

Program EVALPLOT
(Version 2018-1)

by

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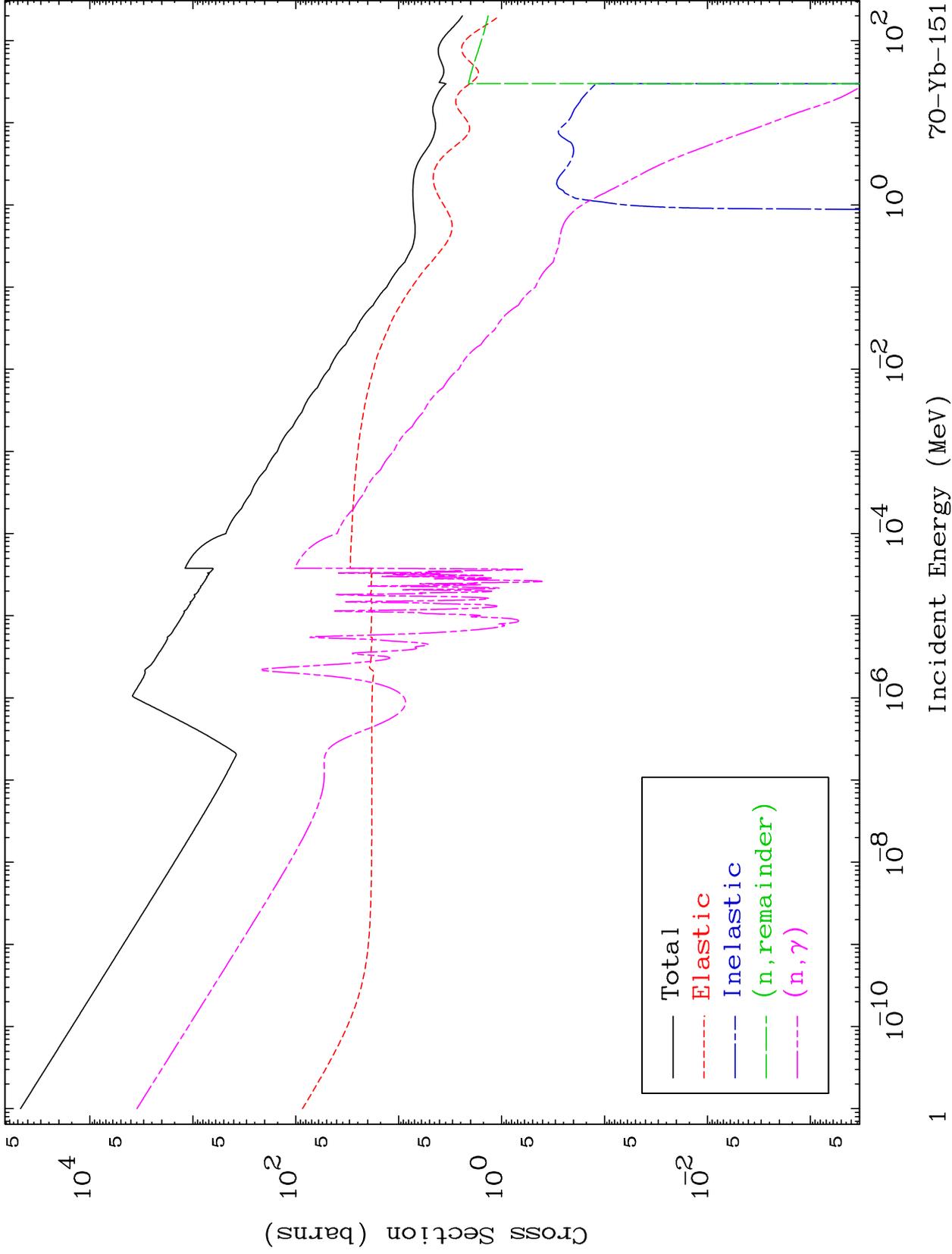
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Press Mouse Button to Start

MAT 6974

Major
293 Kelvin Cross Sections

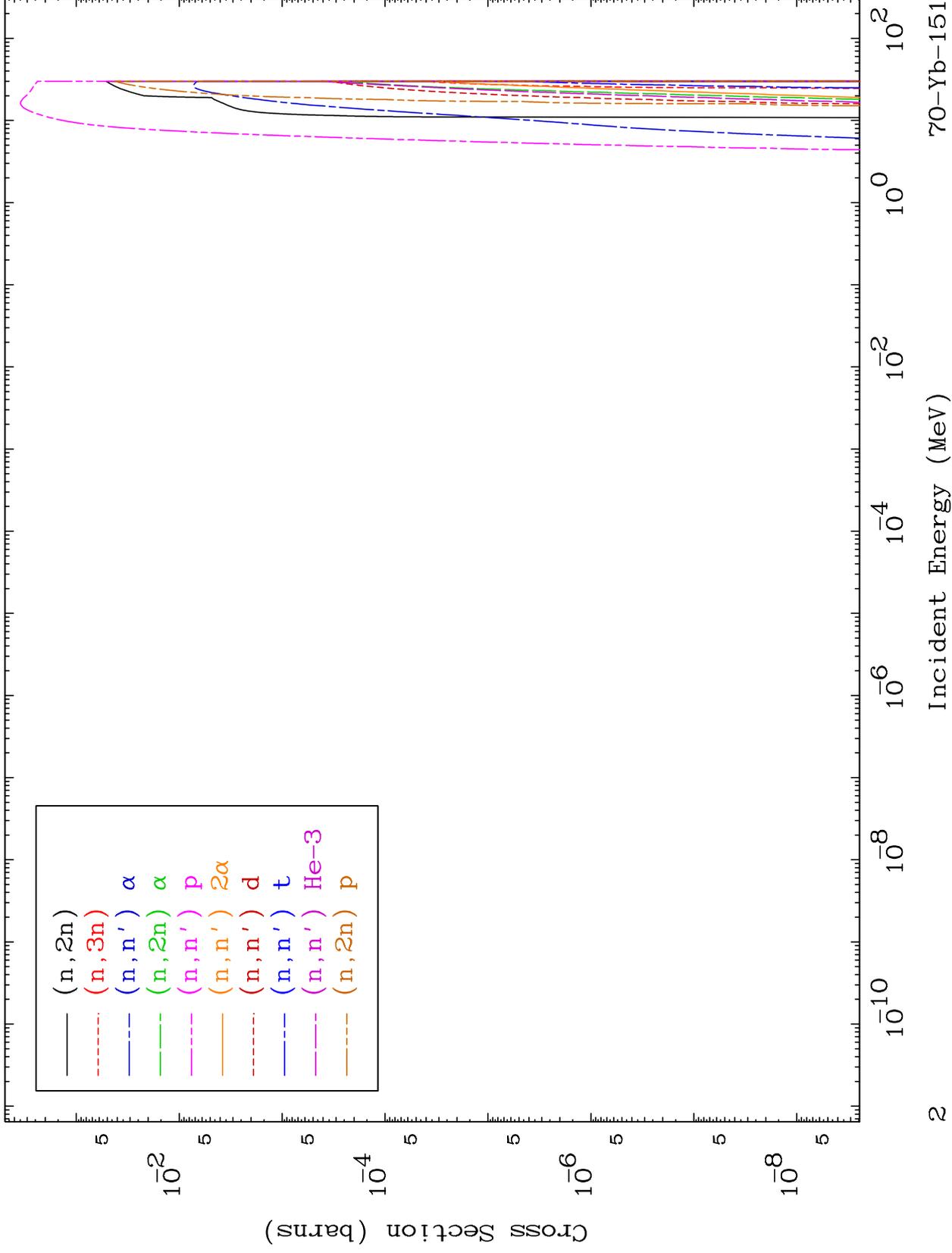
70-Yb-151



MAT 6974

Neutron Production
293 Kelvin Cross Sections

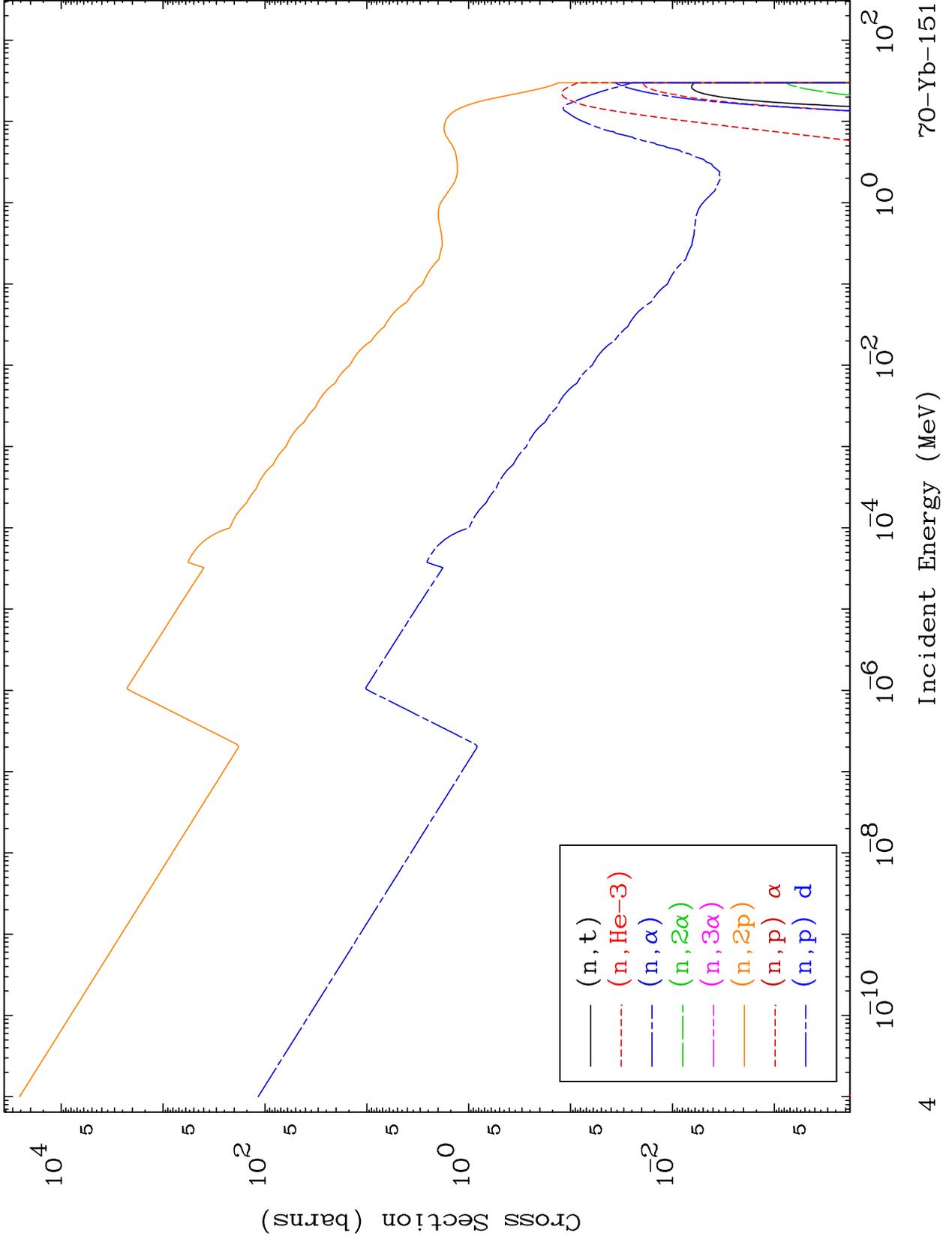
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MAT 6974

Charged Particle
293 Kelvin Cross Sections

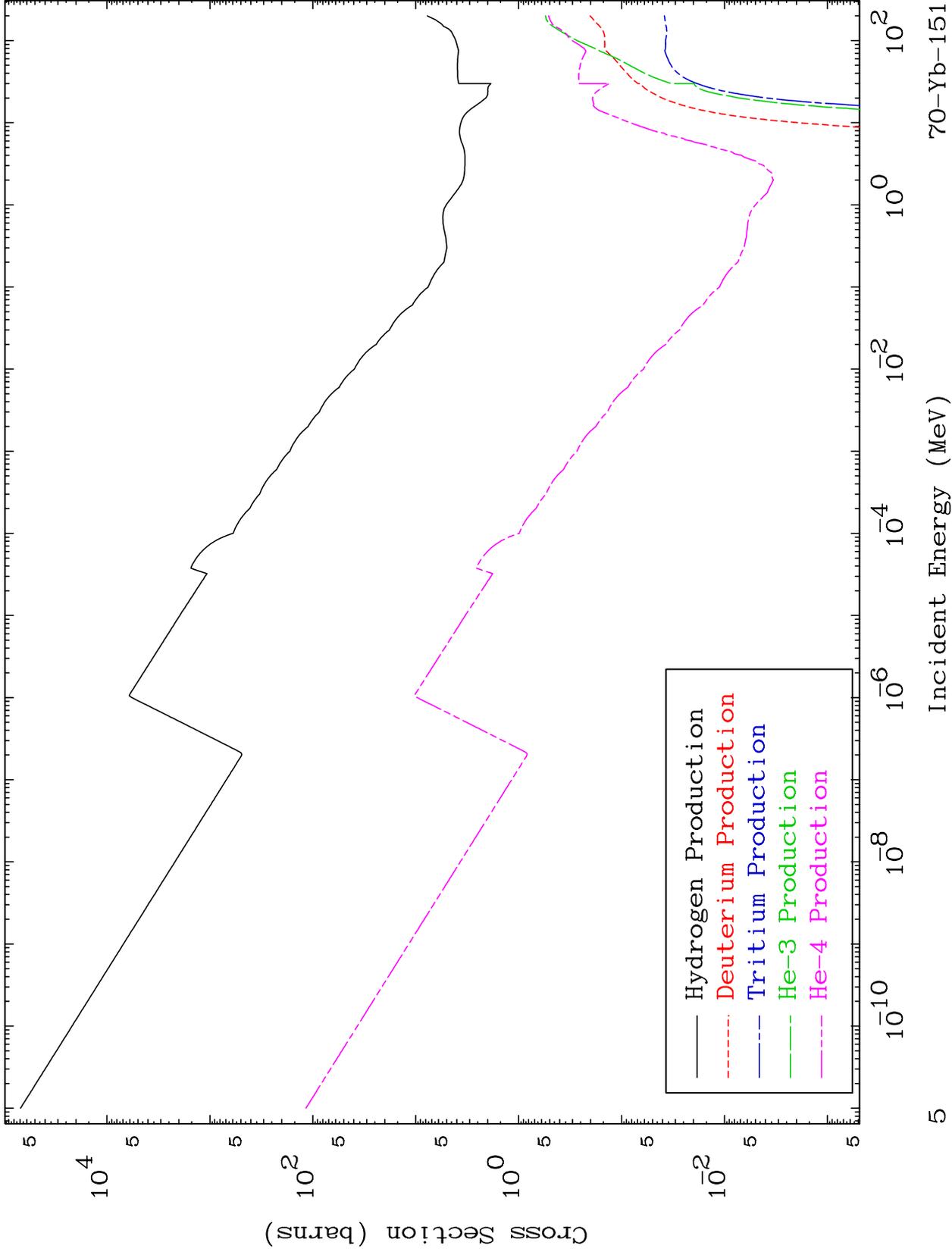
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MAT 6974

