

Program EVALPLOT  
(Version 2021-1)

by

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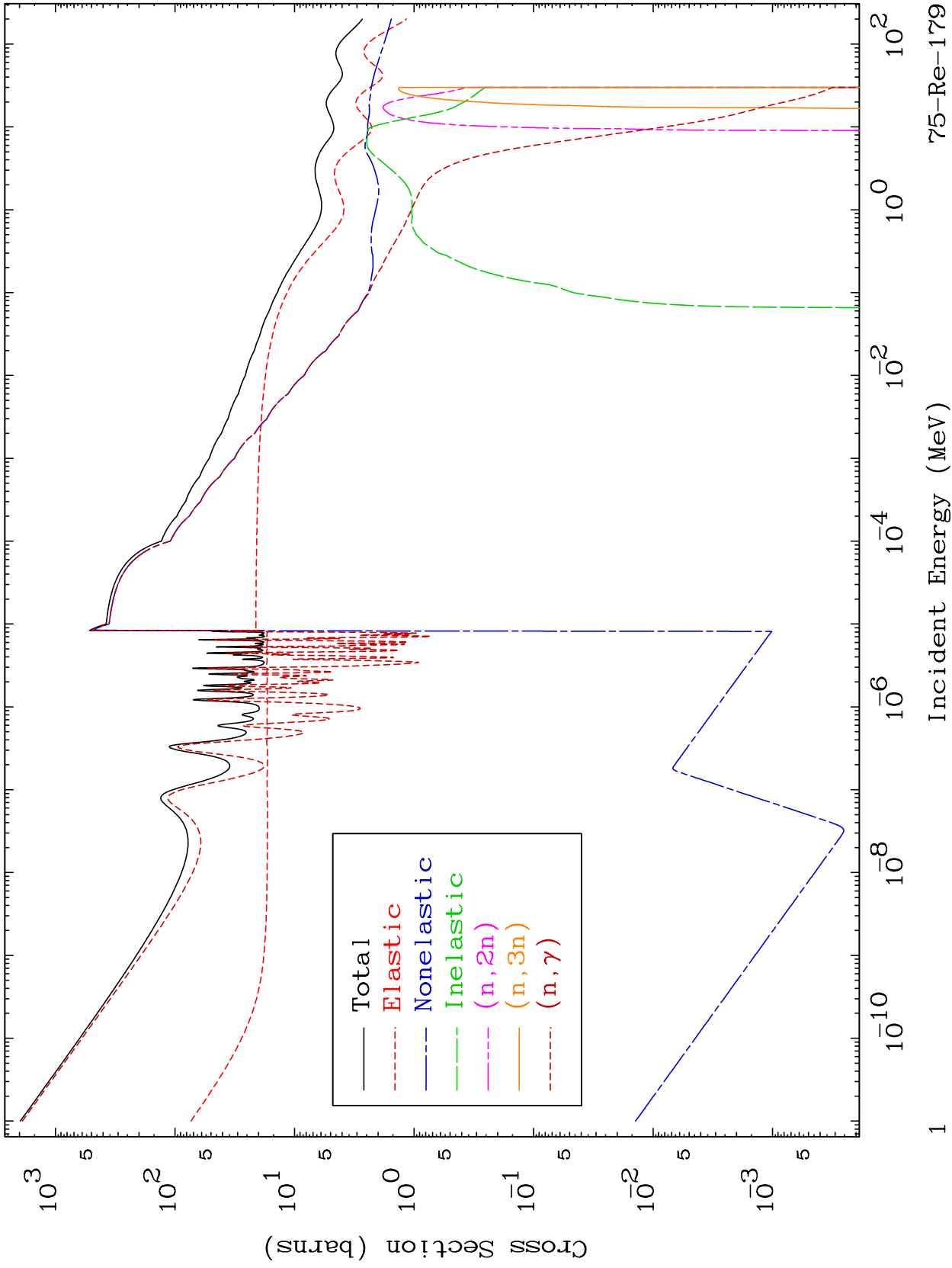
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Press Mouse Button to Start

MAT 7507

Neutron Major  
293 Kelvin Cross Sections

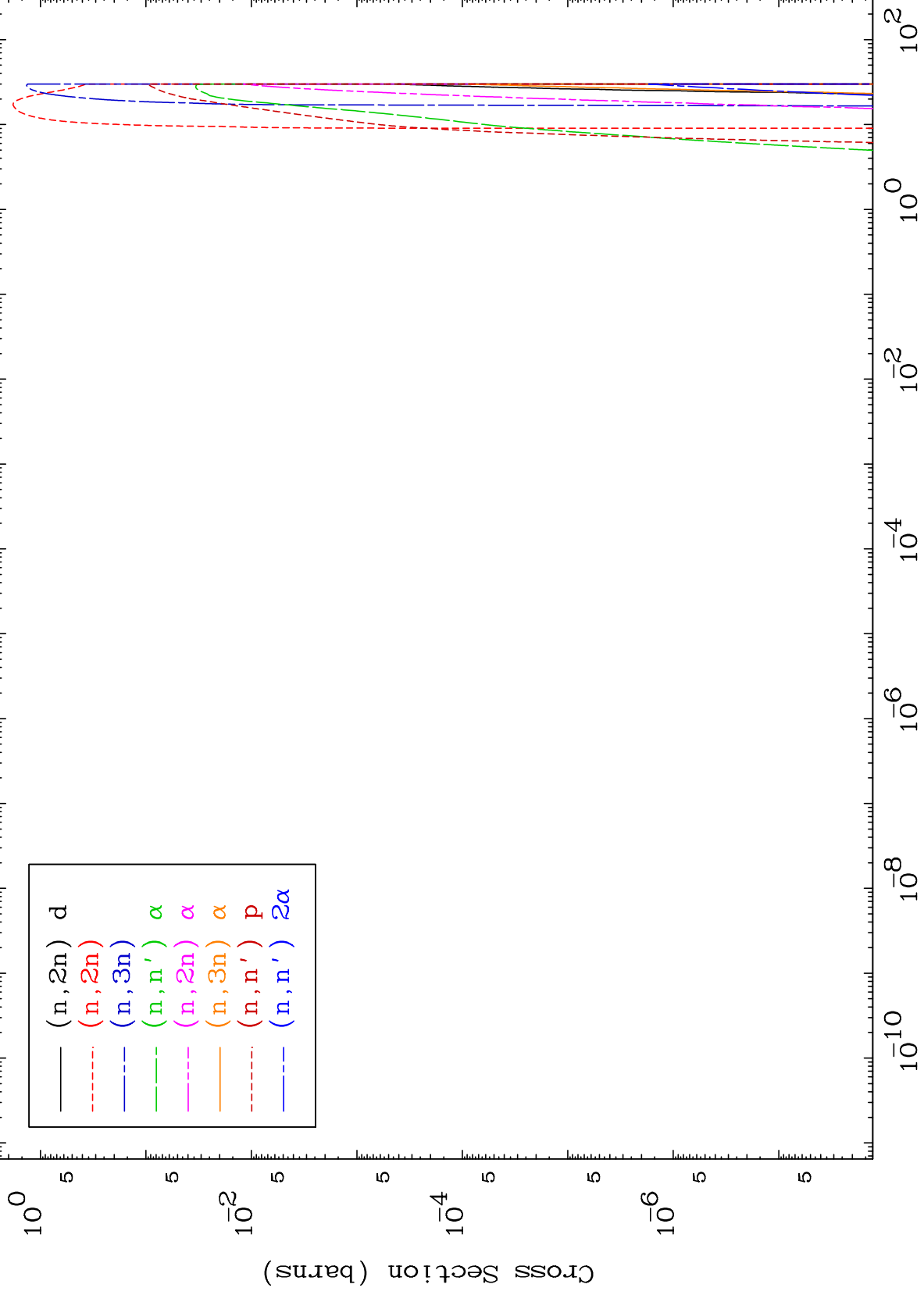
75-Re-179



MAT 7507

Neutron Absorption  
293 Kelvin Cross Sections

75-Re-179



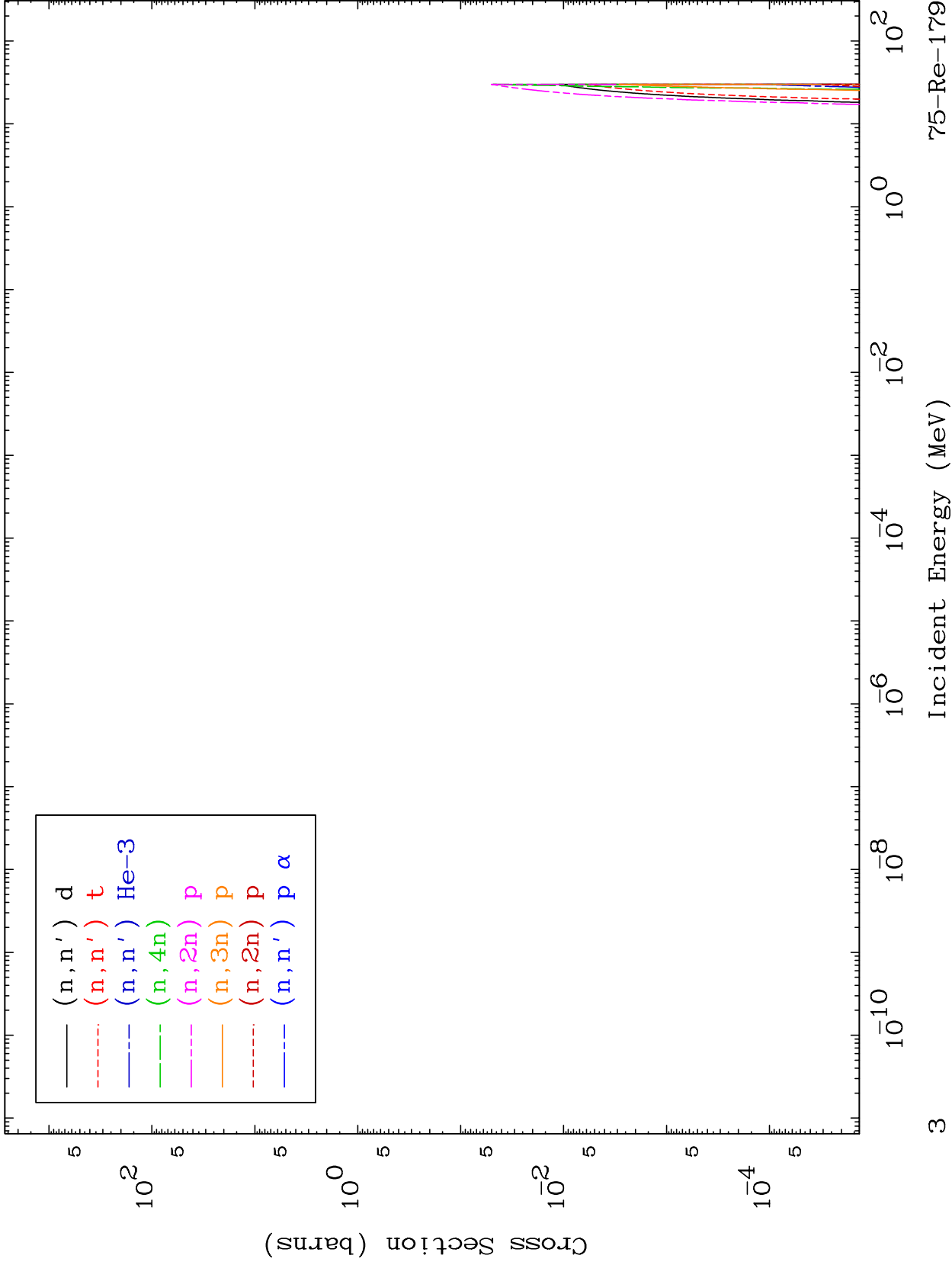
75-Re-179

Incident Energy (MeV)

MAT 7507

Neutron Absorption  
293 Kelvin Cross Sections

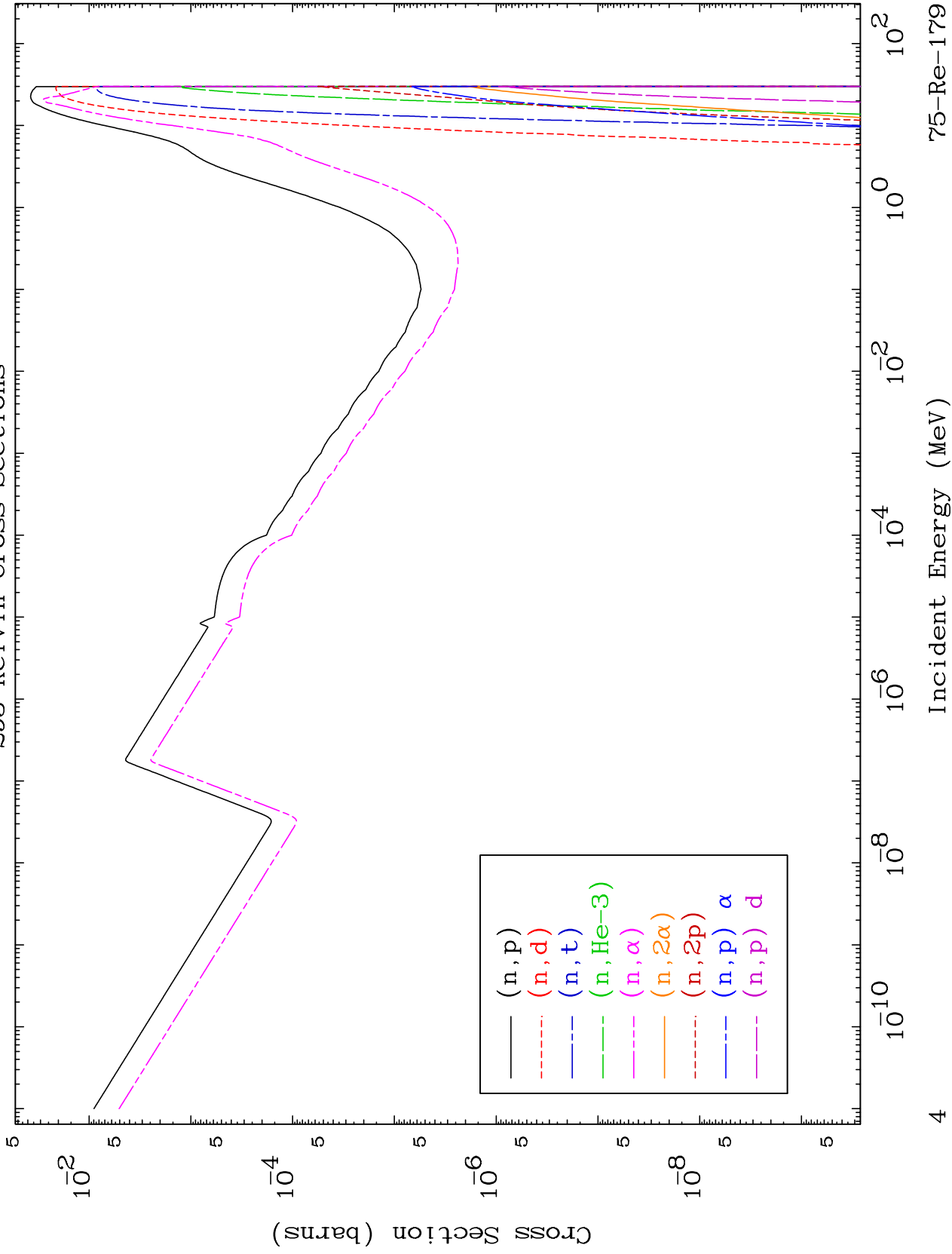
75-Re-179



MAT 7507

Neutron Absorption  
293 Kelvin Cross Sections

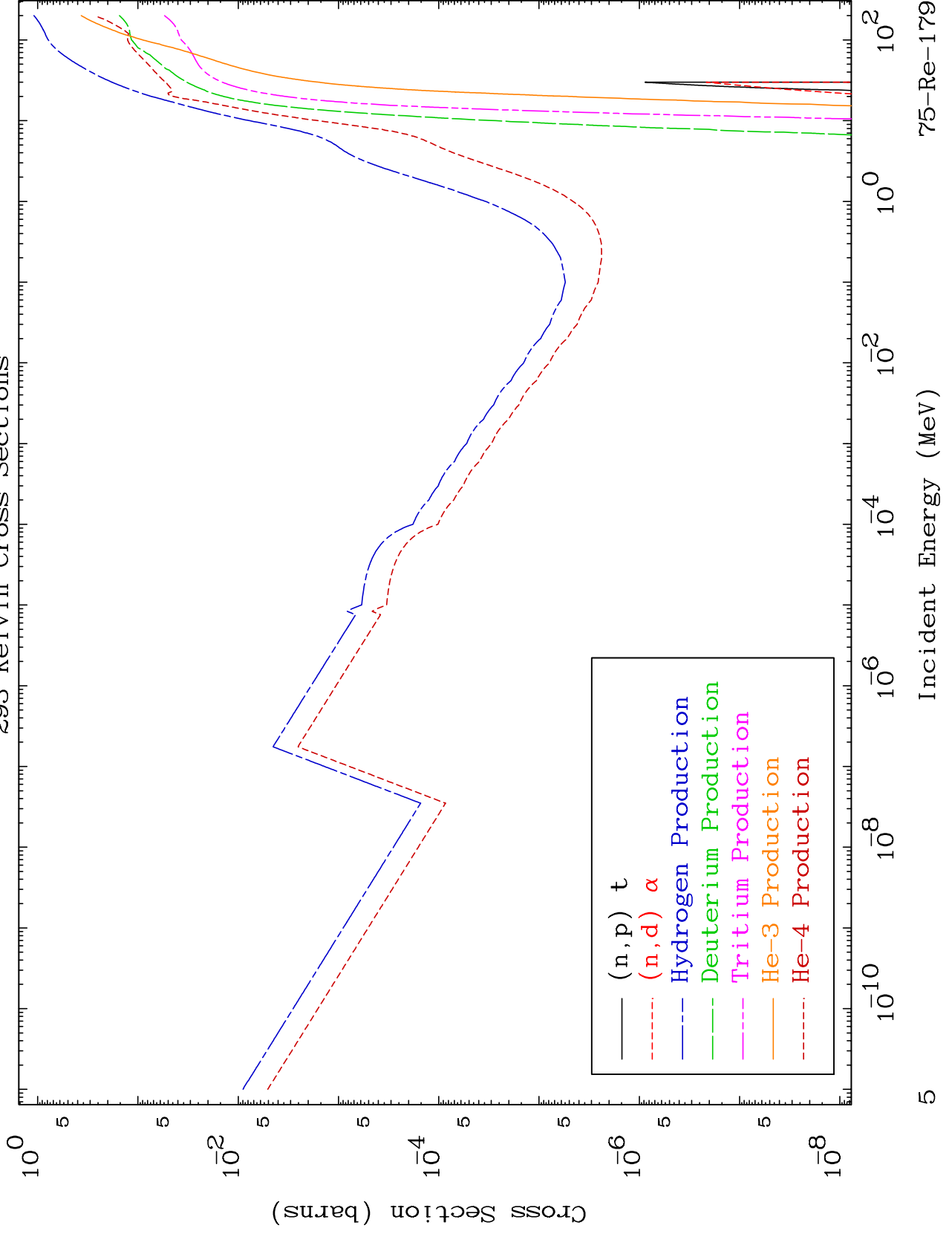
75-Re-179



MAT 7507

Neutron Absorption  
293 Kelvin Cross Sections

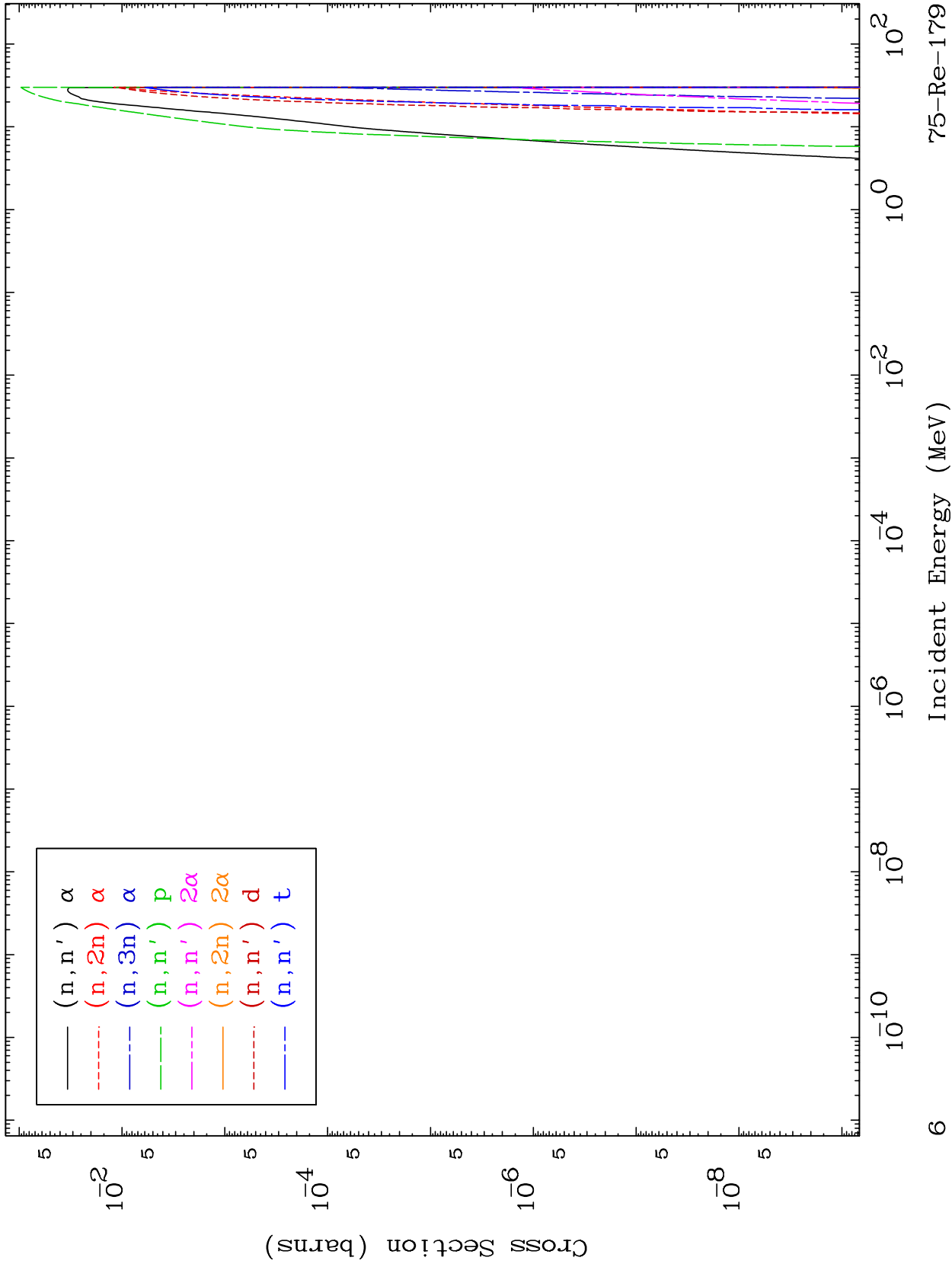
75-Re-179



MAT 7507

Charged Particle  
293 Kelvin Cross Sections

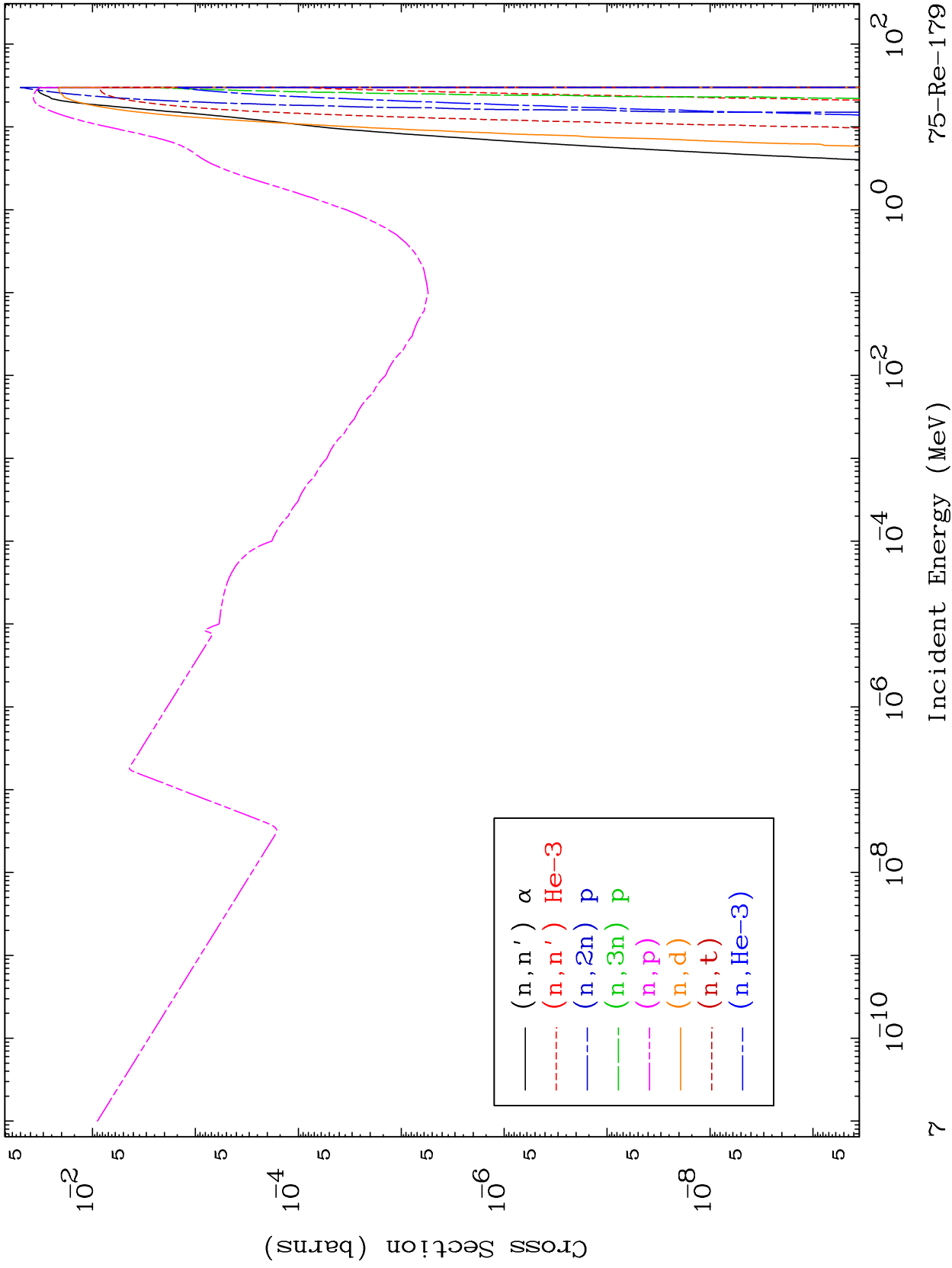
75-Re-179



MAT 7507

Charged Particle  
293 Kelvin Cross Sections

75-Re-179

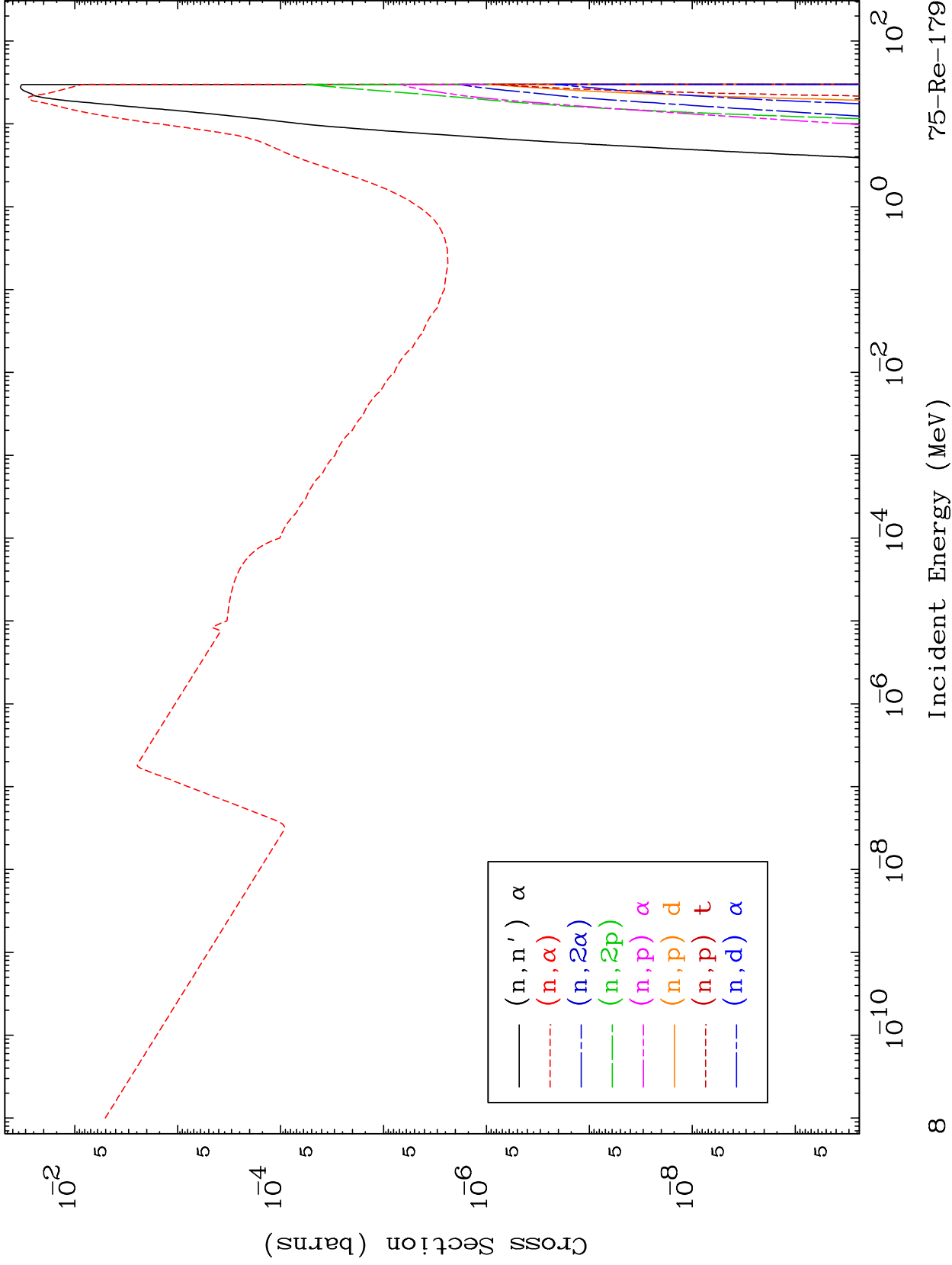




MAT 7507

Charged Particle  
293 Kelvin Cross Sections

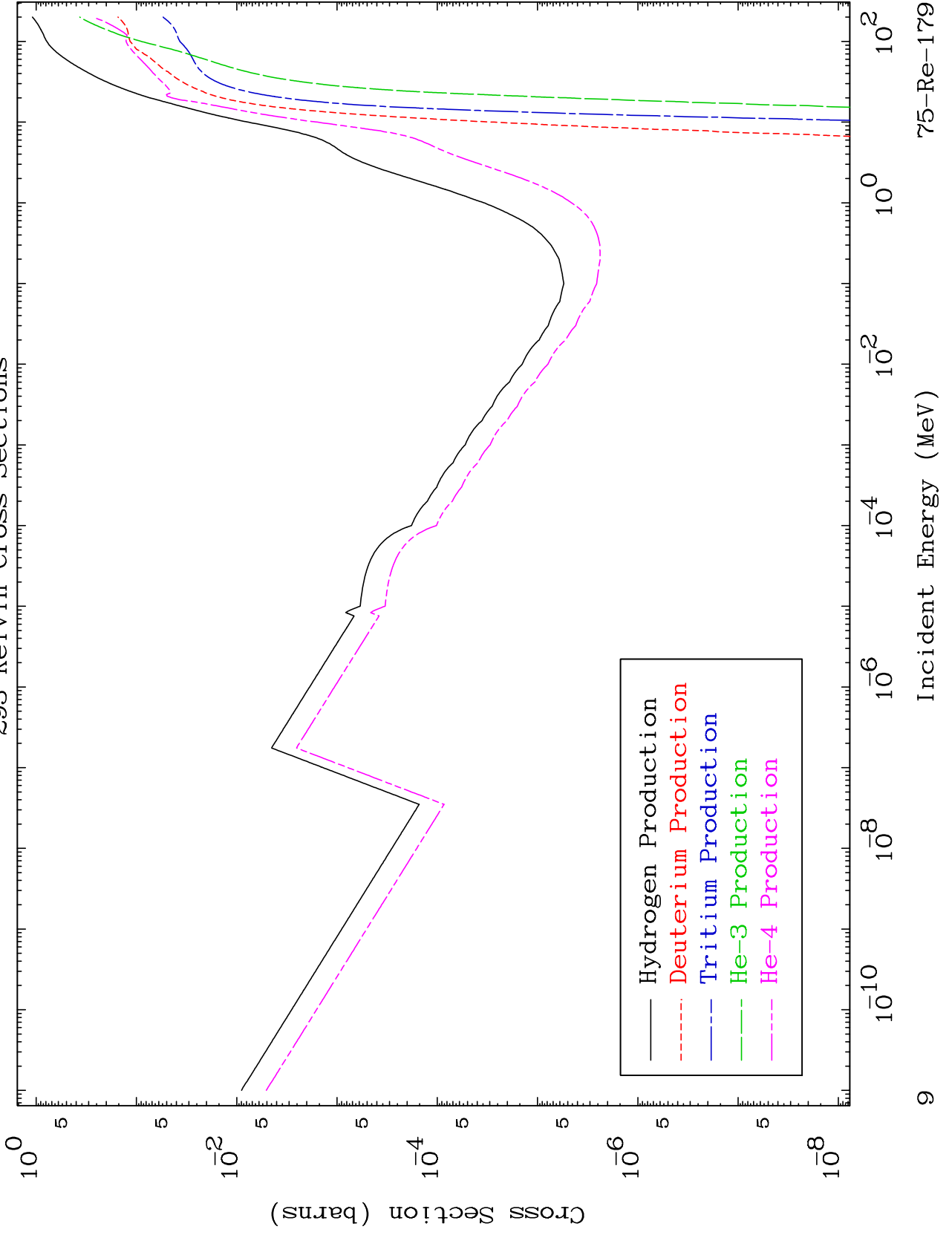
75-Re-179



MAT 7507

Particle Production  
293 Kelvin Cross Sections

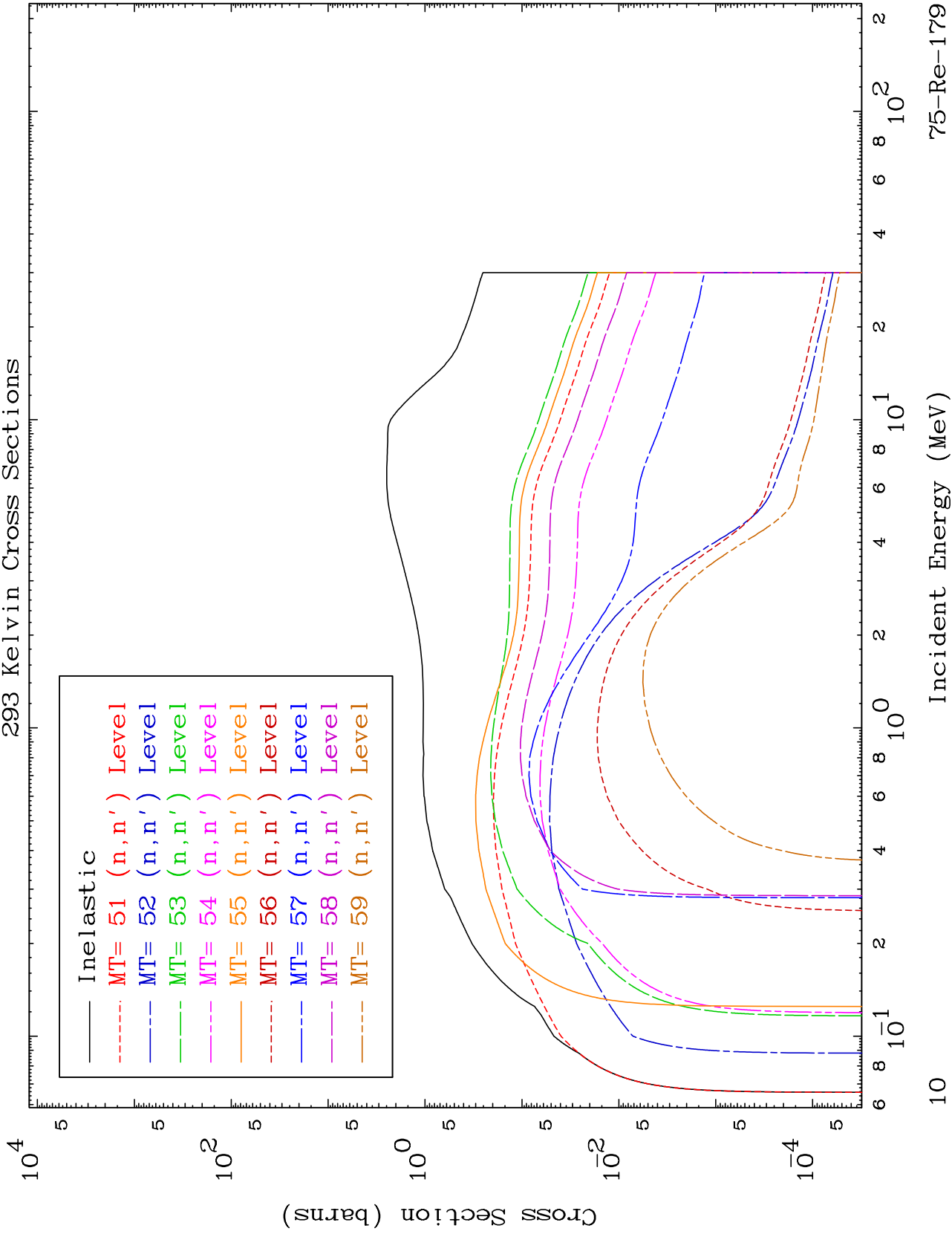
75-Re-179



MAT 7507

(n,n') Levels  
293 Kelvin Cross Sections

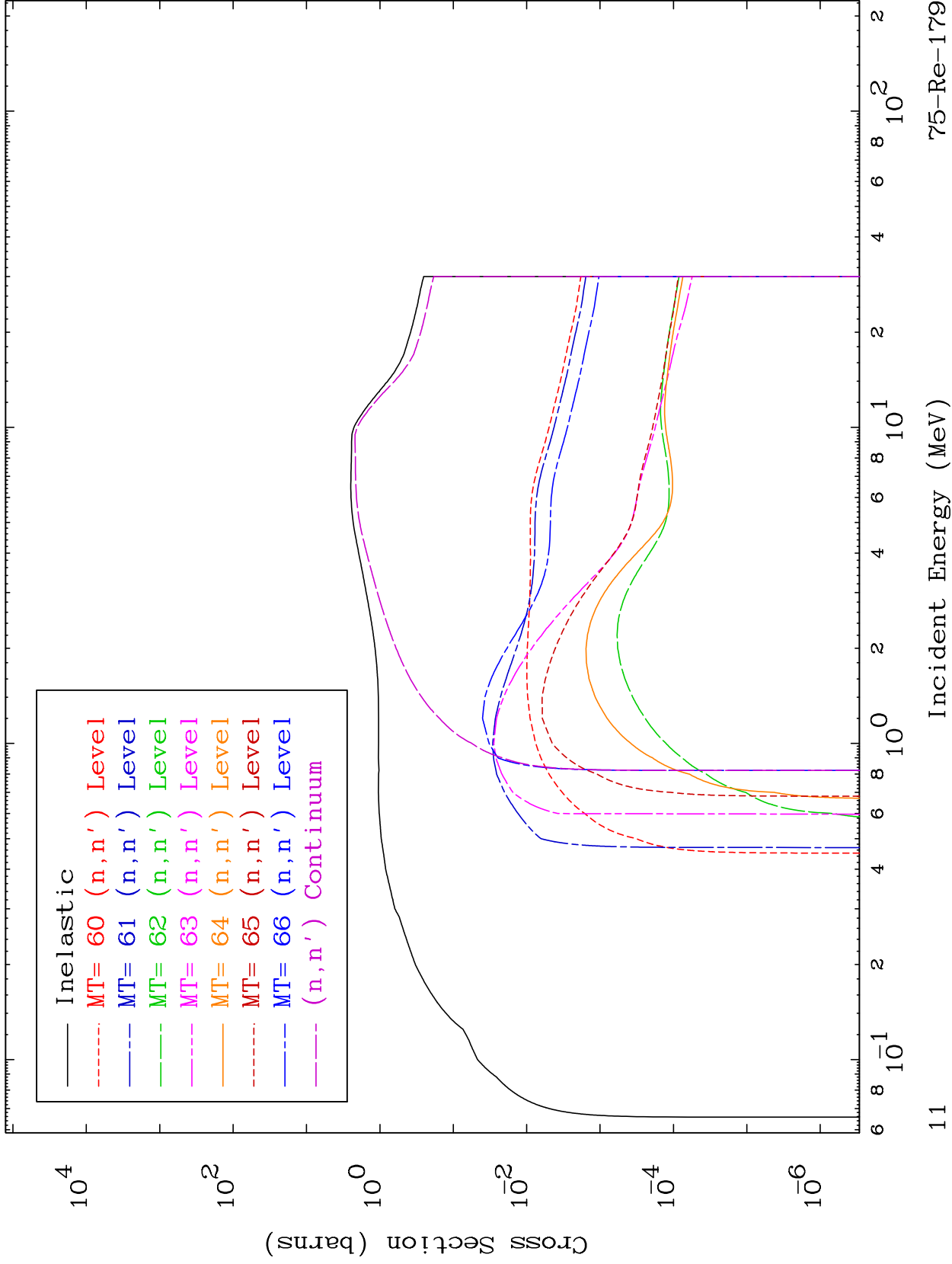
75-Re-179



75-Re-179

Incident Energy (MeV)

