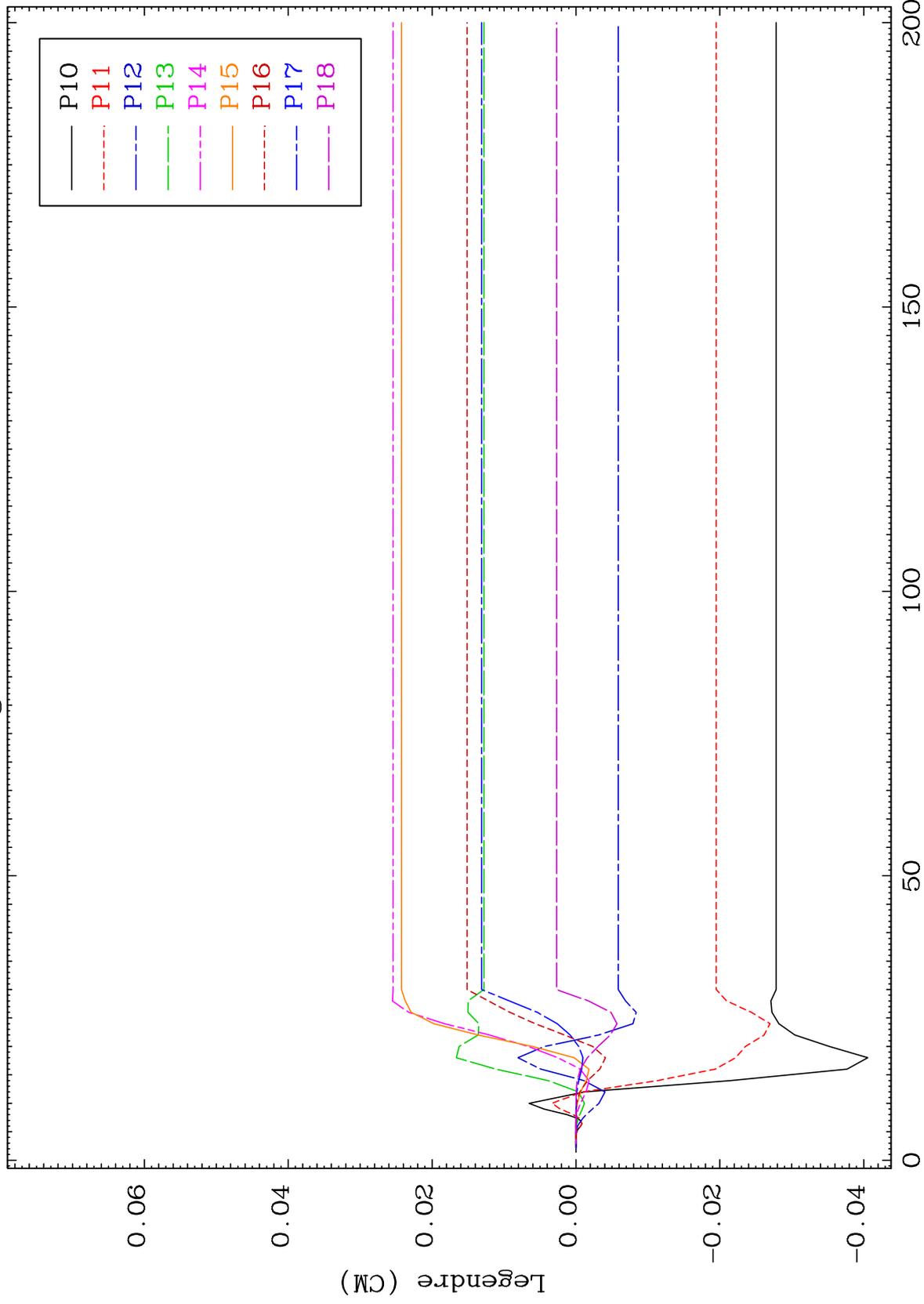
Incident Energy (MeV)

75-Re-181

MAT 7513

MT= 68 (n,n') Level
Legendre Coefficients

75-Re-181



88

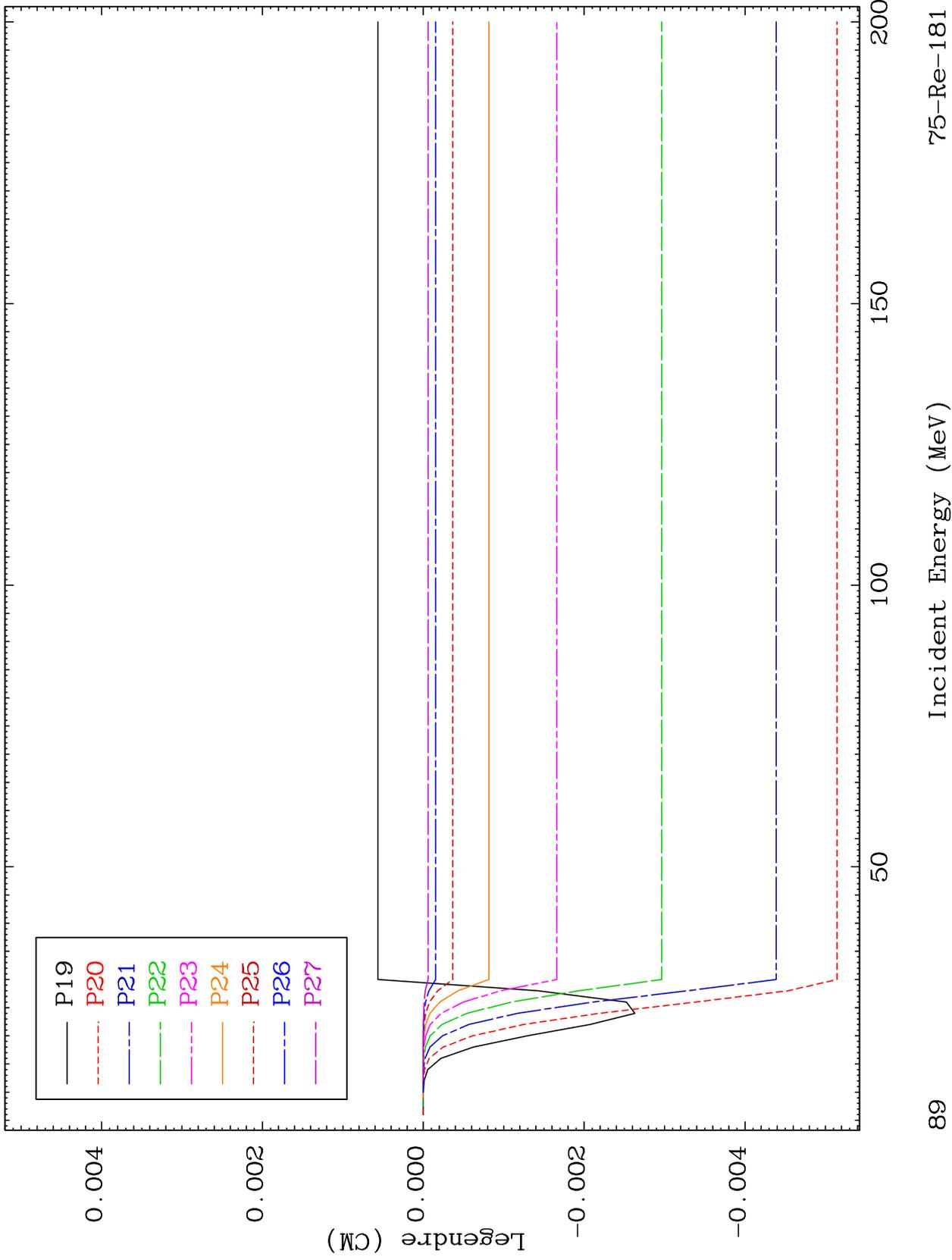
Incident Energy (MeV)

75-Re-181

MAT 7513

MT= 68 (n,n') Level
Legendre Coefficients

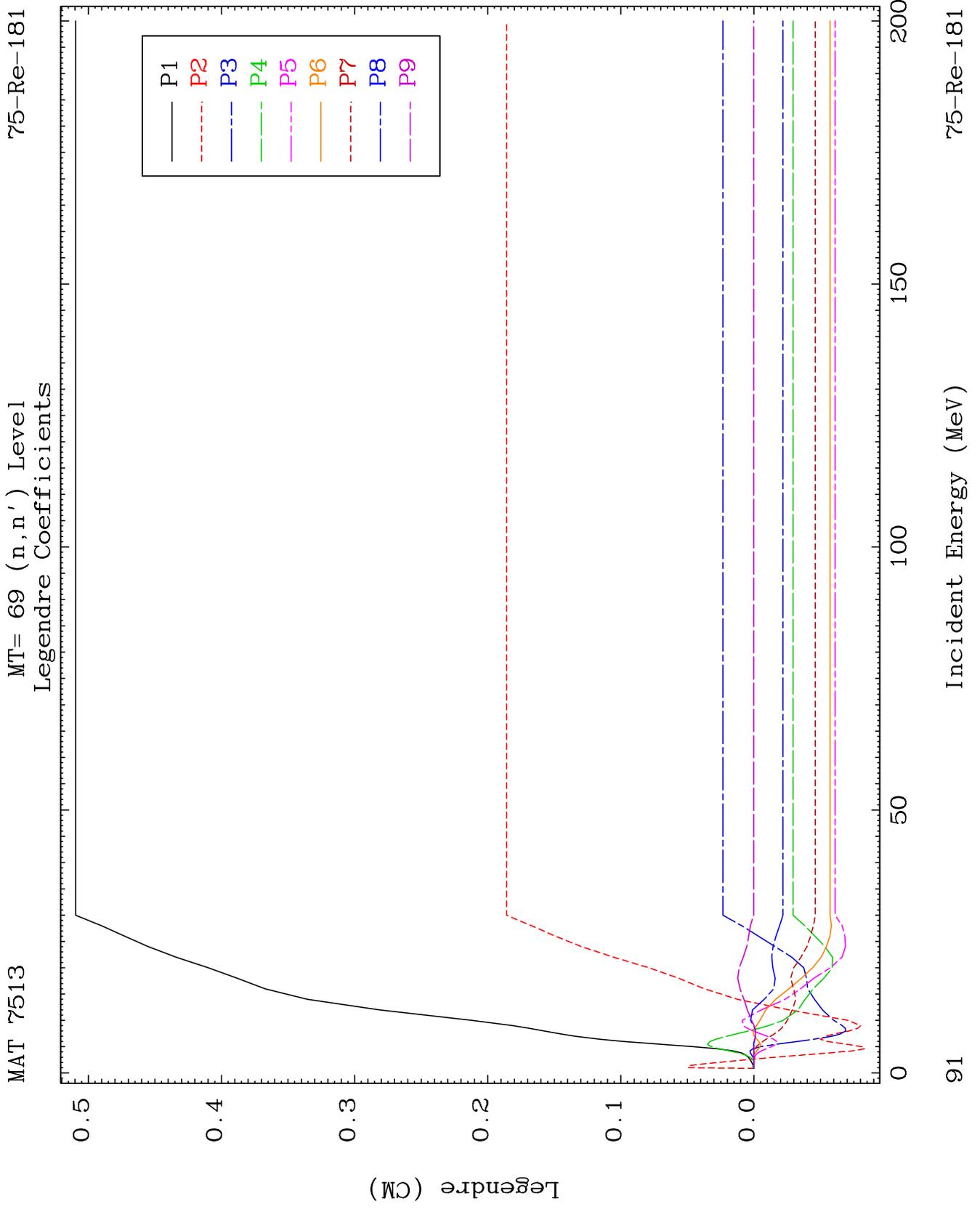
75-Re-181



89

Incident Energy (MeV)

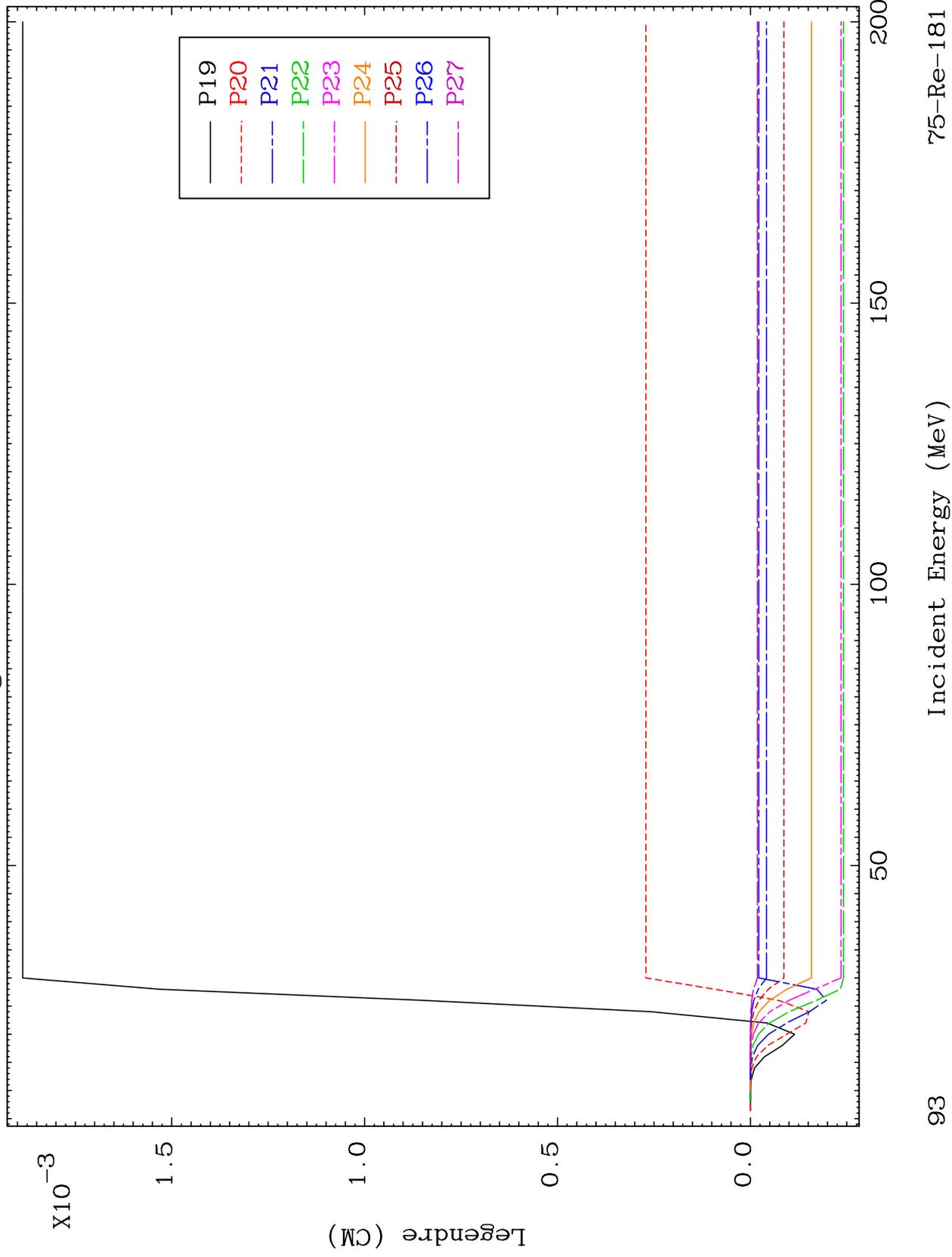
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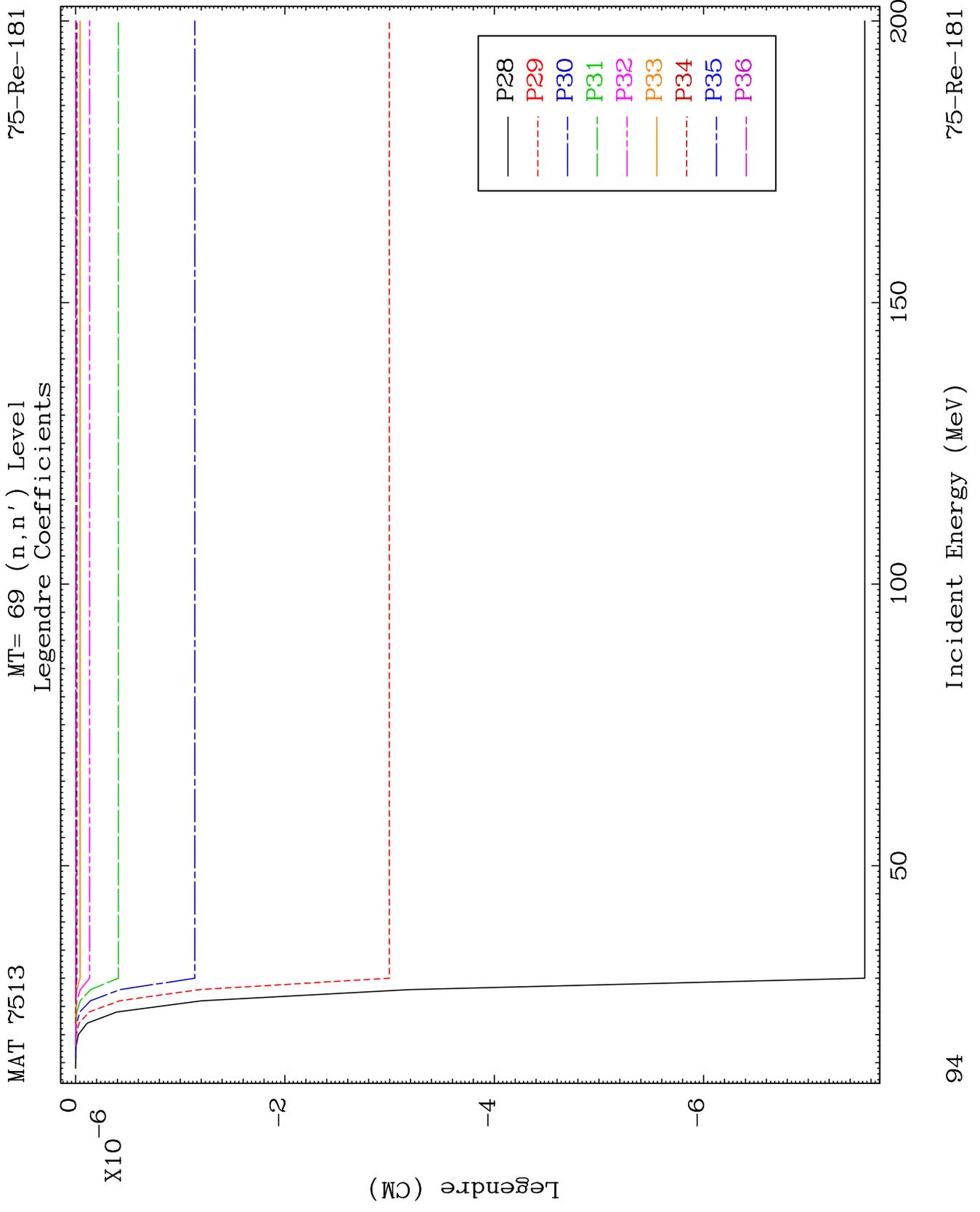


