

Program EVALPLOT
(Version 2021-1)

by

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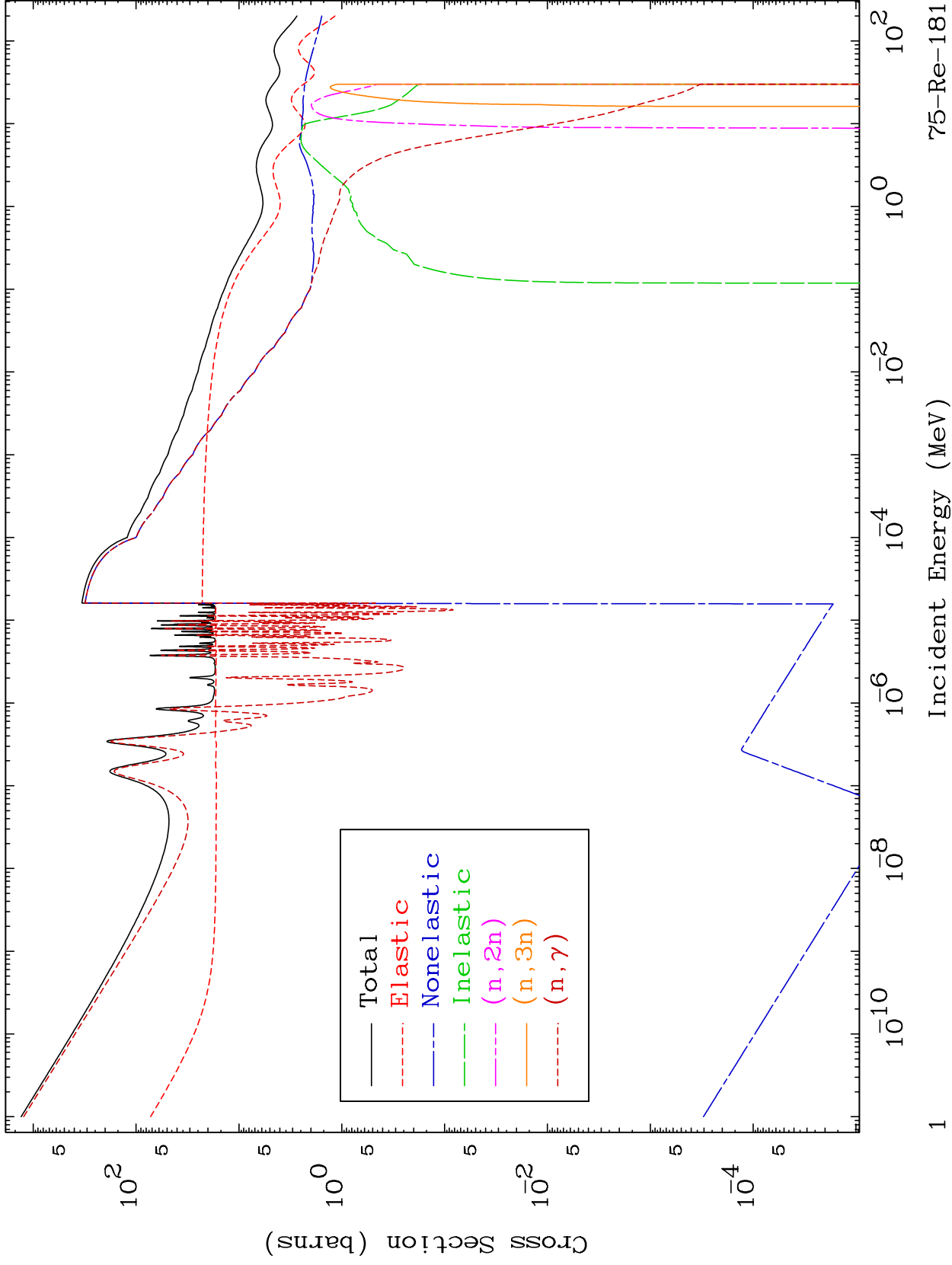
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Press Mouse Button to Start

MAT 7513

Neutron Major
293 Kelvin Cross Sections

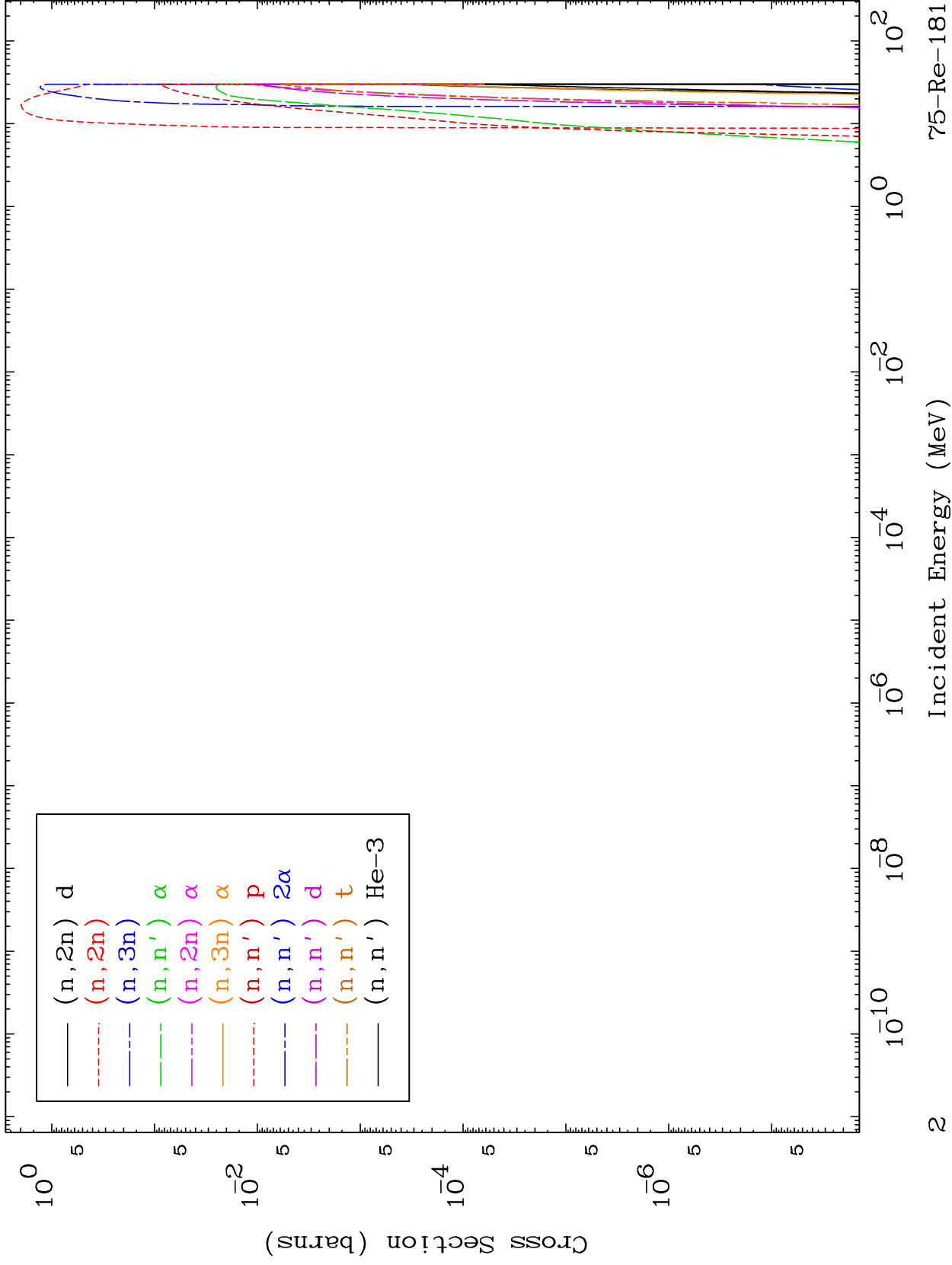
75-Re-181



MAT 7513

Neutron Absorption
293 Kelvin Cross Sections

75-Re-181



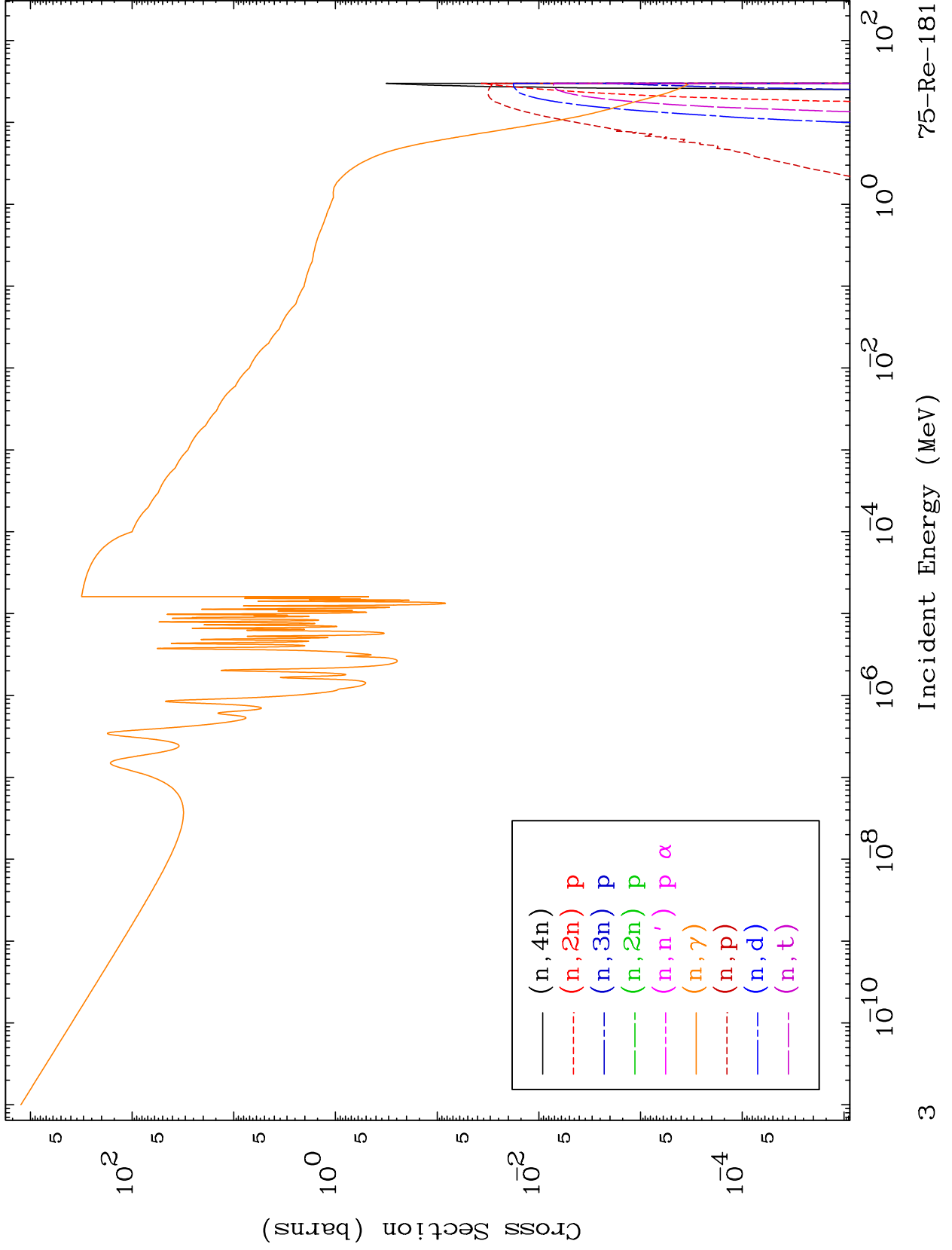
75-Re-181

Incident Energy (MeV)

MAT 7513

Neutron Absorption
293 Kelvin Cross Sections

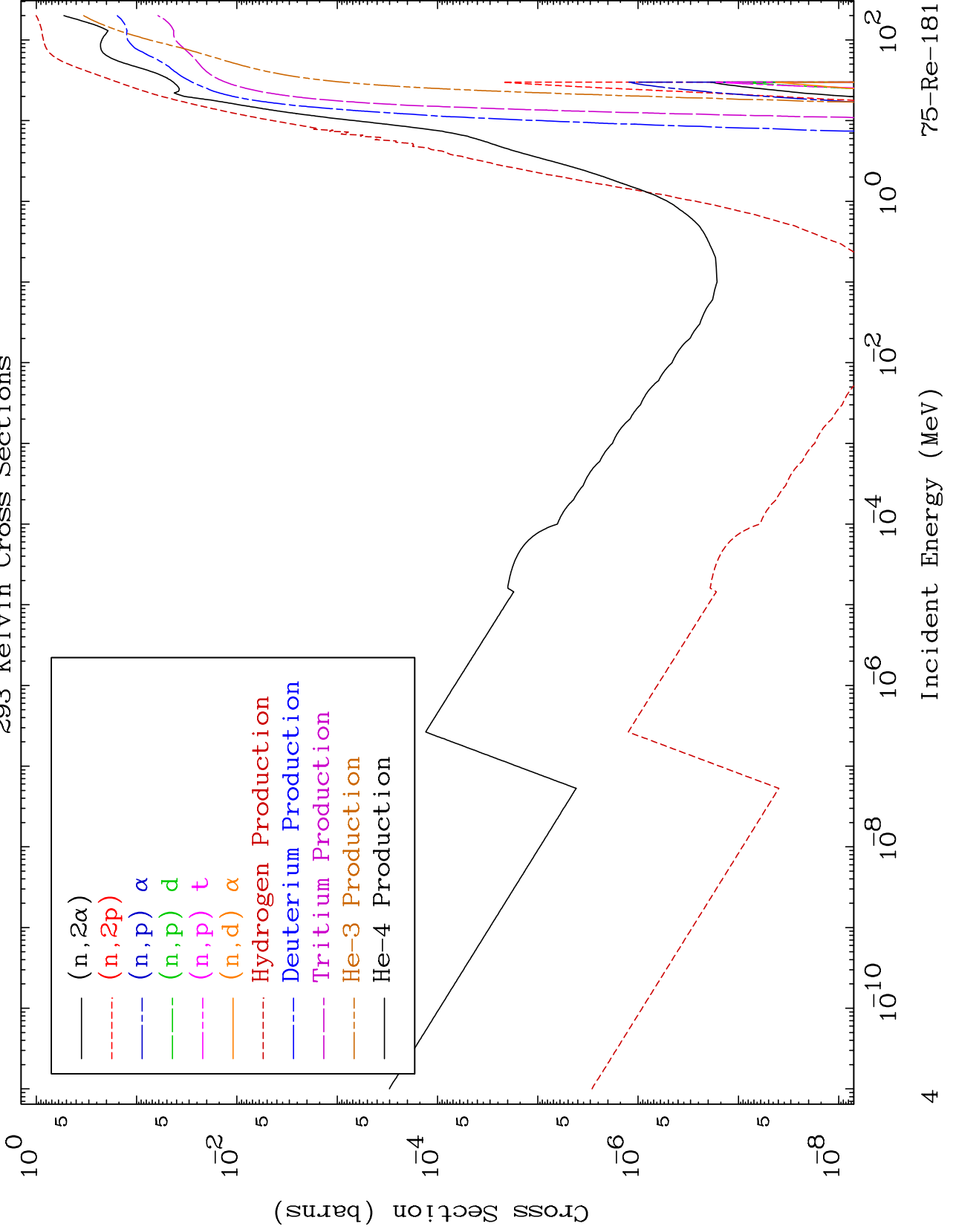
75-Re-181



MAT 7513

Neutron Absorption
293 Kelvin Cross Sections

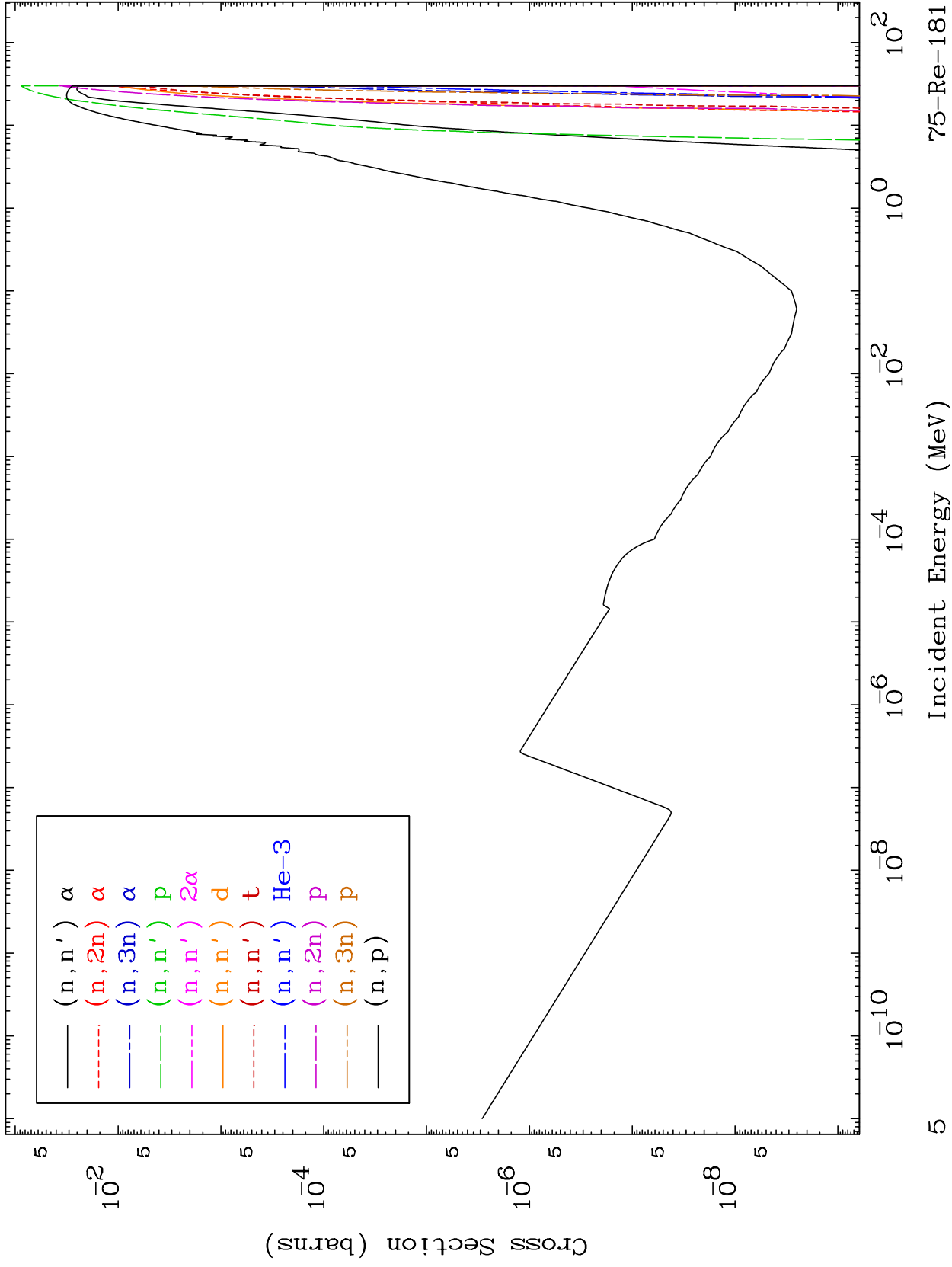
75-Re-181



MAT 7513

Charged Particle
293 Kelvin Cross Sections

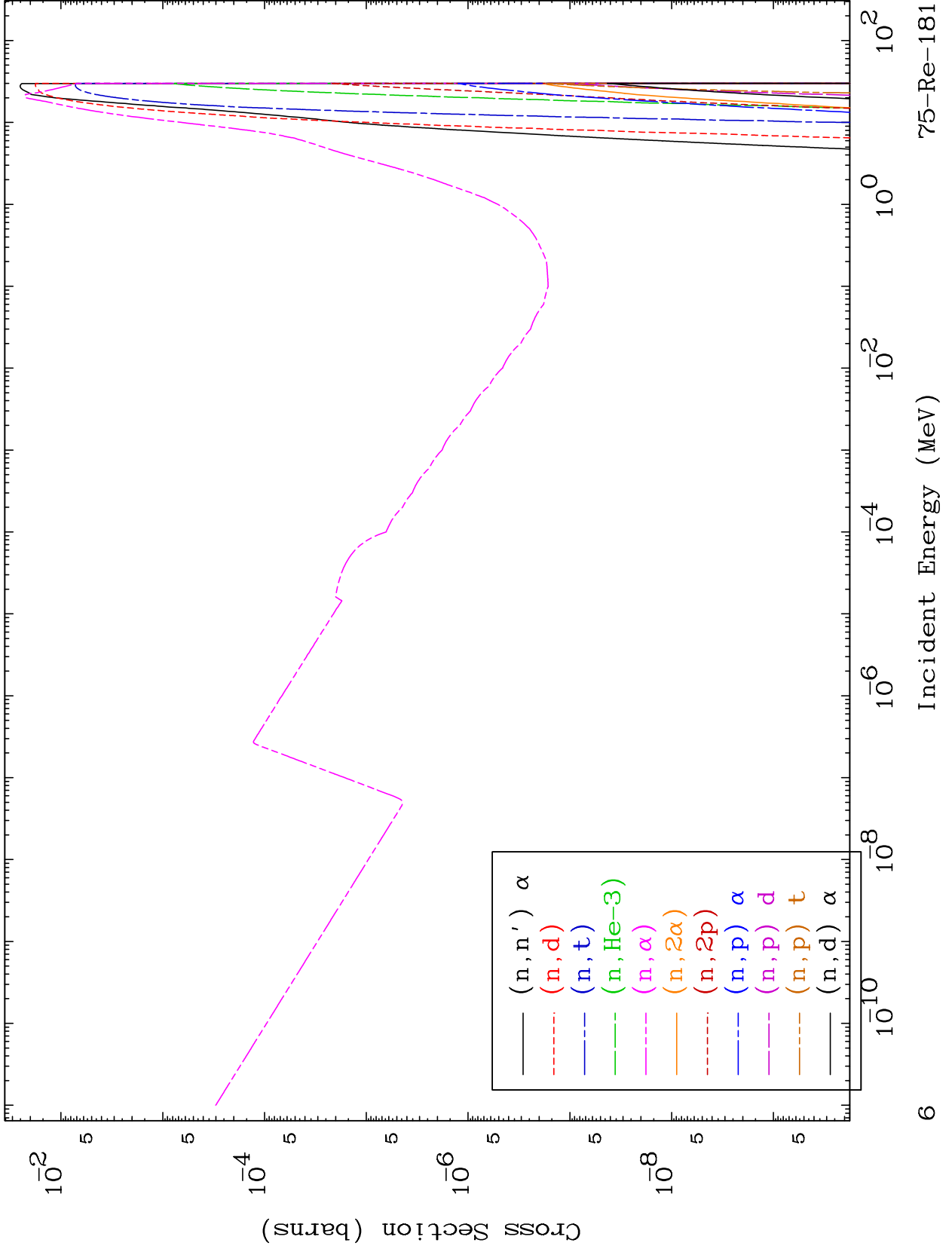
75-Re-181



MAT 7513

Charged Particle
293 Kelvin Cross Sections

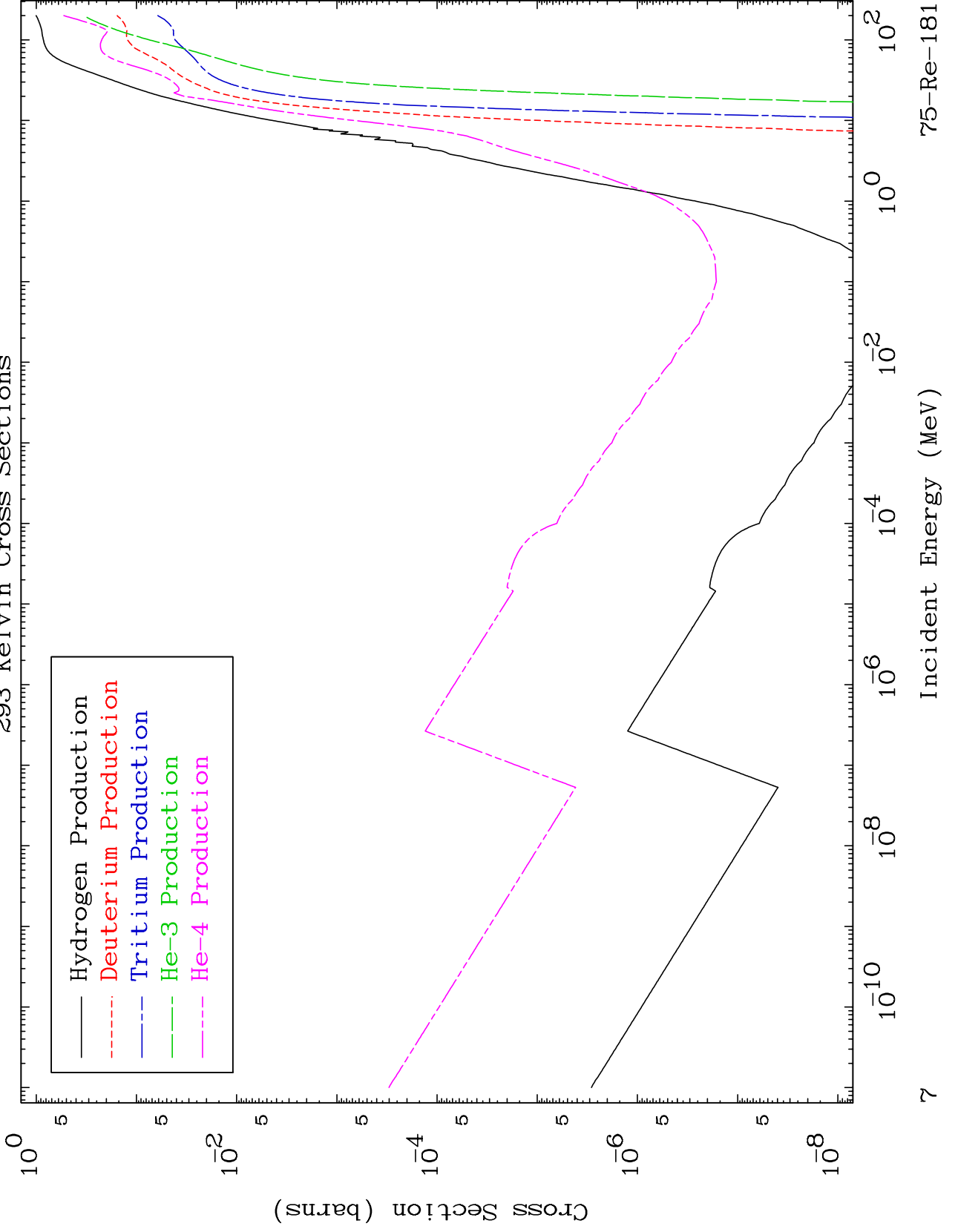
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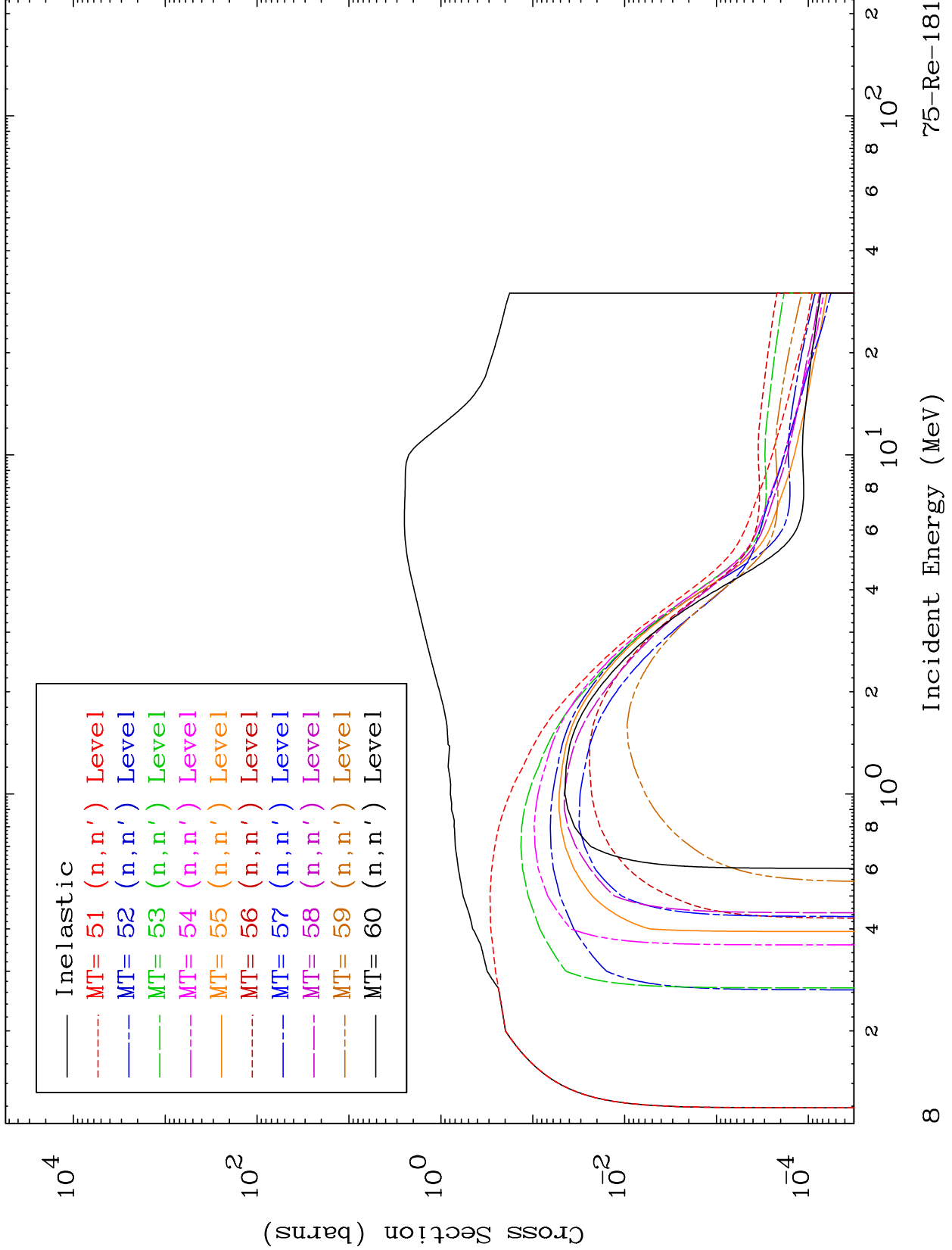


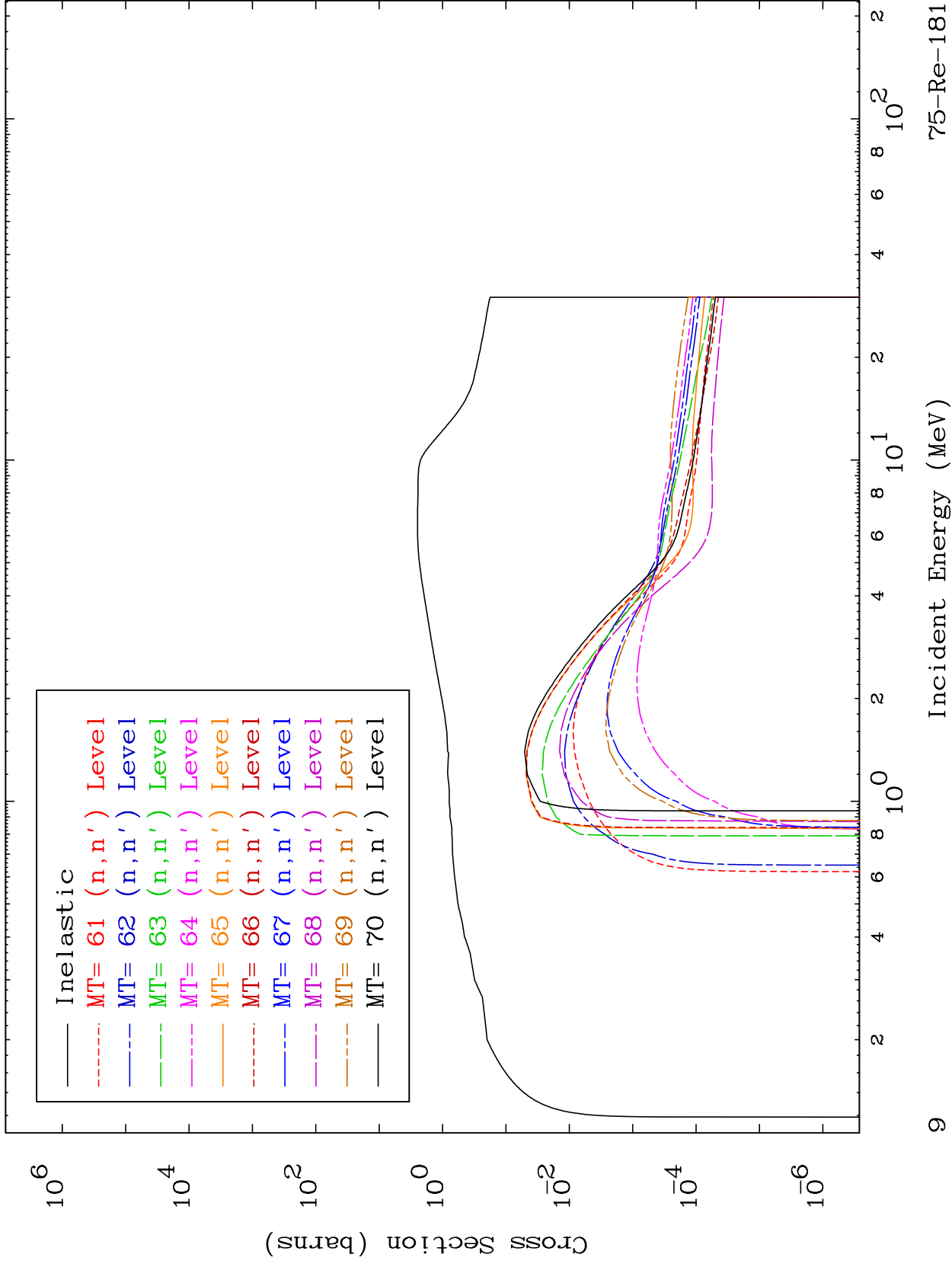
MAT 7513

Particle Production
293 Kelvin Cross Sections

75-Re-181





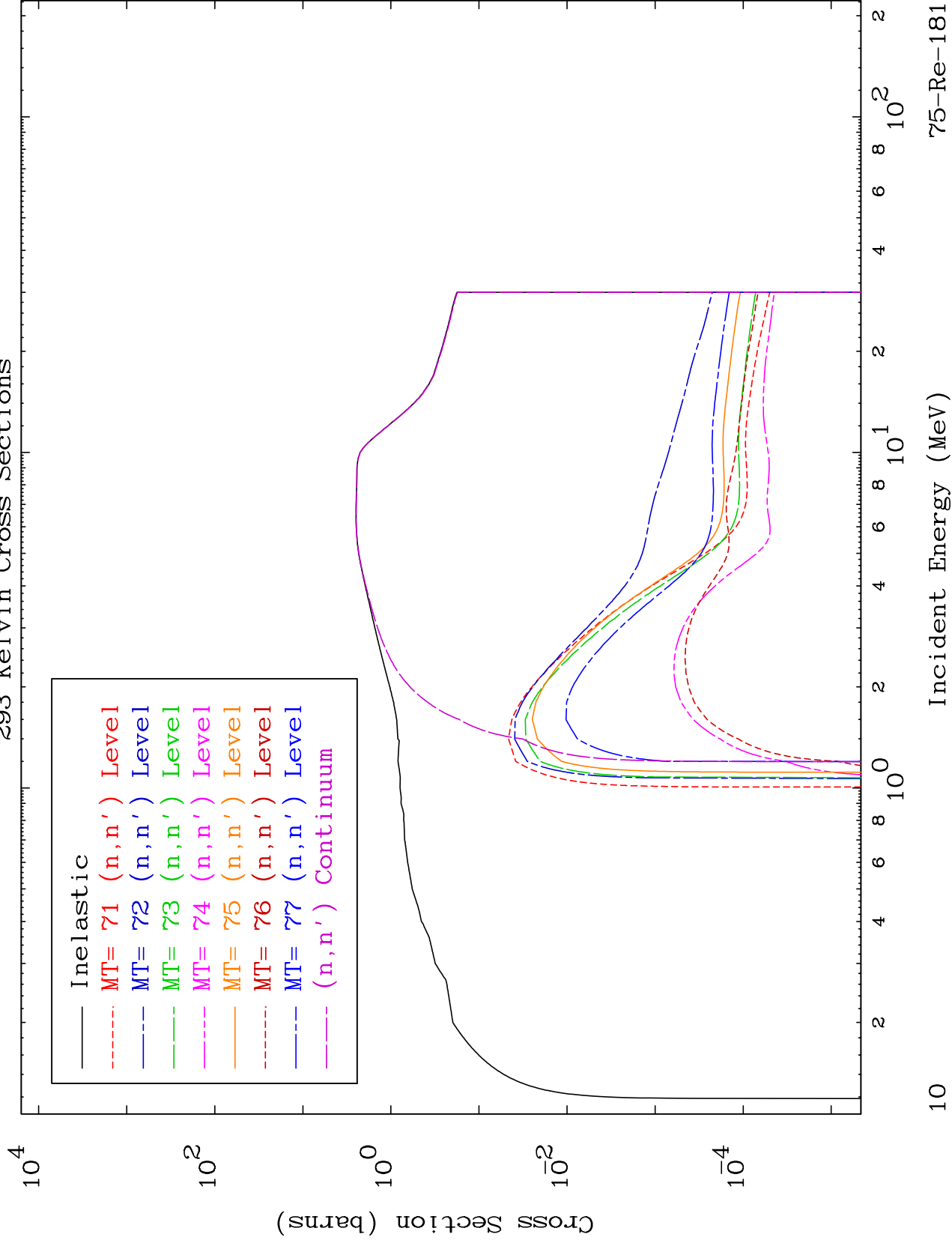


MAT 7513

(n,n') Levels

75-Re-181

293 Kelvin Cross Sections



10

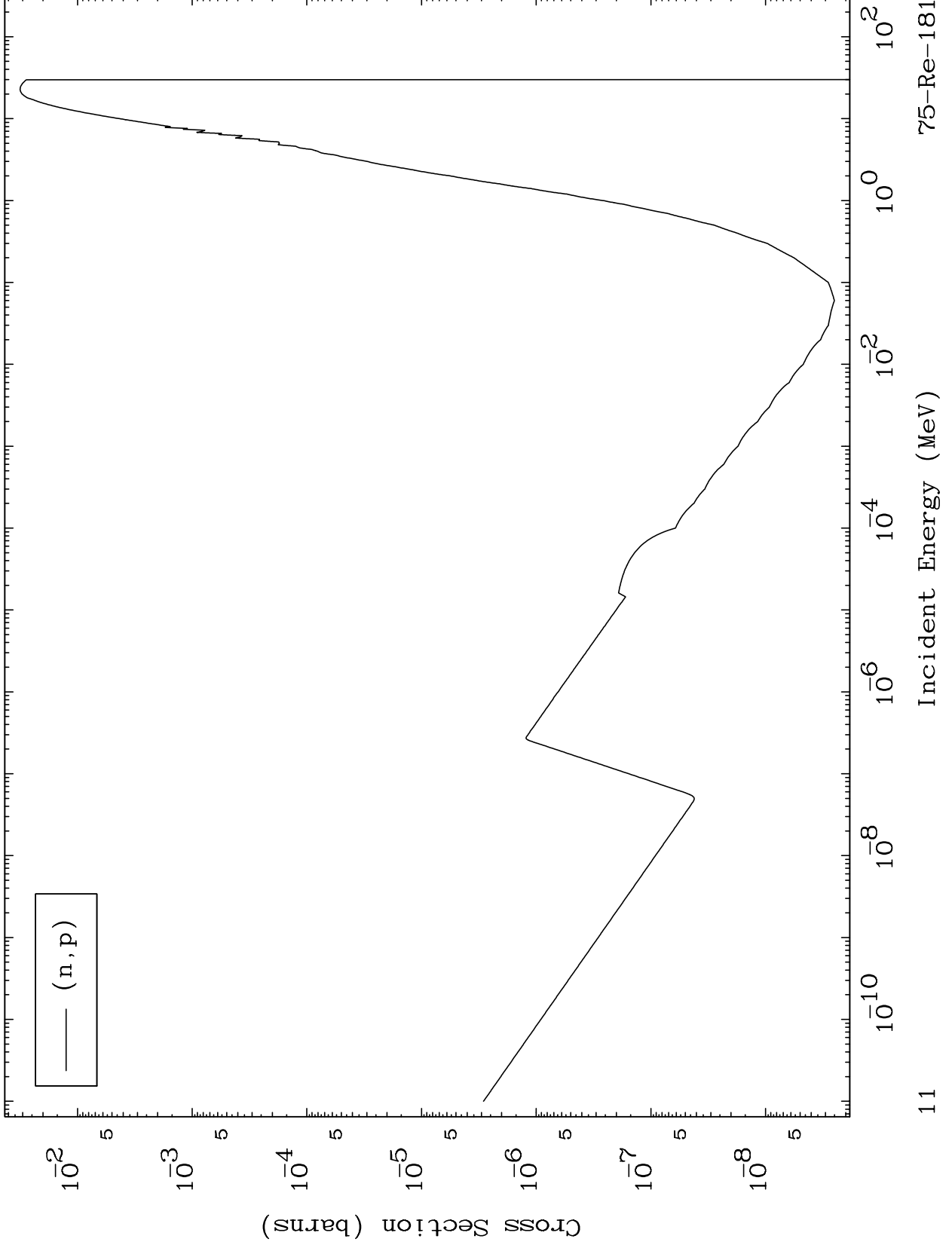
Incident Energy (MeV)

75-Re-181

MAT 7513

(n,p) Levels
293 Kelvin Cross Sections

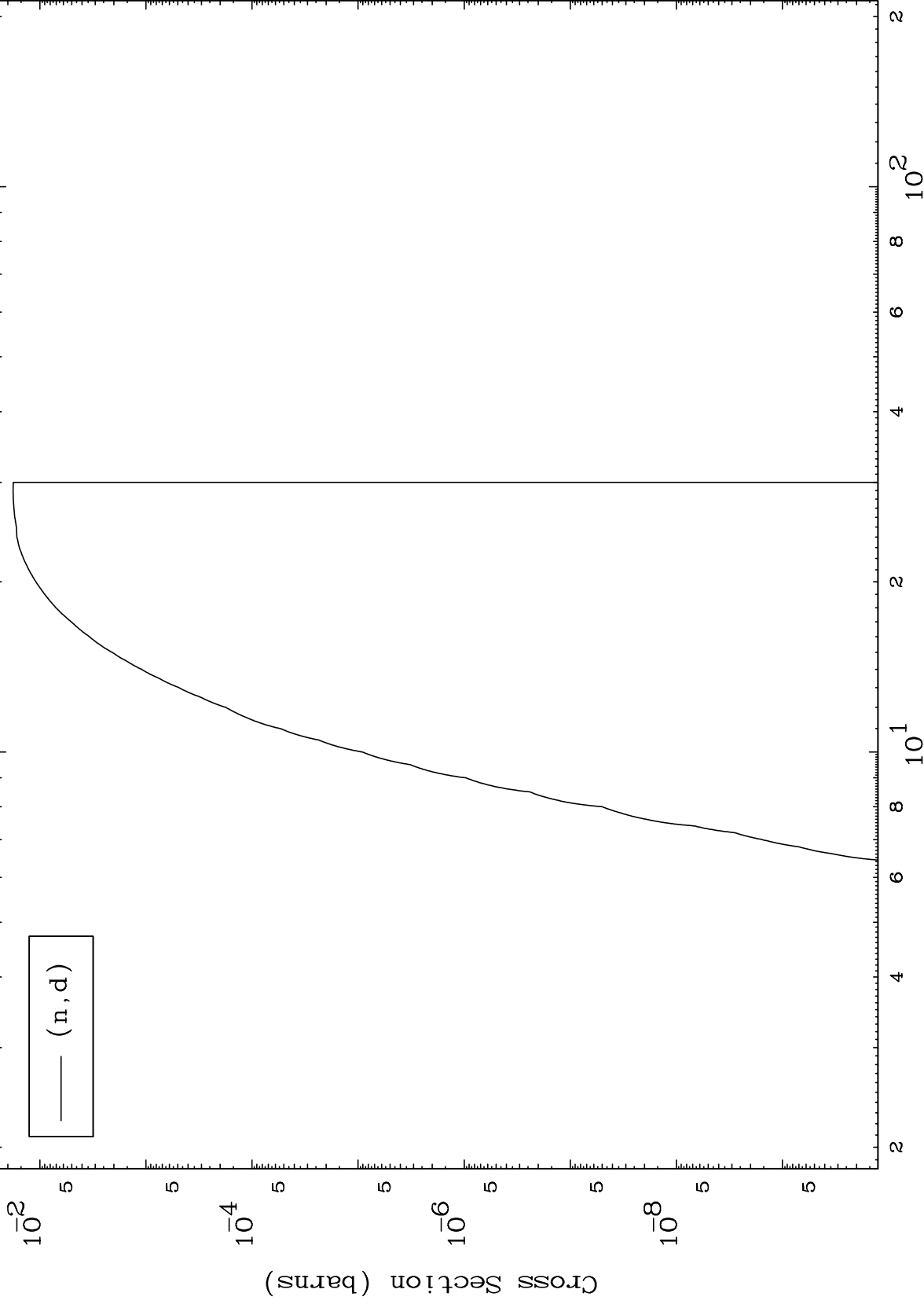
75-Re-181



MAT 7513

(n,d) Levels
293 Kelvin Cross Sections

75-Re-181



12

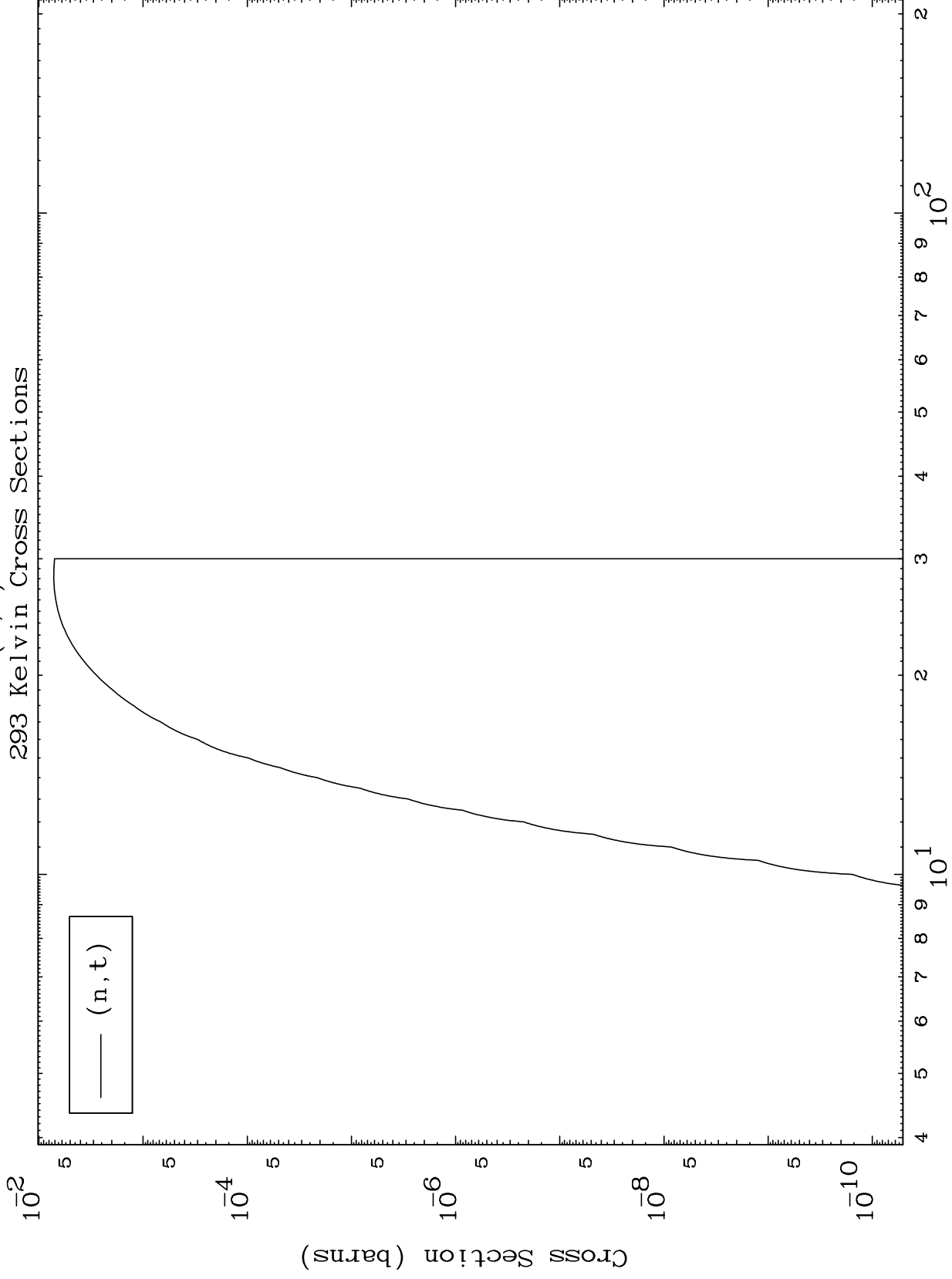
Incident Energy (MeV)

75-Re-181

MAT 7513

(n,t) Levels
293 Kelvin Cross Sections

75-Re-181



13

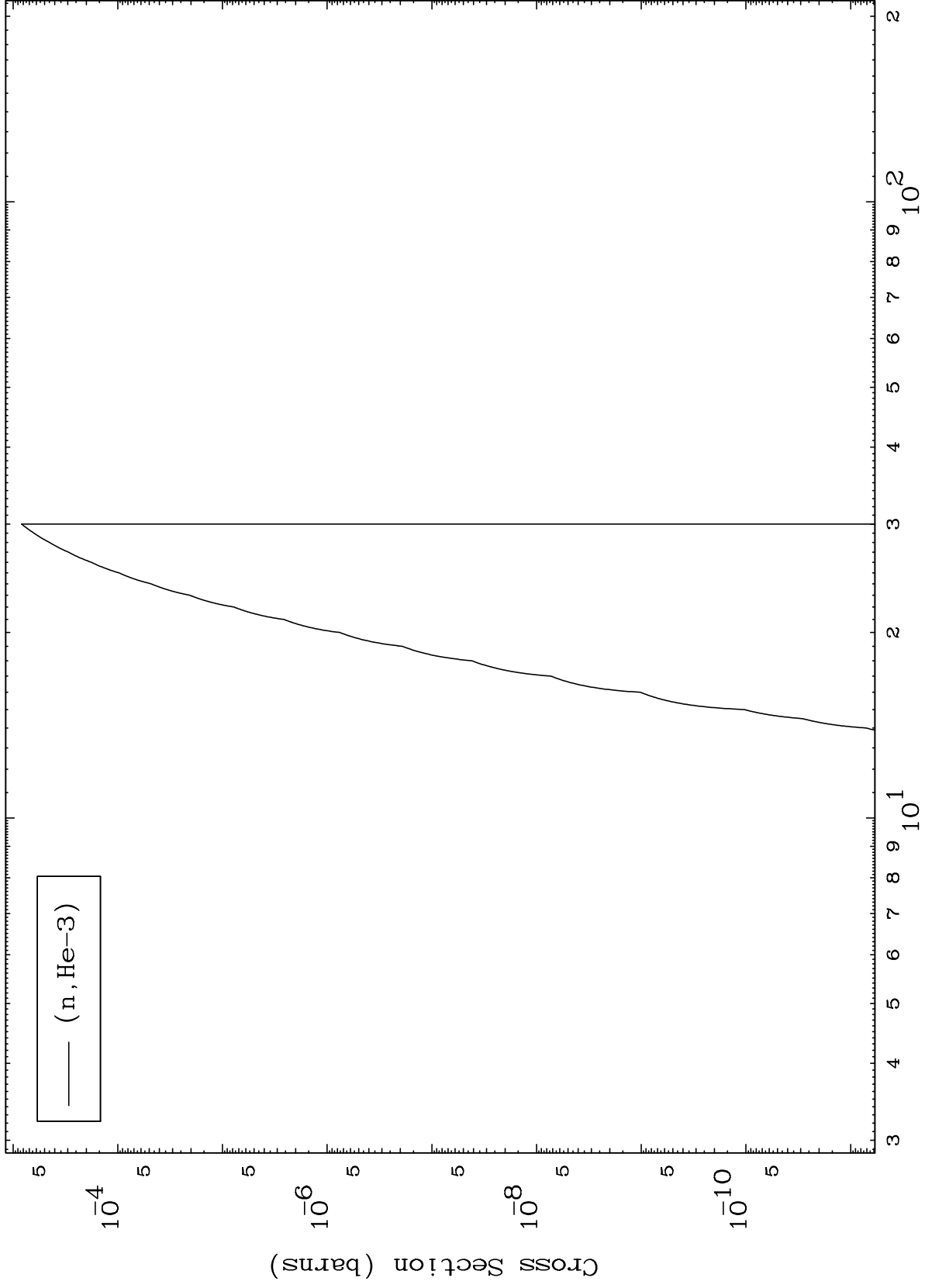
Incident Energy (MeV)

75-Re-181

MAT 7513

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-181



14

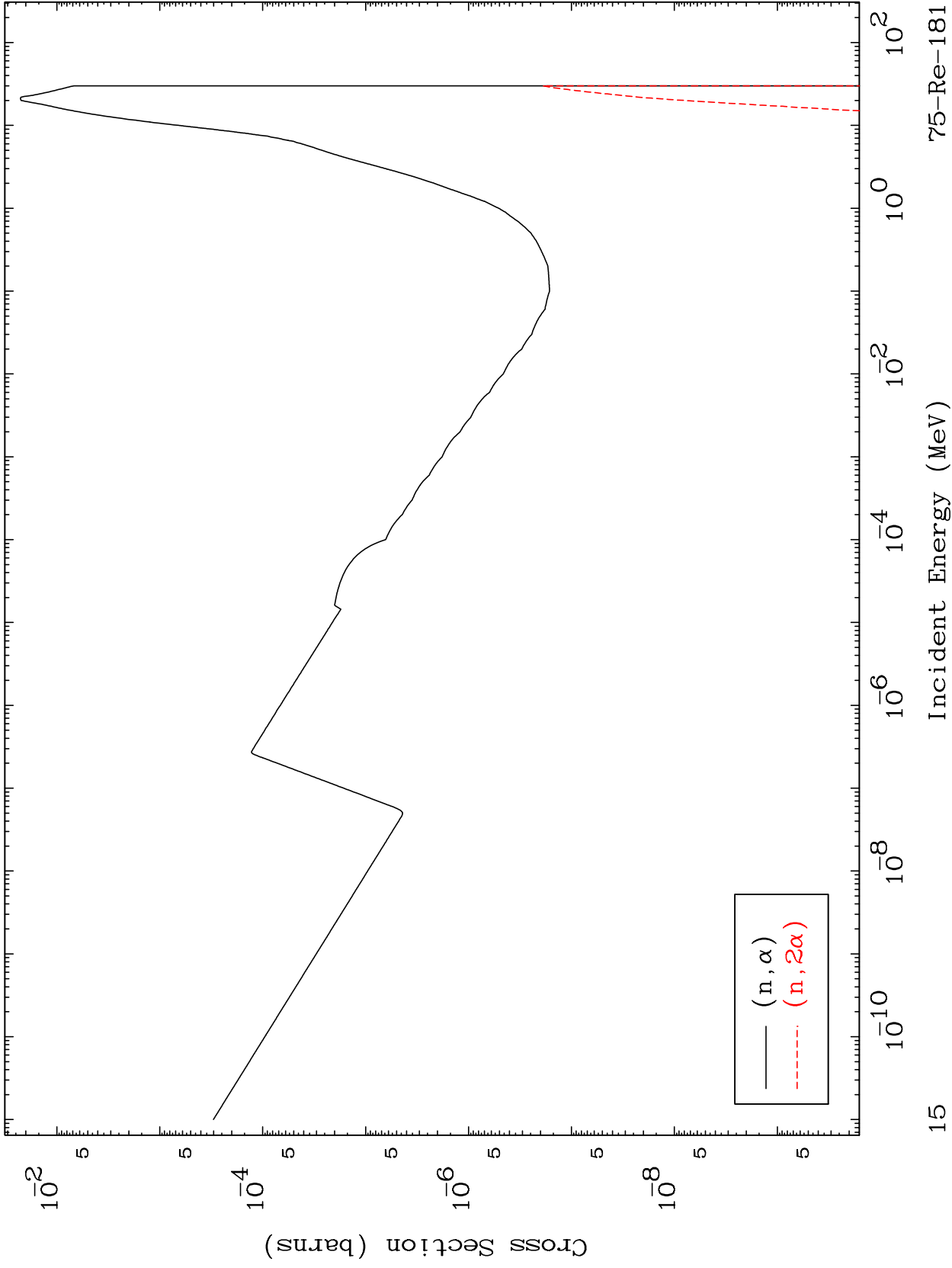
Incident Energy (MeV)

