

Program EVALPLOT
(Version 2021-1)

by

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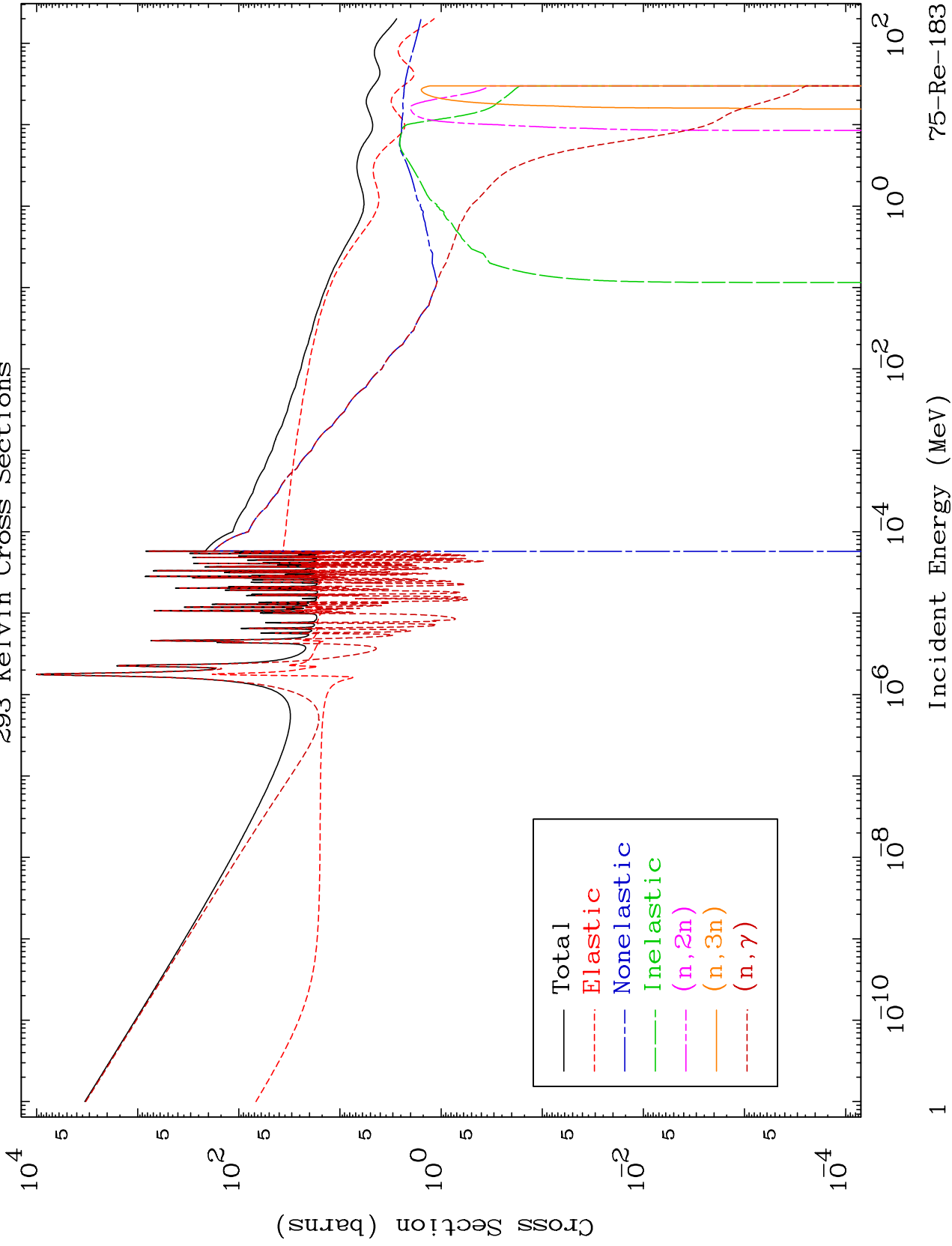
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Press Mouse Button to Start

MAT 7519

Neutron Major
293 Kelvin Cross Sections

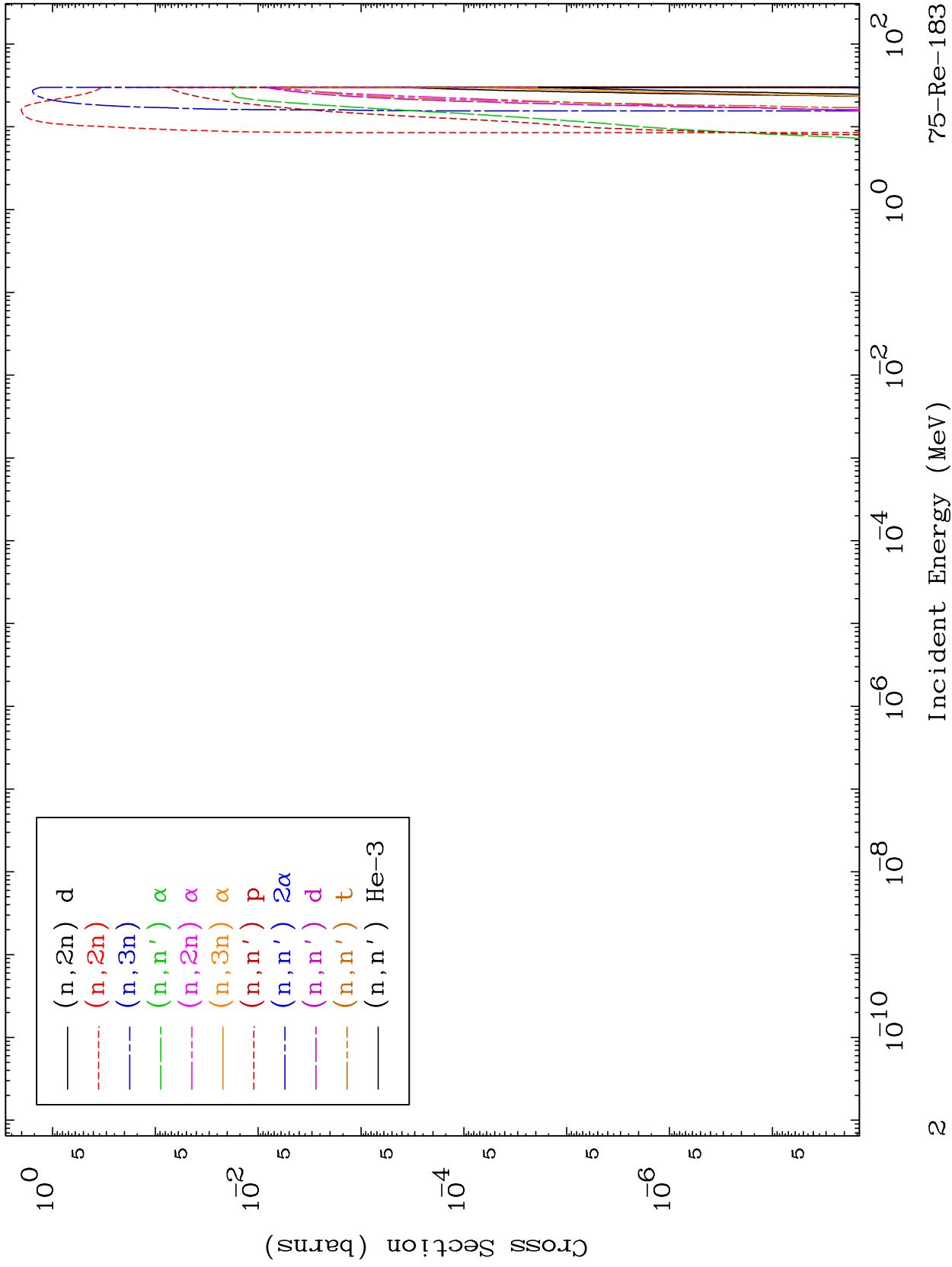
75-Re-183



MAT 7519

Neutron Absorption
293 Kelvin Cross Sections

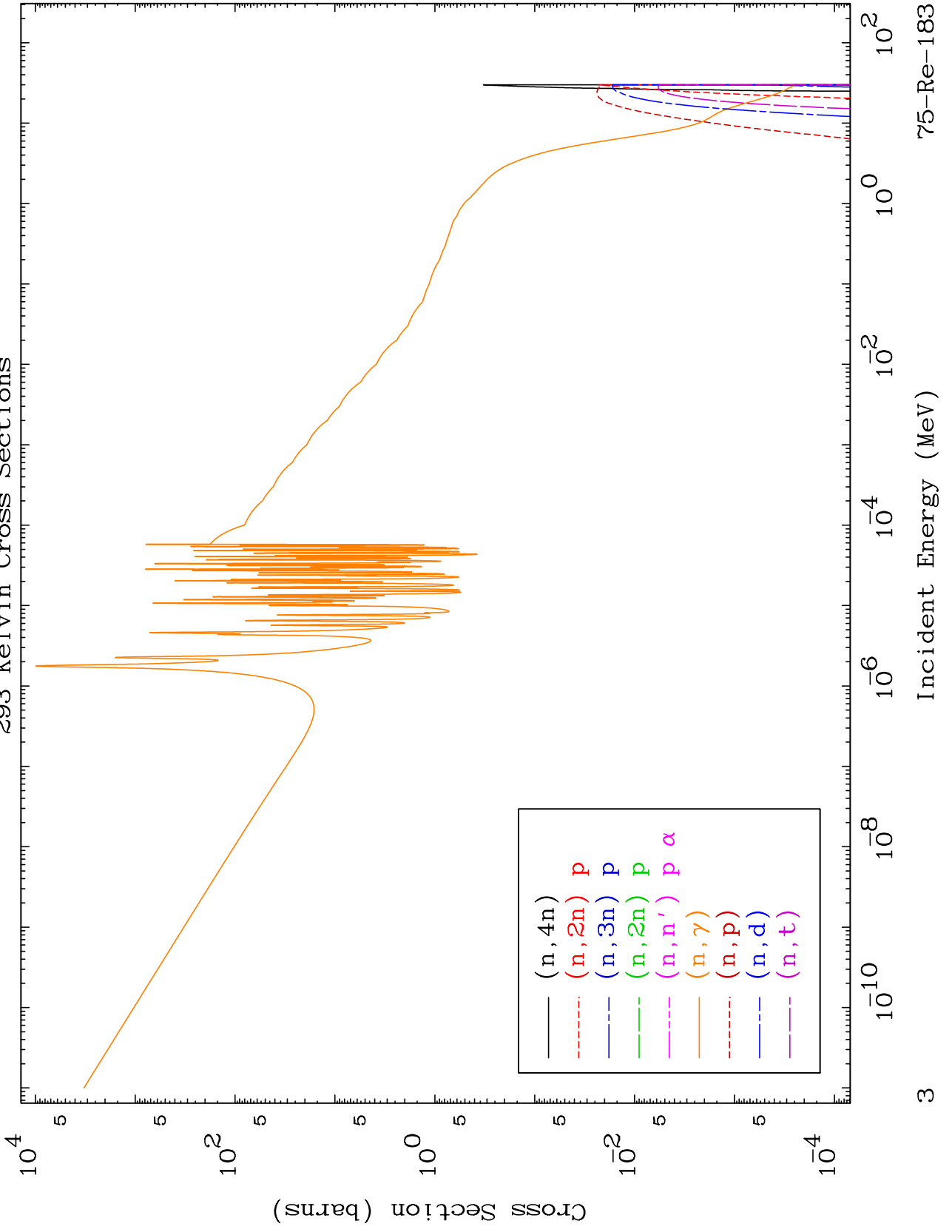
75-Re-183

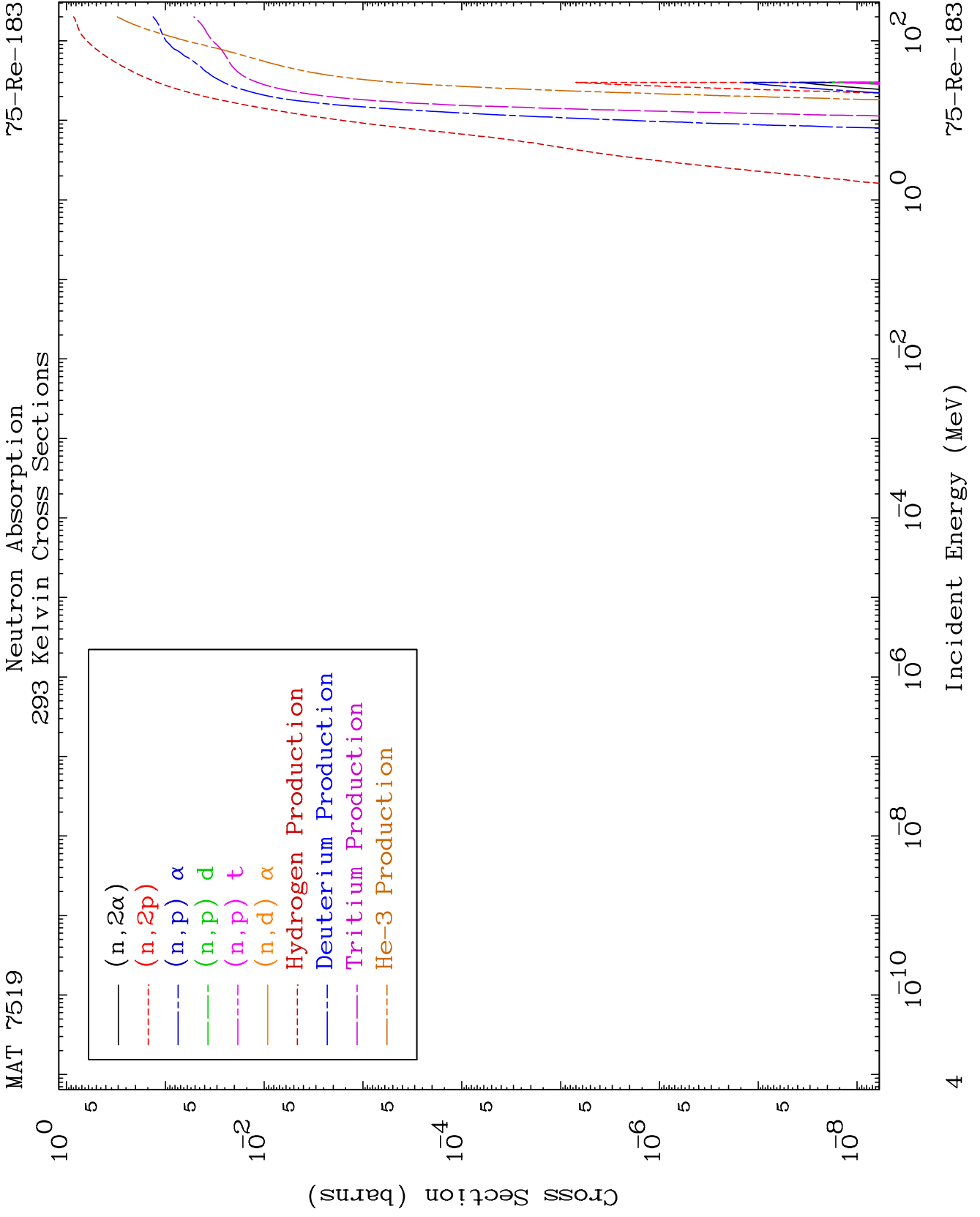


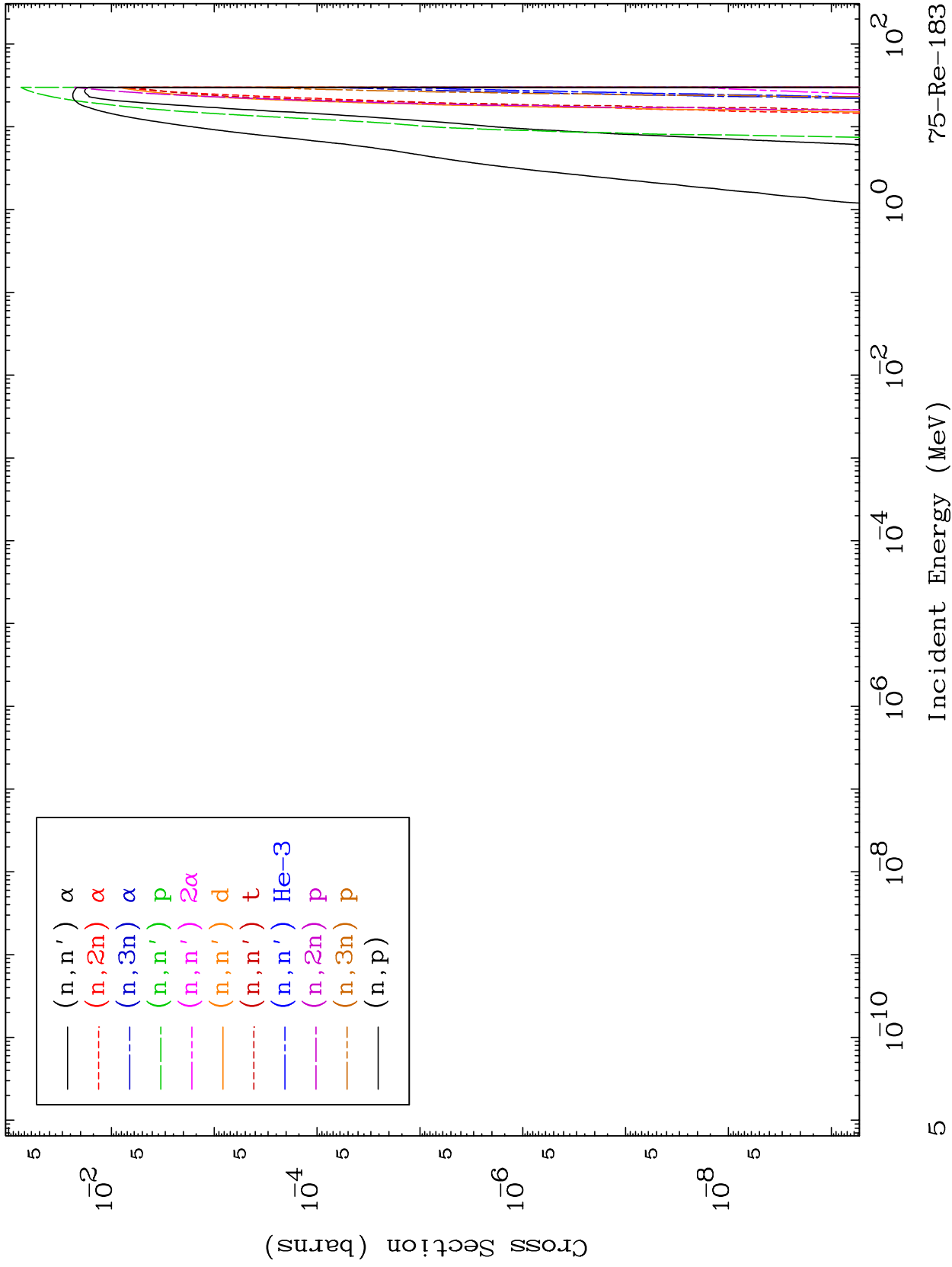
MAT 7519

Neutron Absorption
293 Kelvin Cross Sections

75-Re-183



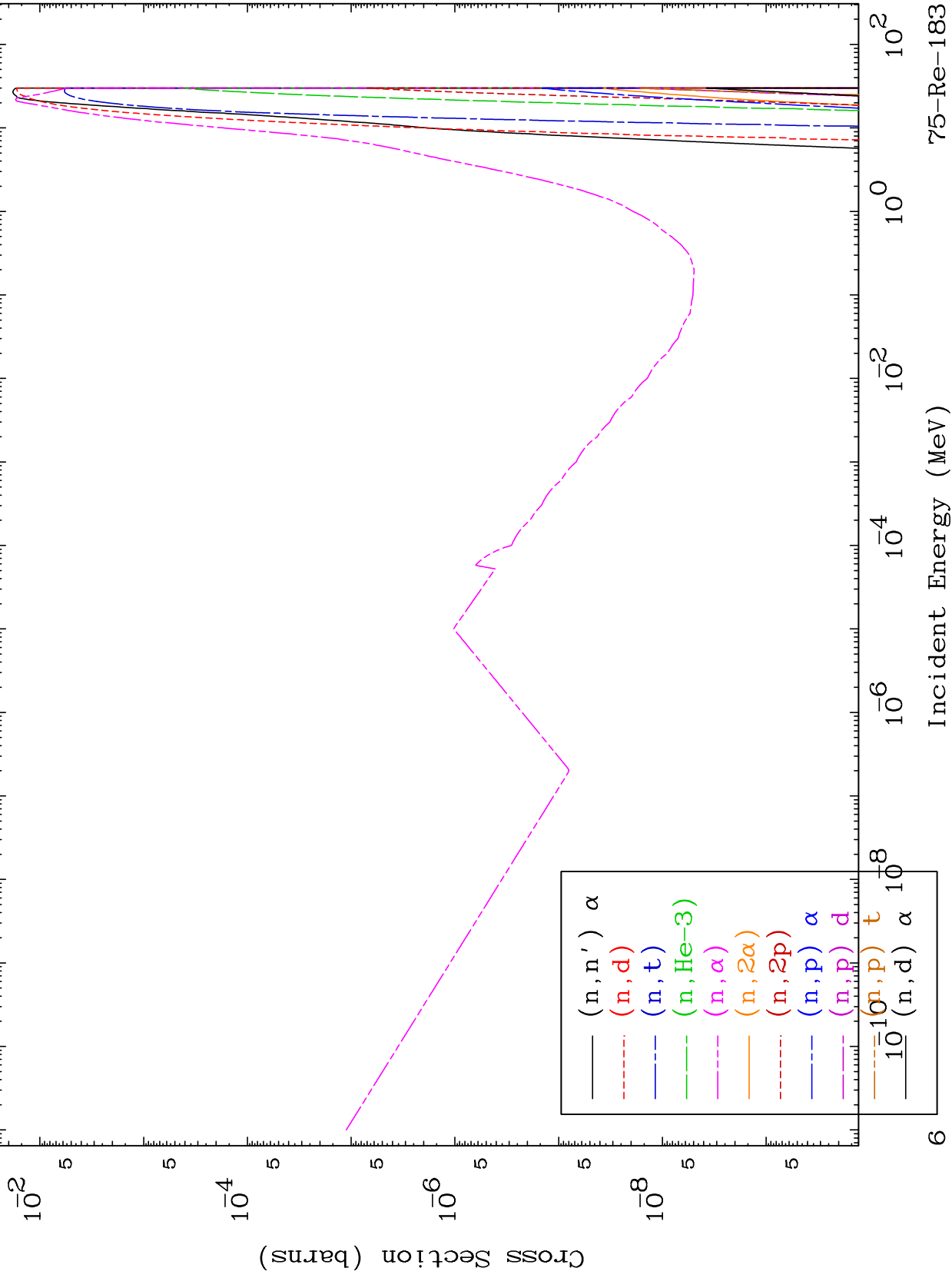




MAT 7519

Charged Particle
293 Kelvin Cross Sections

75-Re-183

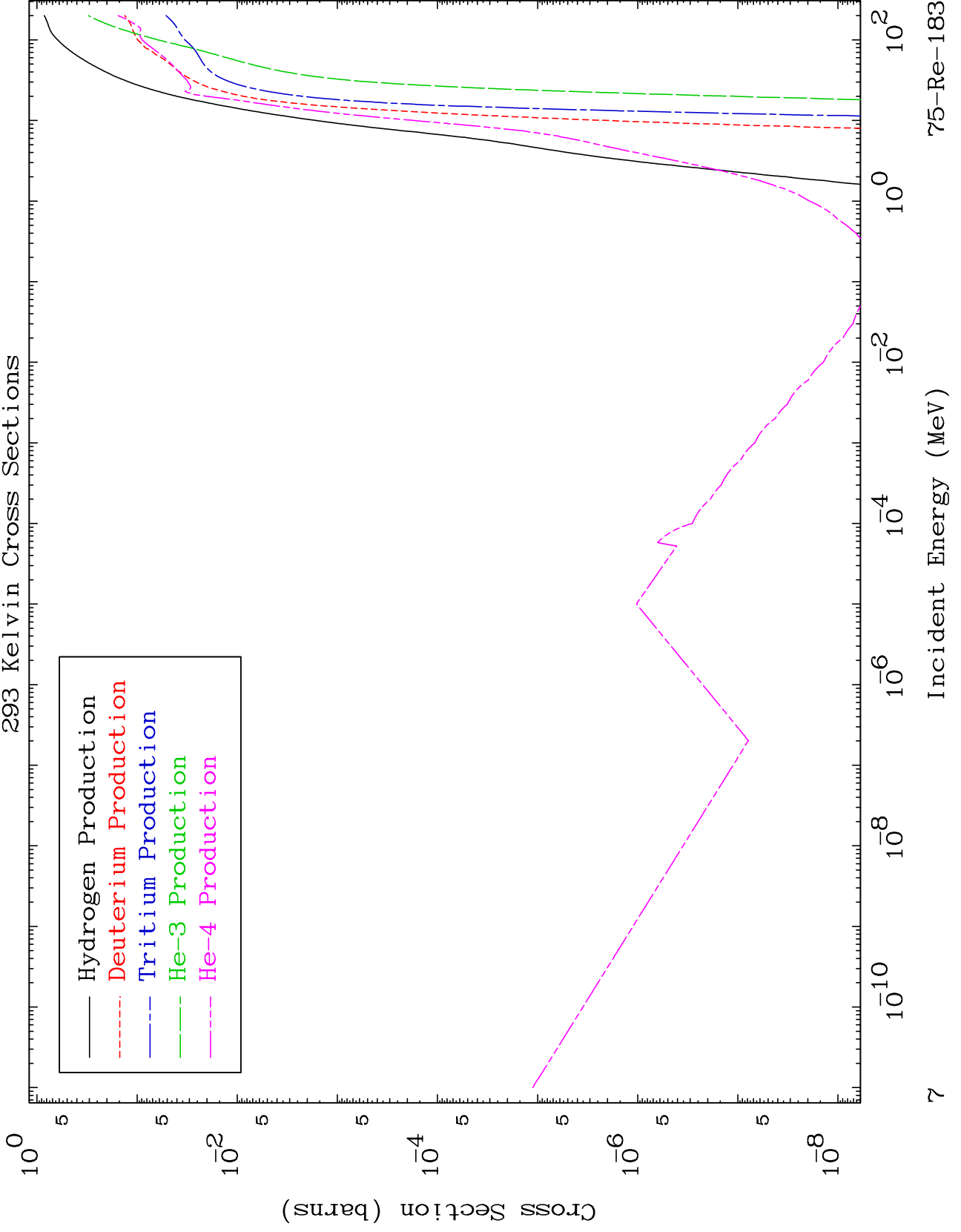


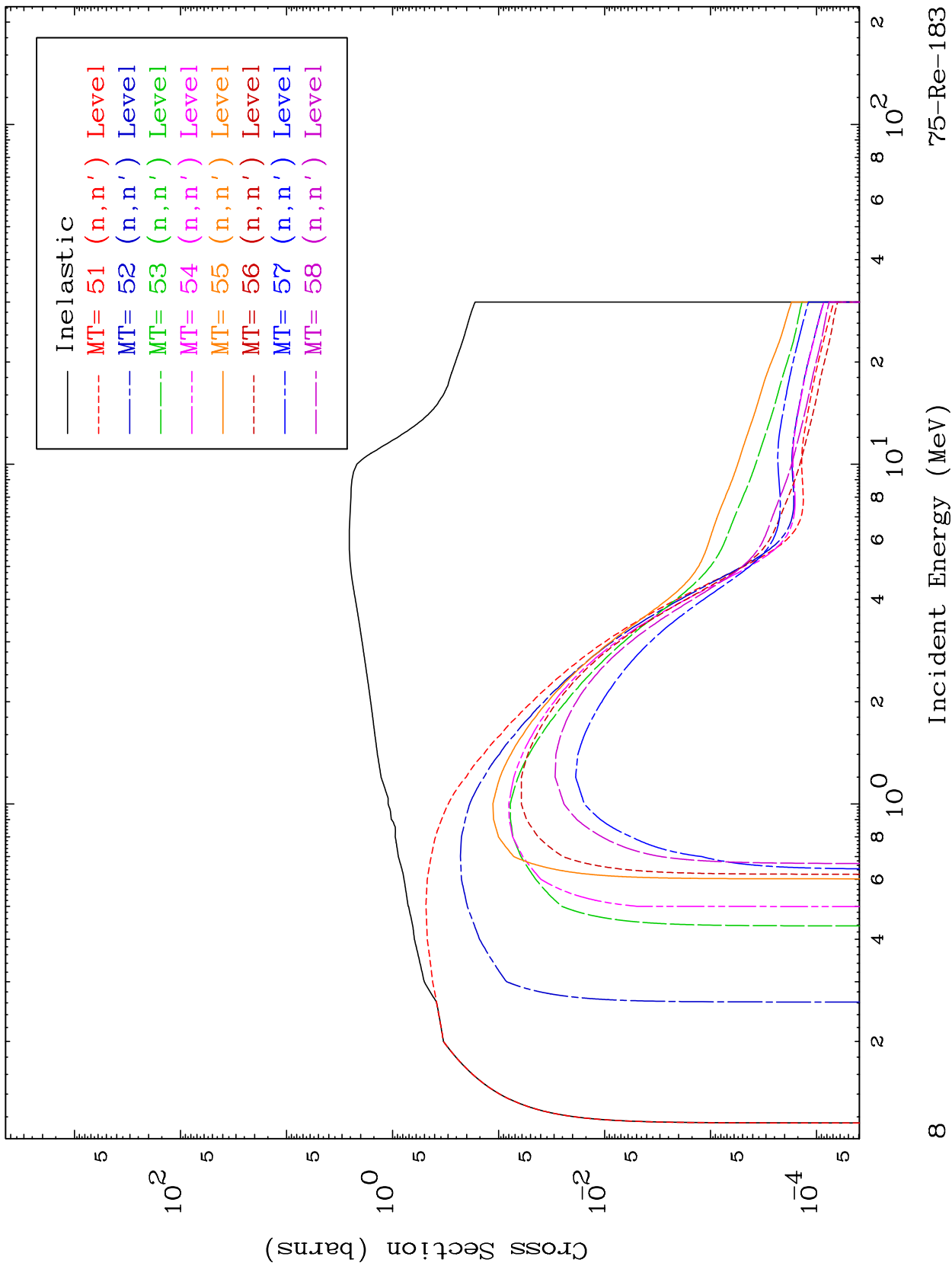
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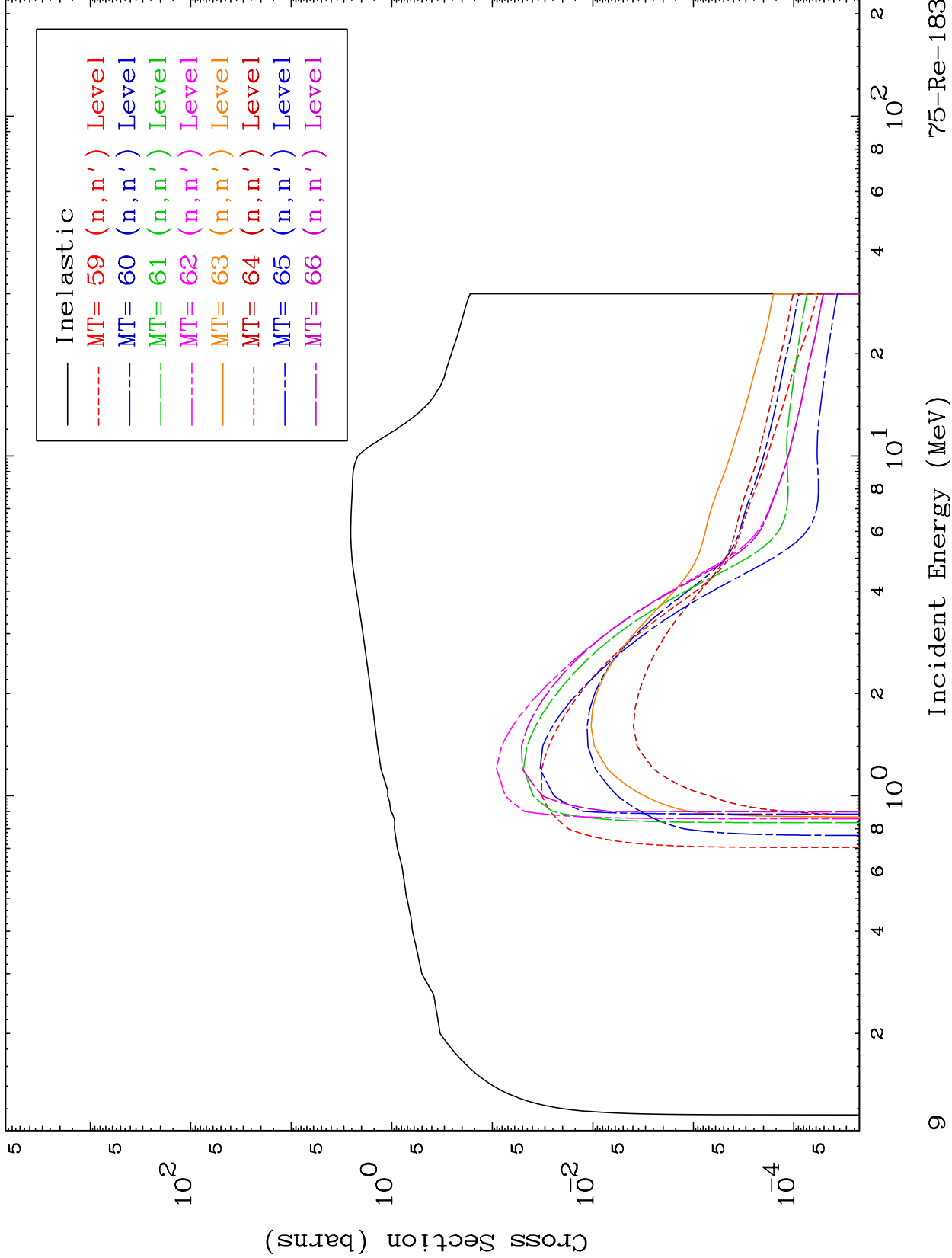
MAT 7519

Particle Production
293 Kelvin Cross Sections

75-Re-183



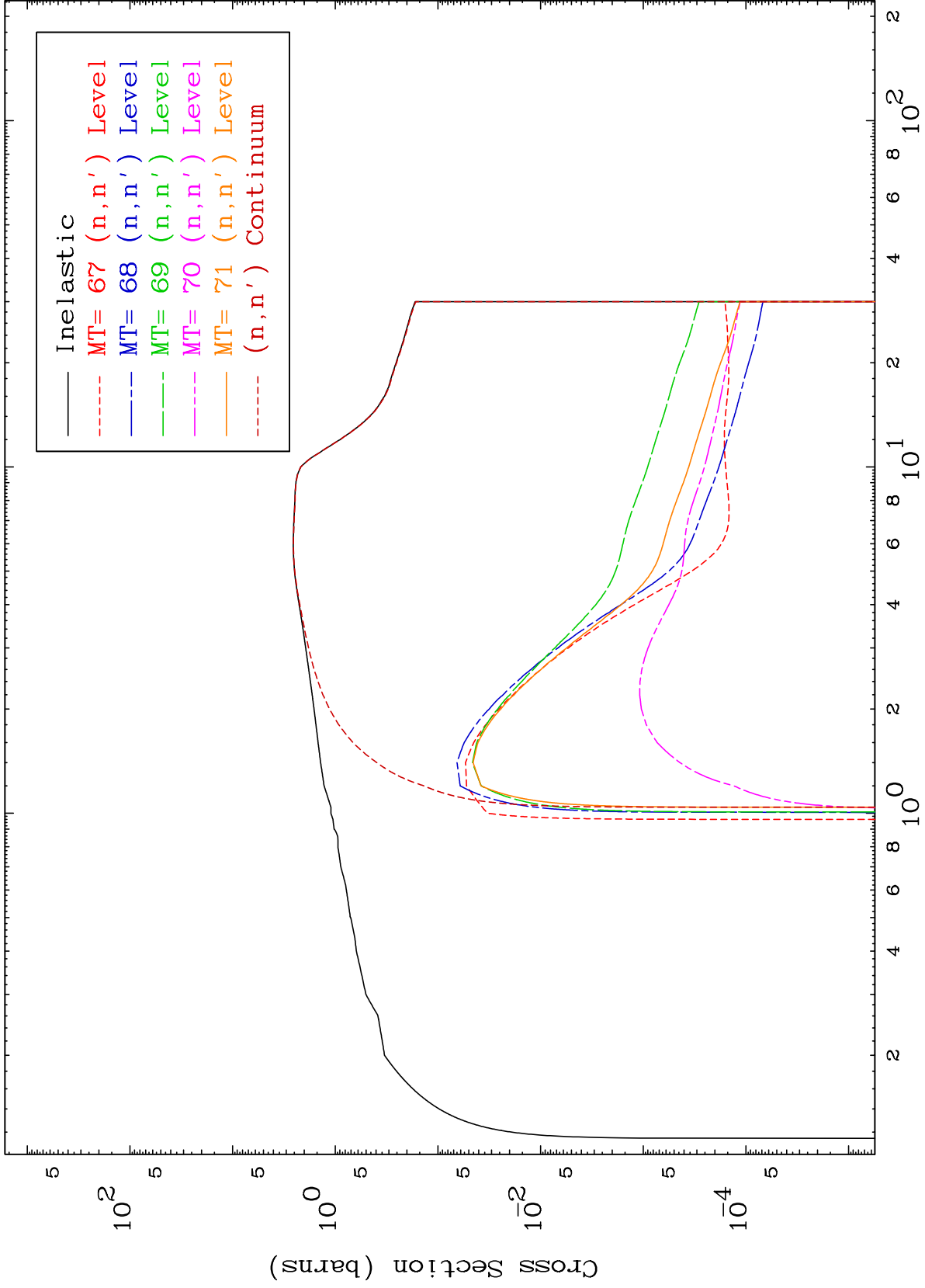




MAT 7519

(n,n') Levels
293 Kelvin Cross Sections

75-Re-183



10

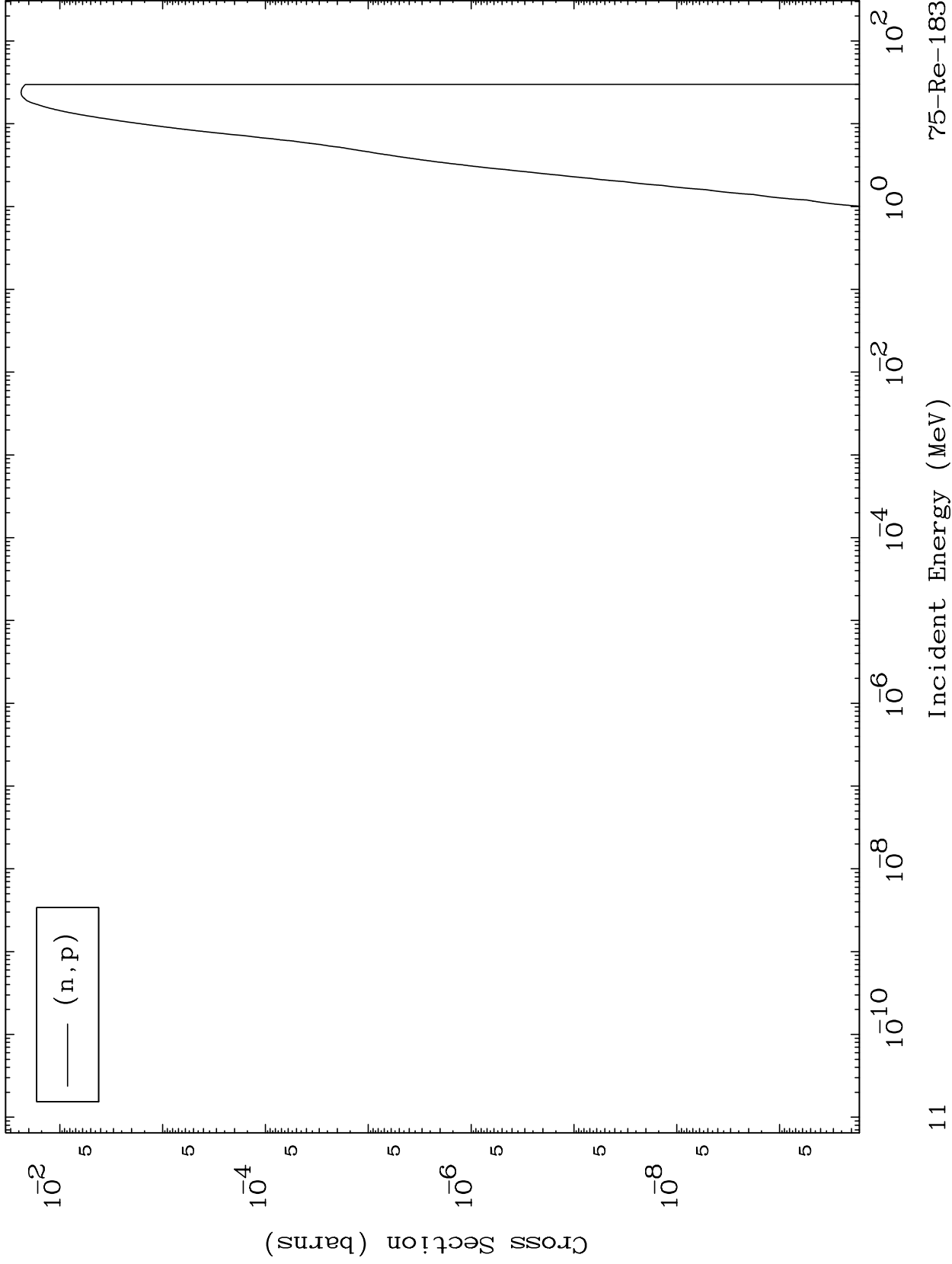
Incident Energy (MeV)

75-Re-183

MAT 7519

(n,p) Levels
293 Kelvin Cross Sections

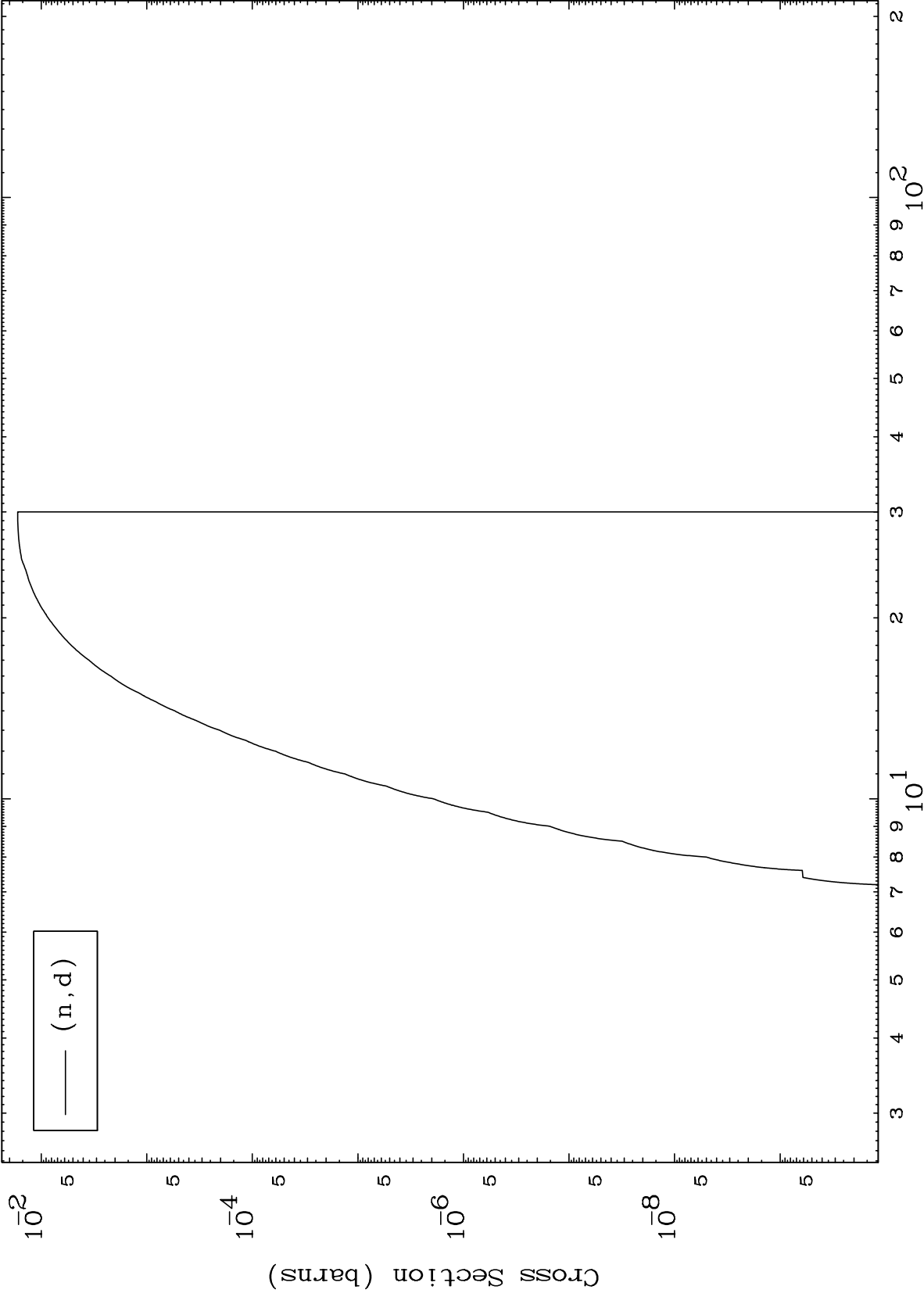
75-Re-183



MAT 7519

(n,d) Levels
293 Kelvin Cross Sections

75-Re-183



12

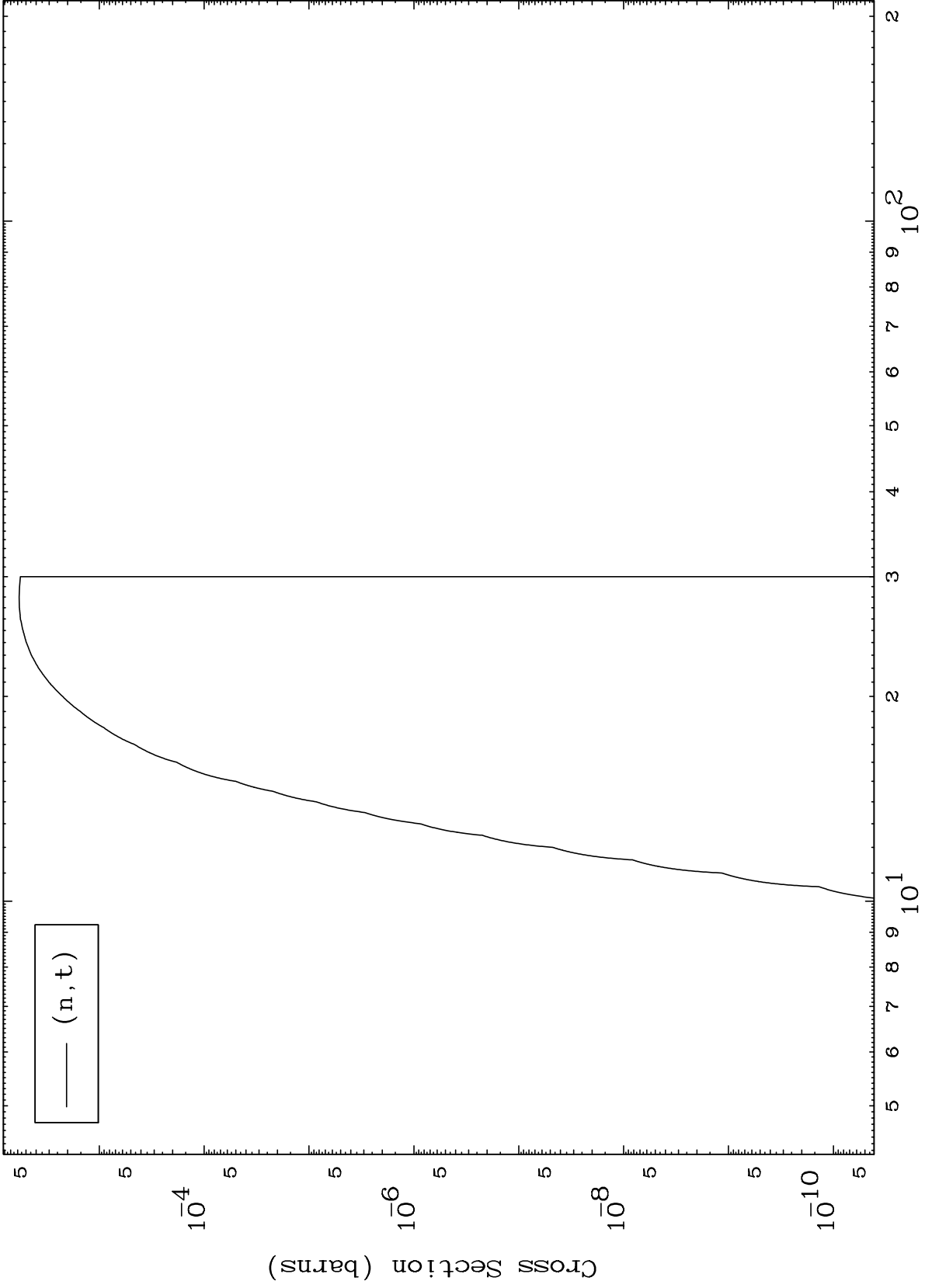
Incident Energy (MeV)

75-Re-183

MAT 7519

(n,t) Levels
293 Kelvin Cross Sections

75-Re-183



13

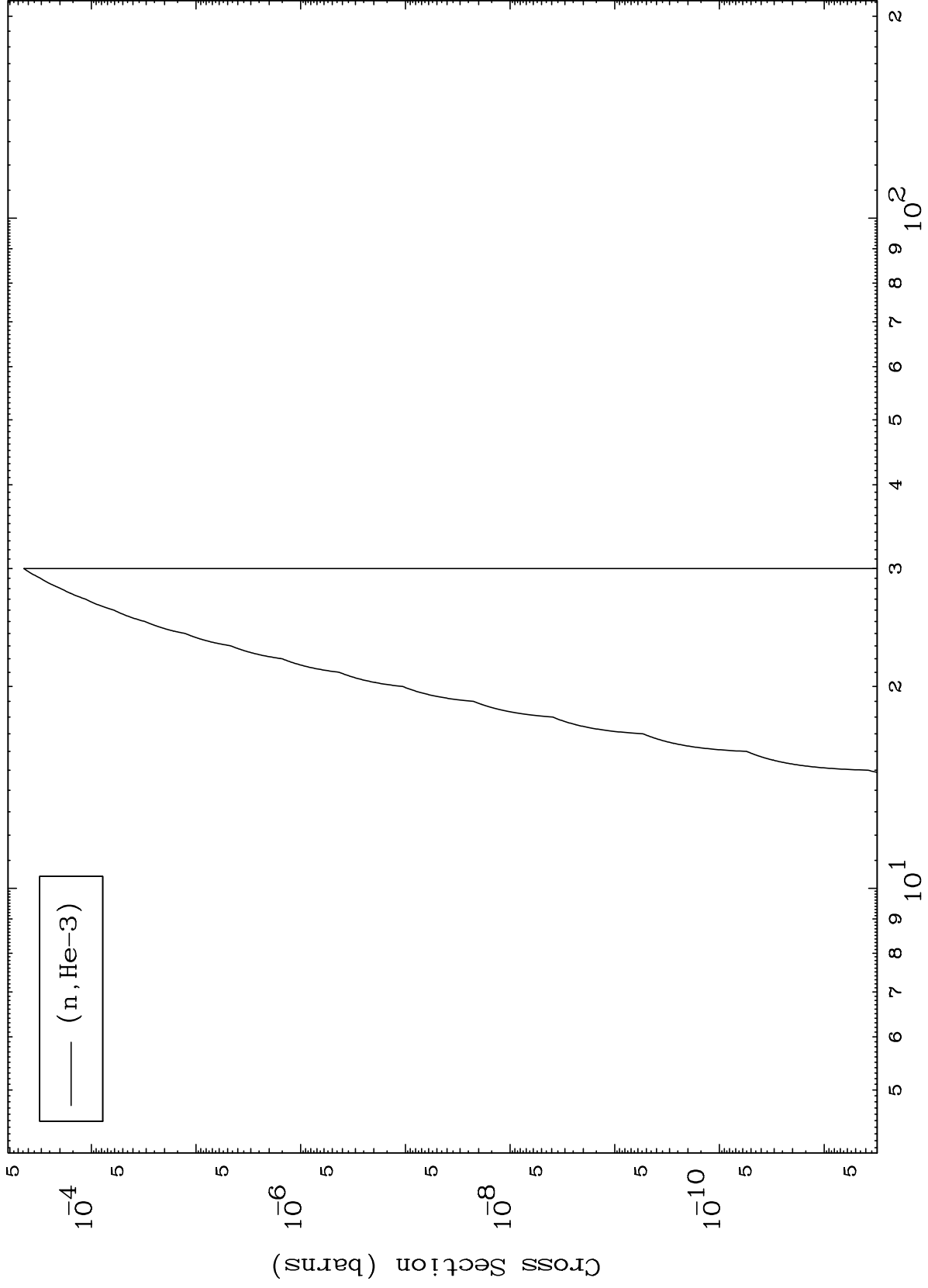
Incident Energy (MeV)