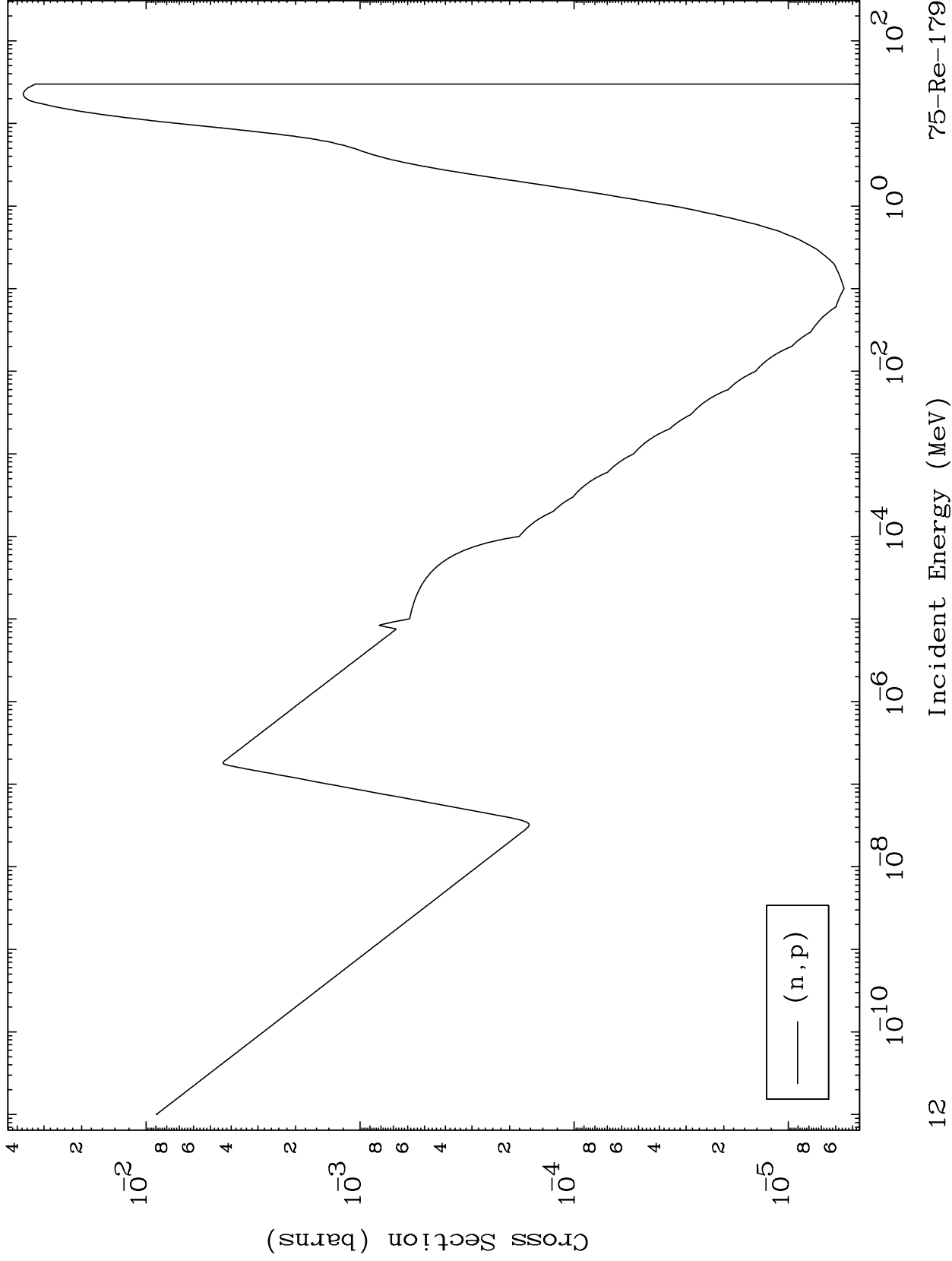
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MAT 7507

(n,p) Levels  
293 Kelvin Cross Sections

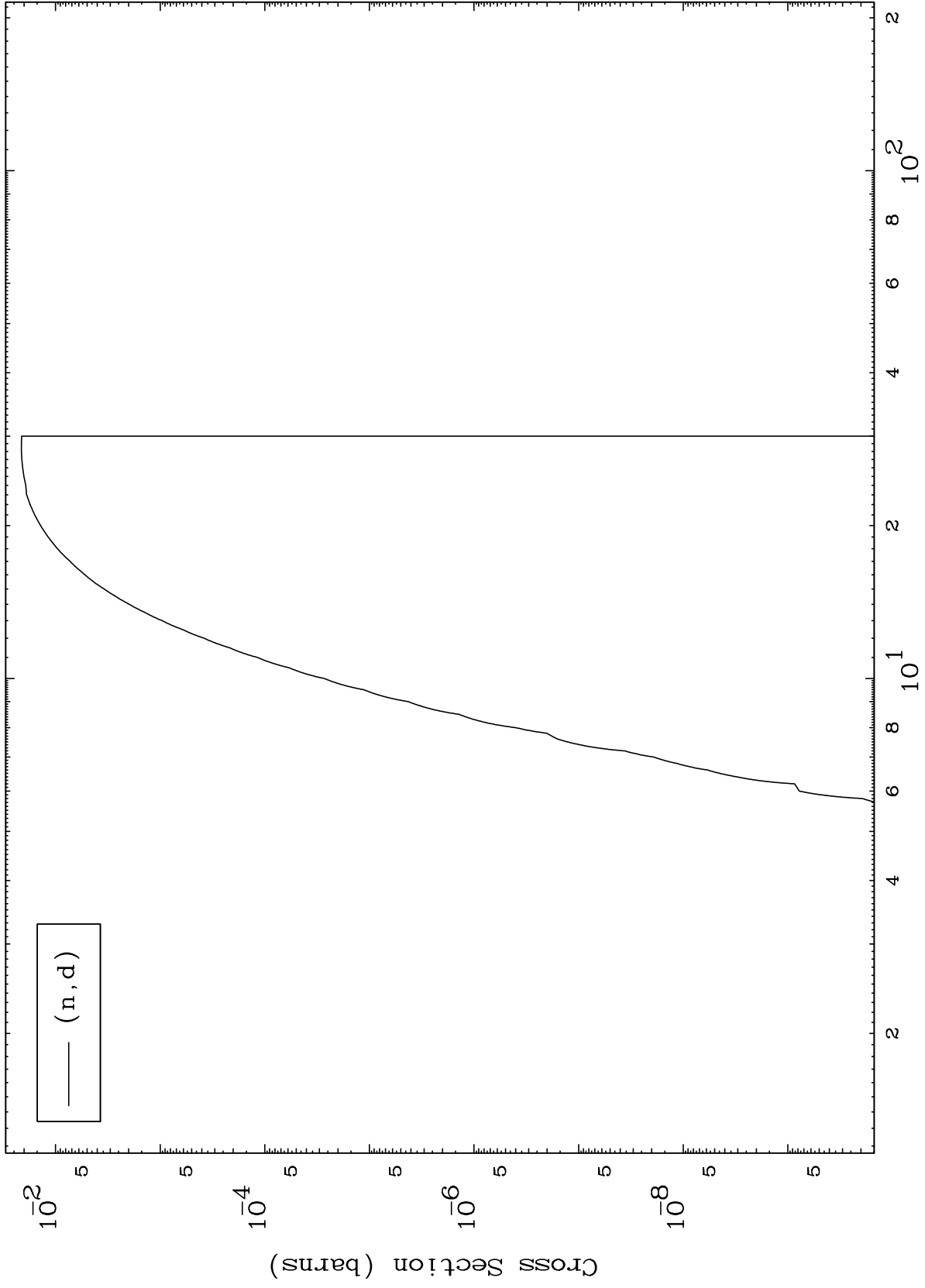
75-Re-179



MAT 7507

(n,d) Levels  
293 Kelvin Cross Sections

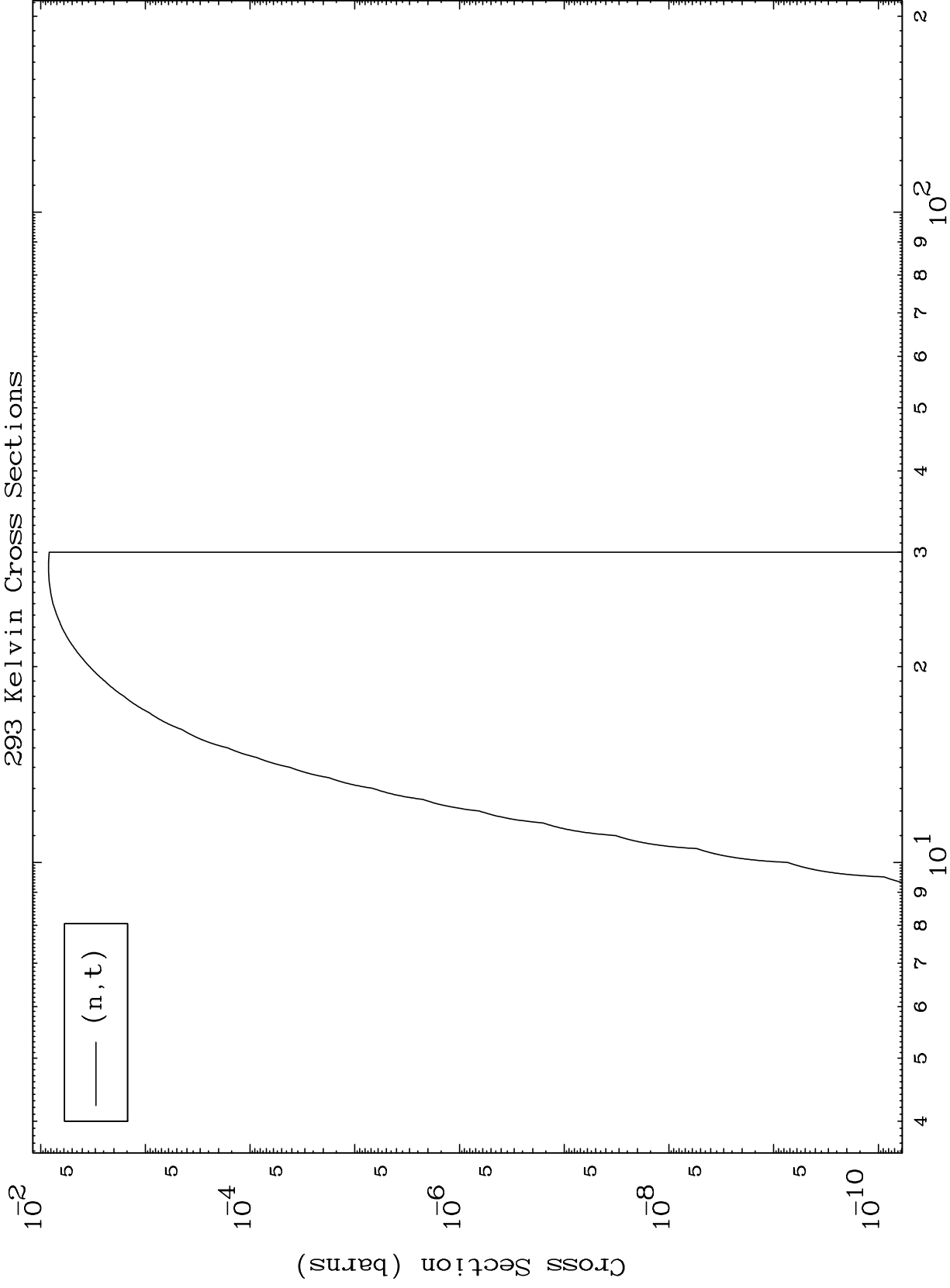
75-Re-179



MAT 7507

(n,t) Levels  
293 Kelvin Cross Sections

75-Re-179



14

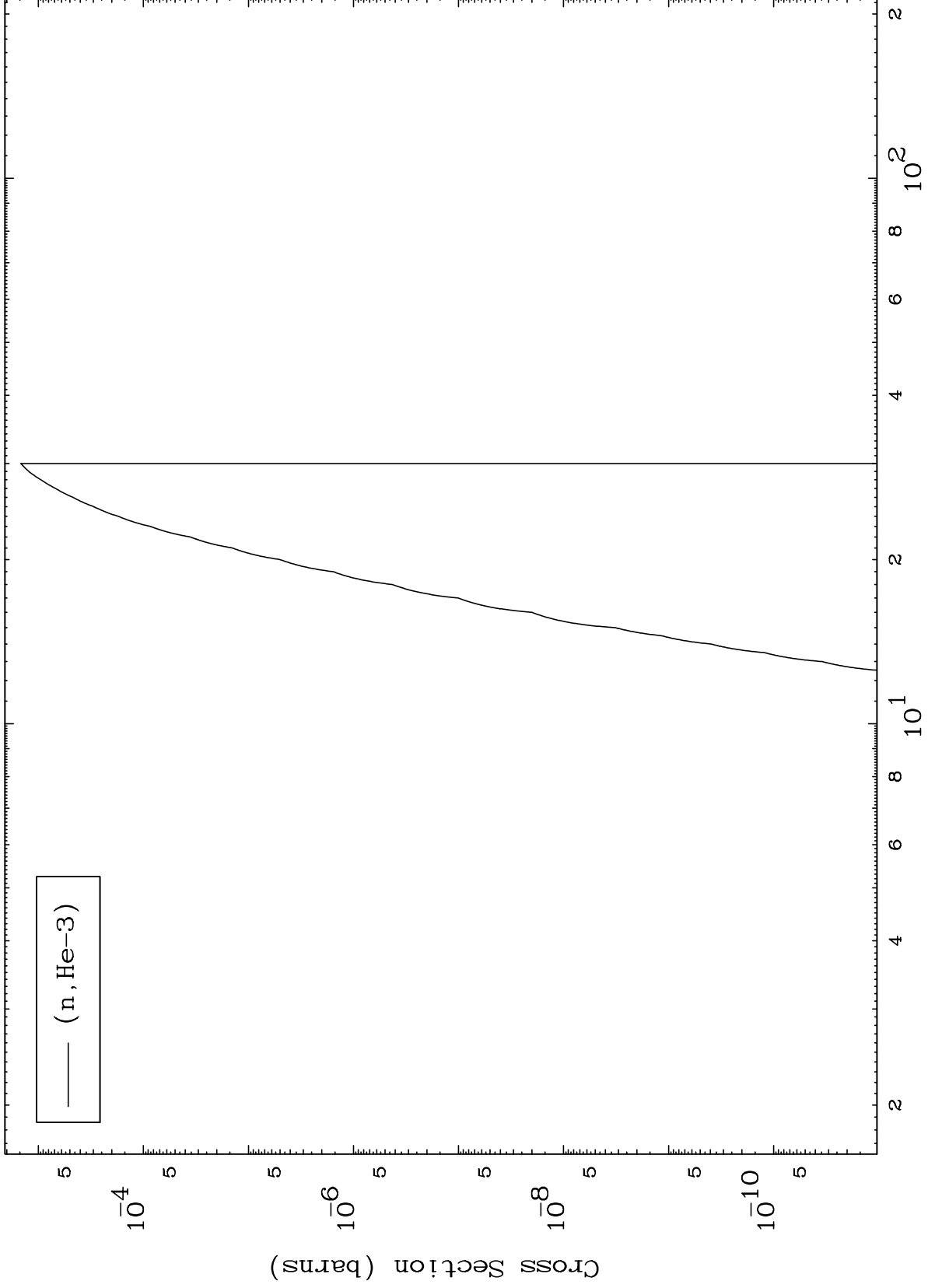
Incident Energy (MeV)

75-Re-179

MAT 7507

(n,He3) Levels  
293 Kelvin Cross Sections

75-Re-179



15

Incident Energy (MeV)

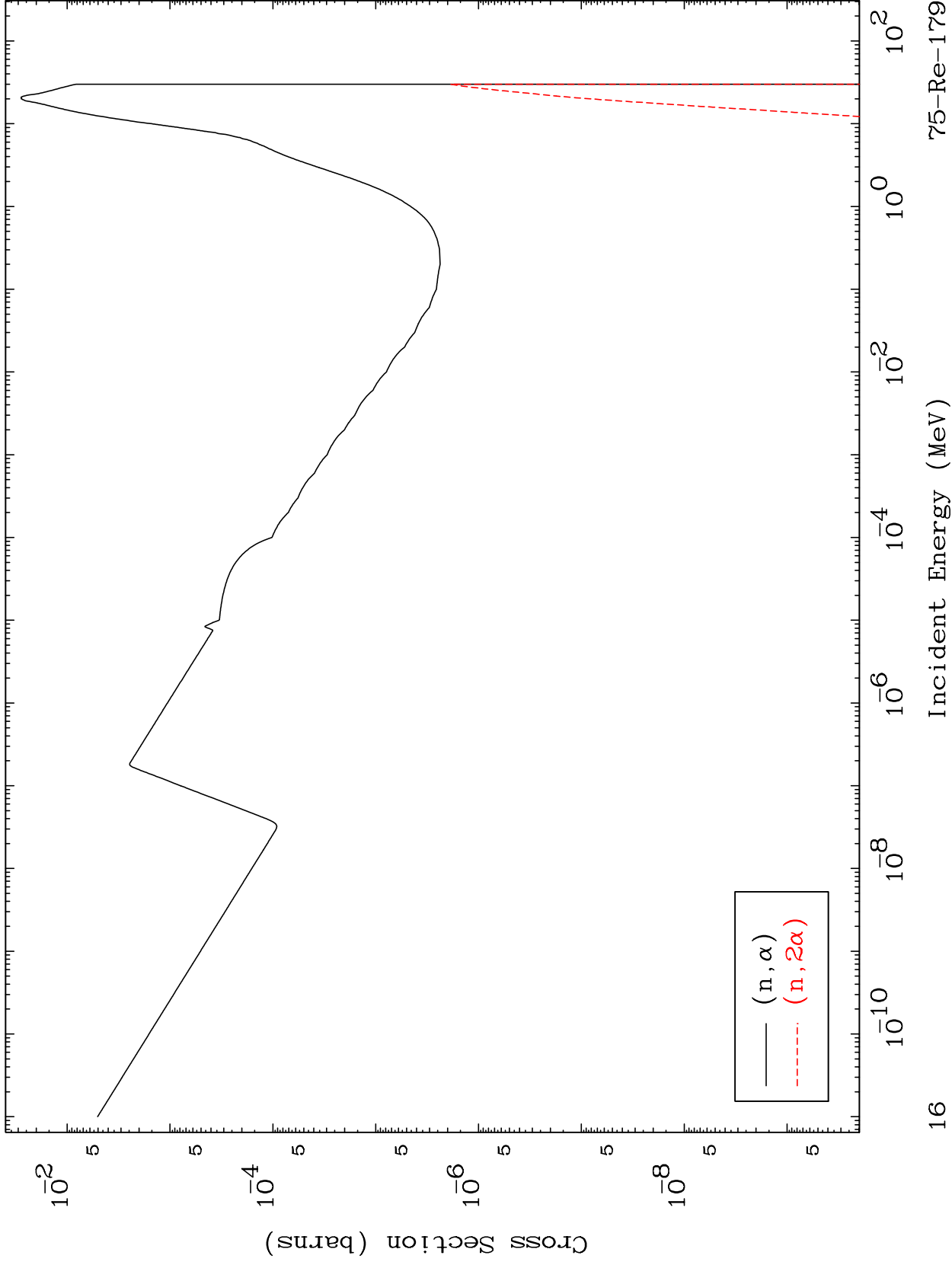
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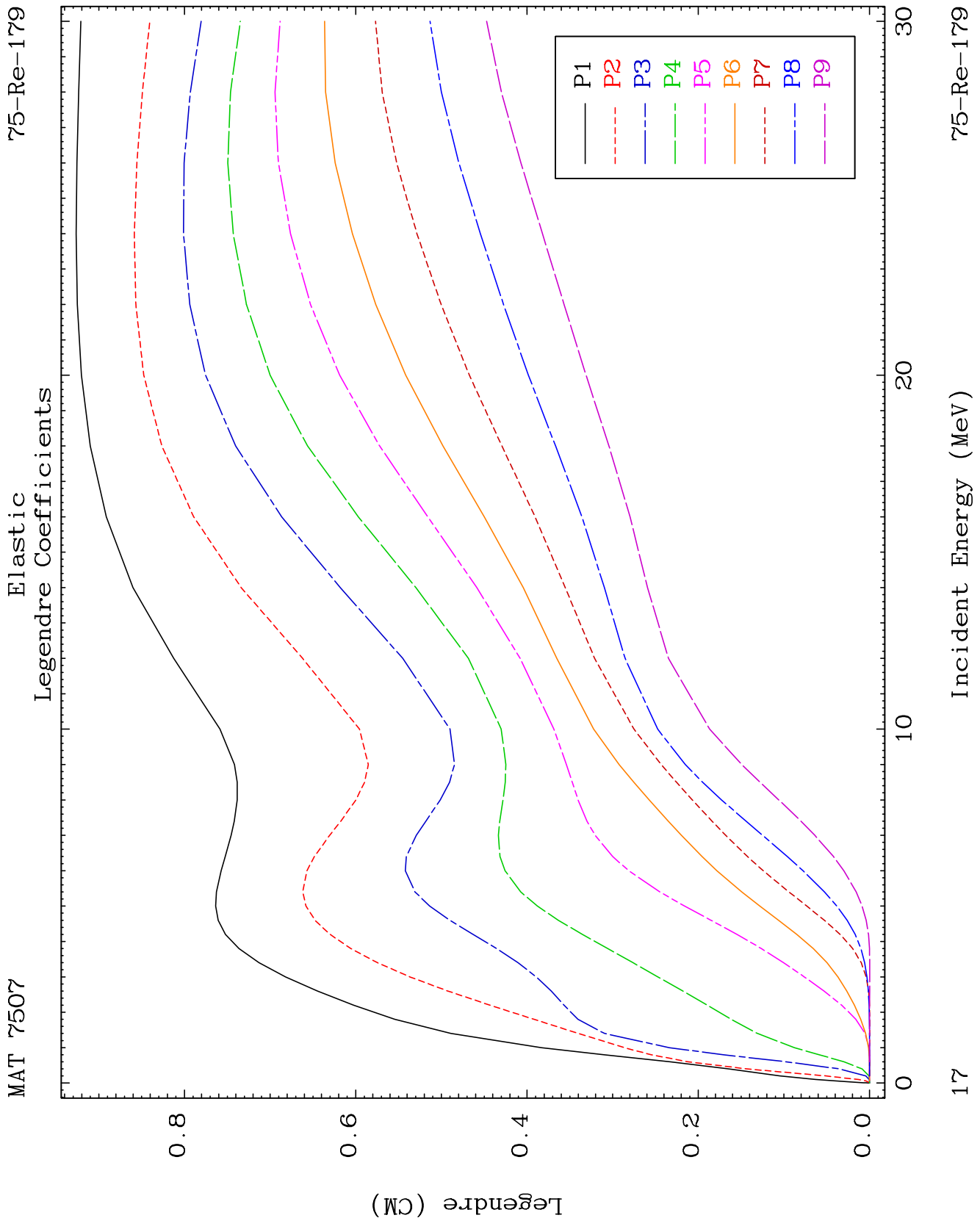


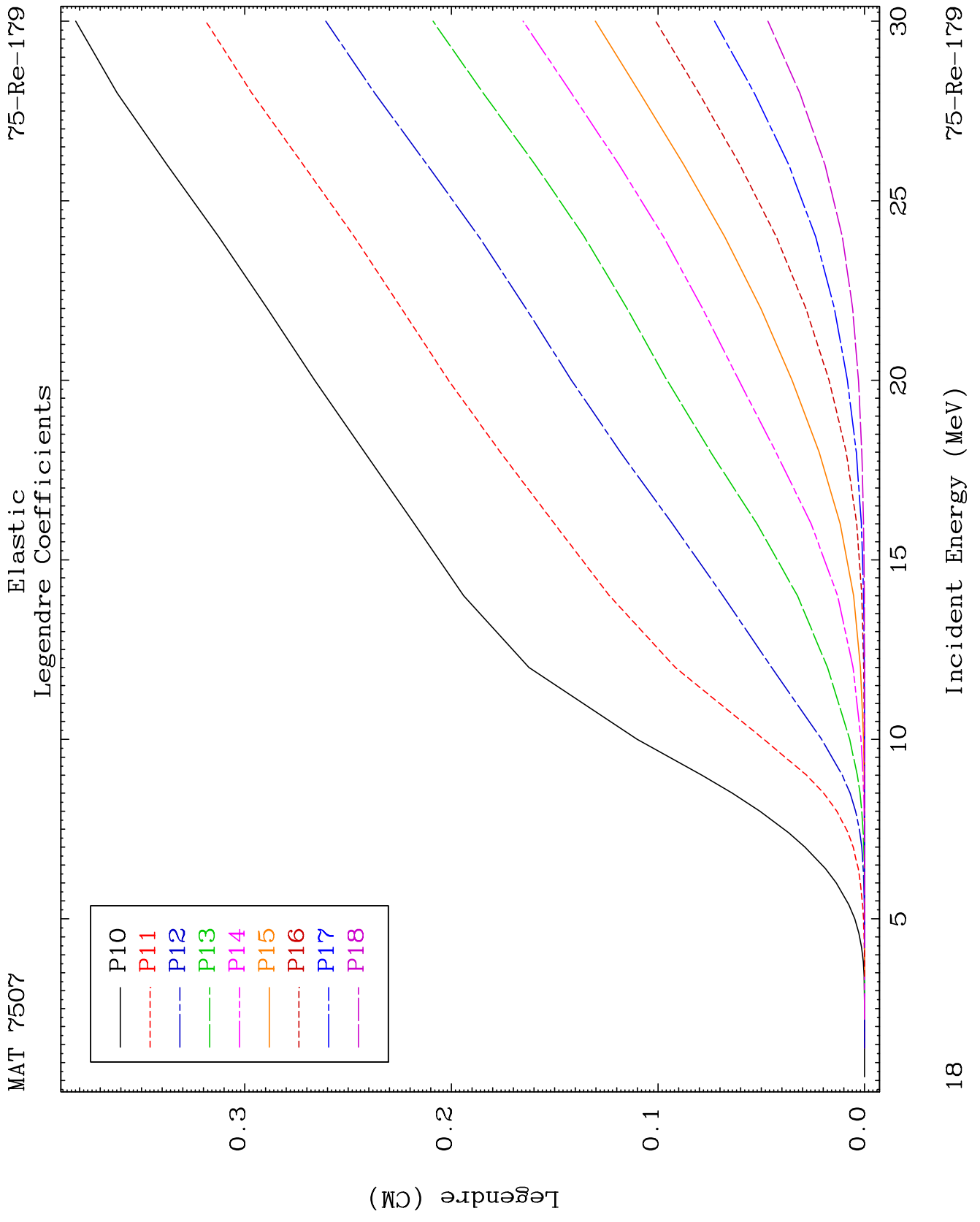
MAT 7507

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

75-Re-179



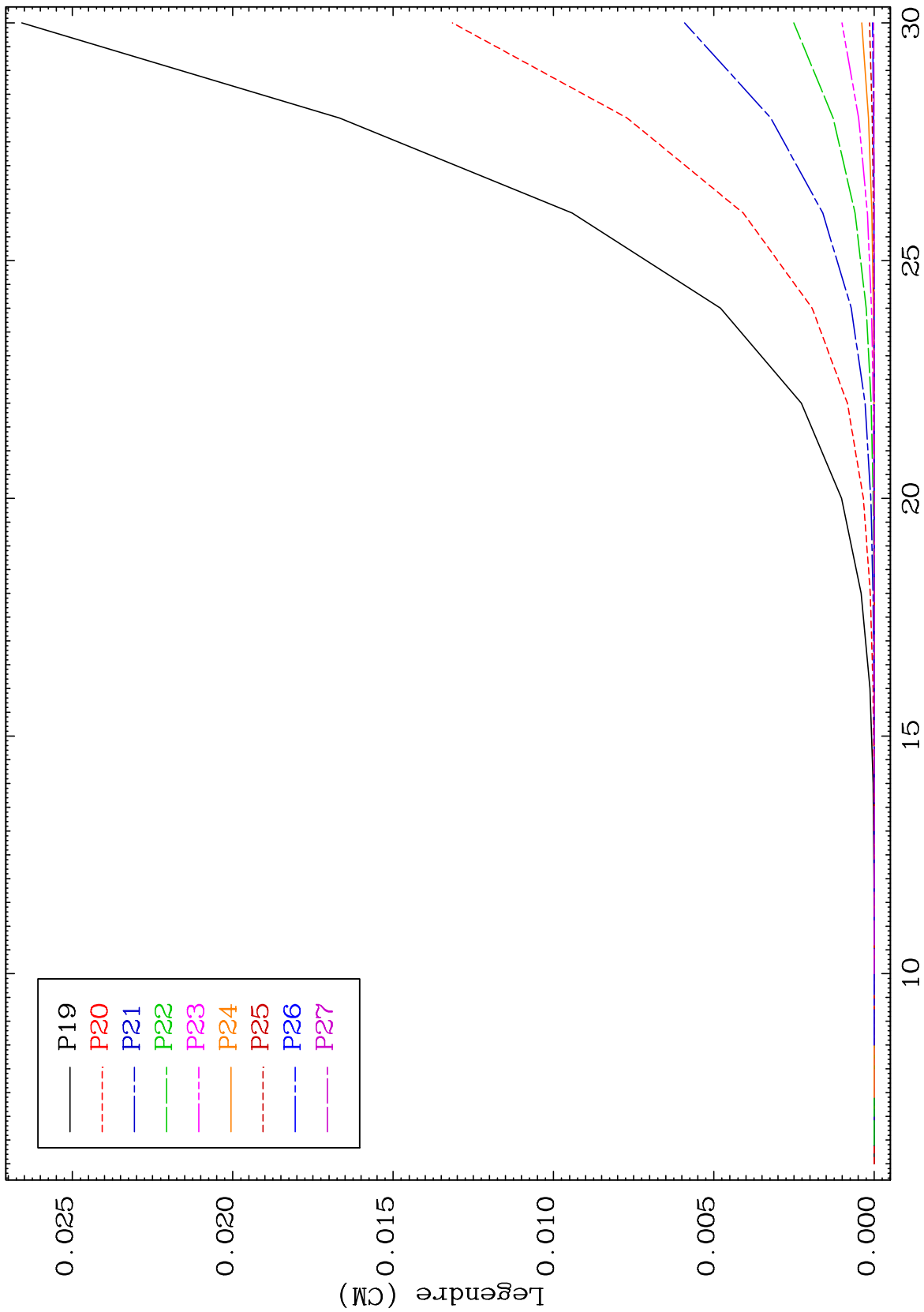




MAT 7507

### Elastic Legendre Coefficients

75-Re-179



19

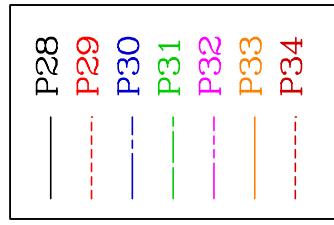
Incident Energy (MeV)

75-Re-179

MAT 7507

Elastic  
Legendre Coefficients

75-Re-179



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

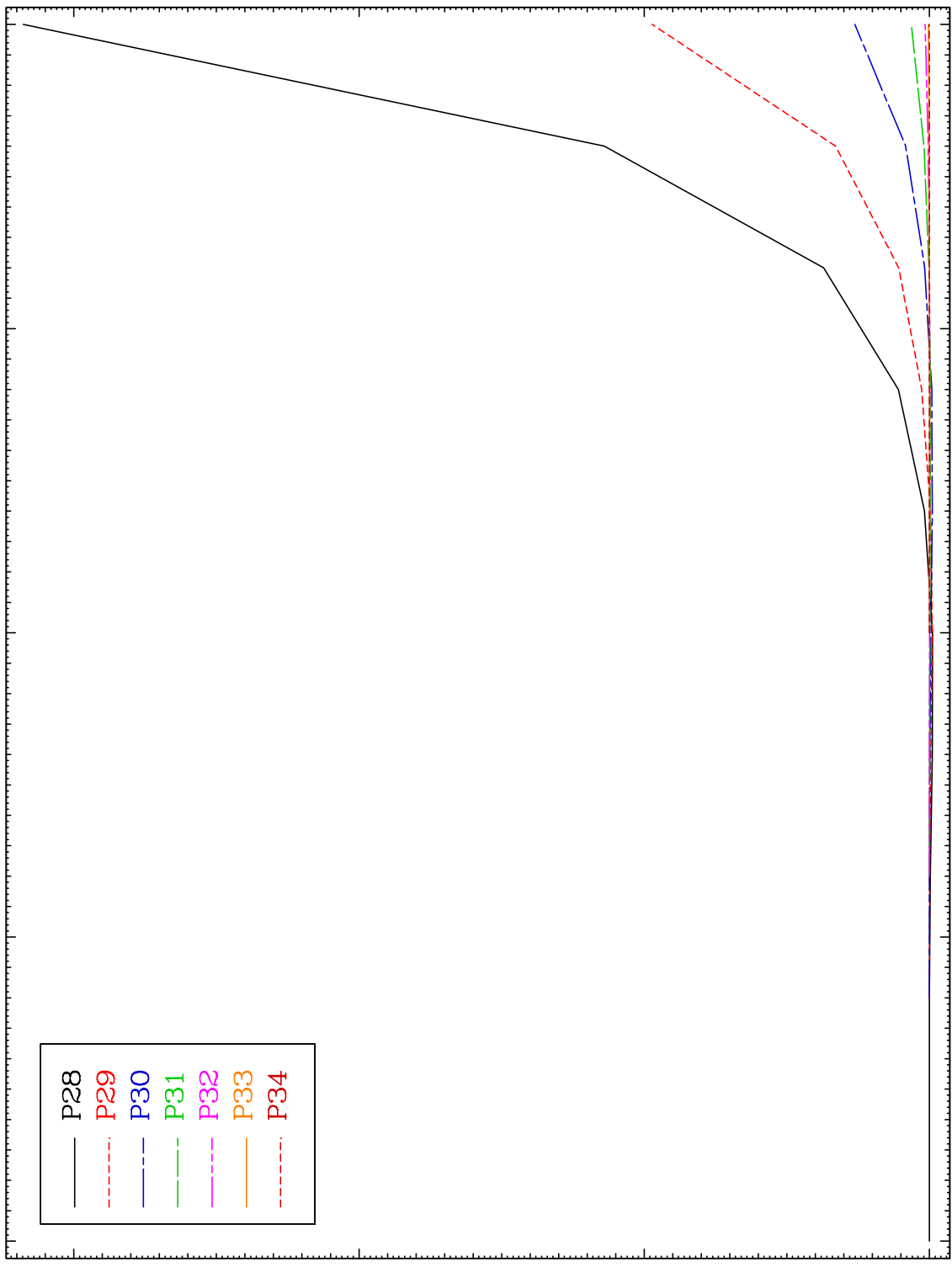
25

30

20

Incident Energy (MeV)