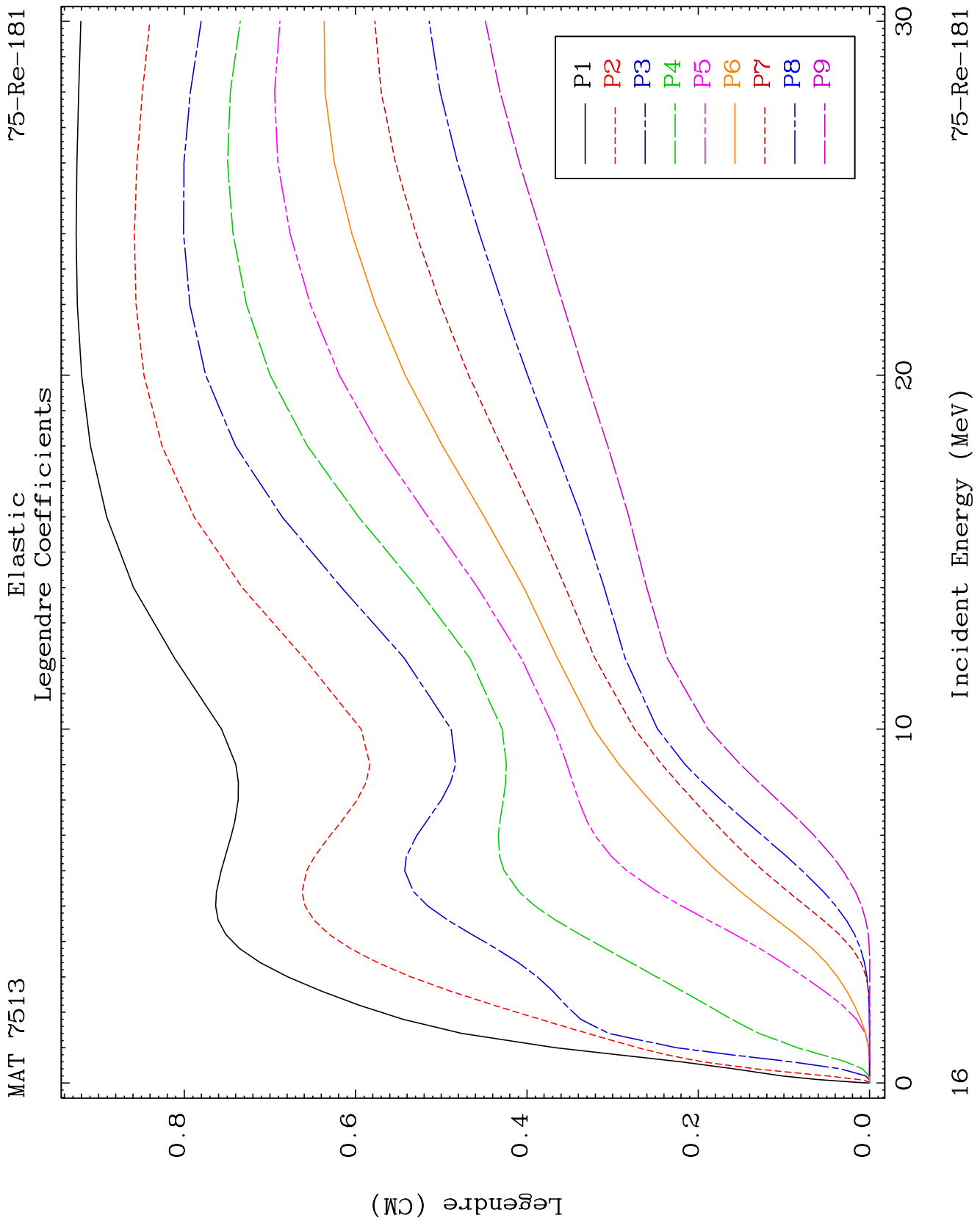
75-Re-181

MAT 7513

(n,α) Levels
293 Kelvin Cross Sections

75-Re-181

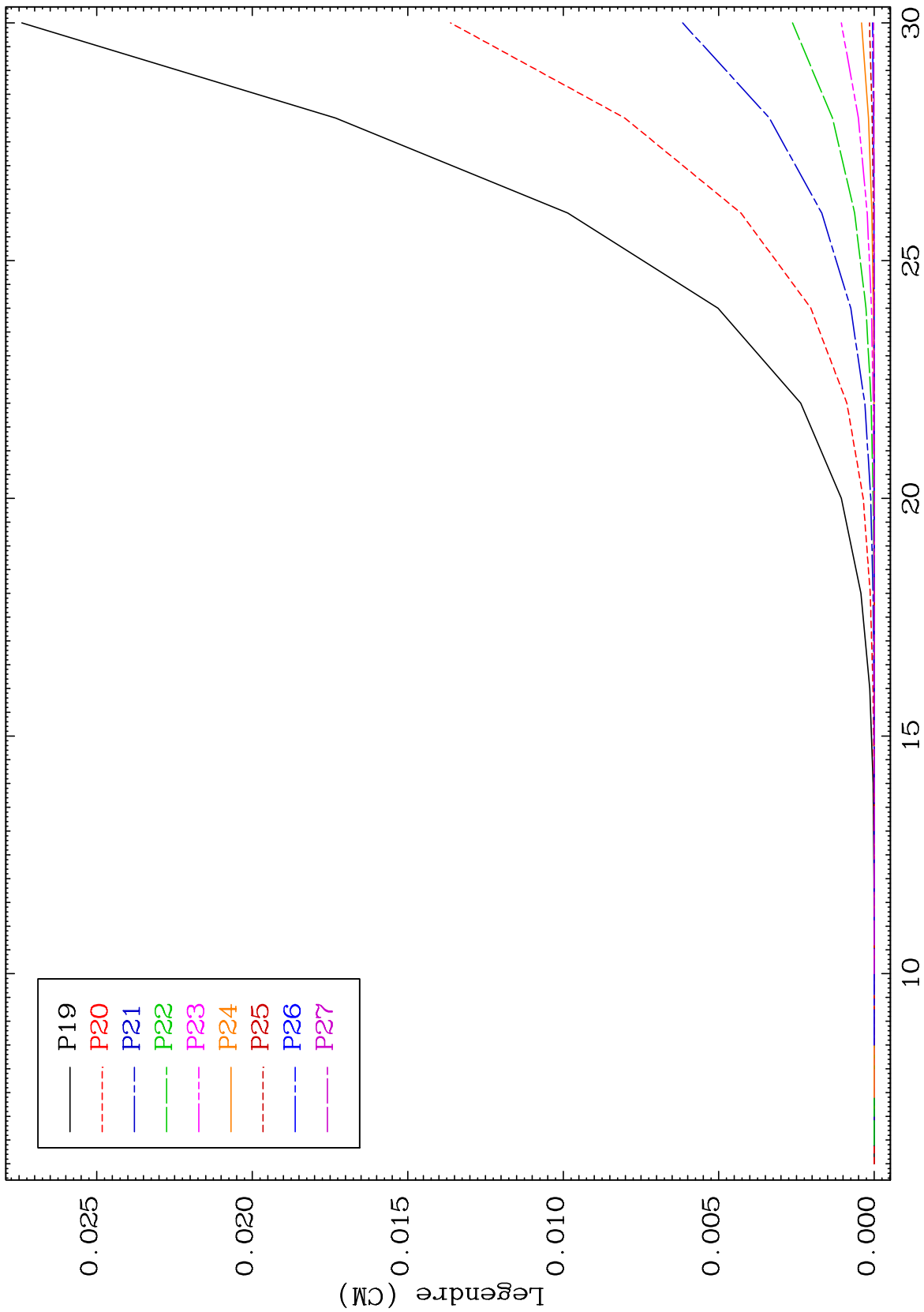




MAT 7513

Elastic Legendre Coefficients

75-Re-181



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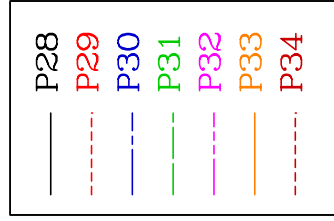
Incident Energy (MeV)

75-Re-181

MAT 7513

Elastic
Legendre Coefficients

75-Re-181



$\times 10^{-6}$

6

Legendre (CM)

4

2

0

15

20

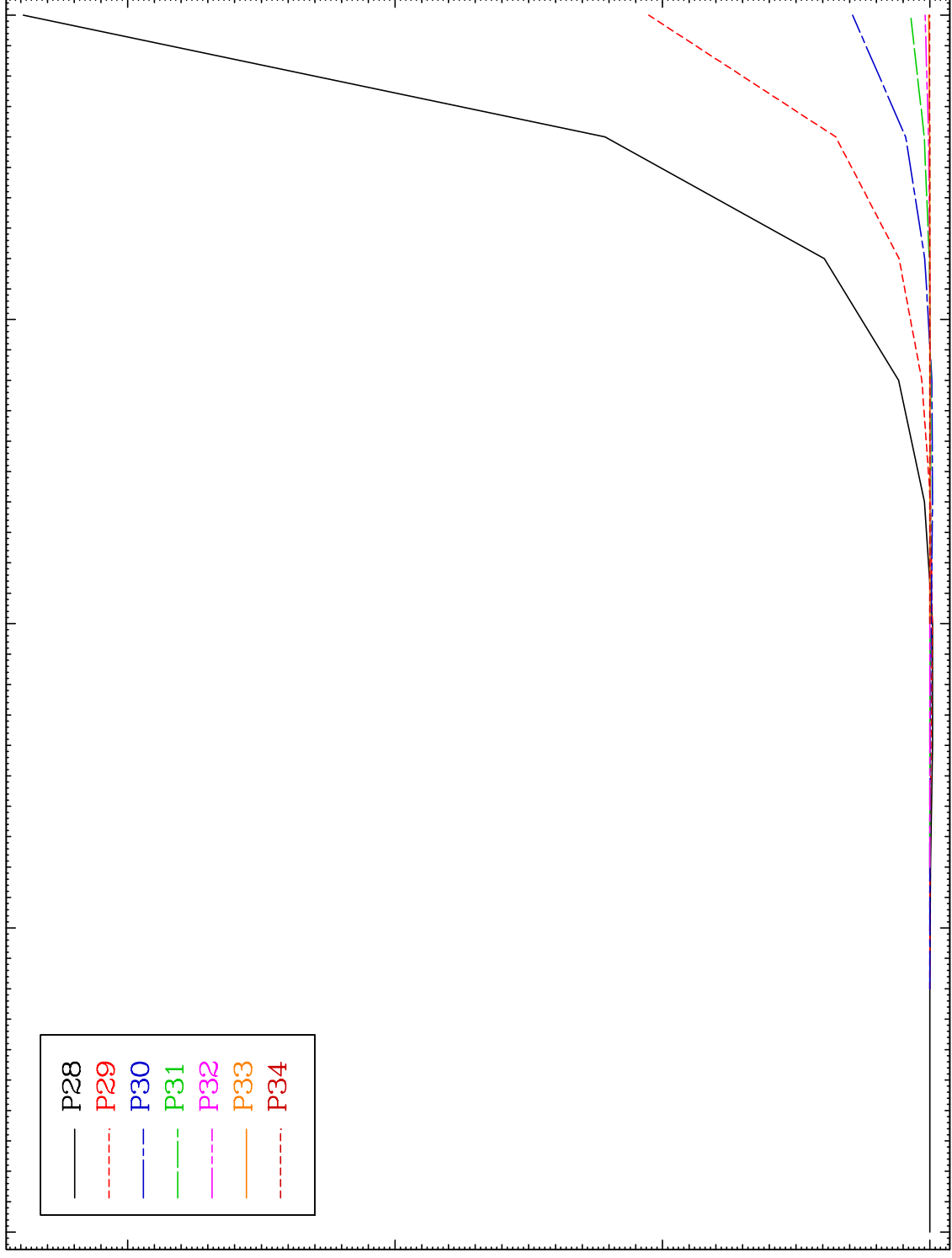
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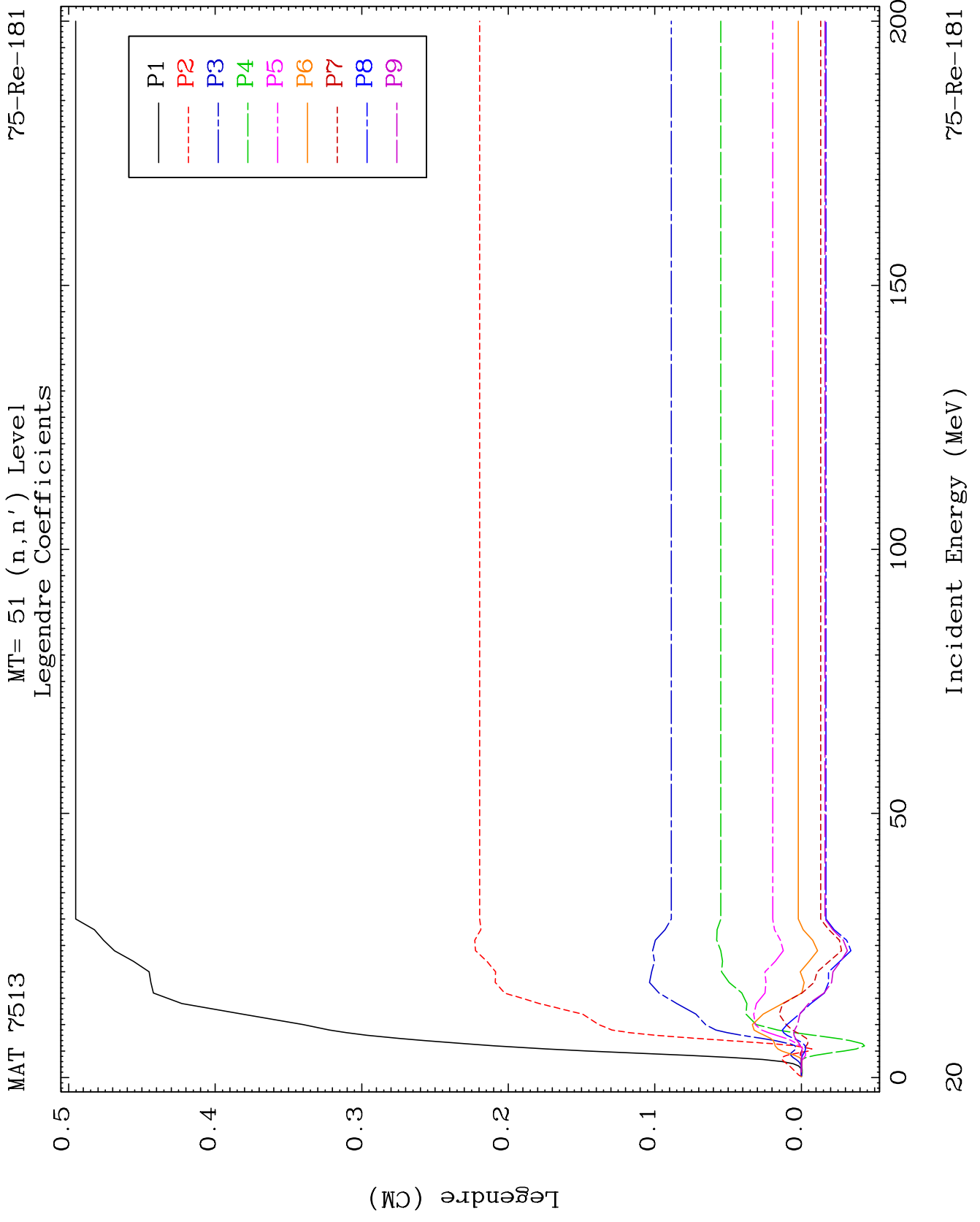
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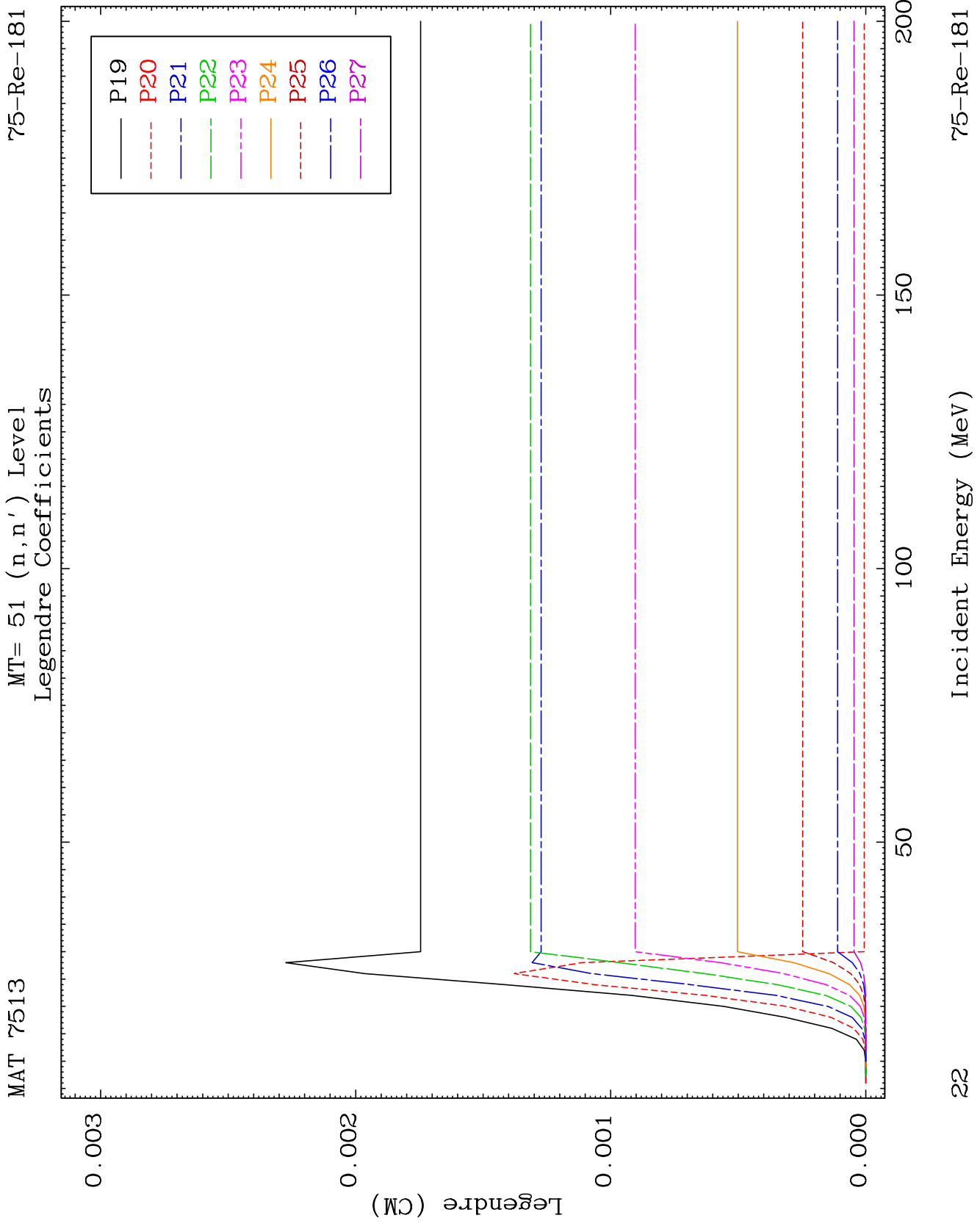
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Incident Energy (MeV)

75-Re-181



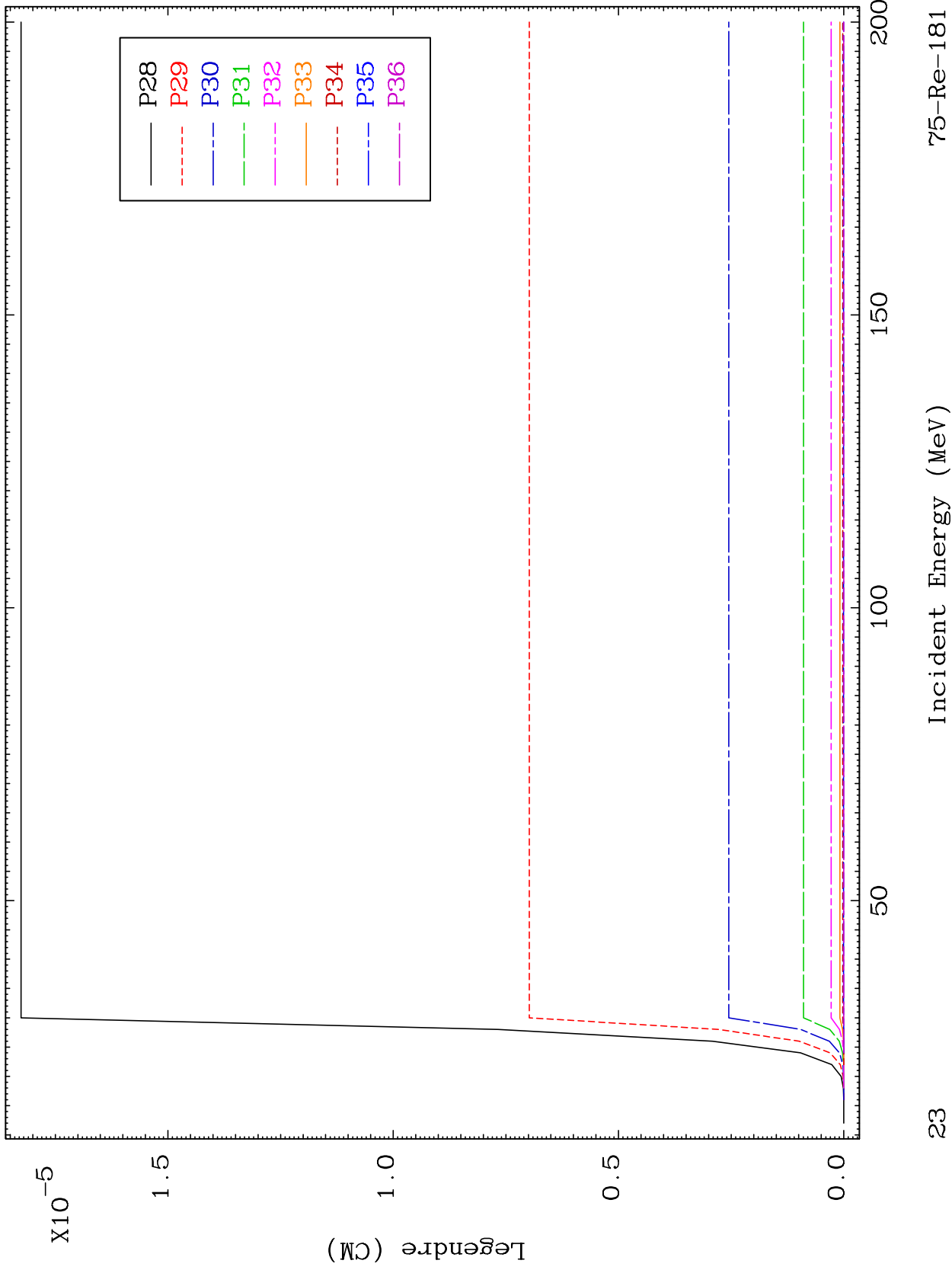




MAT 7513

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

75-Re-181



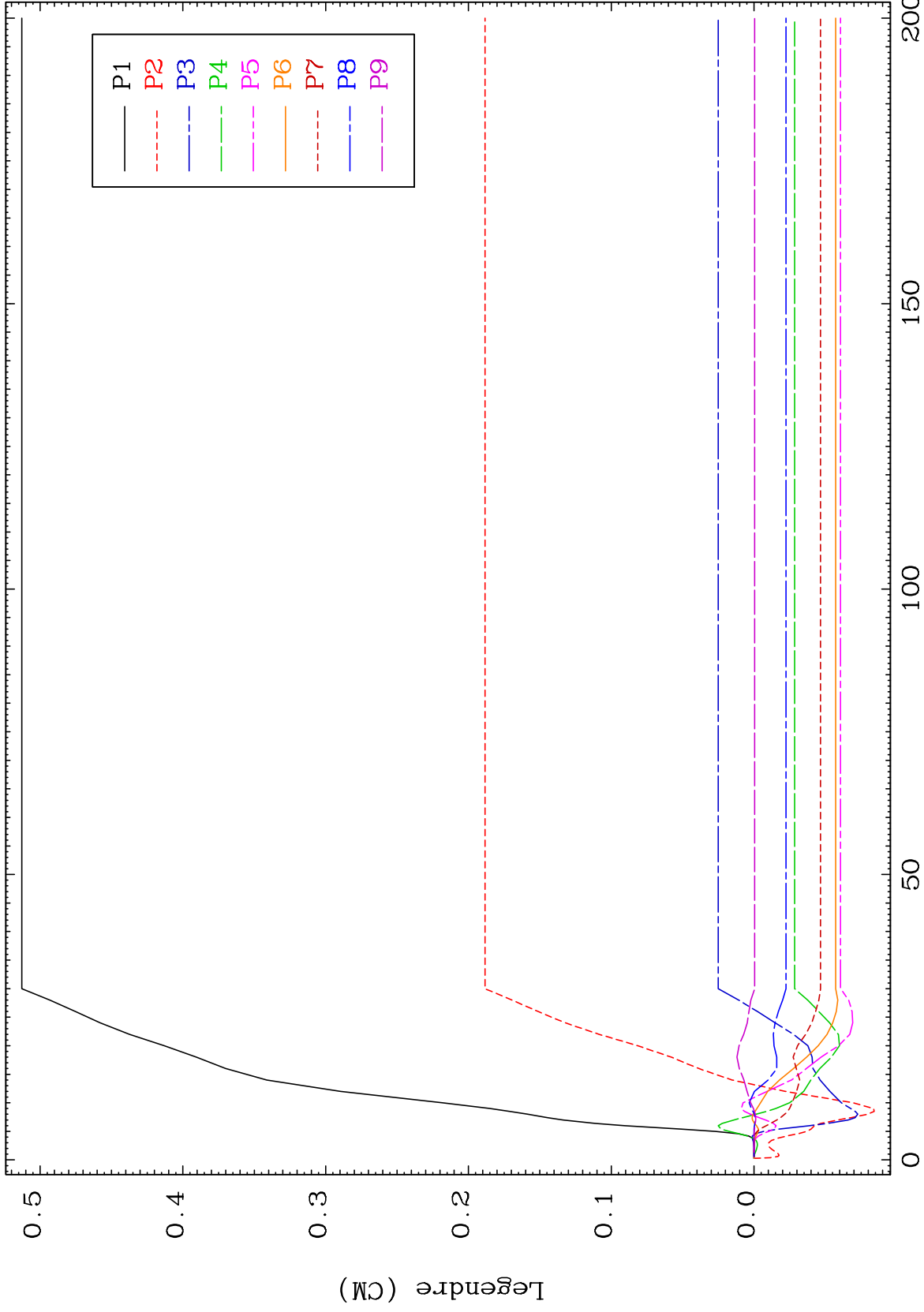
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75-Re-181

MAT 7513

MT= 52 (n,n') Level
Legendre Coefficients

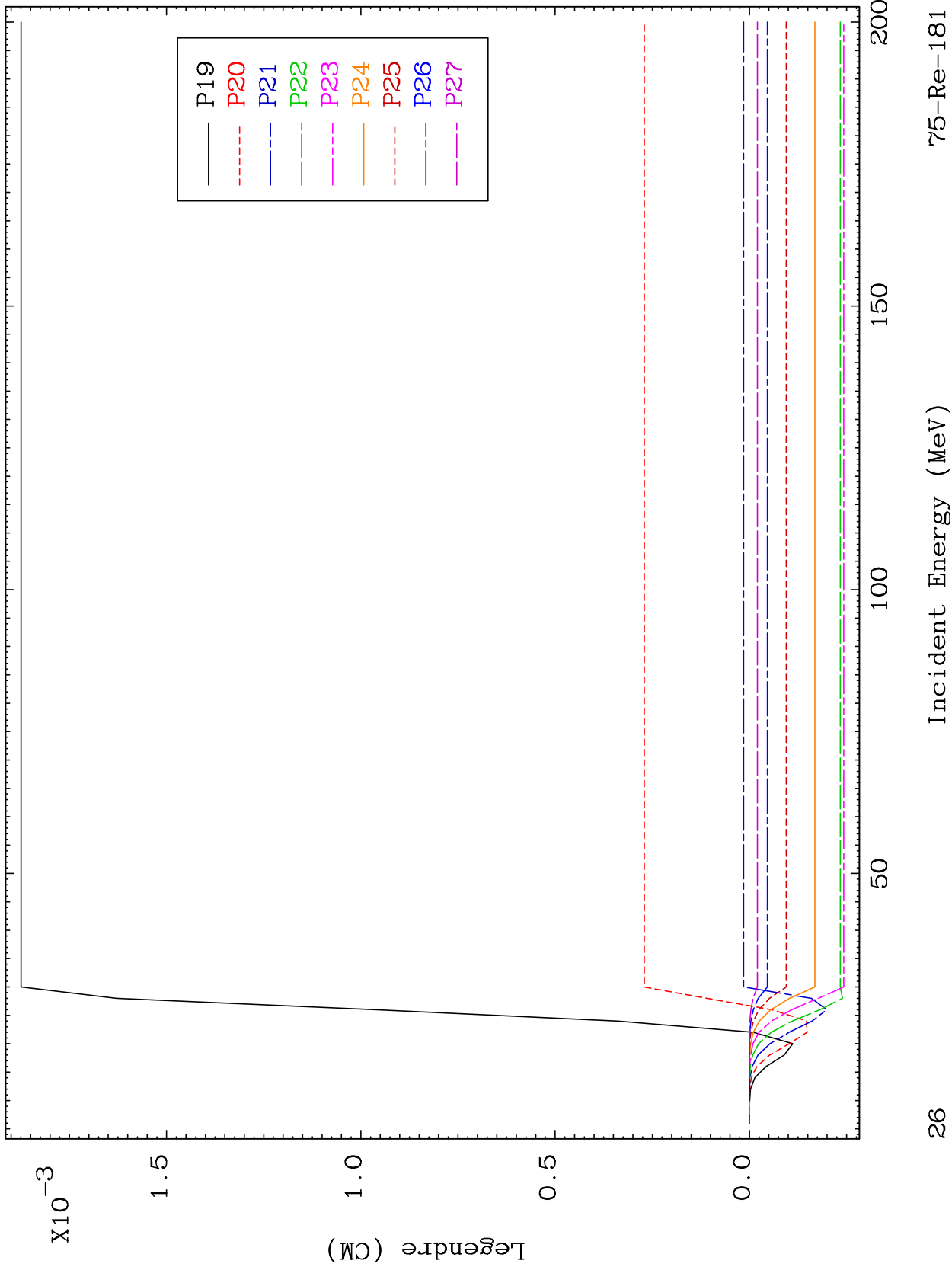
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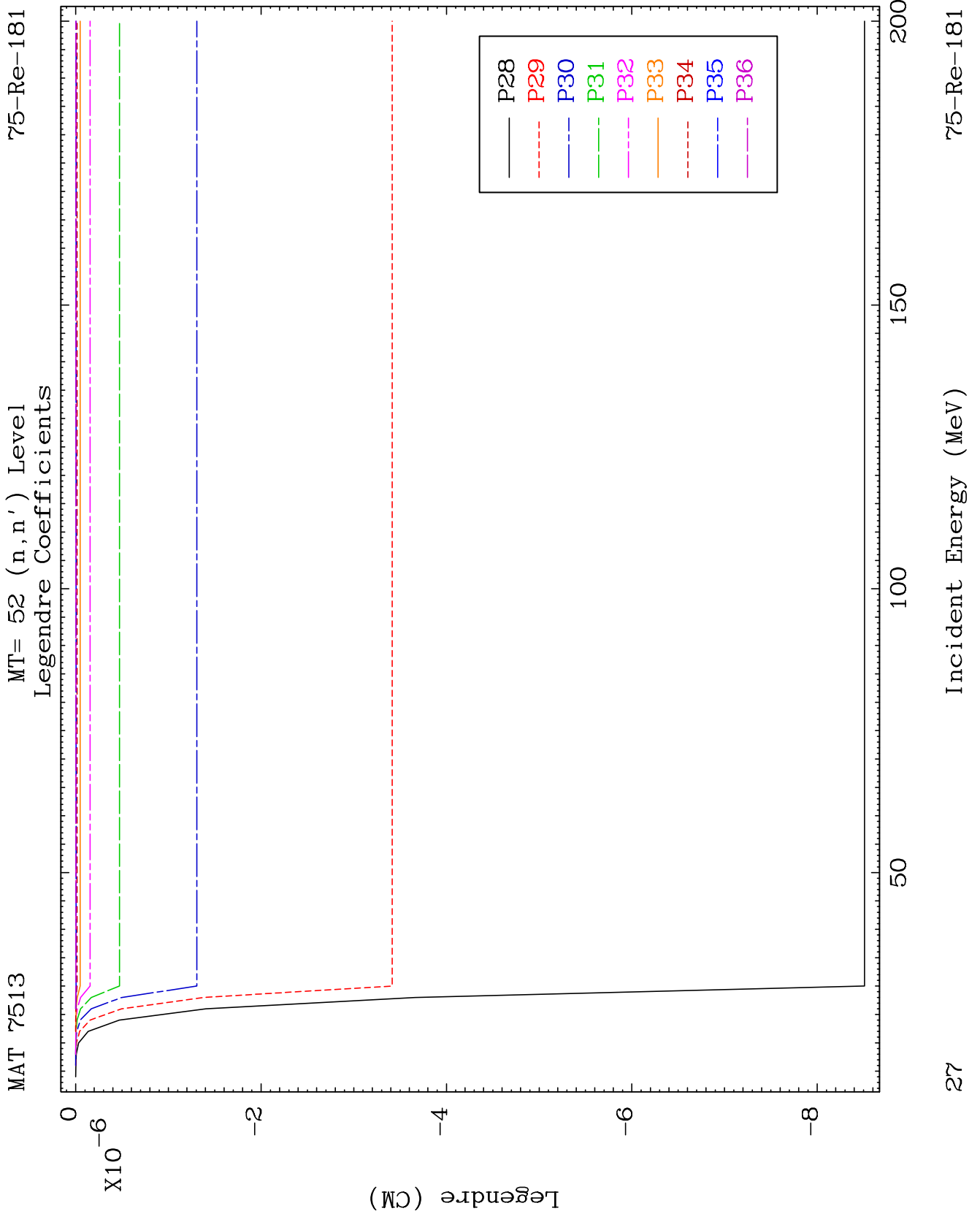


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Incident Energy (MeV)

75-Re-181

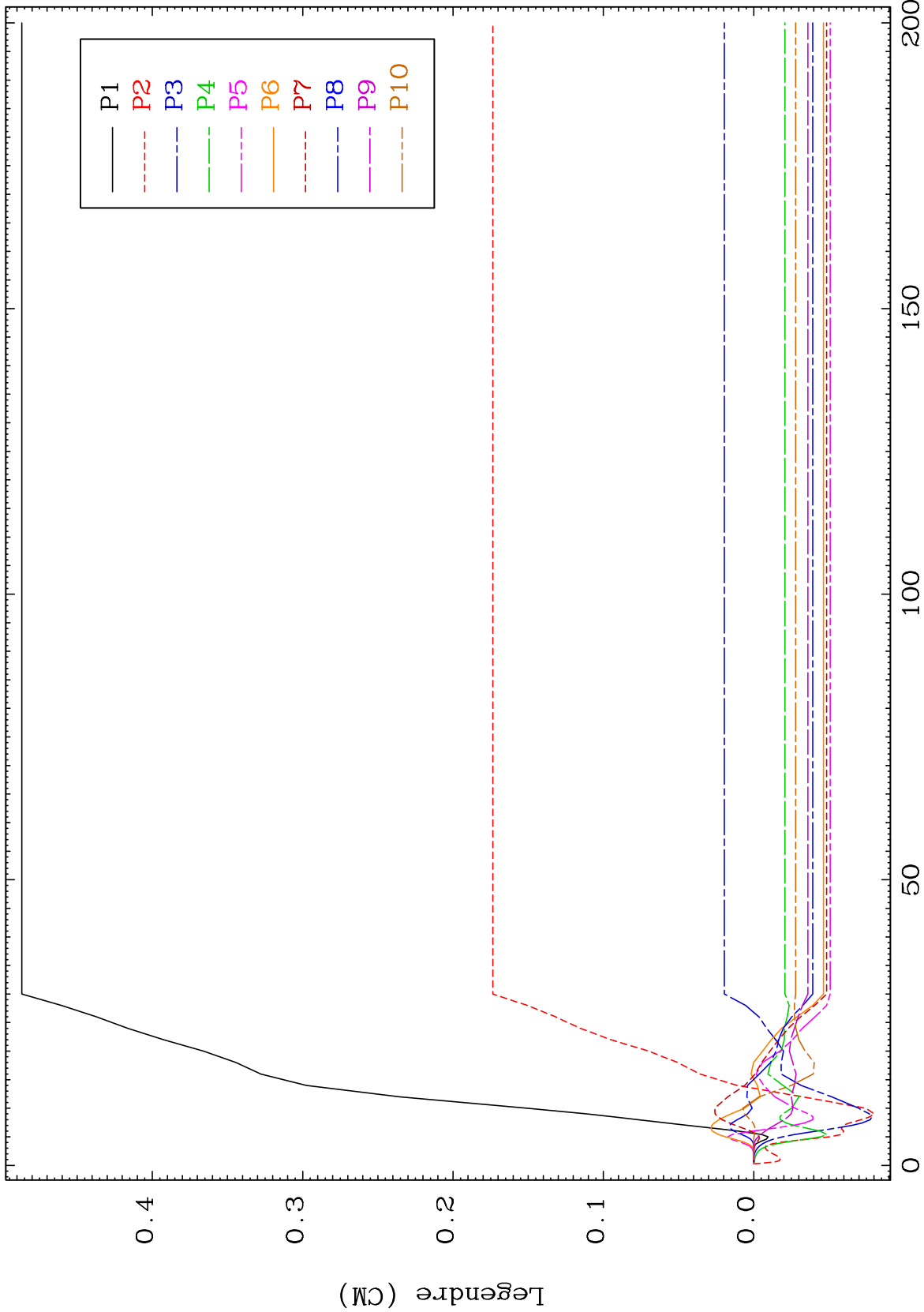




MAT 7513

MT= 53 (n,n') Level
Legendre Coefficients

75-Re-181



28

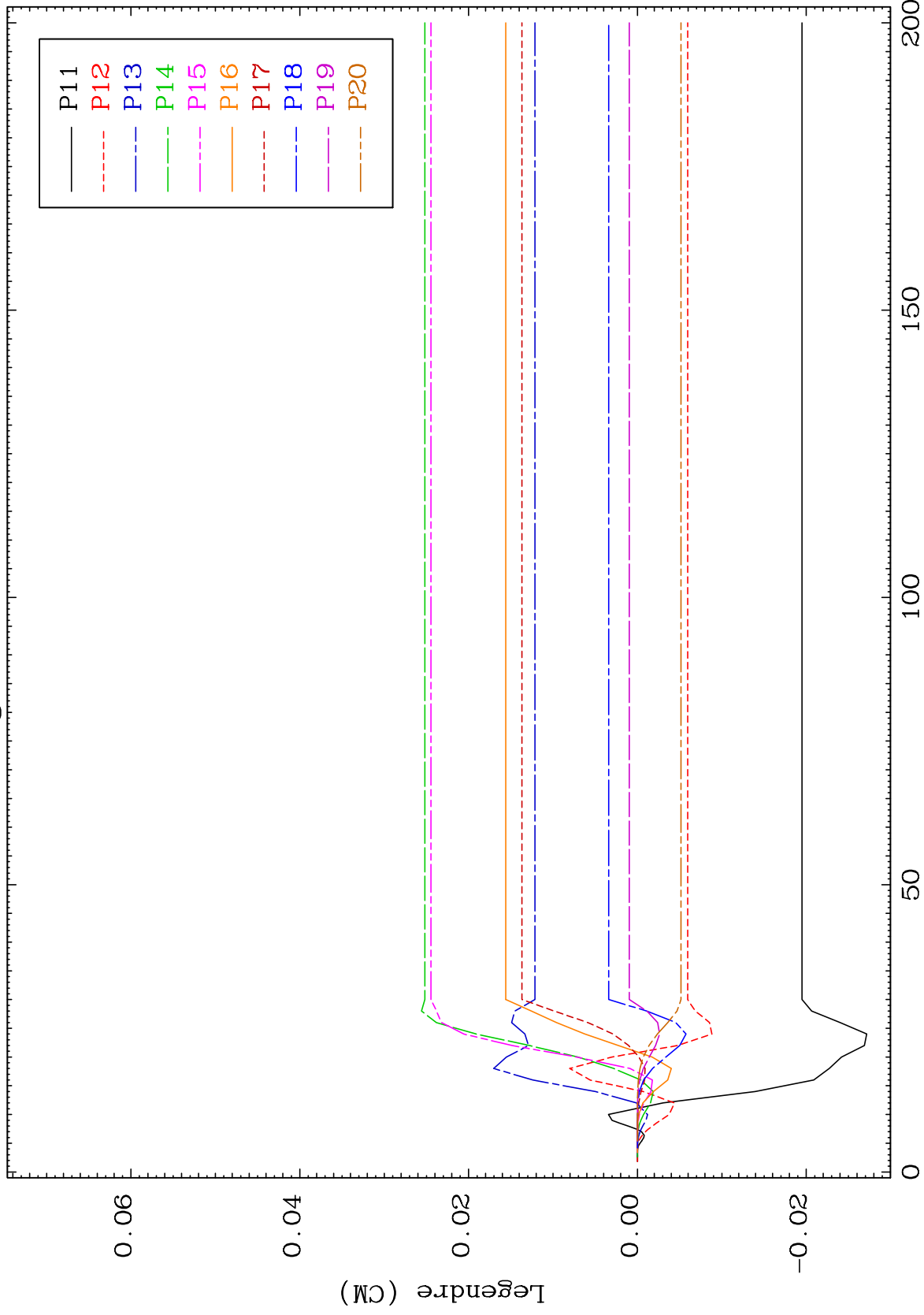
75-Re-181

75-Re-181

MAT 7513

MT= 53 (n,n') Level
Legendre Coefficients

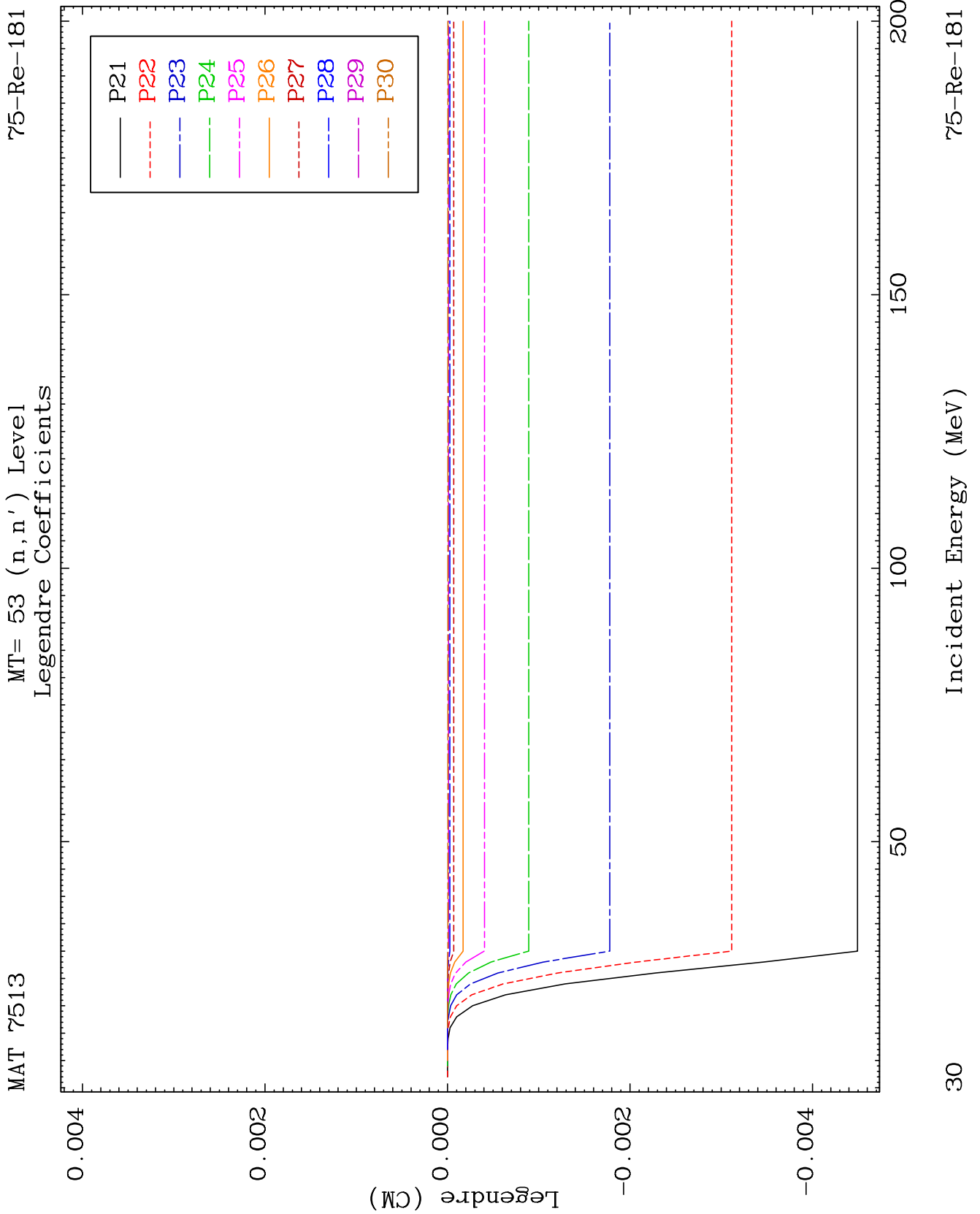
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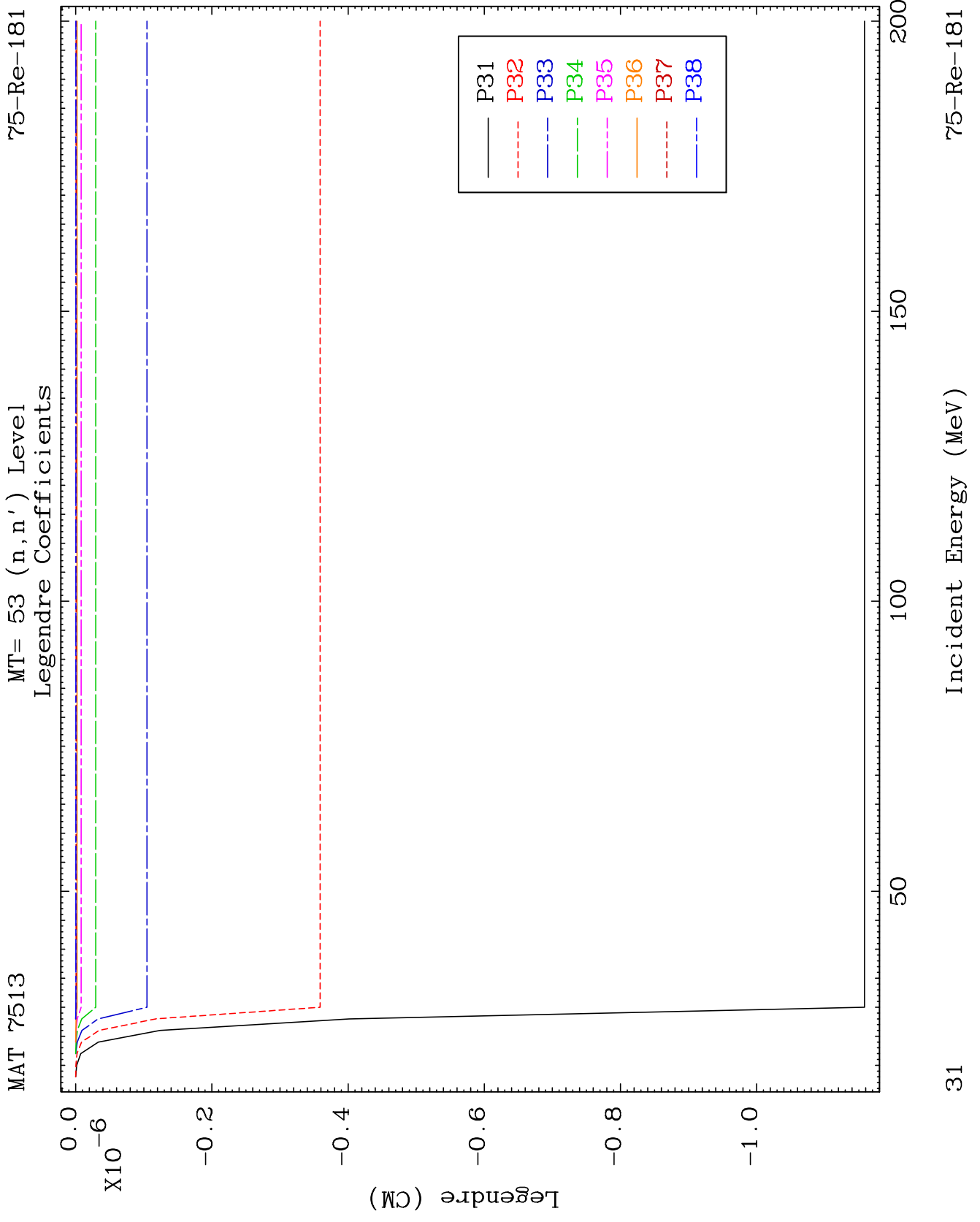


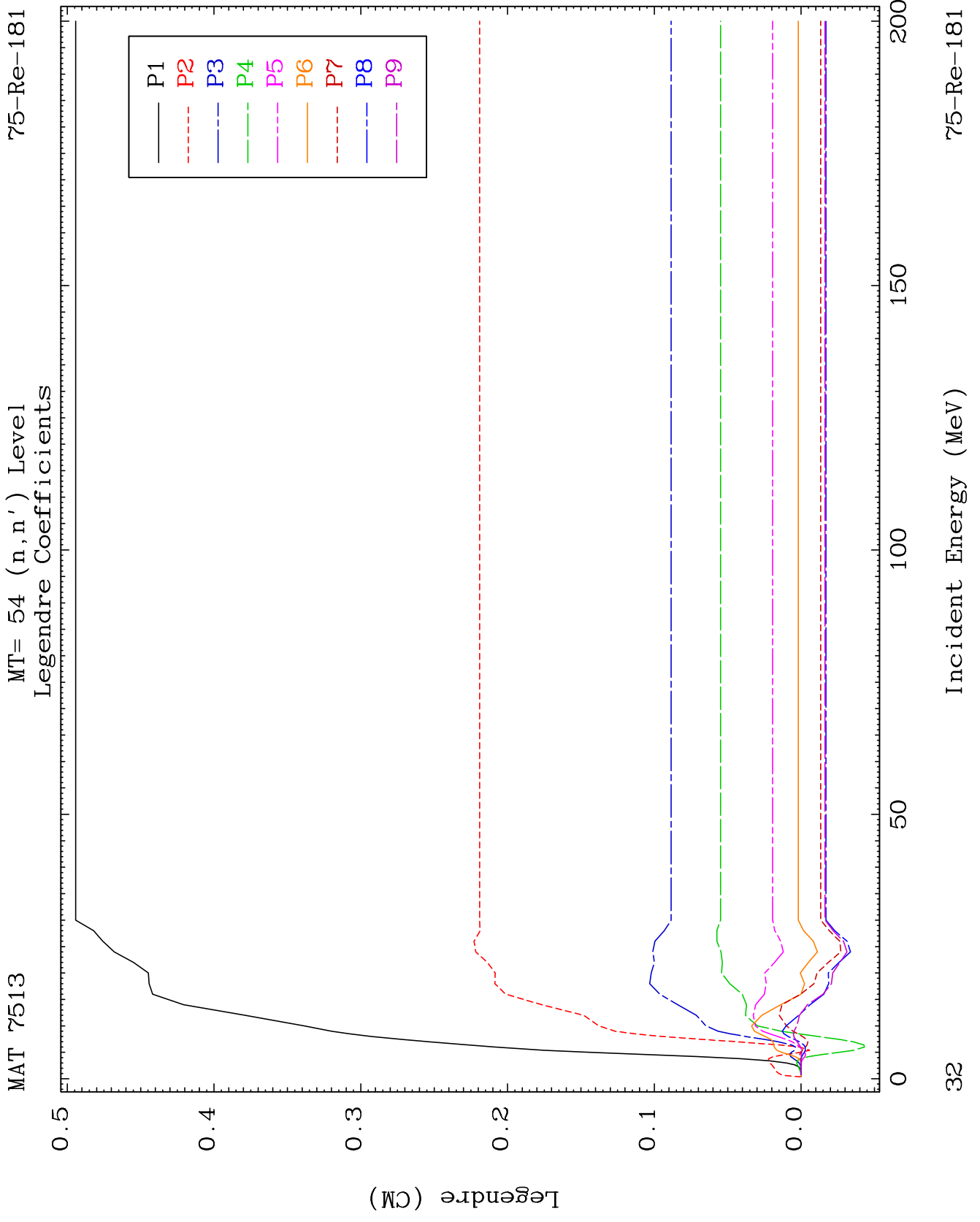
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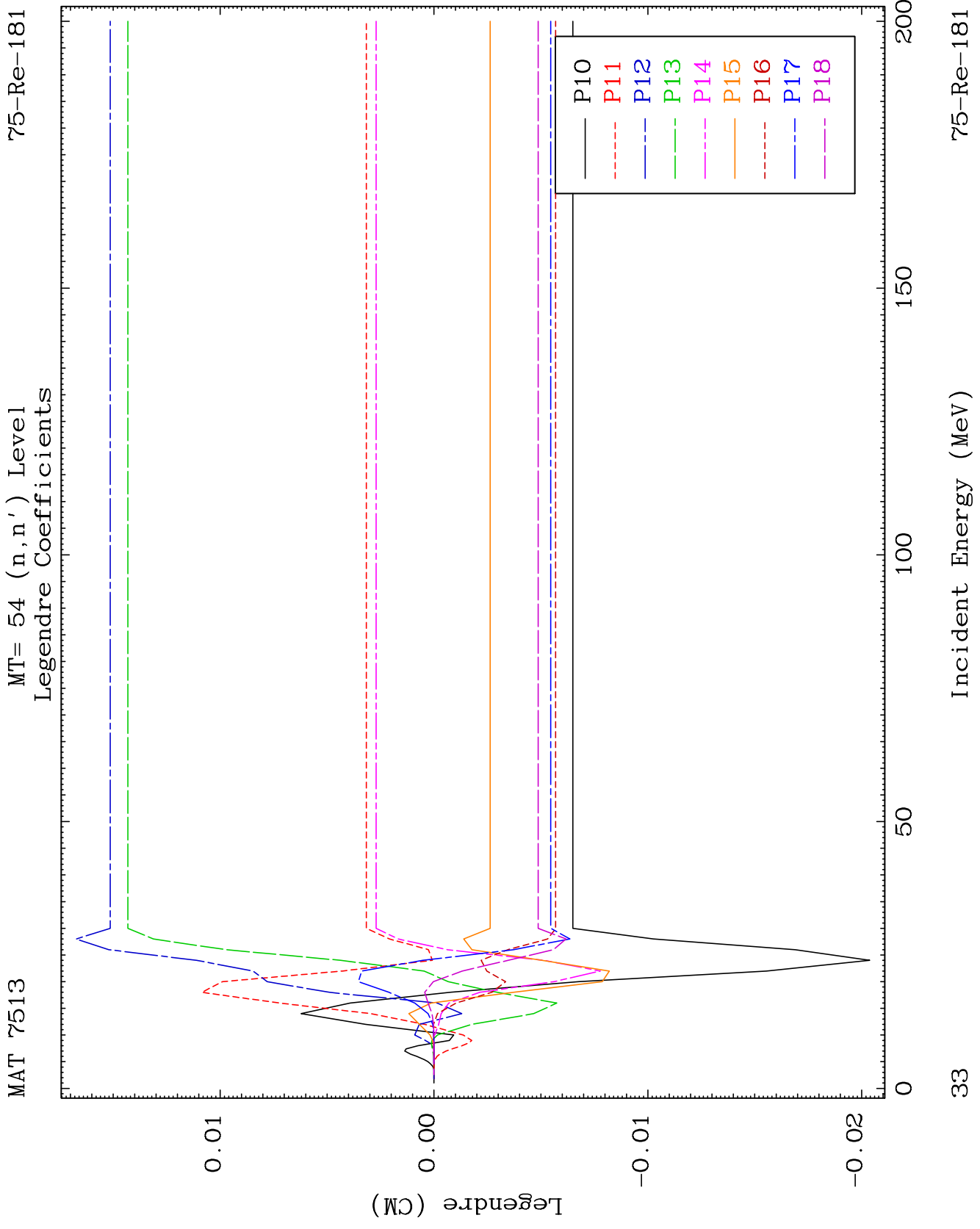
Incident Energy (MeV)