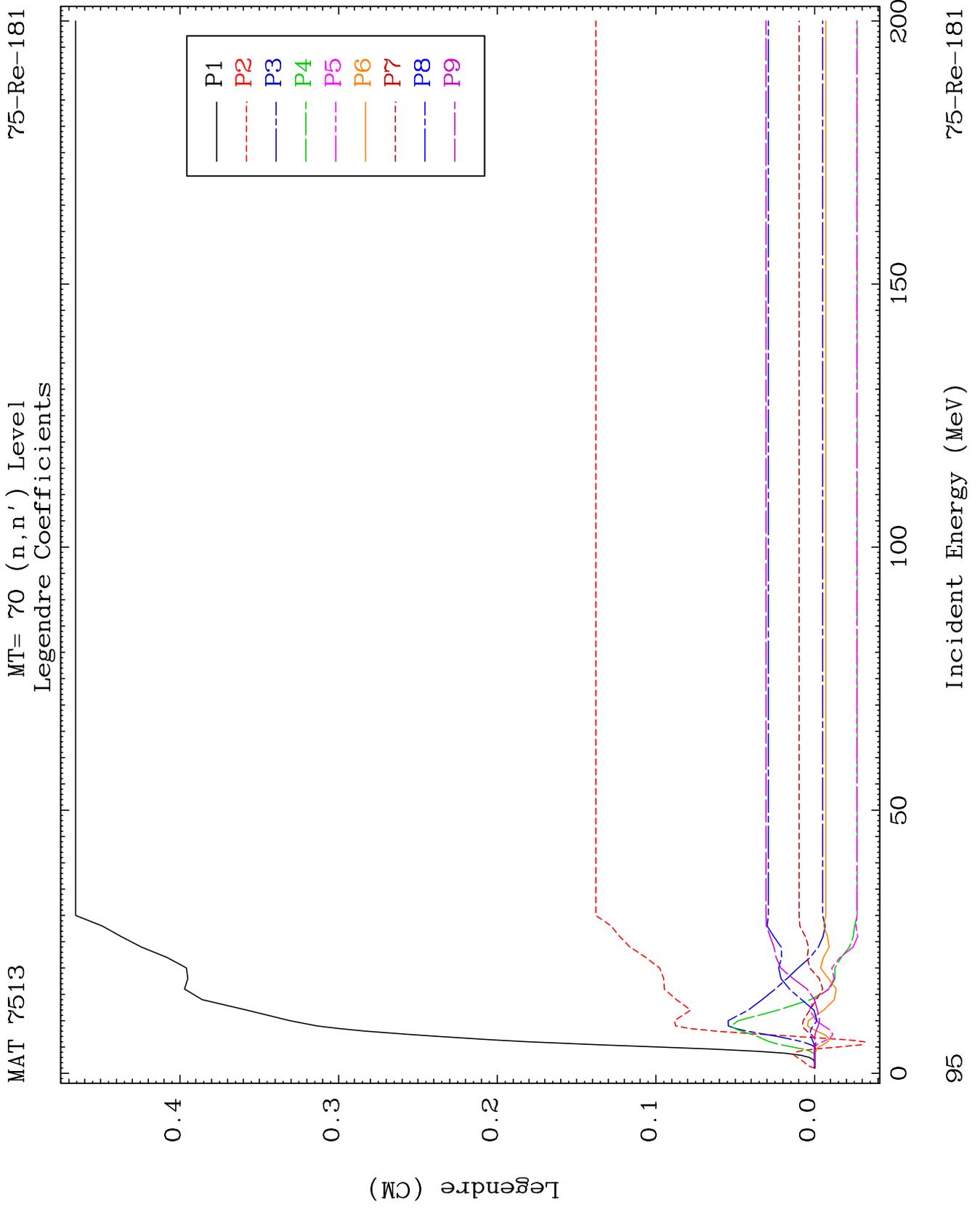
MAT 7513

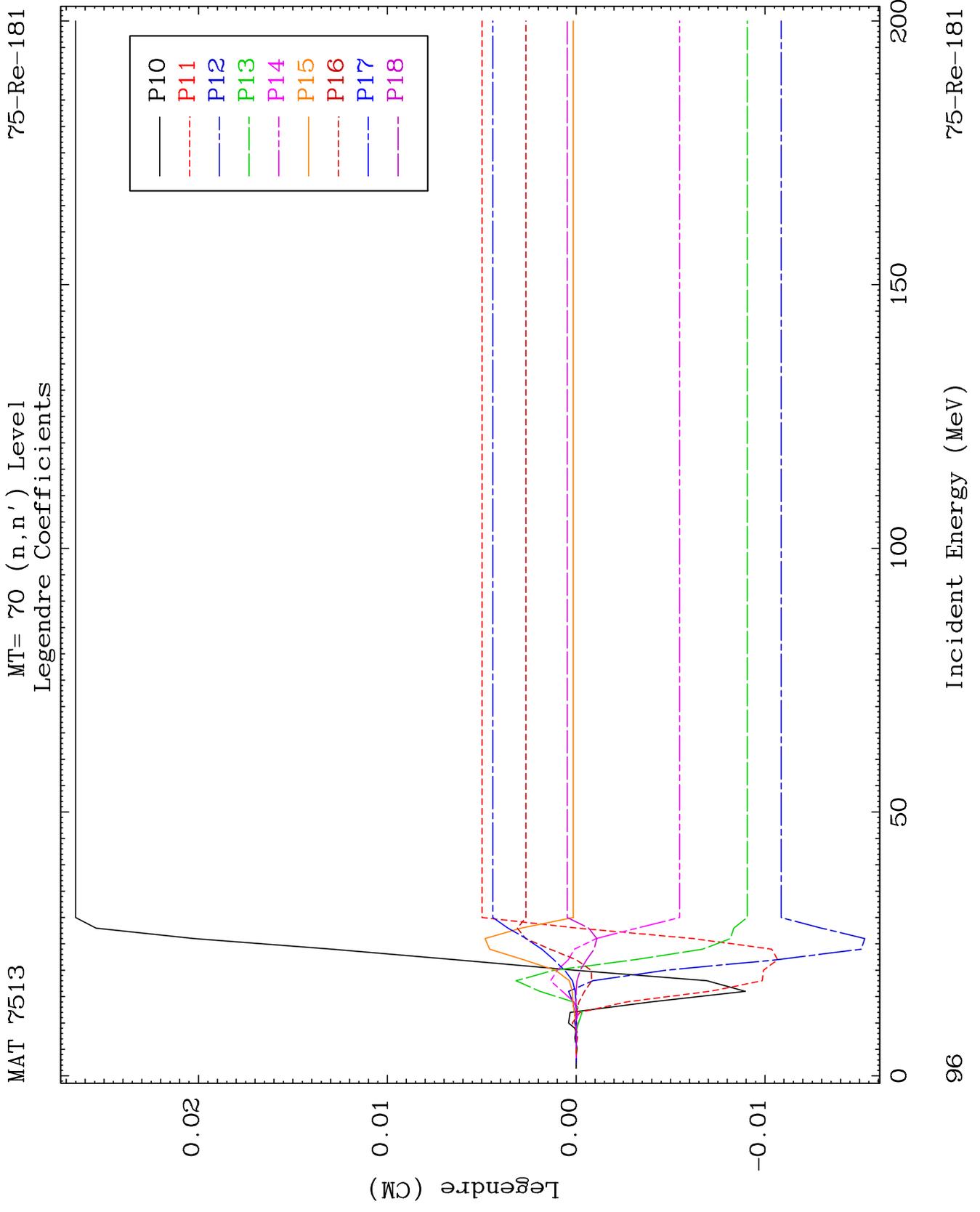
MT= 69 (n,n') Level
Legendre Coefficients

75-Re-181





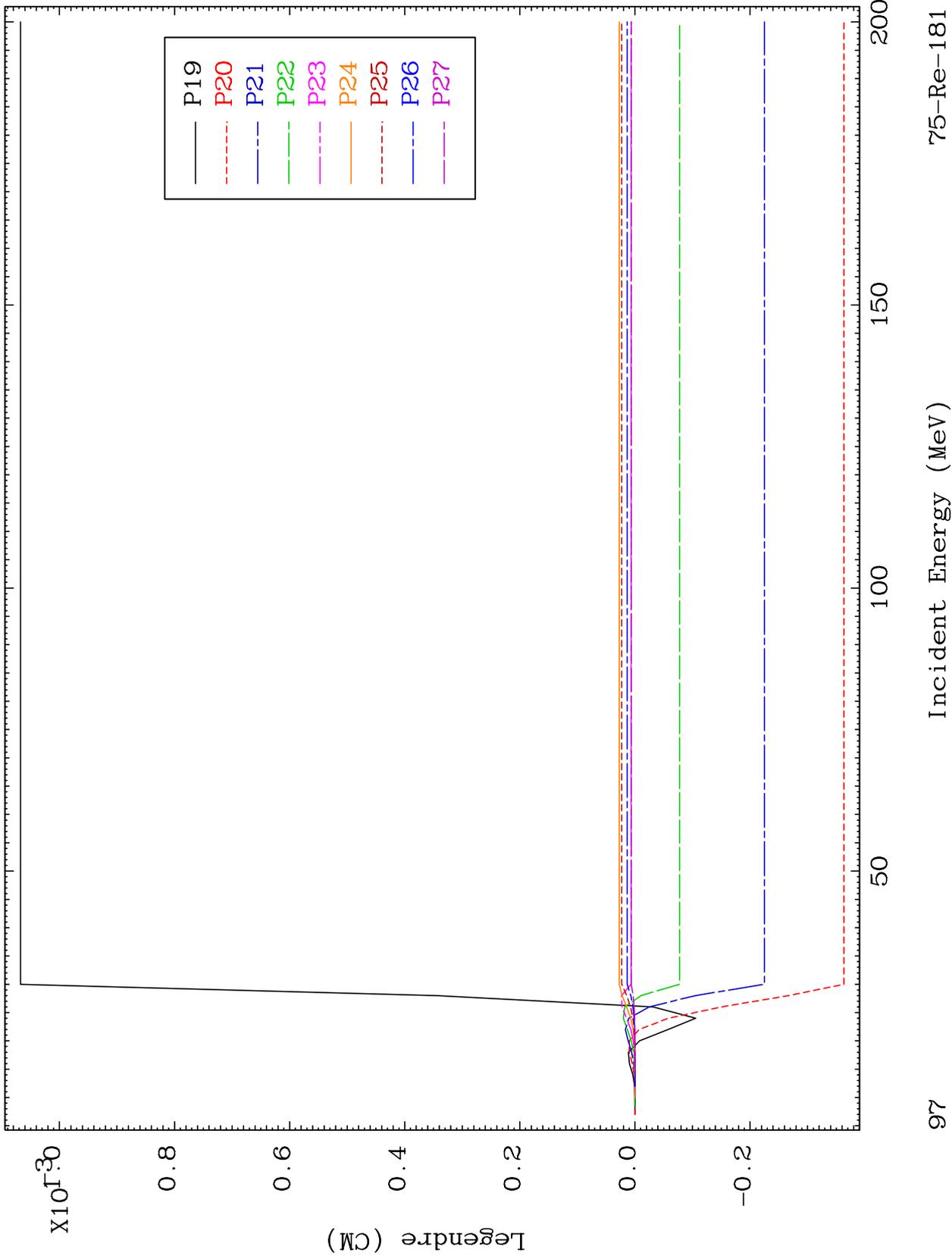




MAT 7513

MT= 70 (n,n') Level
Legendre Coefficients

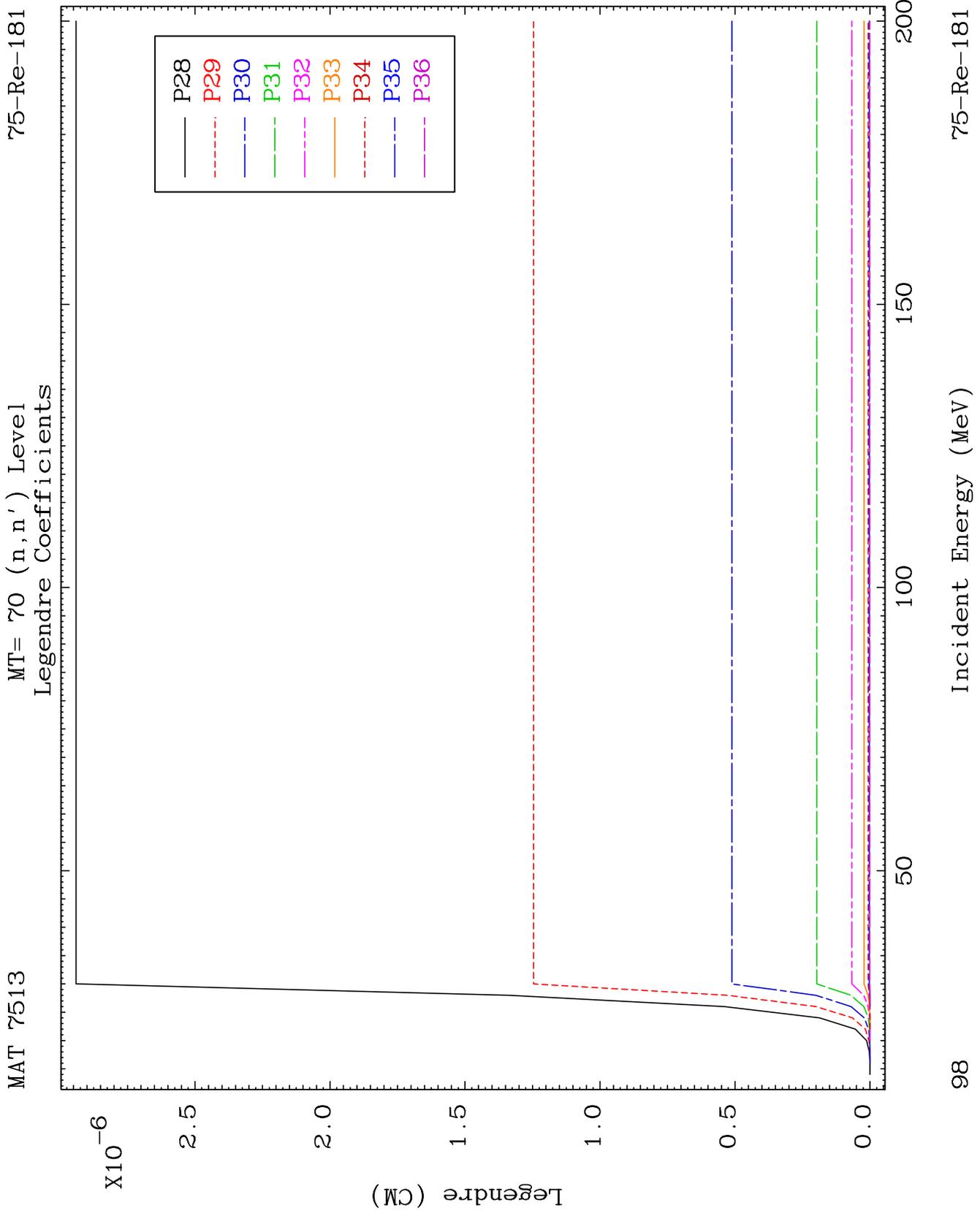
75-Re-181

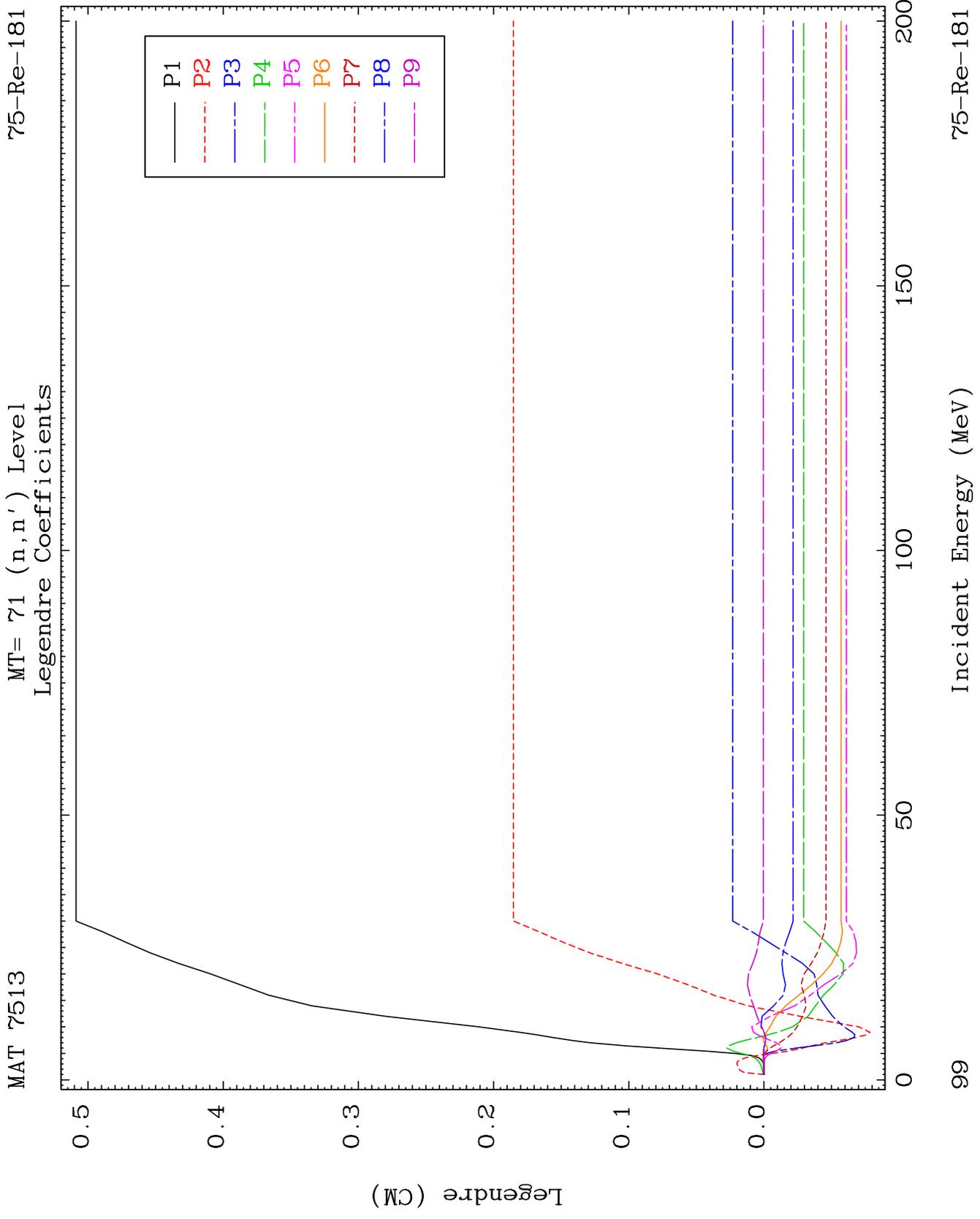


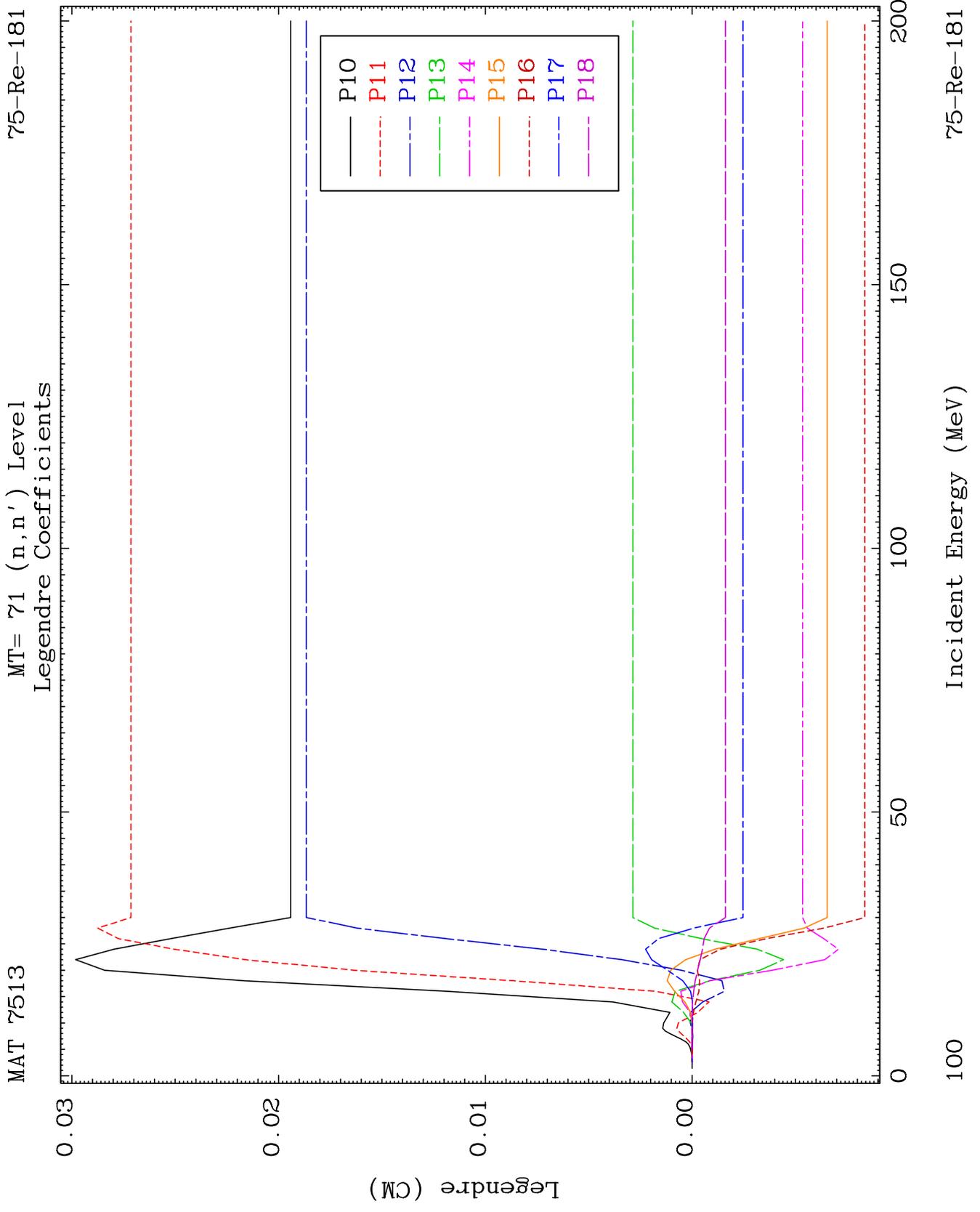
97

Incident Energy (MeV)

