

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
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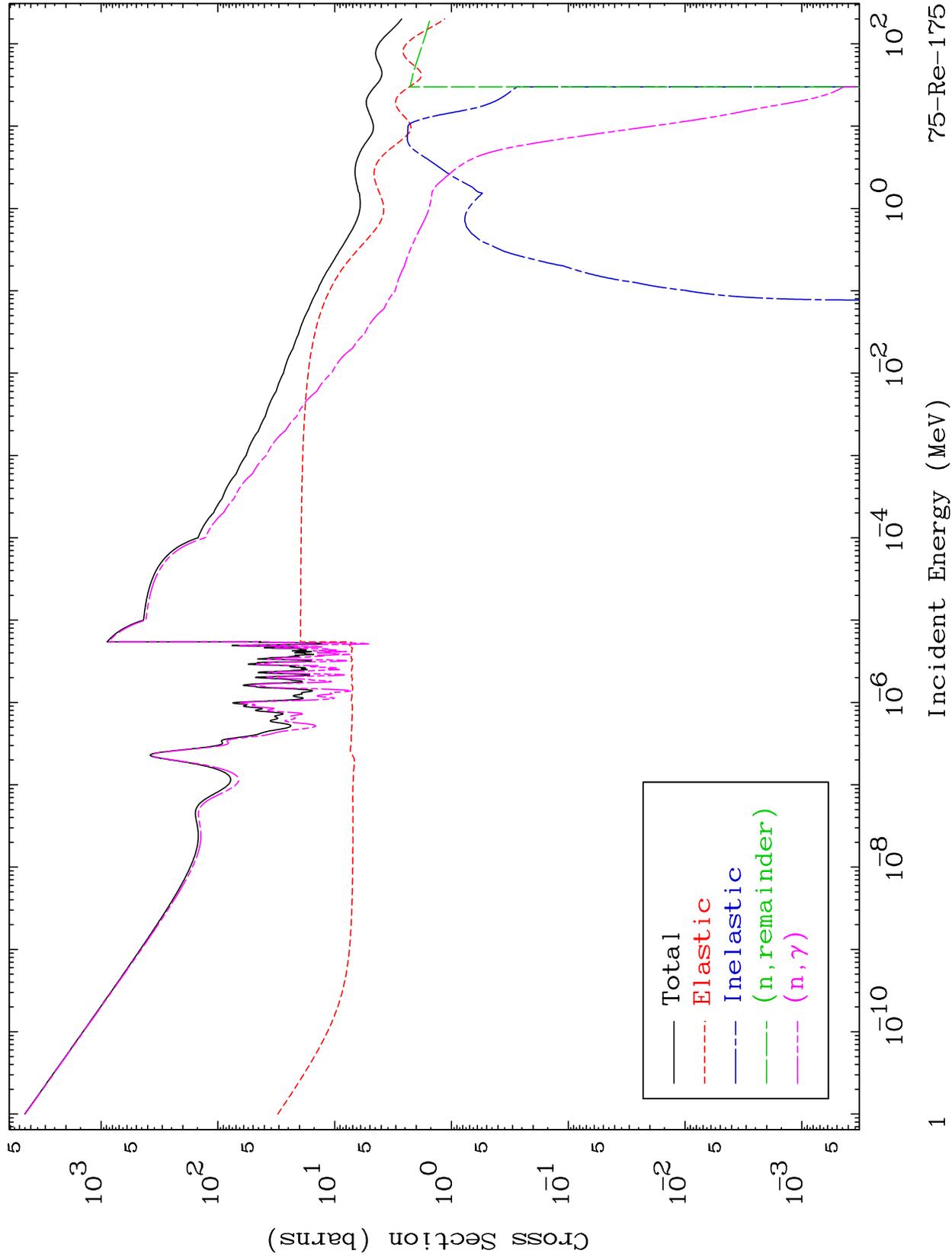
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7495

Major
293 Kelvin Cross Sections

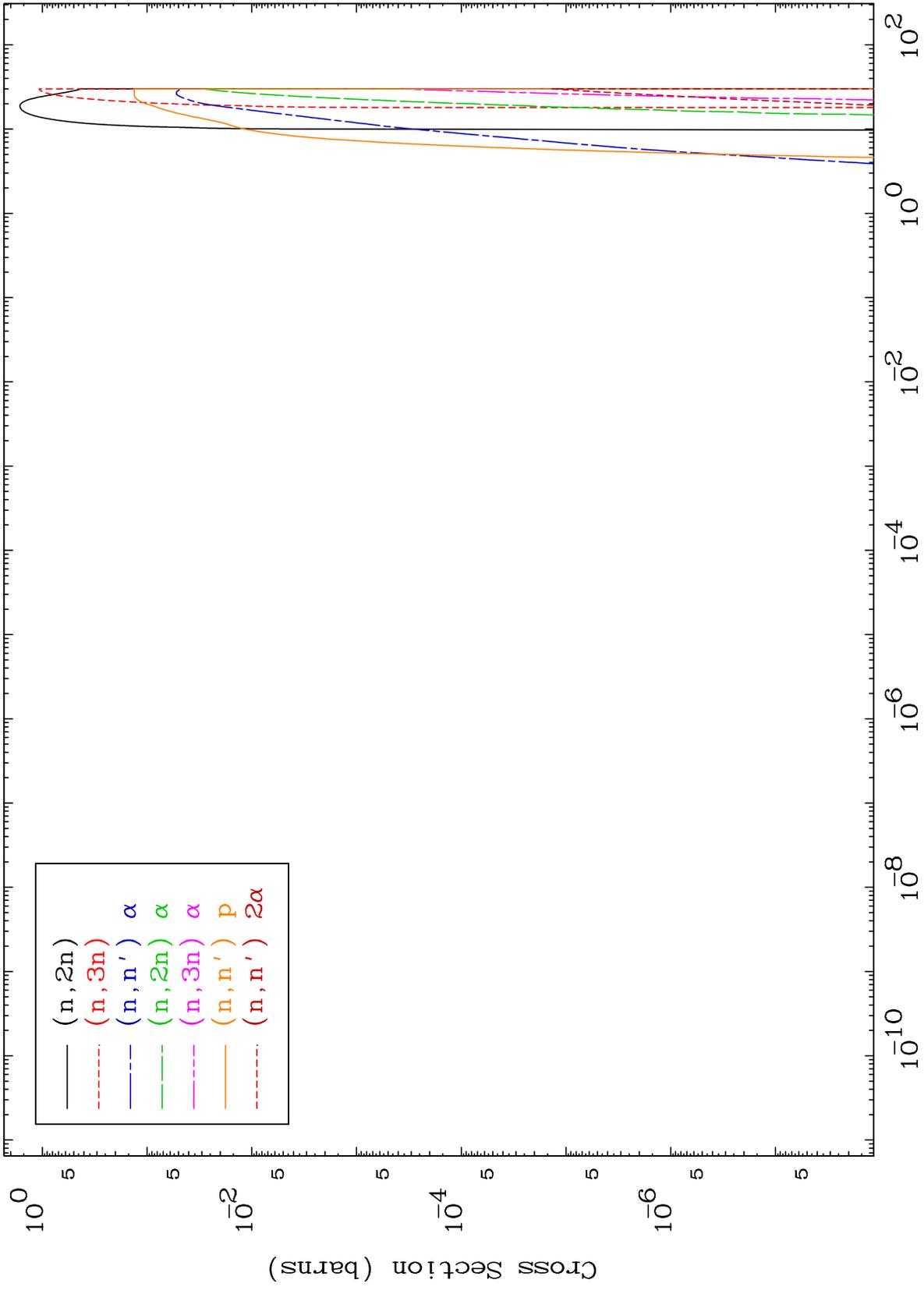
75-Re-175



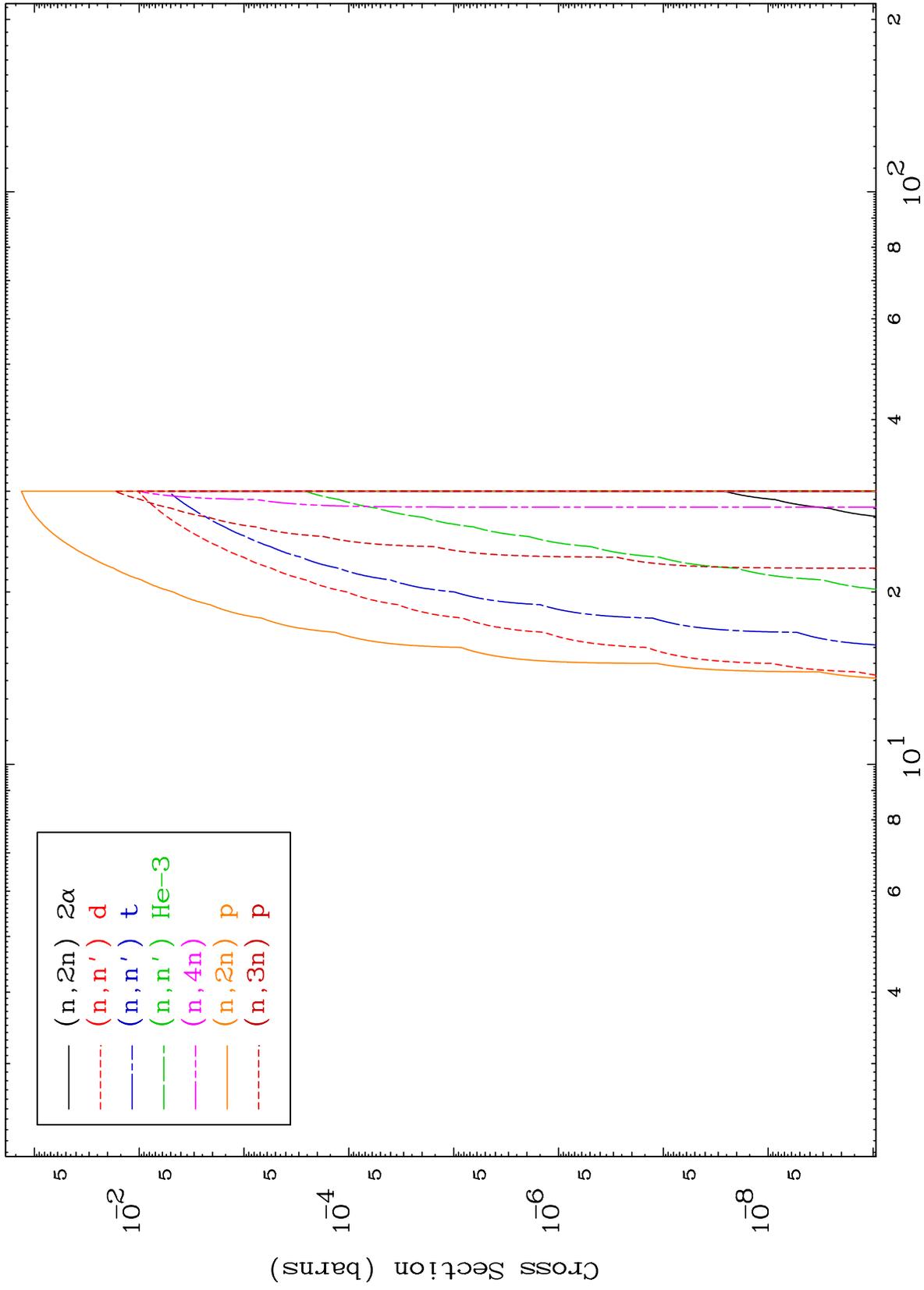
MAT 7495

Neutron Production
293 Kelvin Cross Sections

75-Re-175



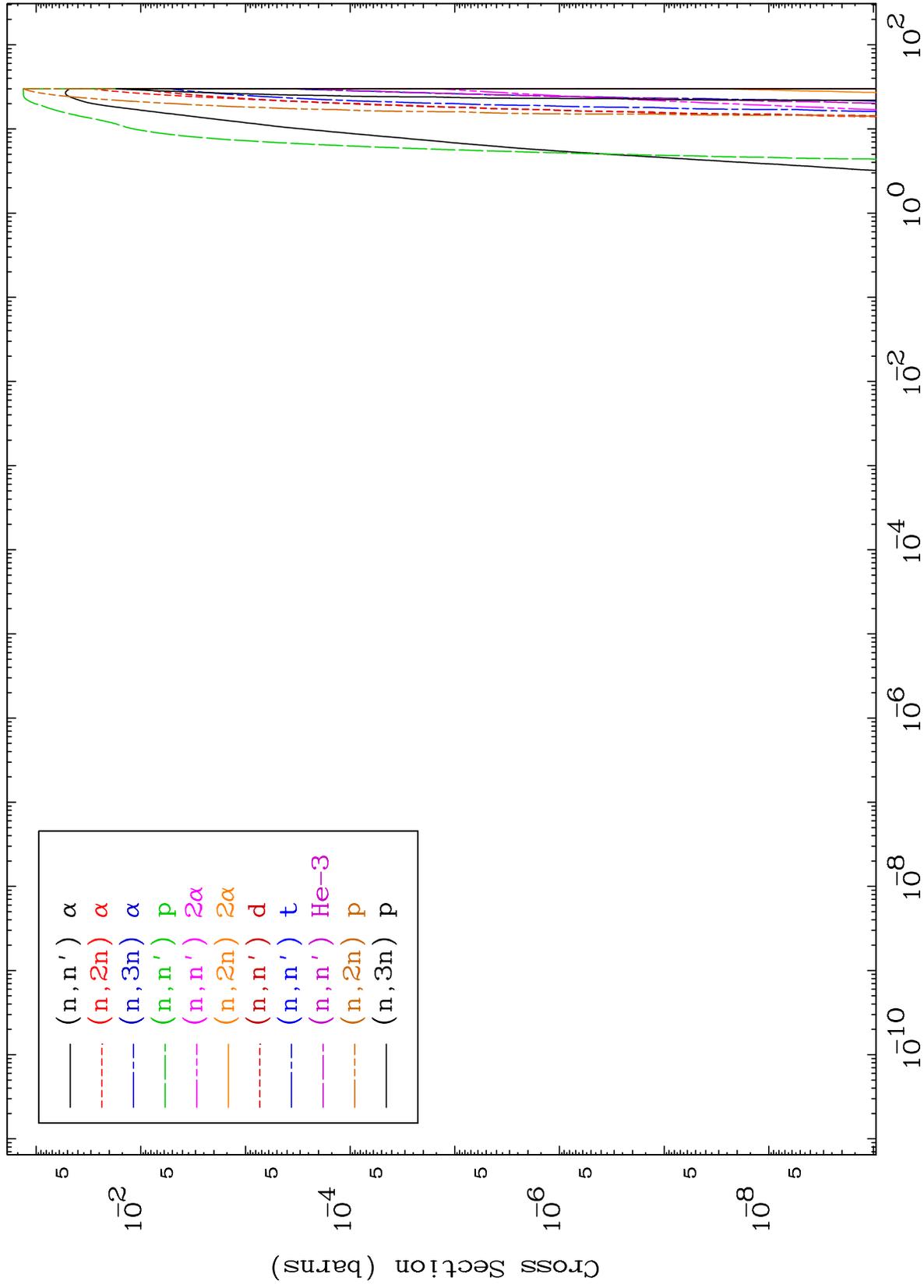
75-Re-175



MAT 7495

Charged Particle
293 Kelvin Cross Sections

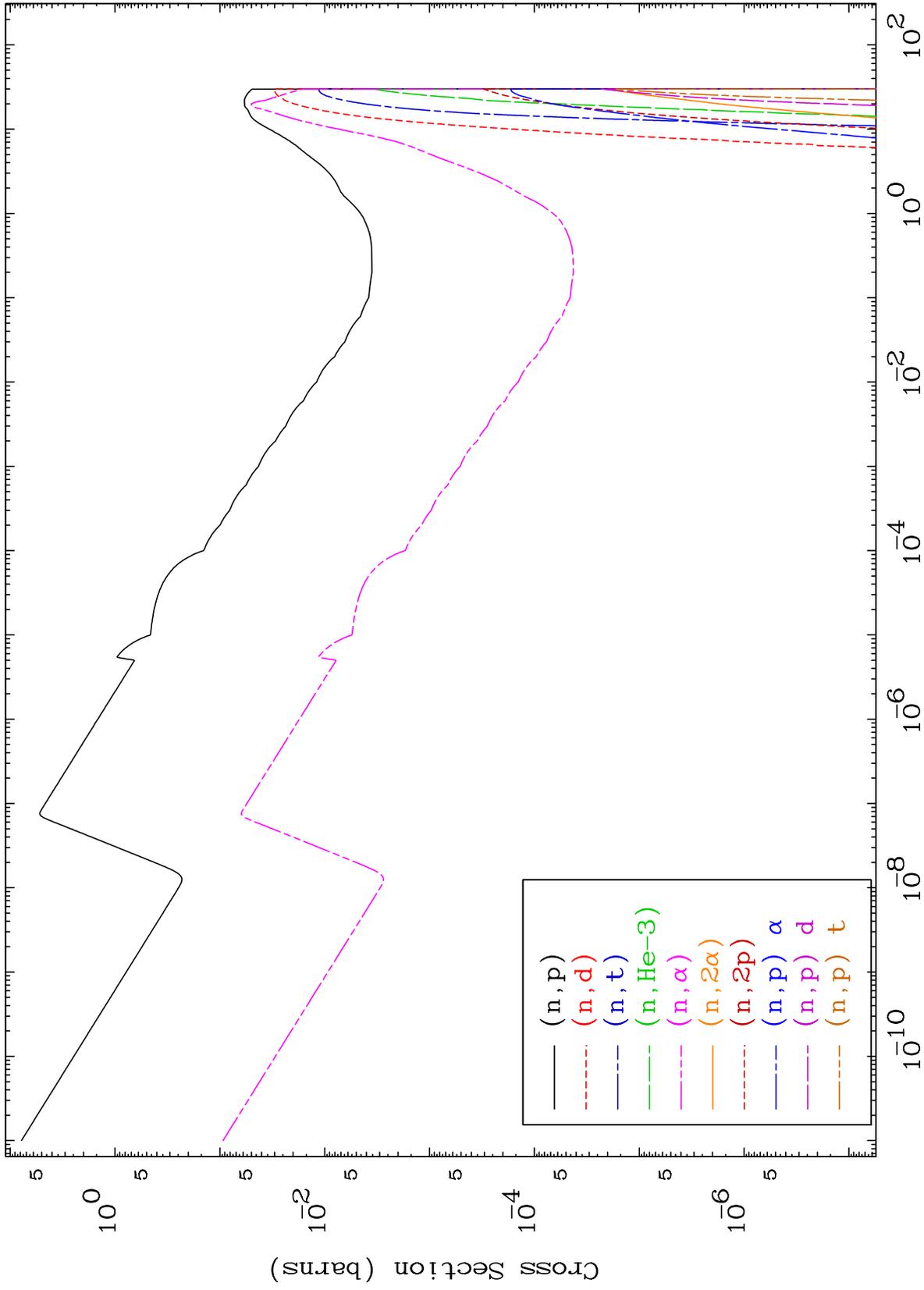
75-Re-175



MAT 7495

Charged Particle
293 Kelvin Cross Sections

75-Re-175



5

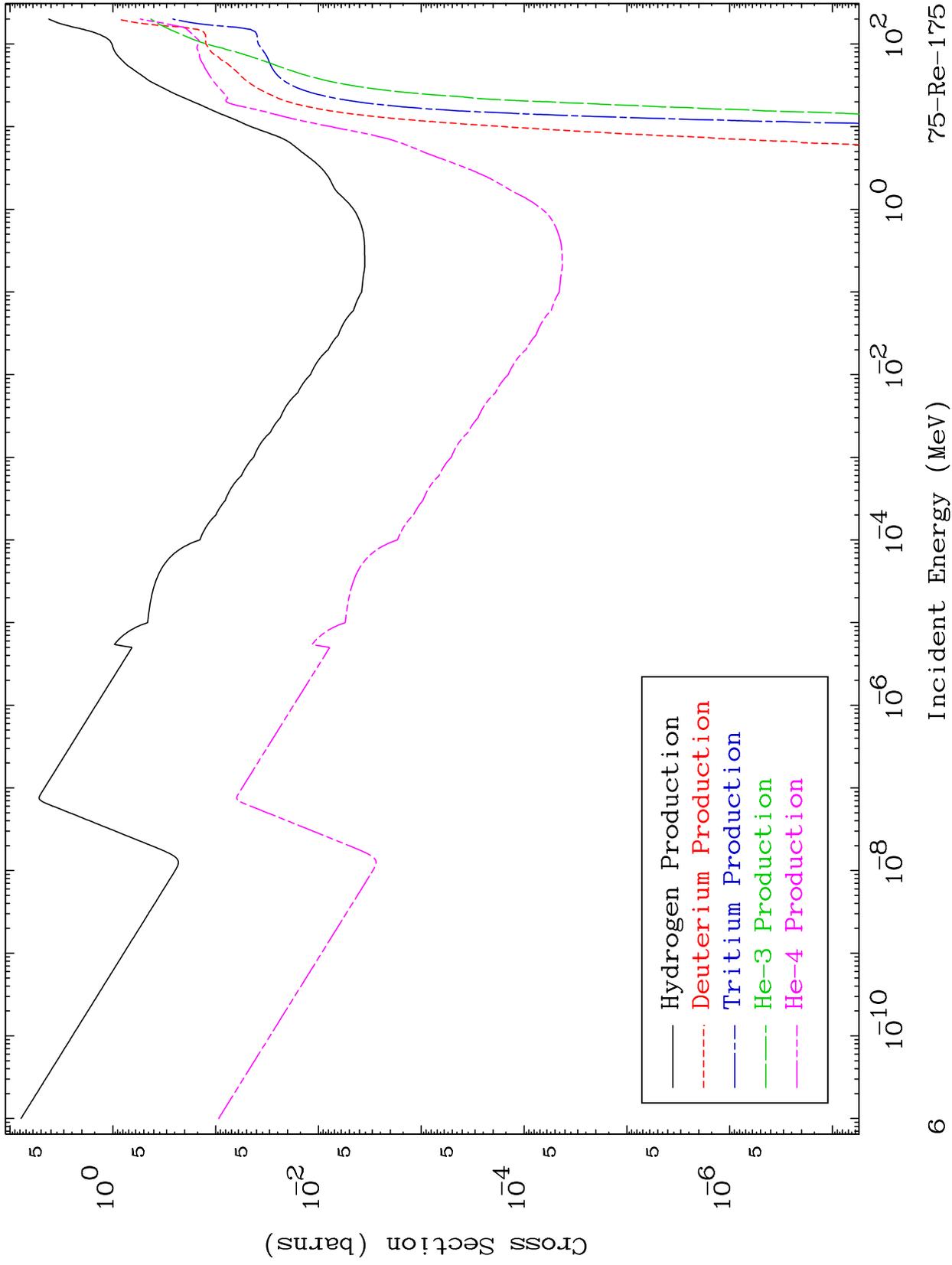
Incident Energy (MeV)

75-Re-175

MAT 7495

Particle Production
293 Kelvin Cross Sections

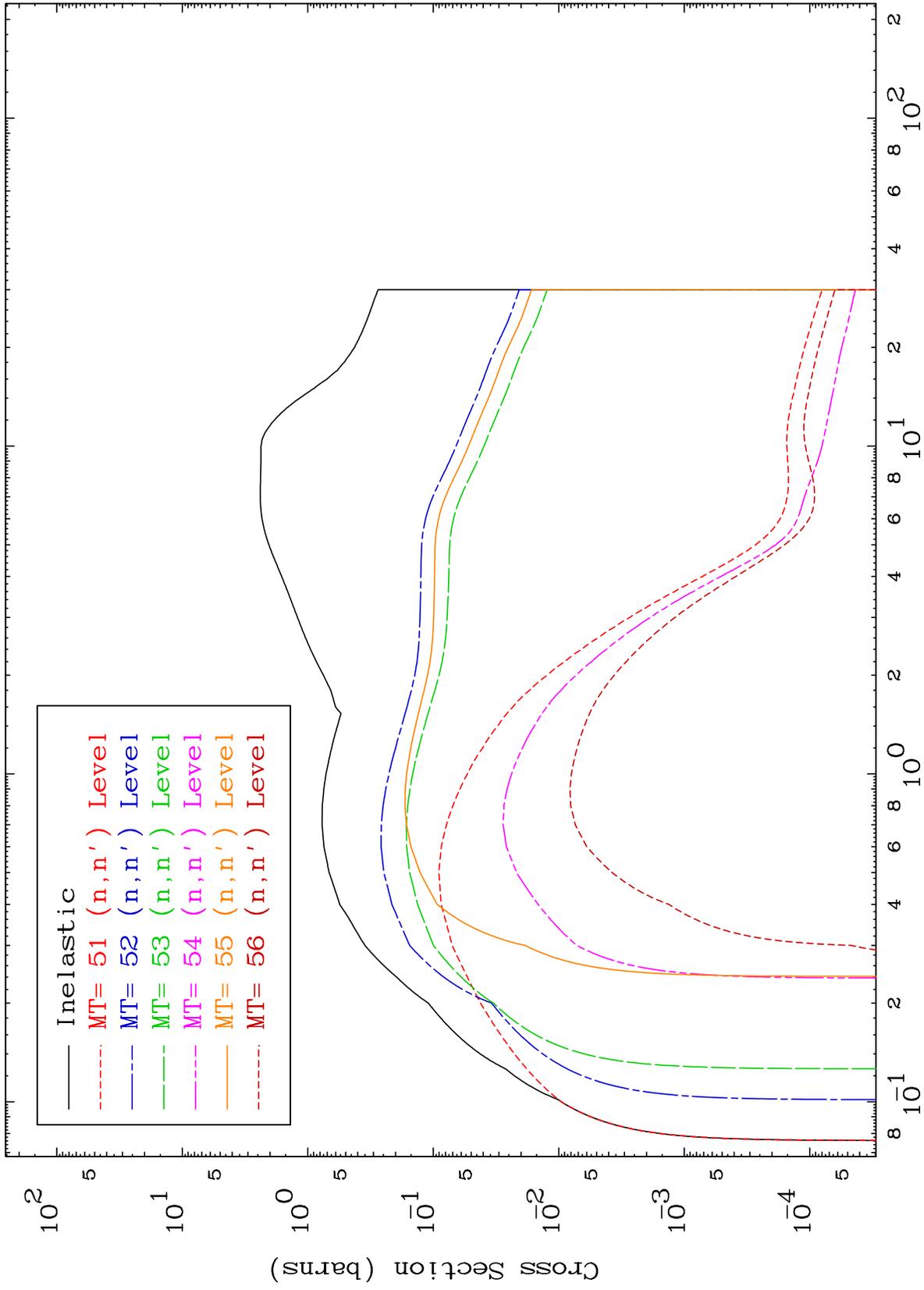
75-Re-175



MAT 7495

(n,n') Level
293 Kelvin Cross Sections

75-Re-175



7

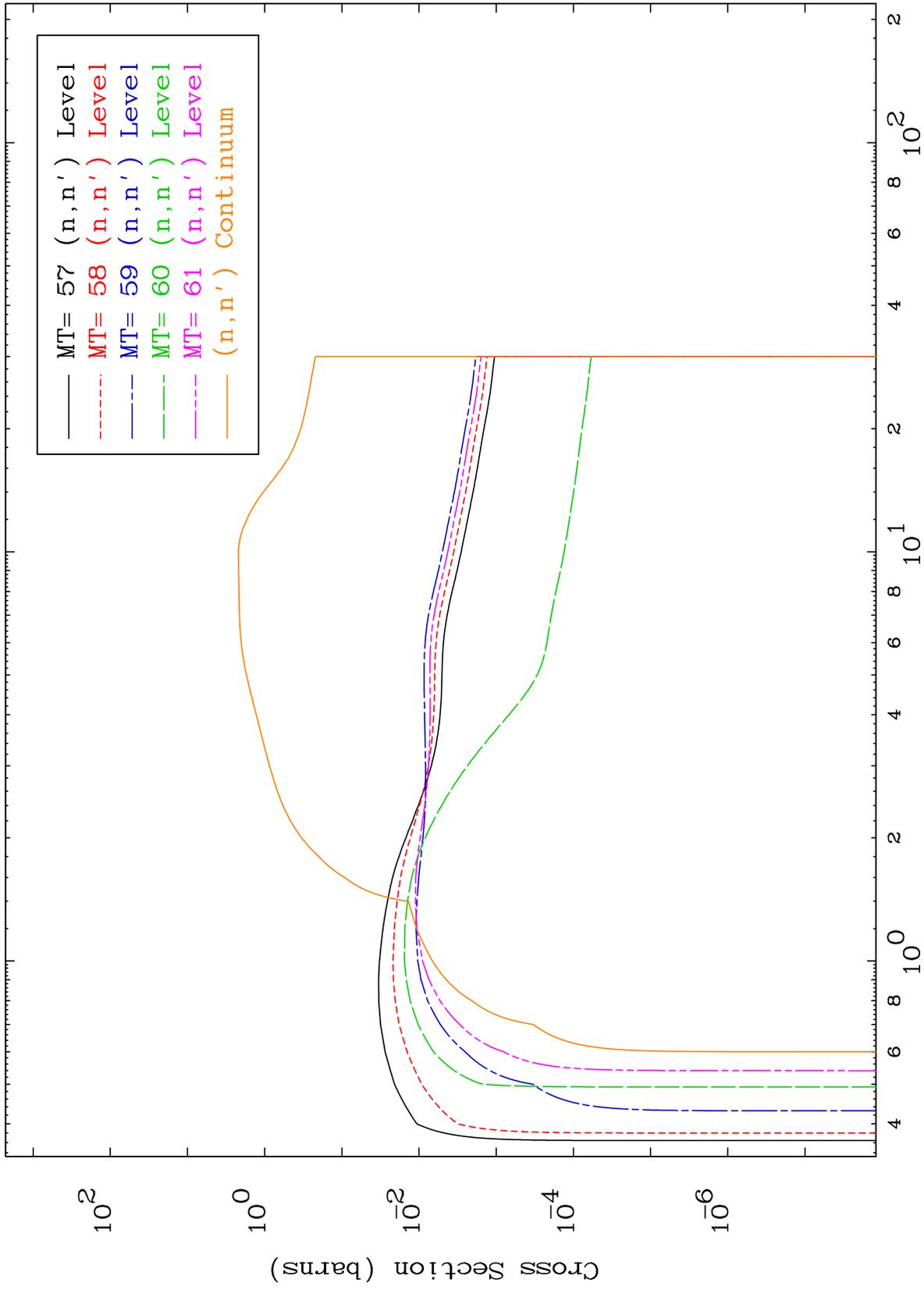
Incident Energy (MeV)