75-Re-181





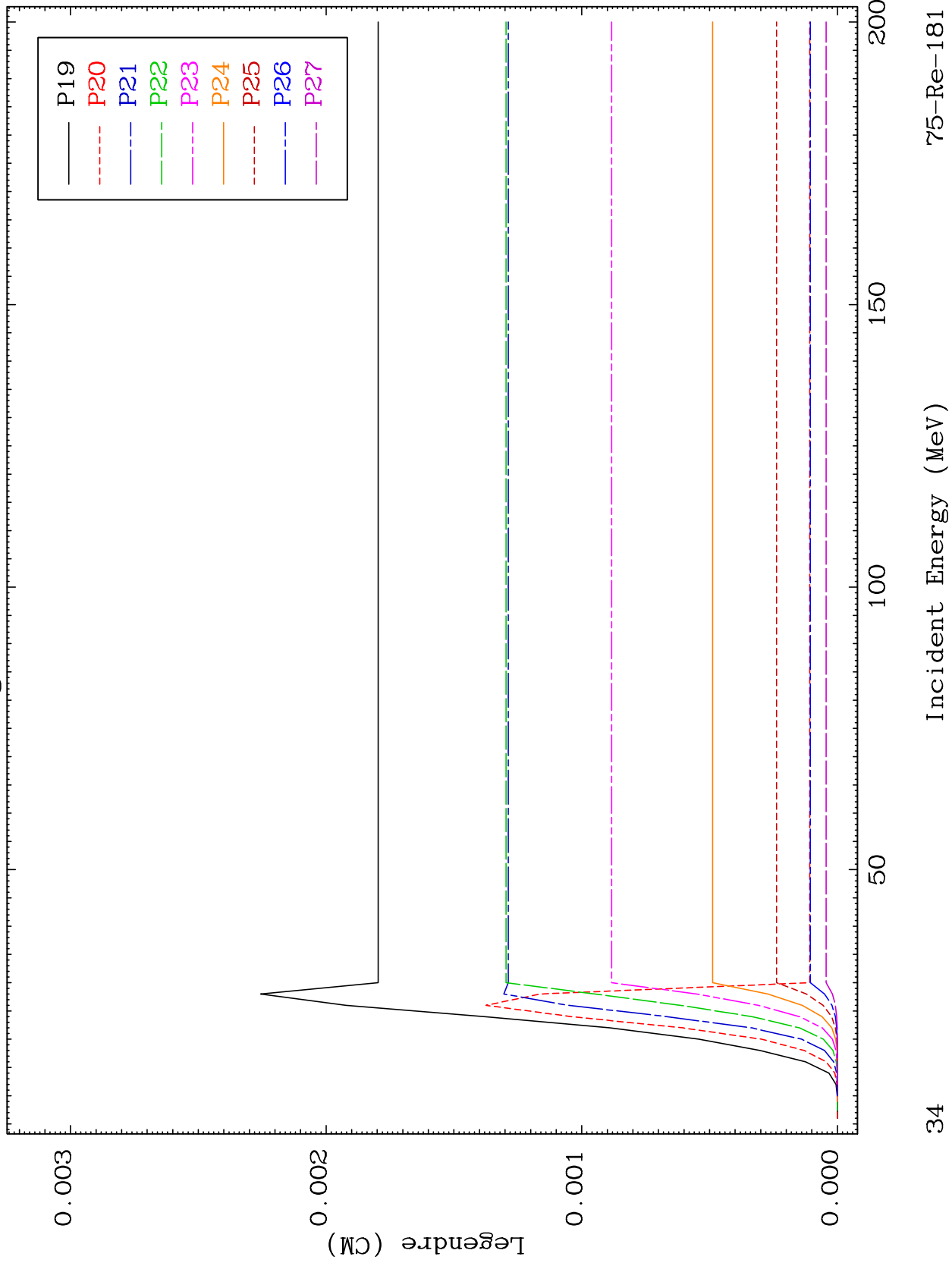




MAT 7513

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

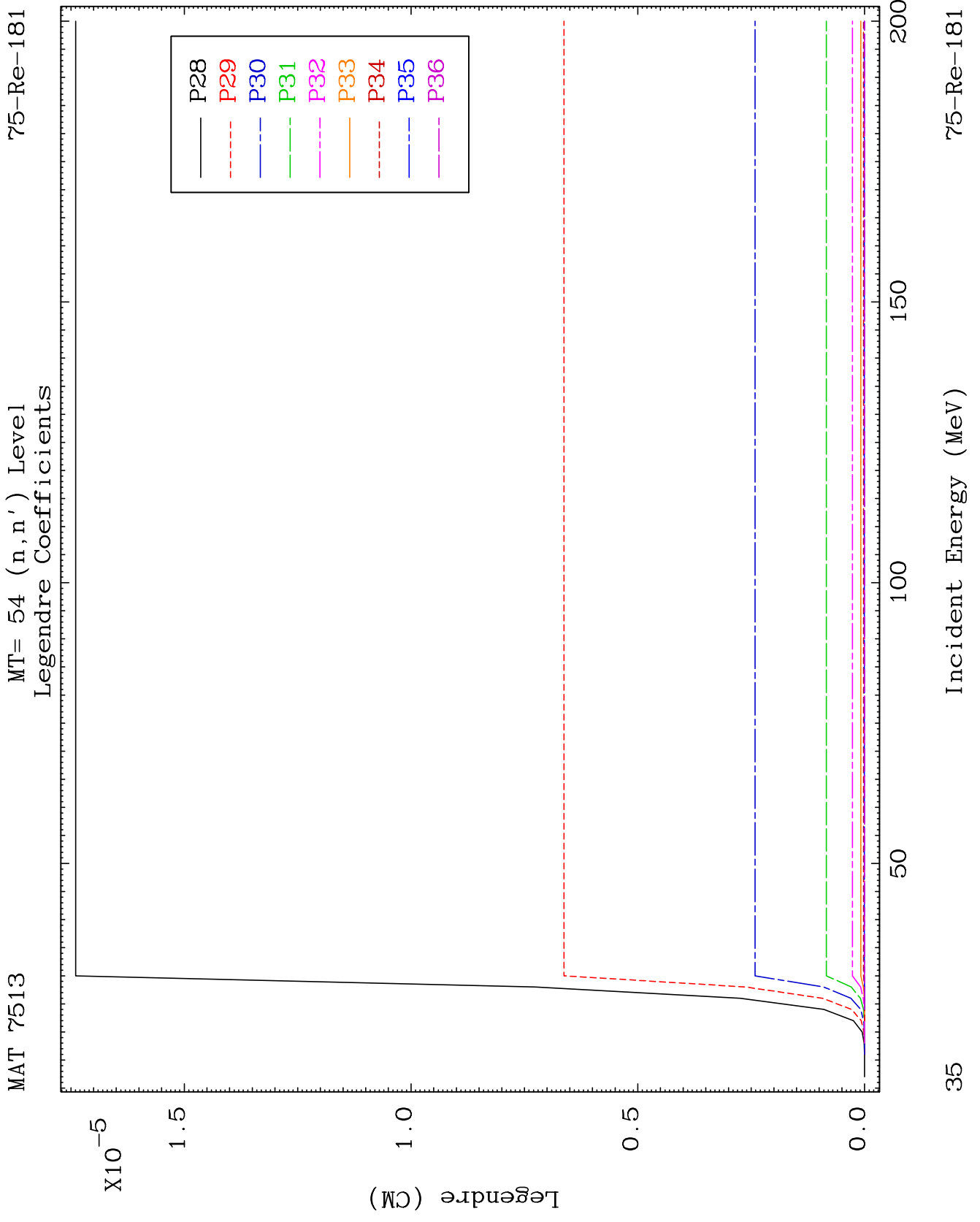
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34

Incident Energy (MeV)

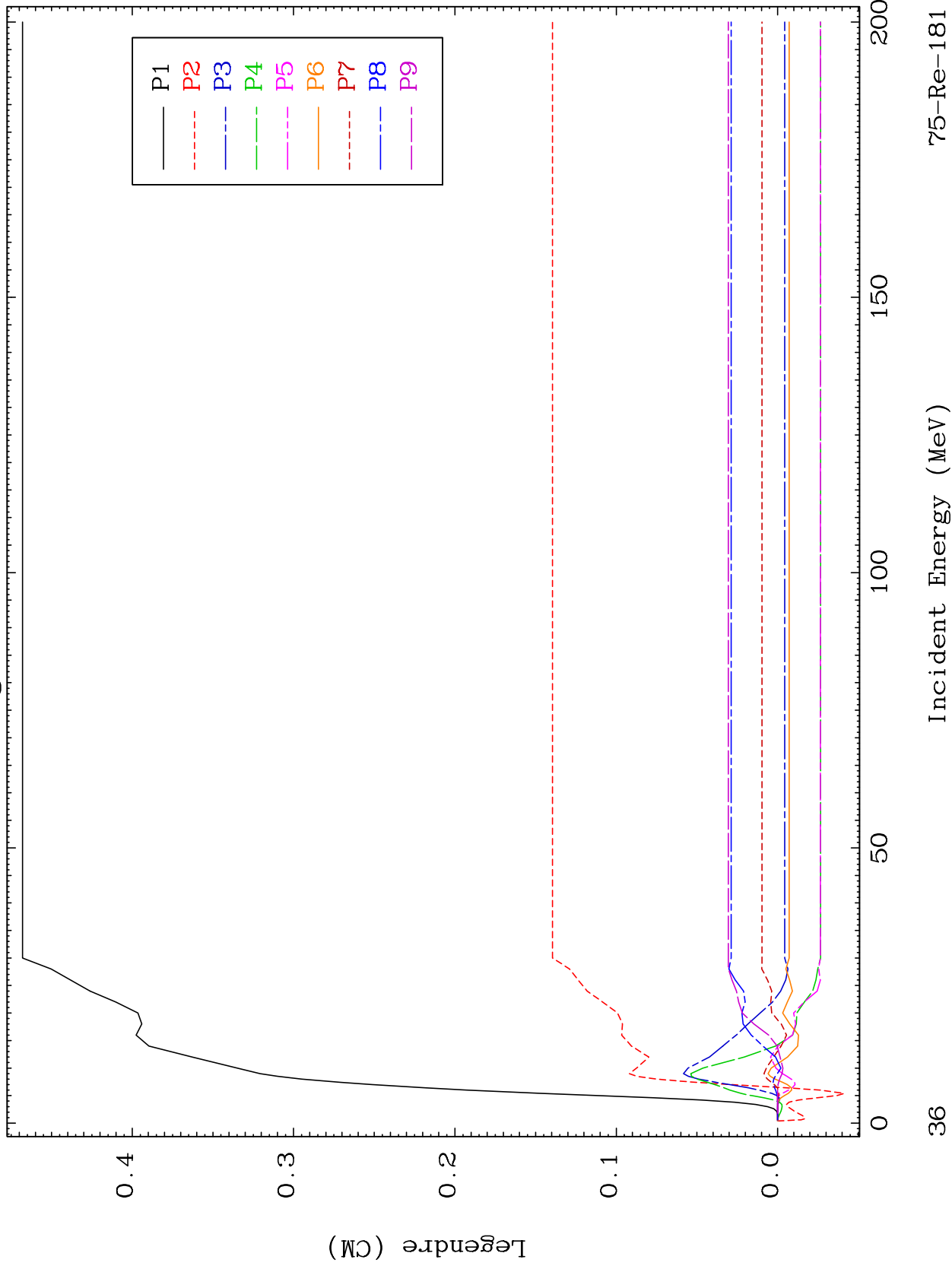
75-Re-181



MAT 7513

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

75-Re-181



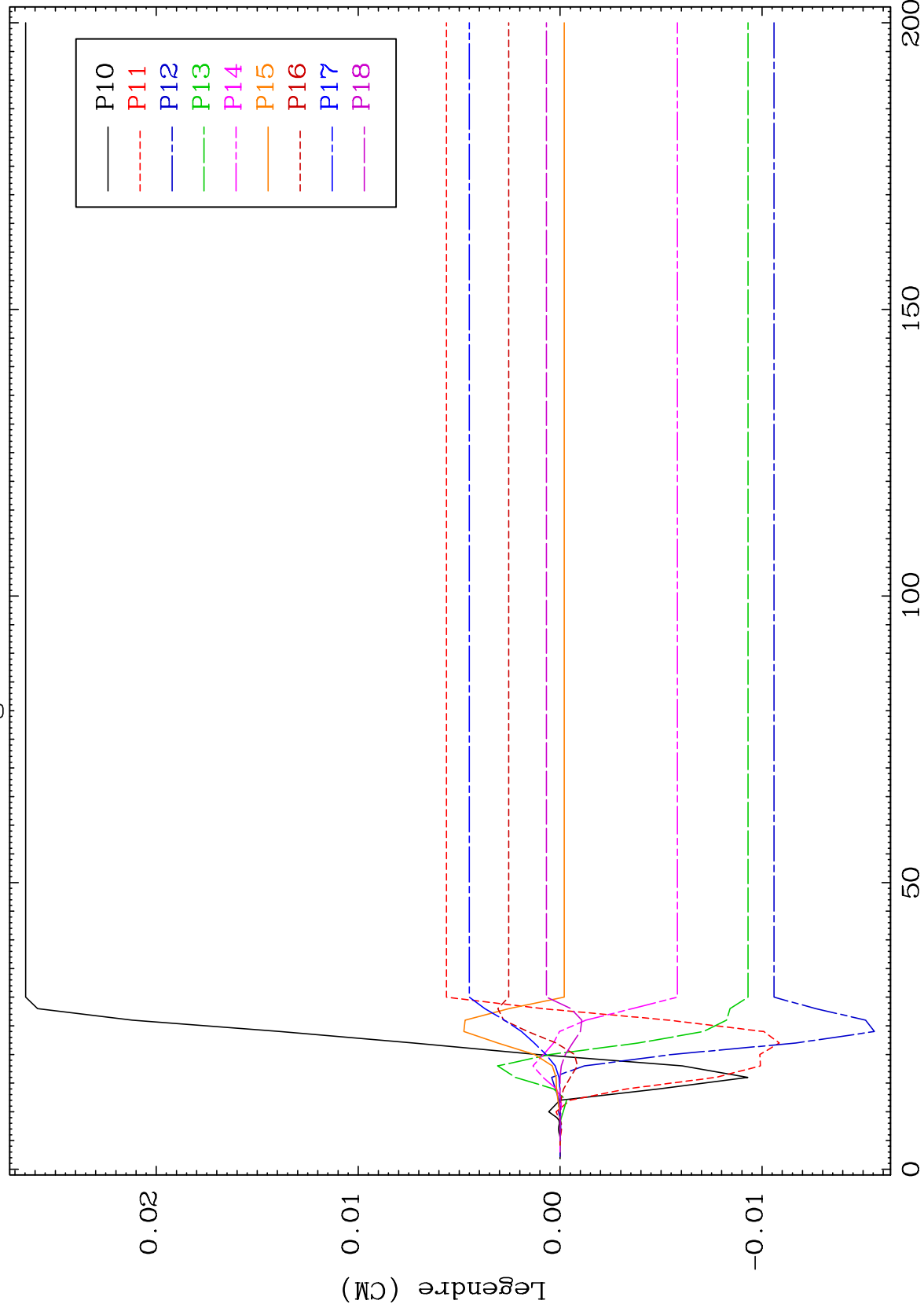
36

75-Re-181

MAT 7513

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

75-Re-181



37

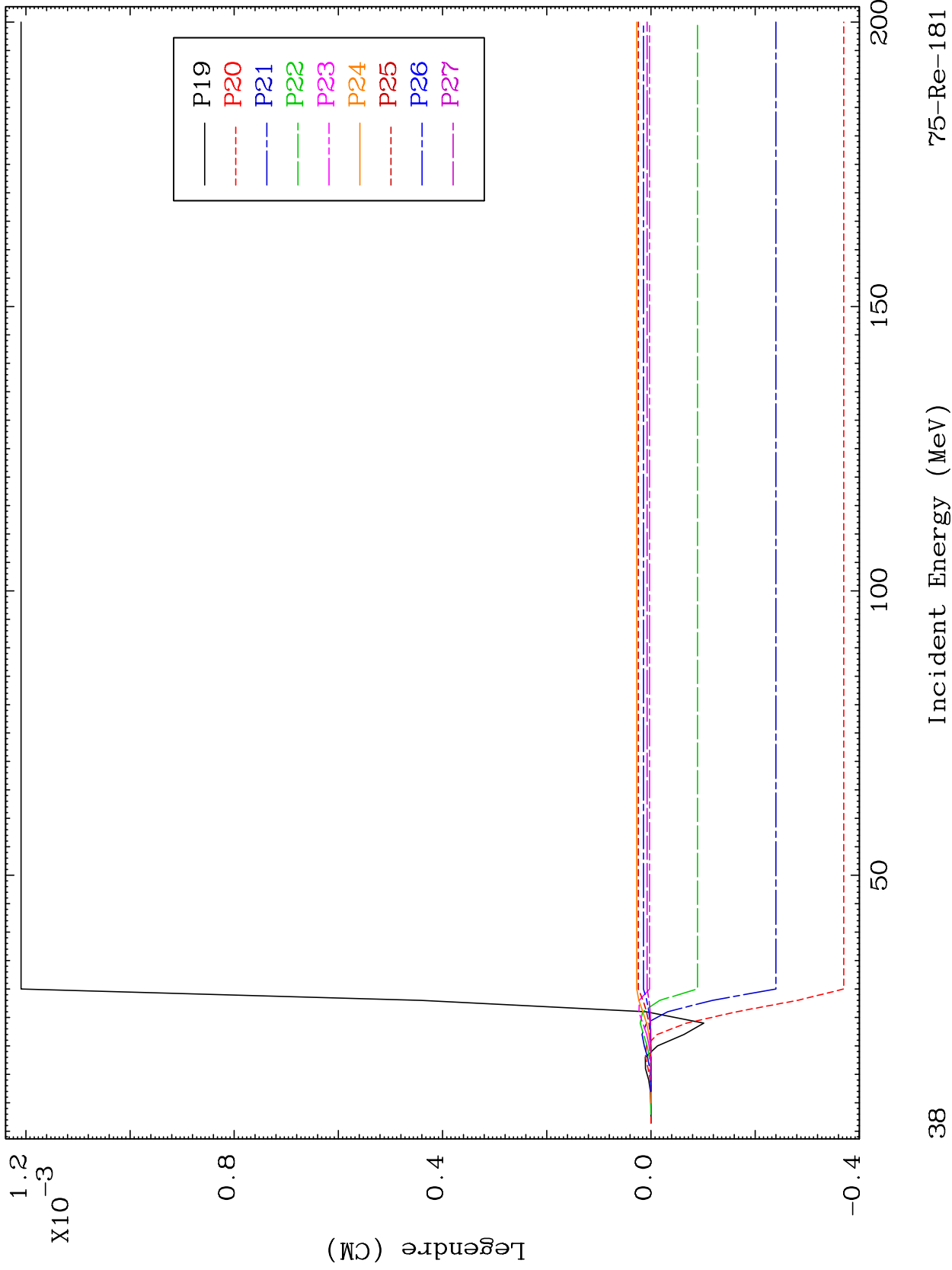
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



38

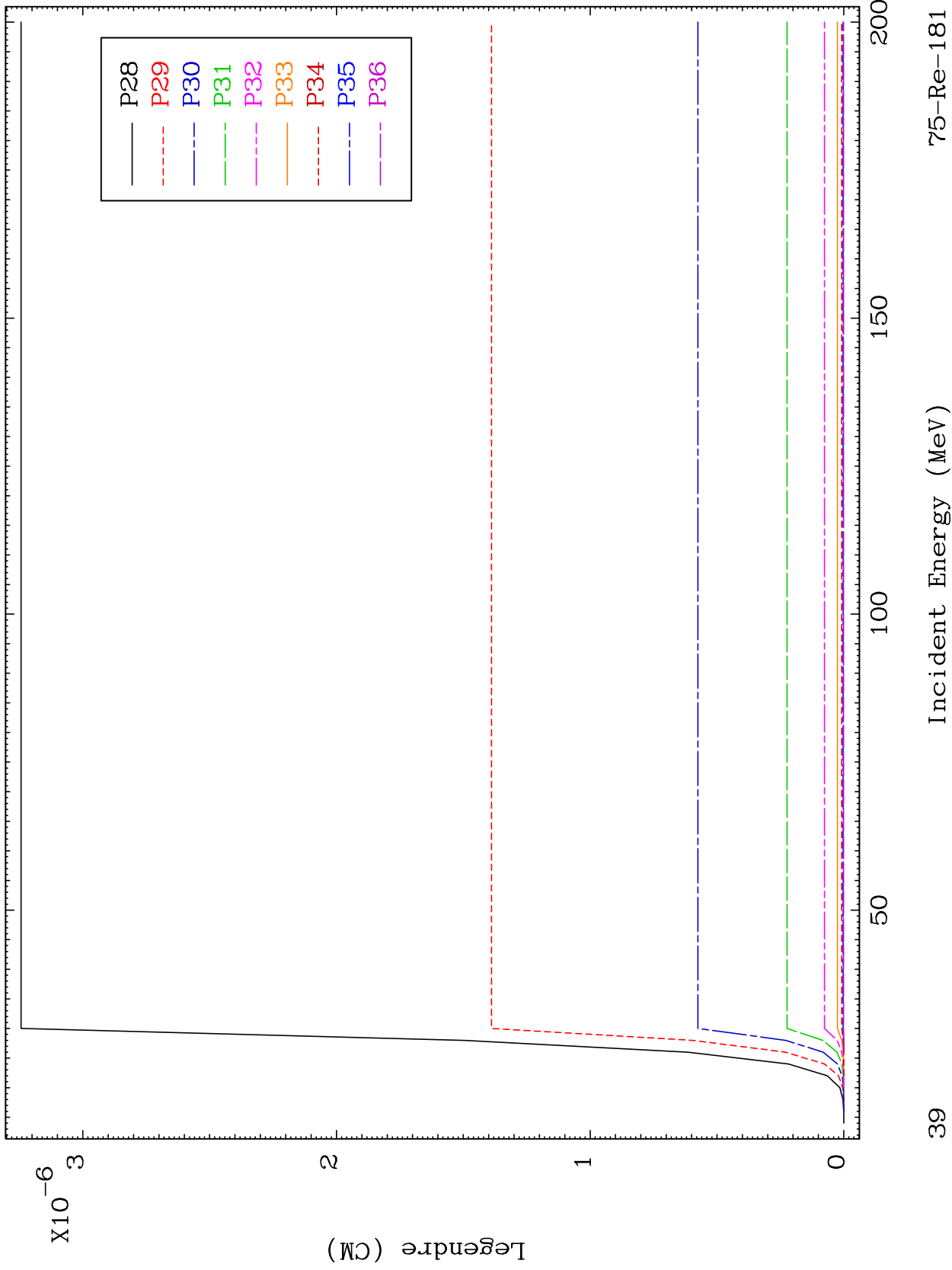
Incident Energy (MeV)

75-Re-181

MAT 7513

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

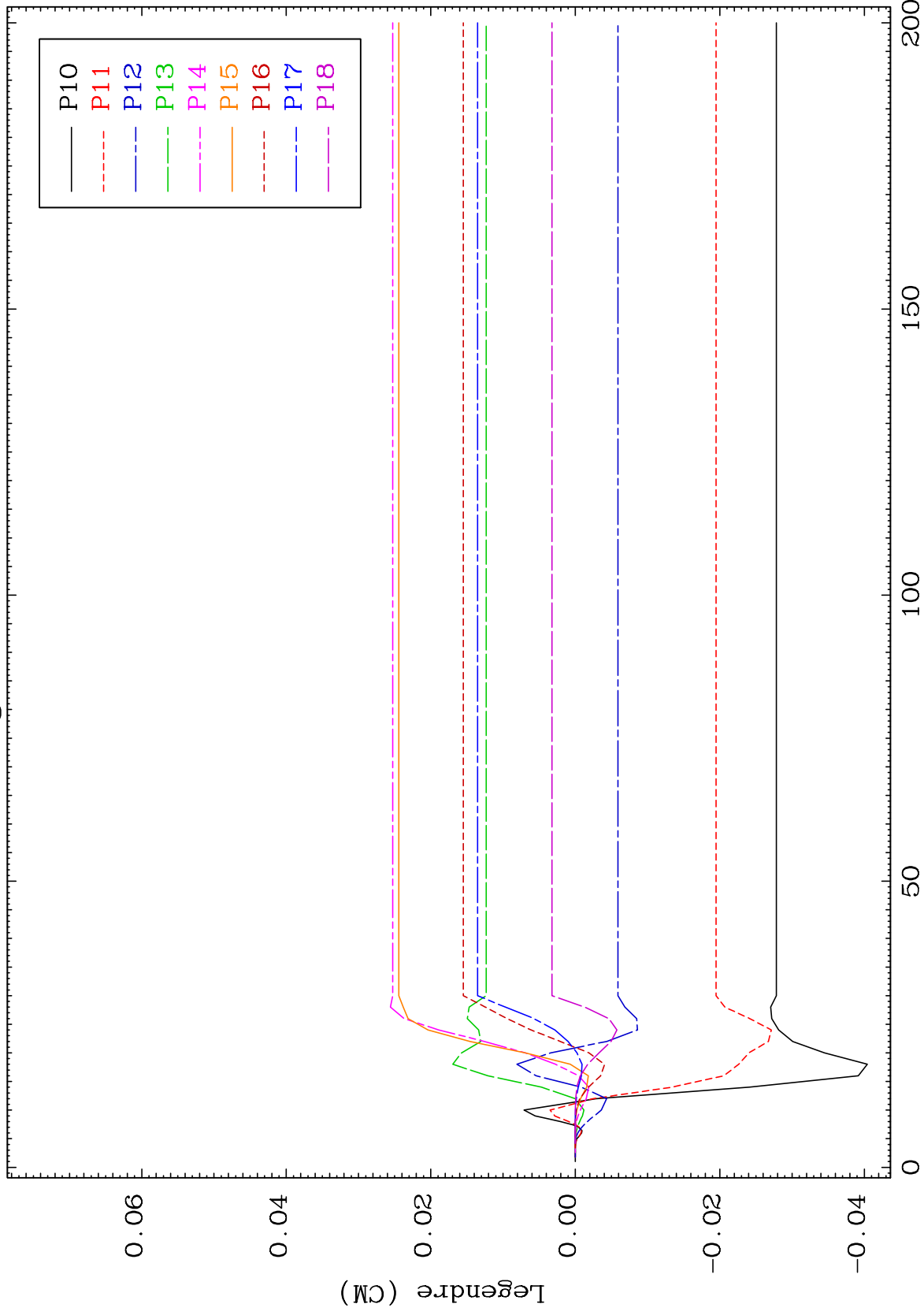
75-Re-181



MAT 7513

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

75-Re-181



41

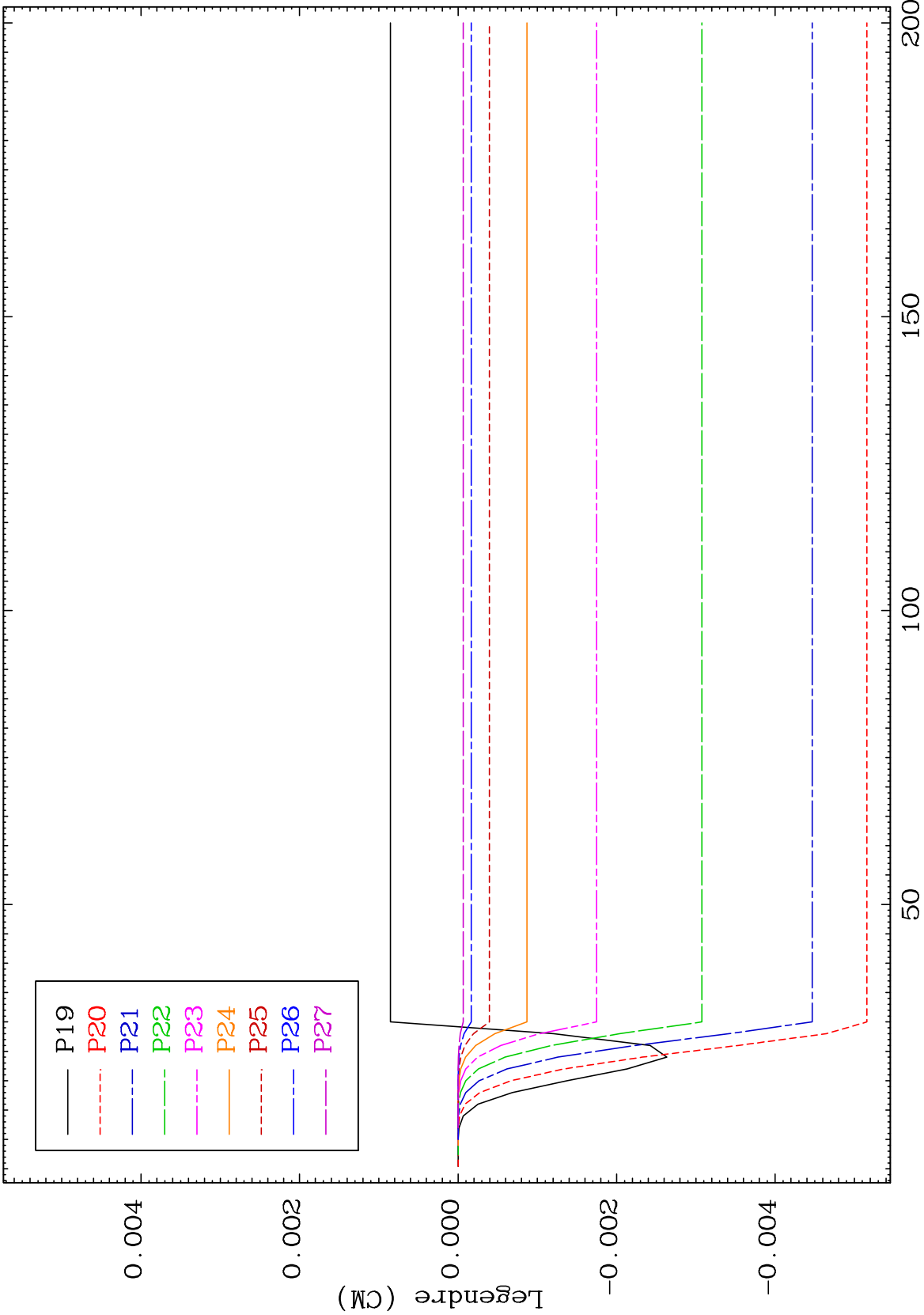
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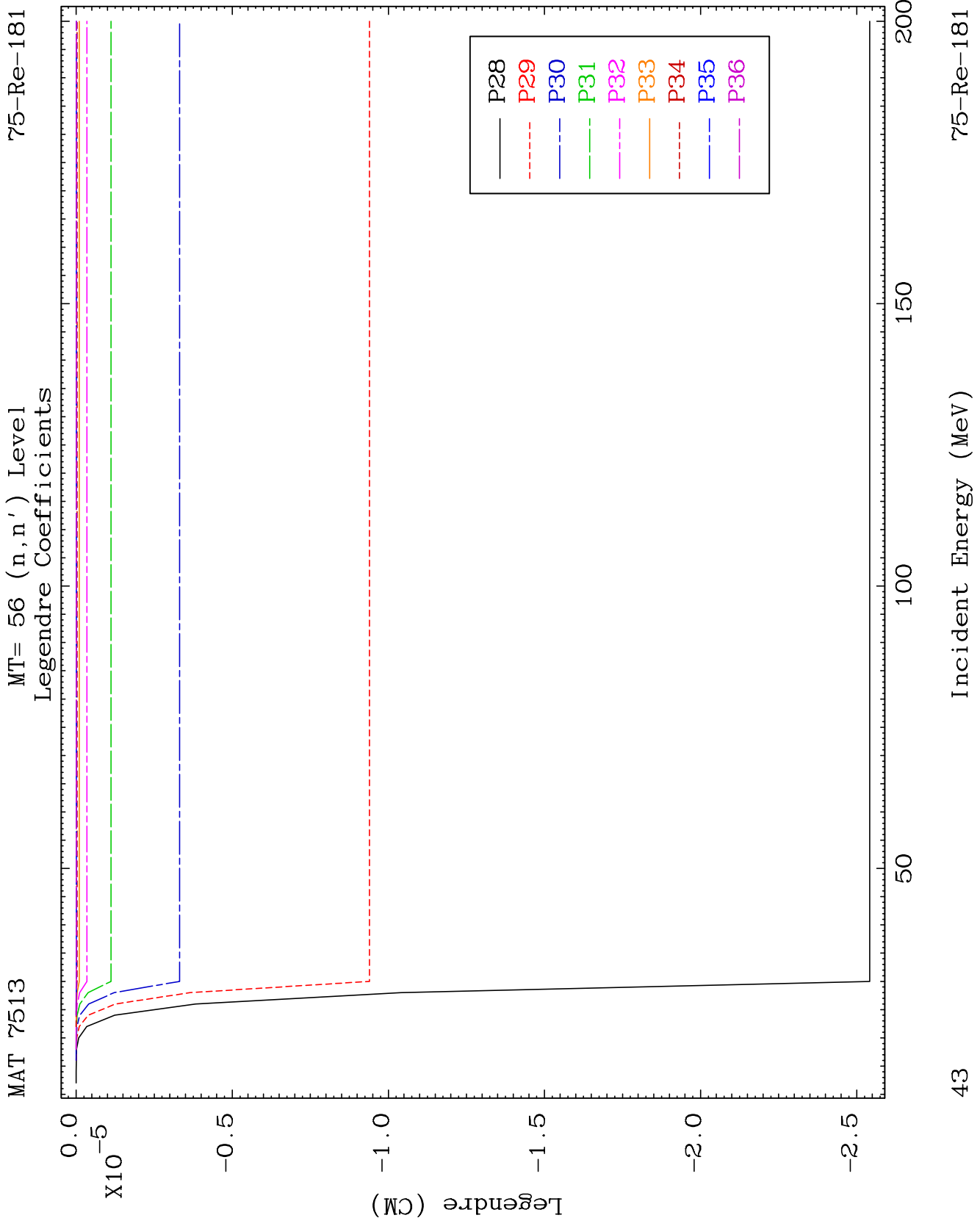
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MAT 7513

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

75-Re-181

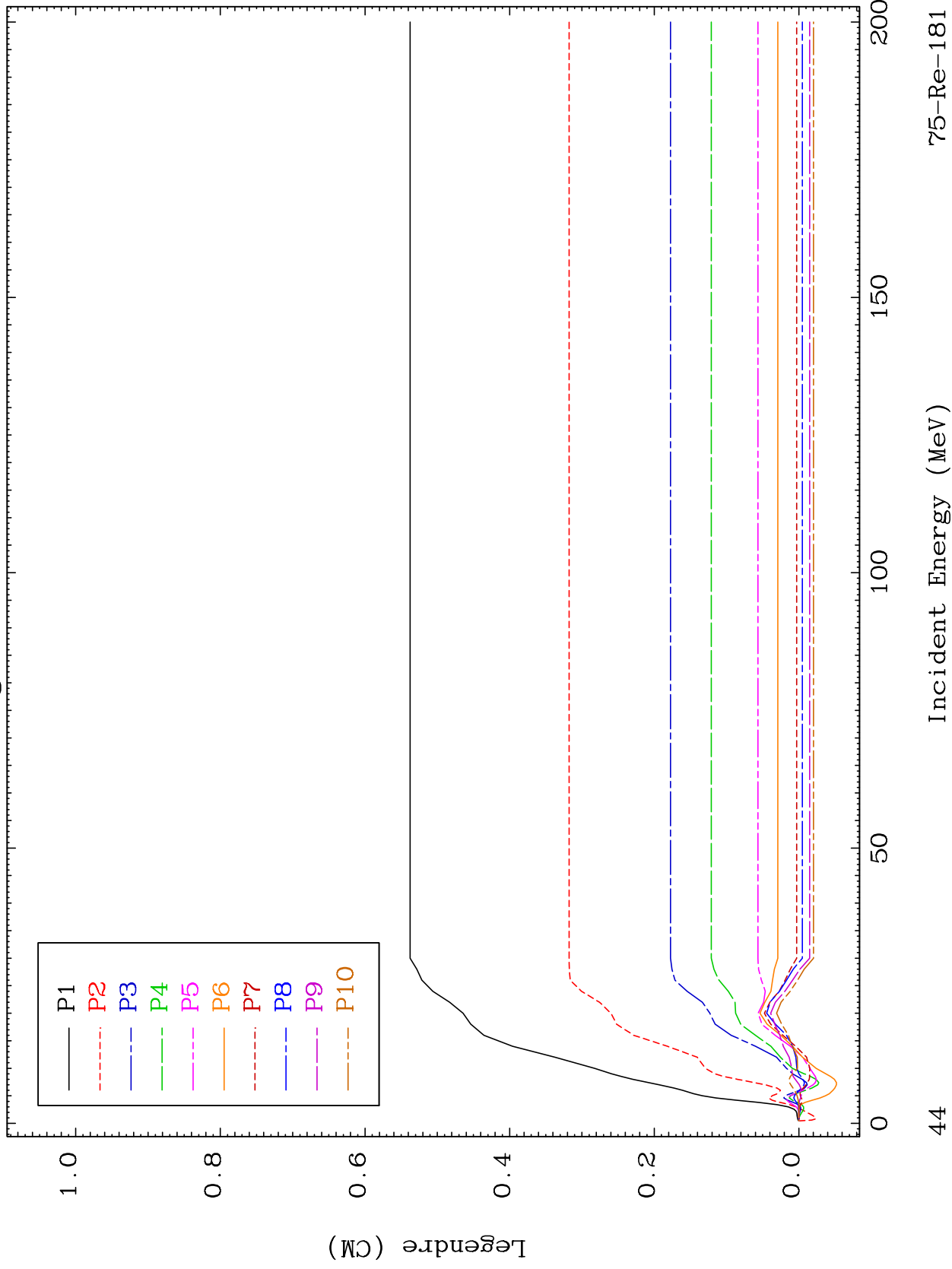




MAT 7513

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

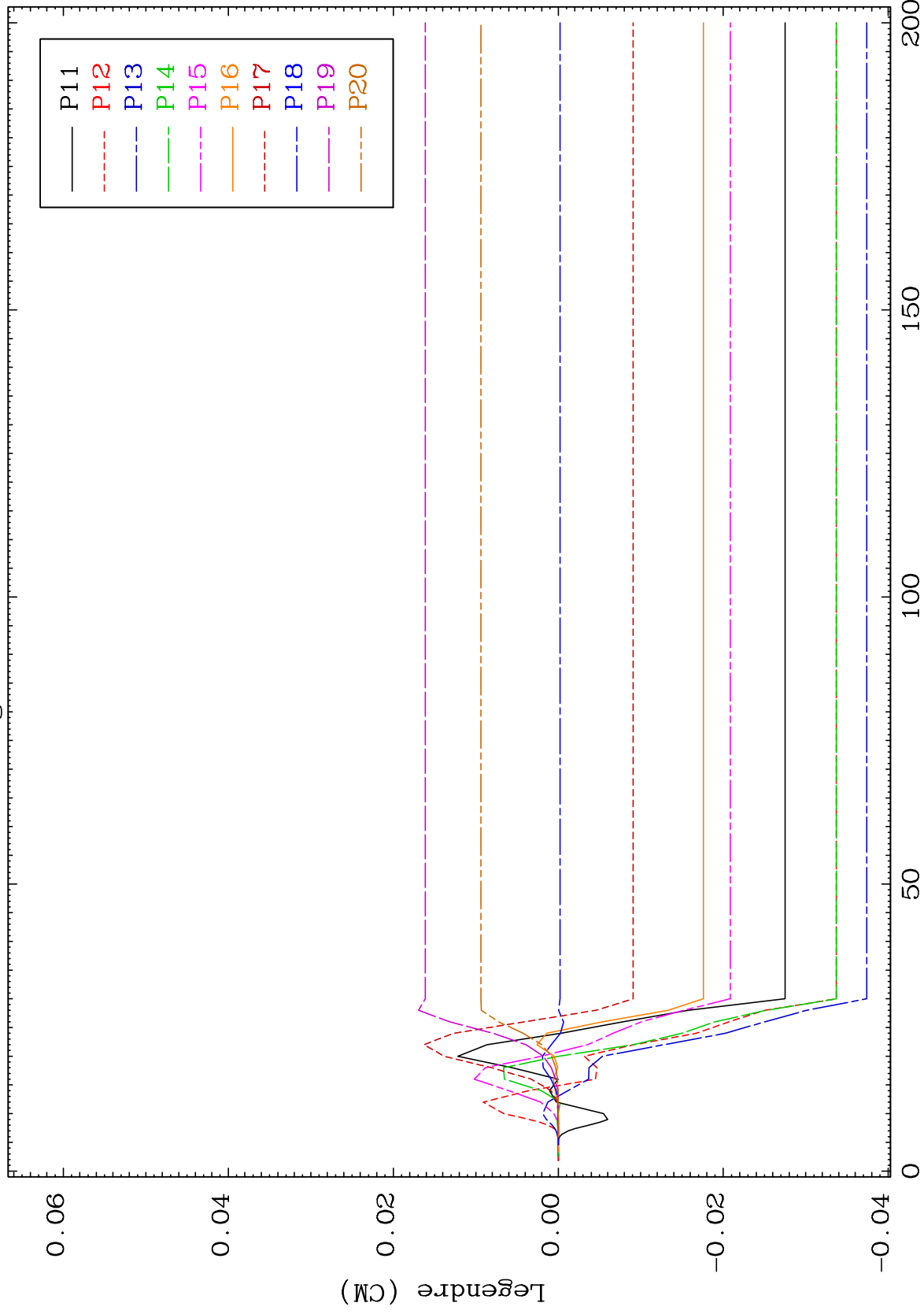
75-Re-181



MAT 7513

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

75-Re-181



45

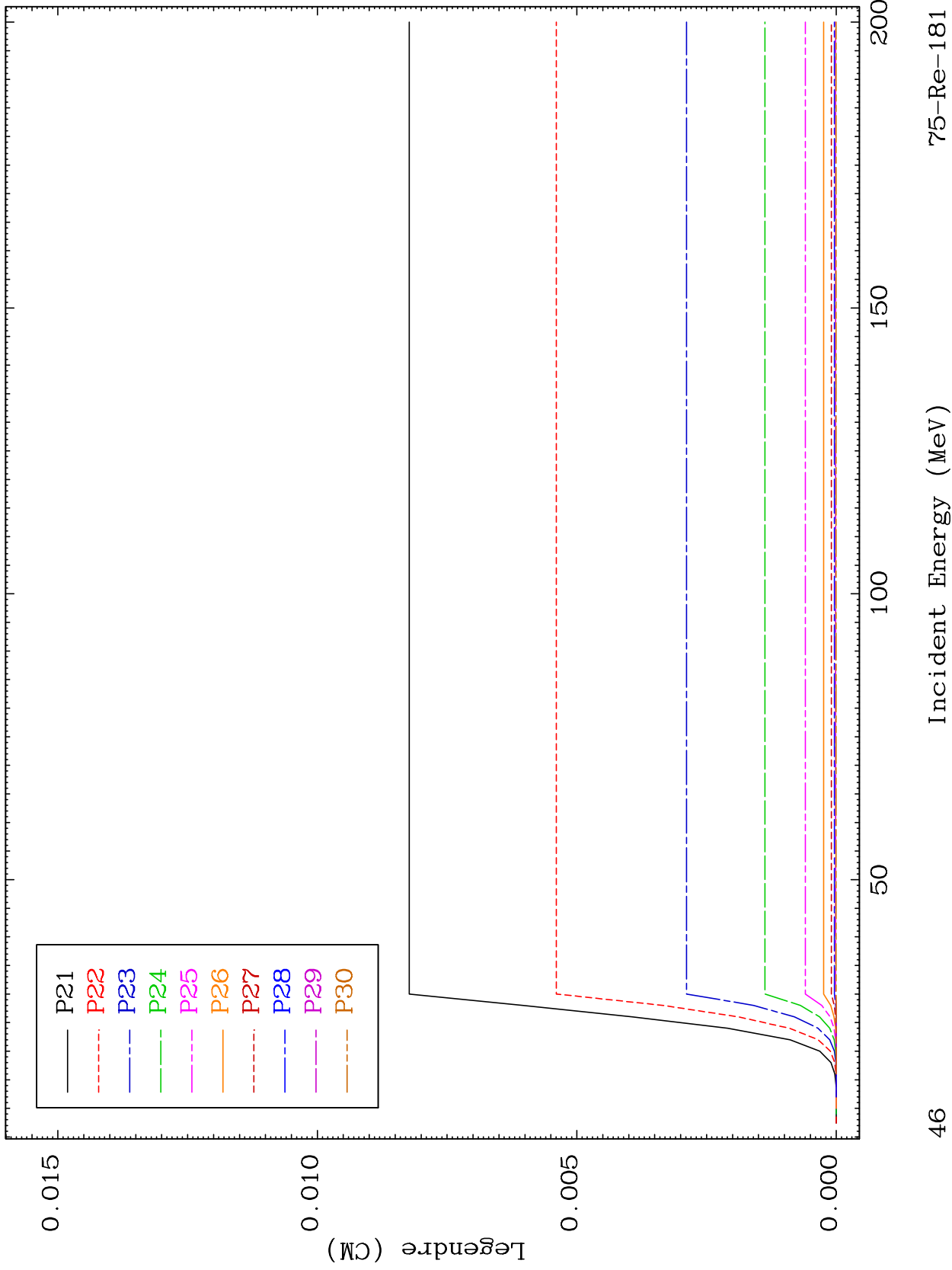
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



46

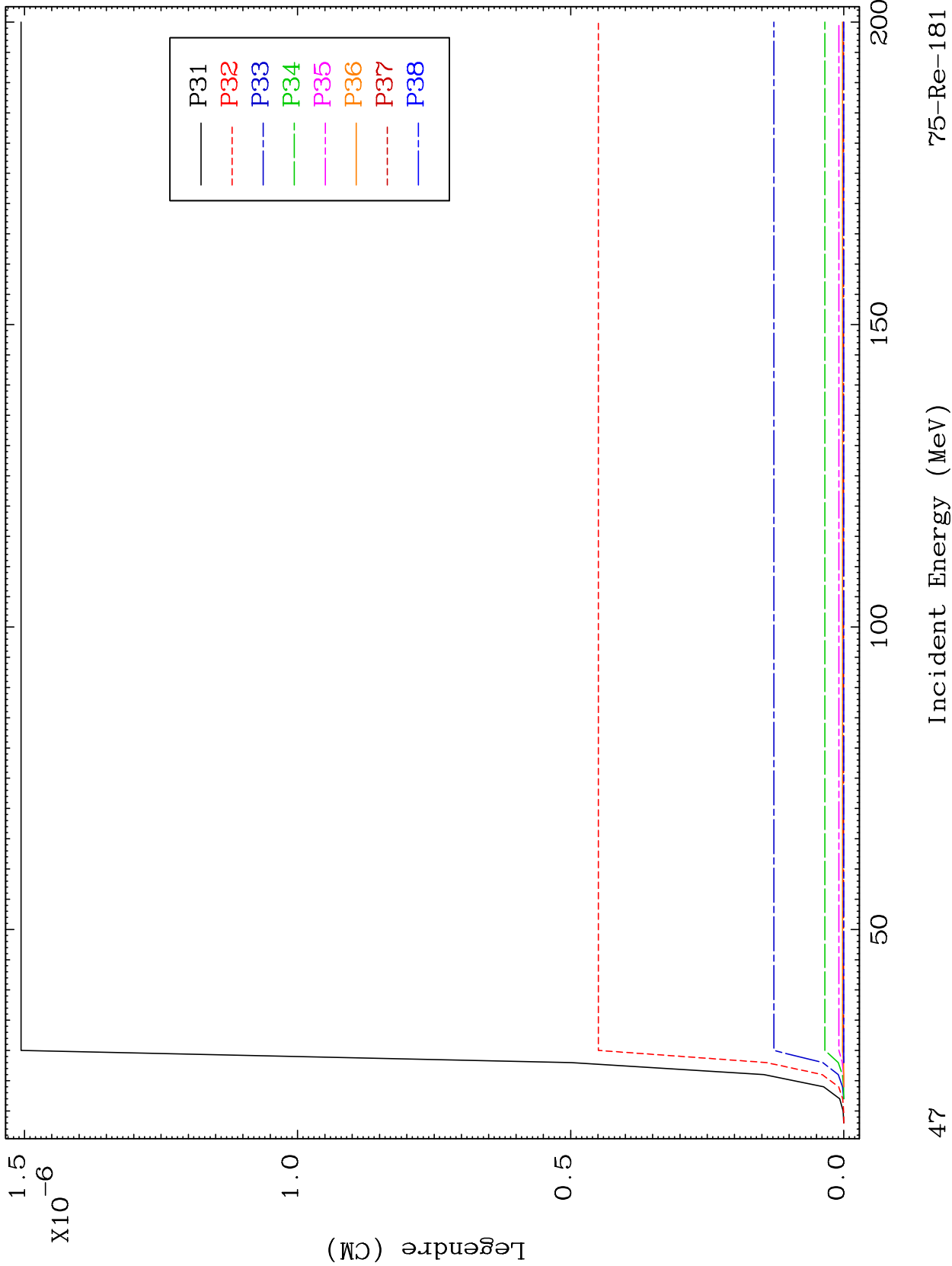
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



47

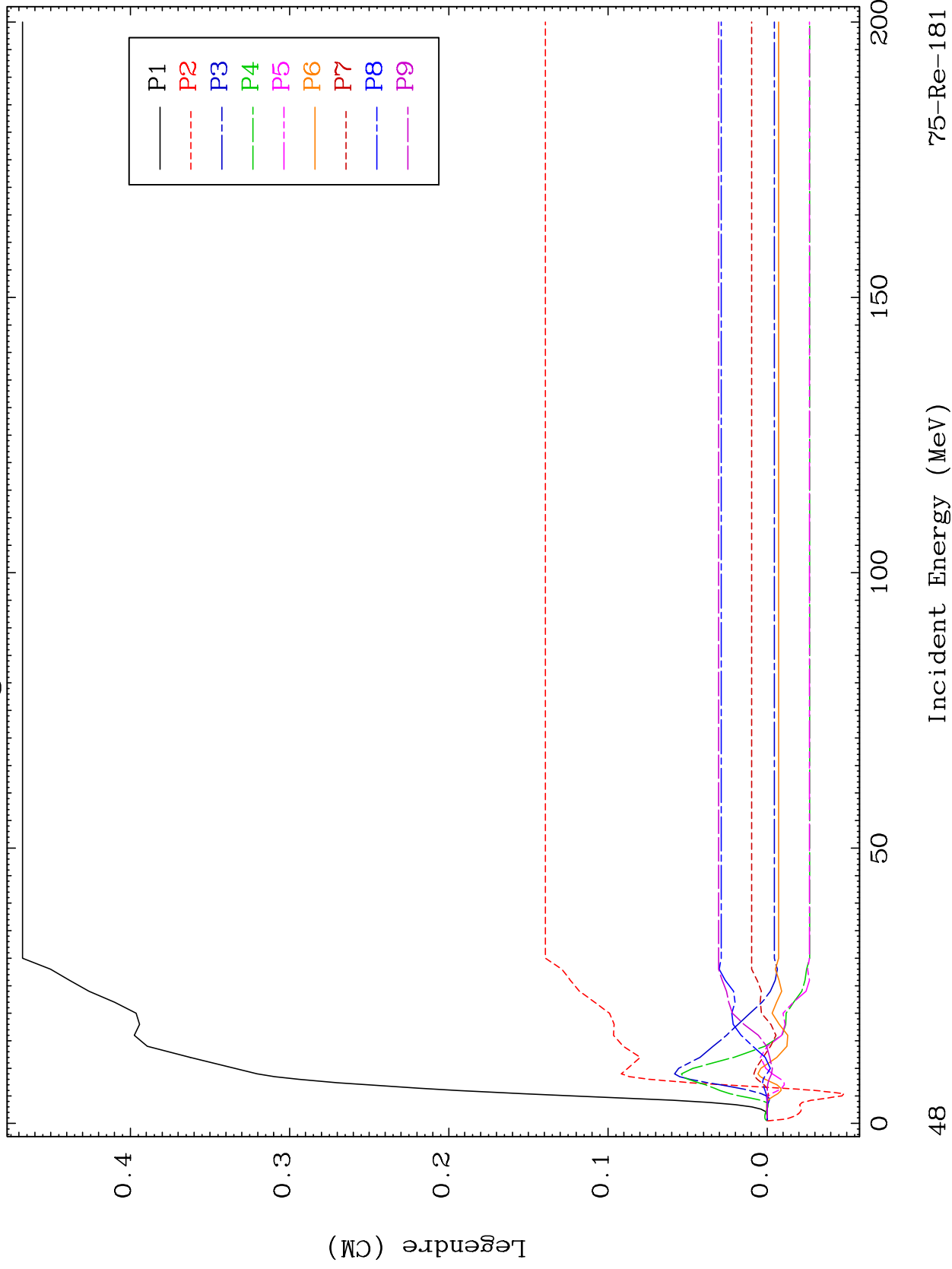
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



75-Re-181

Incident Energy (MeV)