75-Re-181



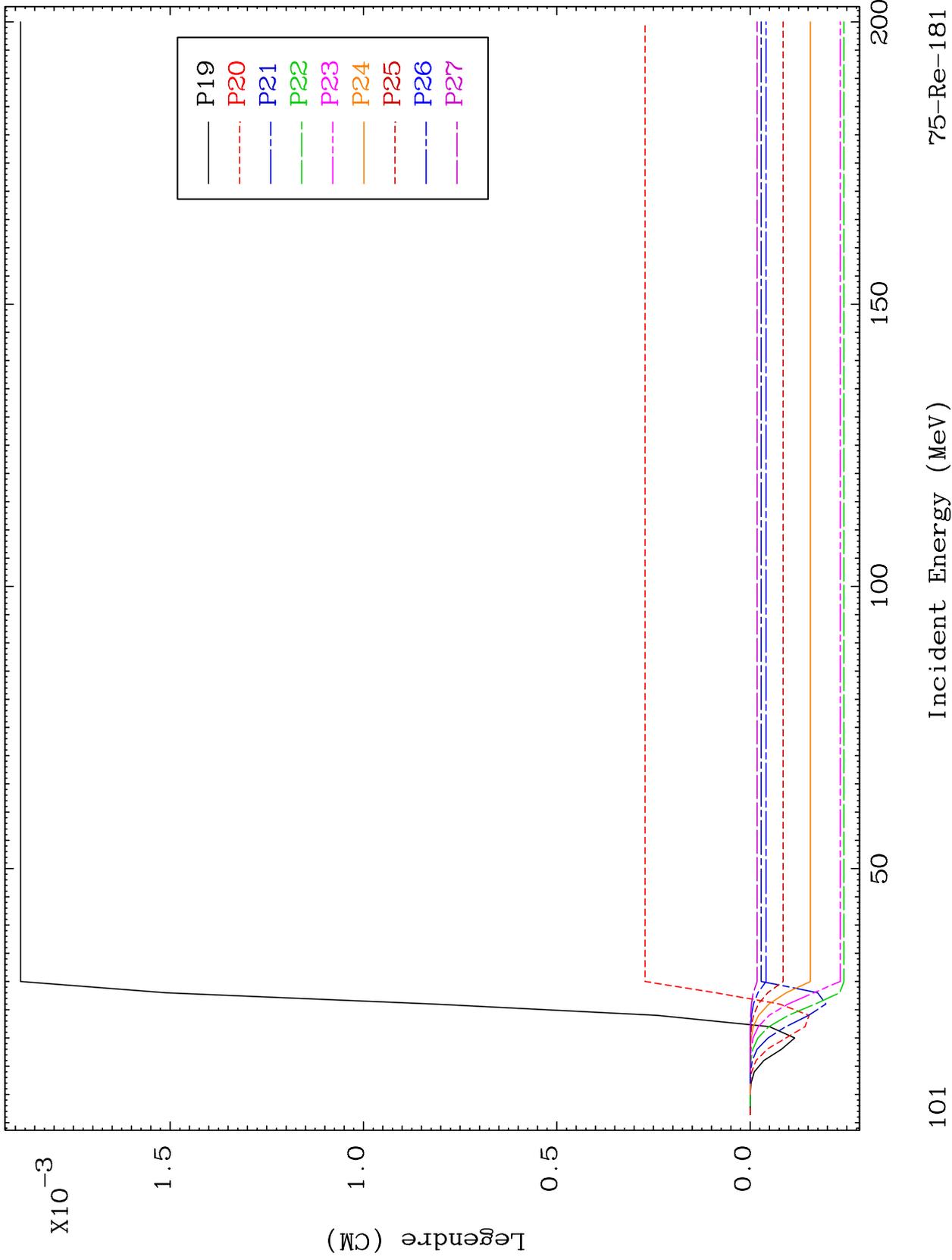




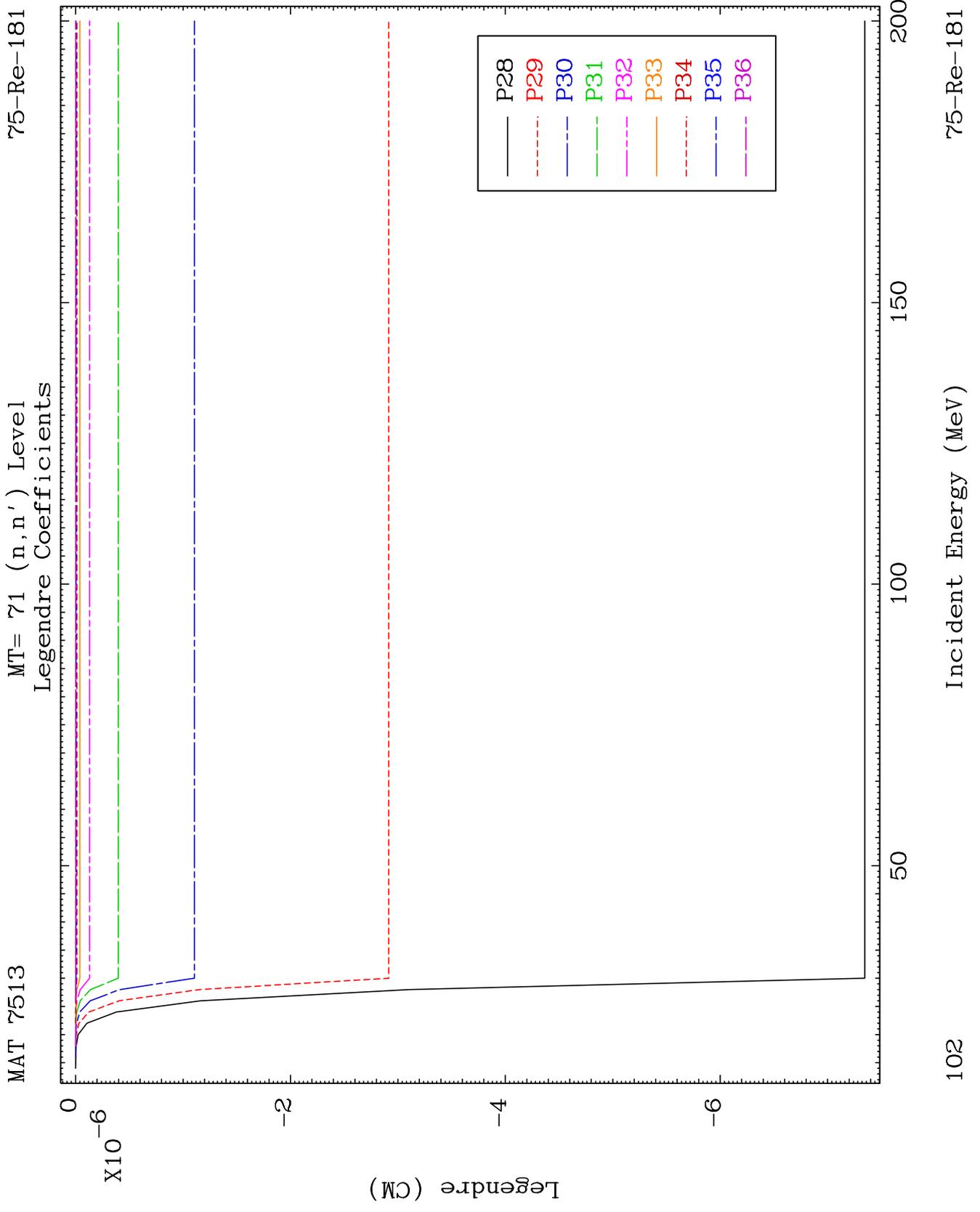
MAT 7513

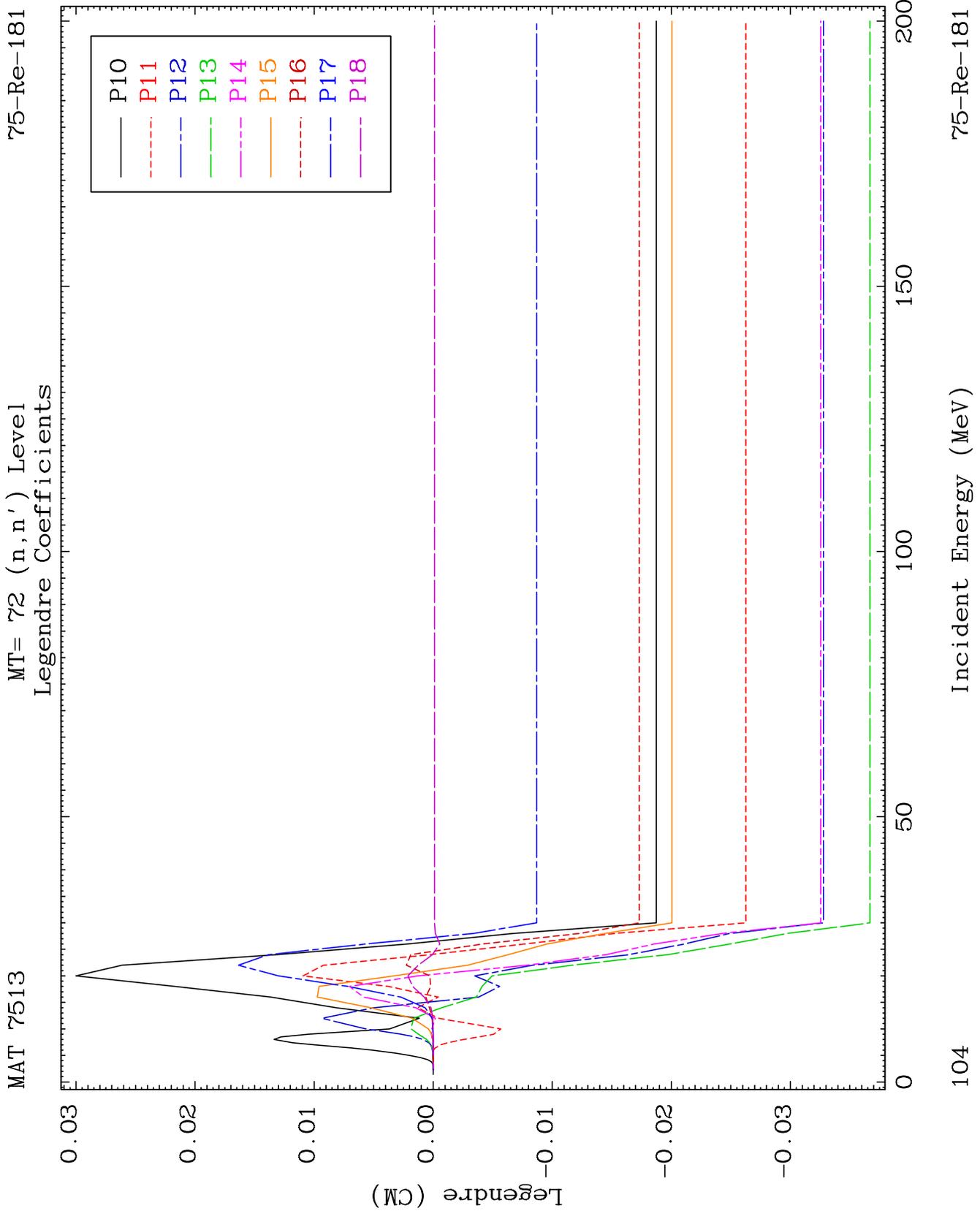
MT= 71 (n,n') Level
Legendre Coefficients