75-Re-175

MAT 7495

(n,n') Level
293 Kelvin Cross Sections

75-Re-175



8

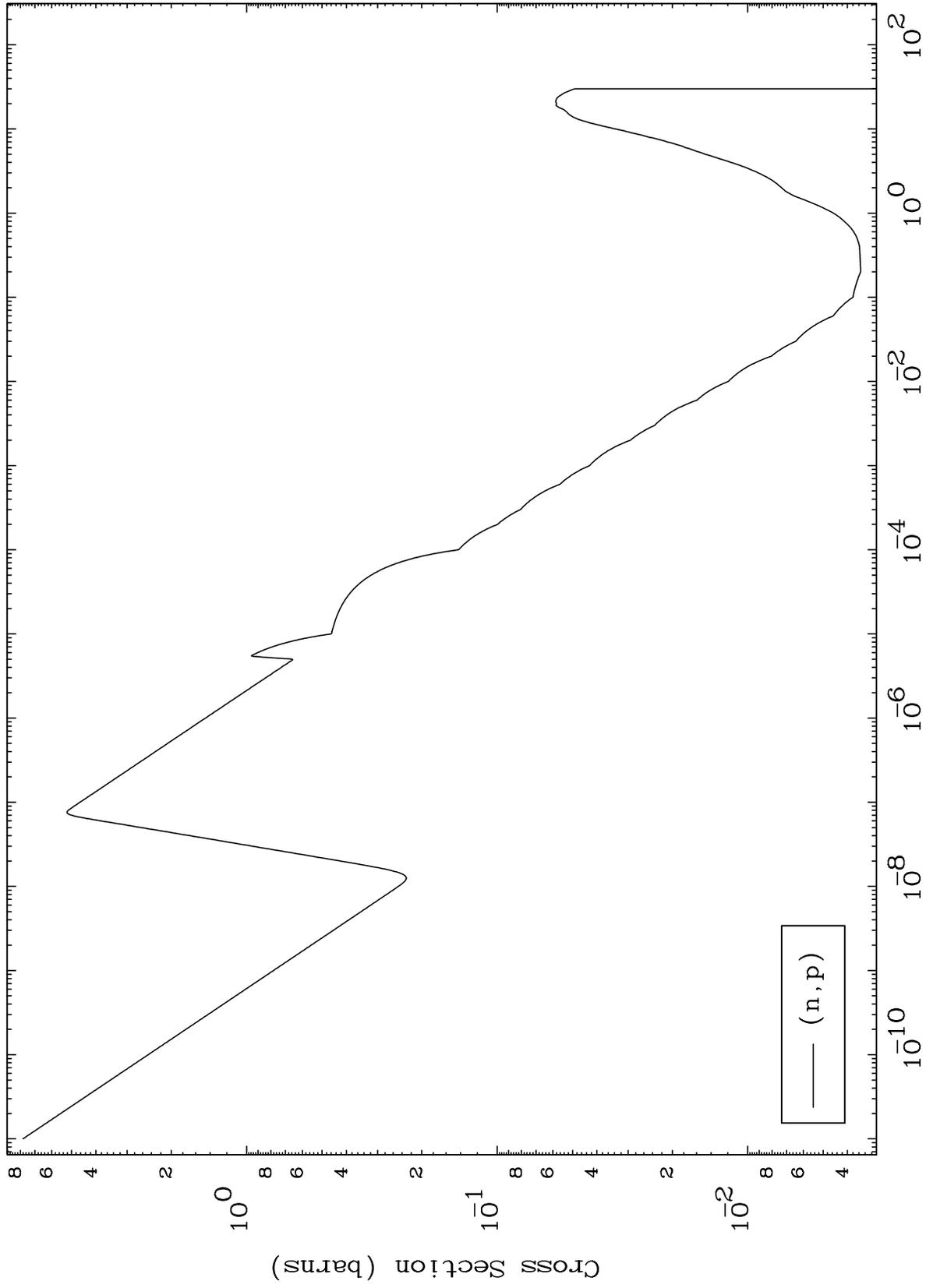
Incident Energy (MeV)

75-Re-175

MAT 7495

(n,p) Levels
293 Kelvin Cross Sections

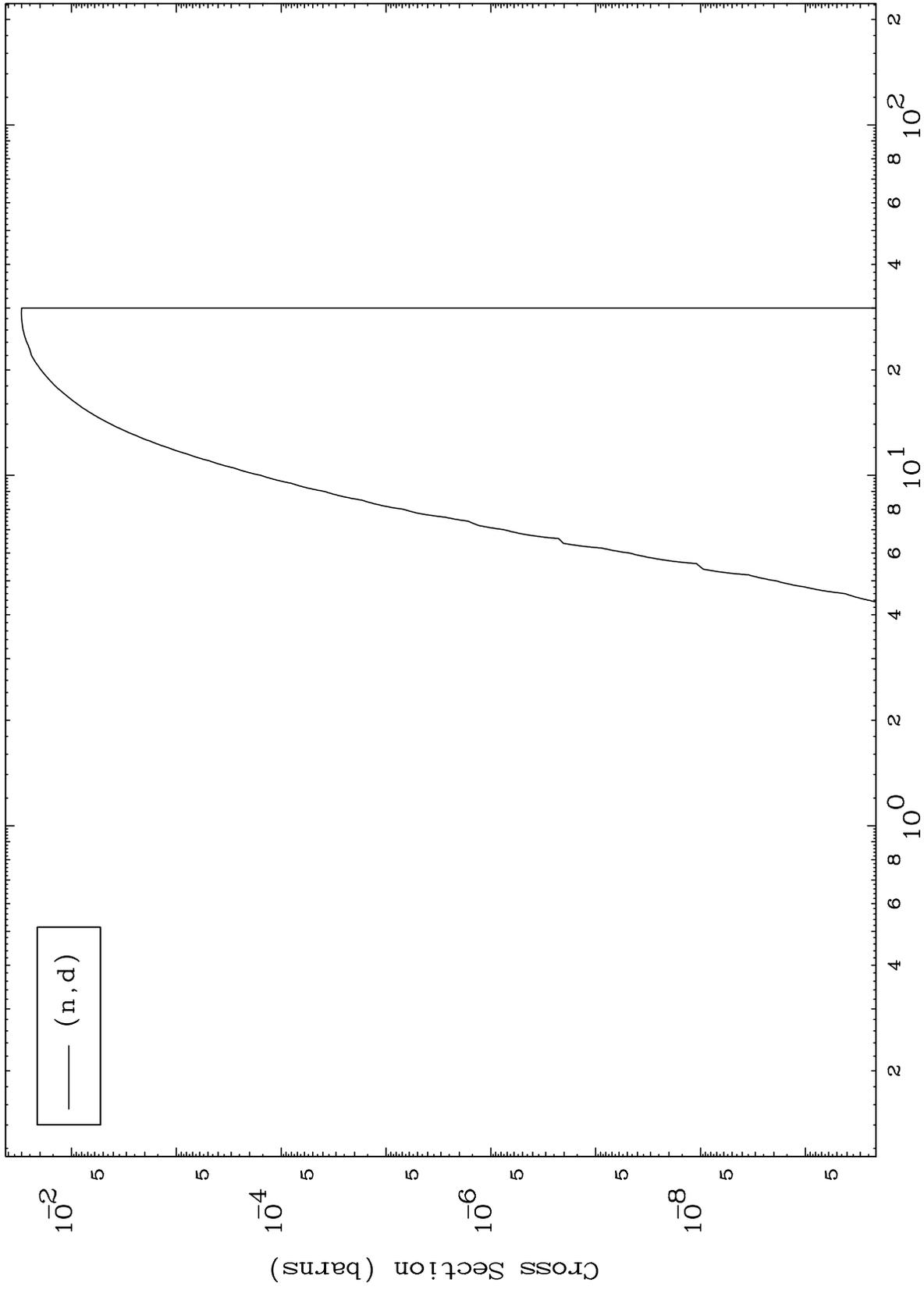
75-Re-175



MAT 7495

(n,d) Levels
293 Kelvin Cross Sections

75-Re-175



10

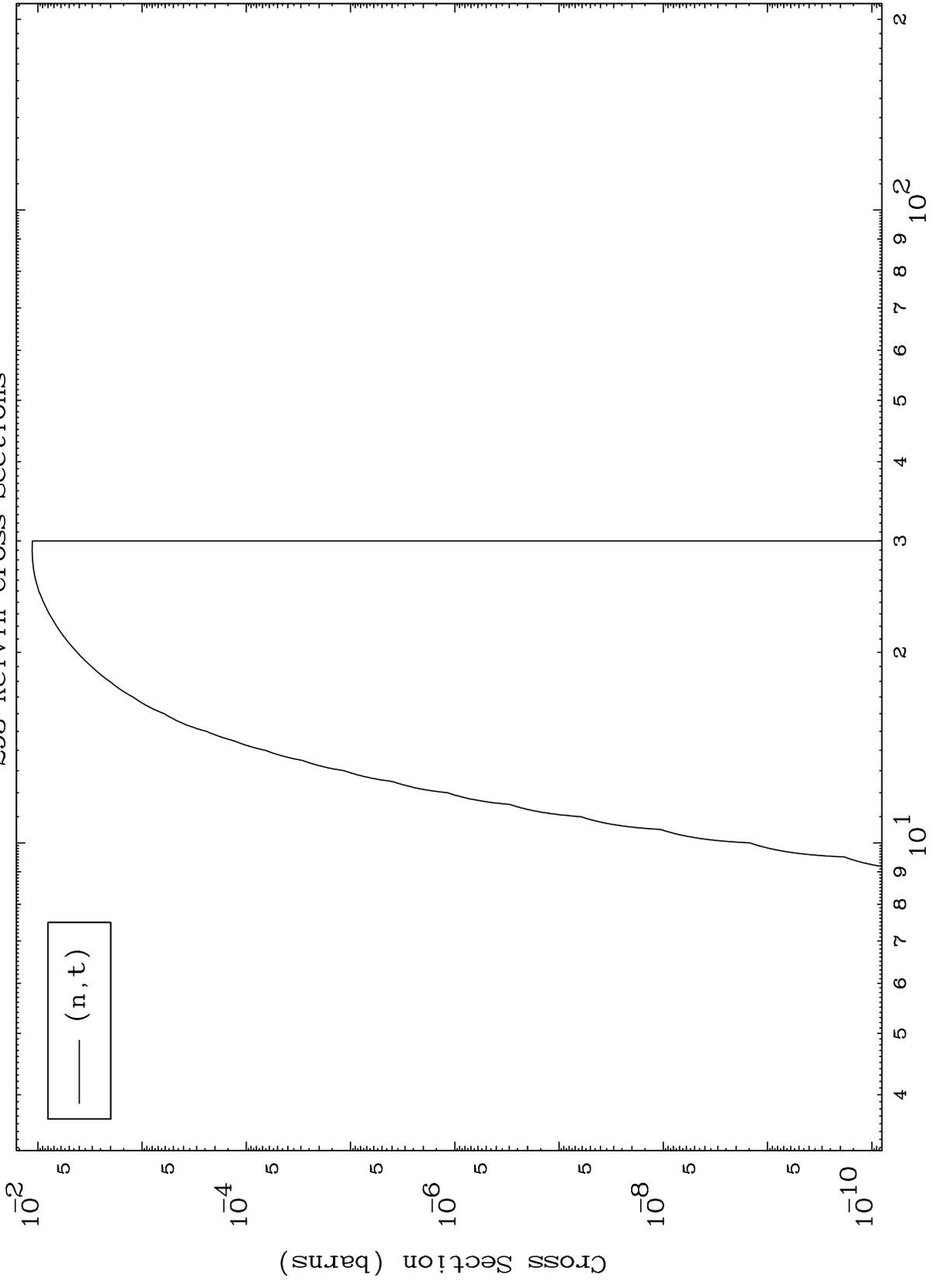
Incident Energy (MeV)

75-Re-175

MAT 7495

(n,t) Levels
293 Kelvin Cross Sections

75-Re-175



11

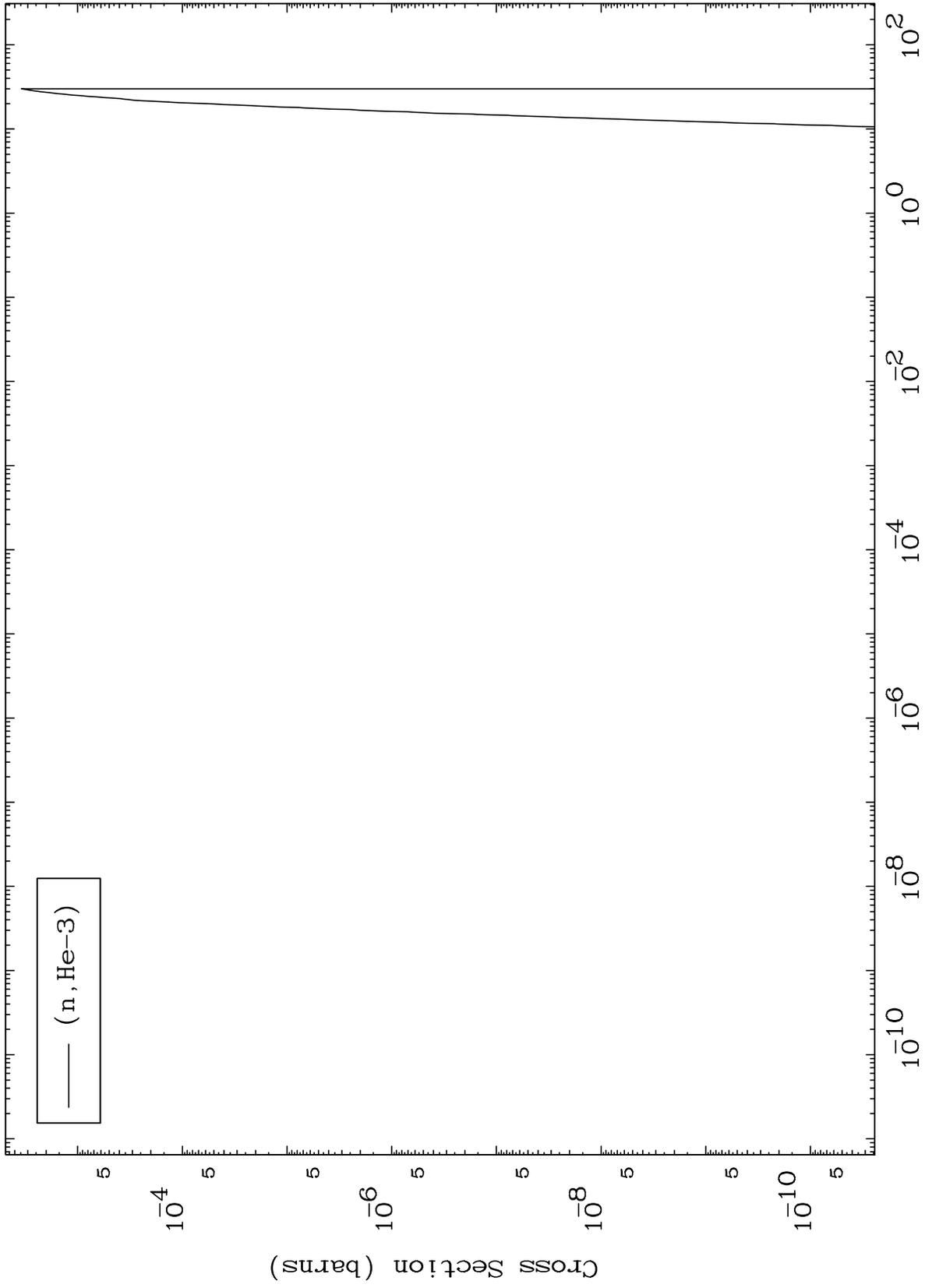
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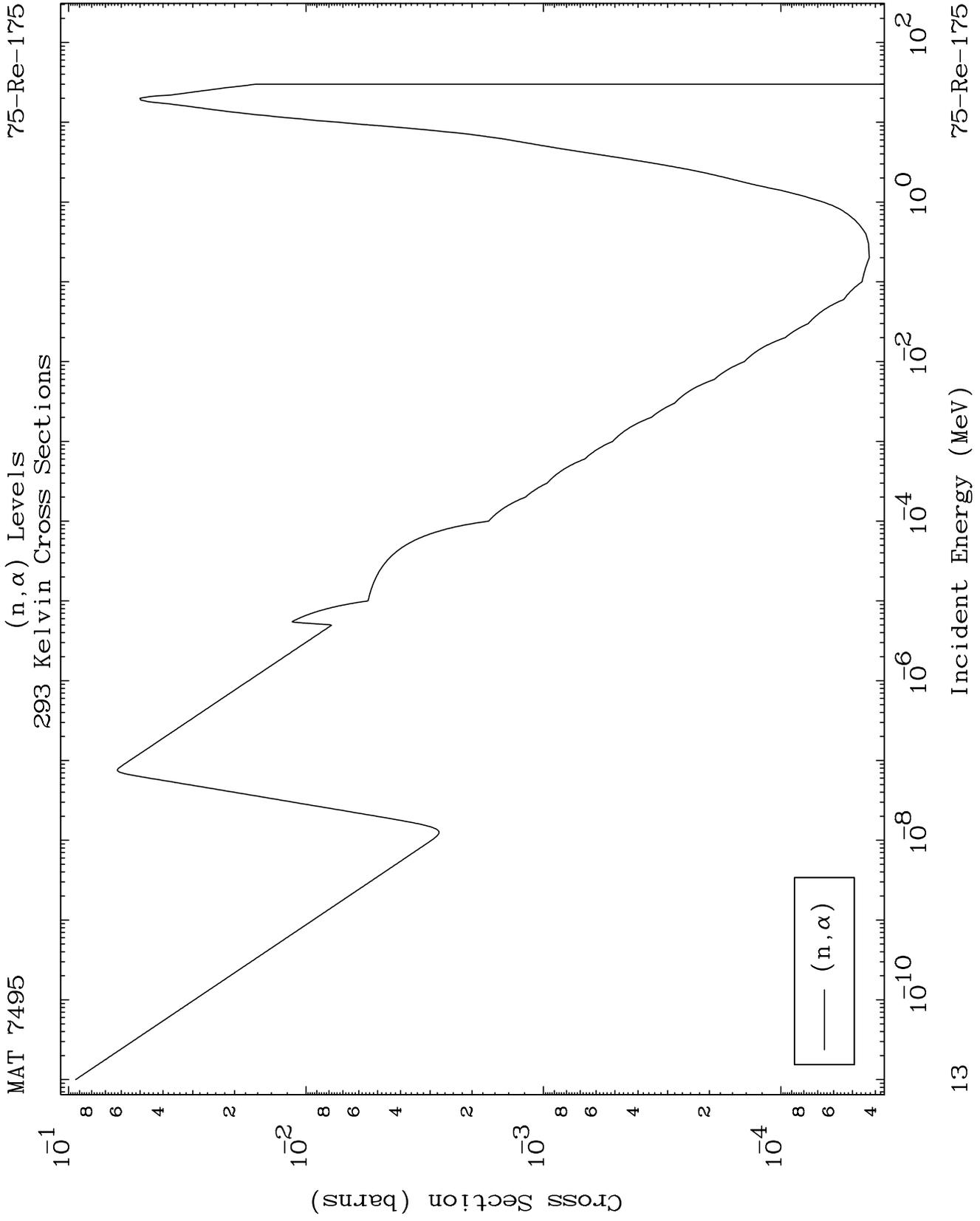
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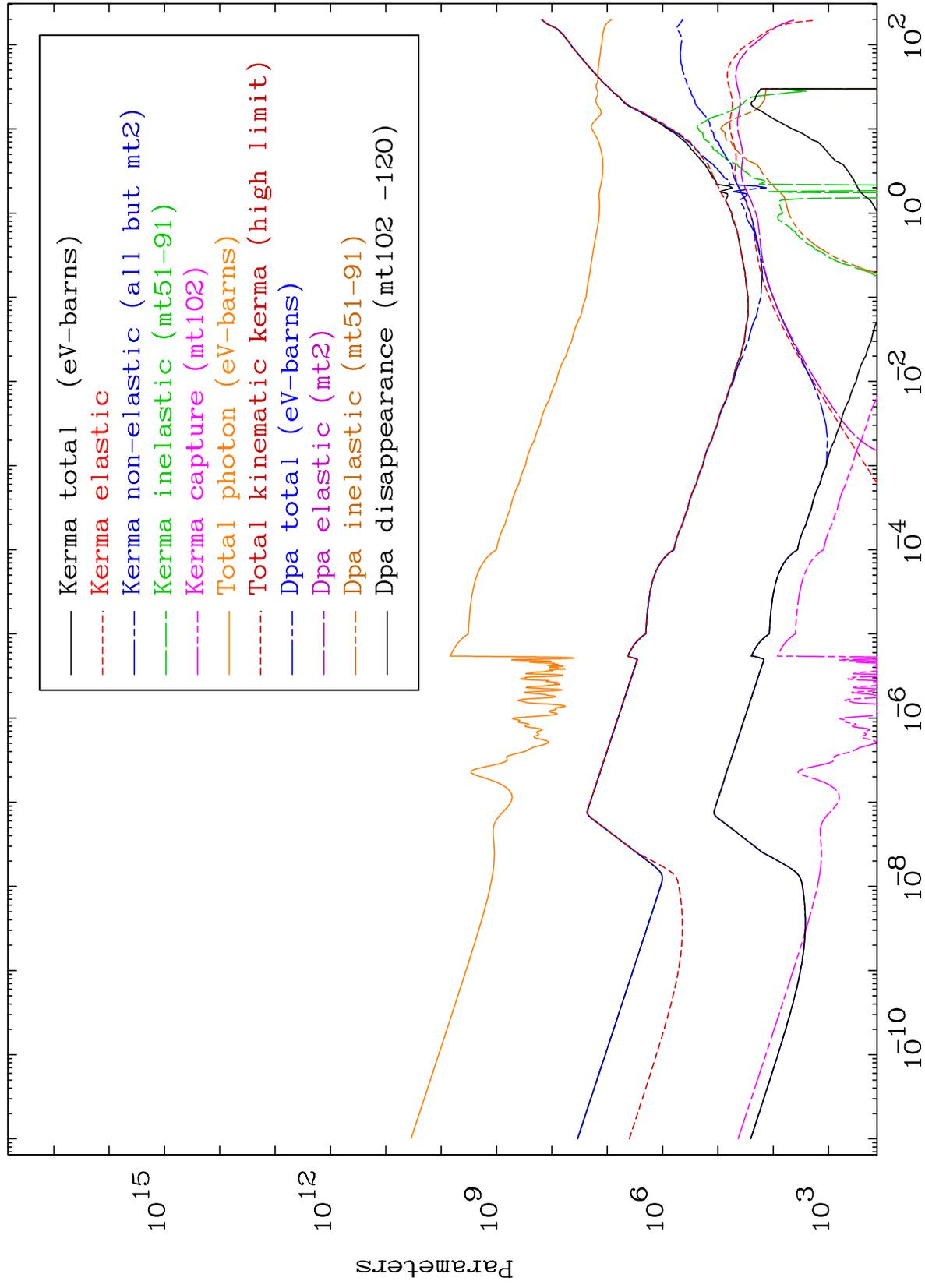
MAT 7495

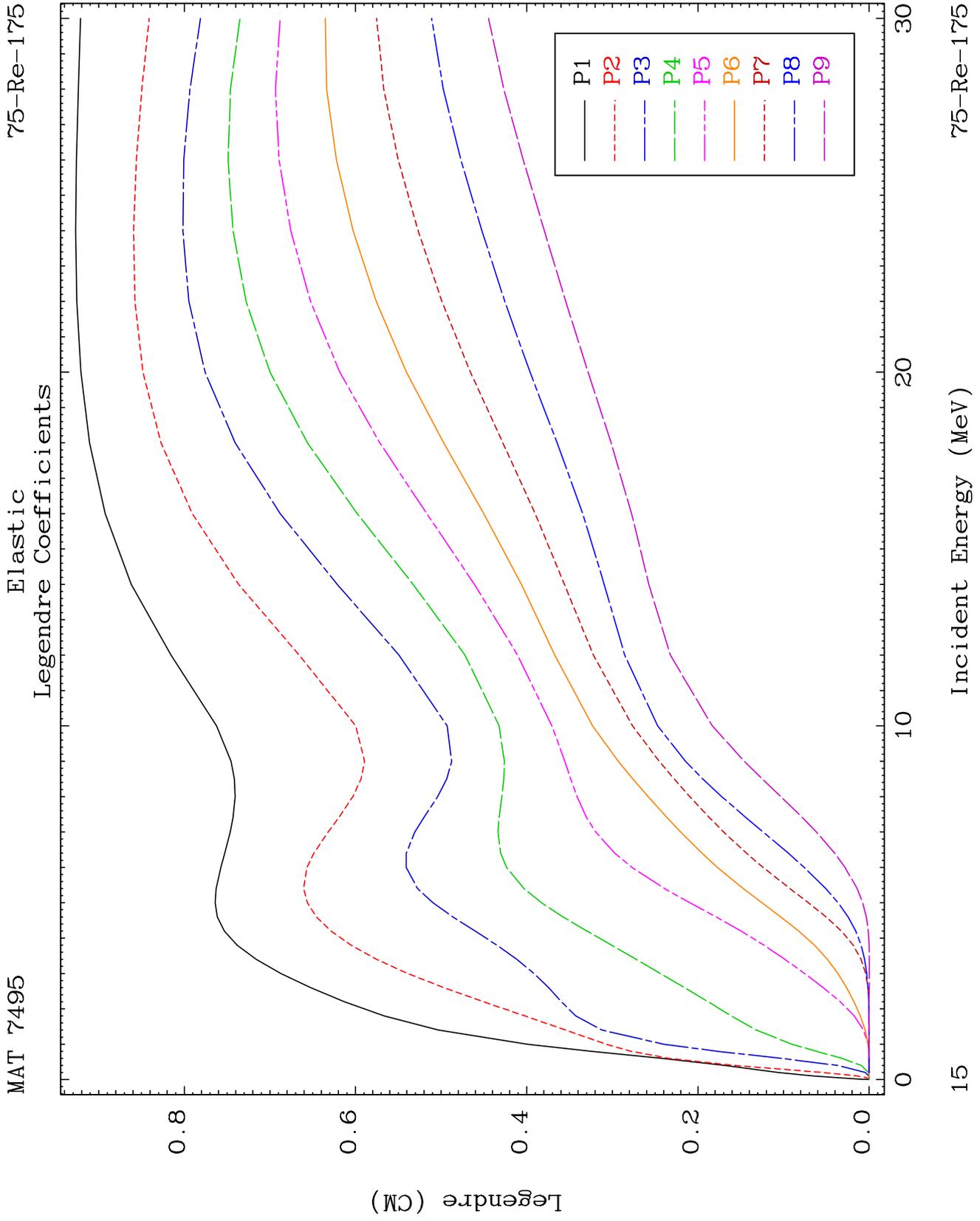
(n,He3) Levels
293 Kelvin Cross Sections

75-Re-175





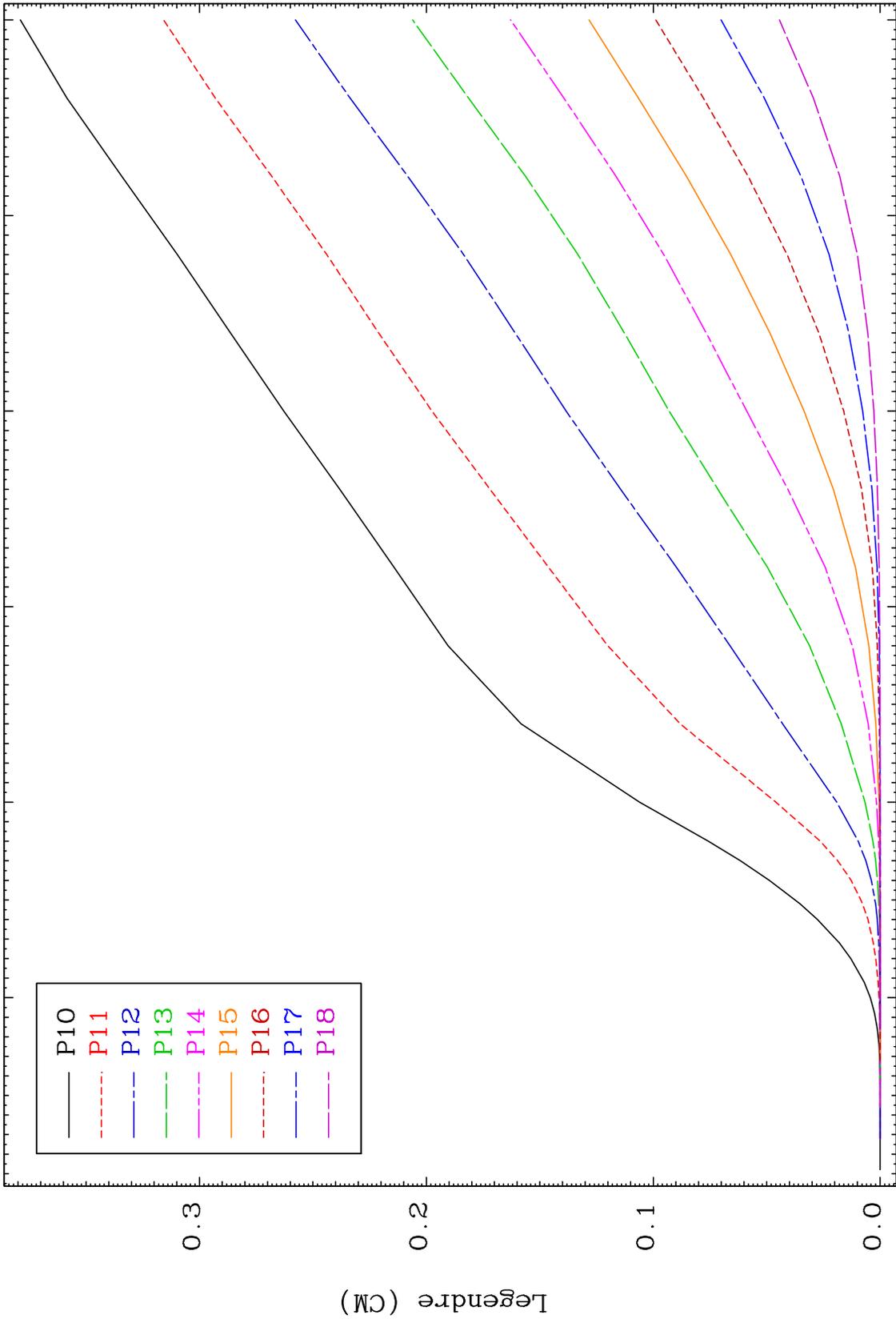




MAT 7495

Elastic Legendre Coefficients

75-Re-175



16

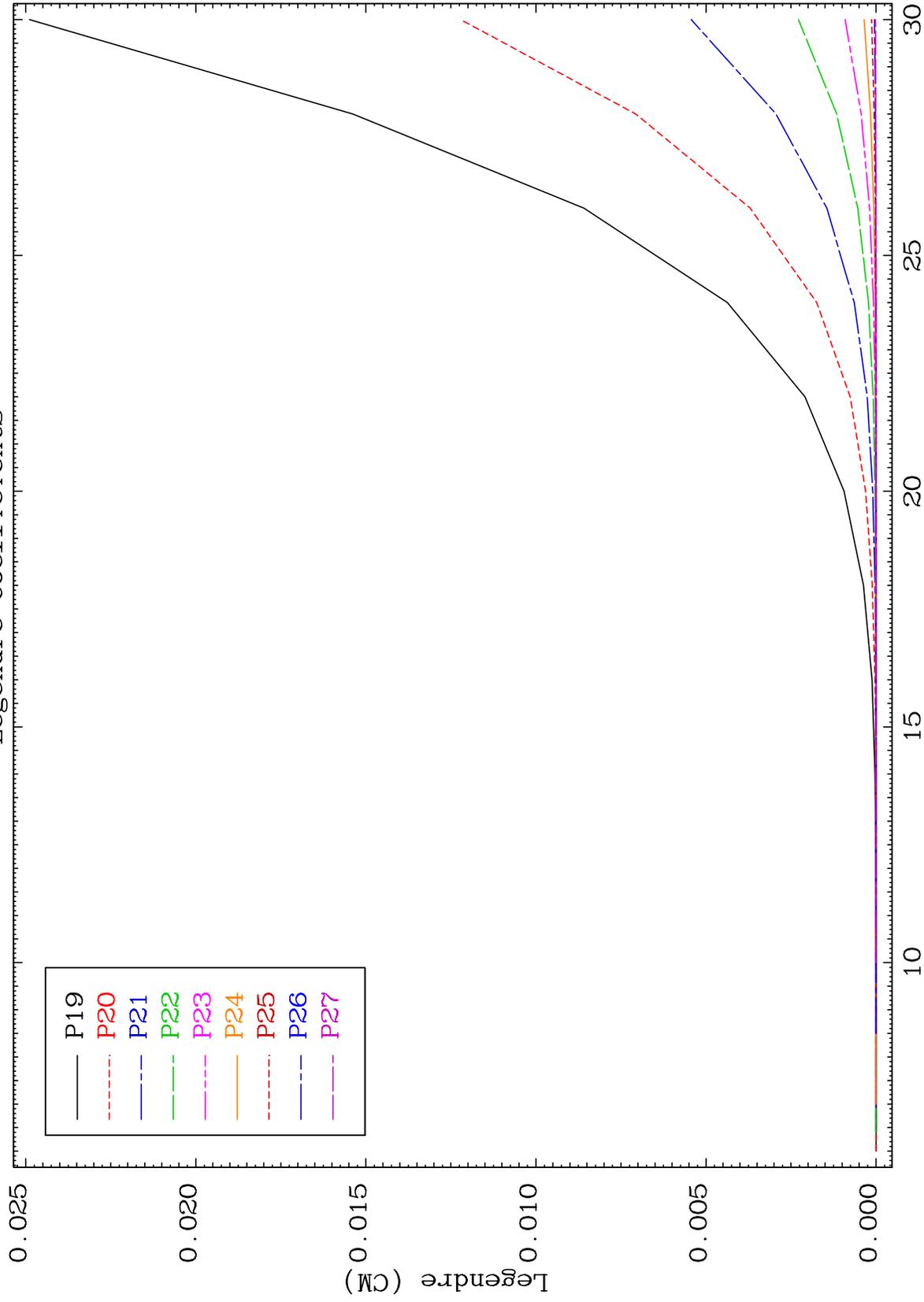
Incident Energy (MeV)