75-Re-183

MAT 7519

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-183



14

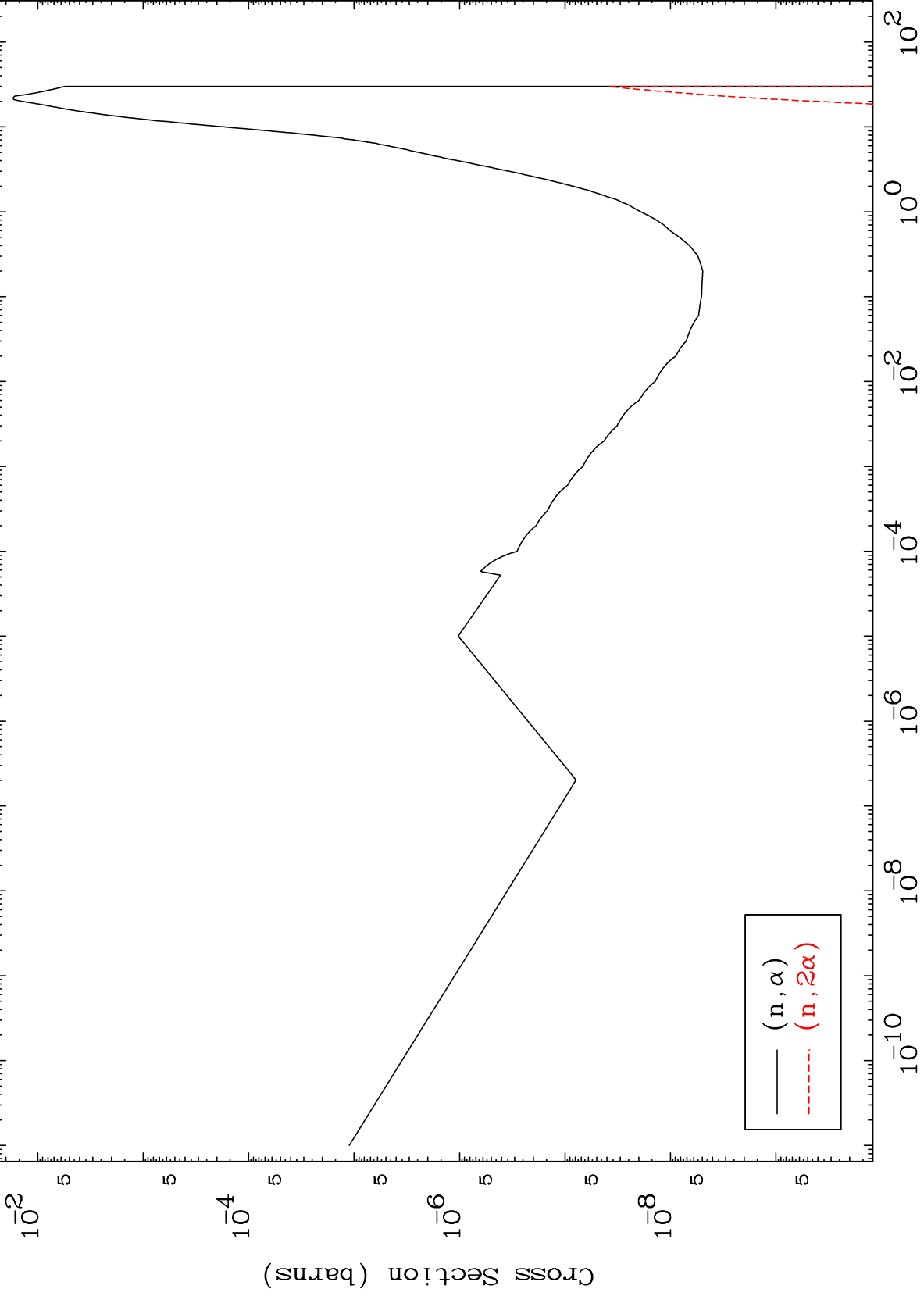
Incident Energy (MeV)

75-Re-183

MAT 7519

(n,α) Levels
293 Kelvin Cross Sections

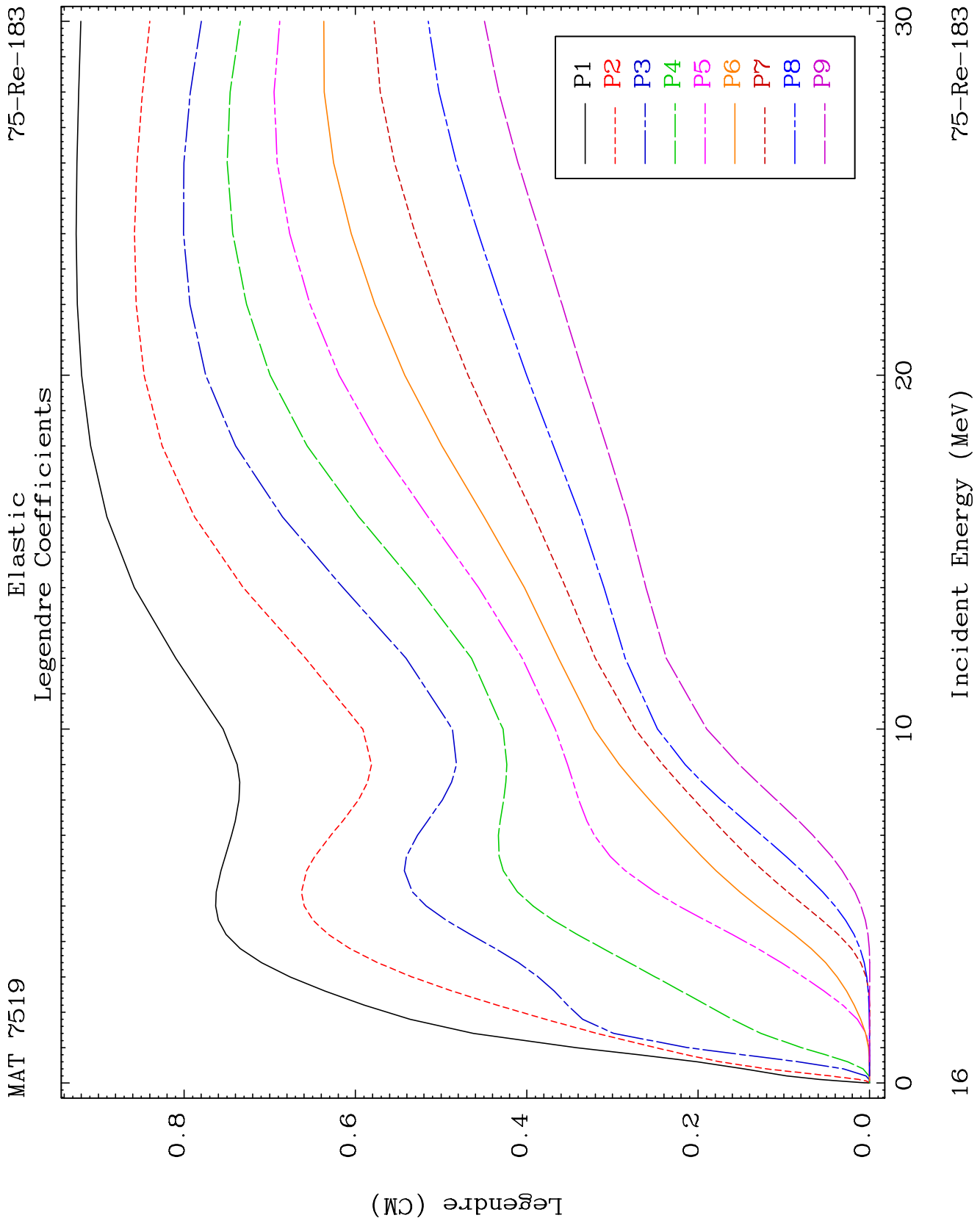
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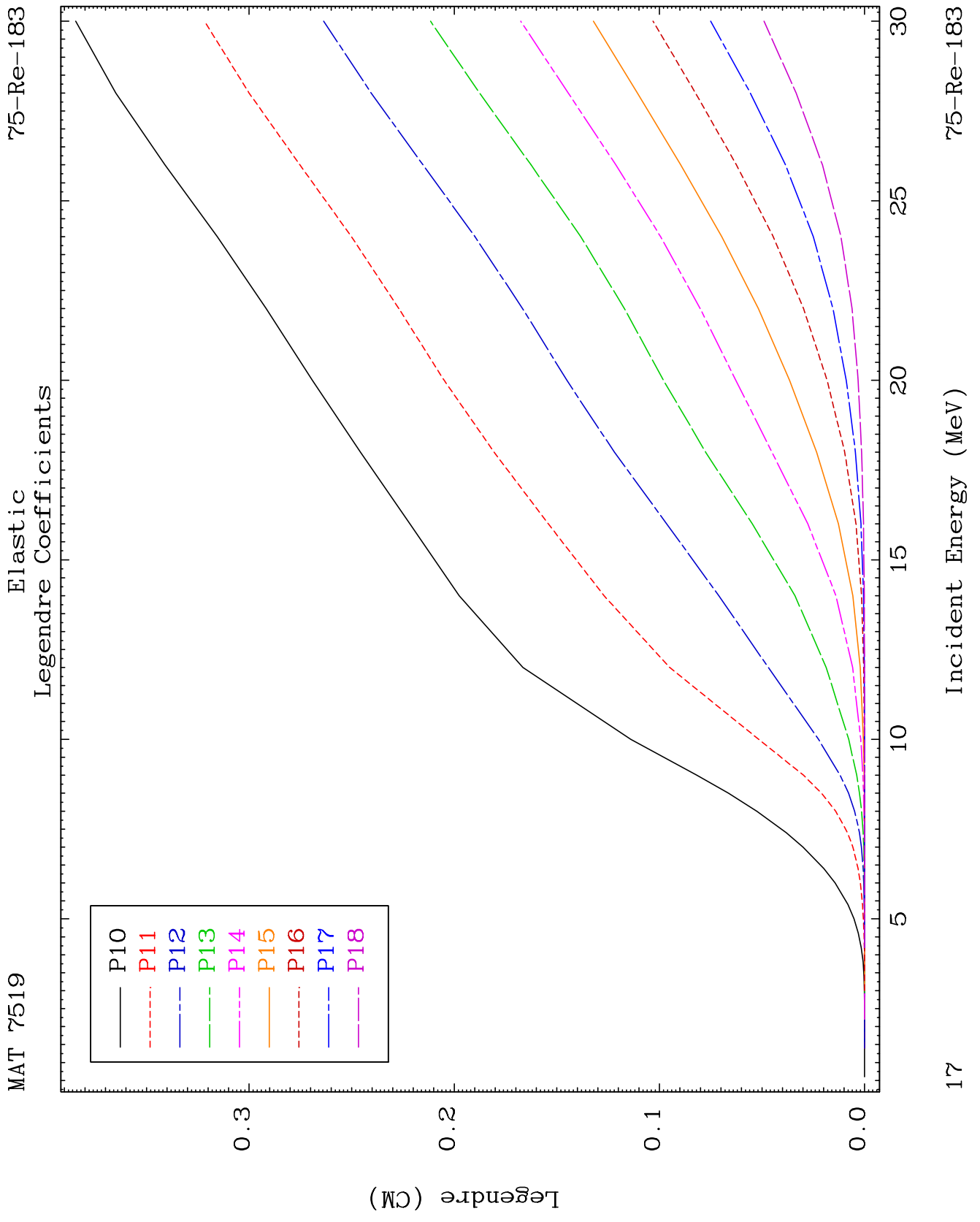


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Incident Energy (MeV)

75-Re-183

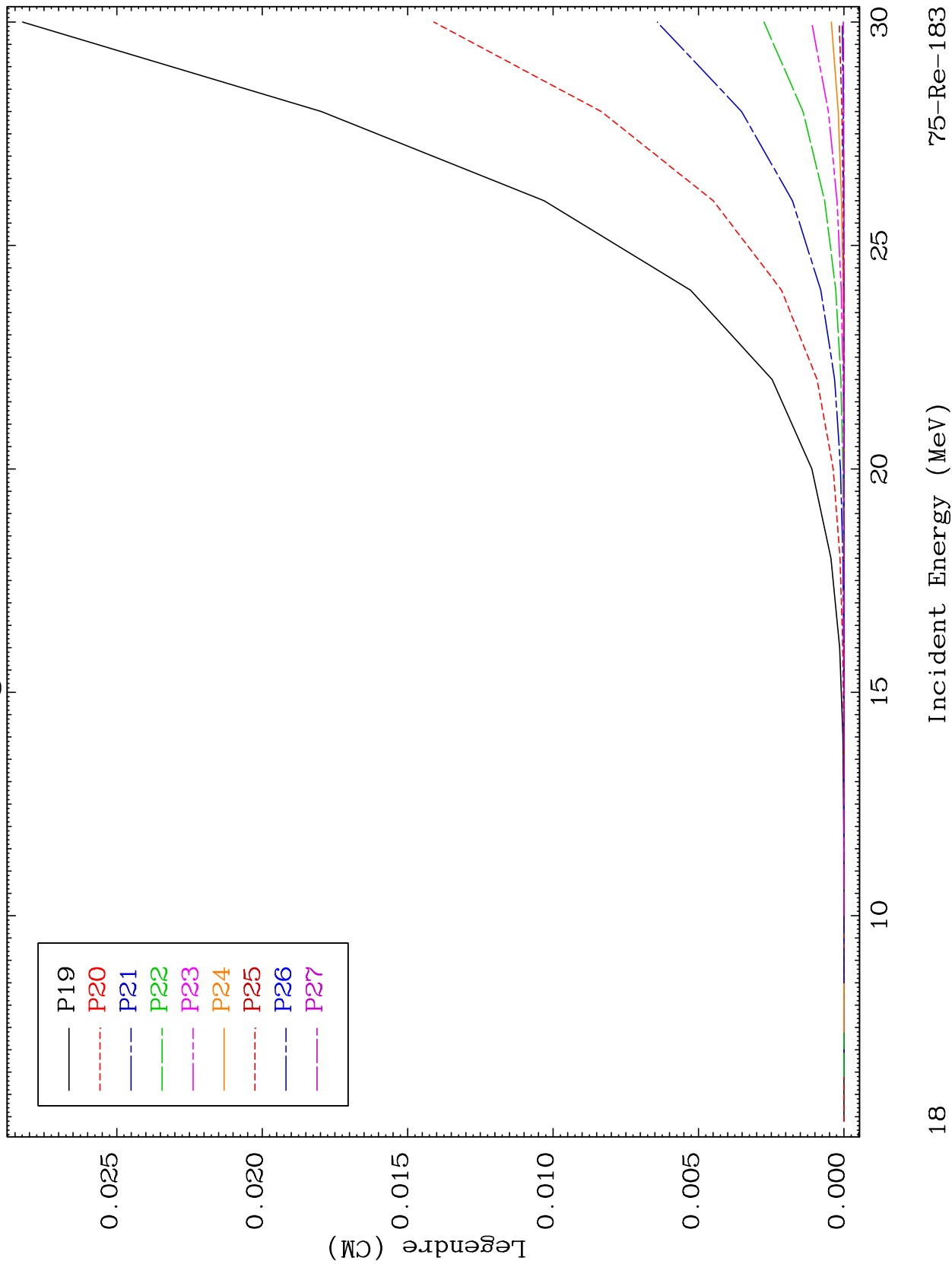




MAT 7519

Elastic Legendre Coefficients

75-Re-183



18

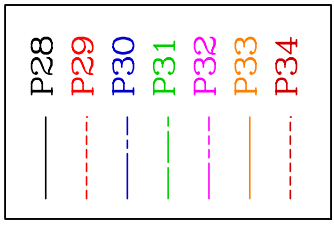
Incident Energy (MeV)

75-Re-183

MAT 7519

Elastic Legendre Coefficients

75-Re-183



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

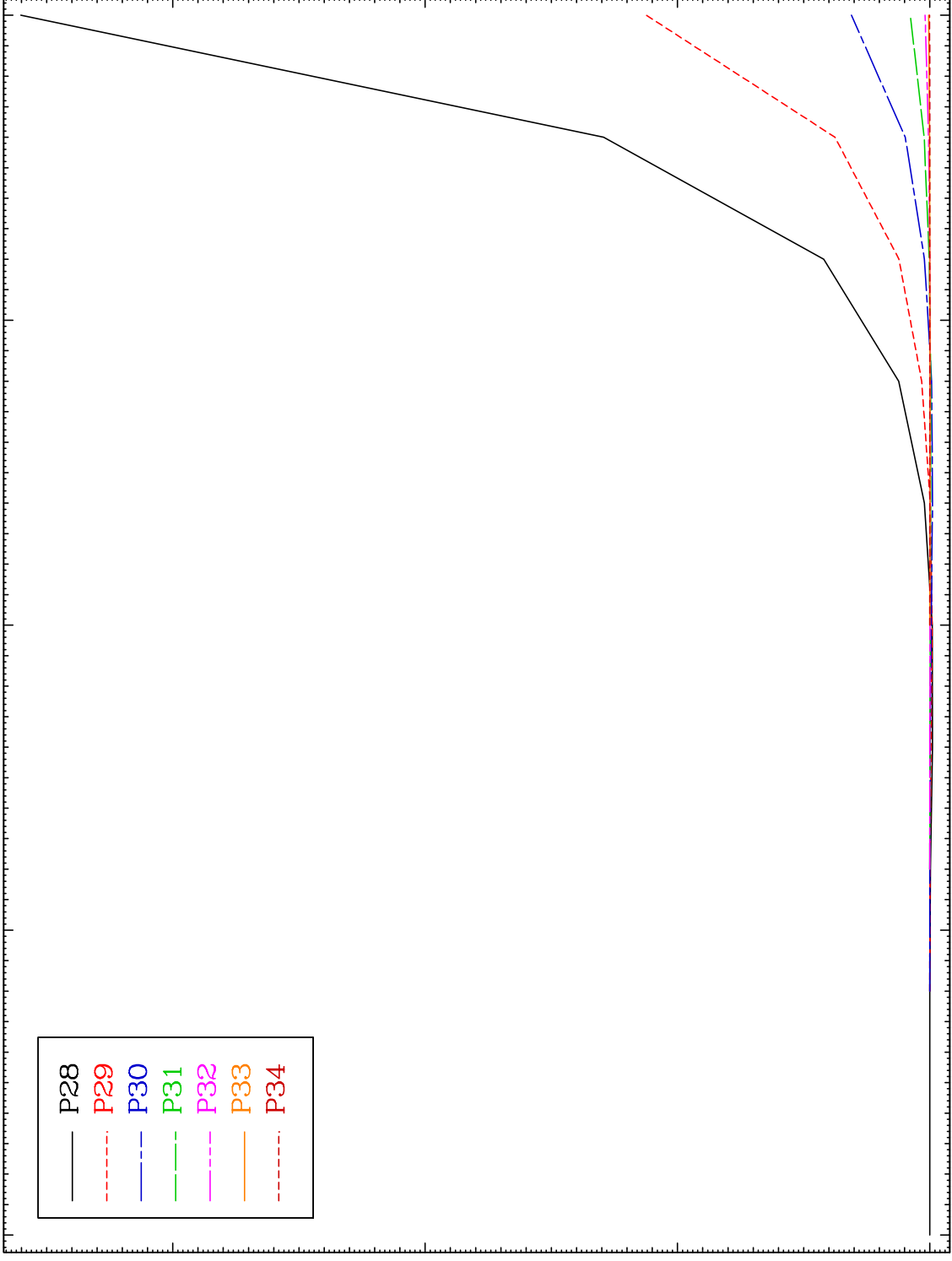
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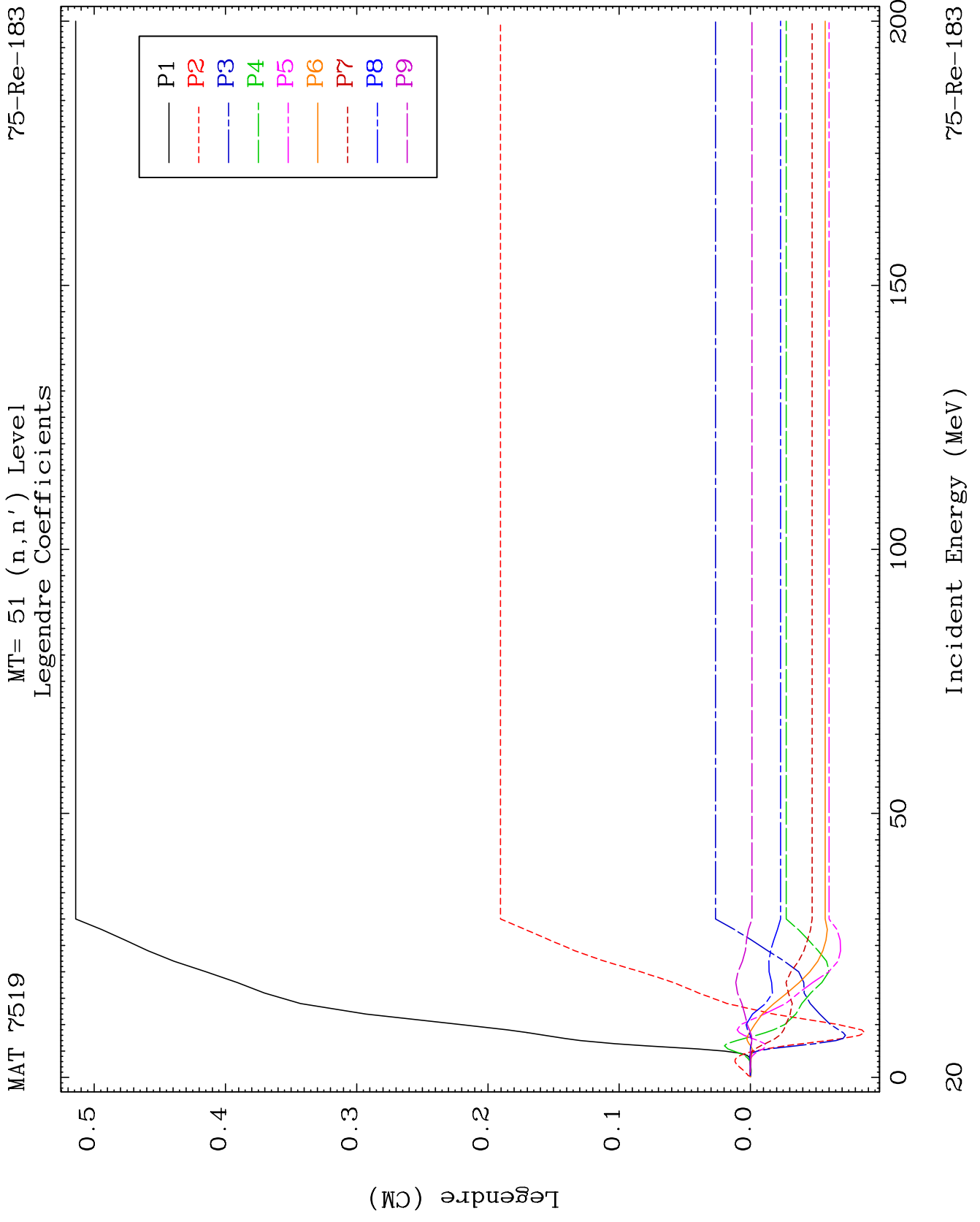
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Incident Energy (MeV)

75-Re-183

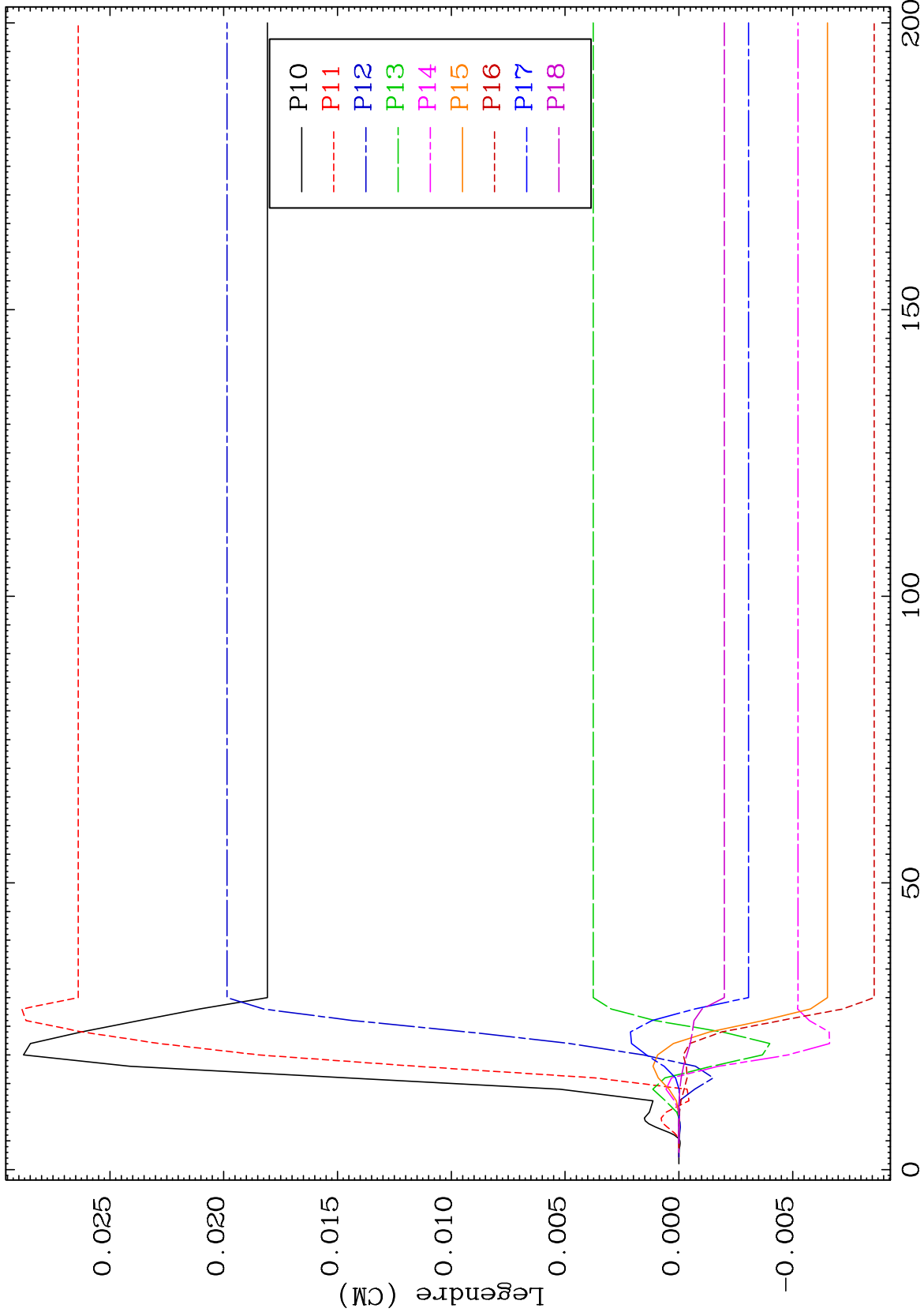


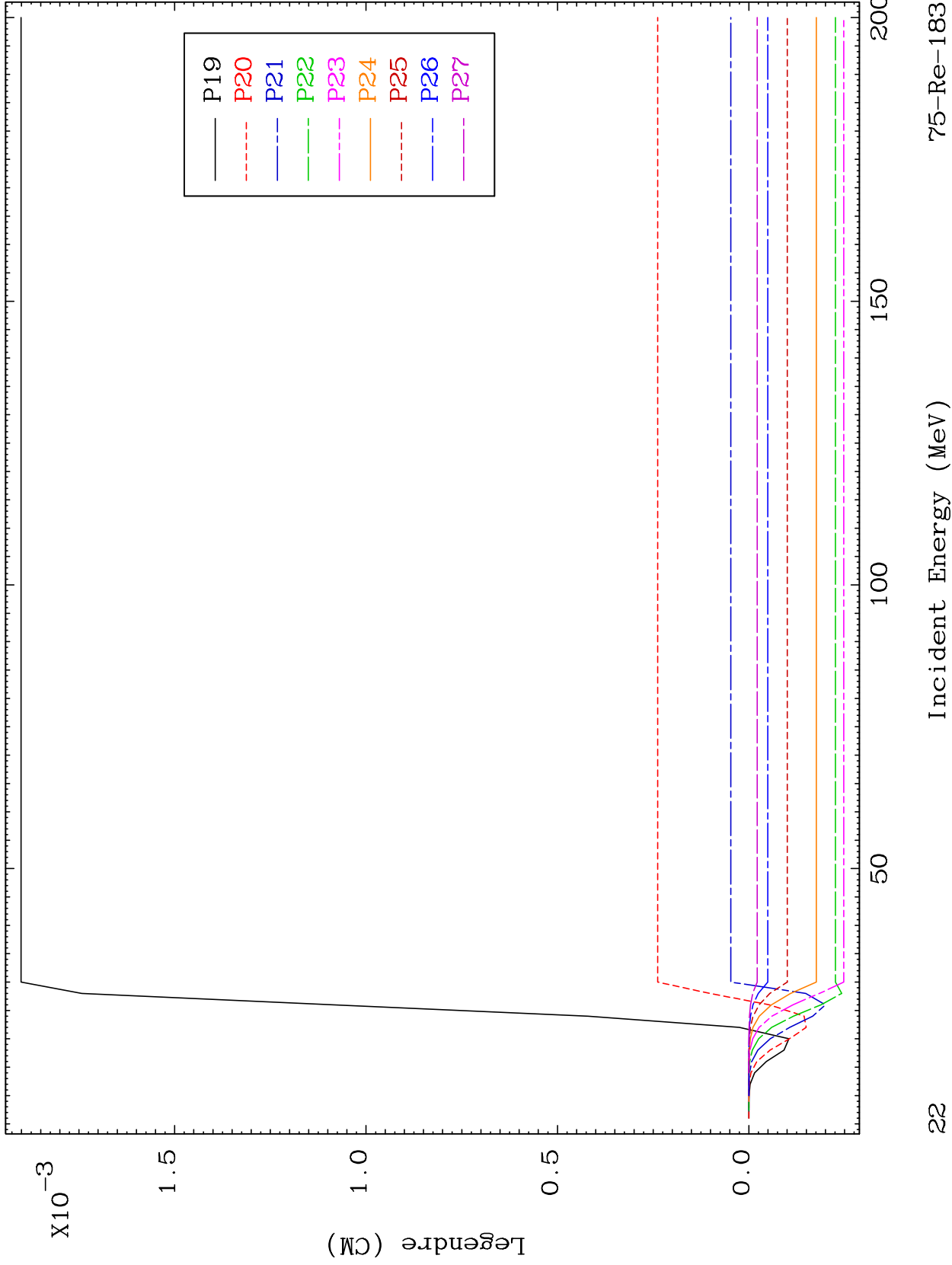


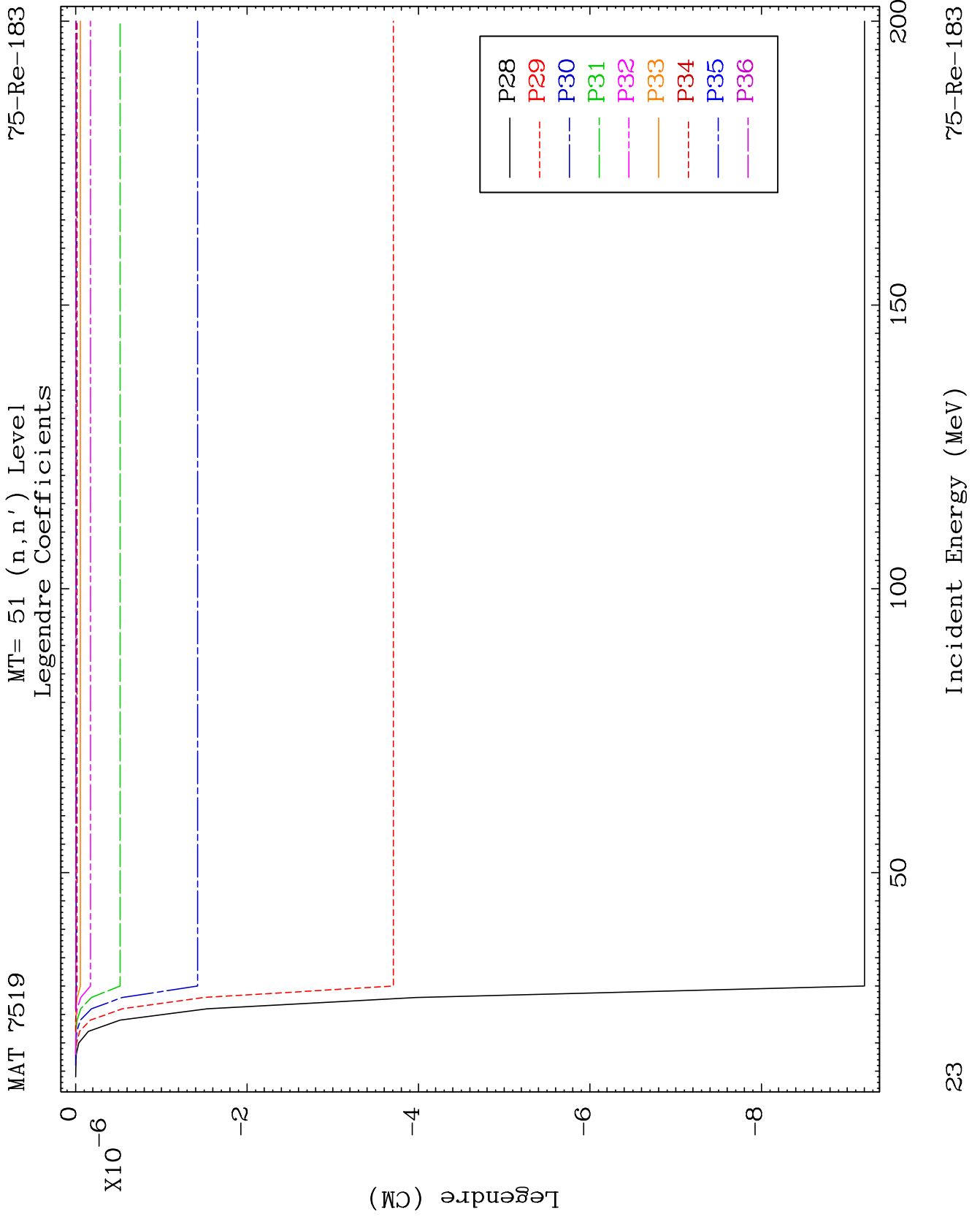
MAT 7519

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

75-Re-183



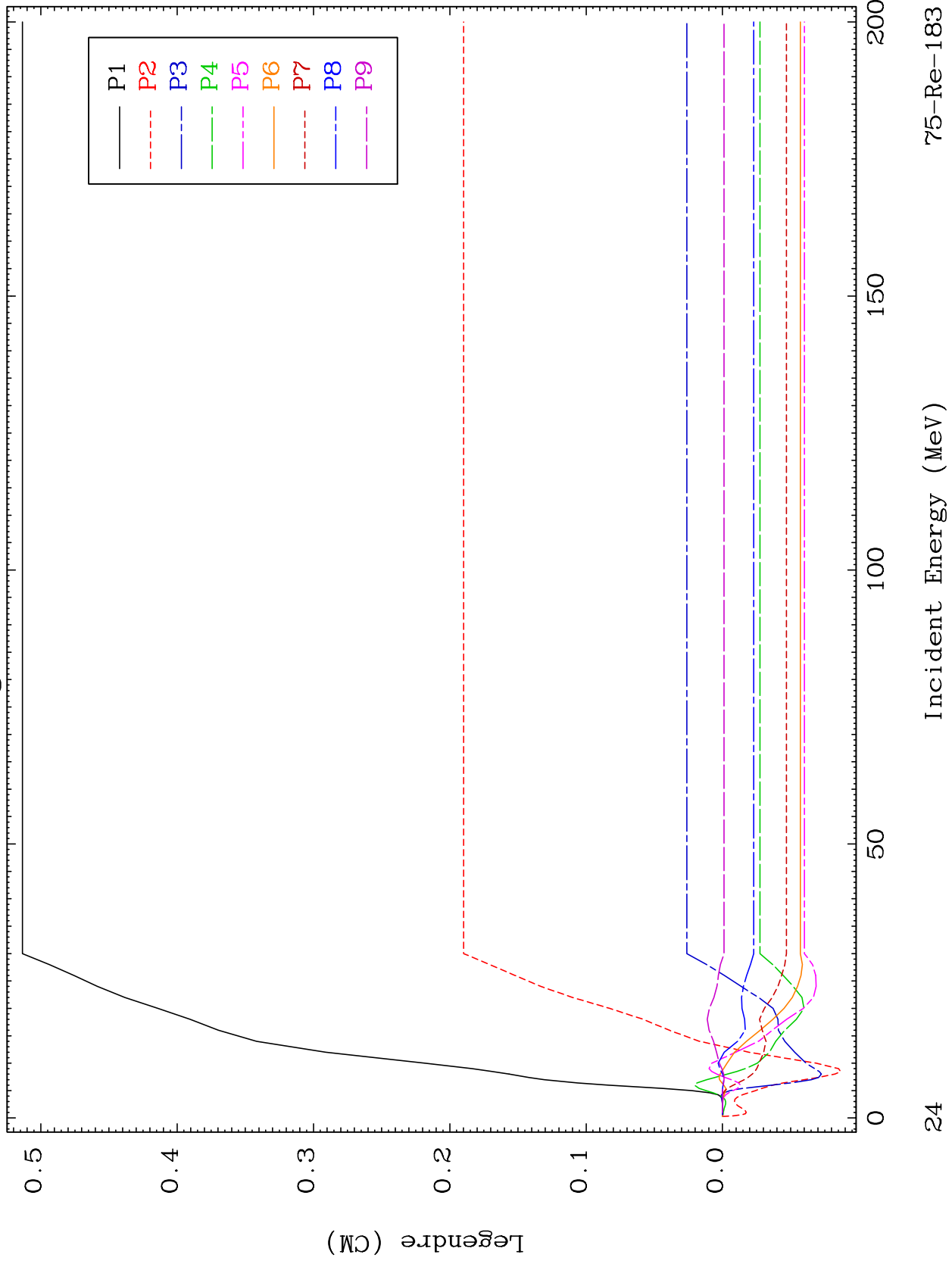




MAT 7519

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

75-Re-183



24

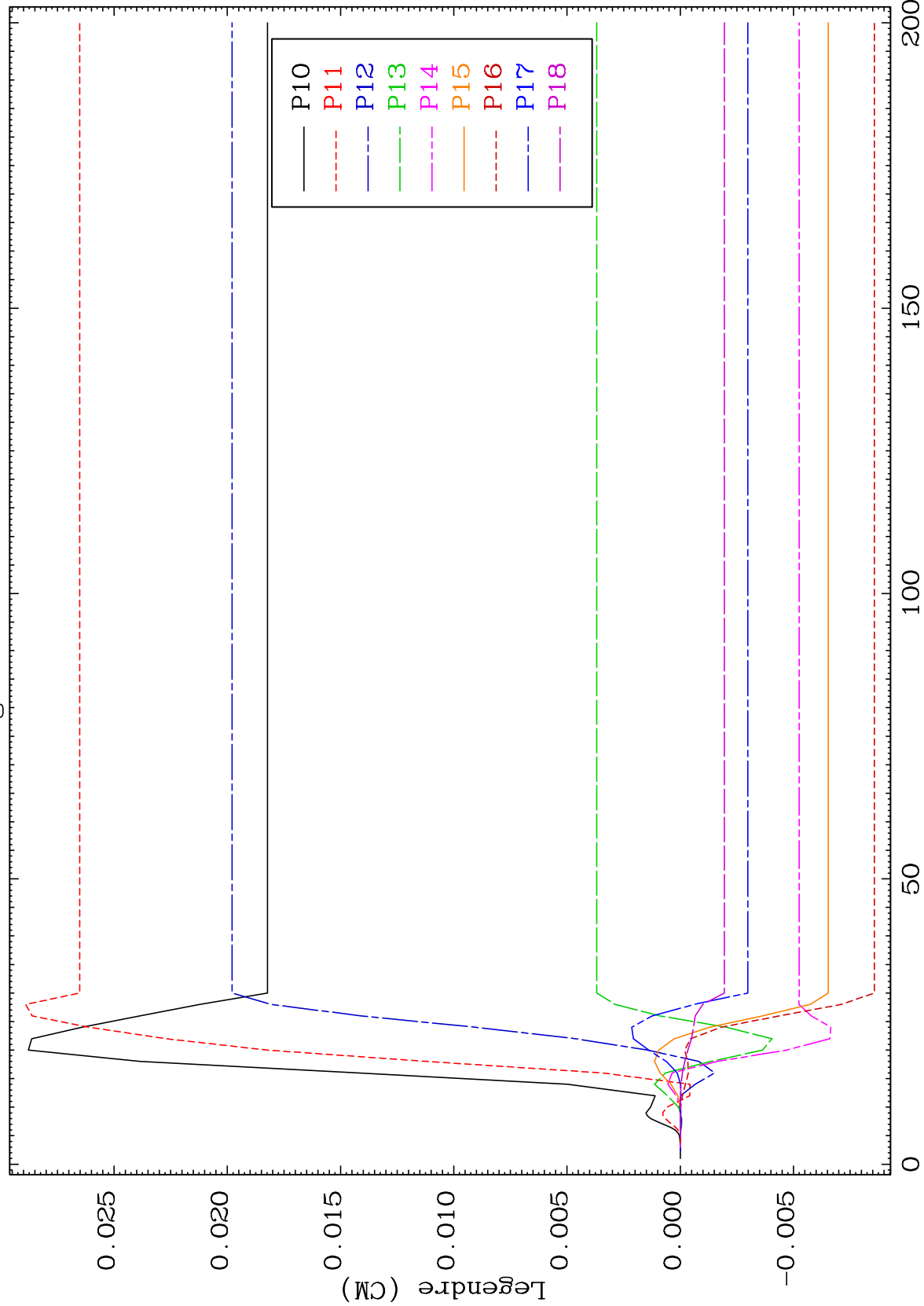
Incident Energy (MeV)

75-Re-183

MAT 7519

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

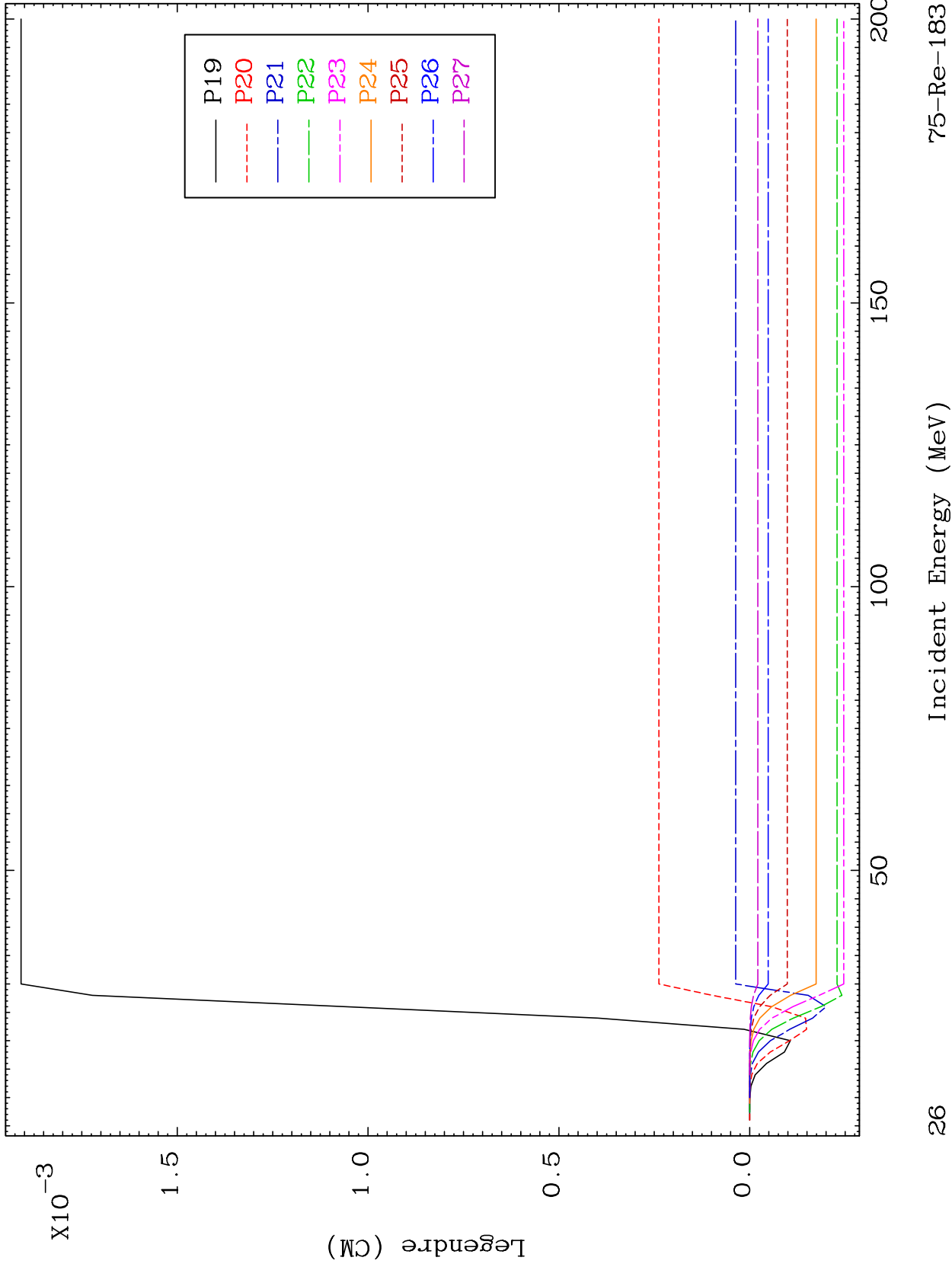
75-Re-183

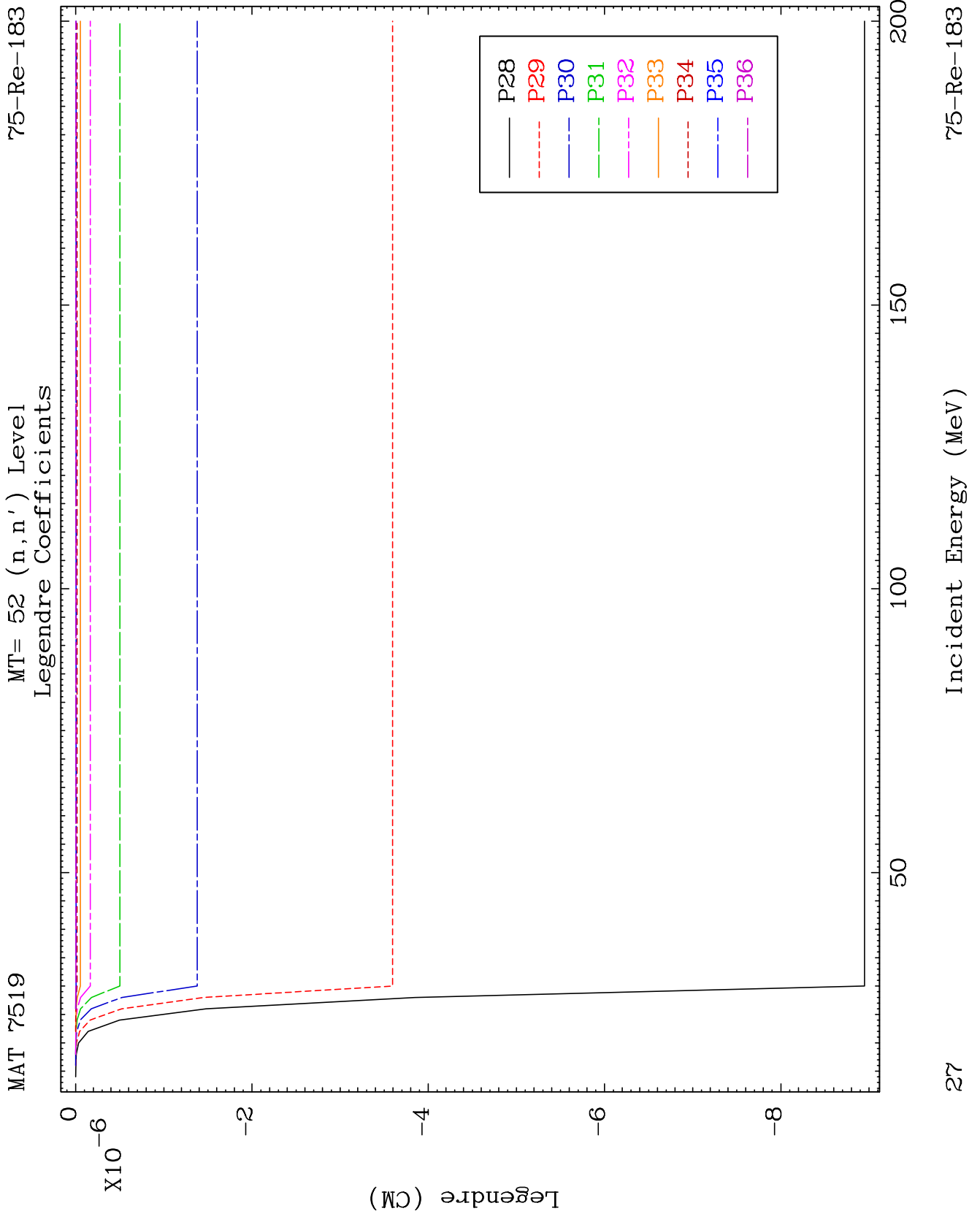


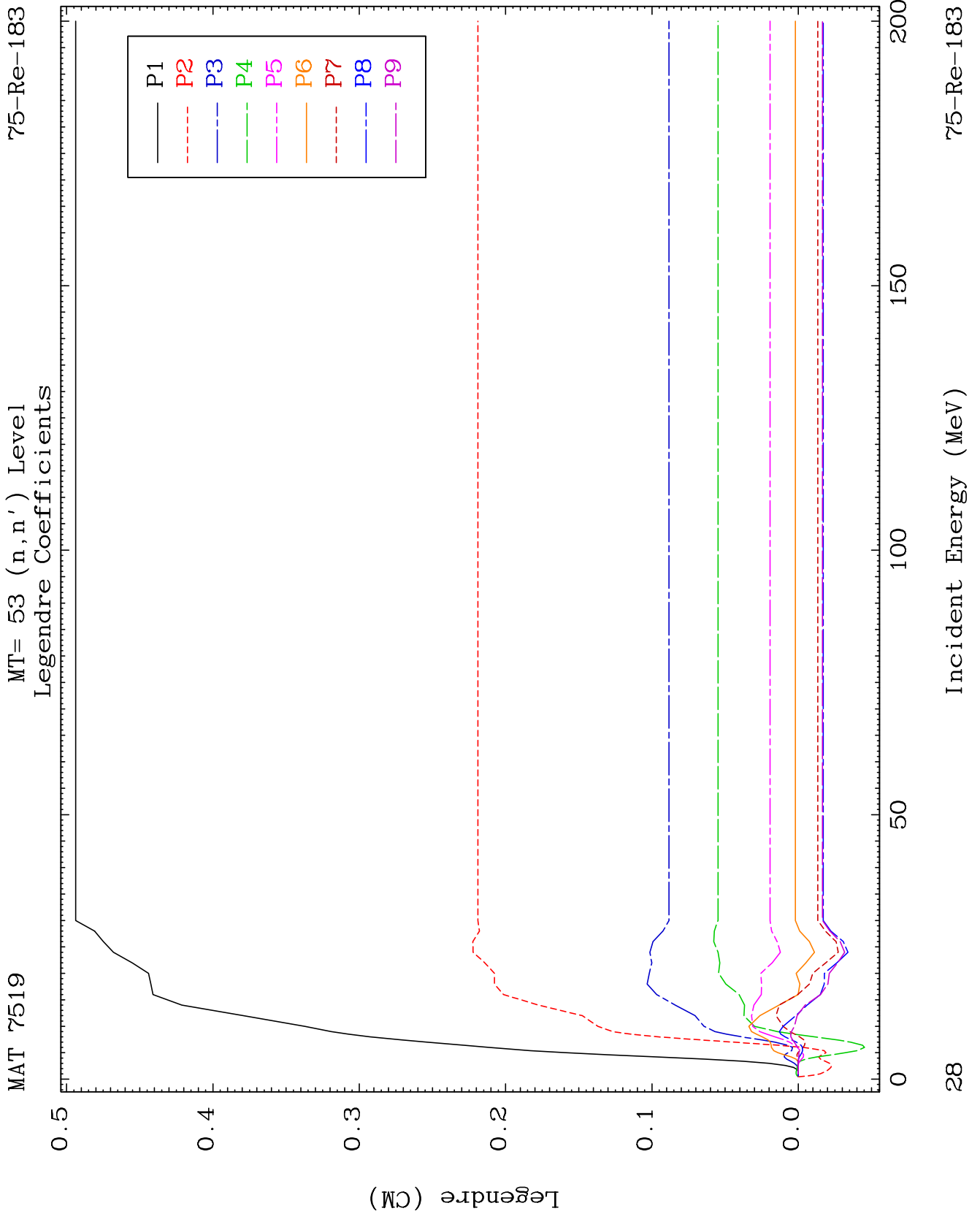
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Incident Energy (MeV)