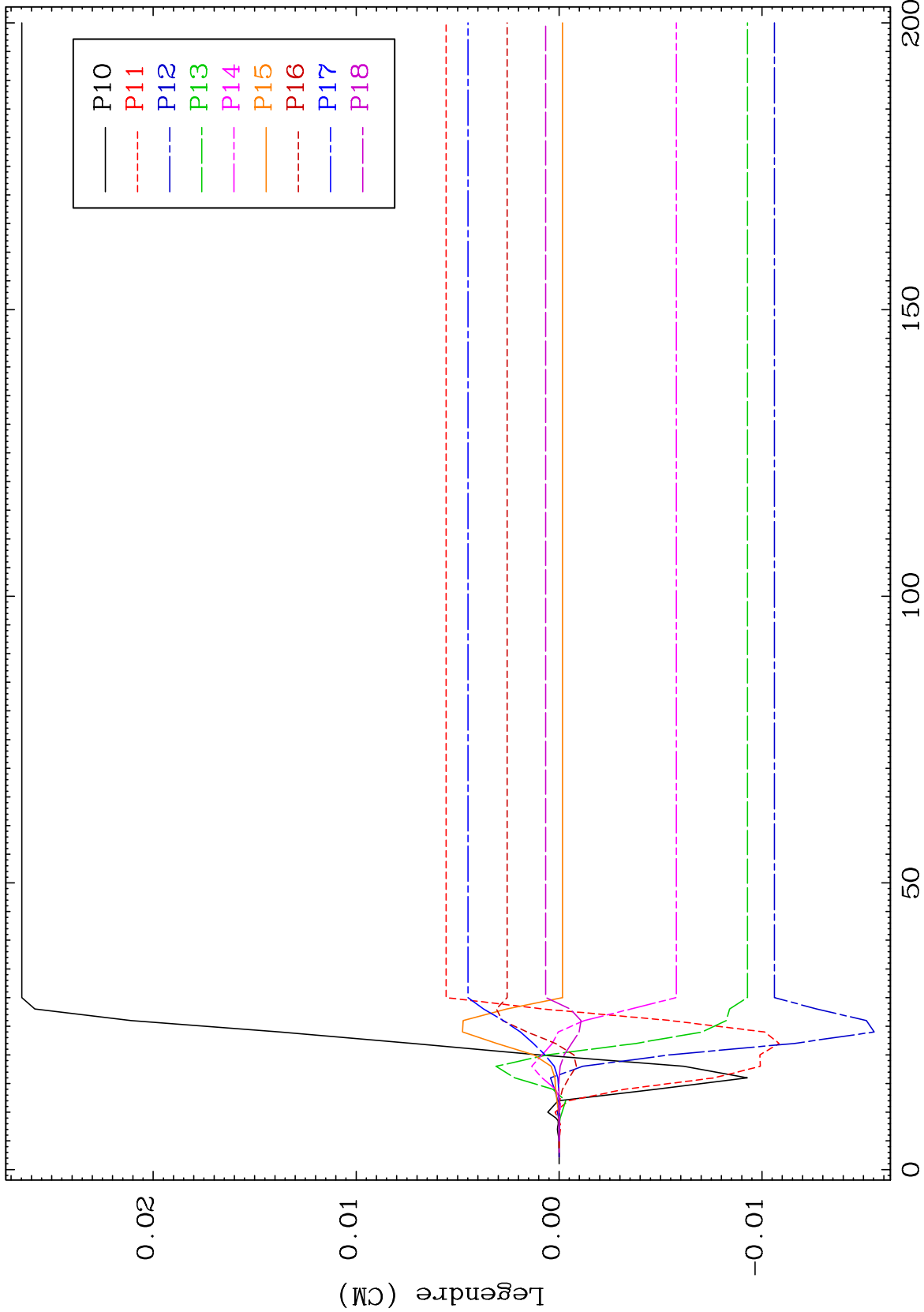
48

MAT 7513

MT= 58 (n,n') Level

75-Re-181

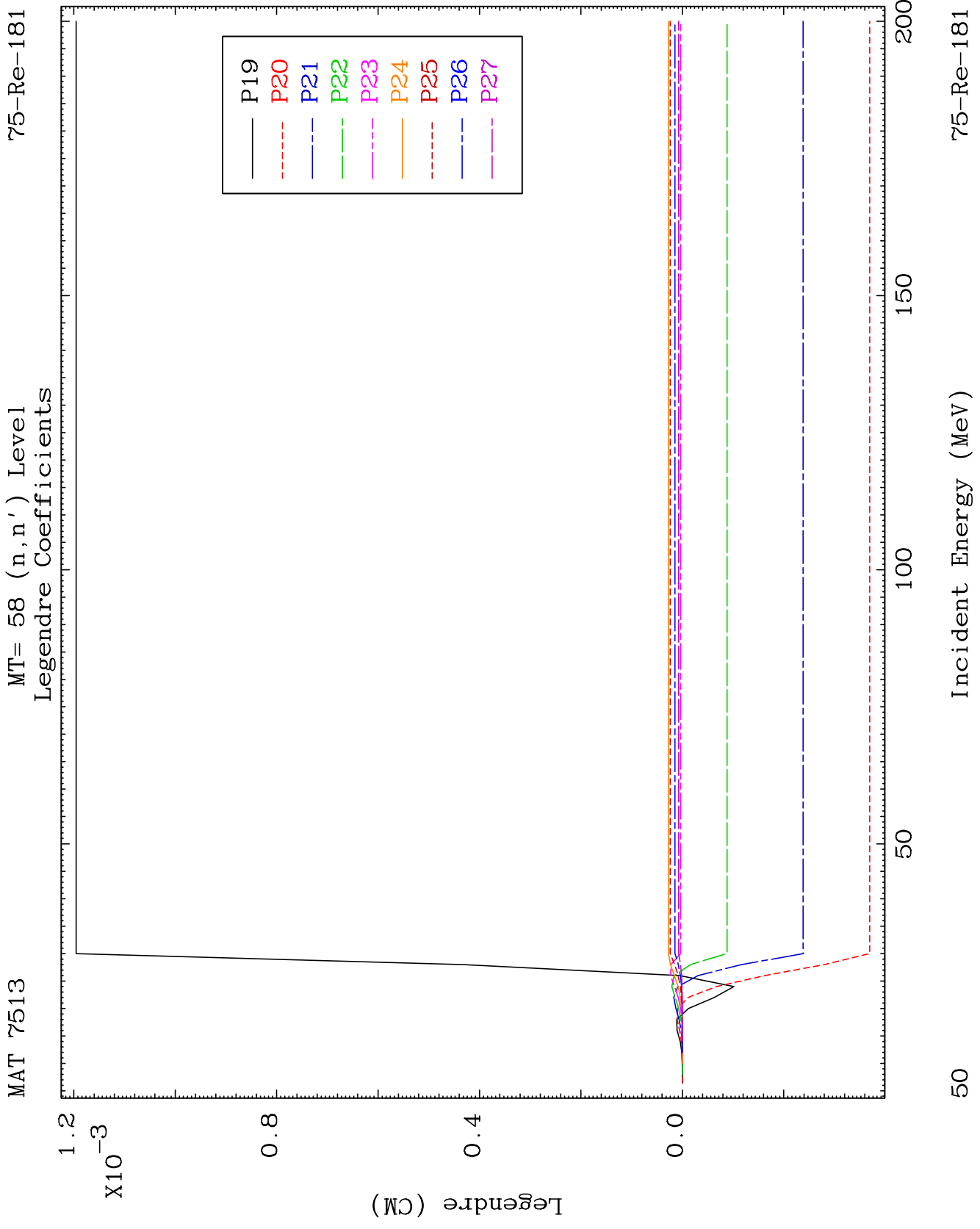
Legendre Coefficients



49

Incident Energy (MeV)

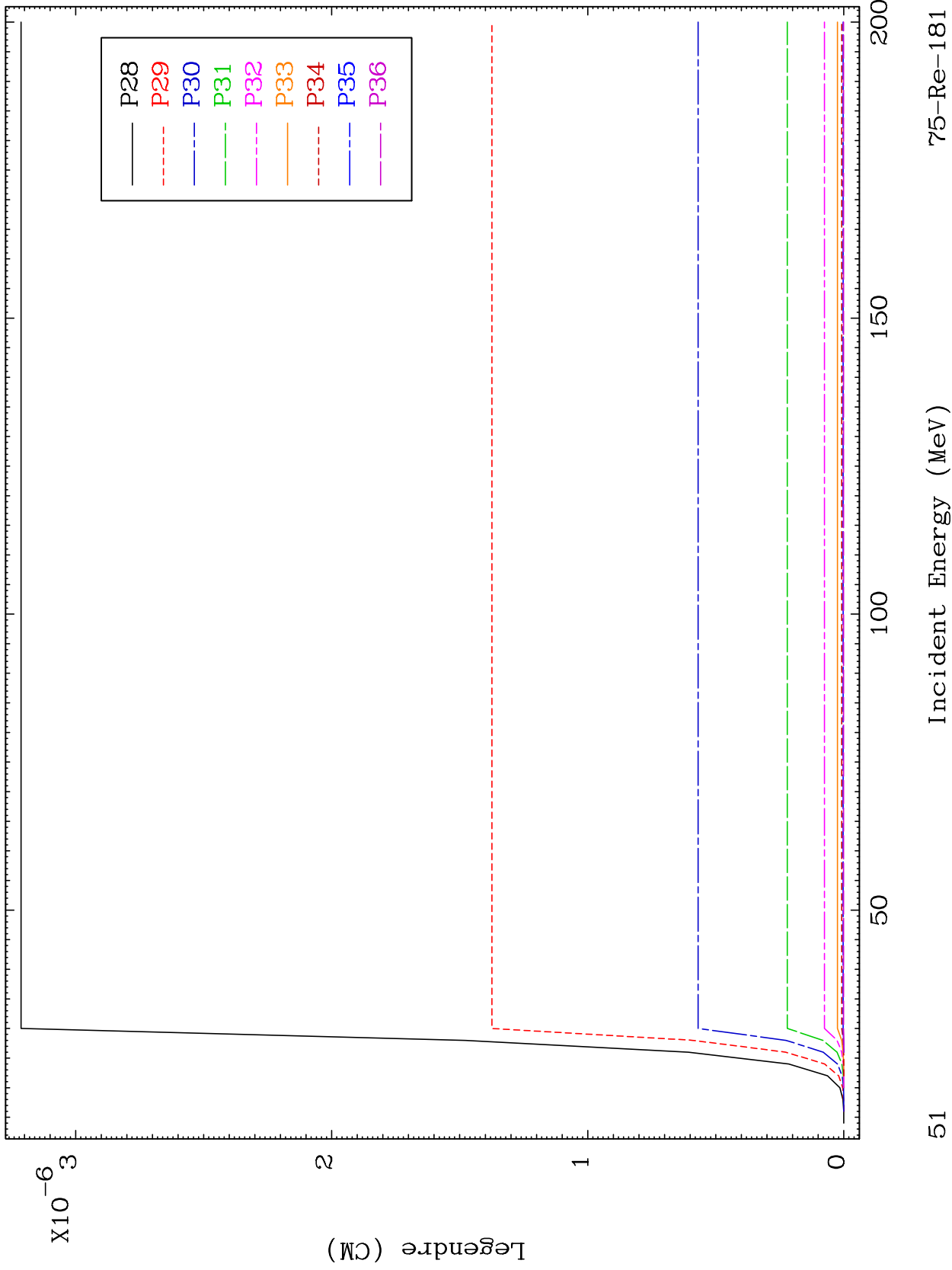
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MAT 7513

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

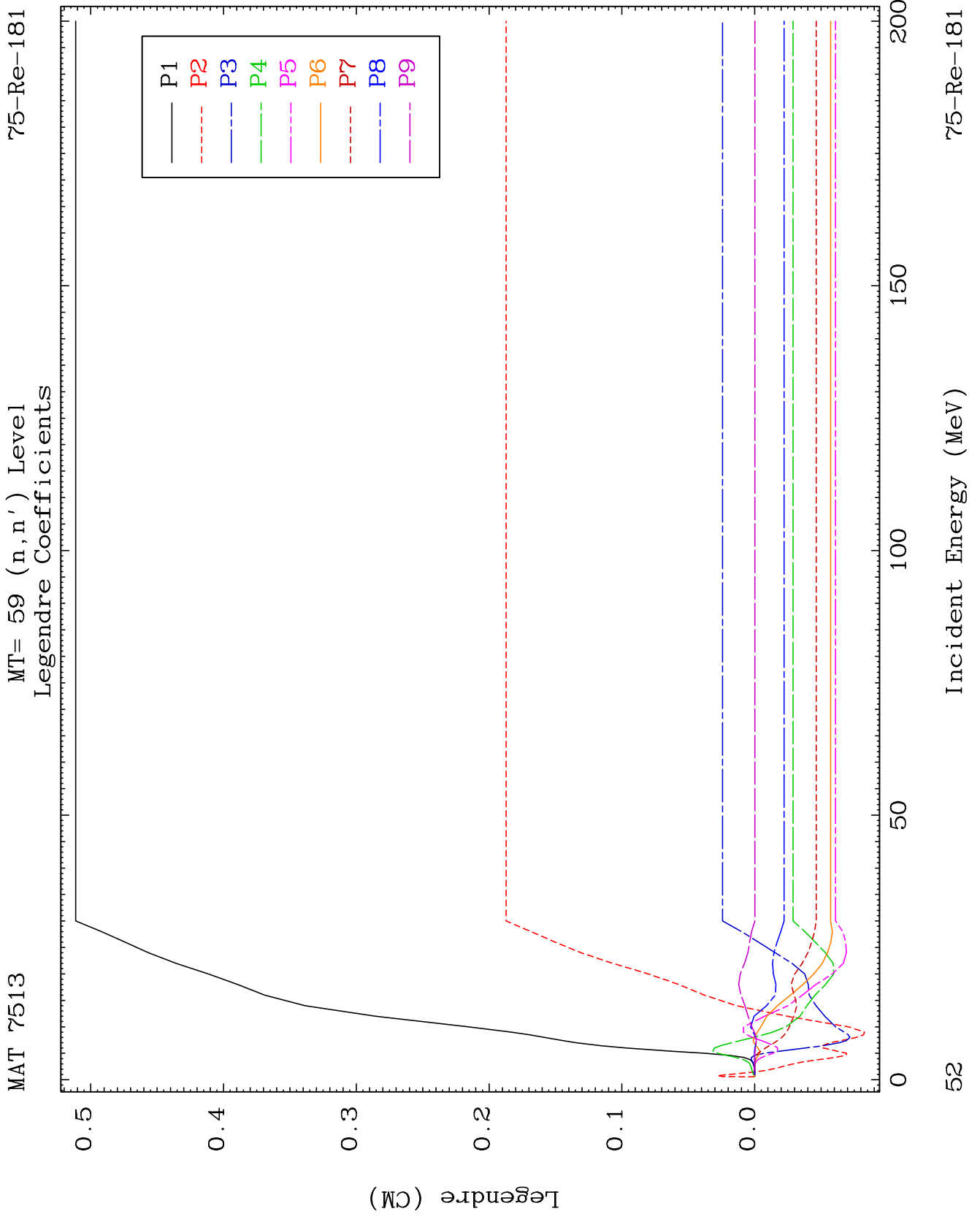
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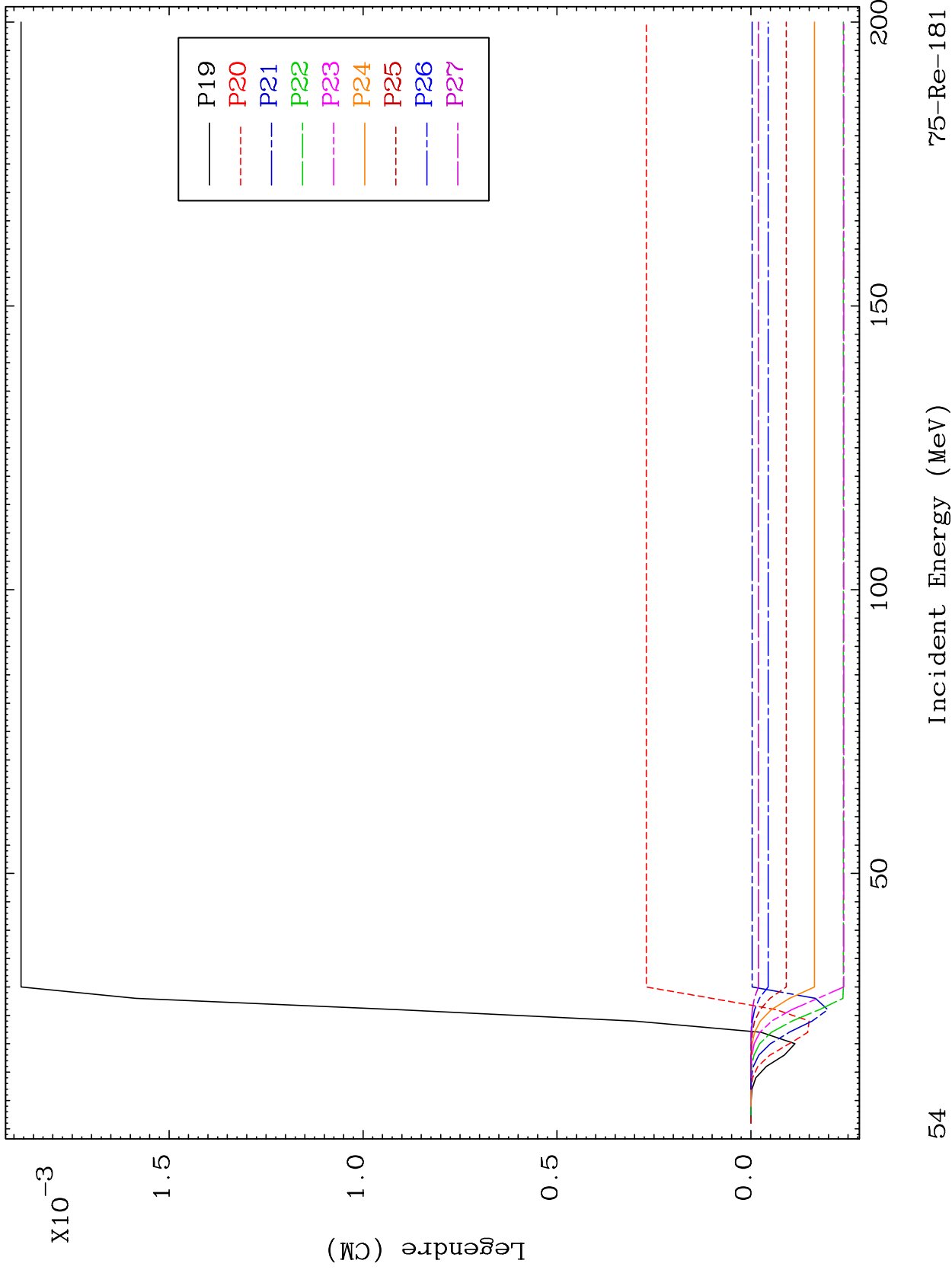


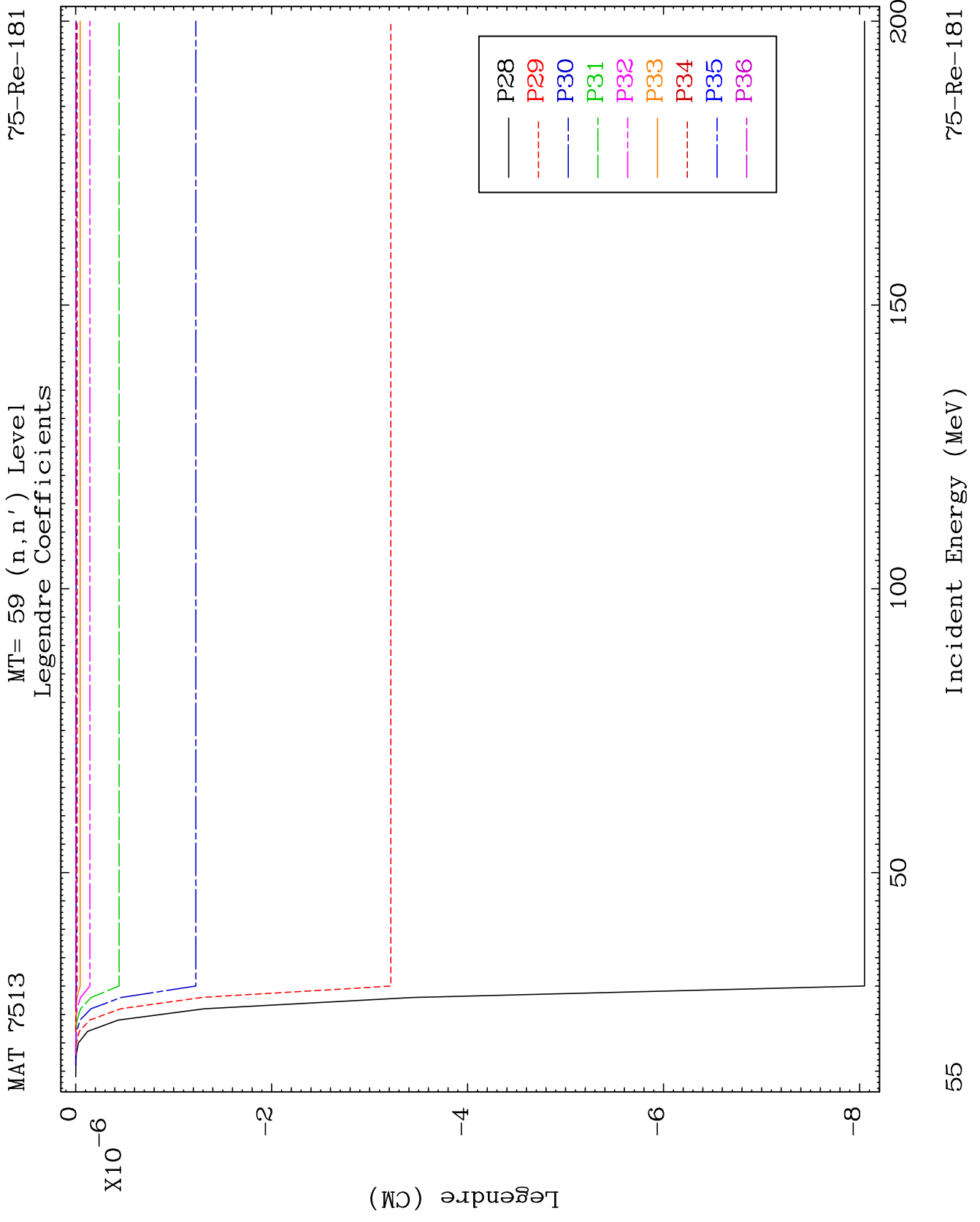
51

Incident Energy (MeV)

75-Re-181



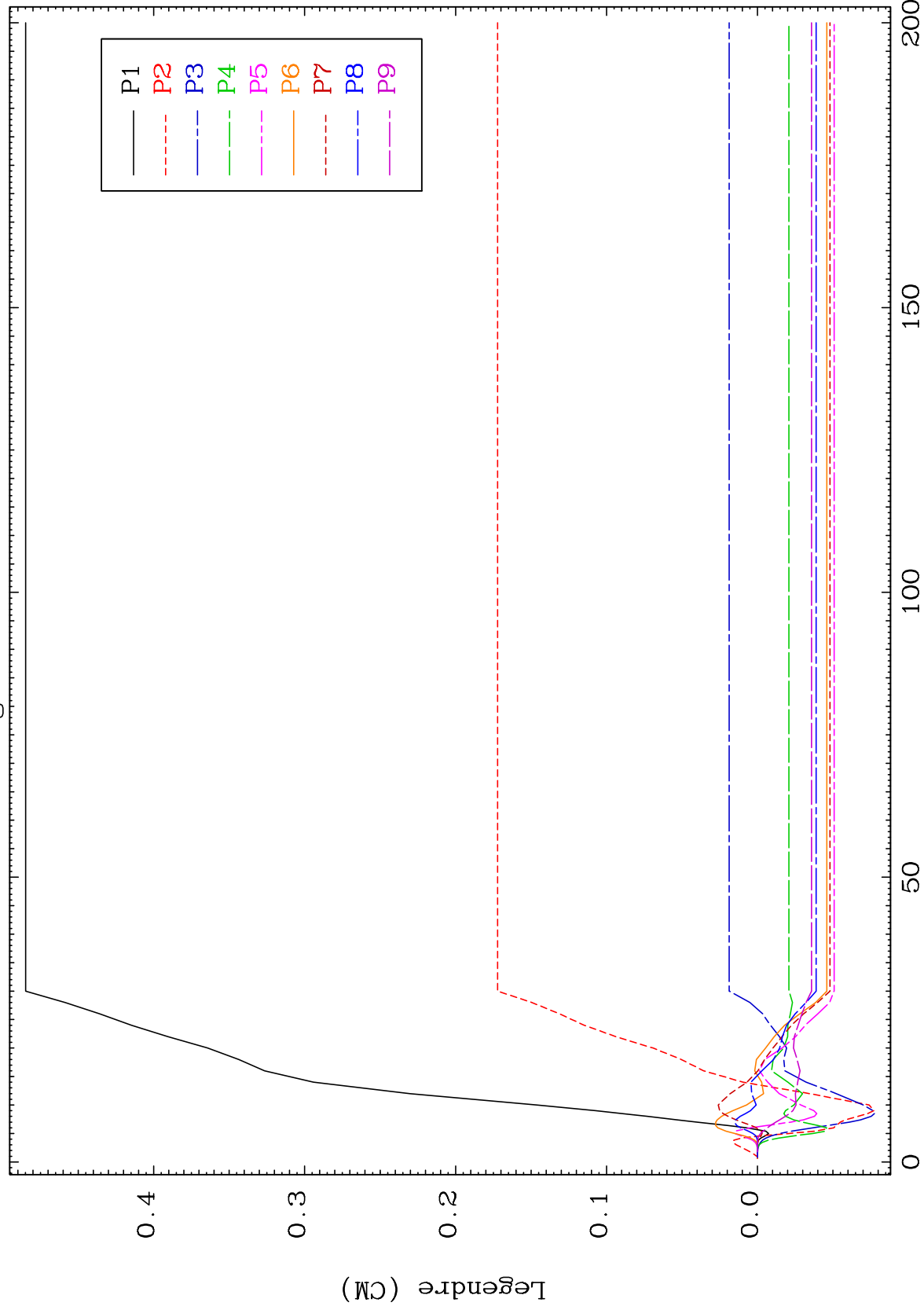




MAT 7513

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

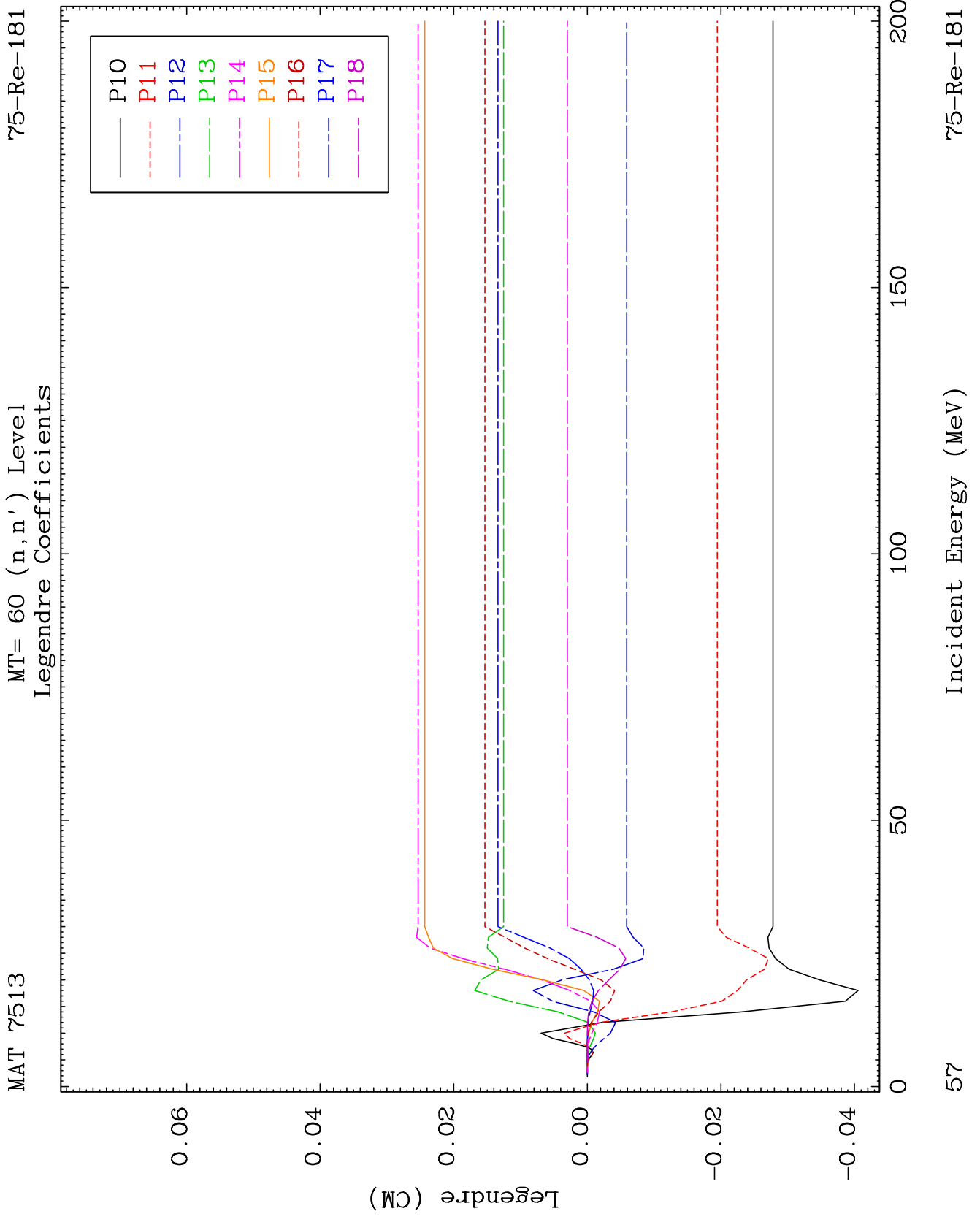
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56

Incident Energy (MeV)

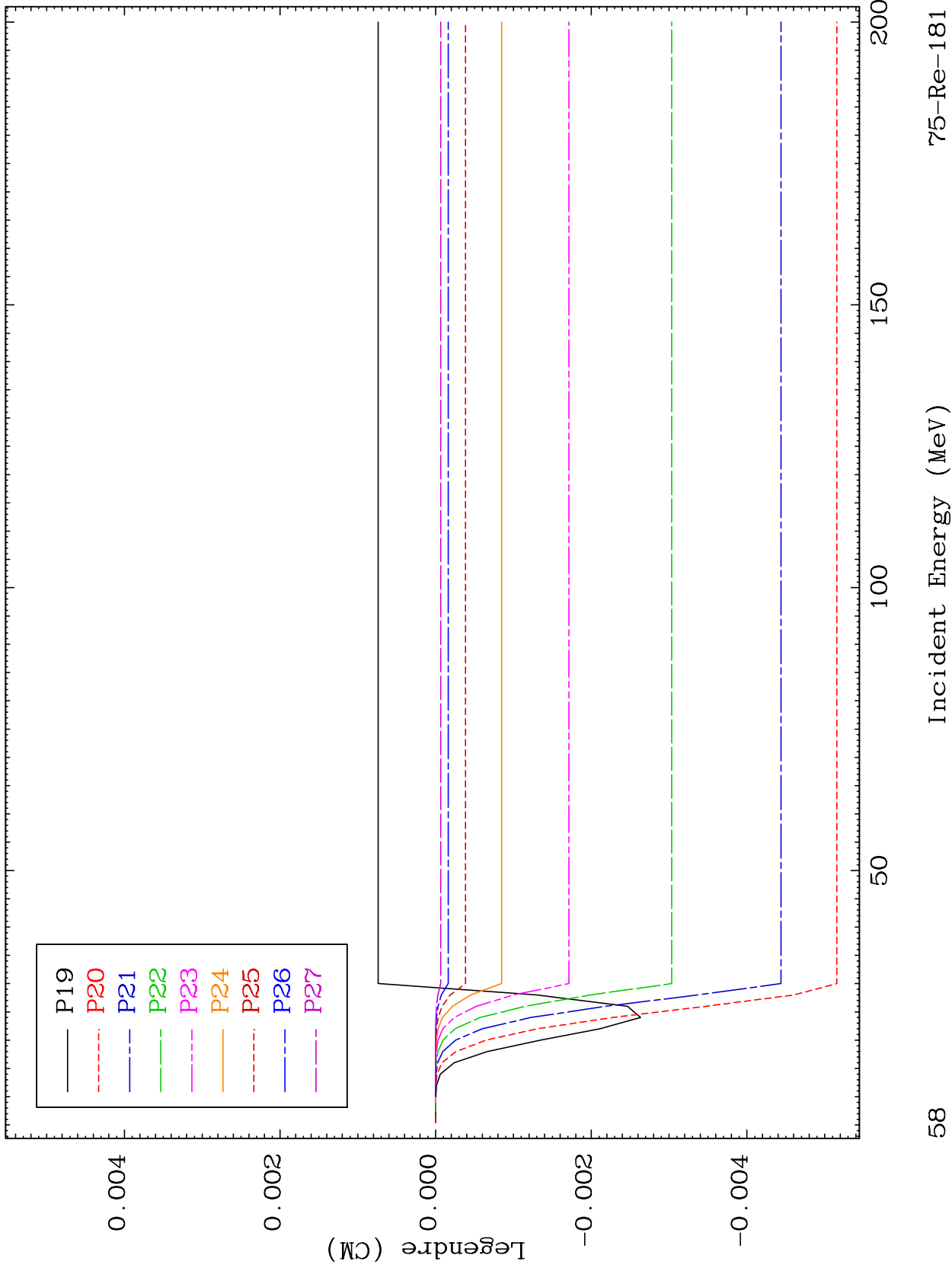
75-Re-181



MAT 7513

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

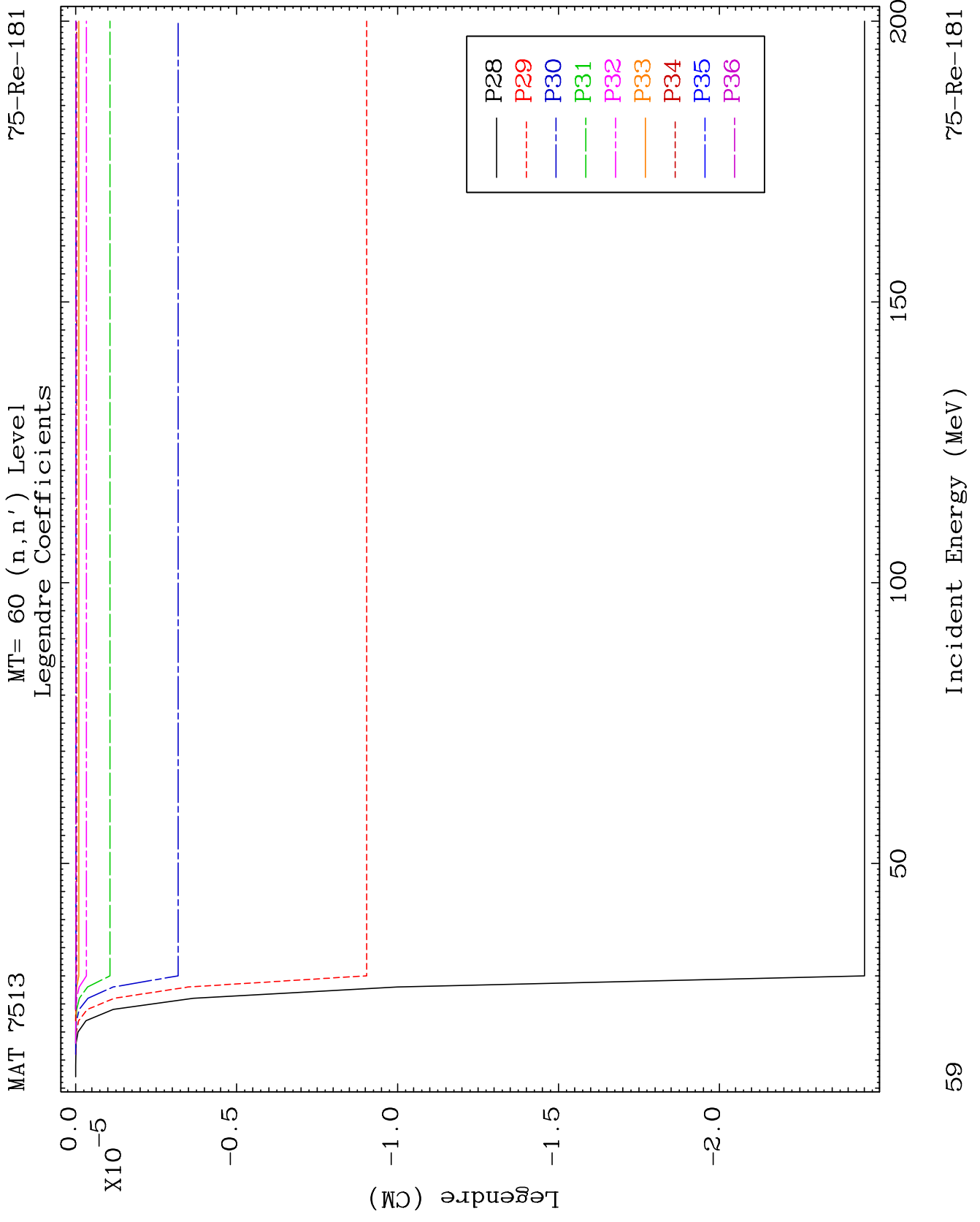
75-Re-181



58

Incident Energy (MeV)

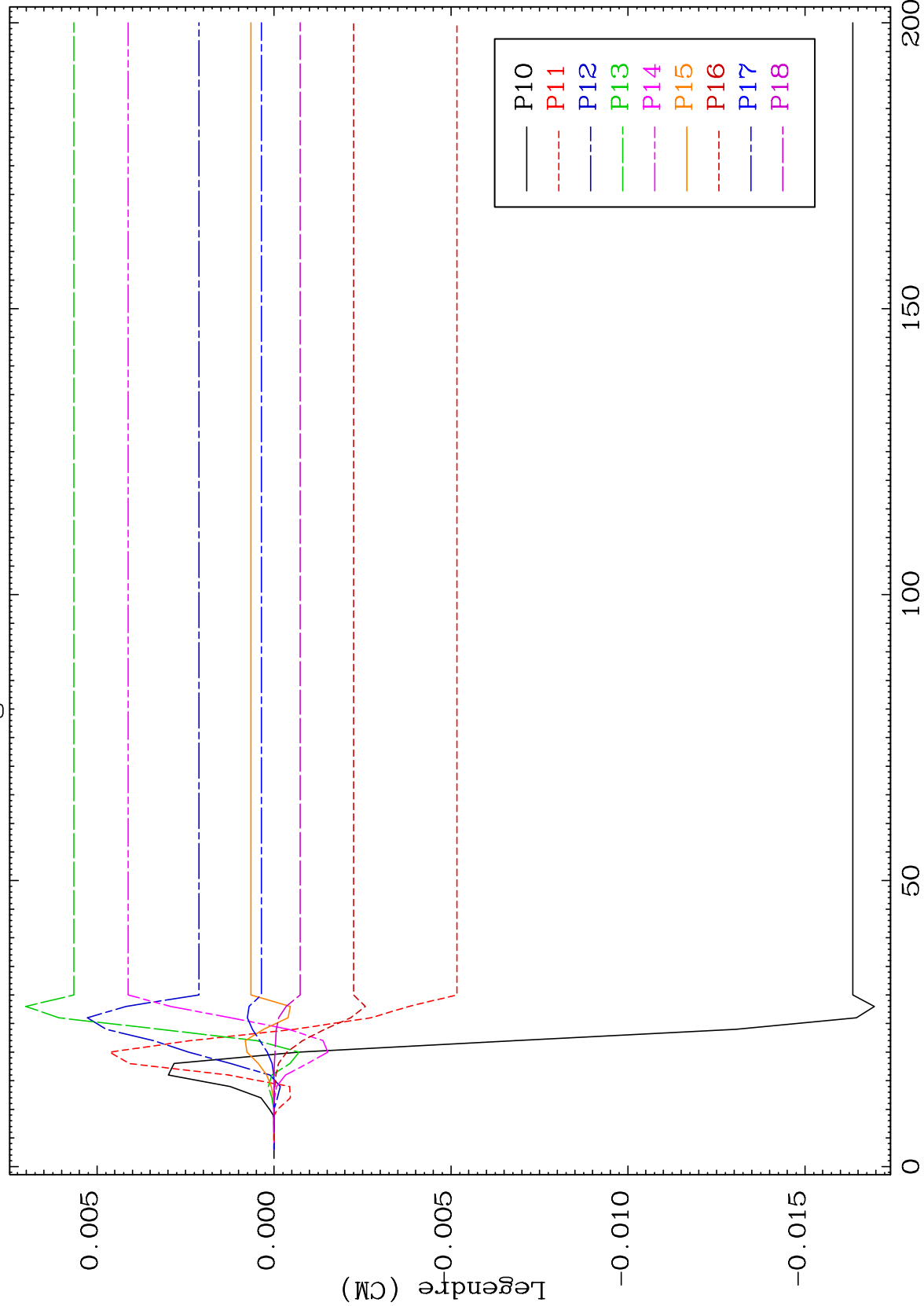
75-Re-181



MAT 7513

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

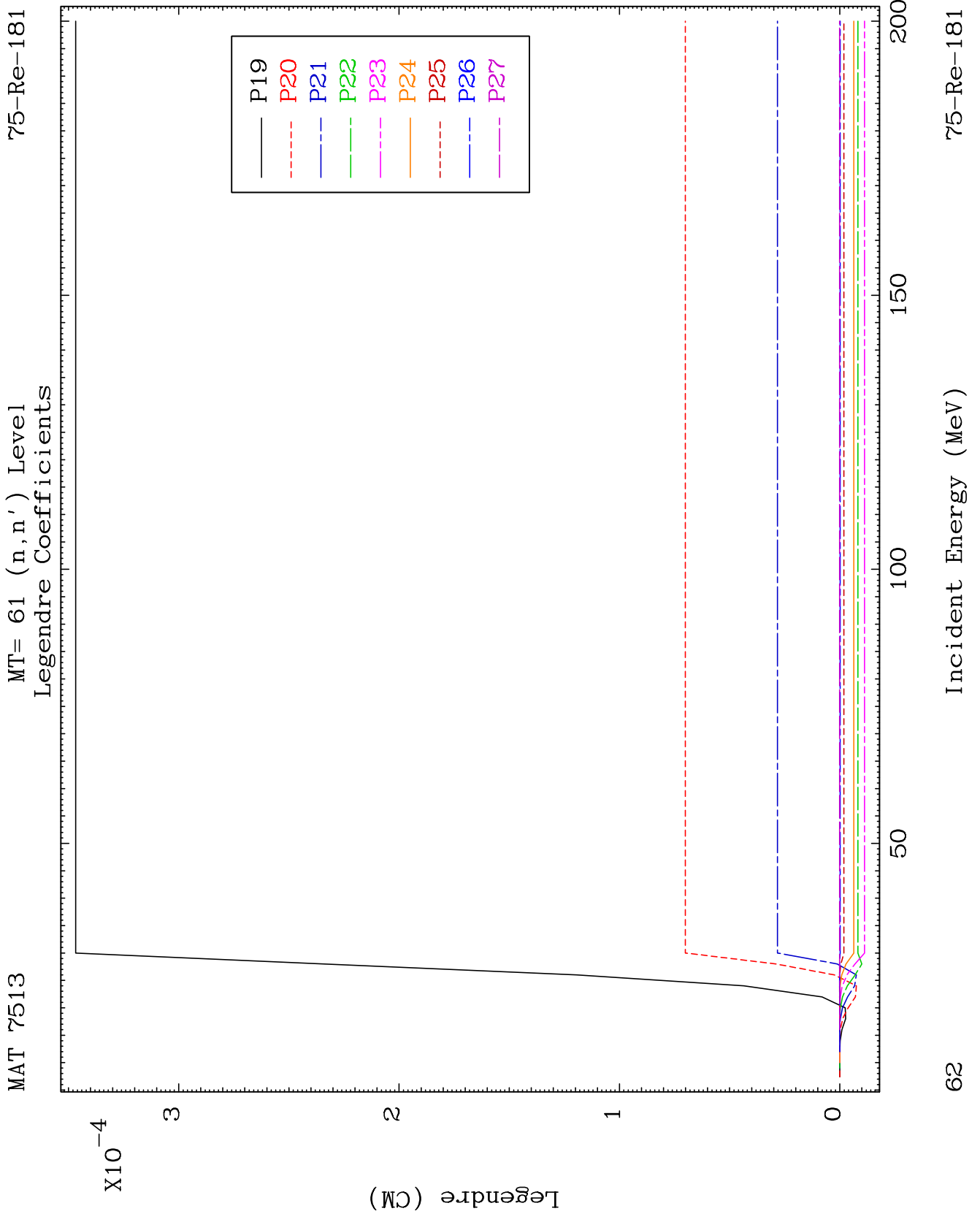
75-Re-181



61

Incident Energy (MeV)

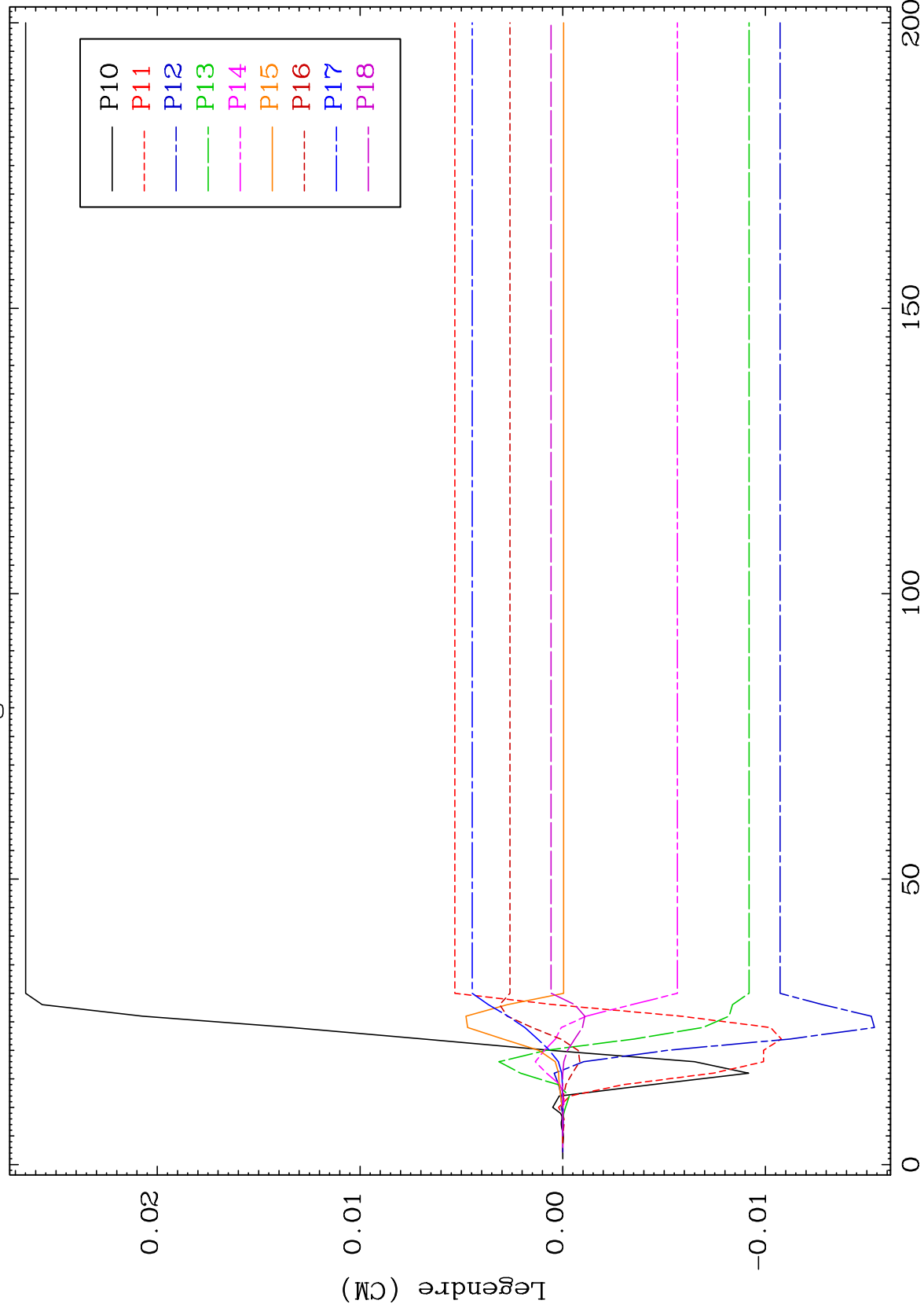
75-Re-181



MAT 7513

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

75-Re-181



65

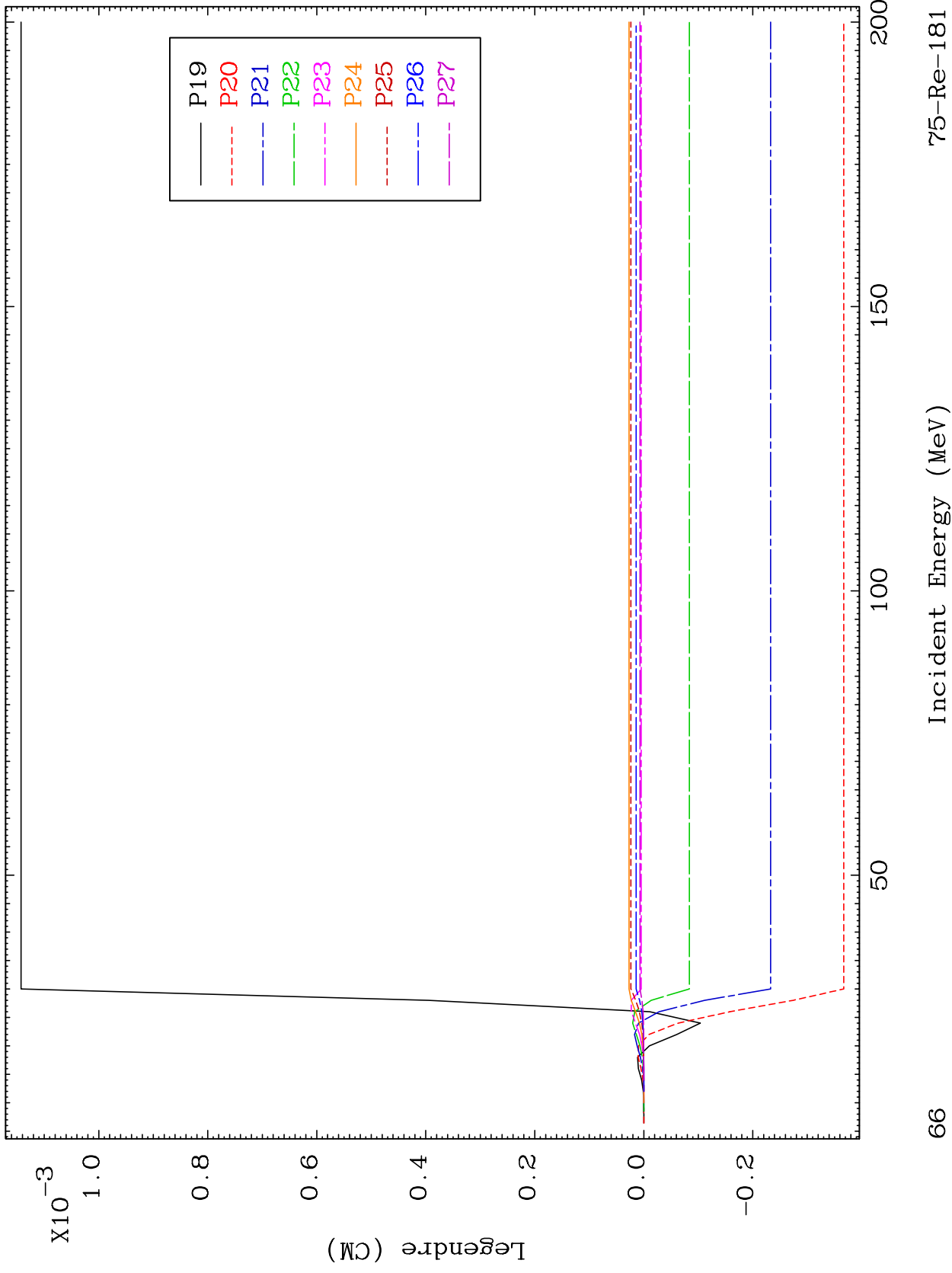
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



66

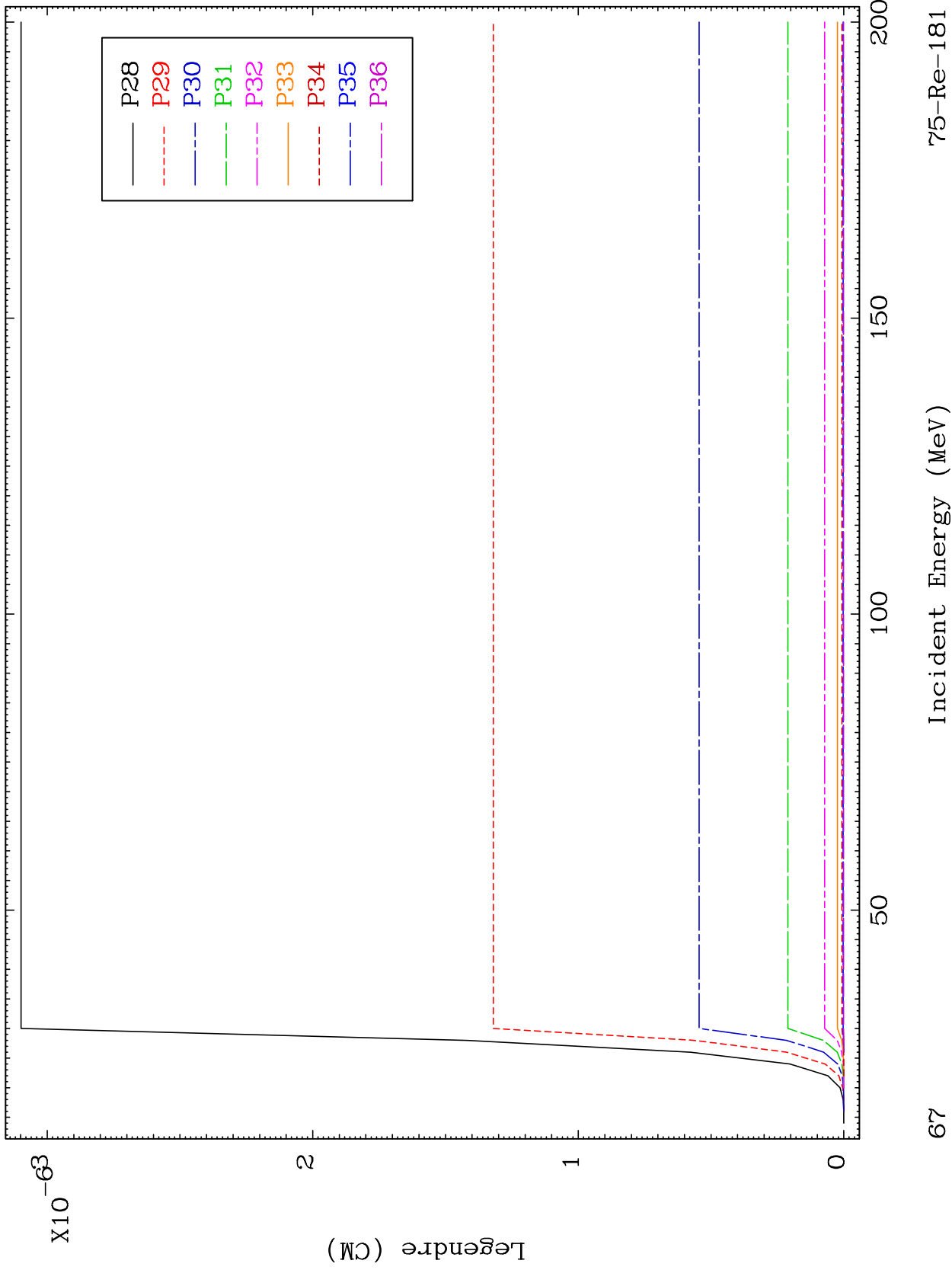
Incident Energy (MeV)