75-Re-175

MAT 7495

Elastic Legendre Coefficients

75-Re-175



17

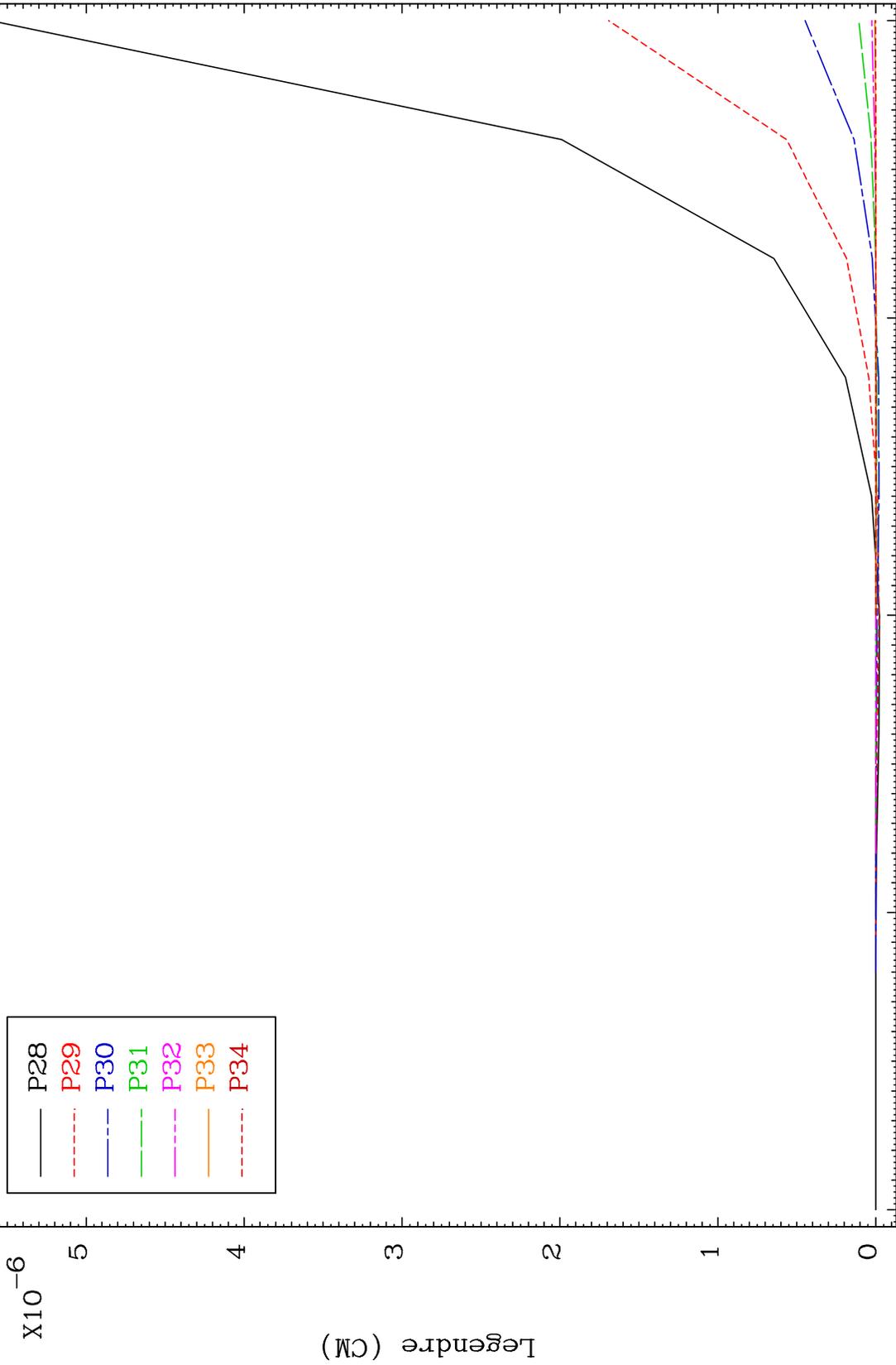
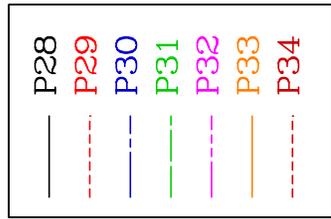
Incident Energy (MeV)

75-Re-175

MAT 7495

Elastic Legendre Coefficients

75-Re-175



10

15

20

25

30

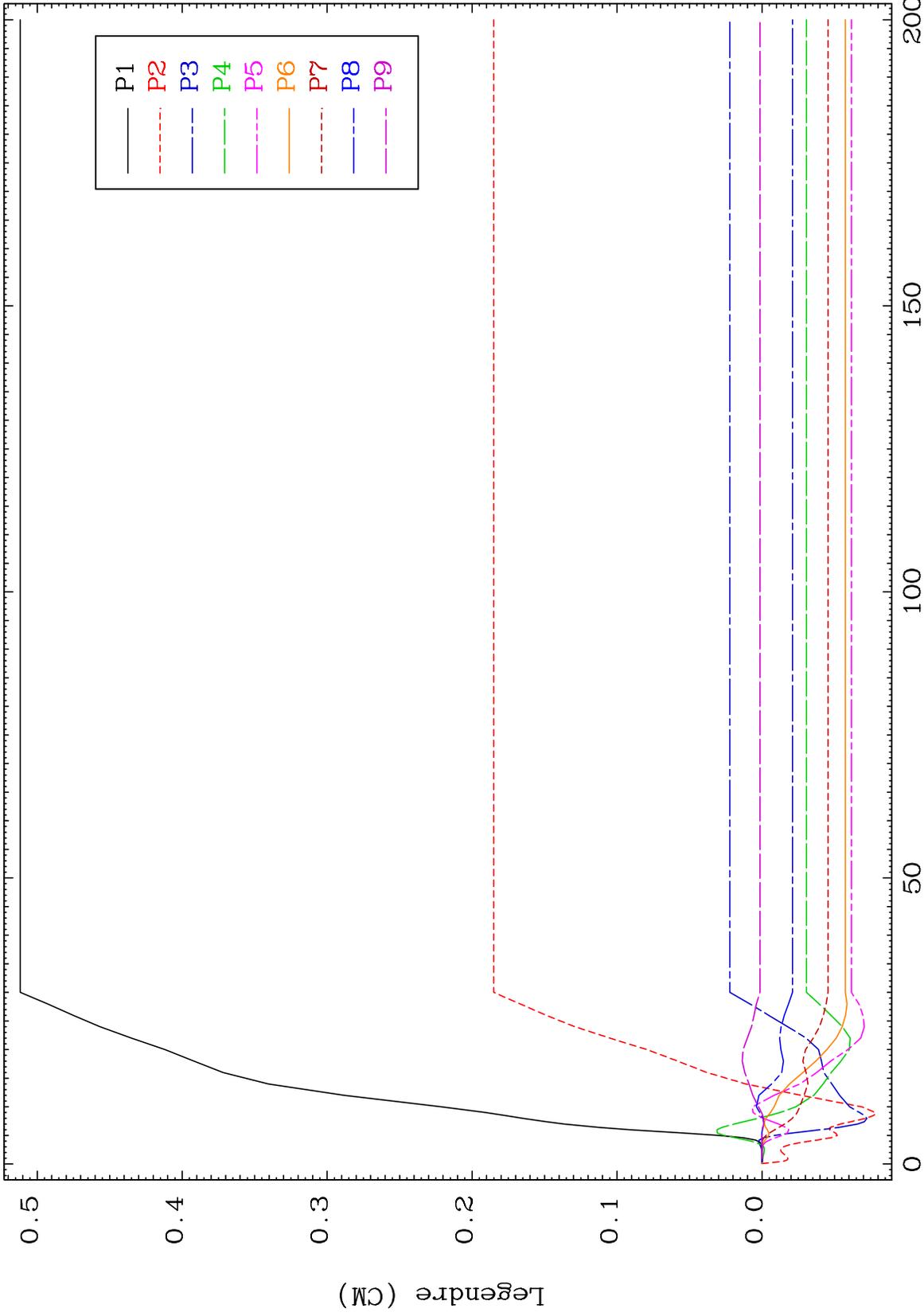
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



19

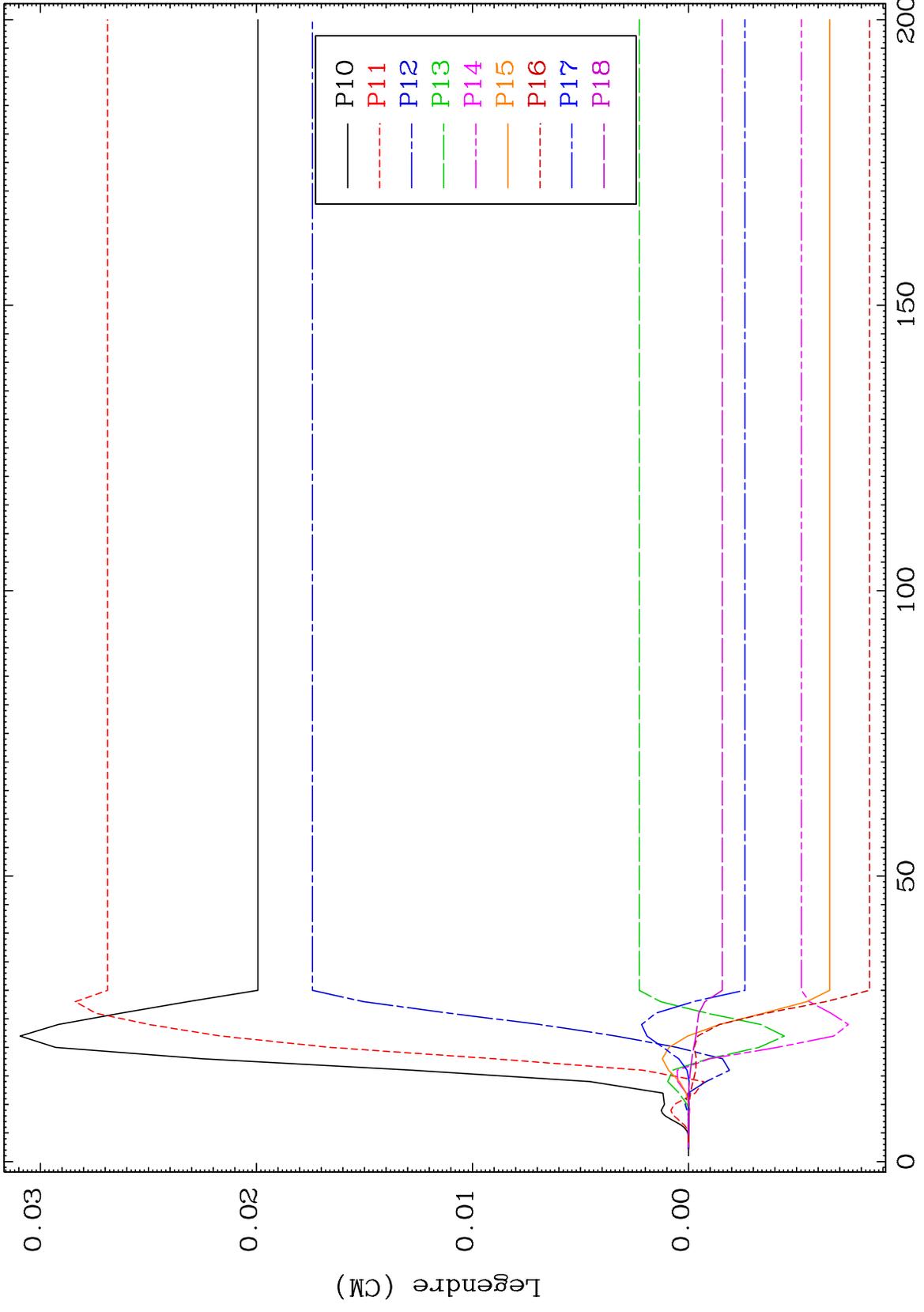
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



0

50

100

150

200

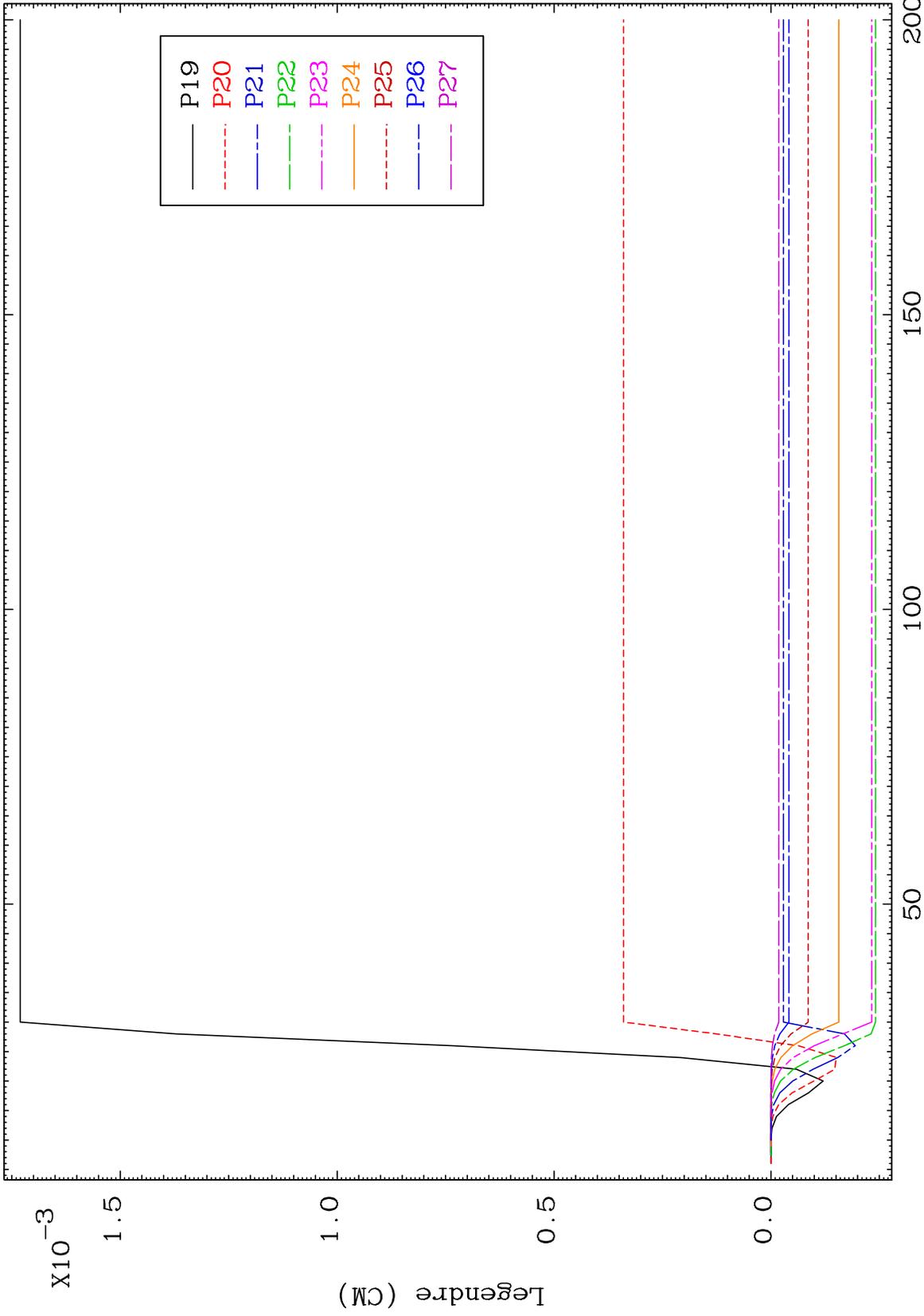
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175

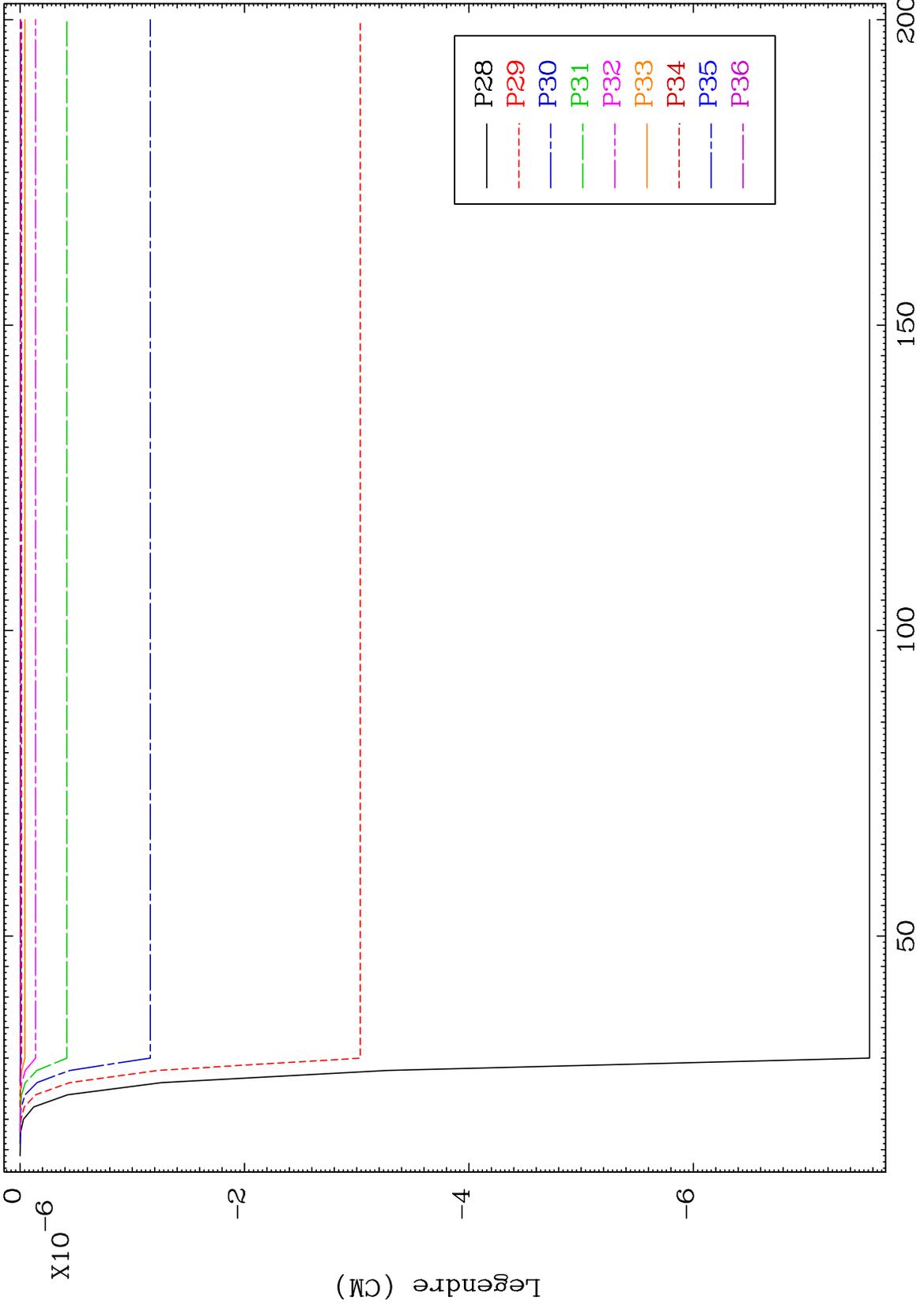


21

75-Re-175

MAT 7495 MT= 51 (n,n') Level 75-Re-175

Legendre Coefficients

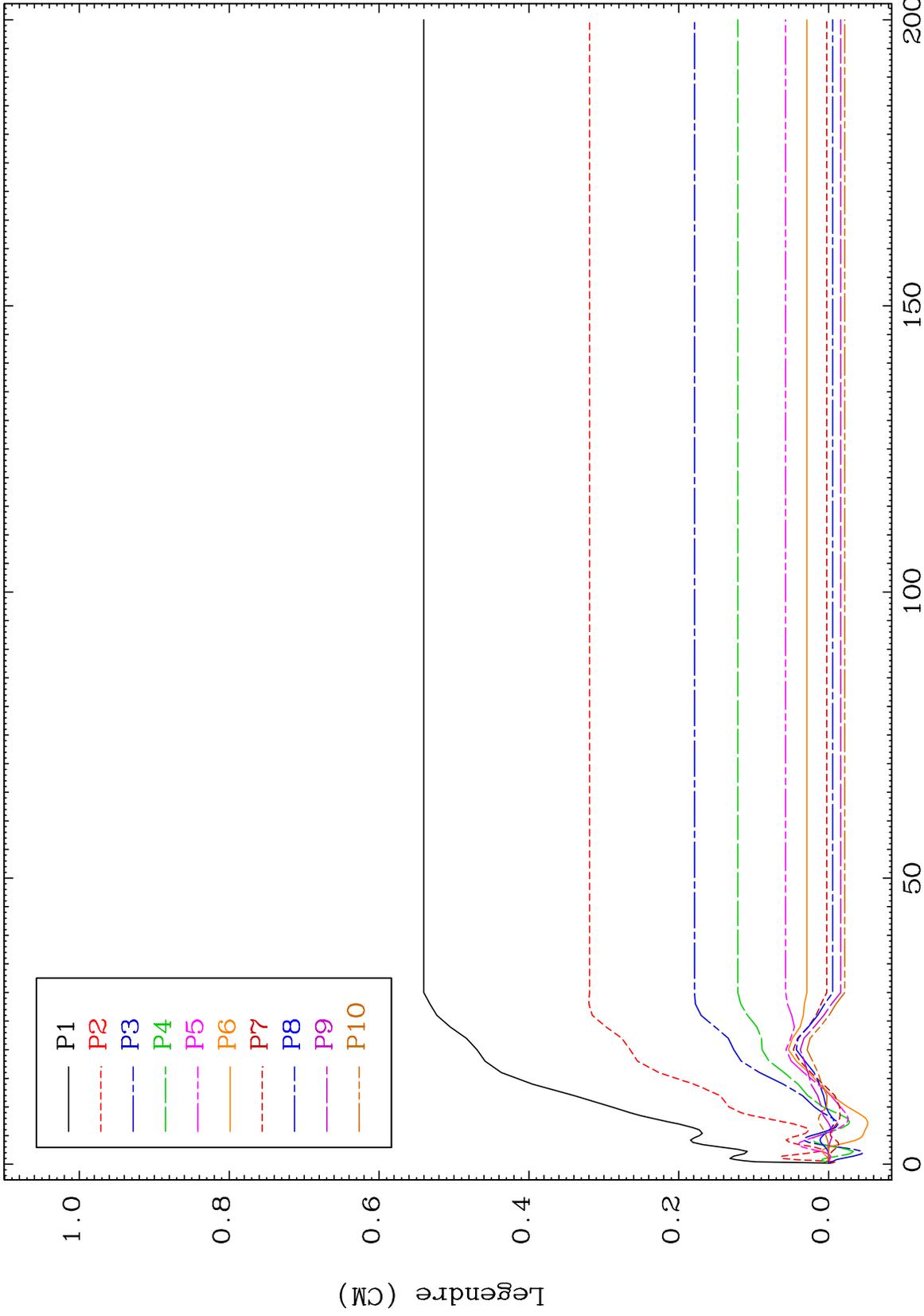


22 Incident Energy (MeV) 75-Re-175

MAT 7495

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

75-Re-175



23

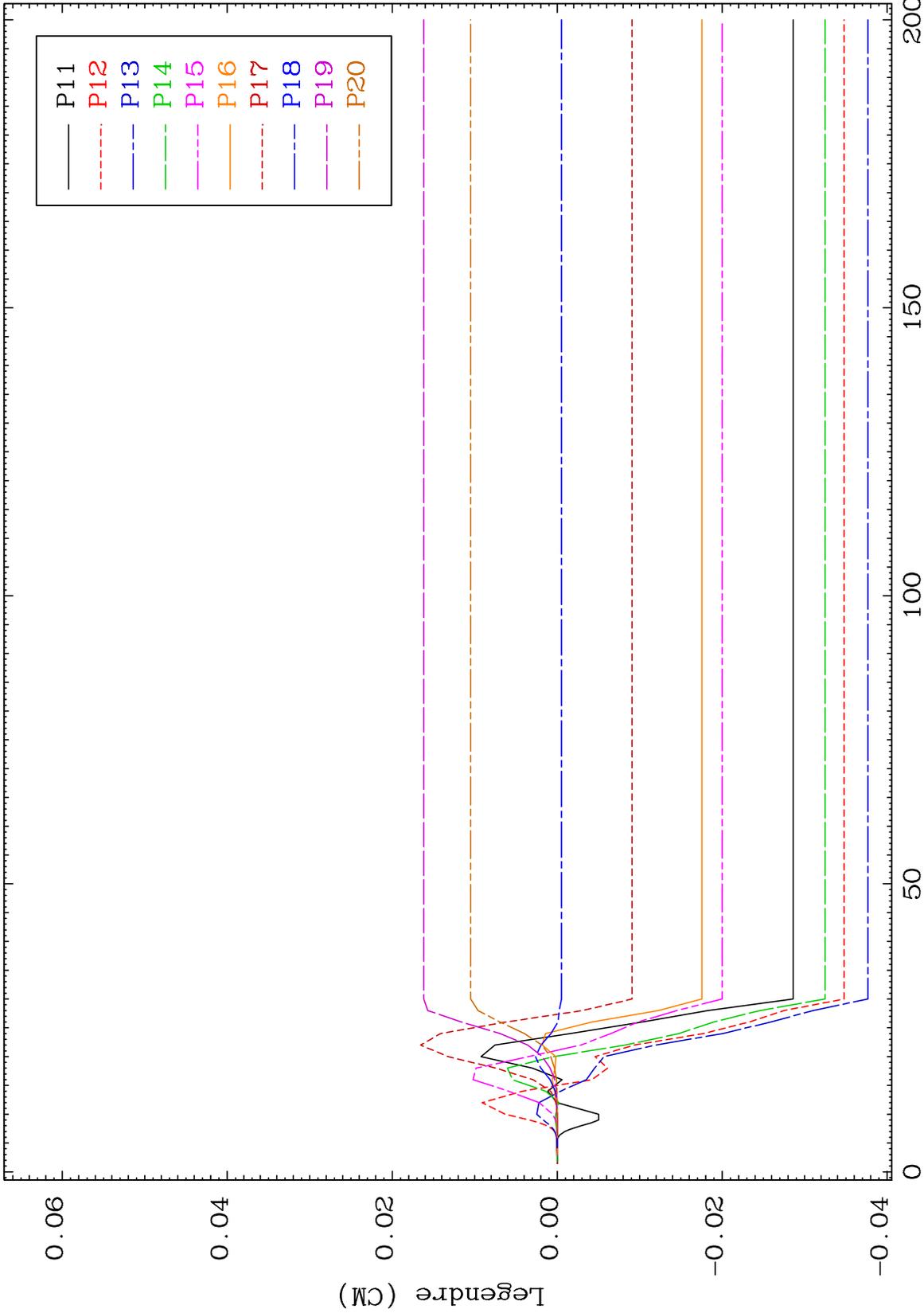
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



24

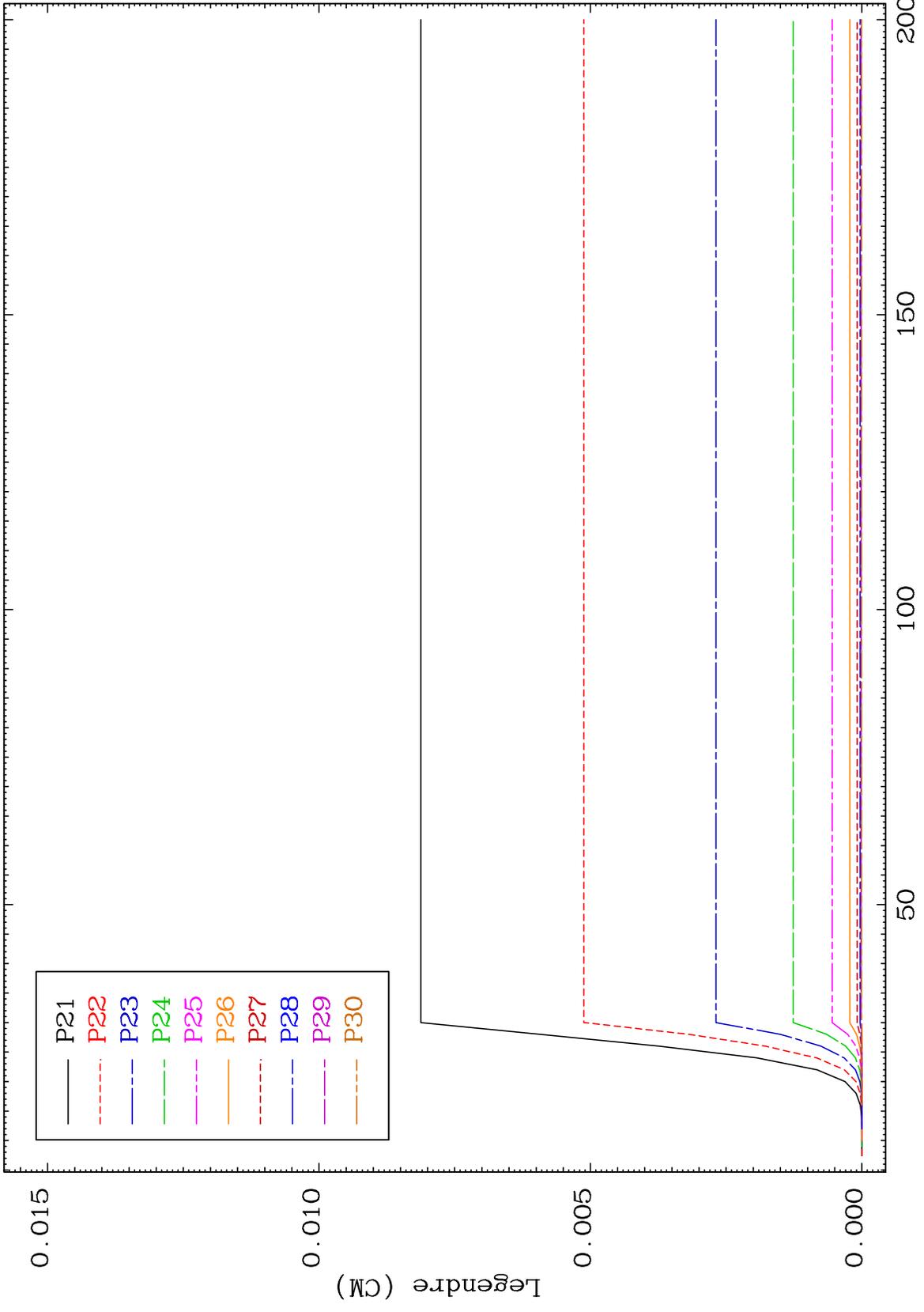
Incident Energy (MeV)