Particle Production
293 Kelvin Cross Sections

70-Yb-151



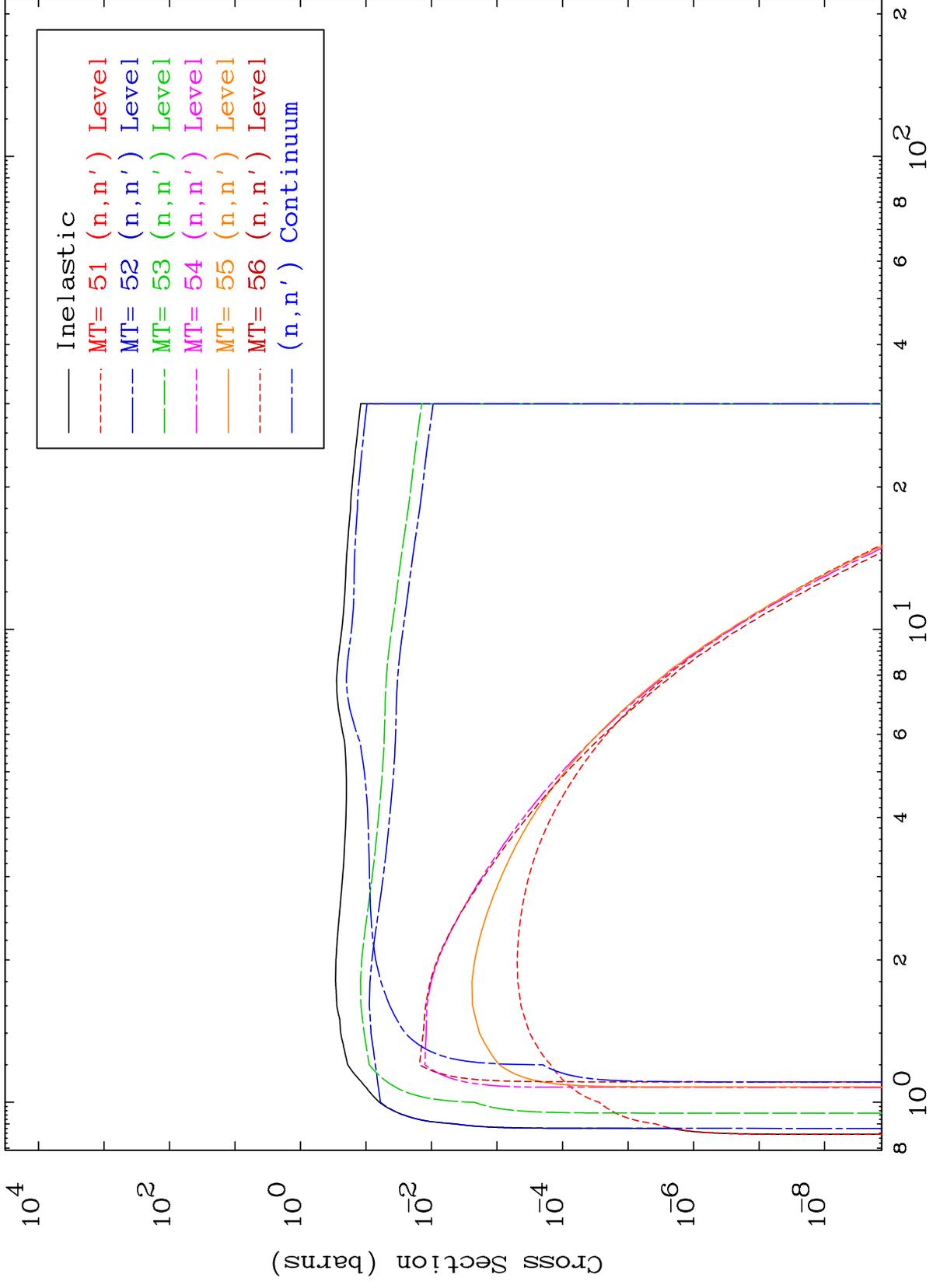
5

MAT 6974

(n,n') Level

70-Yb-151

293 Kelvin Cross Sections



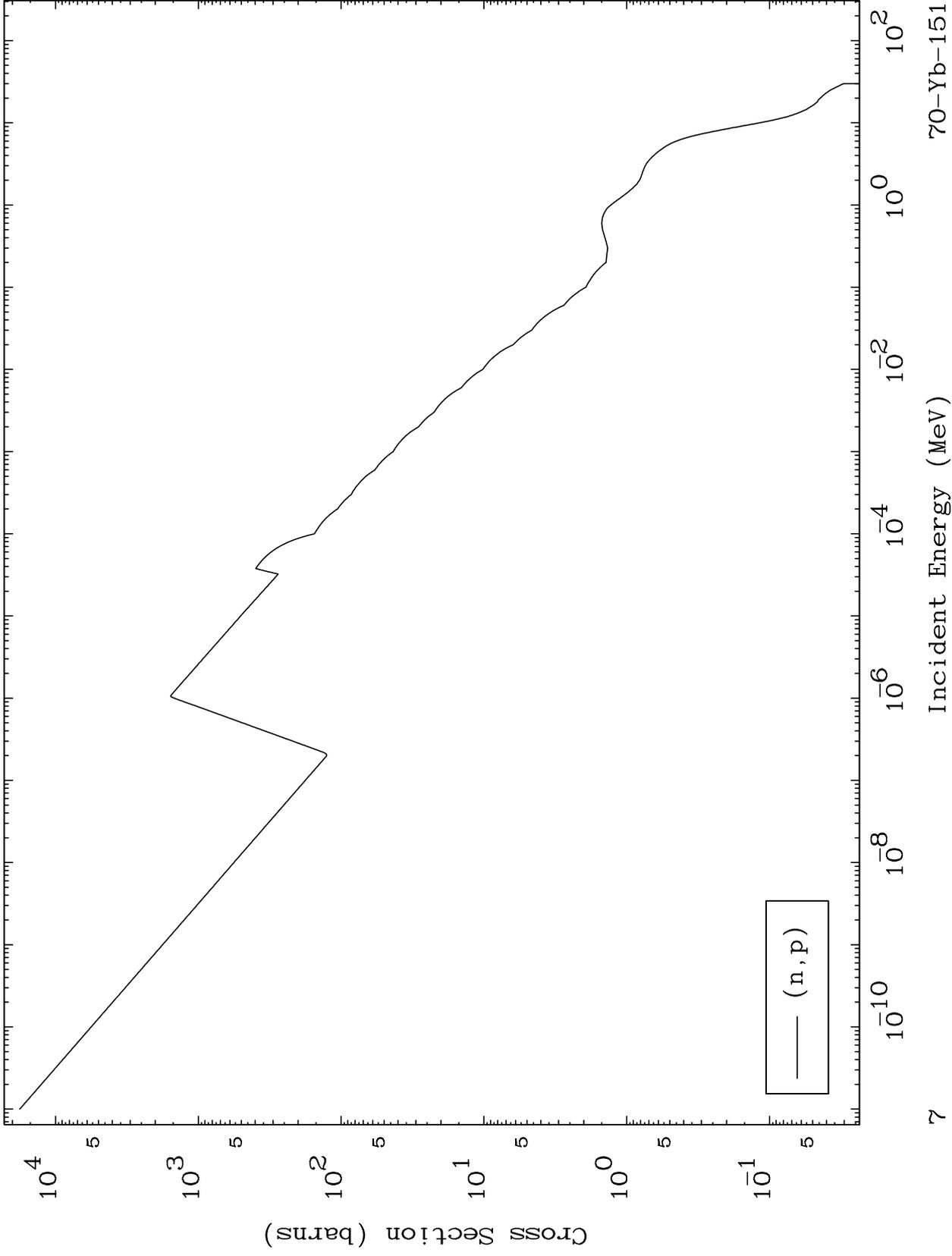
Incident Energy (MeV)

70-Yb-151

MAT 6974

(n,p) Levels
293 Kelvin Cross Sections

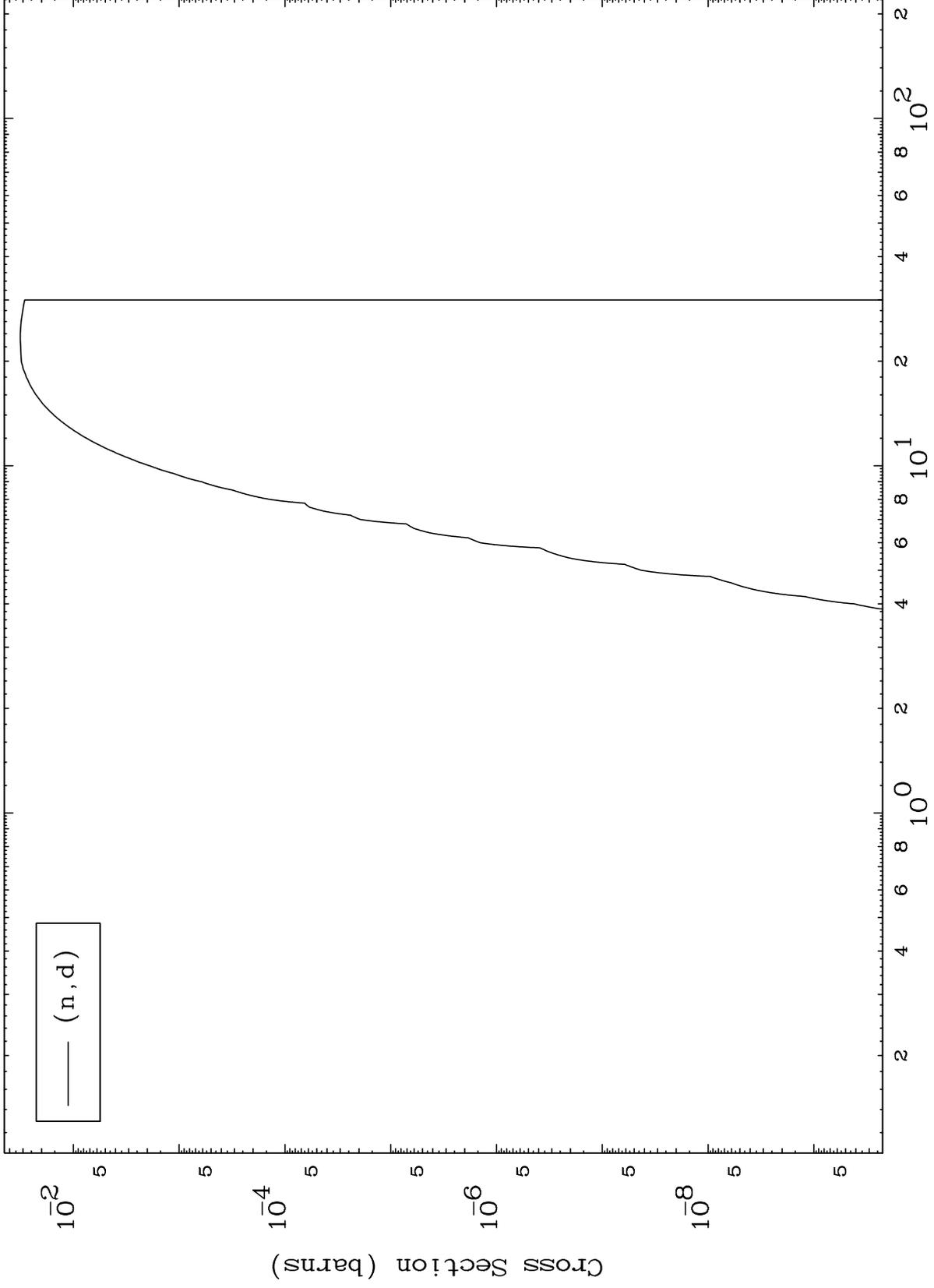
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MAT 6974

(n,d) Levels
293 Kelvin Cross Sections

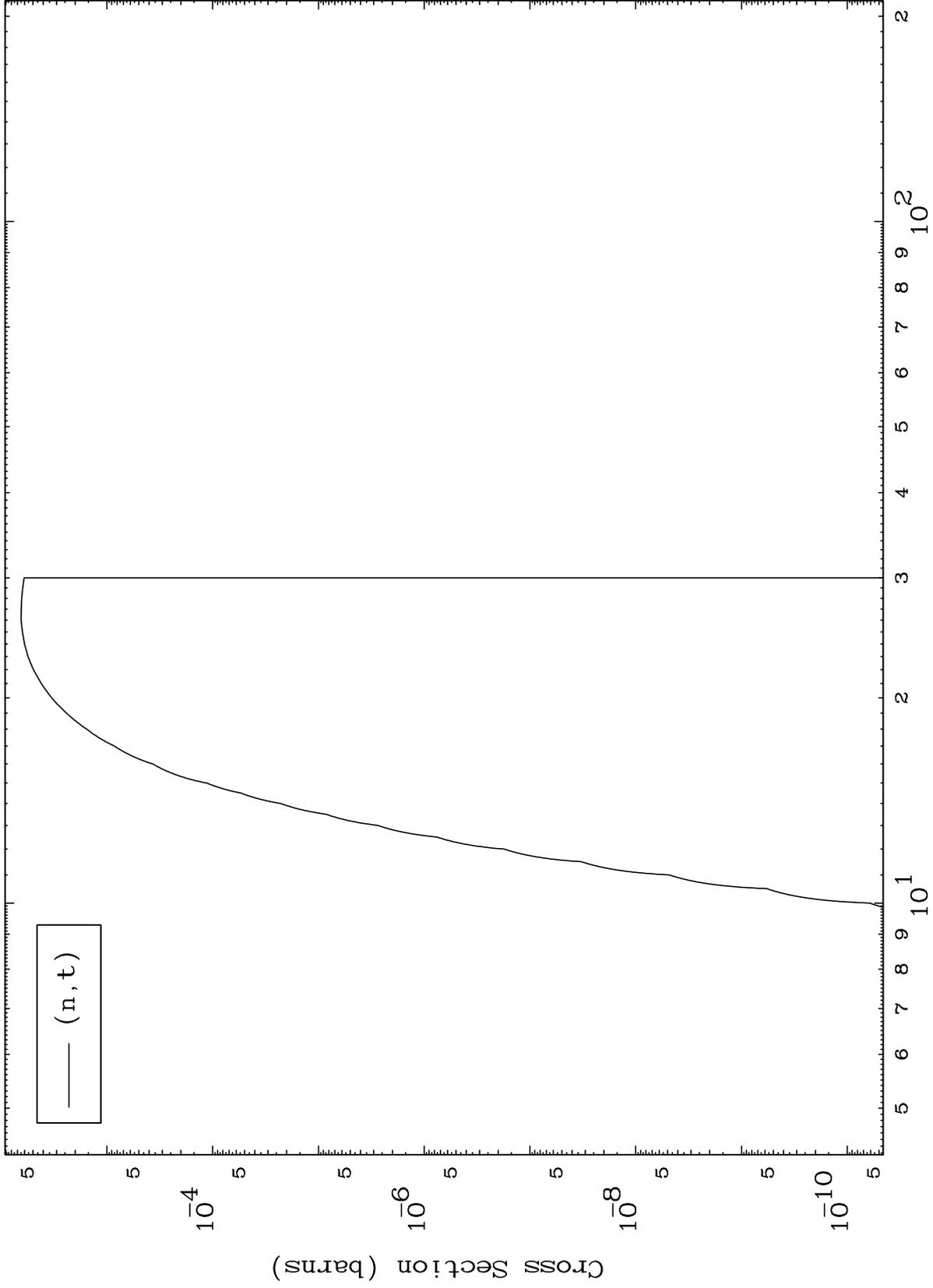
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MAT 6974