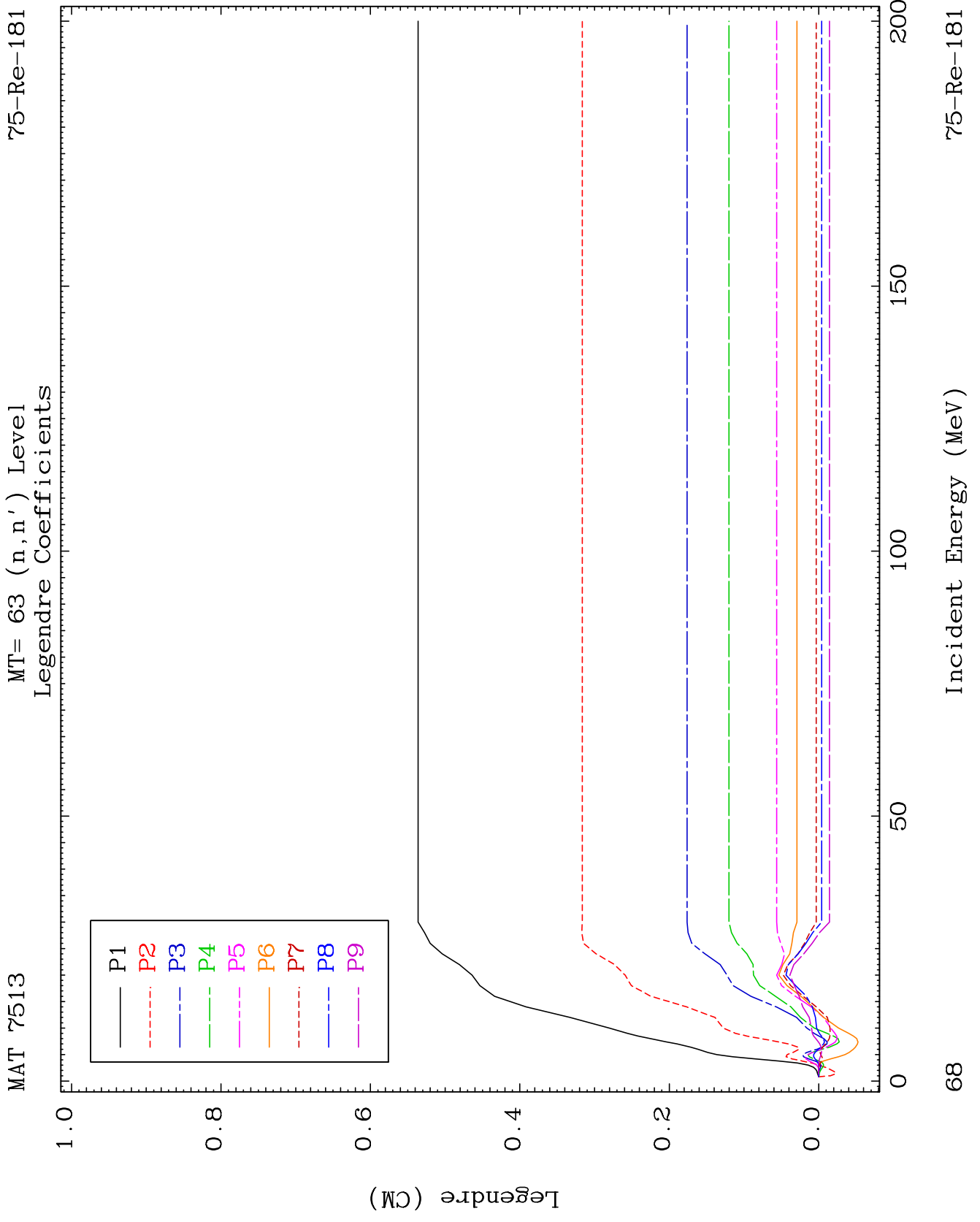
75-Re-181

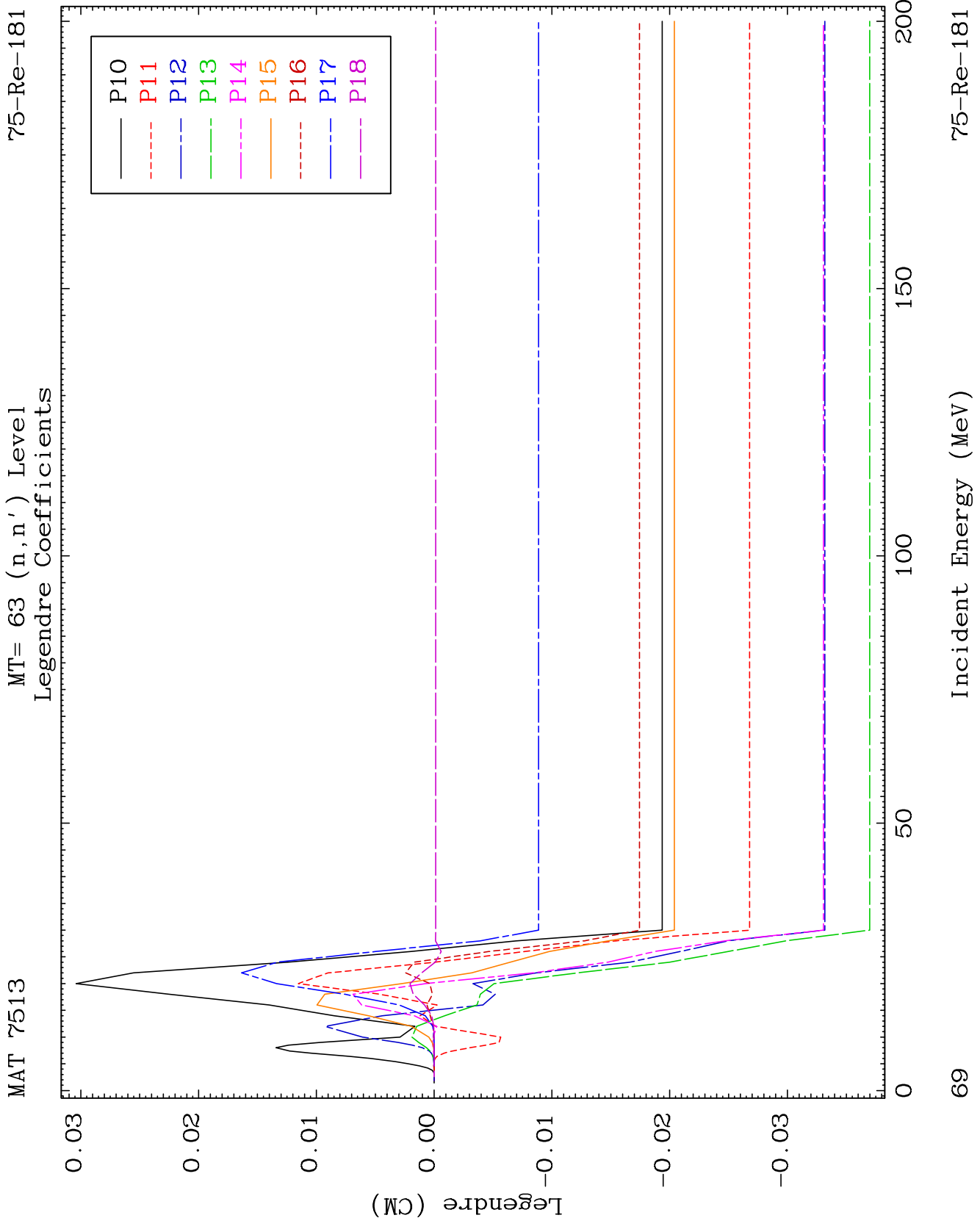
MAT 7513

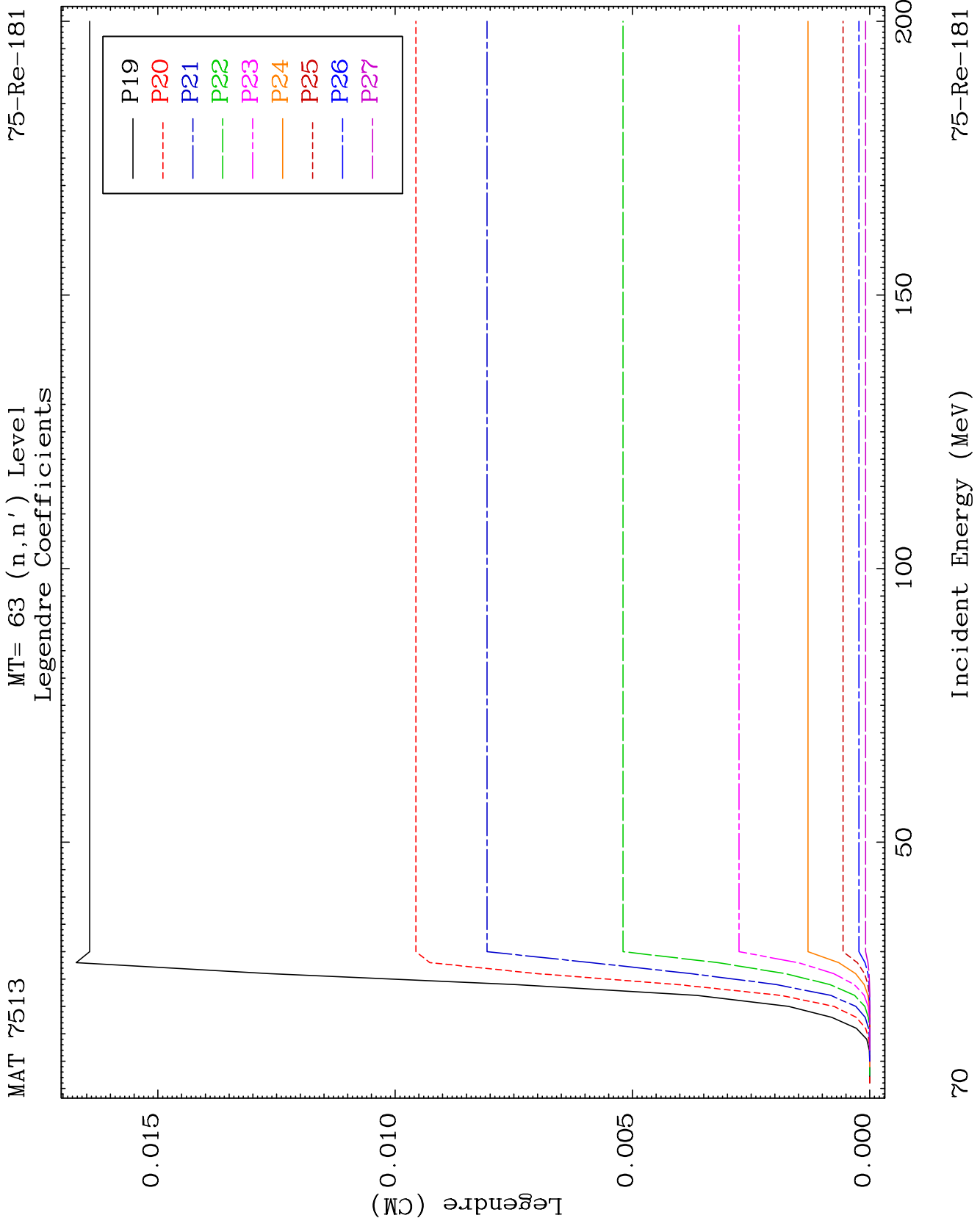
MT= 62 (n,n') Level
Legendre Coefficients

75-Re-181





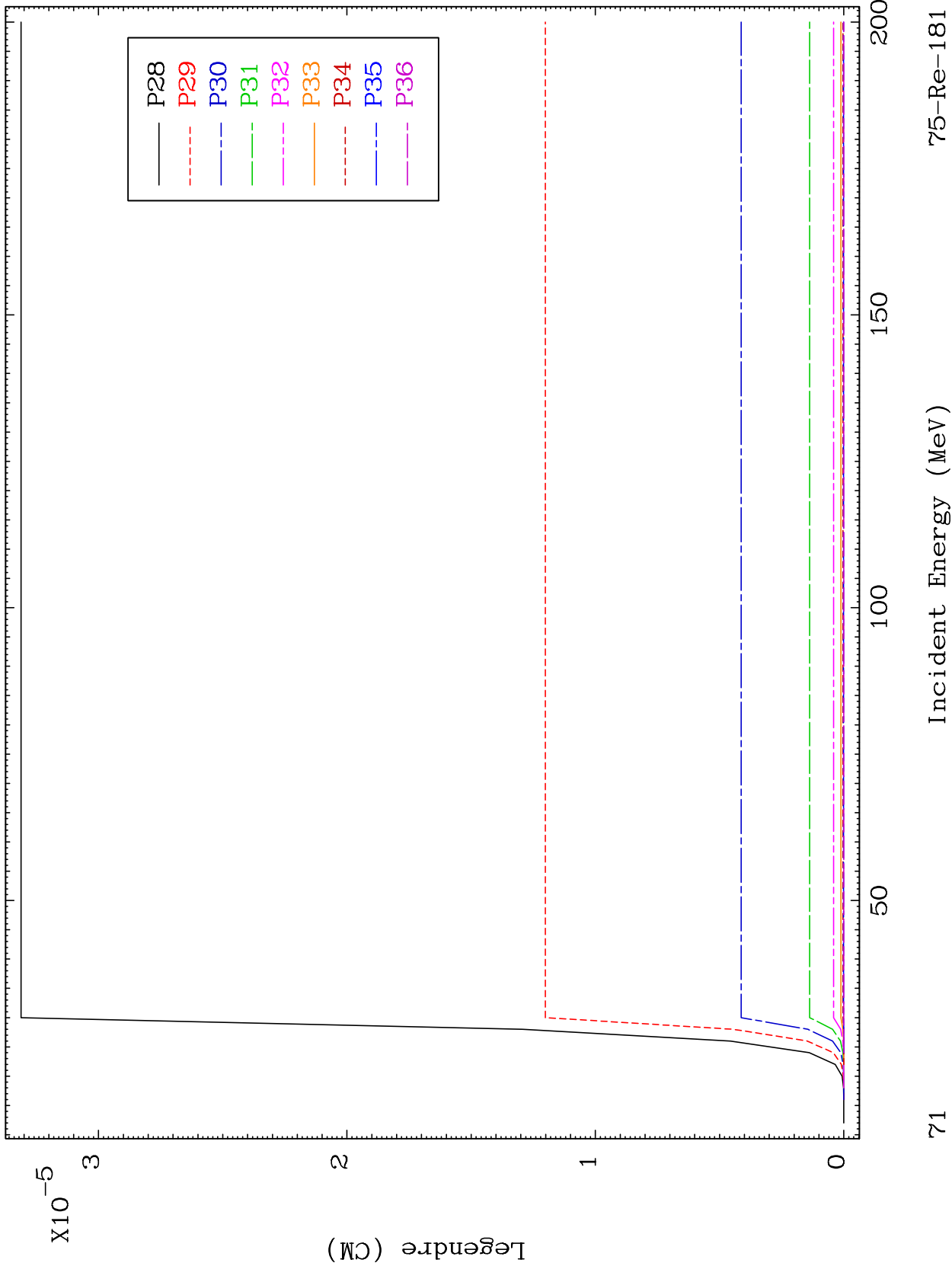




MAT 7513

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

75-Re-181



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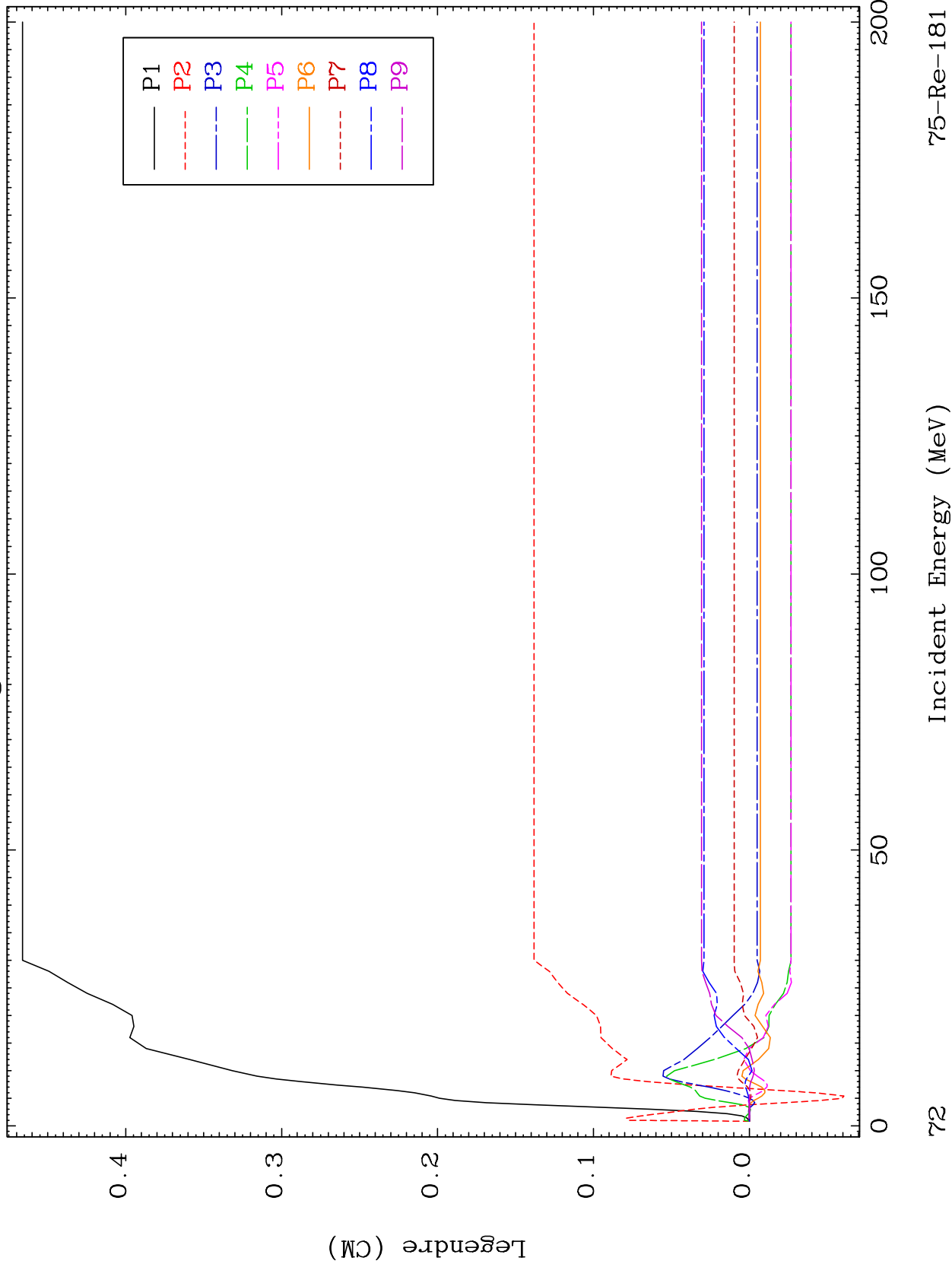
Incident Energy (MeV)

75-Re-181

MAT 7513

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

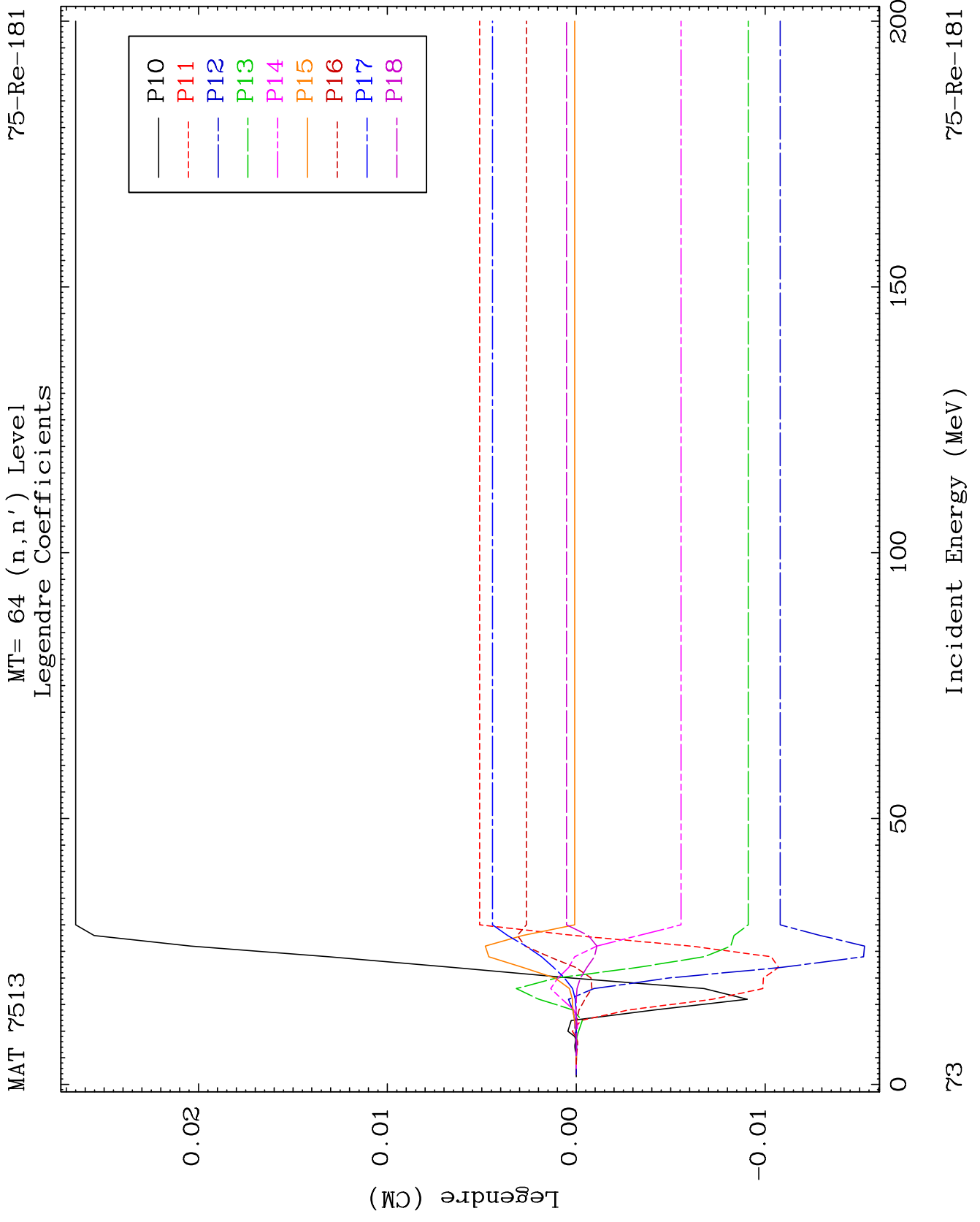
75-Re-181



72

Incident Energy (MeV)

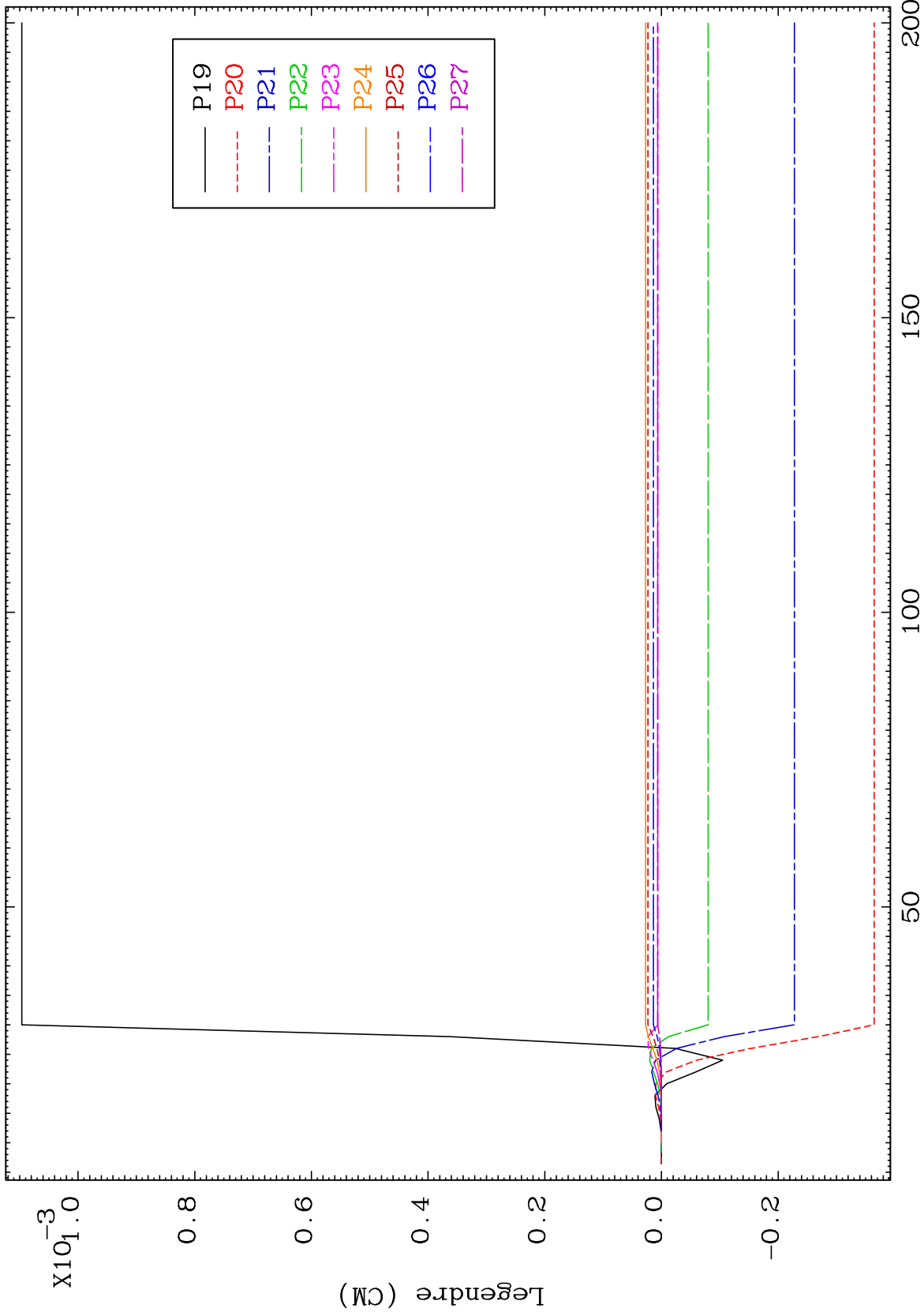
75-Re-181



MAT 7513

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

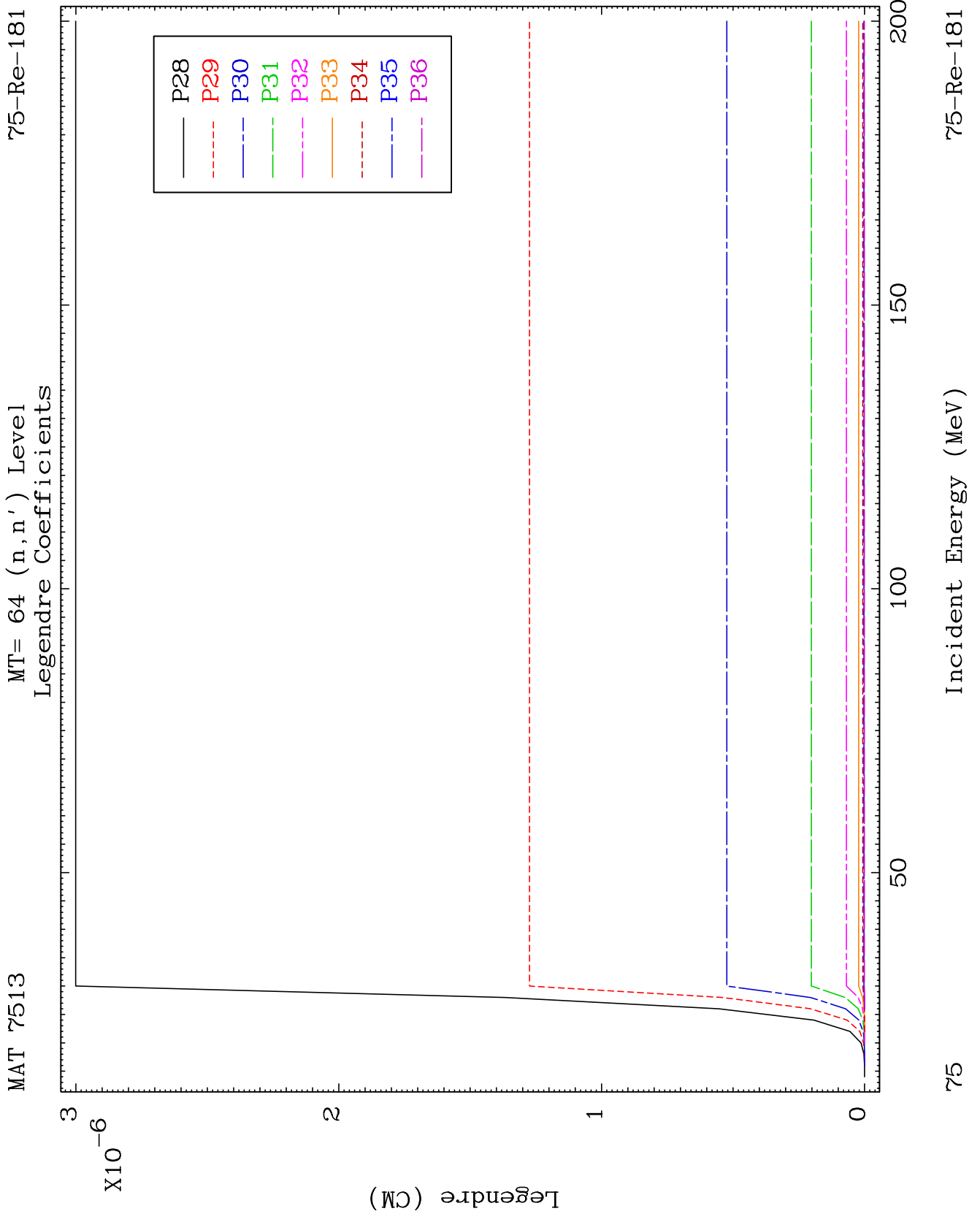
75-Re-181



74

Incident Energy (MeV)

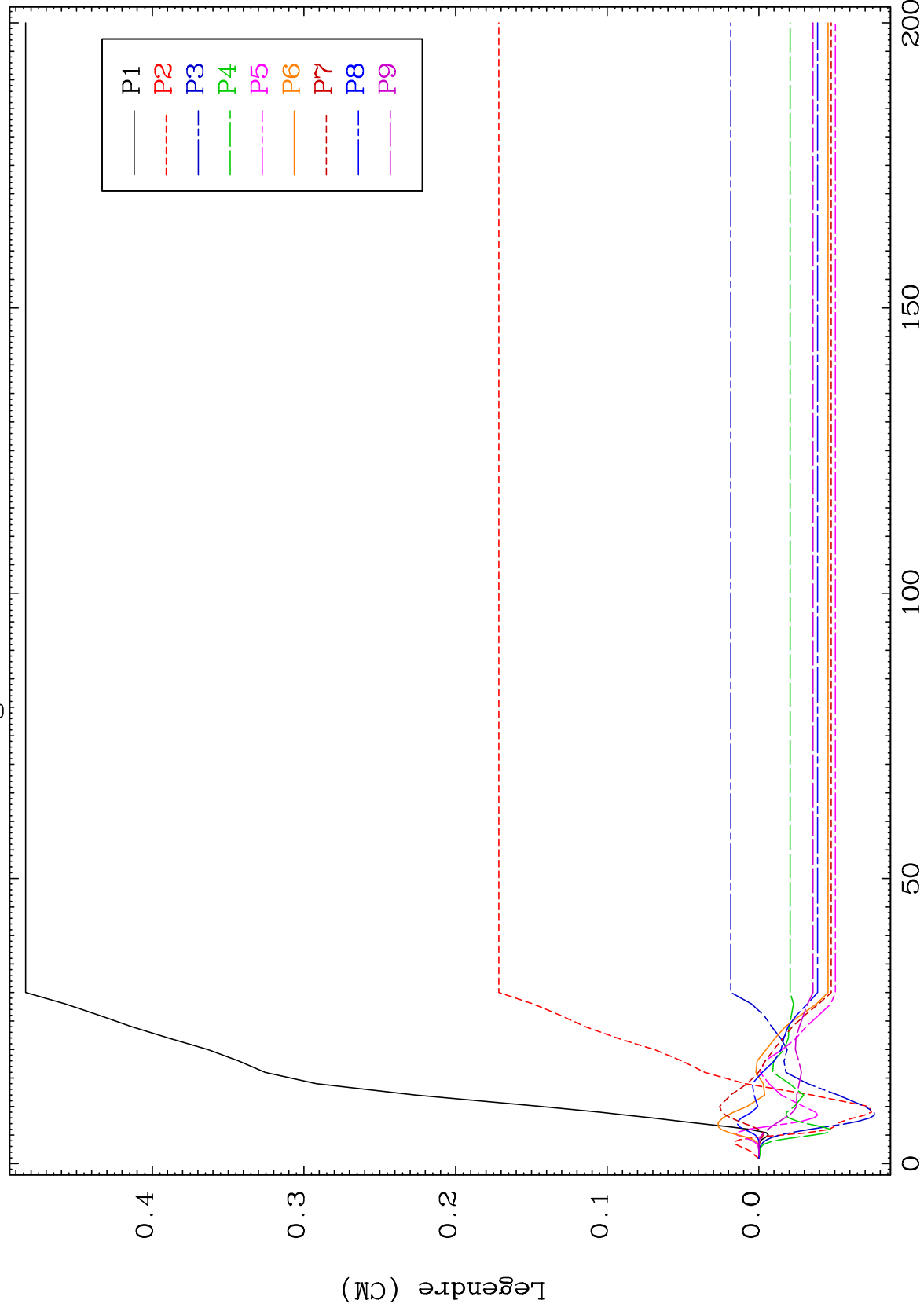
75-Re-181



MAT 7513

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

75-Re-181



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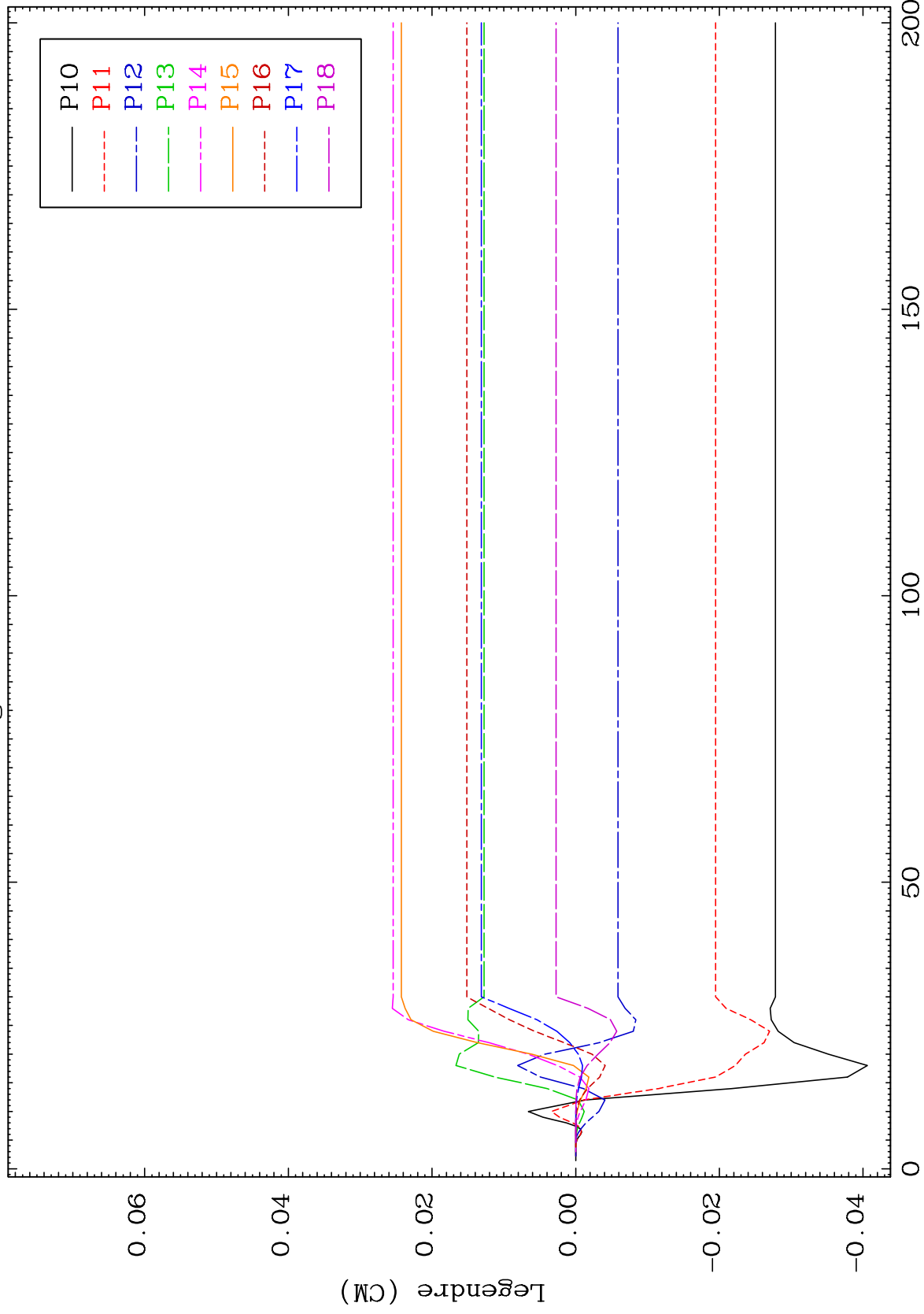
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



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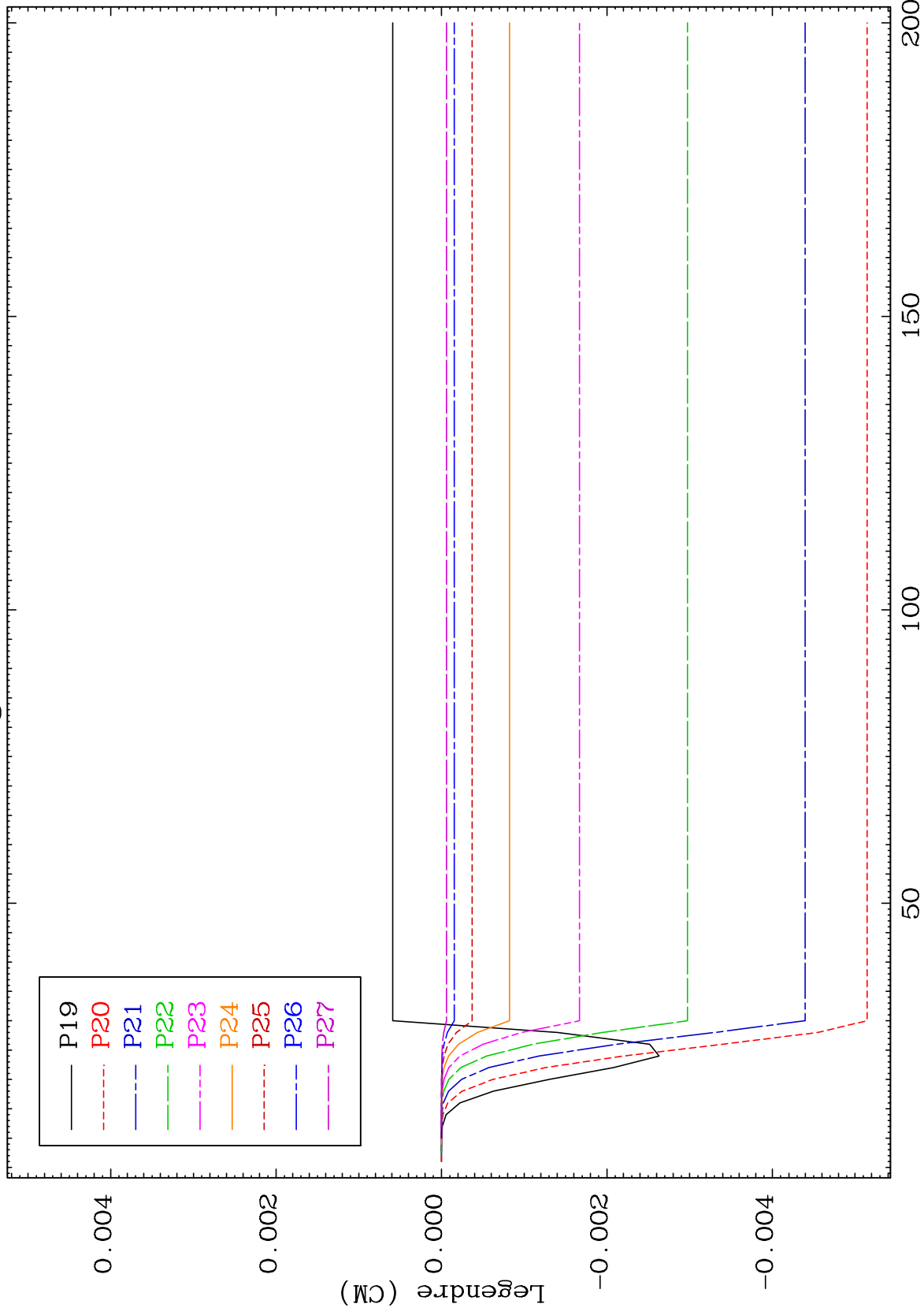
Incident Energy (MeV)

75-Re-181

MAT 7513

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

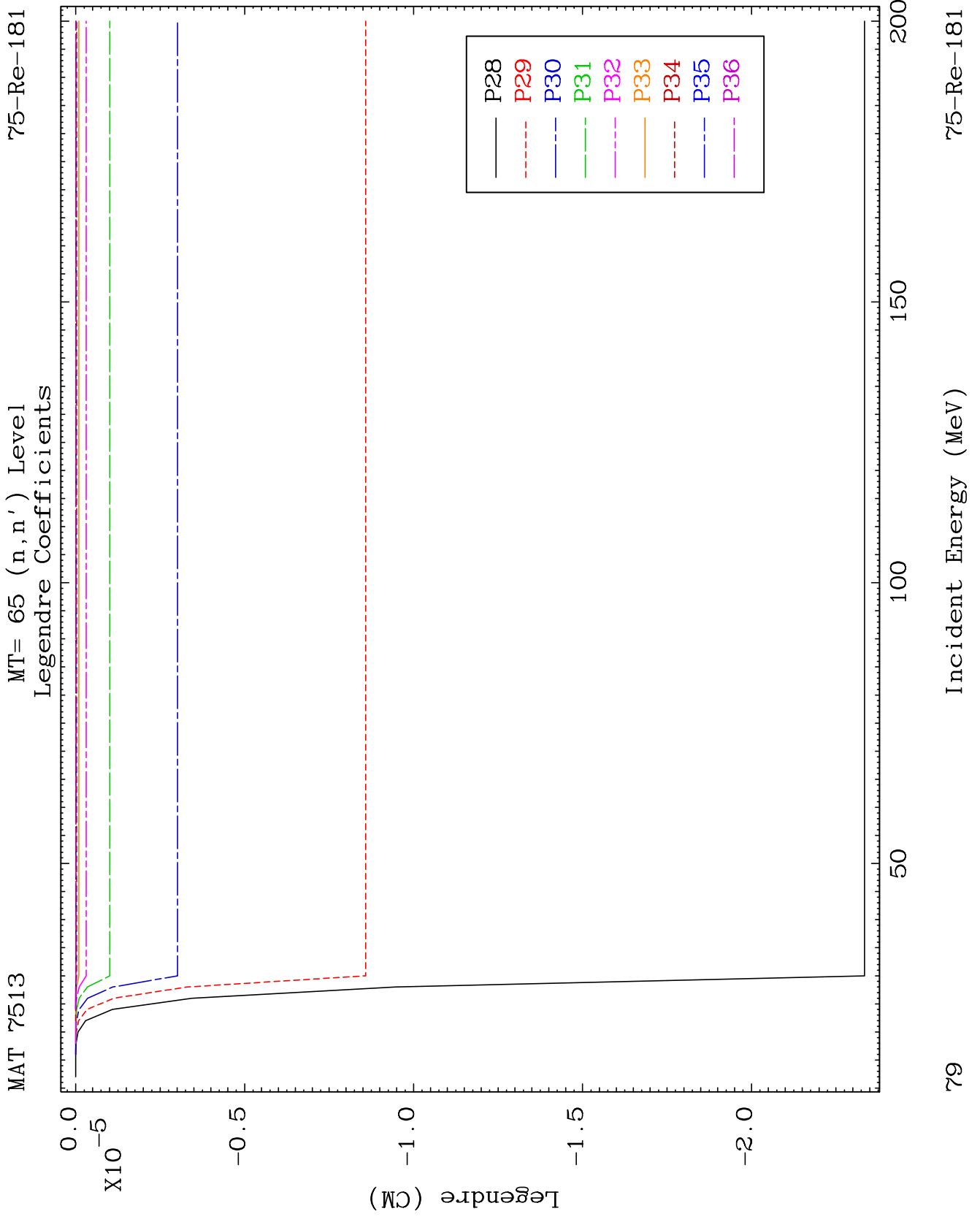
75-Re-181

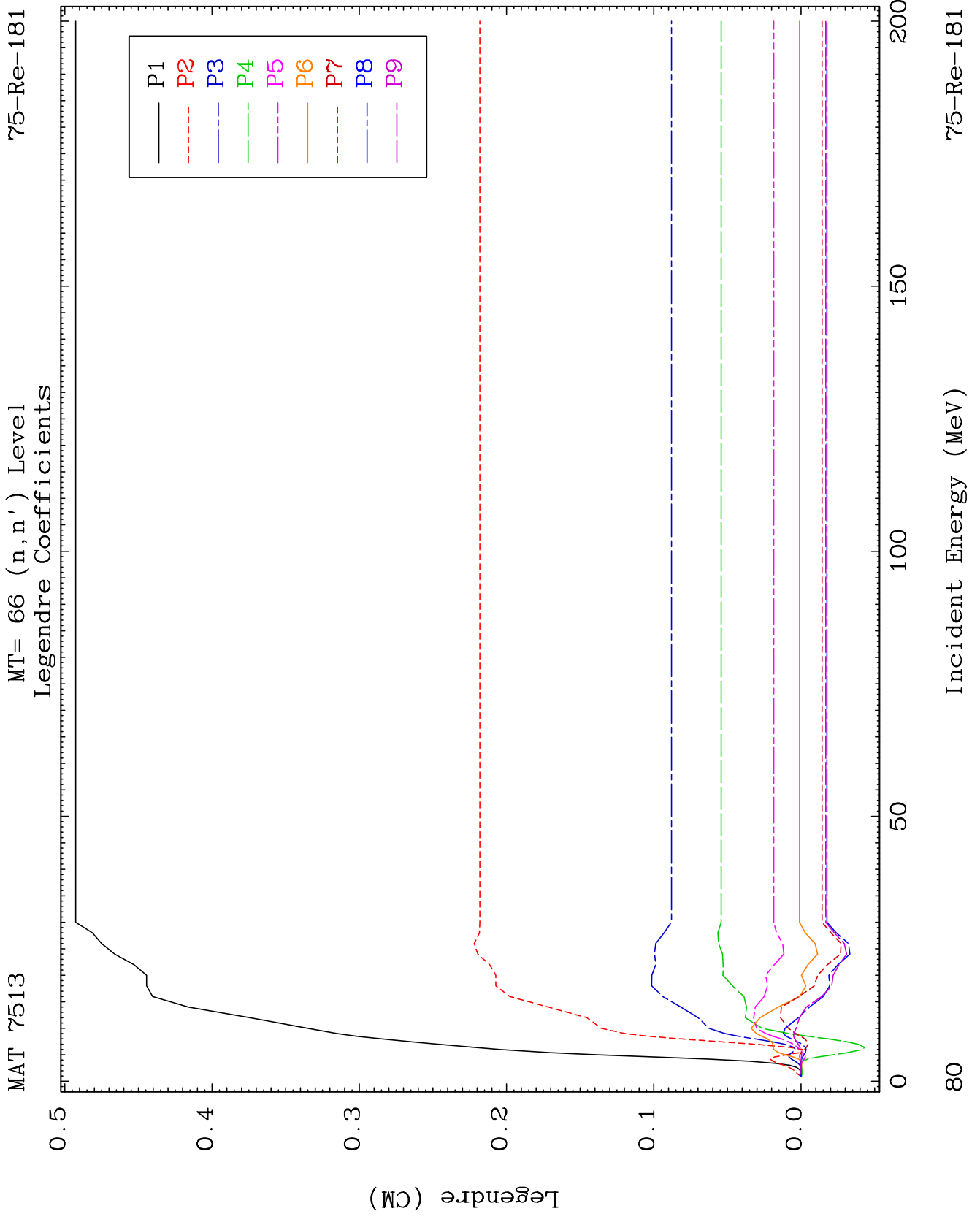


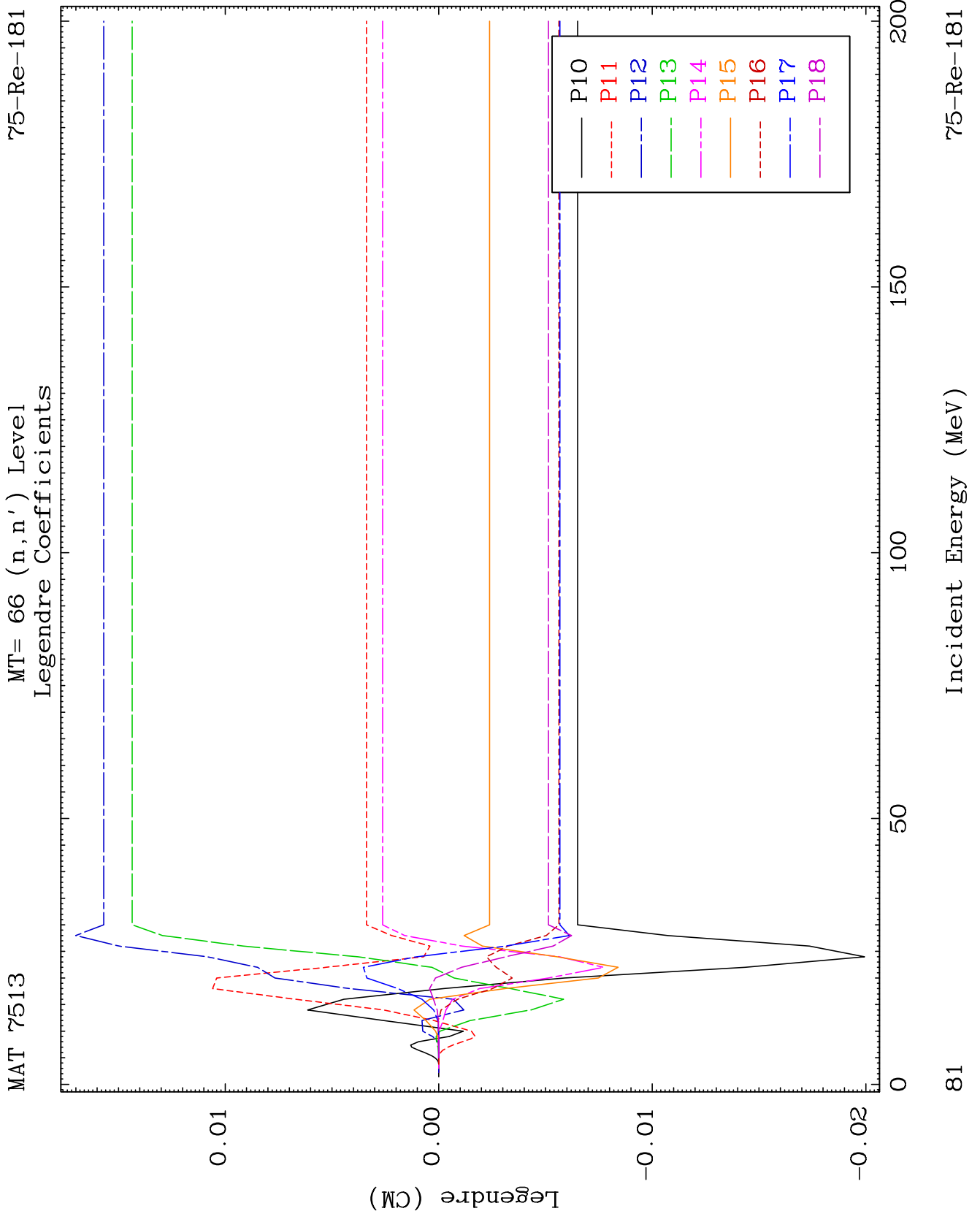
78

Incident Energy (MeV)