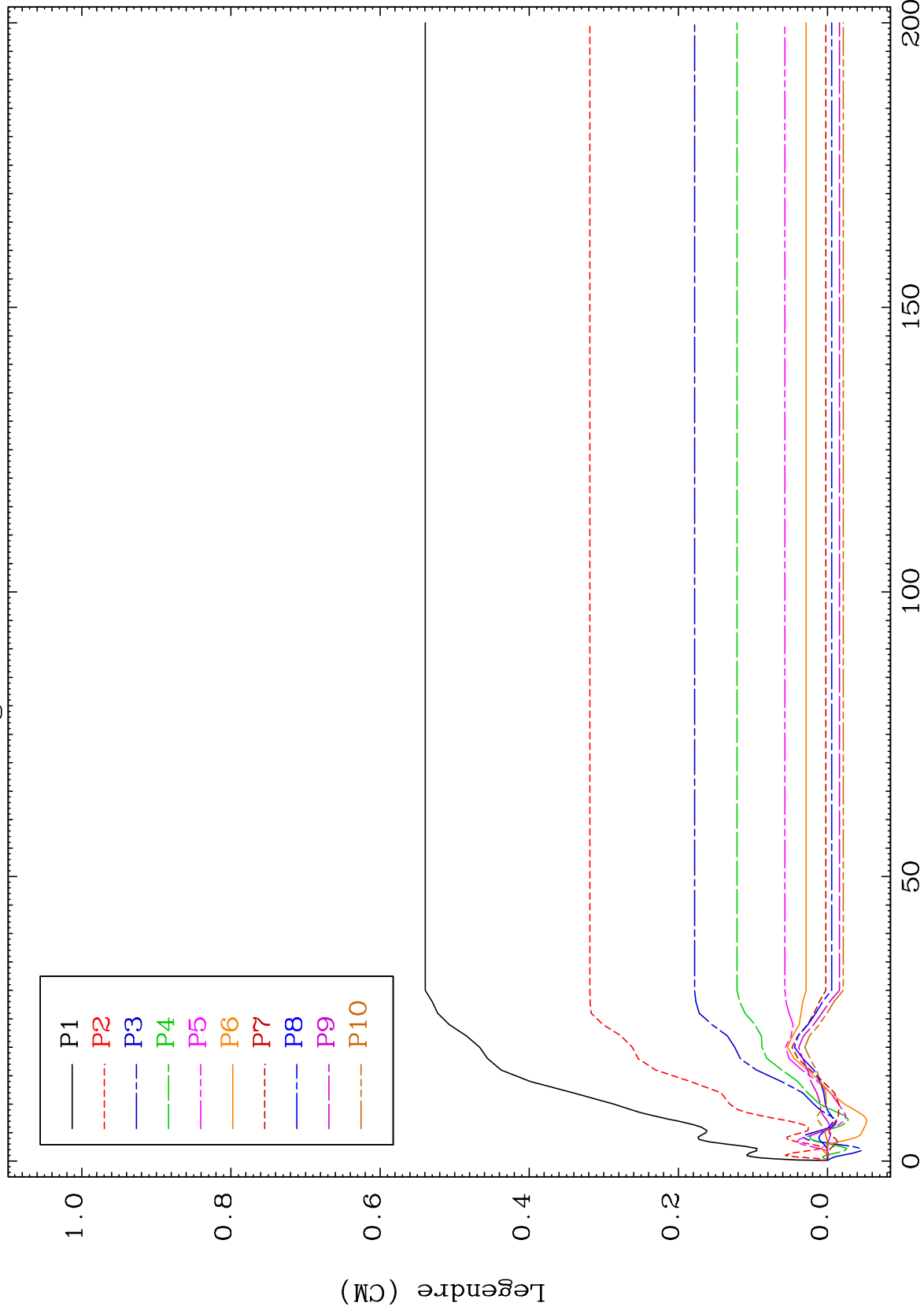
75-Re-179



MAT 7507

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

75-Re-179



21

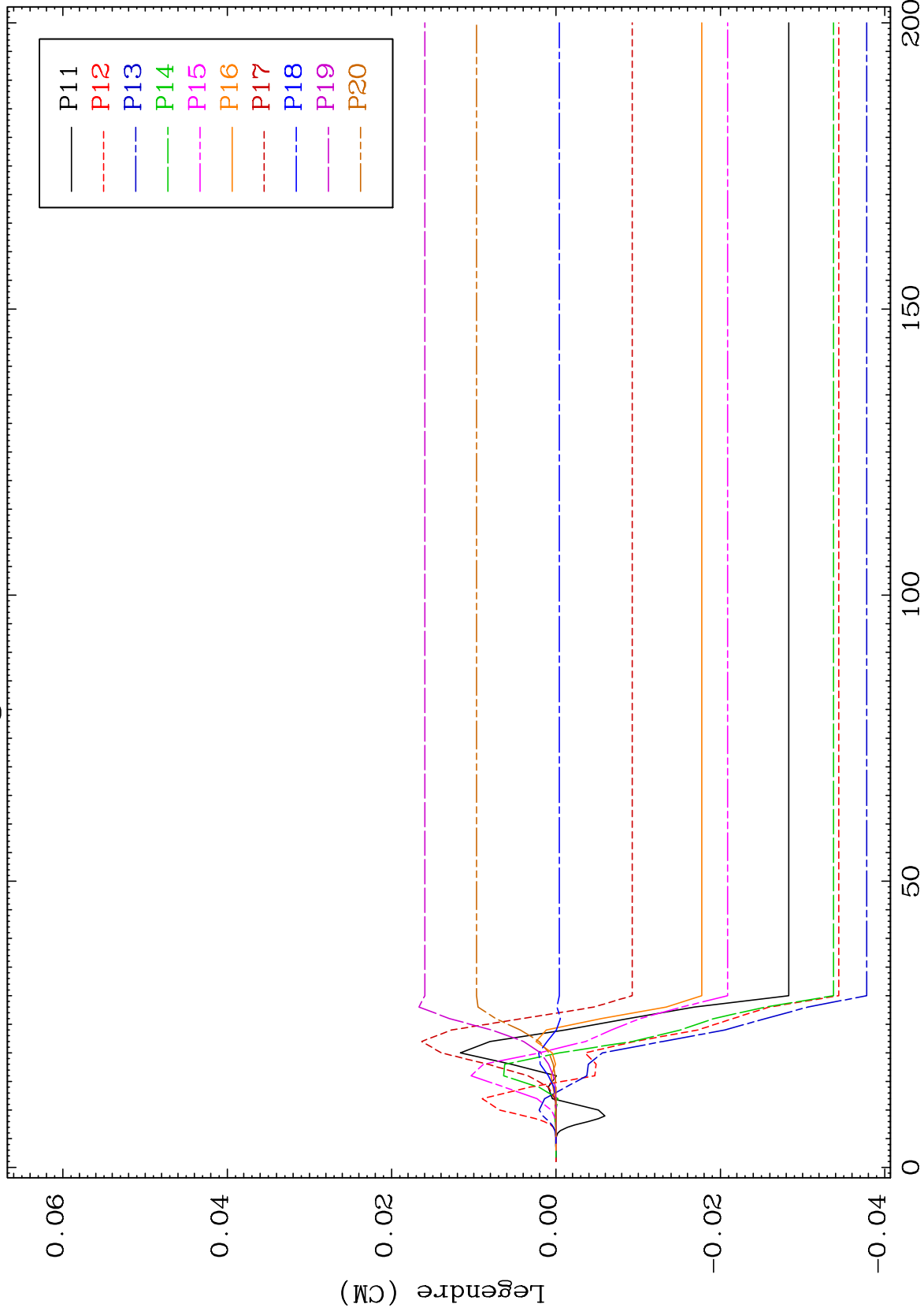
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



22

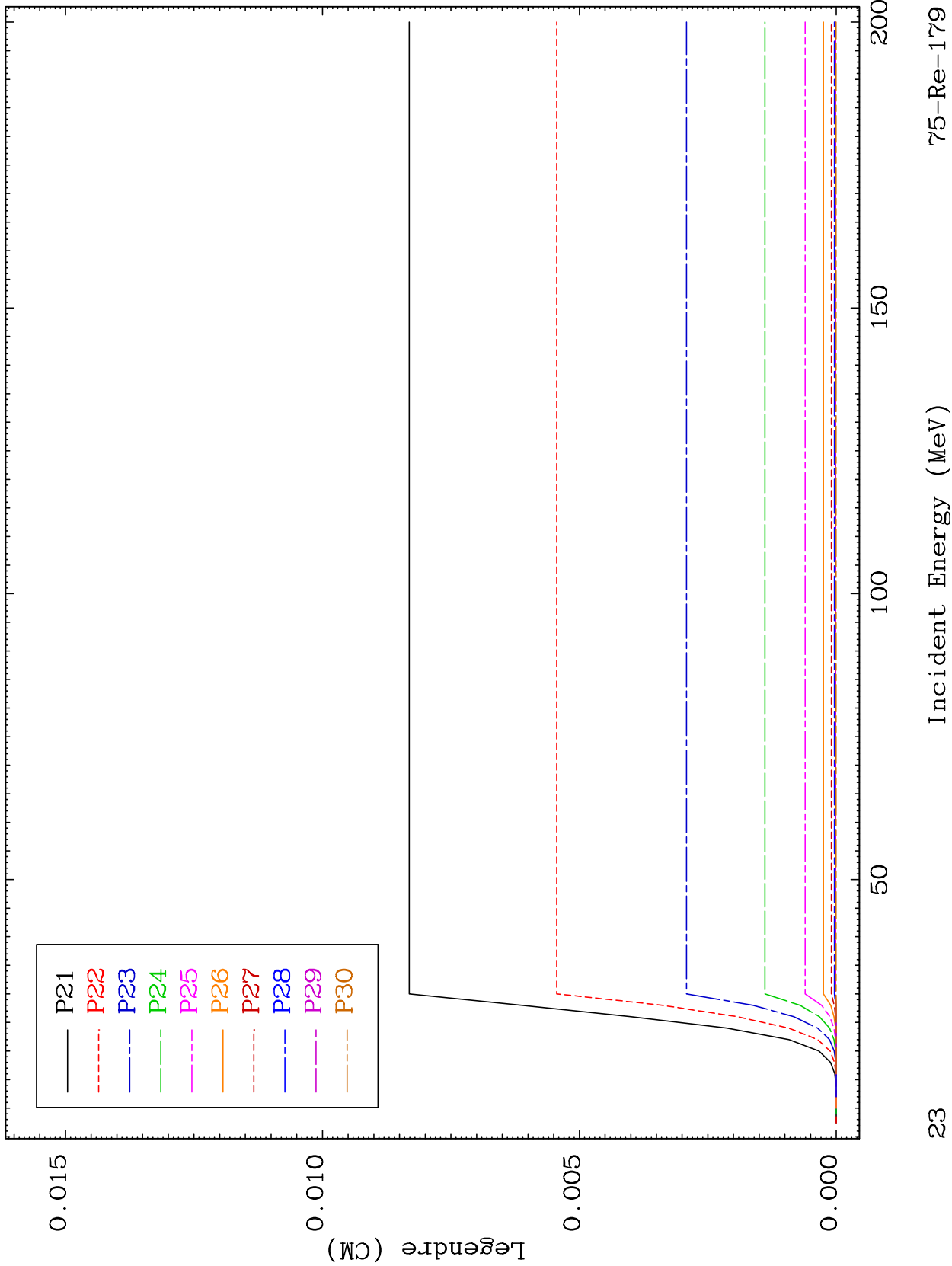
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179

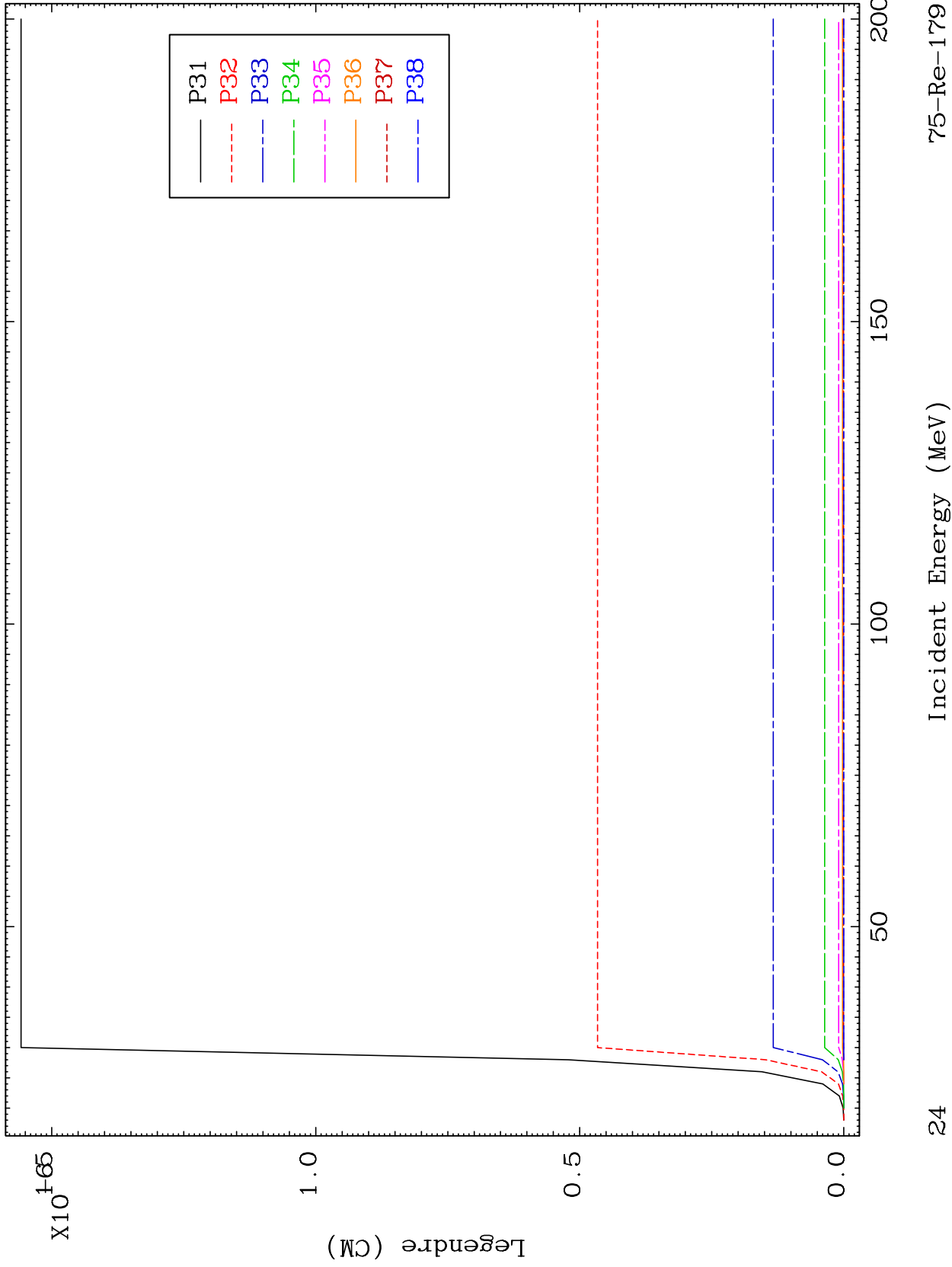




MAT 7507

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

75-Re-179



24

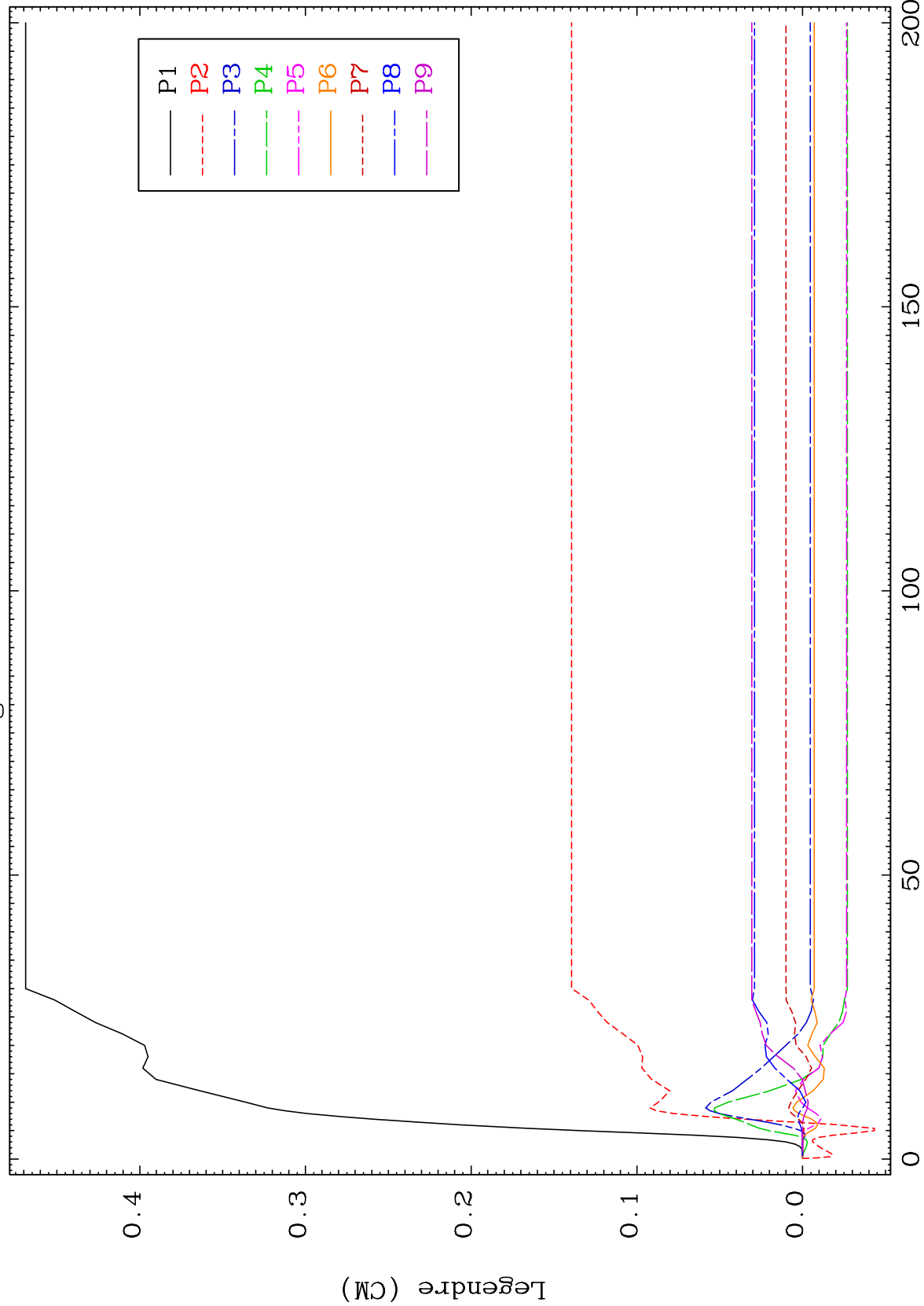
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



75-Re-179

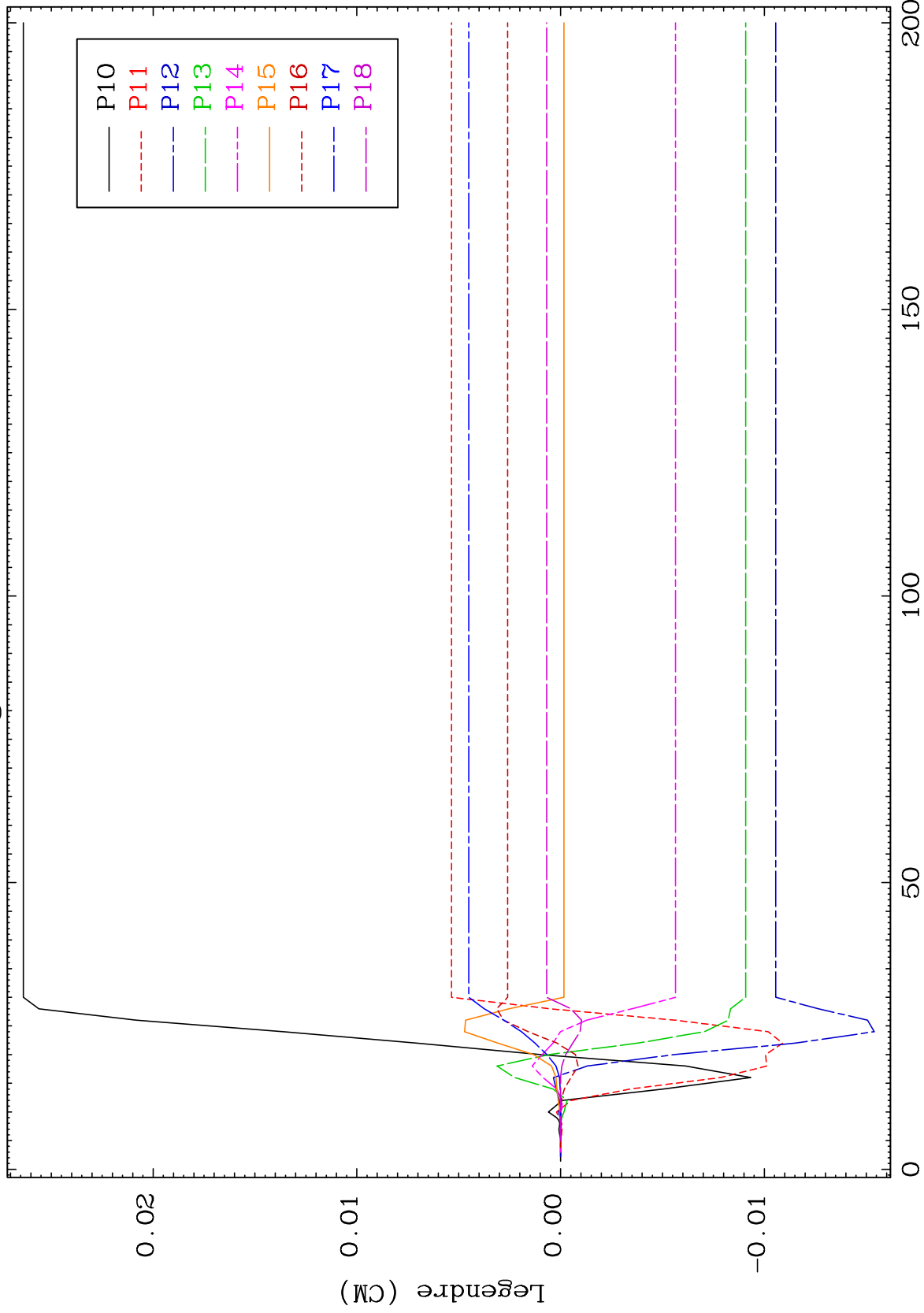
Incident Energy (MeV)

25

MAT 7507

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

75-Re-179



75-Re-179

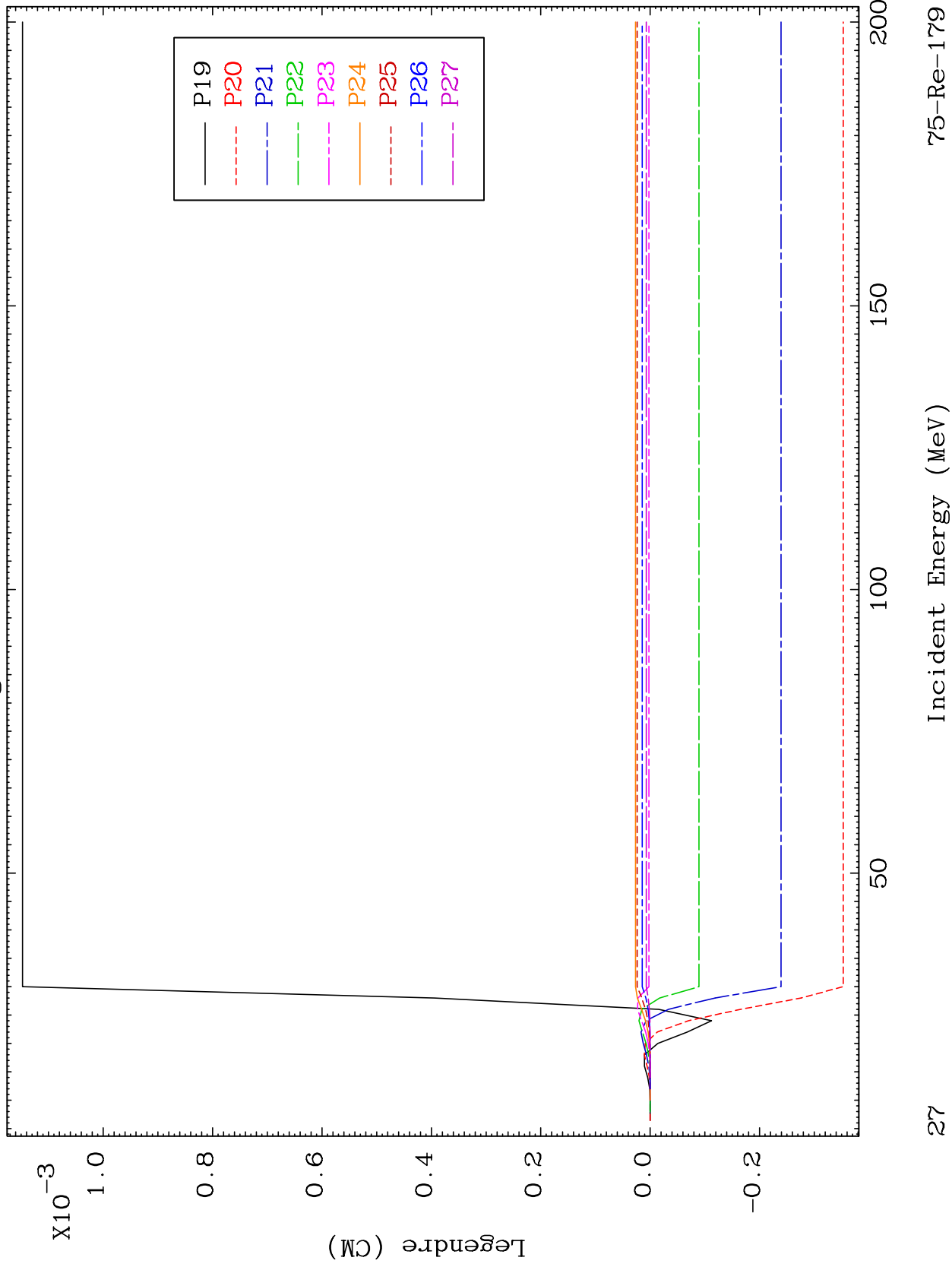
Incident Energy (MeV)

26

MAT 7507

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

75-Re-179



27

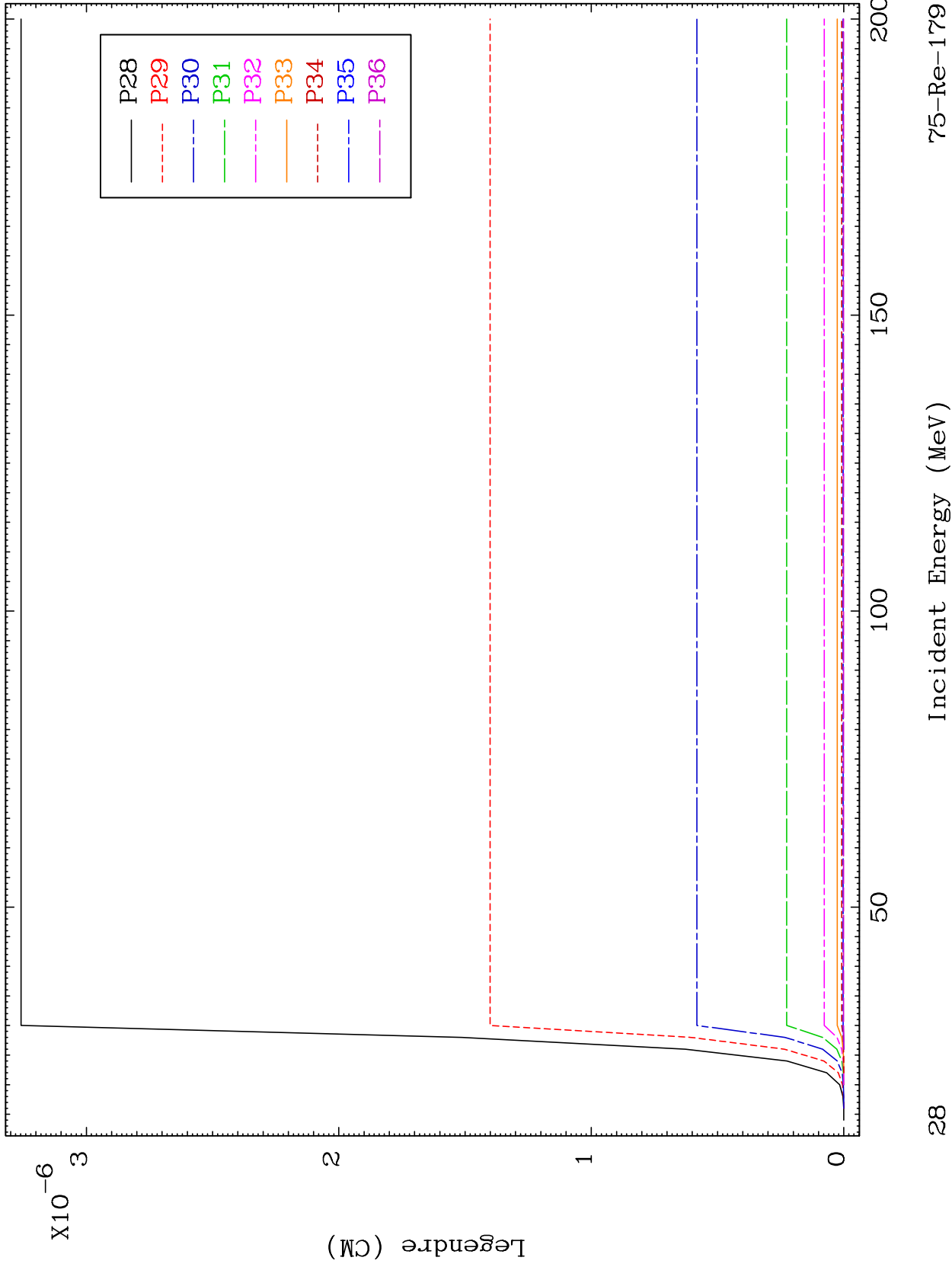
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



28

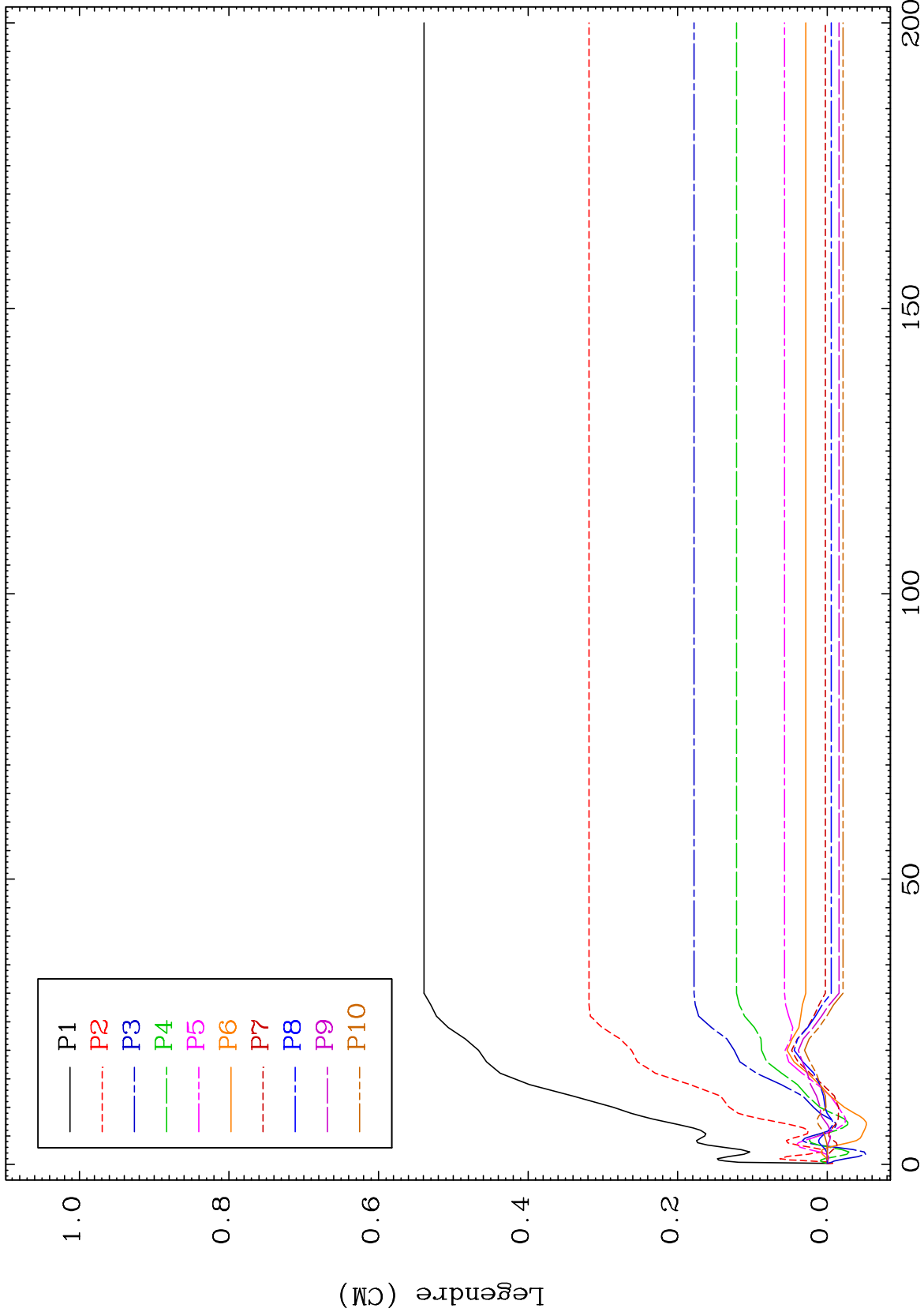
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



29

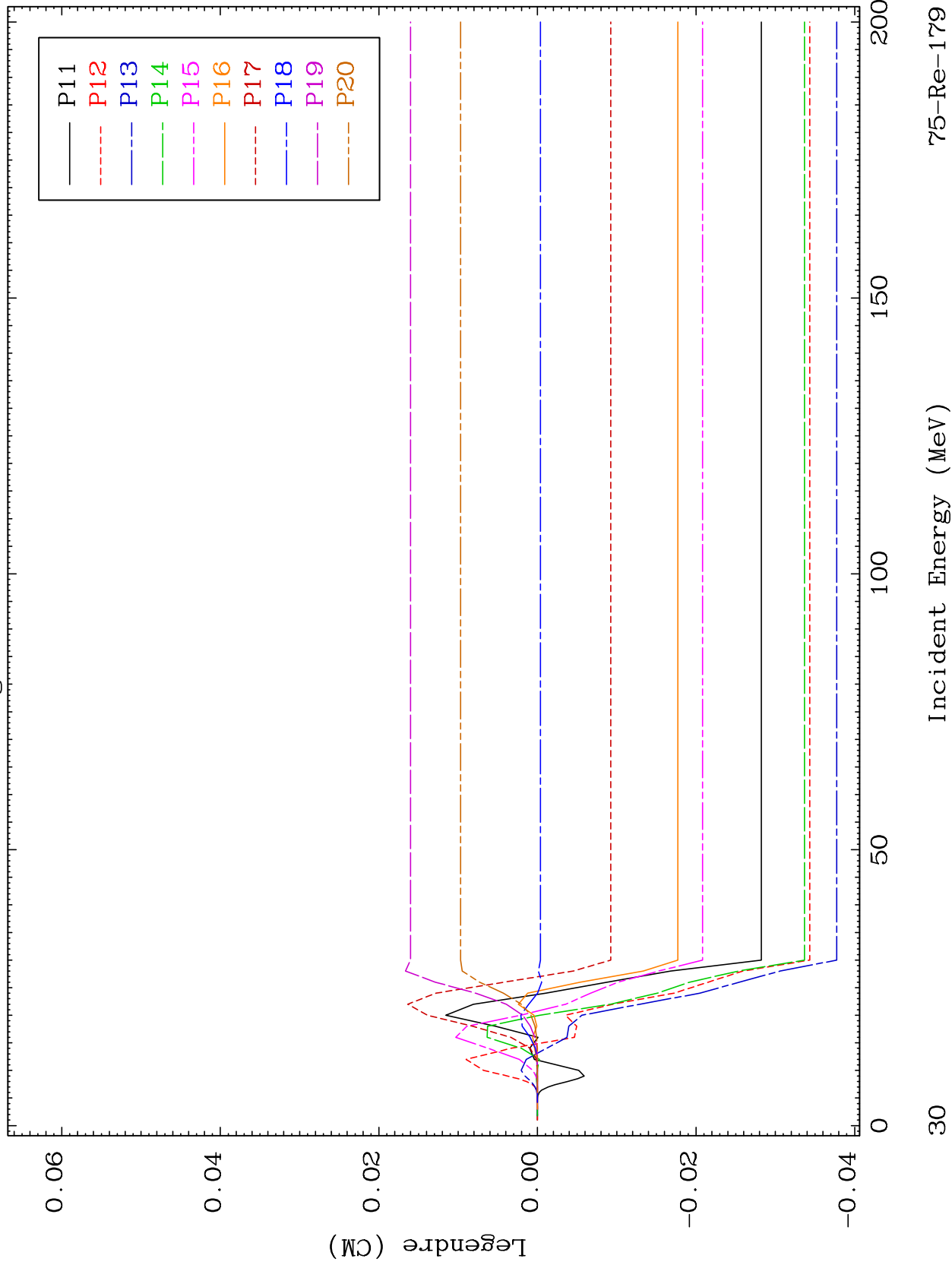
Incident Energy (MeV)

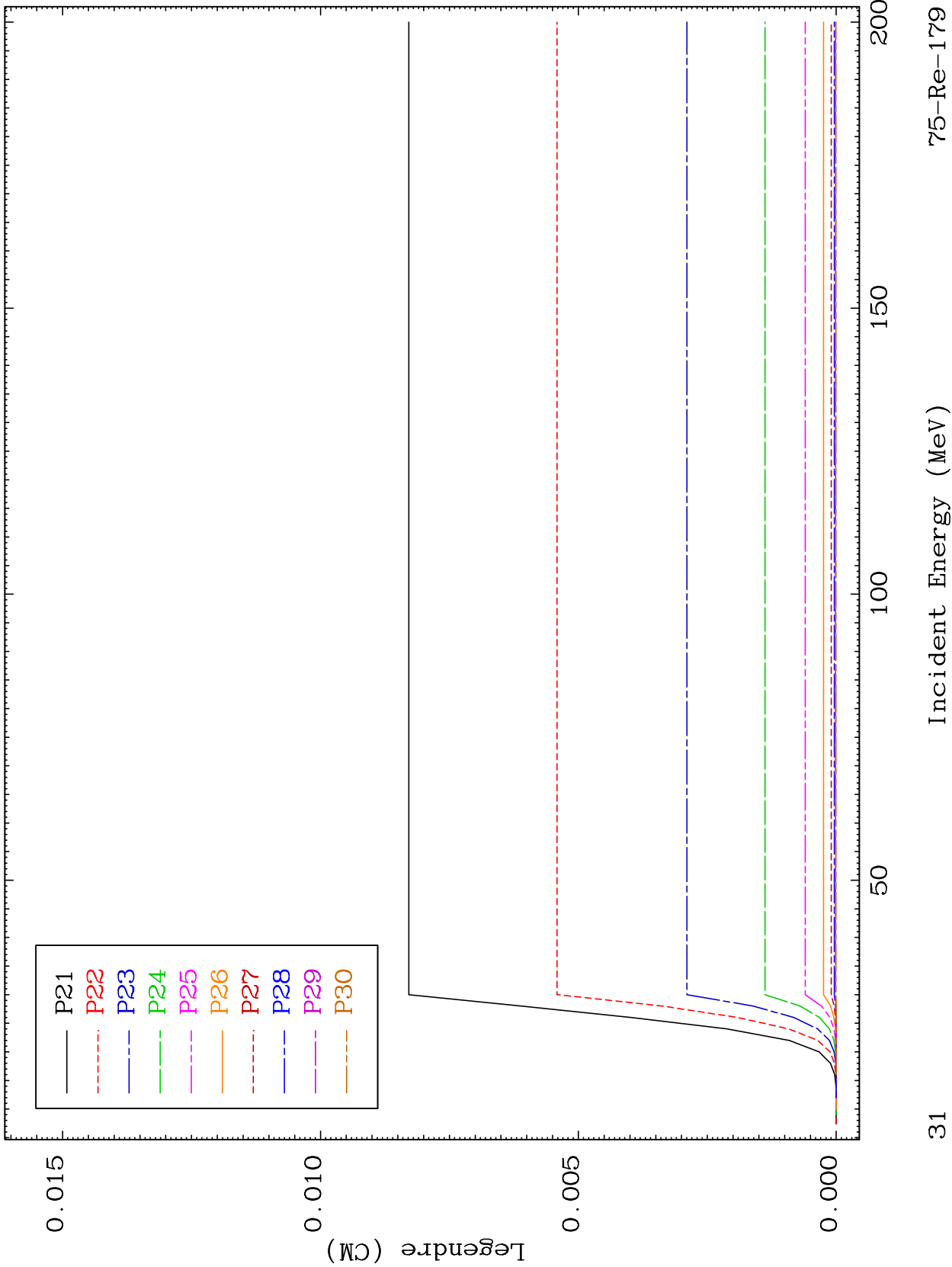
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MAT 7507