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MAT 7495

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

75-Re-175



25

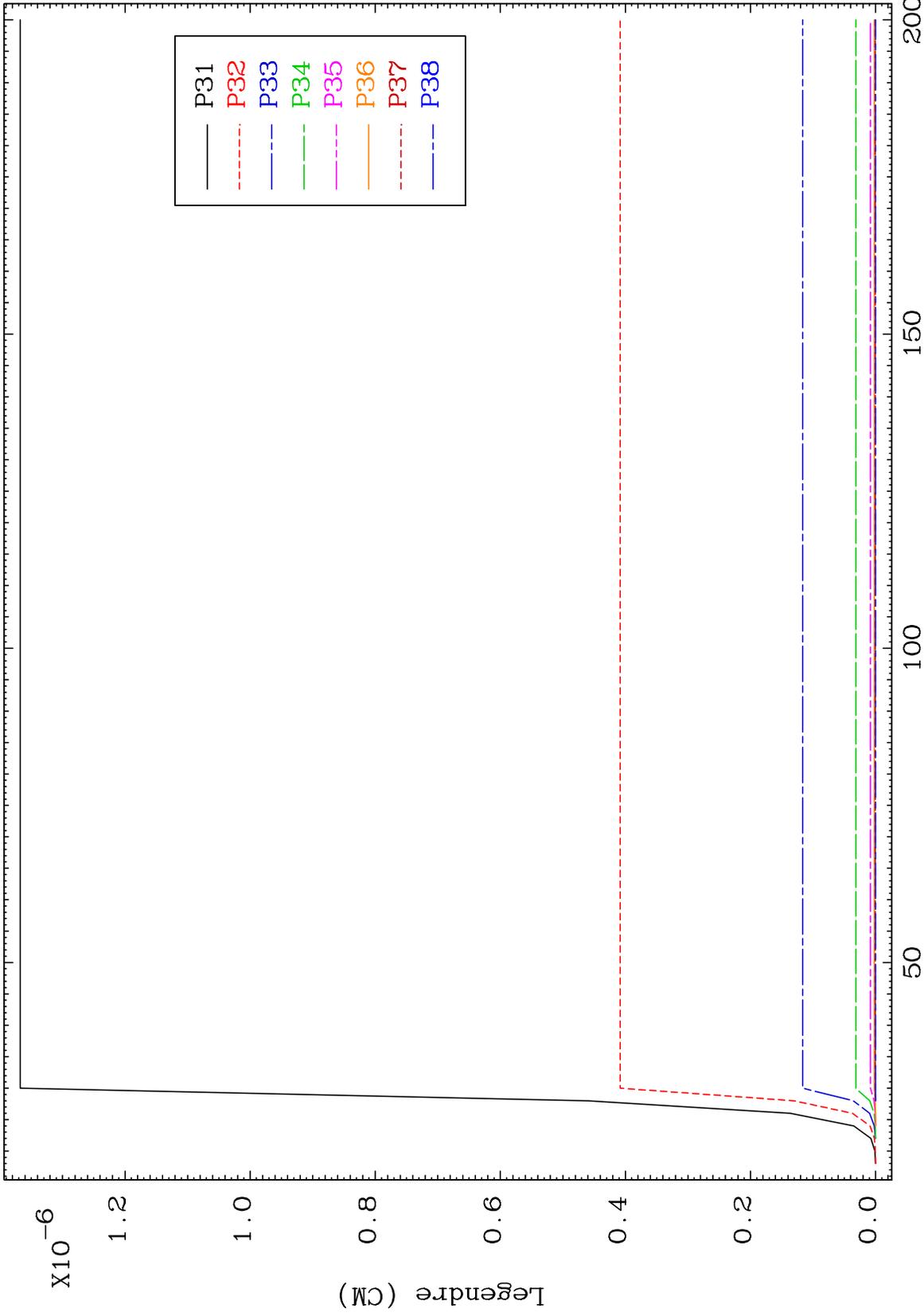
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



26

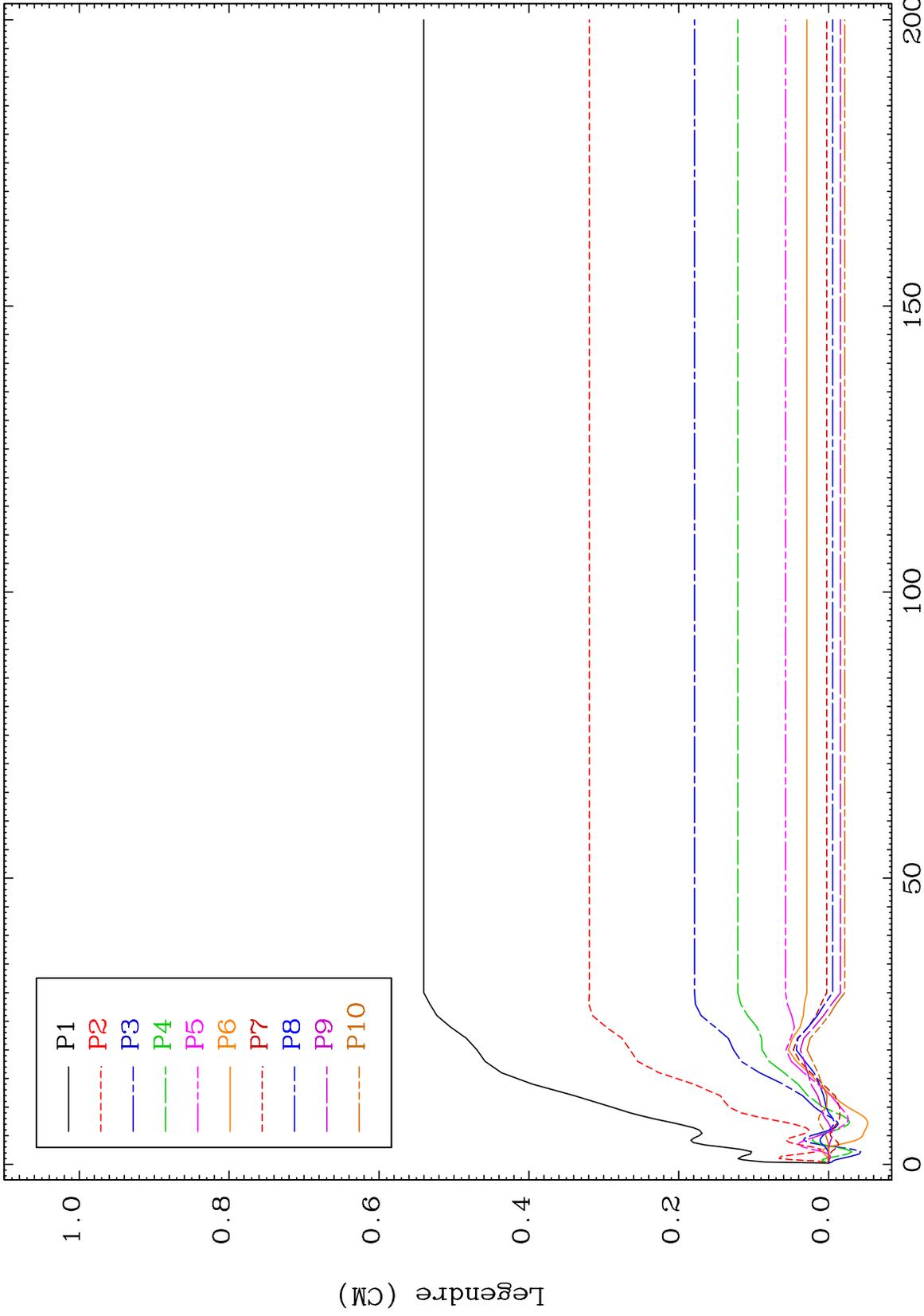
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



27

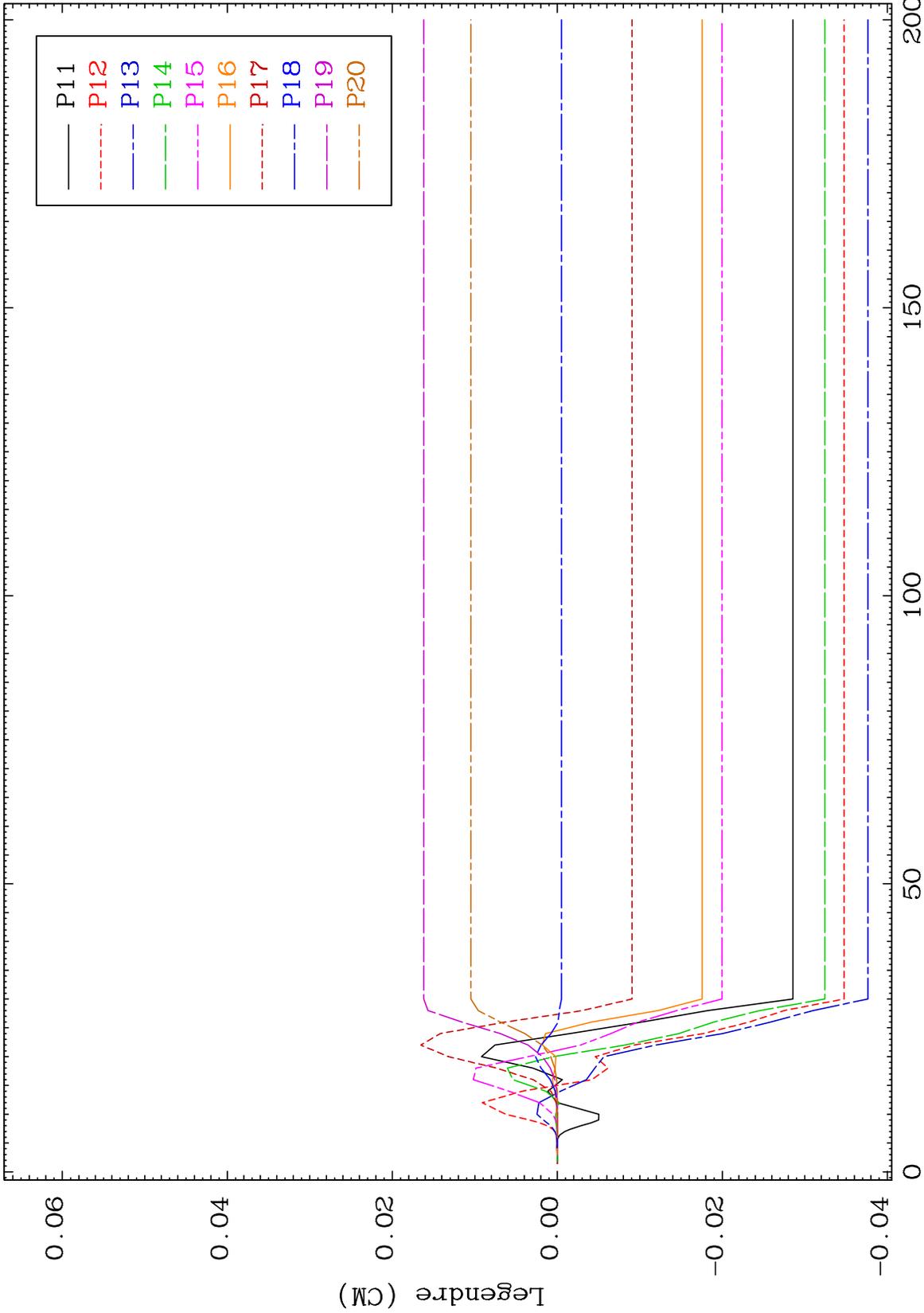
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



28

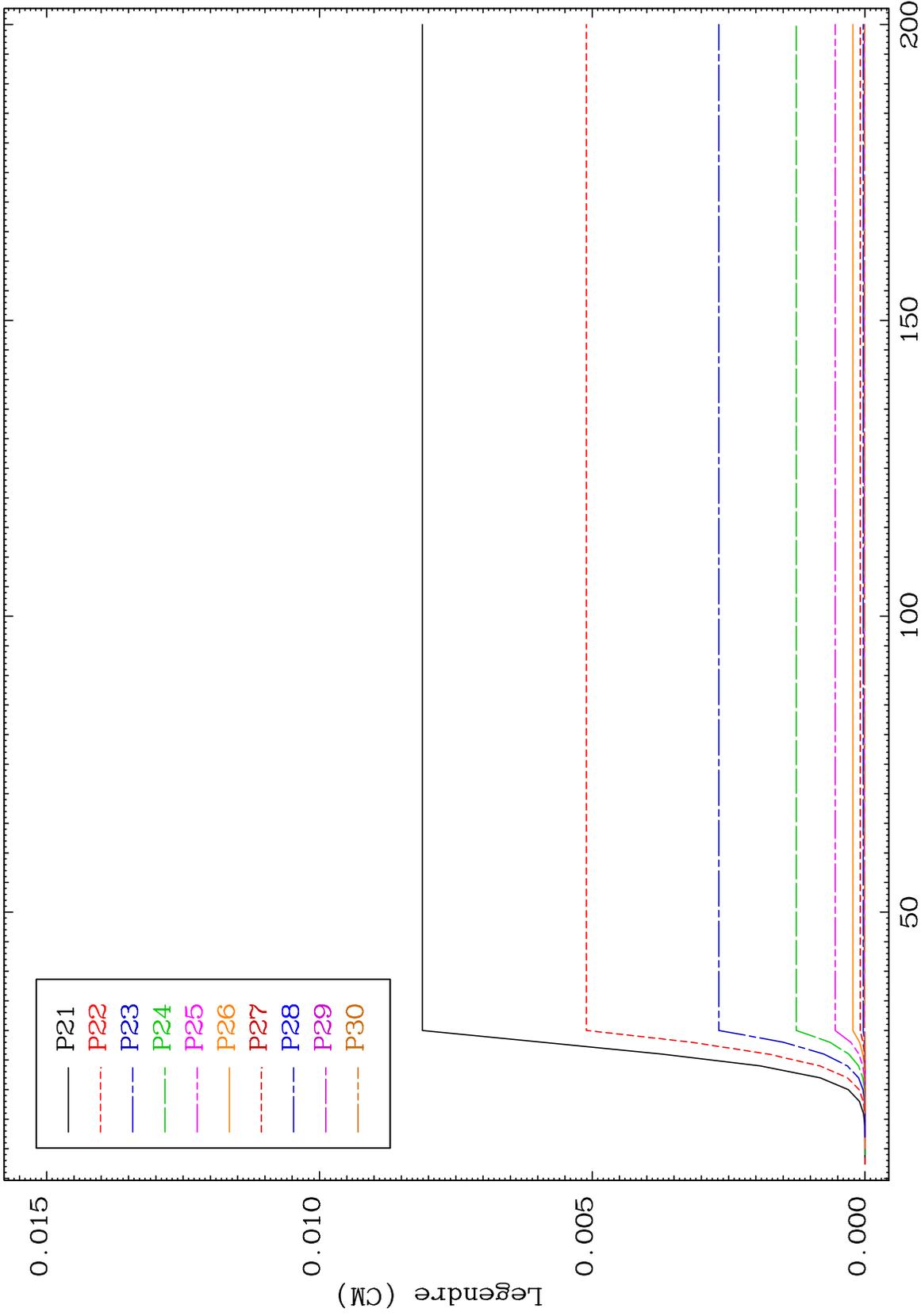
Incident Energy (MeV)

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MAT 7495

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

75-Re-175



29

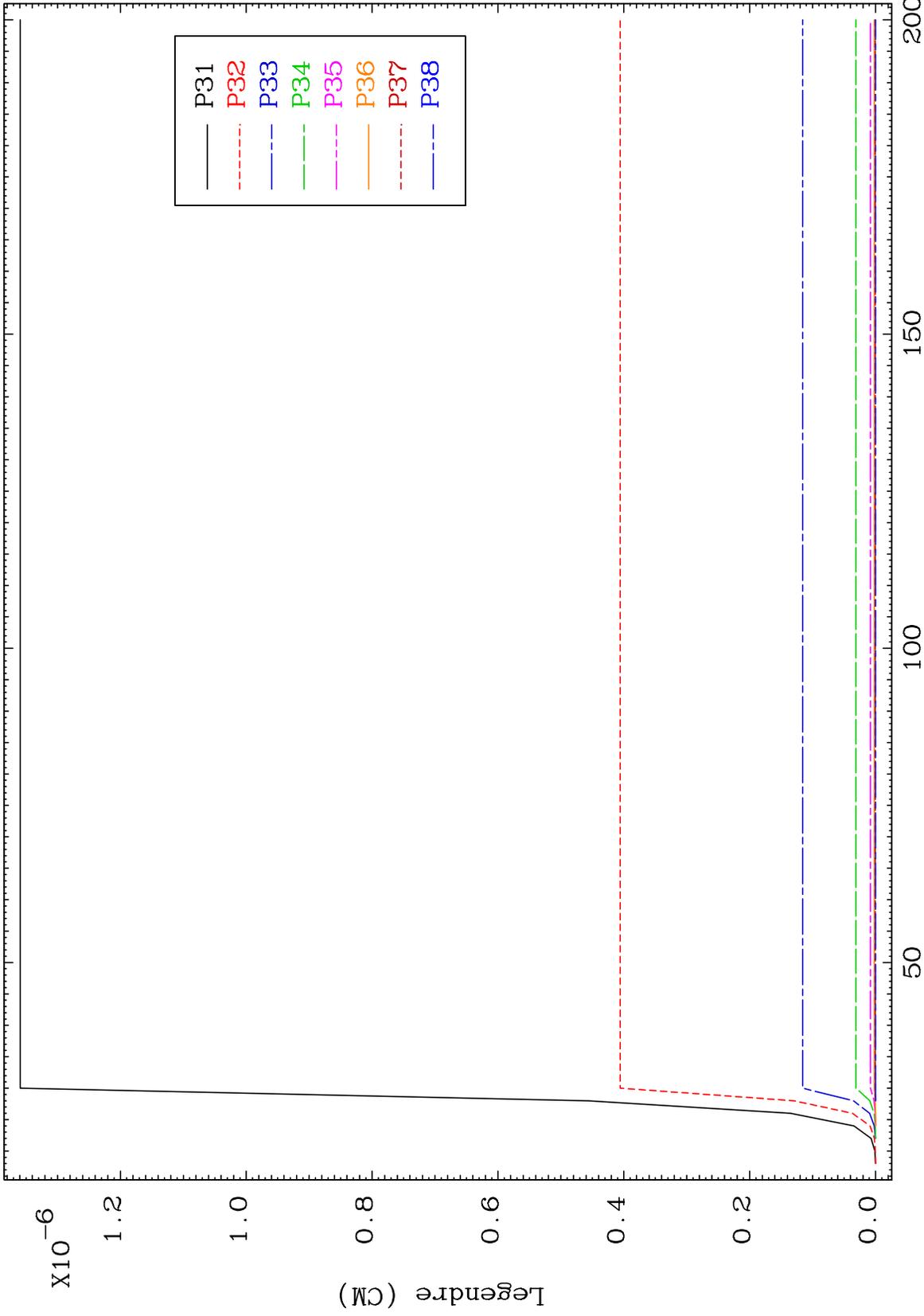
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



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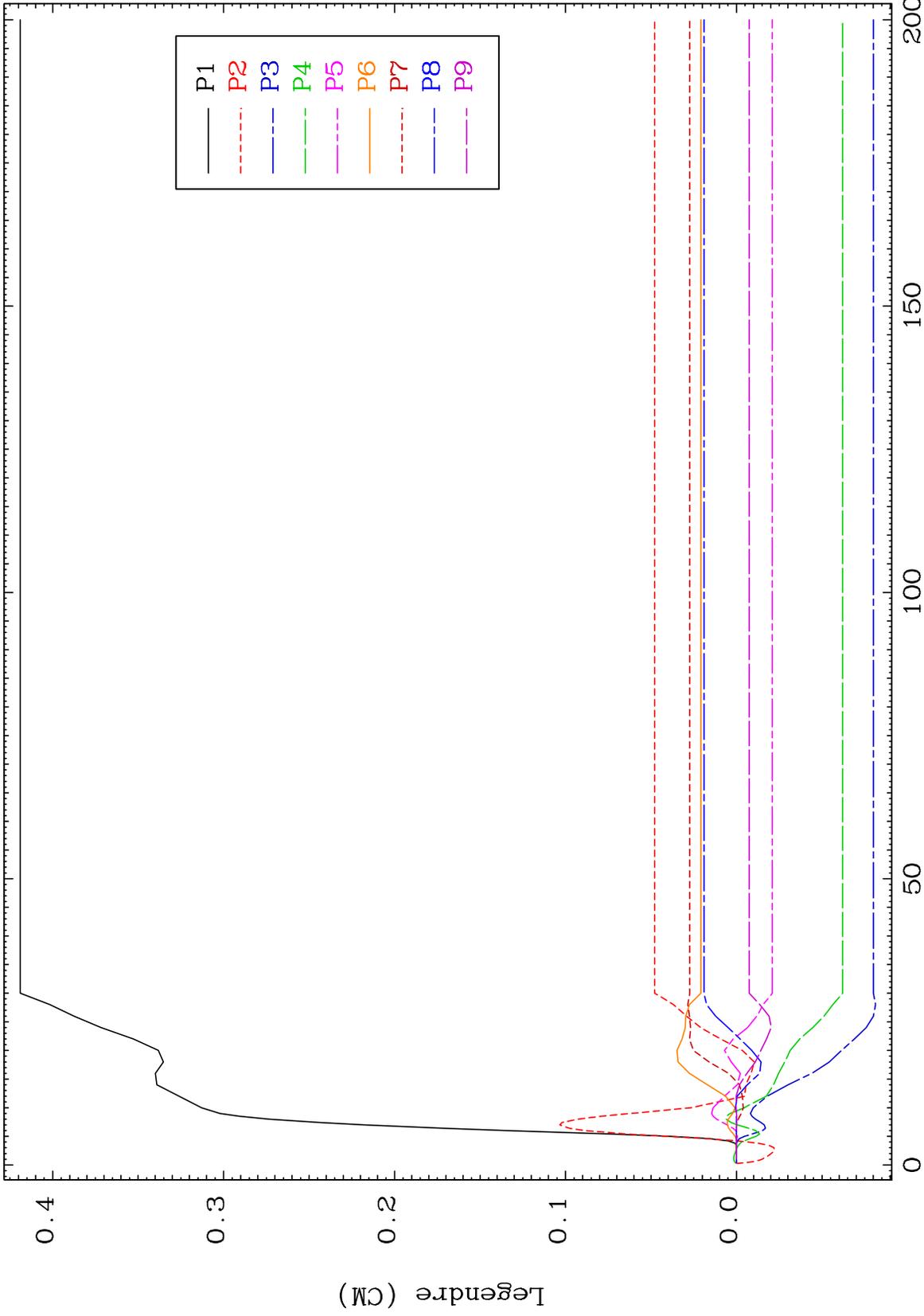
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



31

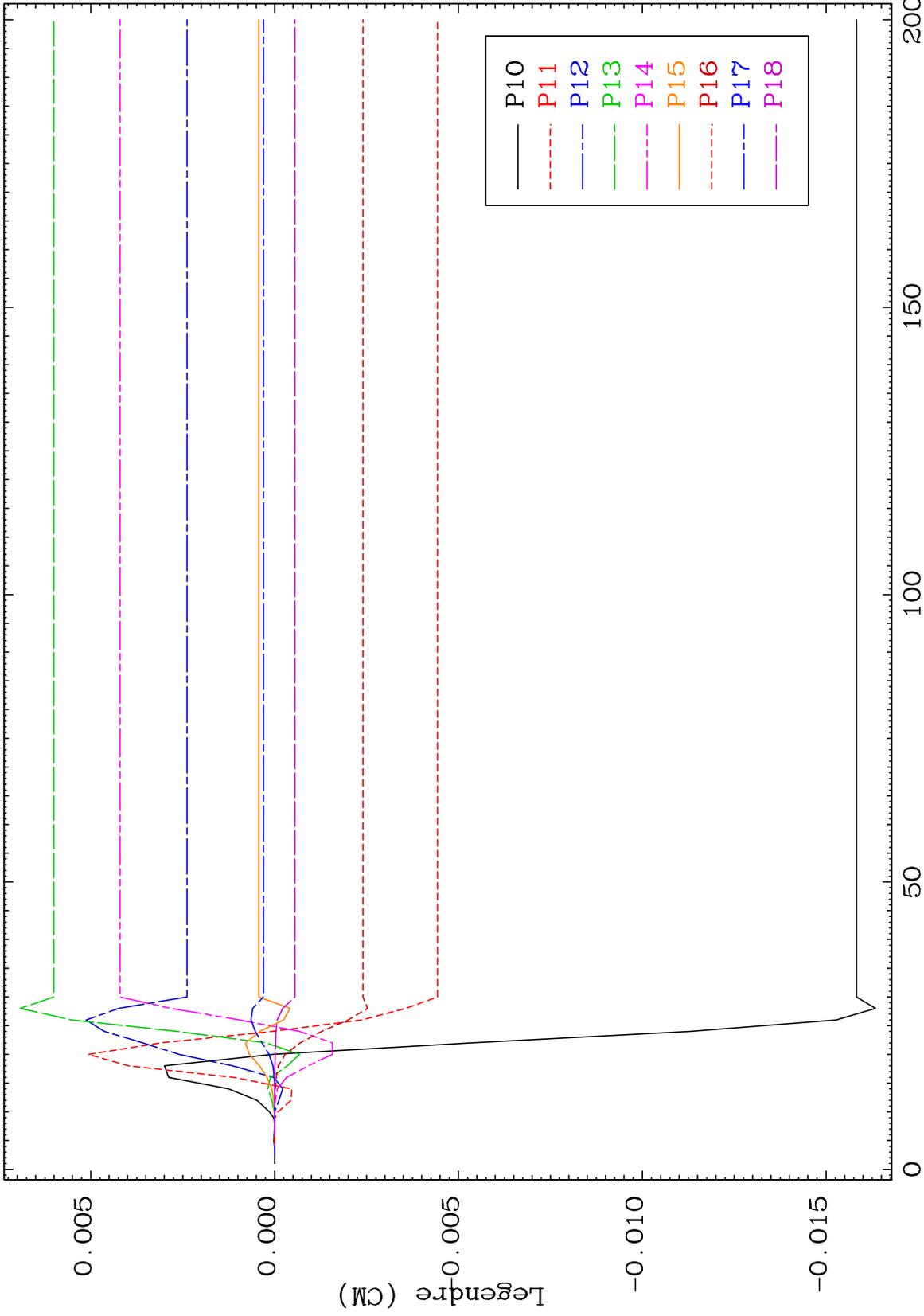
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MAT 7495

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

75-Re-175



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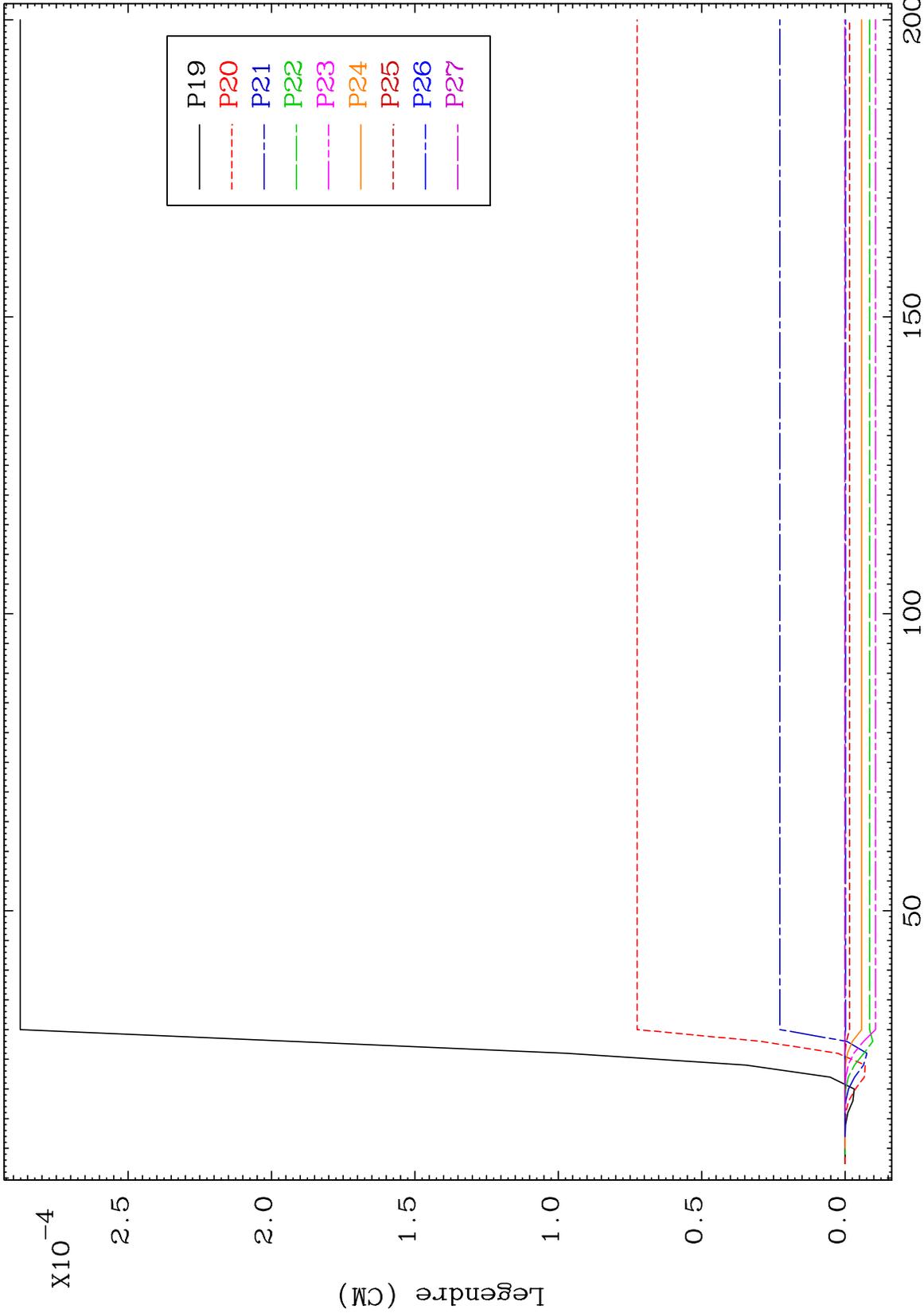
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