75-Re-181



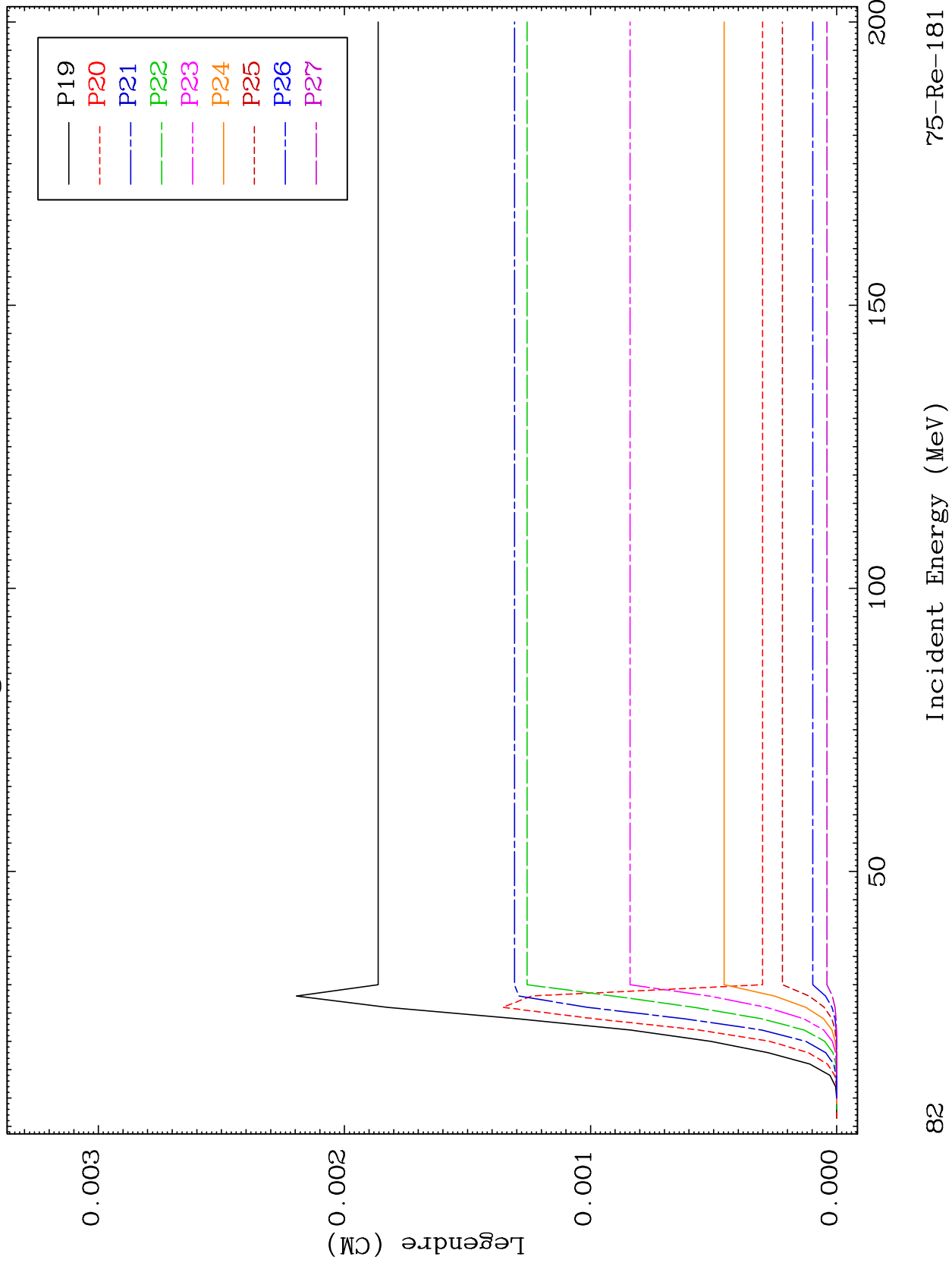




MAT 7513

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

75-Re-181



82

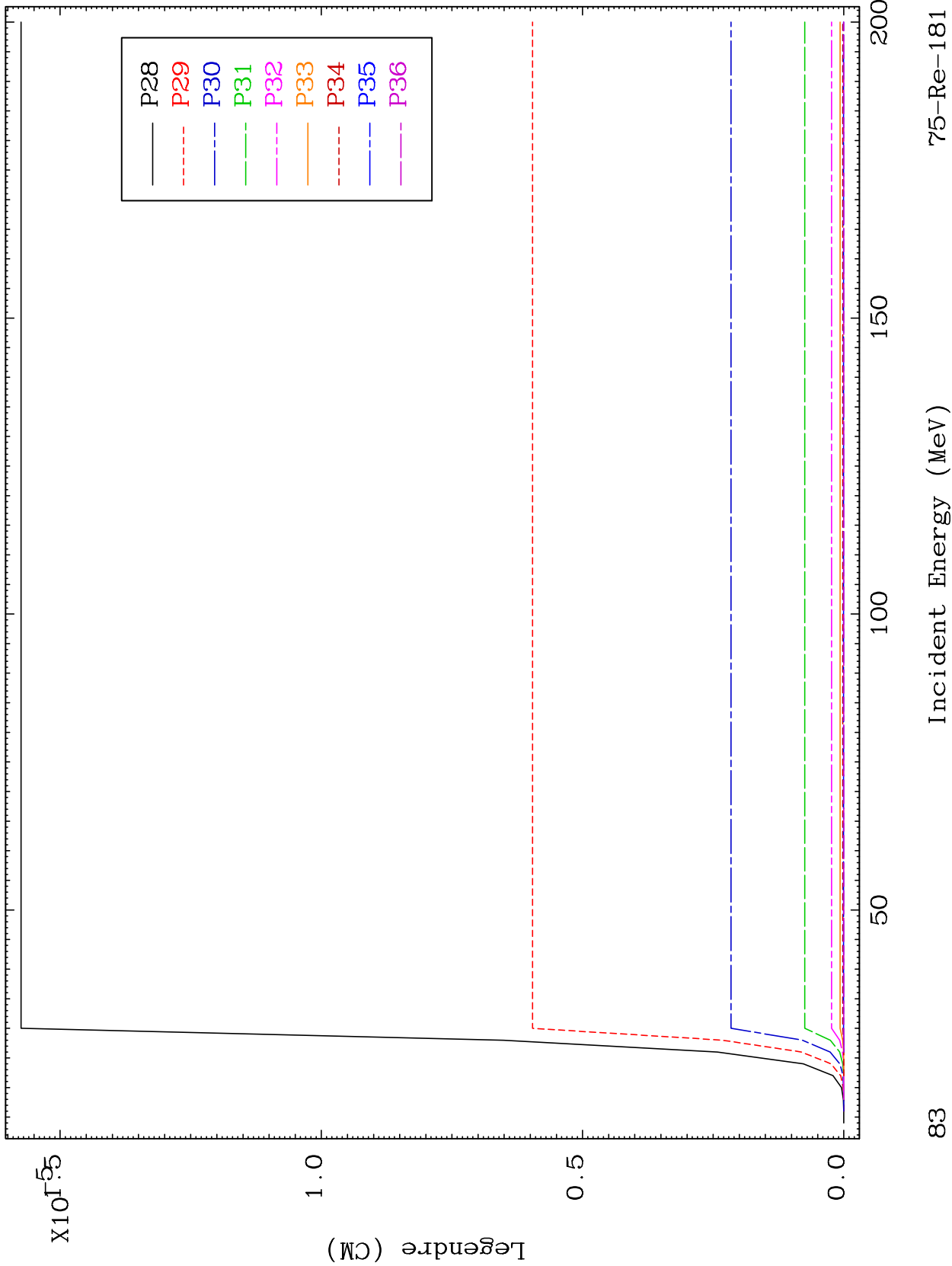
Incident Energy (MeV)

75-Re-181

MAT 7513

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

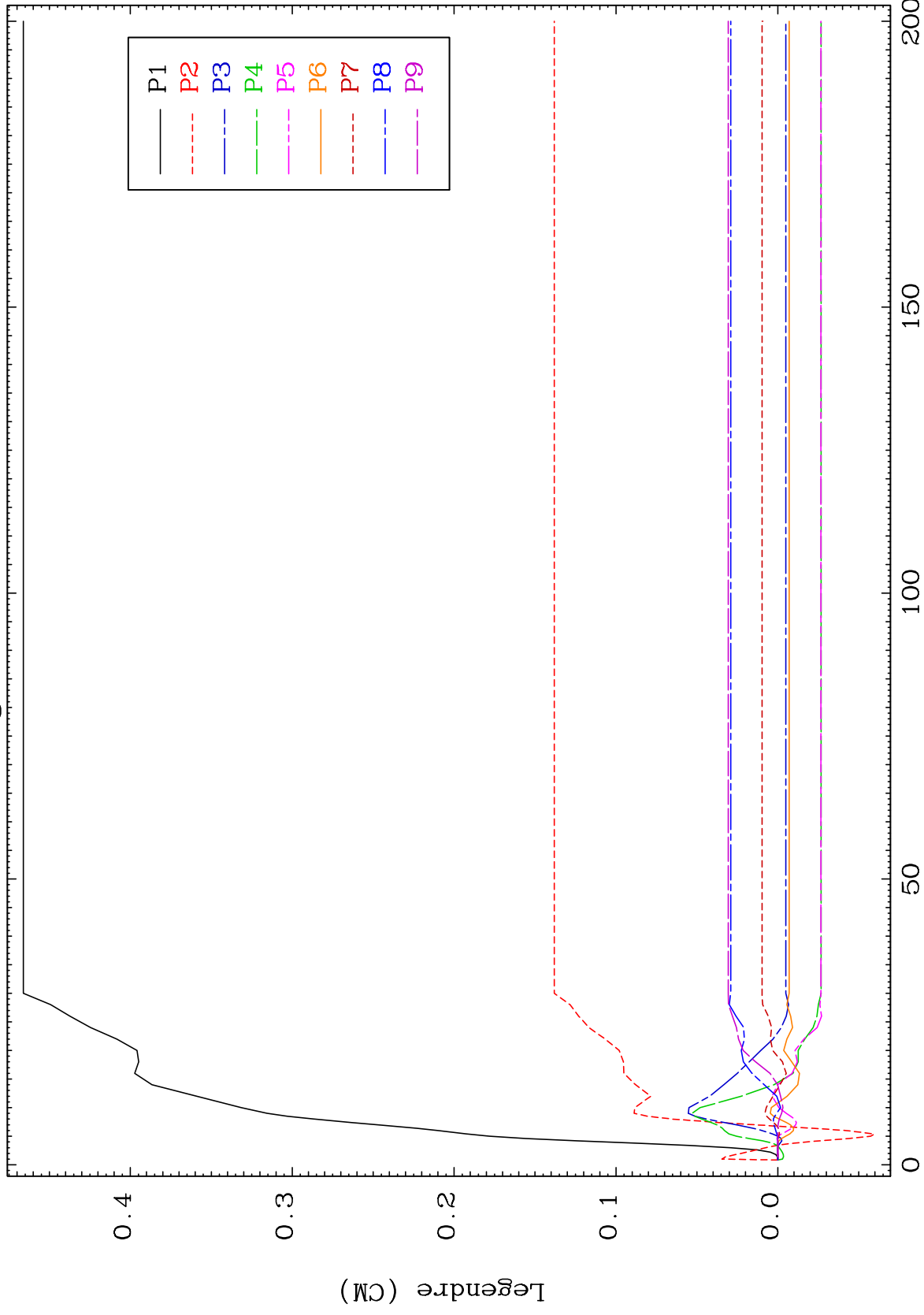
75-Re-181



MAT 7513

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

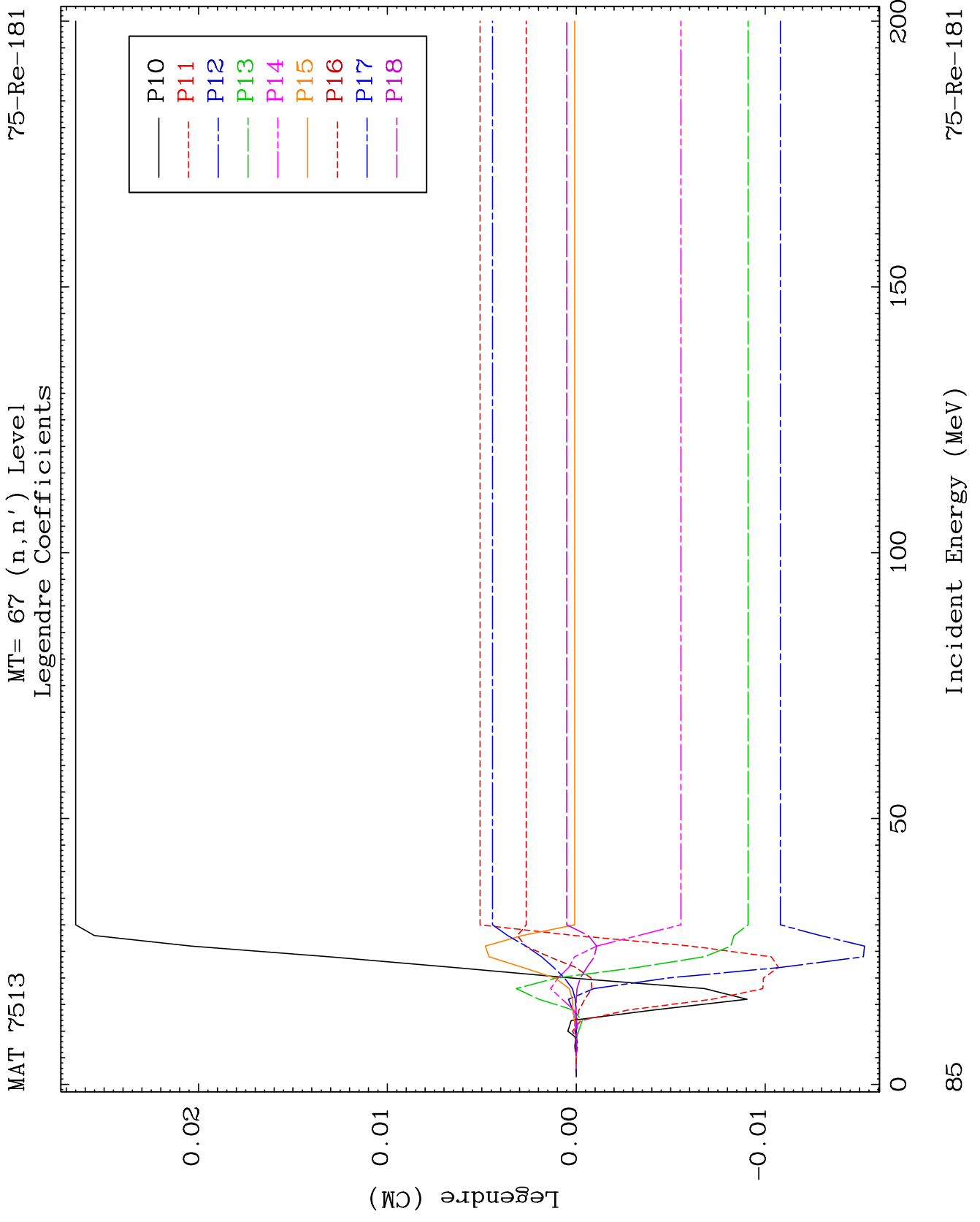
75-Re-181



84

Incident Energy (MeV)

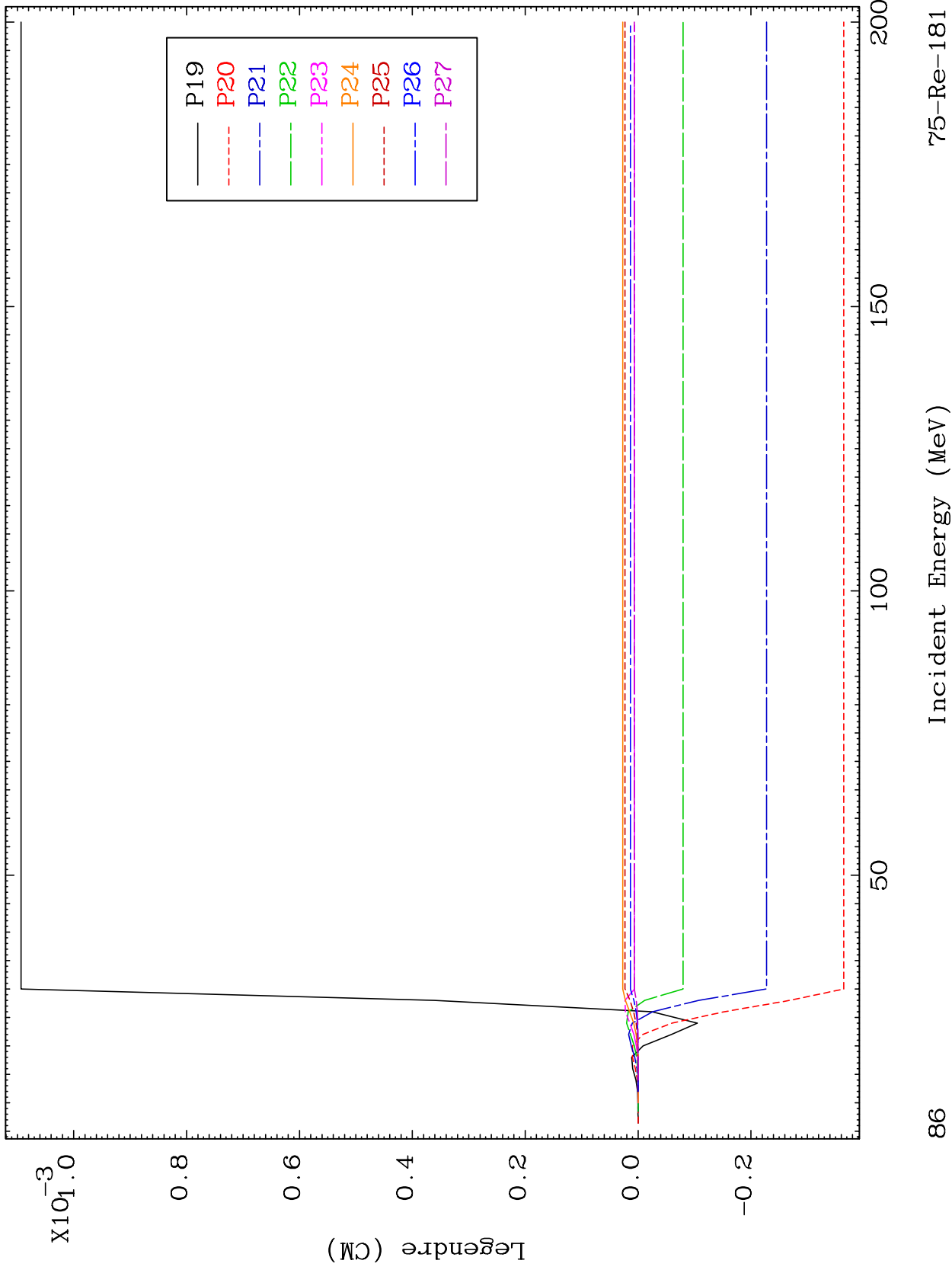
75-Re-181



MAT 7513

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

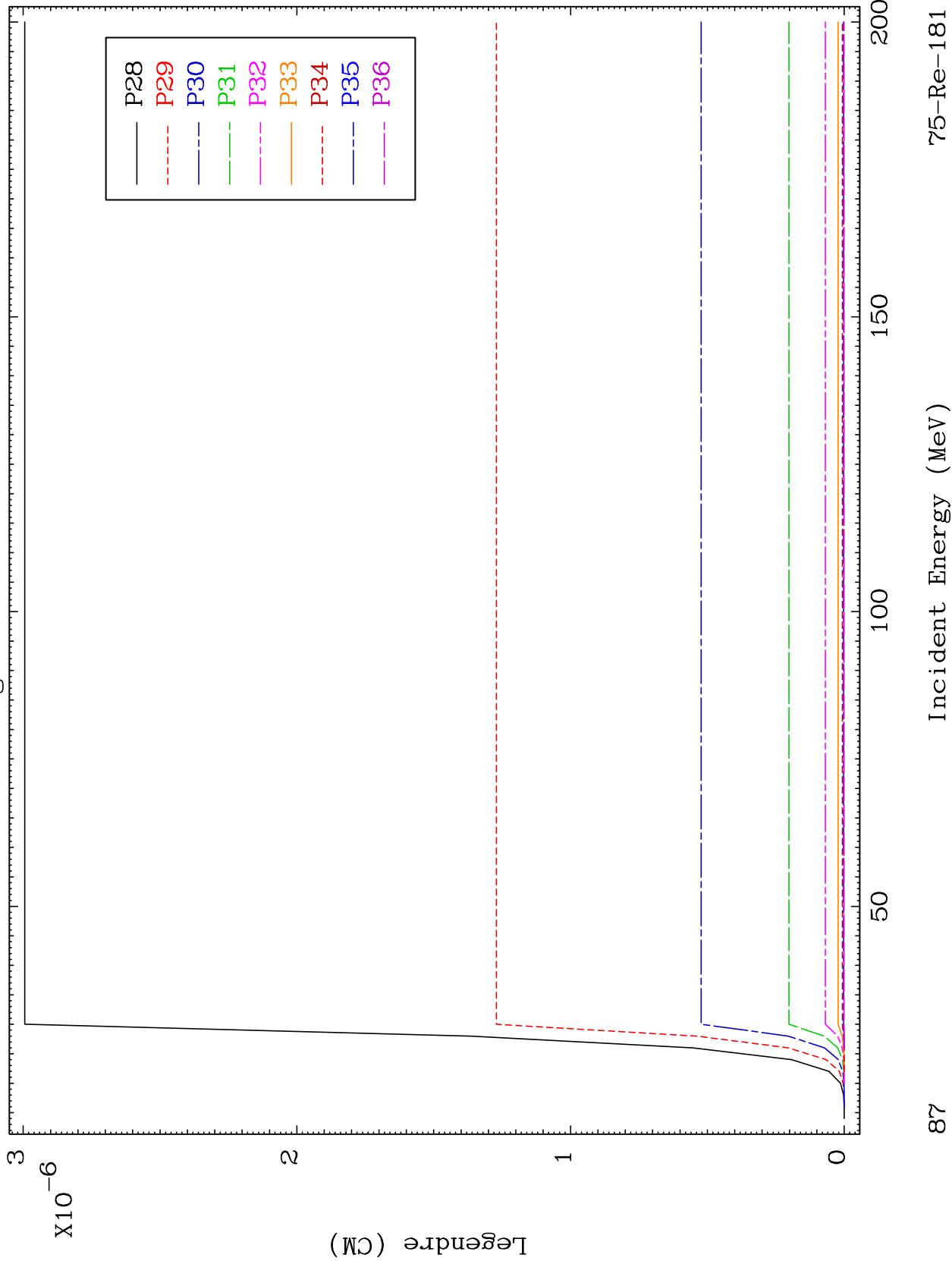
75-Re-181



MAT 7513

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

75-Re-181



87

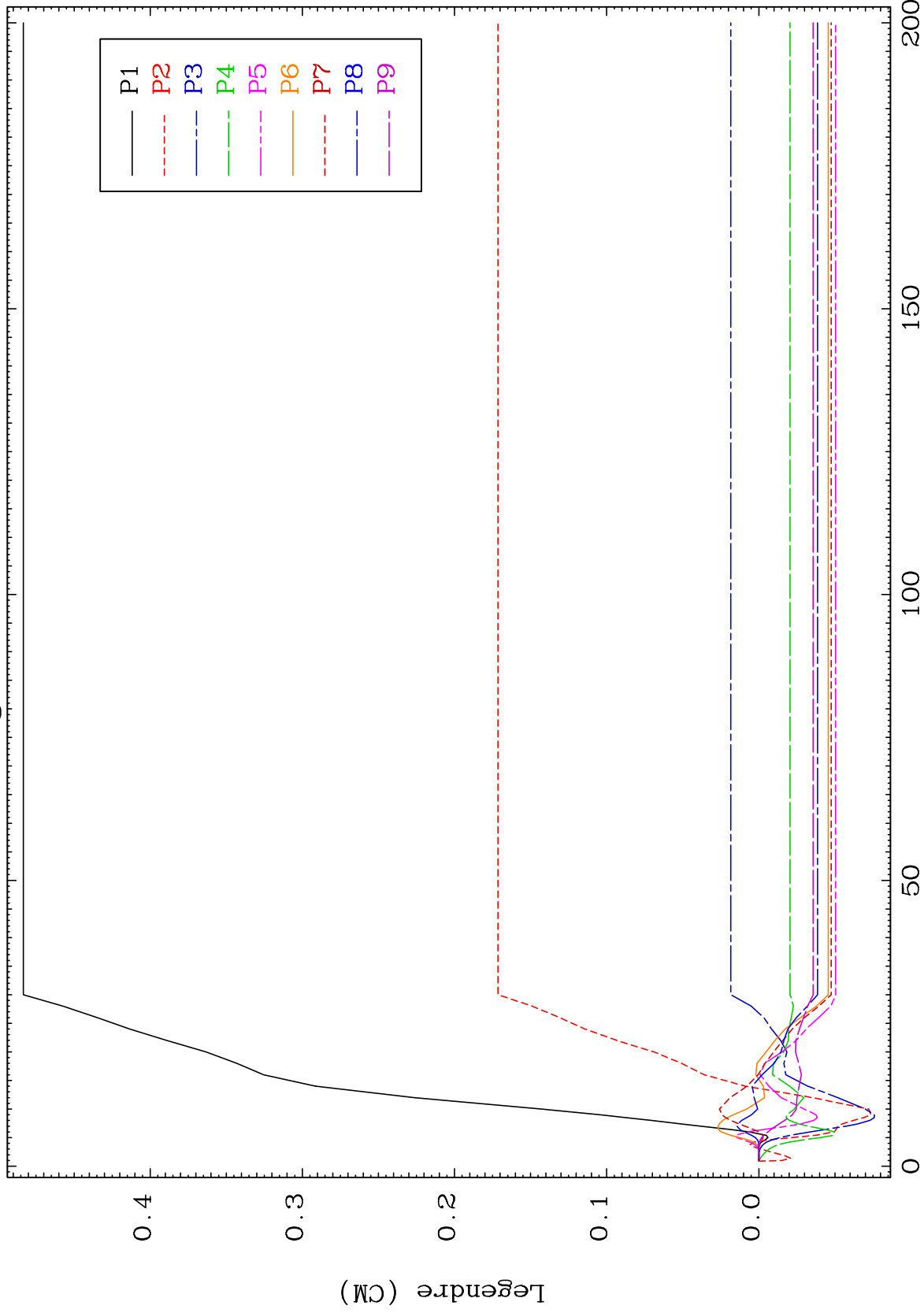
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



88

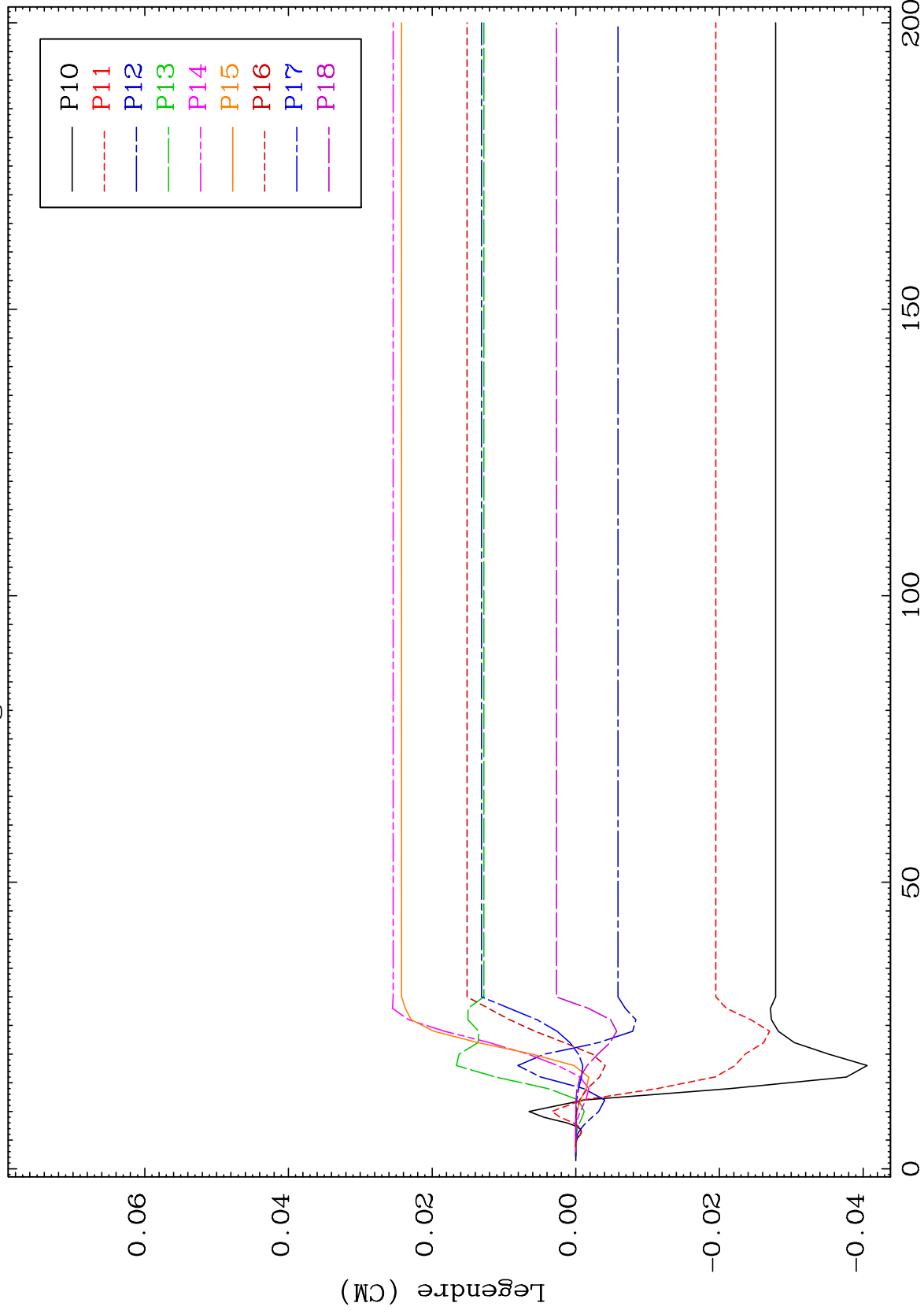
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



89

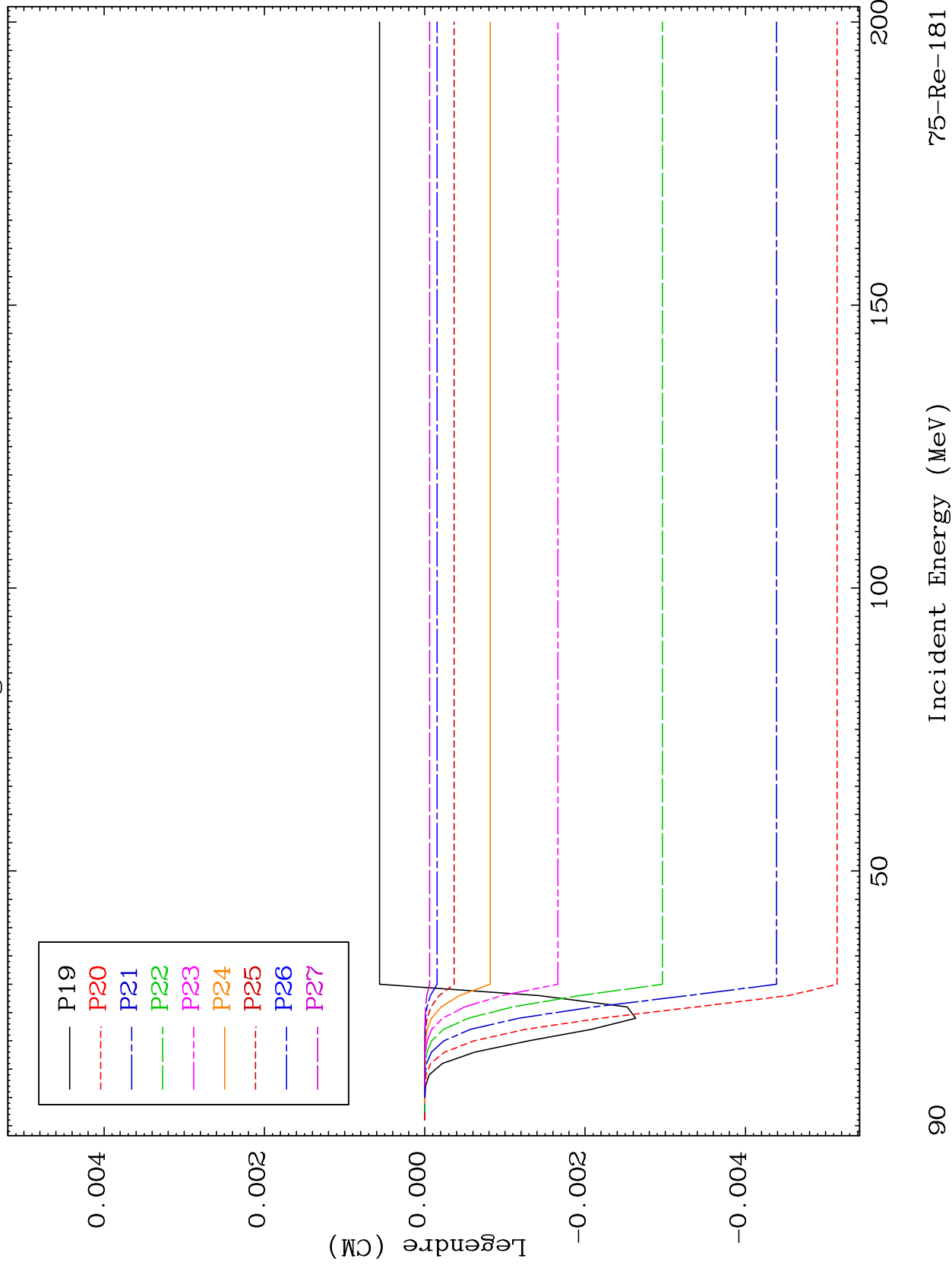
Incident Energy (MeV)

75-Re-181

MAT 7513

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

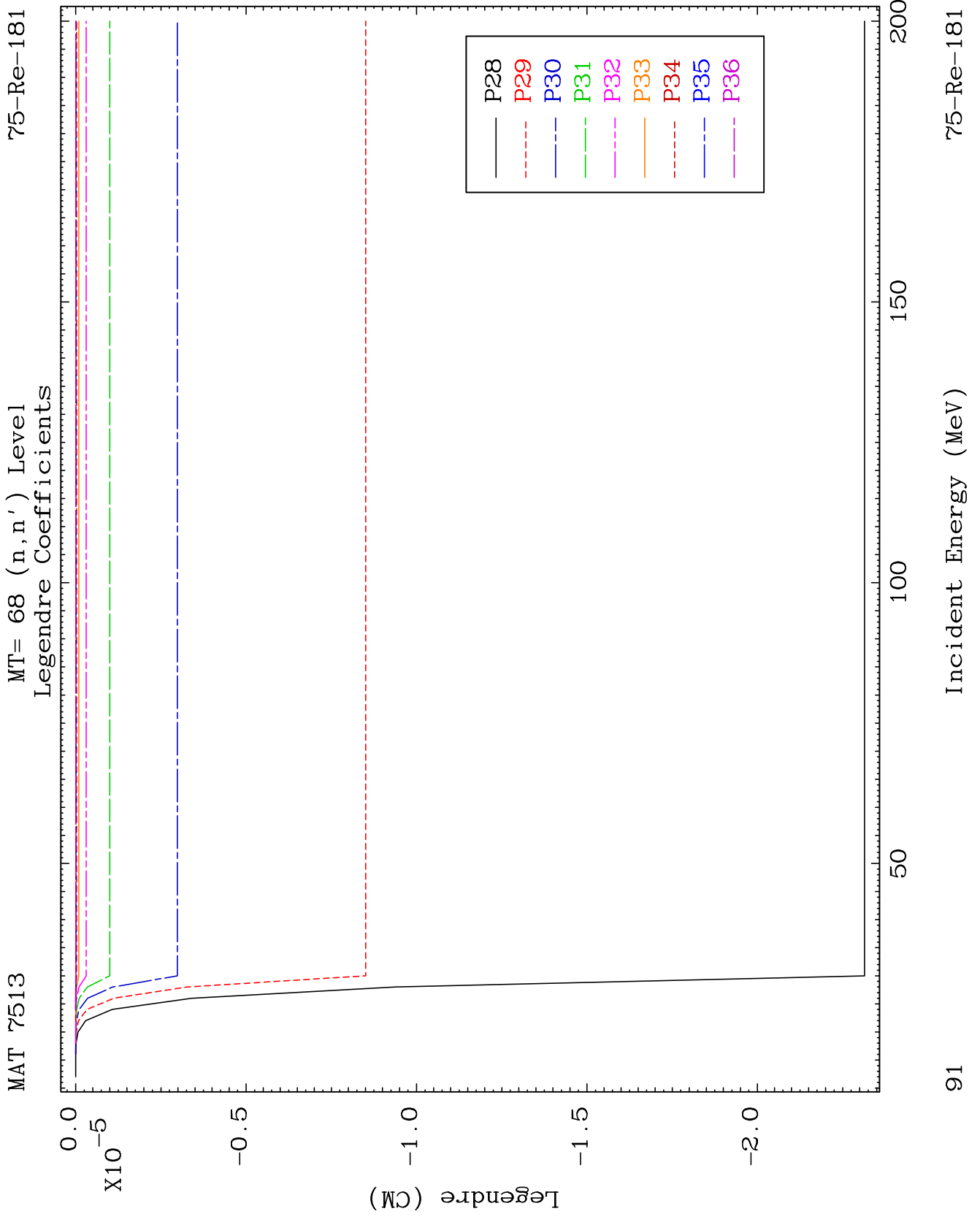
75-Re-181

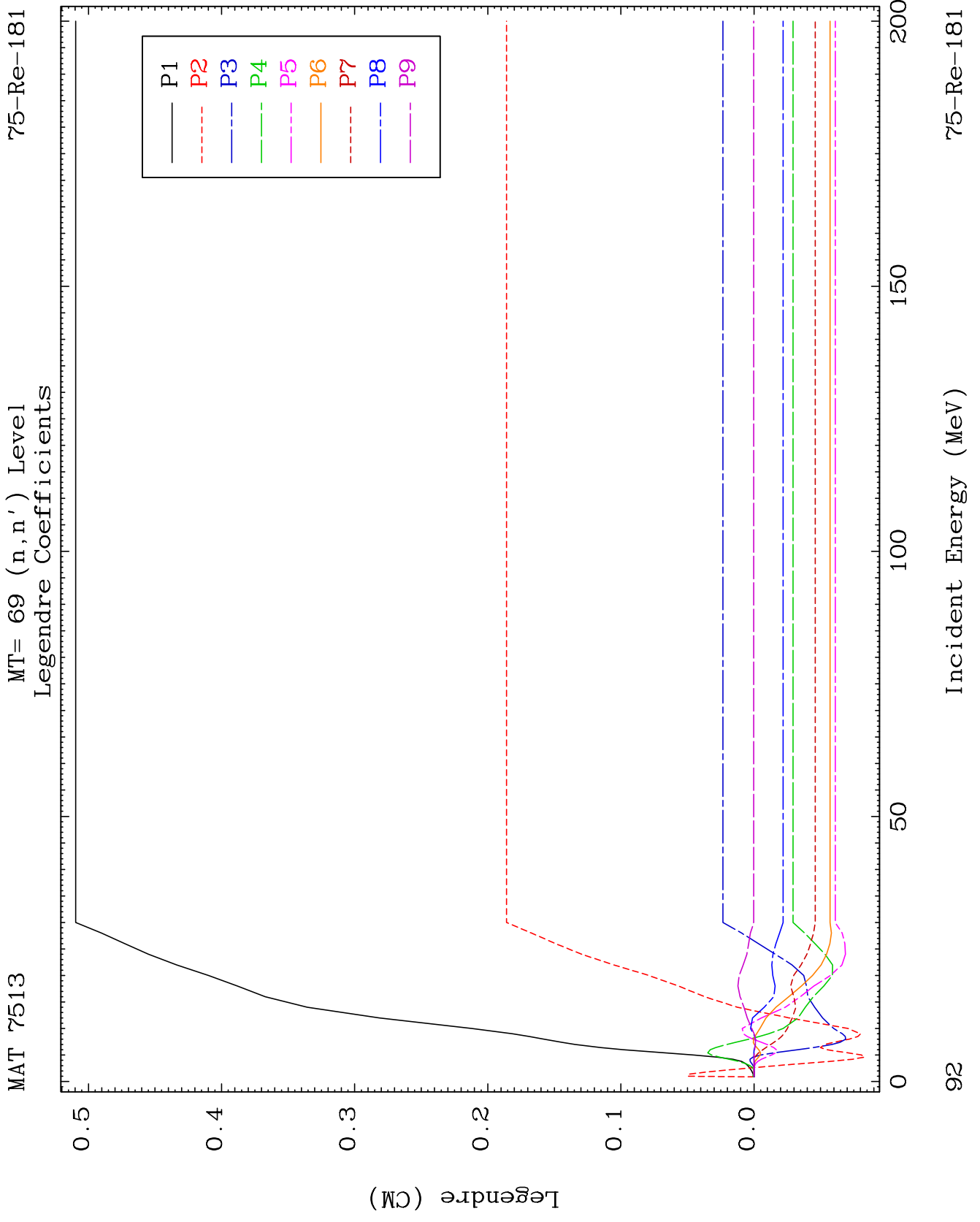


90

Incident Energy (MeV)

75-Re-181

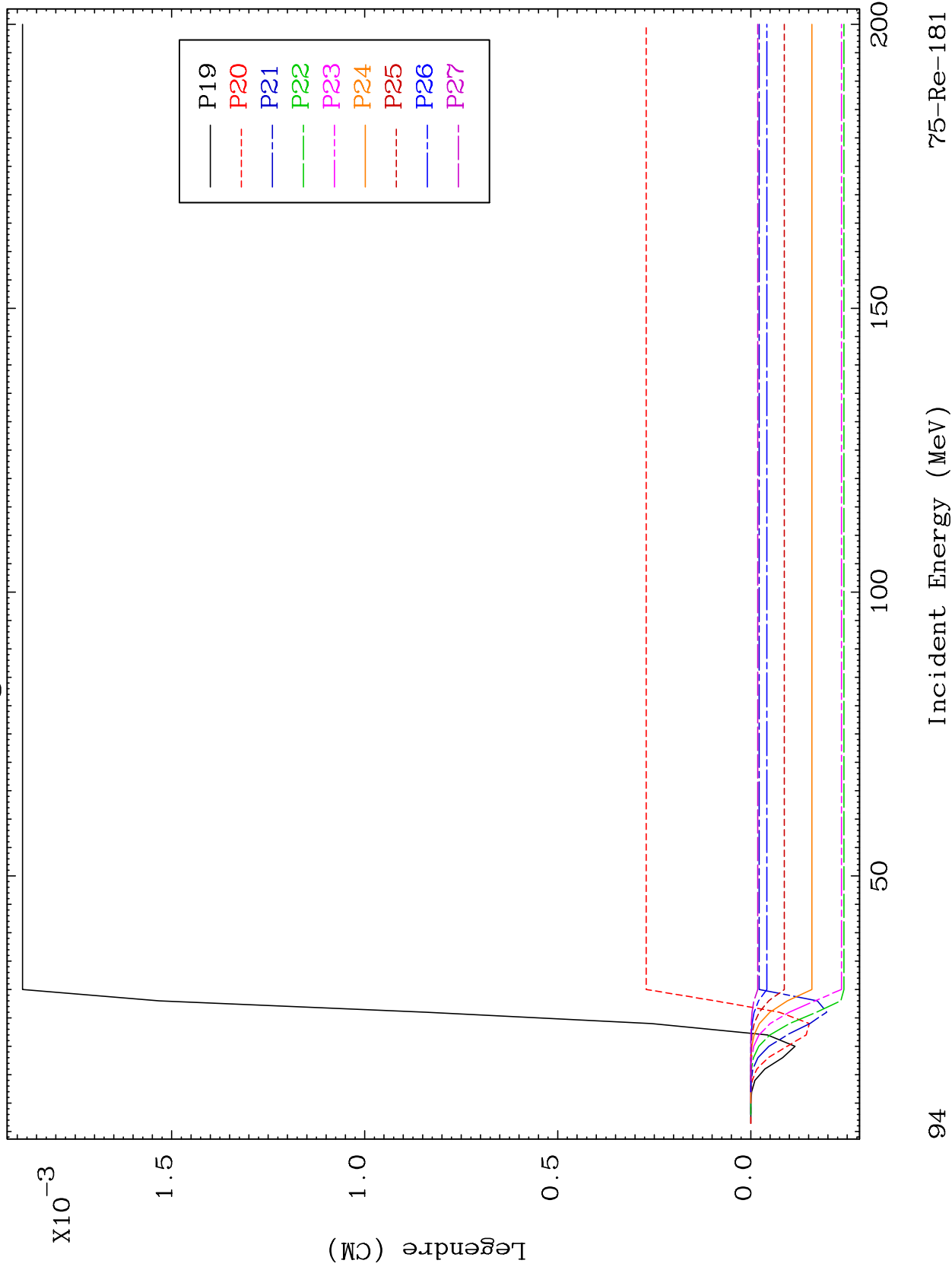


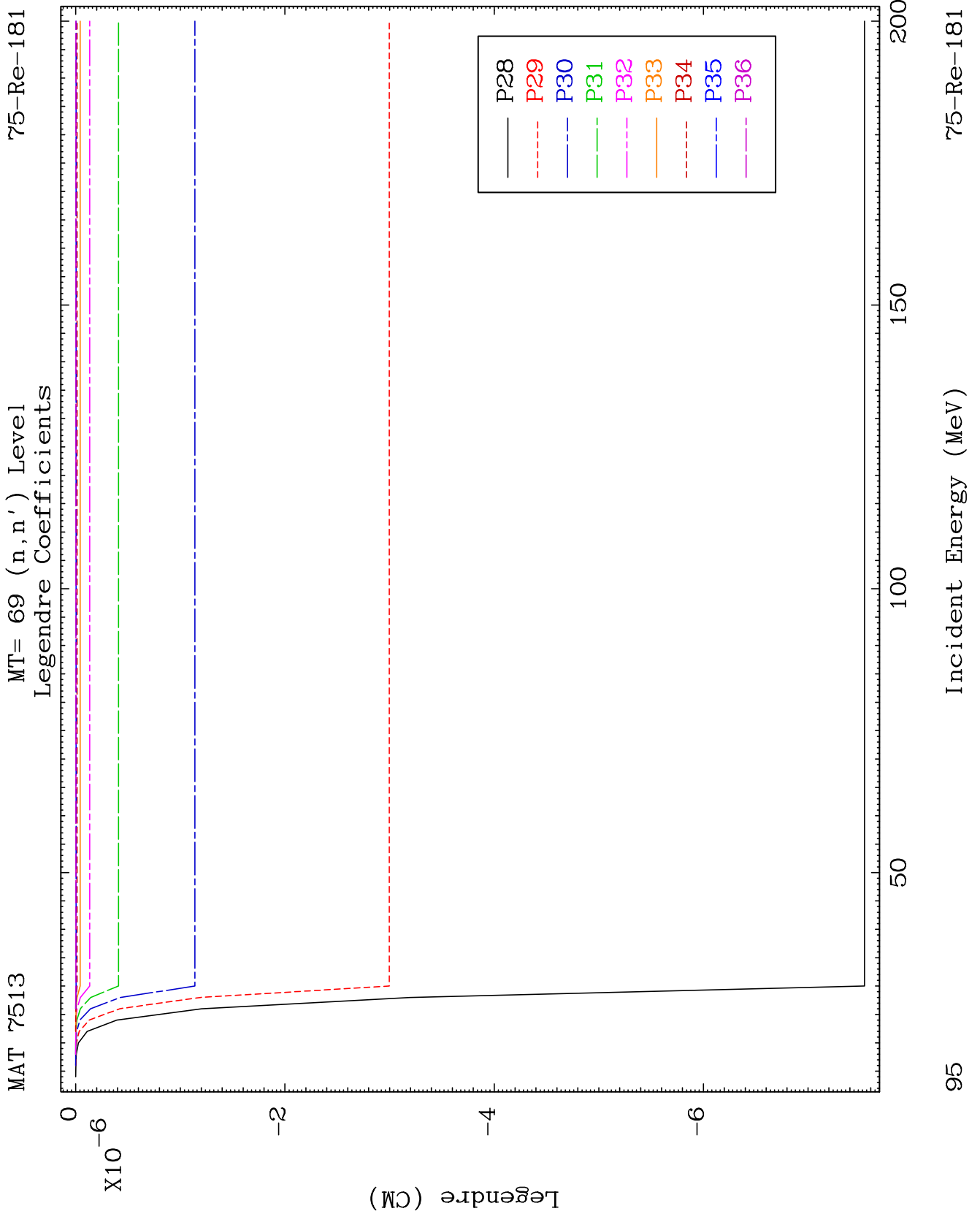


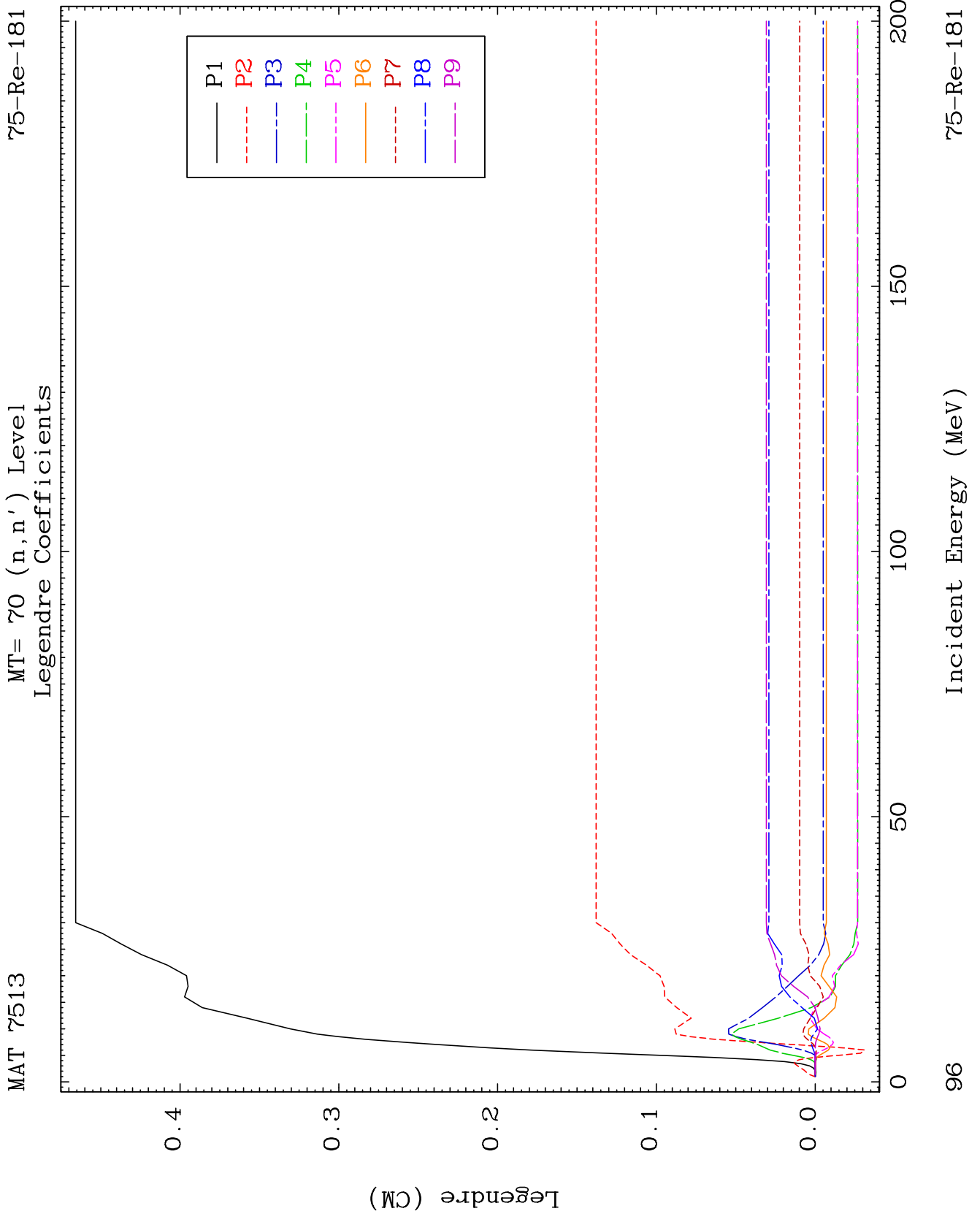
MAT 7513

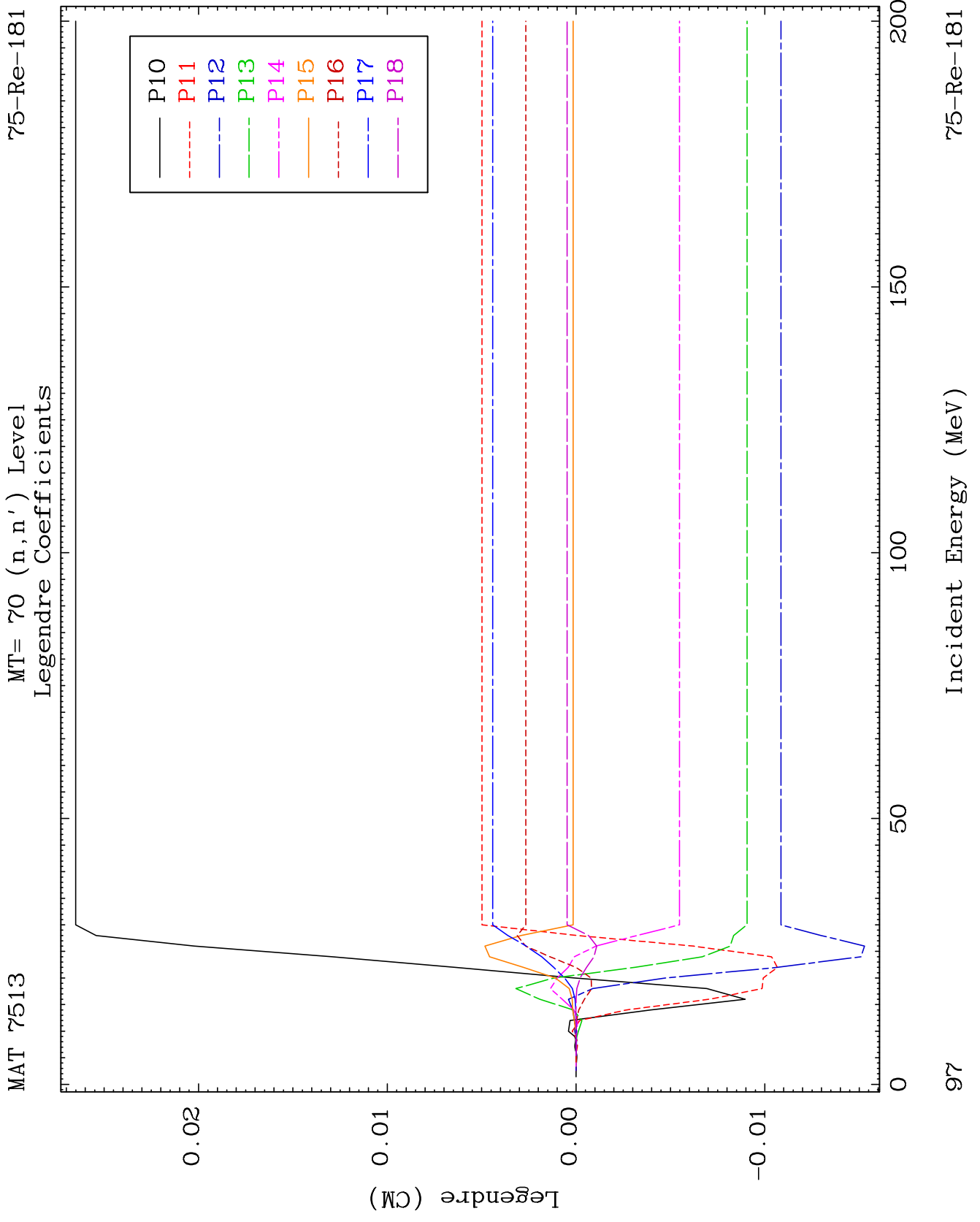
MT= 69 (n,n') Level
Legendre Coefficients