(n,t) Levels
293 Kelvin Cross Sections

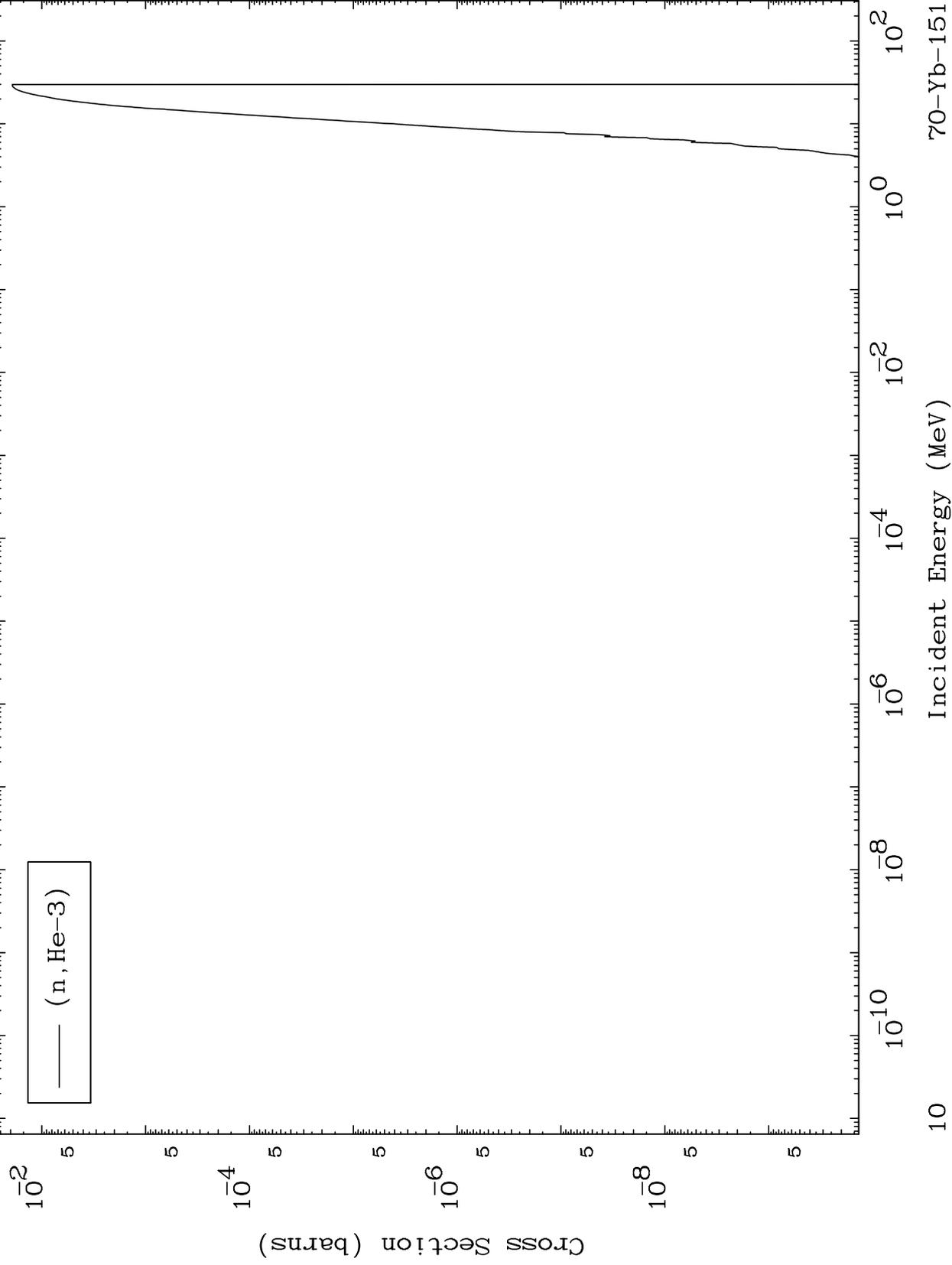
70-Yb-151



MAT 6974

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-151



10

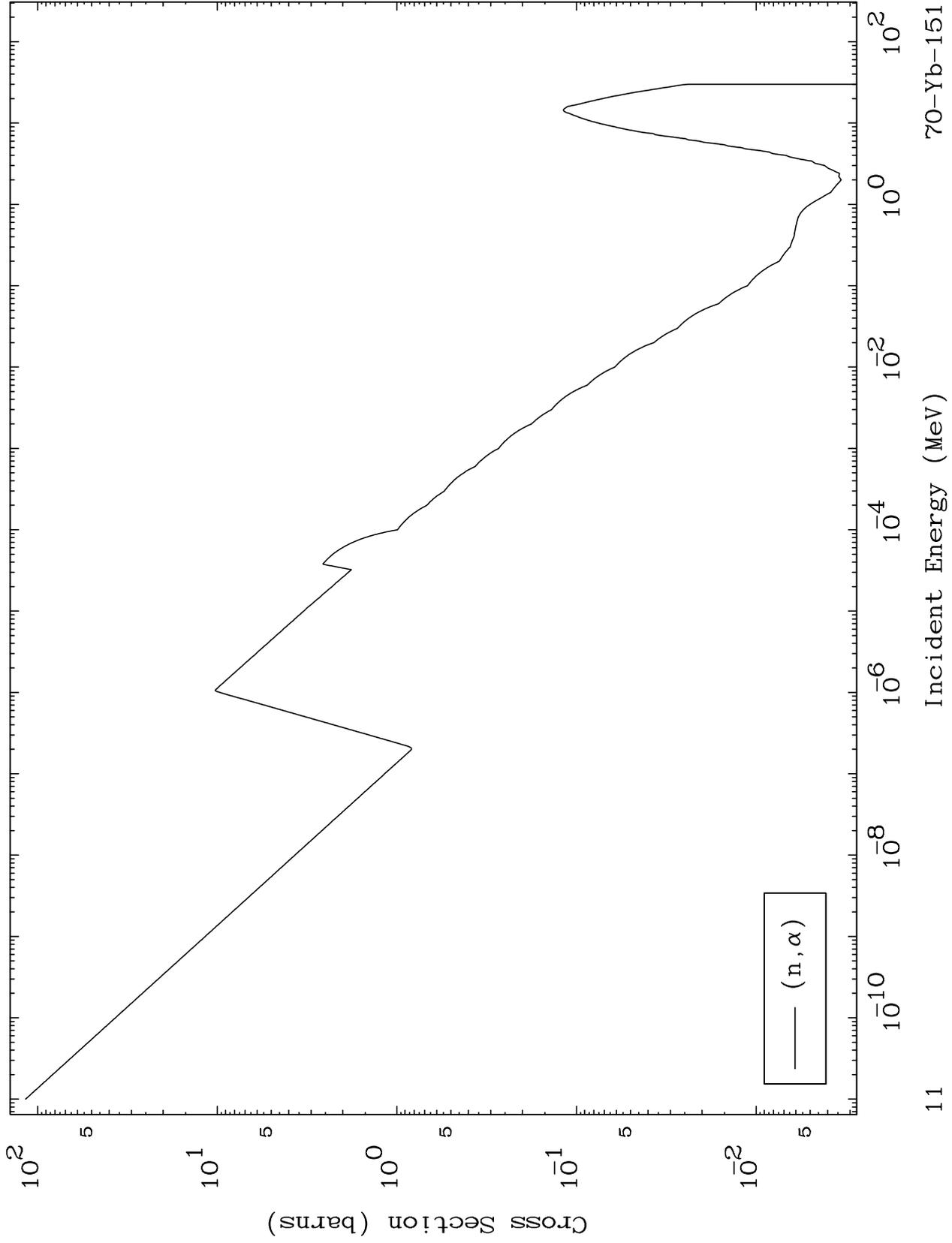
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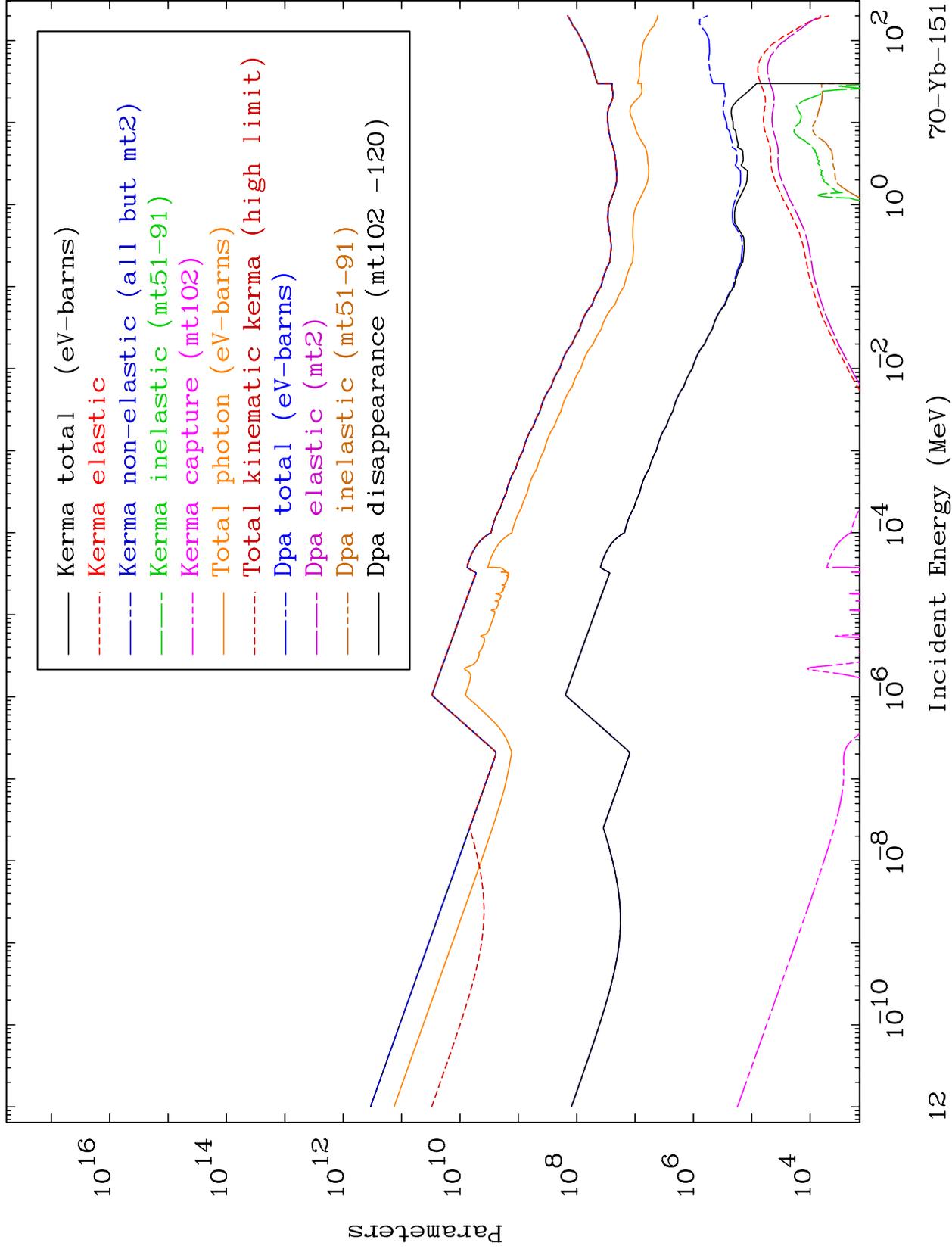
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MAT 6974

(n,α) Levels
293 Kelvin Cross Sections

70-Yb-151

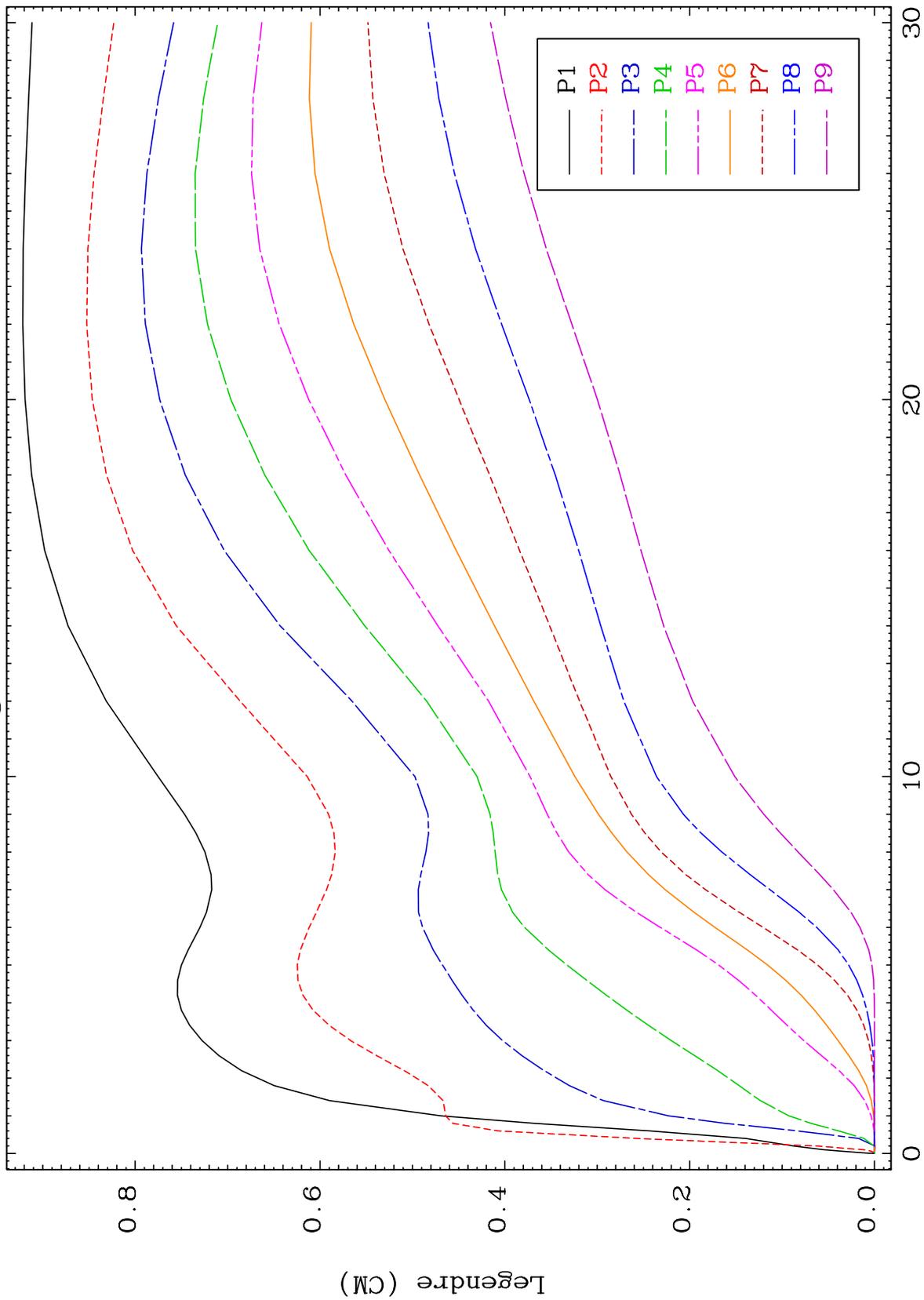




MAT 6974

Elastic Legendre Coefficients

70-Yb-151



13

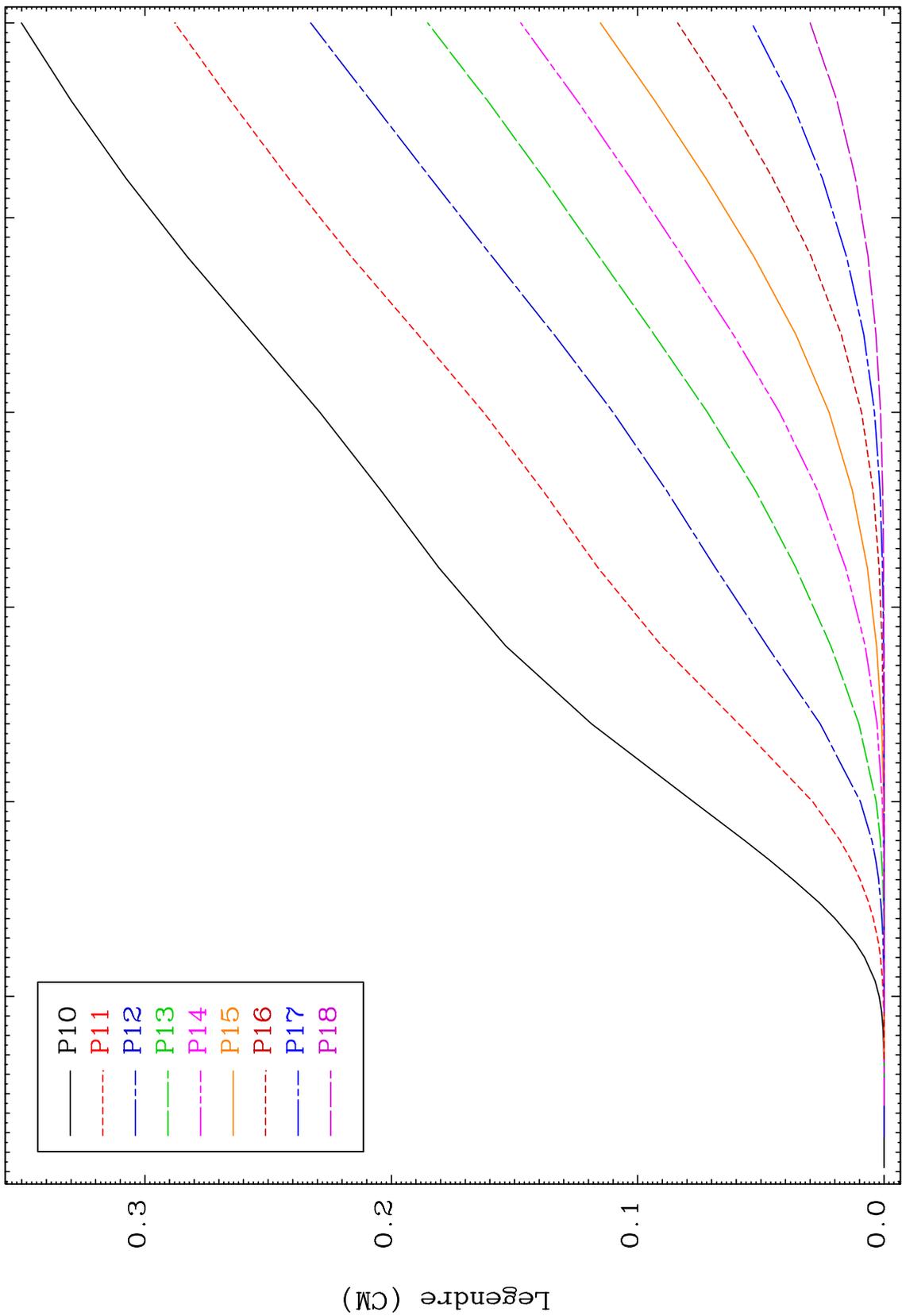
Incident Energy (MeV)

70-Yb-151

MAT 6974

Elastic Legendre Coefficients

70-Yb-151



14

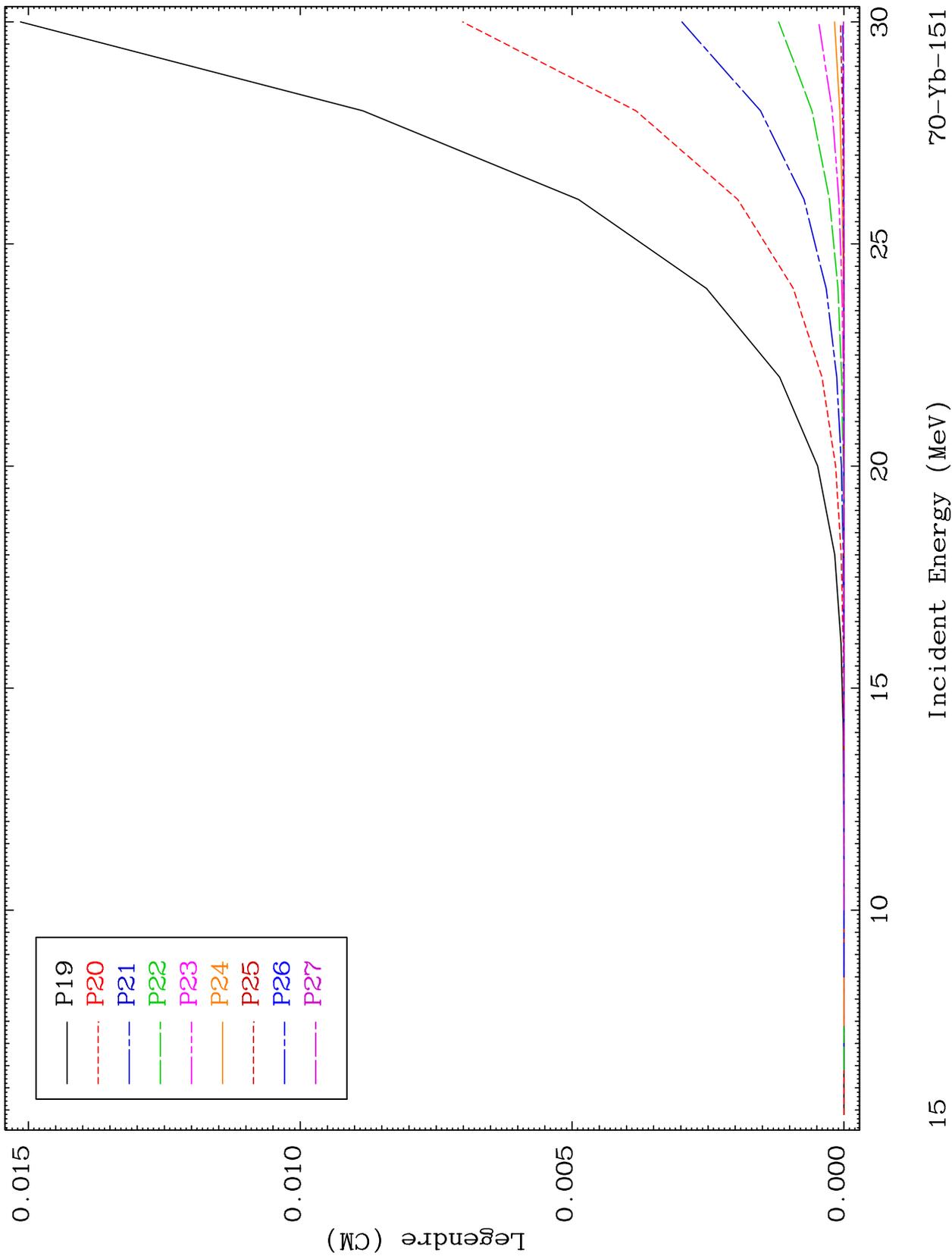
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Incident Energy (MeV)

MAT 6974

Elastic Legendre Coefficients

70-Yb-151



15

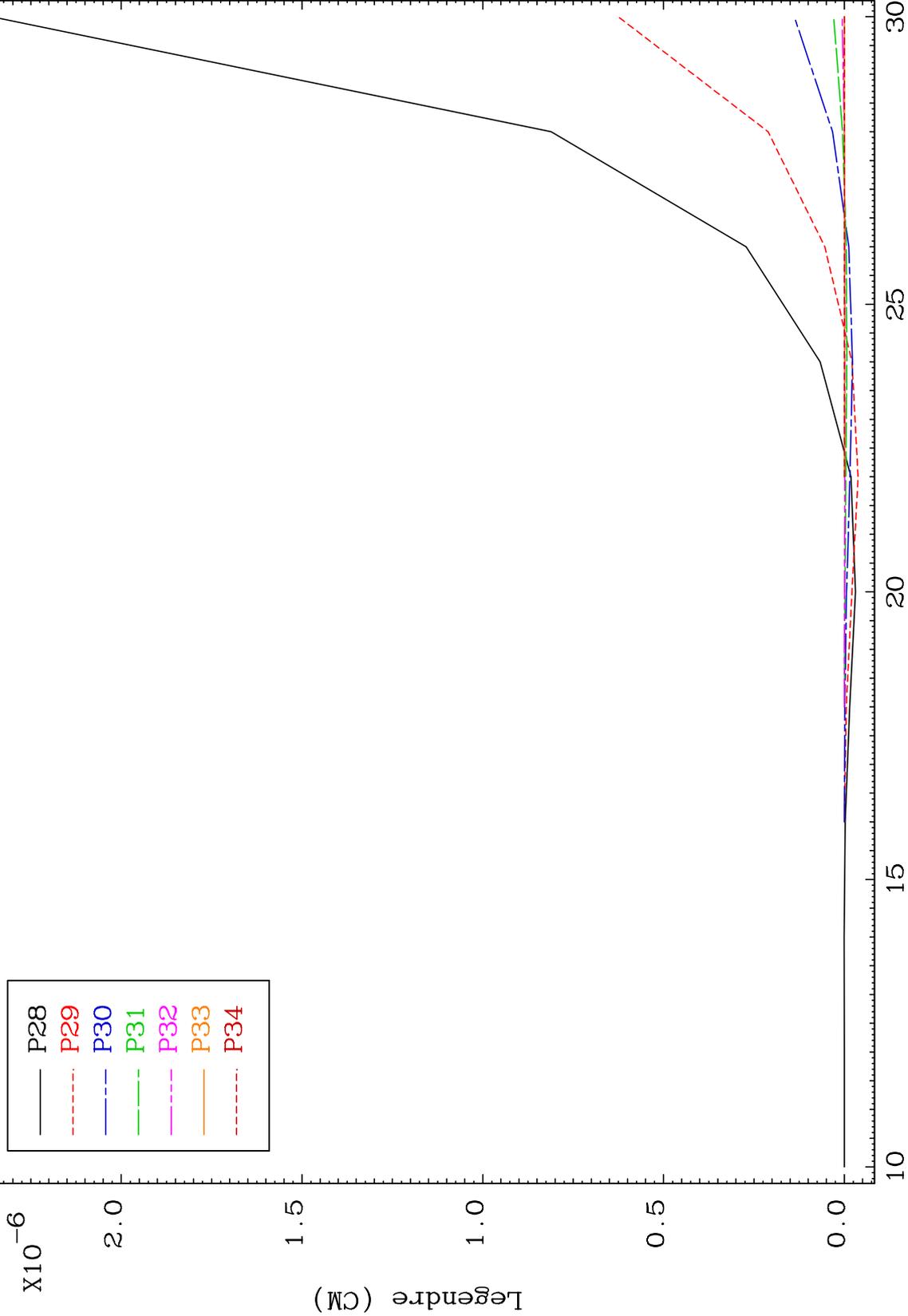
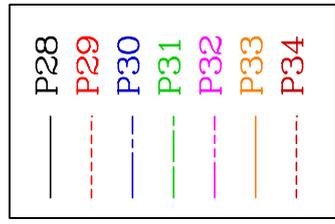
Incident Energy (MeV)