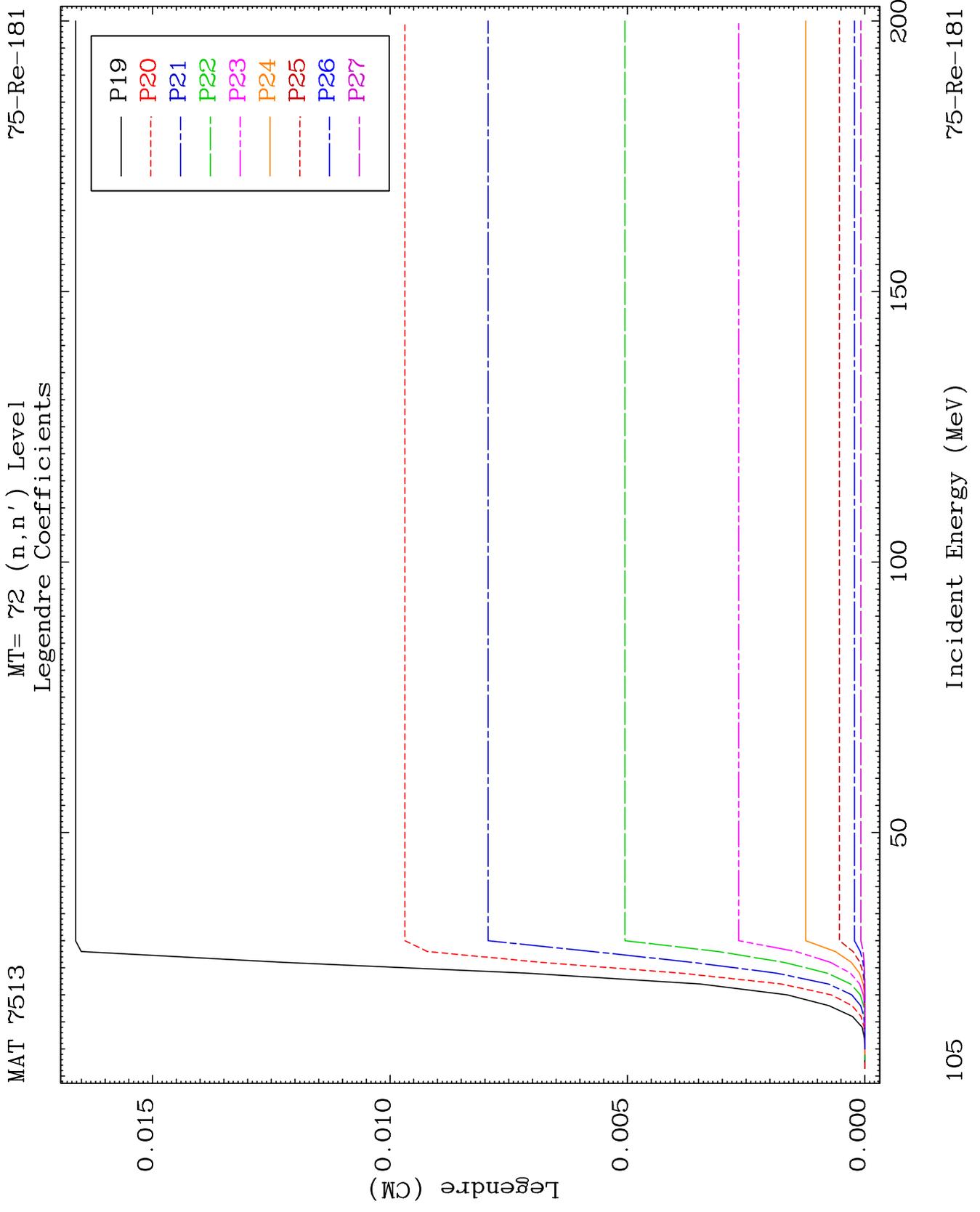
75-Re-181



101



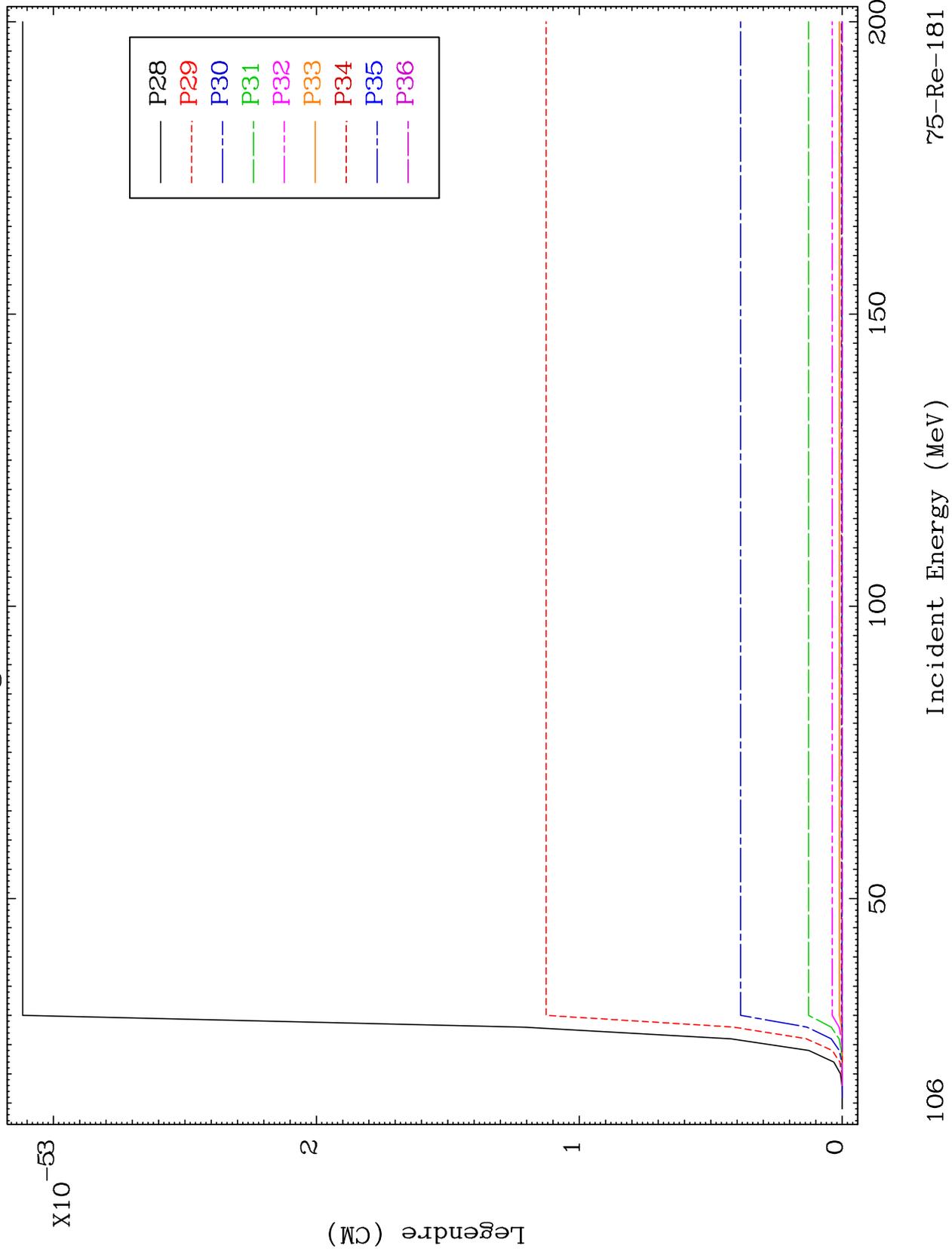


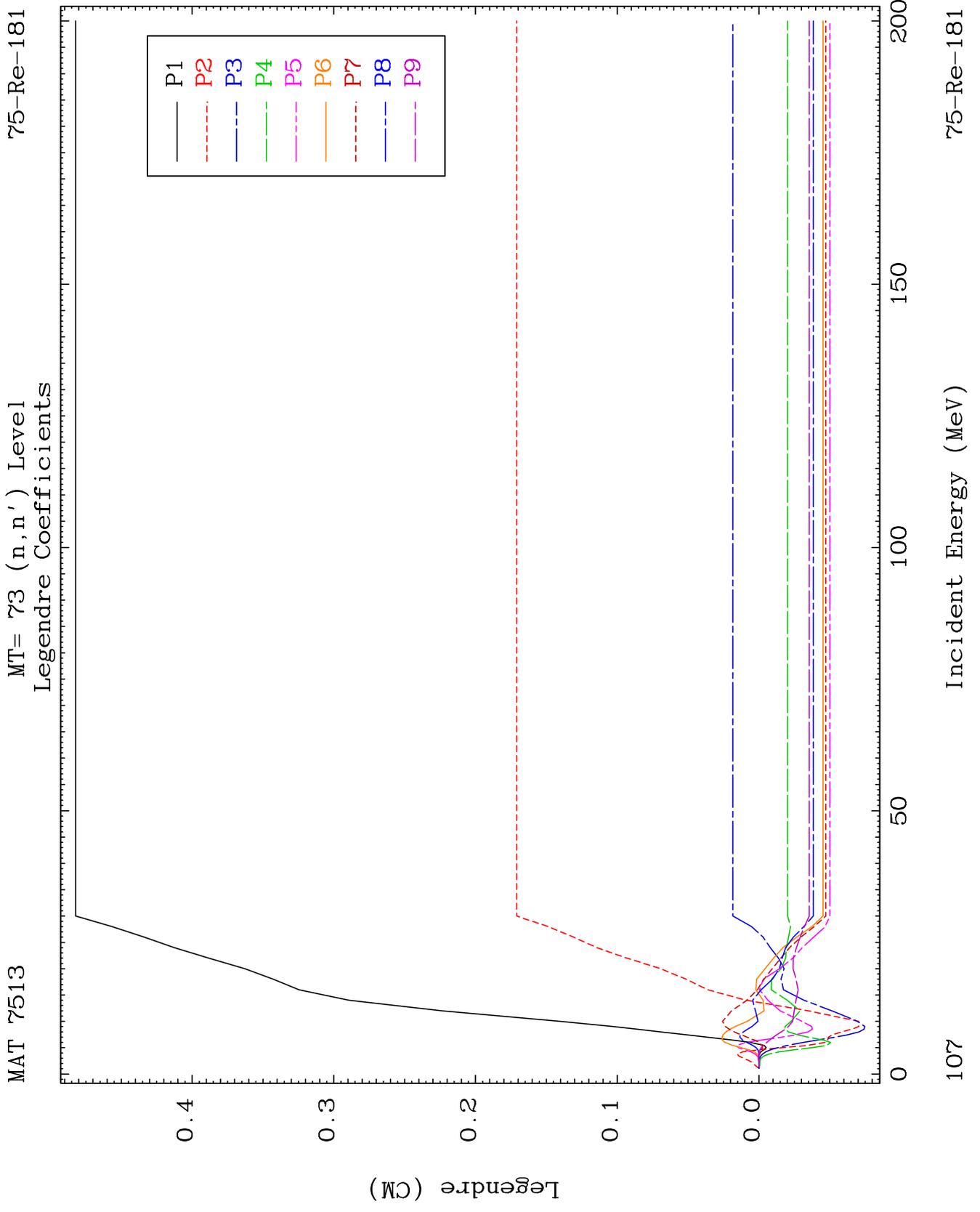


MAT 7513

MT= 72 (n,n') Level
Legendre Coefficients

75-Re-181

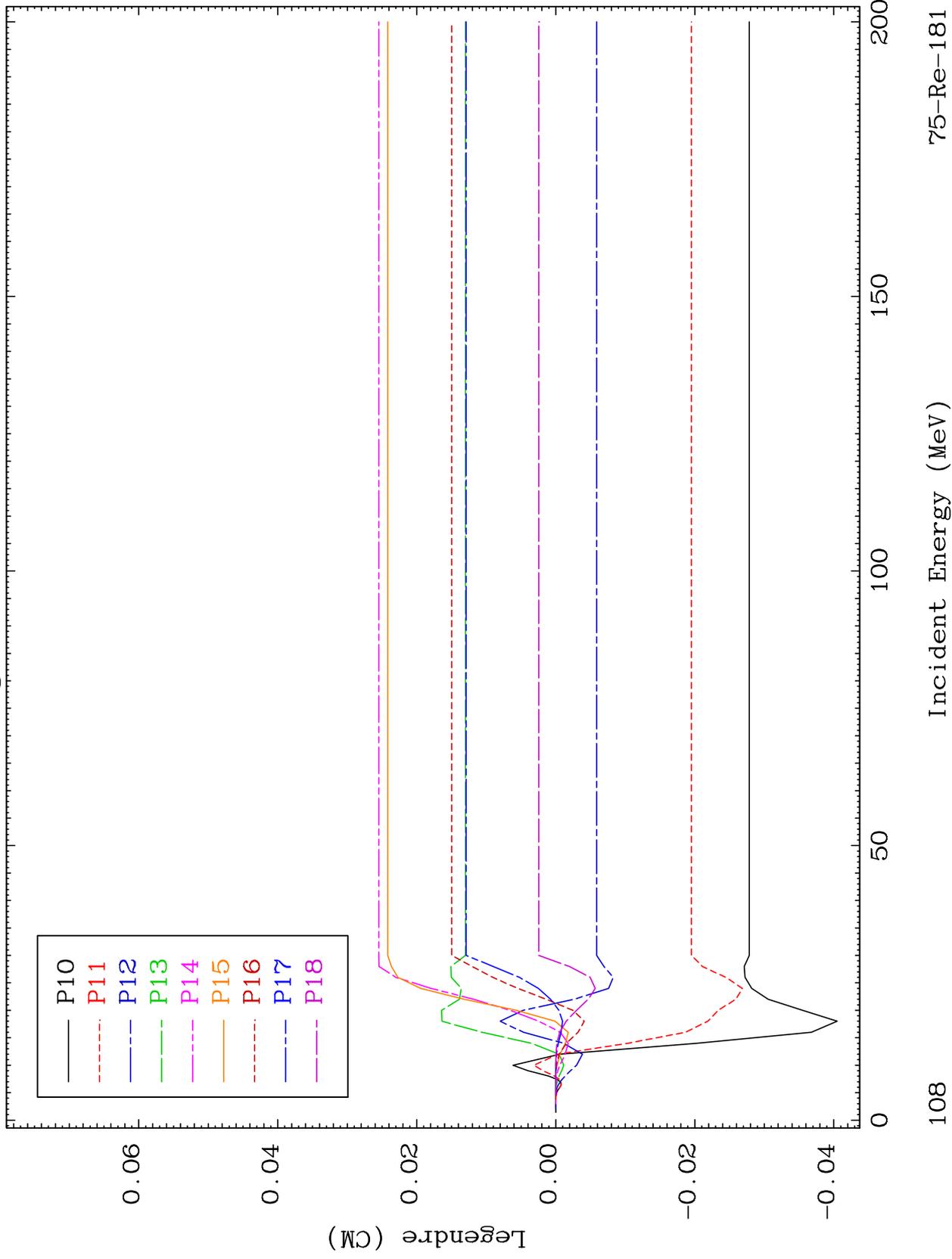




MAT 7513

MT= 73 (n,n') Level
Legendre Coefficients

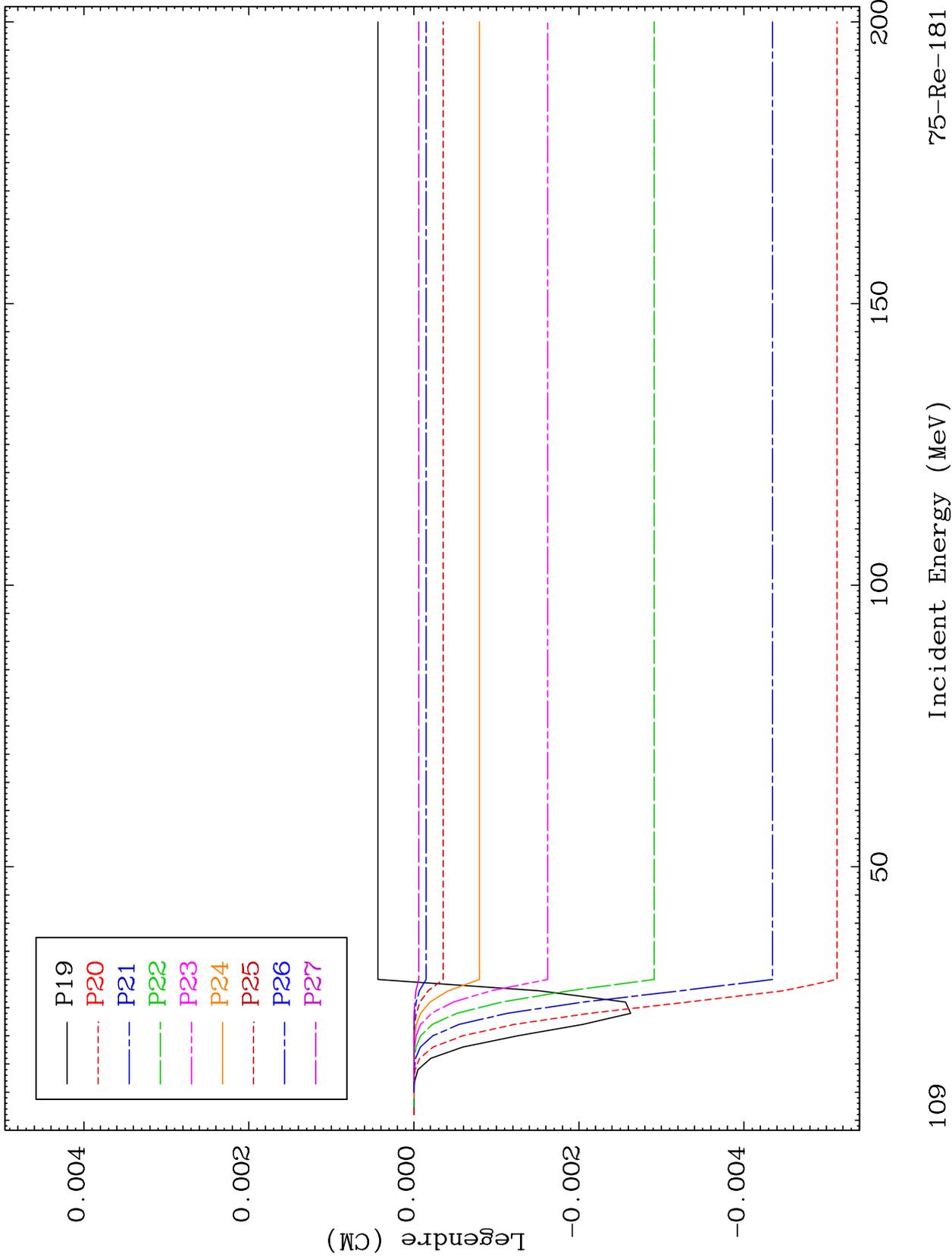
75-Re-181

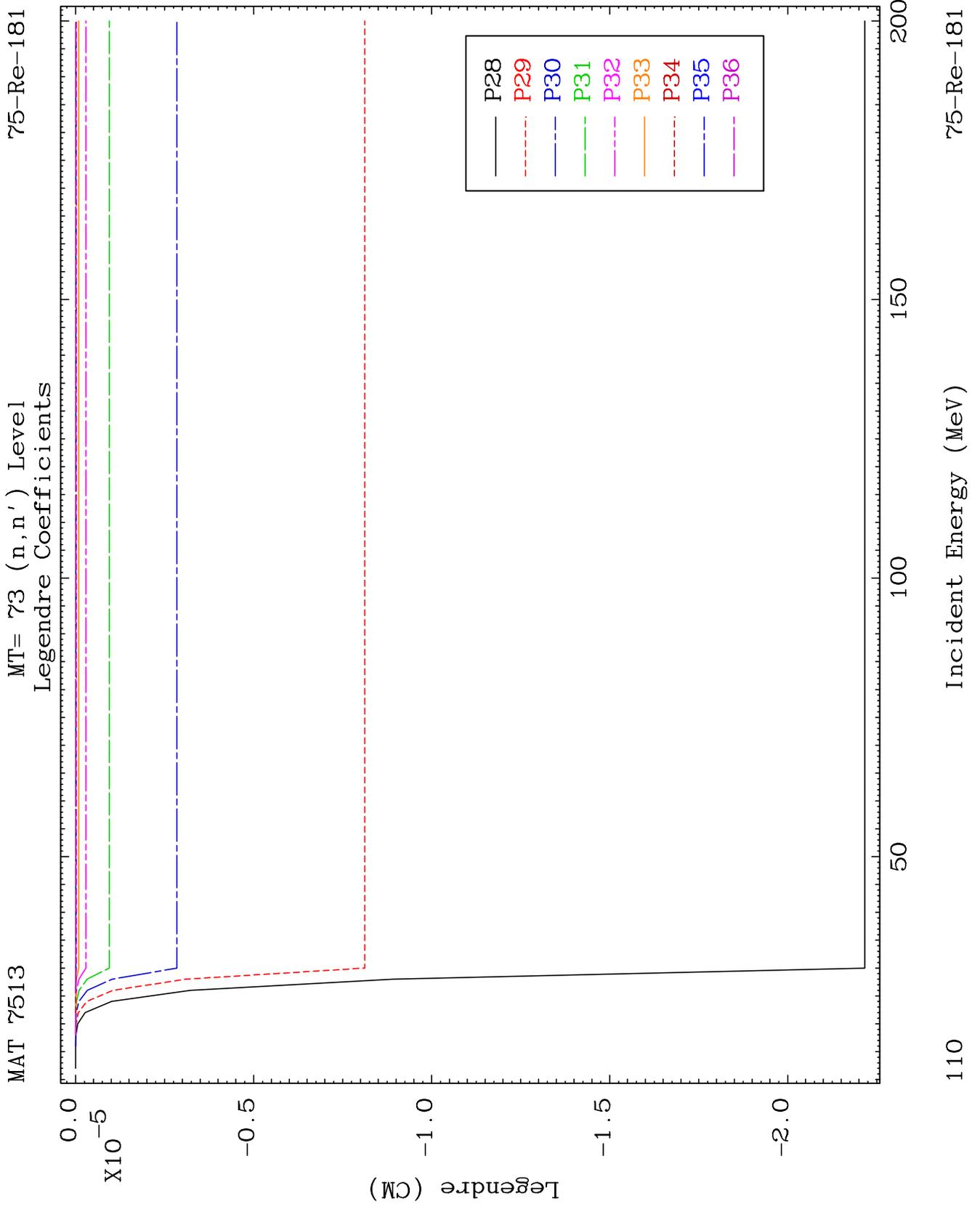


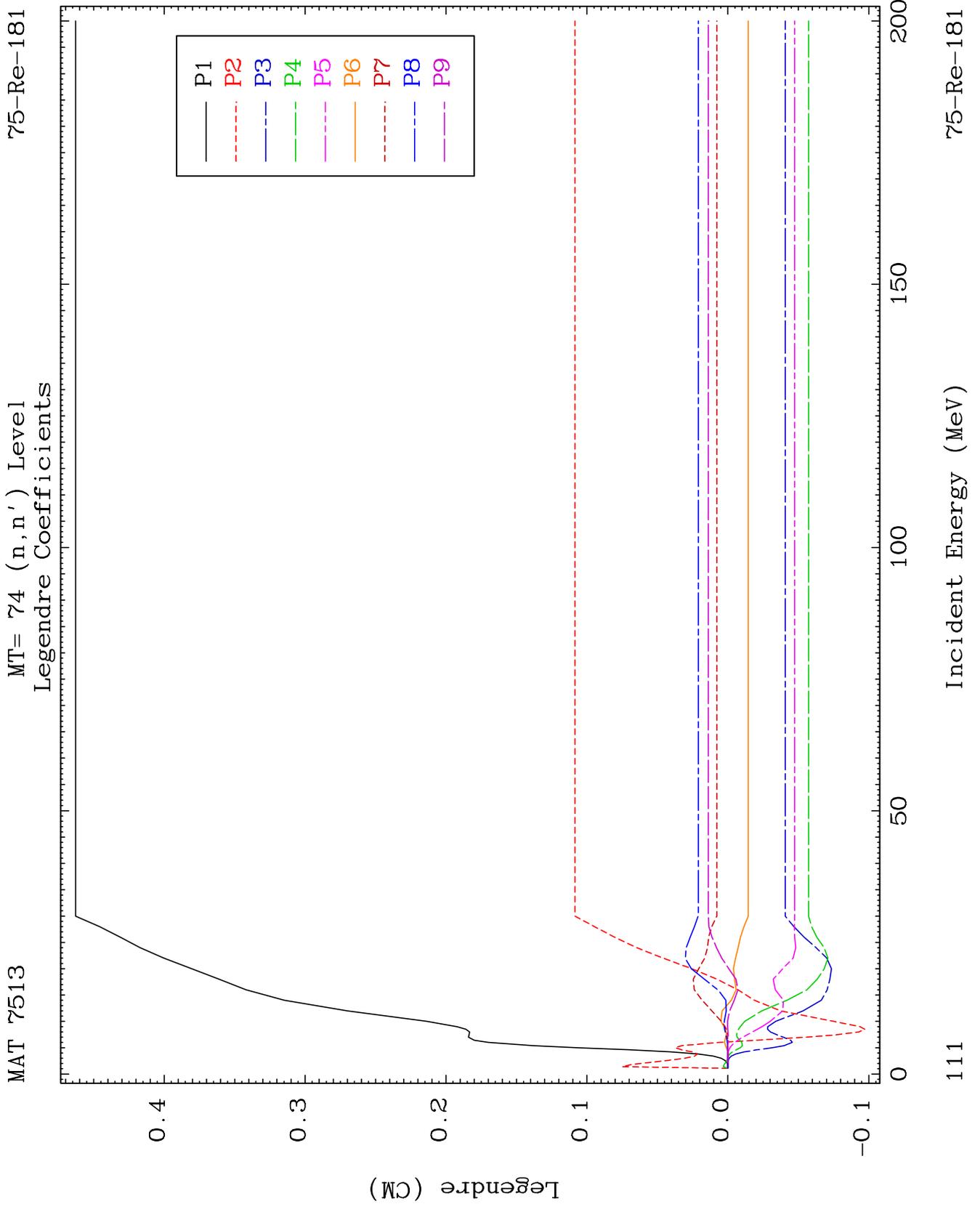
75-Re-181

Incident Energy (MeV)

108



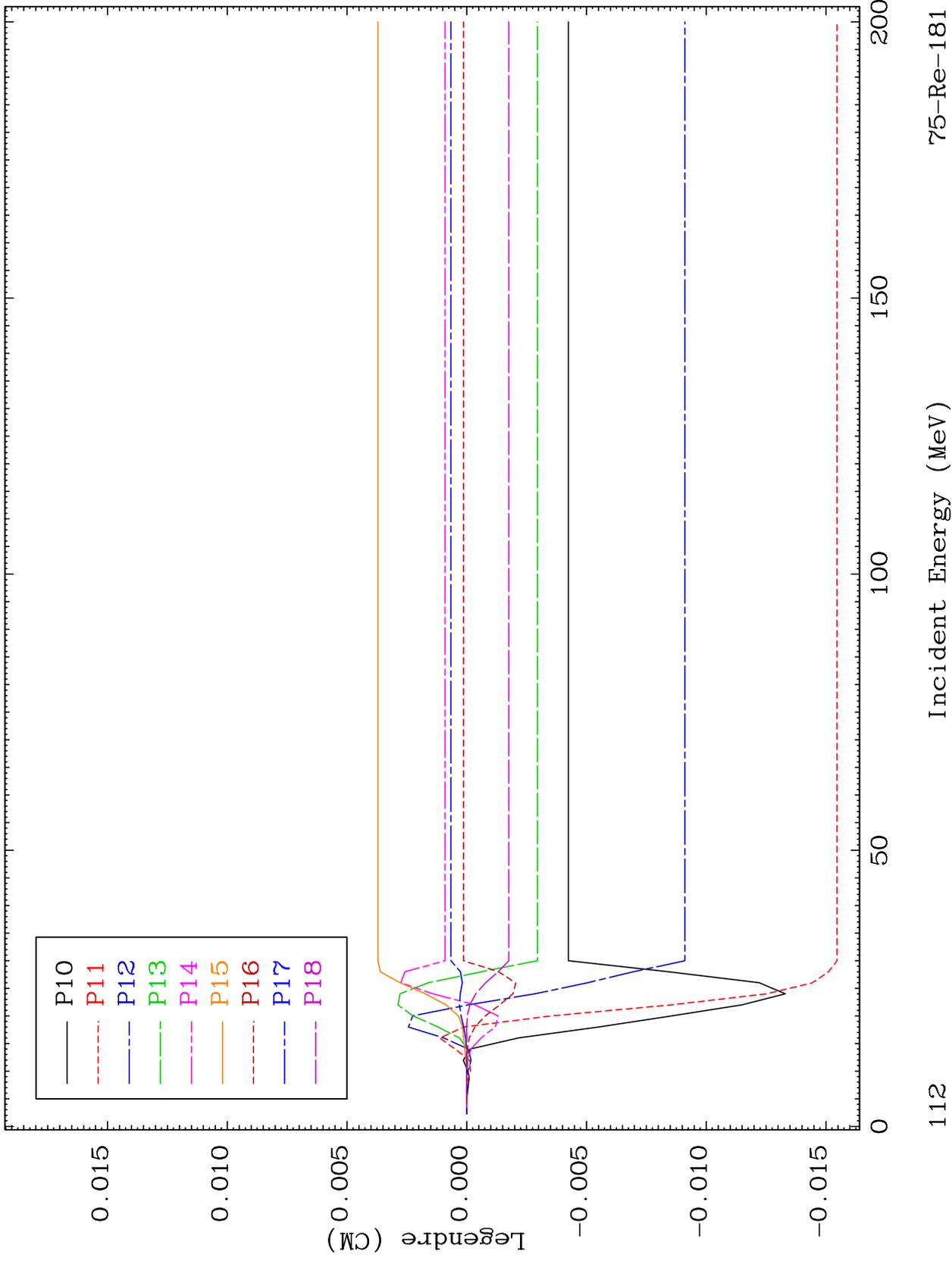




MAT 7513

MT= 74 (n,n') Level
Legendre Coefficients

75-Re-181



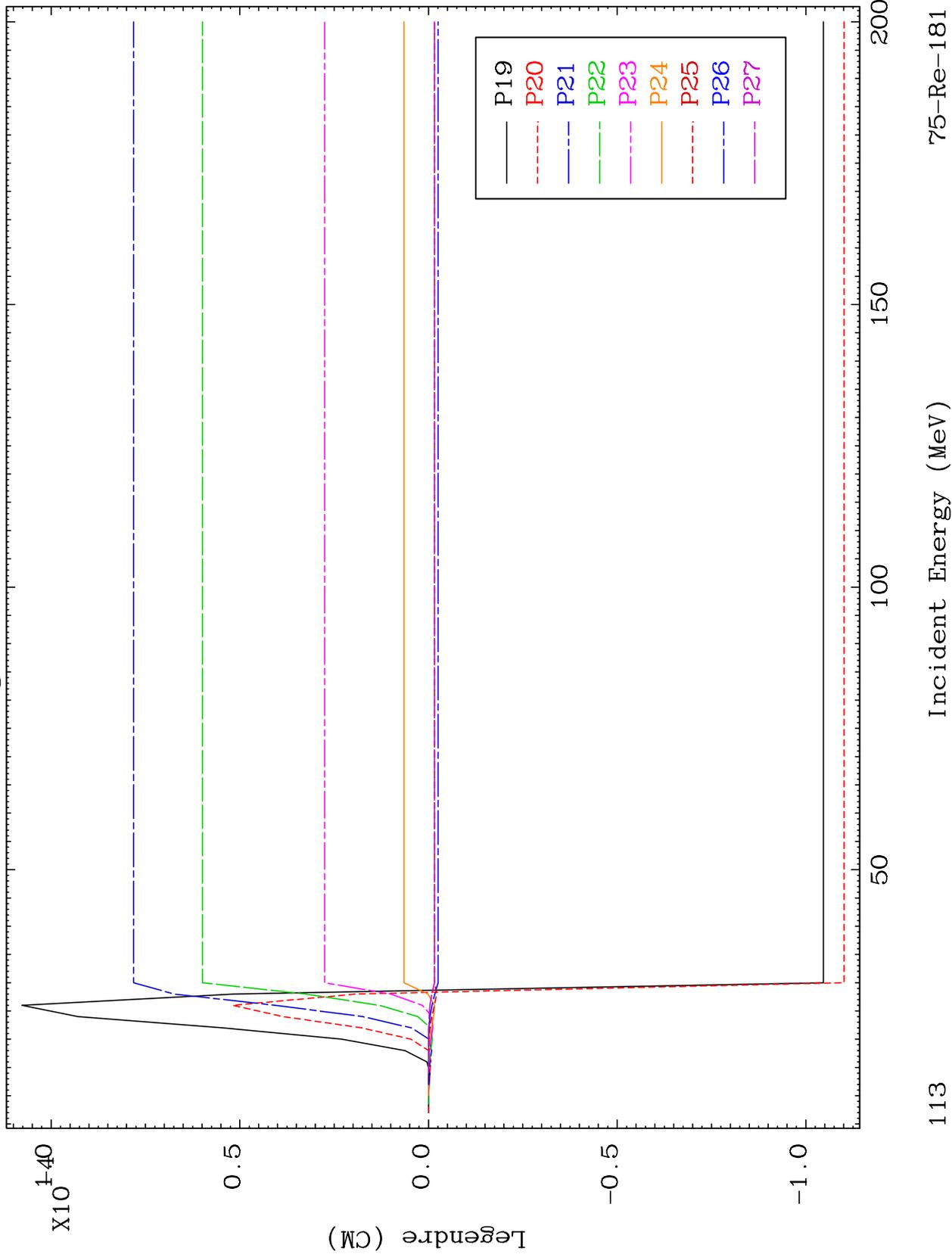
112

75-Re-181

MAT 7513

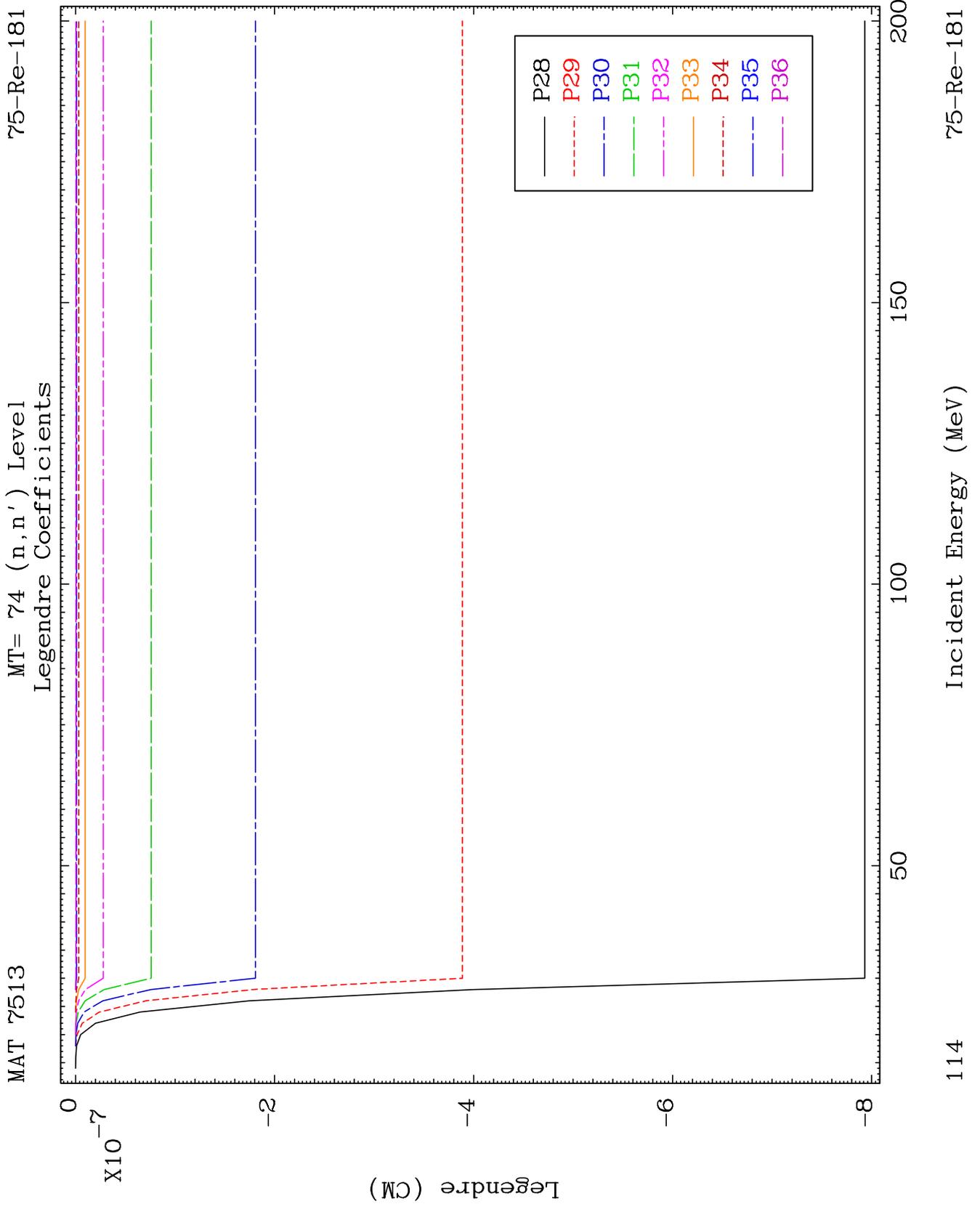
MT= 74 (n,n') Level
Legendre Coefficients