75-Re-183



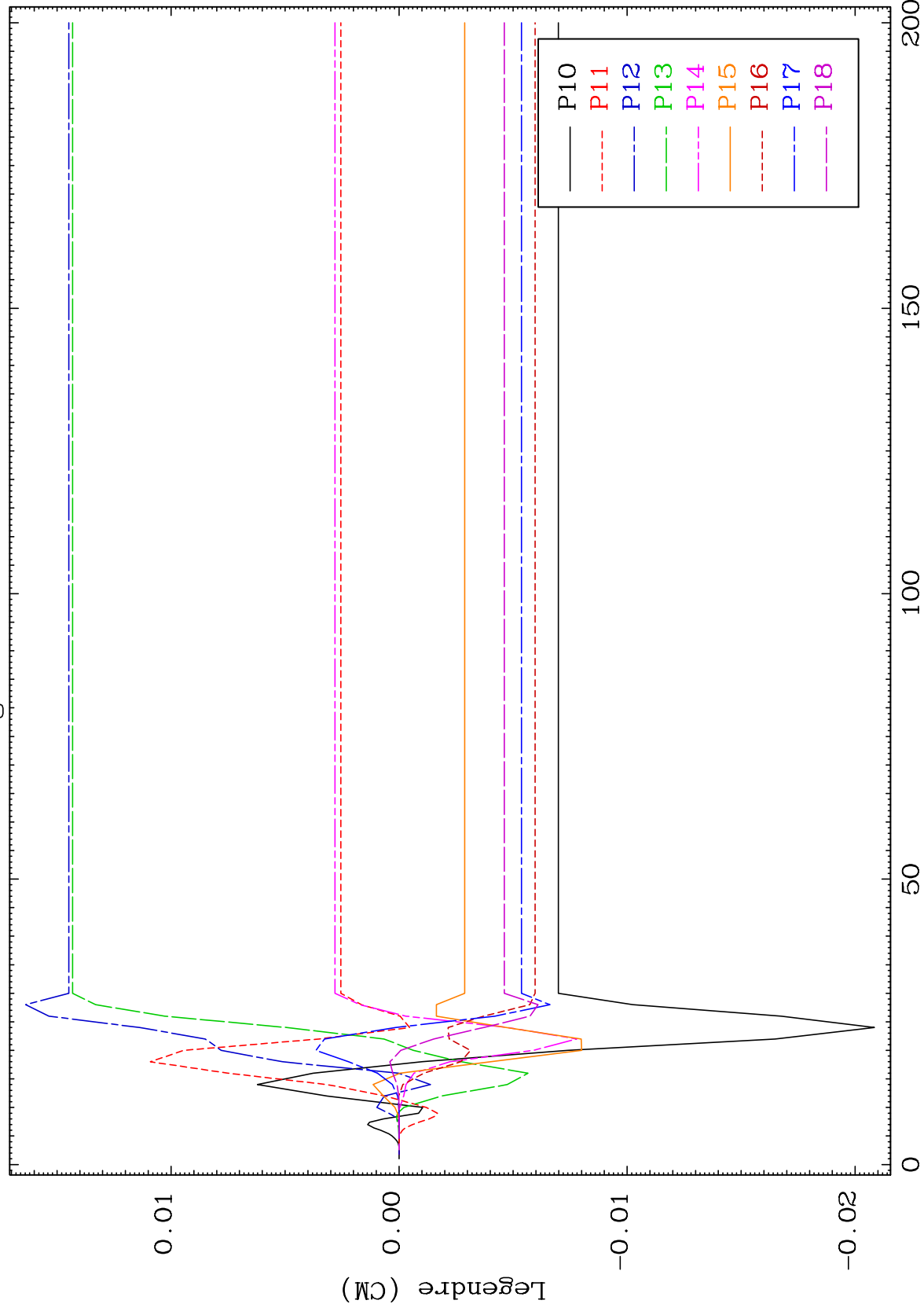




MAT 7519

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

75-Re-183



29

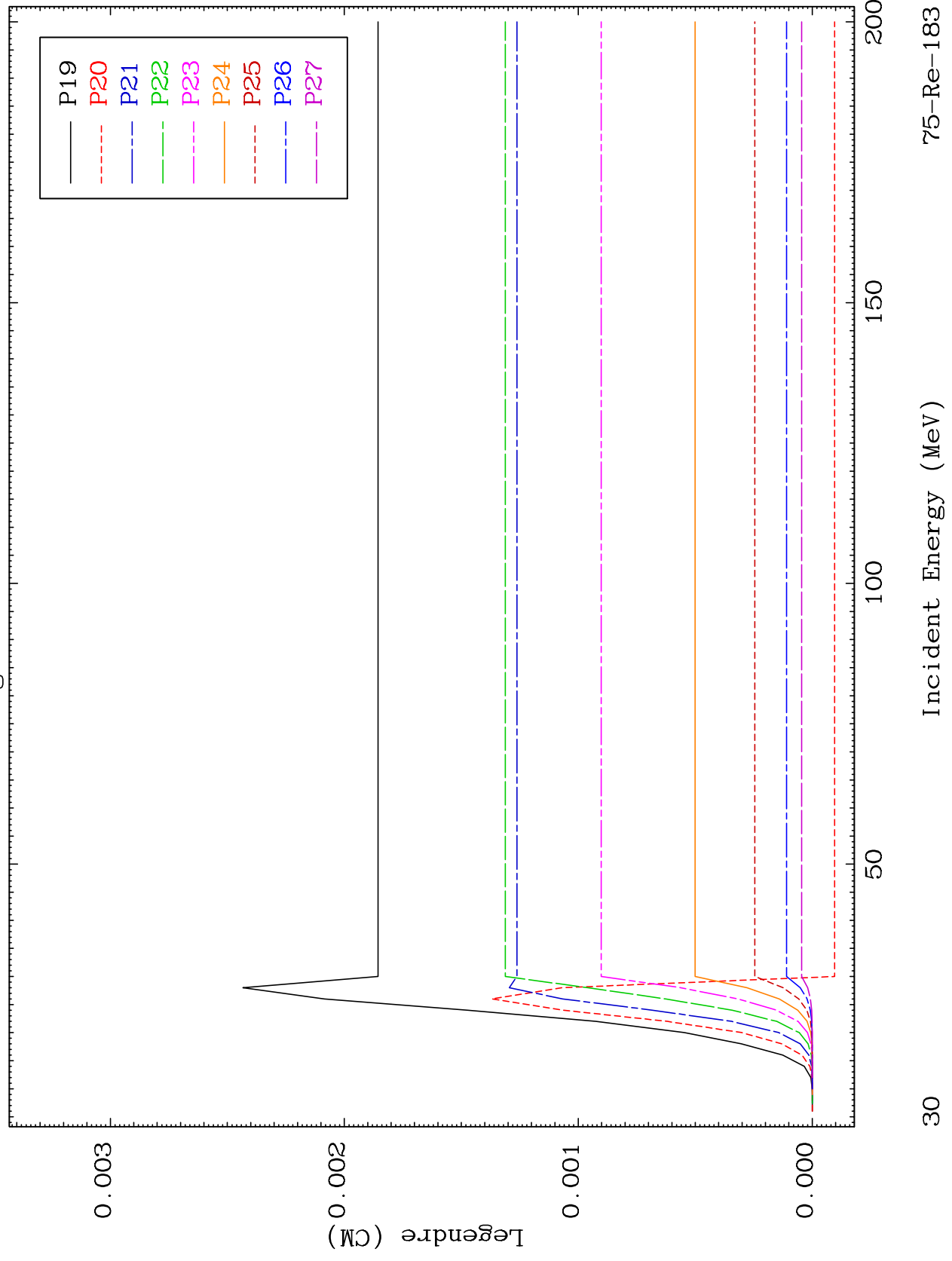
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



30

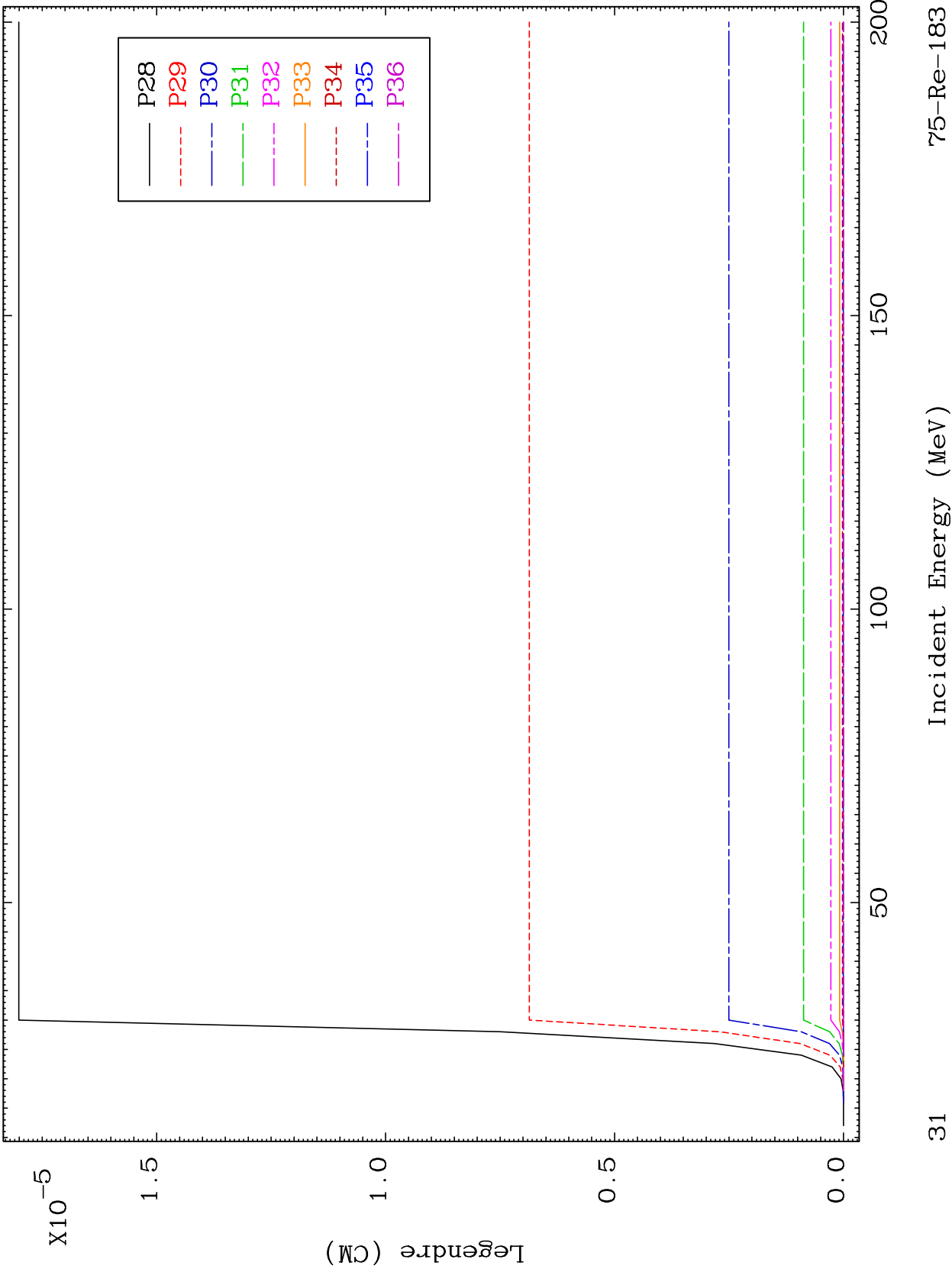
Incident Energy (MeV)

75-Re-183

MAT 7519

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

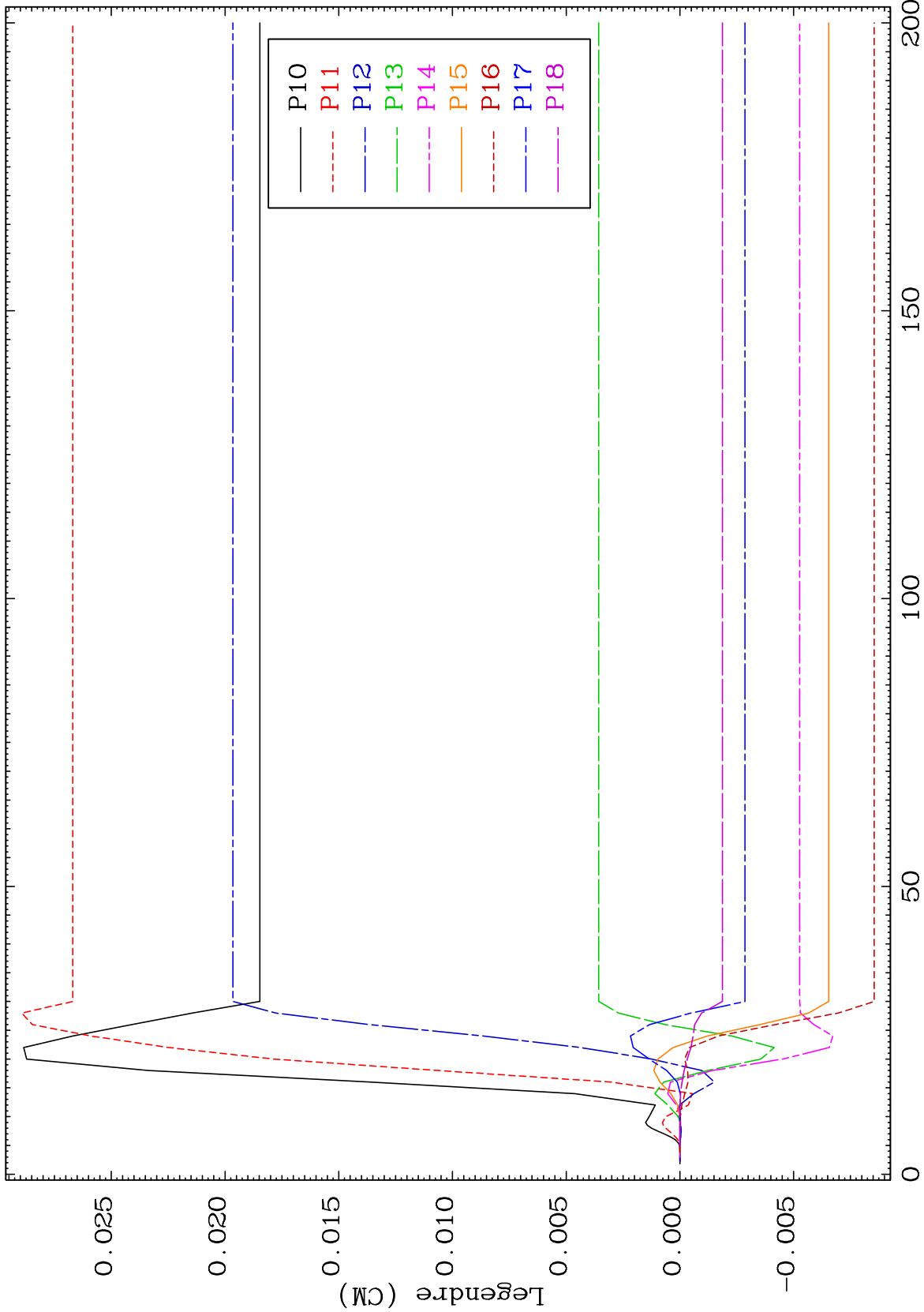
75-Re-183



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Incident Energy (MeV)

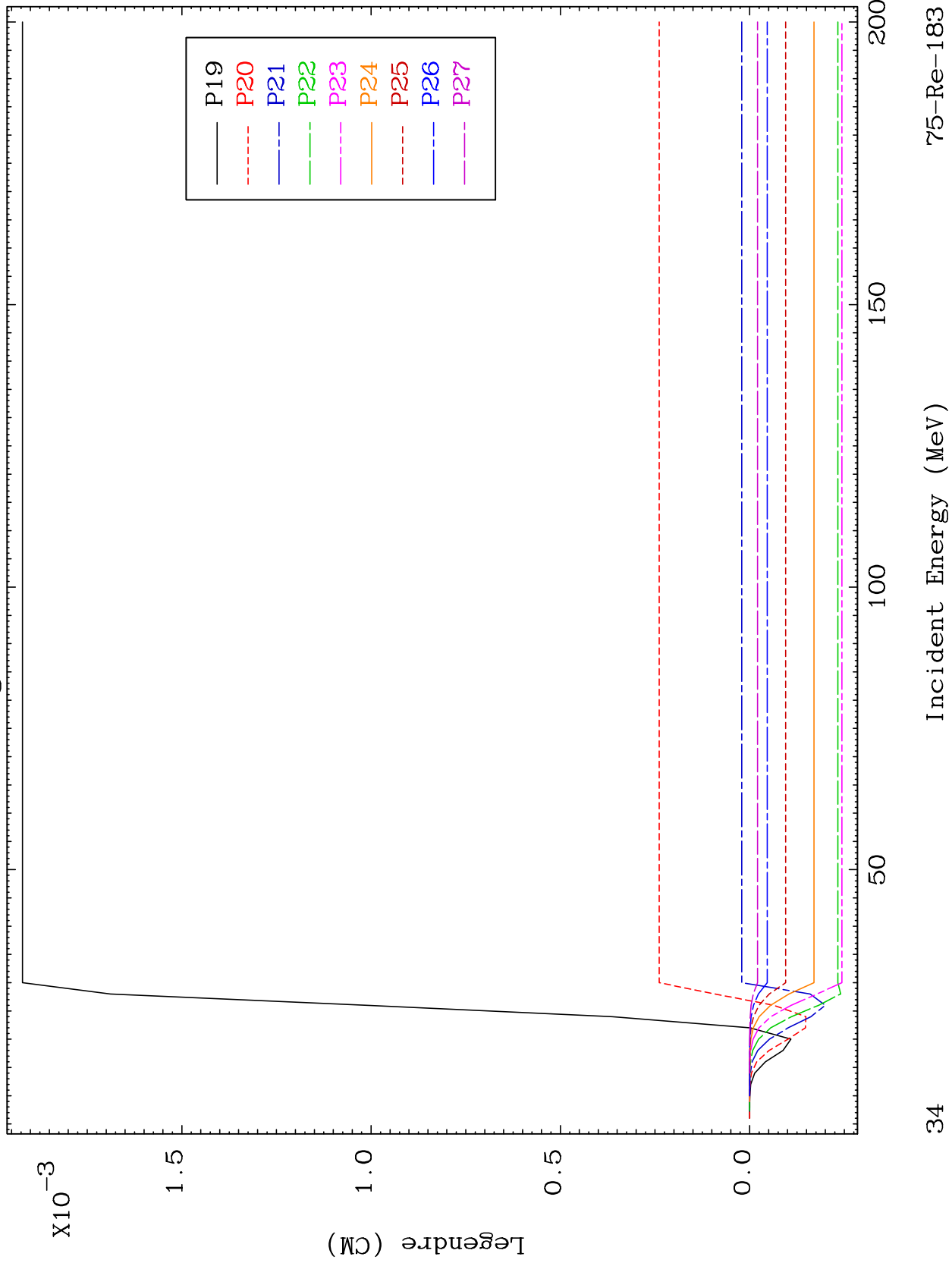
75-Re-183



MAT 7519

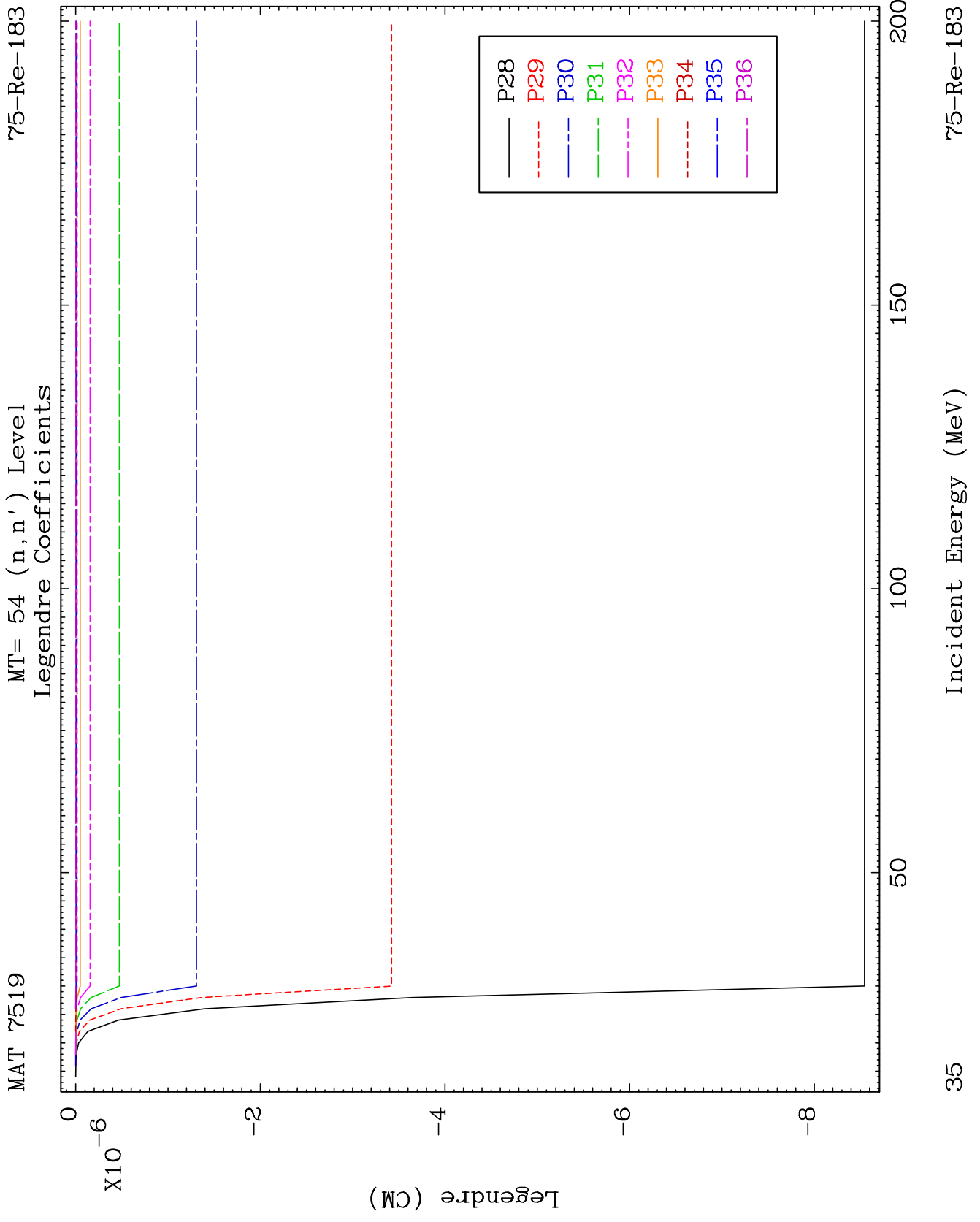
MT= 54 (n,n') Level
Legendre Coefficients

75-Re-183



34

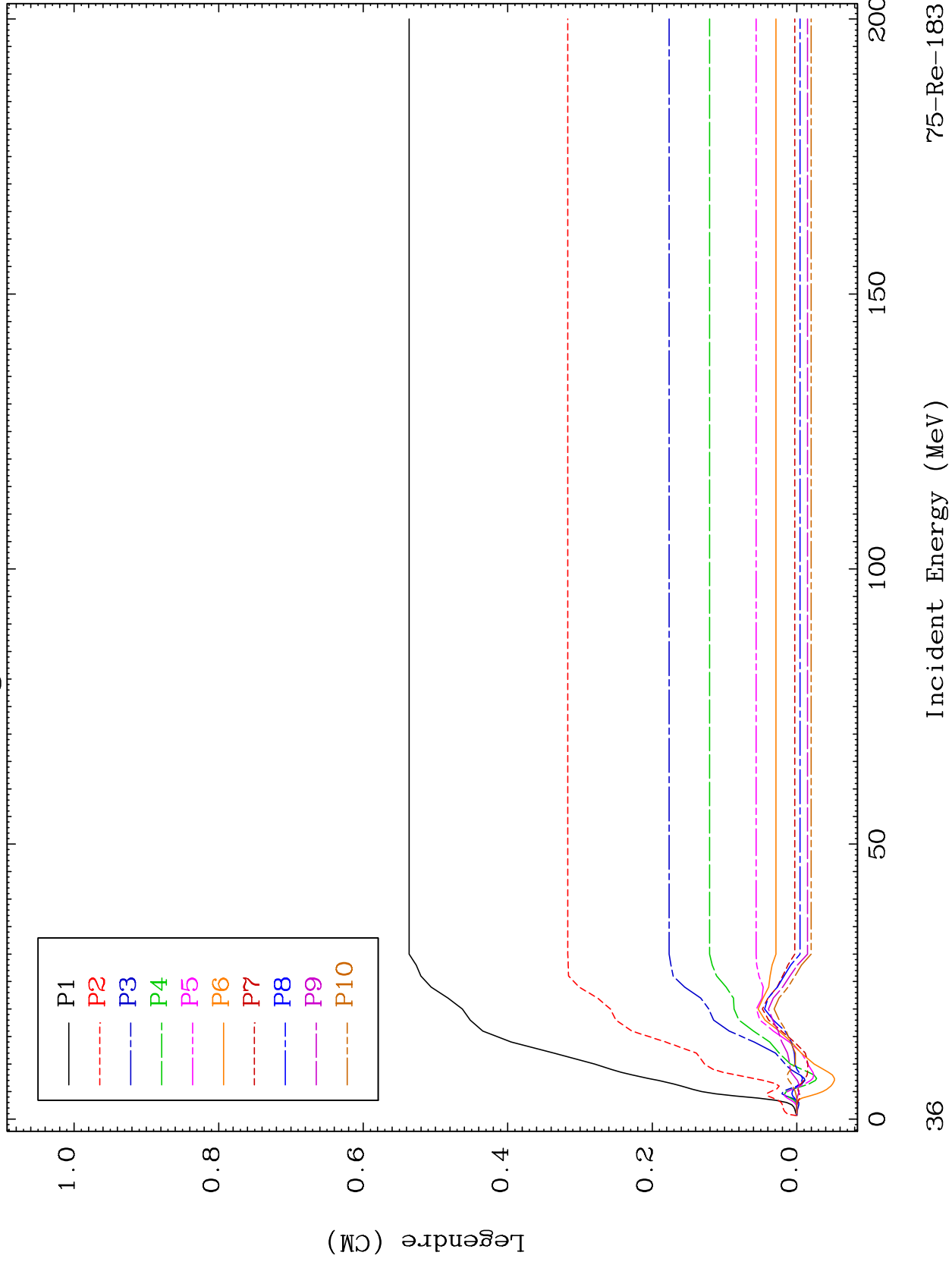
75-Re-183



MAT 7519

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

75-Re-183



36

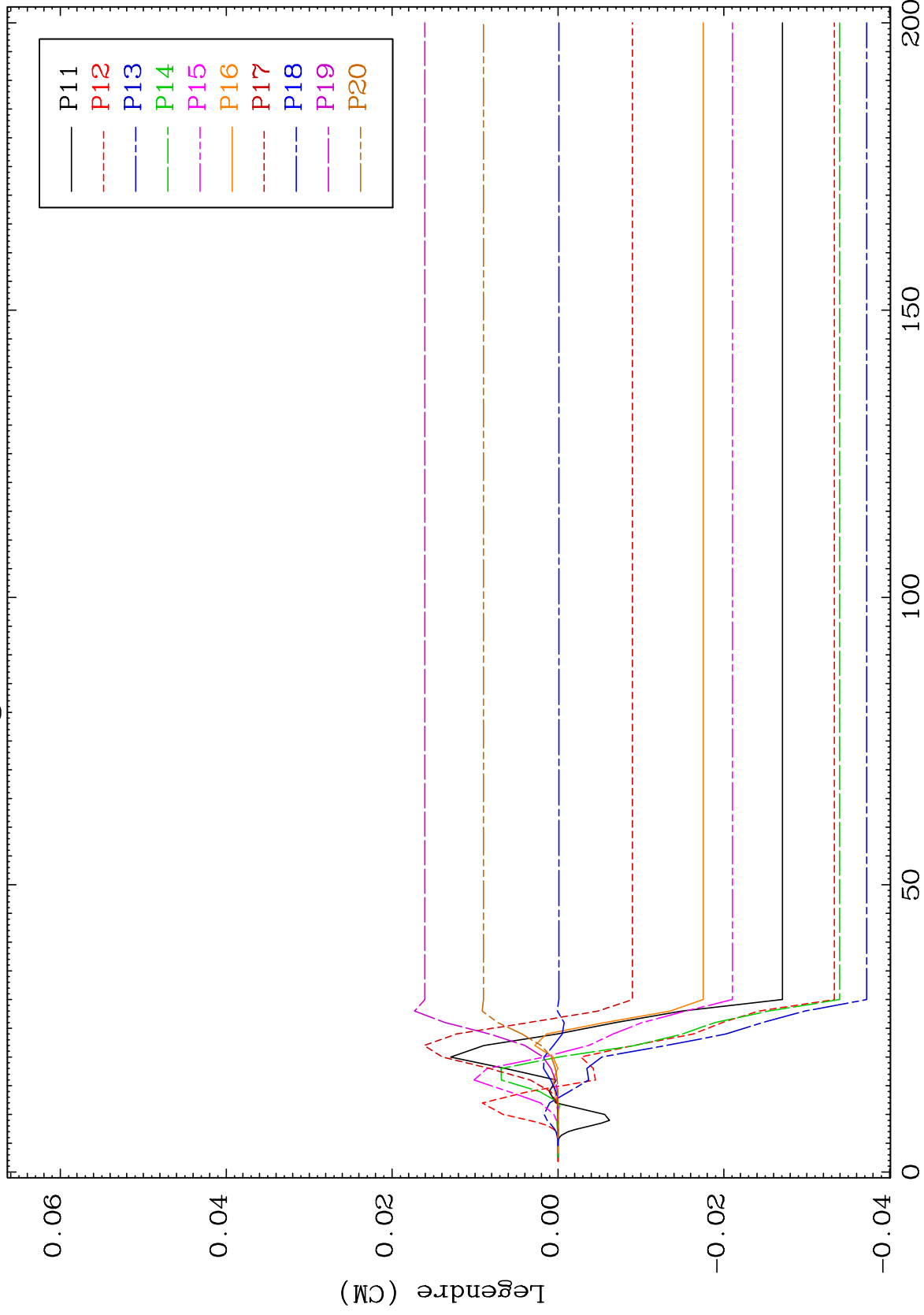
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



37

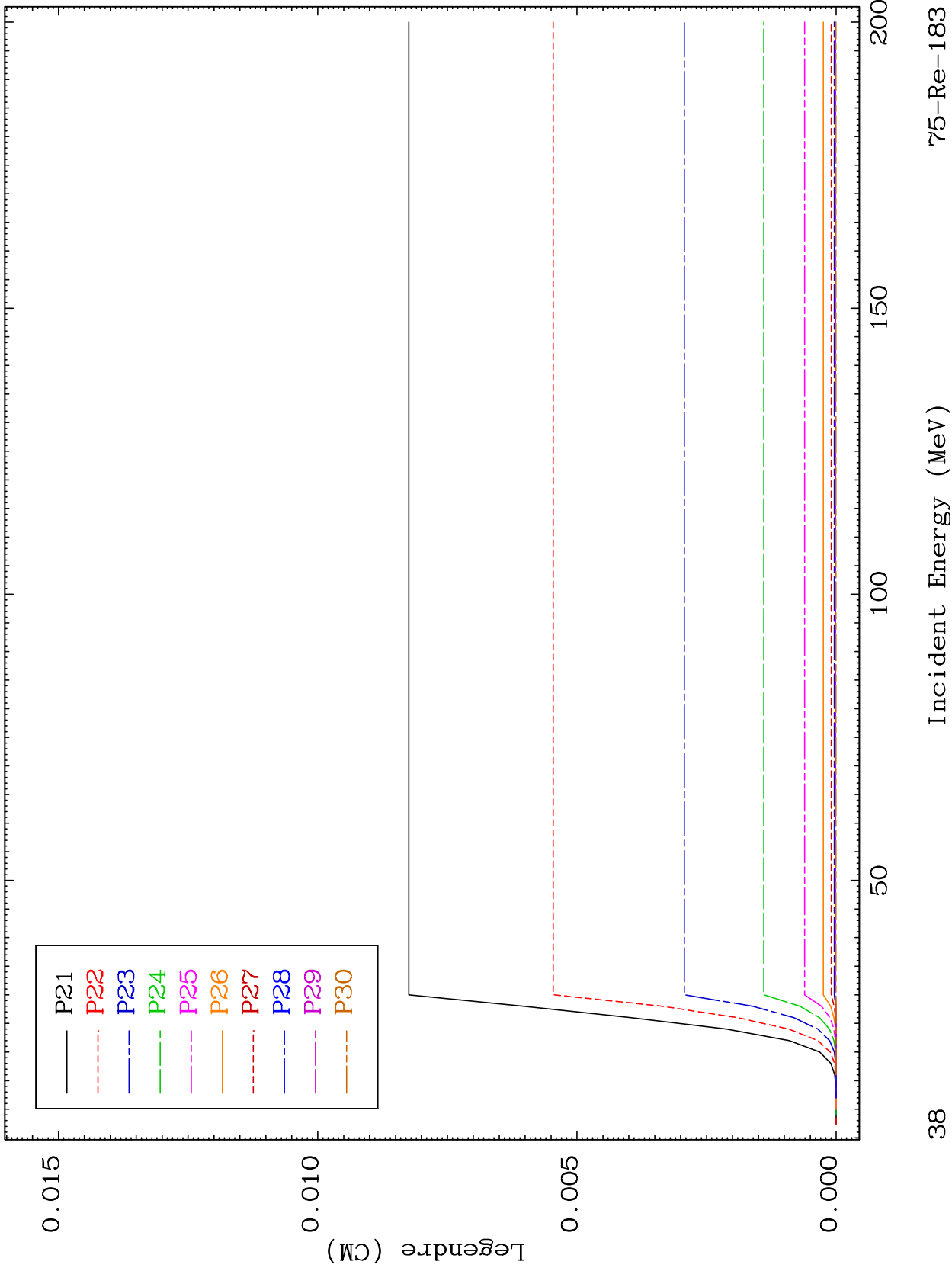
Incident Energy (MeV)

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MAT 7519

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

75-Re-183



38

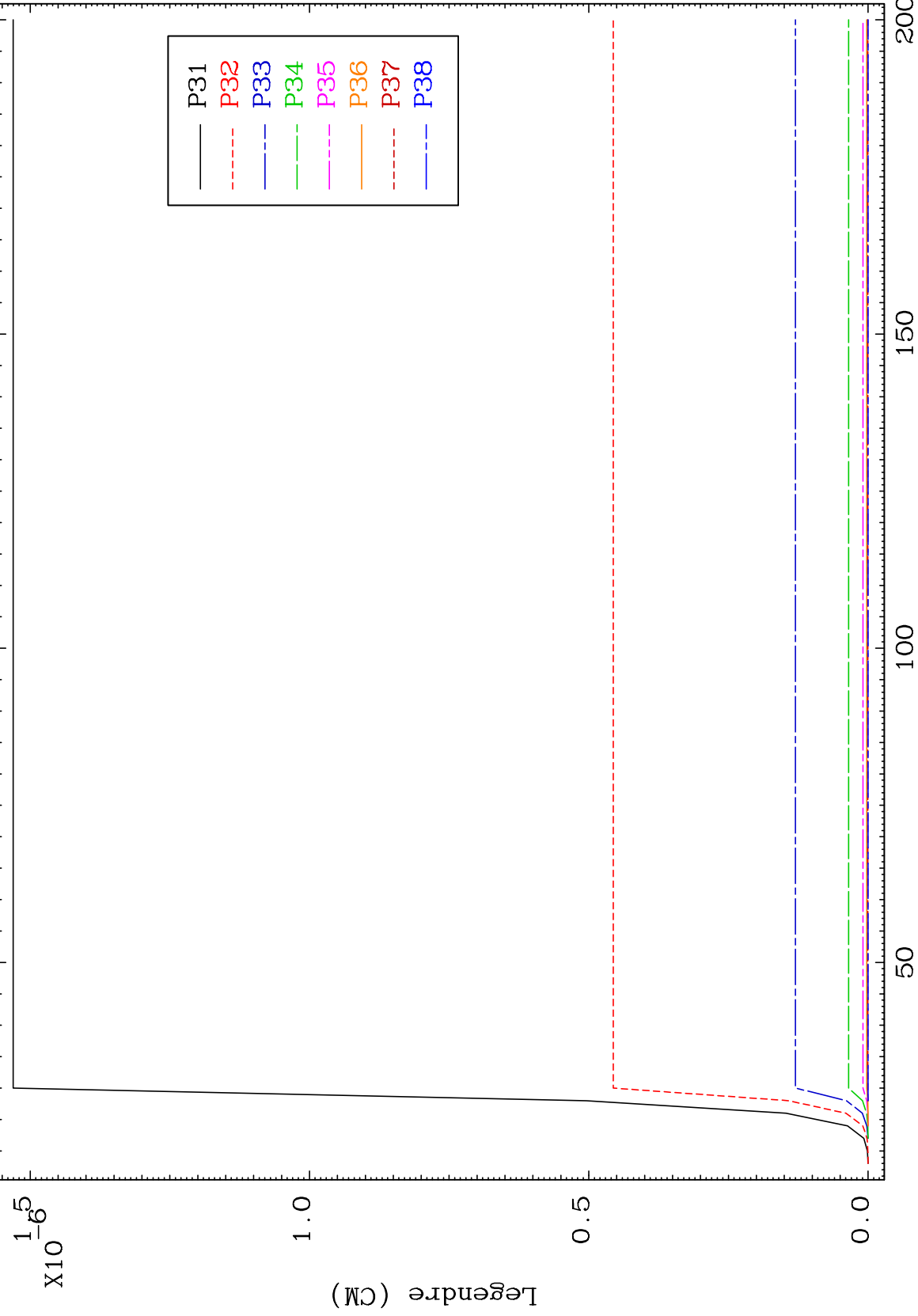
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



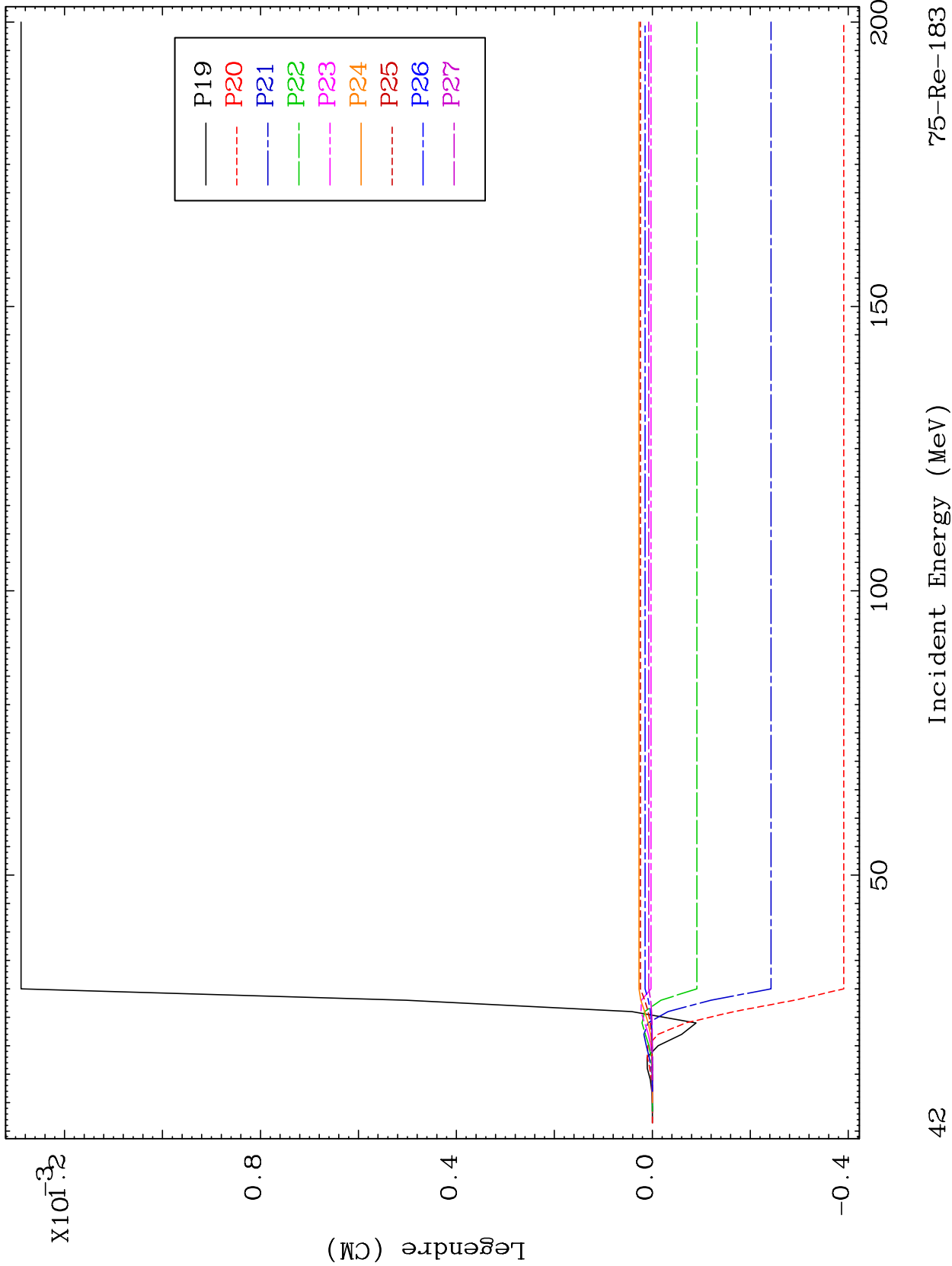
39

75-Re-183

MAT 7519

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

75-Re-183



42

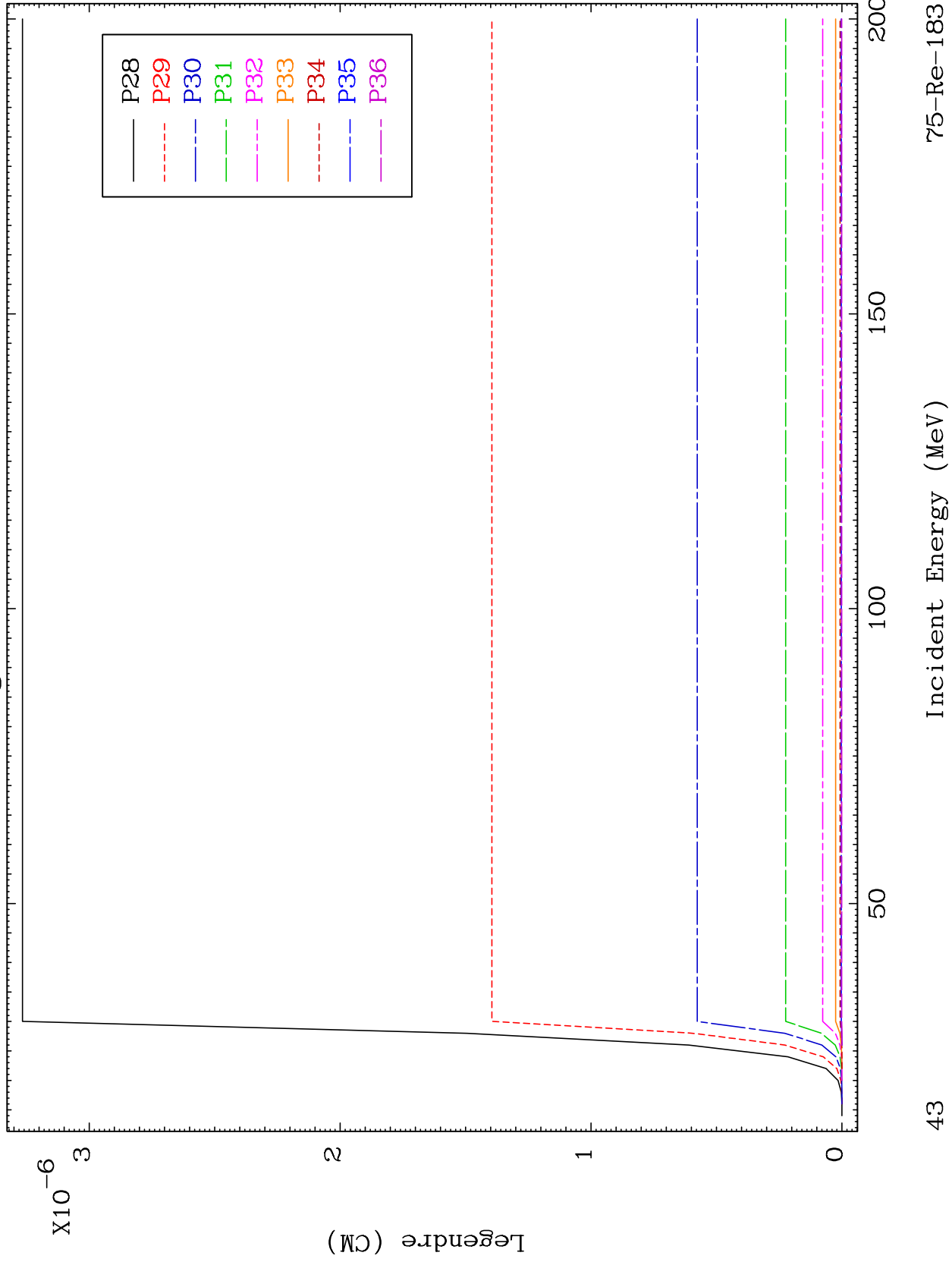
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



43

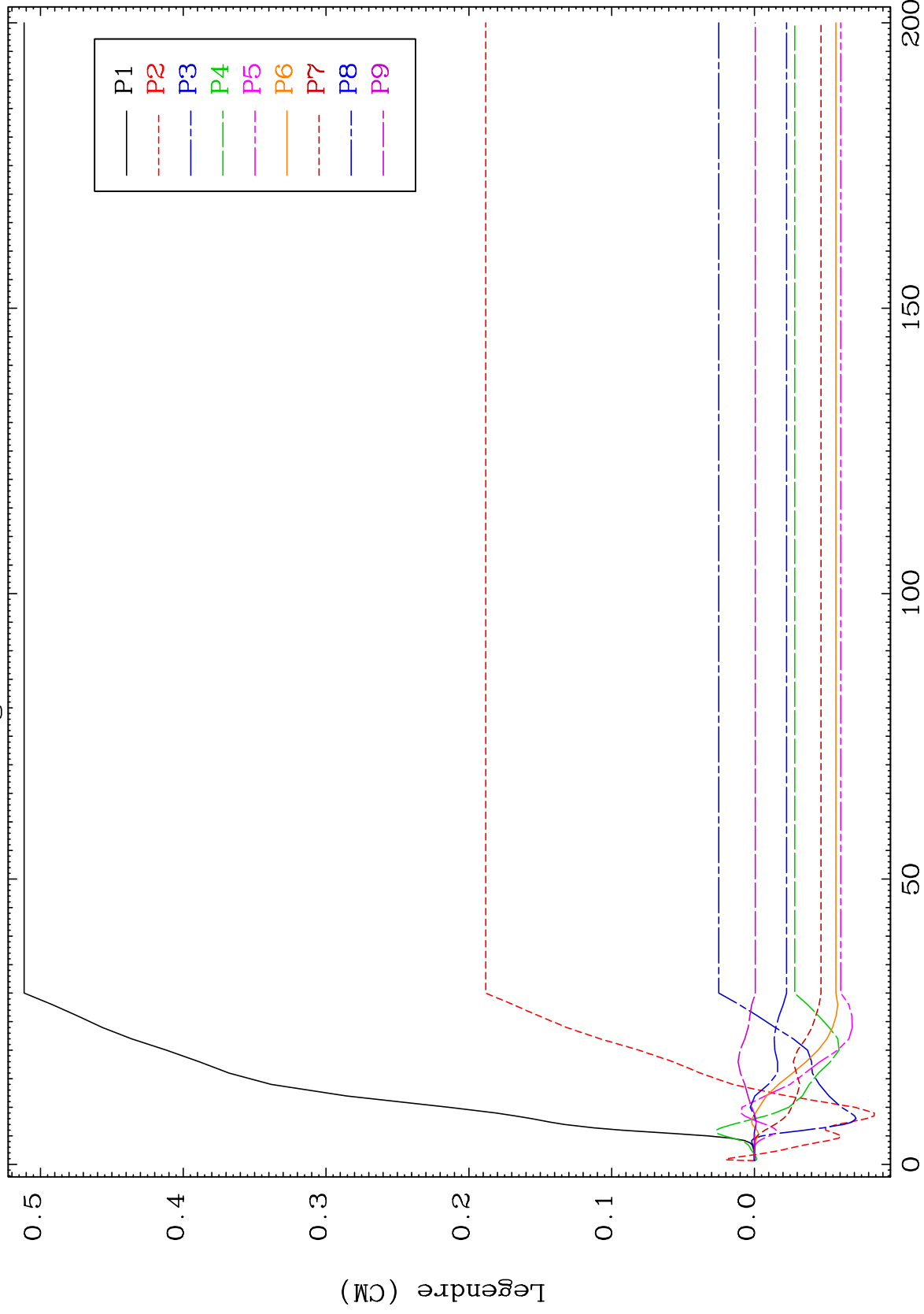
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