70-Yb-151

MAT 6974

Elastic
Legendre Coefficients

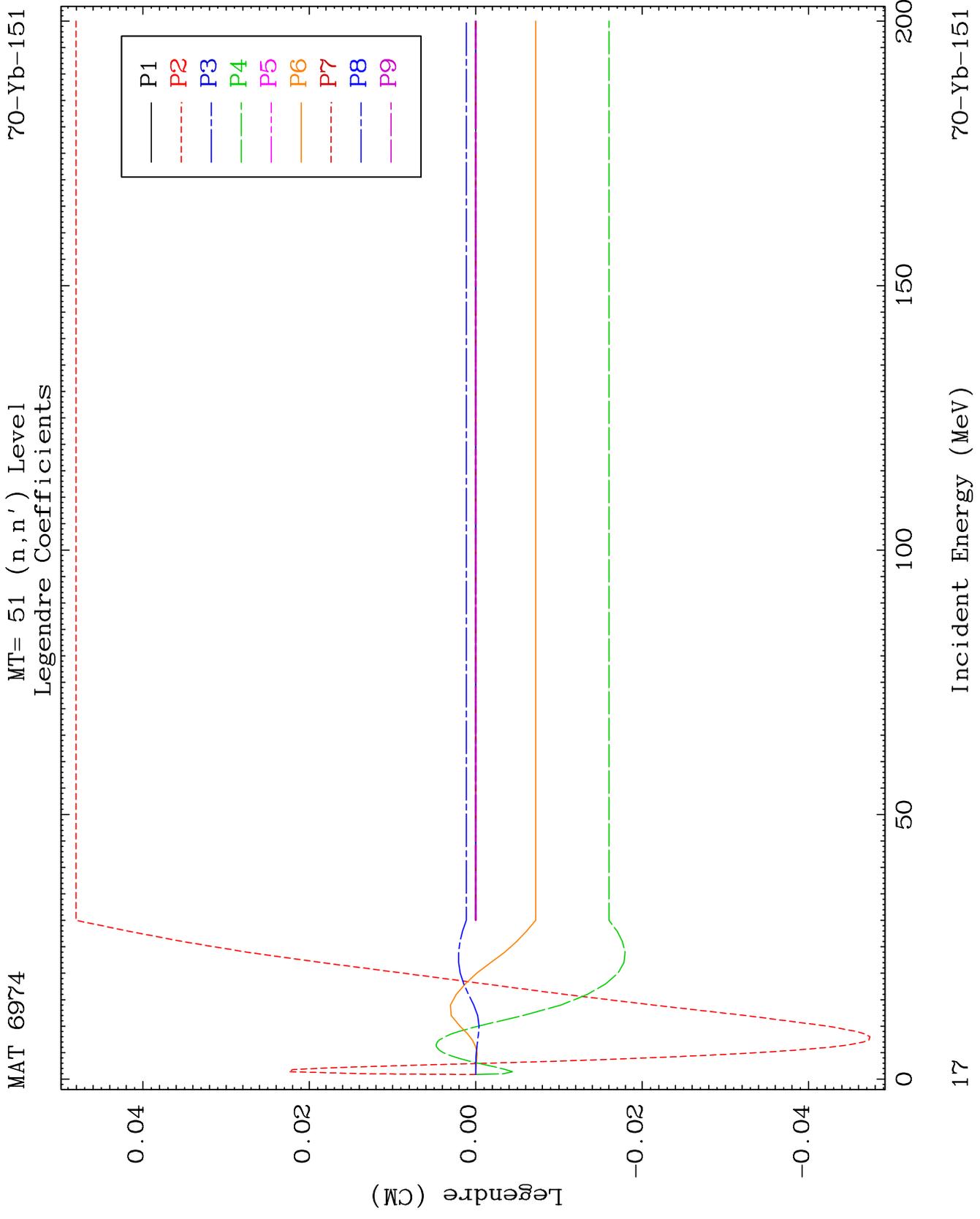
70-Yb-151



16

Incident Energy (MeV)

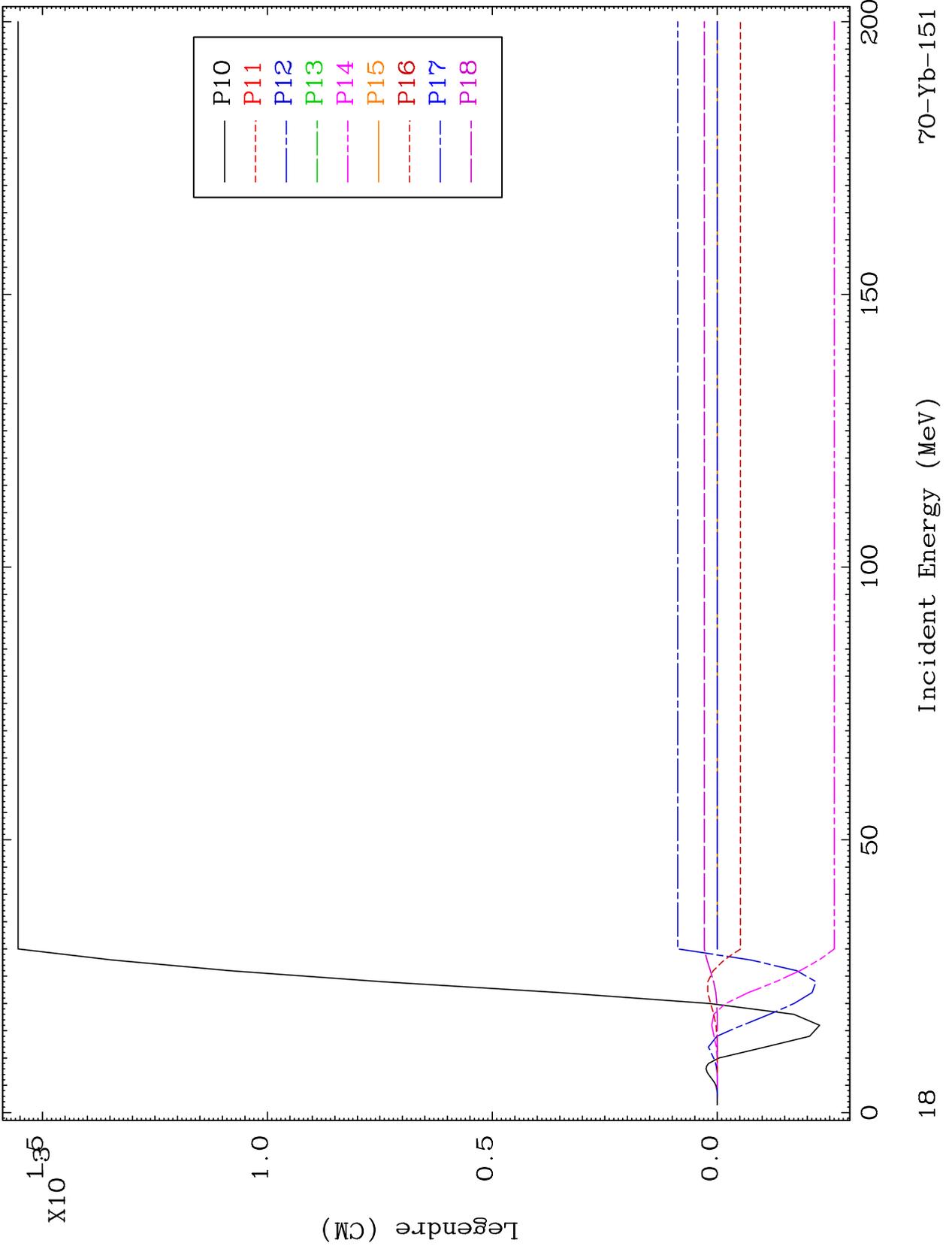
70-Yb-151



MAT 6974

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

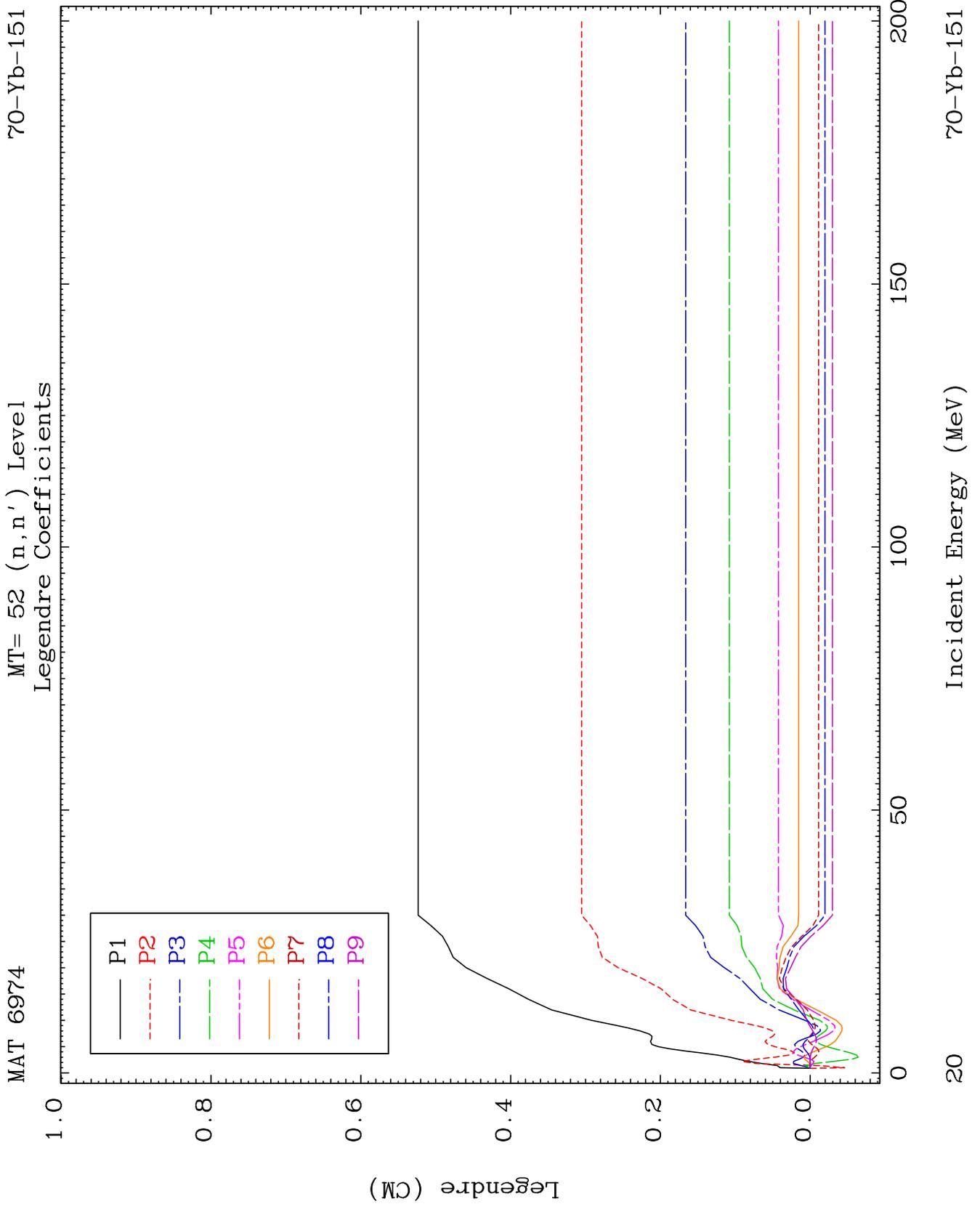
70-Yb-151



18

Incident Energy (MeV)

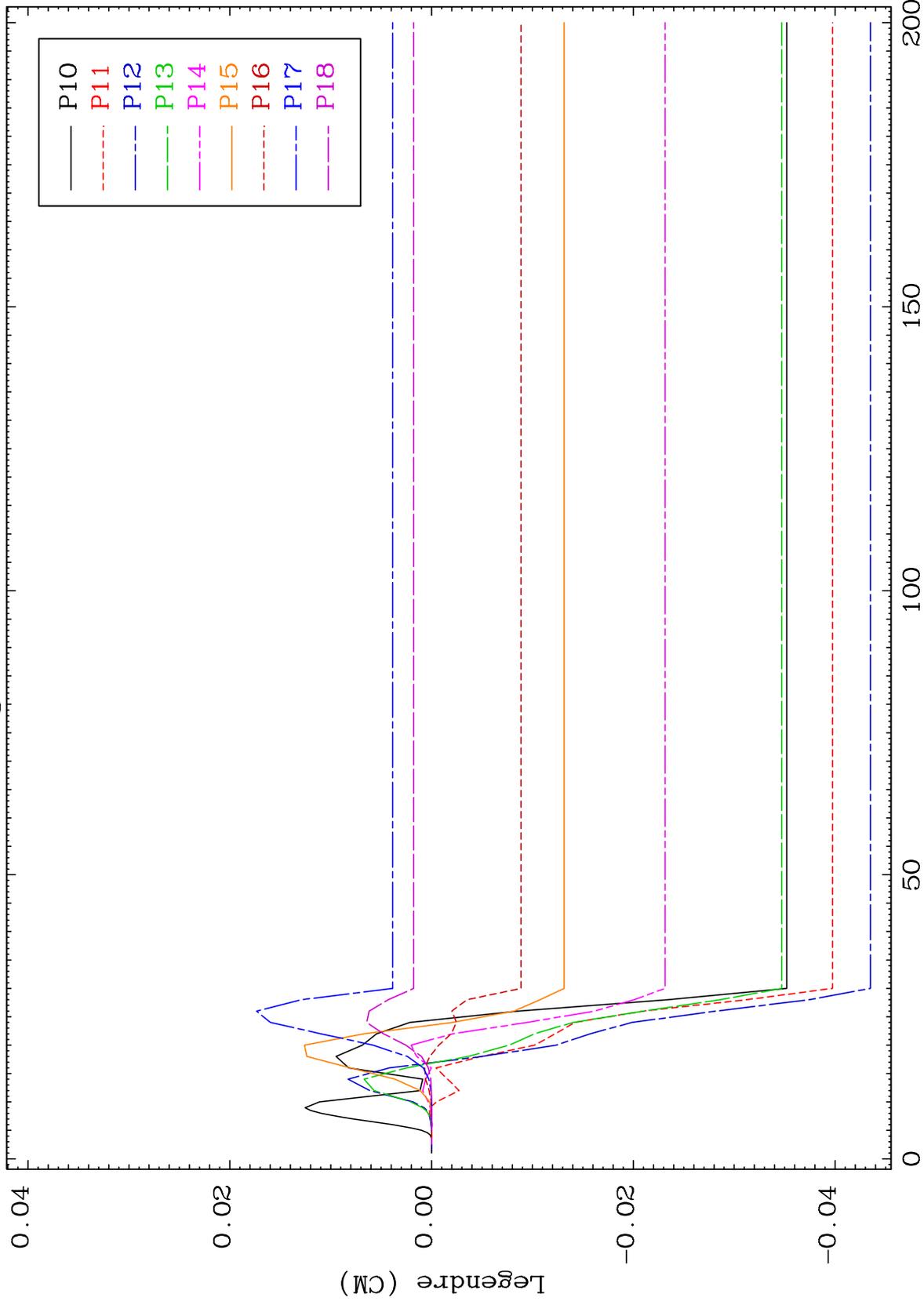
70-Yb-151



MAT 6974

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

70-Yb-151



21

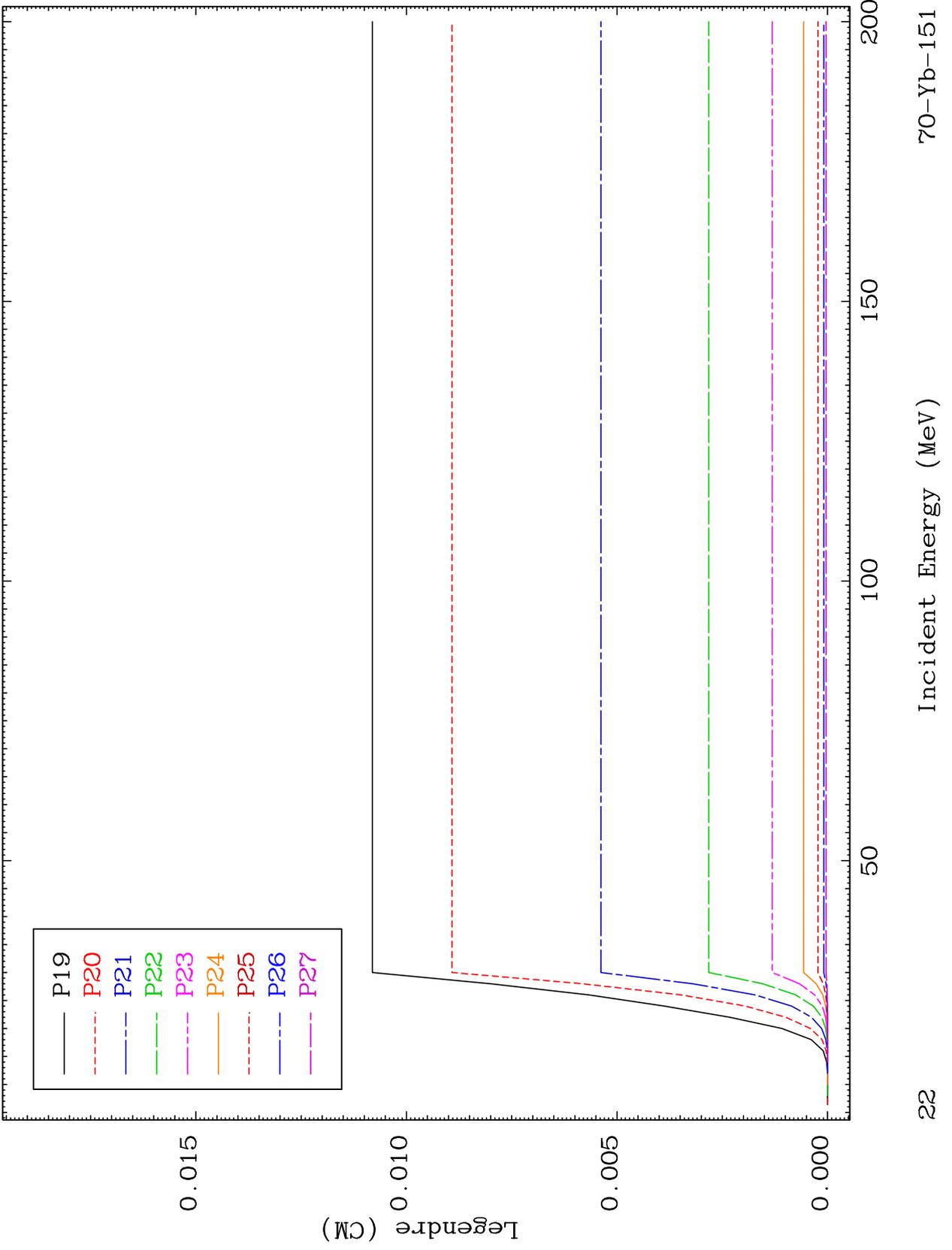
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