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

75-Re-179



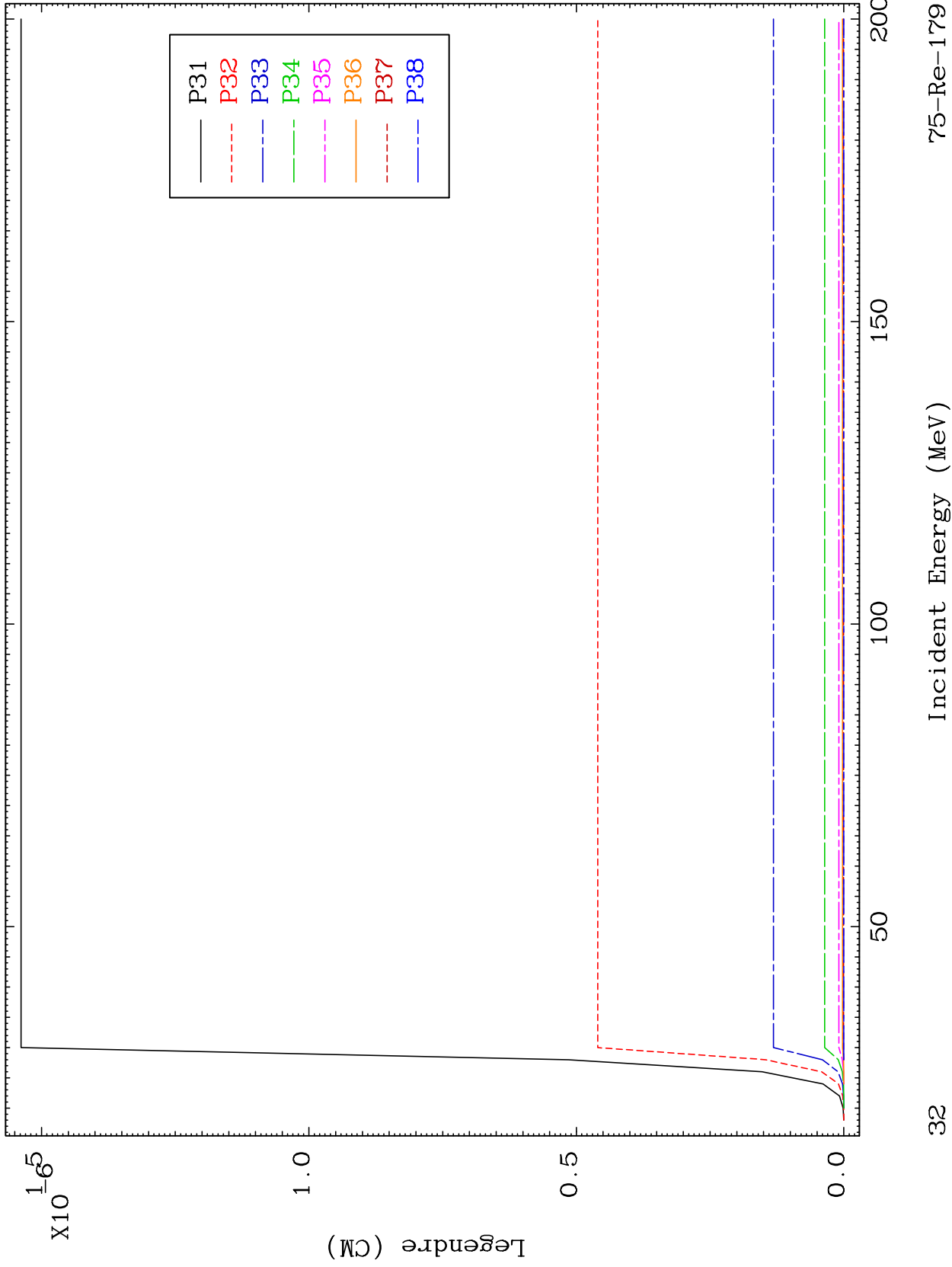




MAT 7507

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

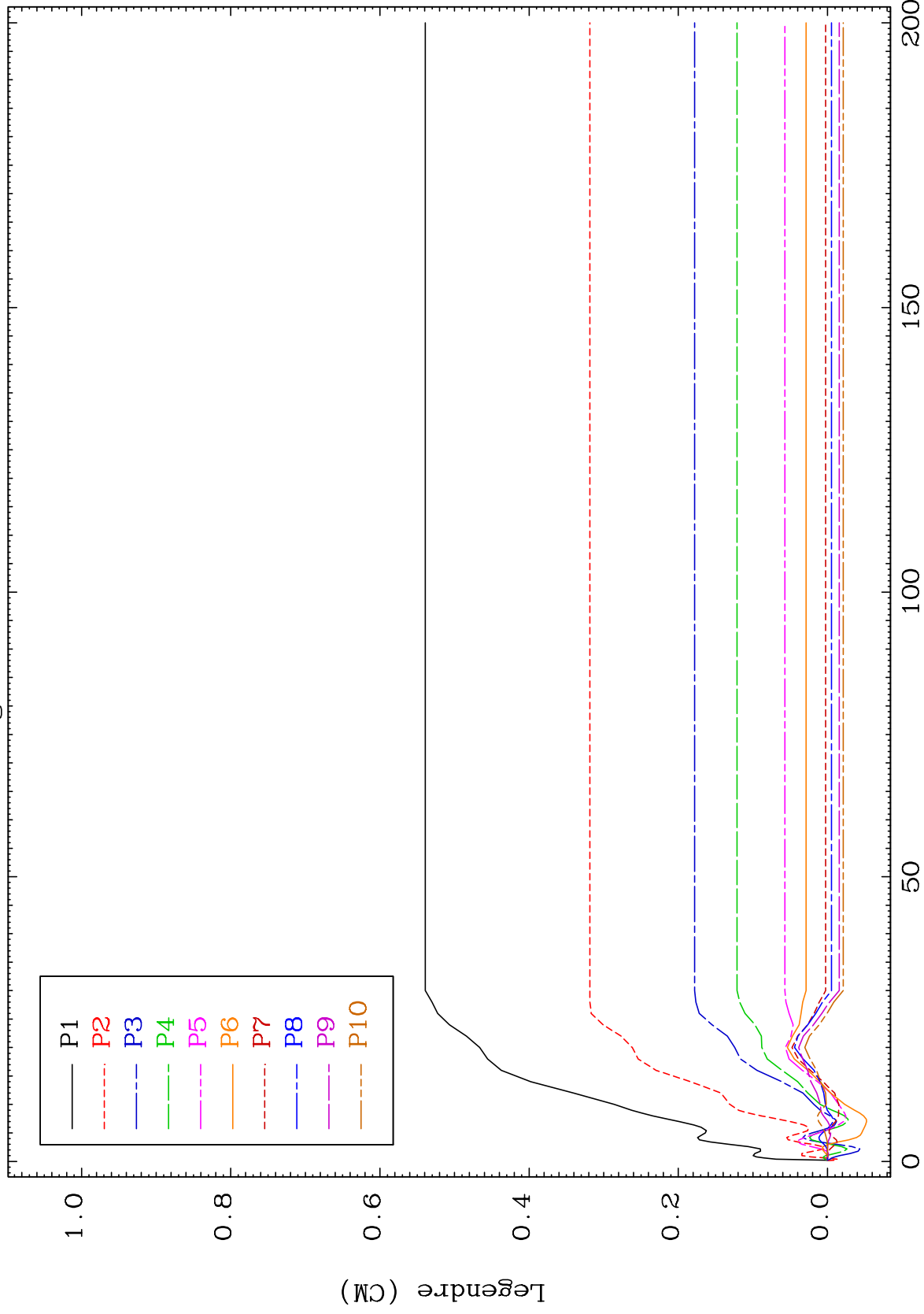
75-Re-179



MAT 7507

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

75-Re-179



33

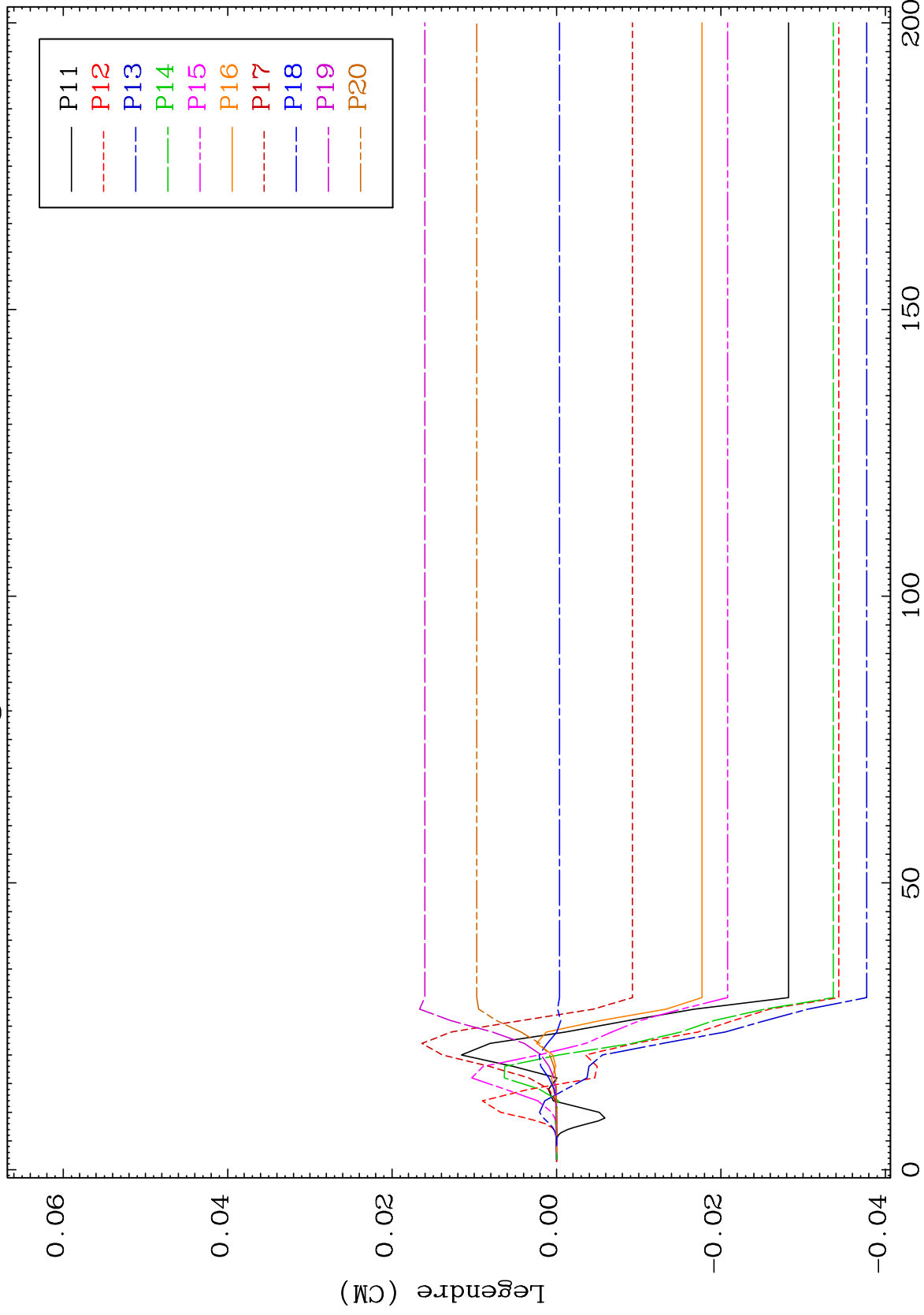
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



34

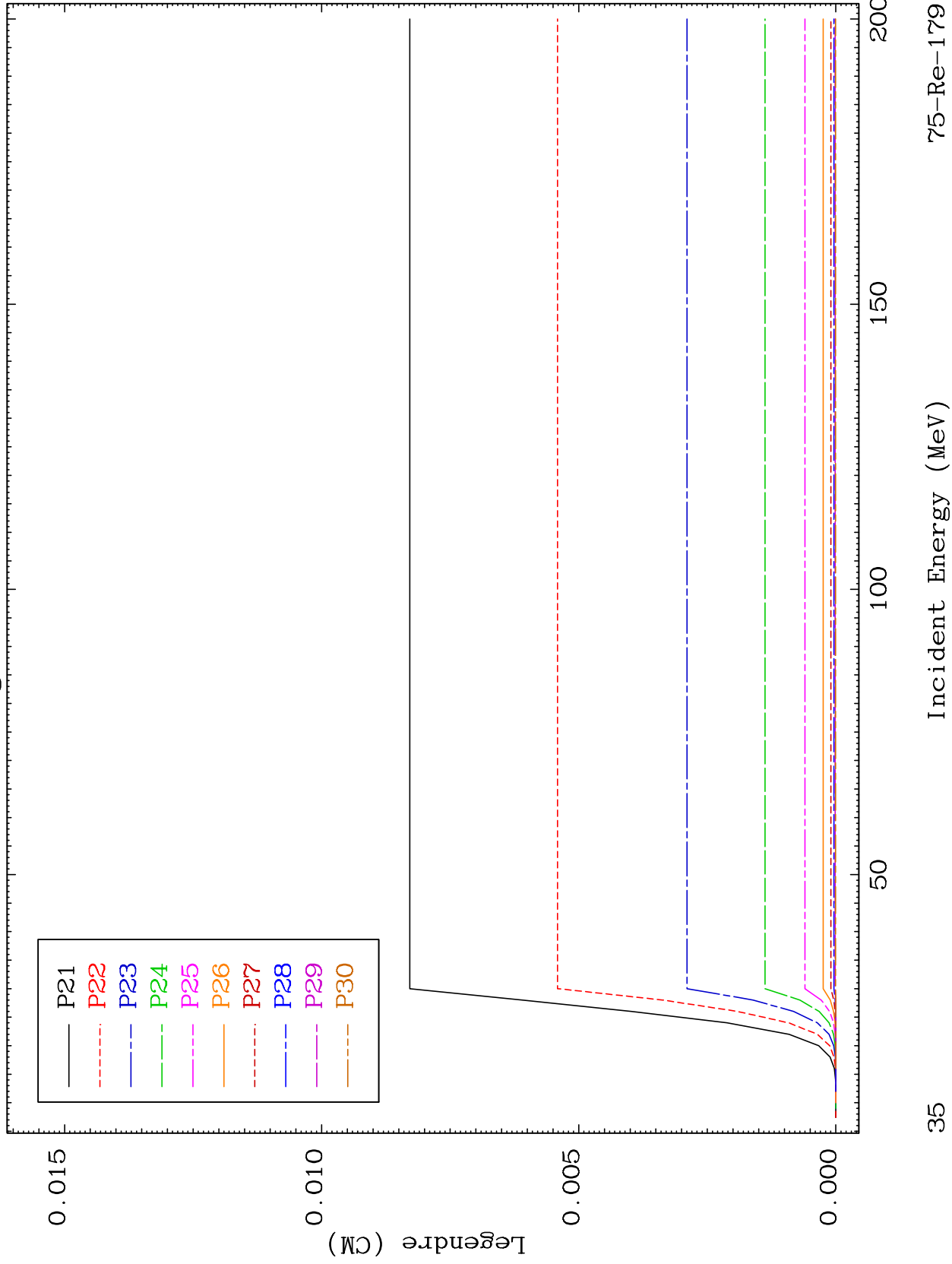
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



35

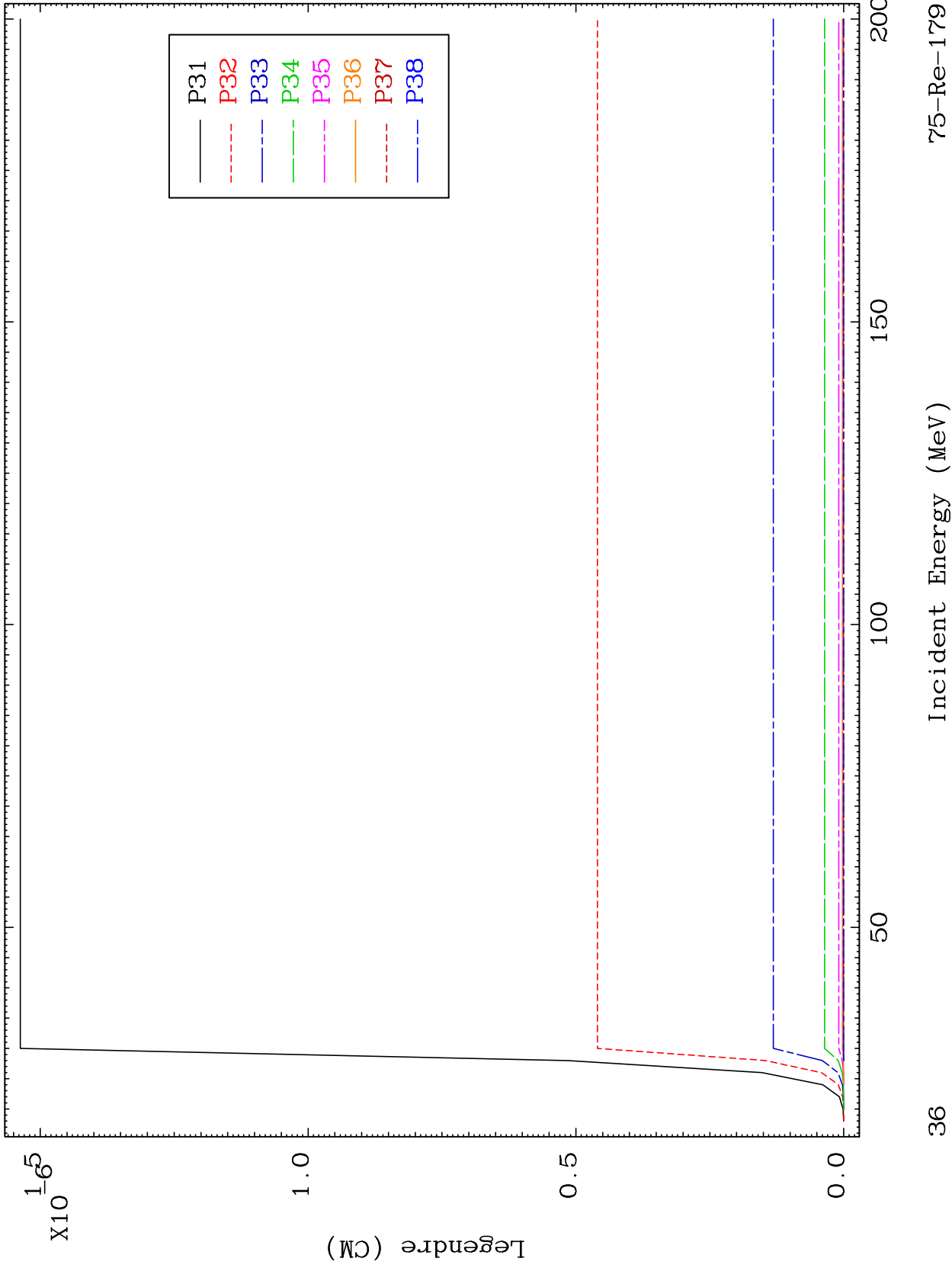
Incident Energy (MeV)

75-Re-179

MAT 7507

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

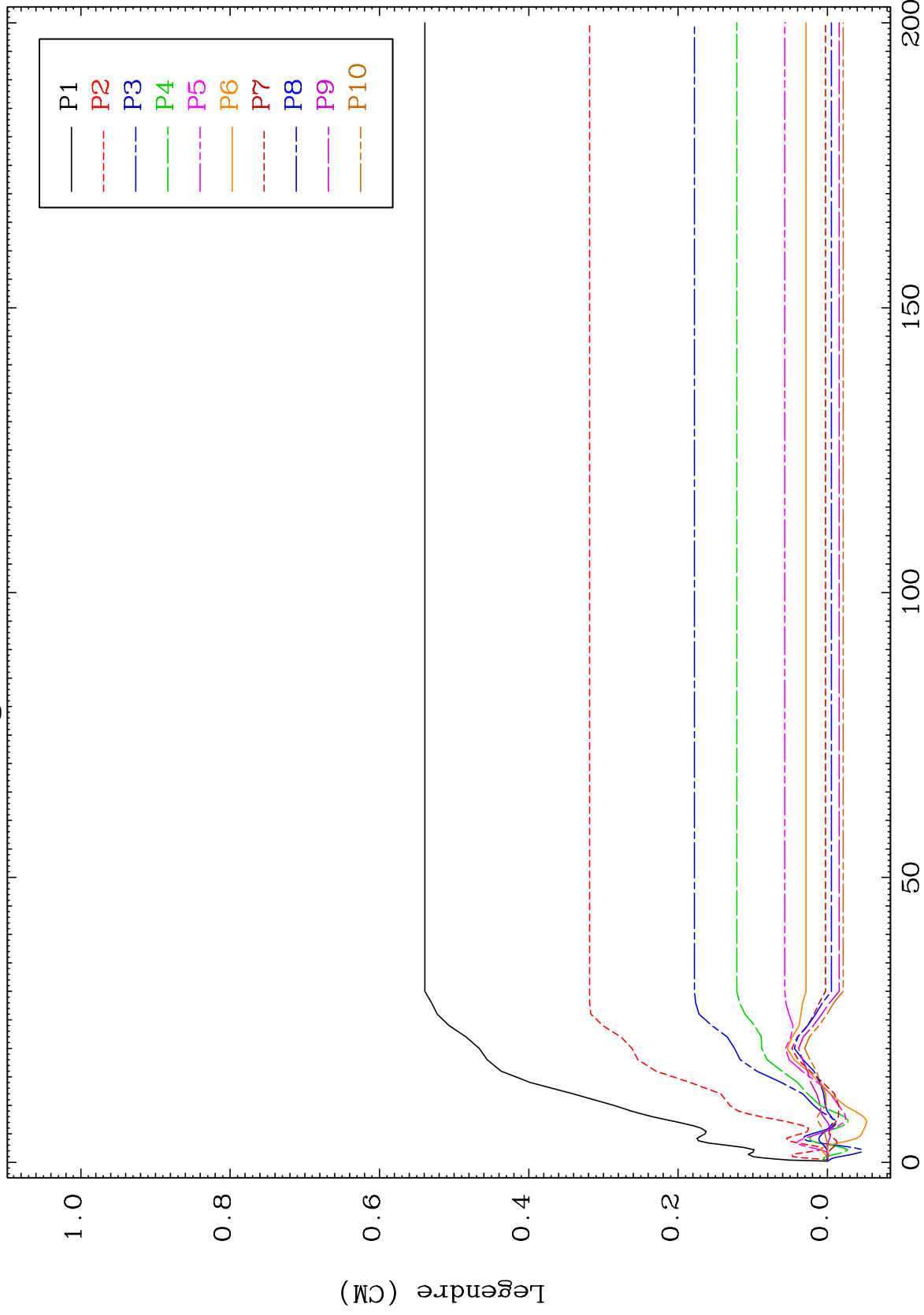
75-Re-179



MAT 7507

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

75-Re-179



75-Re-179

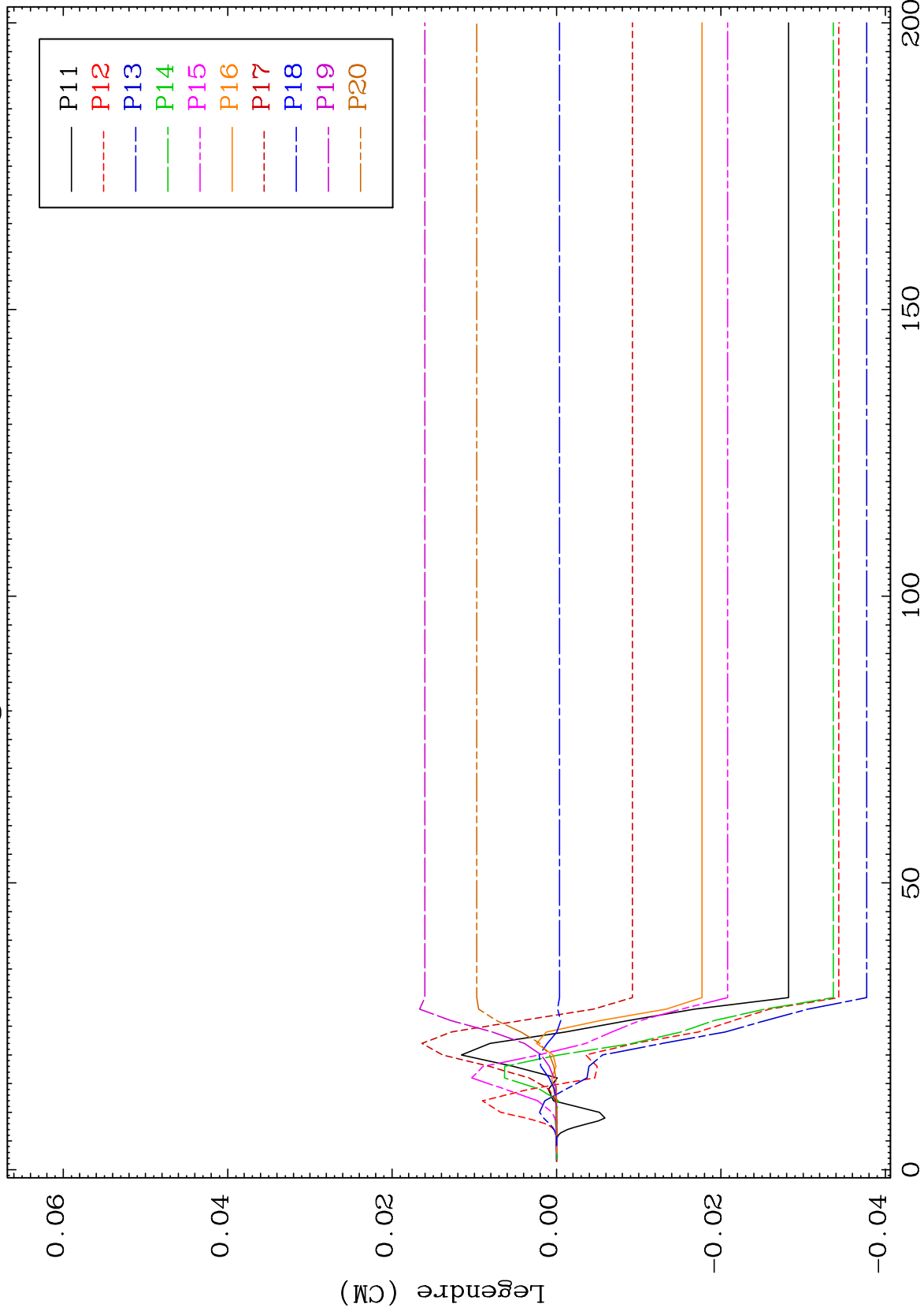
Incident Energy (MeV)

37

MAT 7507

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

75-Re-179



38

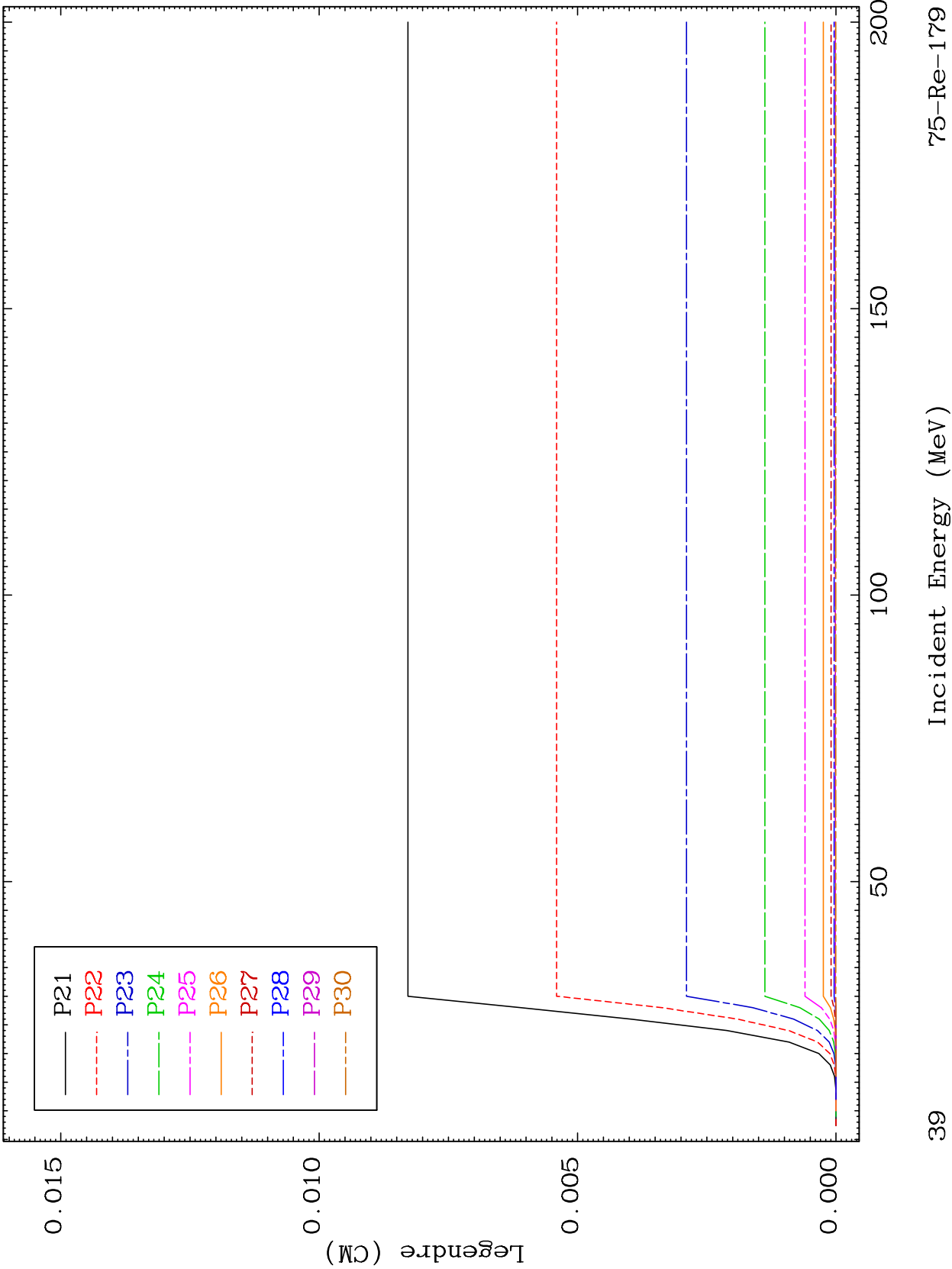
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



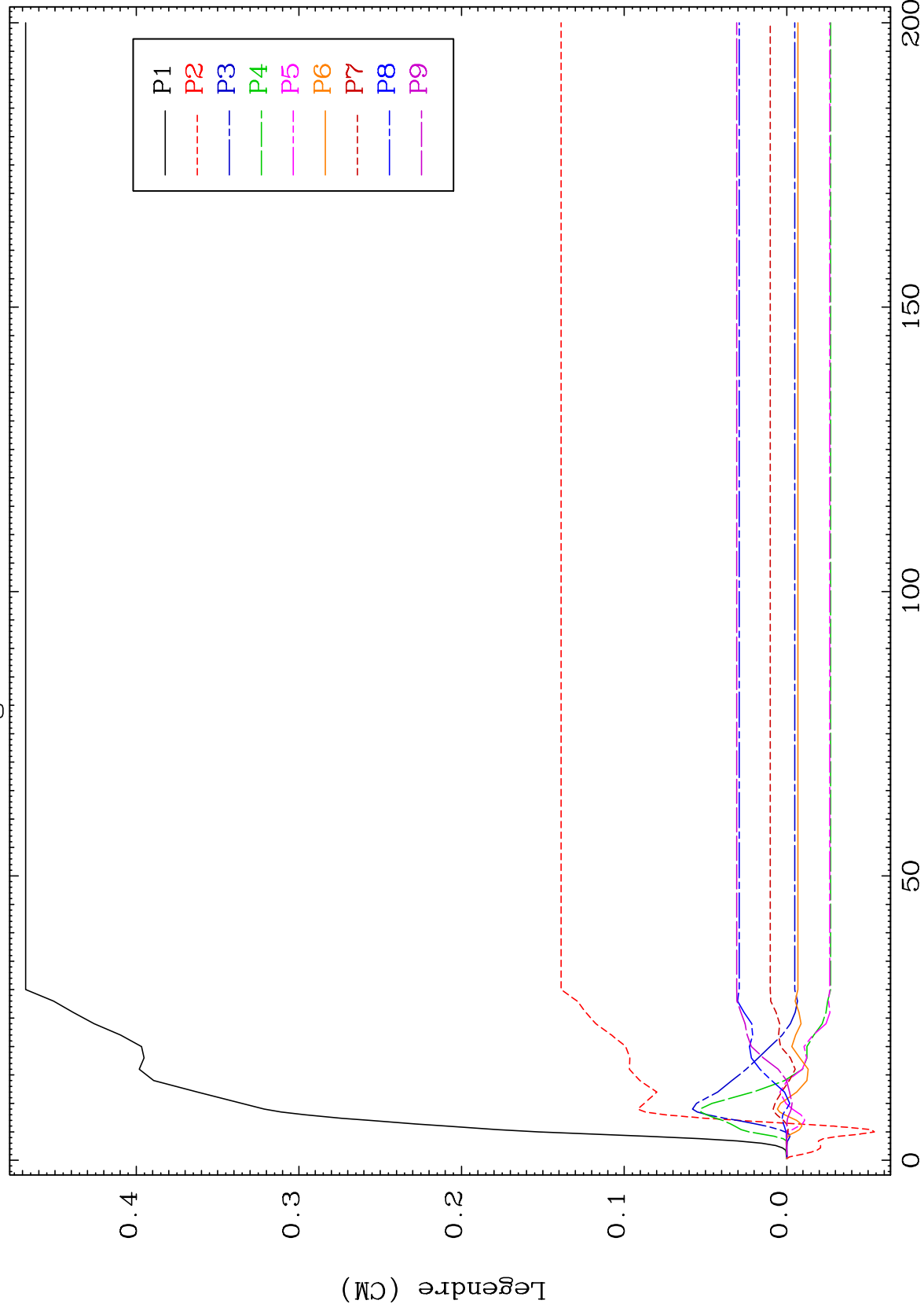




MAT 7507

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

75-Re-179



41

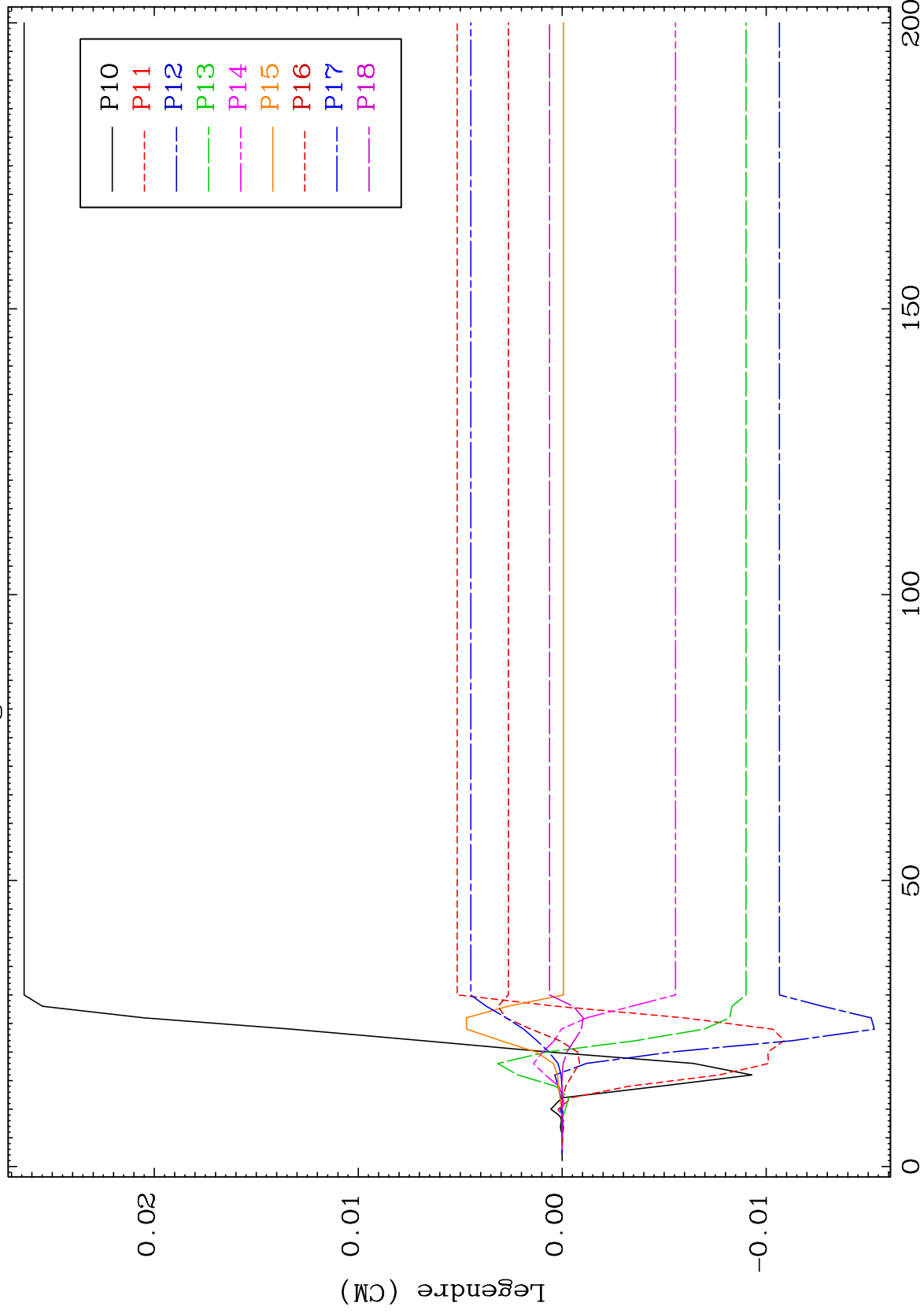
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