44

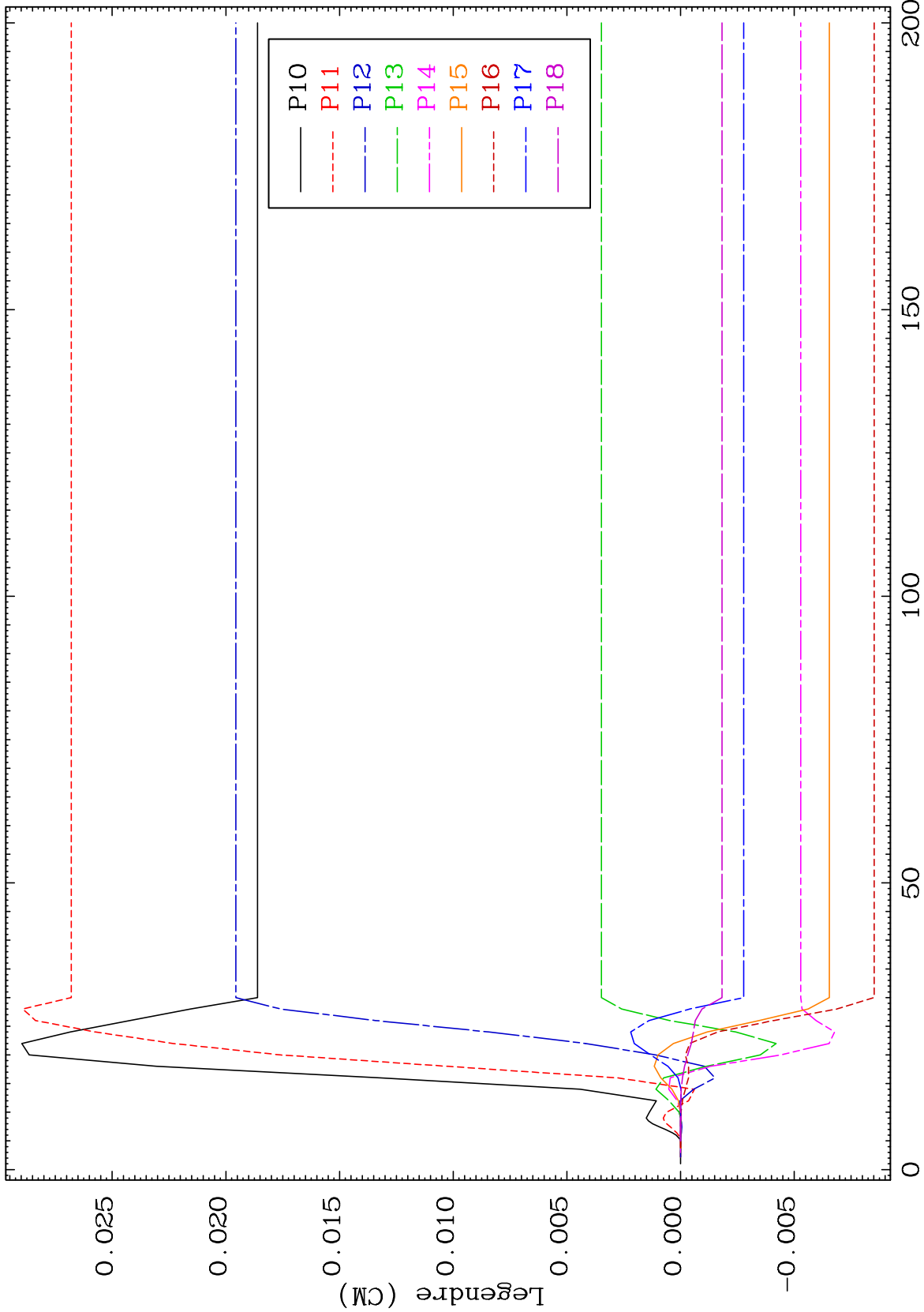
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



45

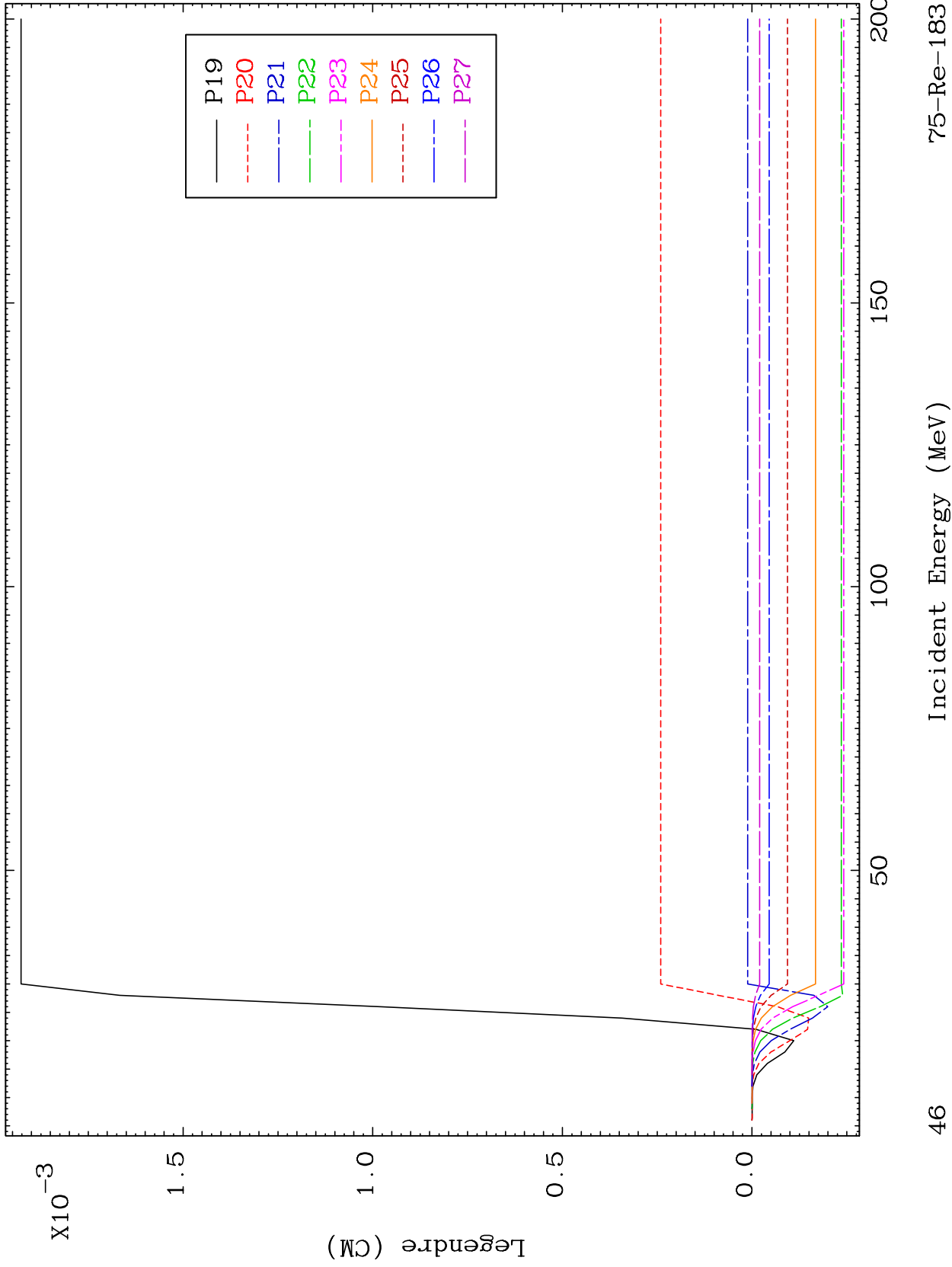
Incident Energy (MeV)

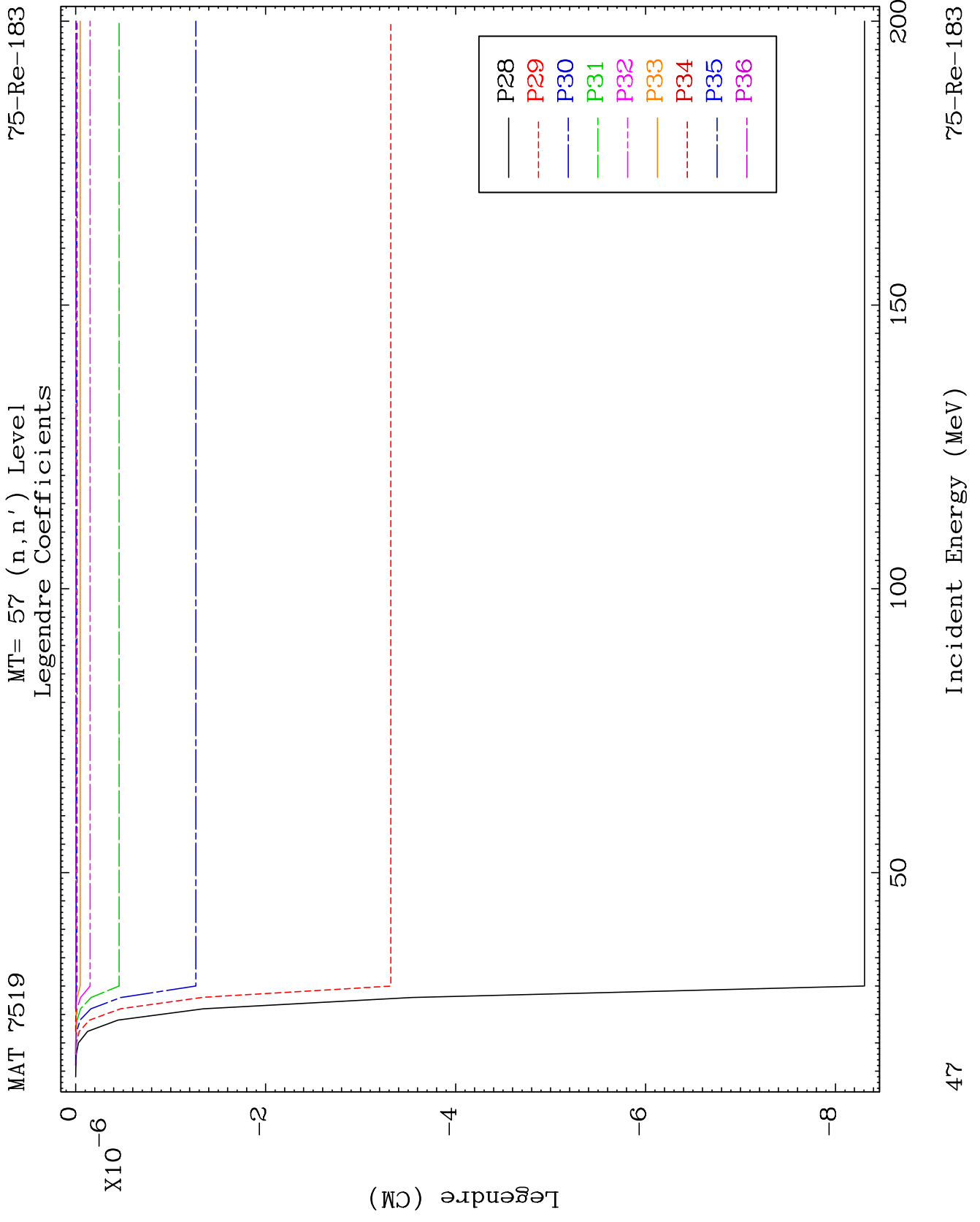
75-Re-183

MAT 7519

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

75-Re-183

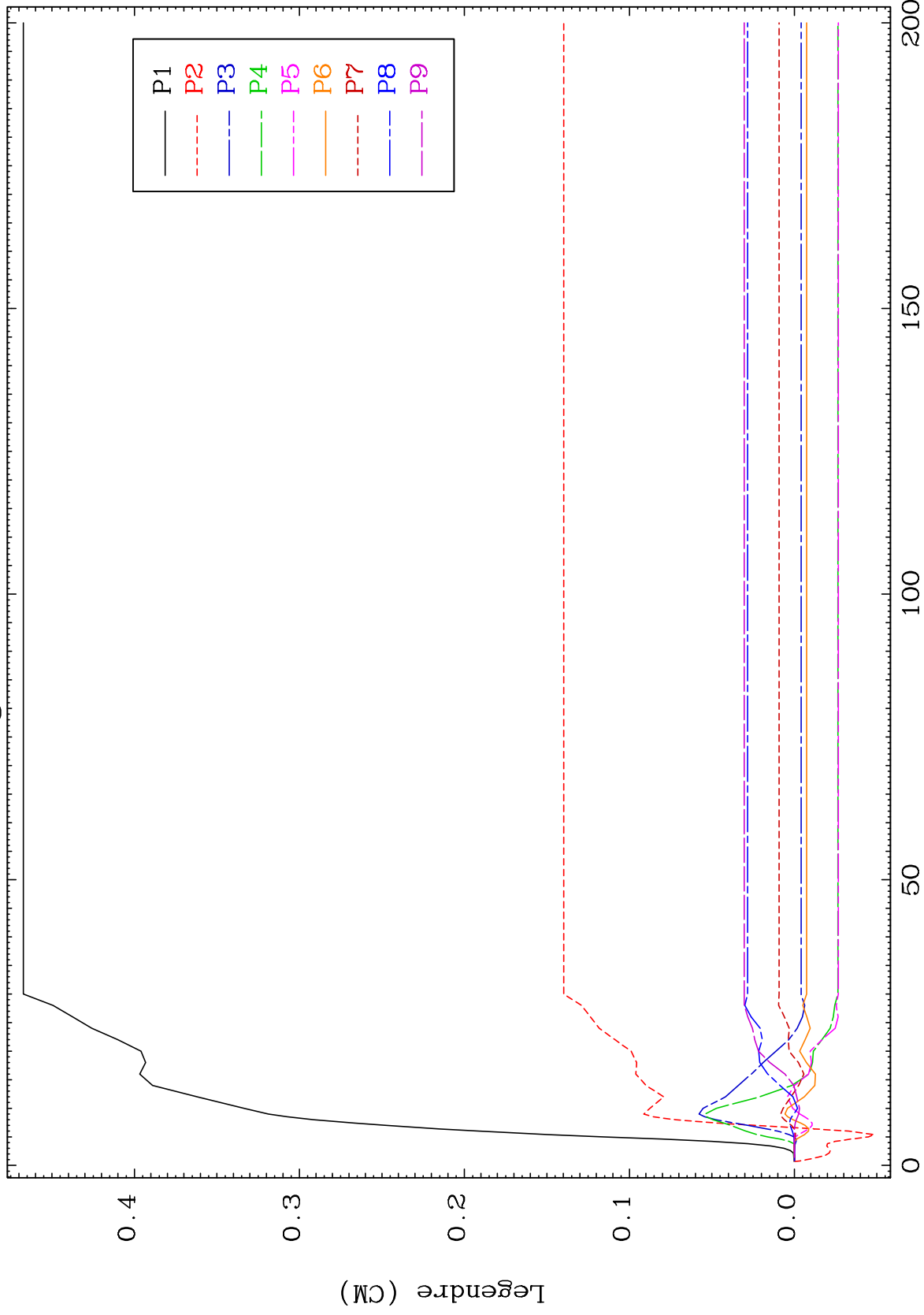




MAT 7519

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

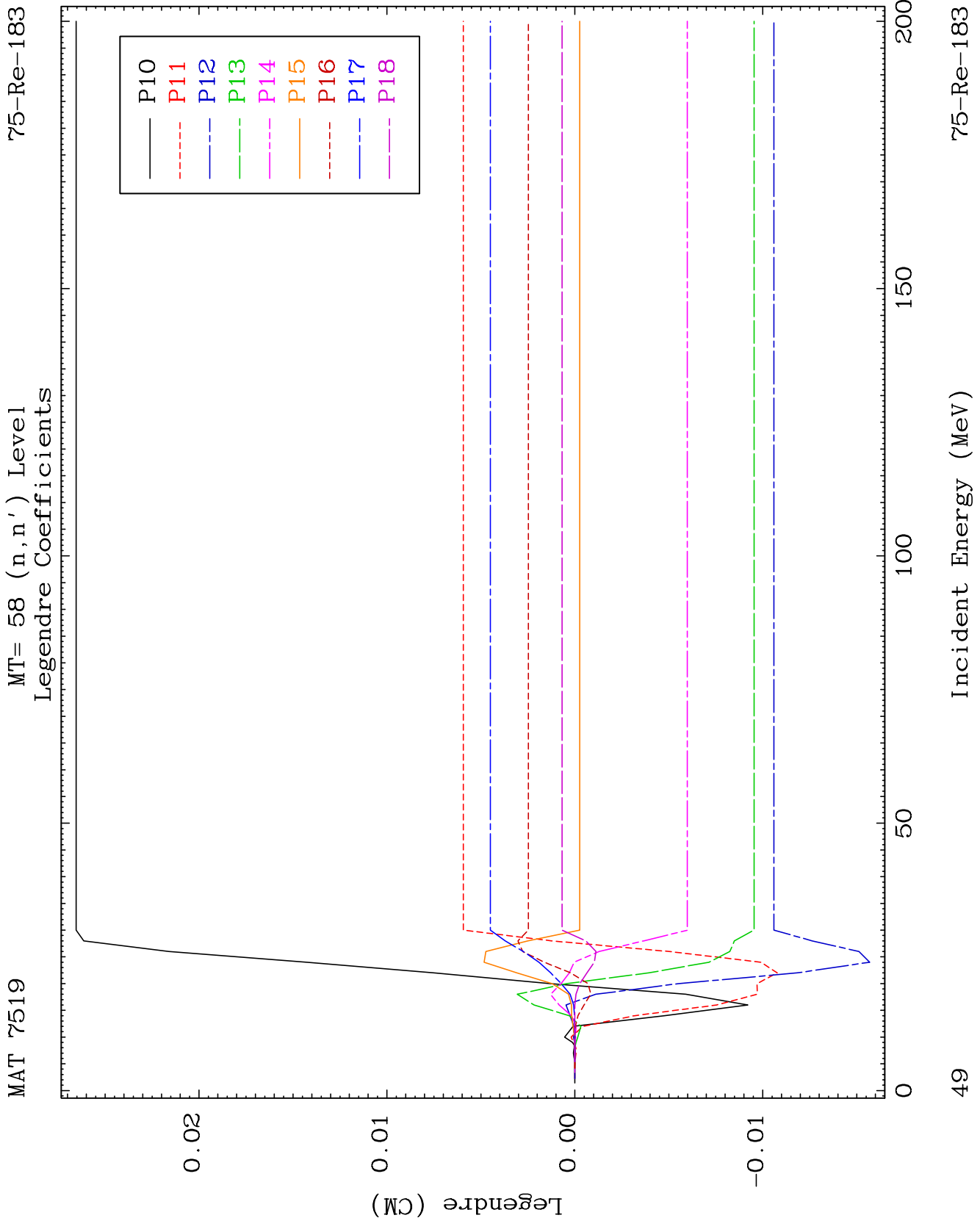
75-Re-183



48

Incident Energy (MeV)

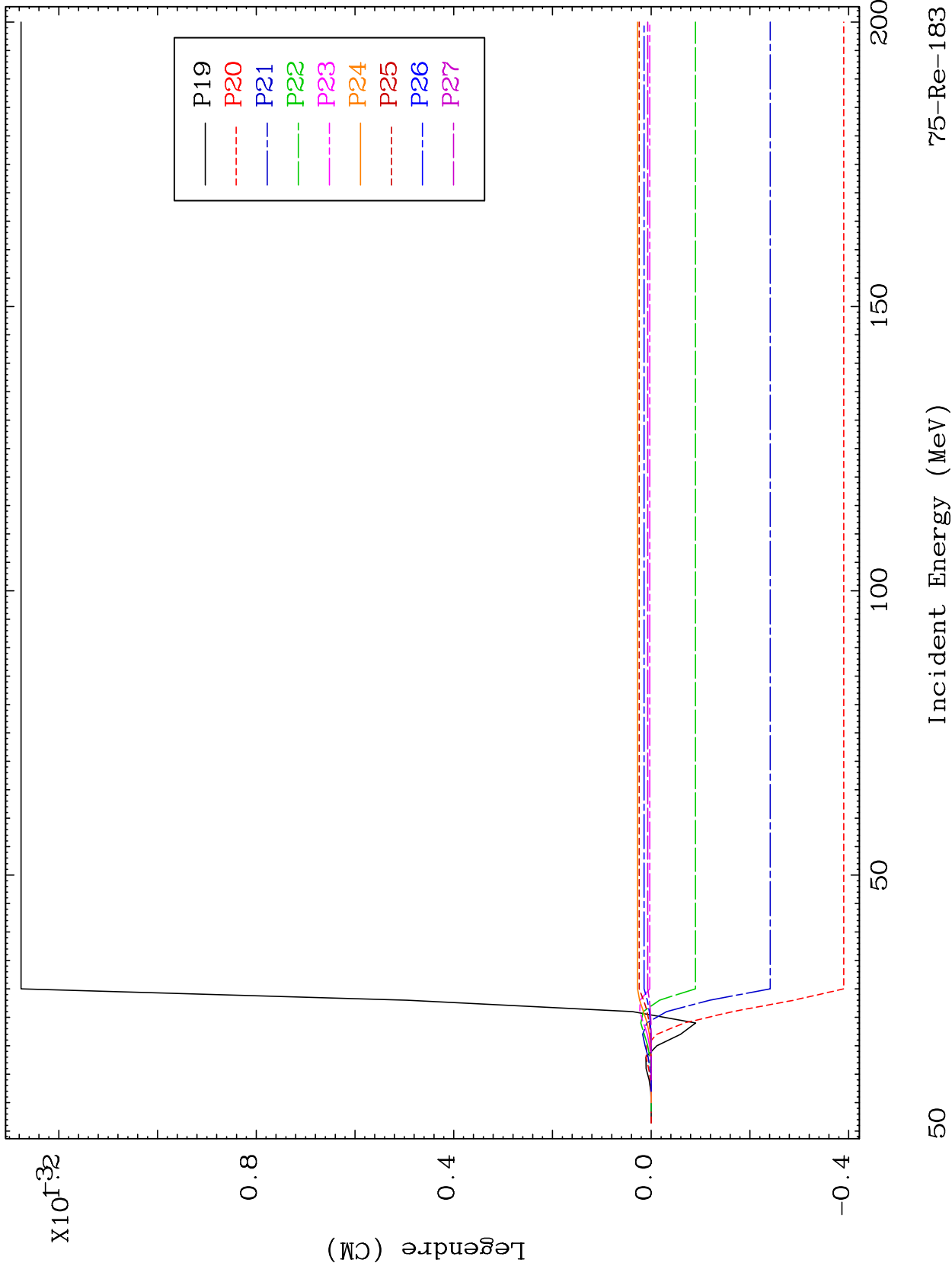
75-Re-183



MAT 7519

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

75-Re-183



75-Re-183

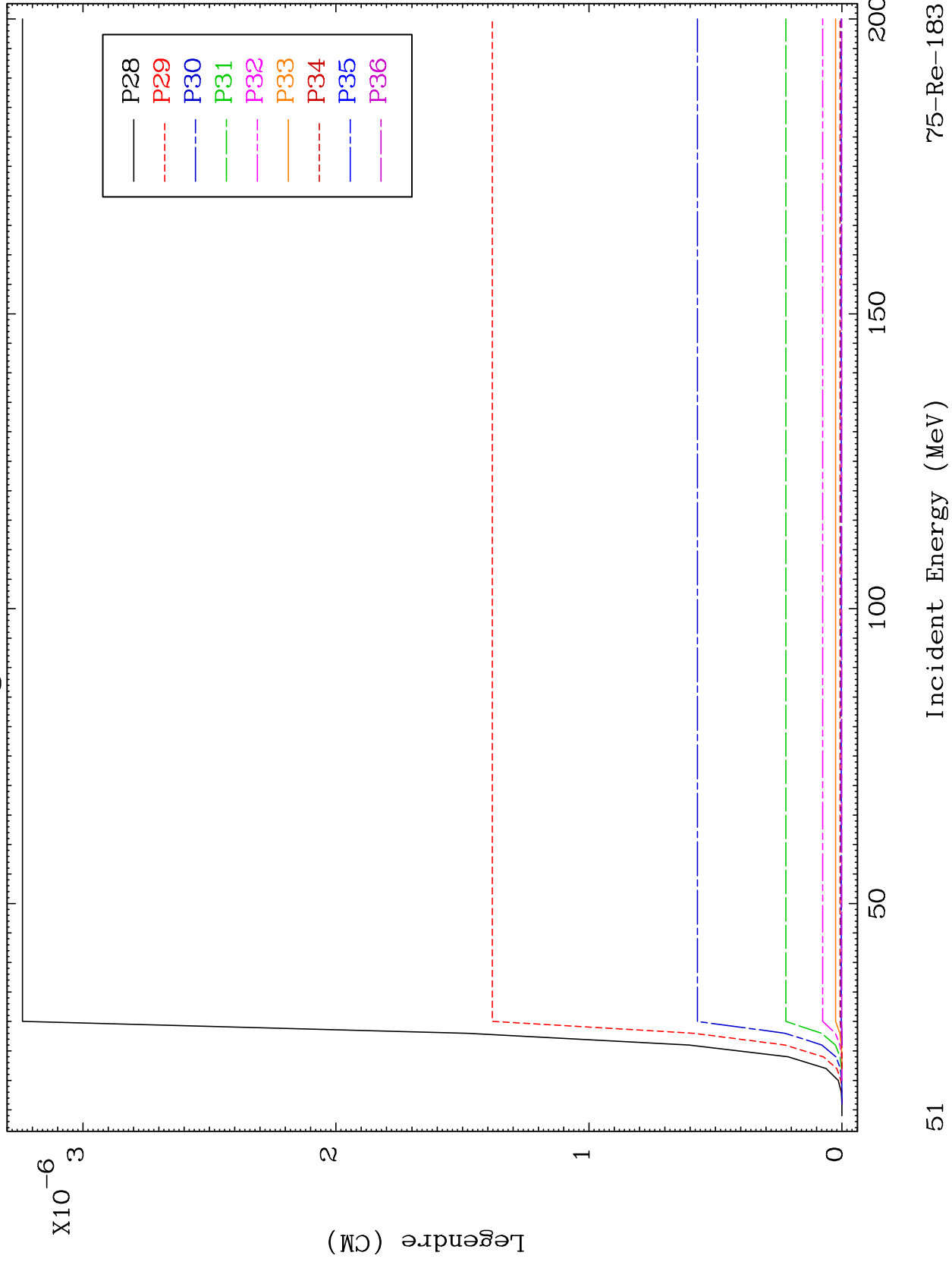
Incident Energy (MeV)

50

MAT 7519

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

75-Re-183



51

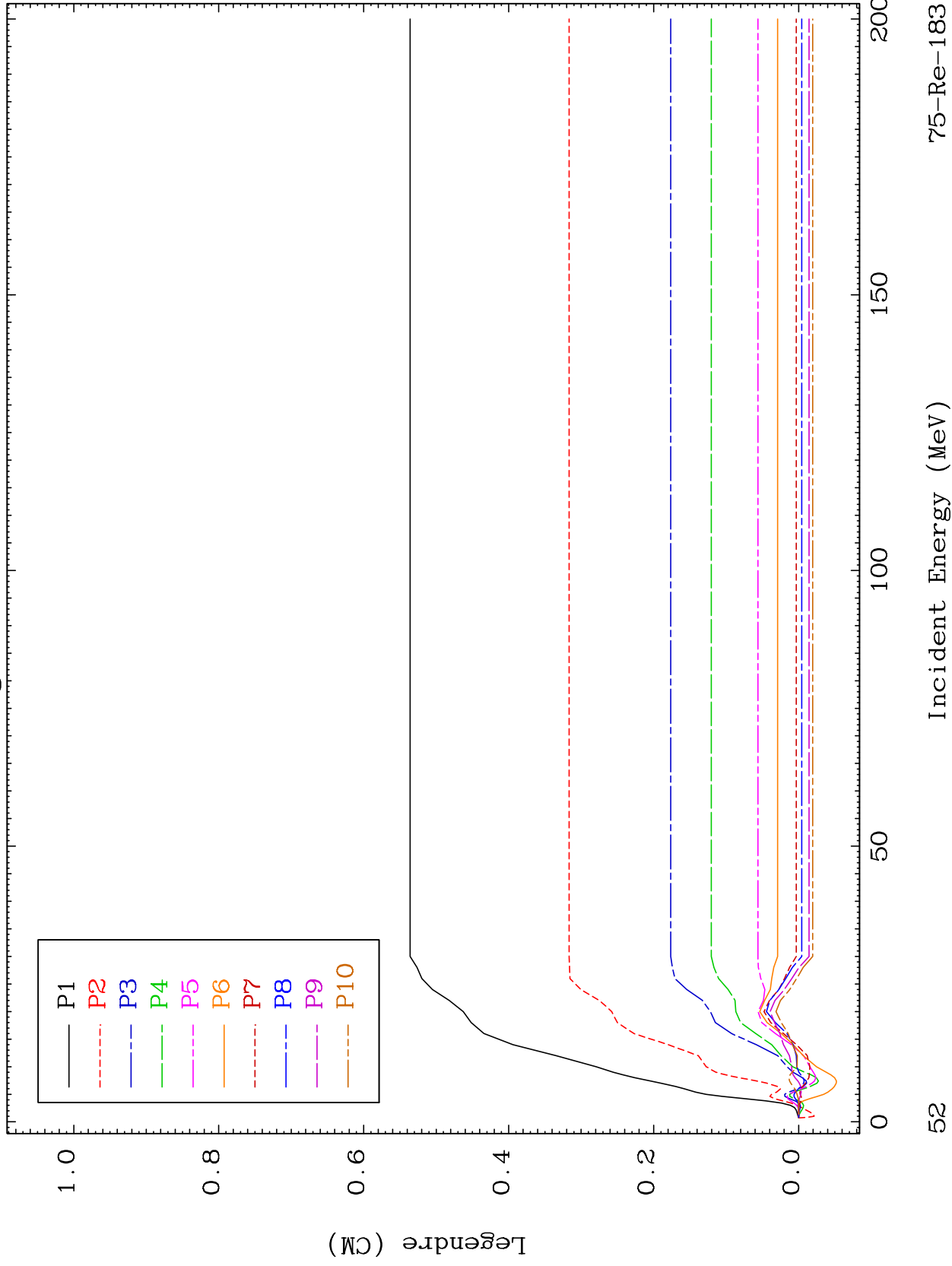
Incident Energy (MeV)

75-Re-183

MAT 7519

MT= 59 (n,n') Level
Legendre Coefficients

75-Re-183



52

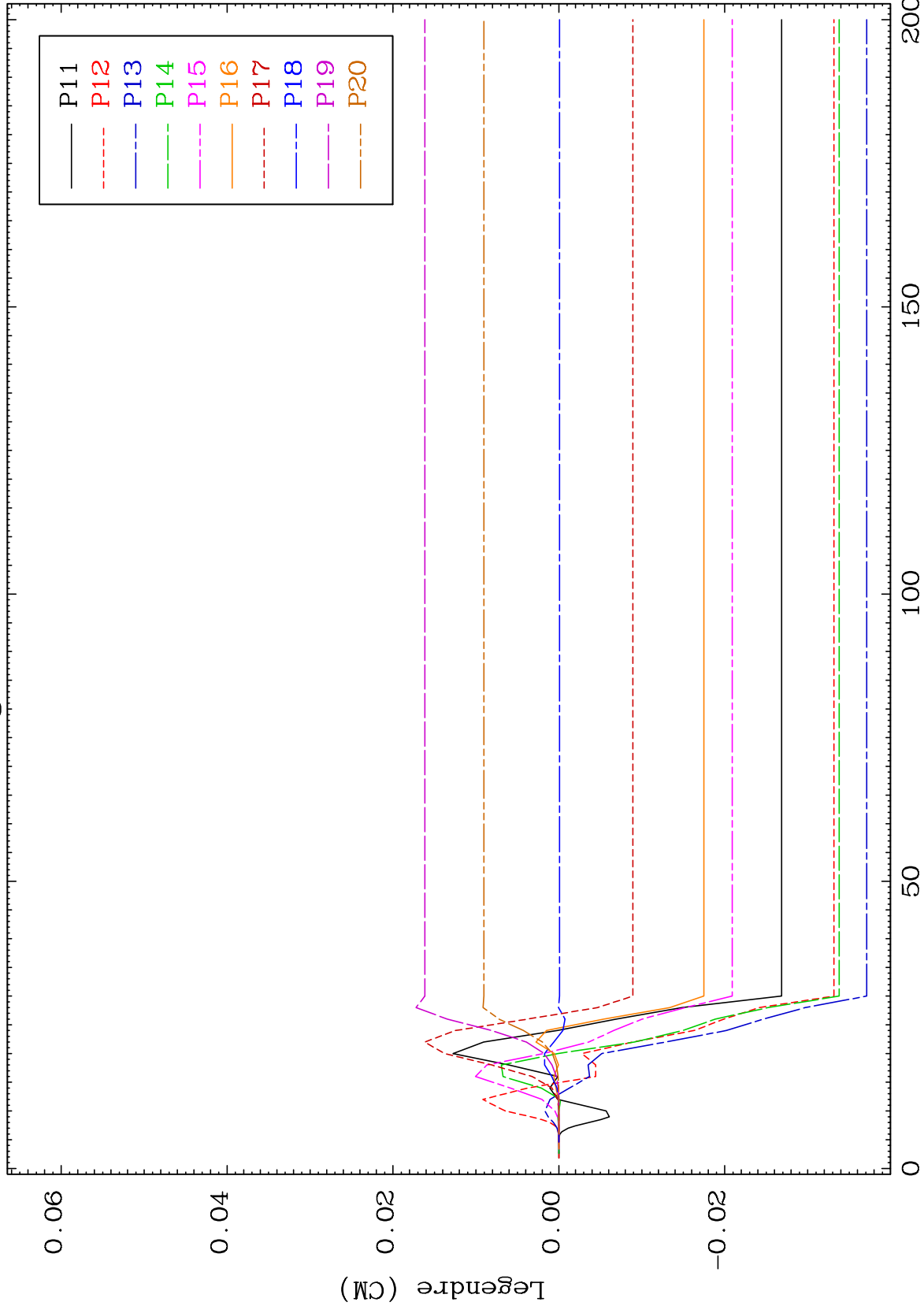
Incident Energy (MeV)

75-Re-183

MAT 7519

MT= 59 (n,n') Level
Legendre Coefficients

75-Re-183



53

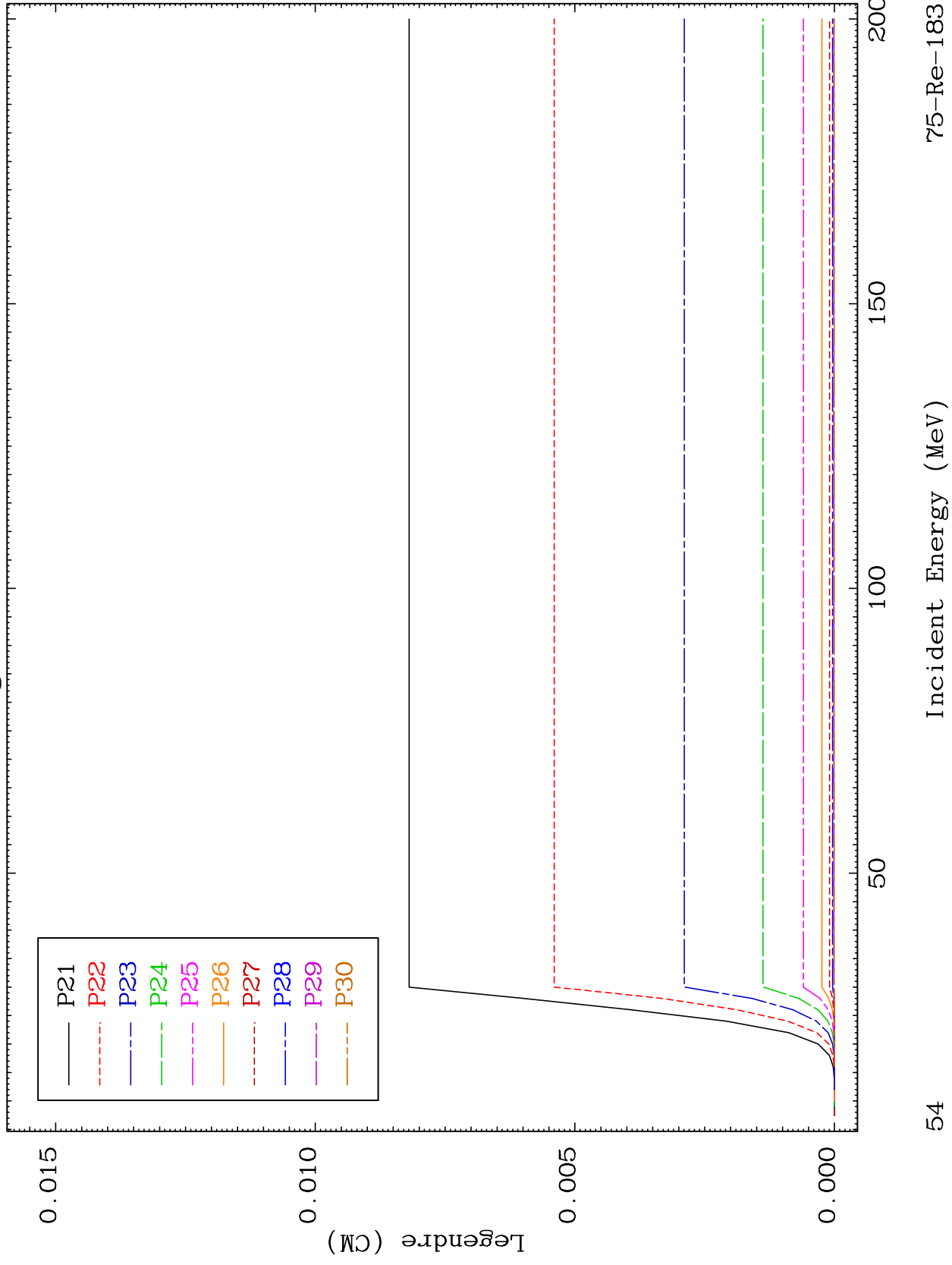
Incident Energy (MeV)

75-Re-183

MAT 7519

MT= 59 (n,n') Level
Legendre Coefficients

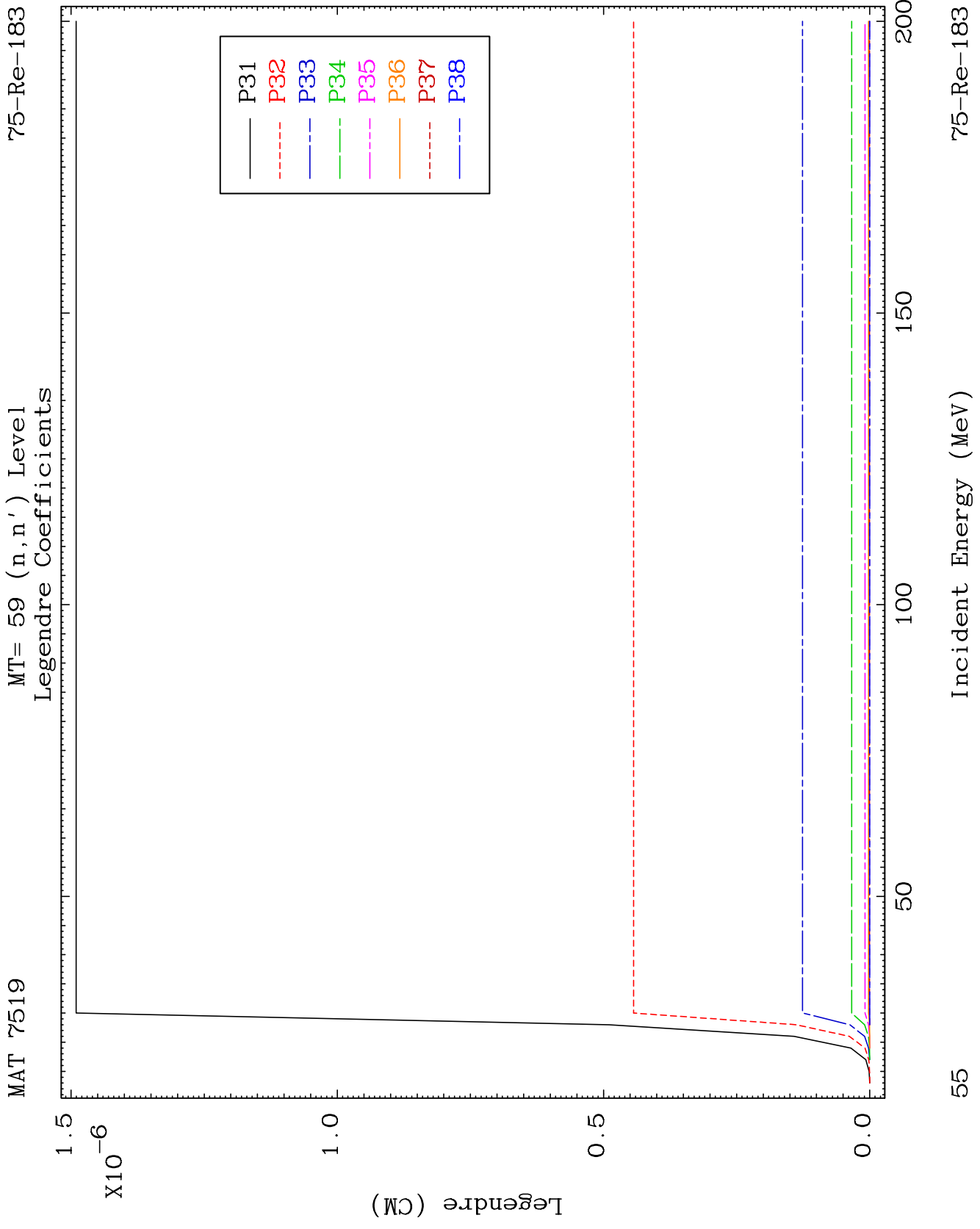
75-Re-183



54

Incident Energy (MeV)

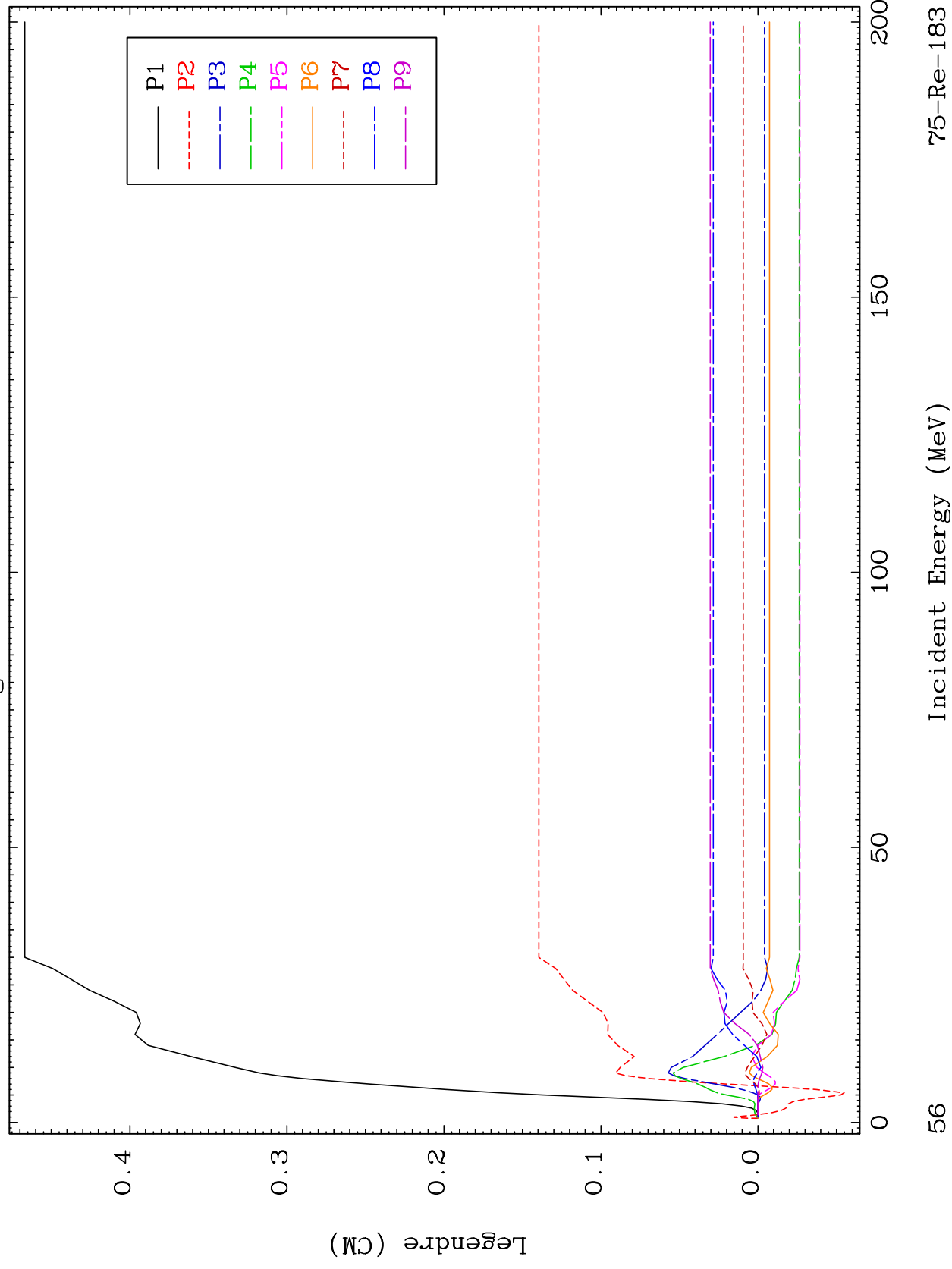
75-Re-183



MAT 7519

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

75-Re-183



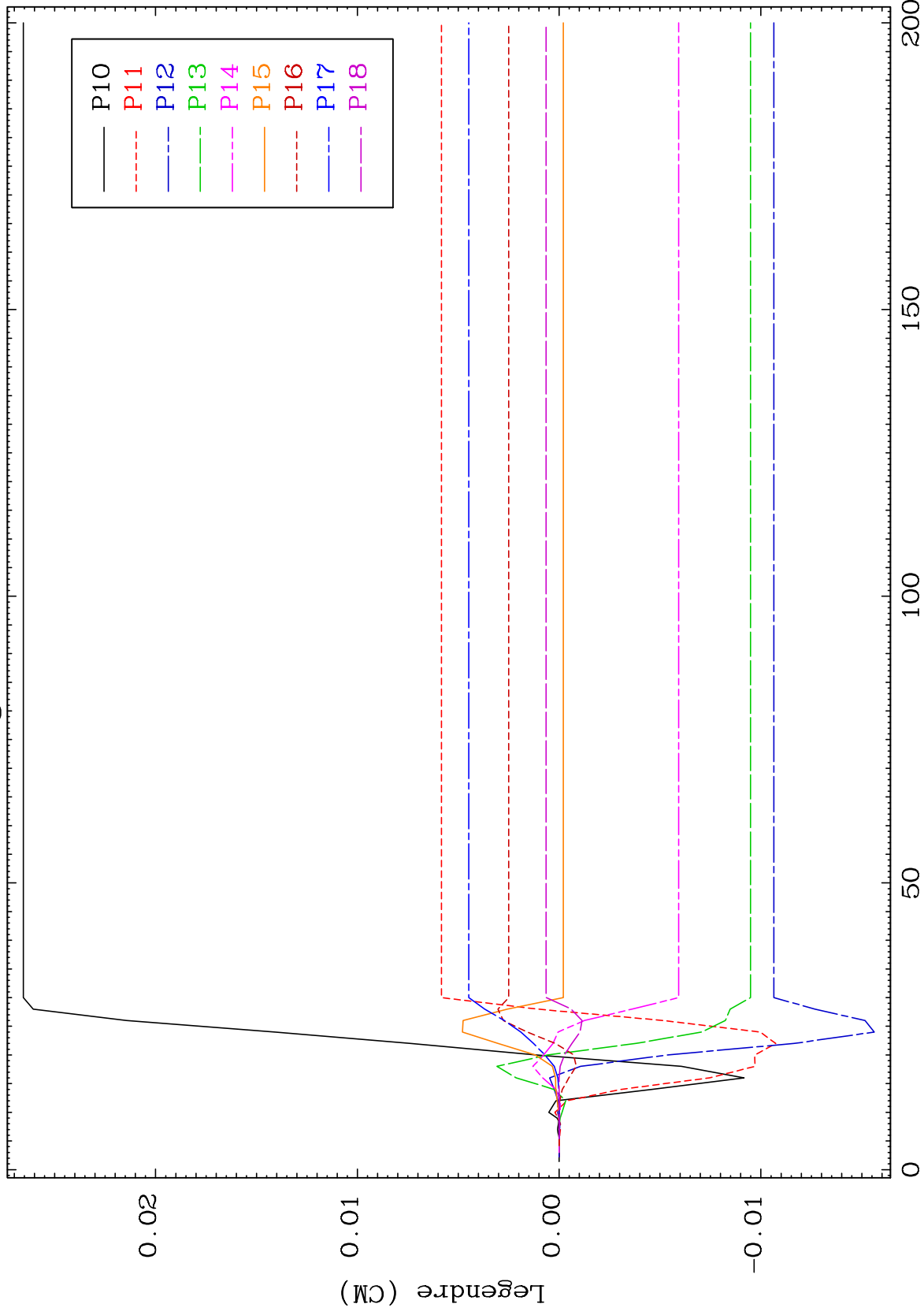
56

75-Re-183

MAT 7519

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

75-Re-183



57

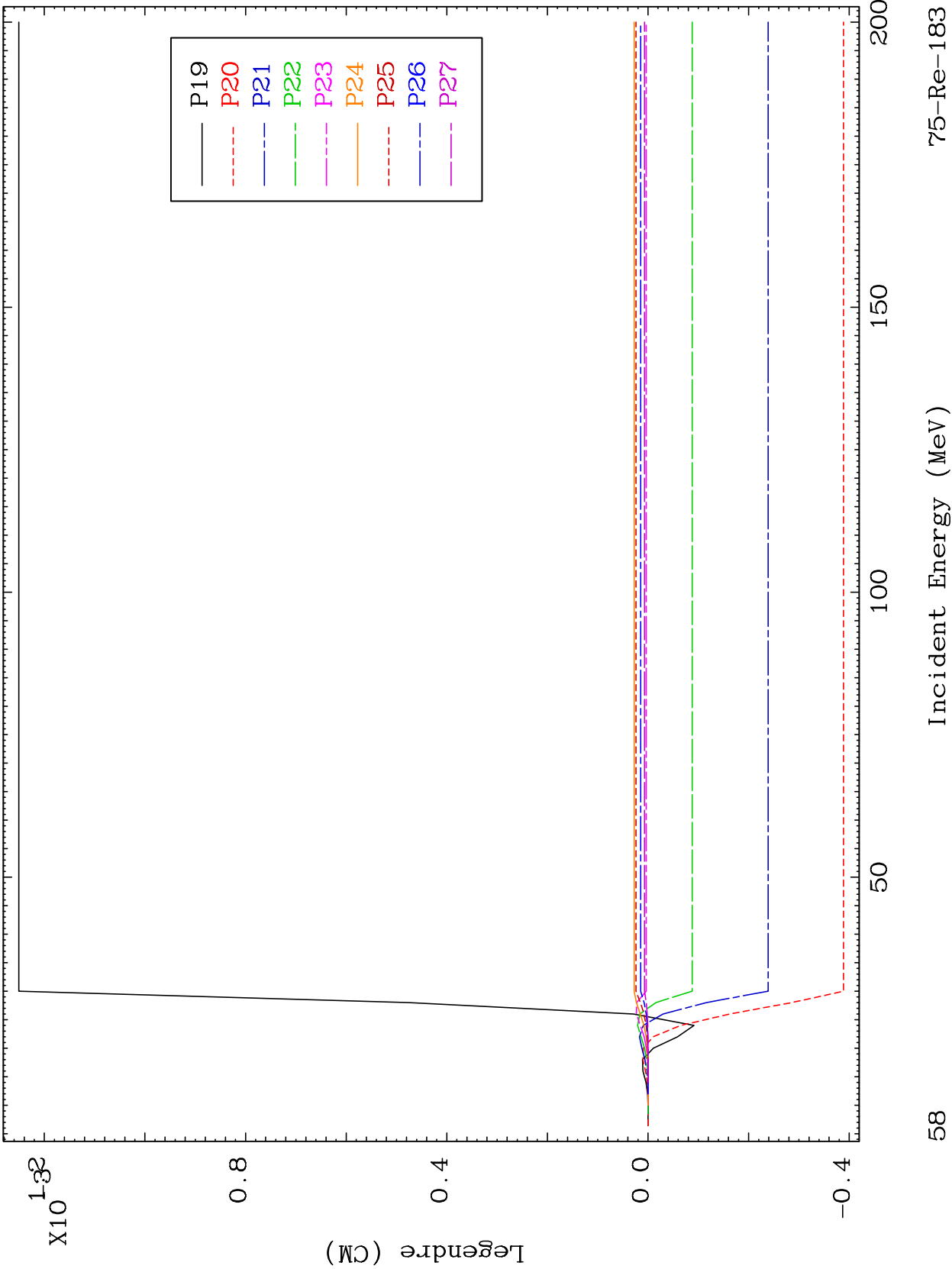
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