22

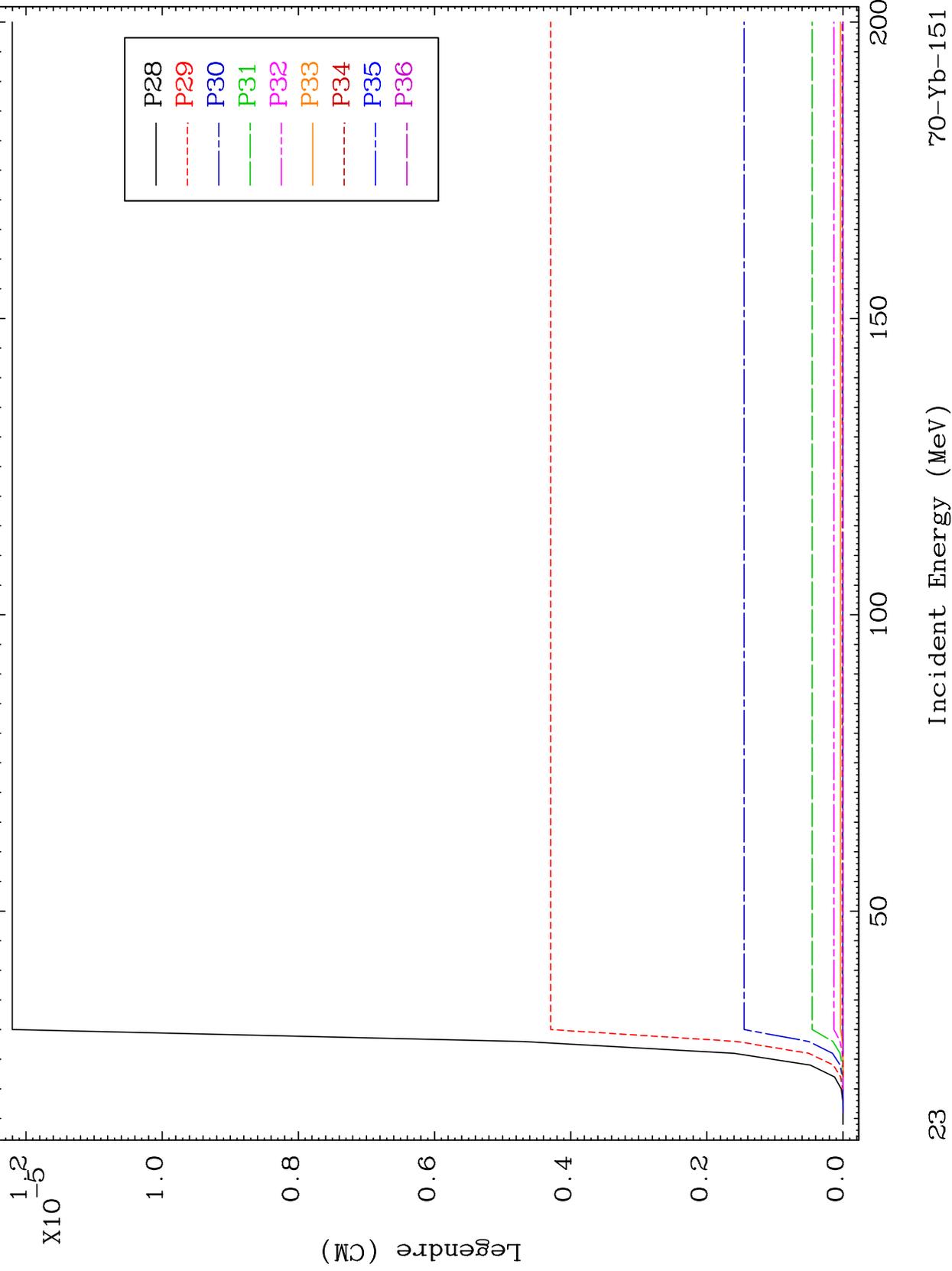
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151

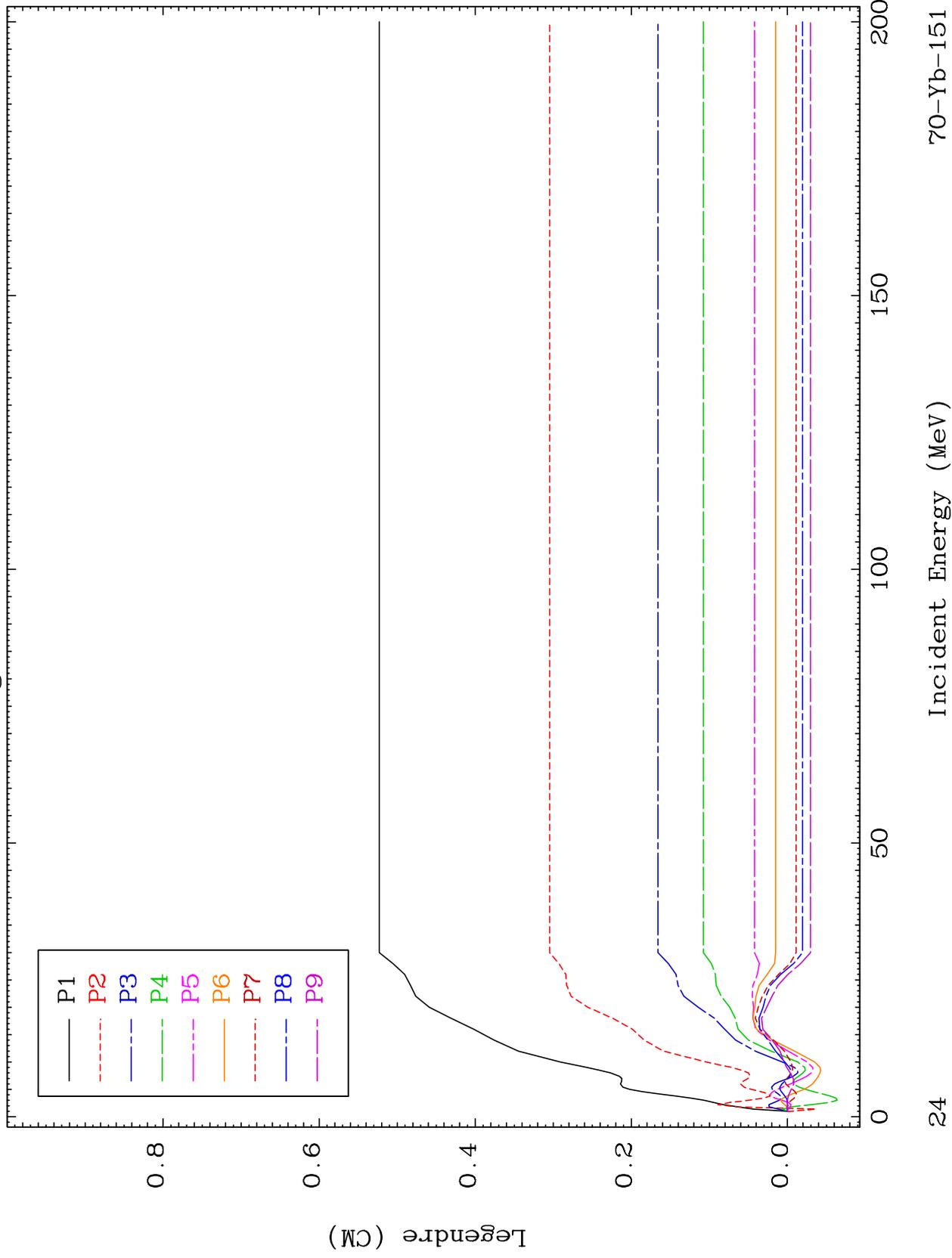


23

MAT 6974

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

70-Yb-151



24

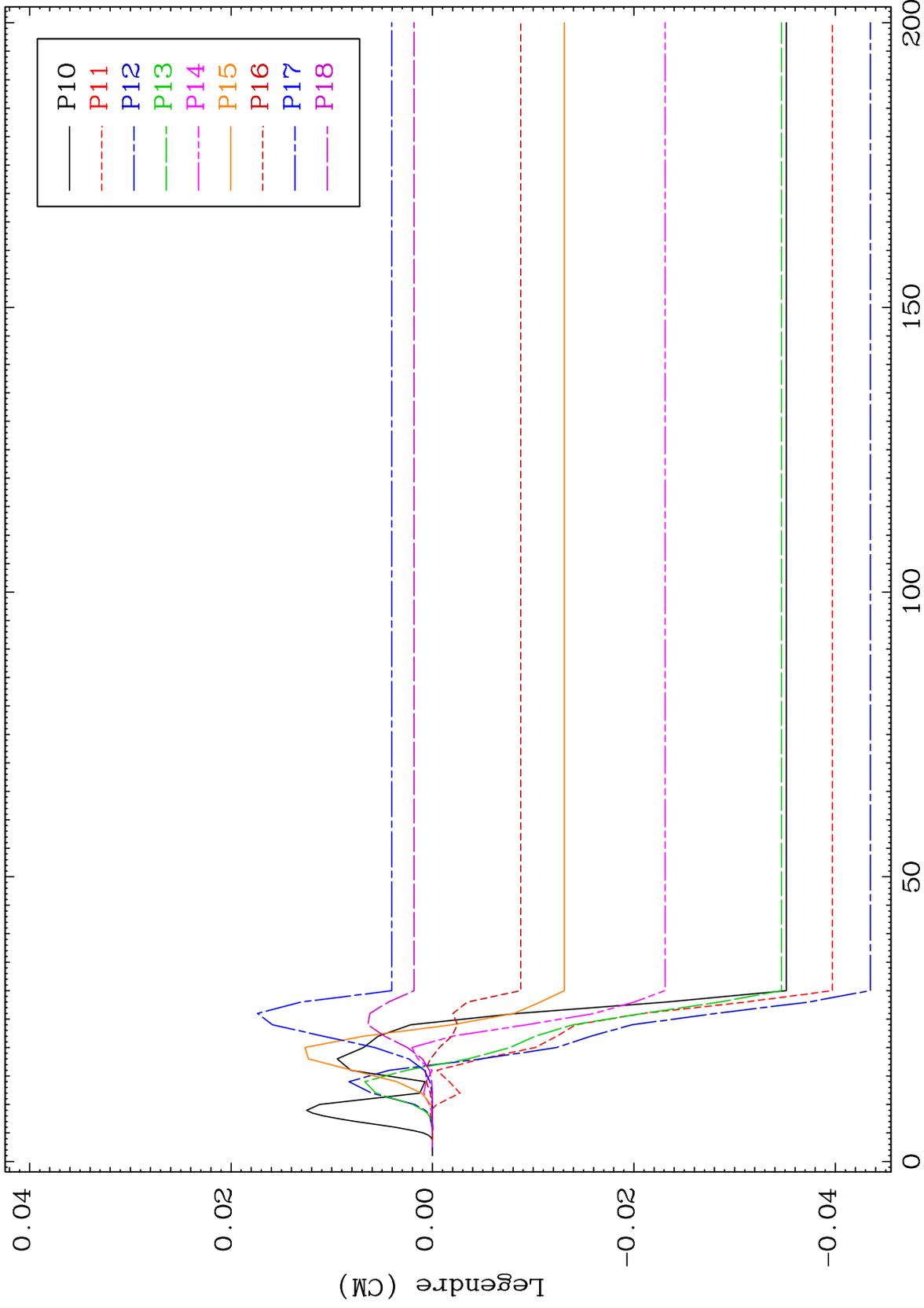
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



25

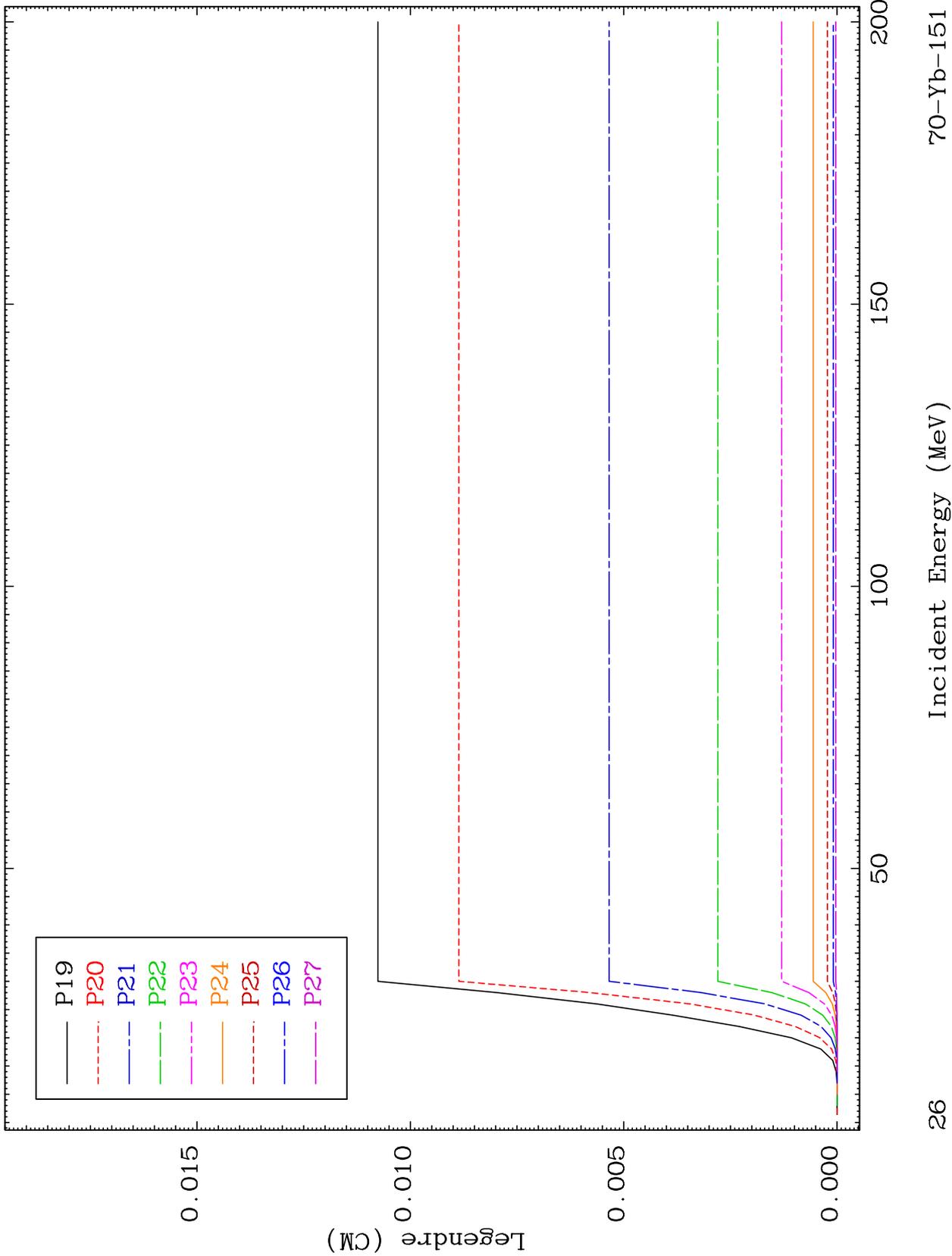
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

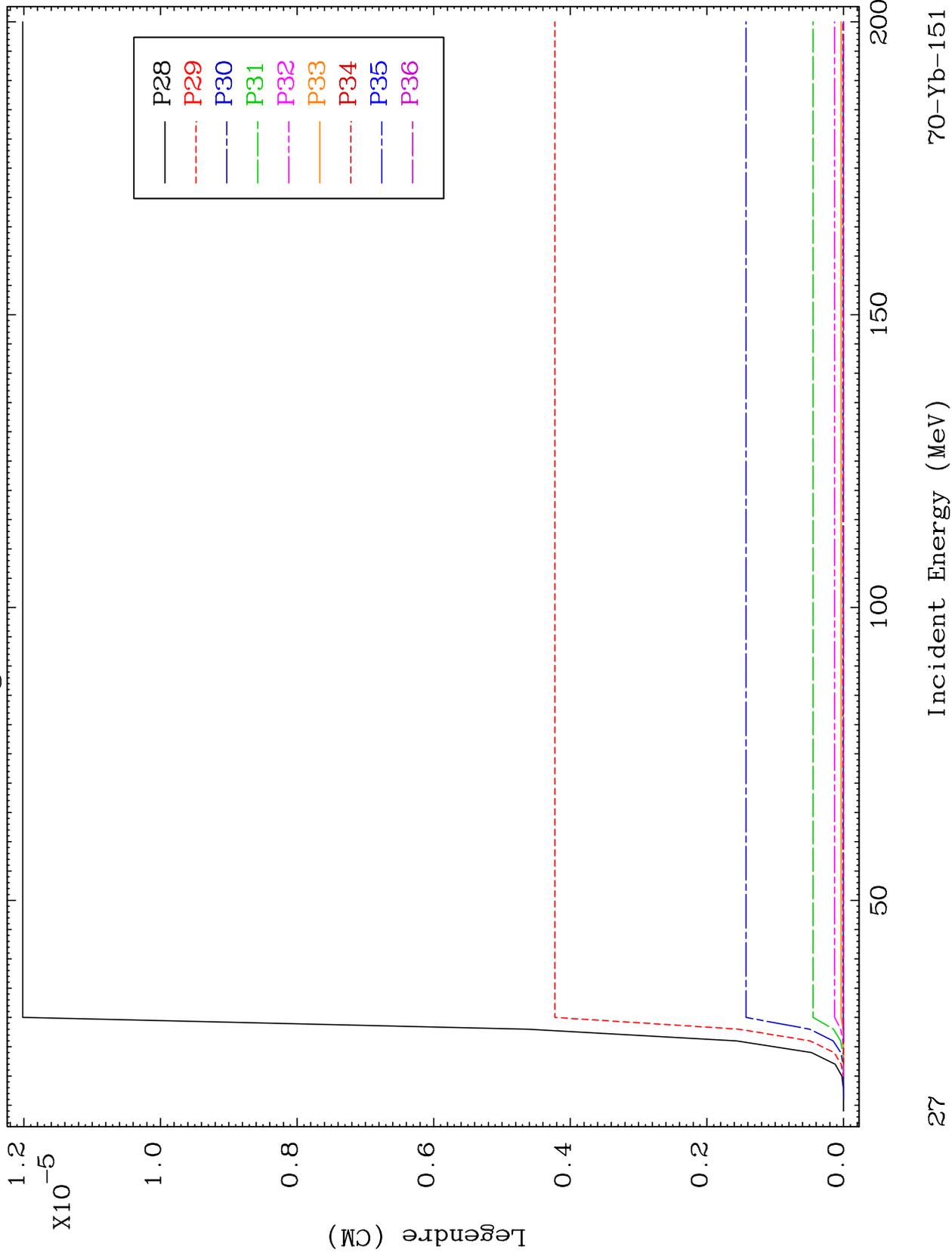
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MAT 6974