42

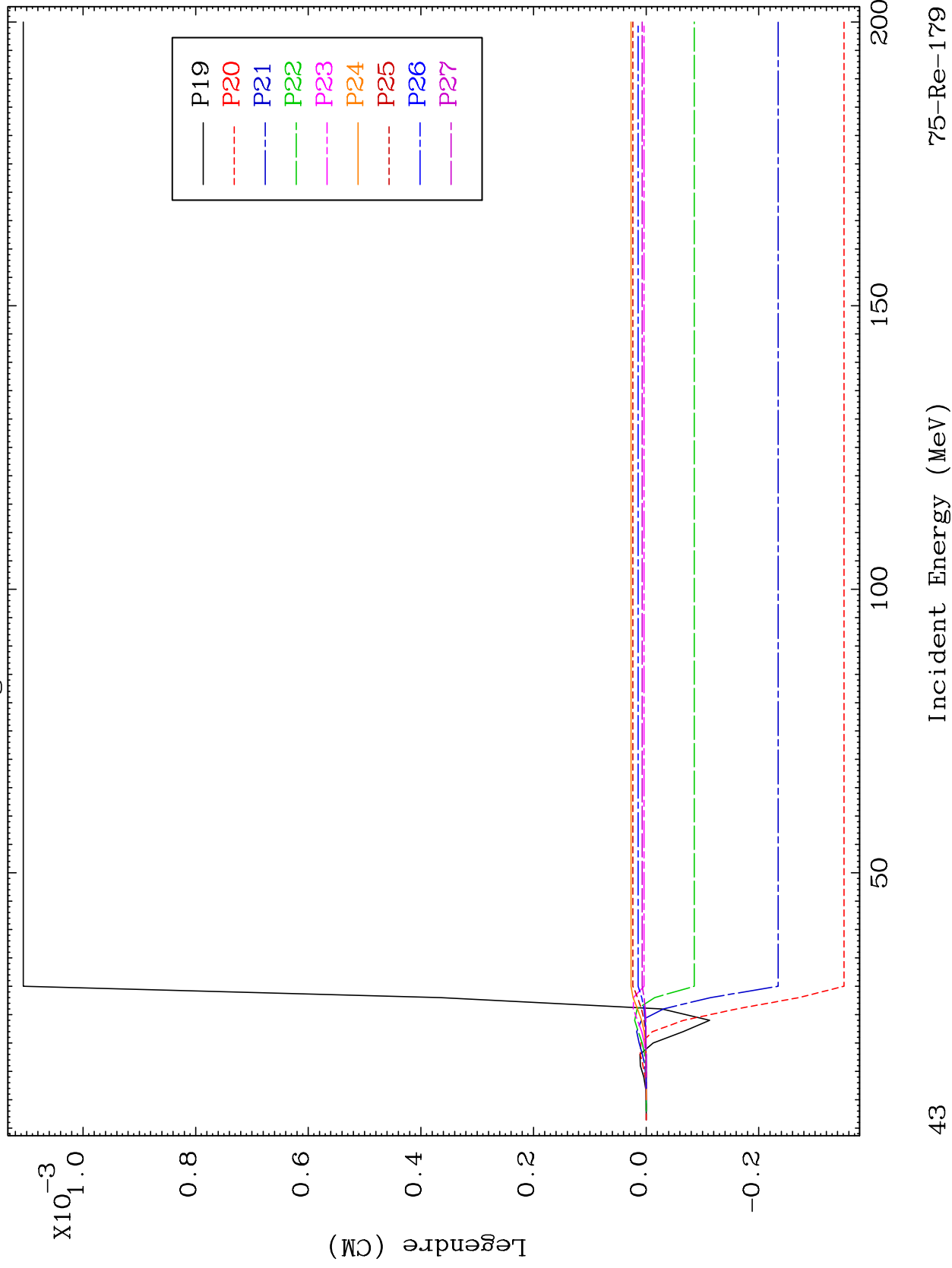
Incident Energy (MeV)

75-Re-179

MAT 7507

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

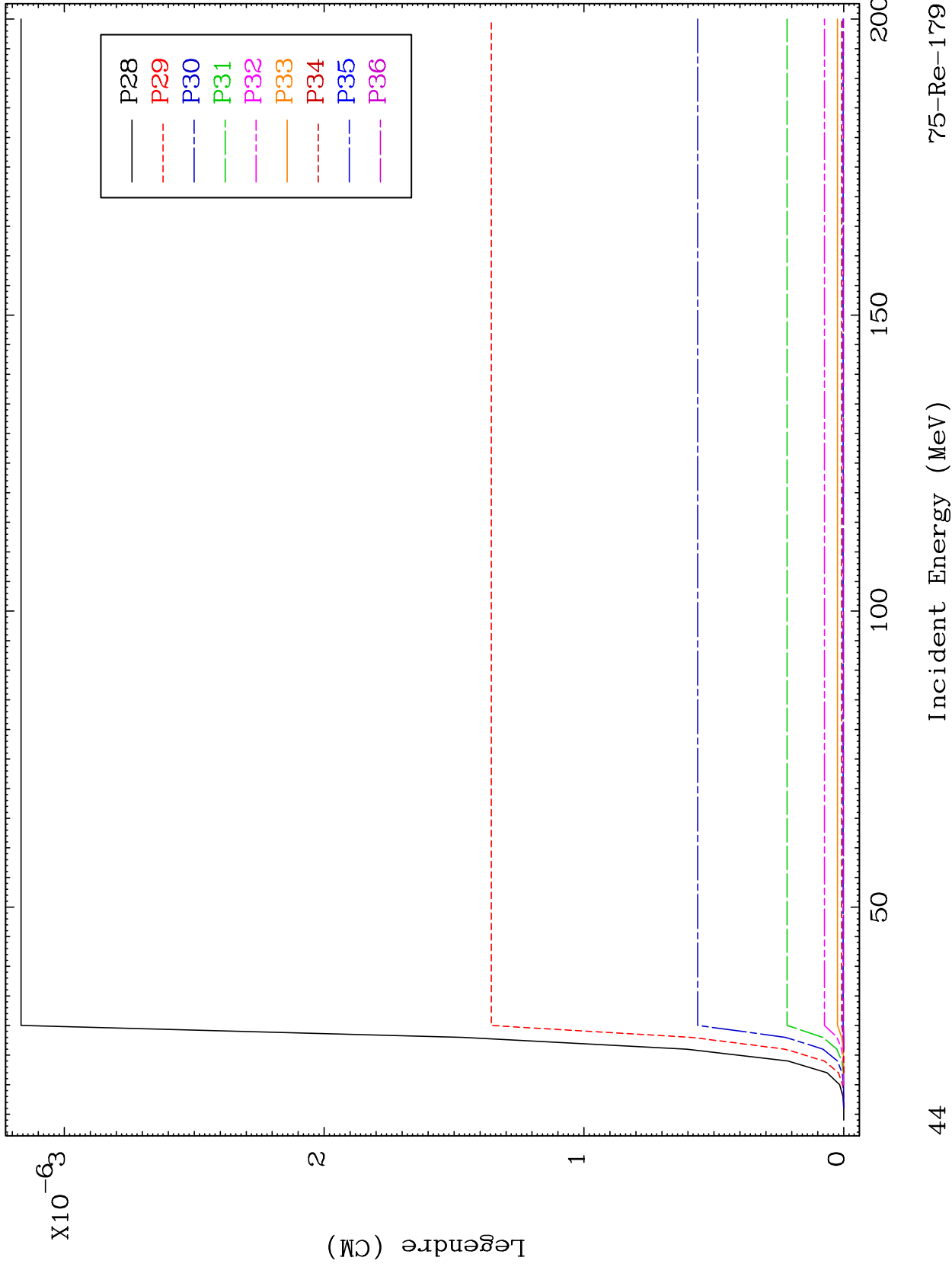
75-Re-179



MAT 7507

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

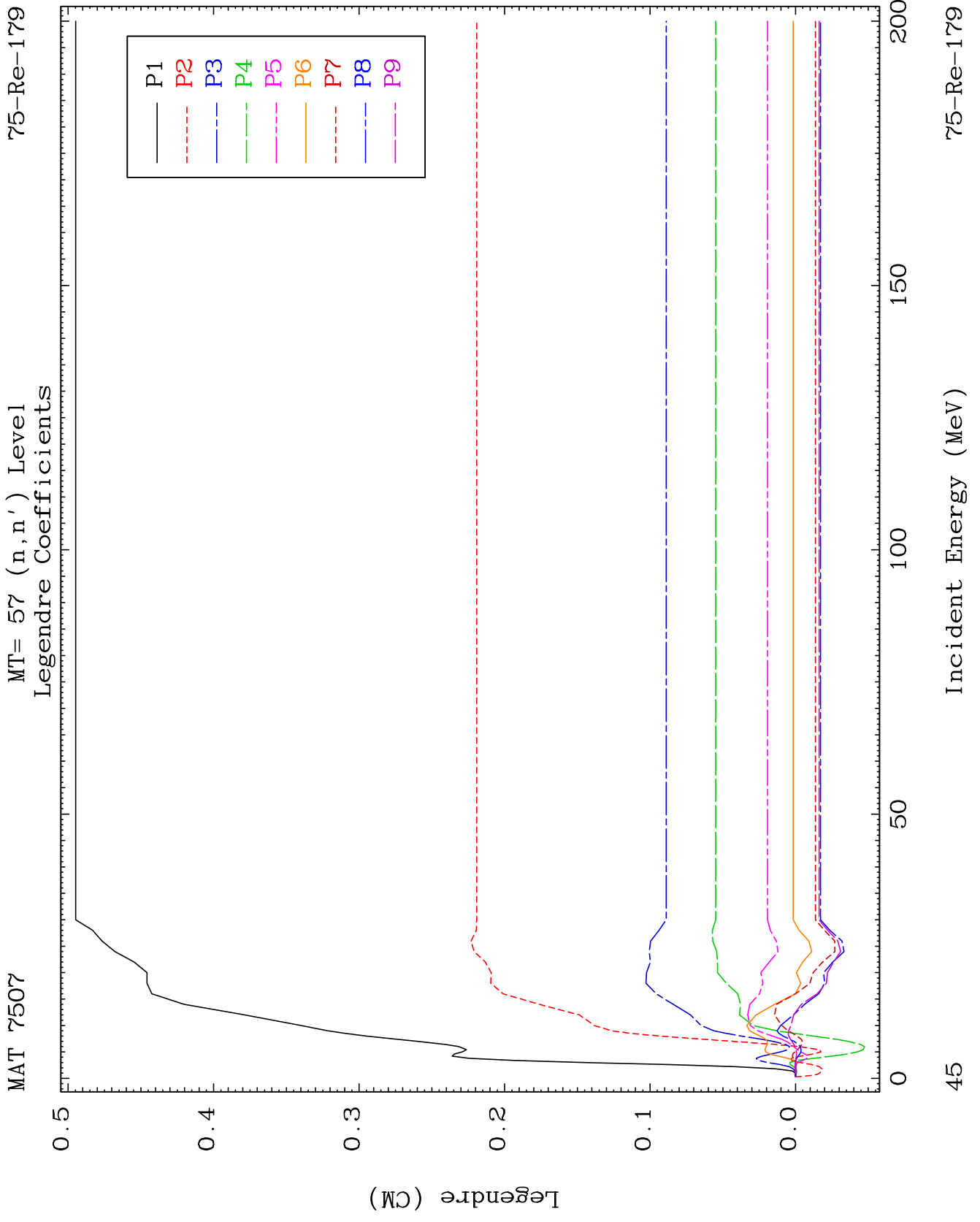
75-Re-179



44

Incident Energy (MeV)

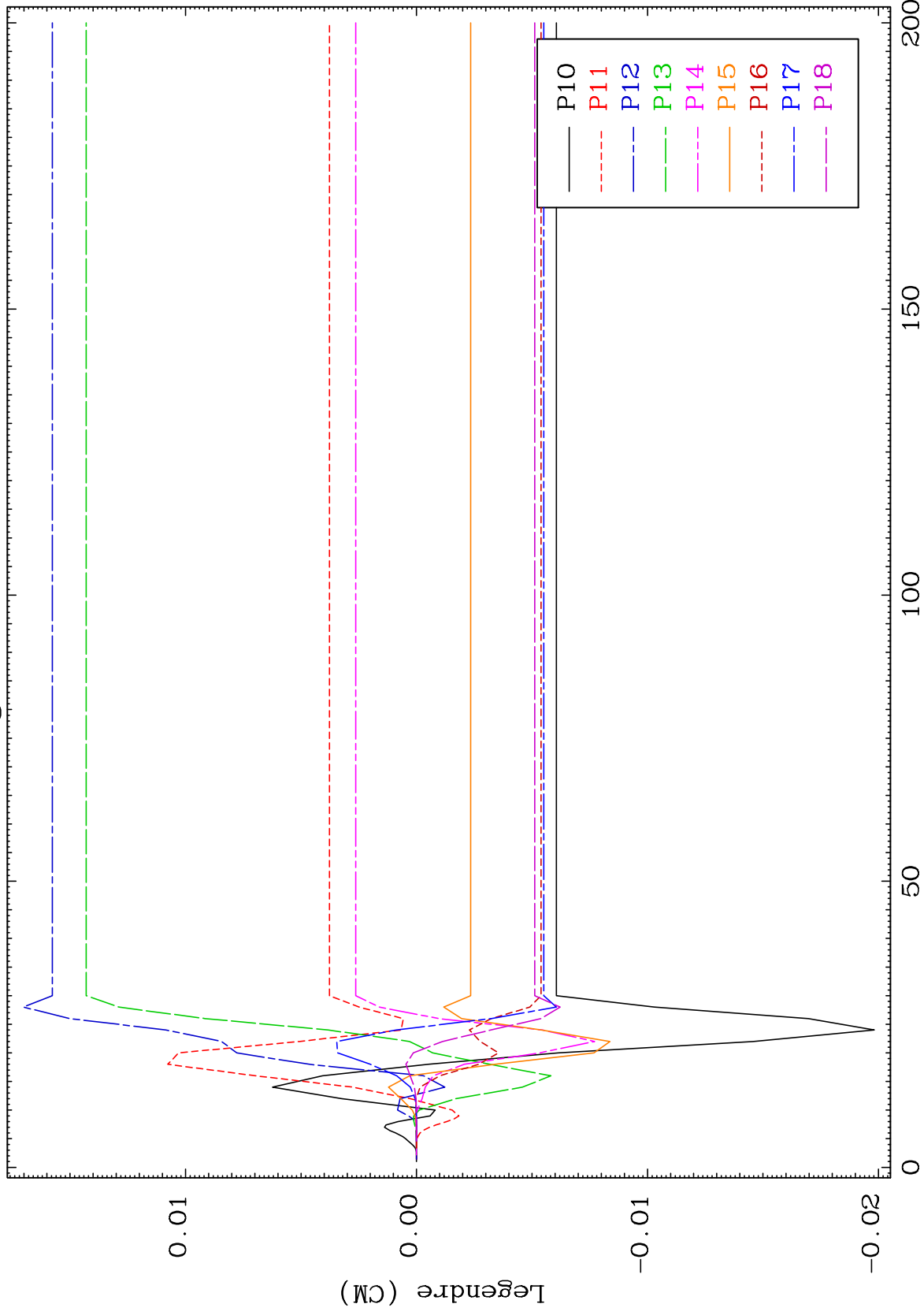
75-Re-179



MAT 7507

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

75-Re-179



46

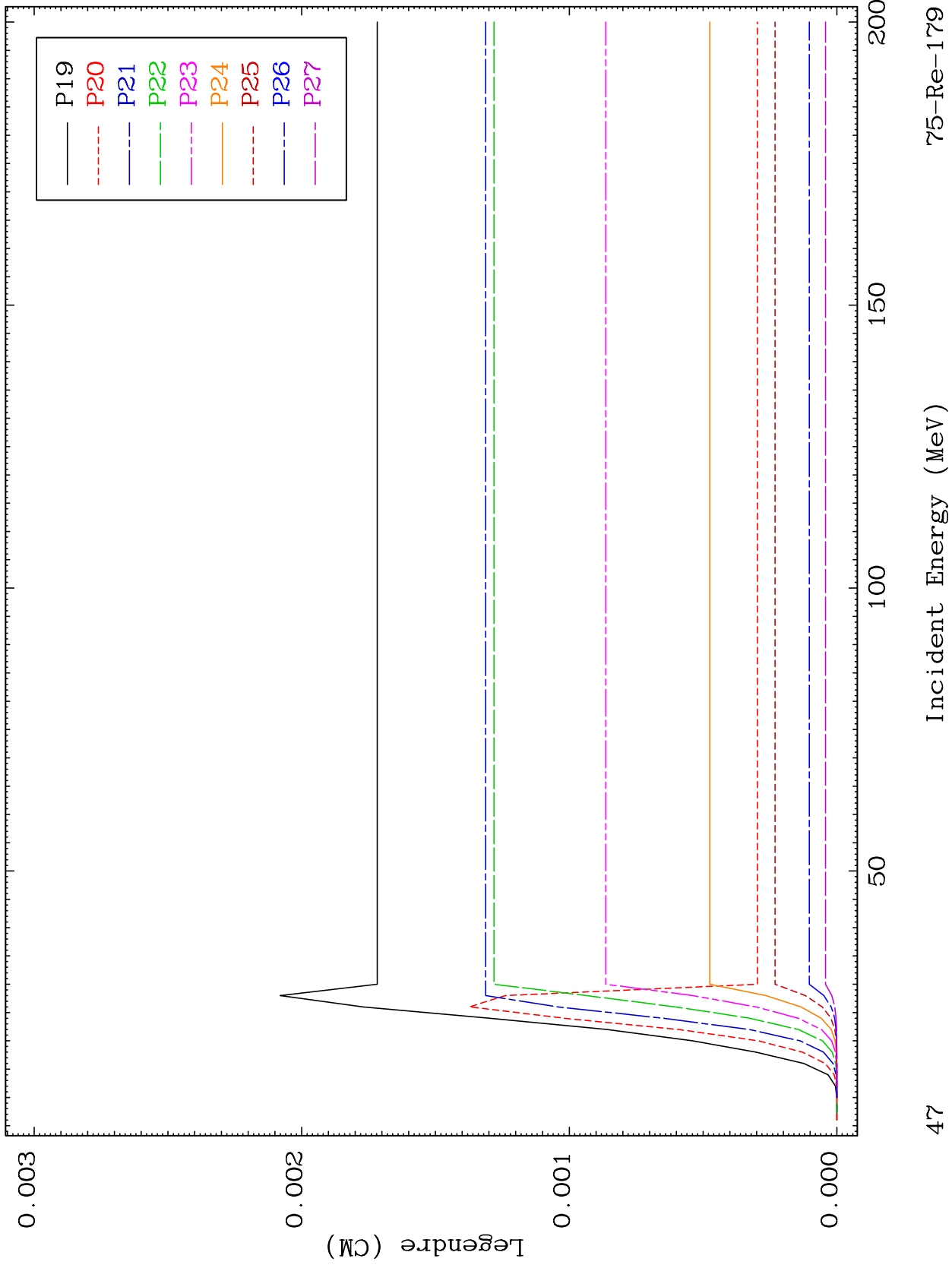
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



47

Incident Energy (MeV)

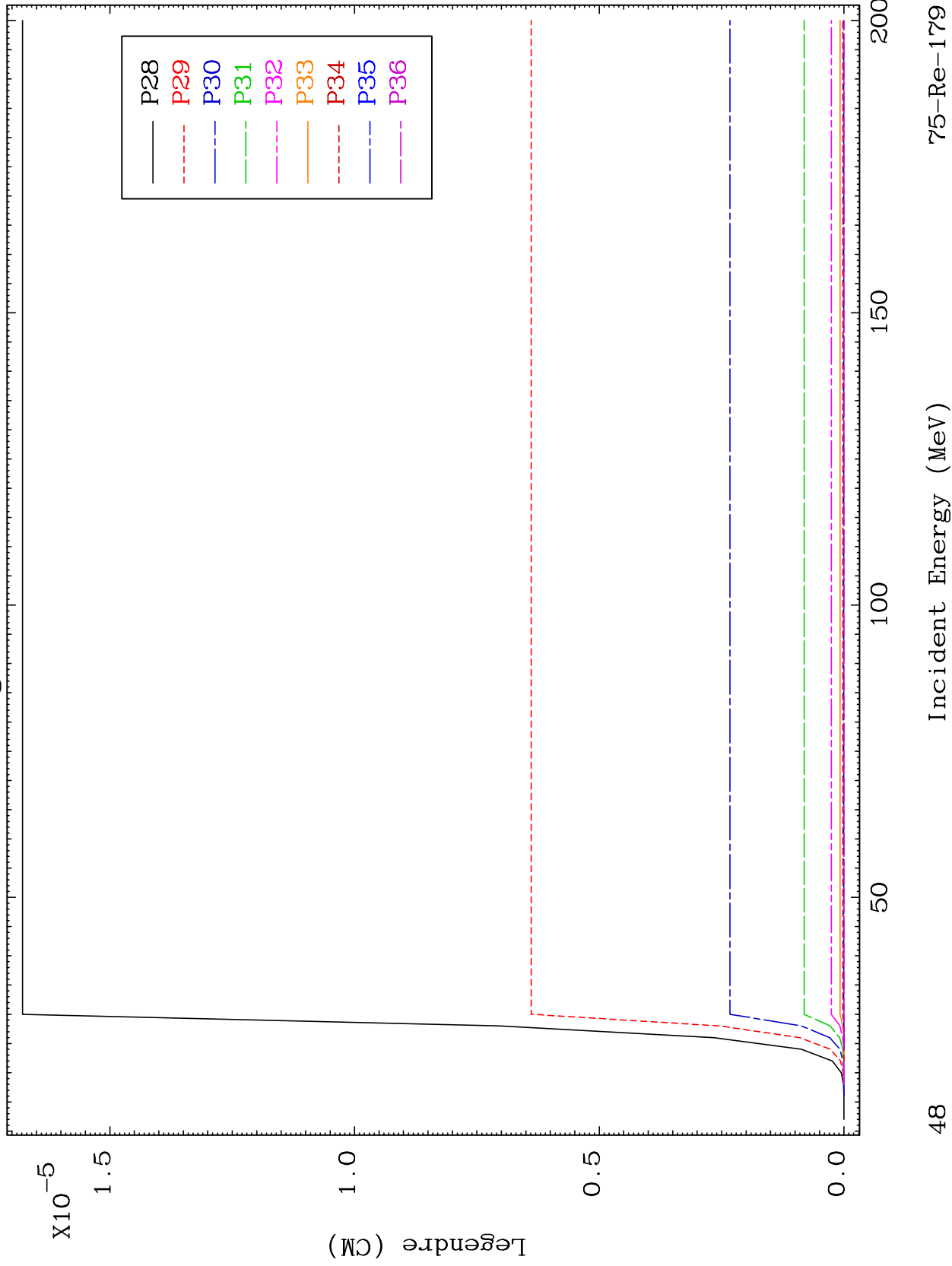
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MAT 7507

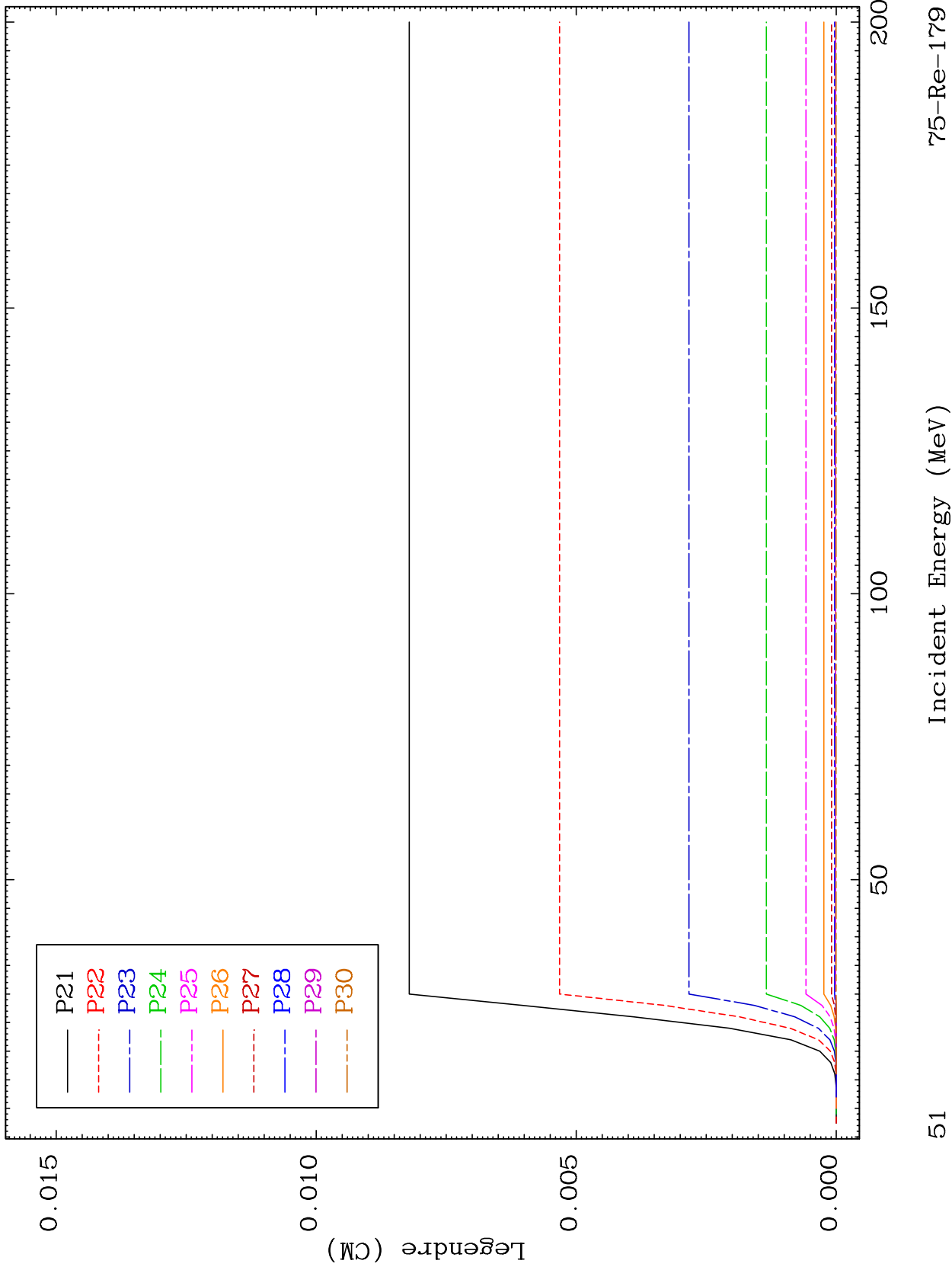
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Legendre Coefficients

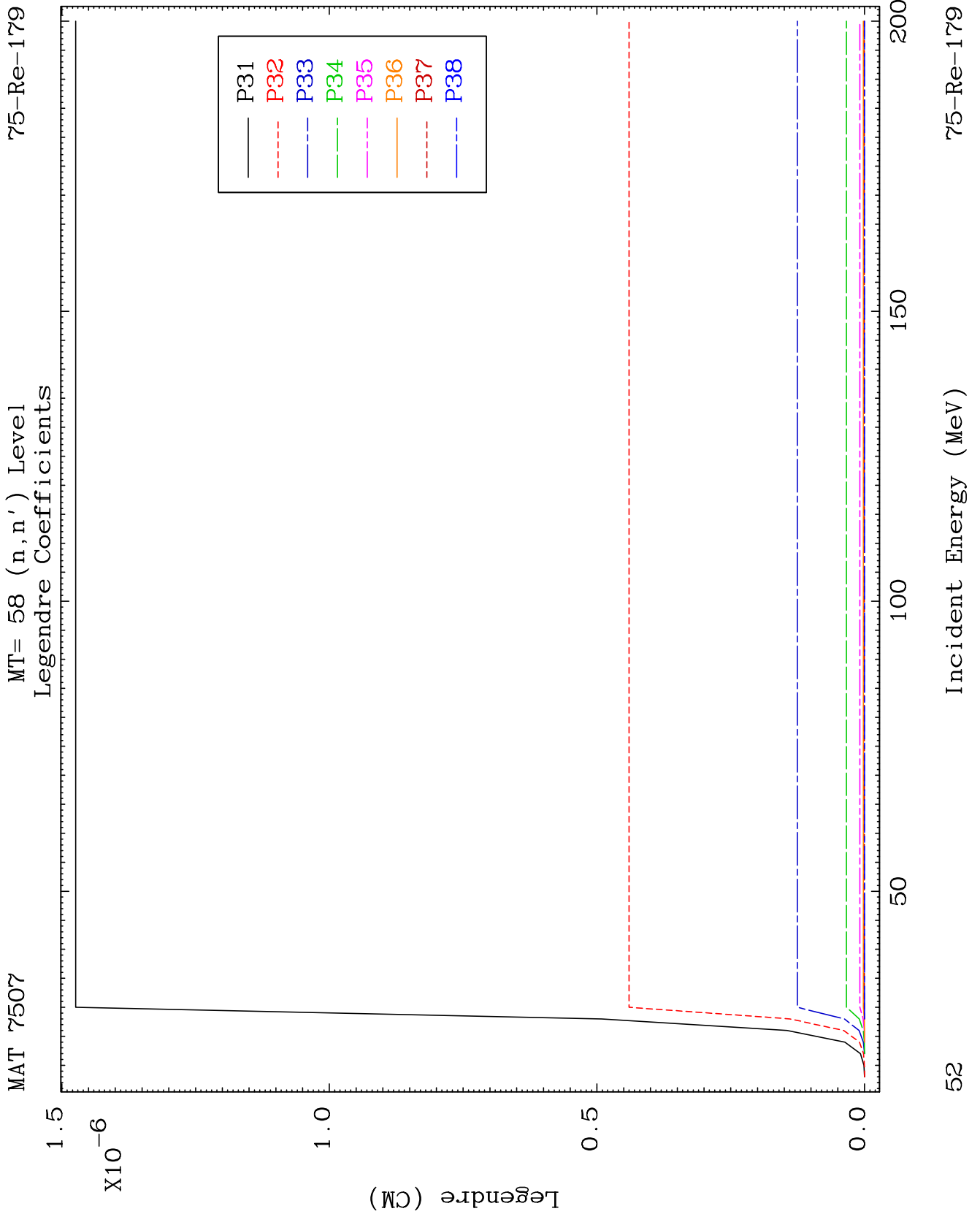
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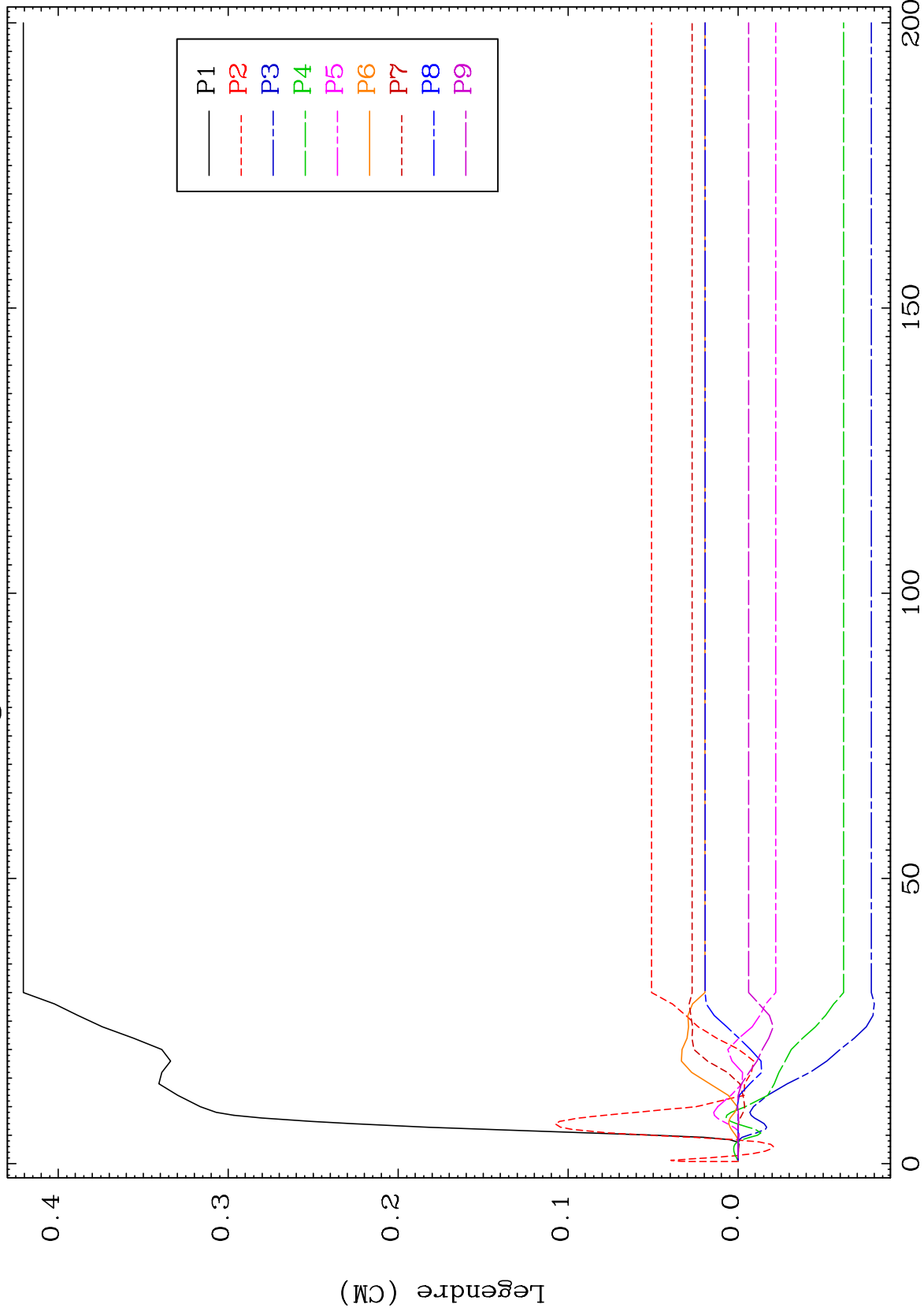




MAT 7507

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

75-Re-179



53

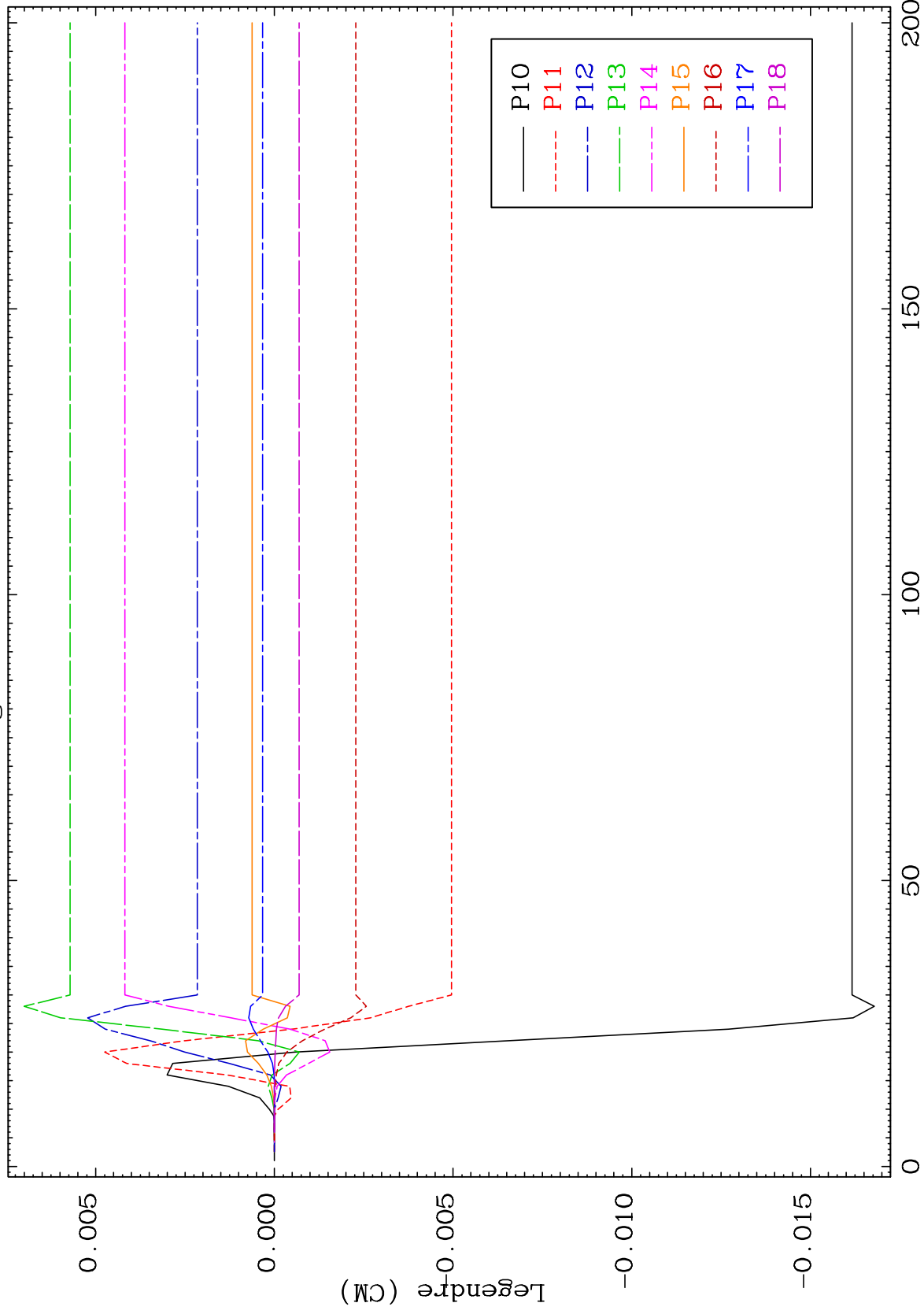
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