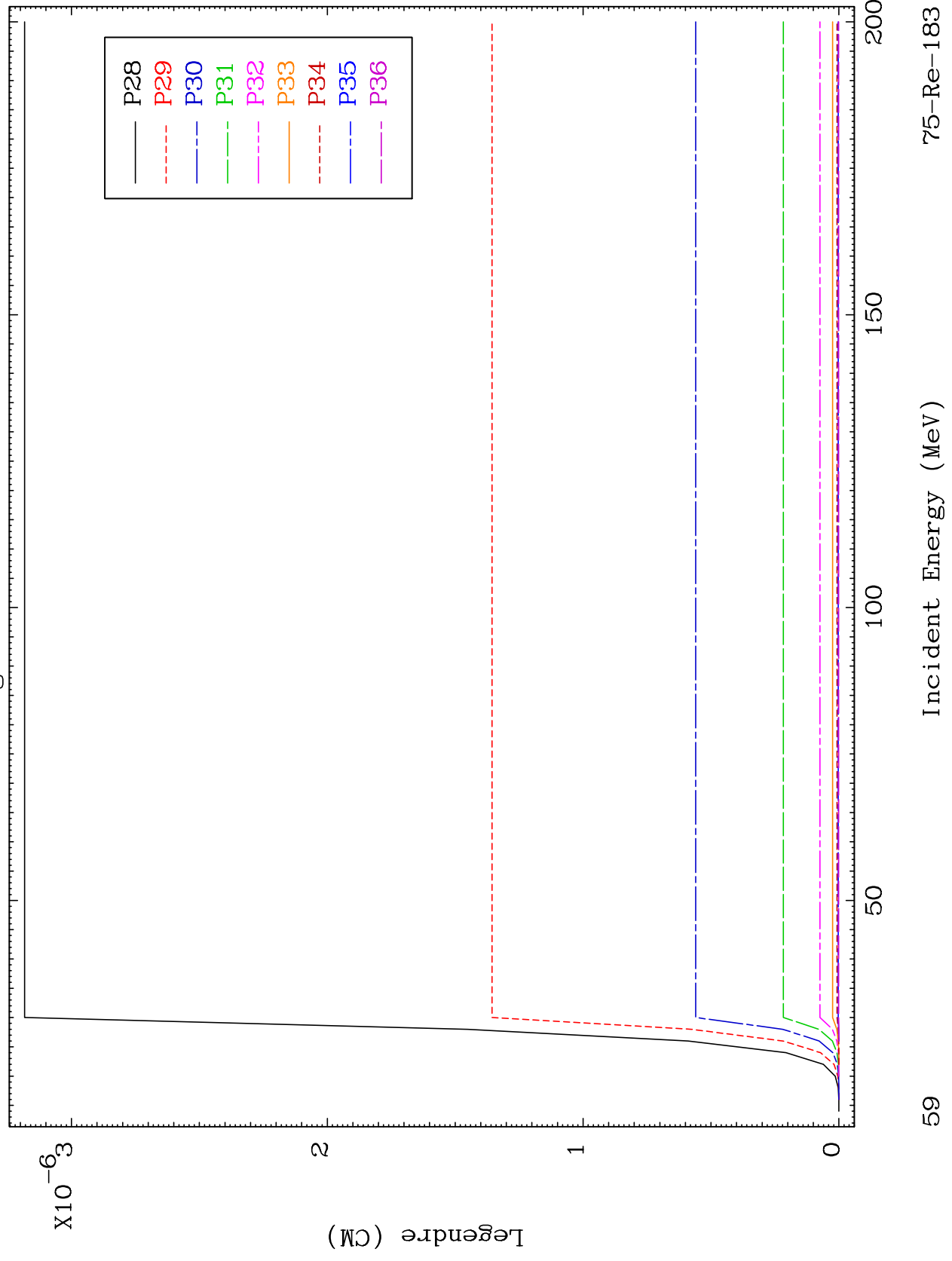
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75-Re-183

MAT 7519

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

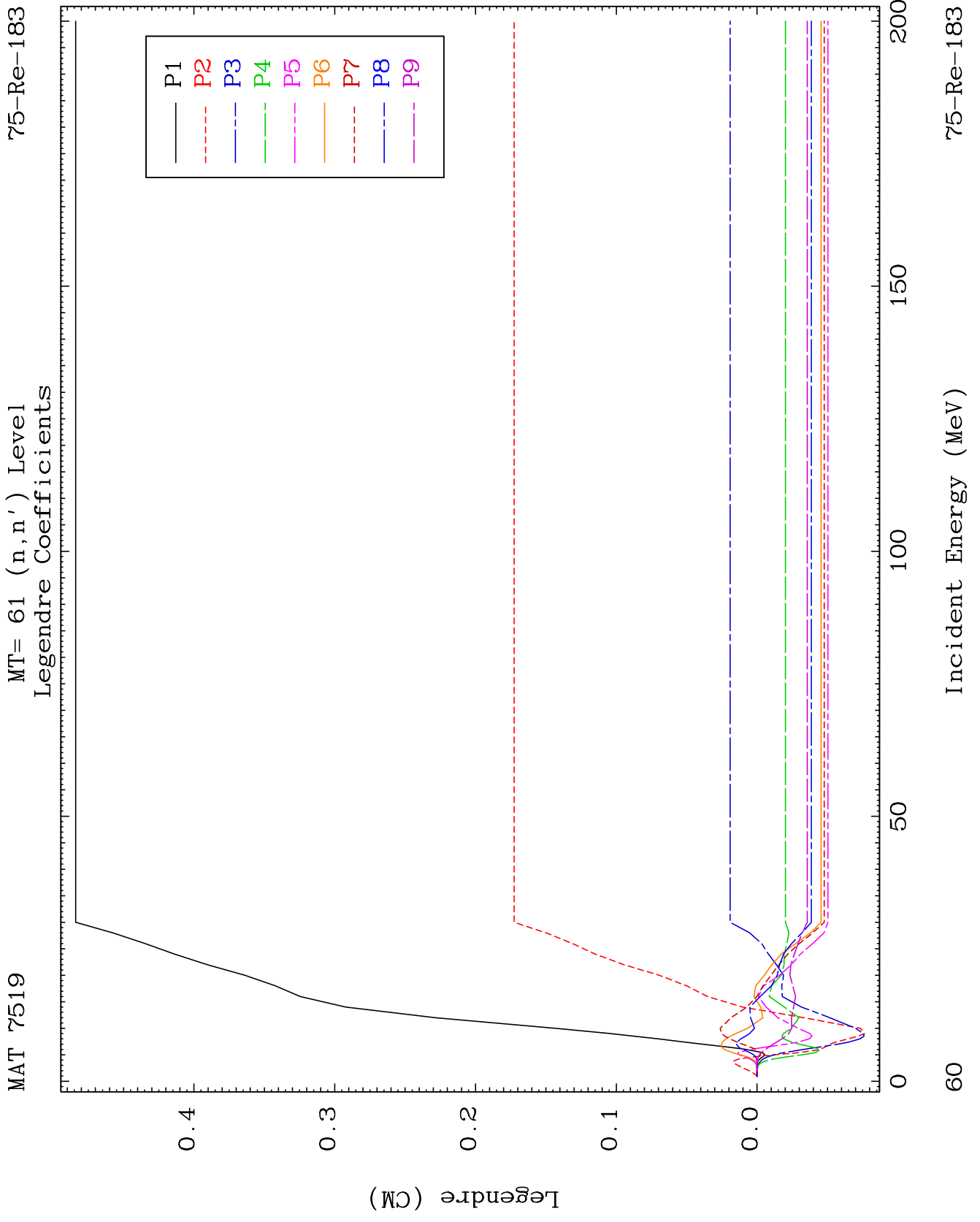
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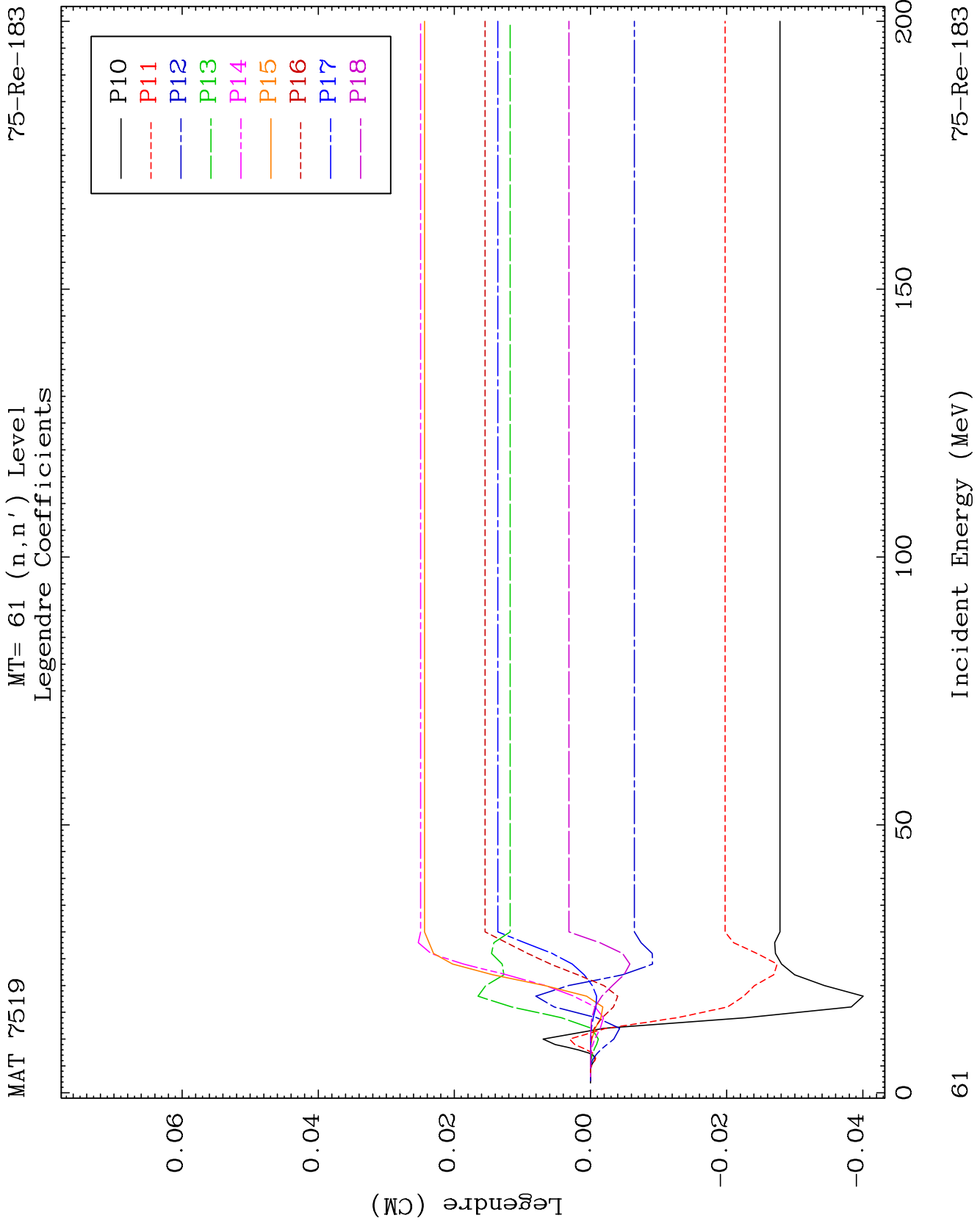


59

Incident Energy (MeV)

75-Re-183

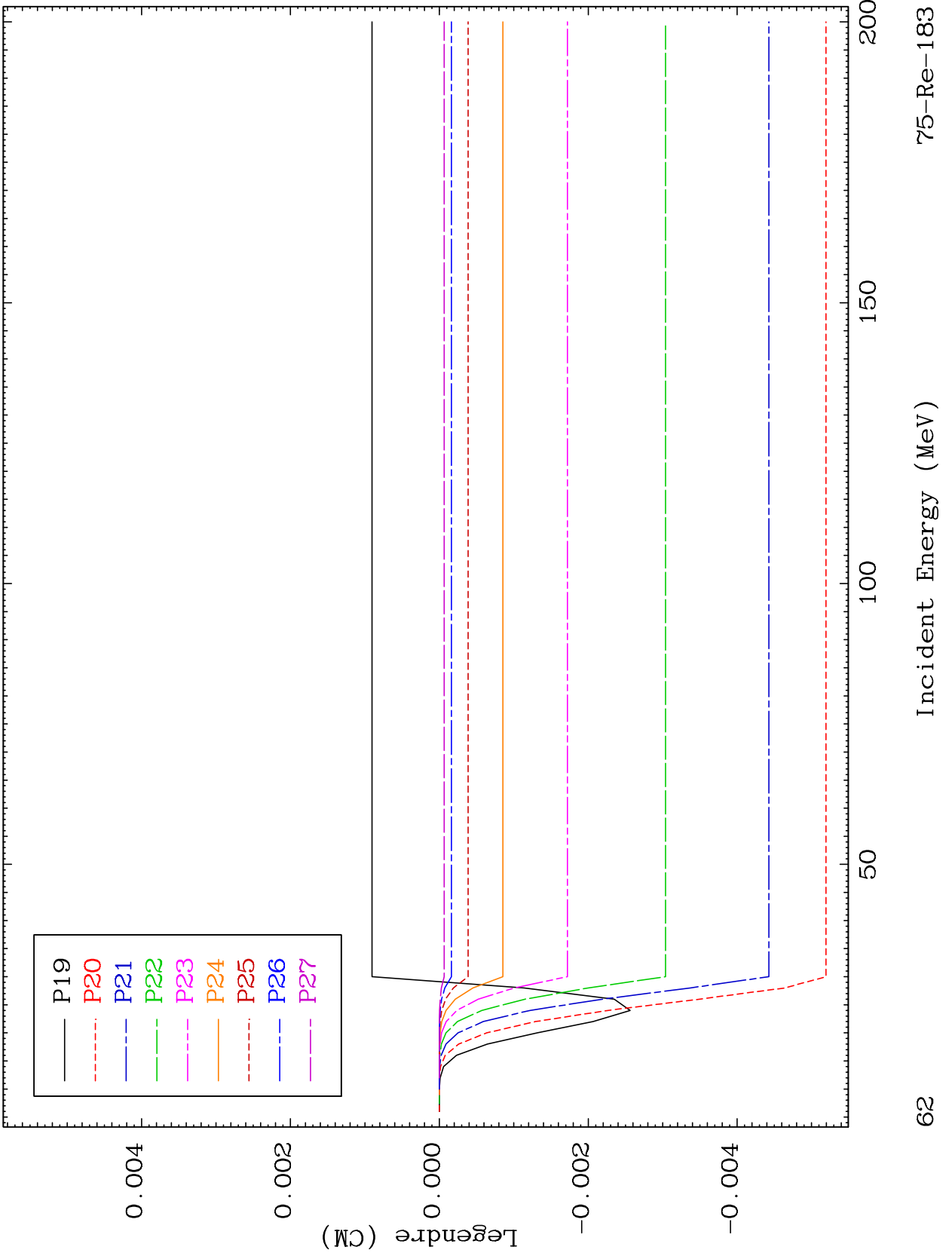


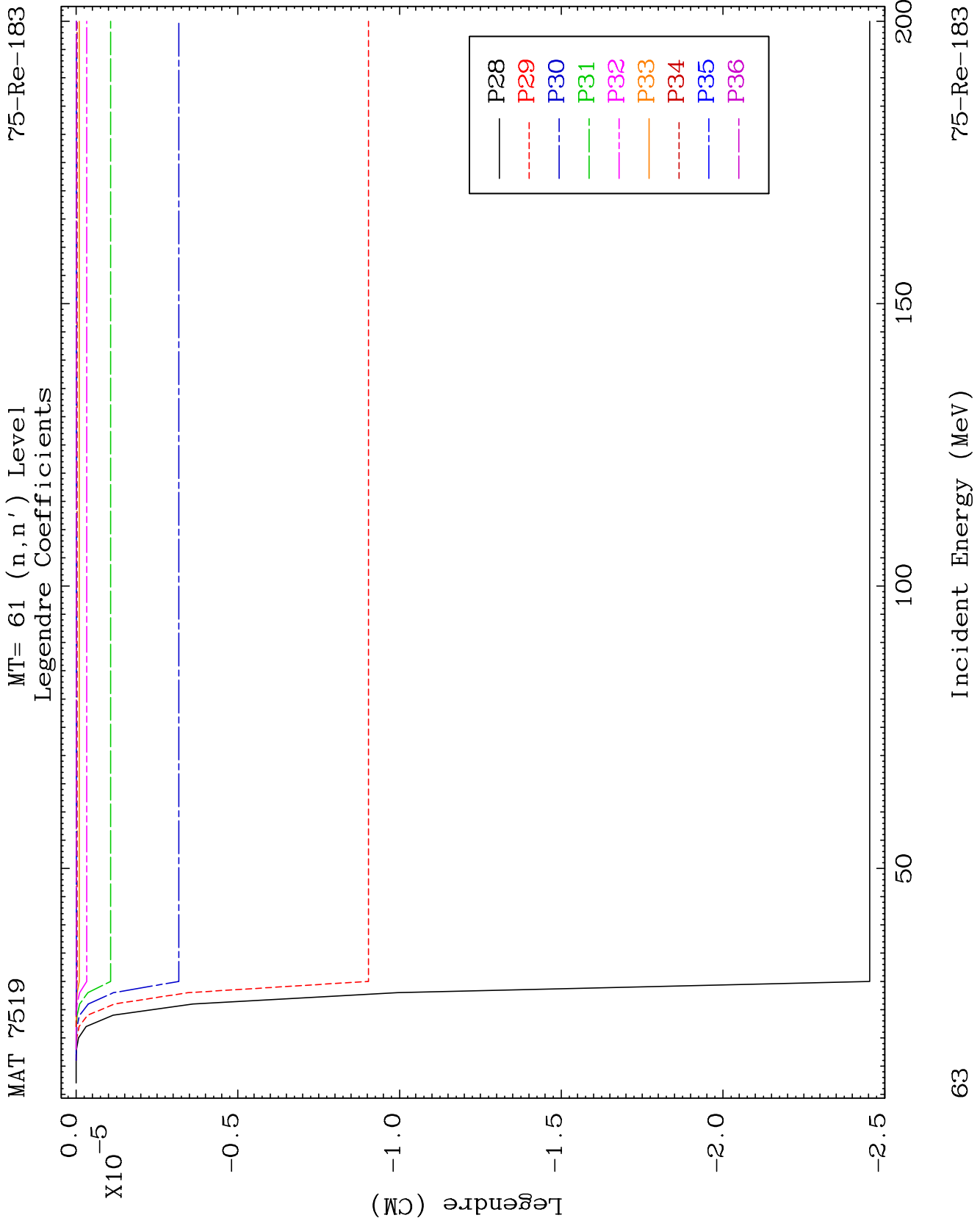


MAT 7519

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

75-Re-183

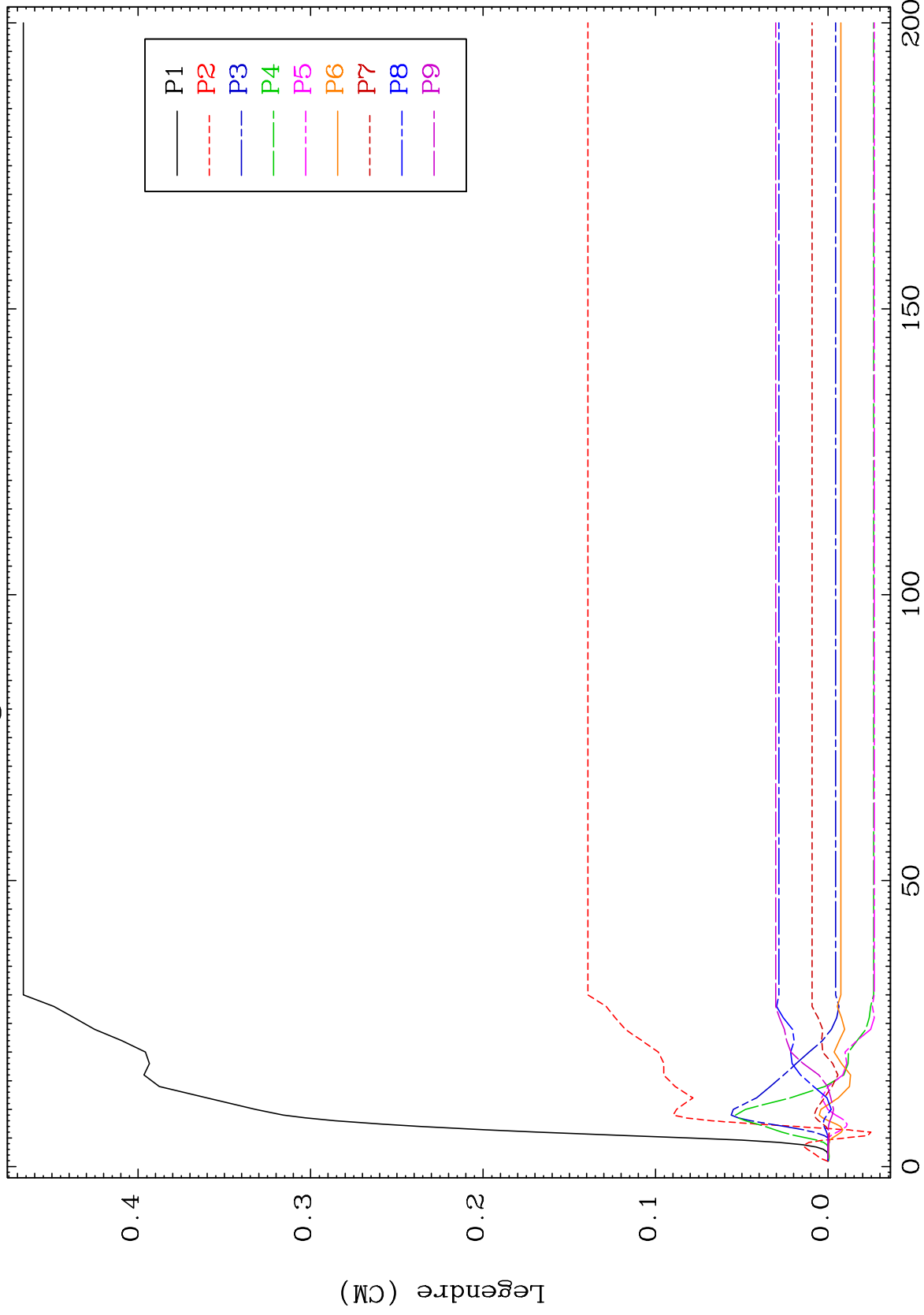




MAT 7519

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

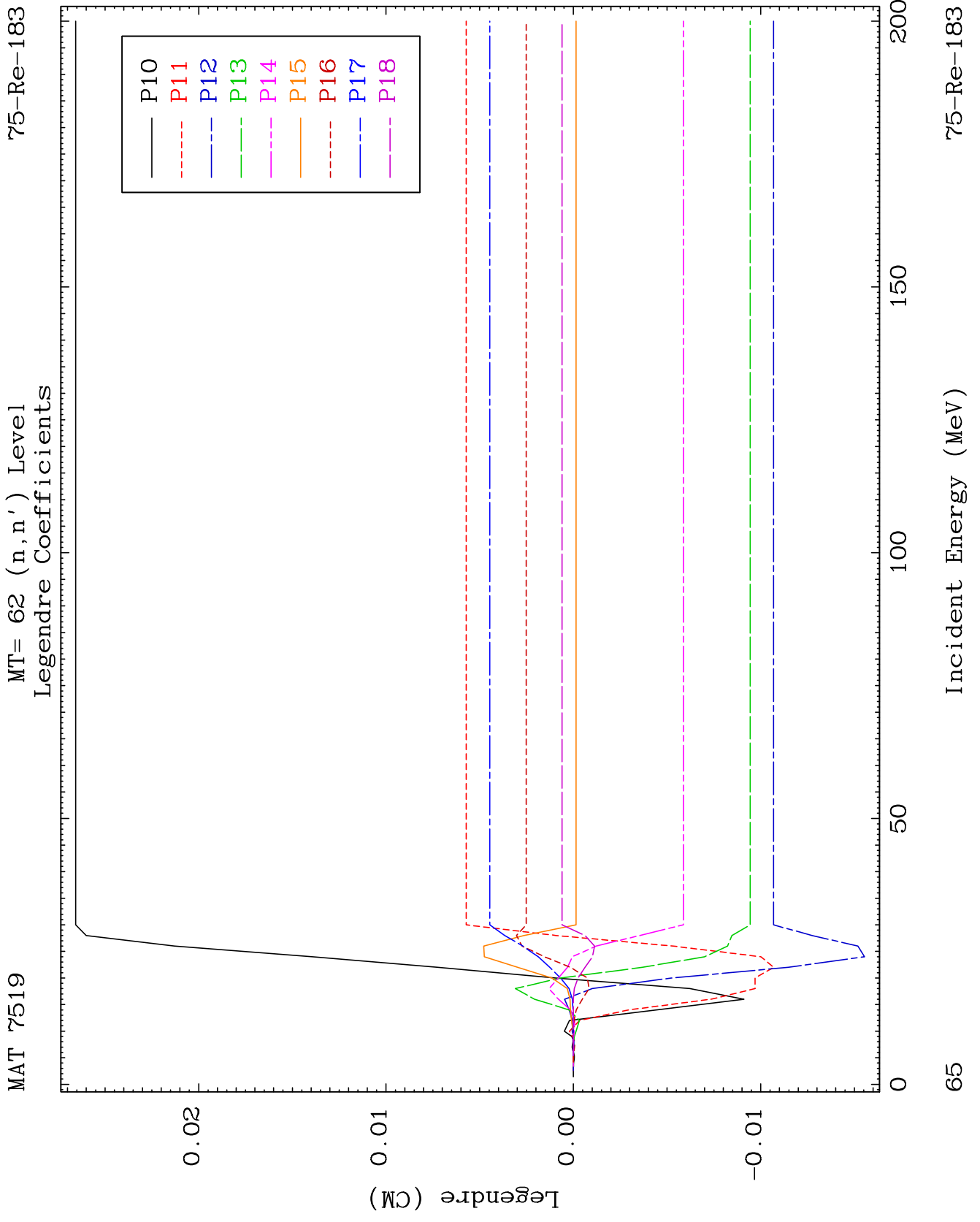
75-Re-183



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Incident Energy (MeV)

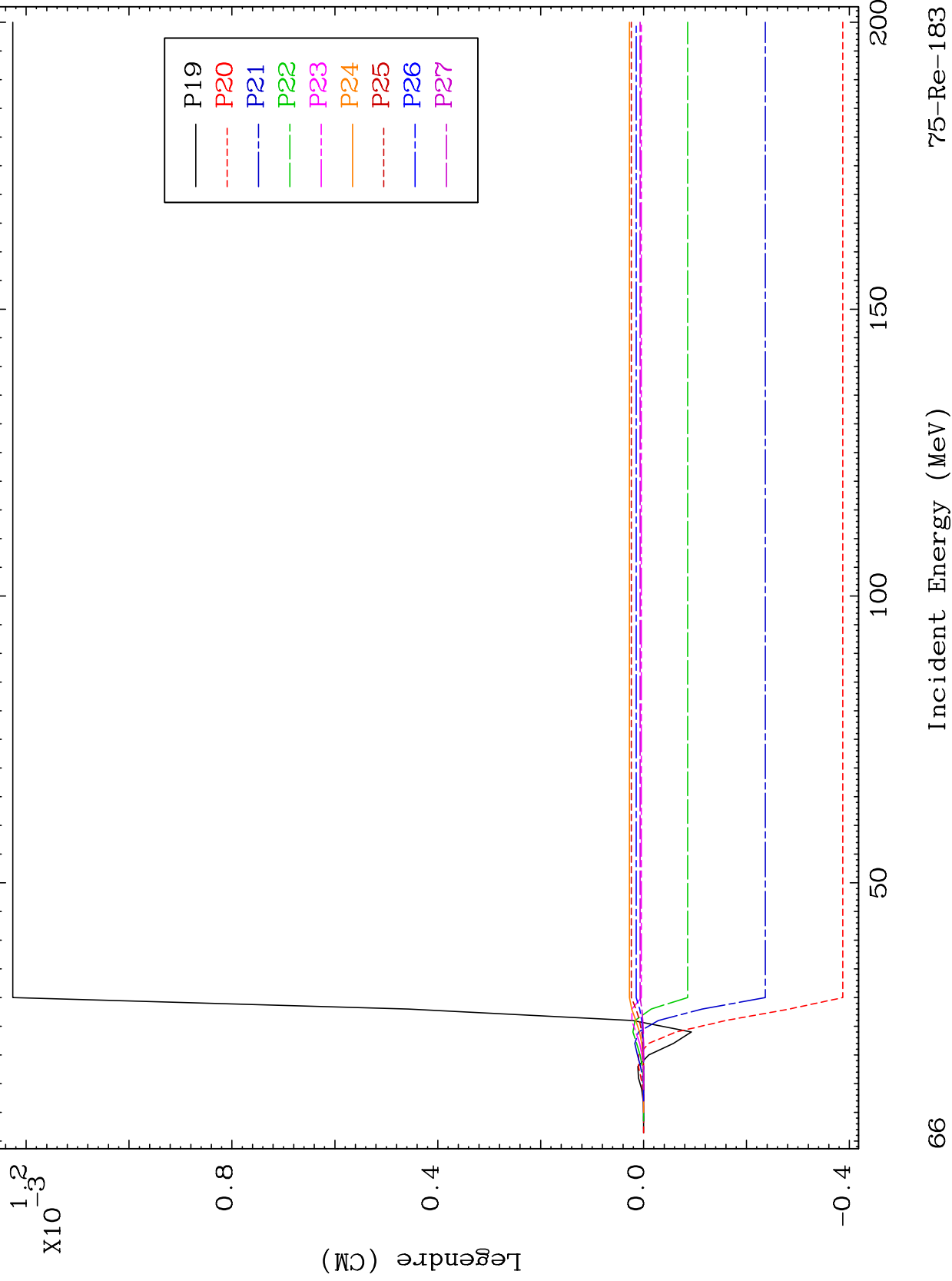
75-Re-183



MAT 7519

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

75-Re-183



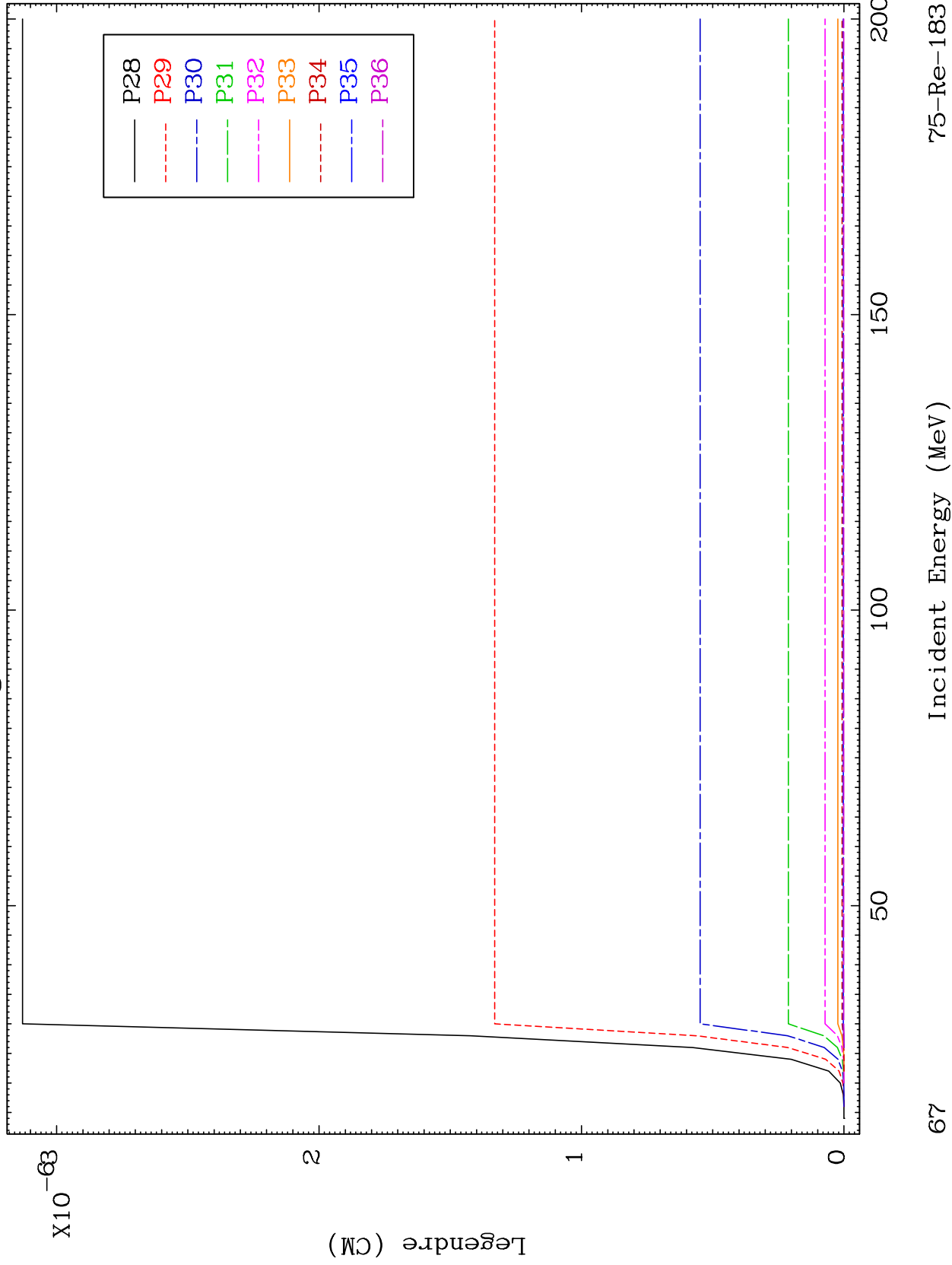
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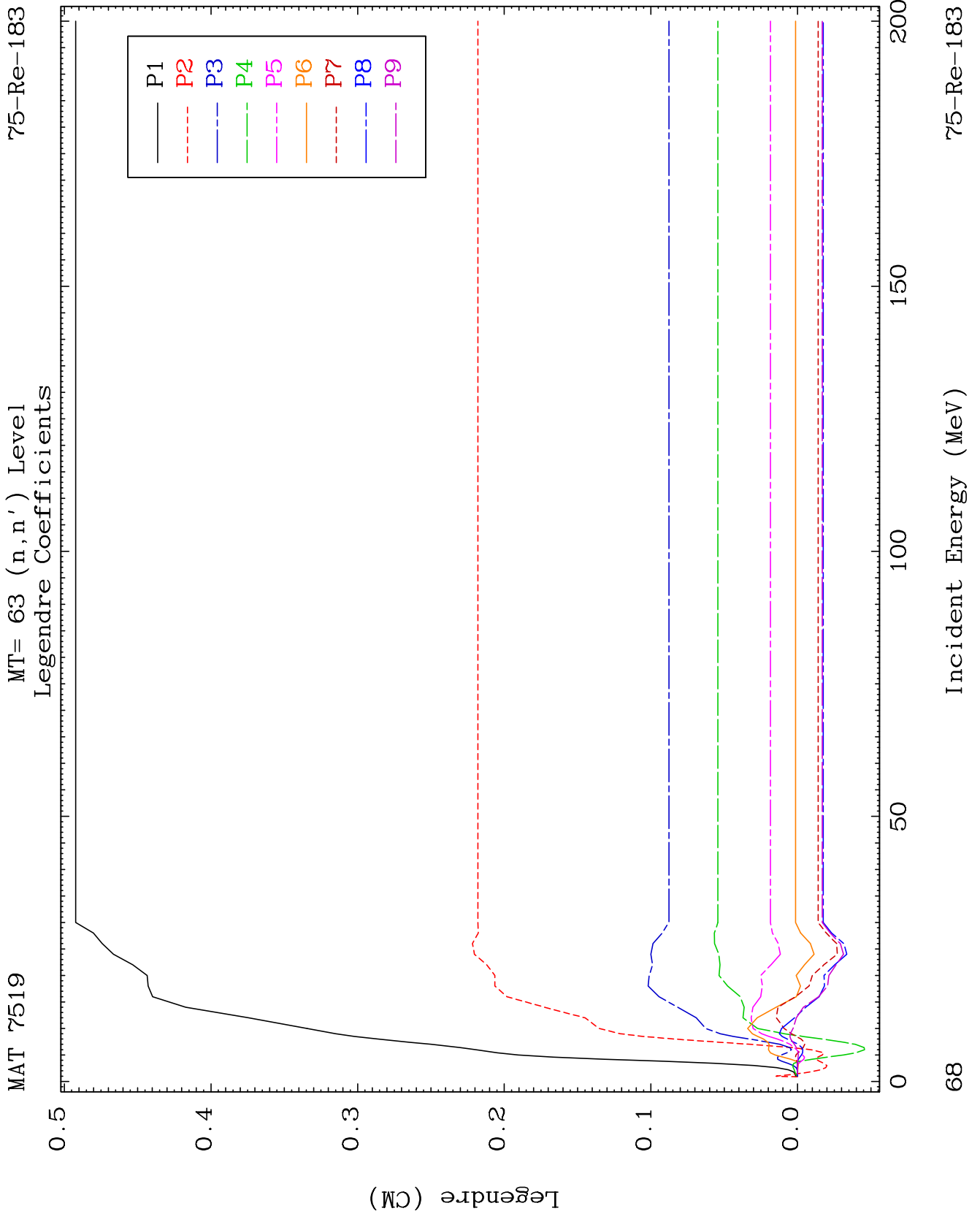
75-Re-183

MAT 7519

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

75-Re-183

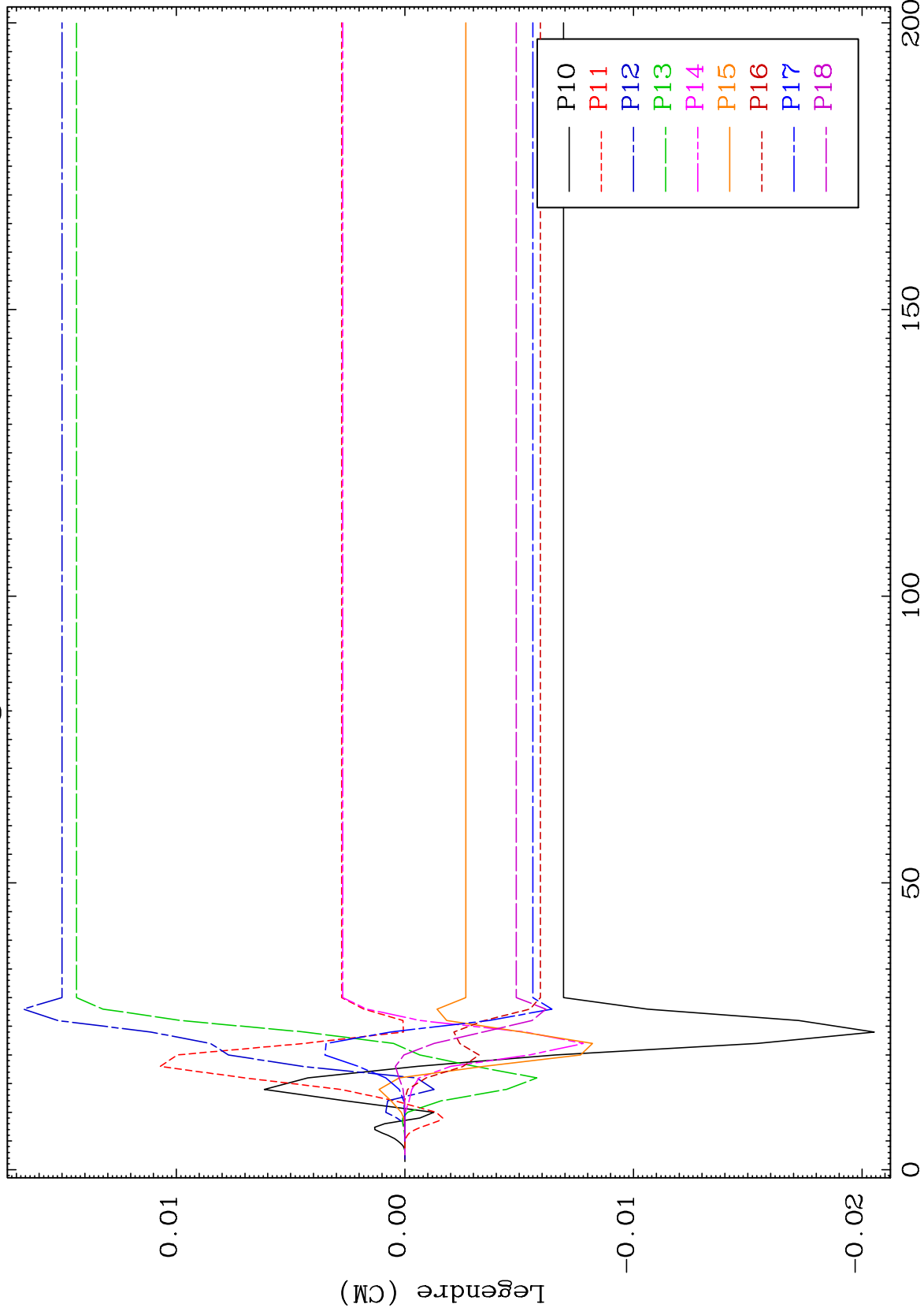




MAT 7519

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

75-Re-183



69

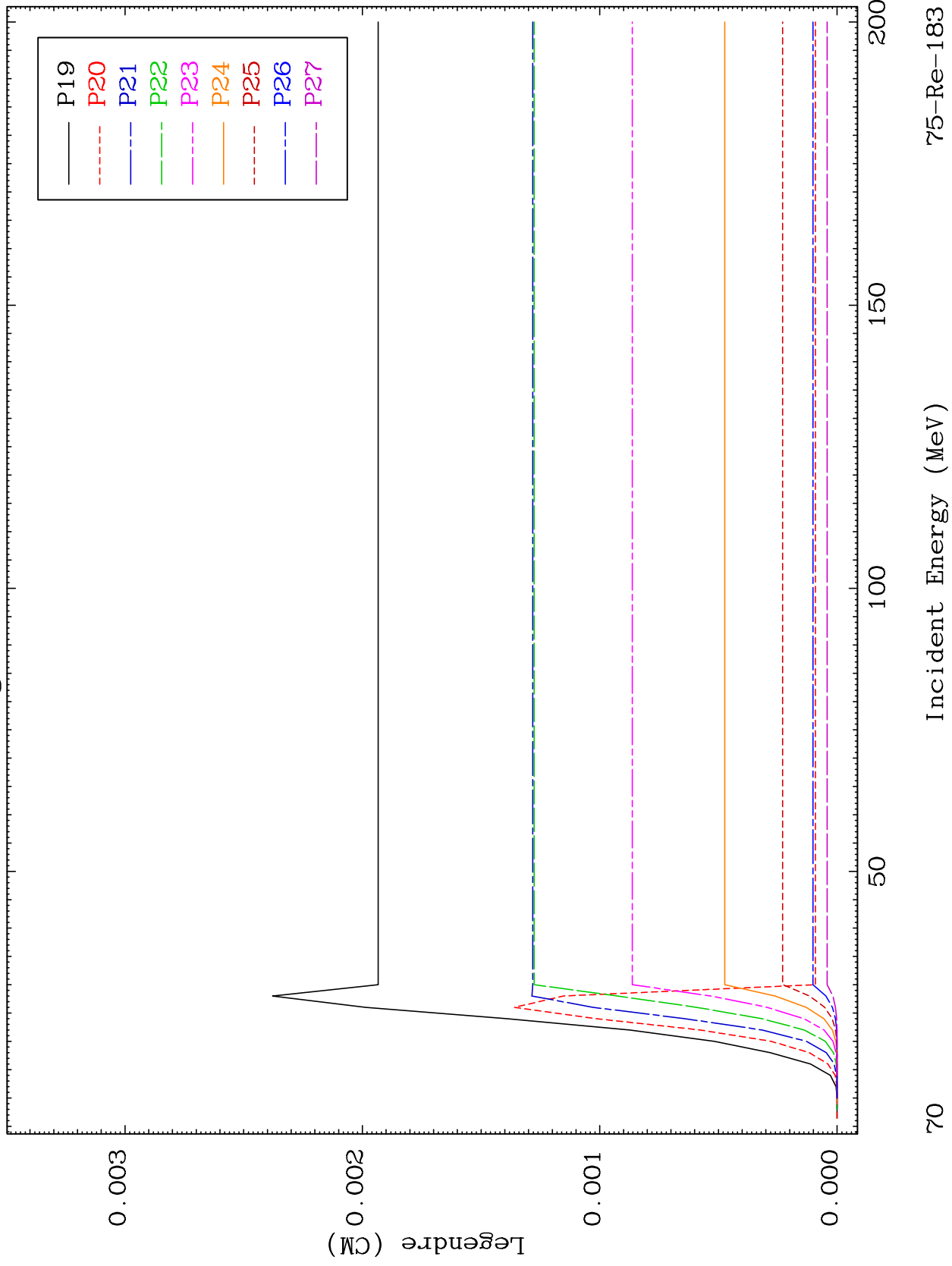
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



70

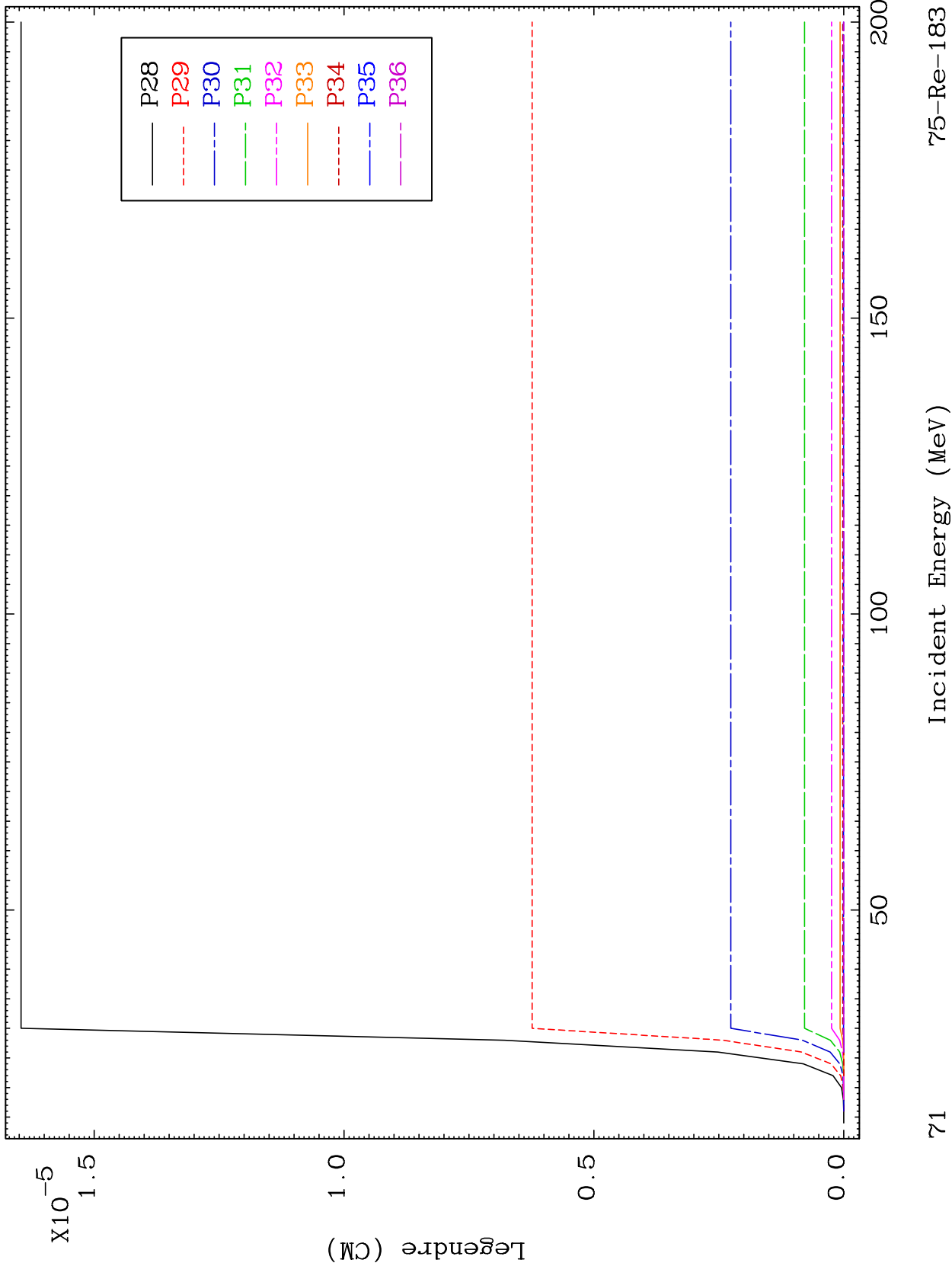
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



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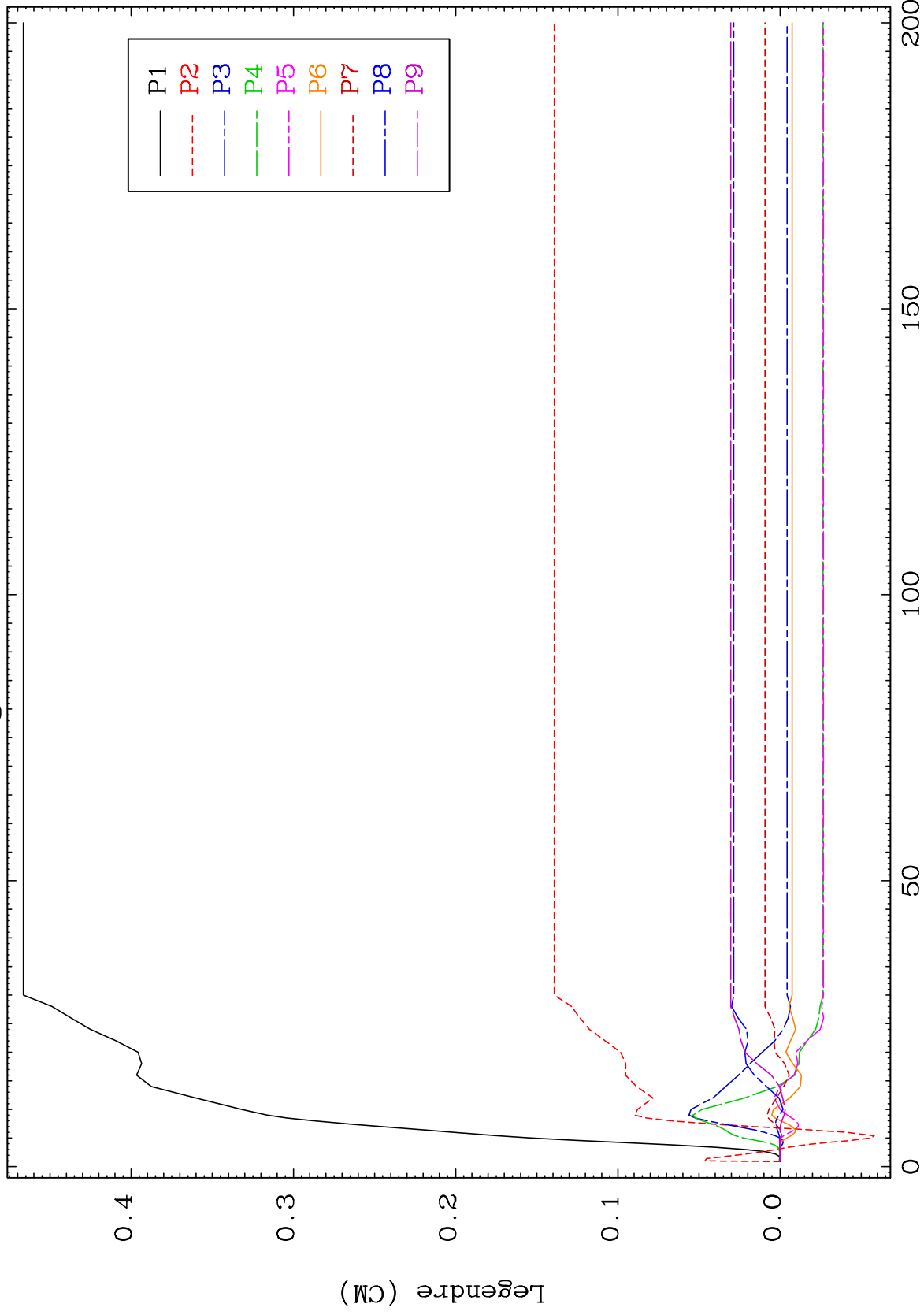
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