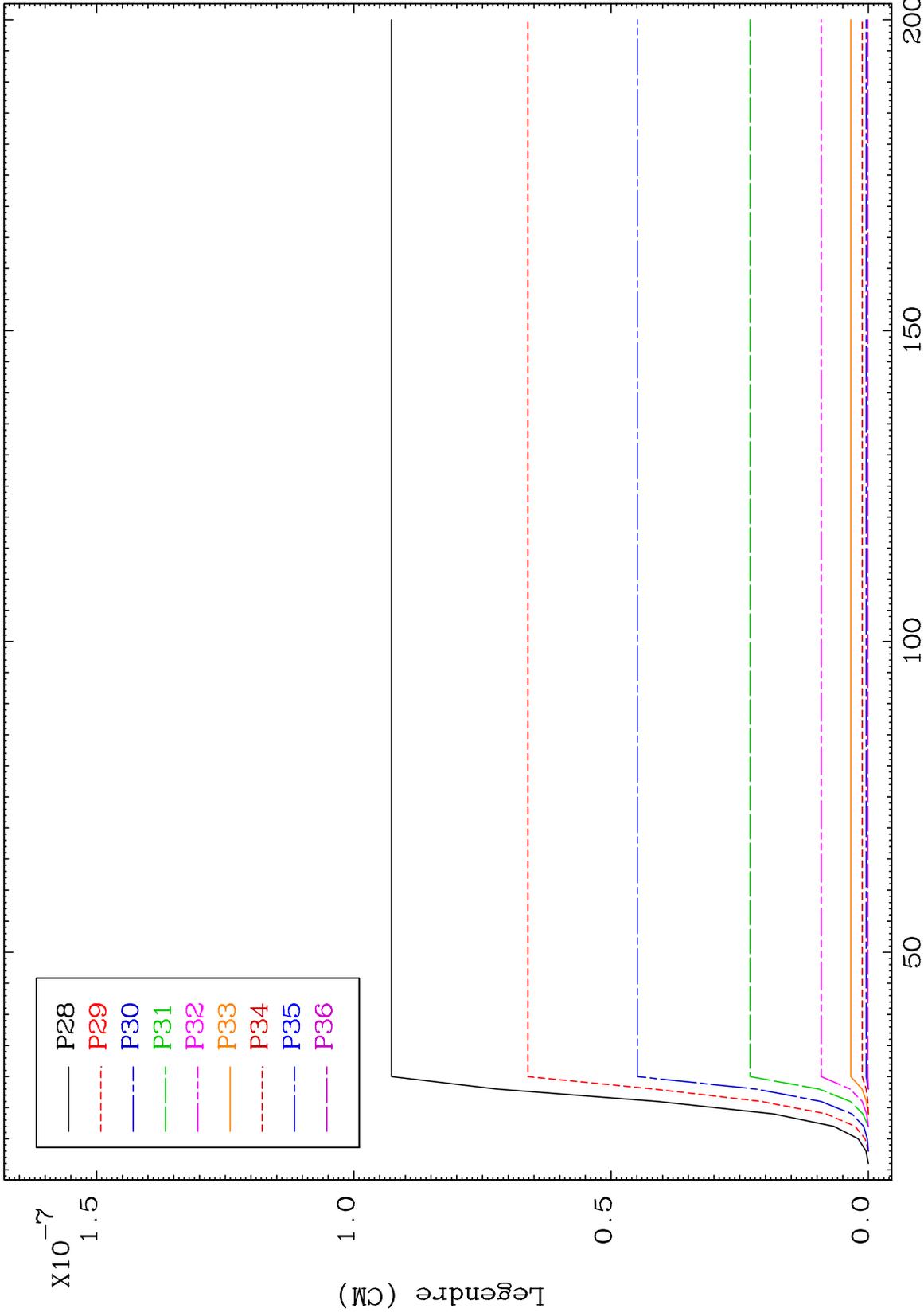
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75-Re-175

MAT 7495

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

75-Re-175



34

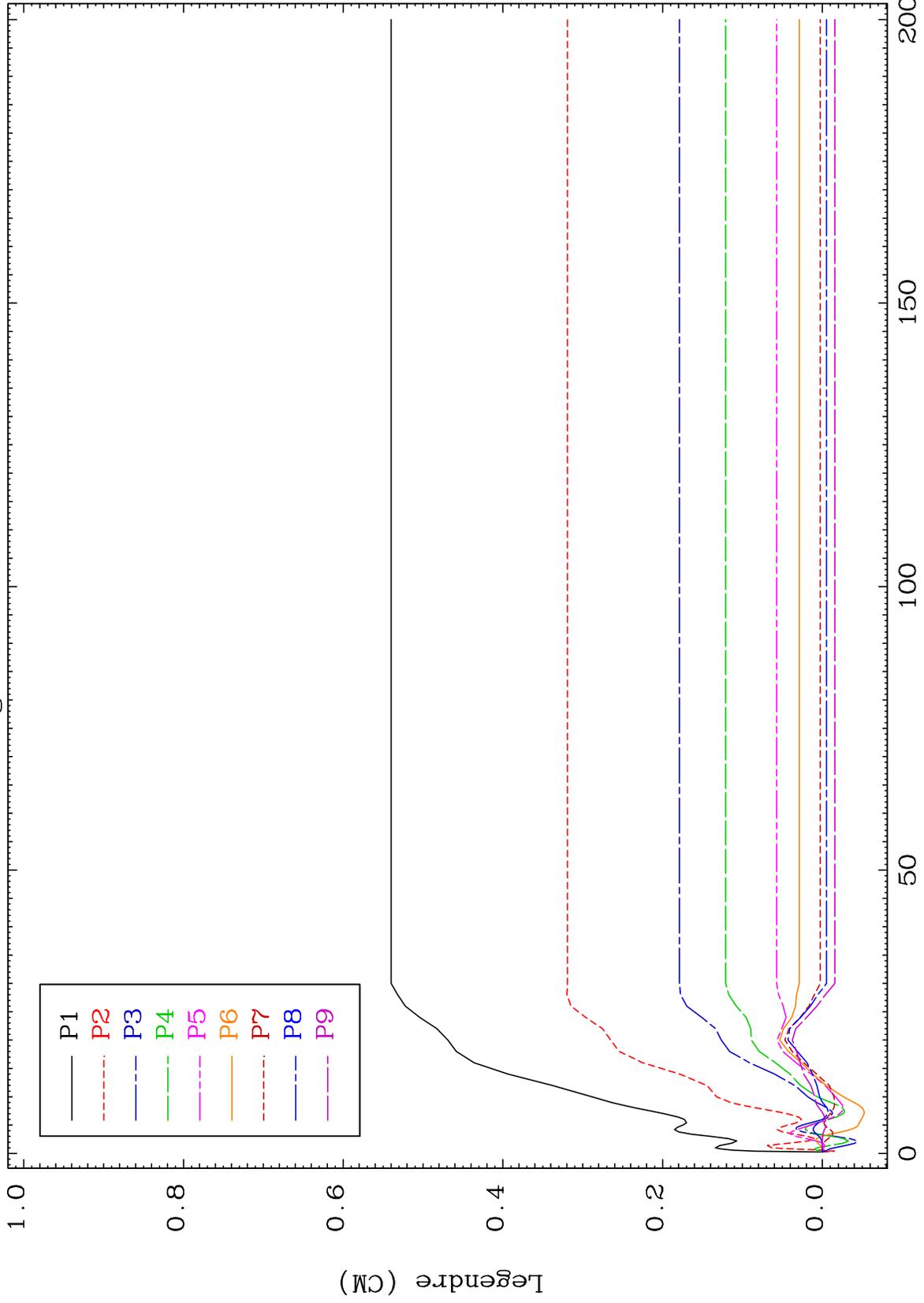
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



35

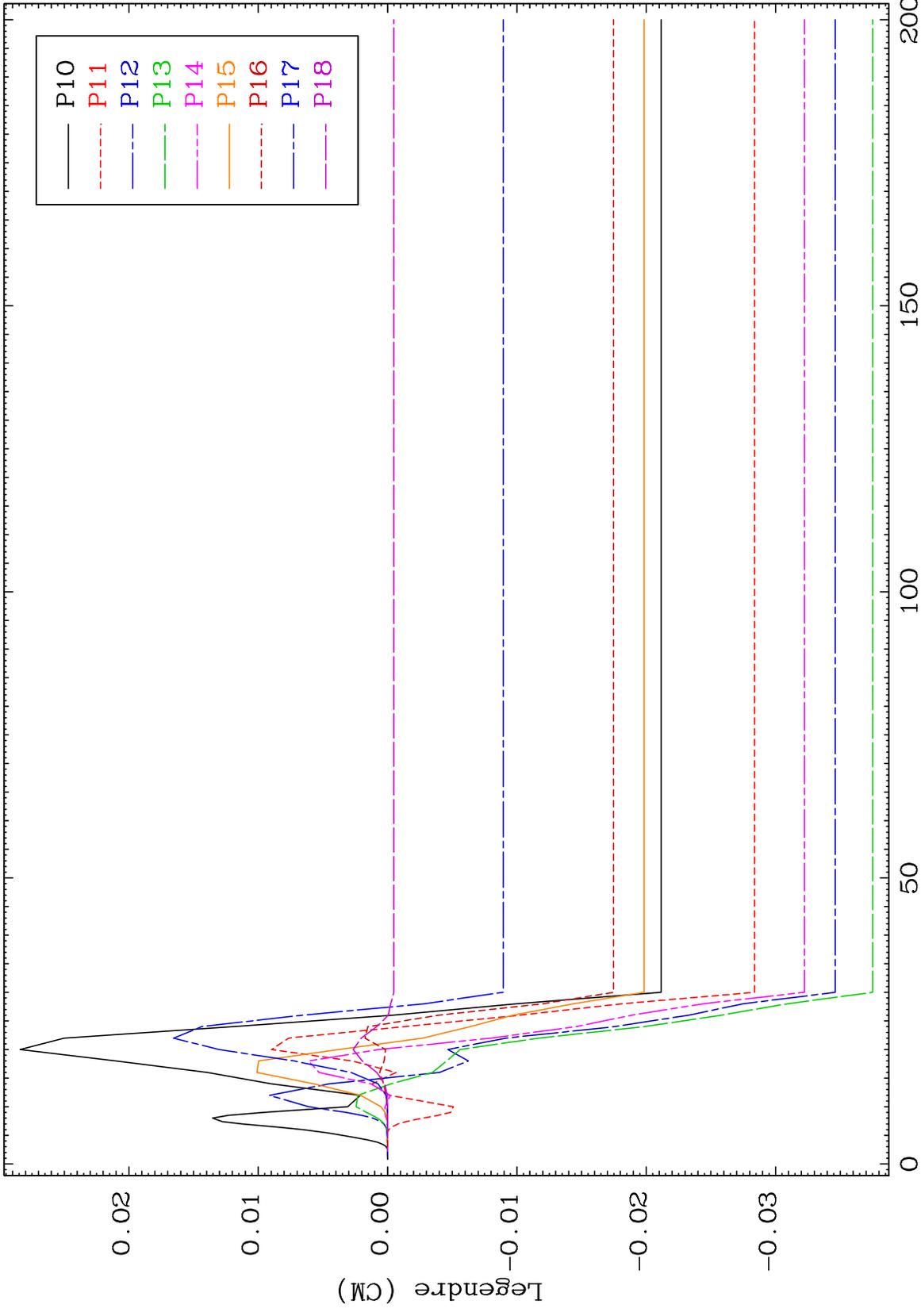
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



36

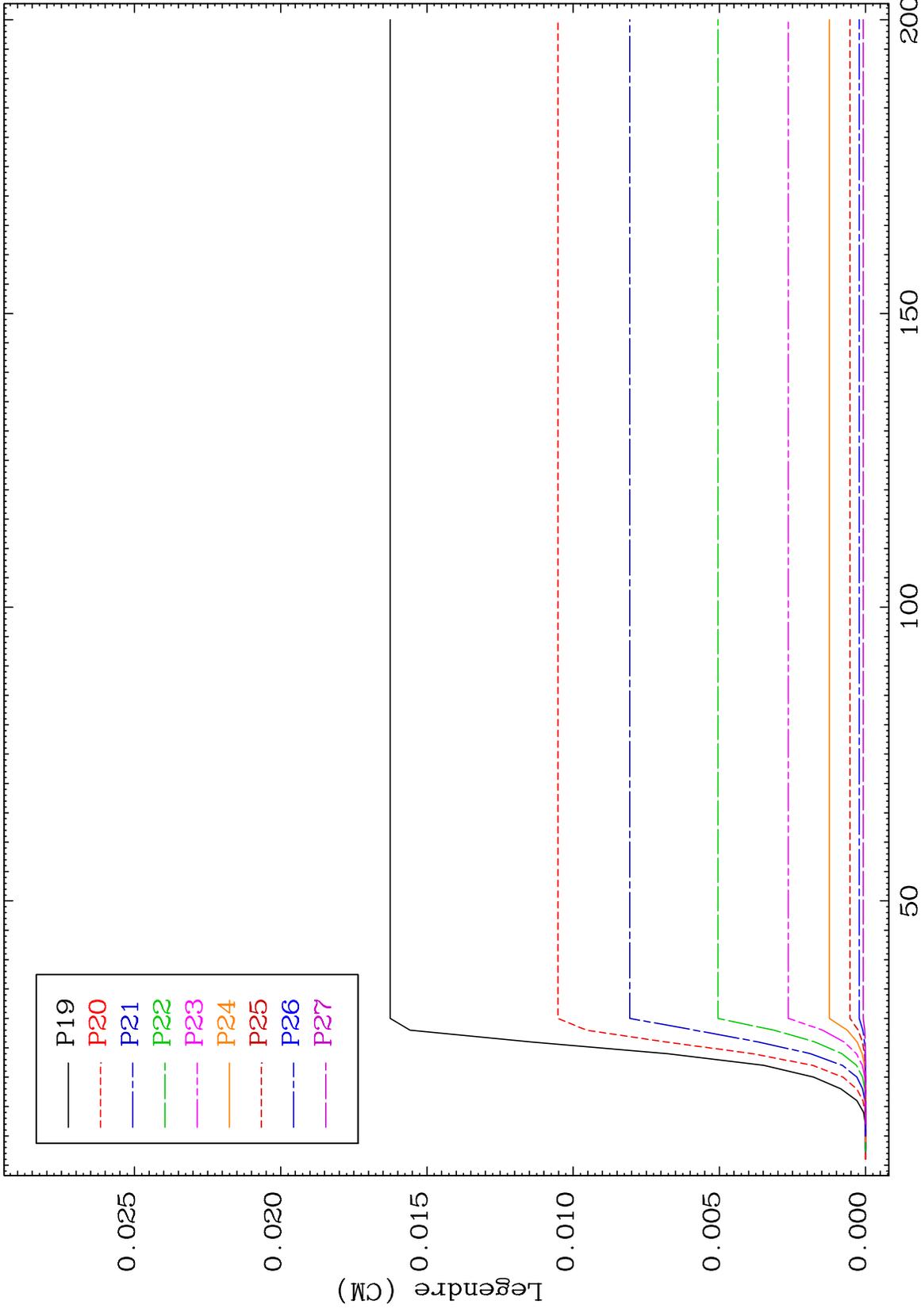
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



37

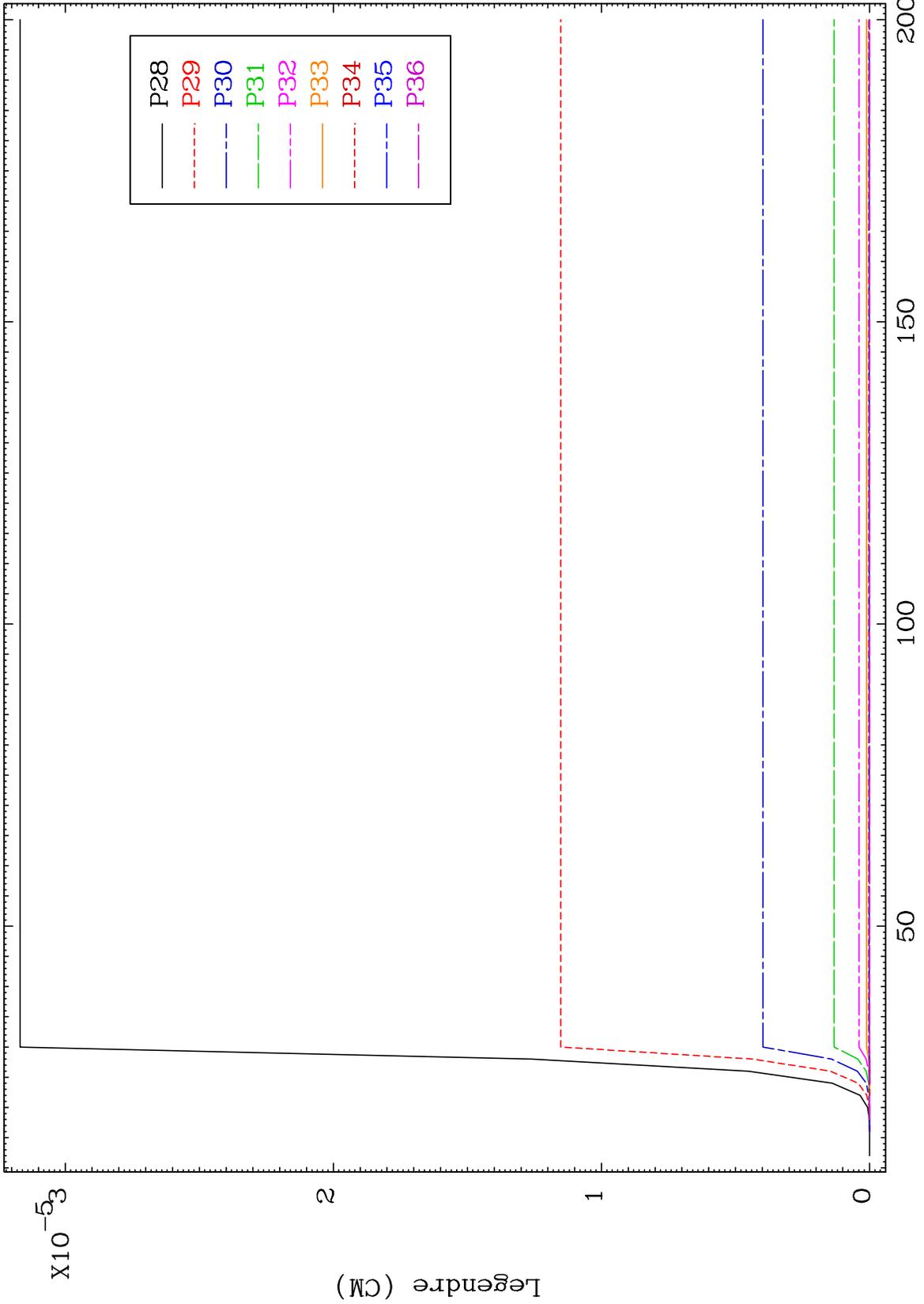
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



38

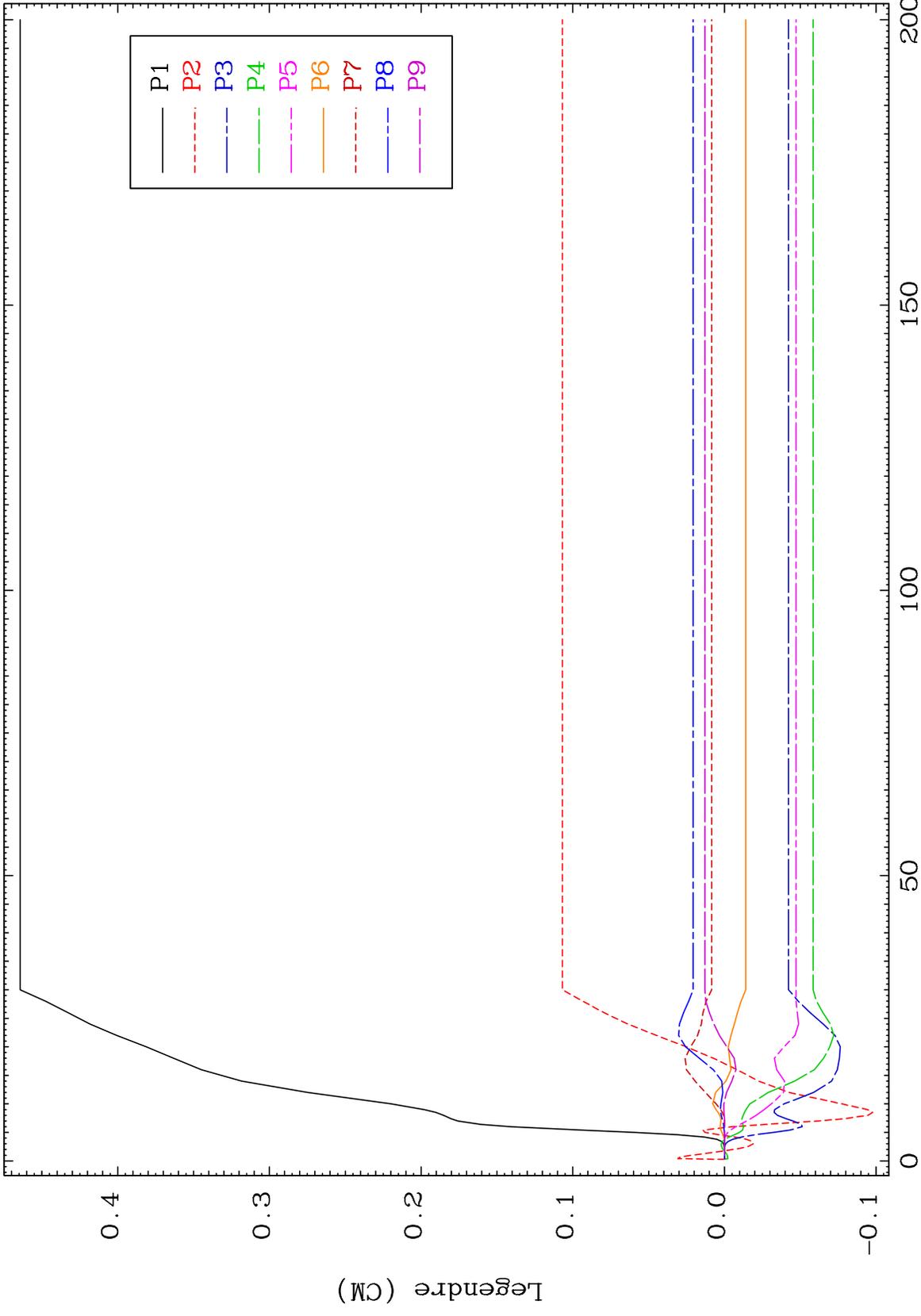
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



39

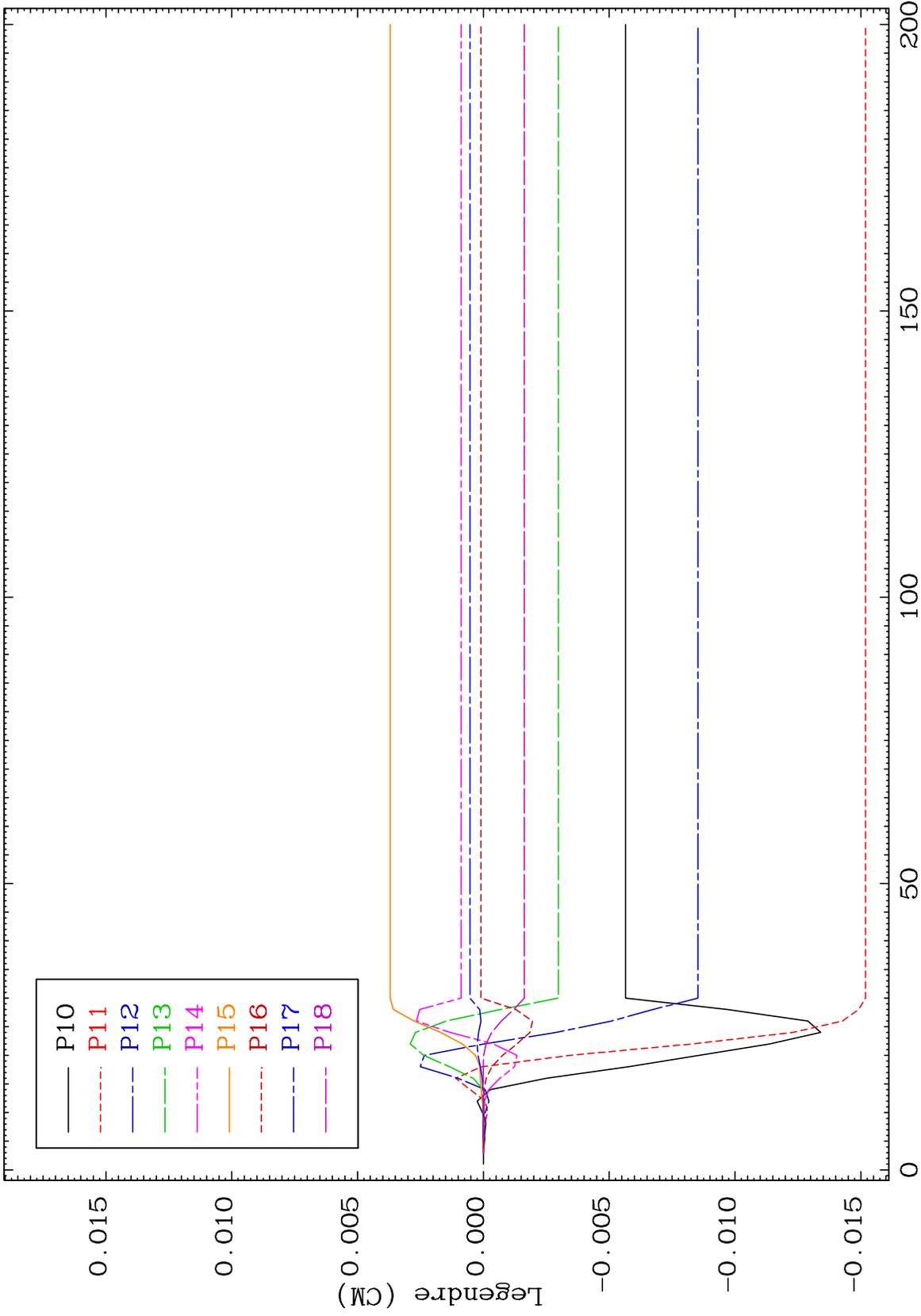
Incident Energy (MeV)

75-Re-175

MAT 7495

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

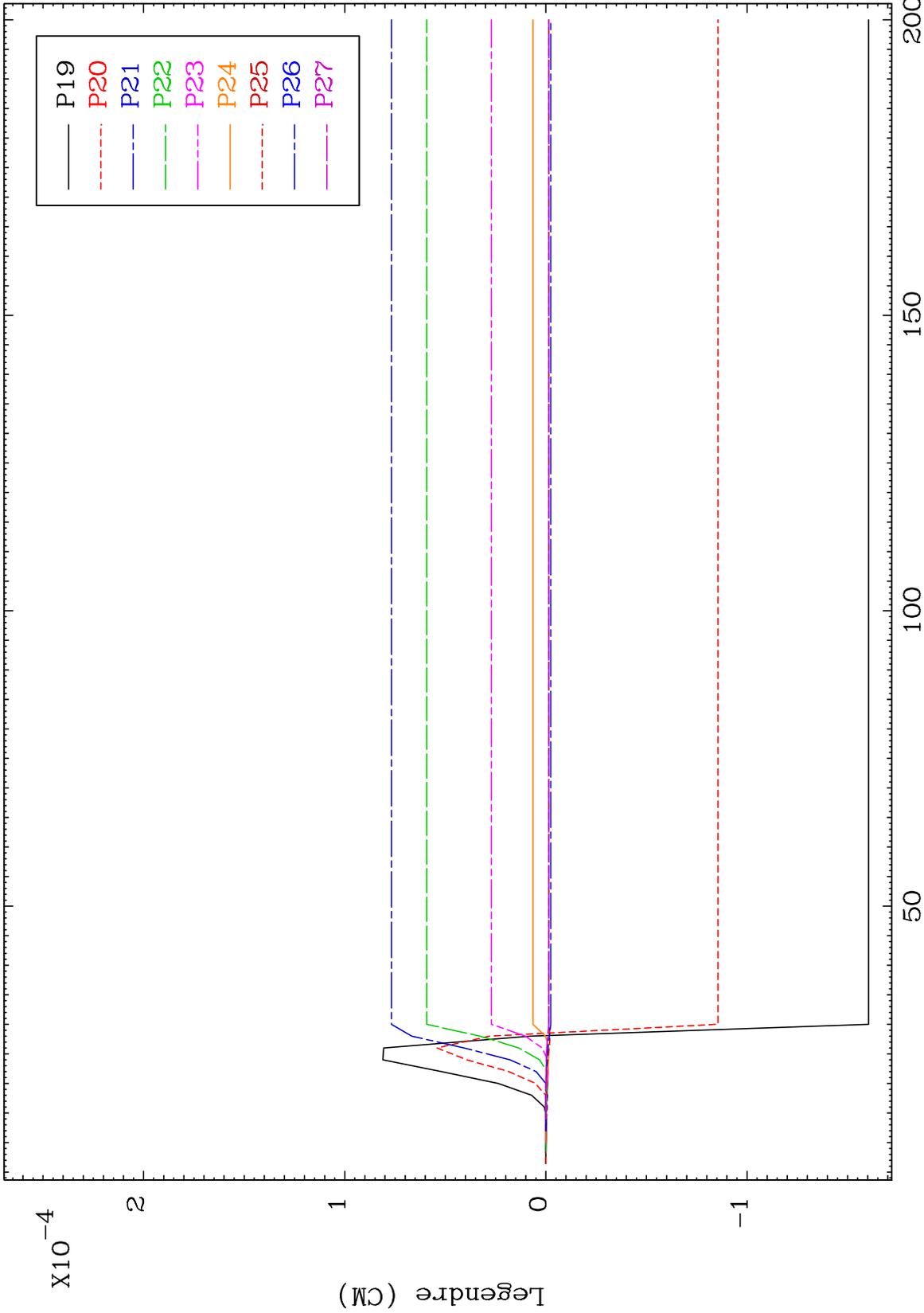
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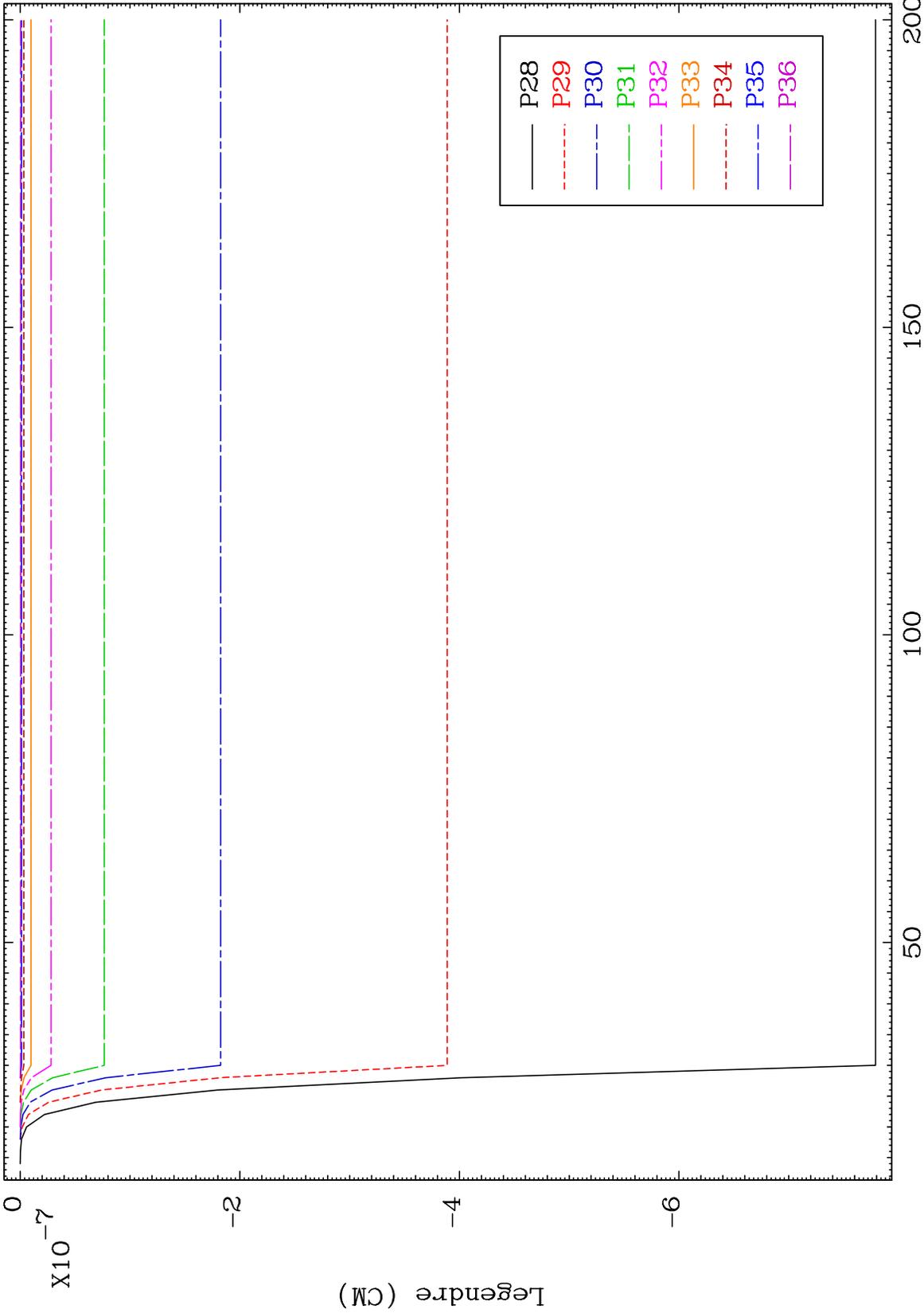
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Incident Energy (MeV)