54

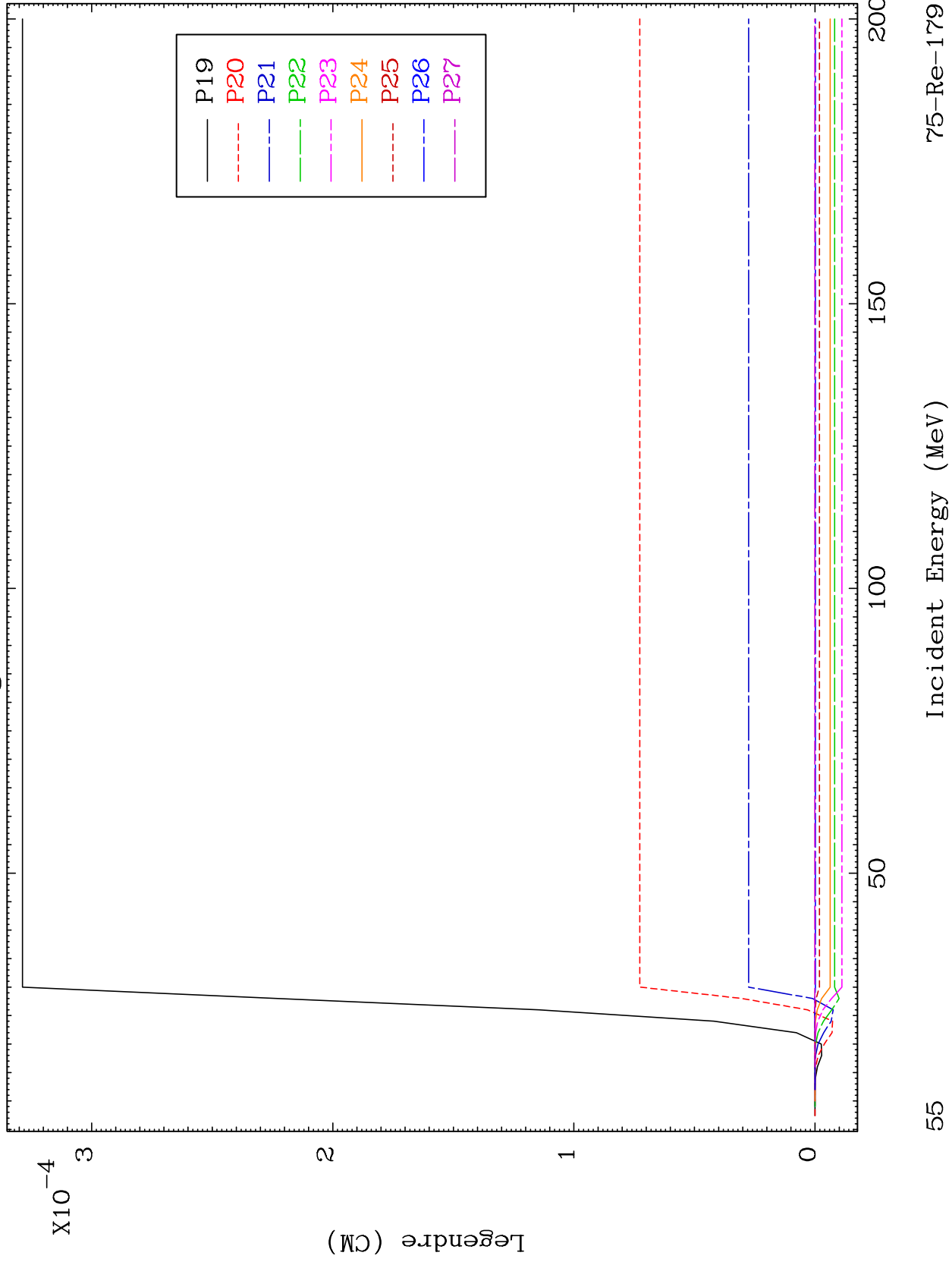
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



55

Incident Energy (MeV)

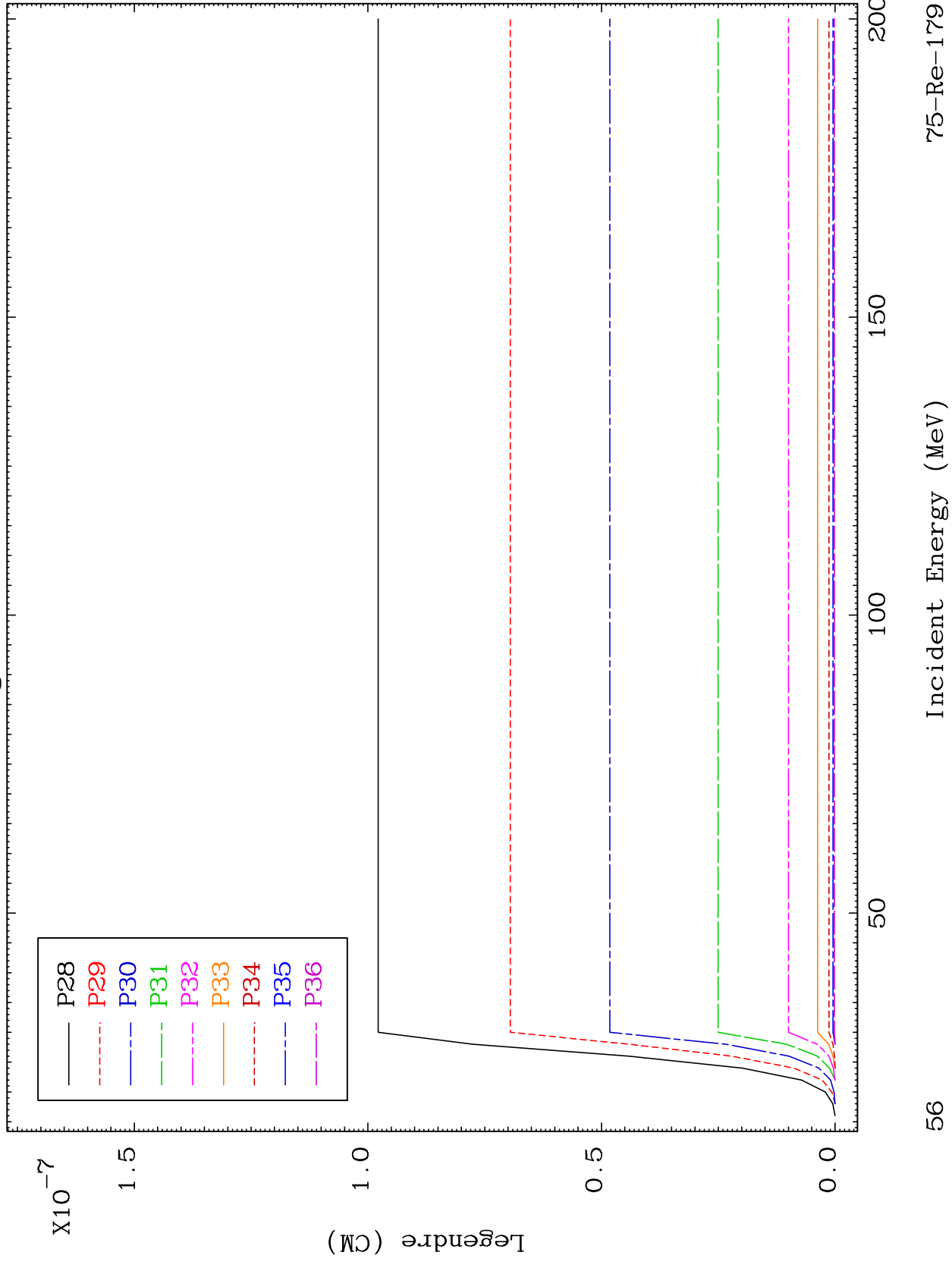
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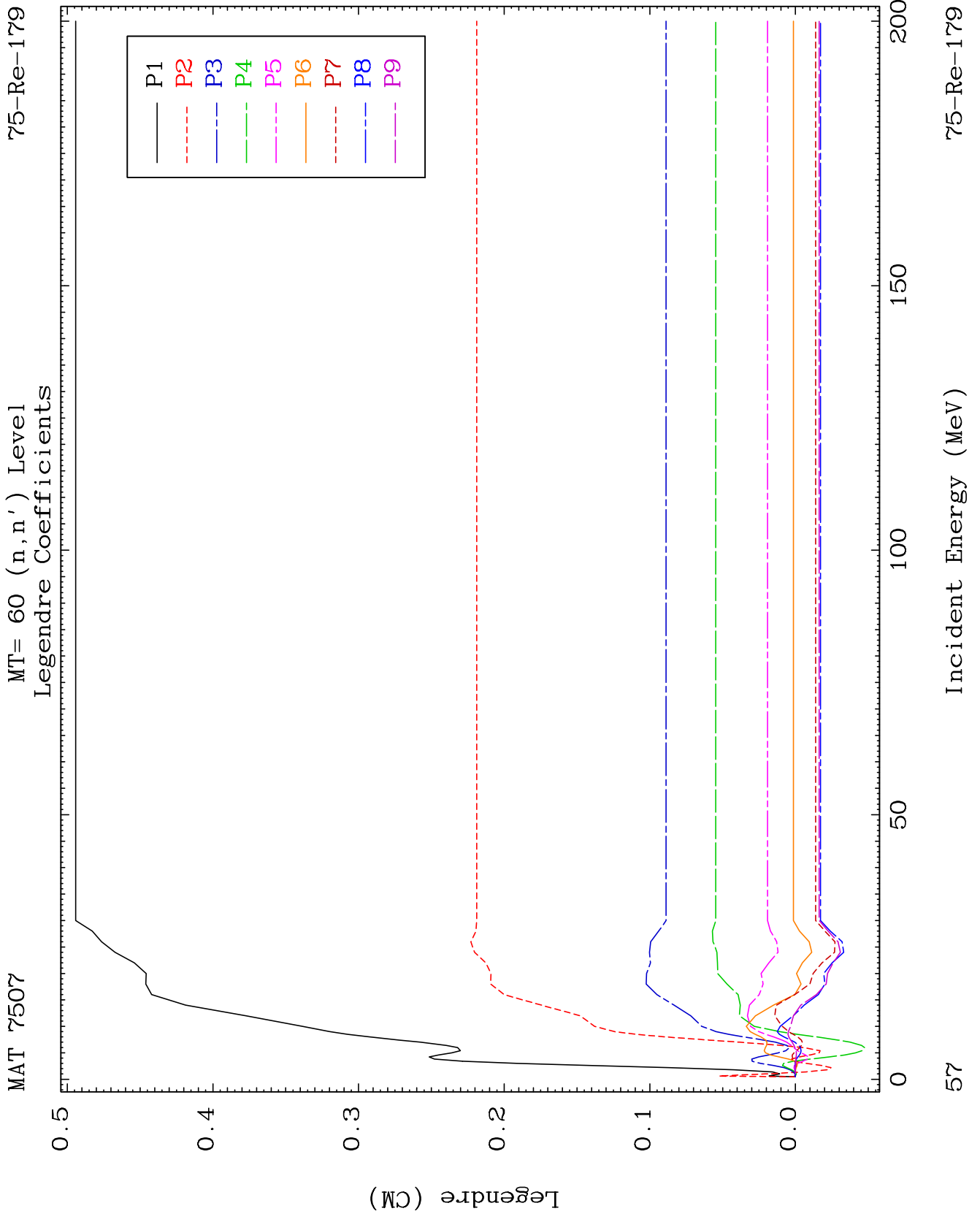


MAT 7507

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

75-Re-179

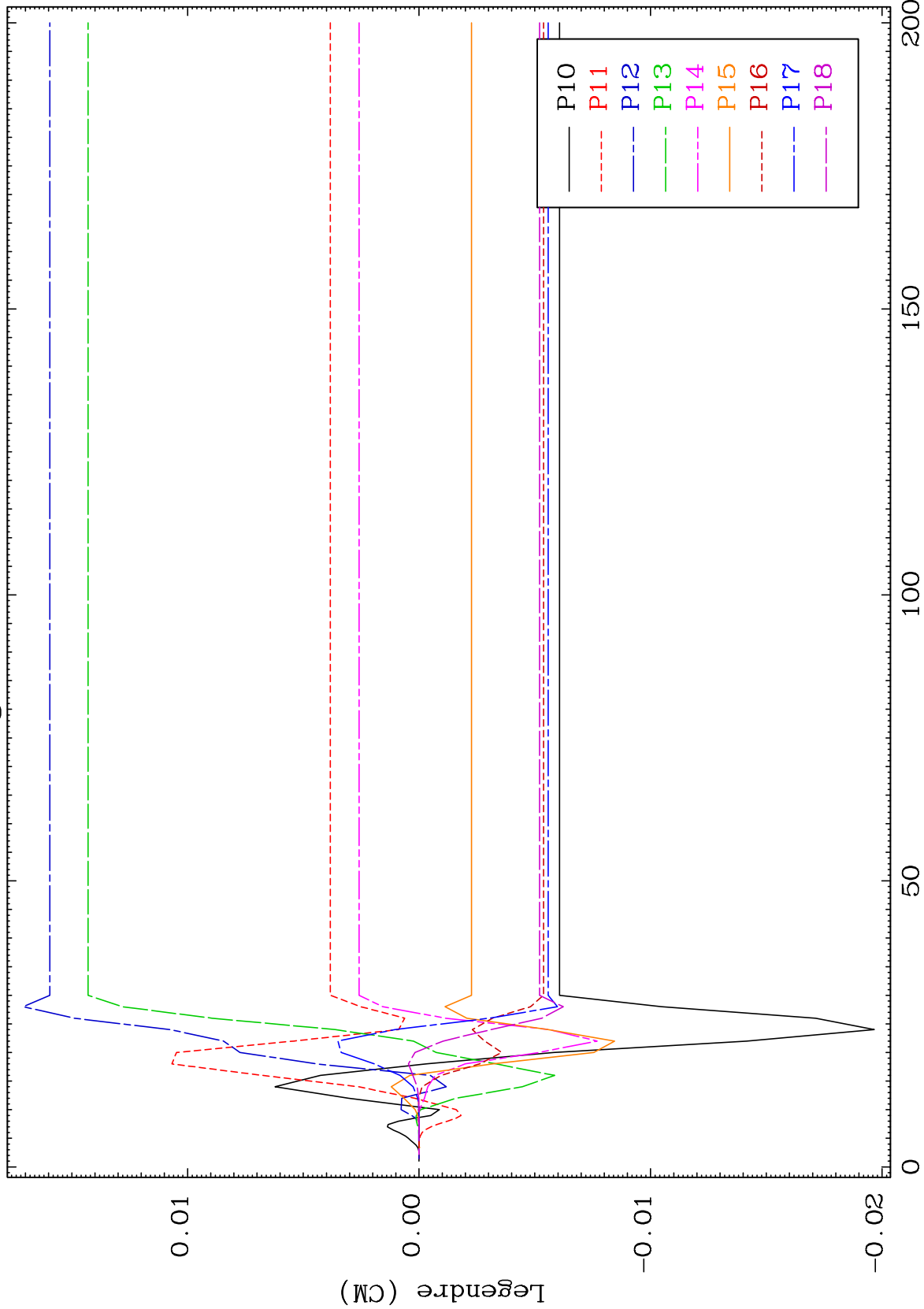




MAT 7507

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

75-Re-179



58

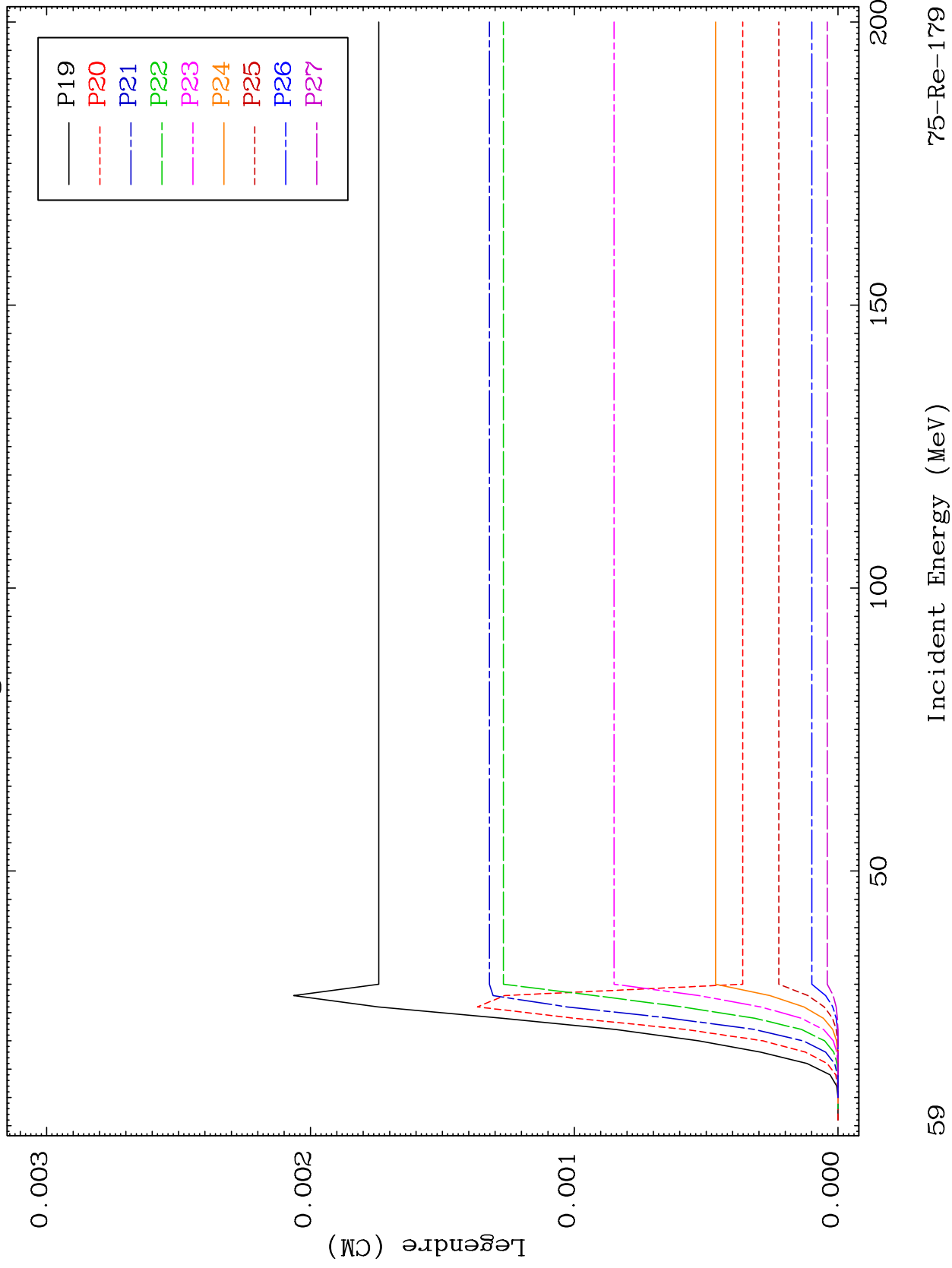
Incident Energy (MeV)

75-Re-179

MAT 7507

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

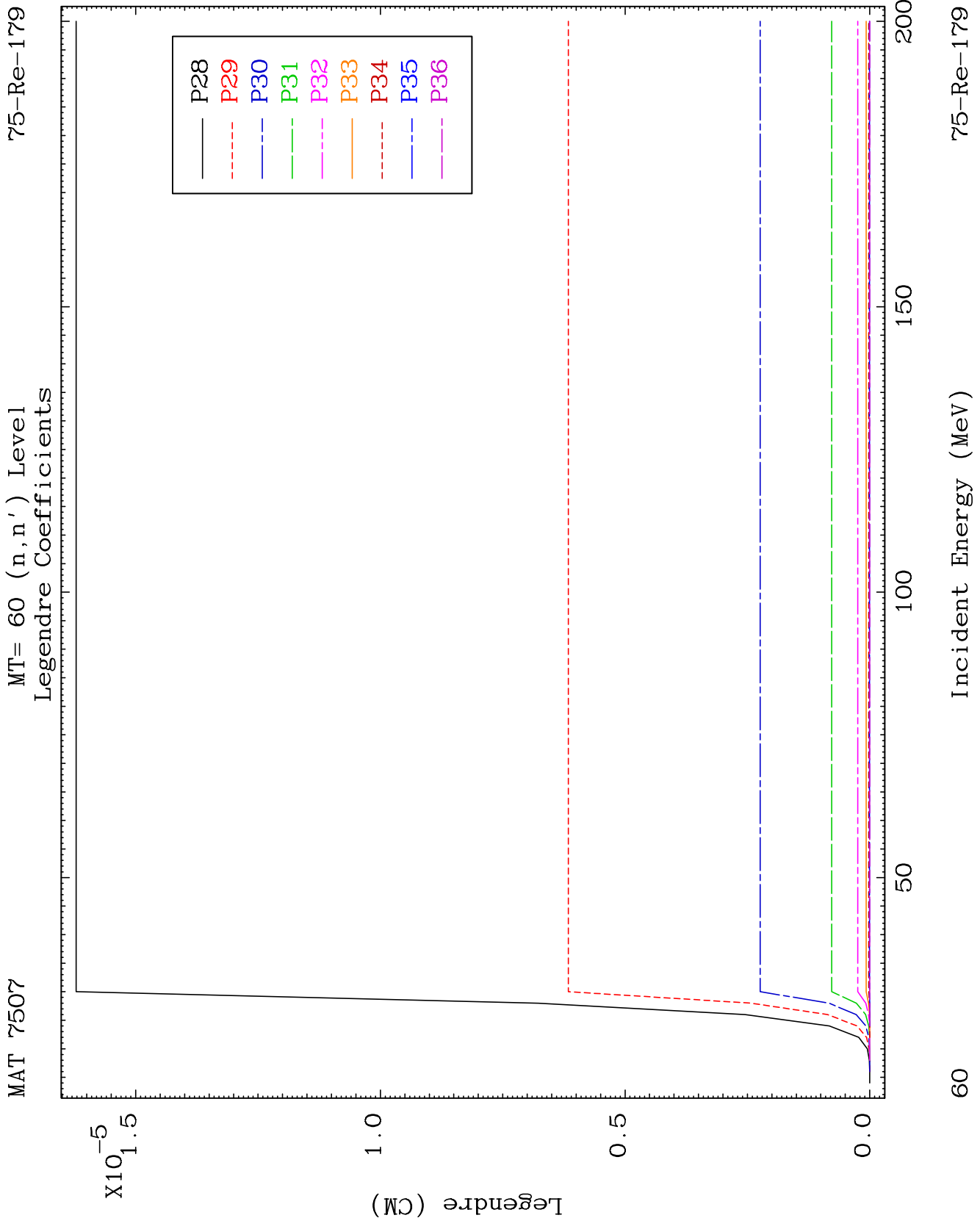
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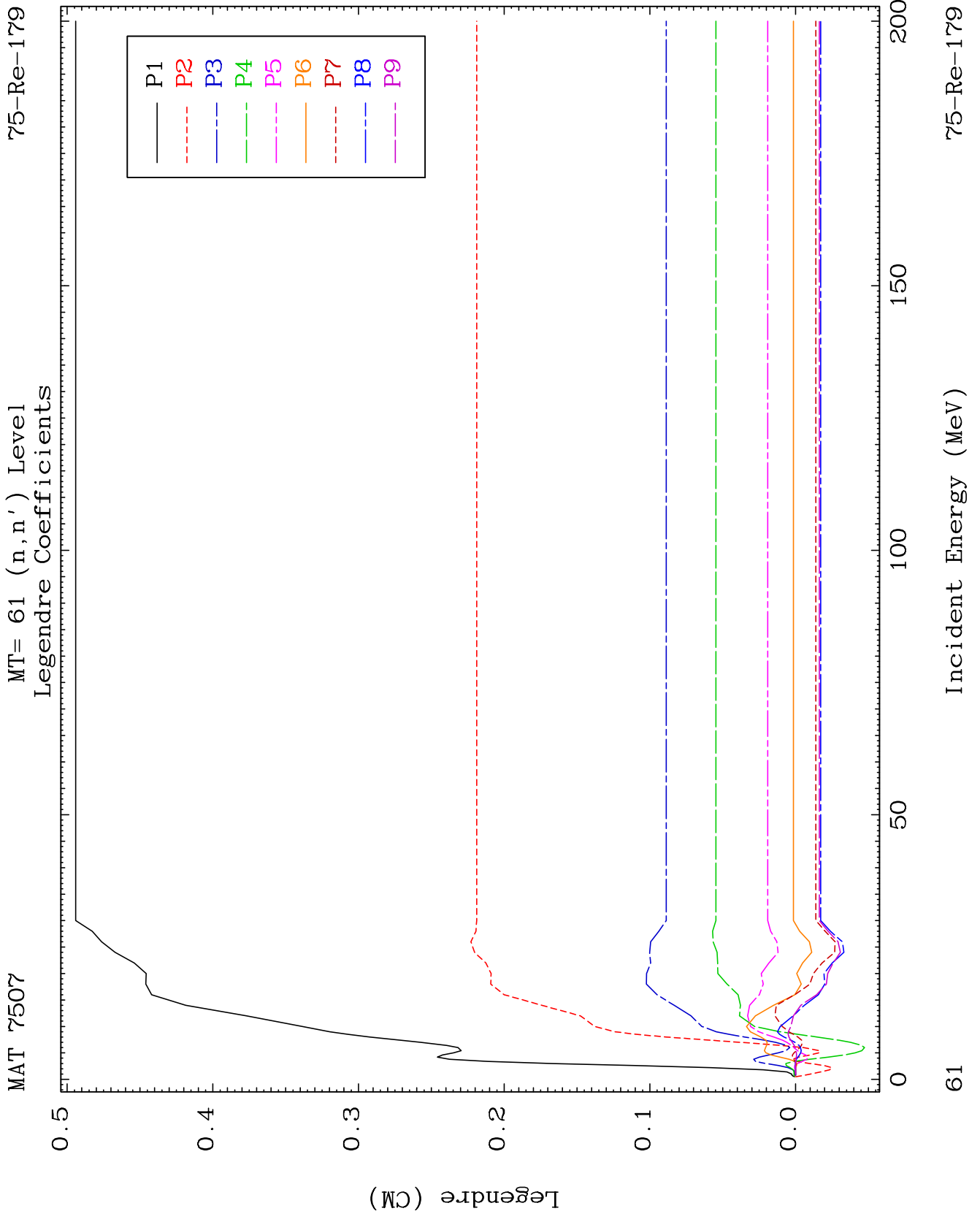


59

Incident Energy (MeV)

75-Re-179

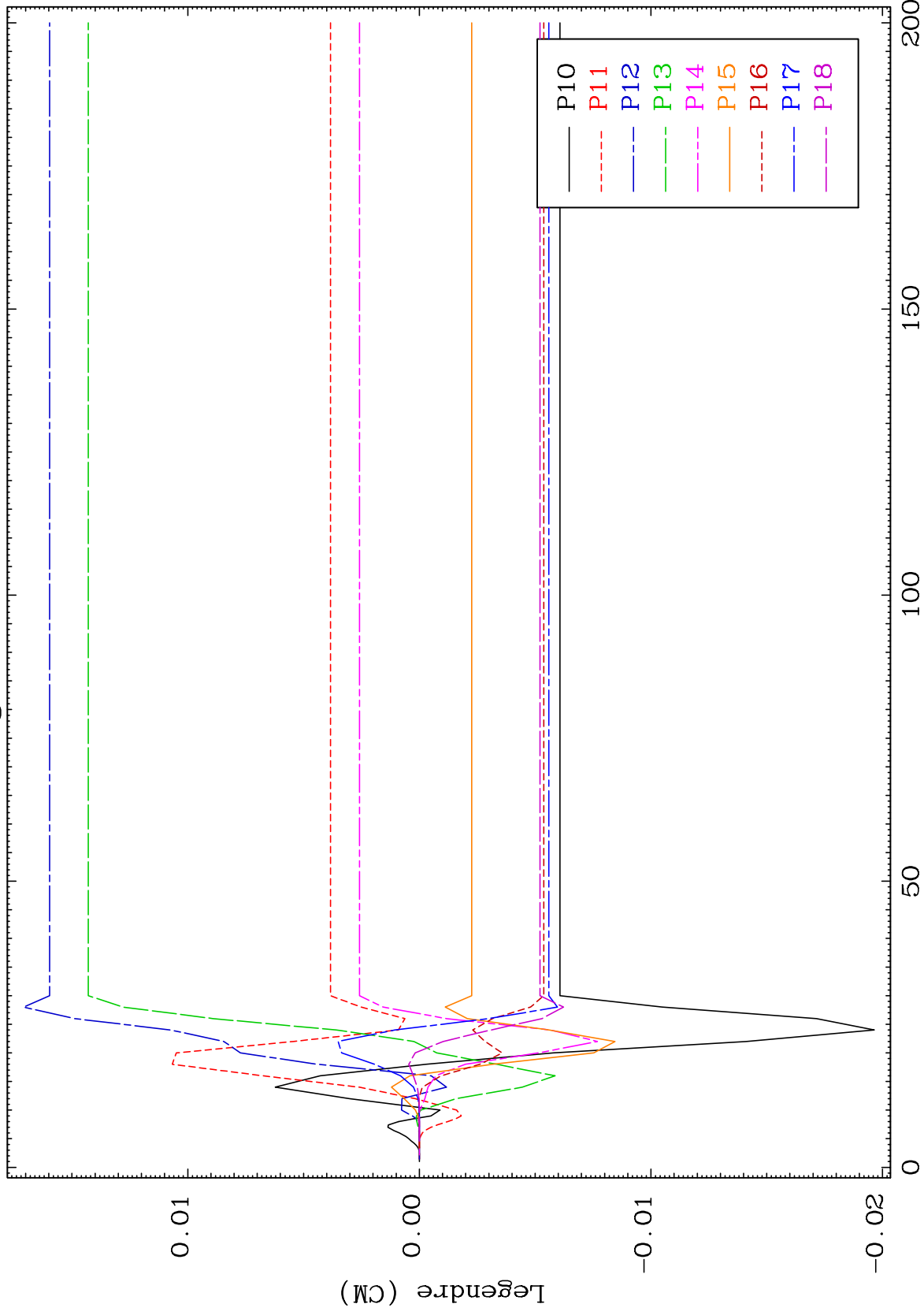




MAT 7507

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

75-Re-179



62

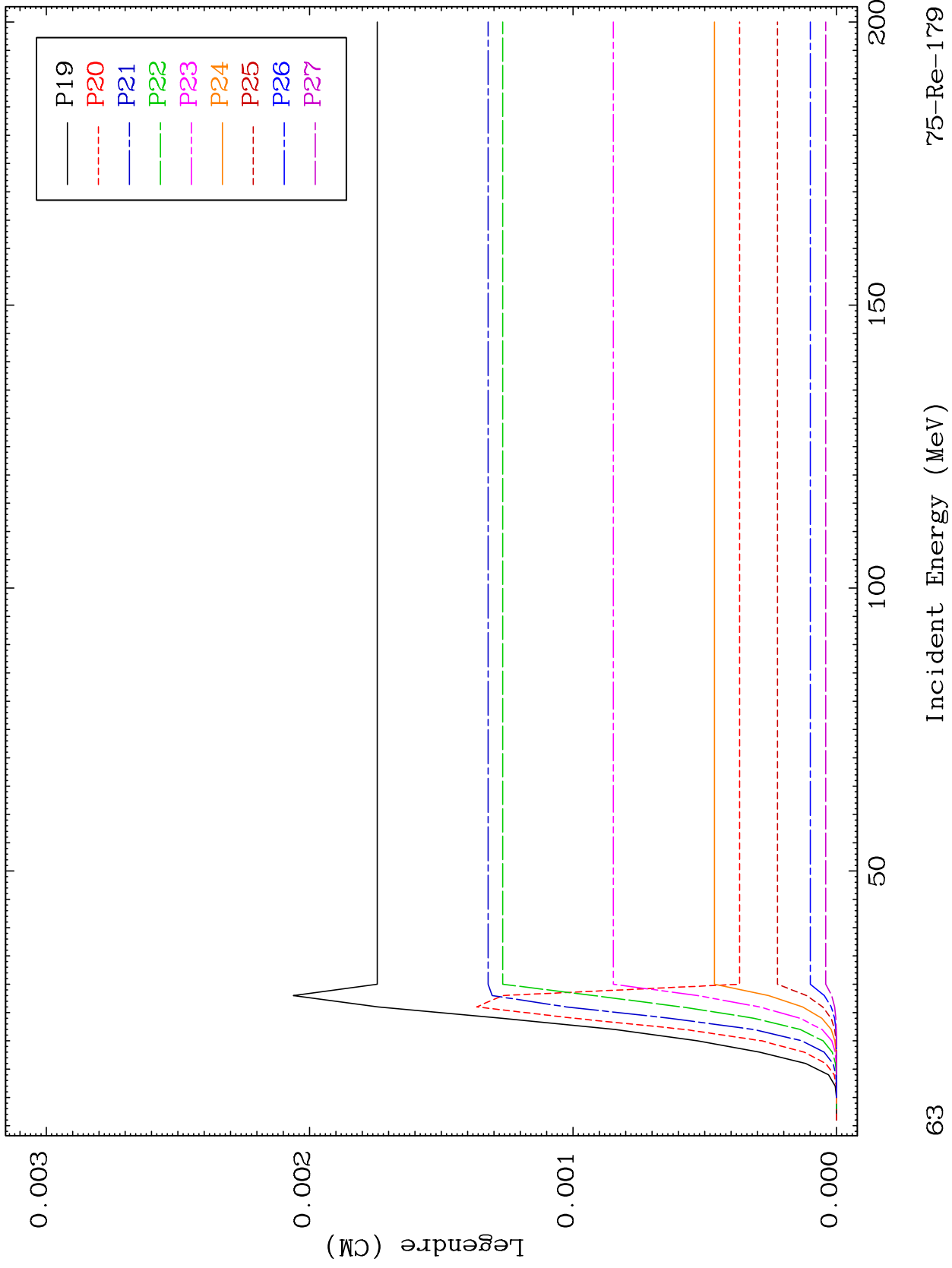
Incident Energy (MeV)

75-Re-179

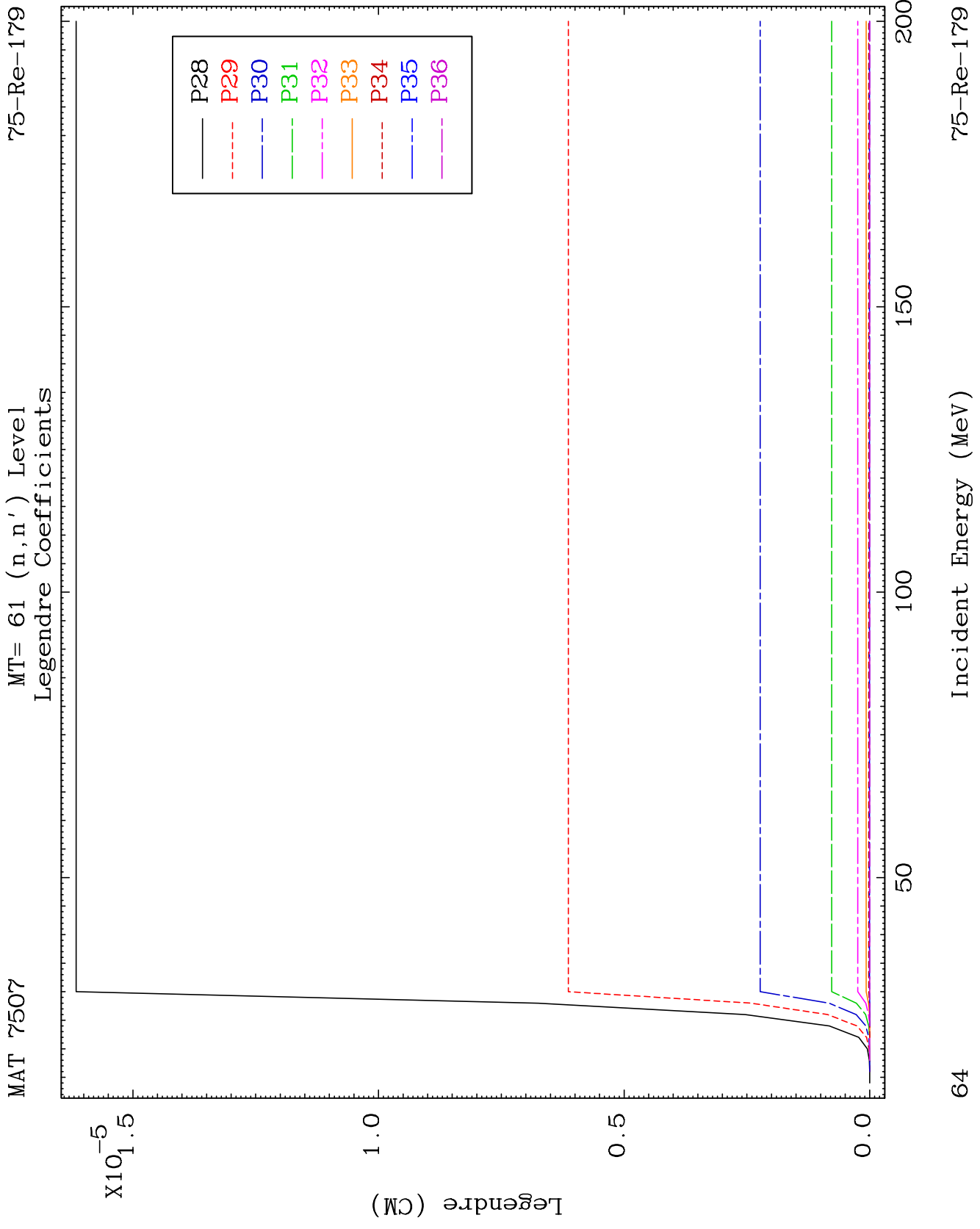
MAT 7507

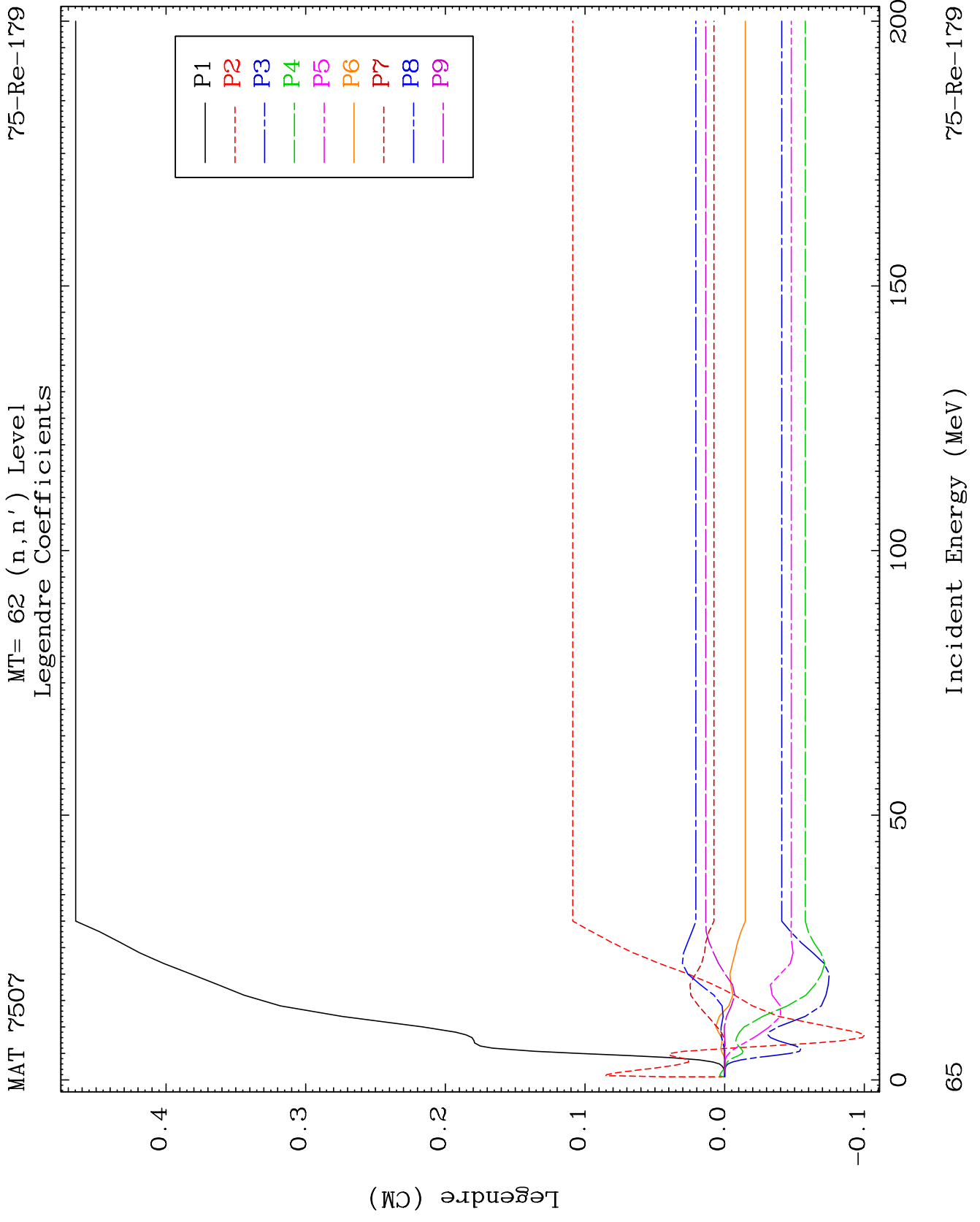
MT= 61 (n,n') Level  
Legendre Coefficients