72

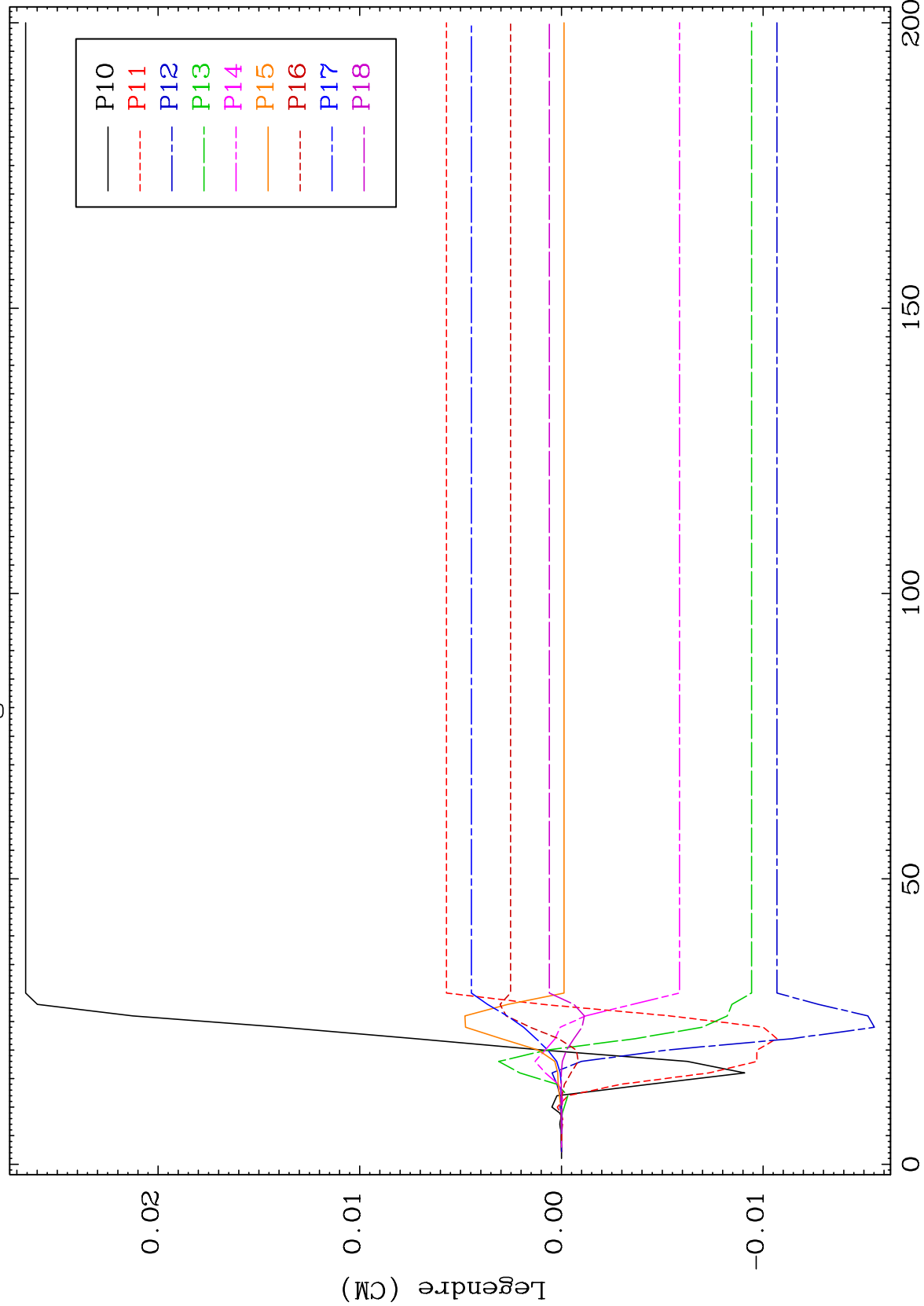
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



73

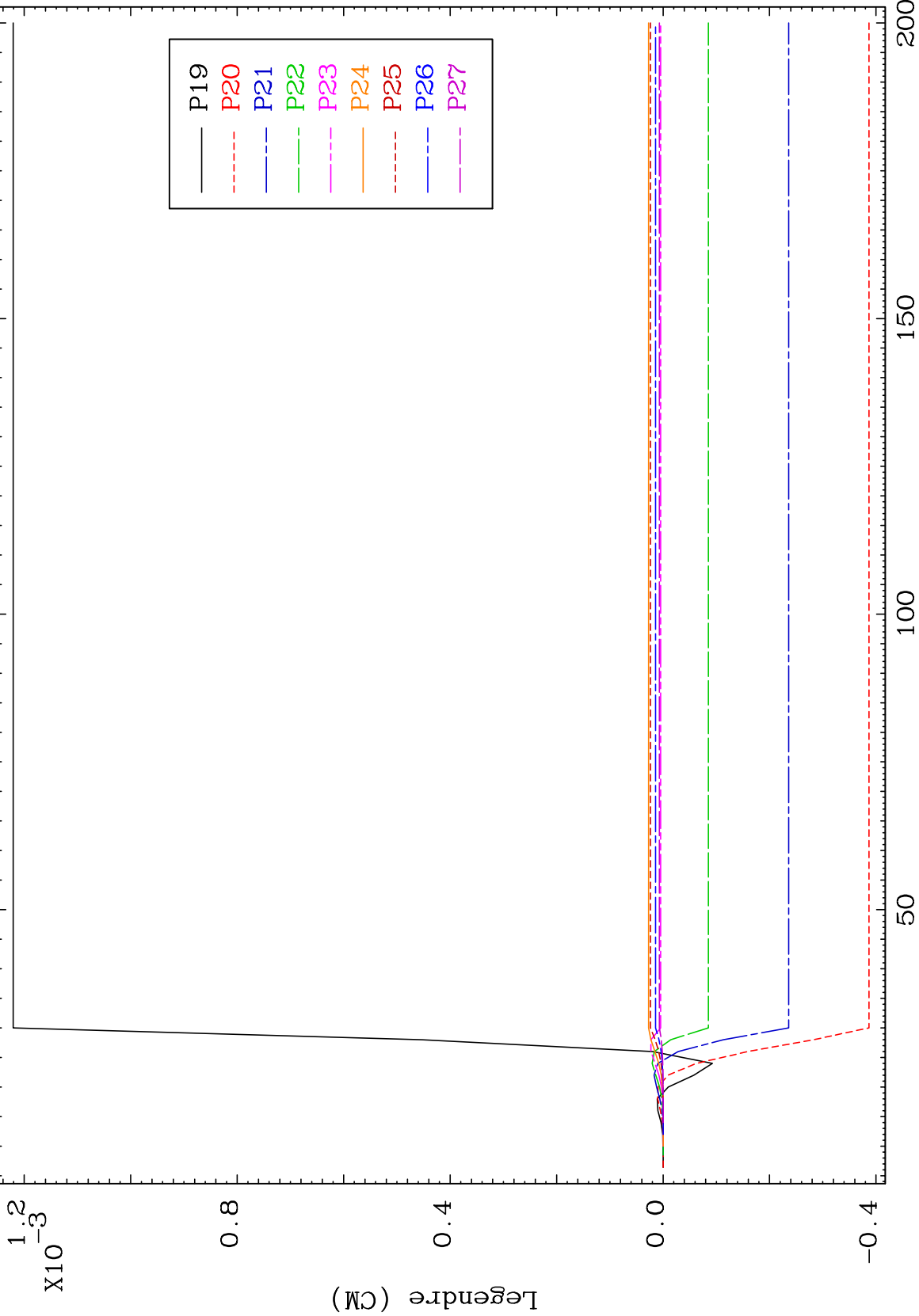
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



74

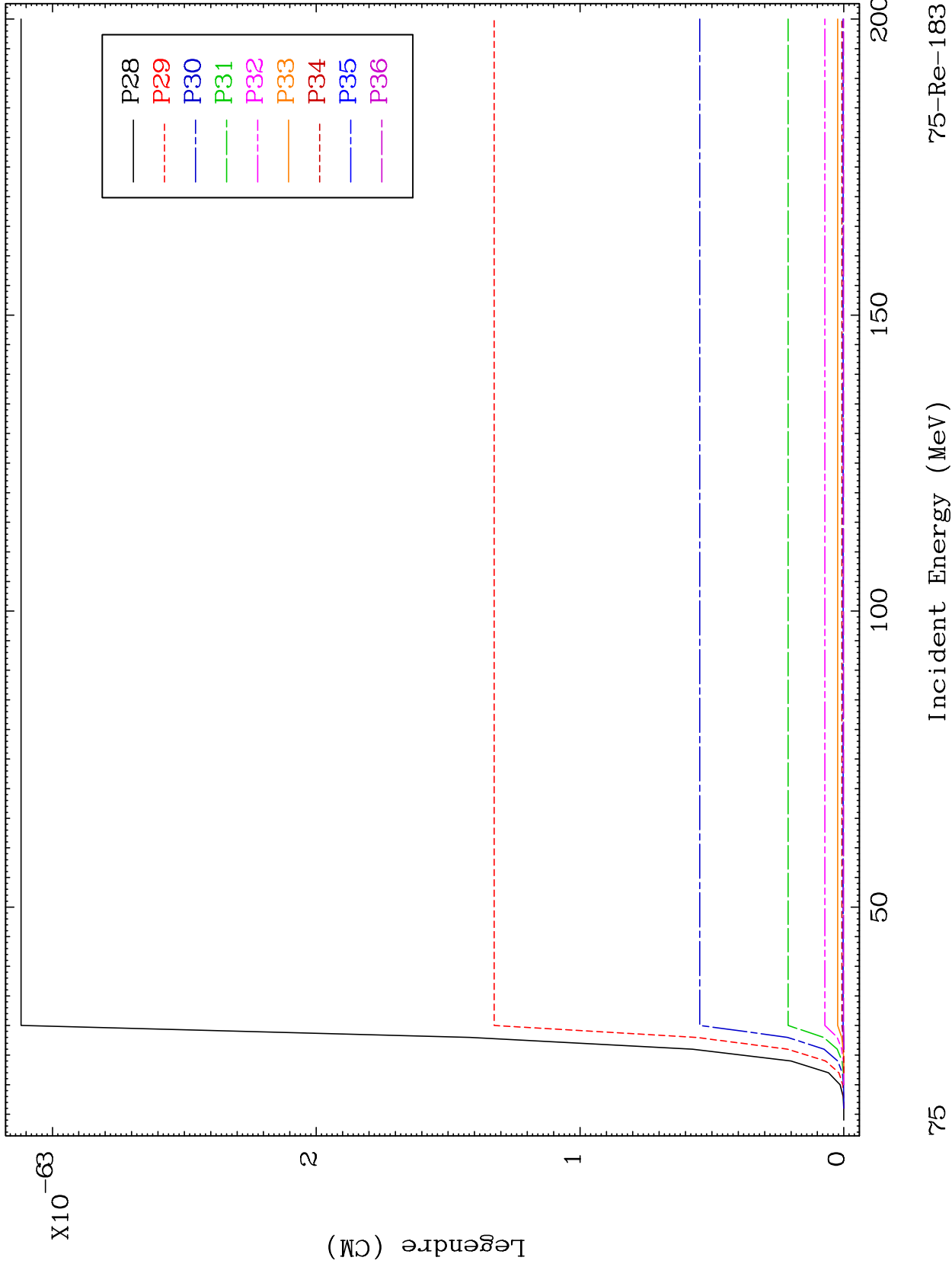
Incident Energy (MeV)

75-Re-183

MAT 7519

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

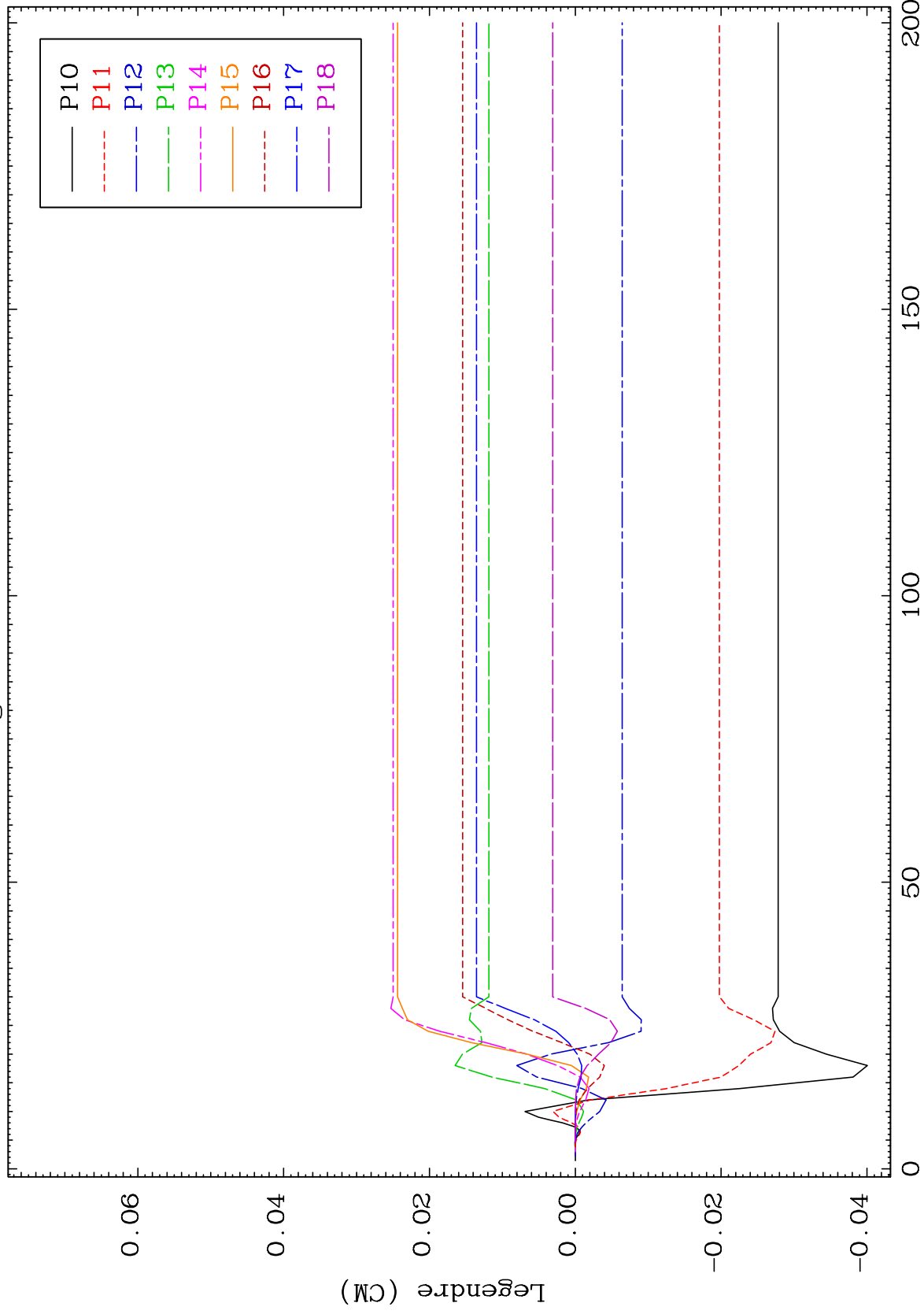
75-Re-183



MAT 7519

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

75-Re-183



77

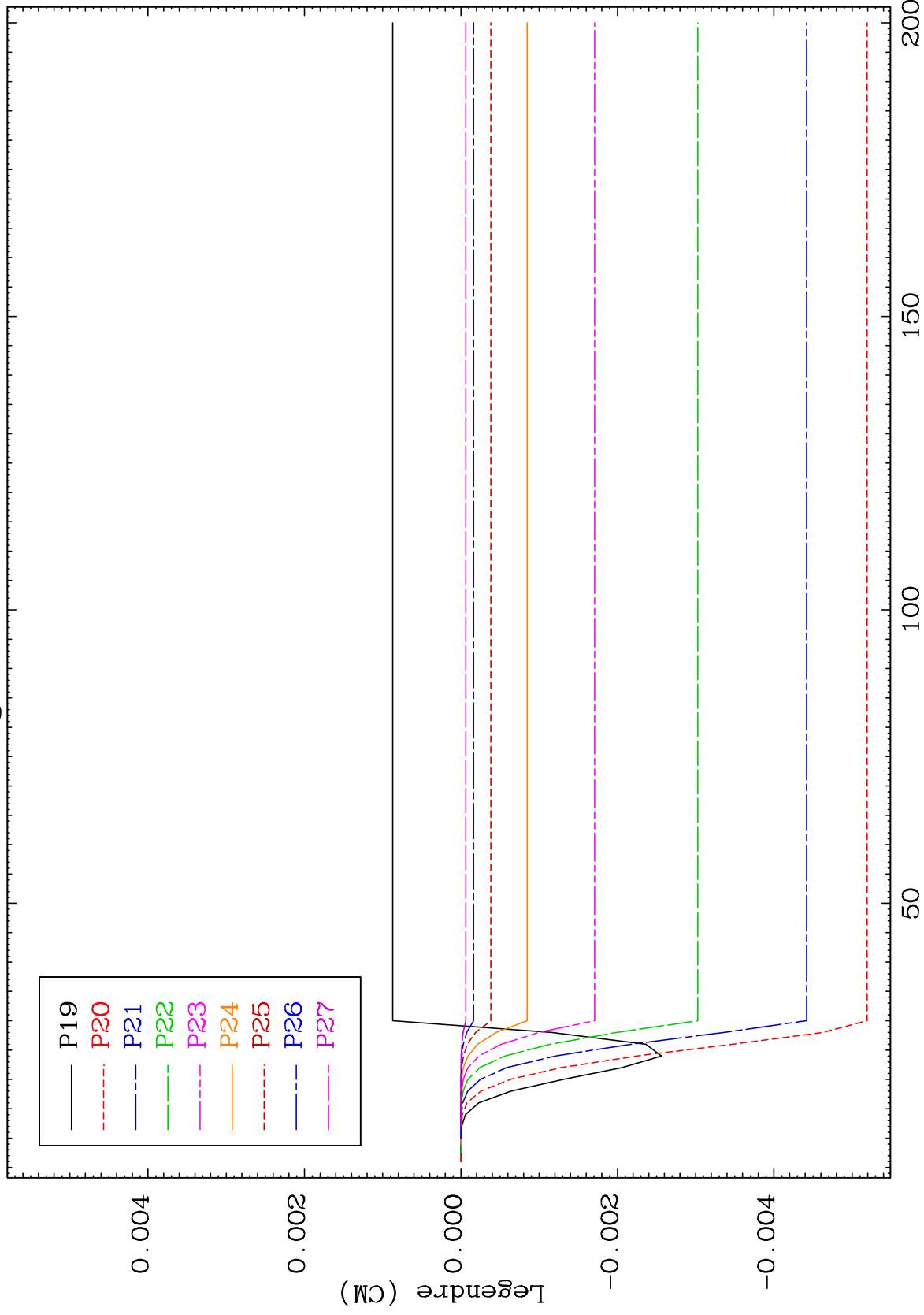
Incident Energy (MeV)

75-Re-183

MAT 7519

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

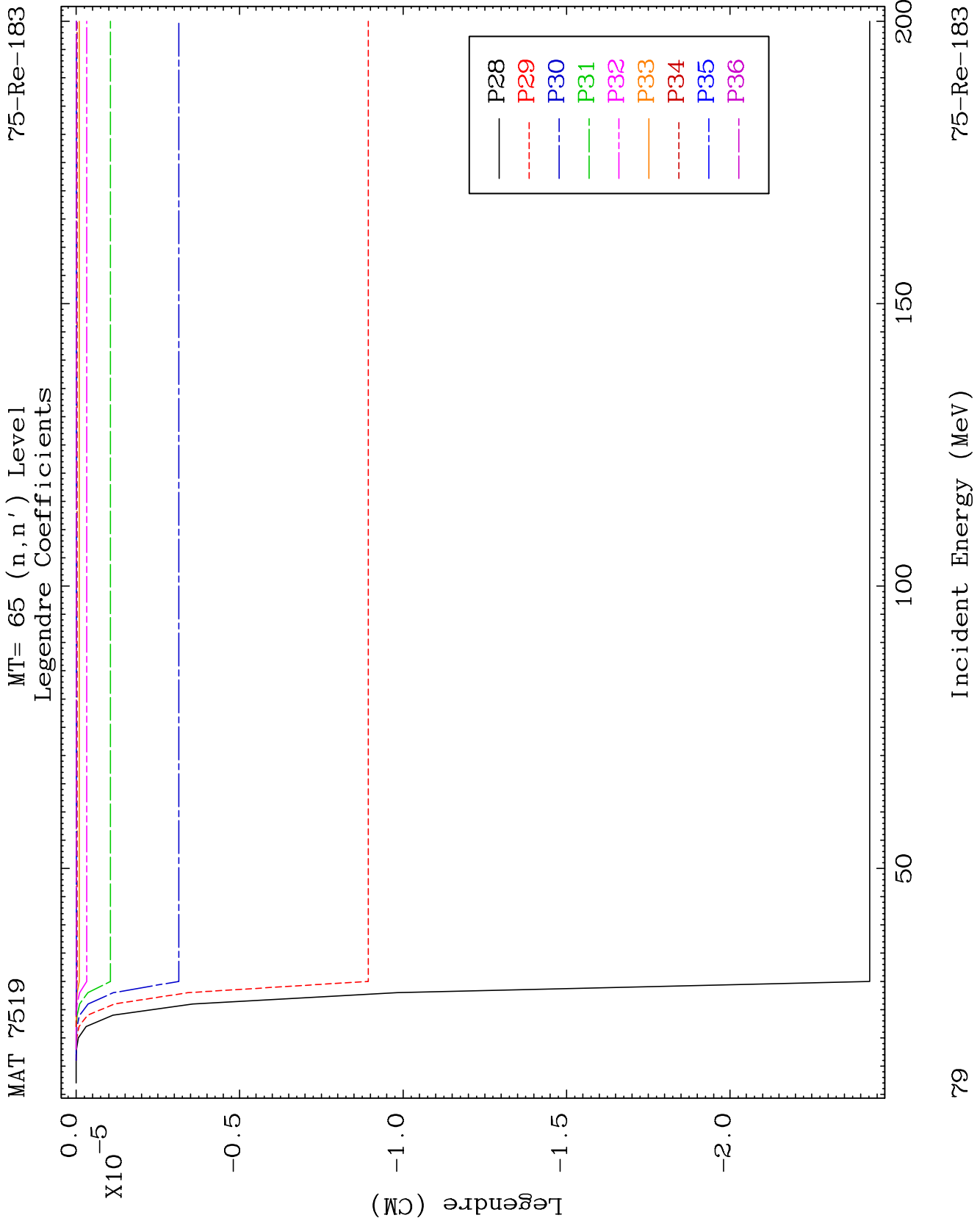
75-Re-183



78

Incident Energy (MeV)

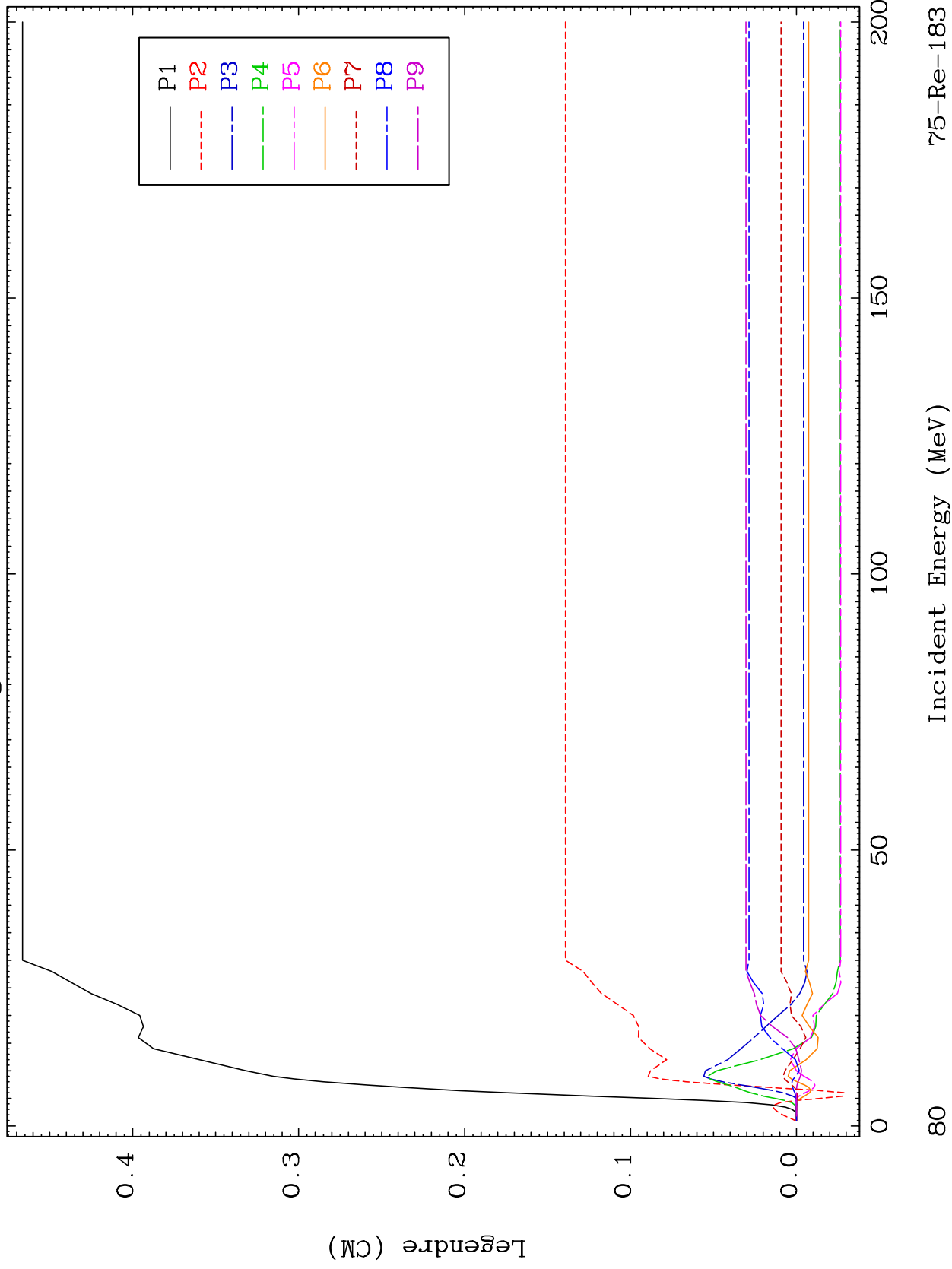
75-Re-183



MAT 7519

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

75-Re-183

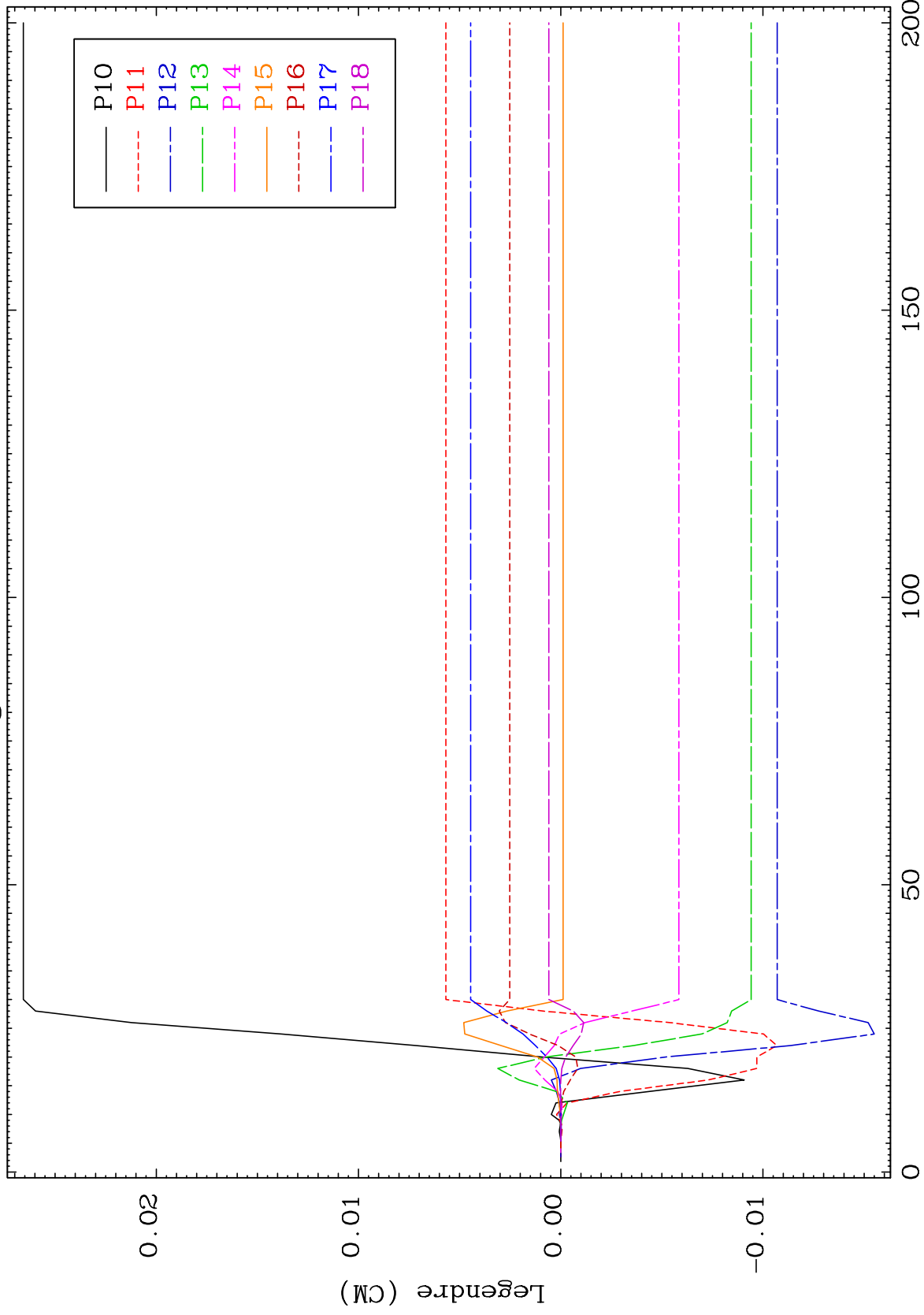


75-Re-183

MAT 7519

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

75-Re-183



81

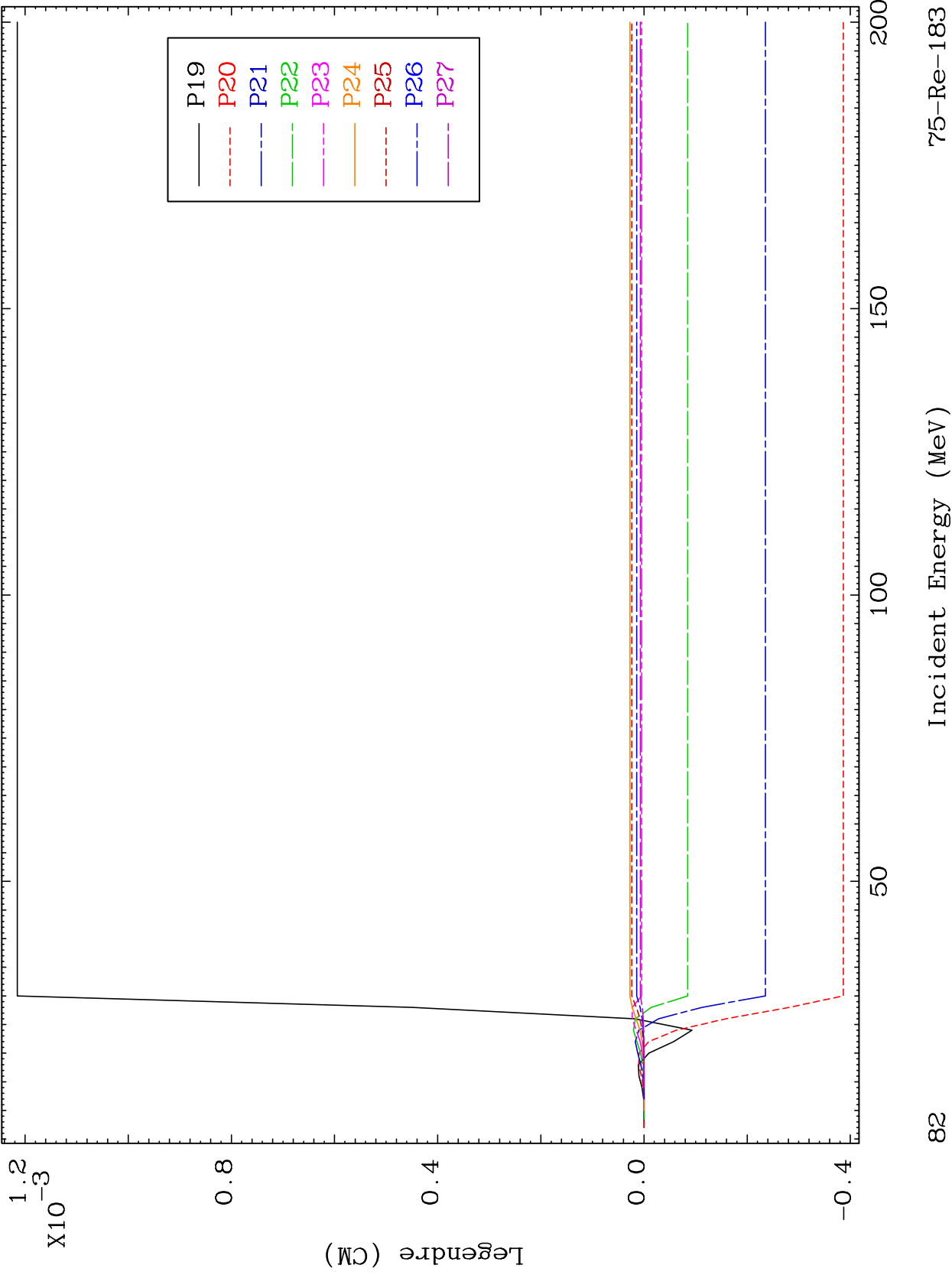
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



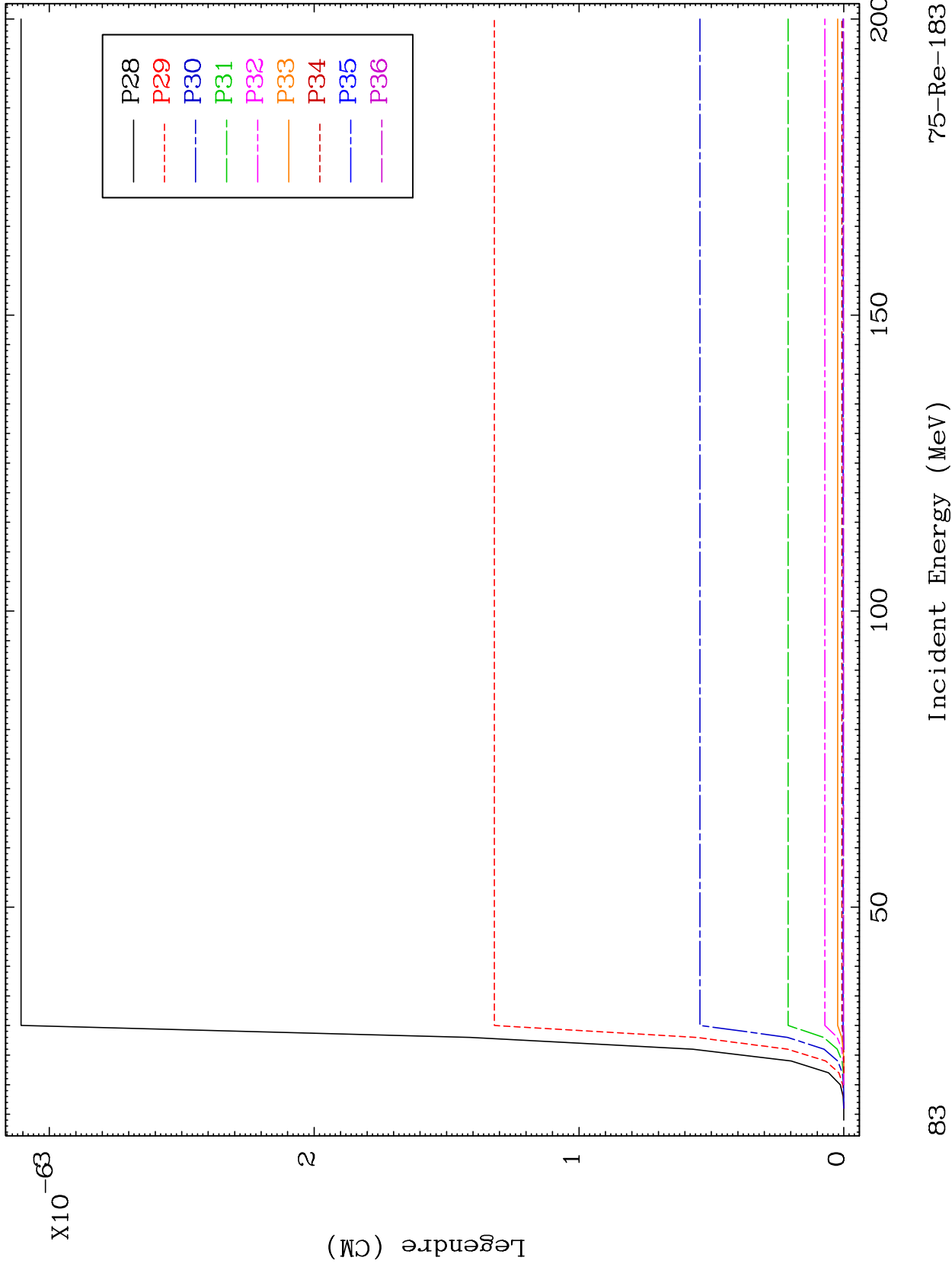
82

75-Re-183

MAT 7519

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

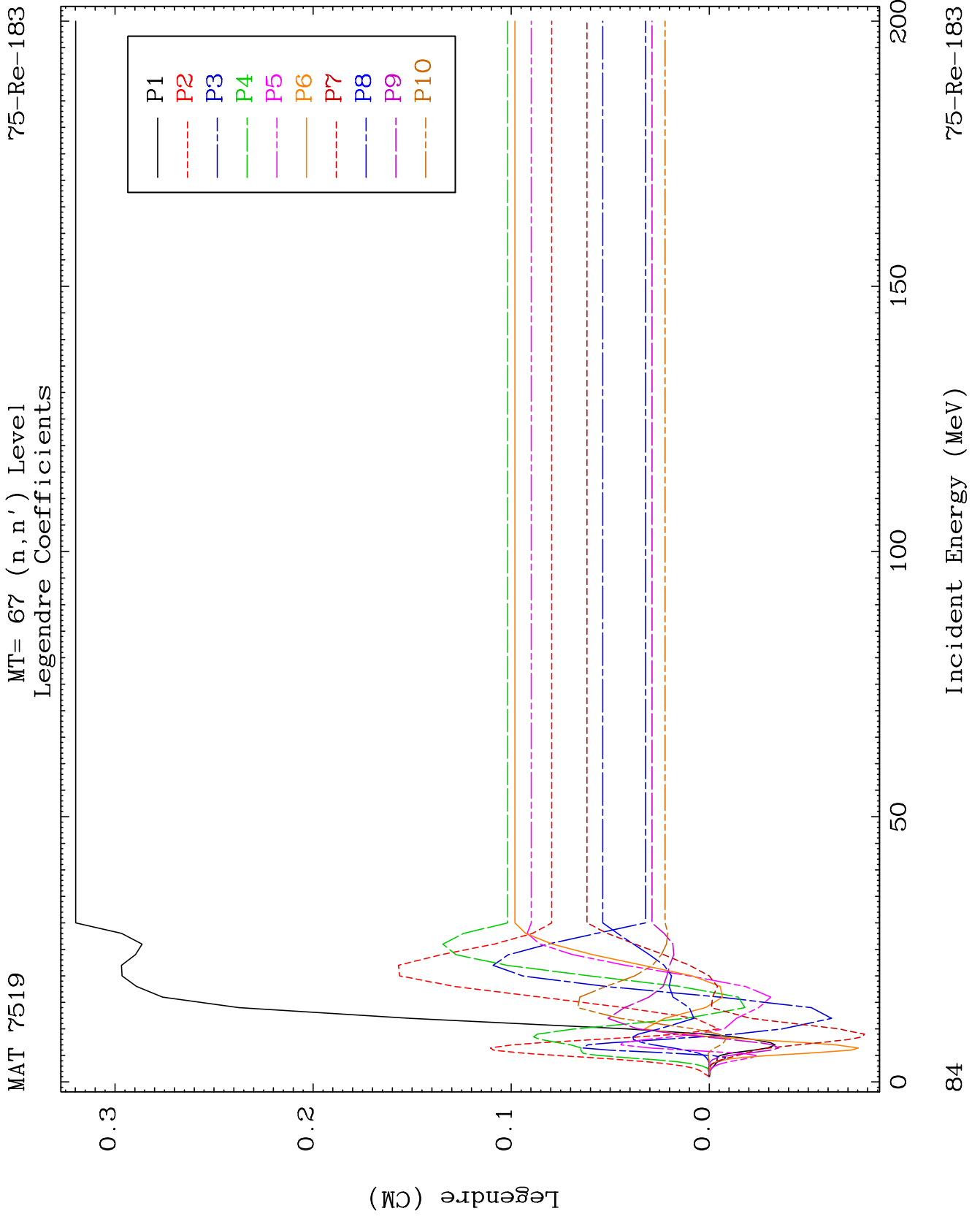
75-Re-183

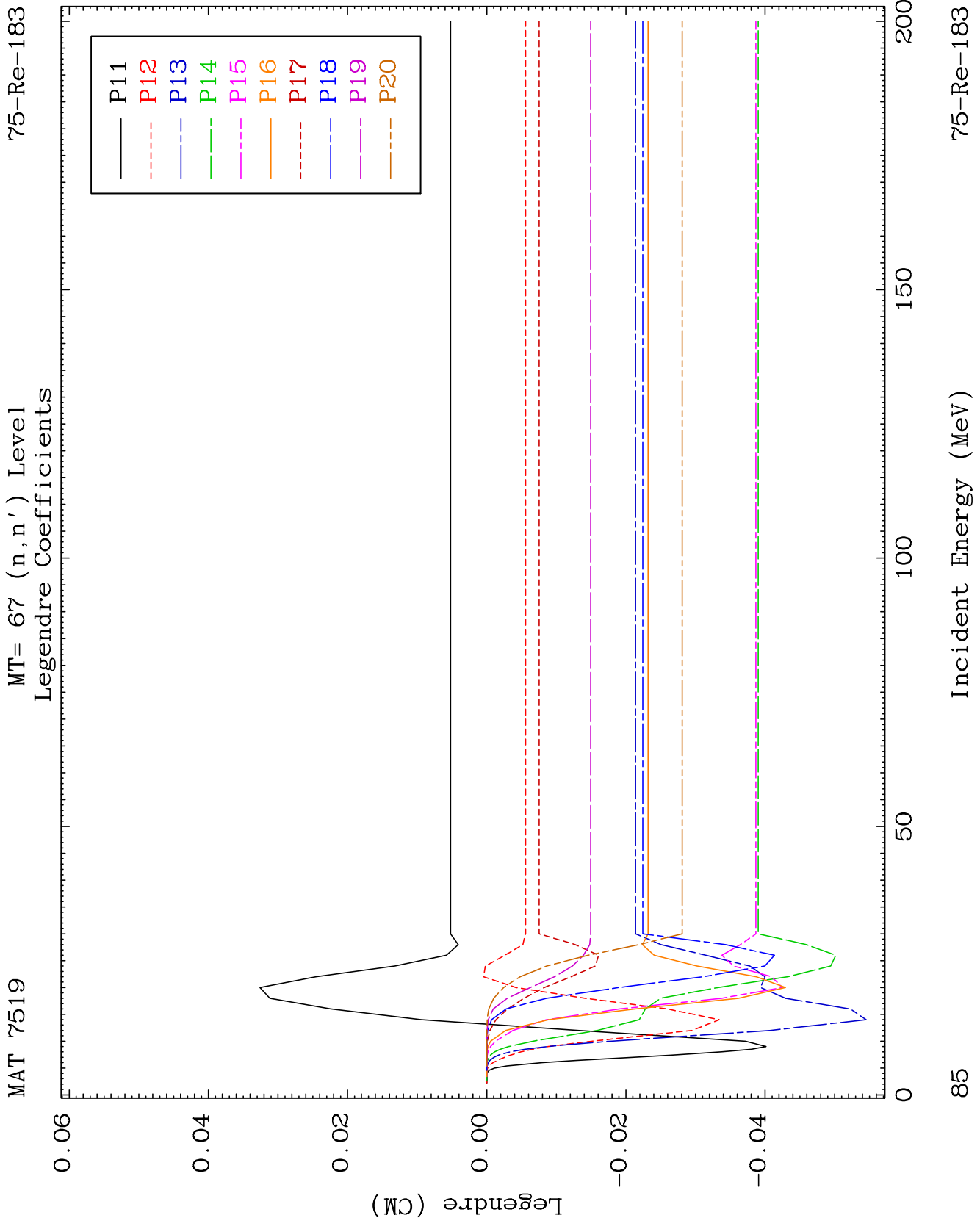


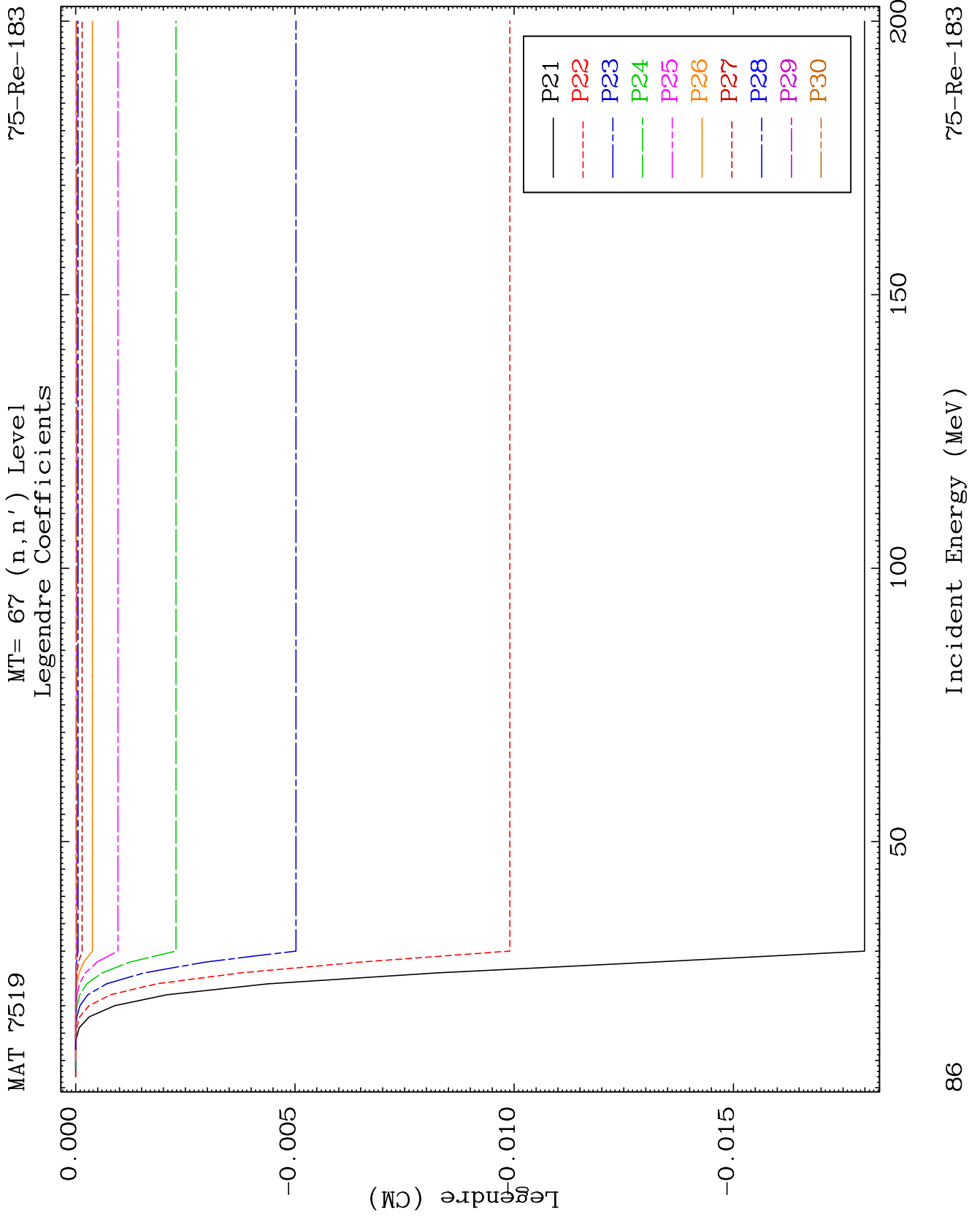
83

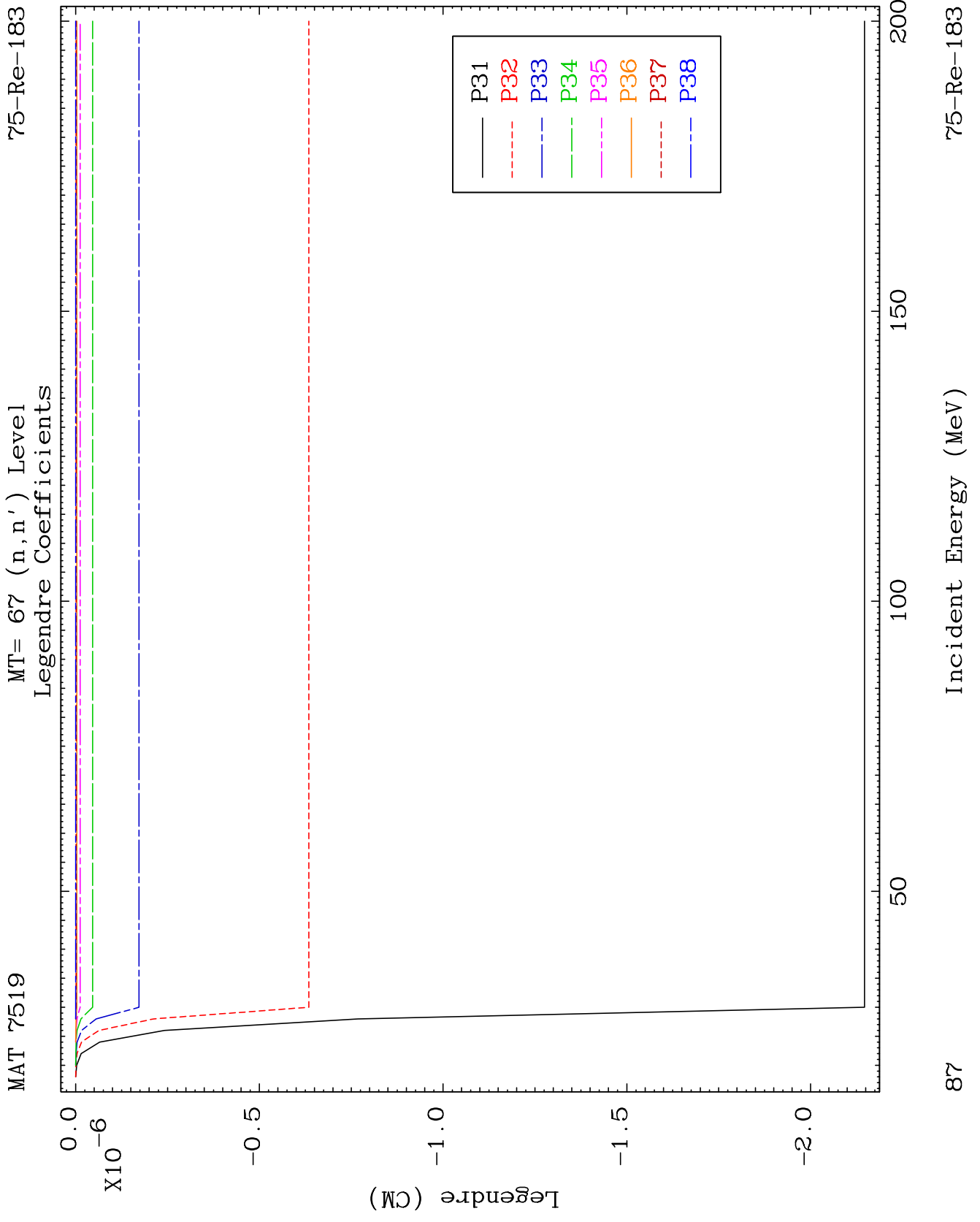
Incident Energy (MeV)