75-Re-175



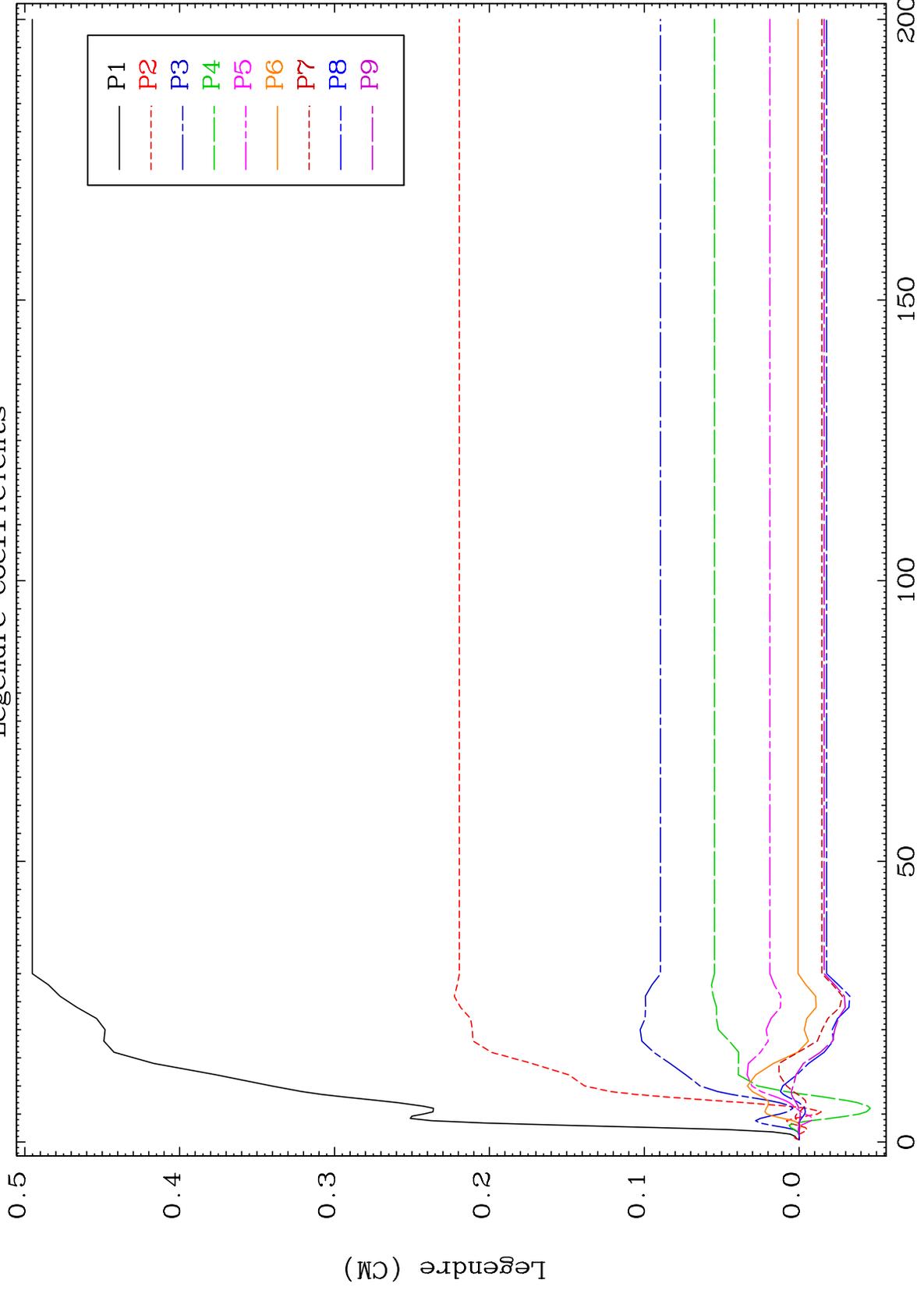
MAT 7495 MT= 56 (n,n') Level Legendre Coefficients 75-Re-175



MAT 7495

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

75-Re-175



43

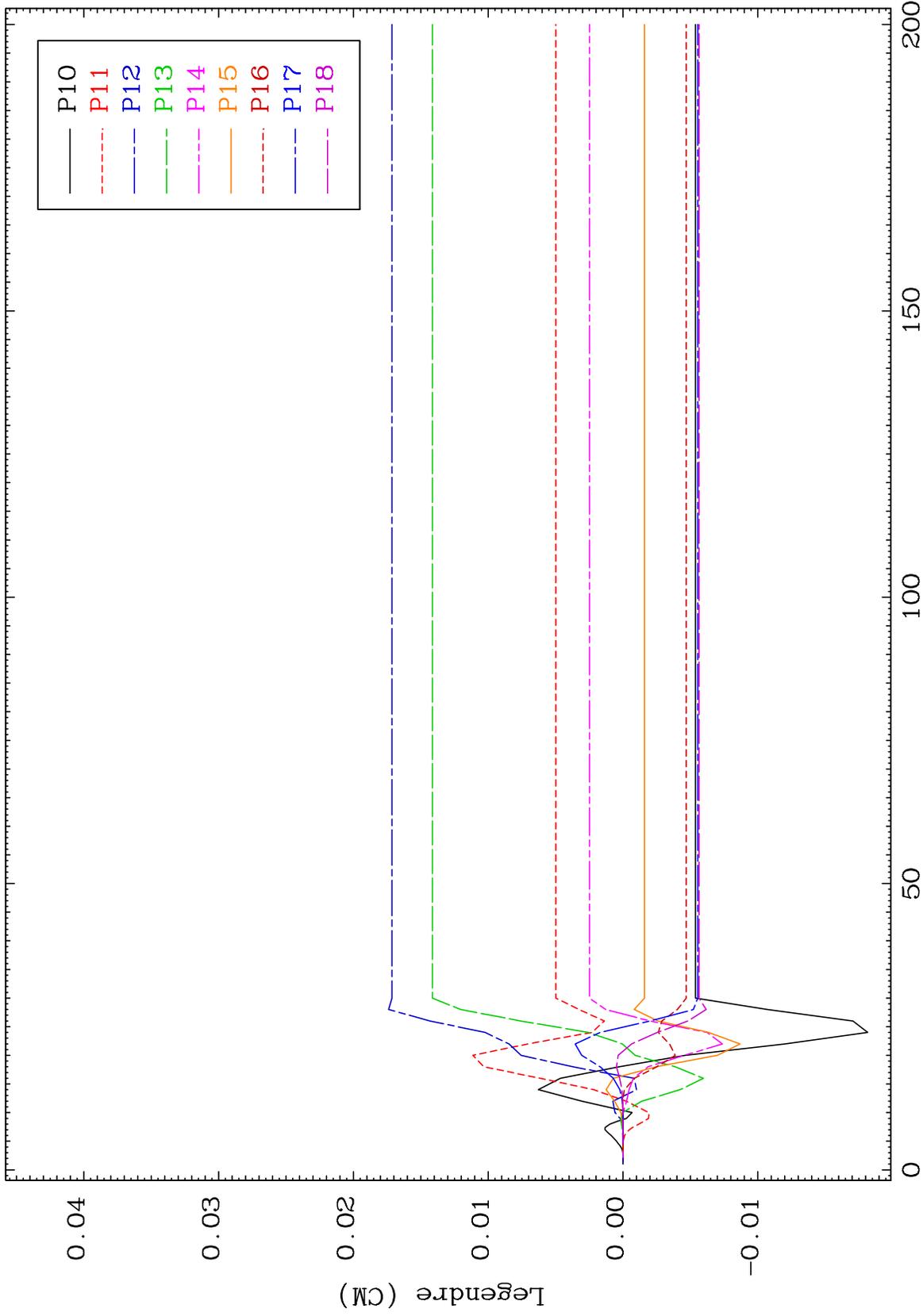
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



44

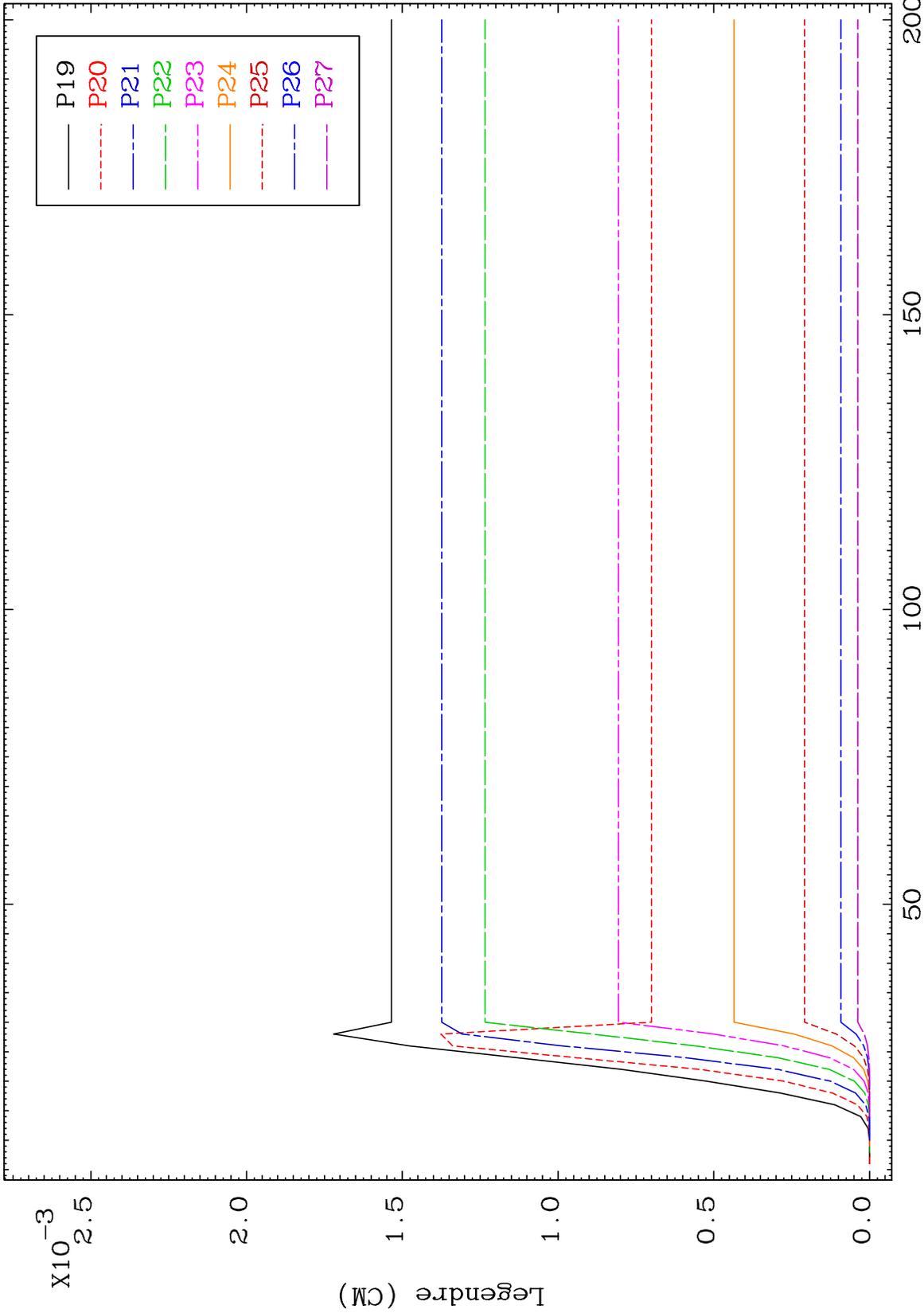
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



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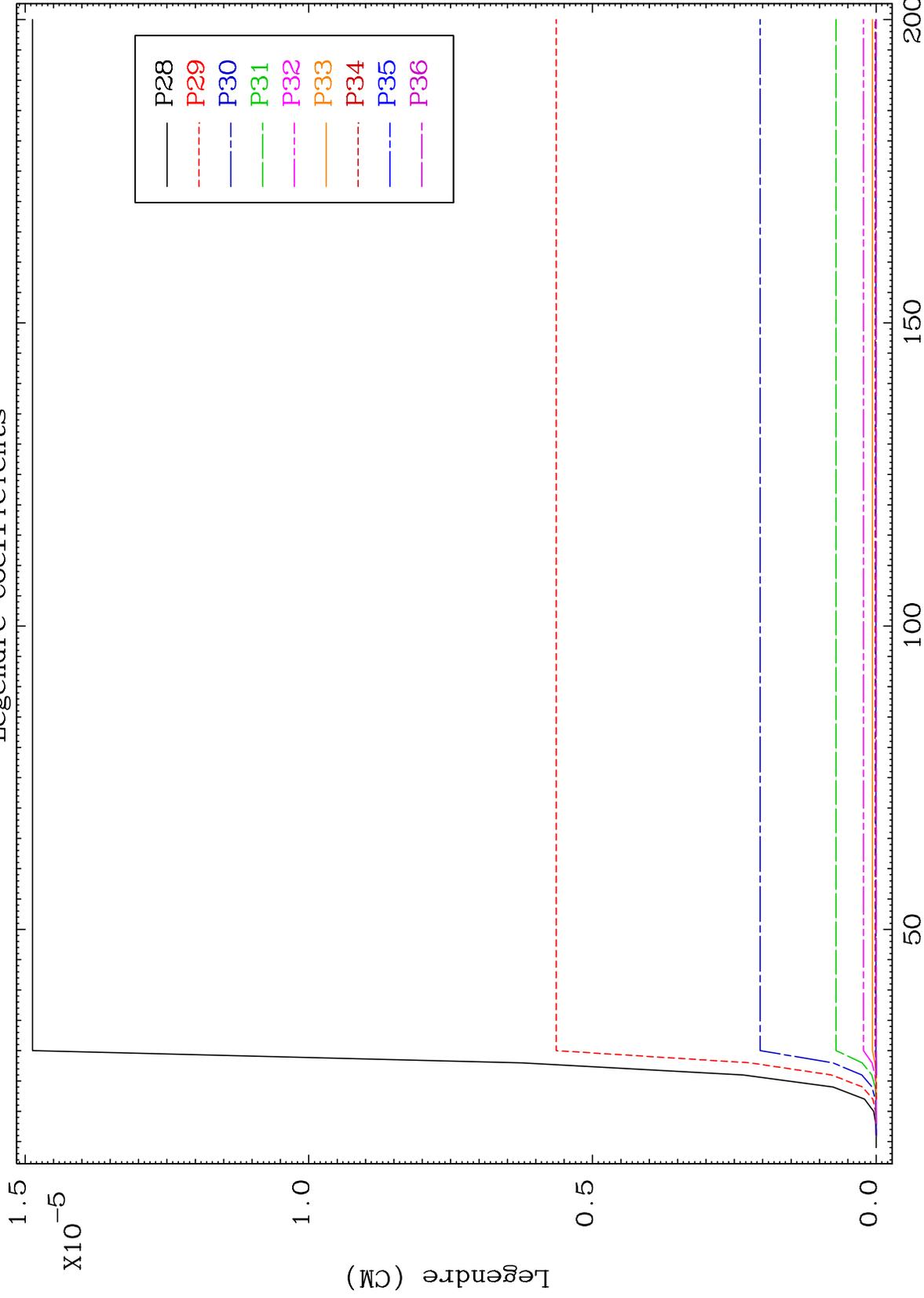
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175

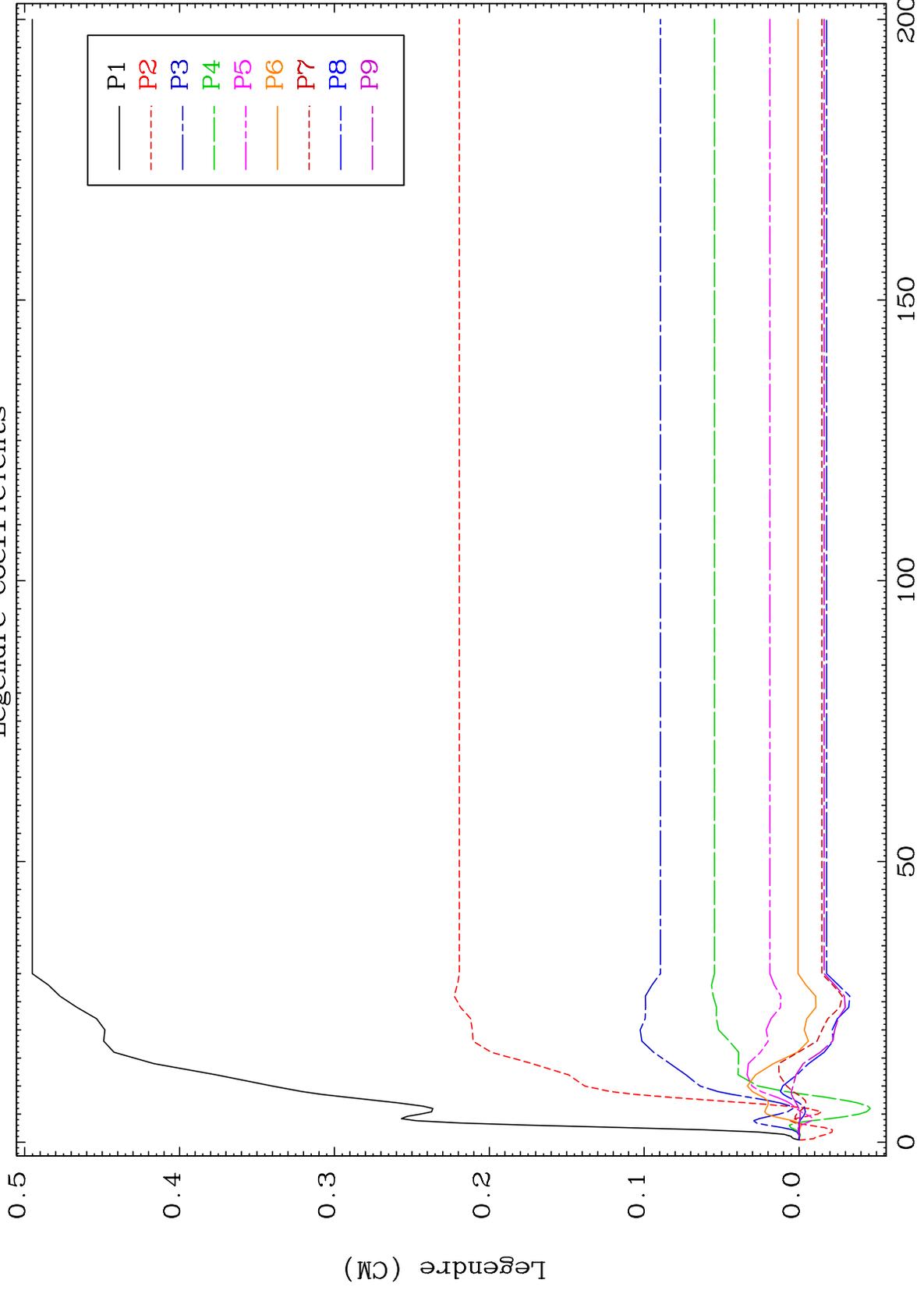


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Incident Energy (MeV)

75-Re-175

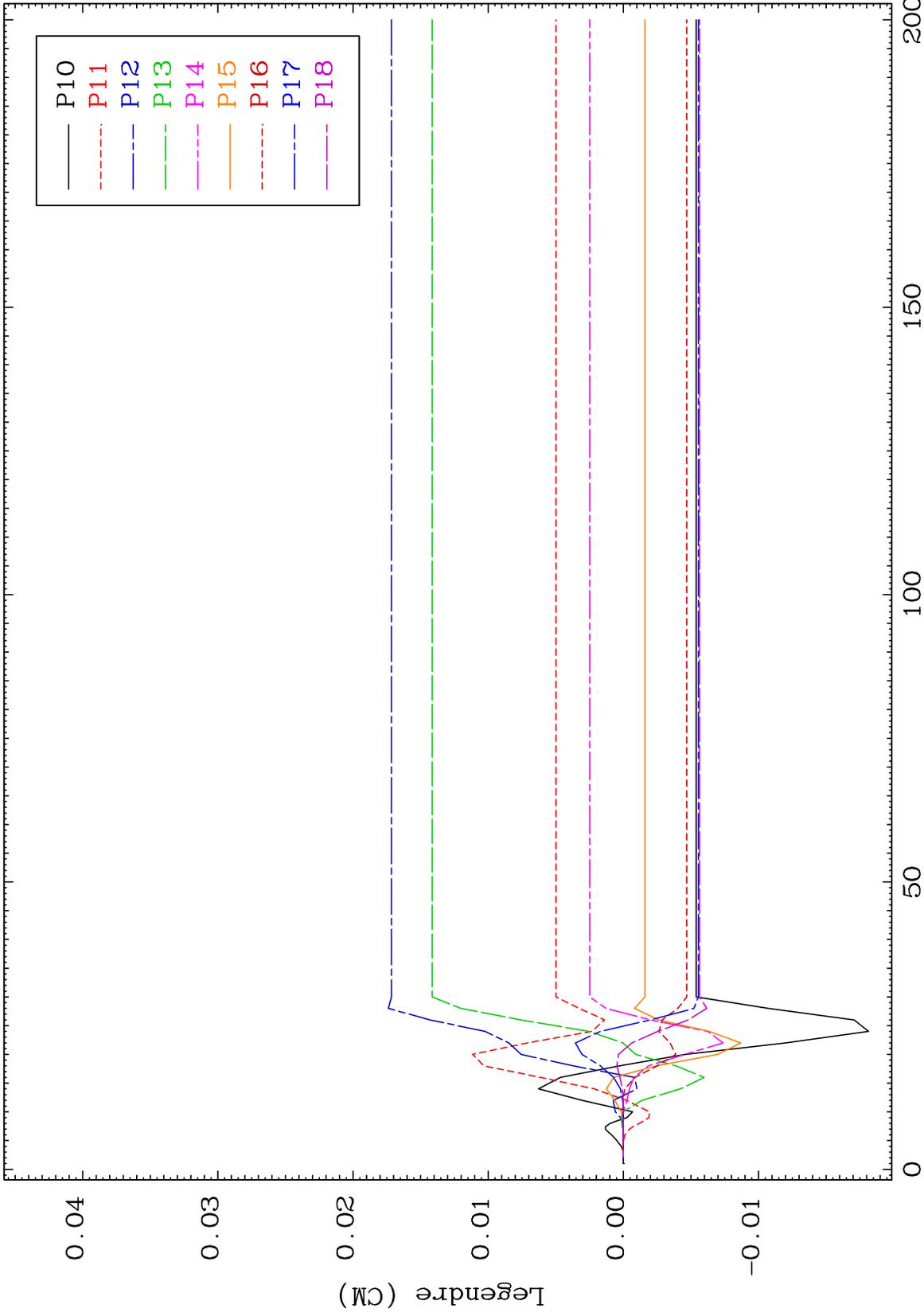
MAT 7495 MT= 58 (n,n') Level Legendre Coefficients 75-Re-175



MAT 7495

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

75-Re-175



48

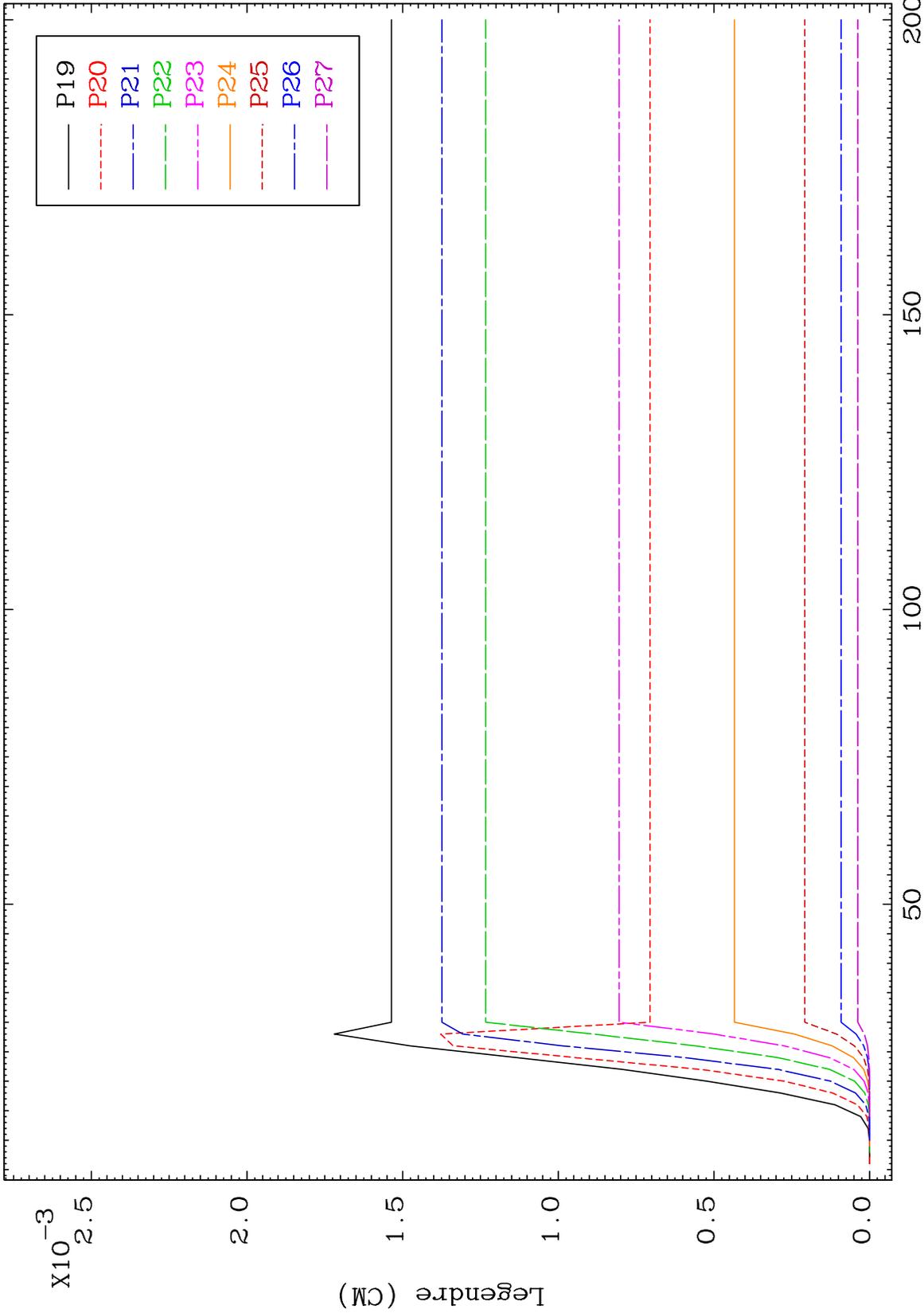
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175

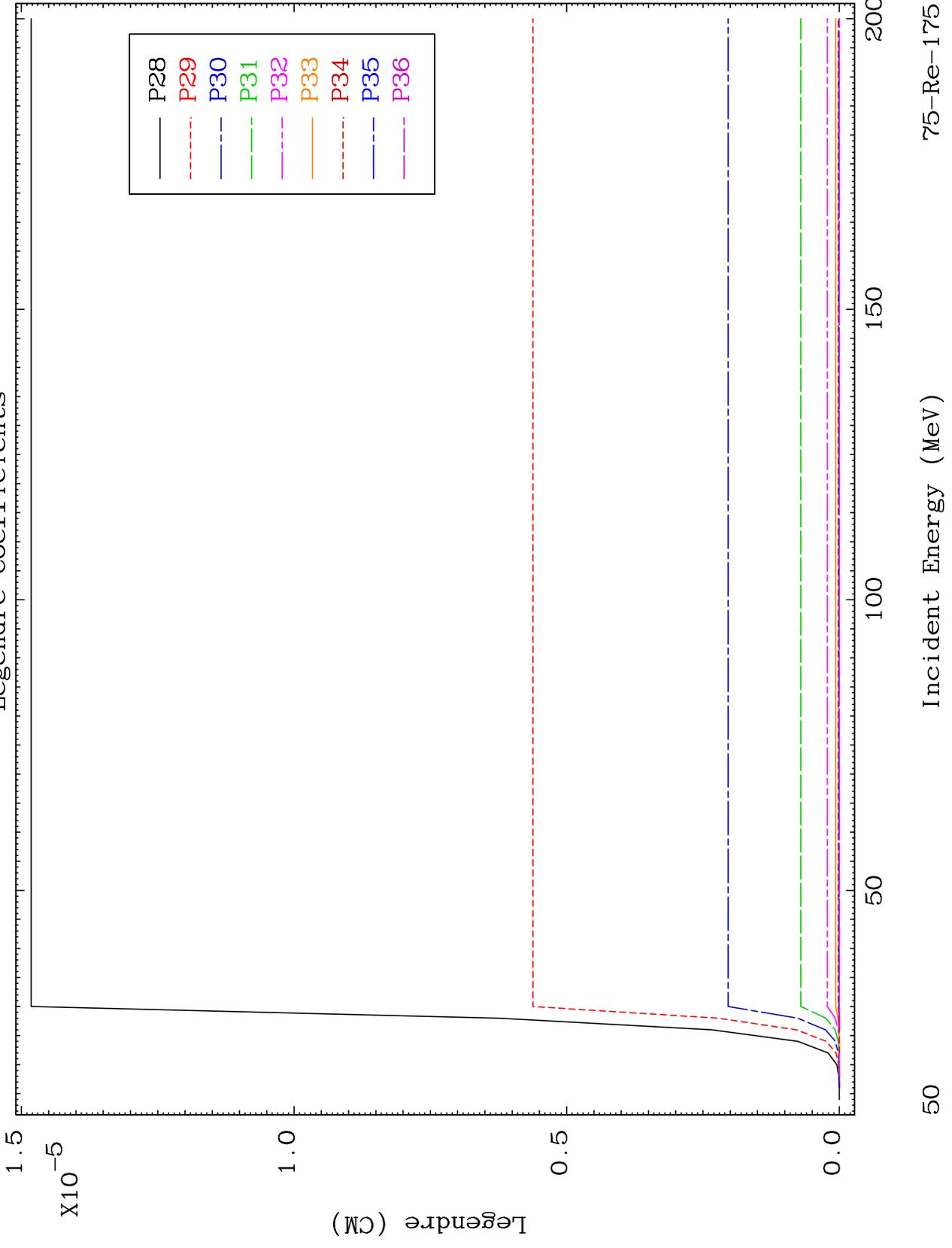


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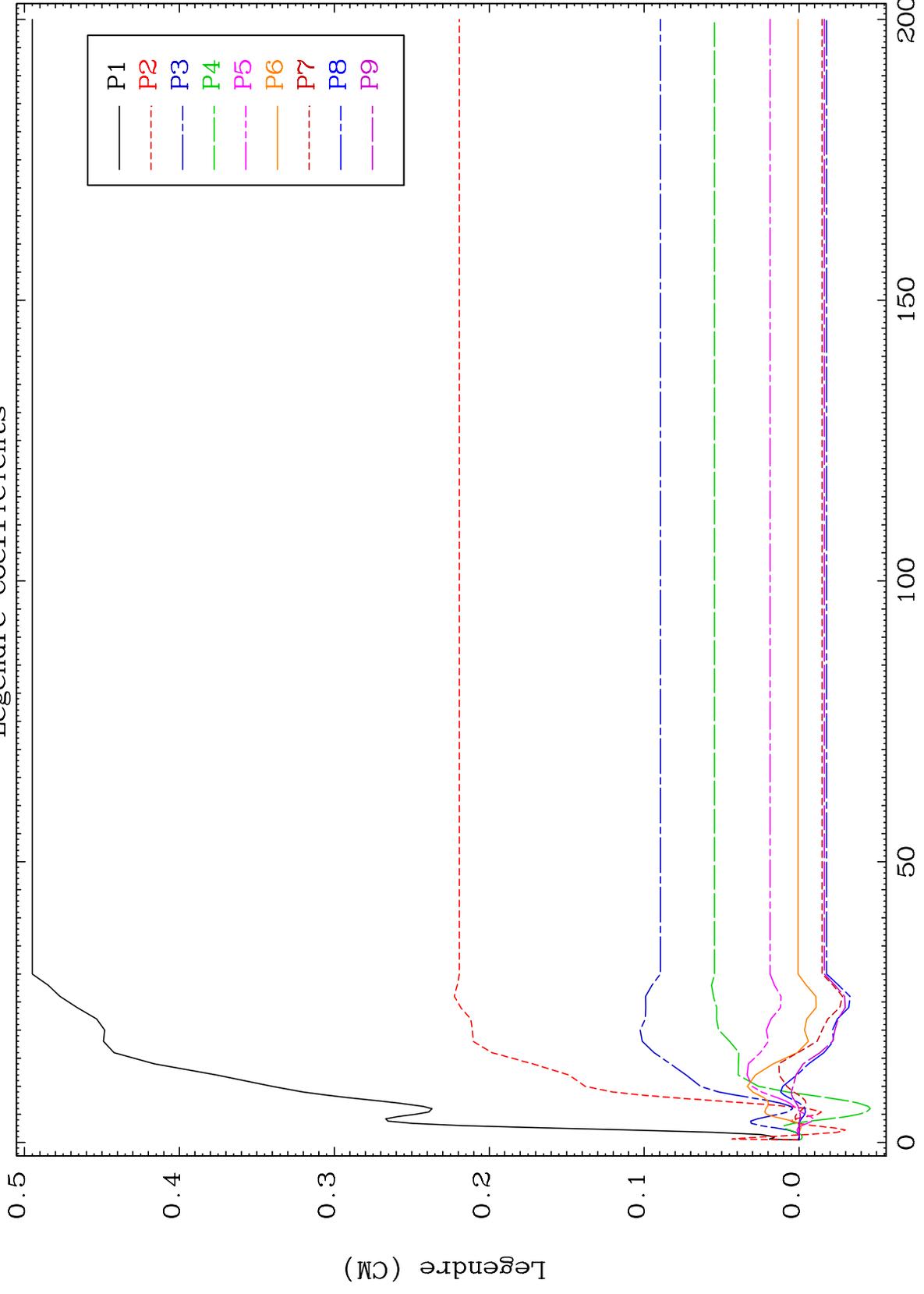
Incident Energy (MeV)