75-Re-179





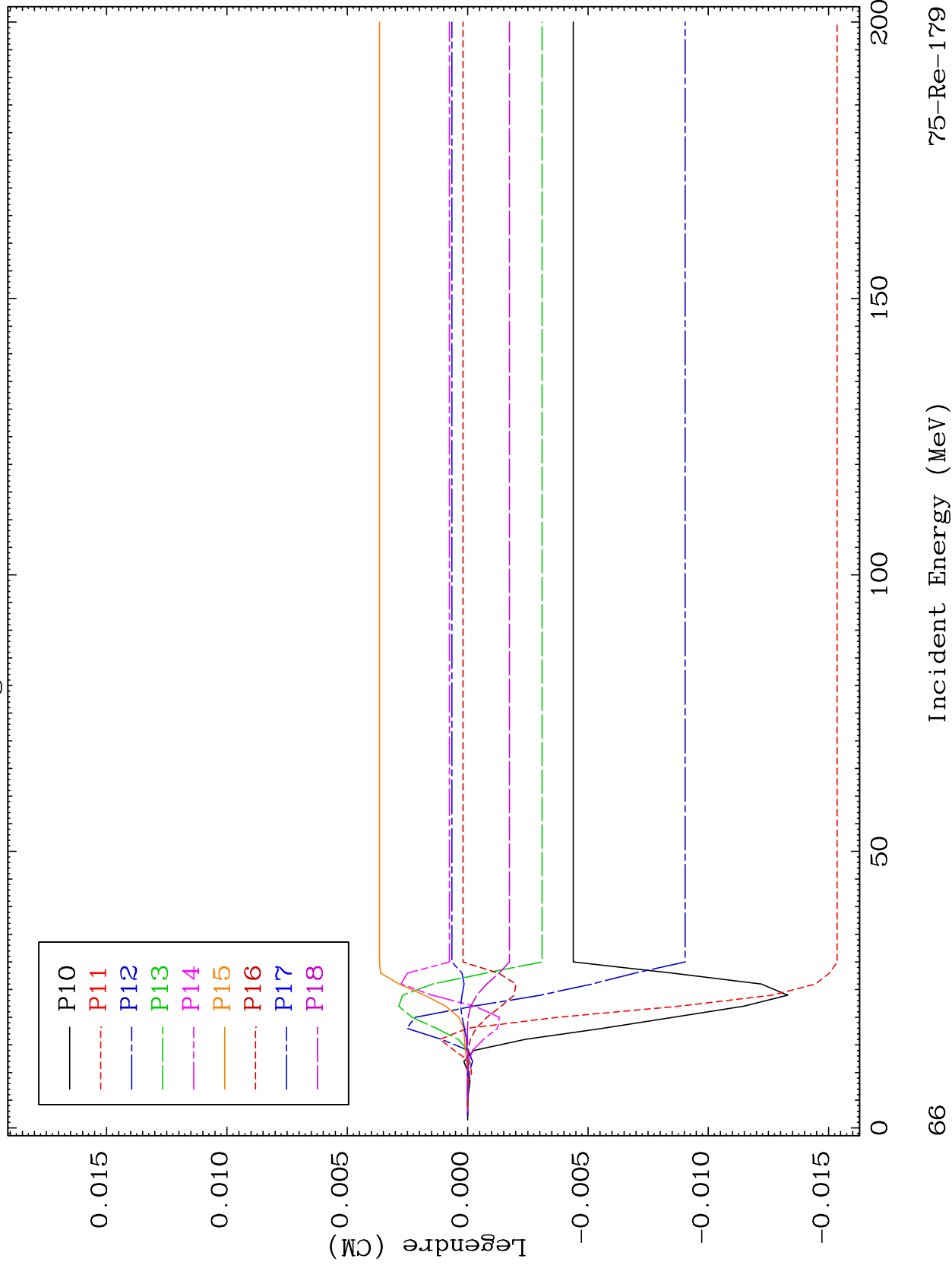




MAT 7507

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

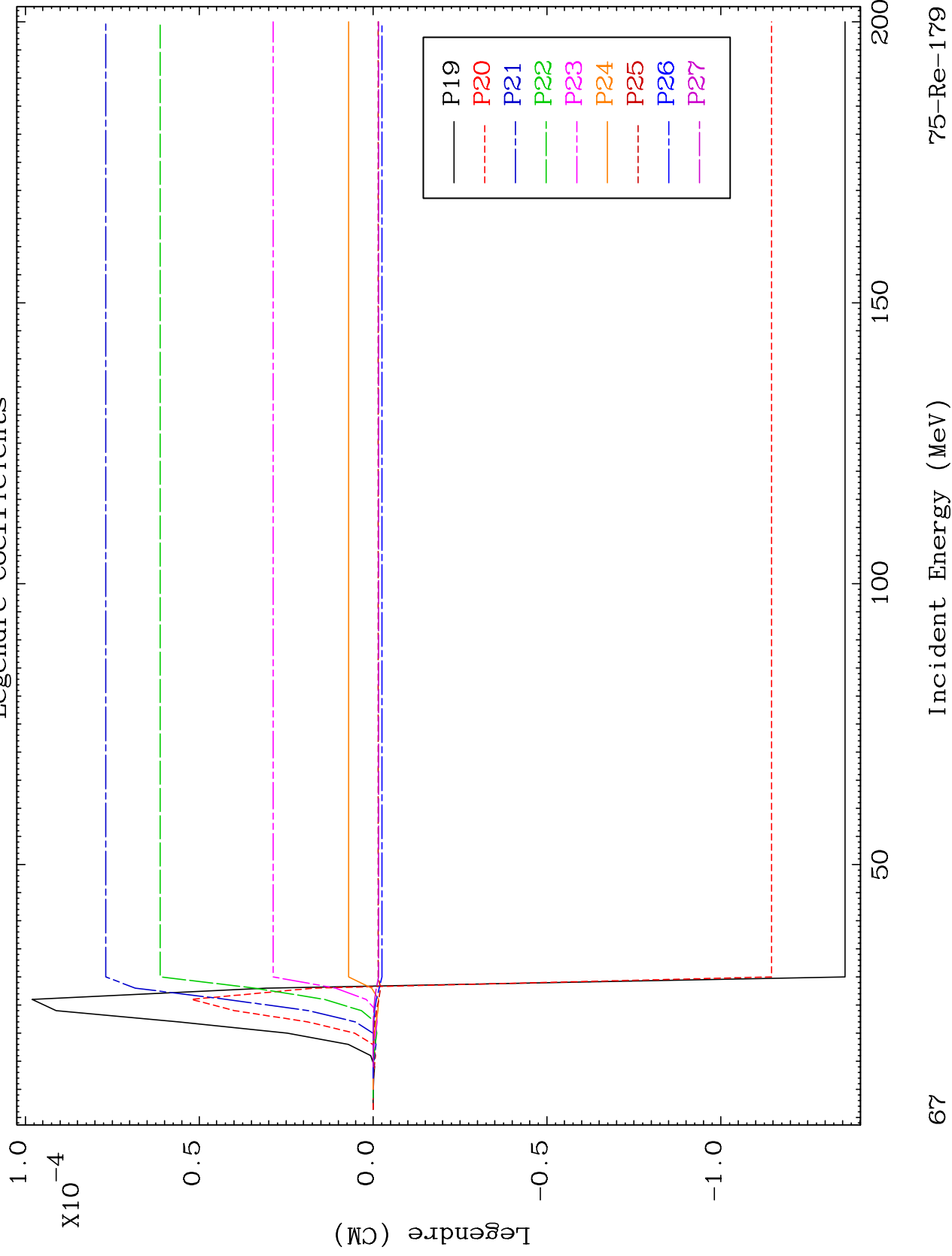
75-Re-179



MAT 7507

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

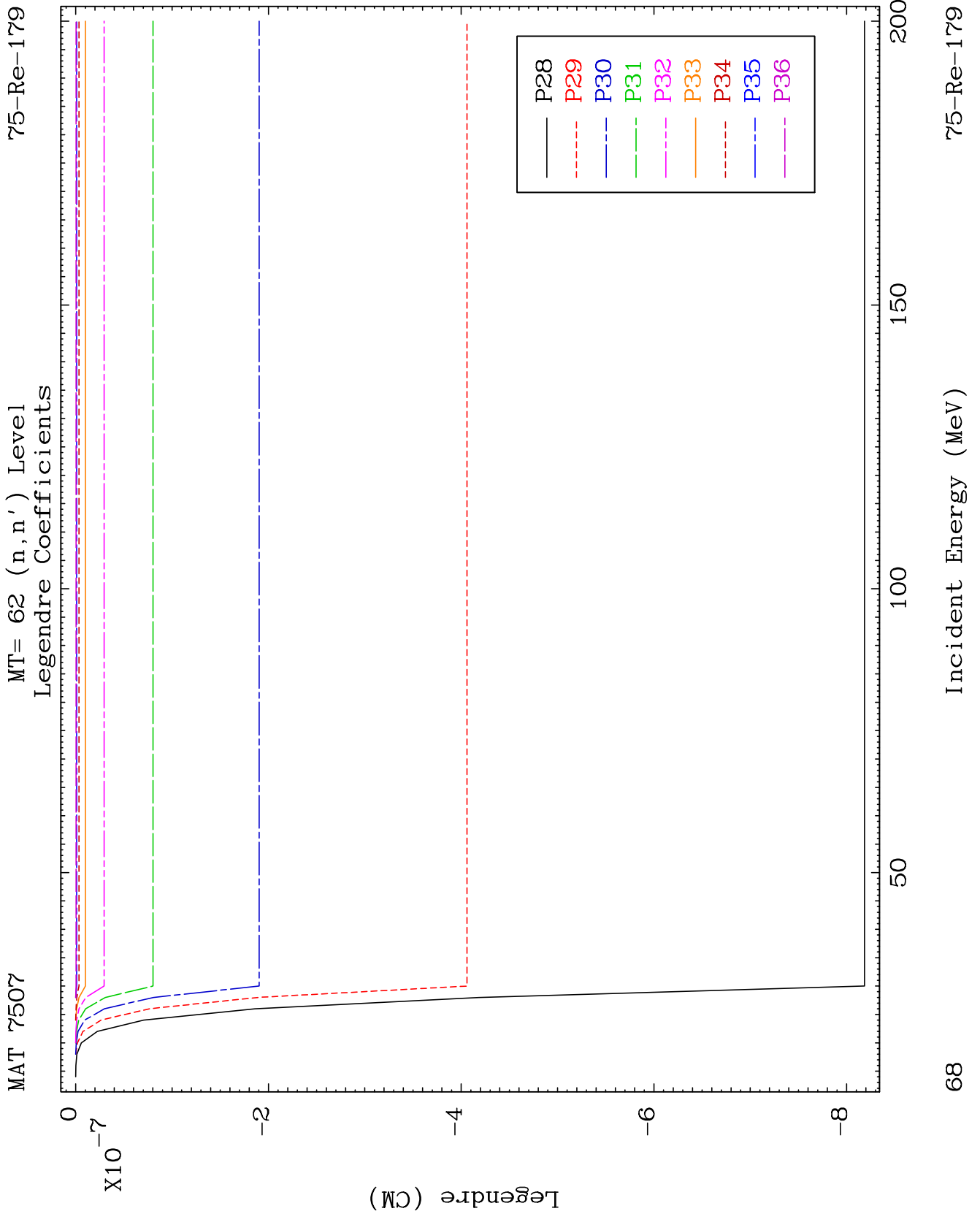
75-Re-179



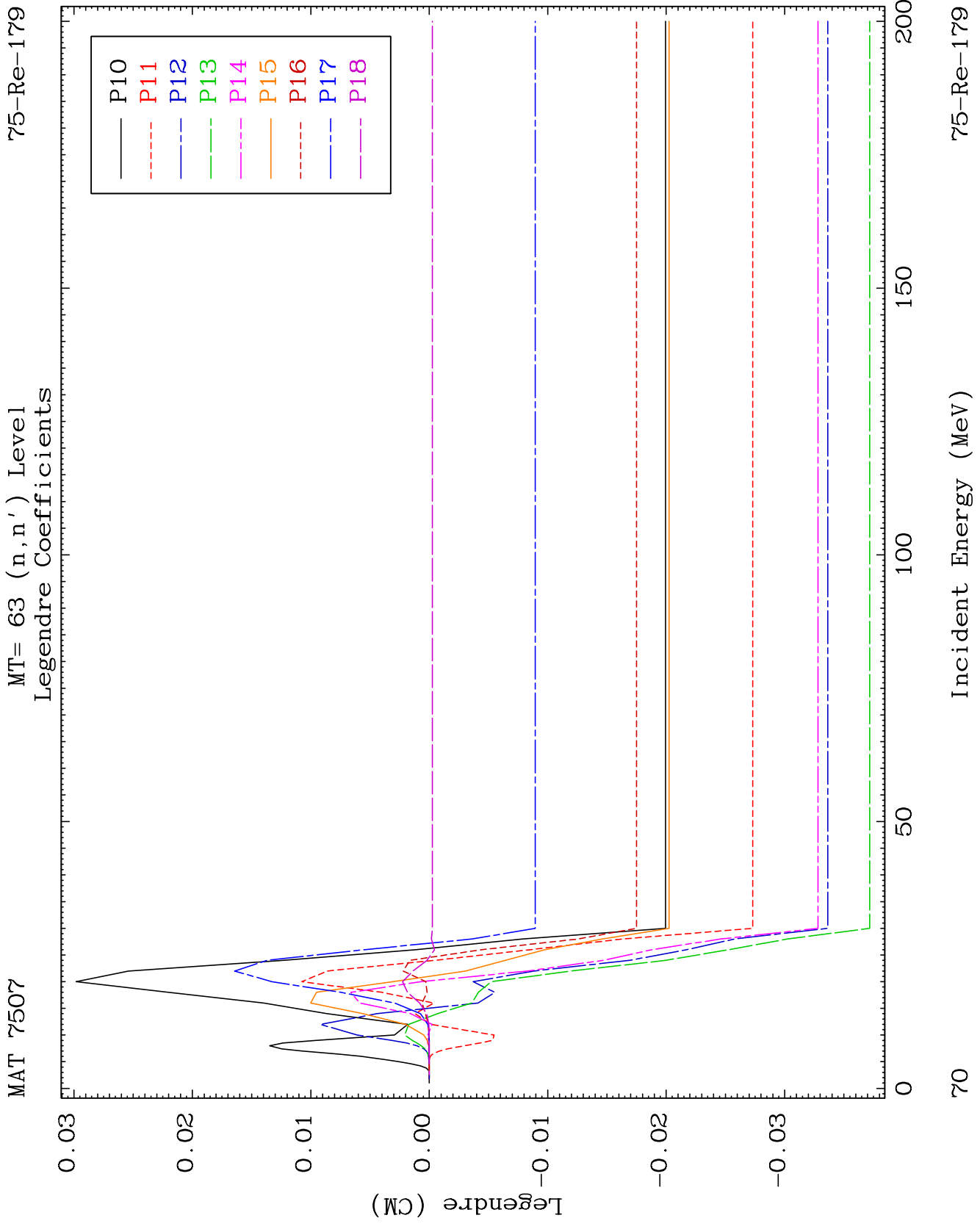
67

Incident Energy (MeV)

75-Re-179



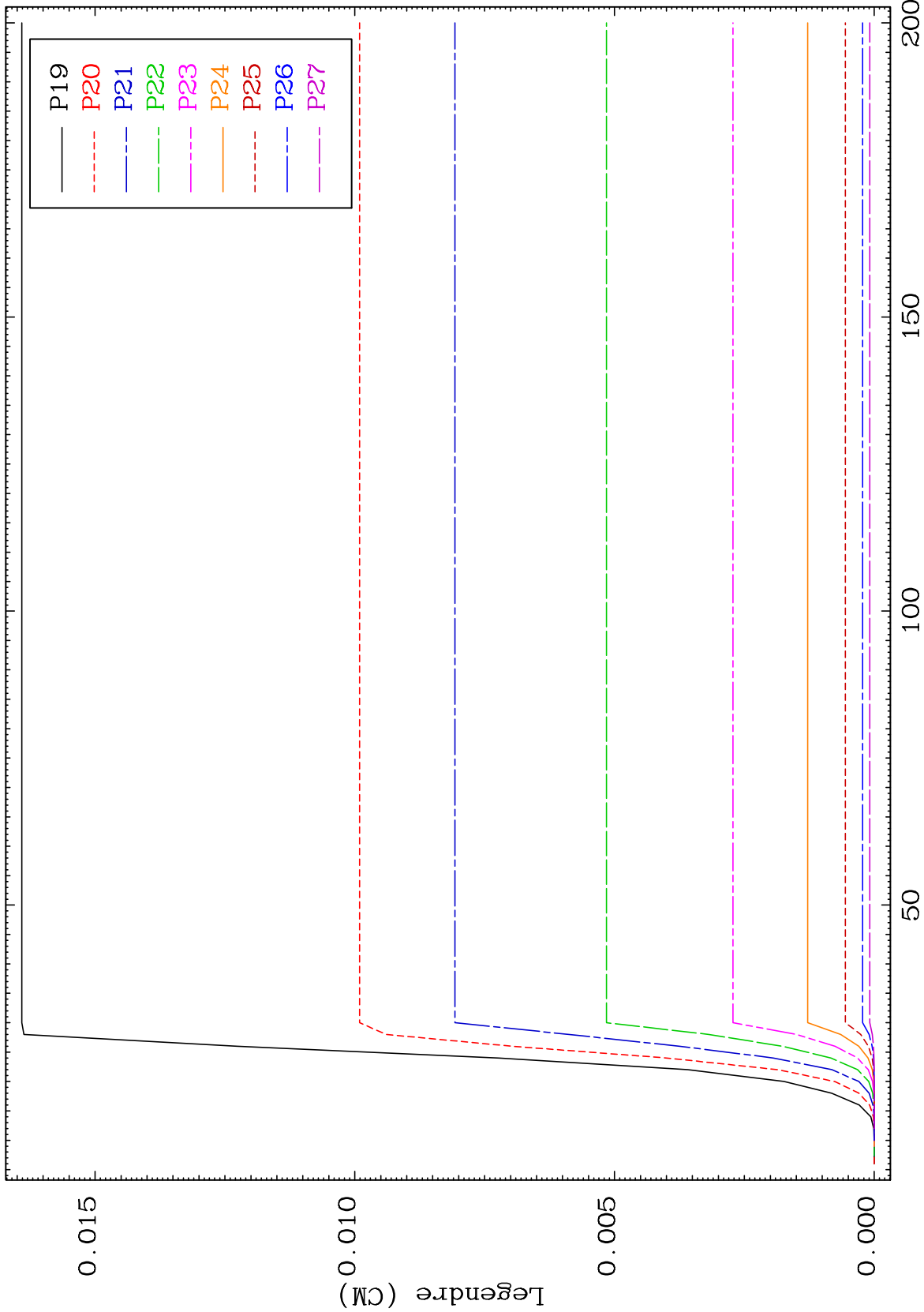




MAT 7507

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

75-Re-179



71

Incident Energy (MeV)

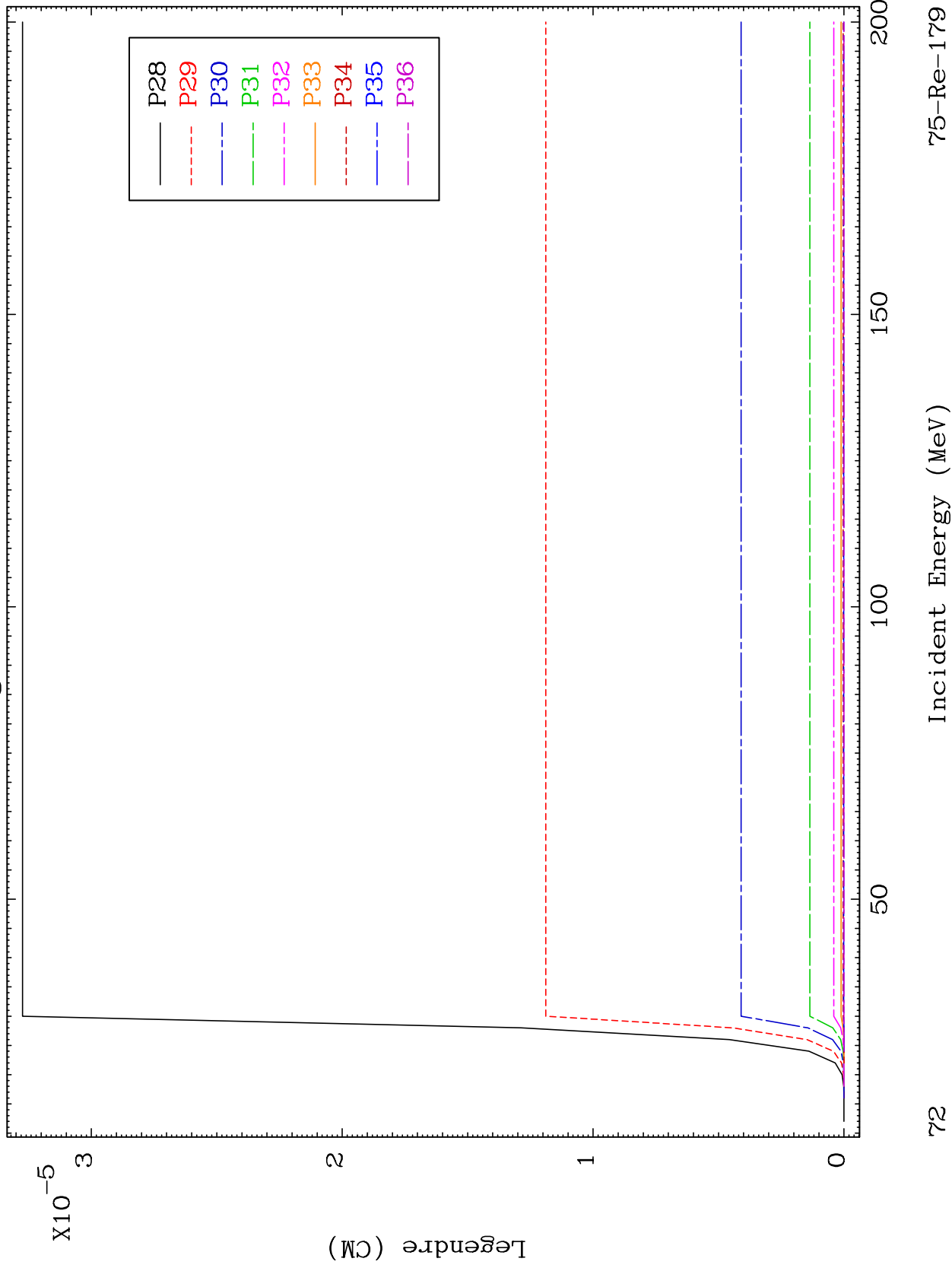
75-Re-179



MAT 7507

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

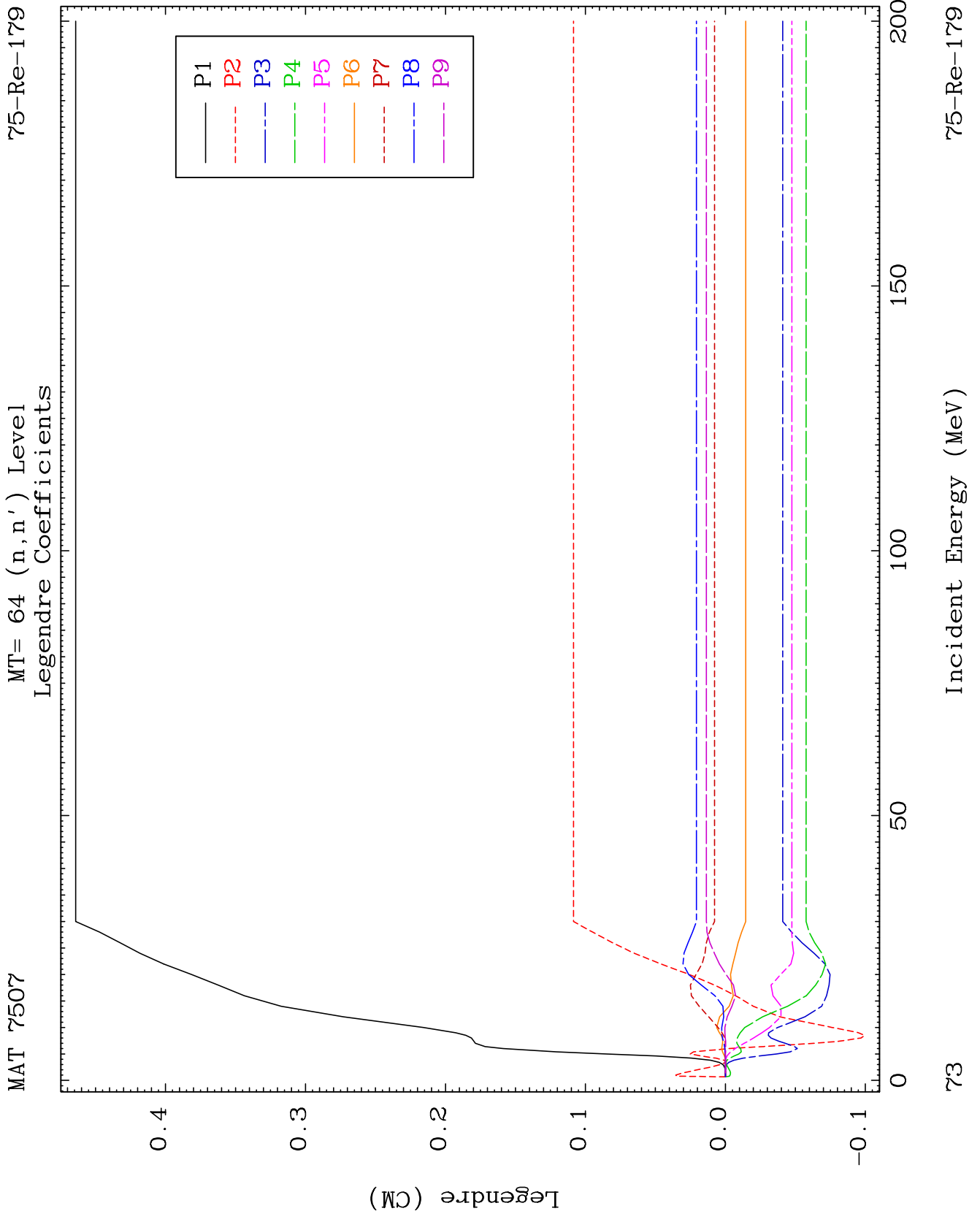
75-Re-179



72

Incident Energy (MeV)

75-Re-179

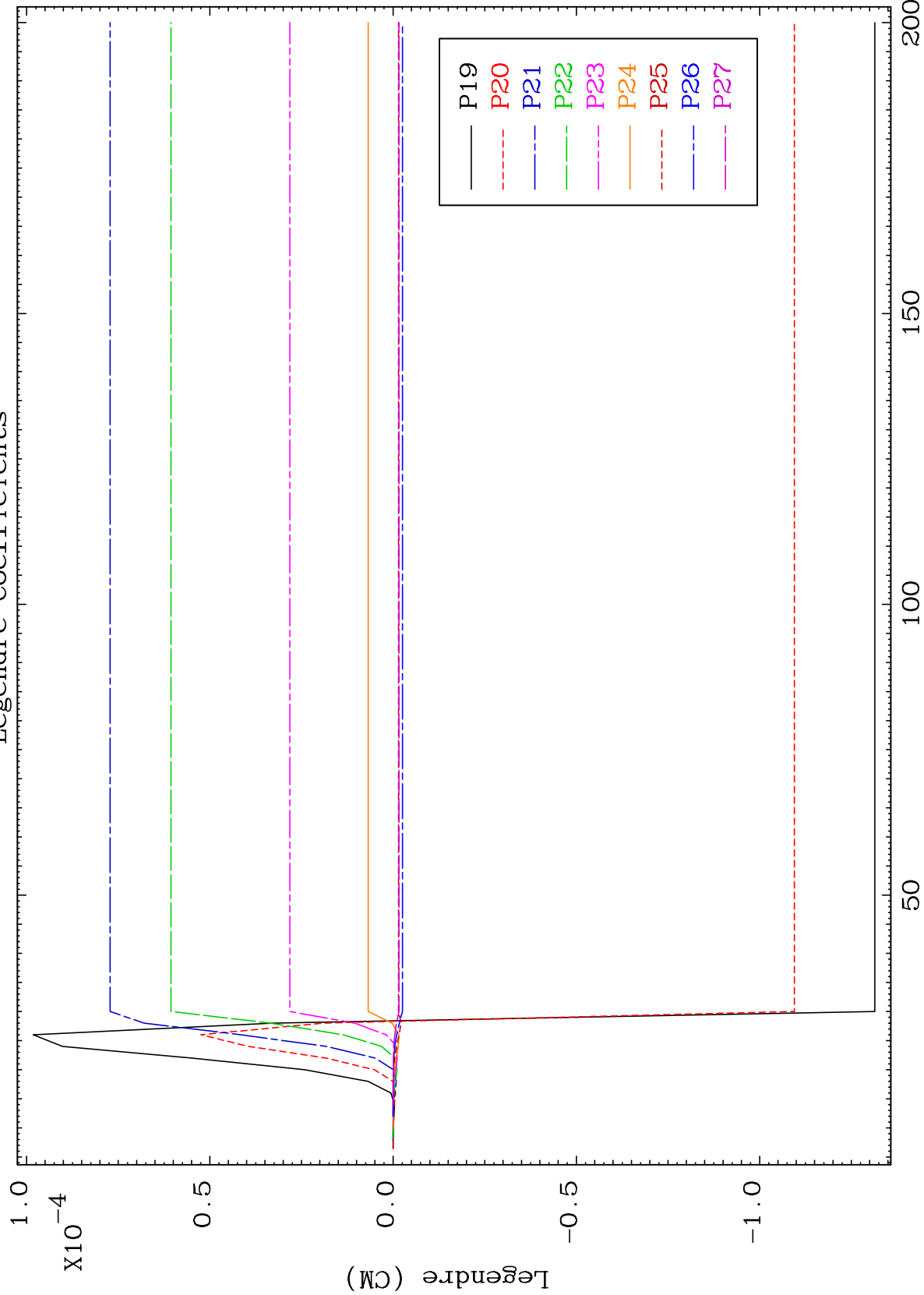




MAT 7507

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

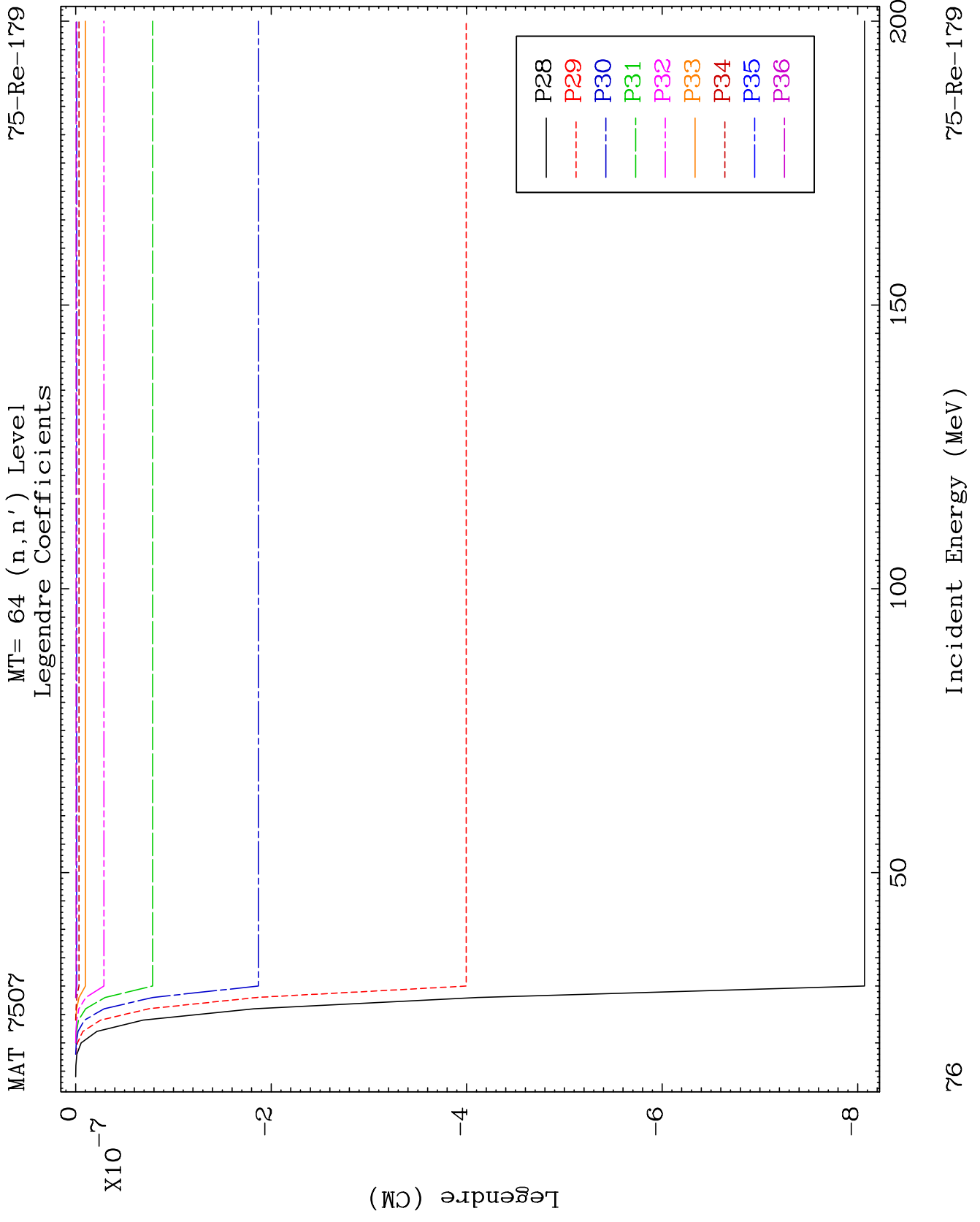
75-Re-179



75

Incident Energy (MeV)