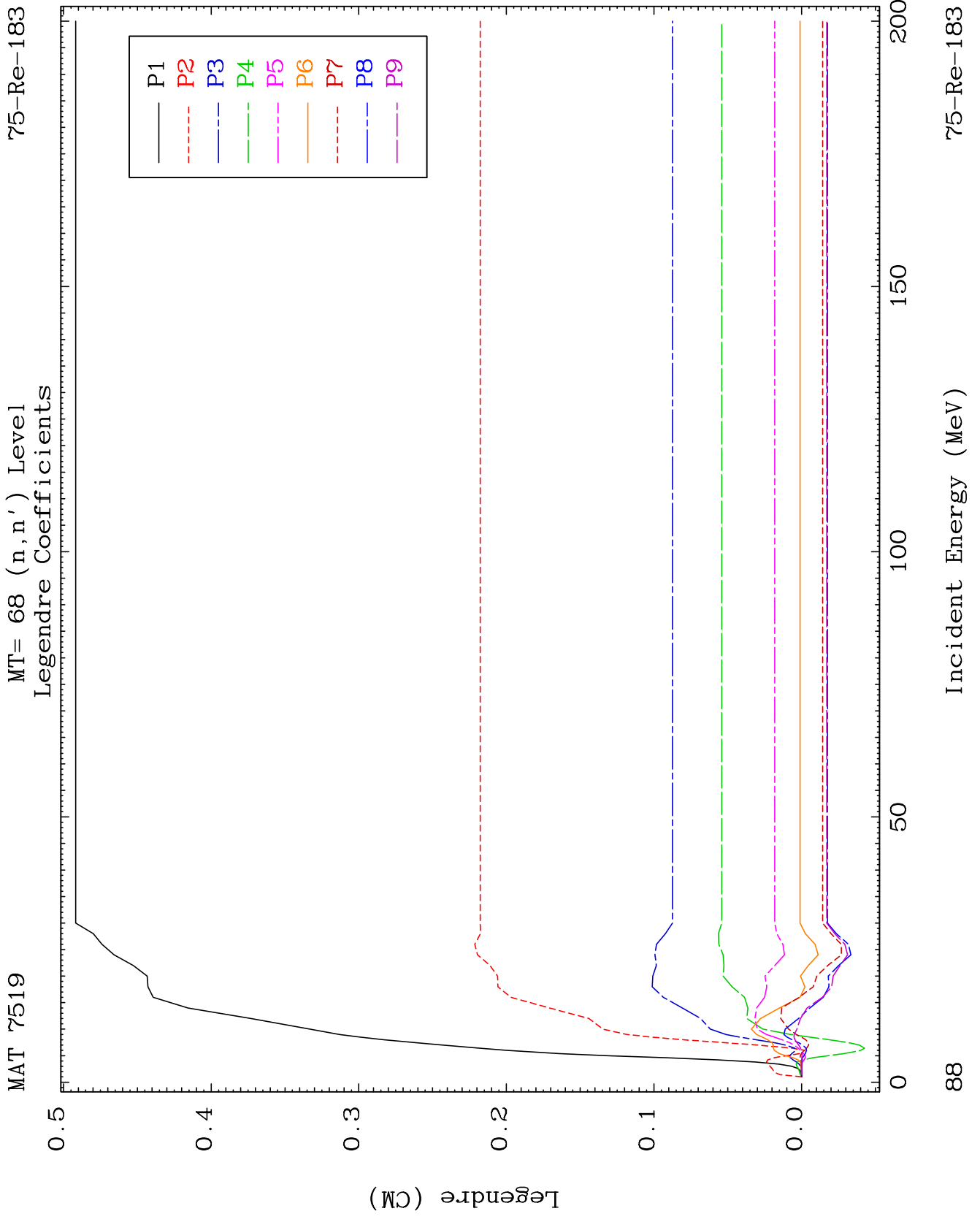
75-Re-183







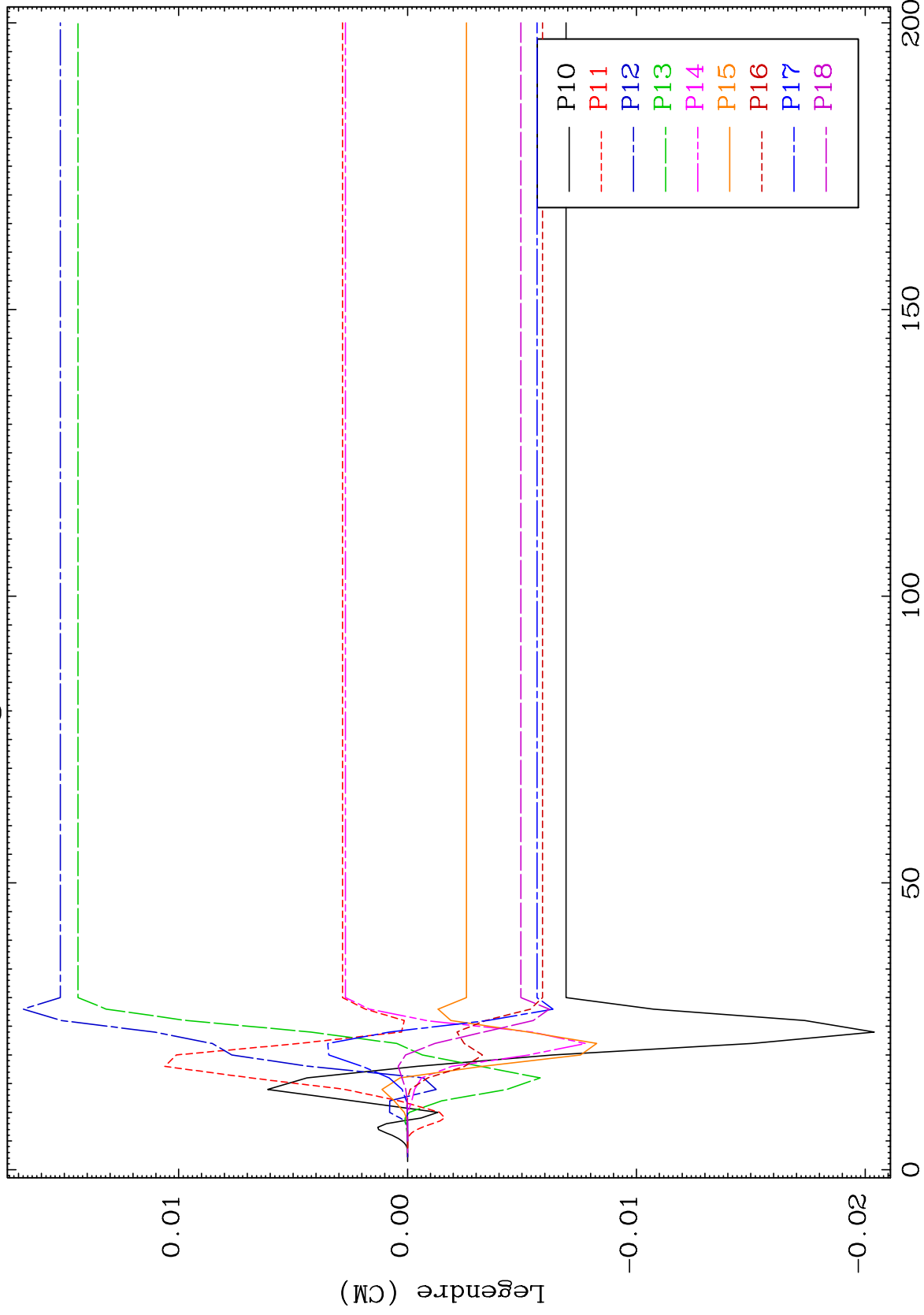




MAT 7519

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

75-Re-183



89

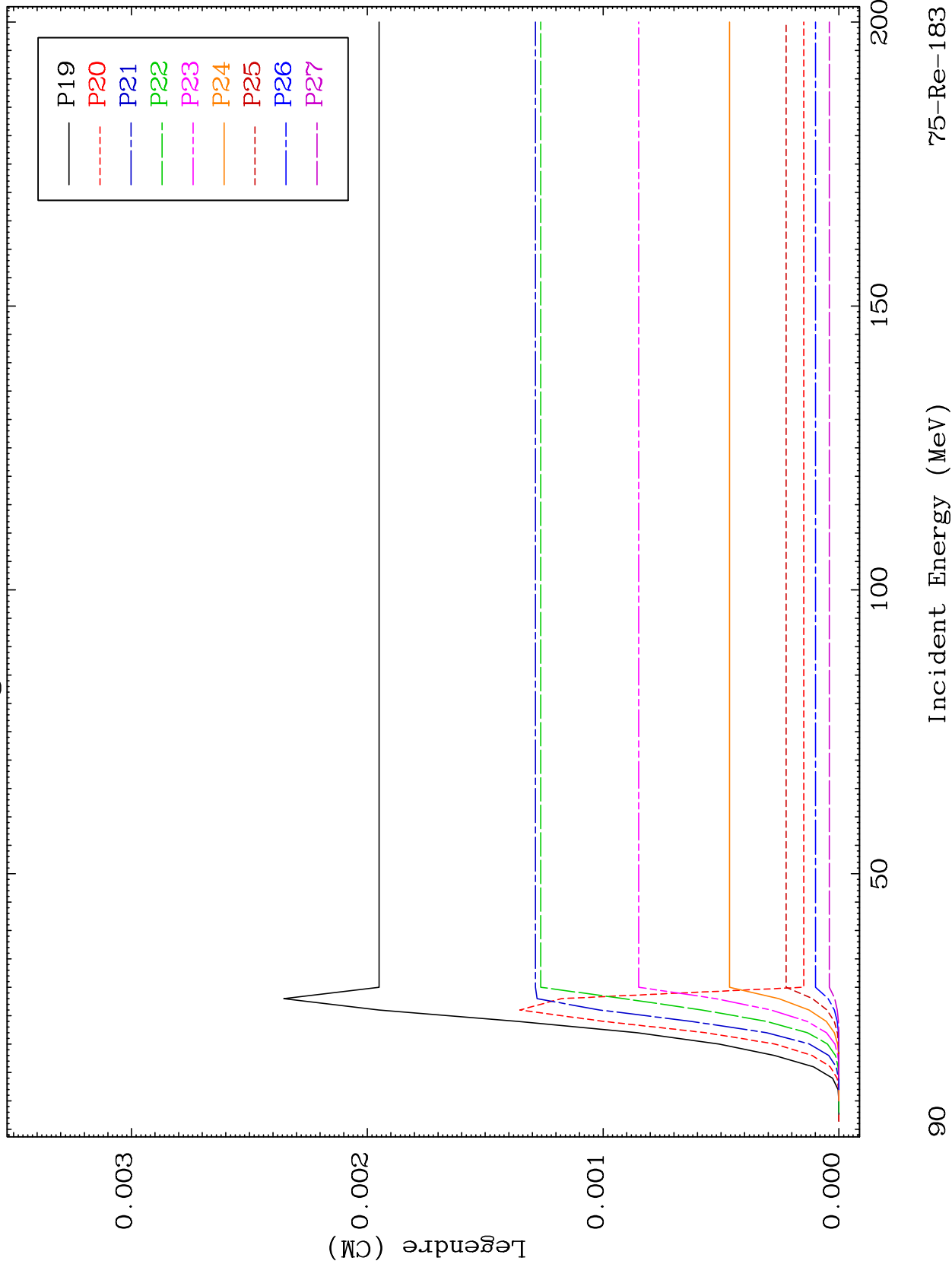
Incident Energy (MeV)

75-Re-183

MAT 7519

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

75-Re-183



90

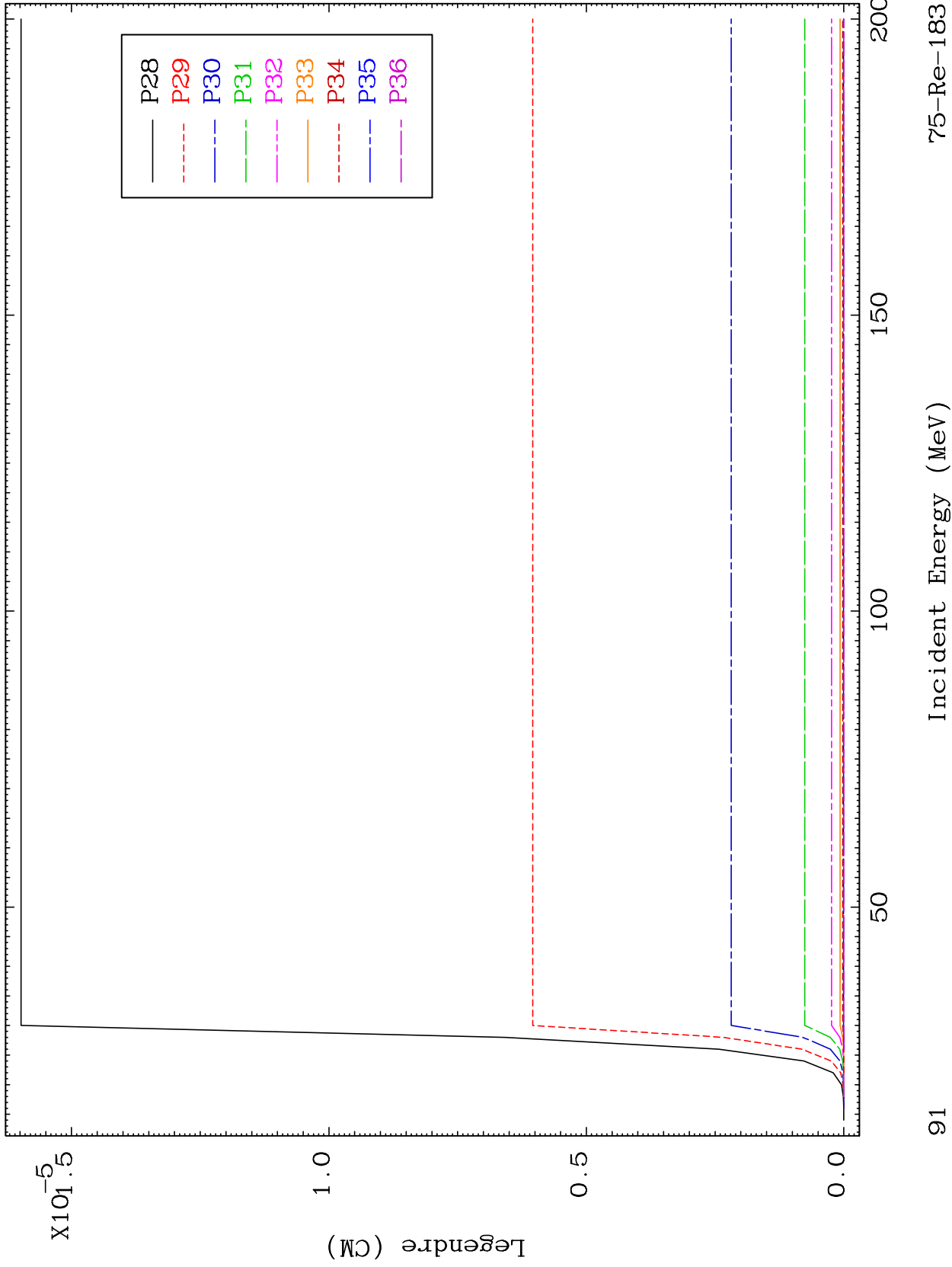
Incident Energy (MeV)

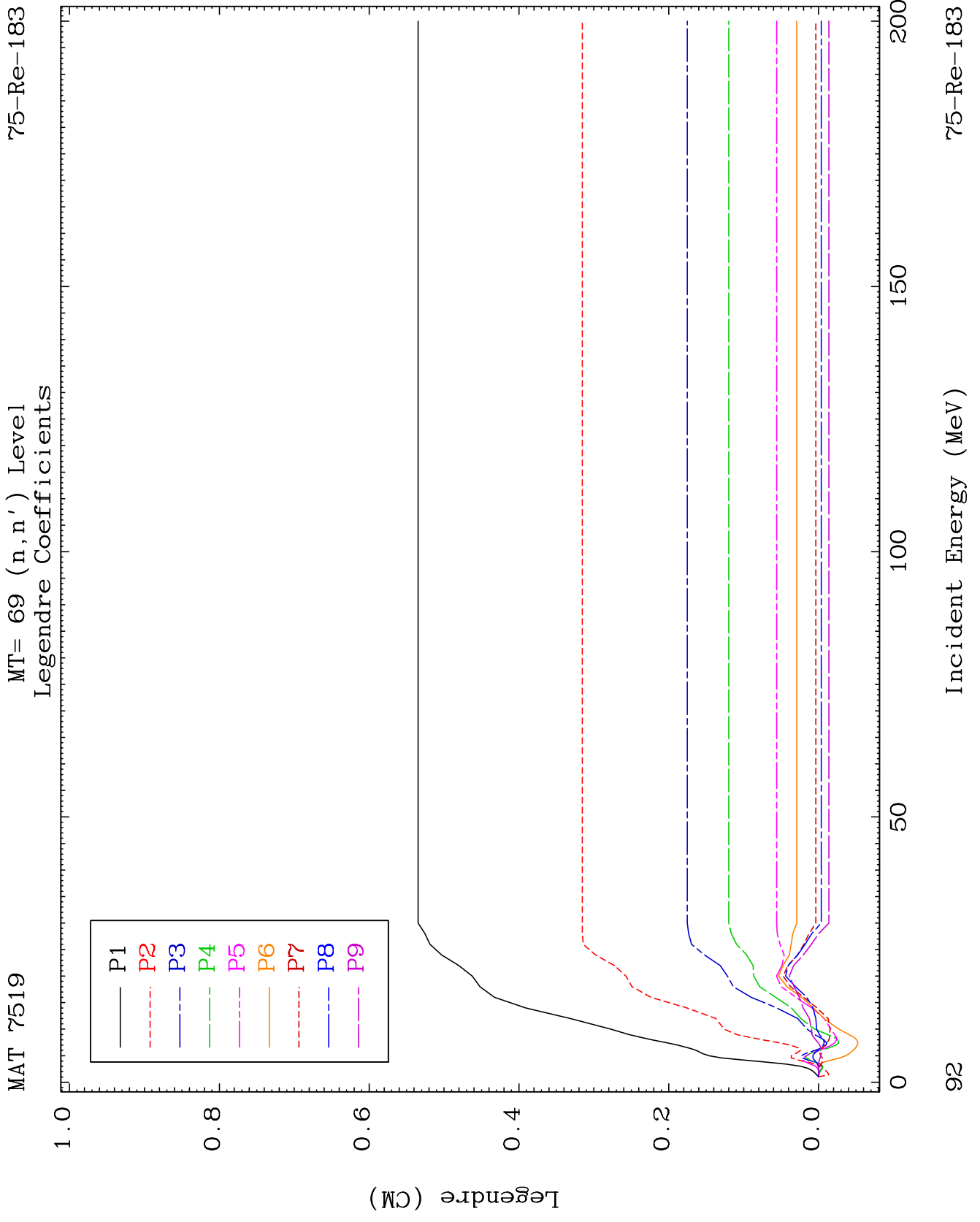
75-Re-183

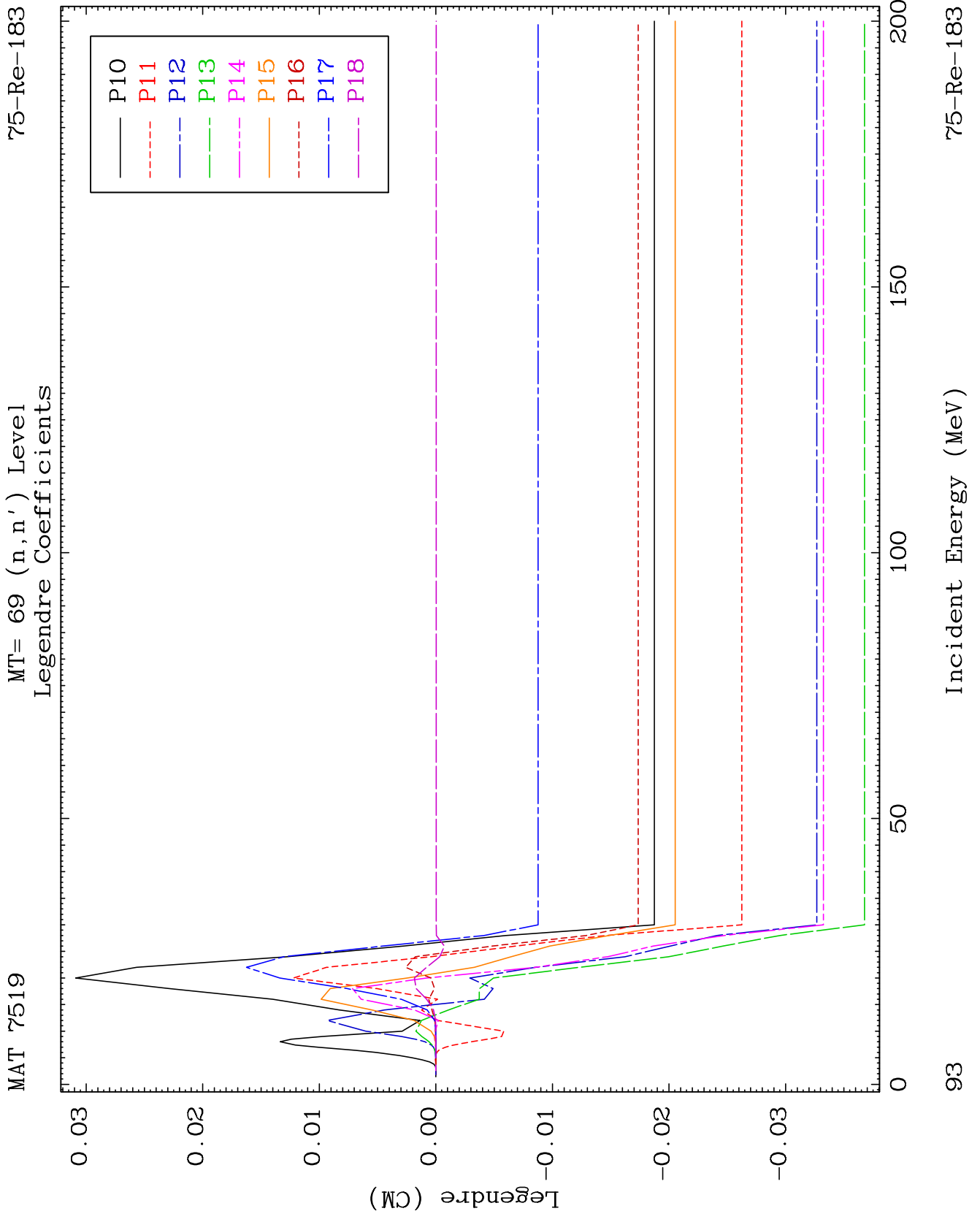
MAT 7519

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

75-Re-183



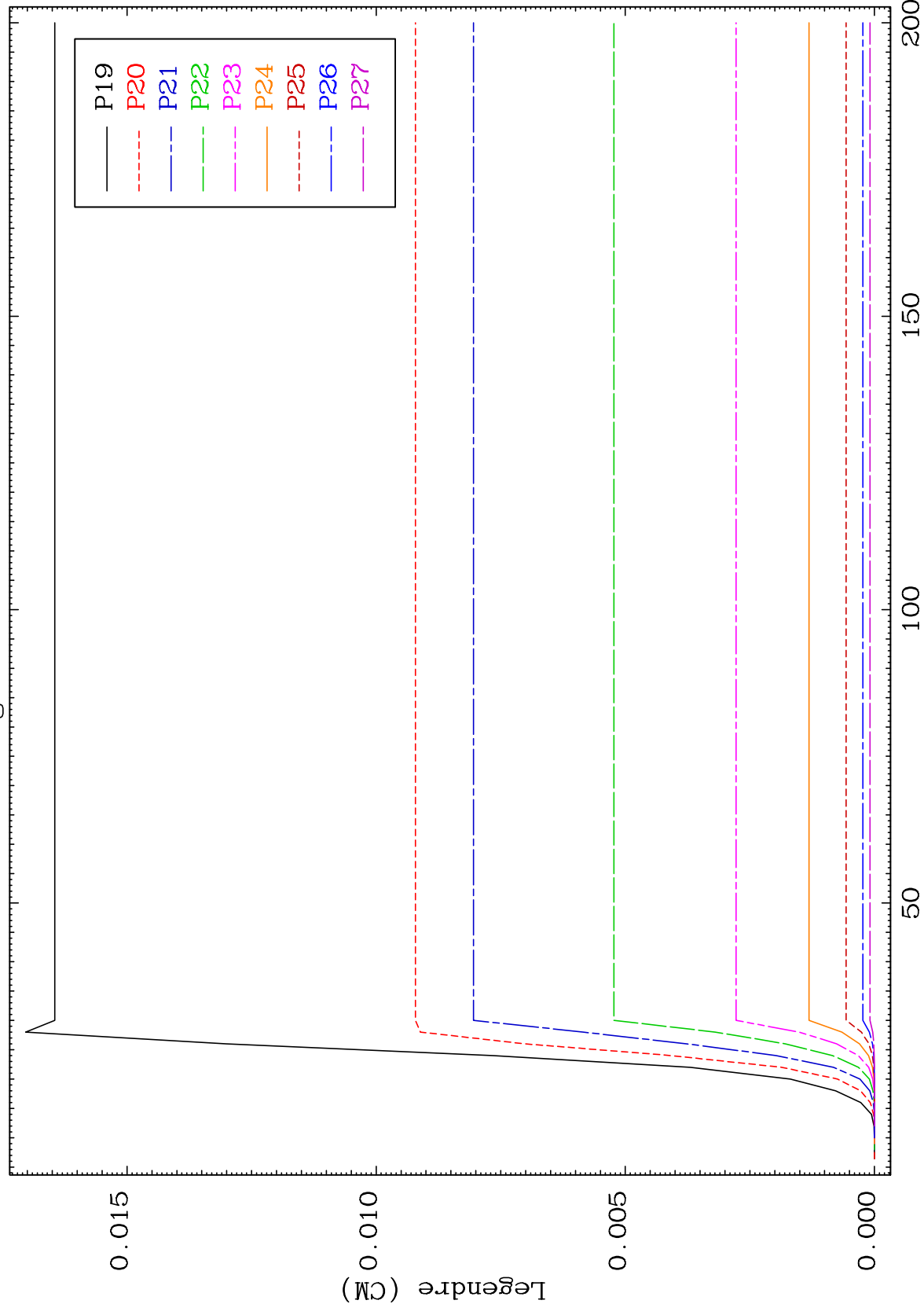




MAT 7519

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

75-Re-183



94

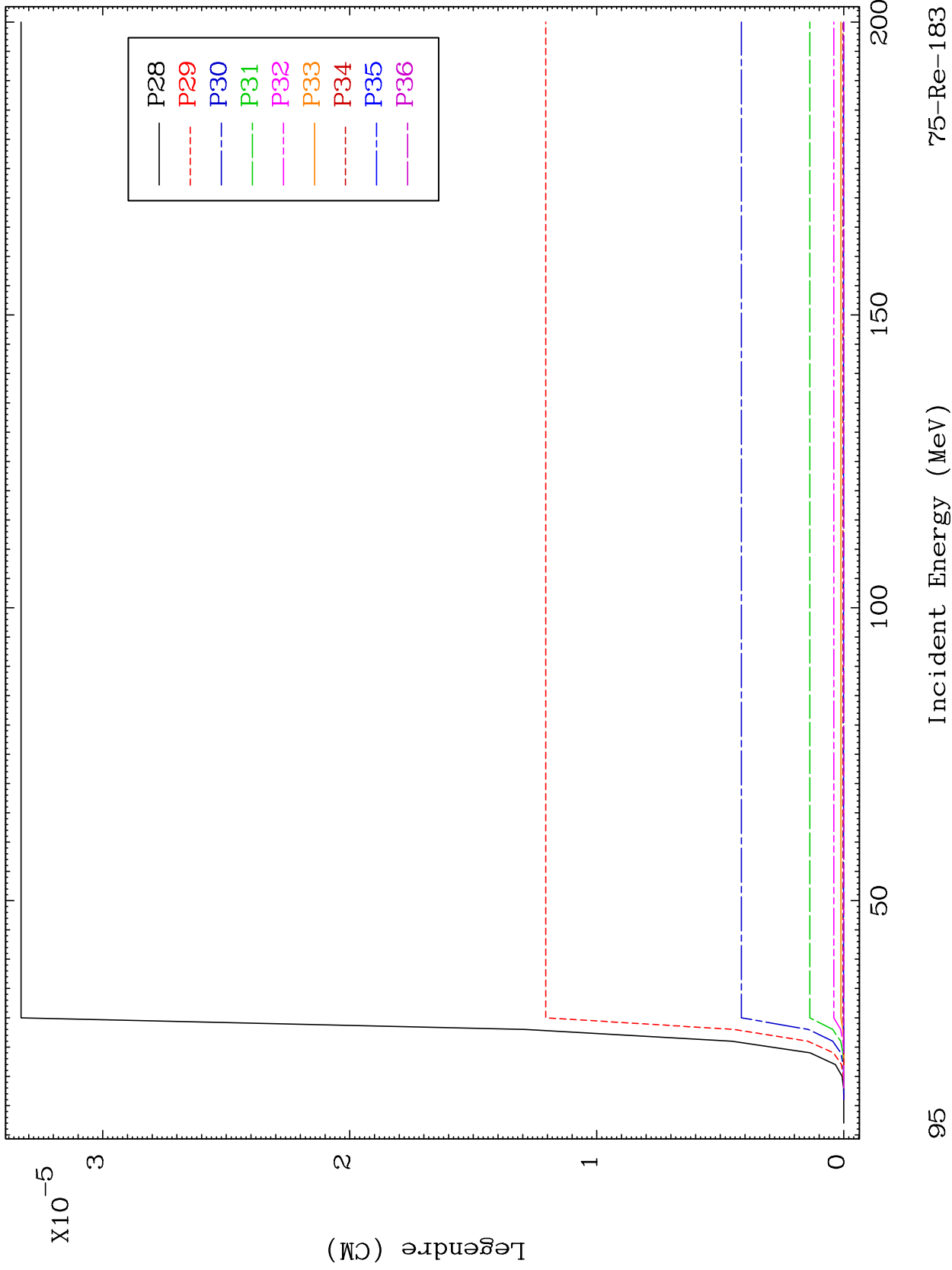
Incident Energy (MeV)

75-Re-183

MAT 7519

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

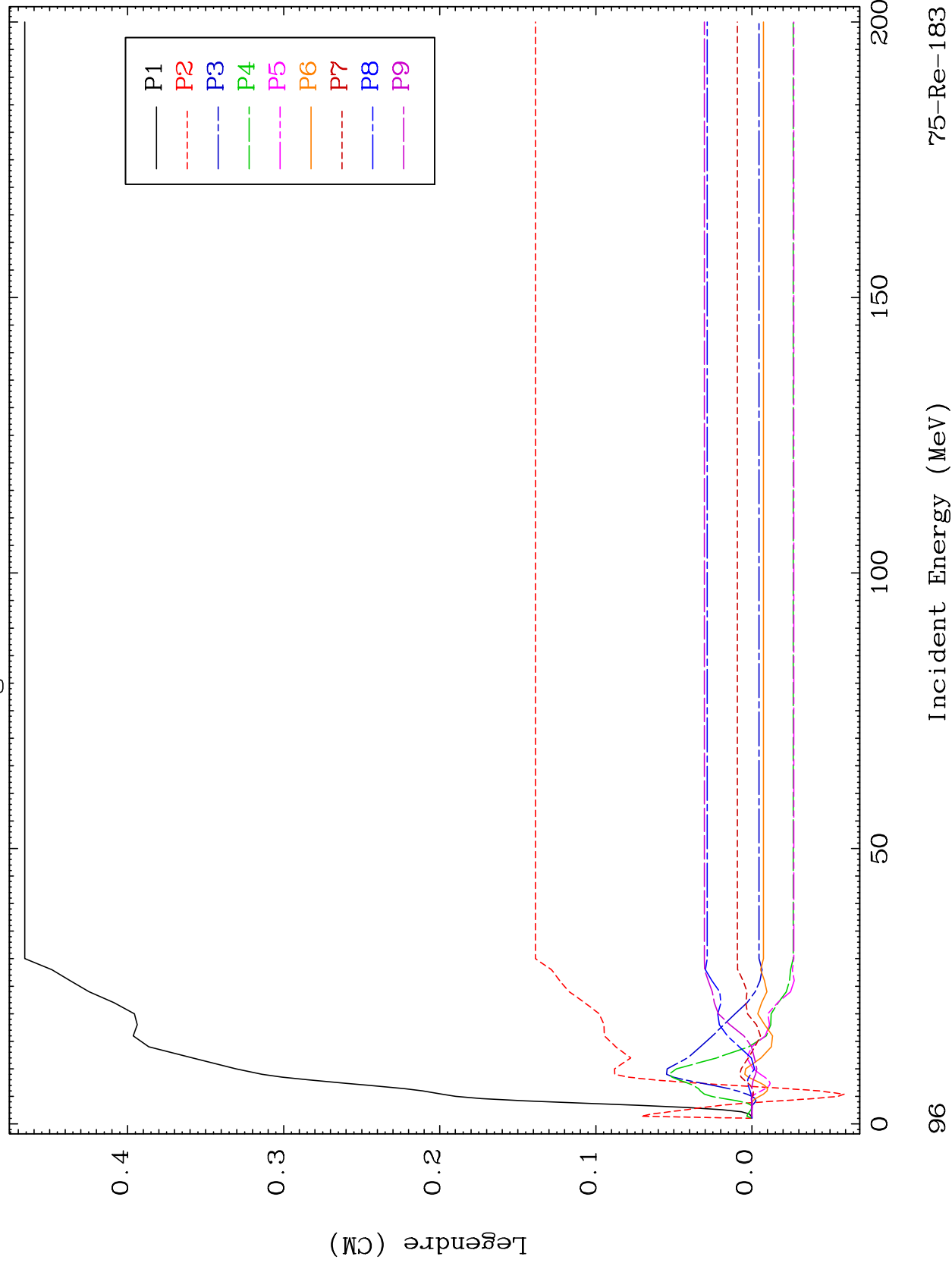
75-Re-183



MAT 7519

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

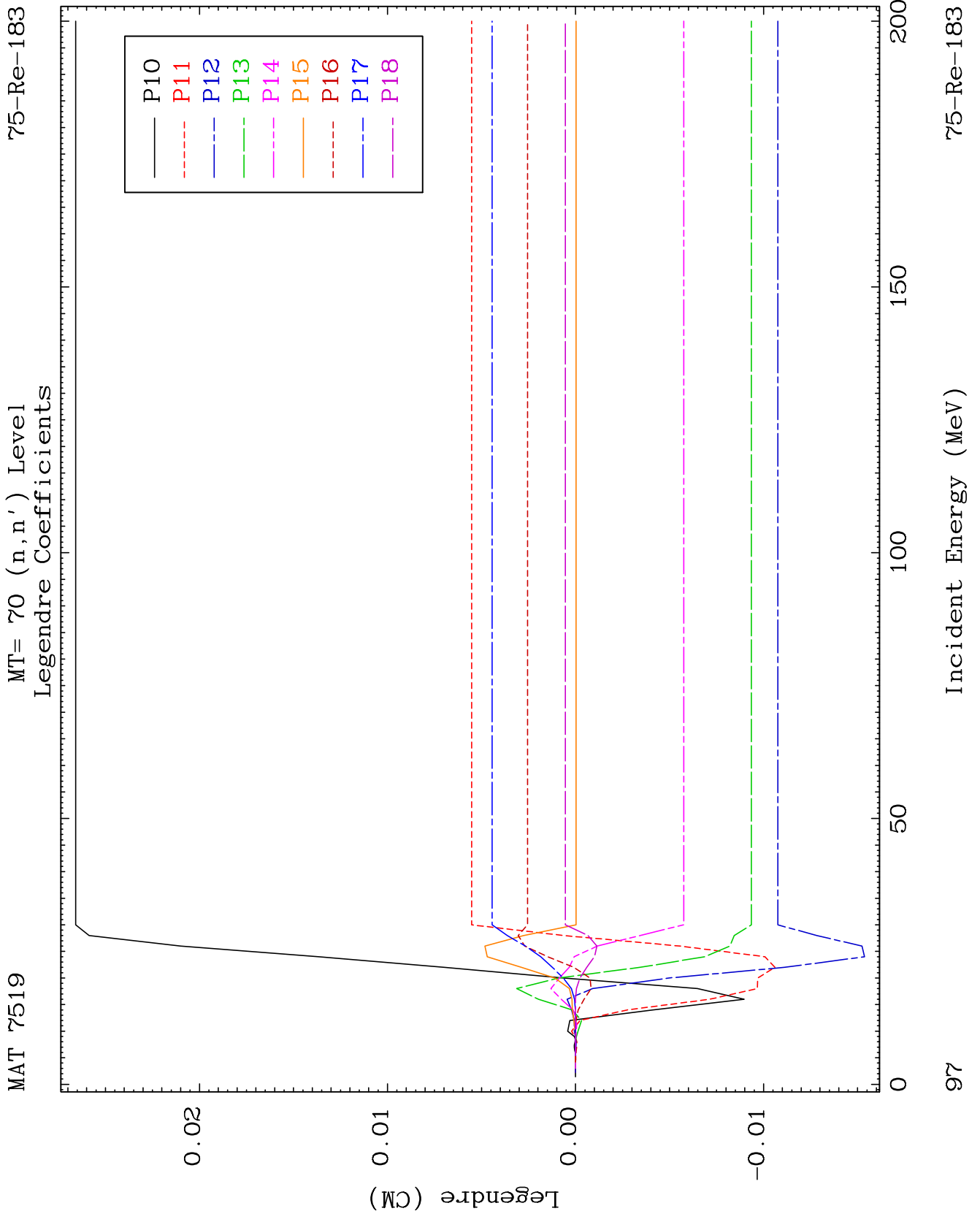
75-Re-183

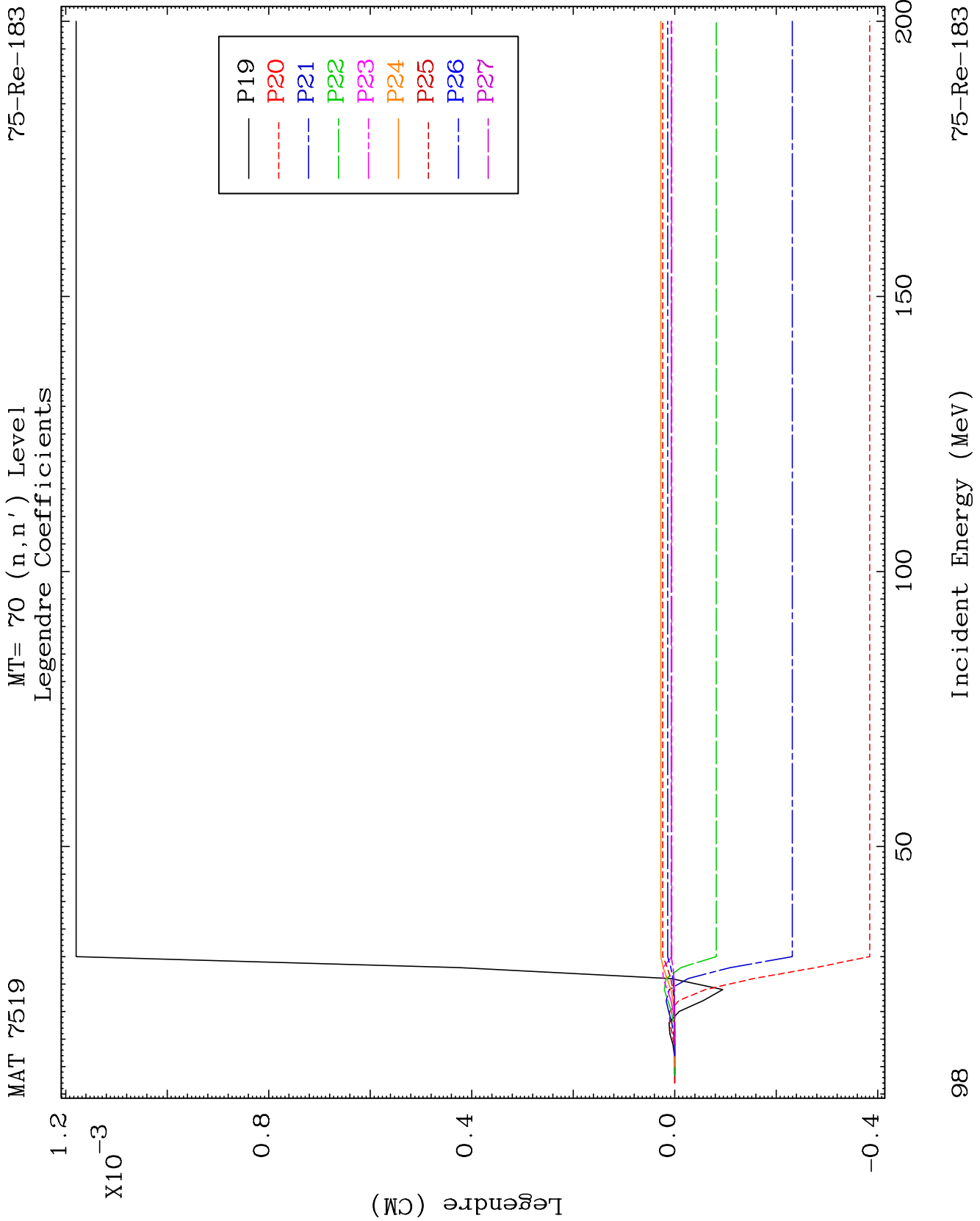


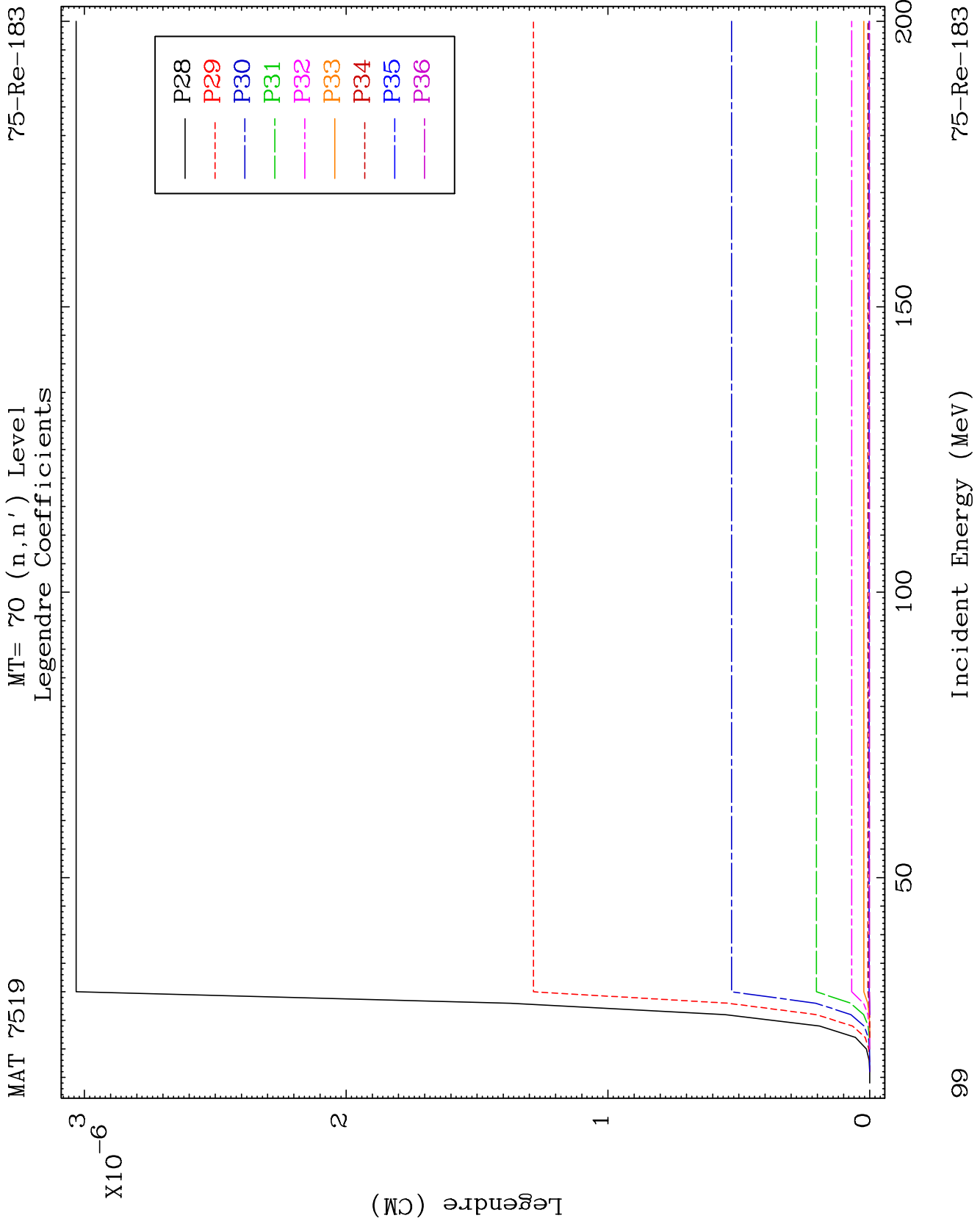
75-Re-183

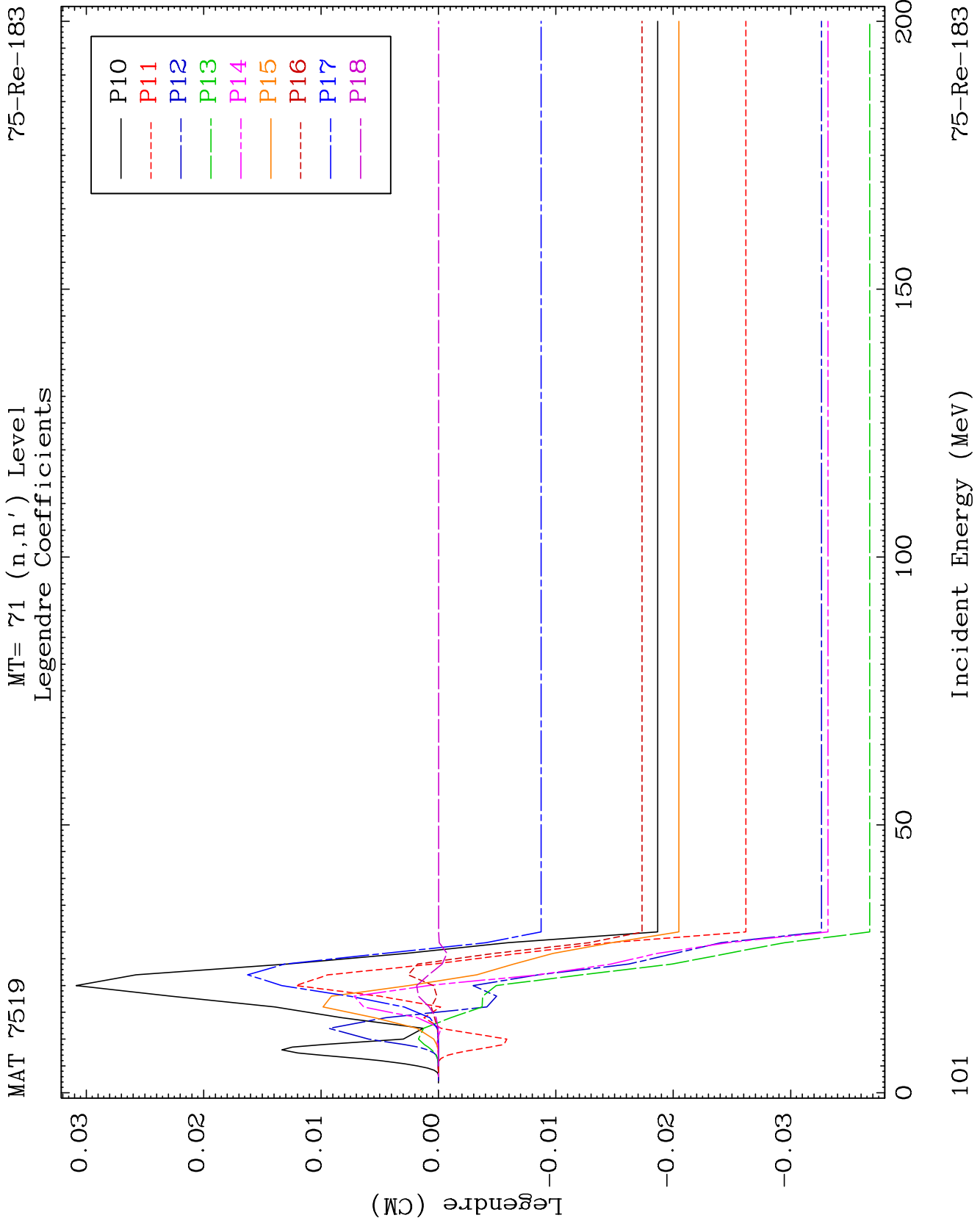
Incident Energy (MeV)