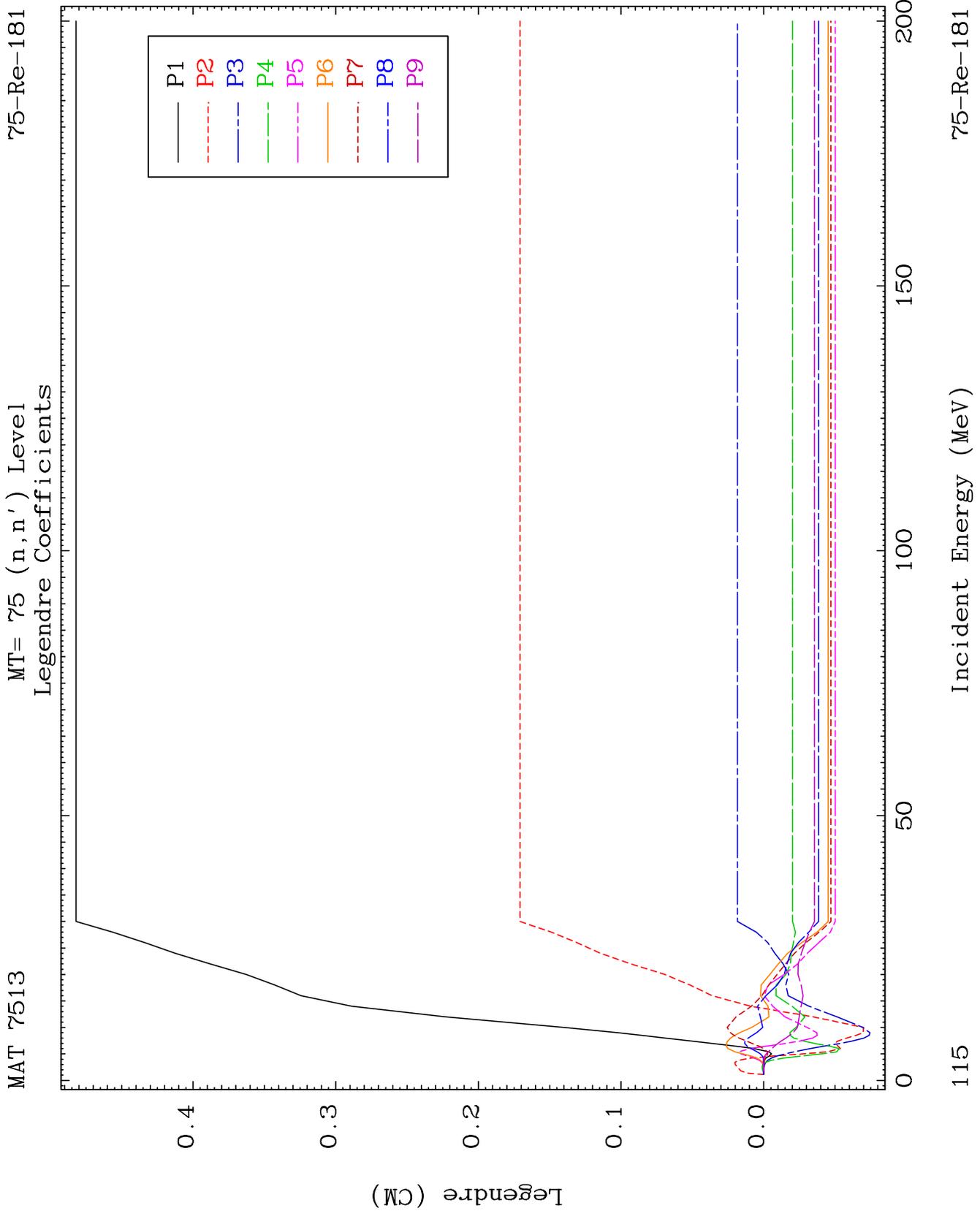
75-Re-181



113

75-Re-181

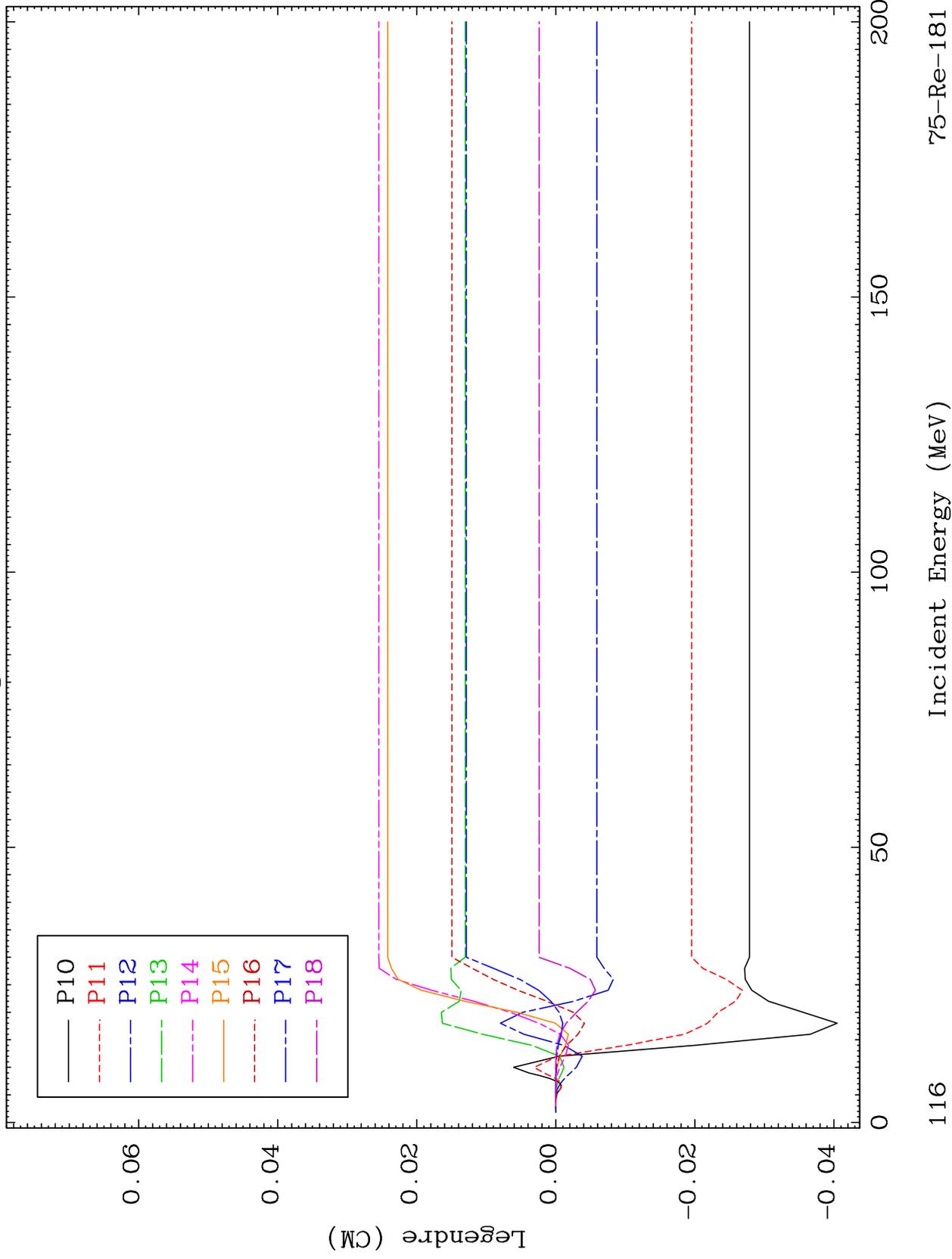




MAT 7513

MT= 75 (n,n') Level
Legendre Coefficients

75-Re-181



116

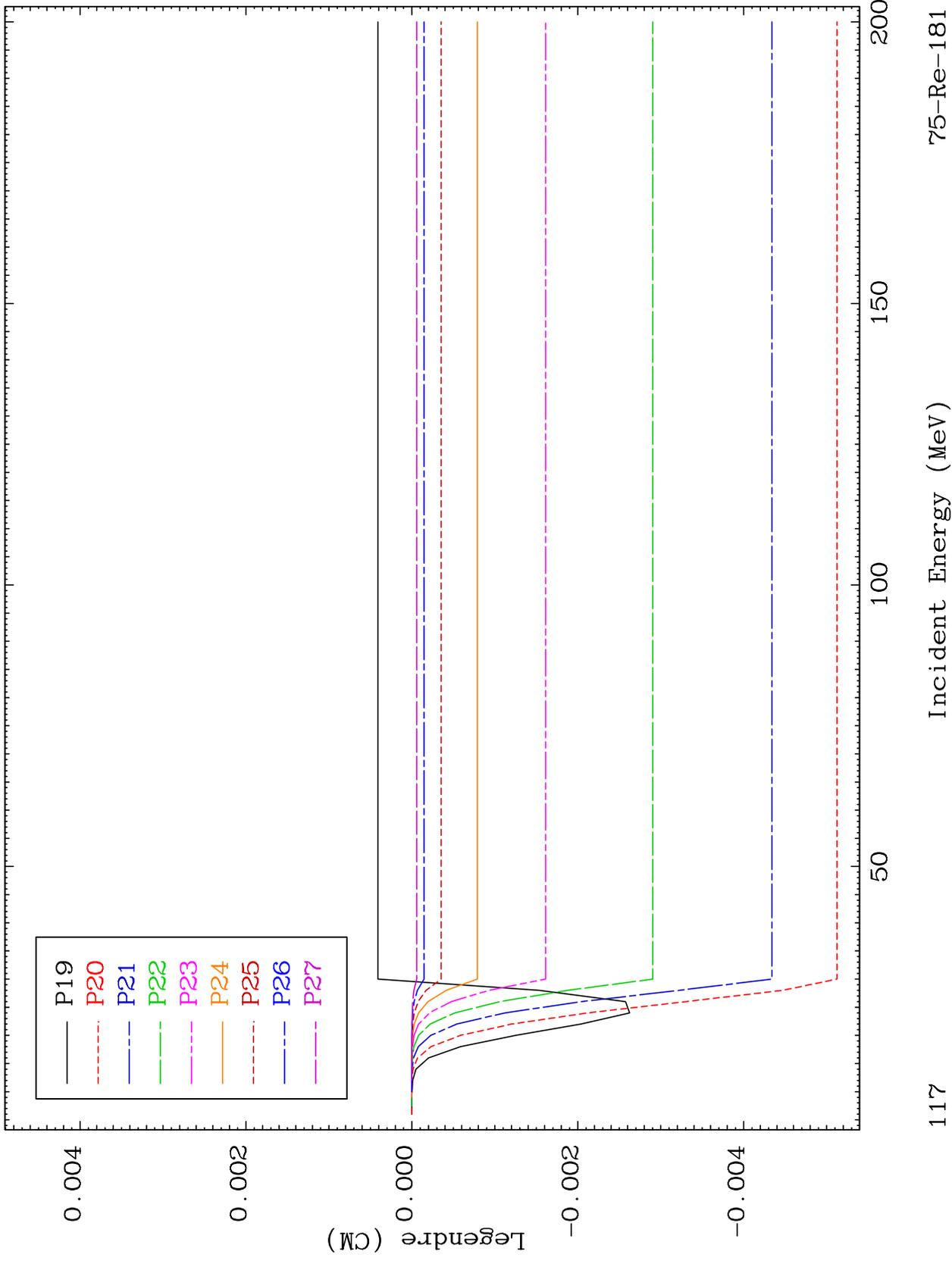
Incident Energy (MeV)

75-Re-181

MAT 7513

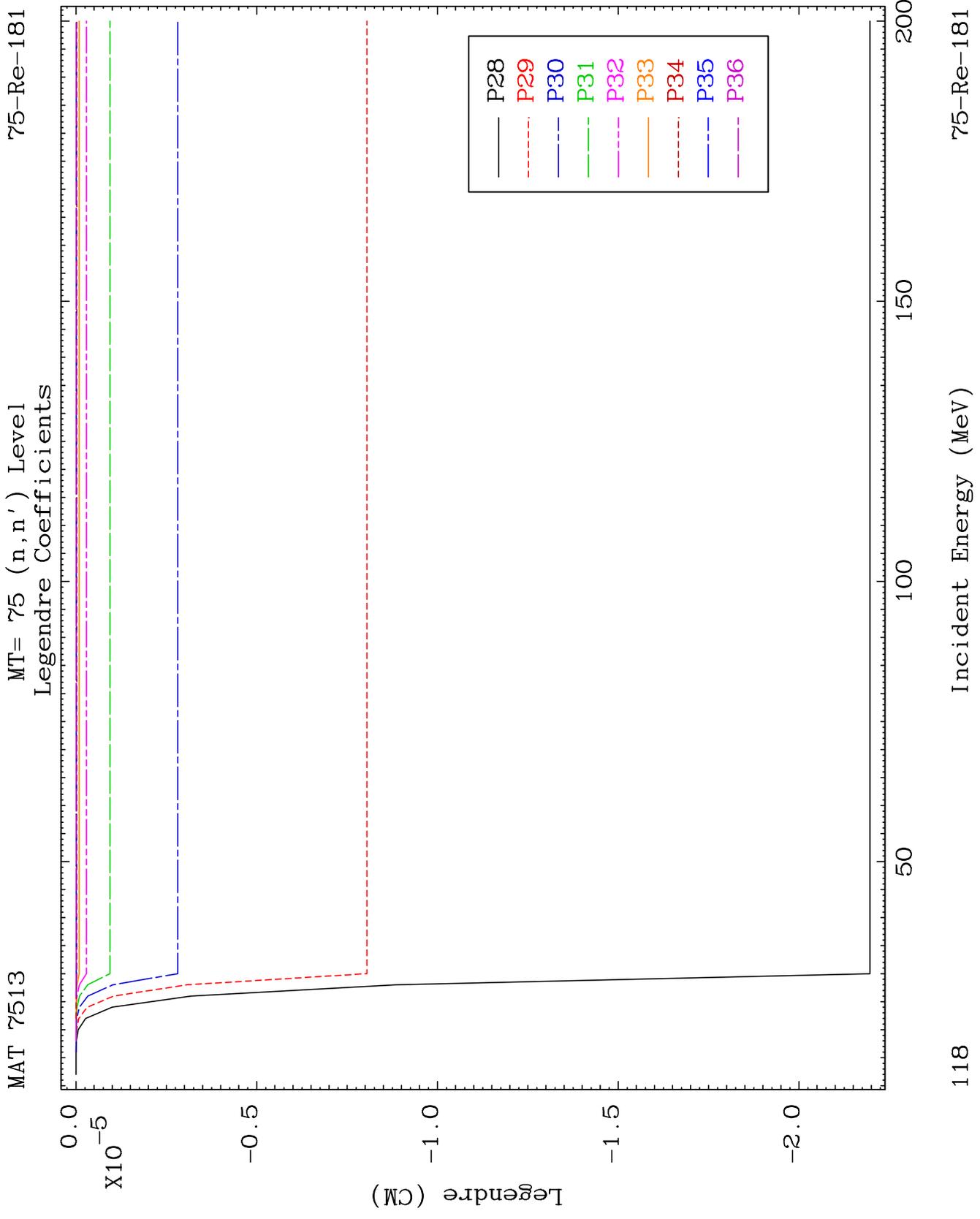
MT= 75 (n,n') Level
Legendre Coefficients