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

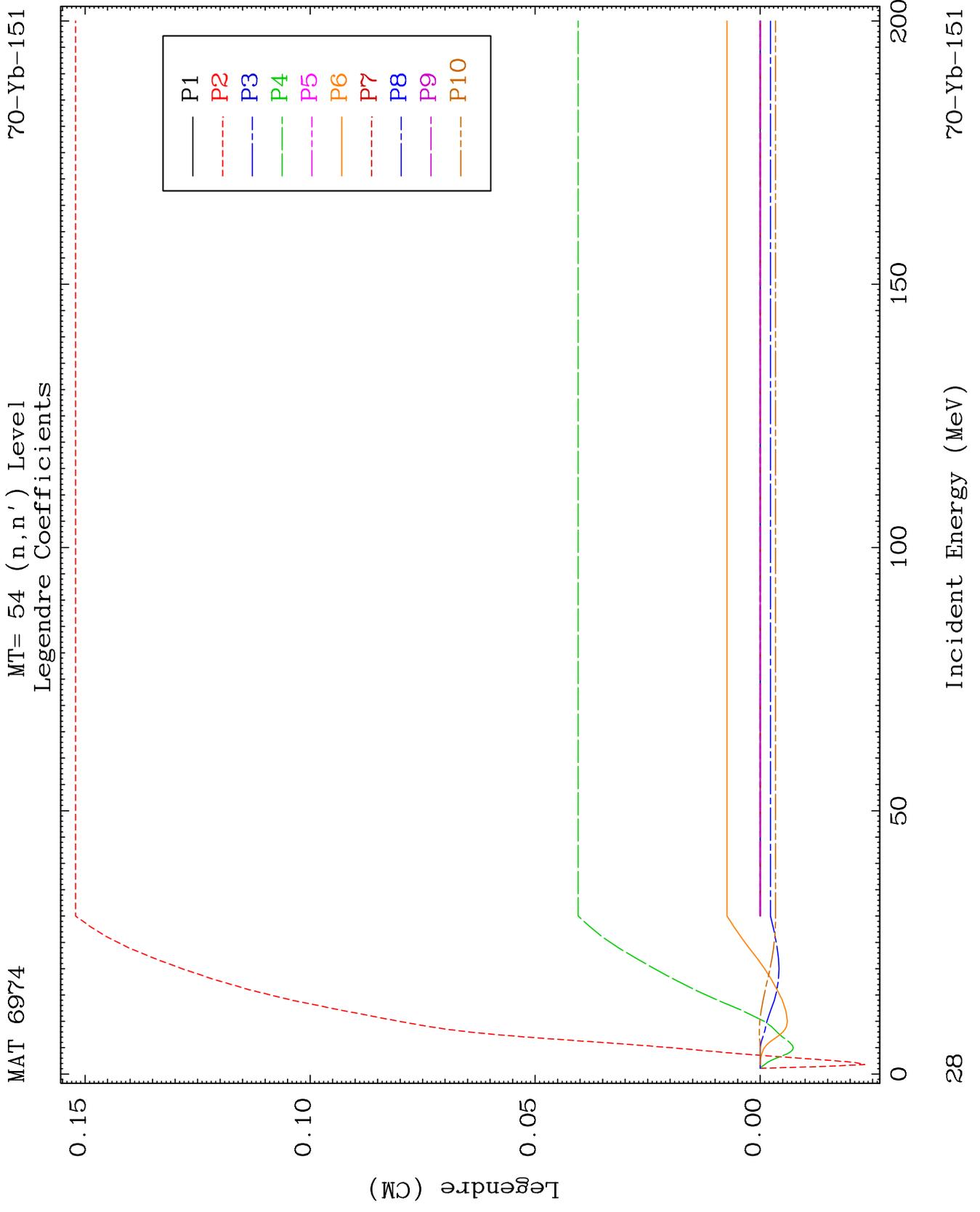
70-Yb-151



27

Incident Energy (MeV)

70-Yb-151

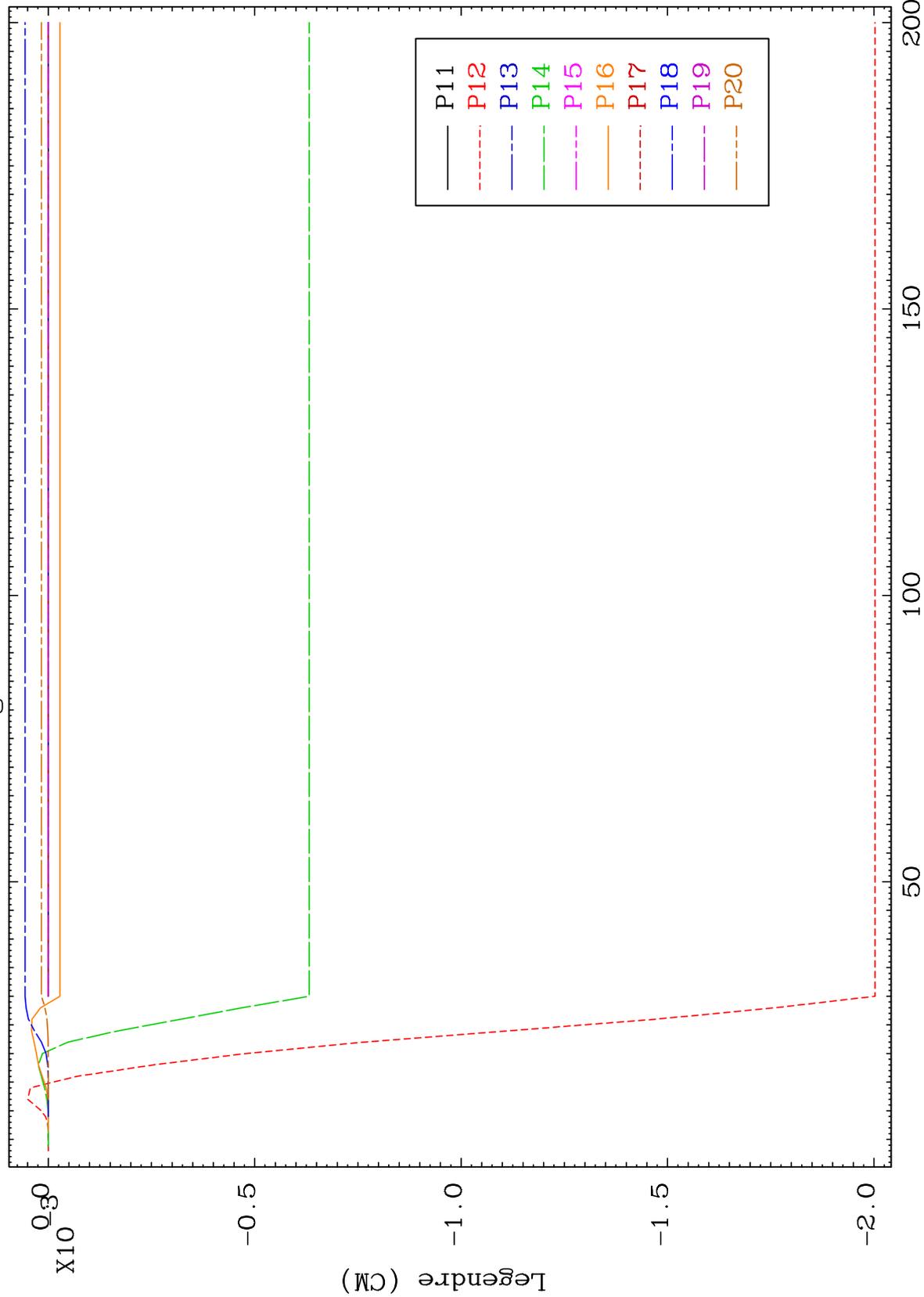


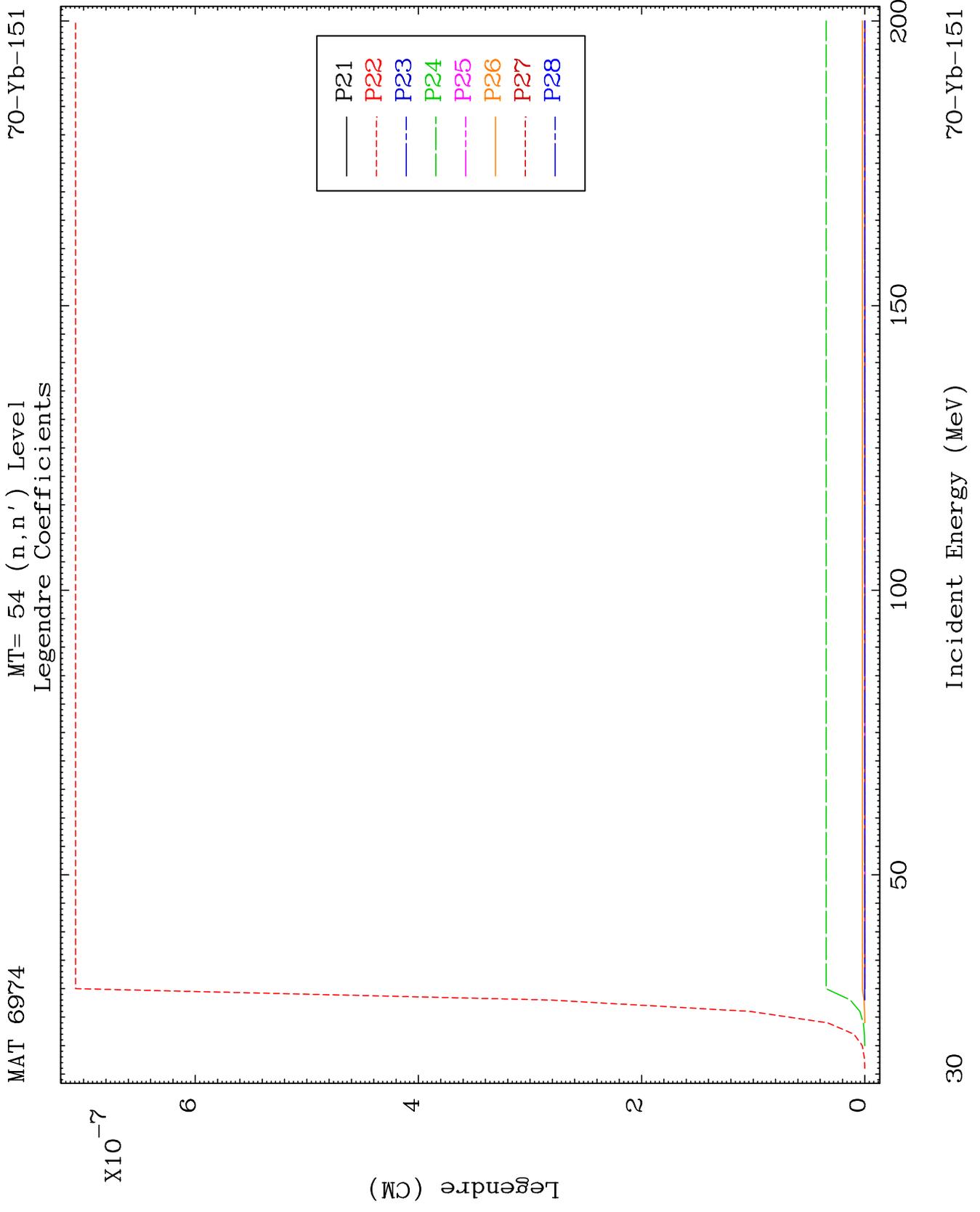
MAT 6974

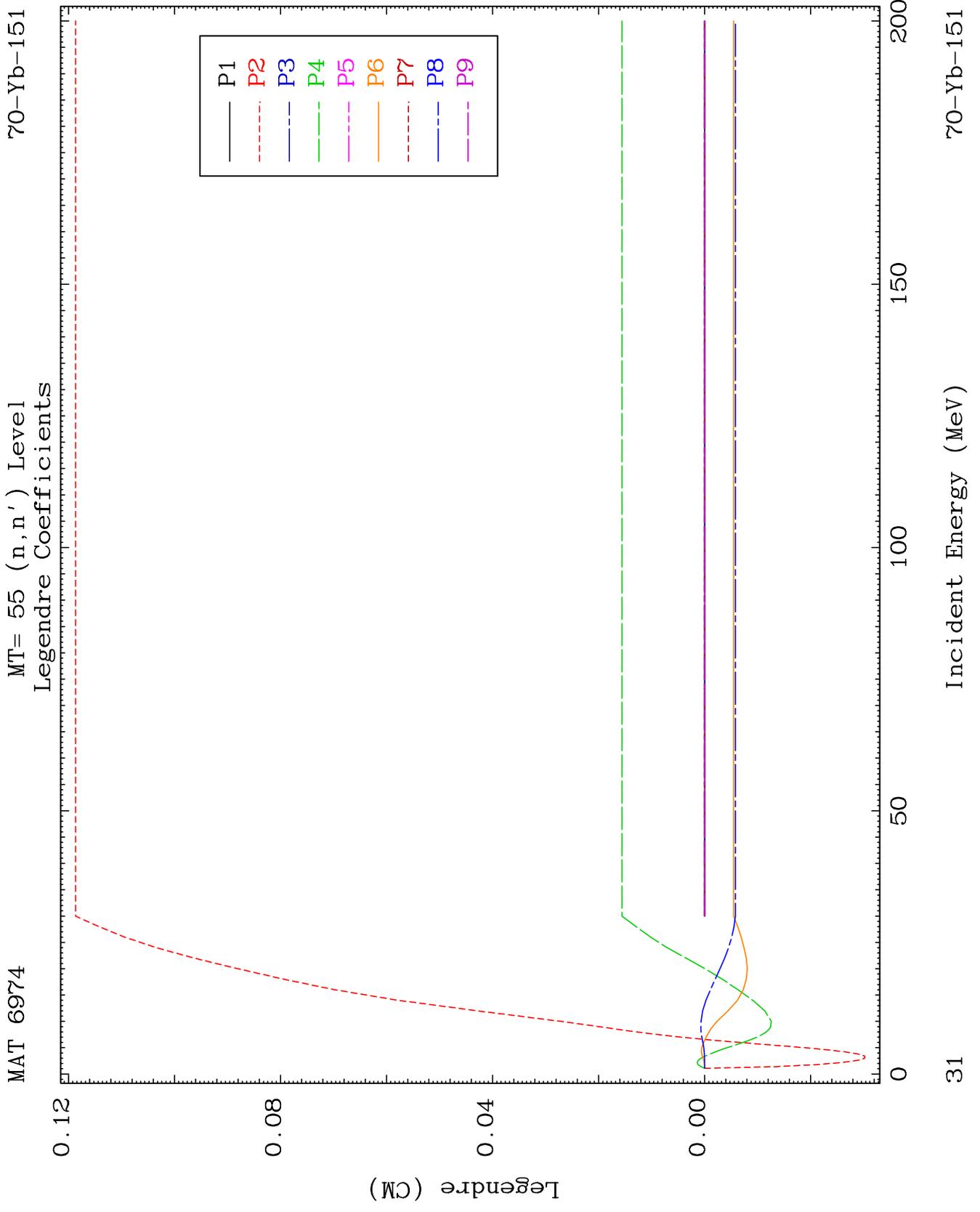
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70-Yb-151