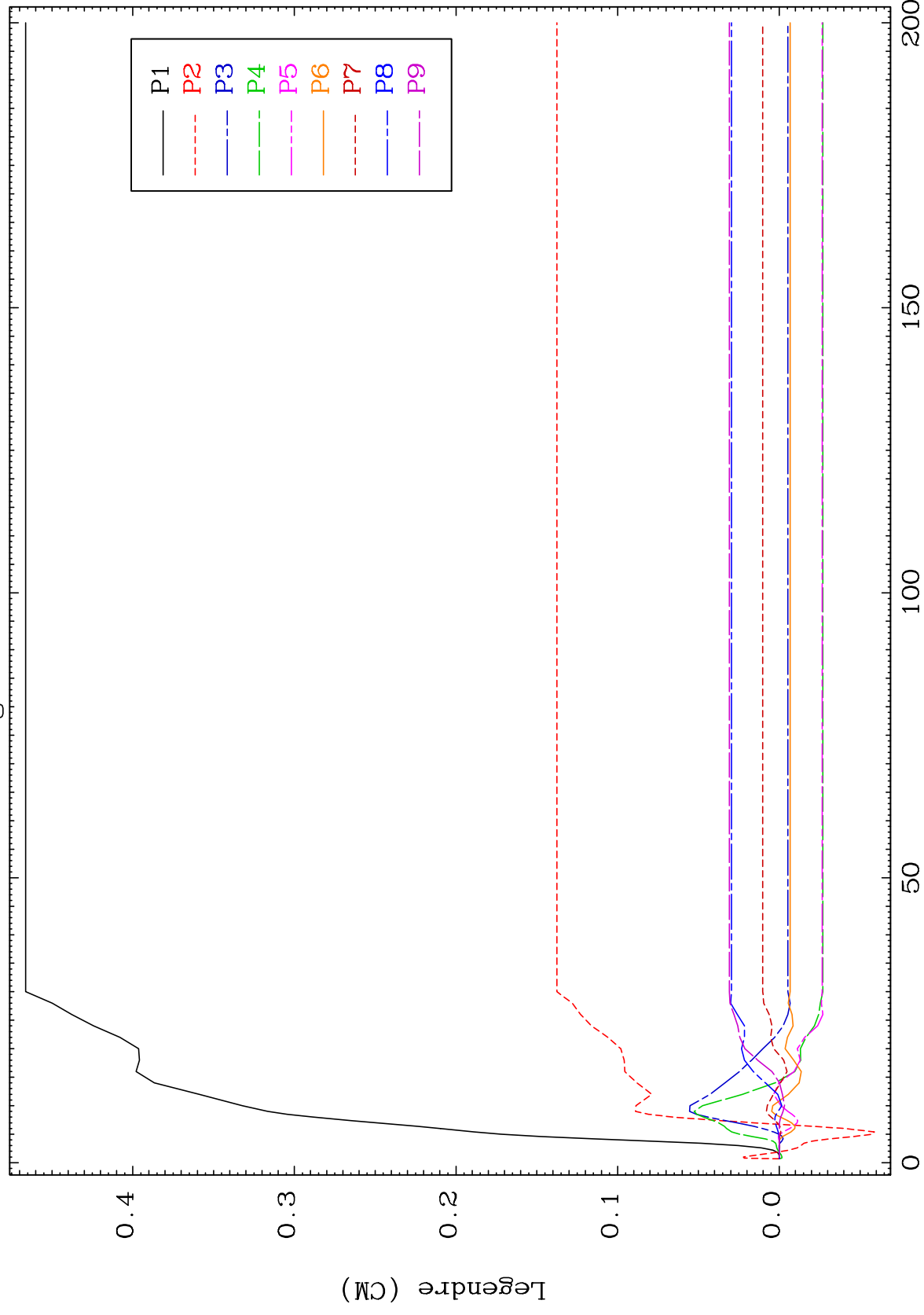
75-Re-179



MAT 7507

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

75-Re-179



77

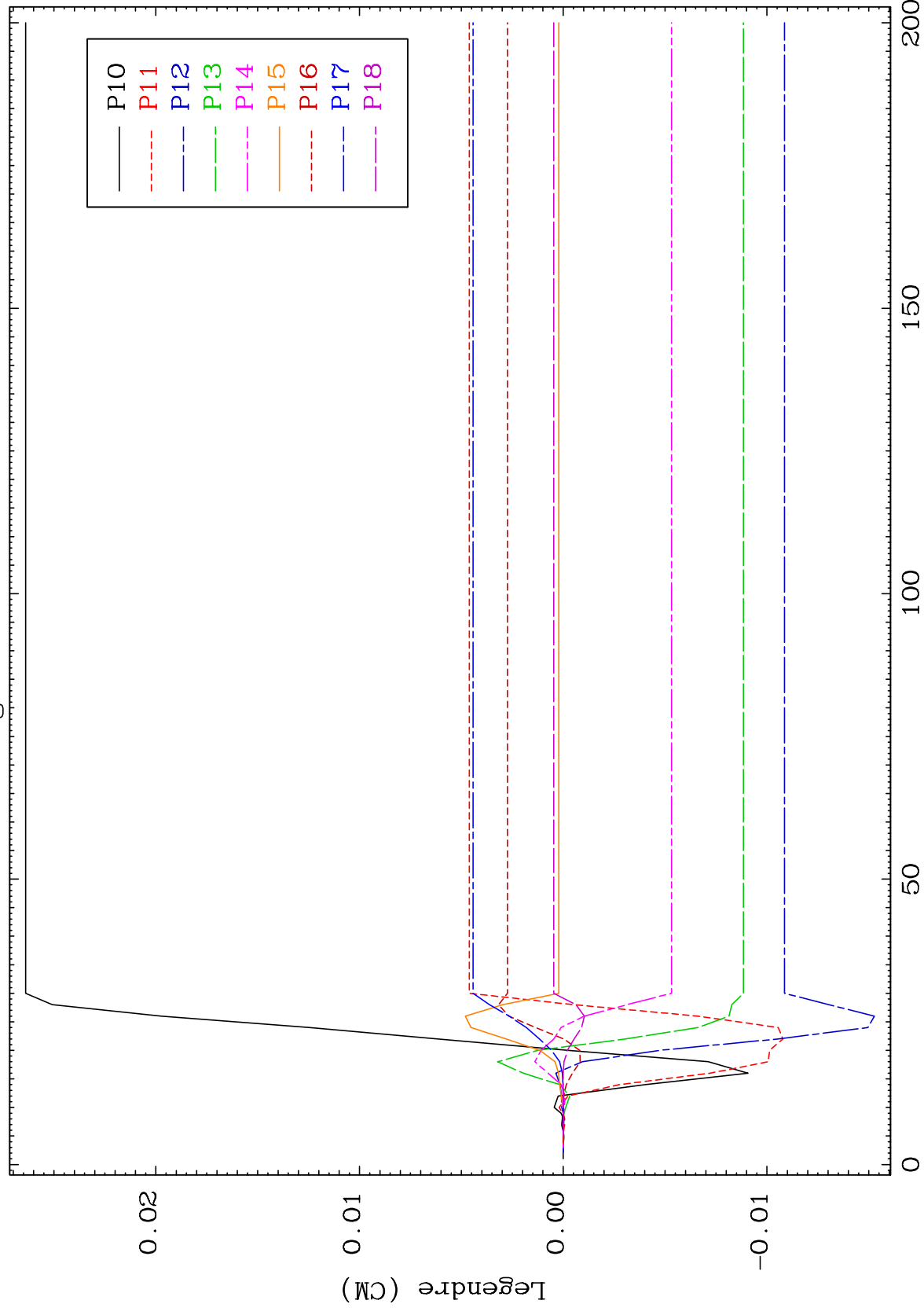
Incident Energy (MeV)

75-Re-179

MAT 7507

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

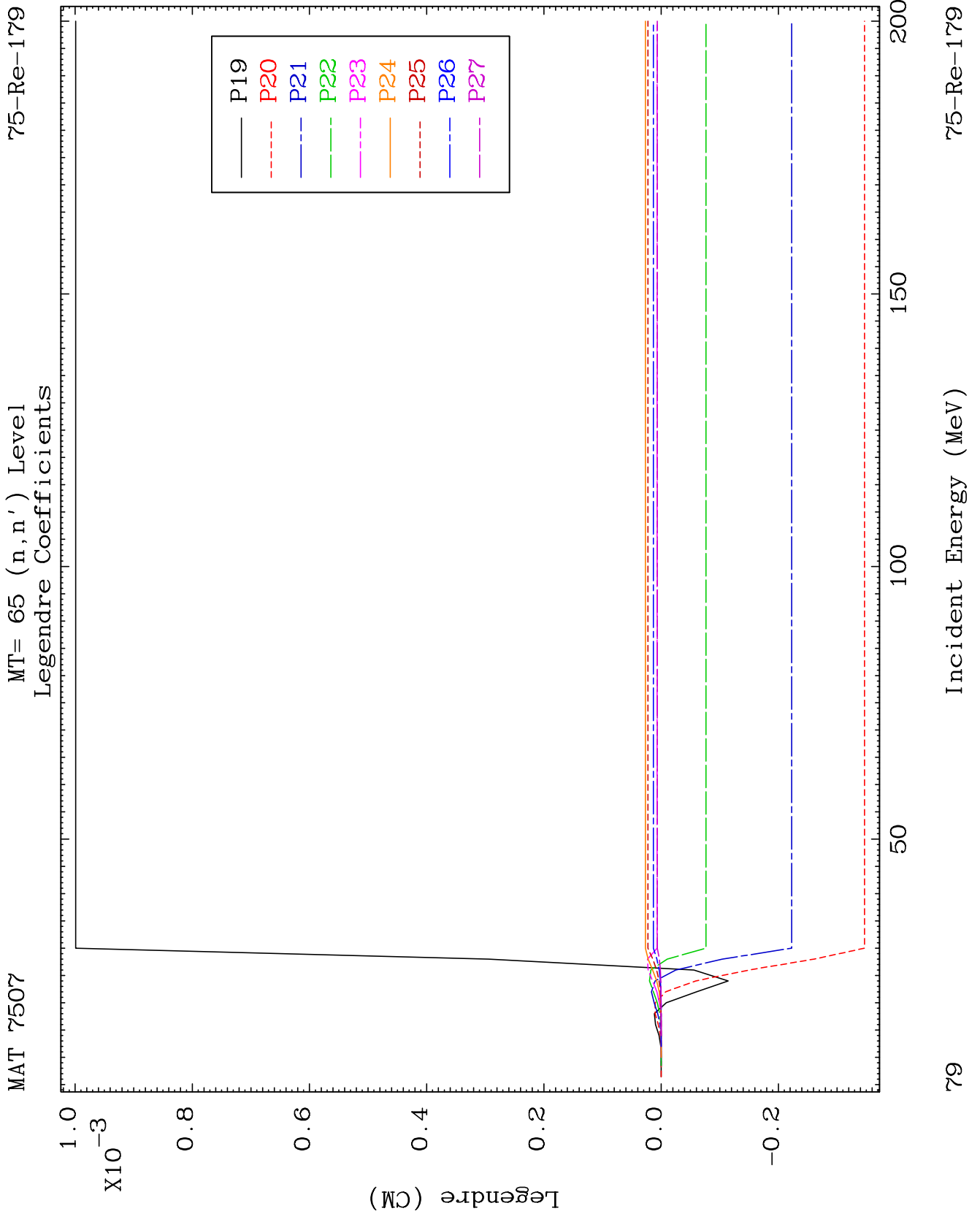
75-Re-179



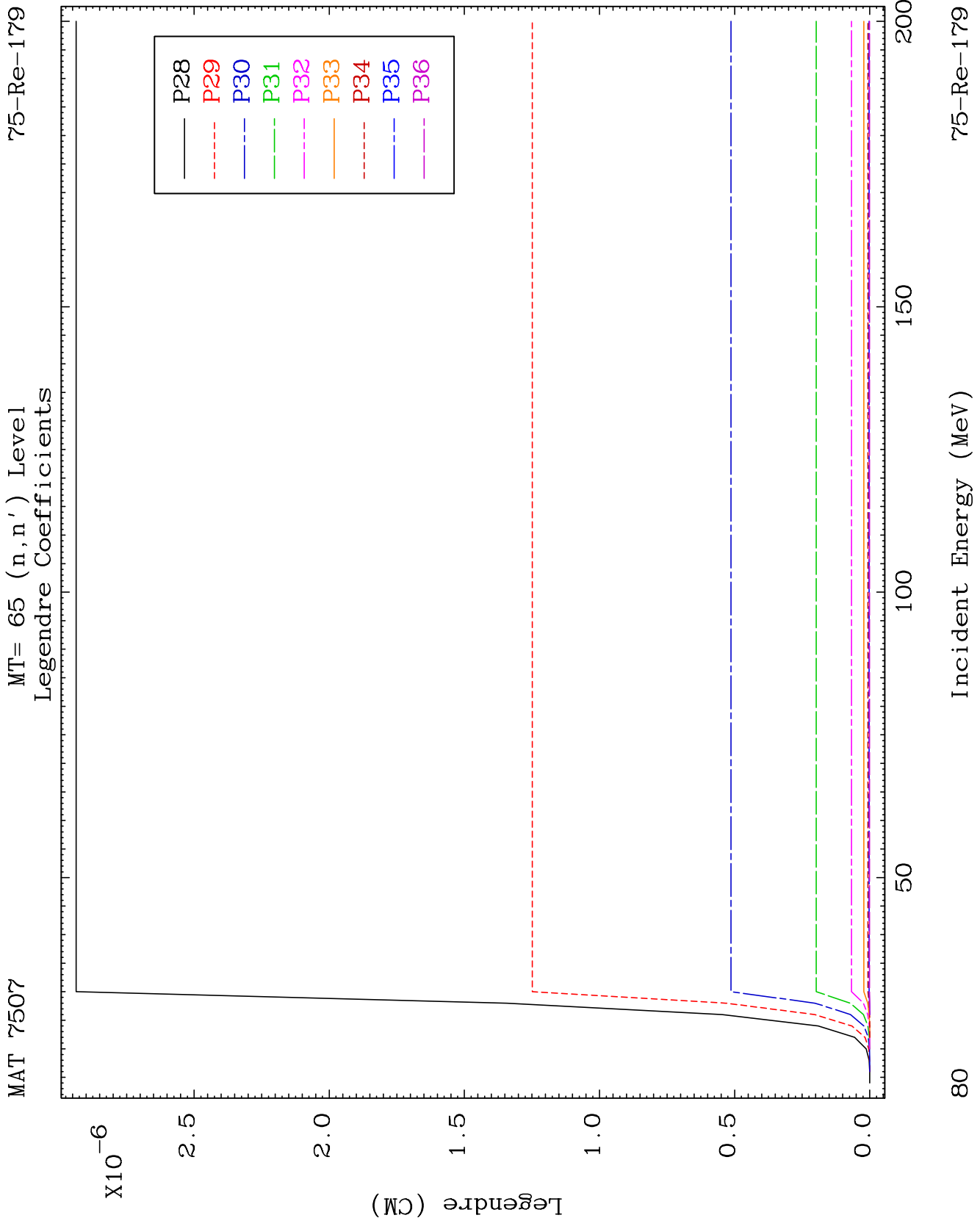
78

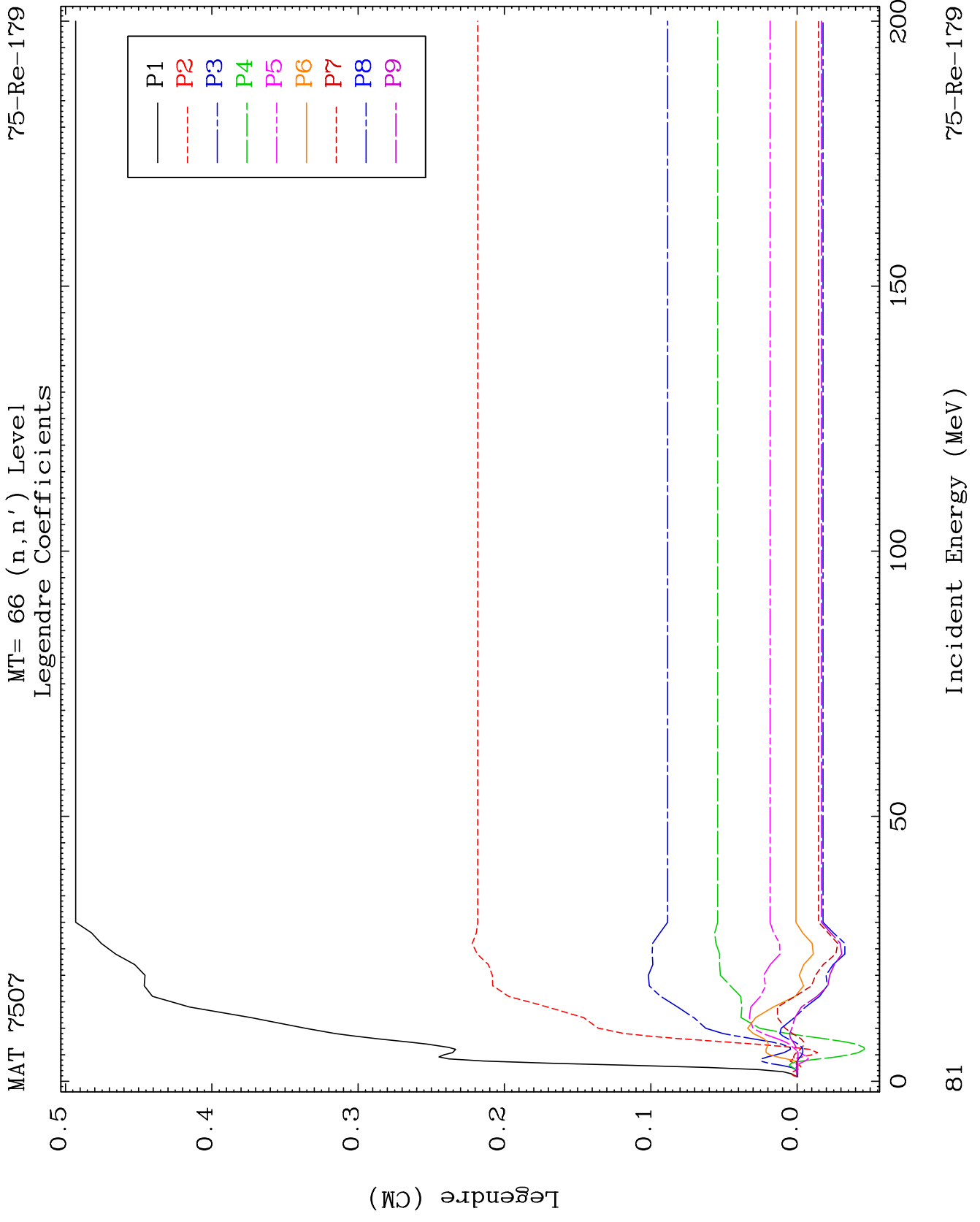
Incident Energy (MeV)

75-Re-179





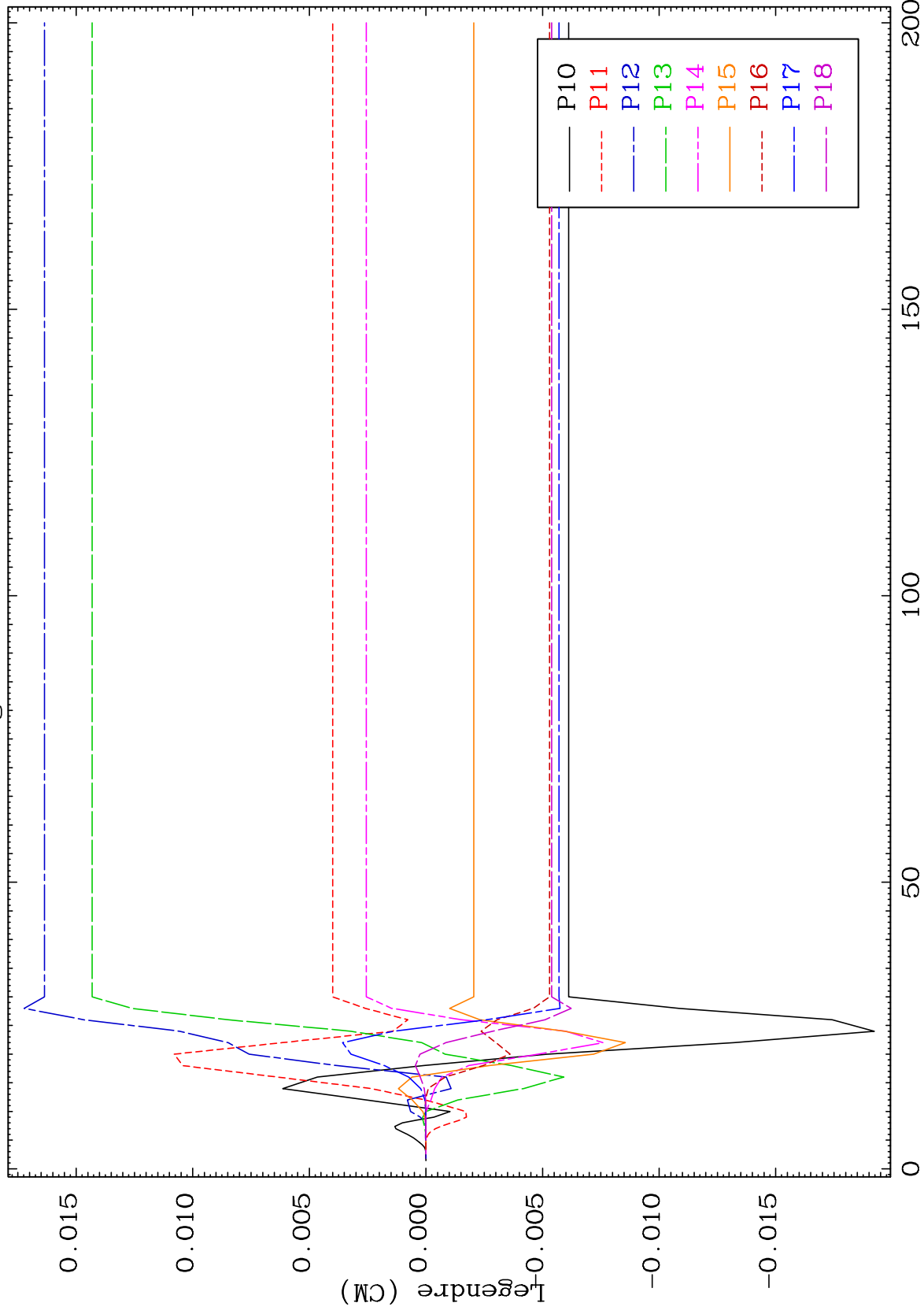




MAT 7507

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

75-Re-179



82

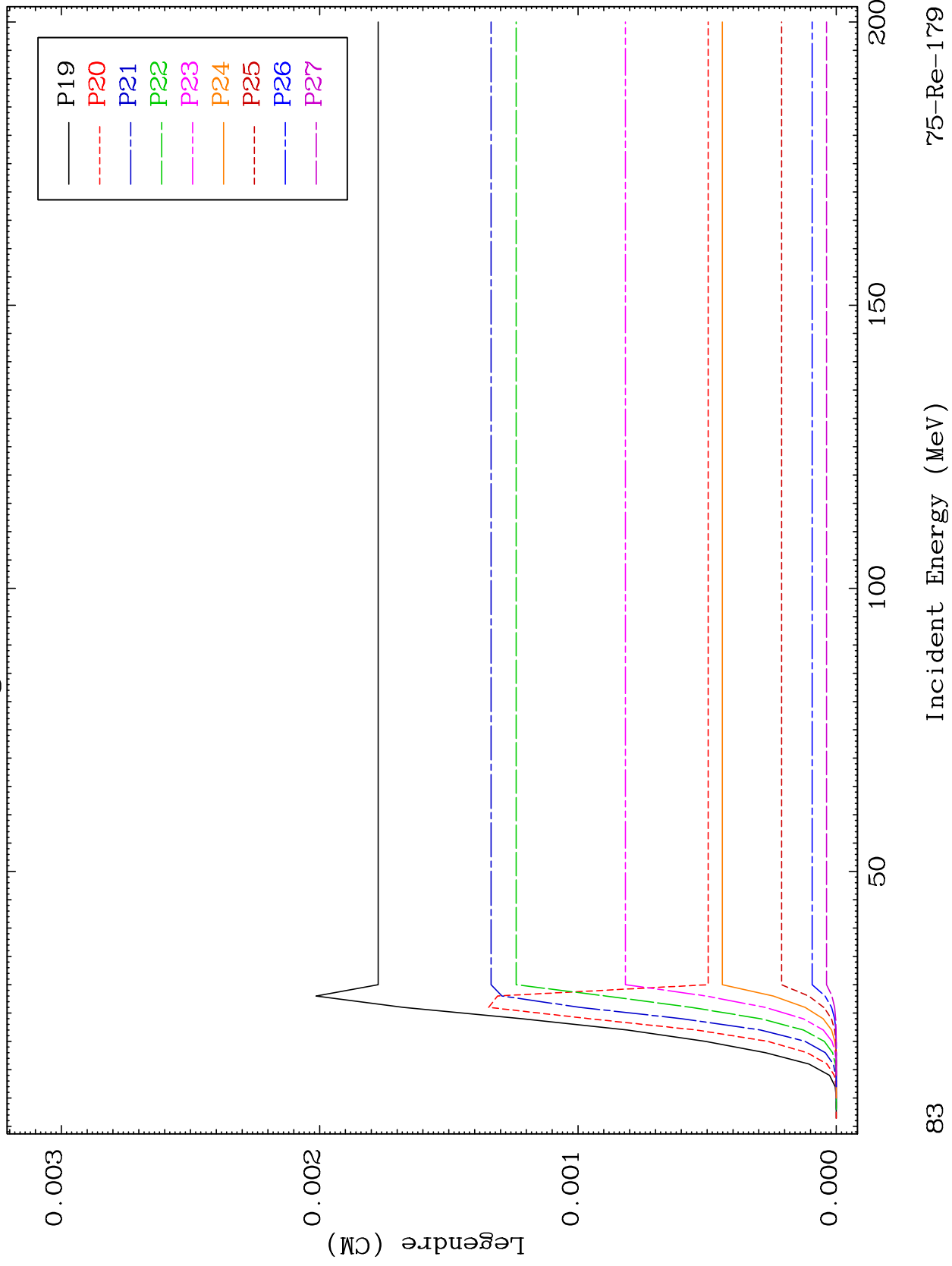
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



83

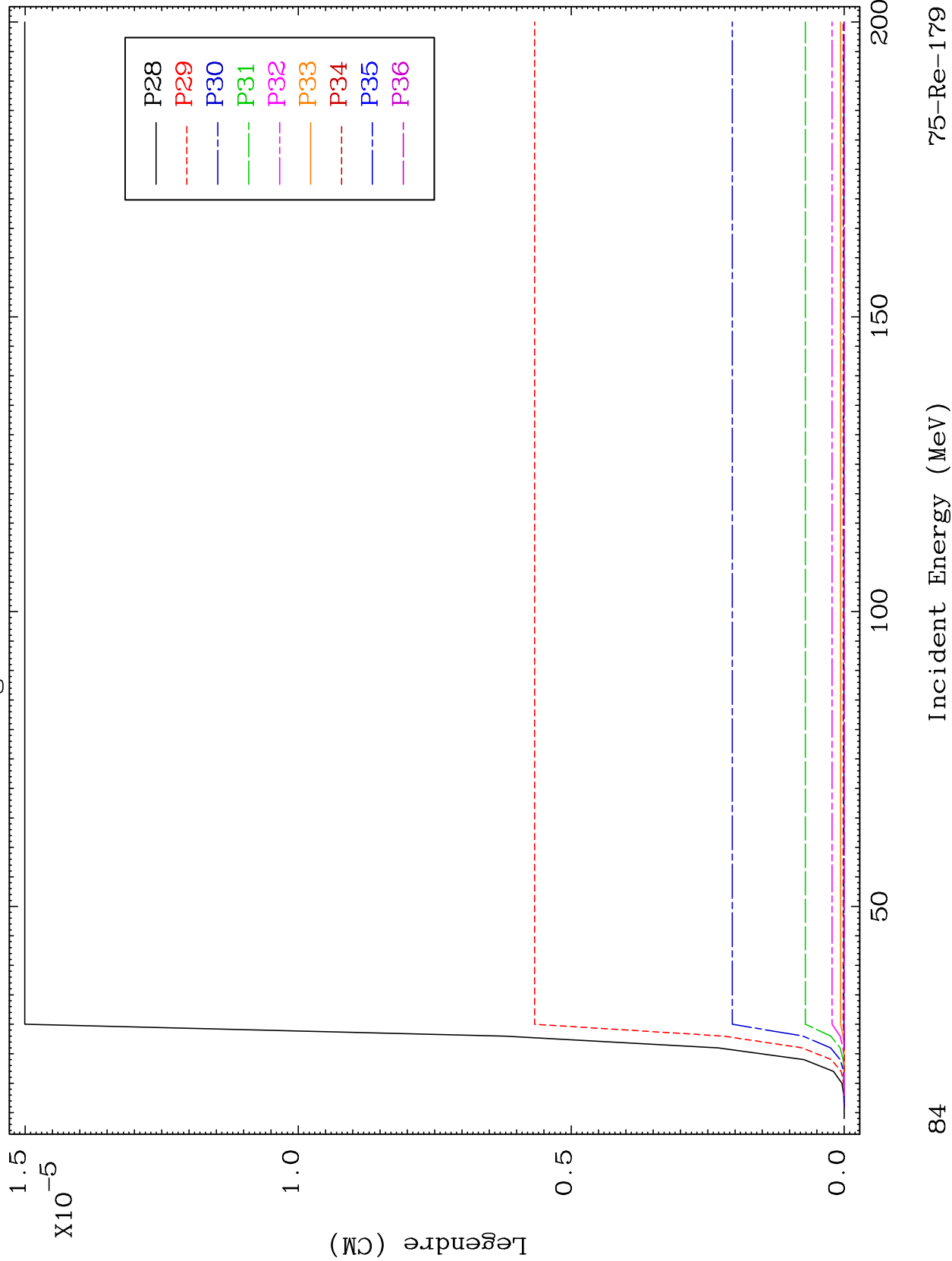
Incident Energy (MeV)

75-Re-179

MAT 7507

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

75-Re-179



84

Incident Energy (MeV)

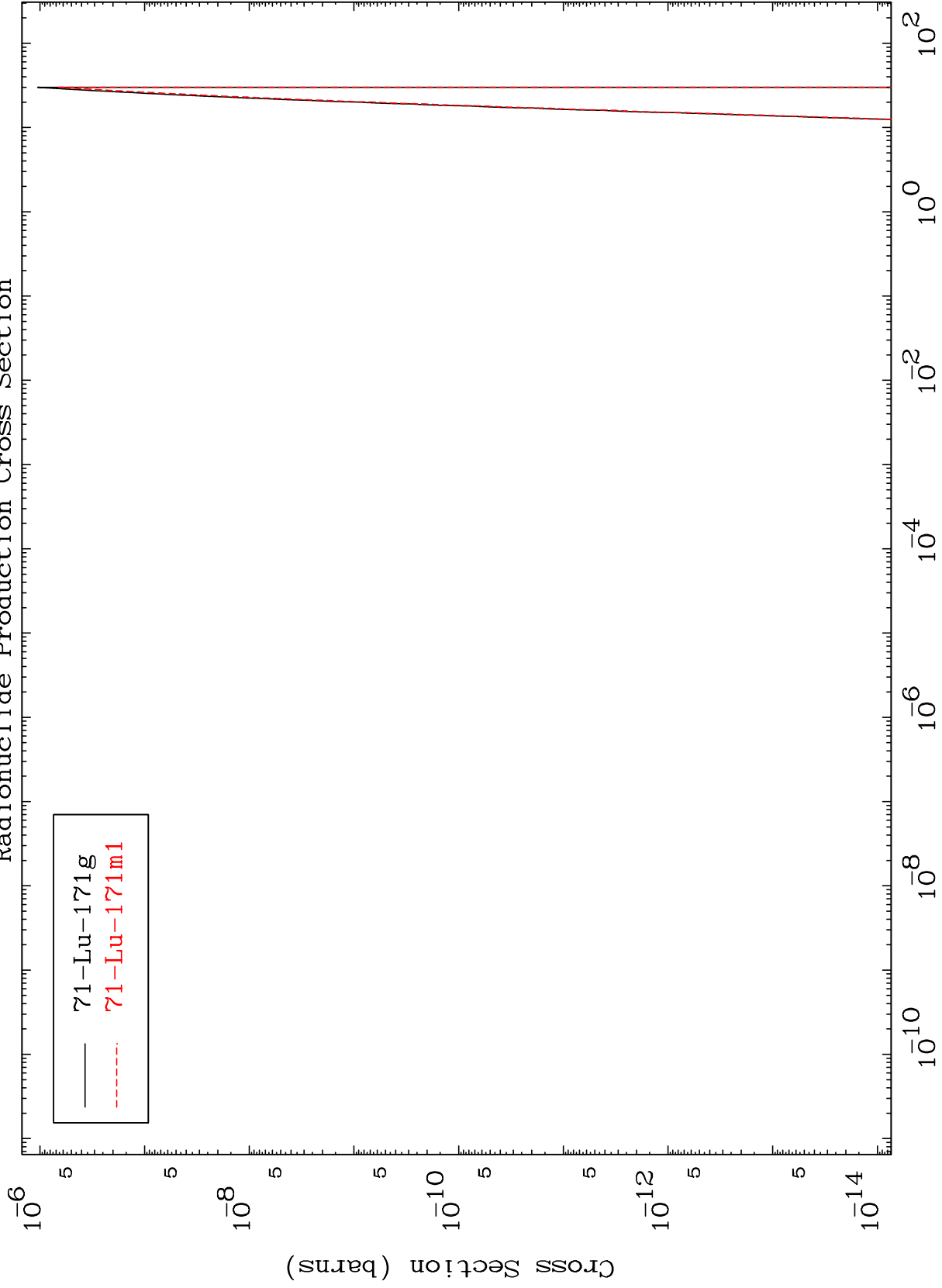
75-Re-179

MAT 7507

(n,n') 2α

75-Re-179

Radionuclide Production Cross Section



85

Incident Energy (MeV)

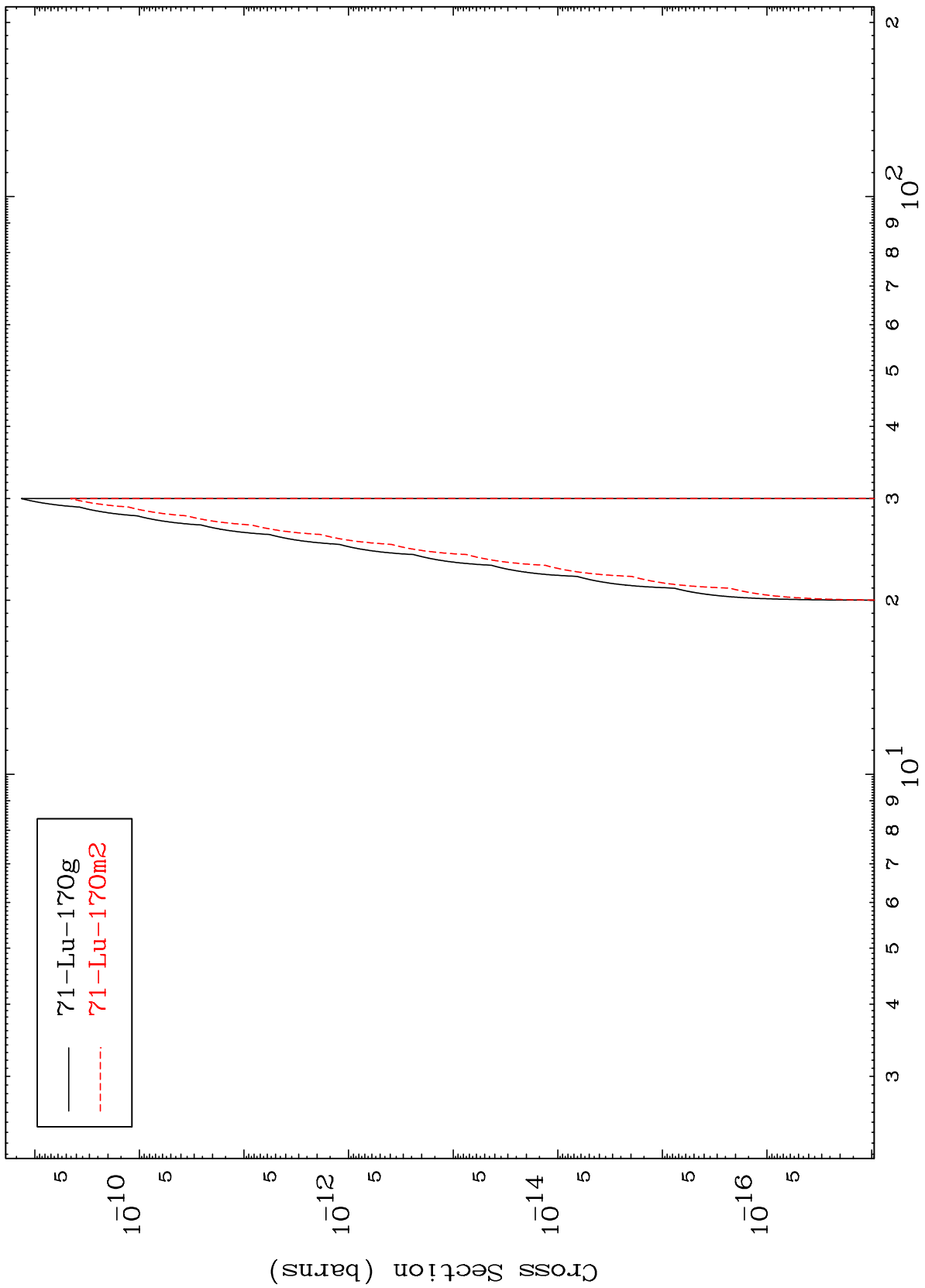
75-Re-179

MAT 7507

$^{71}\text{Lu}$ -170g

$^{75}\text{Re}$ -179

Radionuclide Production Cross Section

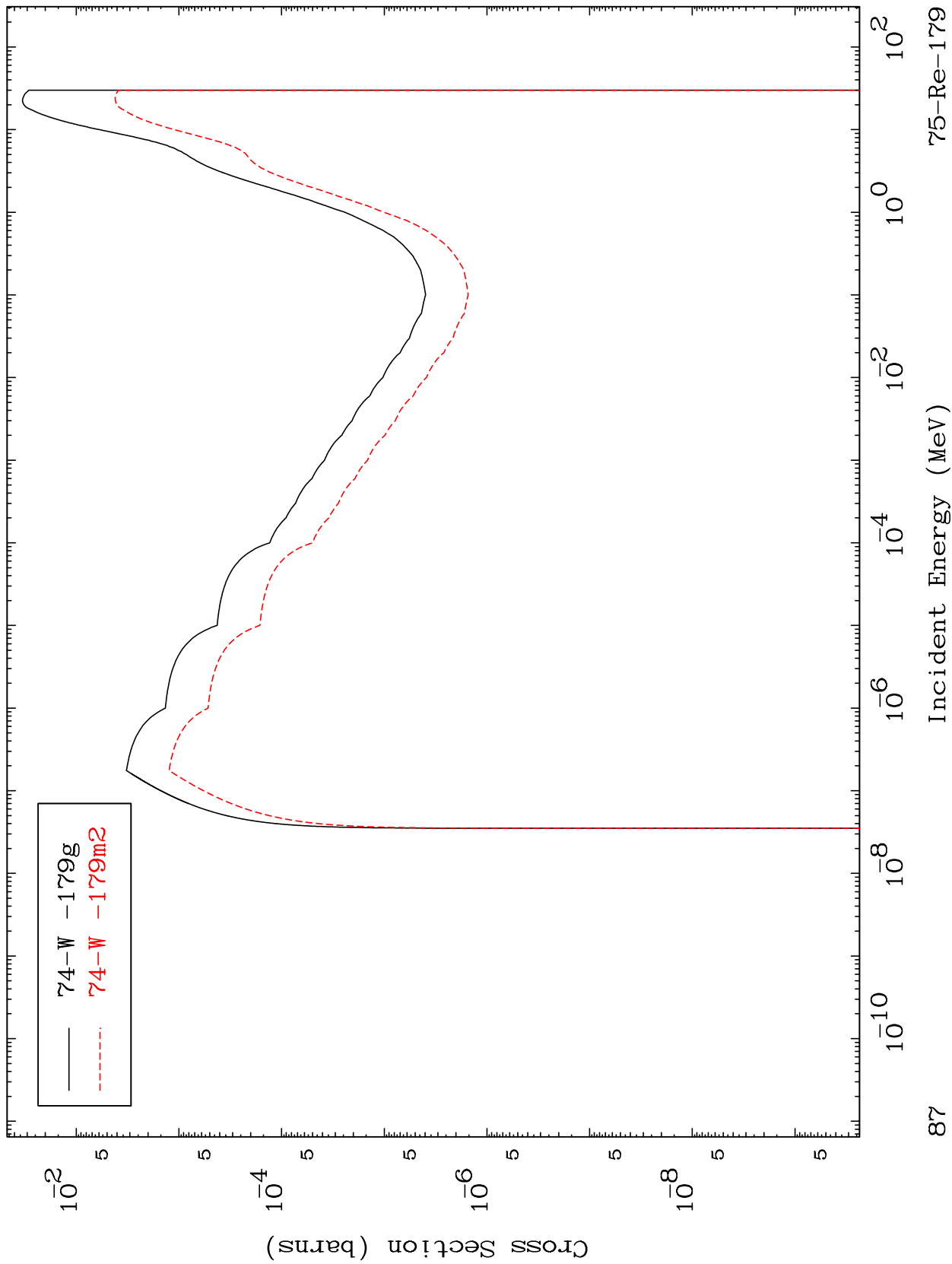


MAT 7507

(n,p)

<sup>75</sup>Re-<sup>179</sup>

Radionuclide Production Cross Section





MAT 7507

(n,2α)

75-Re-179

Radionuclide Production Cross Section