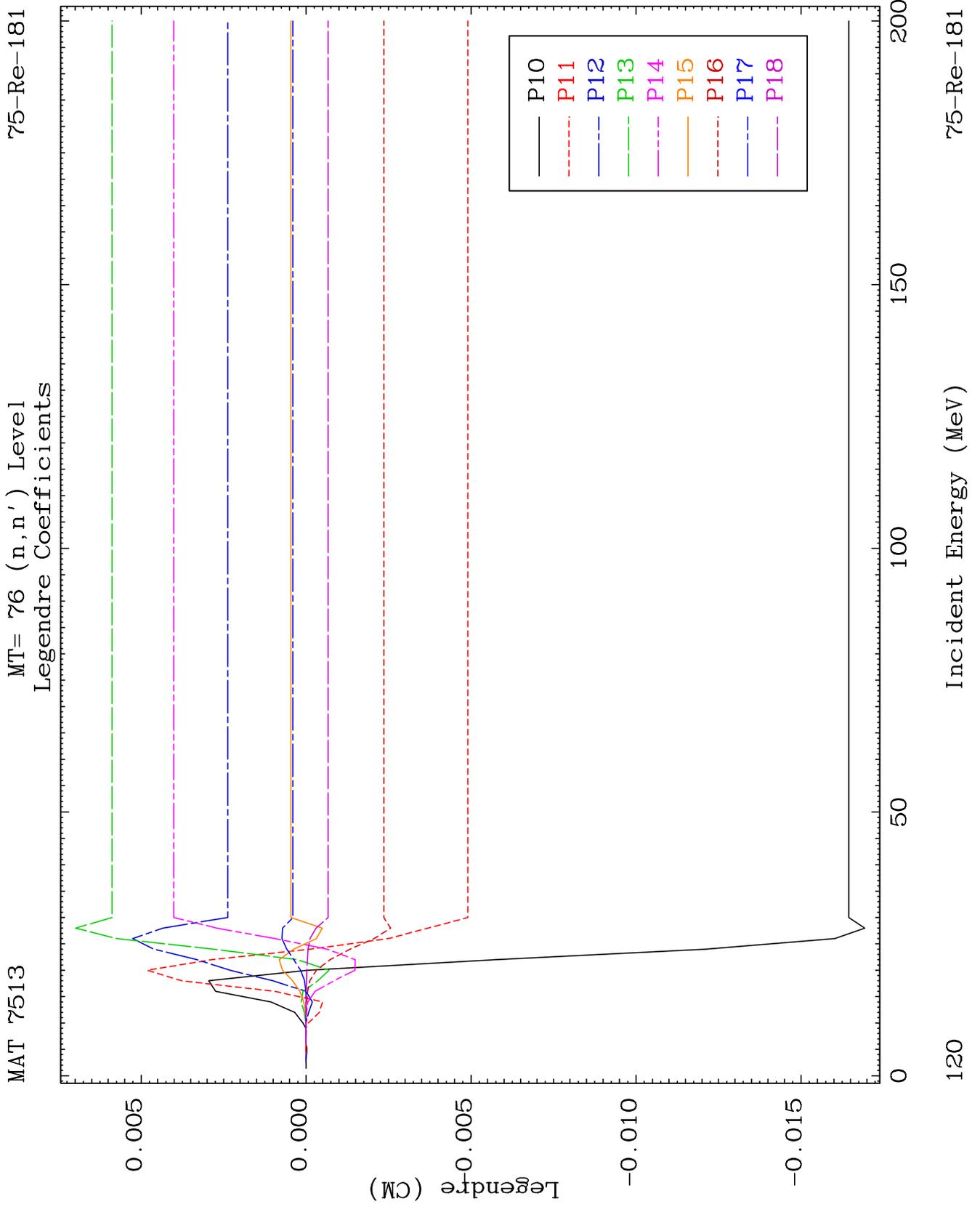
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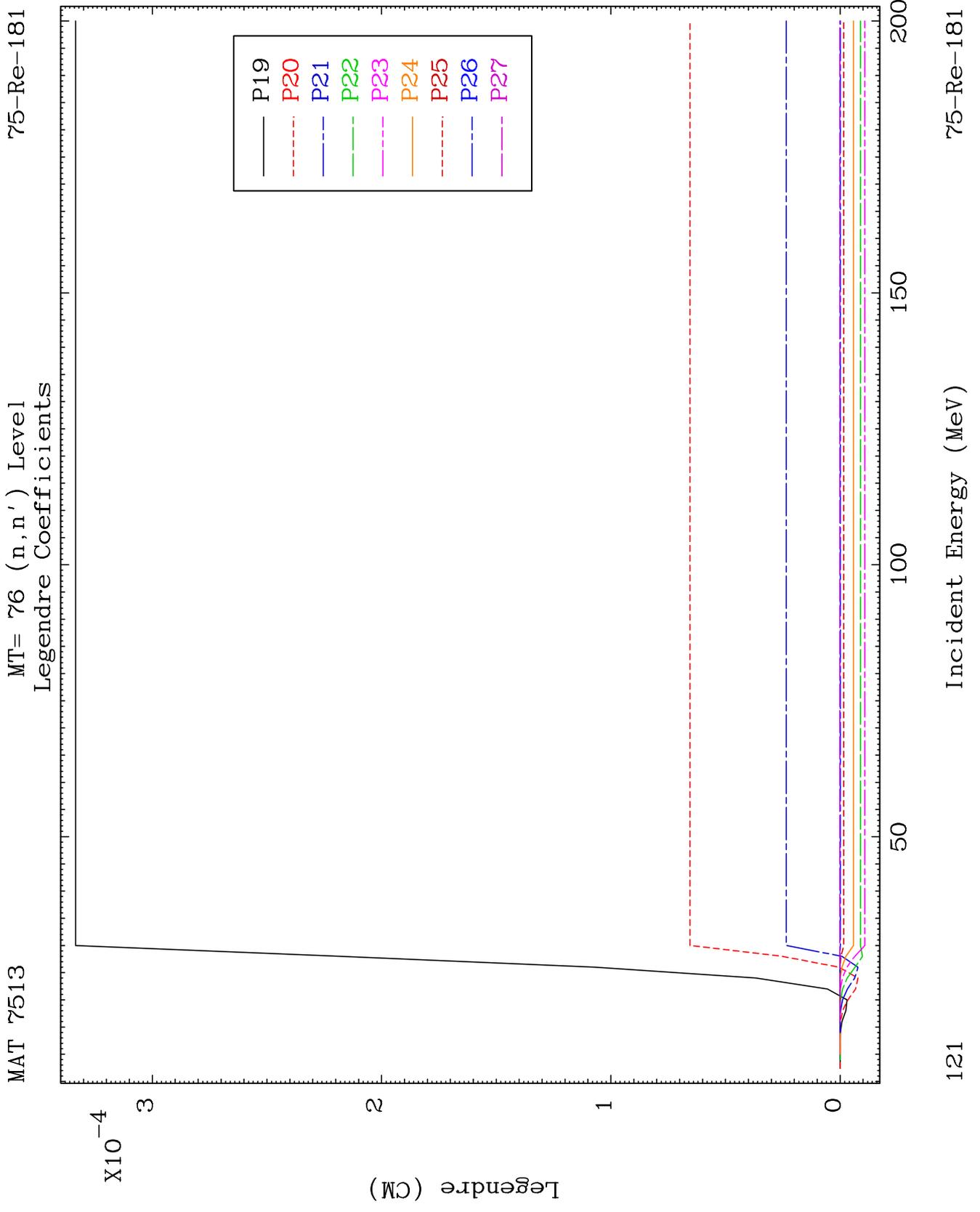


117

75-Re-181



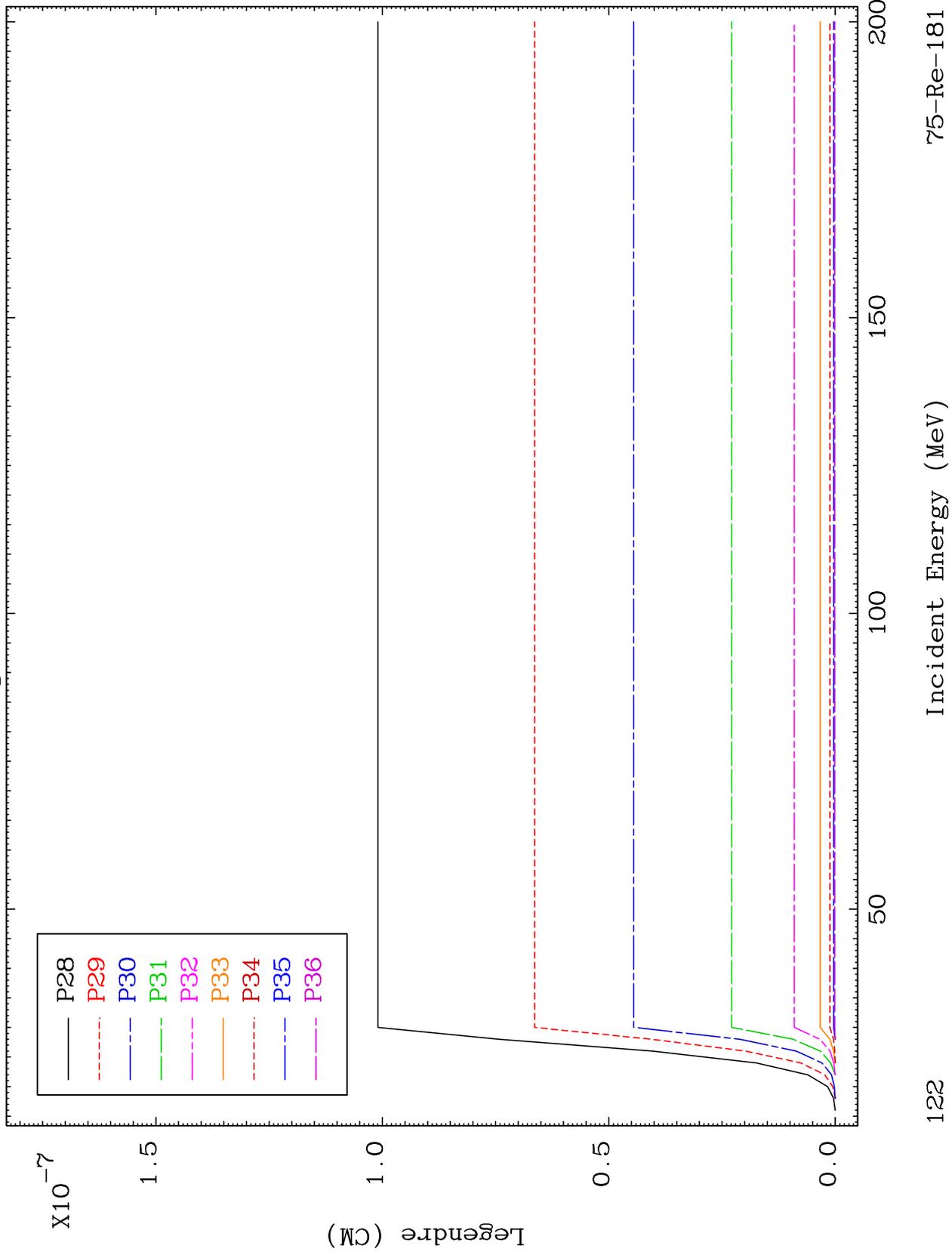




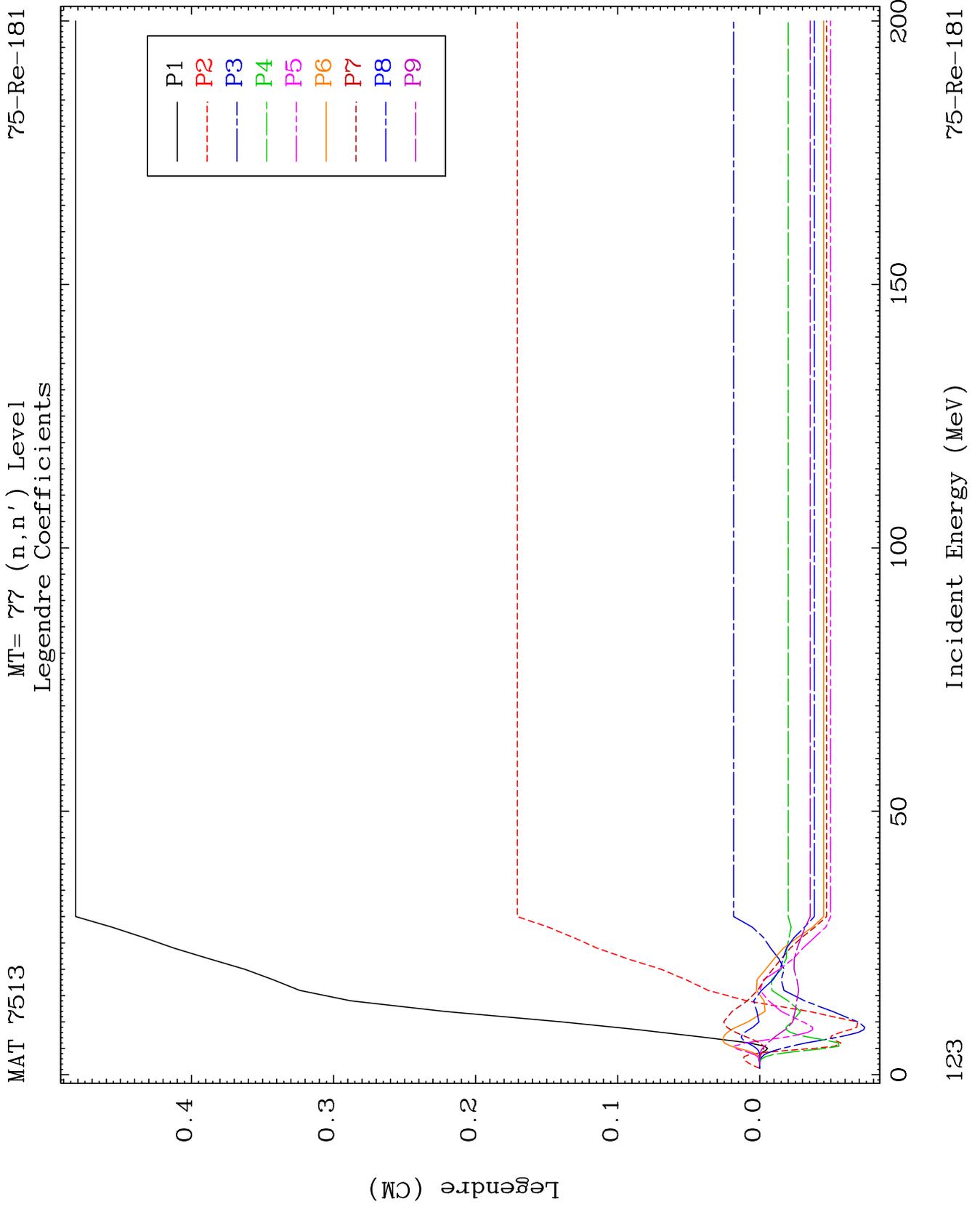
MAT 7513

MT= 76 (n,n') Level
Legendre Coefficients

75-Re-181



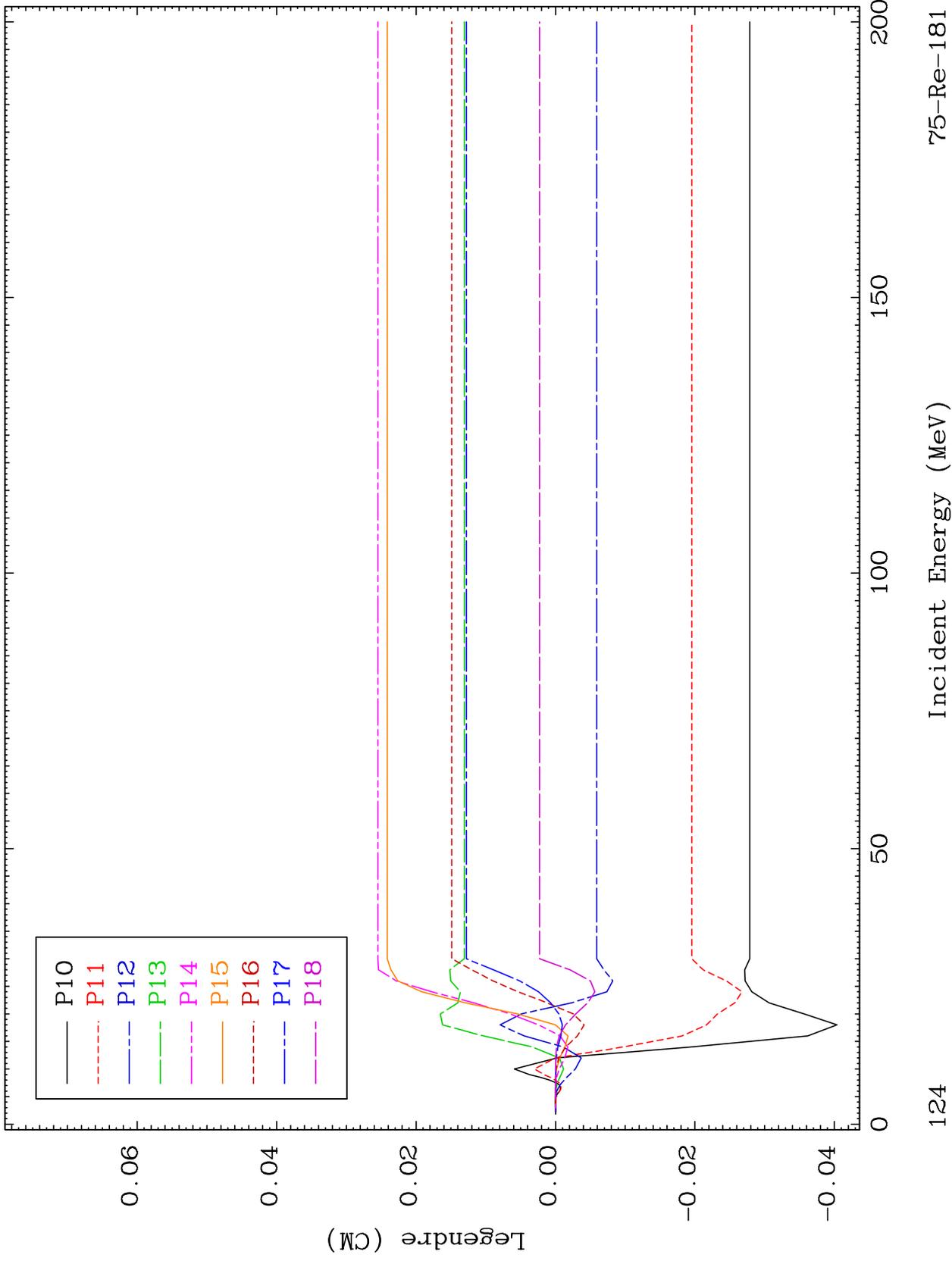
122



MAT 7513

MT= 77 (n,n') Level
Legendre Coefficients

75-Re-181



124

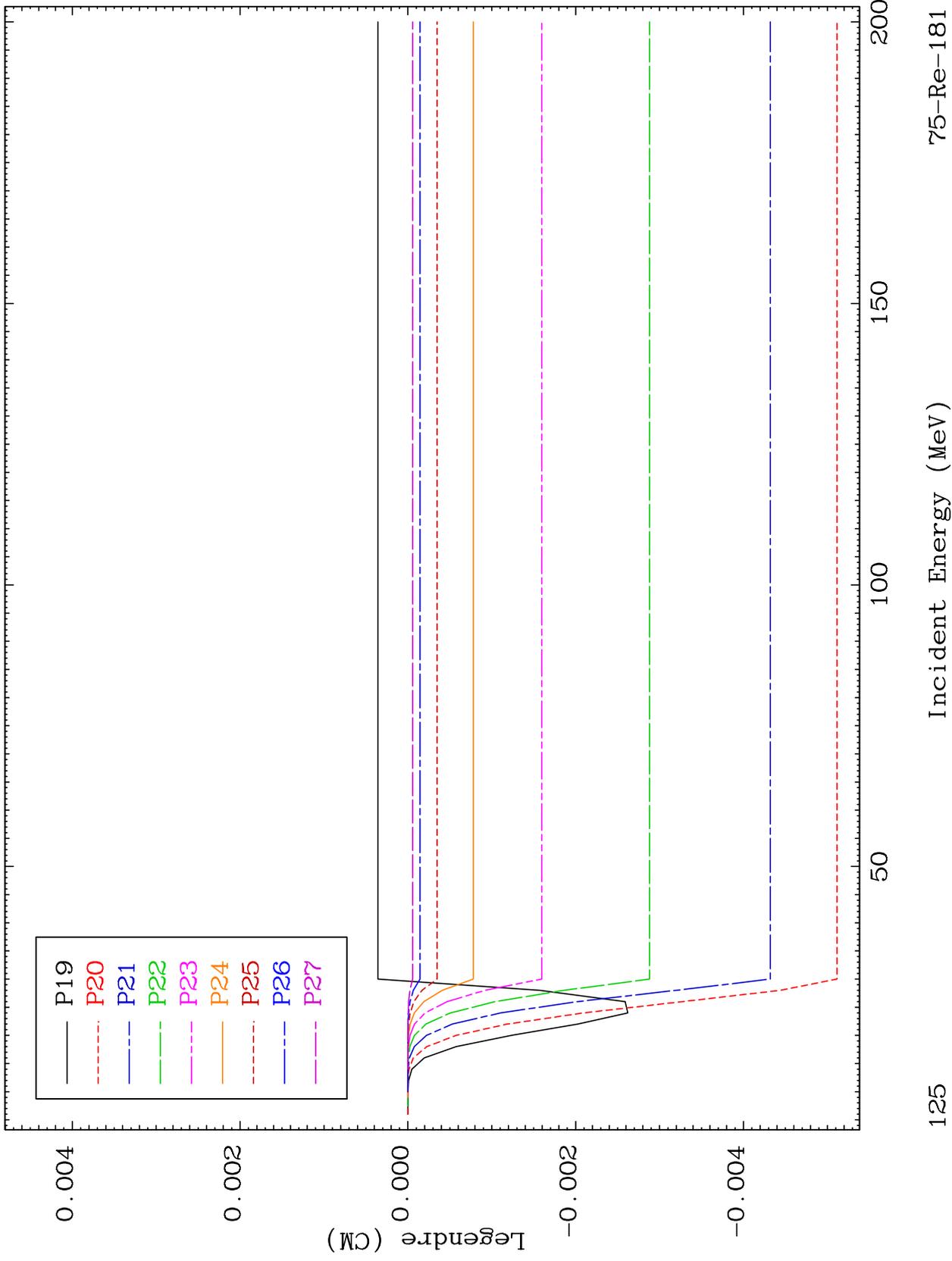
Incident Energy (MeV)

75-Re-181

MAT 7513

MT= 77 (n,n') Level
Legendre Coefficients

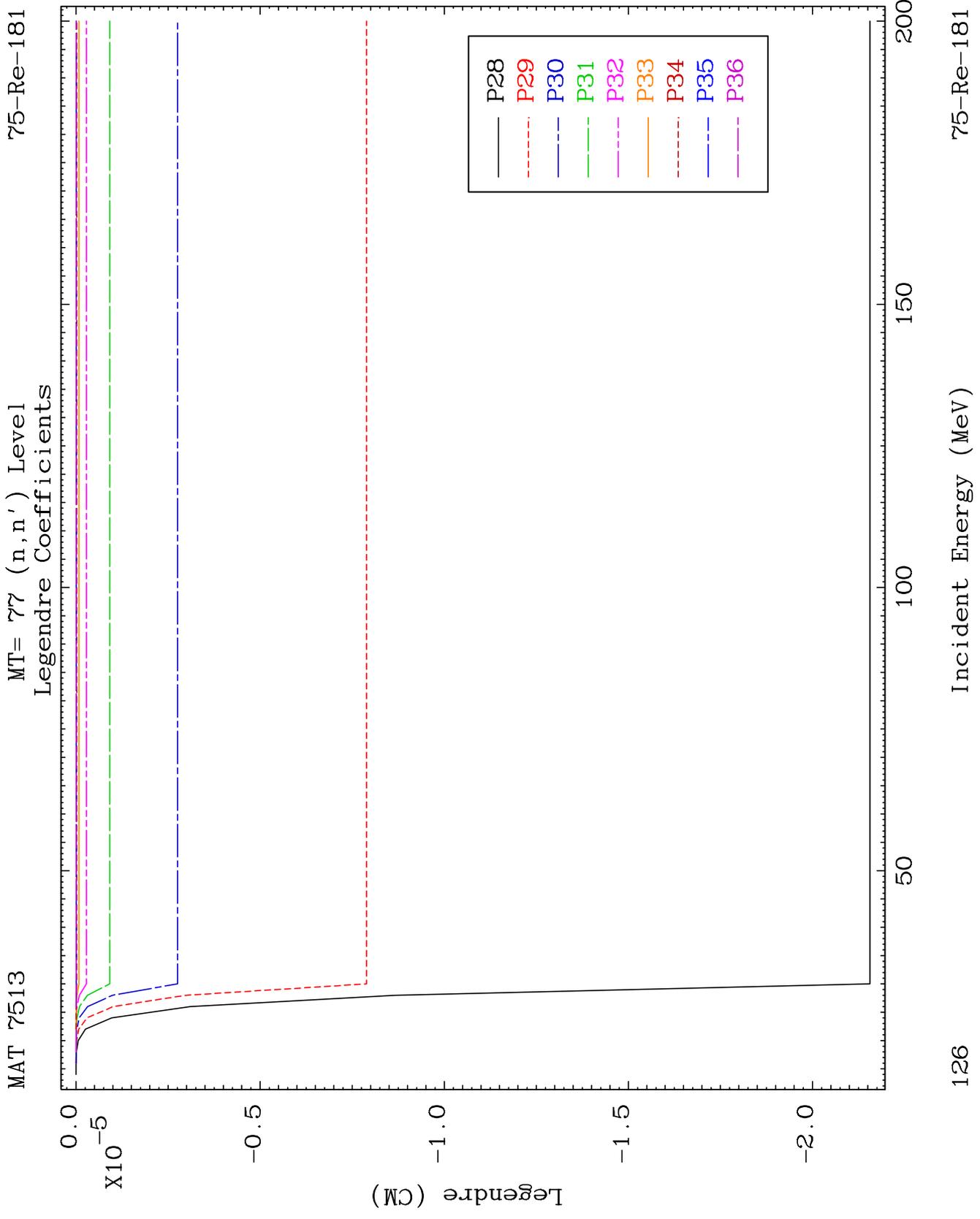
75-Re-181



125

Incident Energy (MeV)