Legendre Coefficients



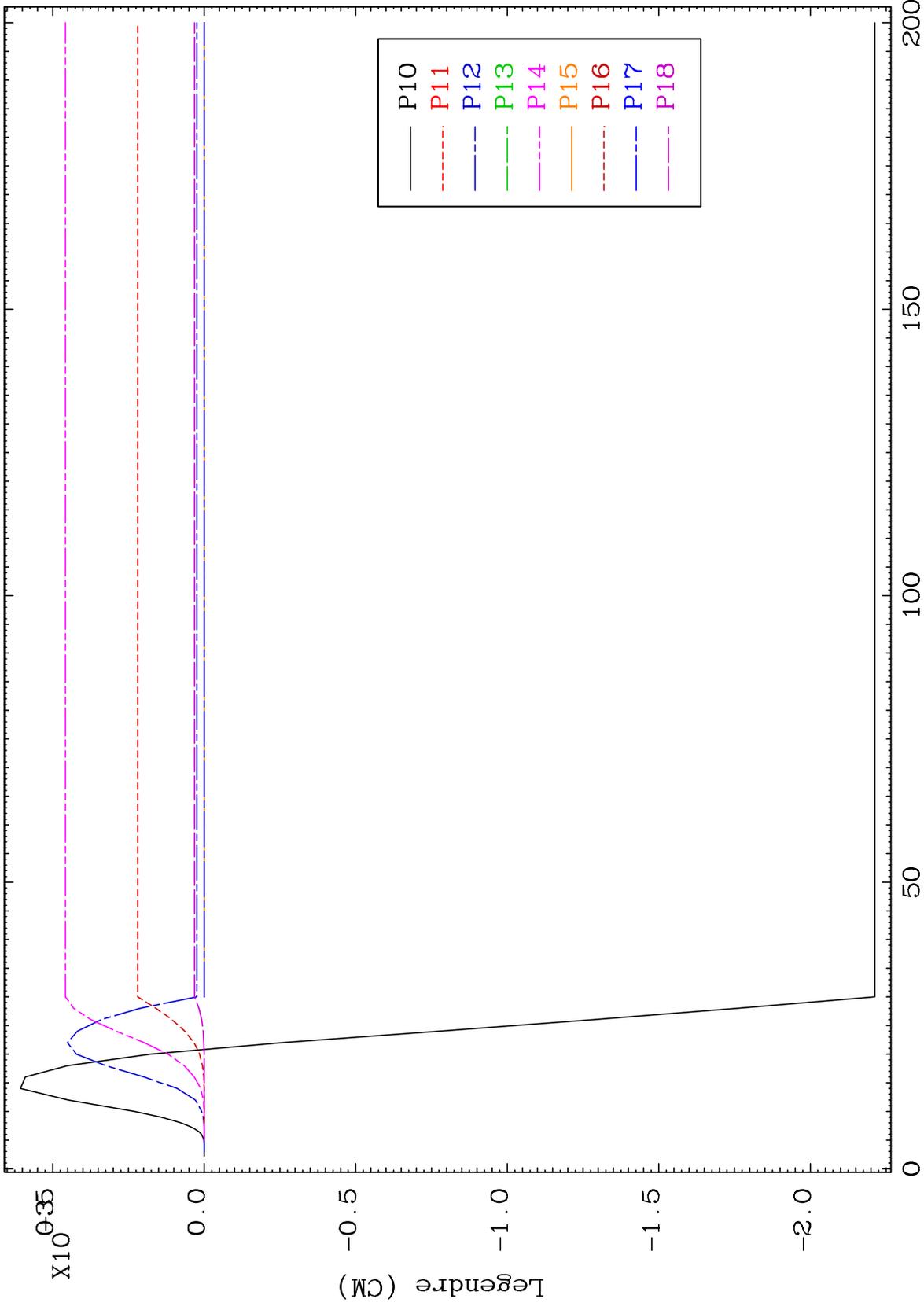




MAT 6974

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

70-Yb-151



32

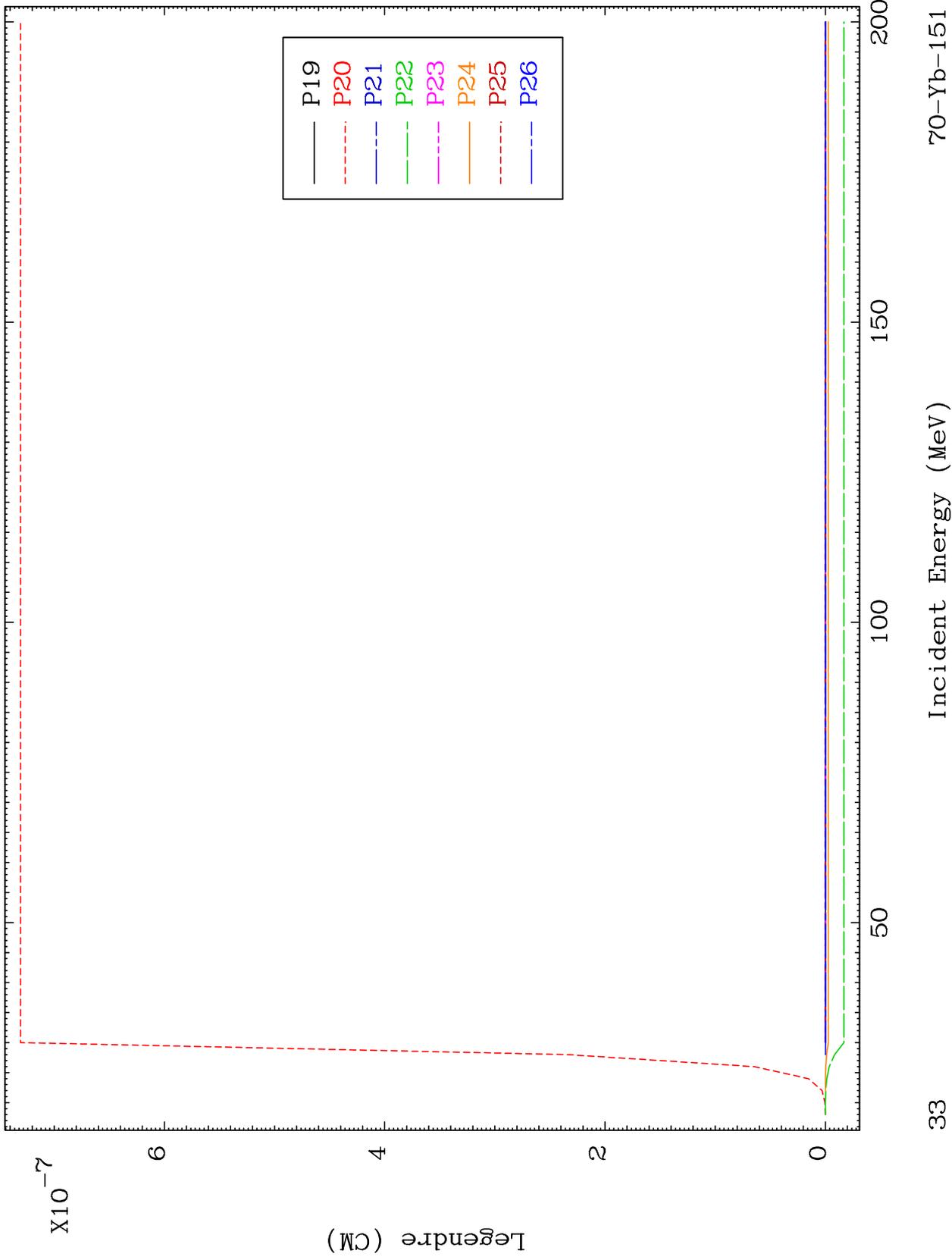
Incident Energy (MeV)

70-Yb-151

MAT 6974

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

70-Yb-151



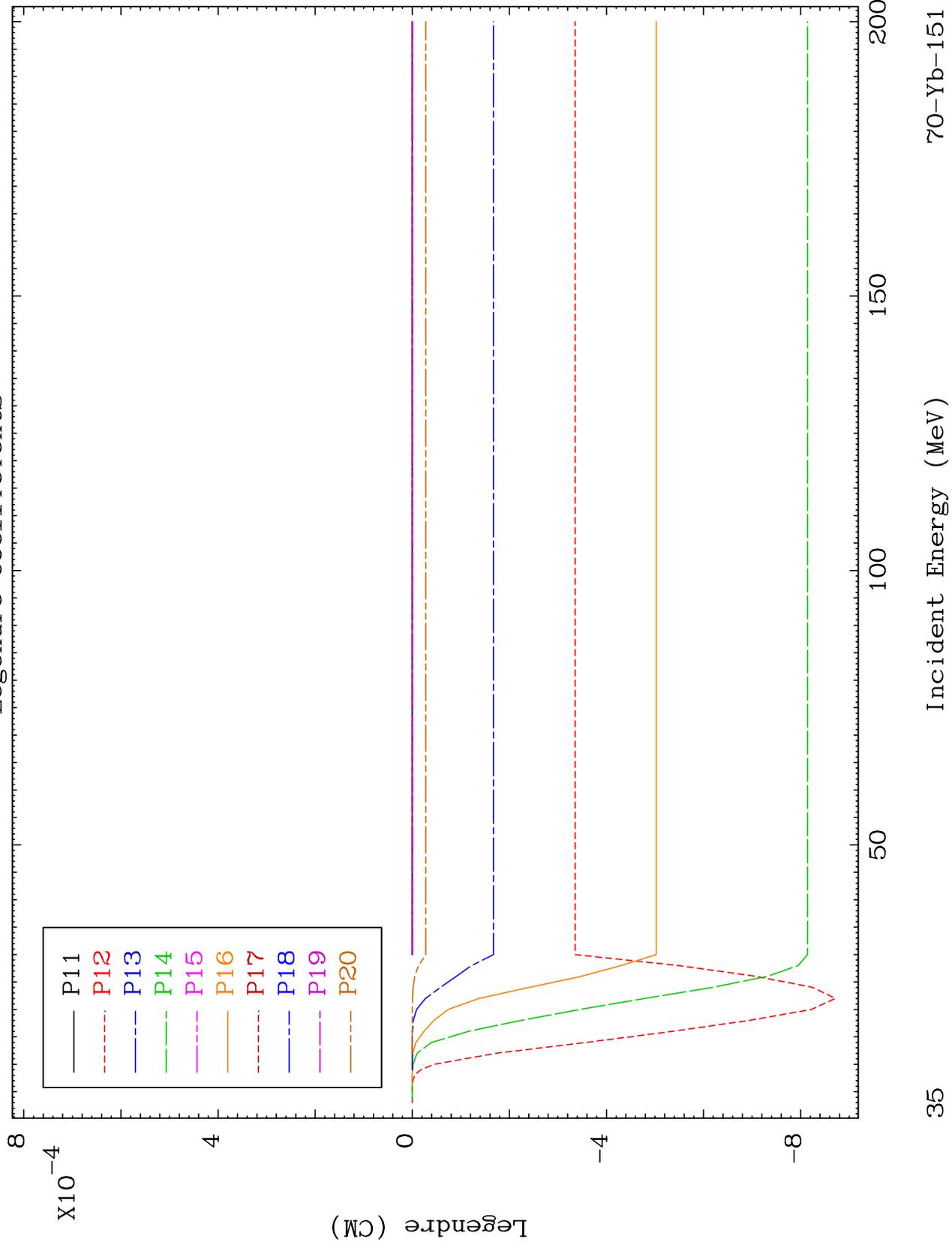
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70-Yb-151

MAT 6974

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

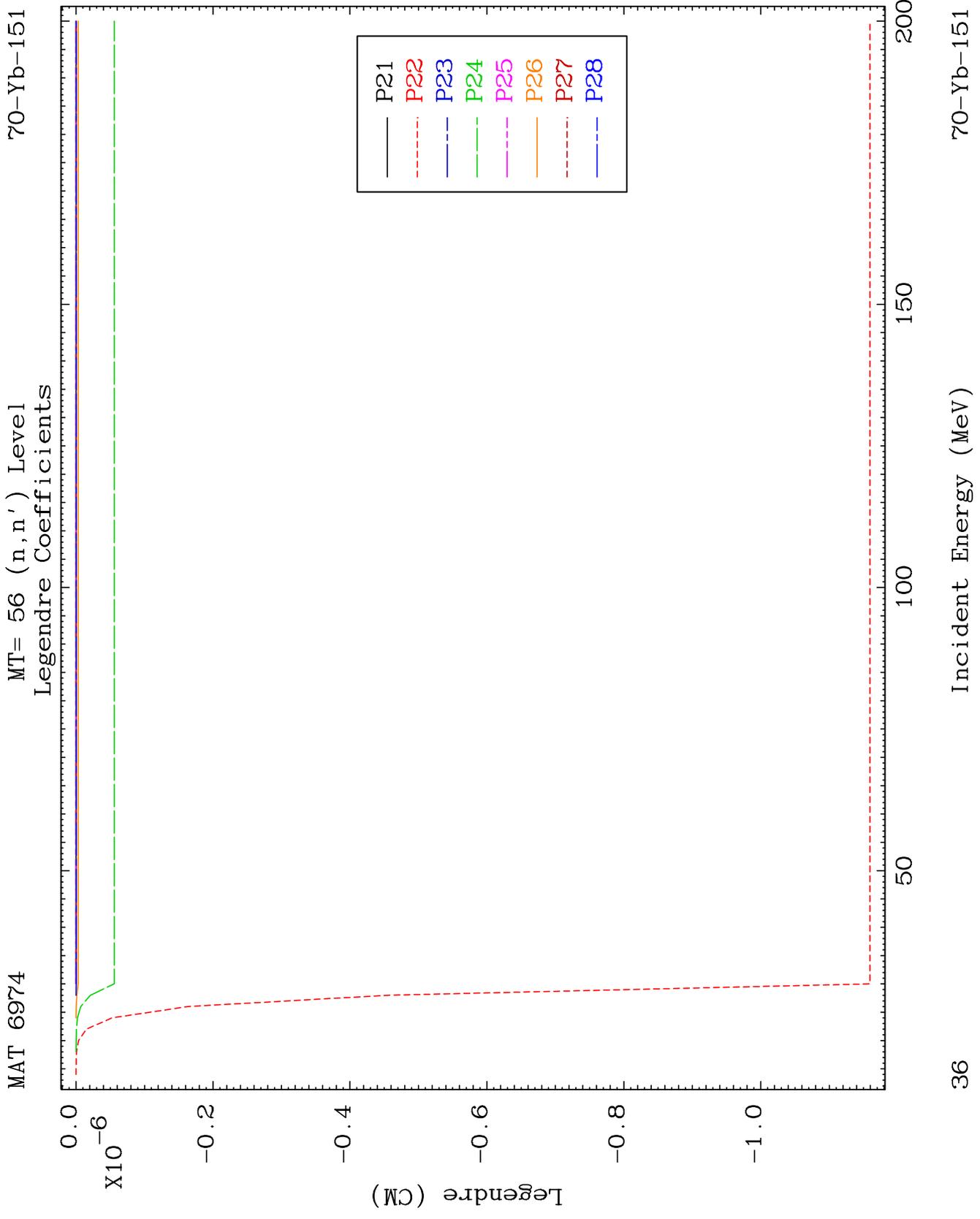
70-Yb-151



35

Incident Energy (MeV)