75-Re-181





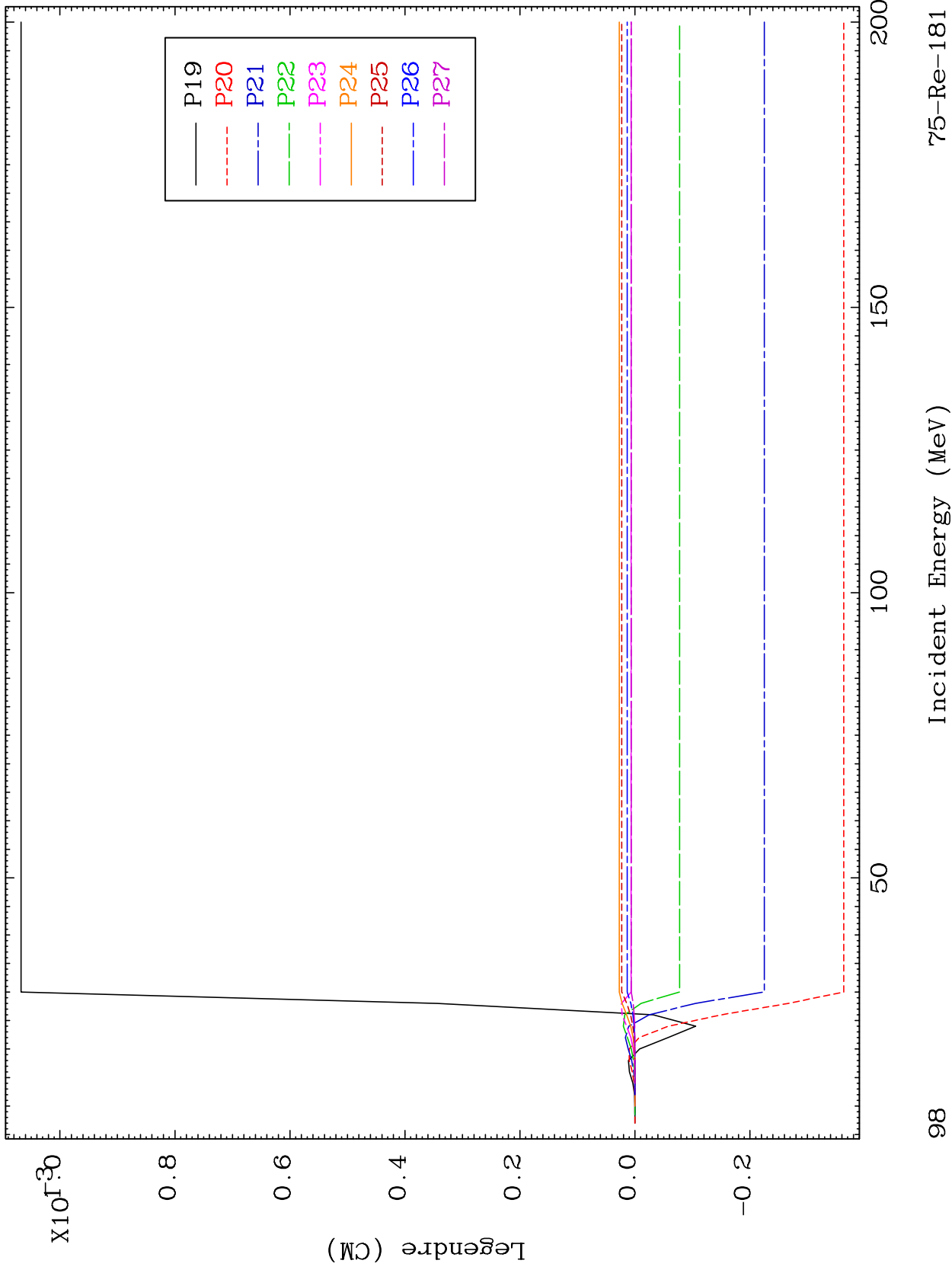




MAT 7513

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

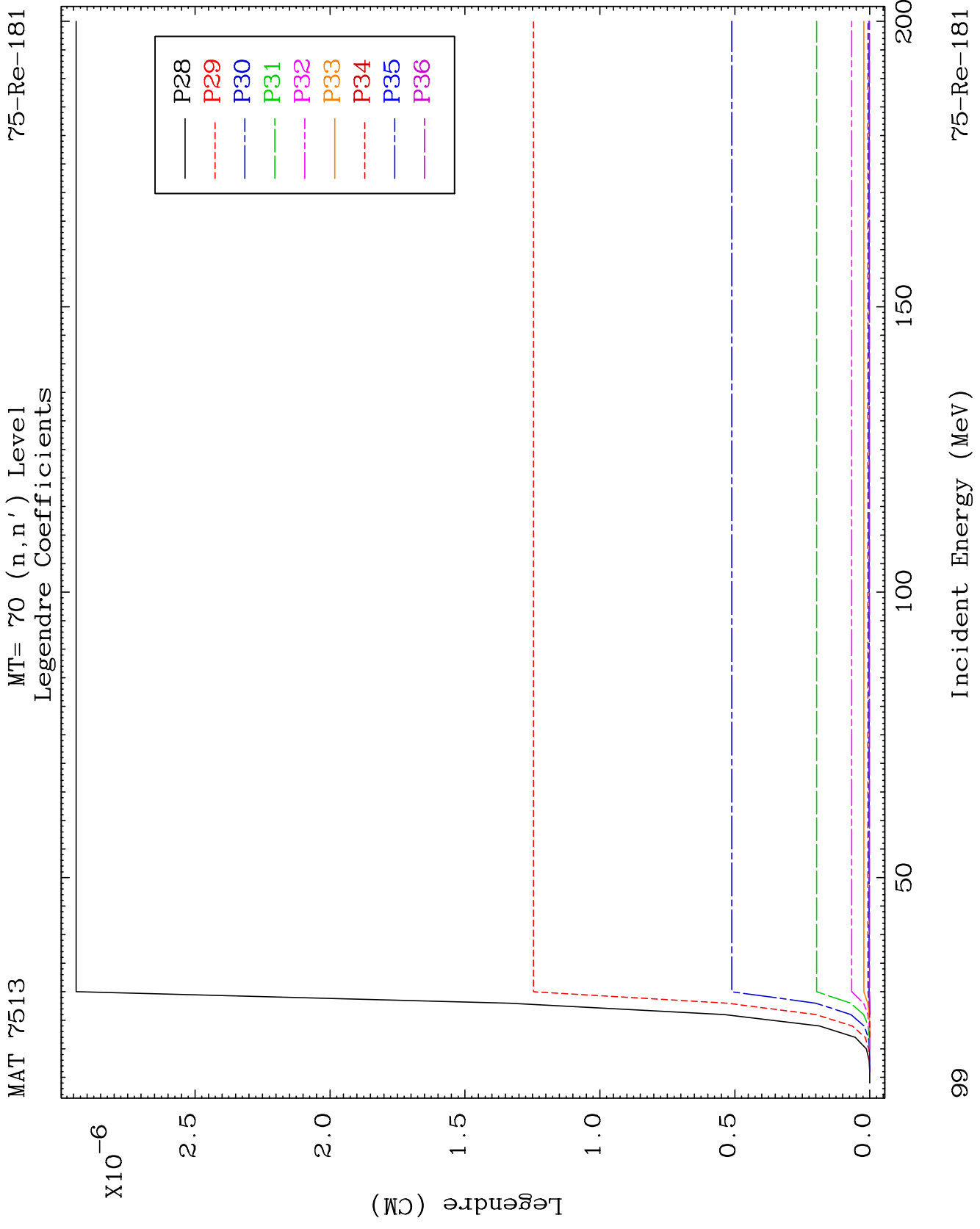
75-Re-181



98

Incident Energy (MeV)

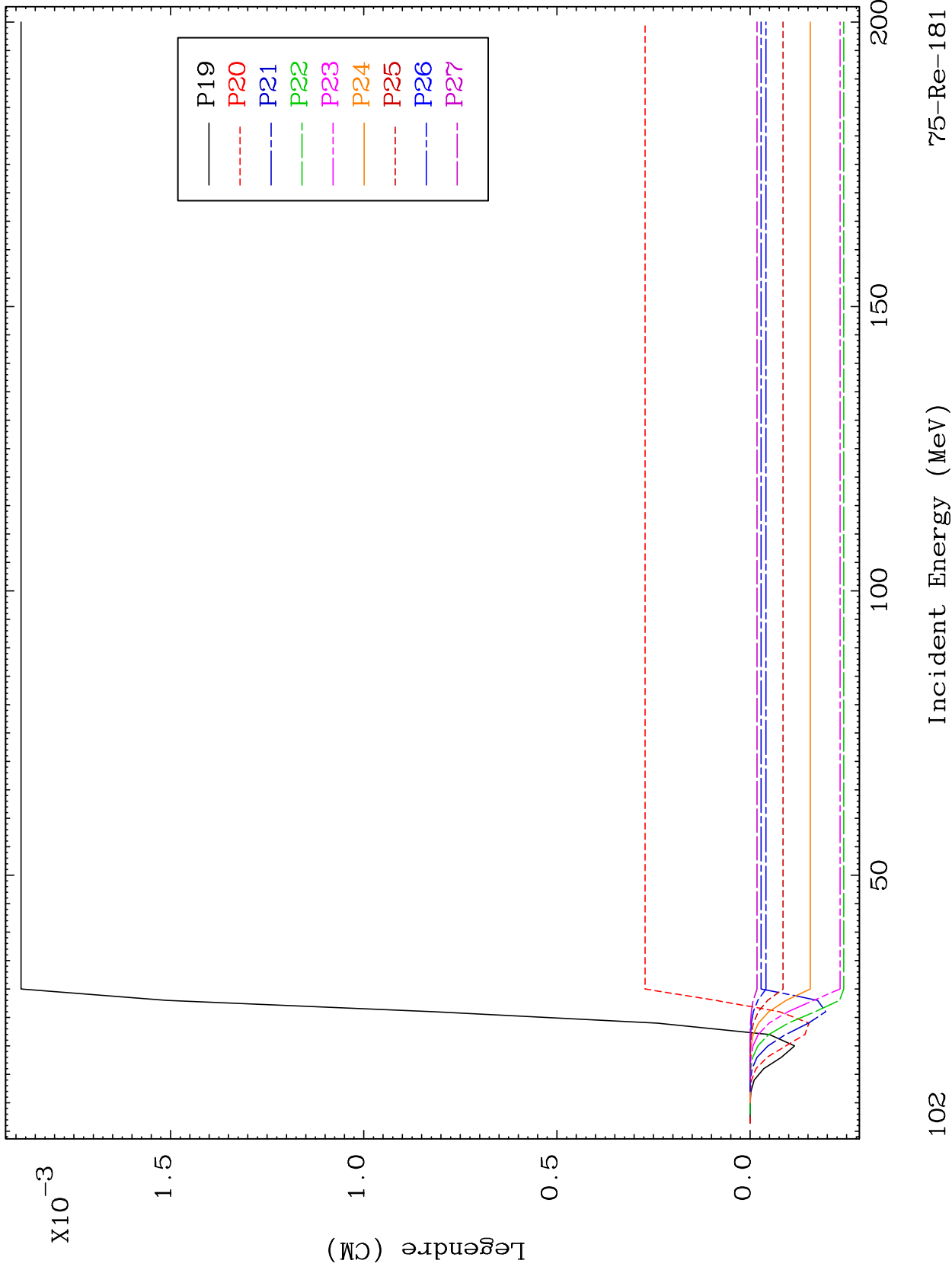
75-Re-181



MAT 7513

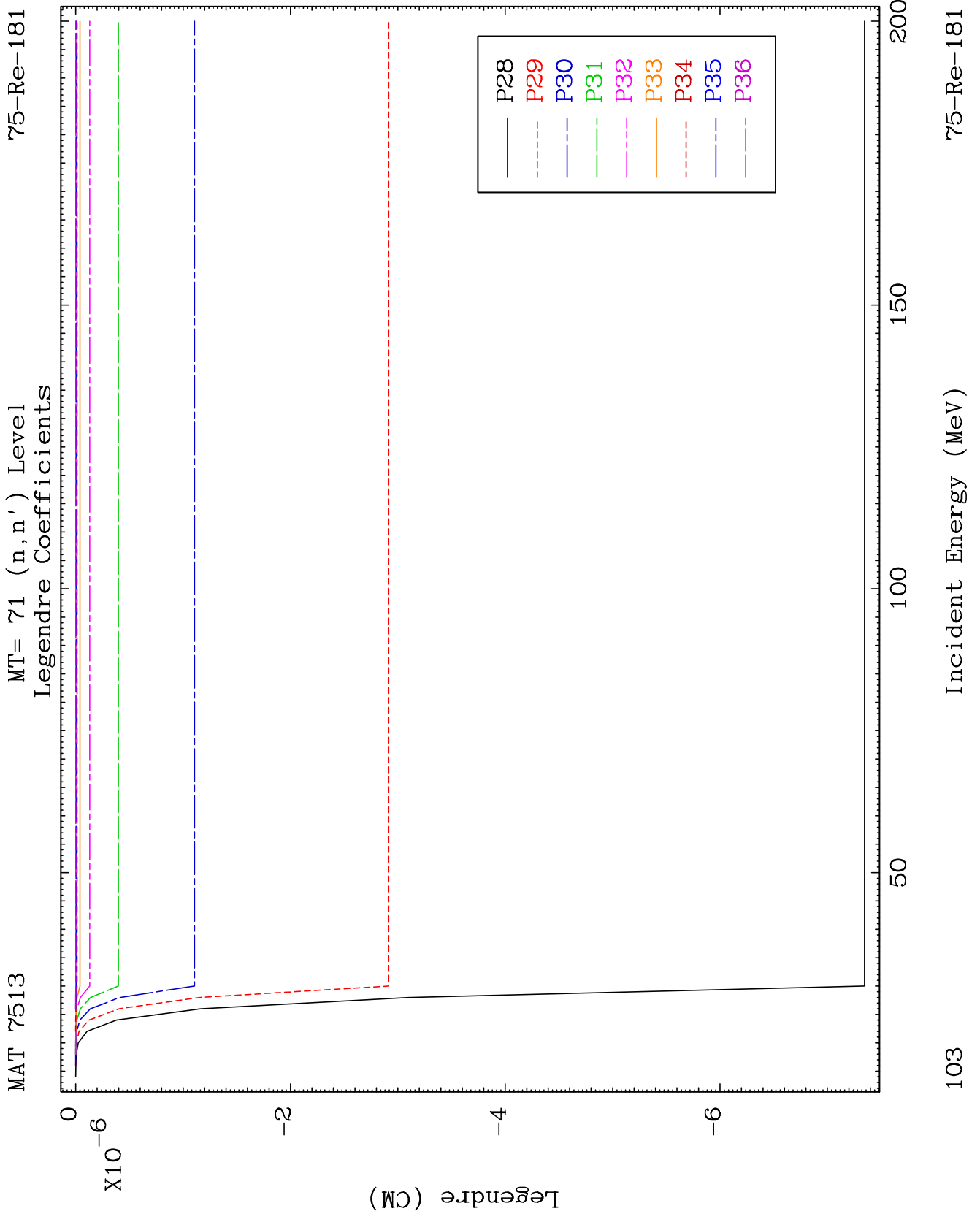
MT= 71 (n,n') Level
Legendre Coefficients

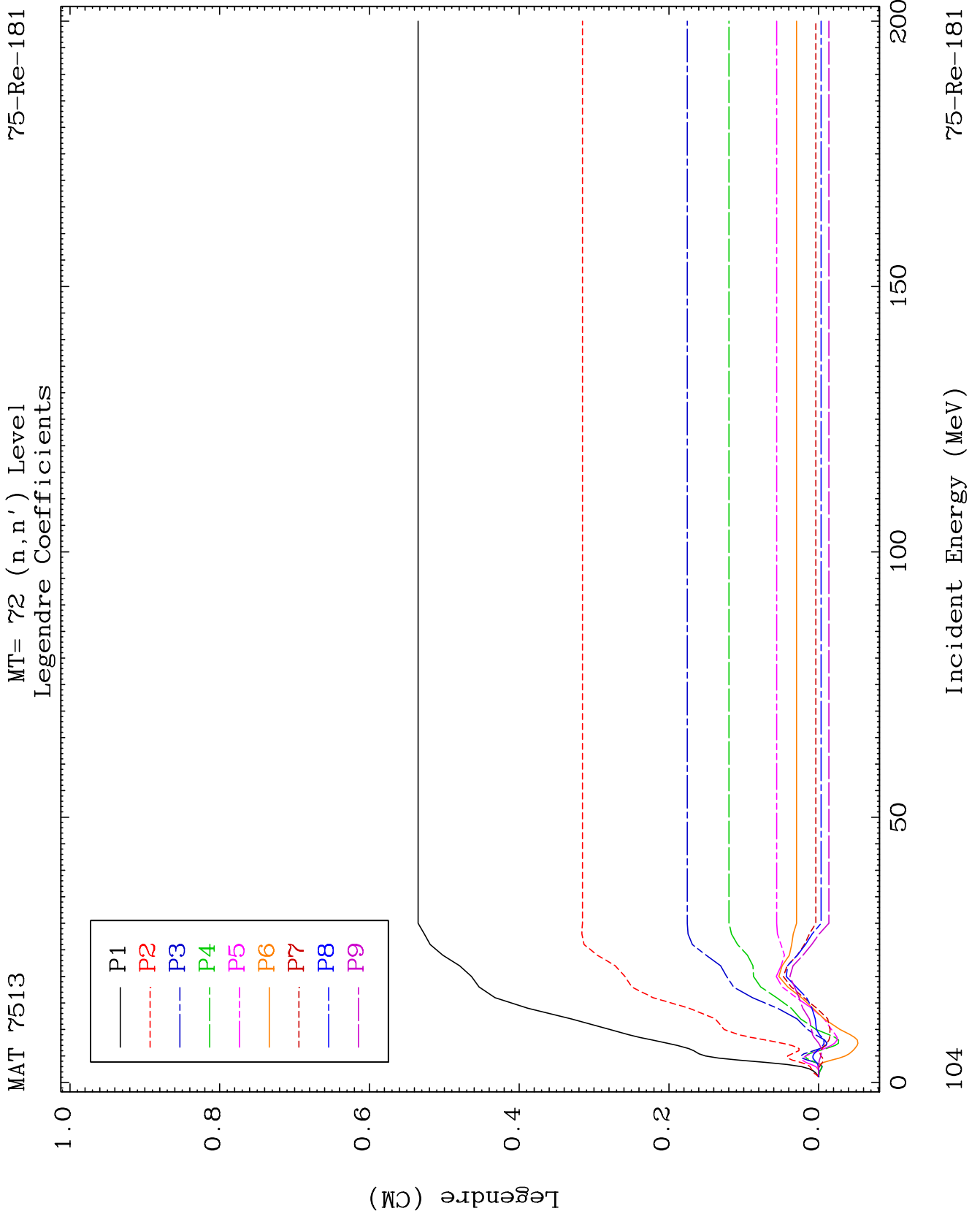
75-Re-181

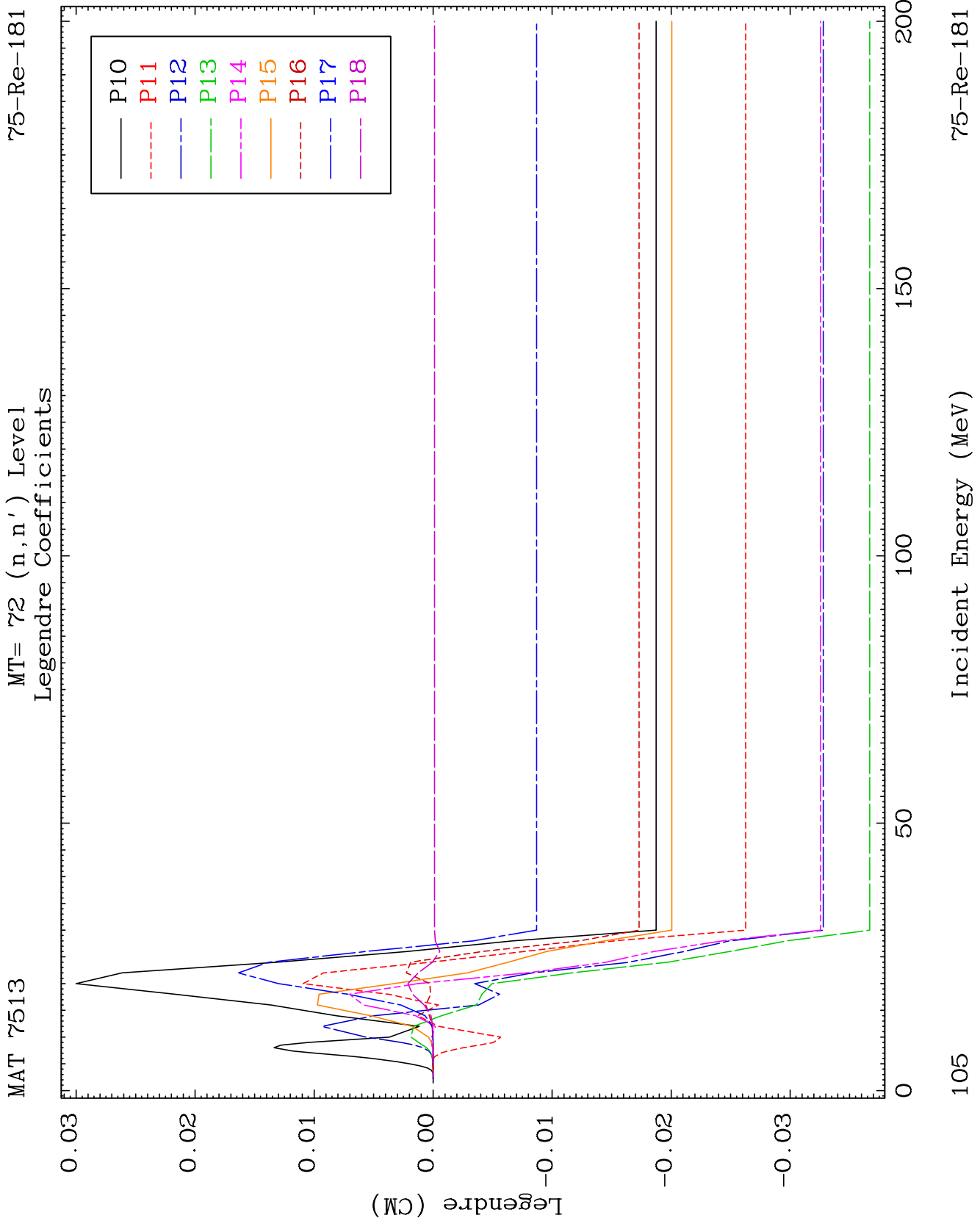


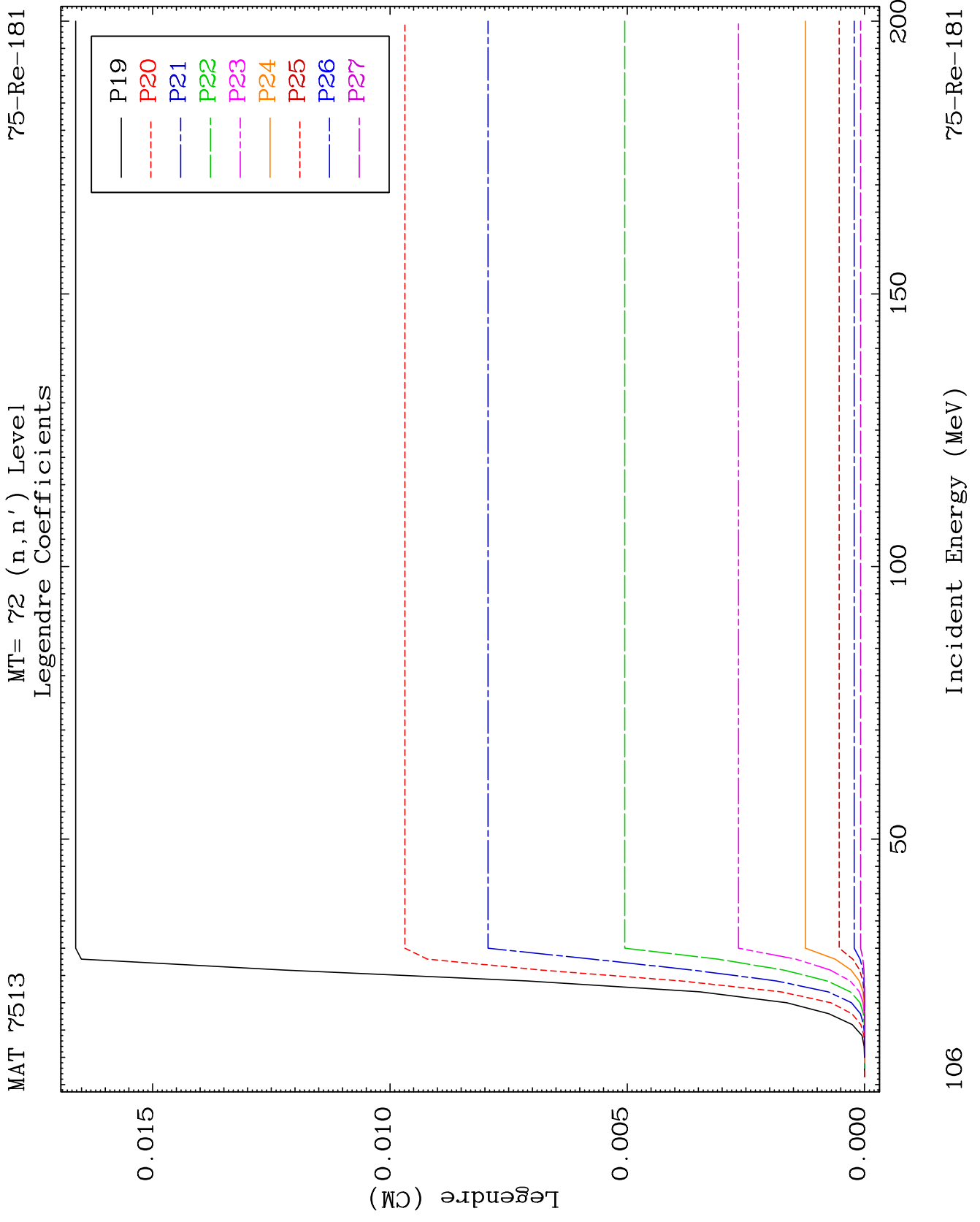
102

75-Re-181





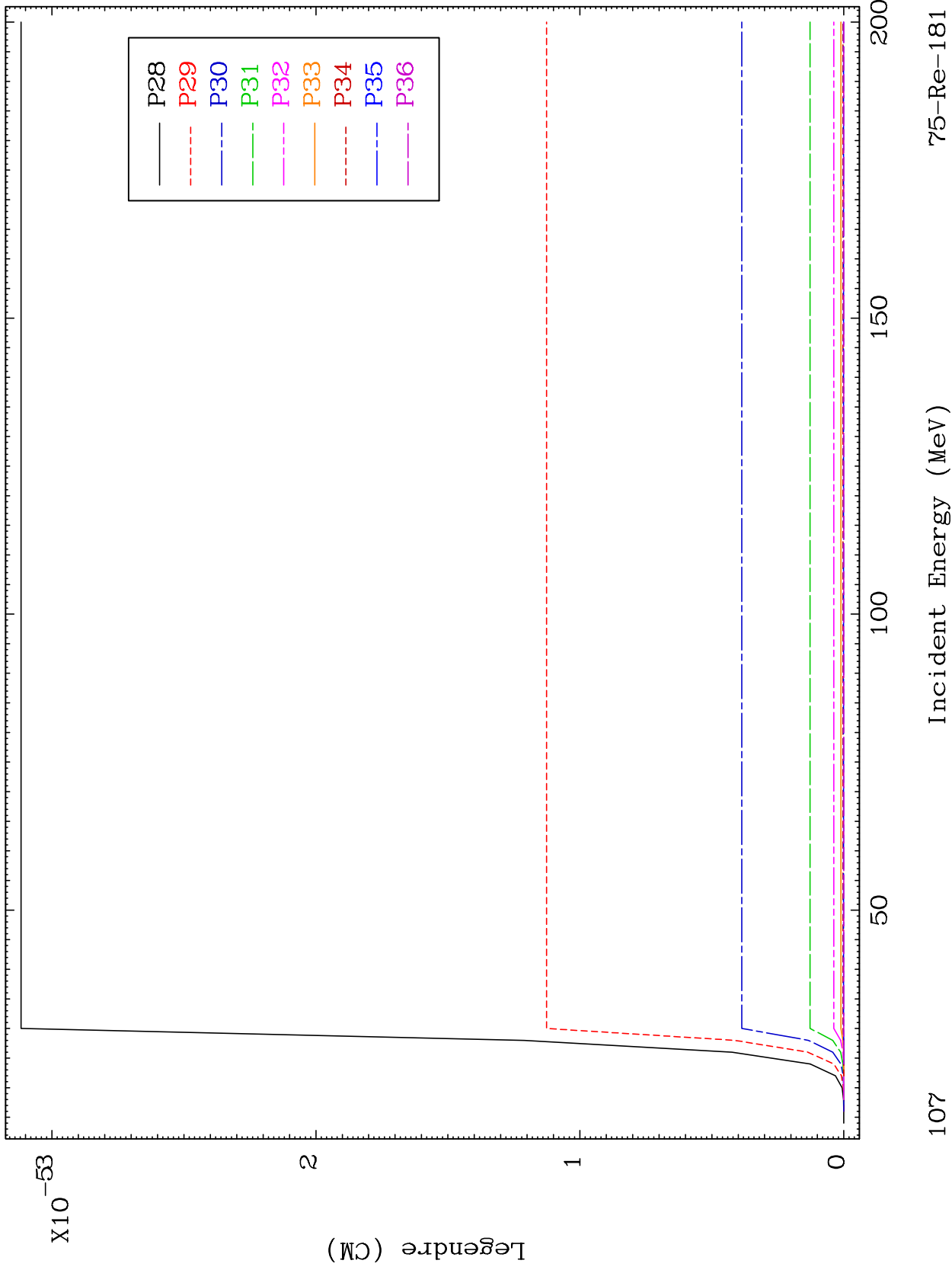




MAT 7513

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

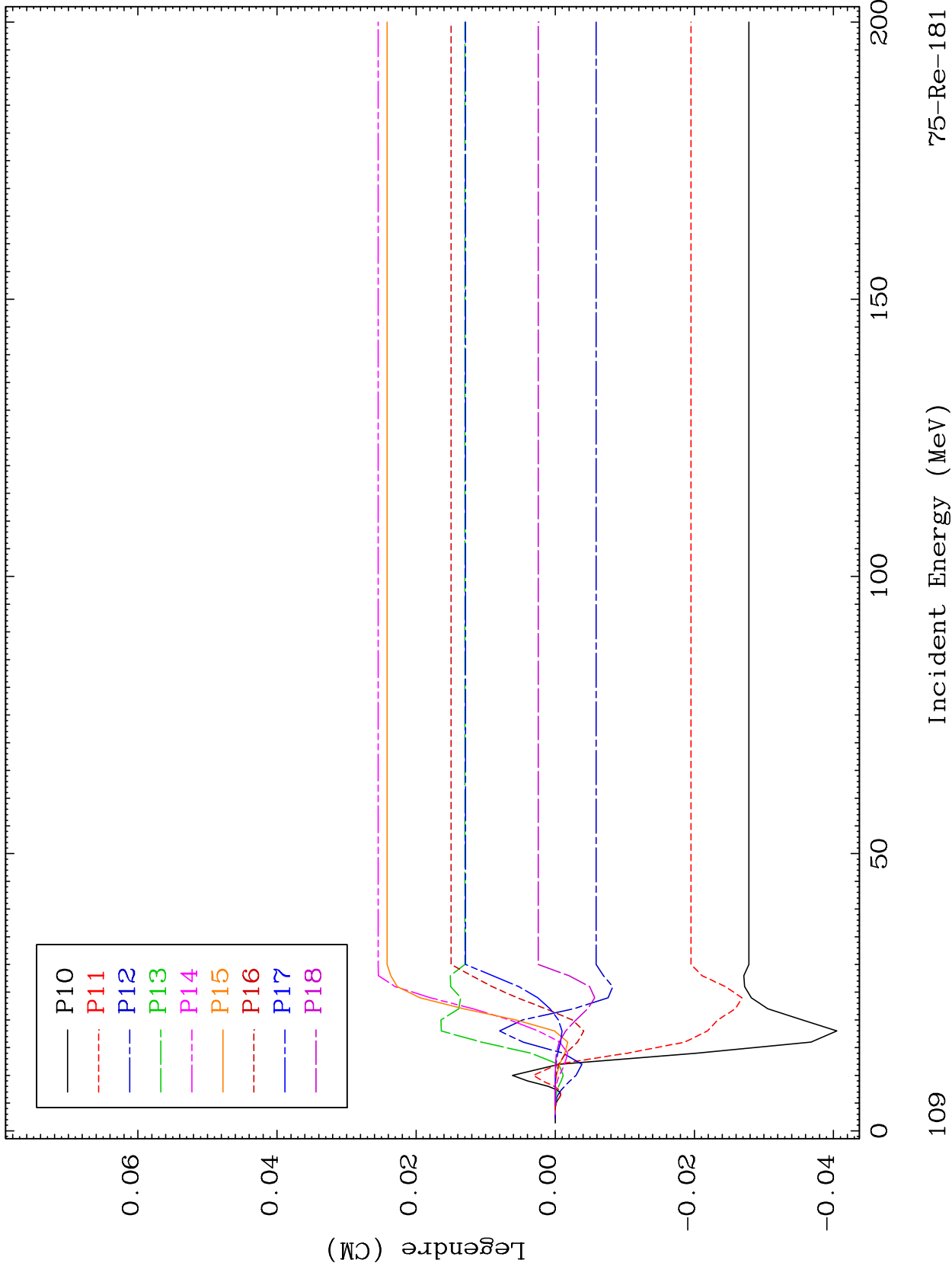
75-Re-181



MAT 7513

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

75-Re-181

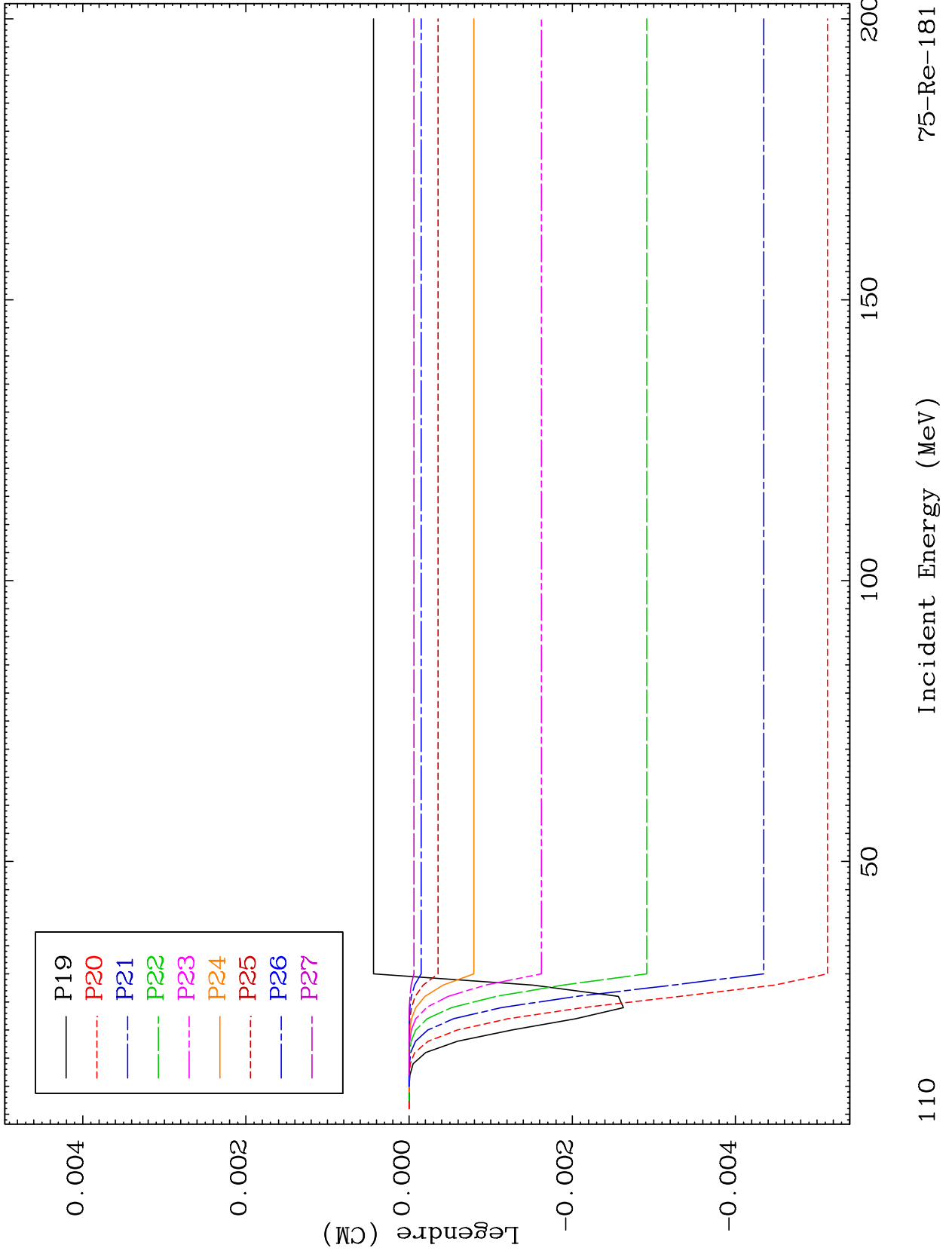


109

MAT 7513

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

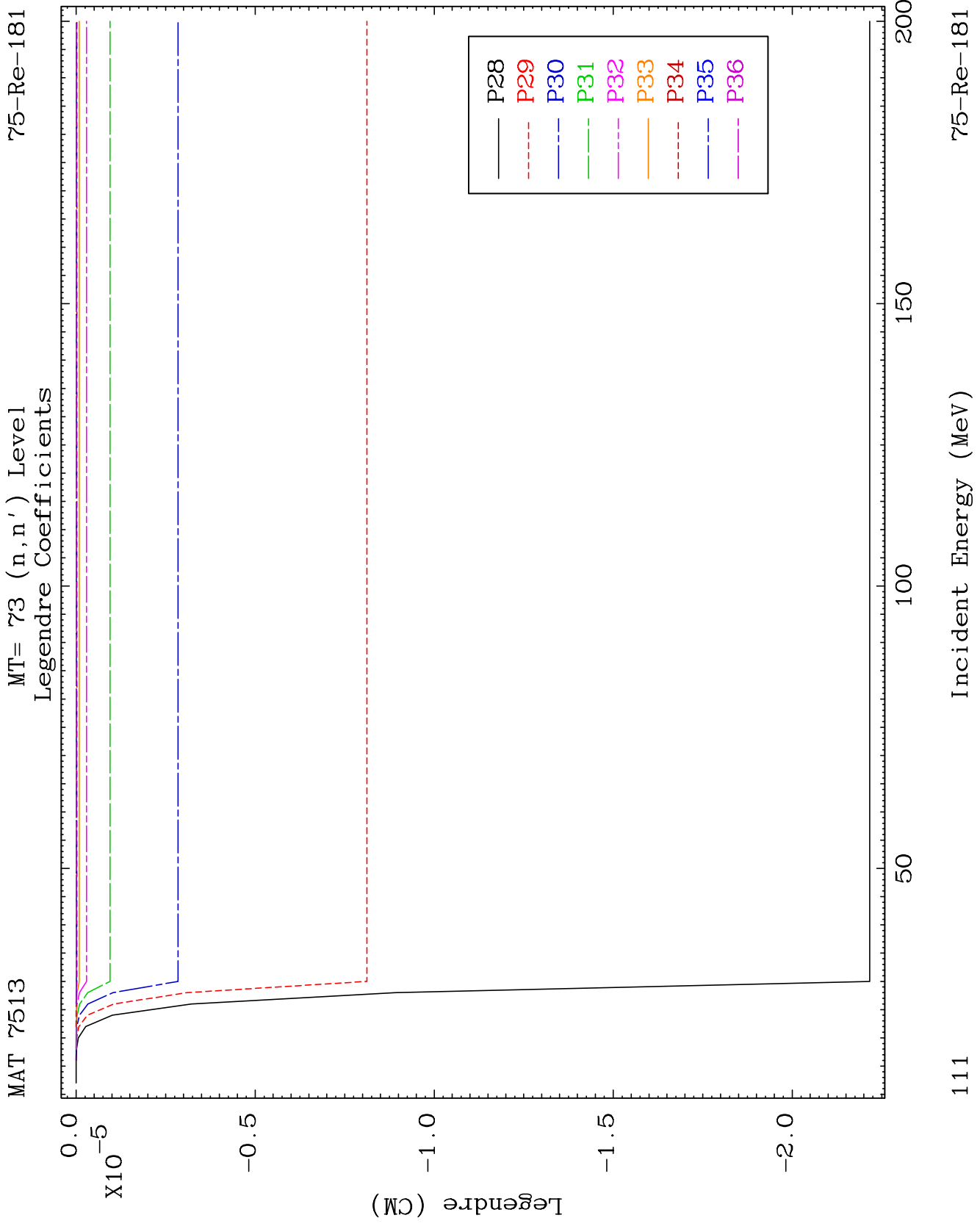
75-Re-181



110

Incident Energy (MeV)

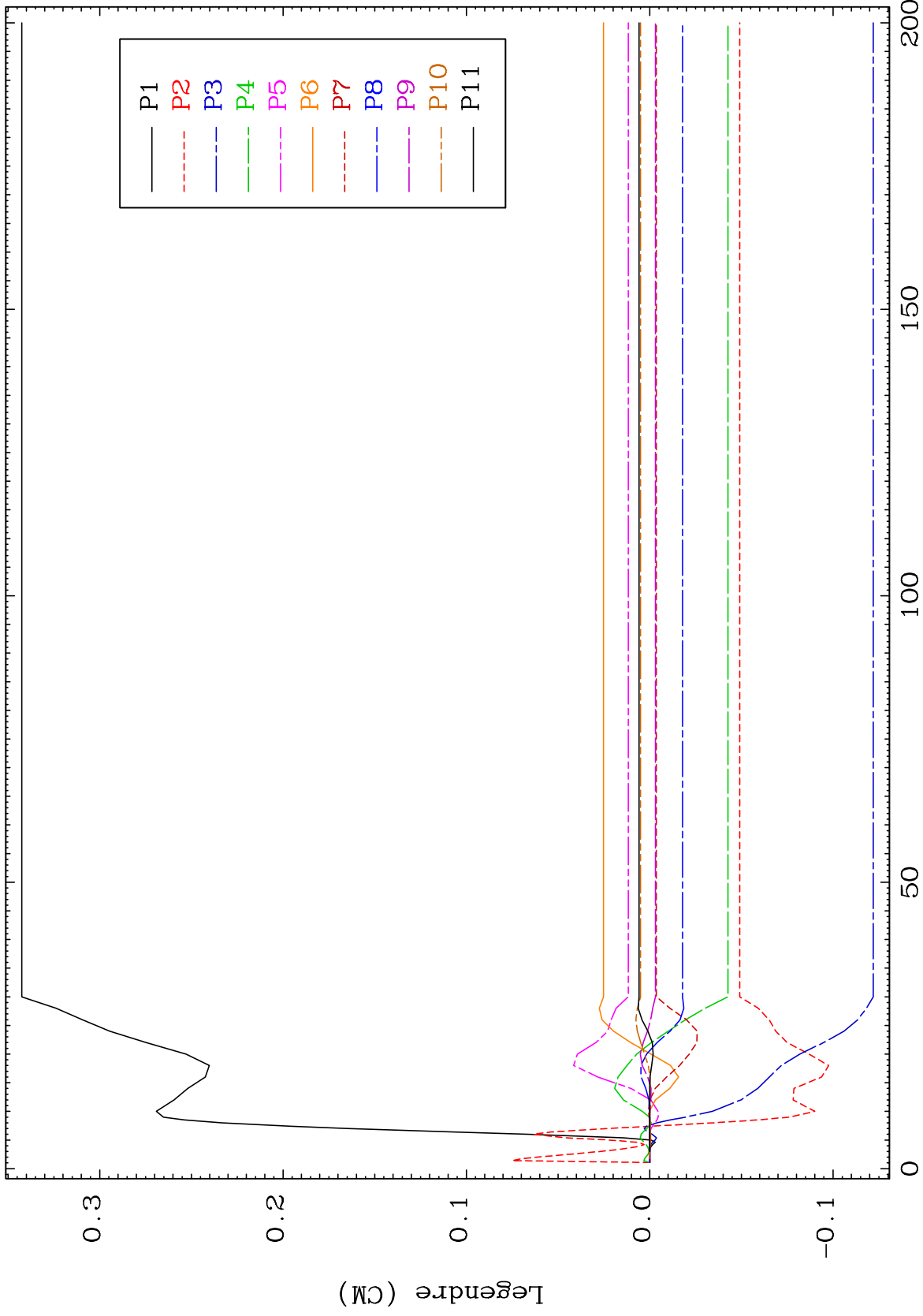
75-Re-181



MAT 7513

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

75-Re-181



112

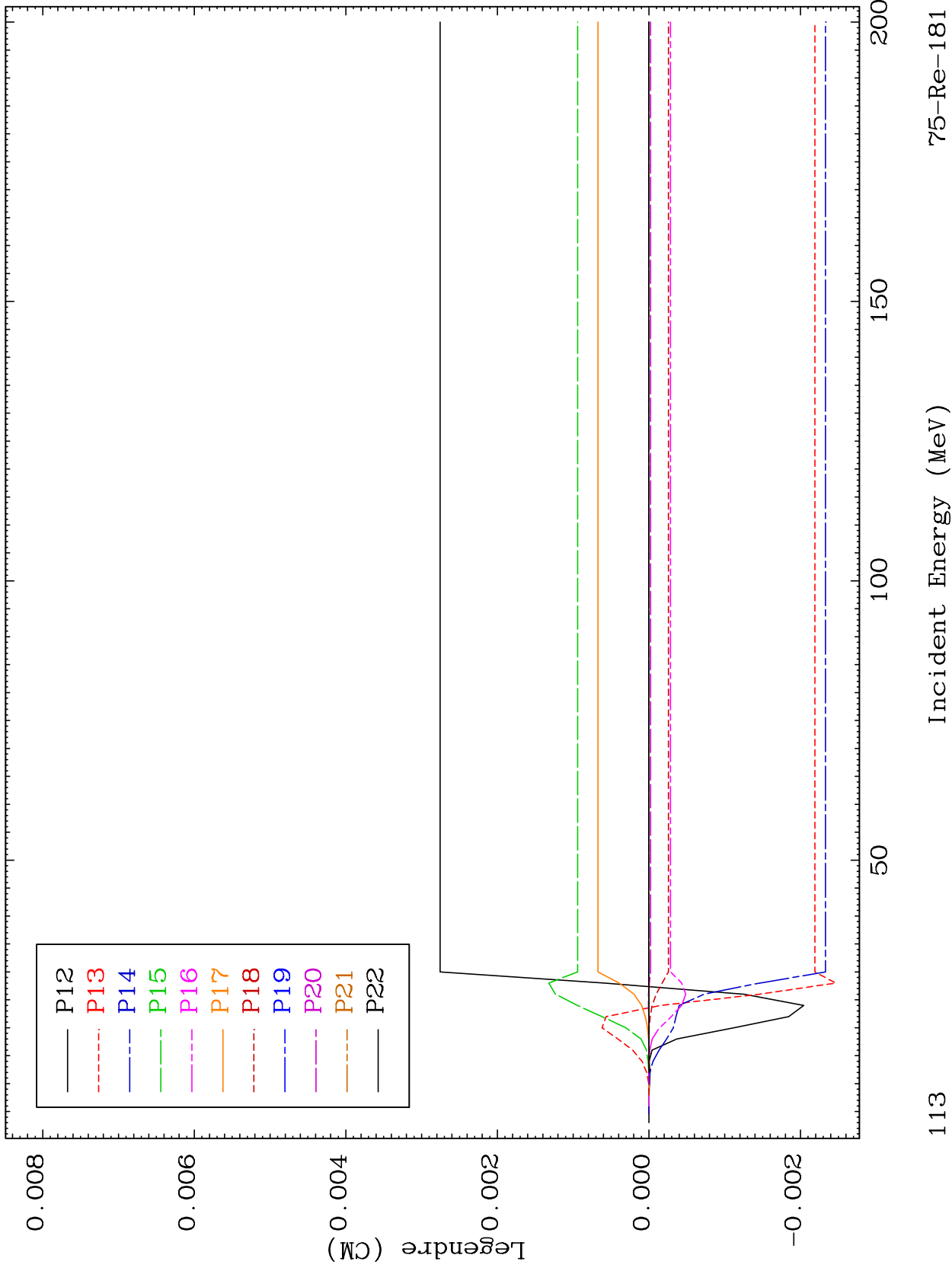
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



113

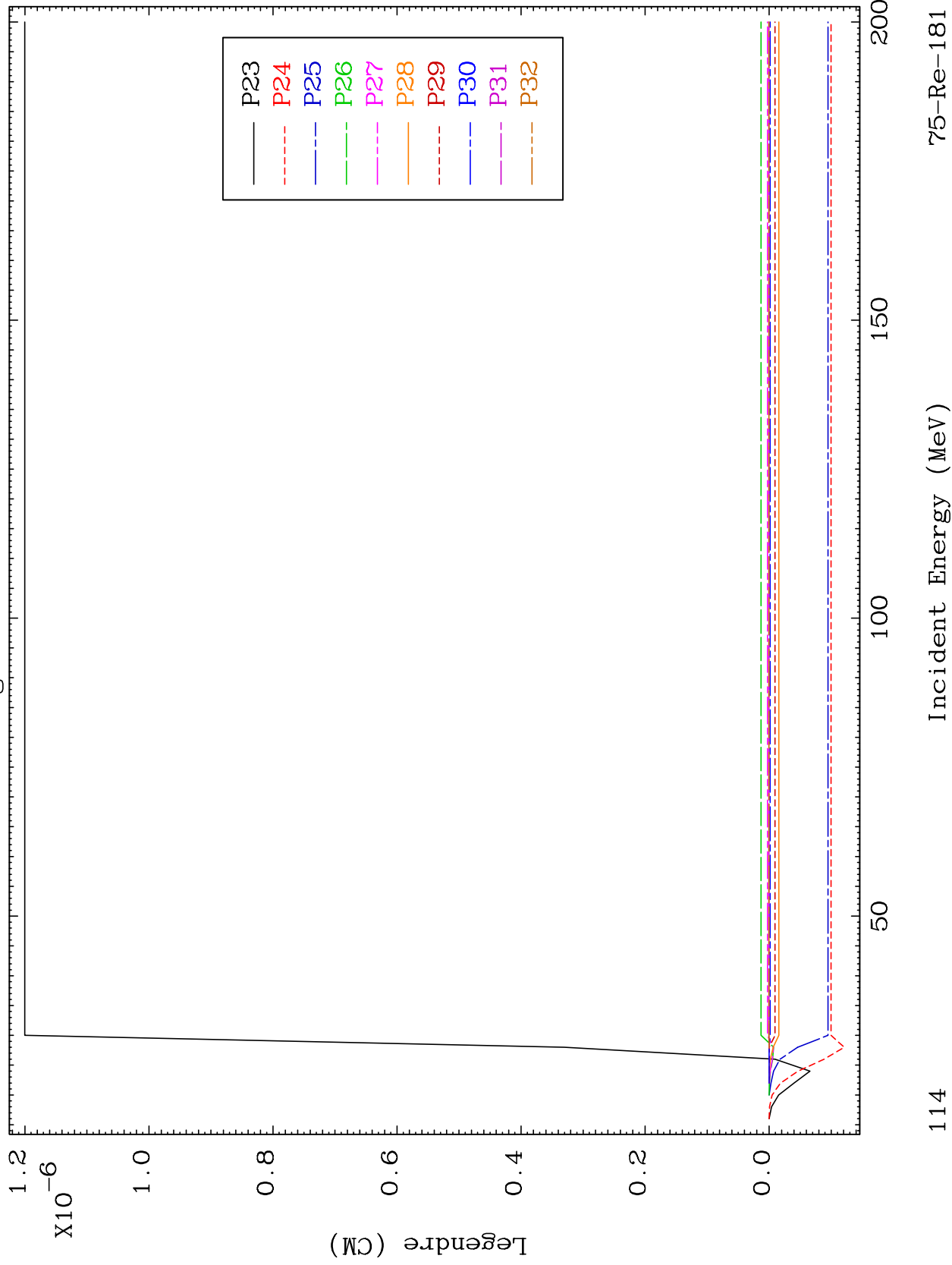
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



114

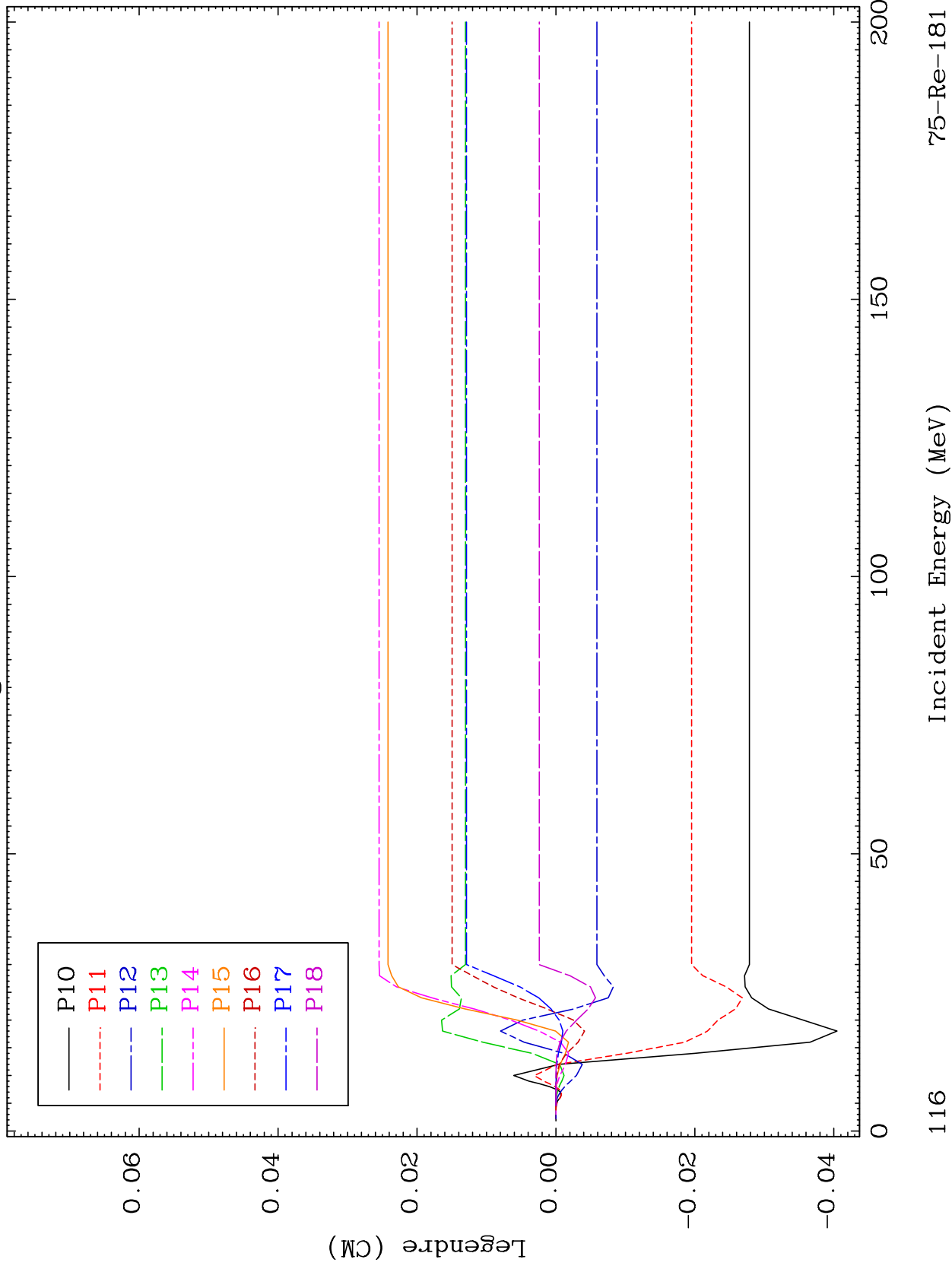
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181