75-Re-175

MAT 7495 MT= 58 (n,n') Level Legendre Coefficients 75-Re-175



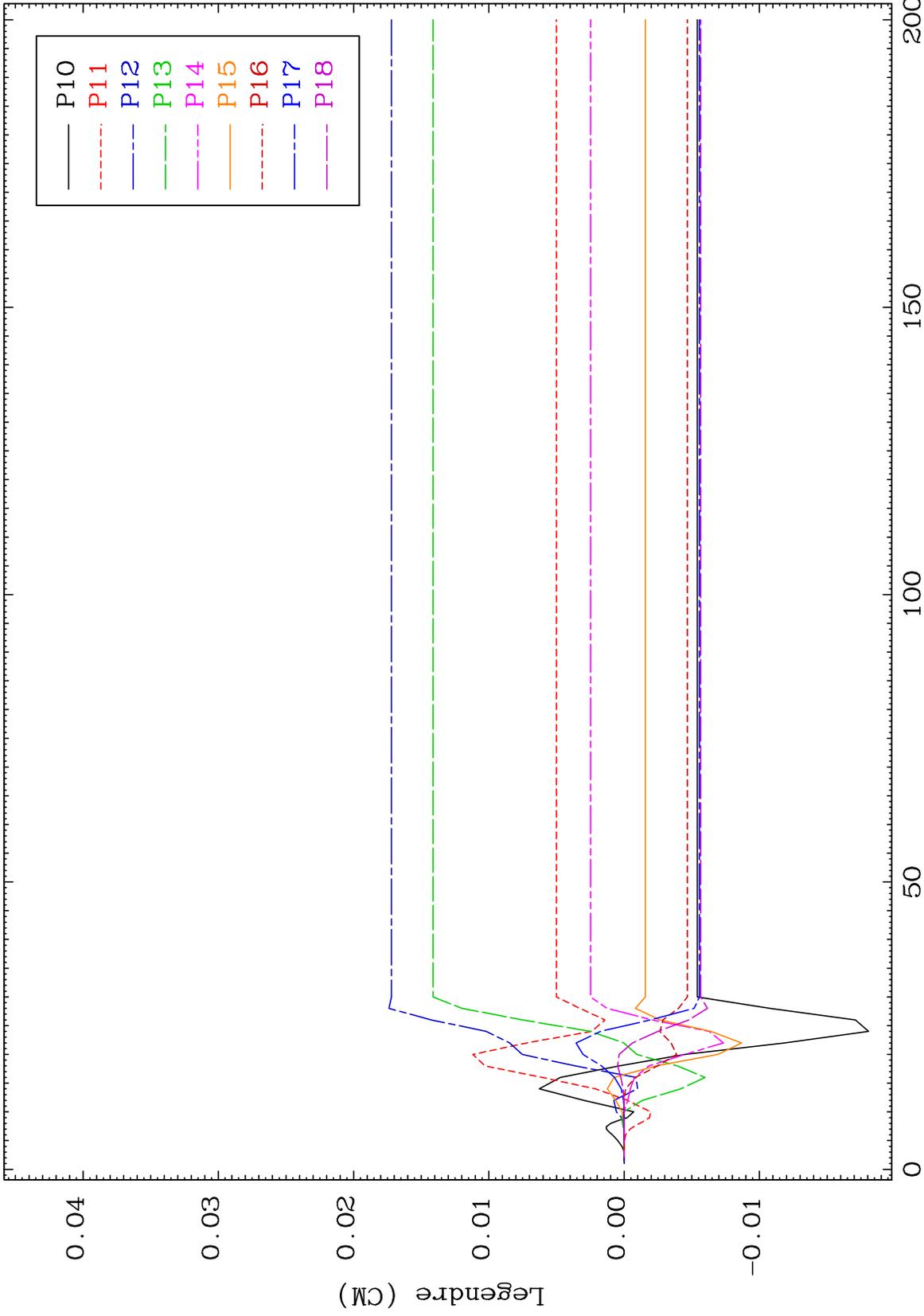
MAT 7495 MT= 59 (n,n') Level Legendre Coefficients 75-Re-175



MAT 7495

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

75-Re-175



52

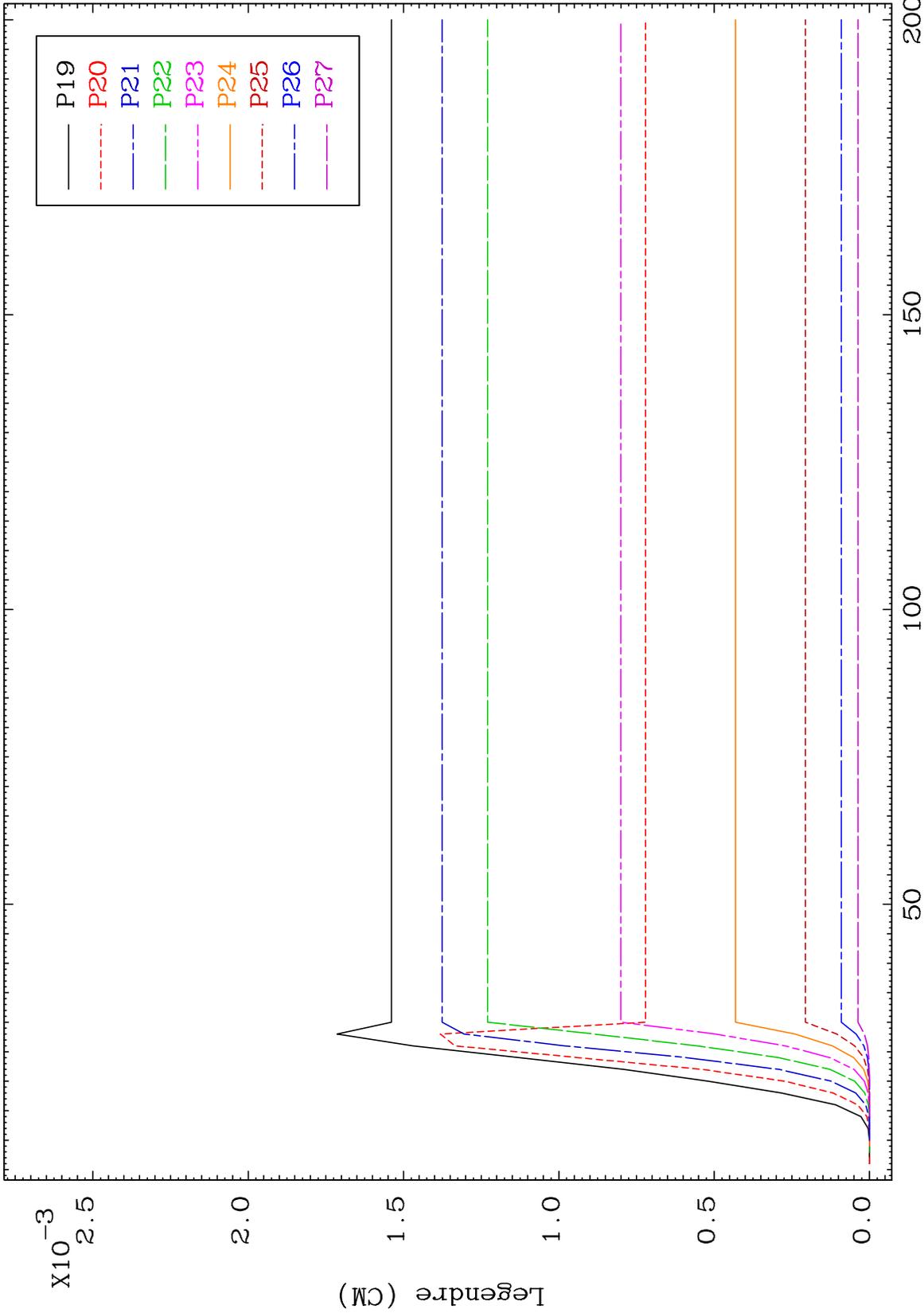
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



53

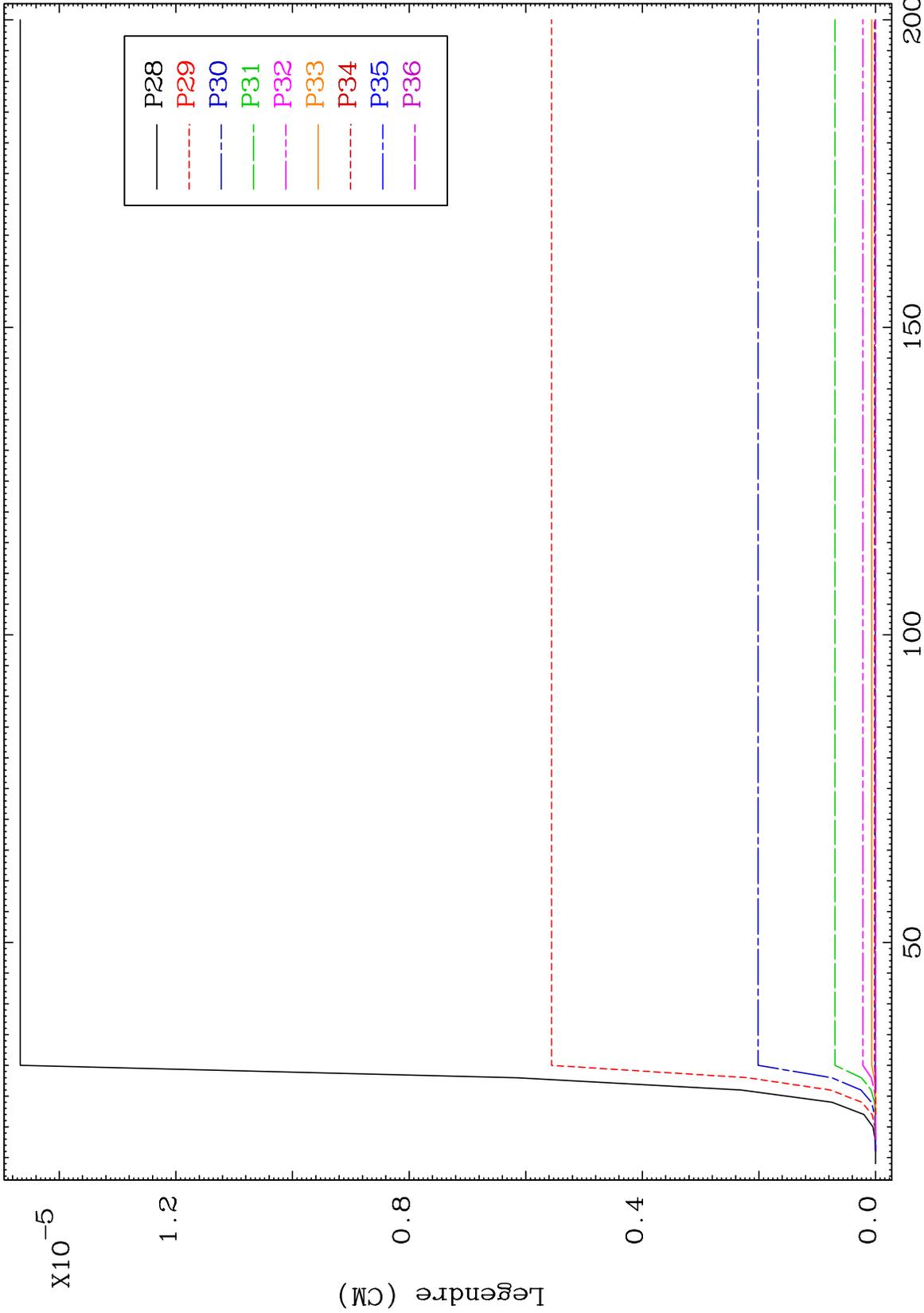
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175

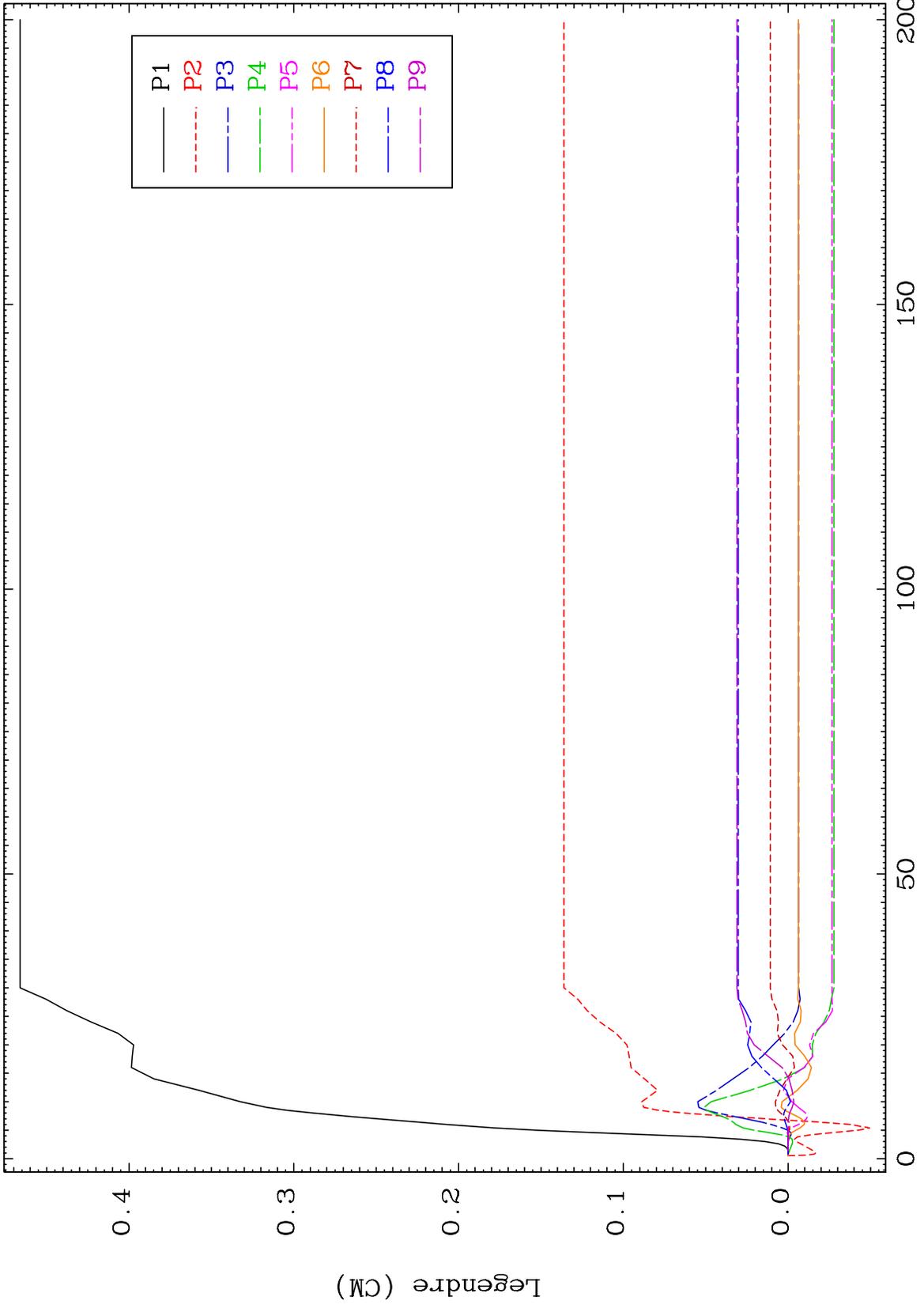


54

Incident Energy (MeV)

75-Re-175

MAT 7495 MT= 60 (n,n') Level Legendre Coefficients 75-Re-175

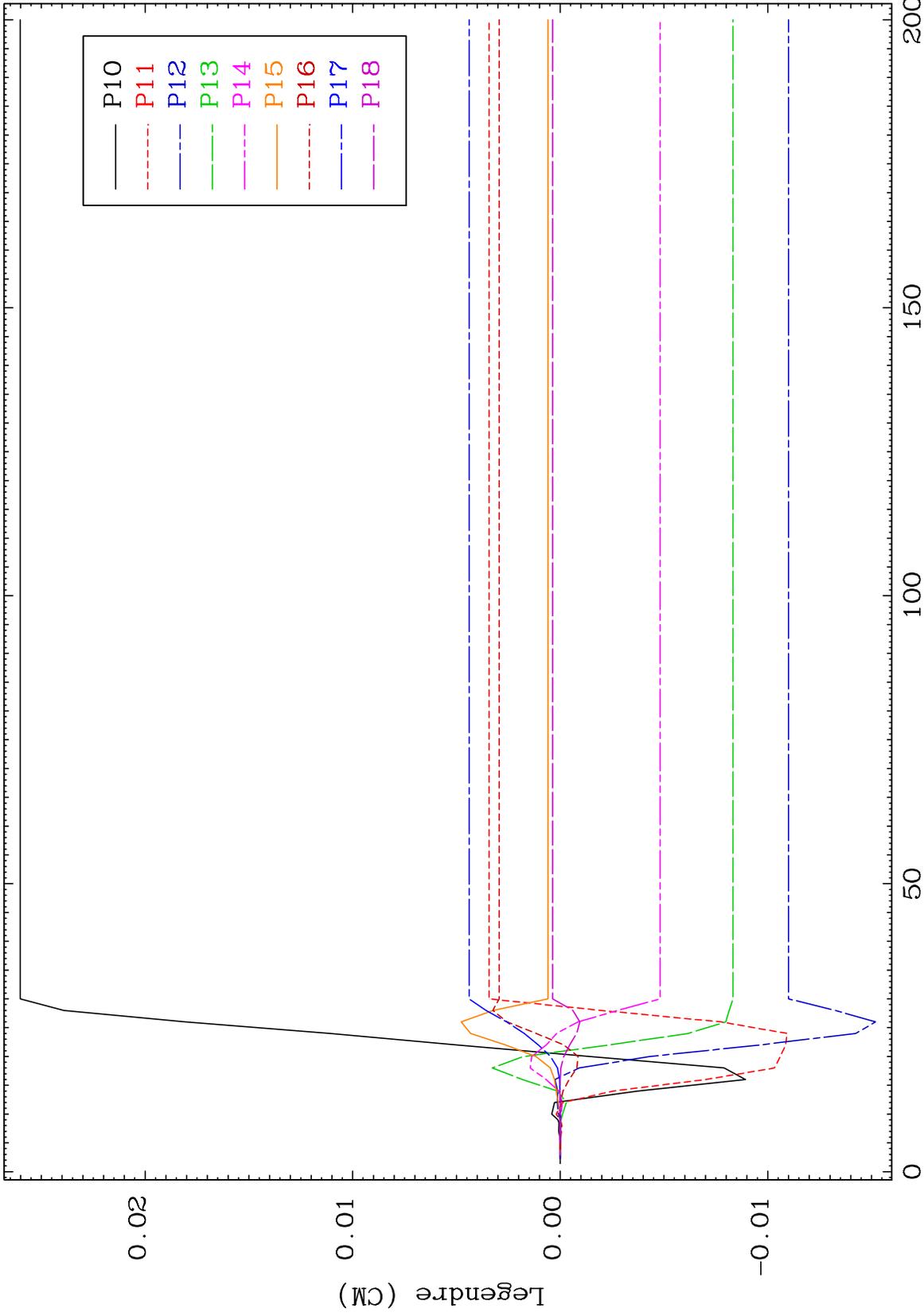


Legendre (CM) Incident Energy (MeV) 75-Re-175

MAT 7495

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

75-Re-175



56

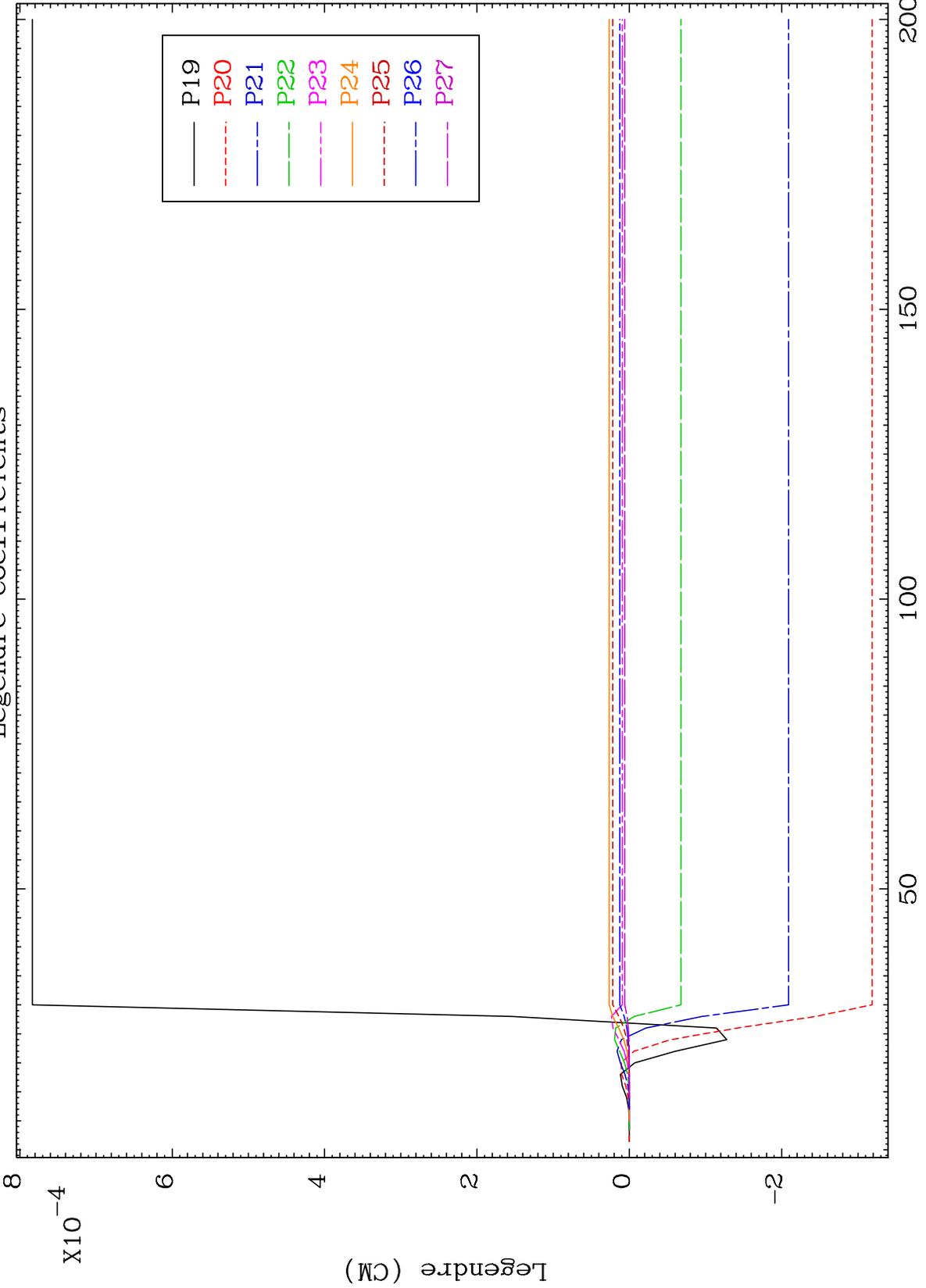
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



57

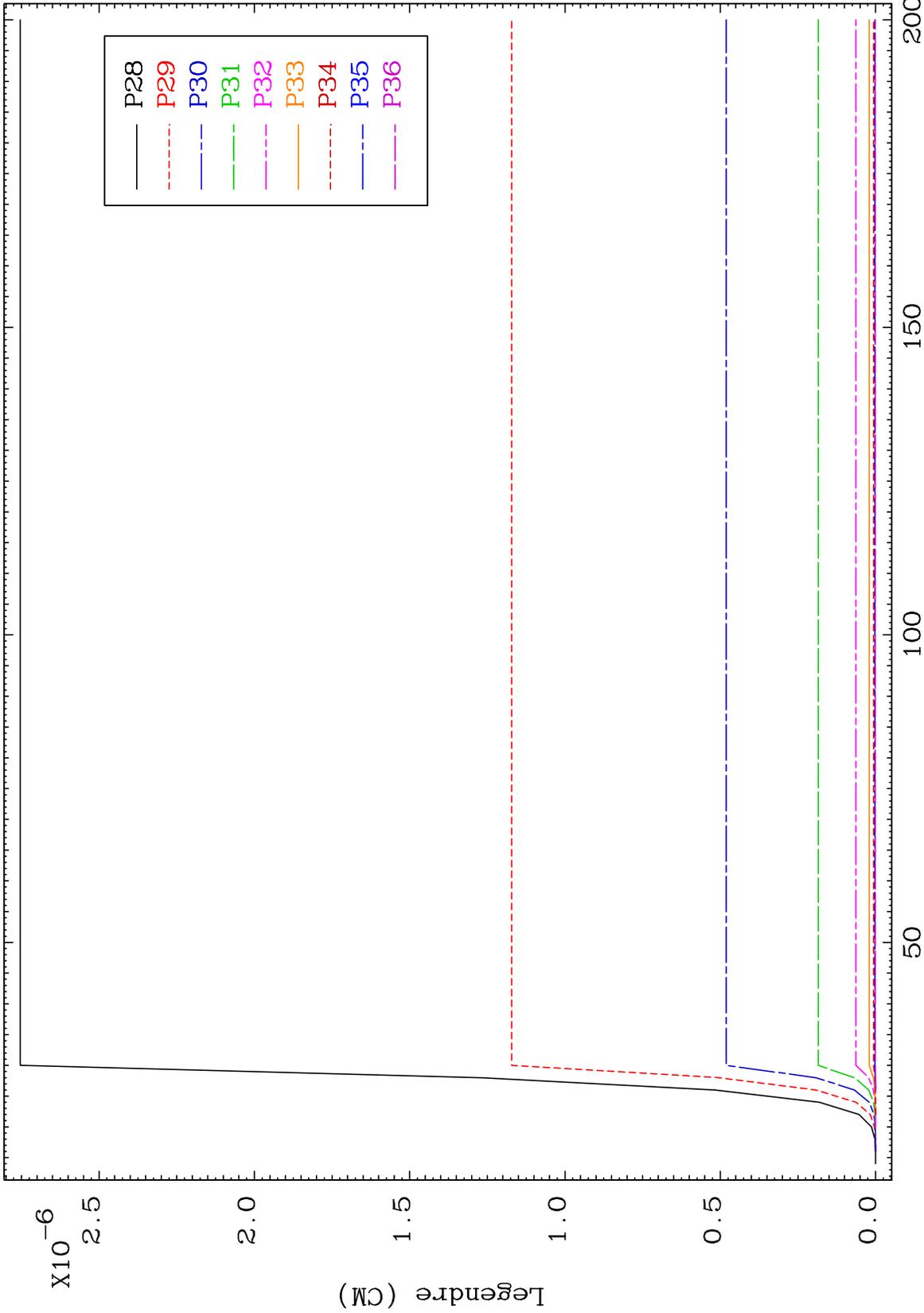
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



58

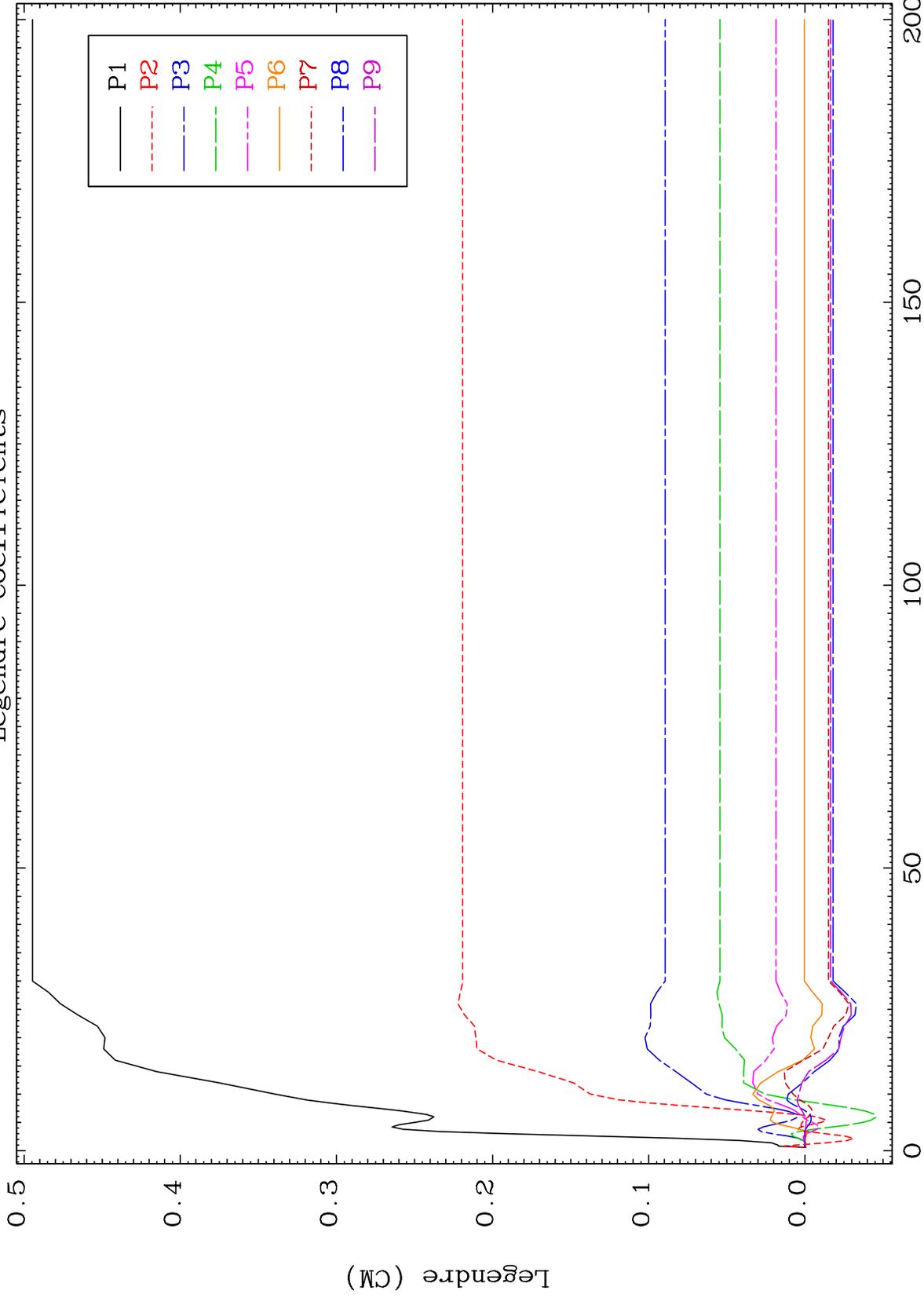
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