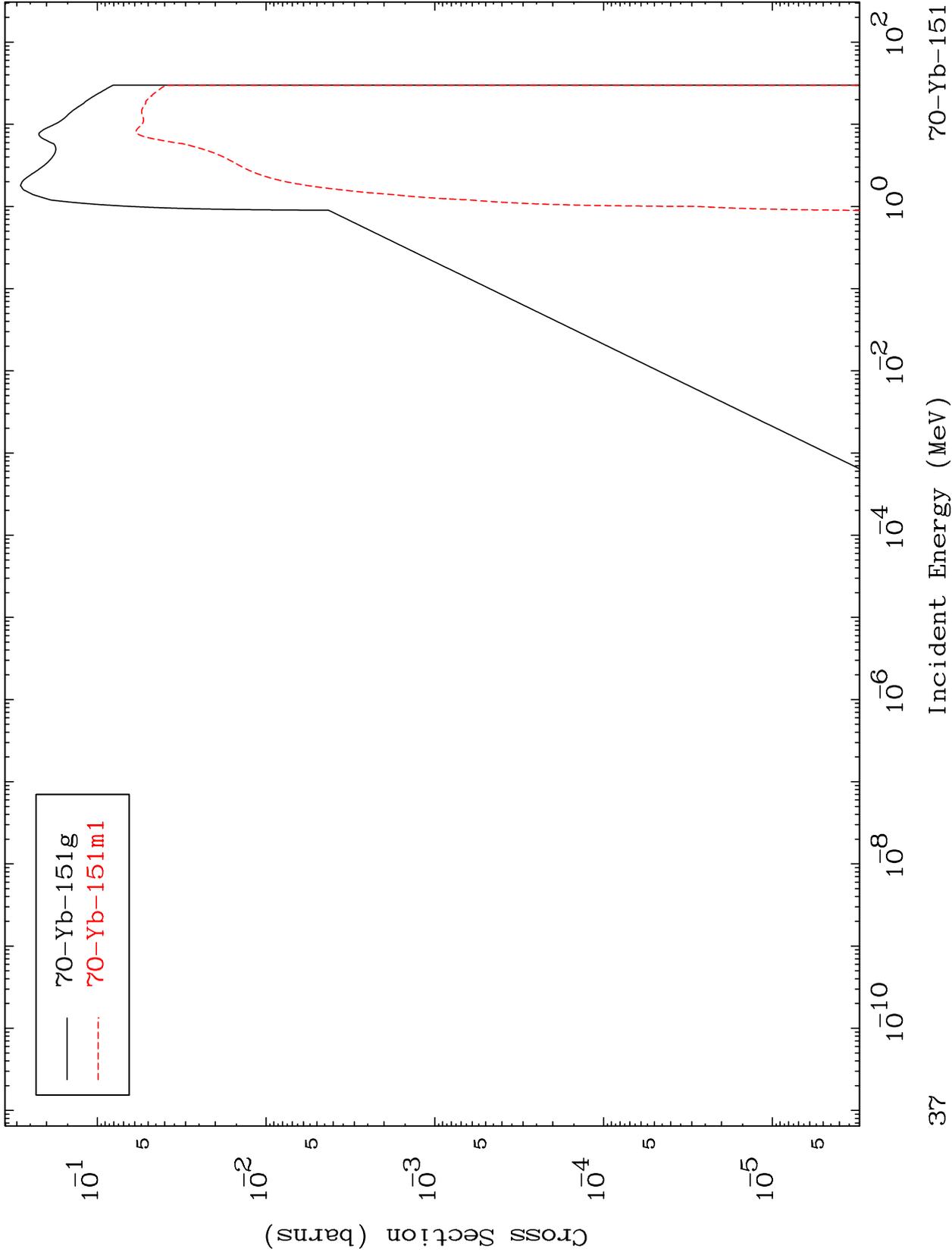
70-Yb-151



MAT 6974

Inelastic
Radionuclide Production Cross Section

⁷⁰Yb-151

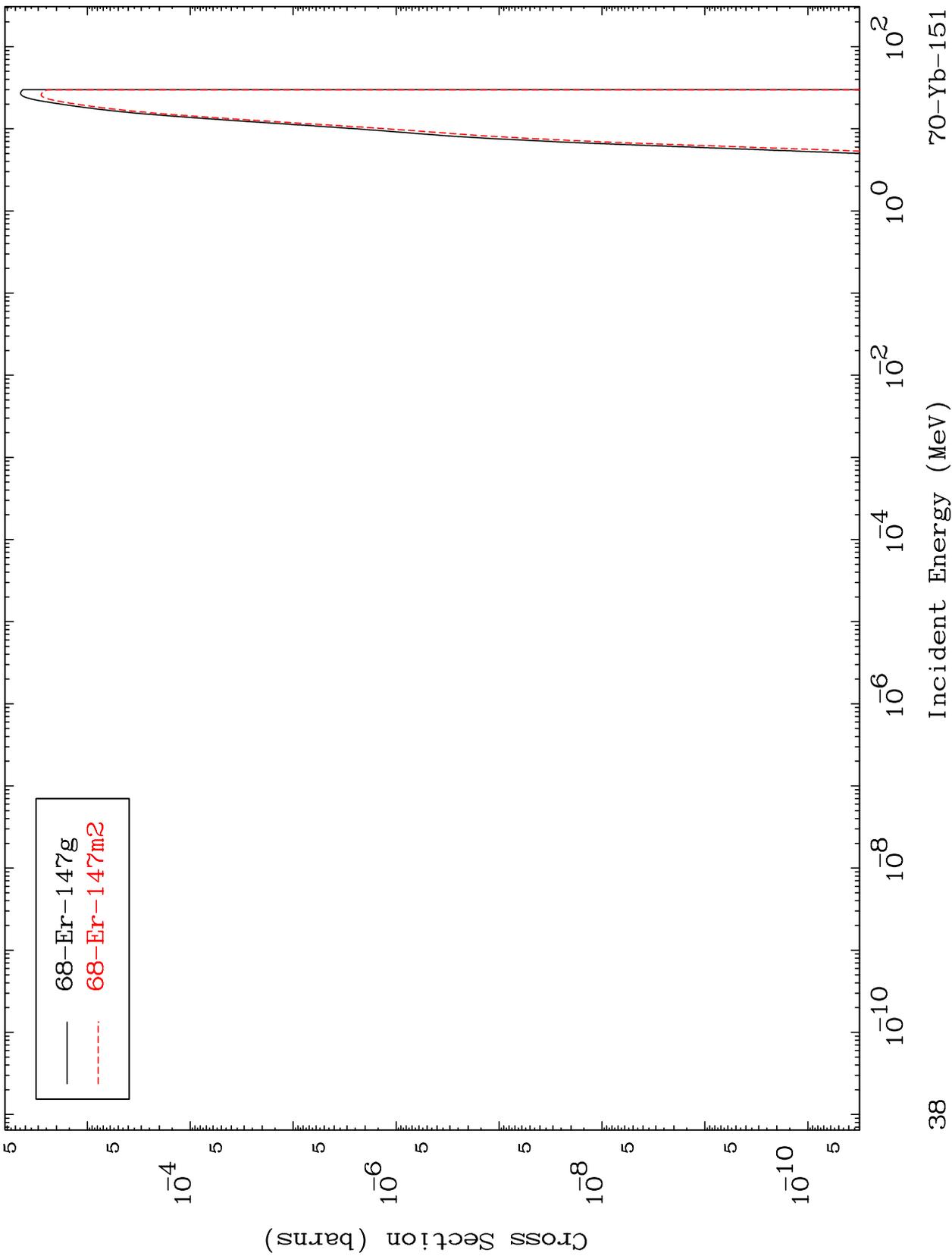


MAT 6974

$(n, n') \alpha$

70-Yb-151

Radionuclide Production Cross Section

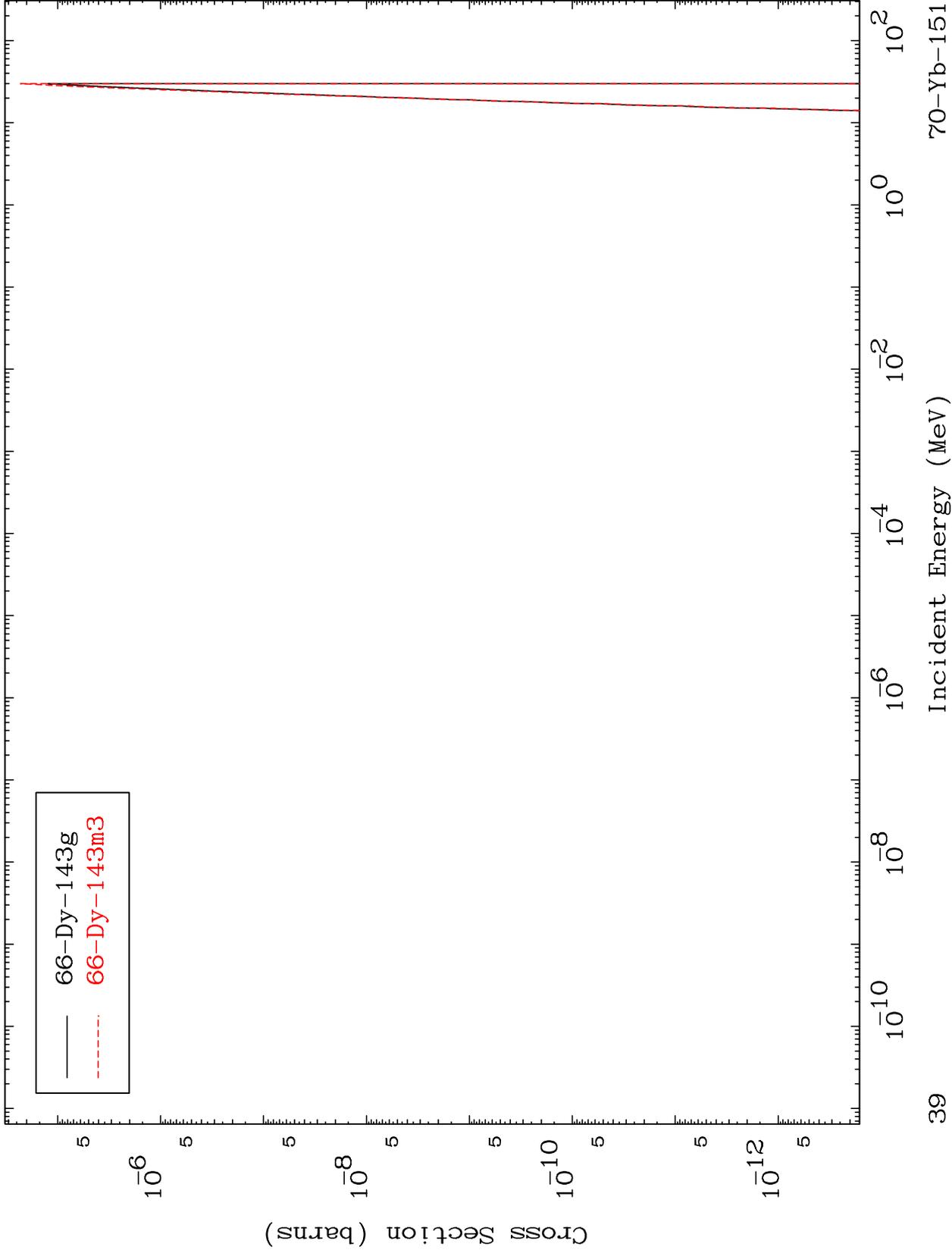


MAT 6974

(n,n') 2α

70-Yb-151

Radionuclide Production Cross Section

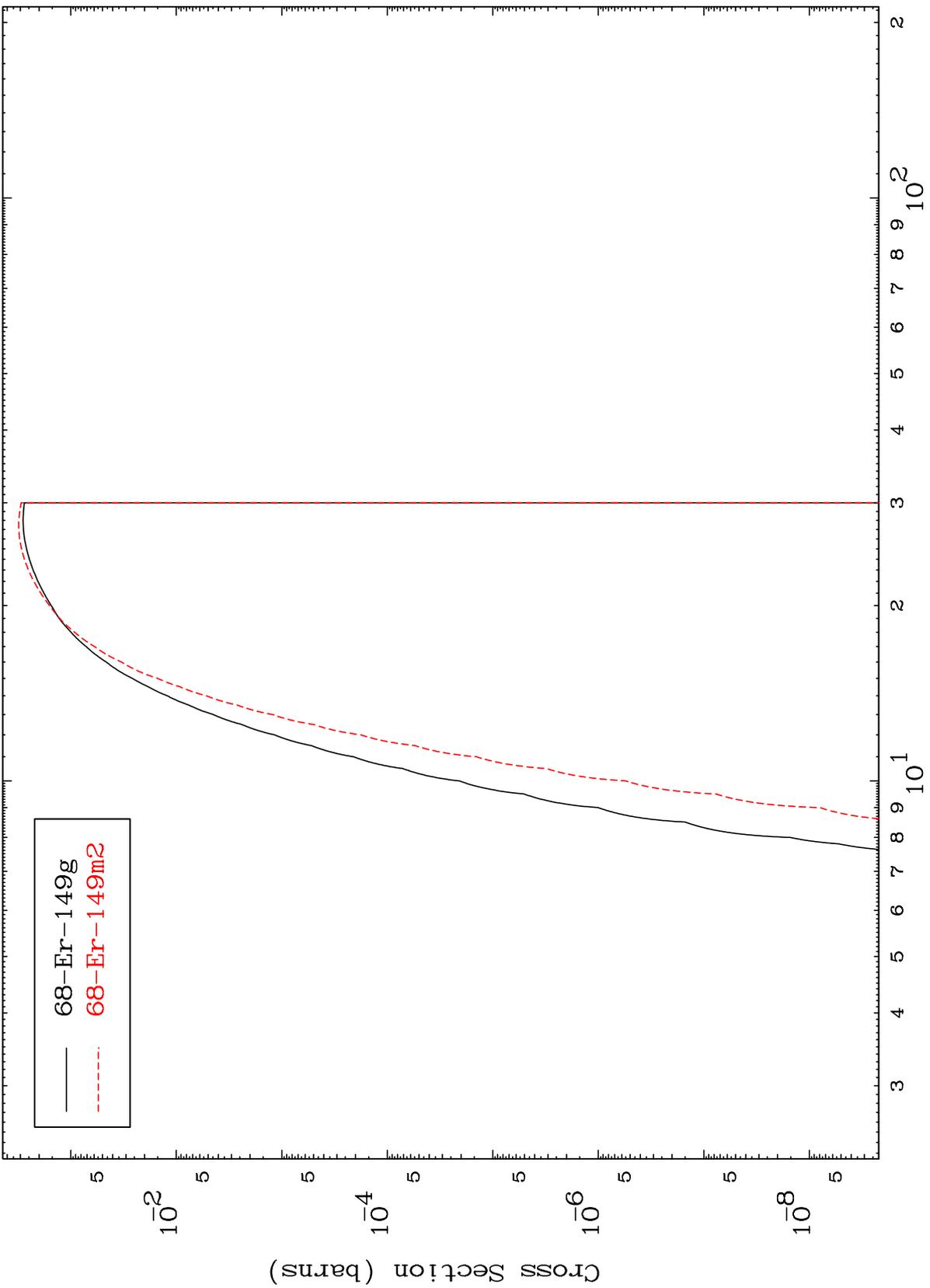


MAT 6974

(n,2n) p

70-Yb-151

Radionuclide Production Cross Section



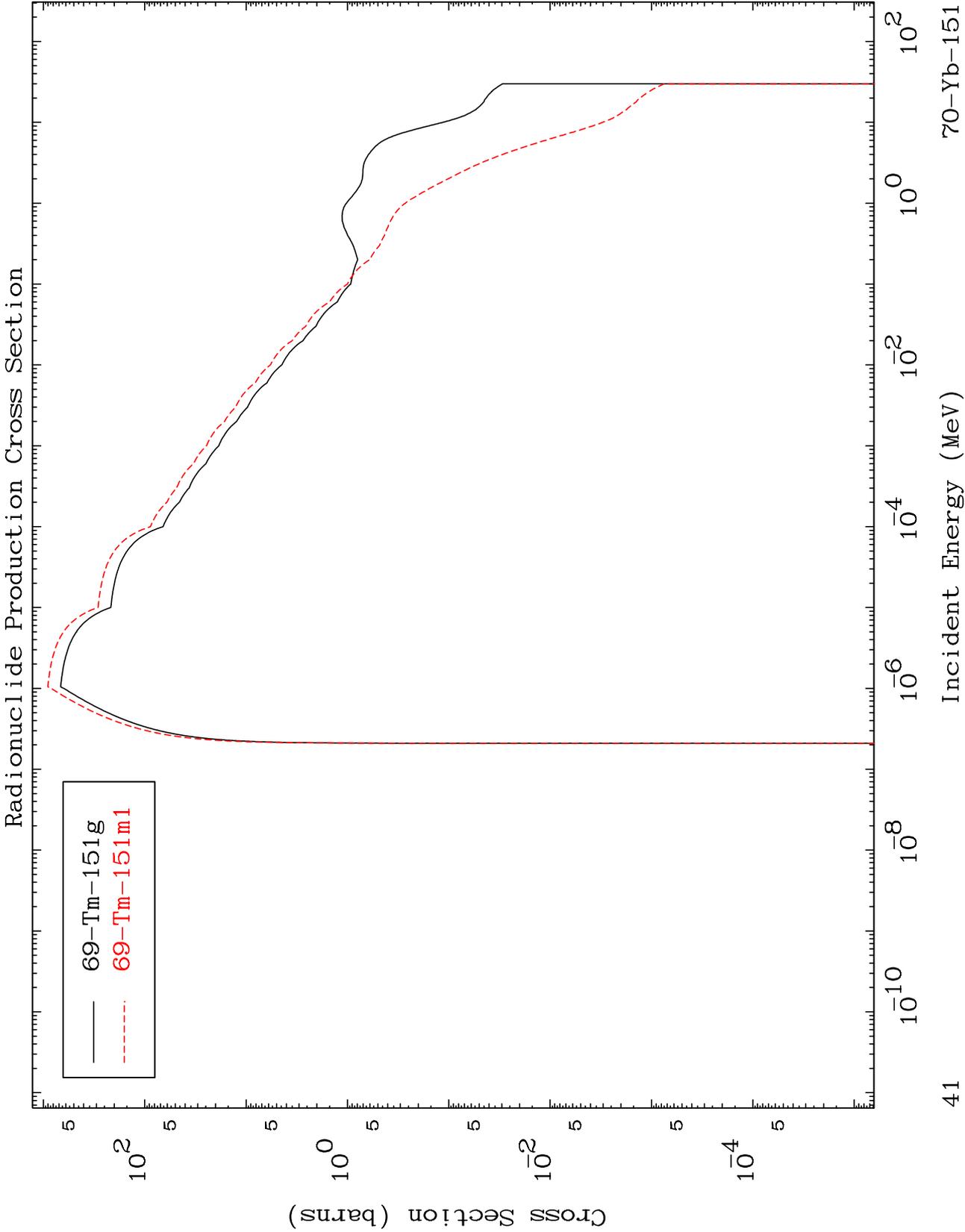
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Incident Energy (MeV)

70-Yb-151

MAT 6974

70-Yb-151

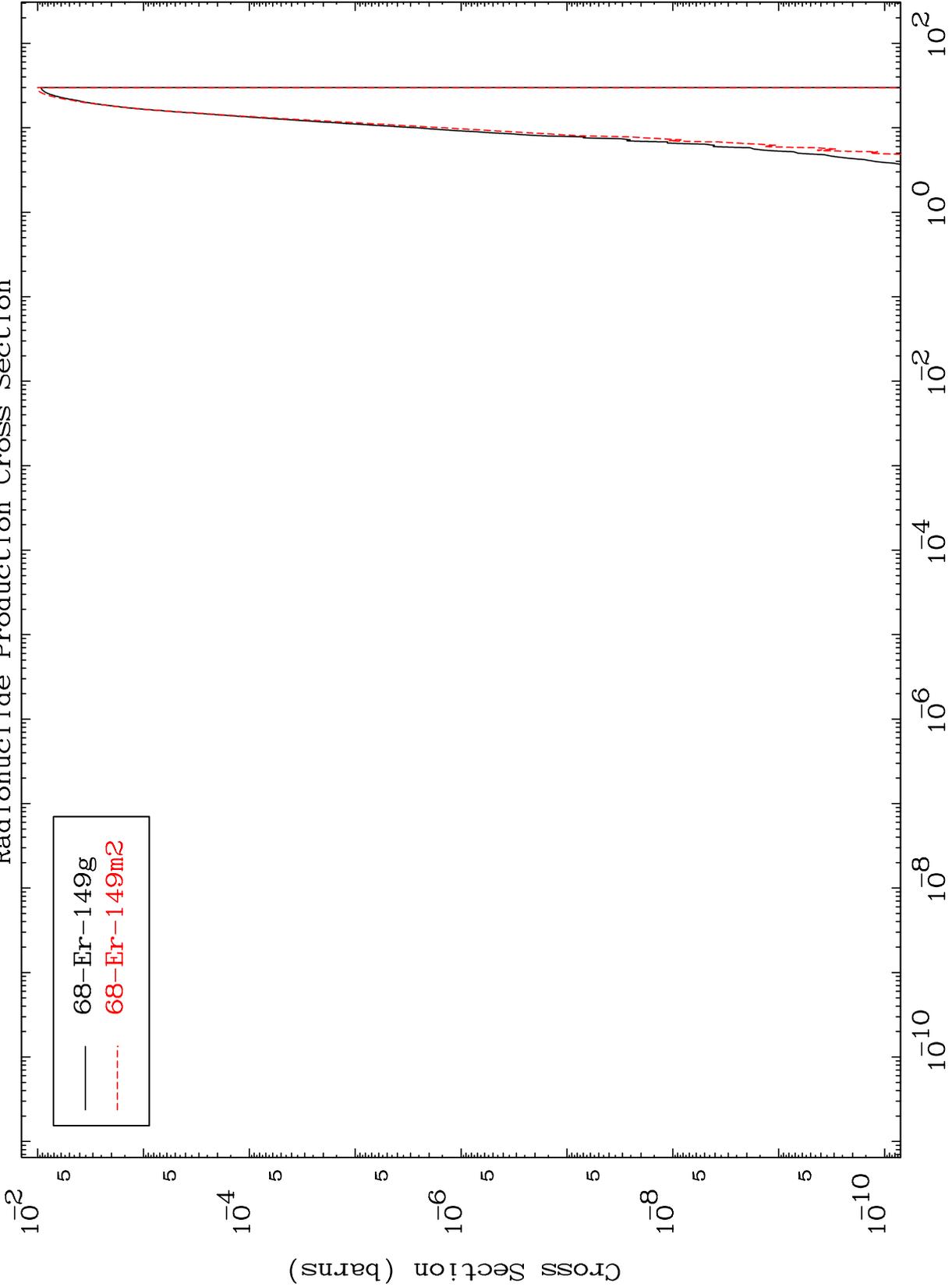


MAT 6974

(n,He-3)

70-Yb-151

Radionuclide Production Cross Section



68-Er-149g
68-Er-149m2

Incident Energy (MeV)

70-Yb-151

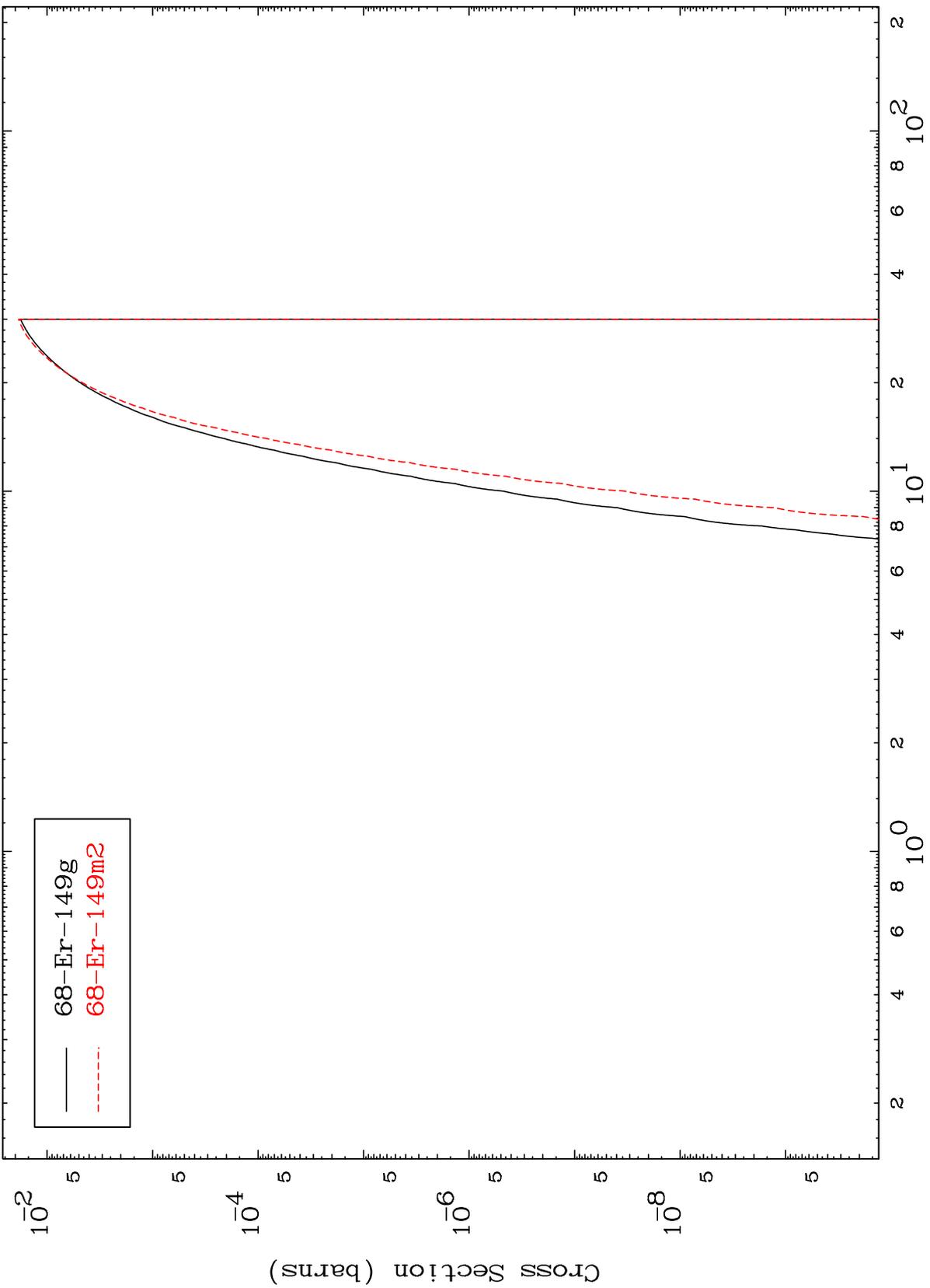
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MAT 6974

(n,p) d

70-Yb-151

Radionuclide Production Cross Section



68-Er-149g
68-Er-149m2