75-Re-181

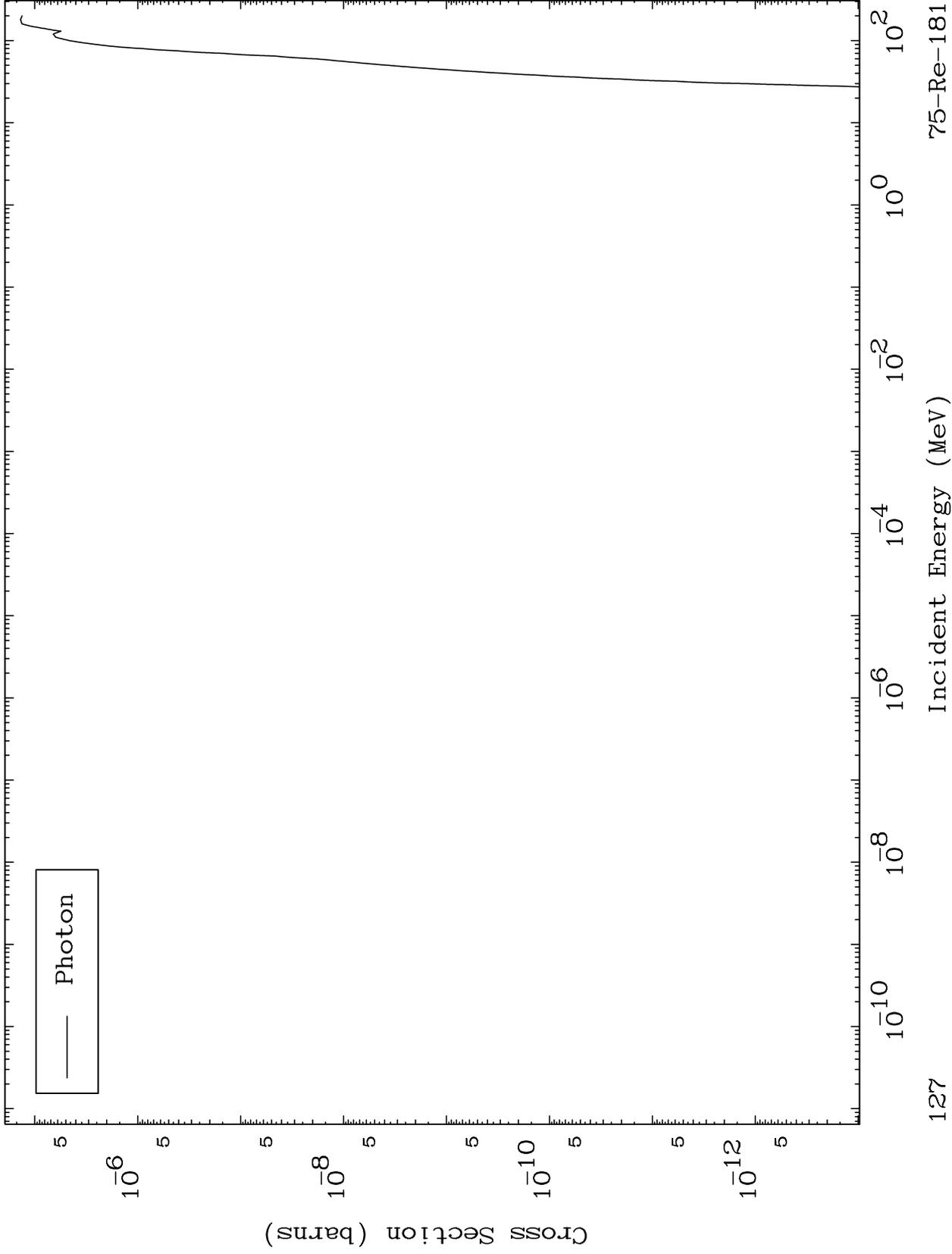


MAT 7513

Fission

⁷⁵Re-181

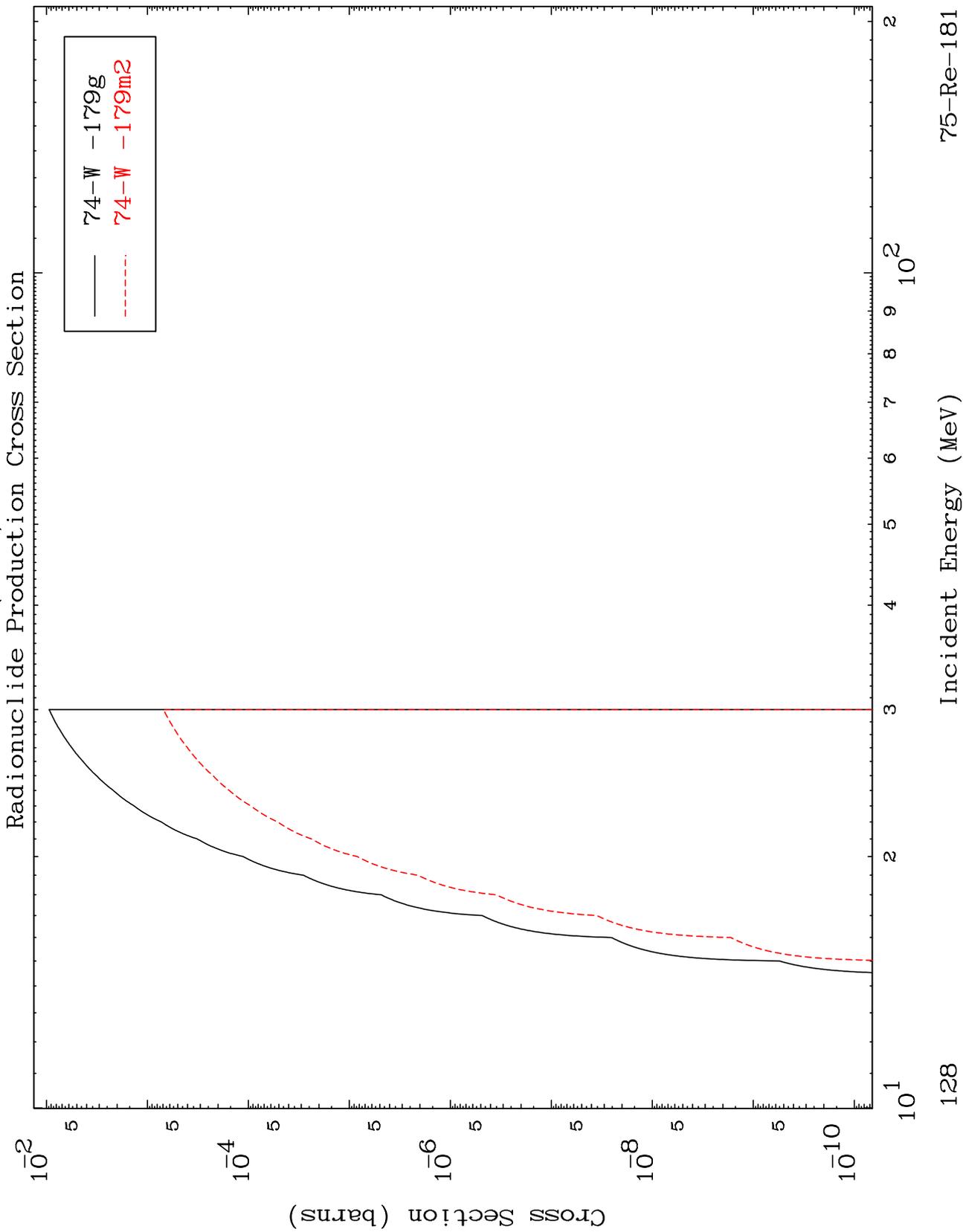
Radionuclide Production Cross Section



MAT 7513

(n,n') d

75-Re-181

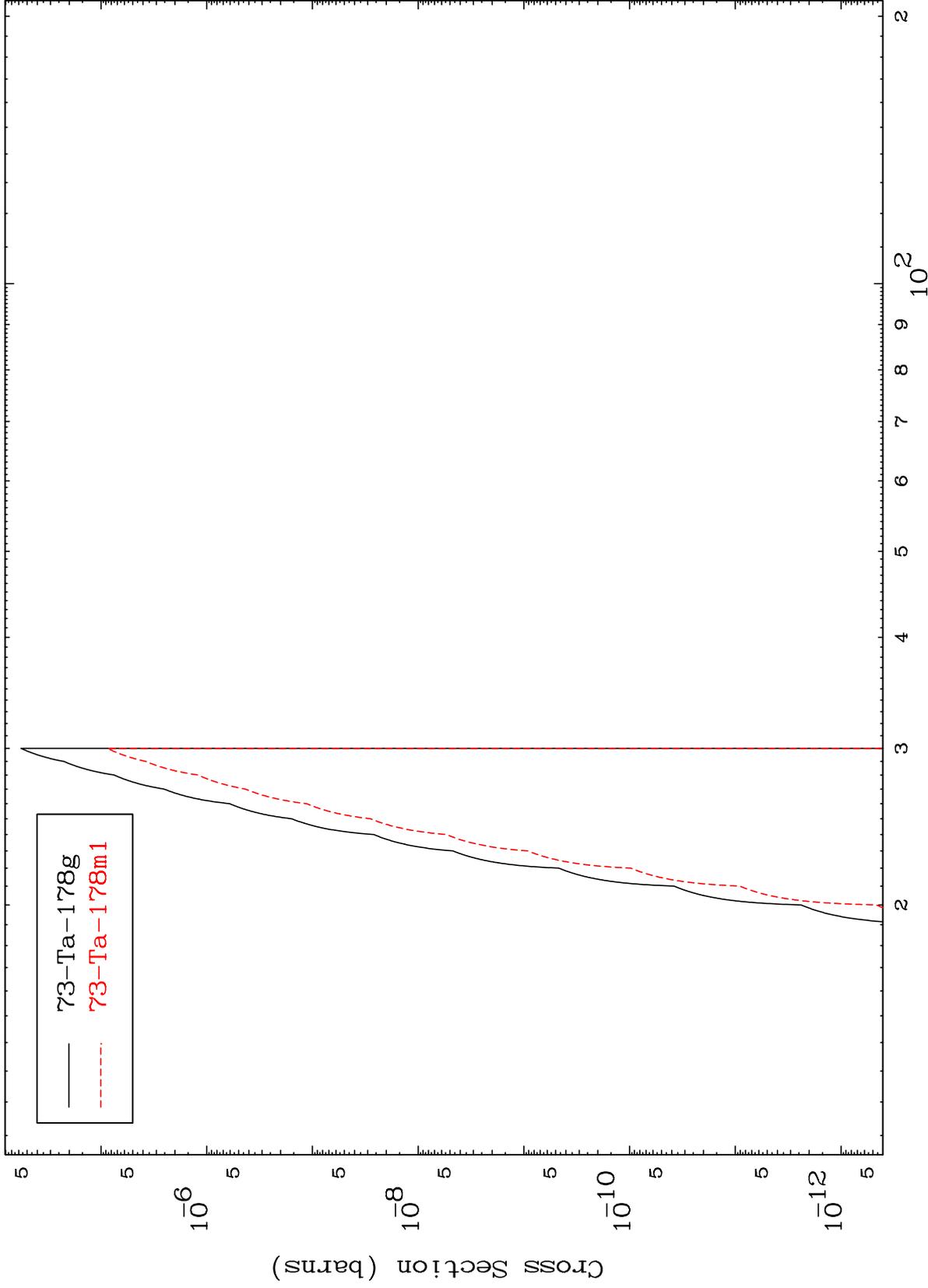


128

Incident Energy (MeV)

75-Re-181

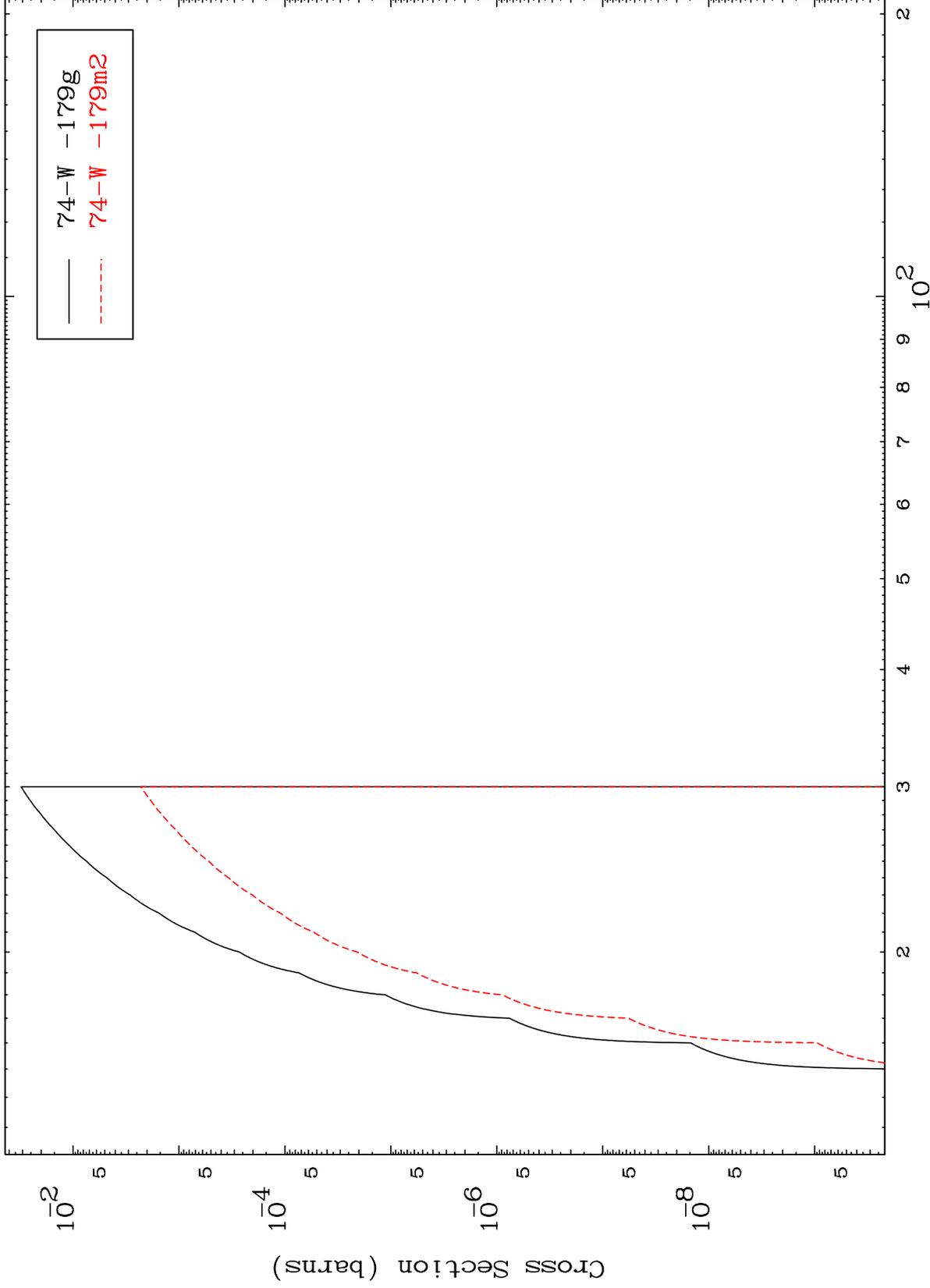
Radionuclide Production Cross Section



MAT 7513

75-Re-181

(n,2n) p
Radionuclide Production Cross Section



130

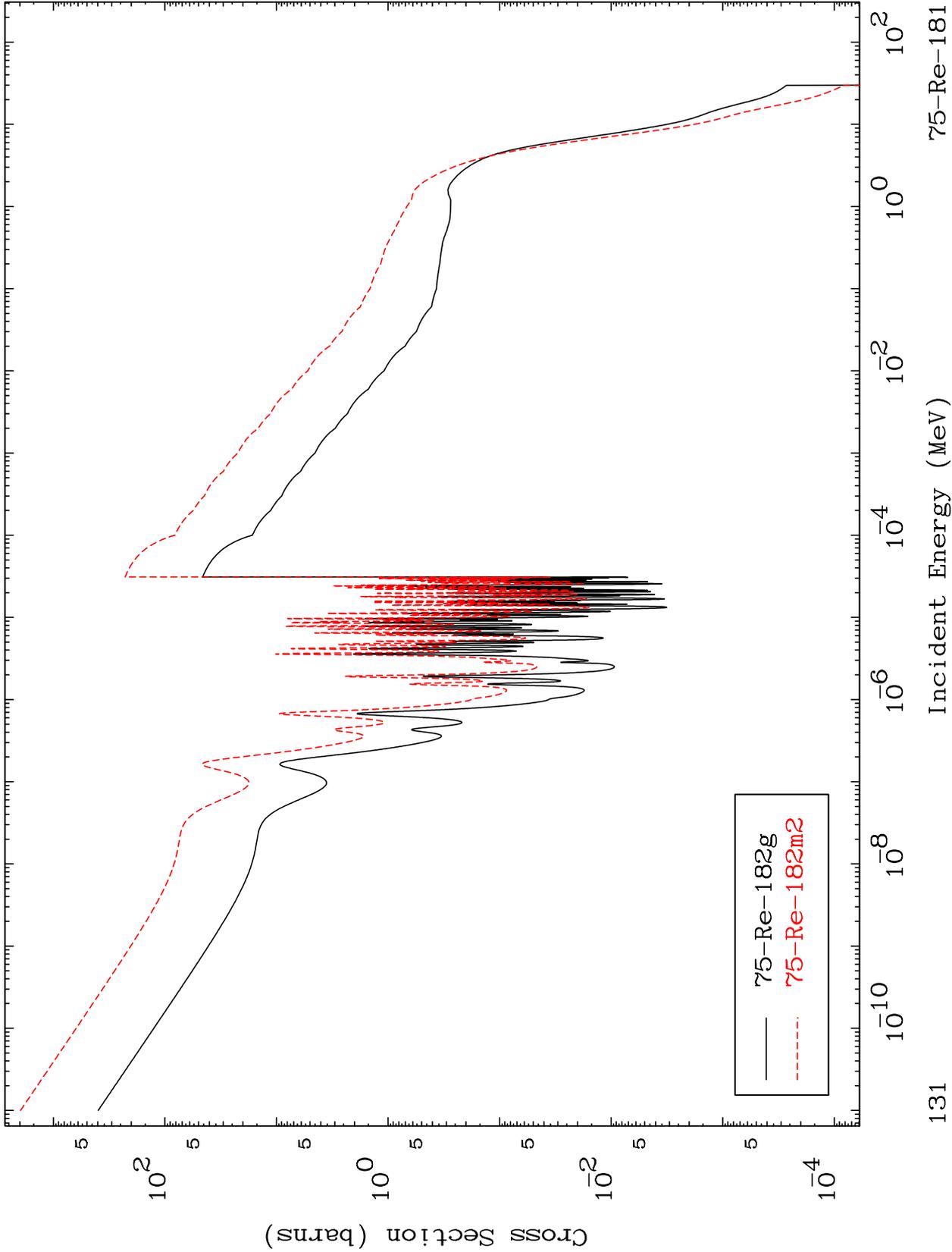
Incident Energy (MeV)