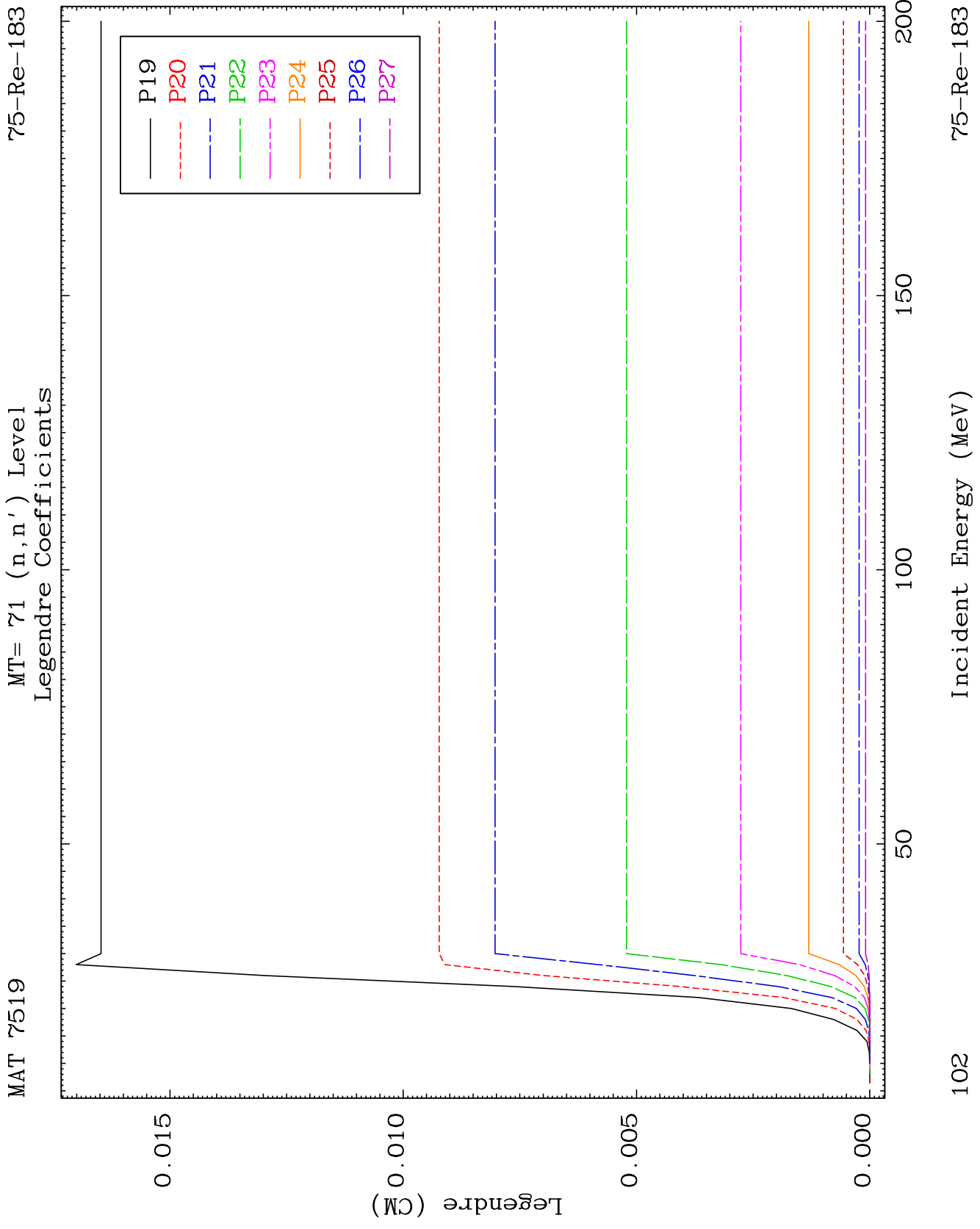
96







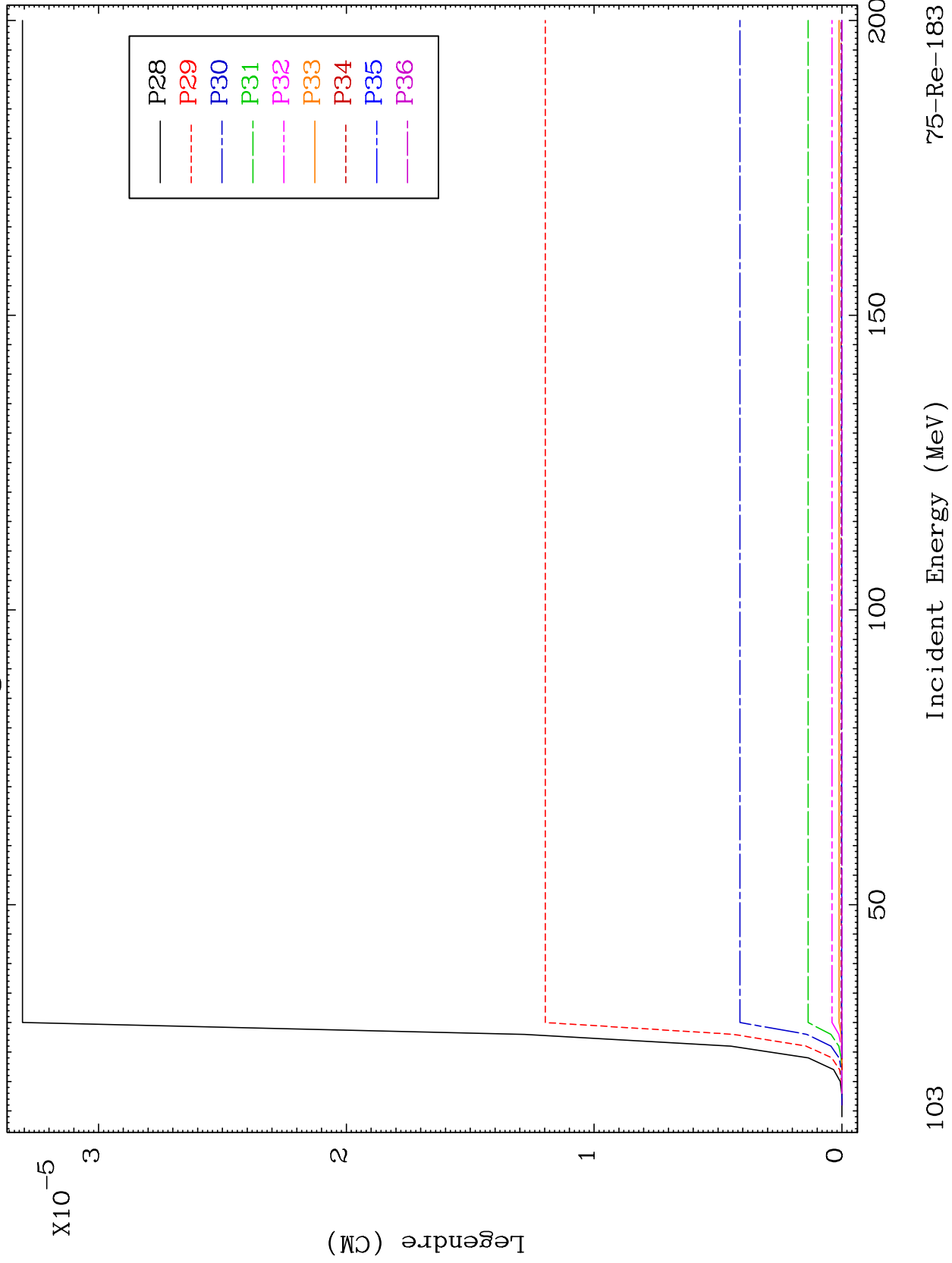




MAT 7519

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

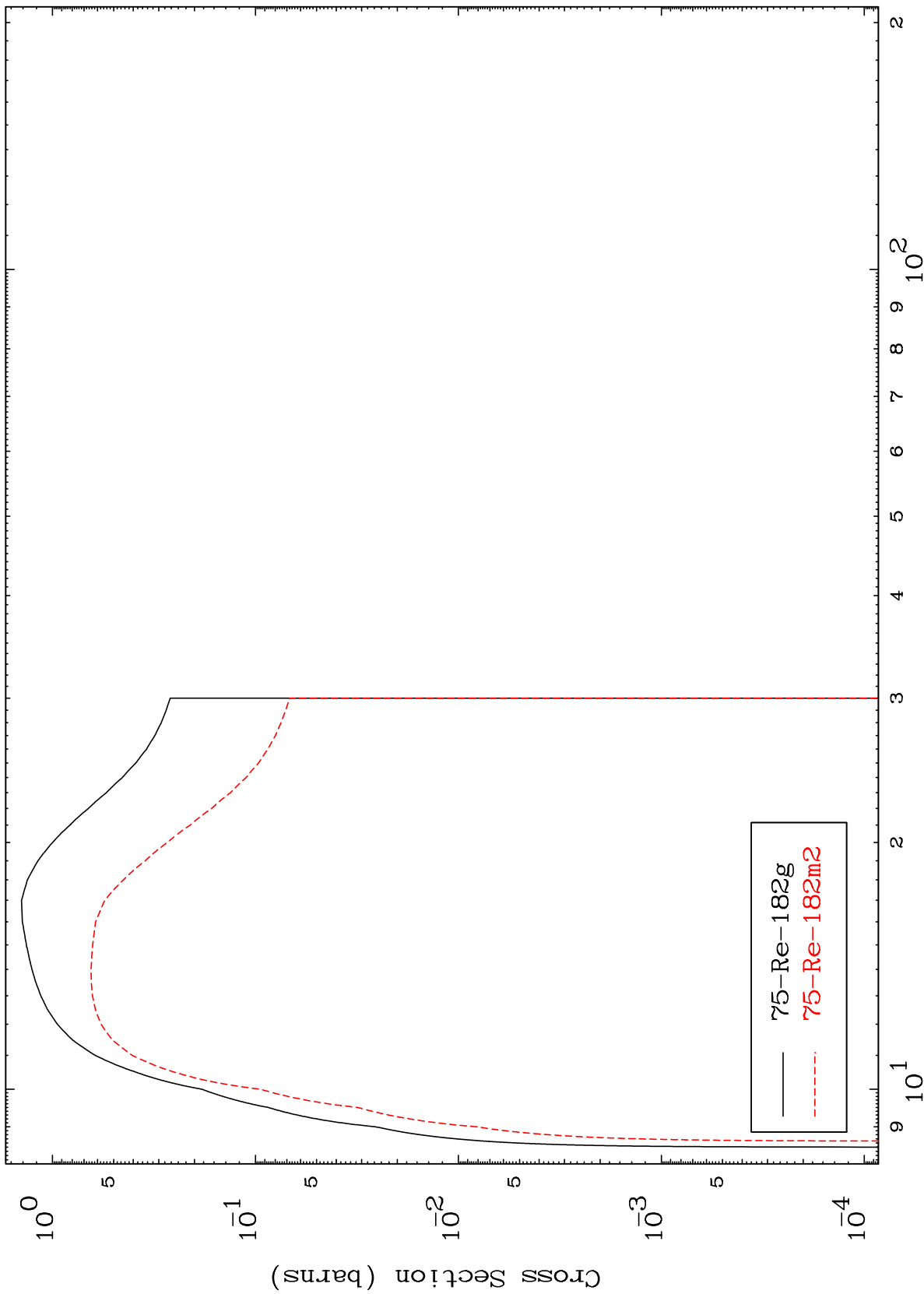
75-Re-183



MAT 7519

75-Re-183

(n,2n)
Radionuclide Production Cross Section



104

Incident Energy (MeV)

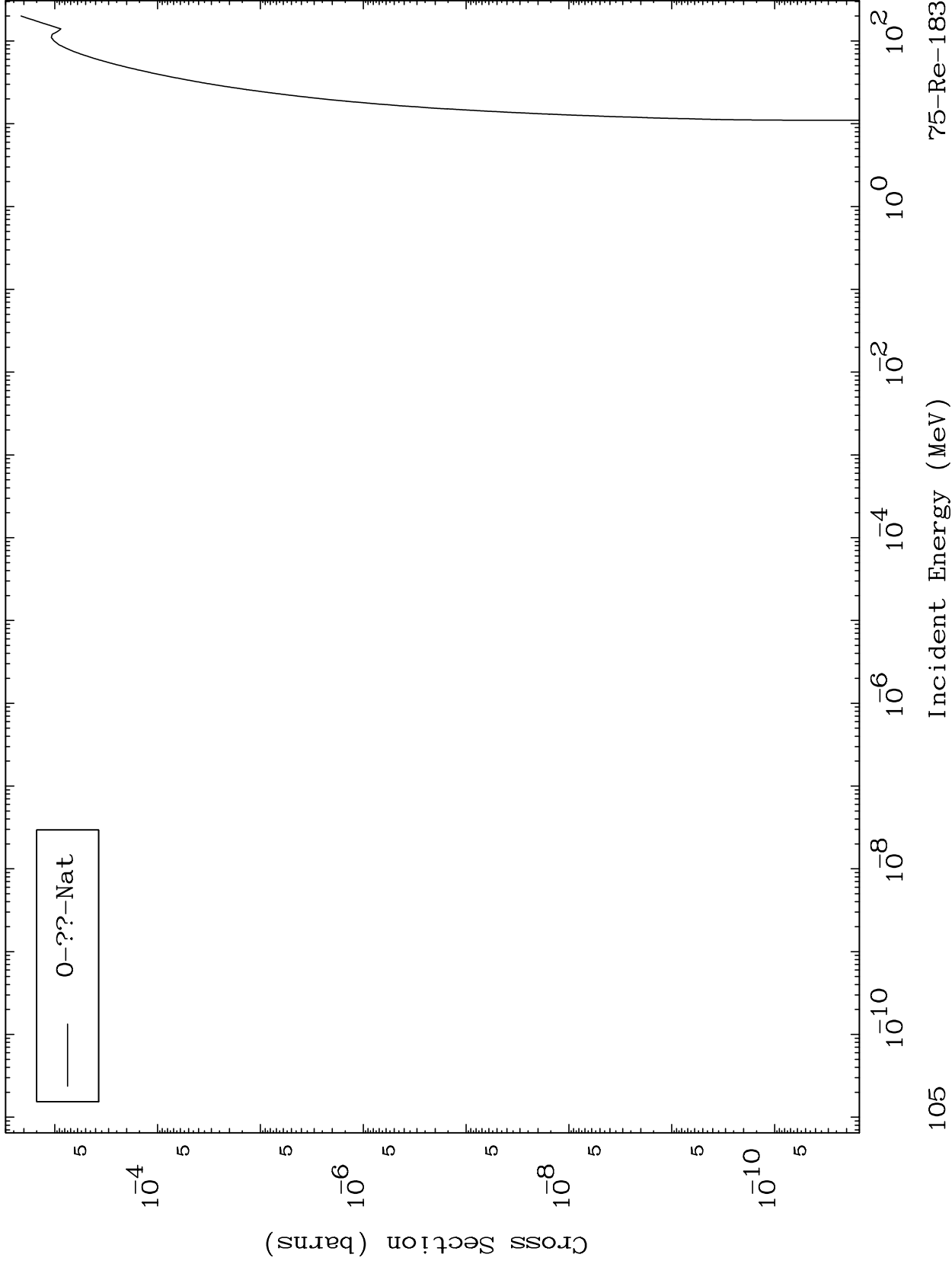
75-Re-183

MAT 7519

Fission

⁷⁵Re-183

Radionuclide Production Cross Section



105

Incident Energy (MeV)

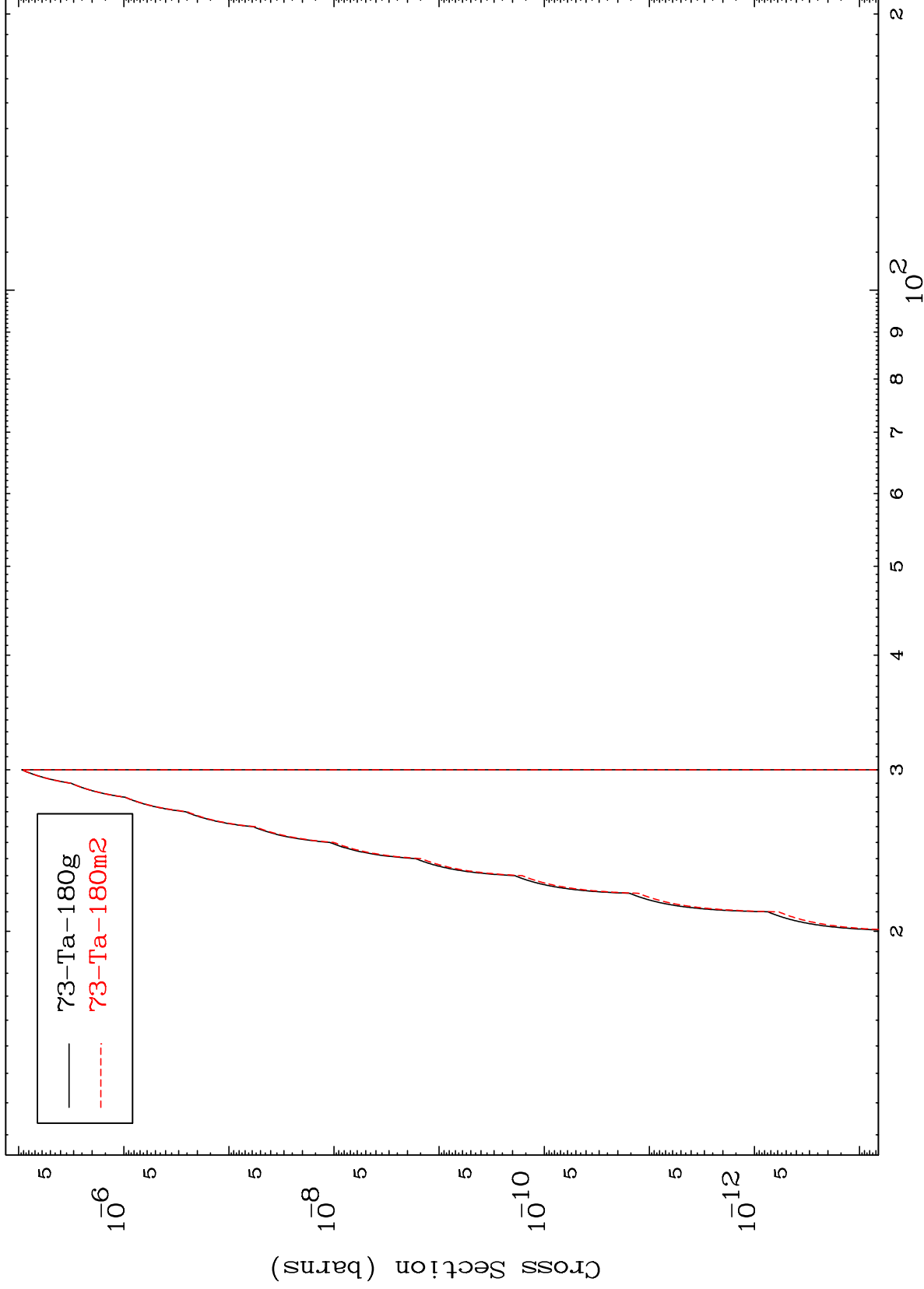
⁷⁵Re-183

MAT 7519

(n,n') He-3

75-Re-183

Radionuclide Production Cross Section



106

Incident Energy (MeV)

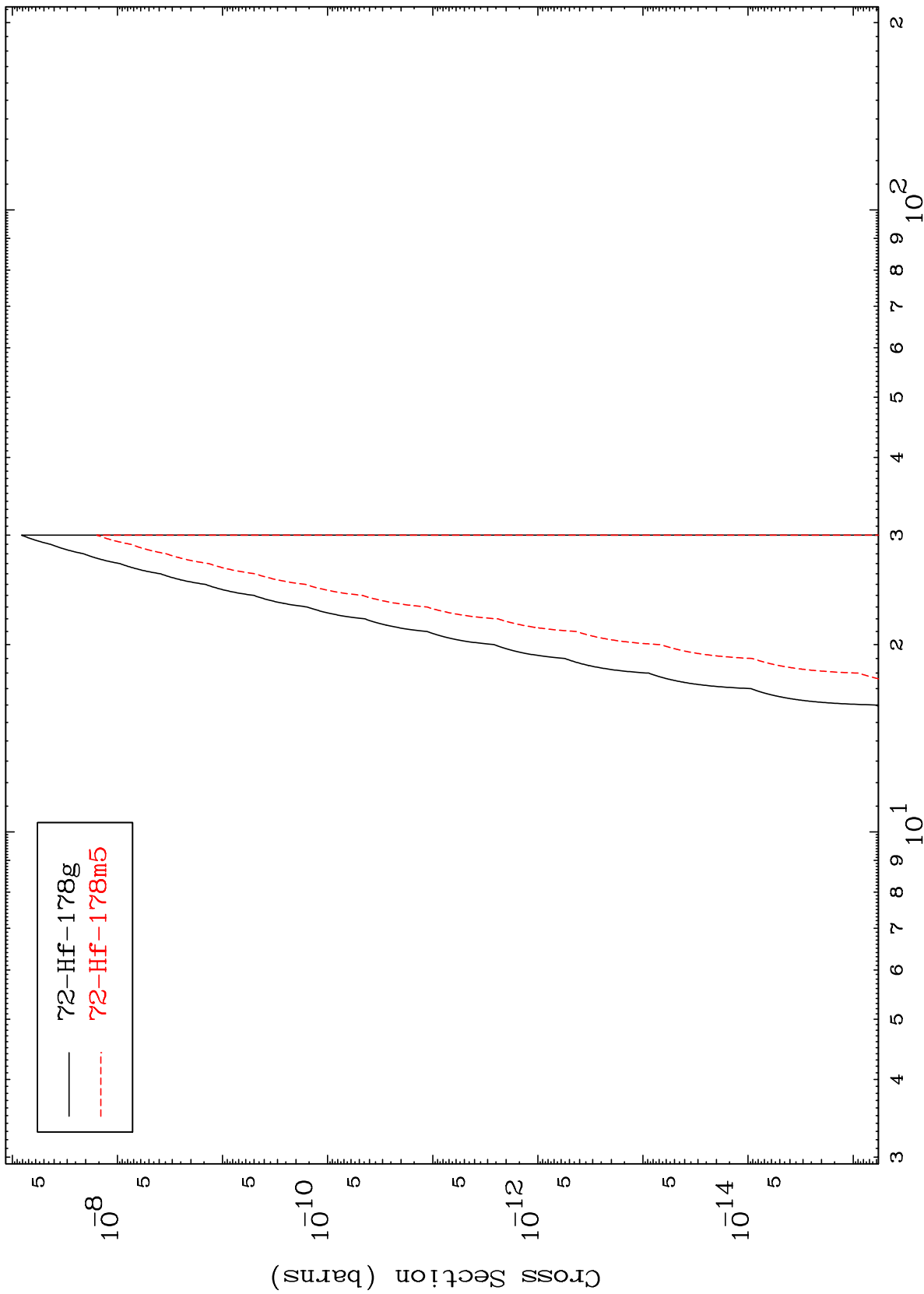
75-Re-183

MAT 7519

(n,n') p α

75-Re-183

Radionuclide Production Cross Section



107

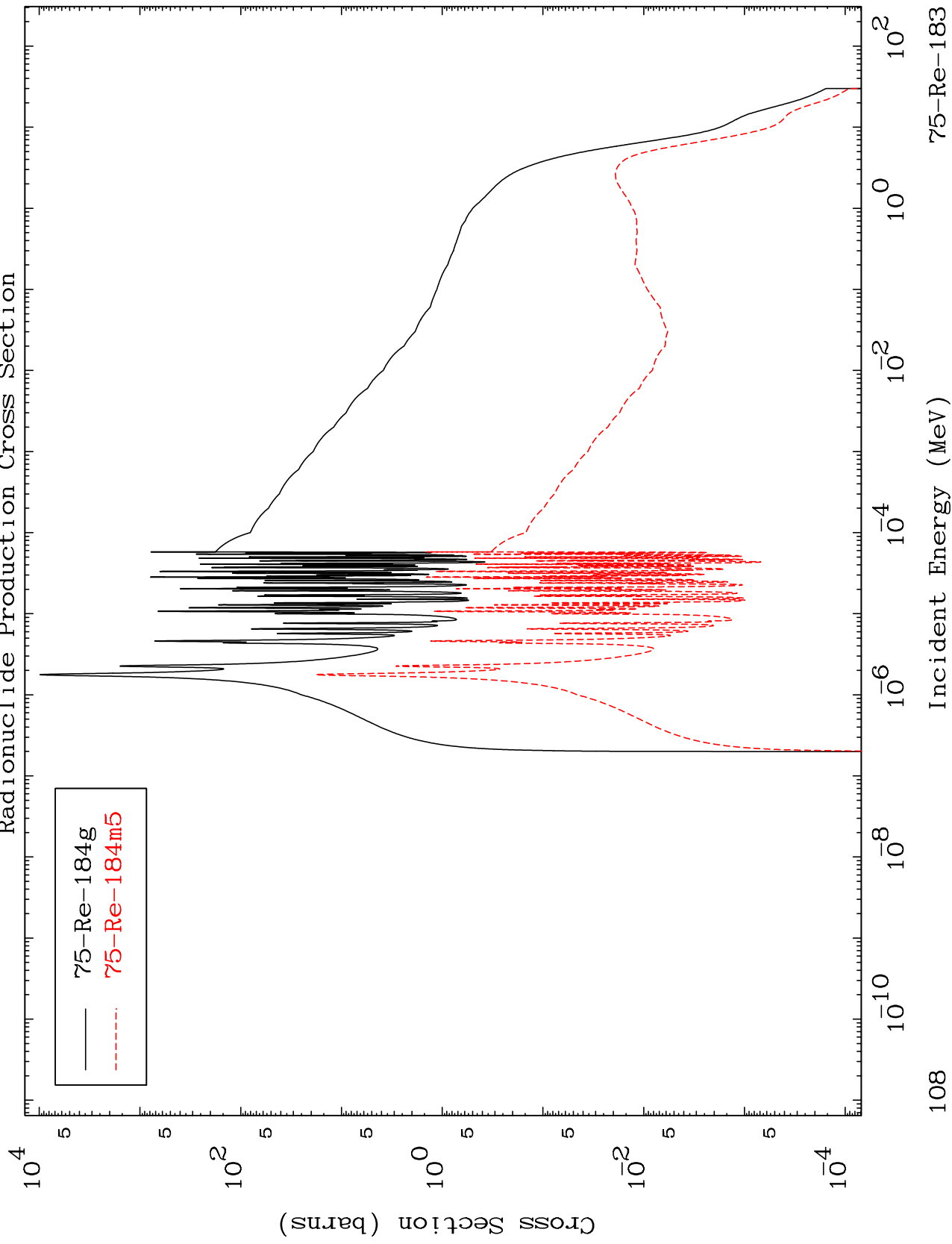
Incident Energy (MeV)

75-Re-183

MAT 7519

75-Re-183

Radionuclide Production Cross Section



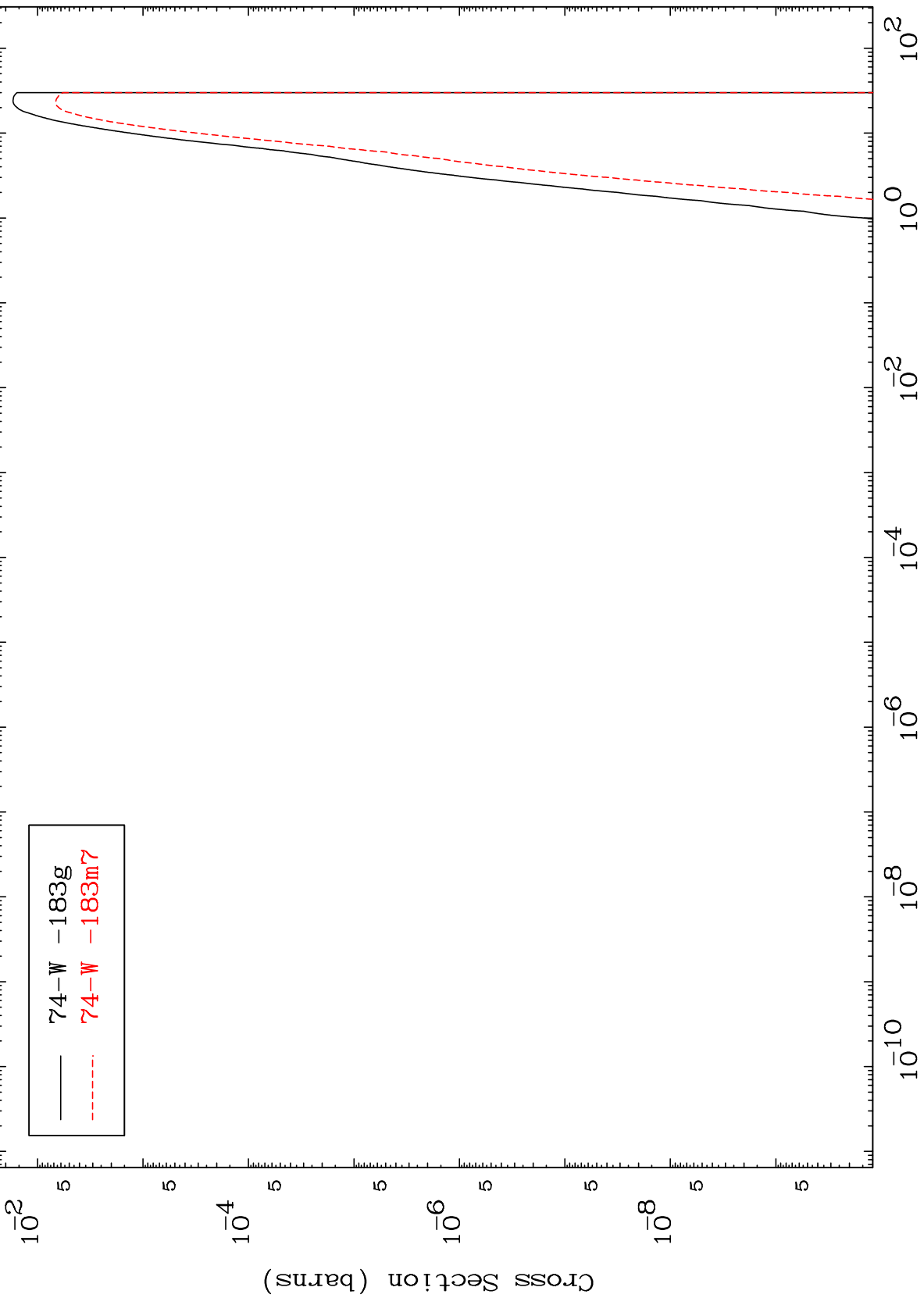
108

MAT 7519

(n,p)

75-Re-183

Radionuclide Production Cross Section



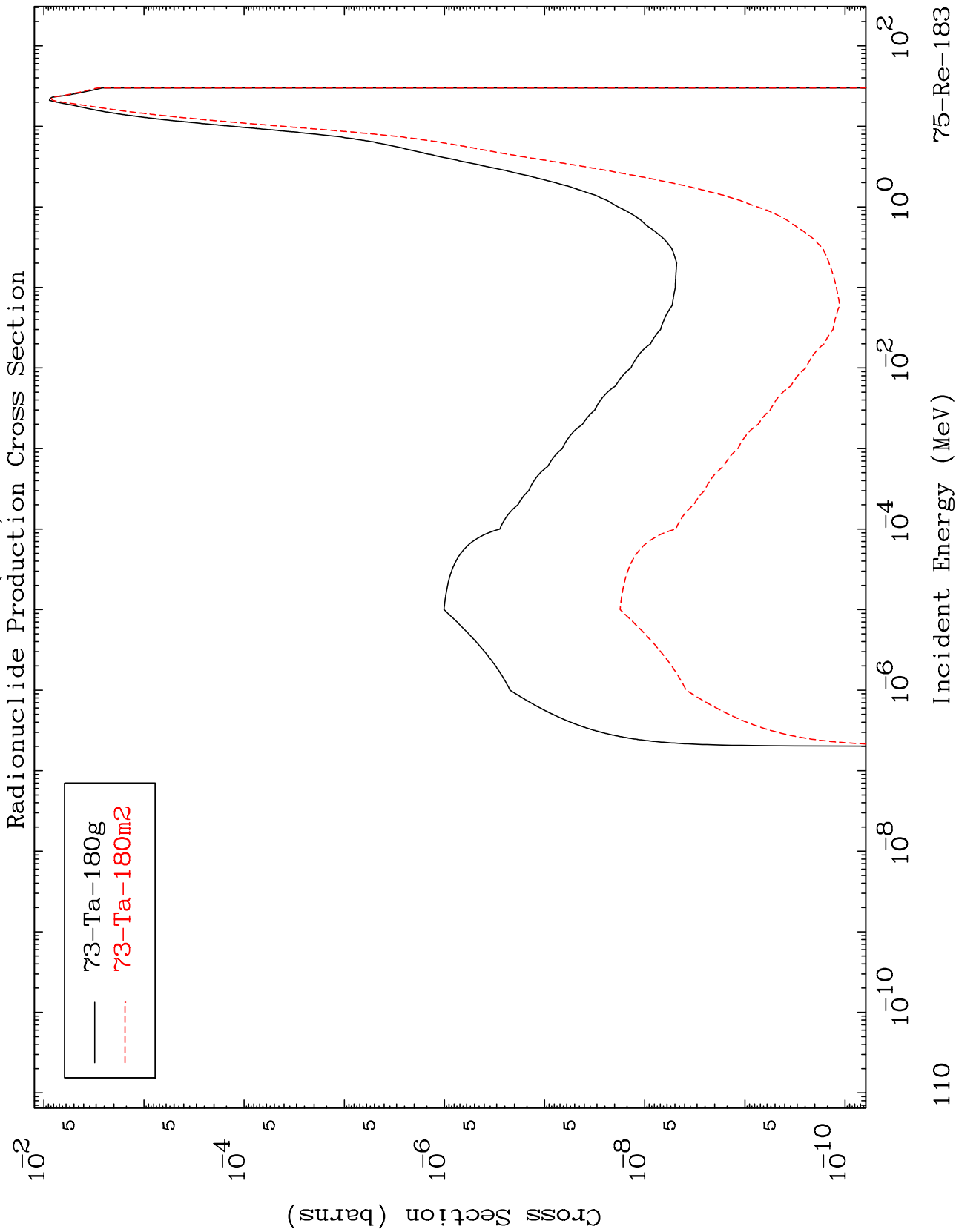
109

Incident Energy (MeV)

75-Re-183

MAT 7519

75-Re-183



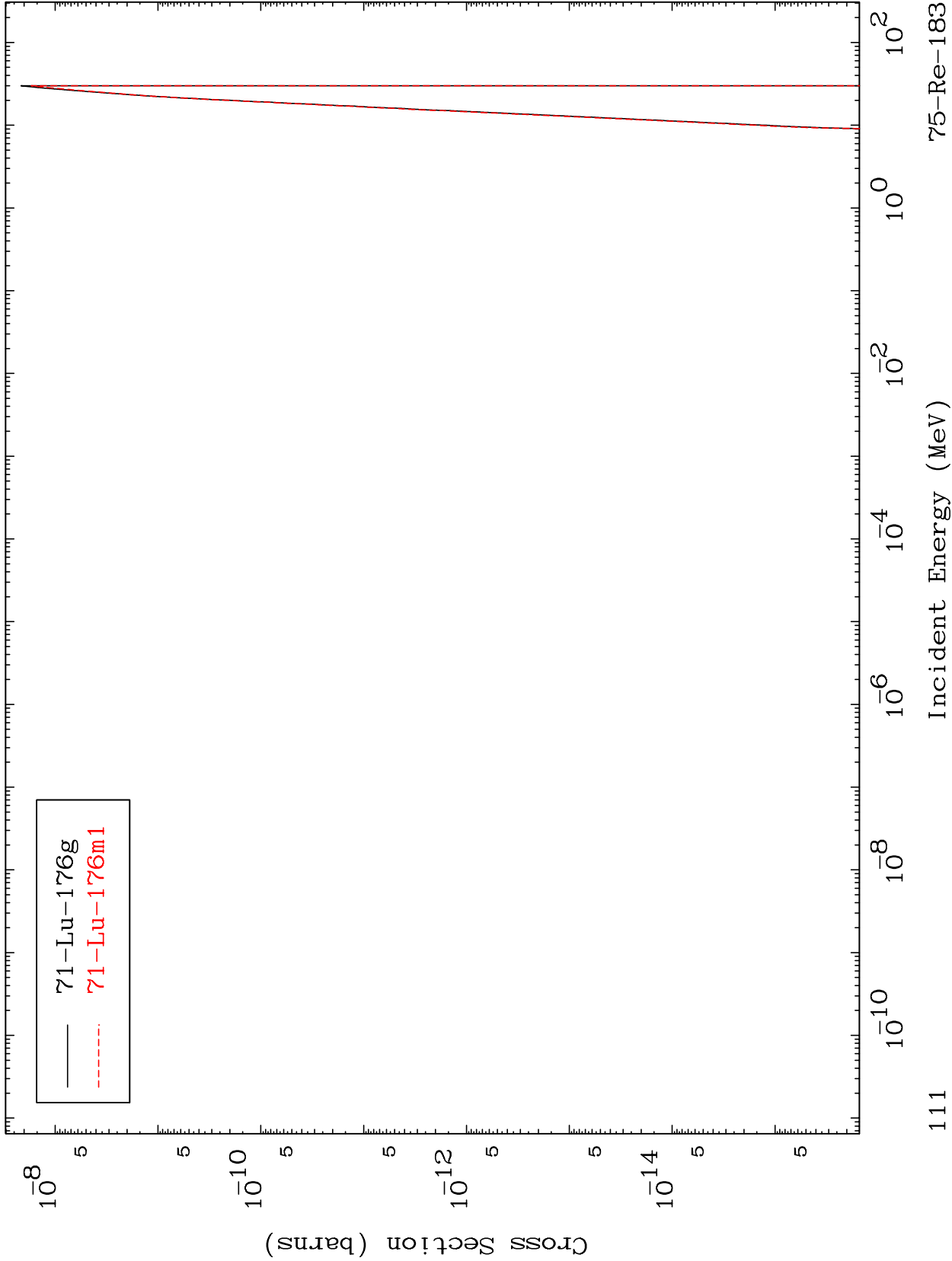
110

MAT 7519

(n,2α)

75-Re-183

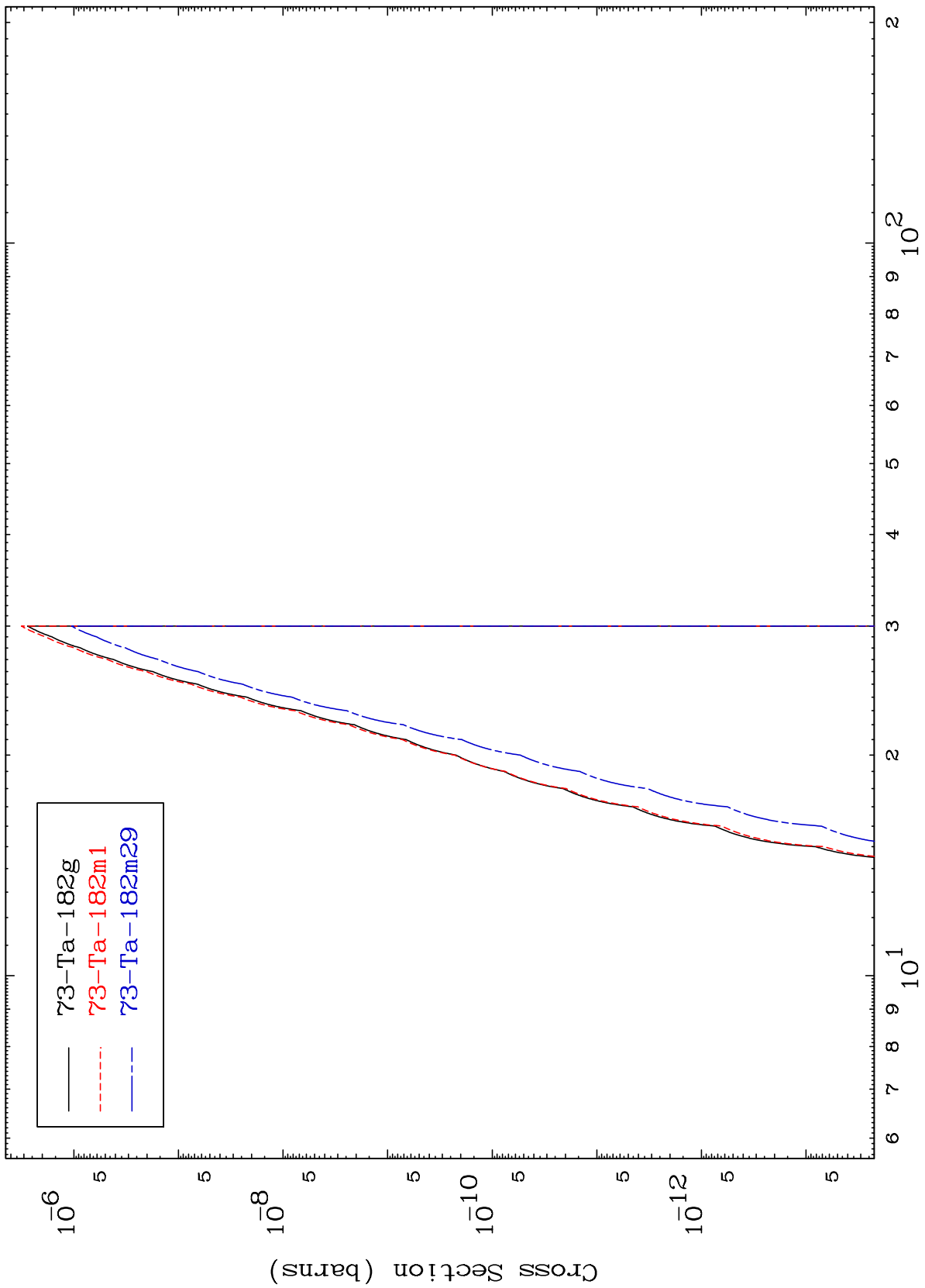
Radionuclide Production Cross Section



MAT 7519

75-Re-183

(n,2p)
Radionuclide Production Cross Section



112

Incident Energy (MeV)

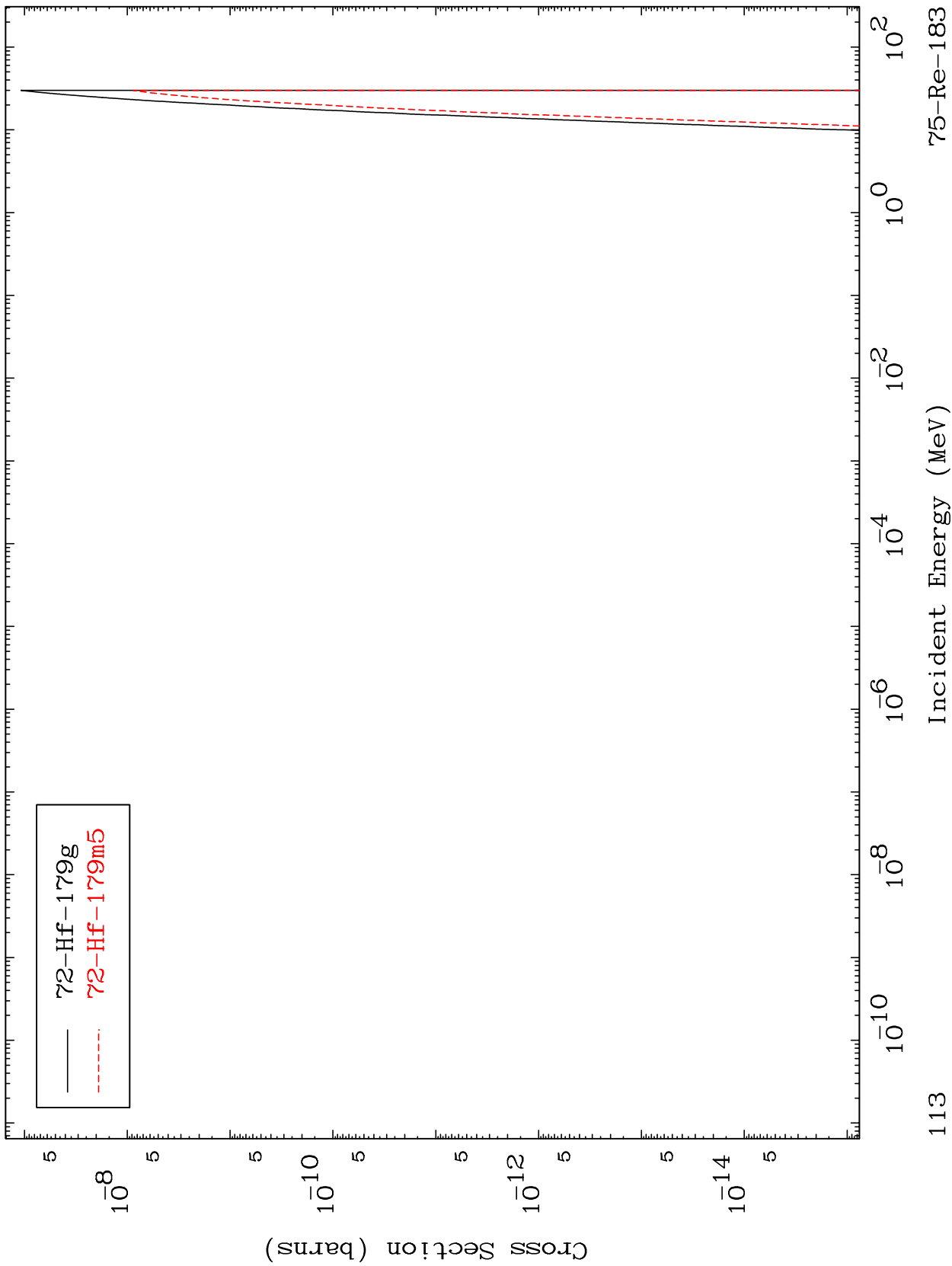
75-Re-183

MAT 7519

(n,p) α

75-Re-183

Radionuclide Production Cross Section

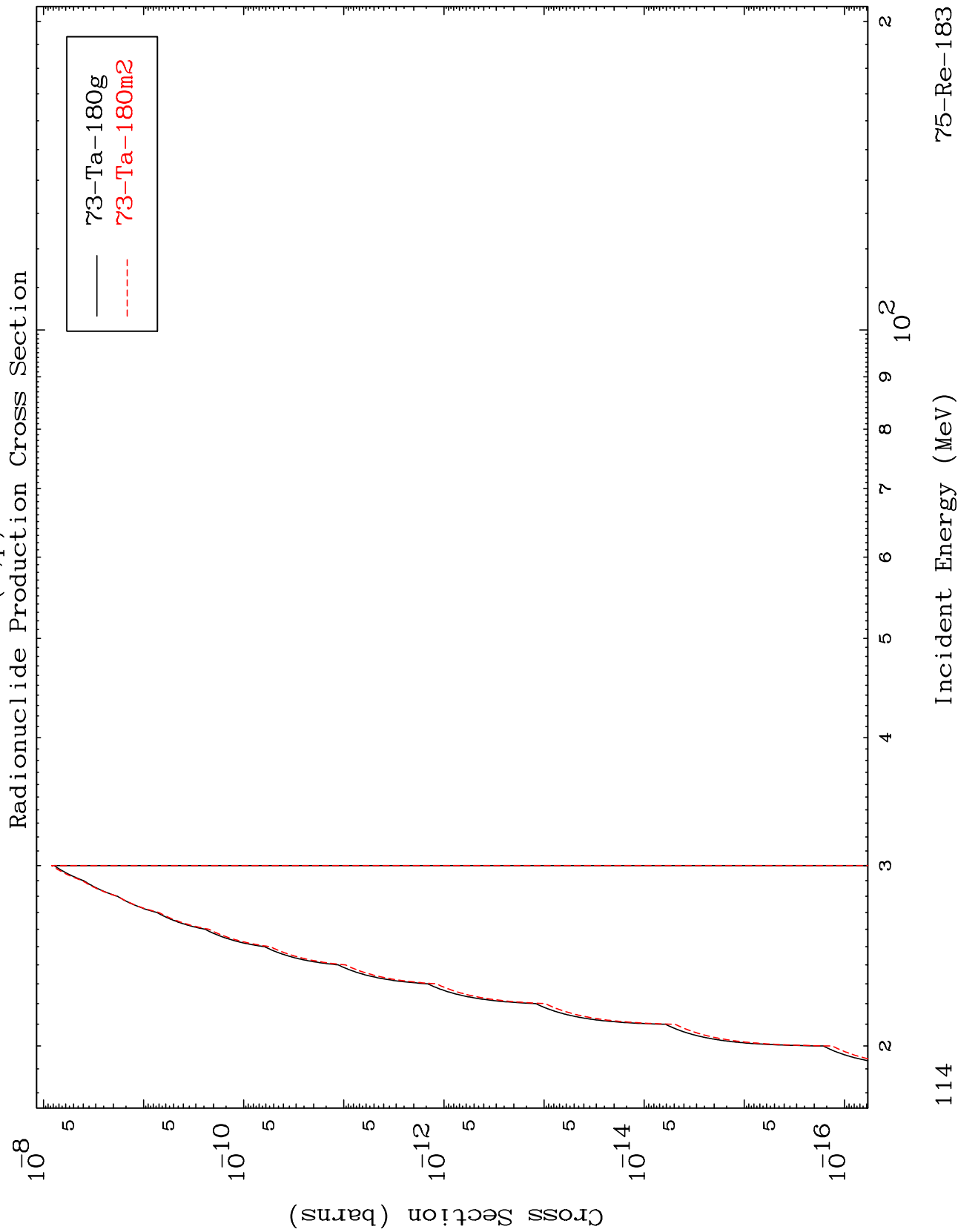


72-Hf-179g
72-Hf-179m5

MAT 7519

(n,p) t

75-Re-183



114

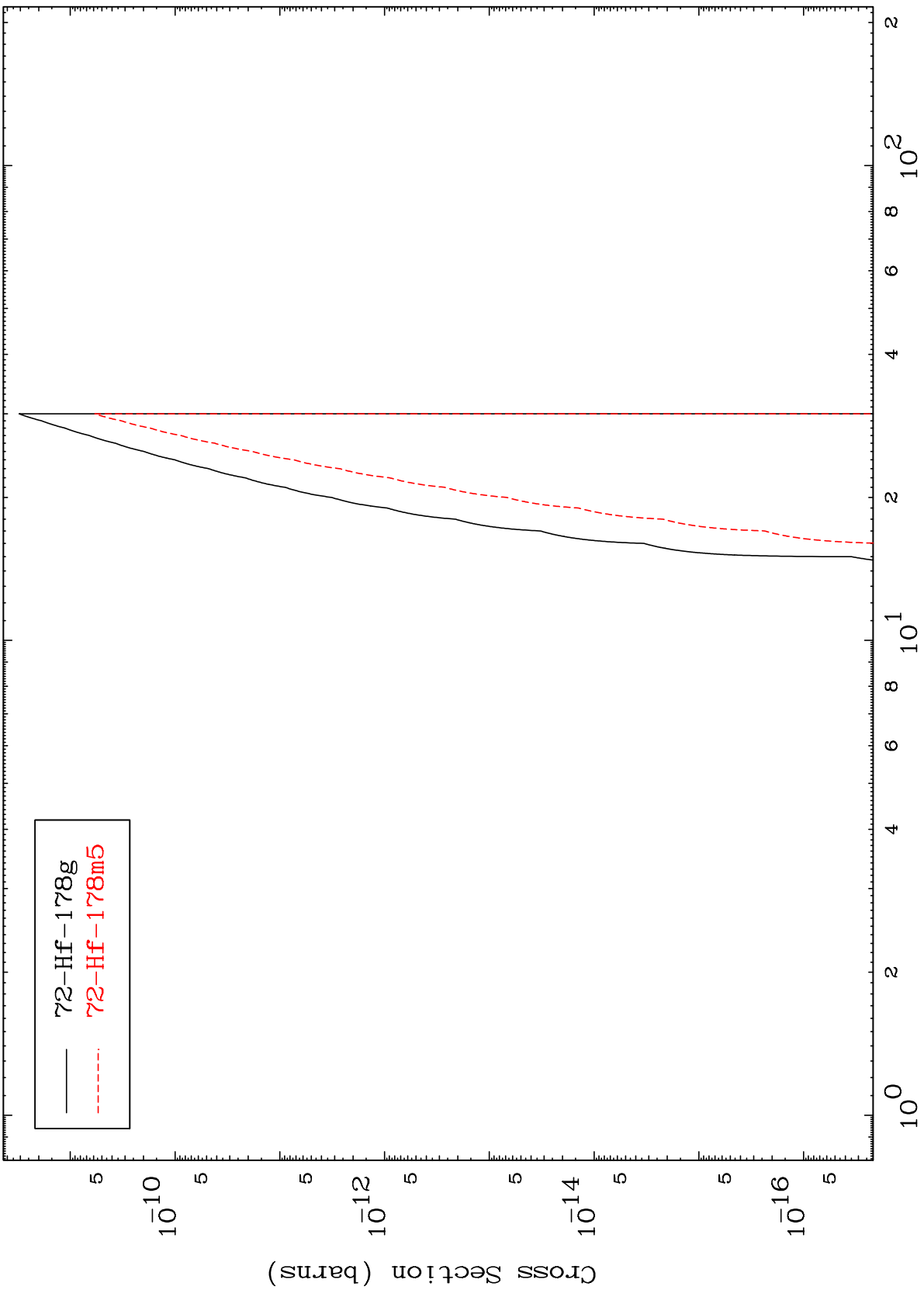
75-Re-183

MAT 7519

(n,d) α

75-Re-183

Radionuclide Production Cross Section



115

Incident Energy (MeV)

75-Re-183