59

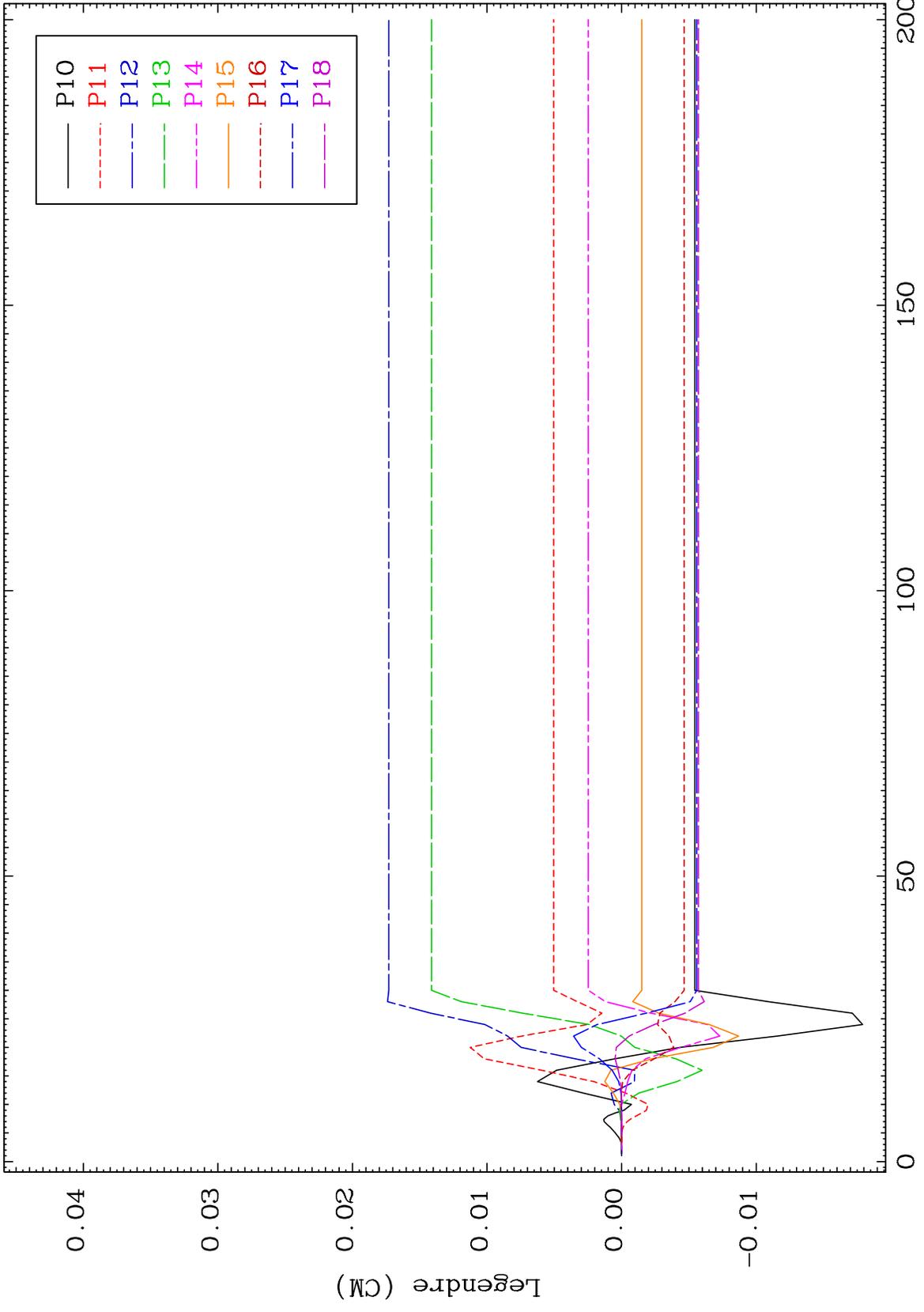
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



0

50

100

150

200

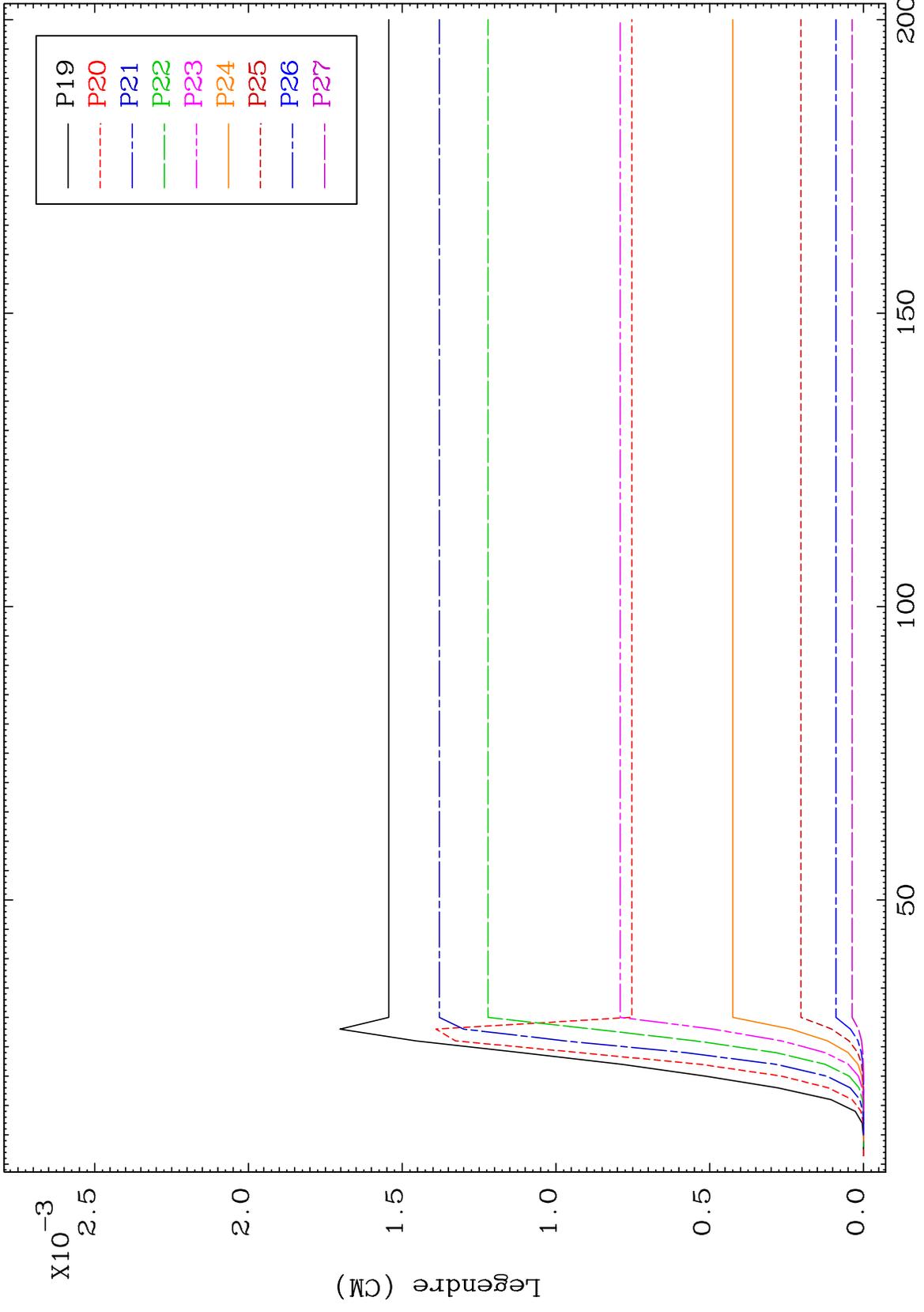
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



61

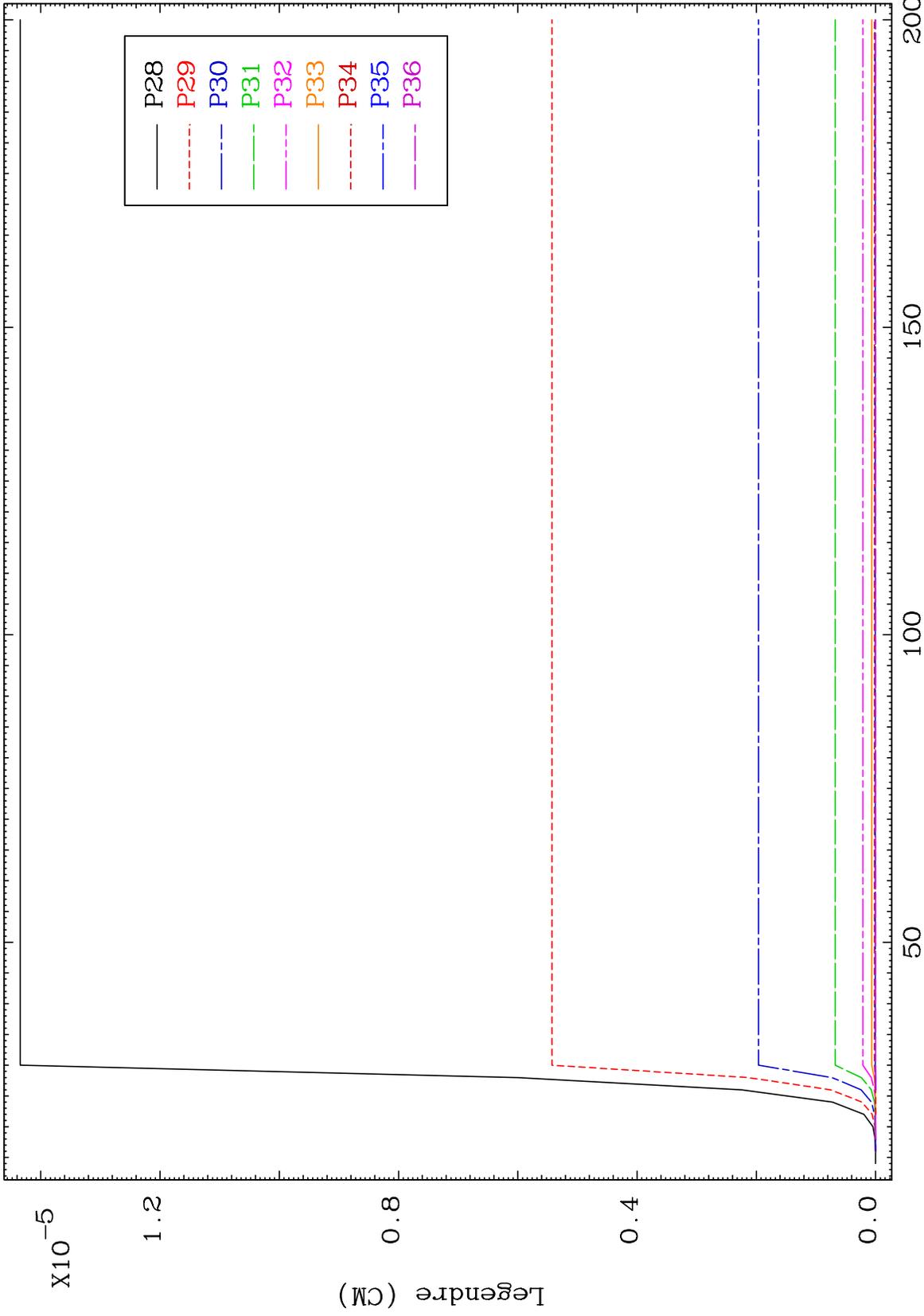
Incident Energy (MeV)

75-Re-175

MAT 7495

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

75-Re-175



62

Incident Energy (MeV)

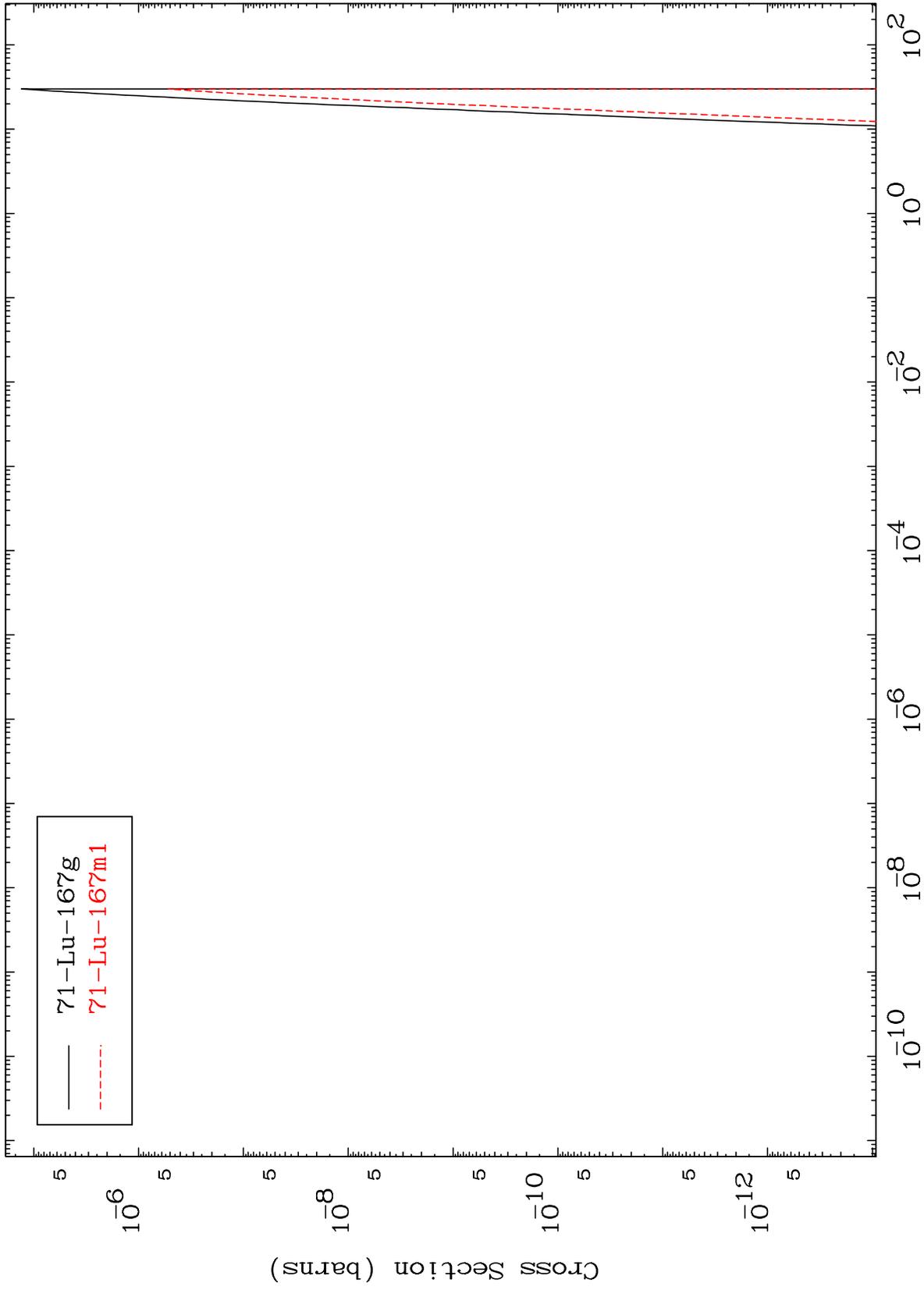
75-Re-175

MAT 7495

(n,n') 2 α

⁷⁵Re-¹⁷⁵

Radionuclide Production Cross Section



63

Incident Energy (MeV)

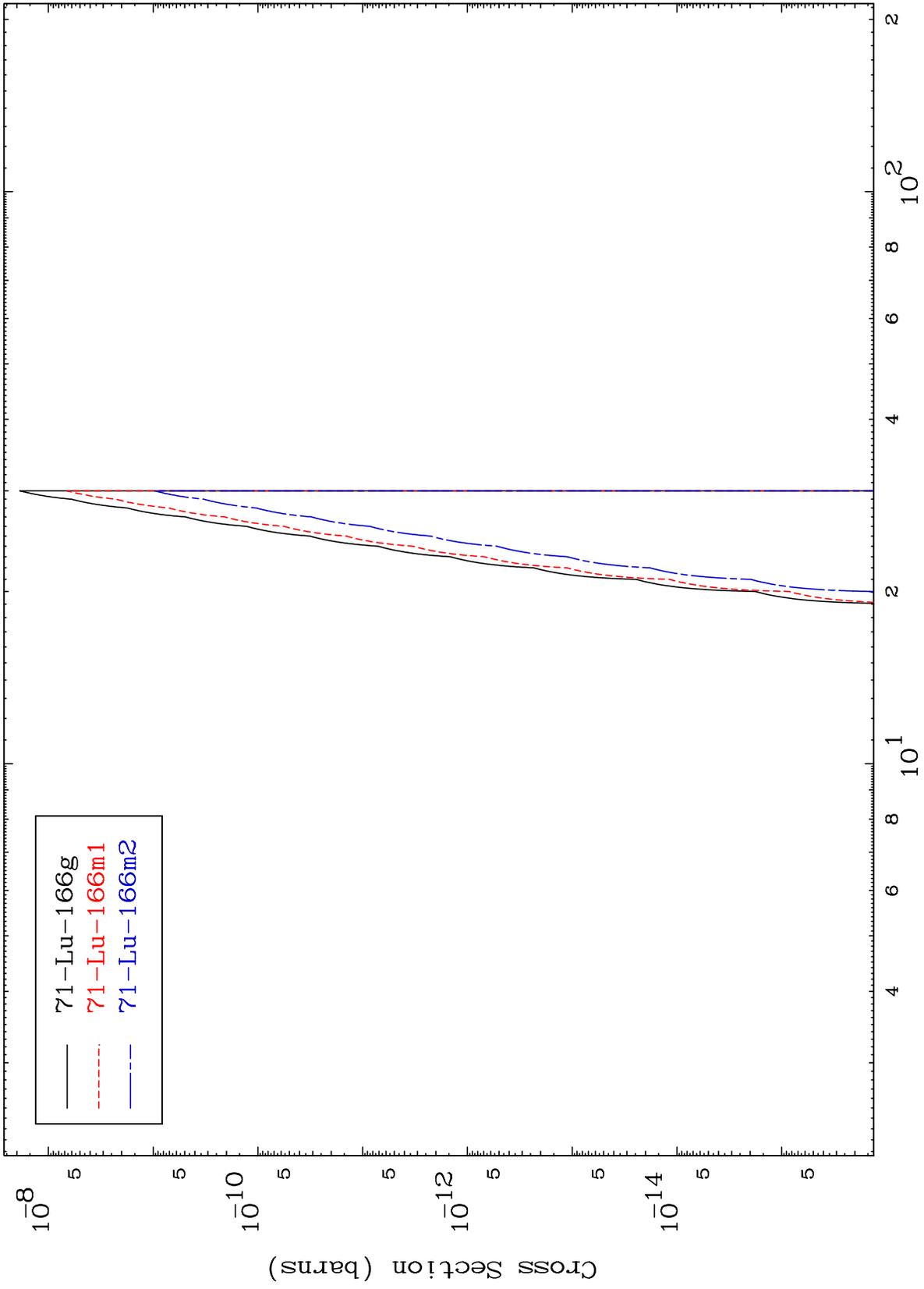
⁷⁵Re-¹⁷⁵

MAT 7495

$(n, 2n) 2\alpha$

⁷⁵Re-¹⁷⁵

Radionuclide Production Cross Section



64

Incident Energy (MeV)

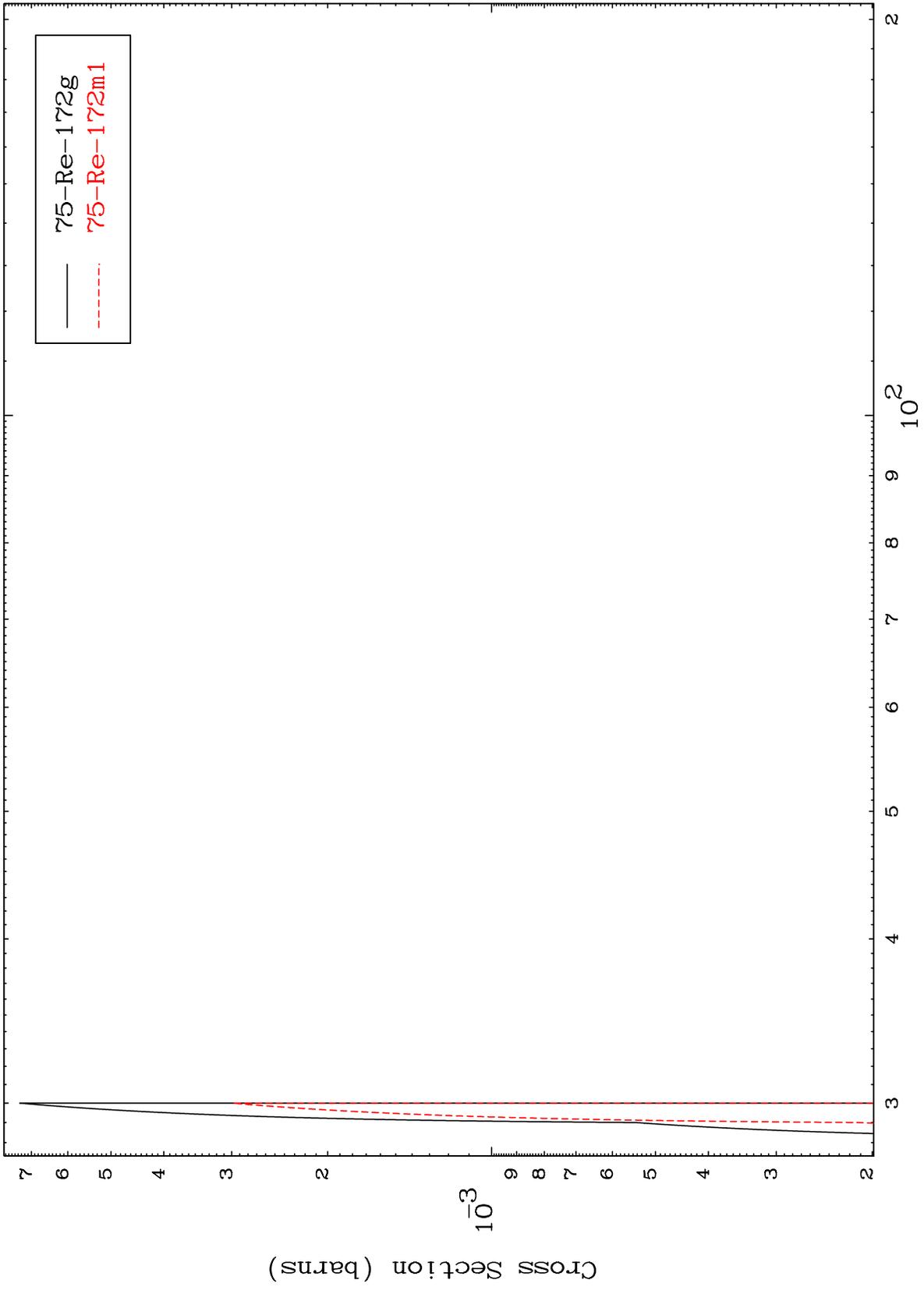
⁷⁵Re-¹⁷⁵

MAT 7495

(n,4n)

75-Re-175

Radionuclide Production Cross Section



65

Incident Energy (MeV)

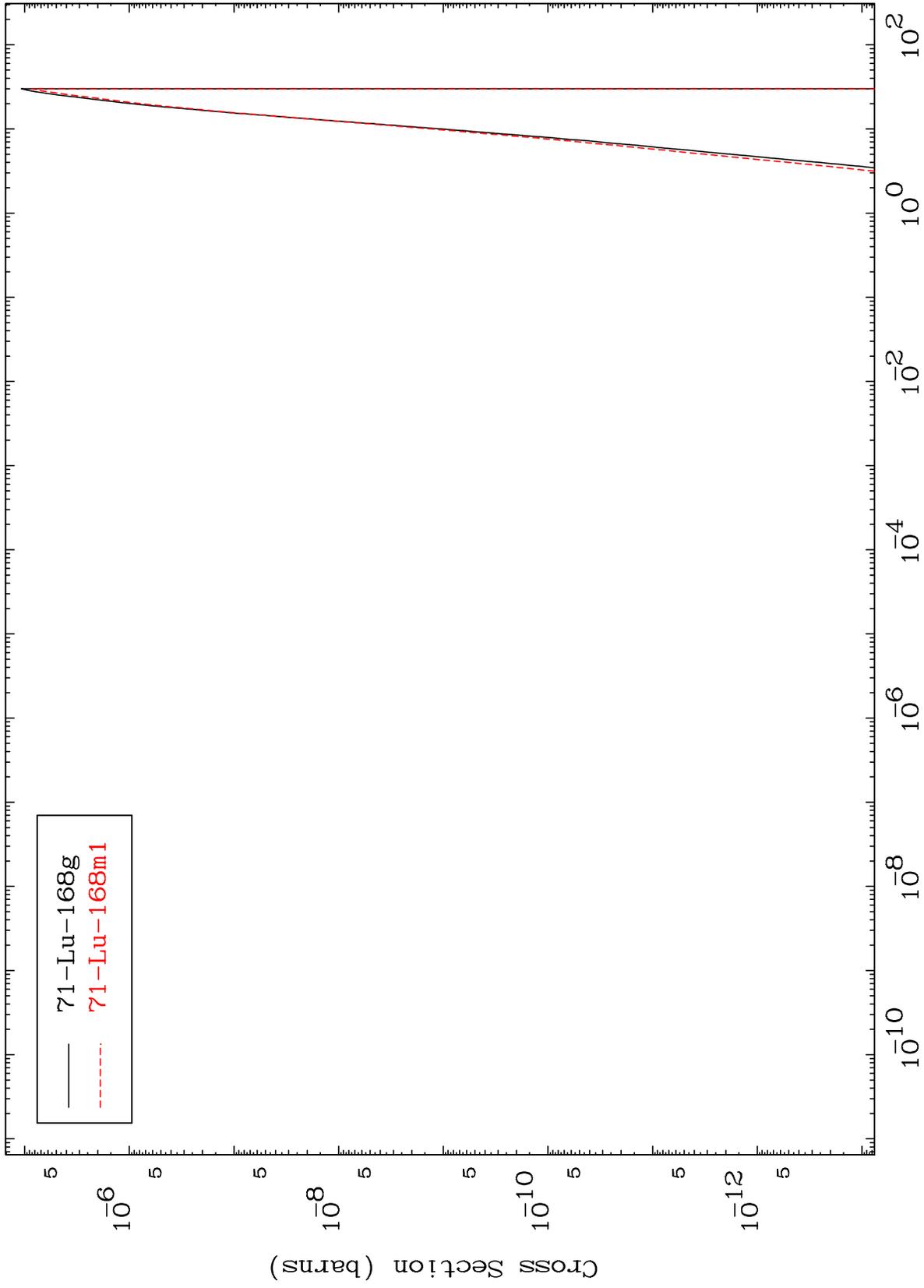
75-Re-175

MAT 7495

(n,2α)

75-Re-175

Radionuclide Production Cross Section



66

Incident Energy (MeV)

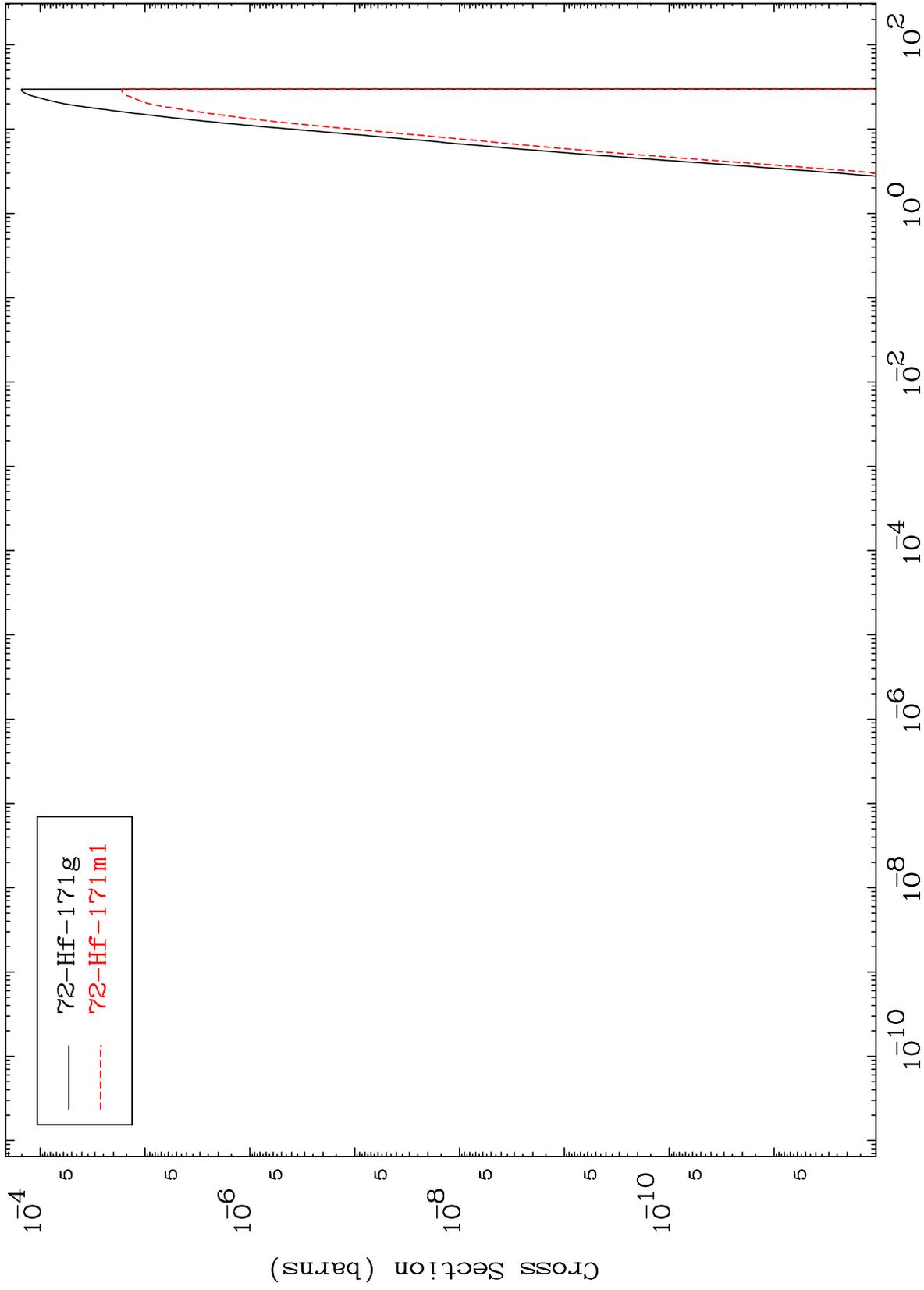
75-Re-175

MAT 7495

(n,p) α

⁷⁵Re-¹⁷⁵

Radionuclide Production Cross Section



67

Incident Energy (MeV)

⁷⁵Re-¹⁷⁵