75-Re-181

MAT 7513

75-Re-181

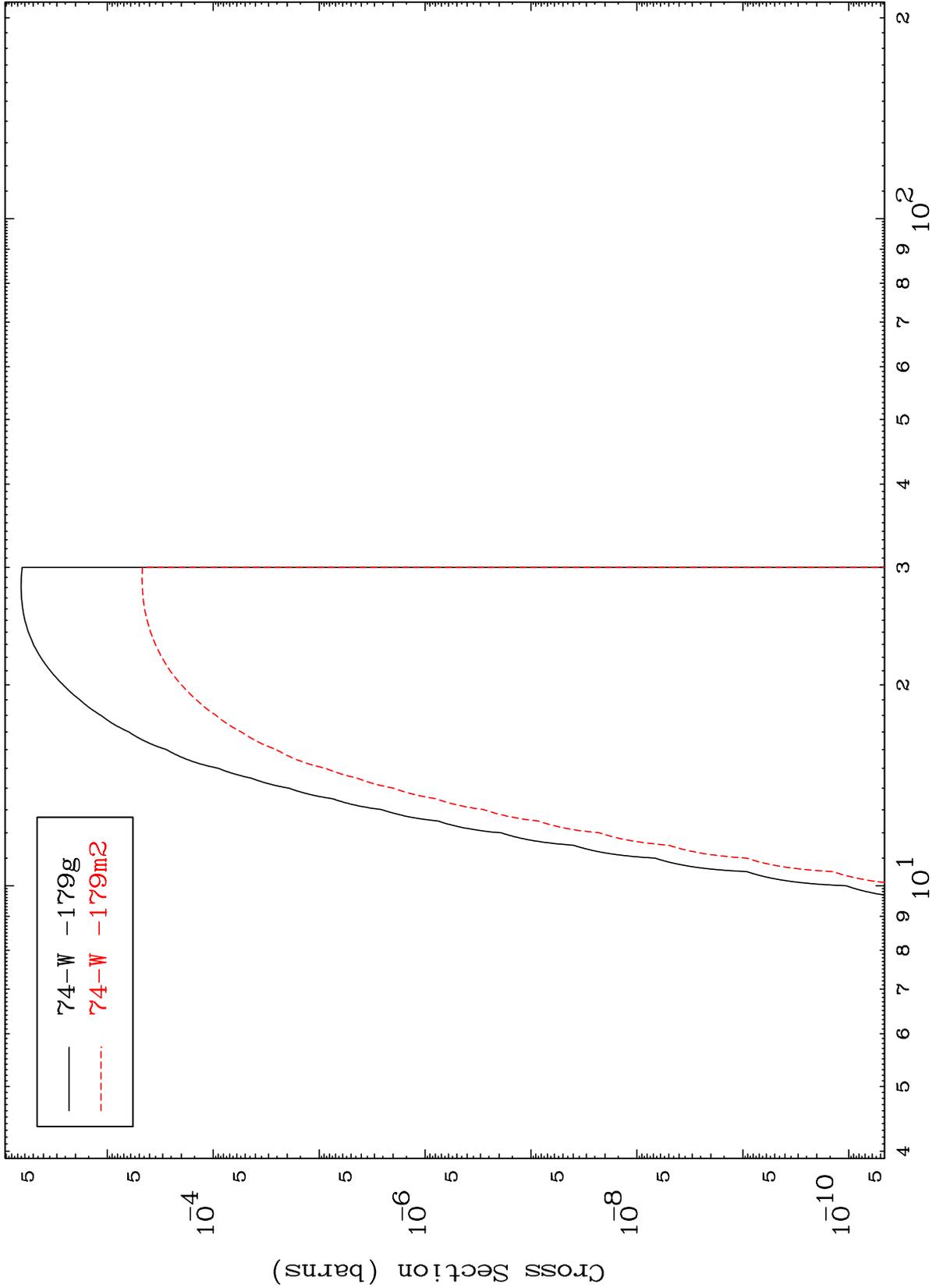
(n, γ)
Radionuclide Production Cross Section



MAT 7513

75-Re-181

(n, t)
Radionuclide Production Cross Section



132

75-Re-181

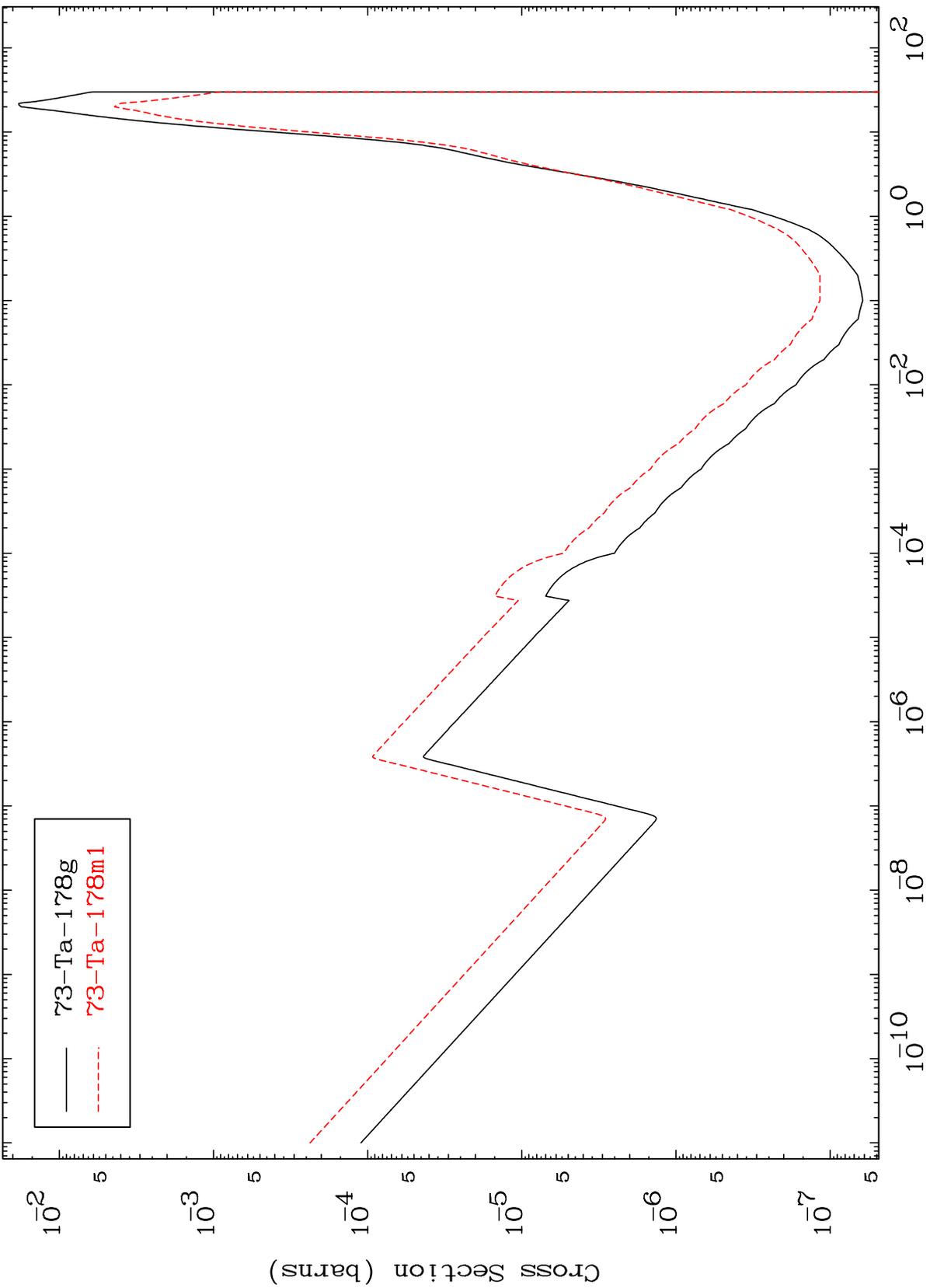
Incident Energy (MeV)

MAT 7513

(n, α)

⁷⁵Re-181

Radionuclide Production Cross Section

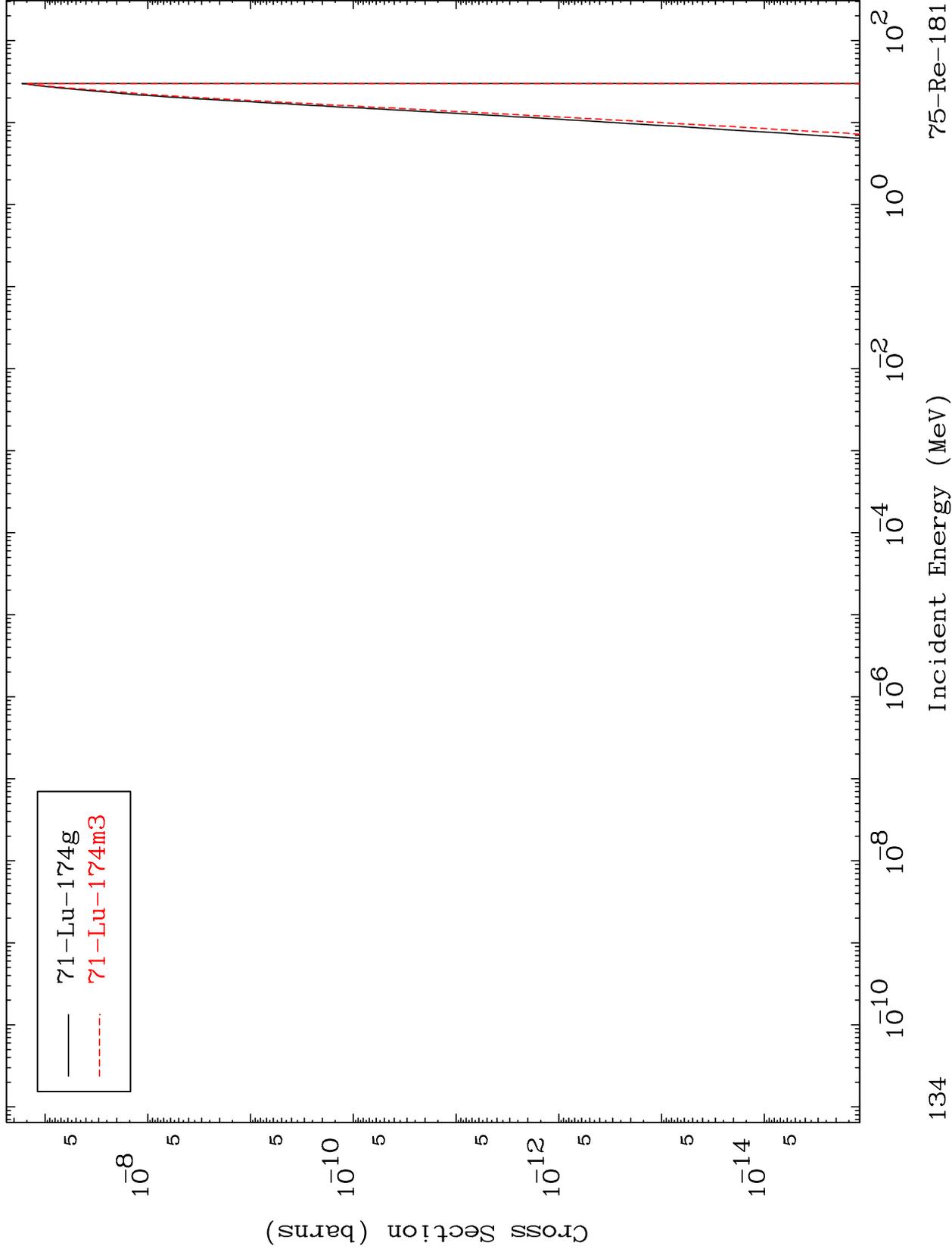


MAT 7513

(n,2α)

75-Re-181

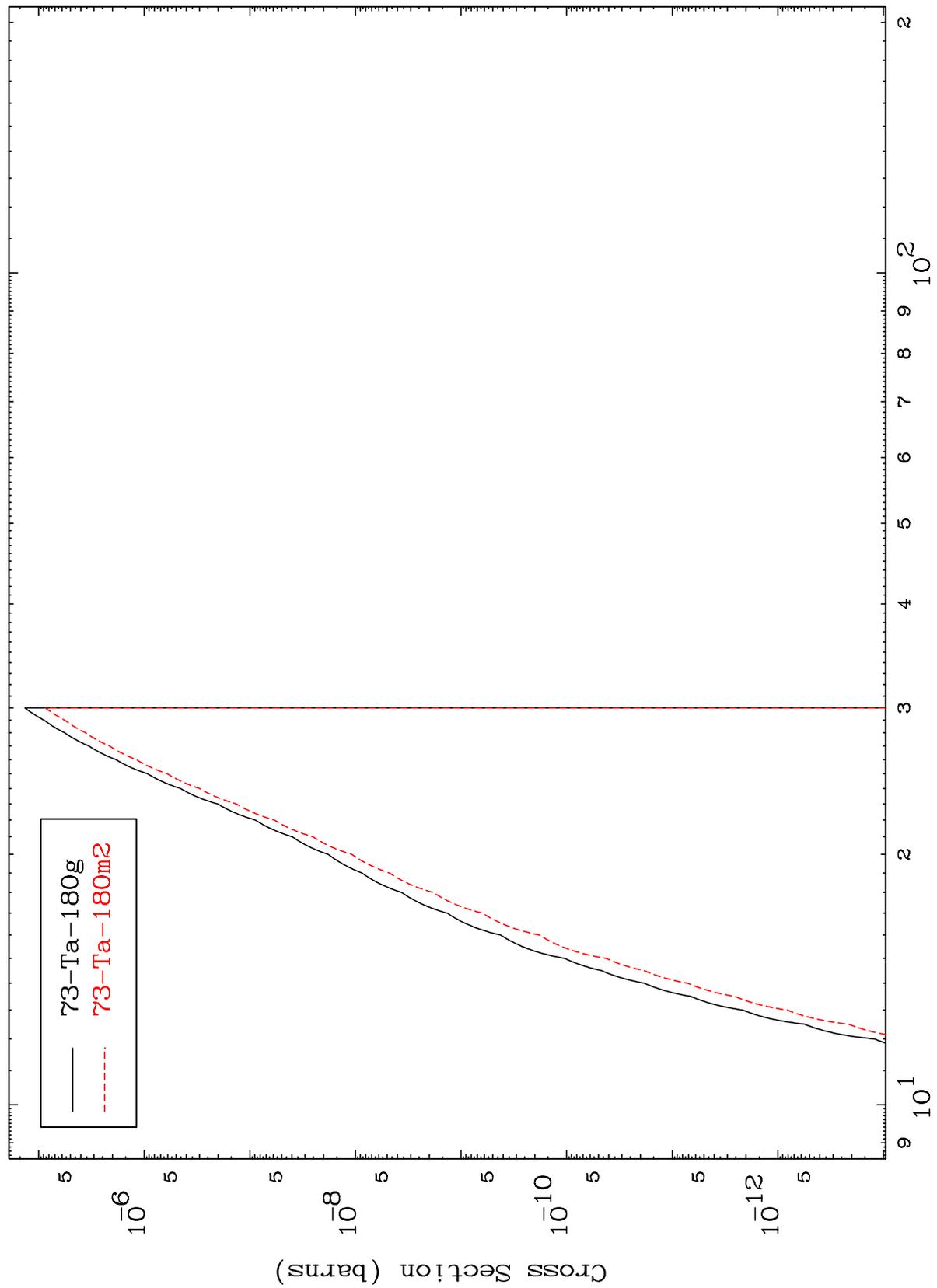
Radionuclide Production Cross Section



MAT 7513

75-Re-181

(n,2p)
Radionuclide Production Cross Section



135

Incident Energy (MeV)

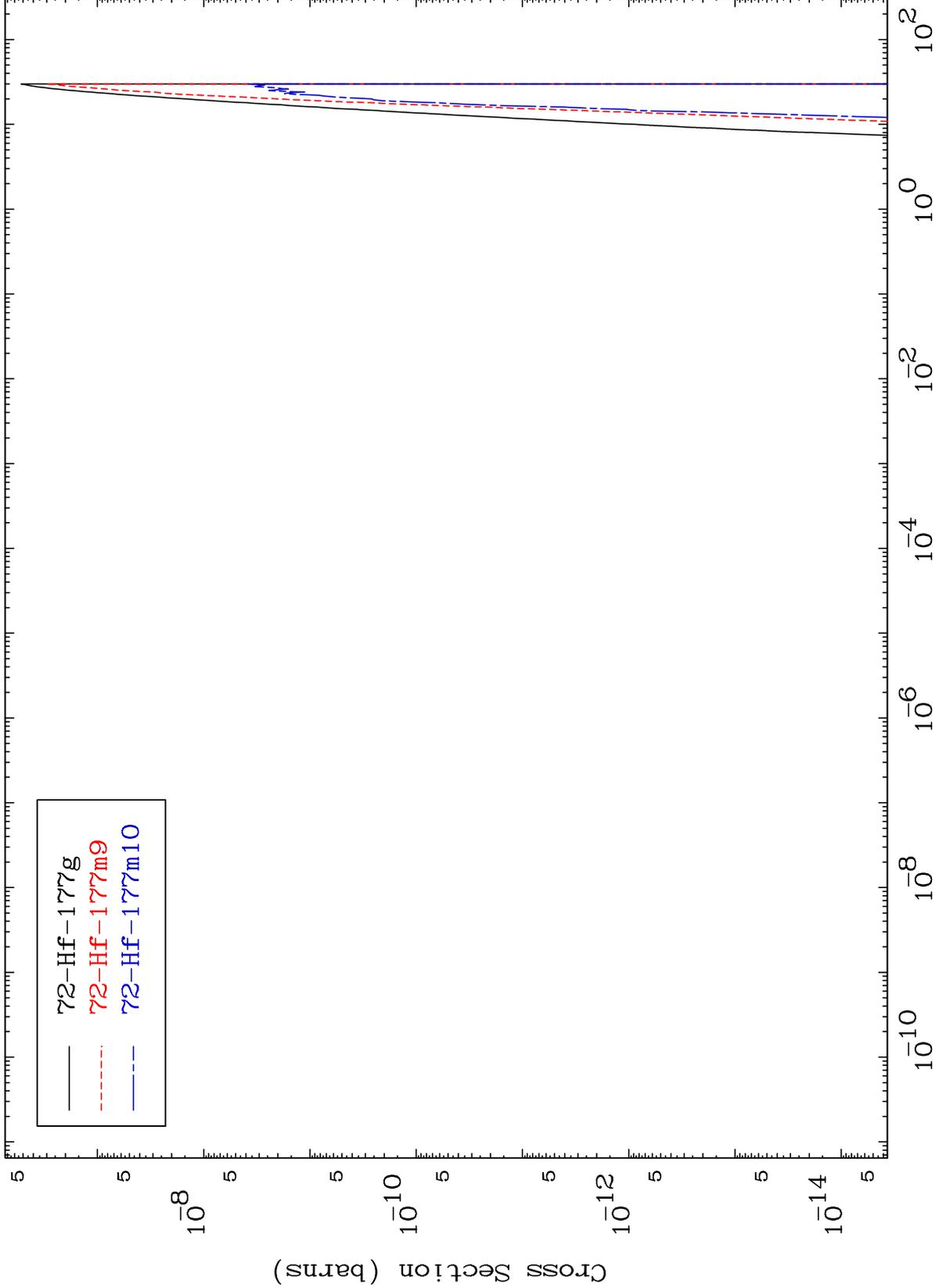
75-Re-181

MAT 7513

(n,p) α

⁷⁵Re-¹⁸¹

Radionuclide Production Cross Section



136

Incident Energy (MeV)

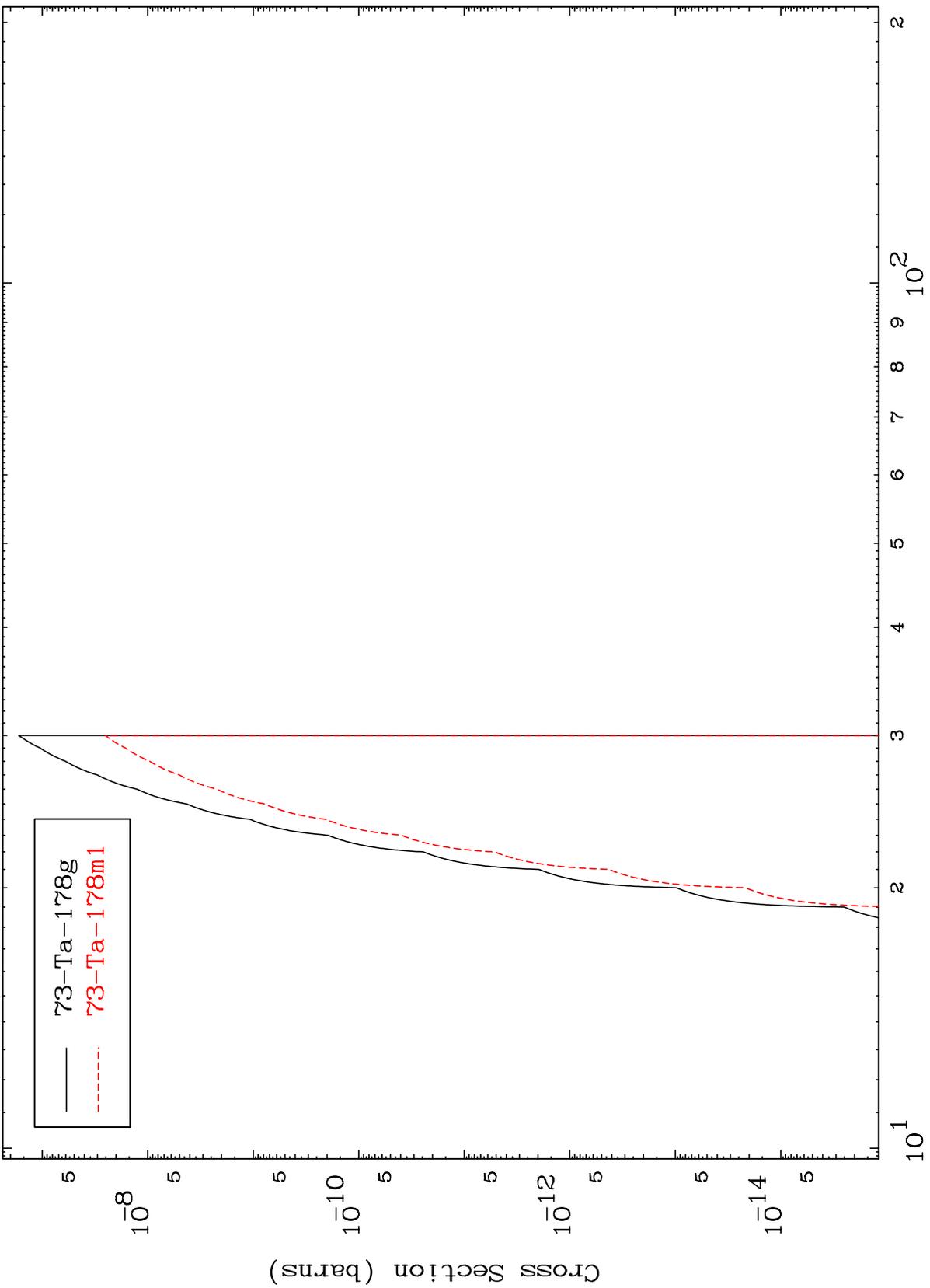
⁷⁵Re-¹⁸¹

MAT 7513

(n,p) t

75-Re-181

Radionuclide Production Cross Section



137

Incident Energy (MeV)

75-Re-181