116

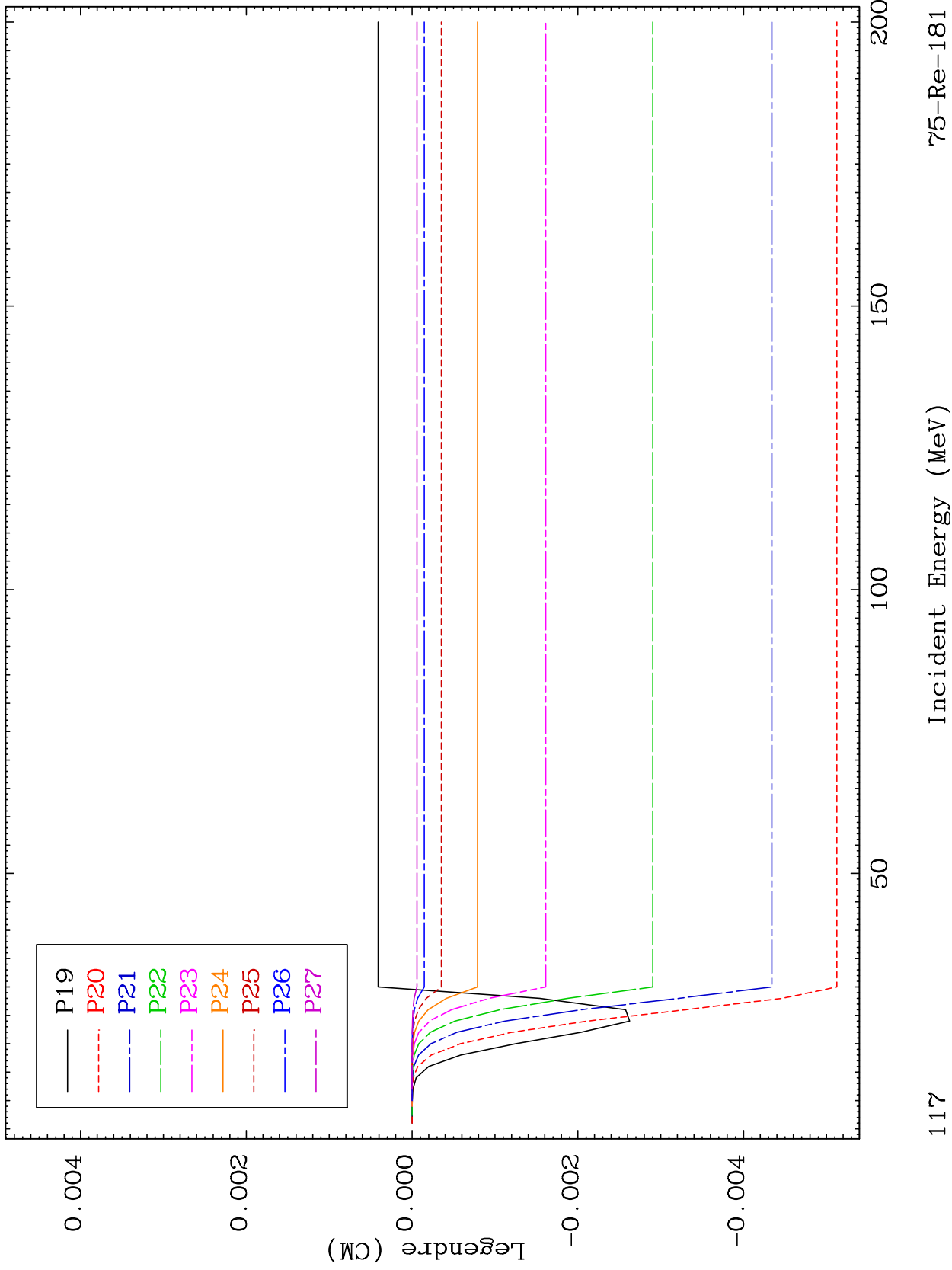
Incident Energy (MeV)

75-Re-181

MAT 7513

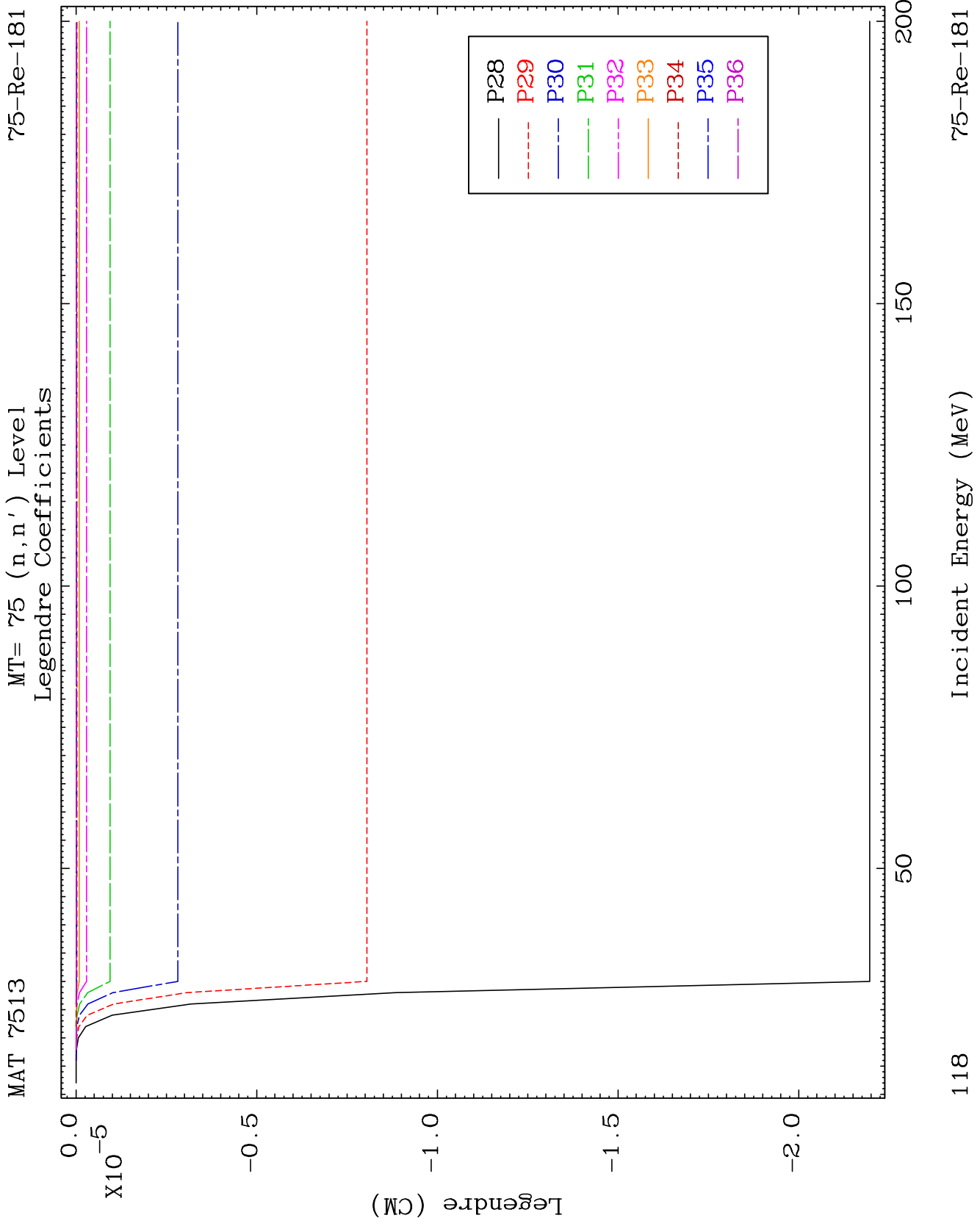
MT= 75 (n,n') Level
Legendre Coefficients

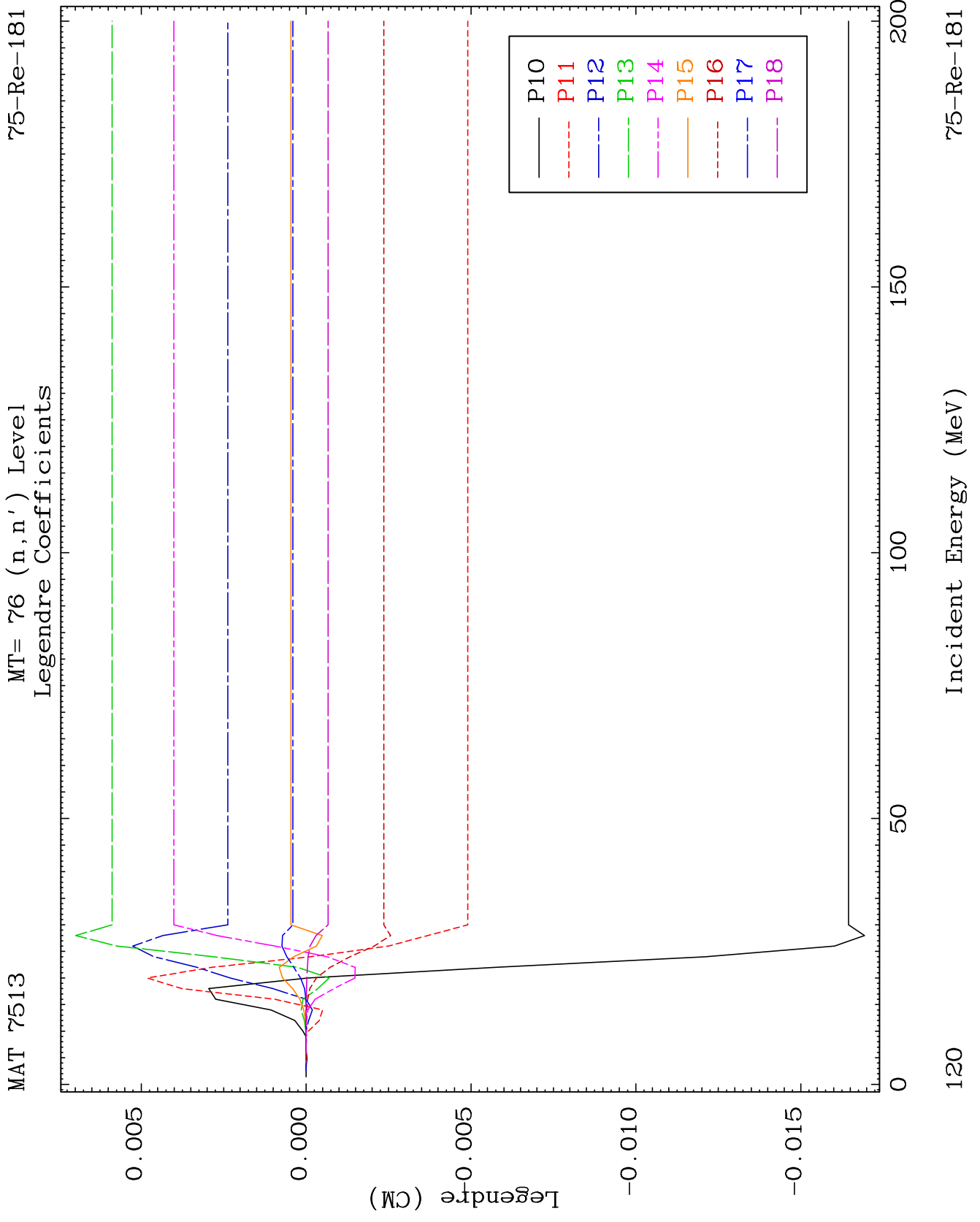
75-Re-181



117

75-Re-181

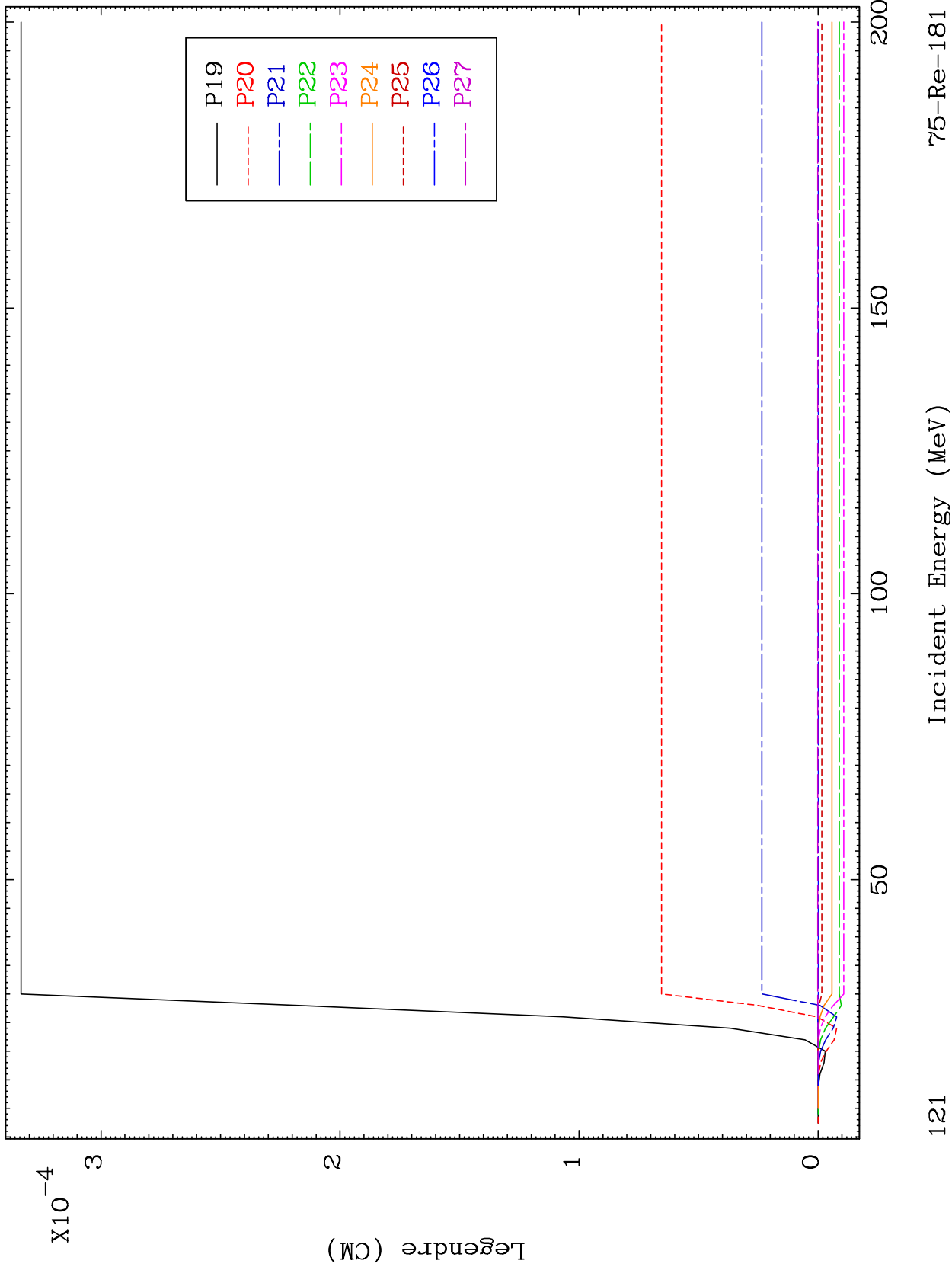




MAT 7513

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

75-Re-181



121

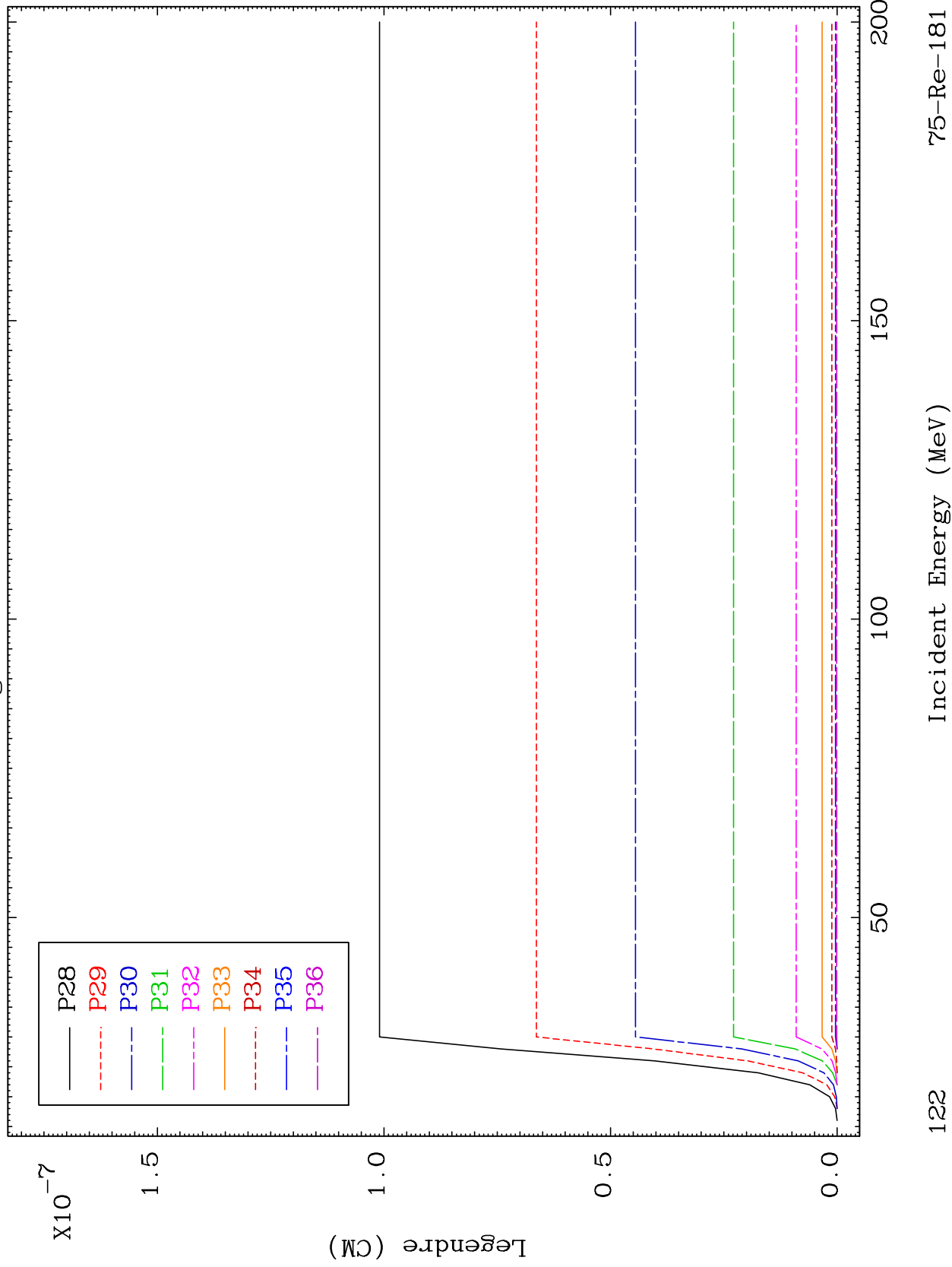
Incident Energy (MeV)

75-Re-181

MAT 7513

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

75-Re-181

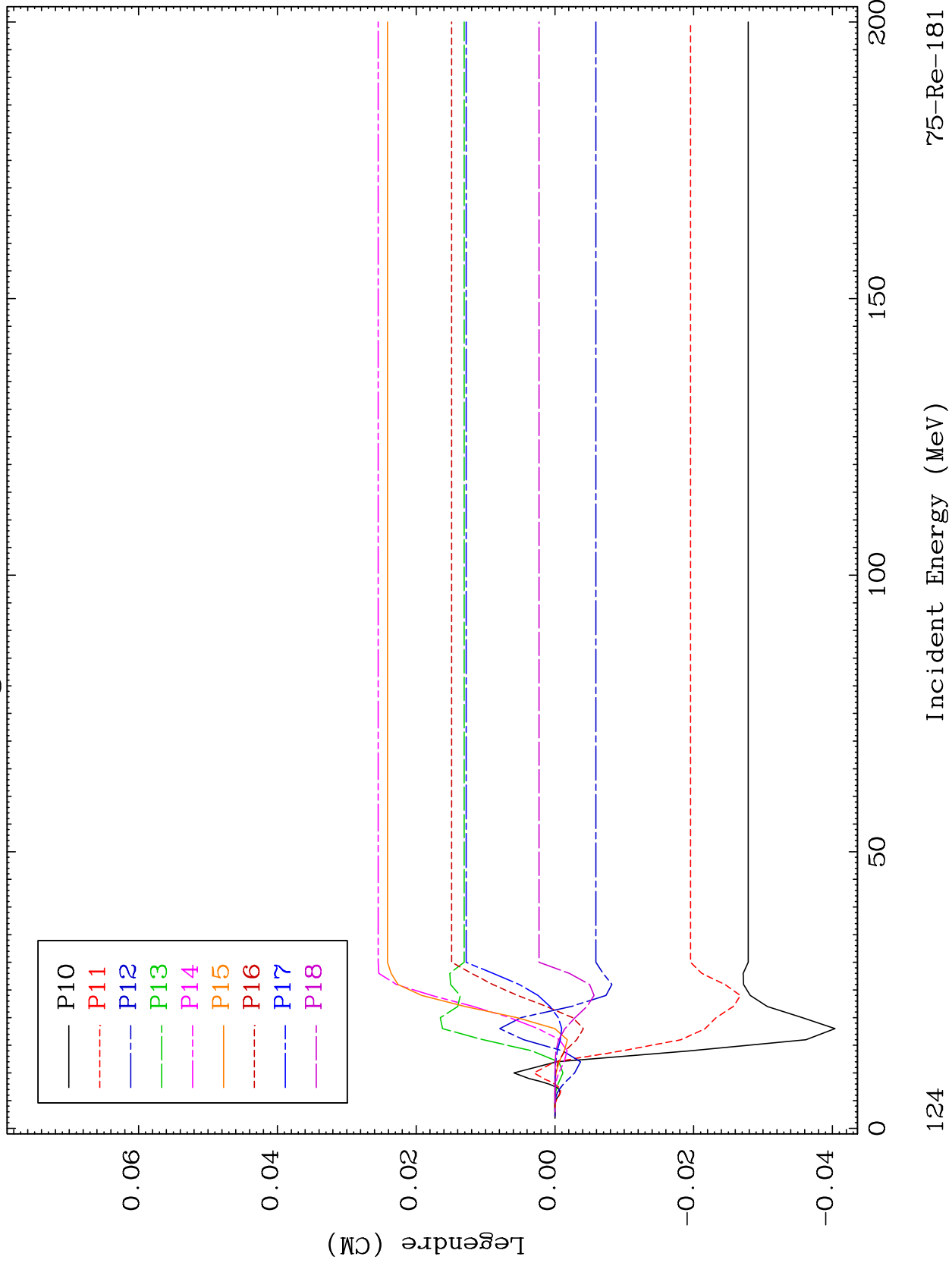


122

MAT 7513

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

75-Re-181



124

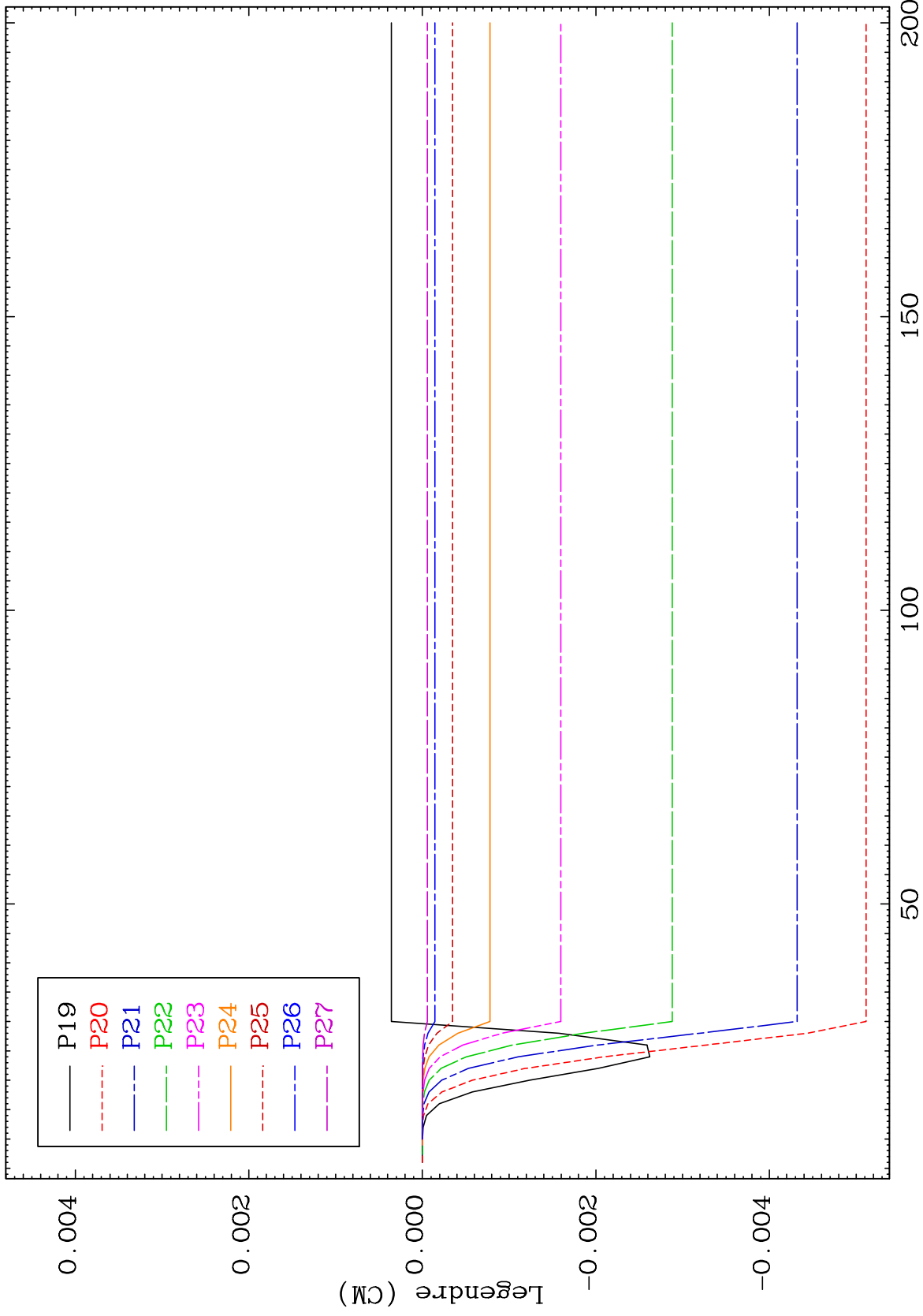
Incident Energy (MeV)

75-Re-181

MAT 7513

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

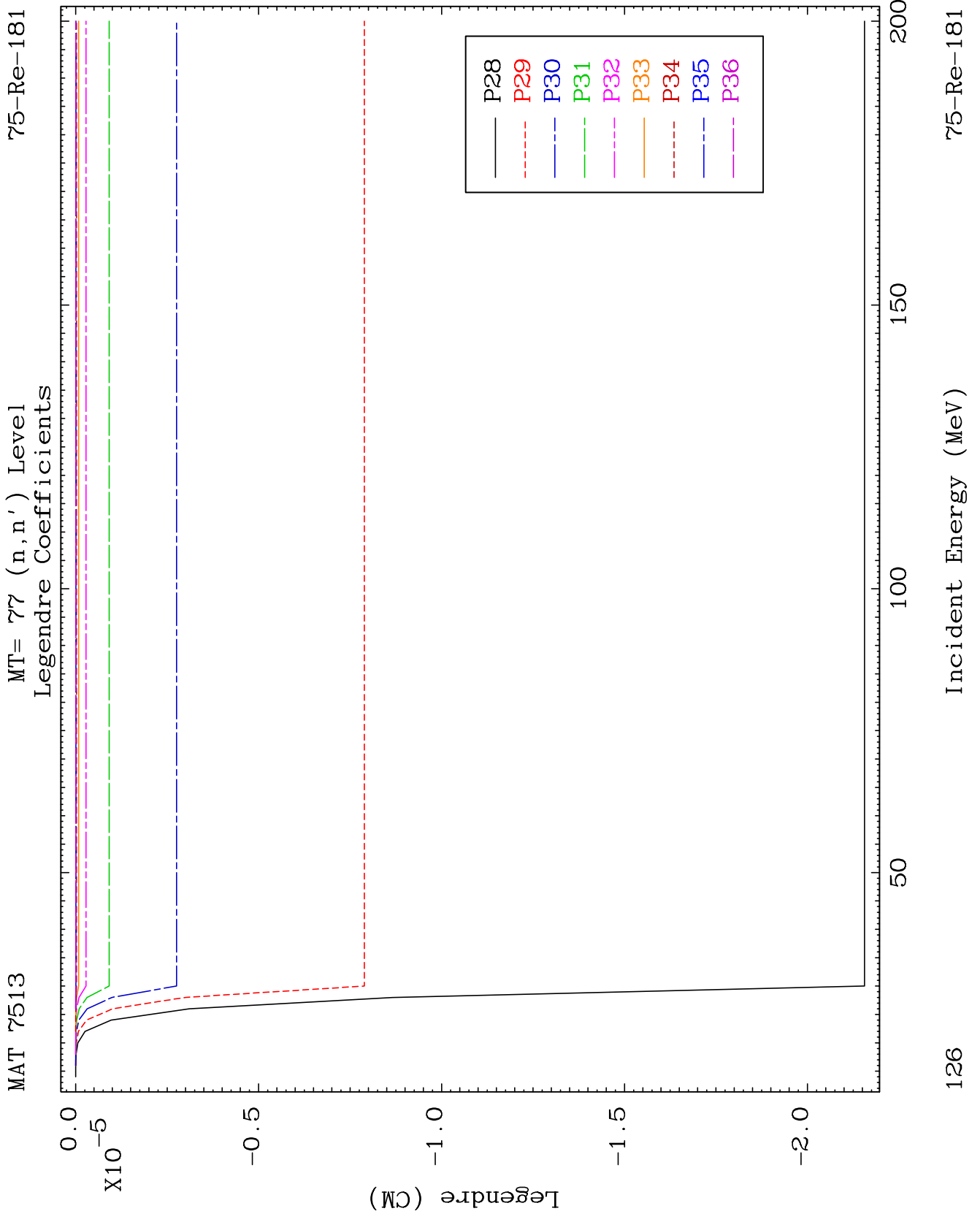
75-Re-181



125

Incident Energy (MeV)

75-Re-181

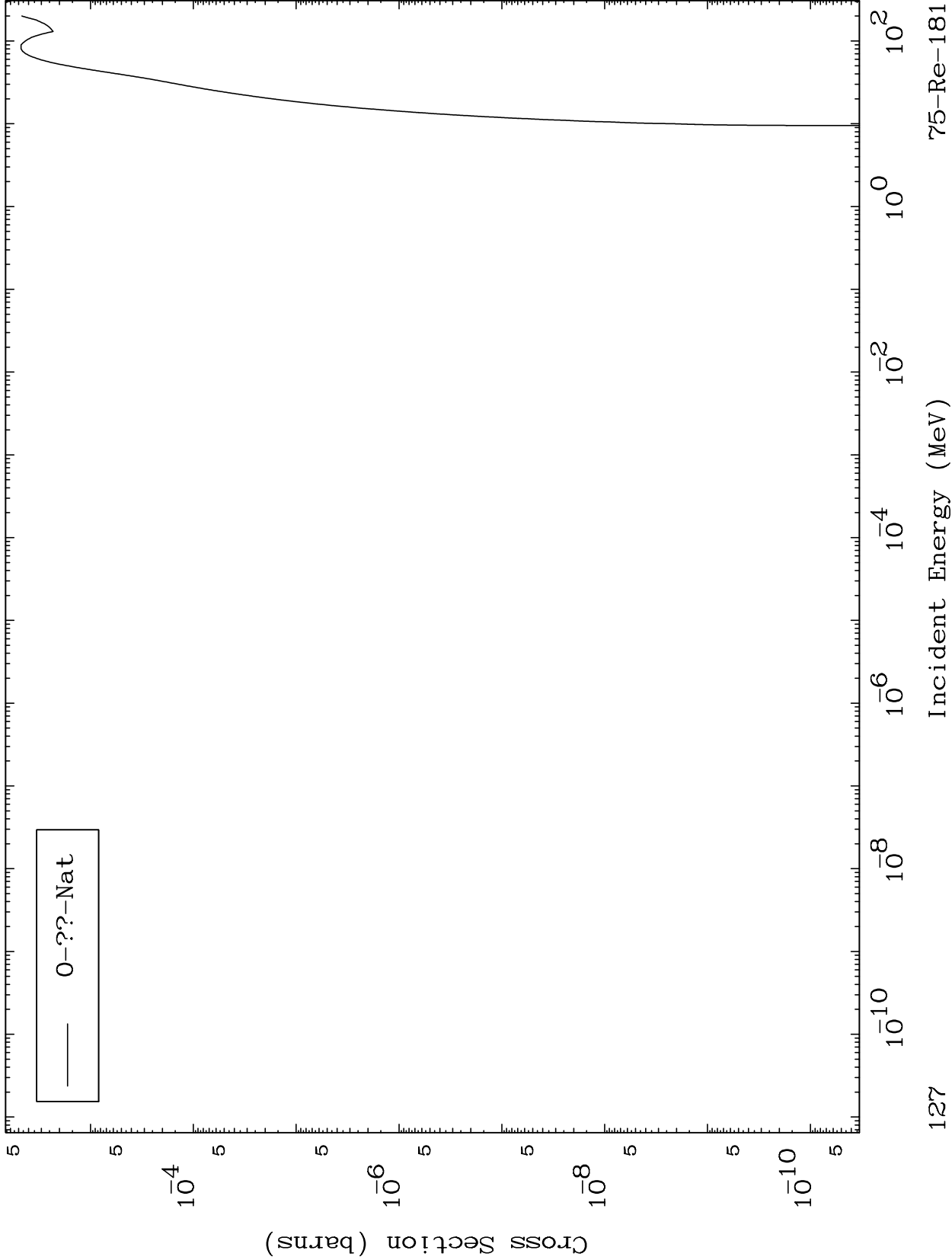


MAT 7513

Fission

⁷⁵Re-181

Radionuclide Production Cross Section



127

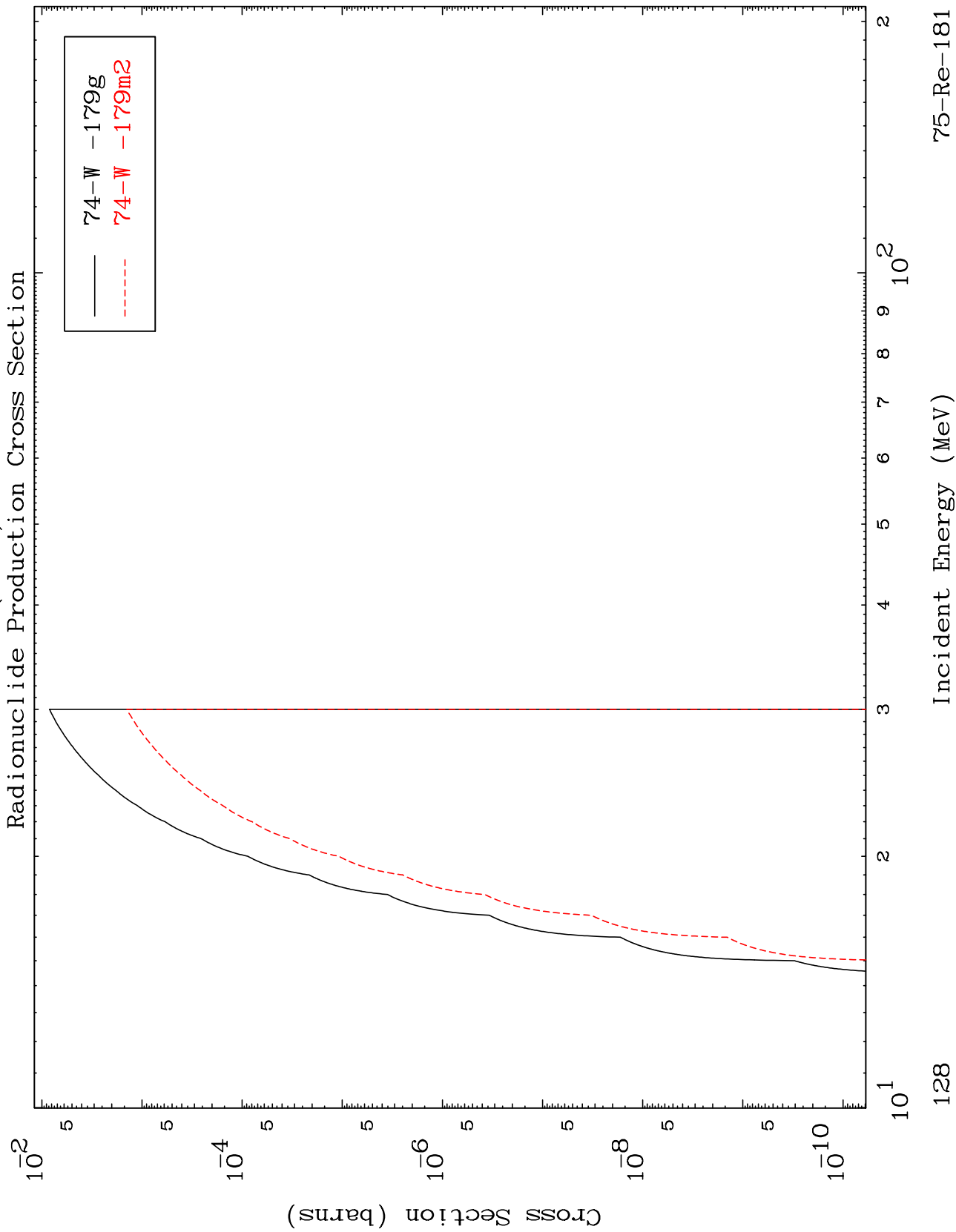
Incident Energy (MeV)

⁷⁵Re-181

MAT 7513

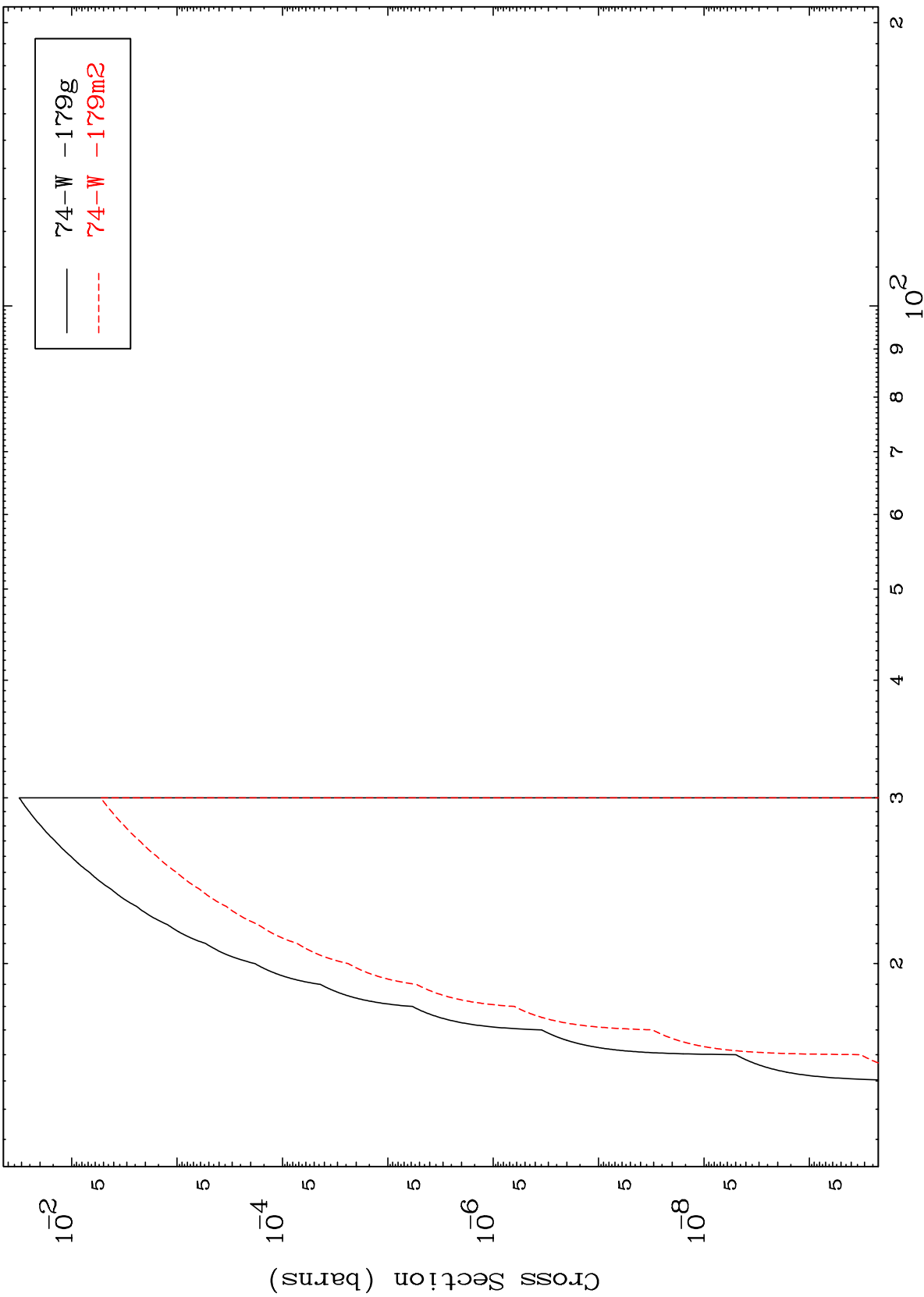
(n,n') d

75-Re-181



128

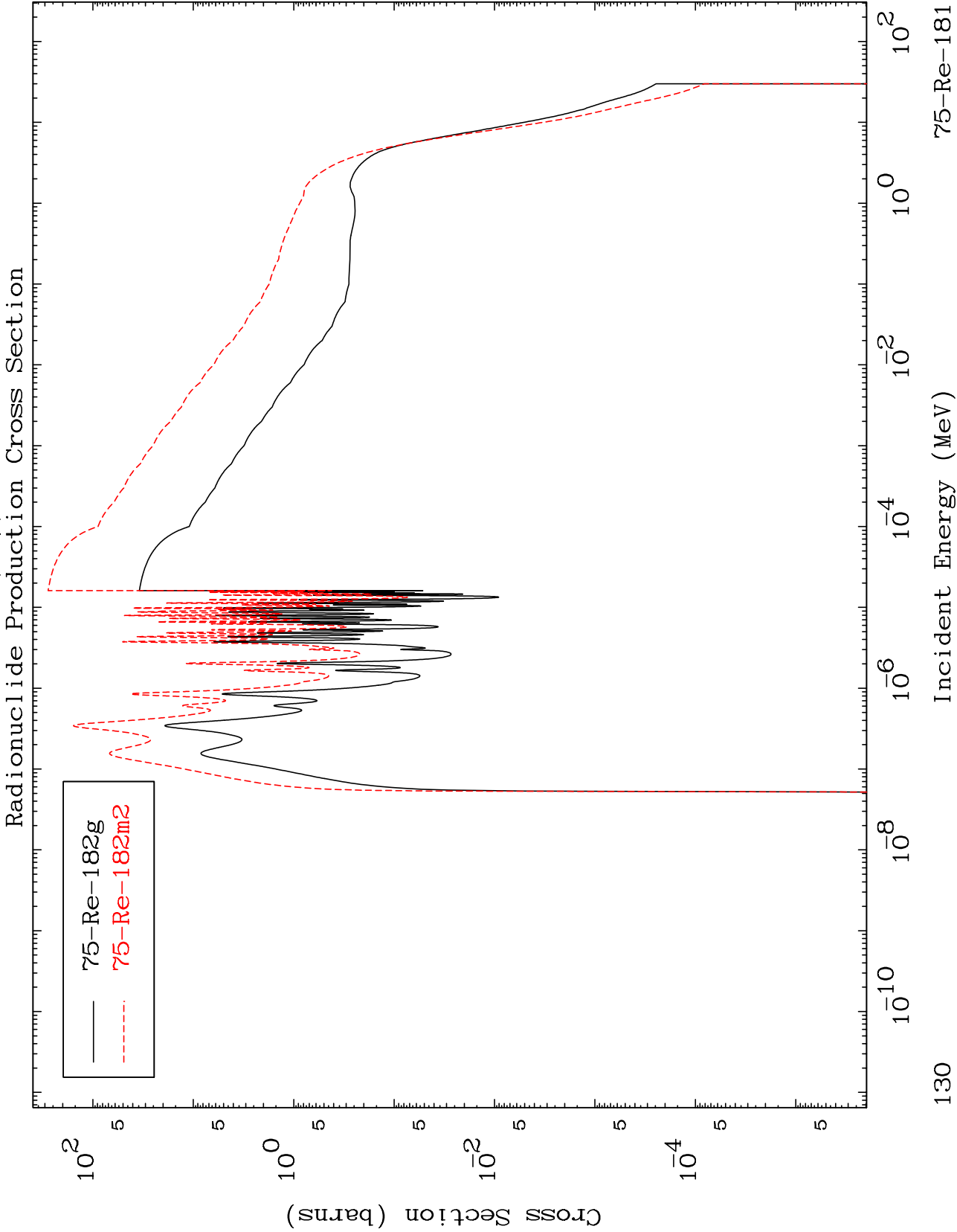
Radionuclide Production Cross Section



74-W - 179g
74-W - 179m2

MAT 7513

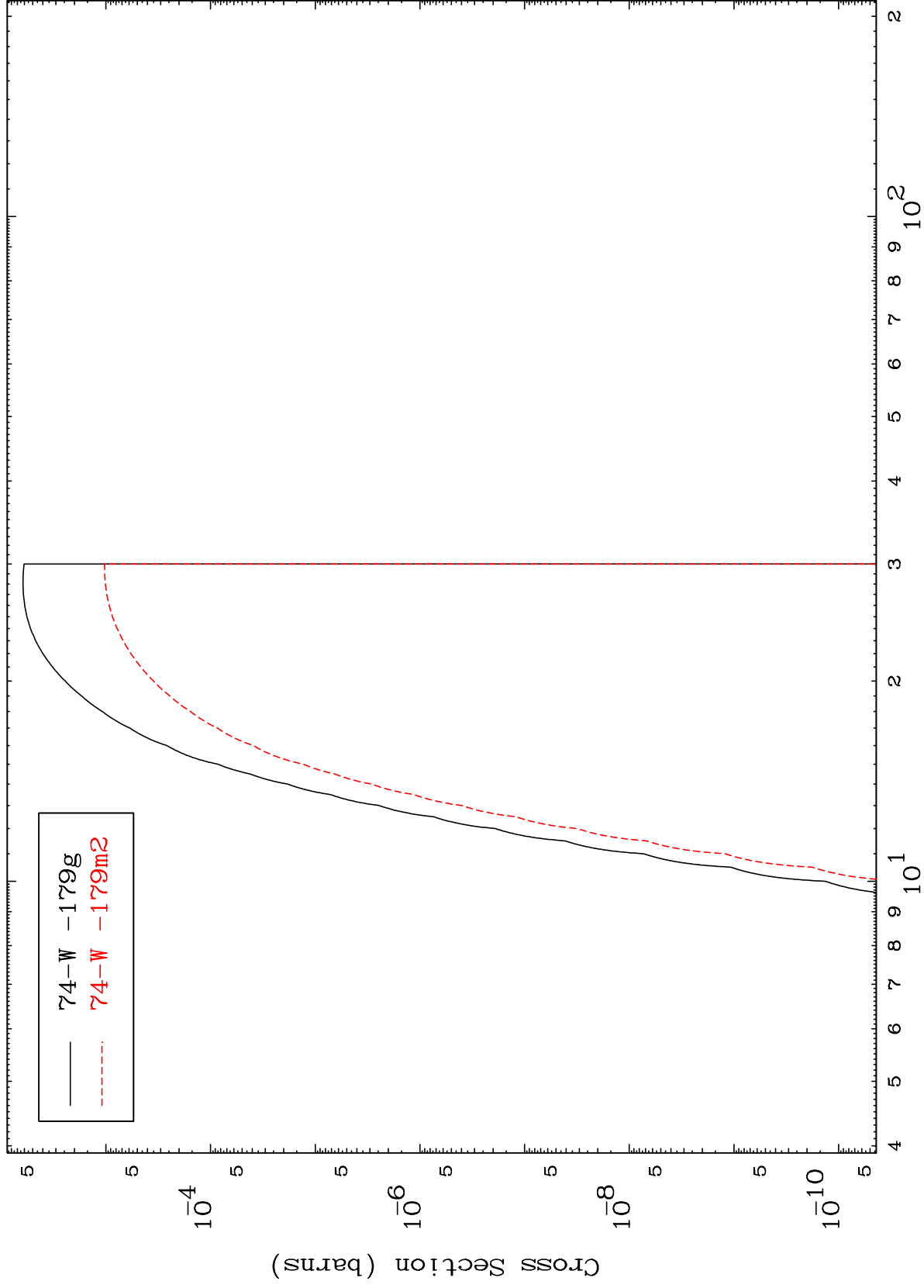
⁷⁵Re-181



MAT 7513

75-Re-181

Radionuclide Production Cross Section (n, t)



131

Incident Energy (MeV)

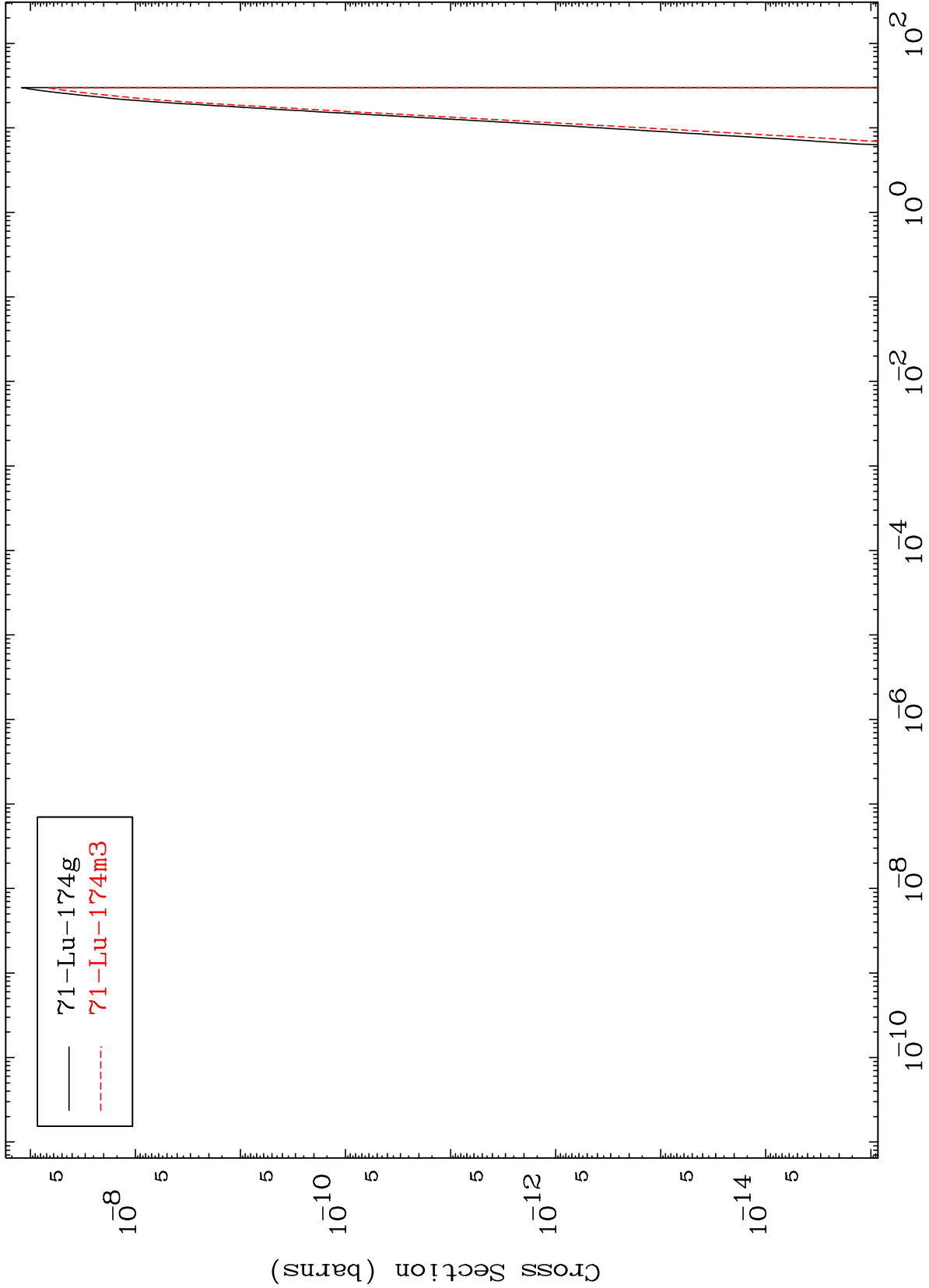
75-Re-181

MAT 7513

(n,2α)

75-Re-181

Radionuclide Production Cross Section

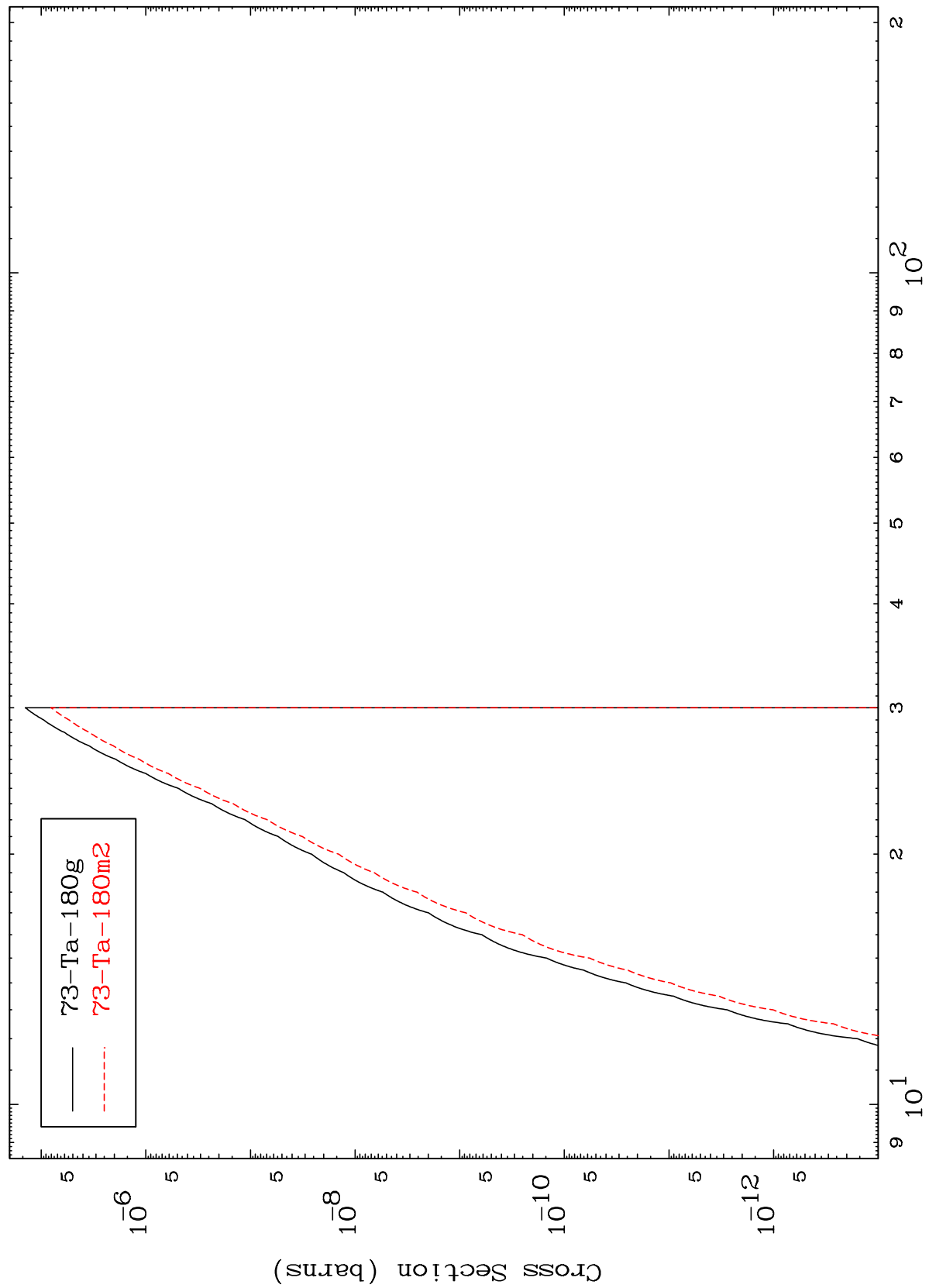


71-Lu-174g
71-Lu-174m3

MAT 7513

75-Re-181

(n,2p)
Radionuclide Production Cross Section



133

Incident Energy (MeV)

75-Re-181