

Program EVALPLOT
(Version 2021-1)

by

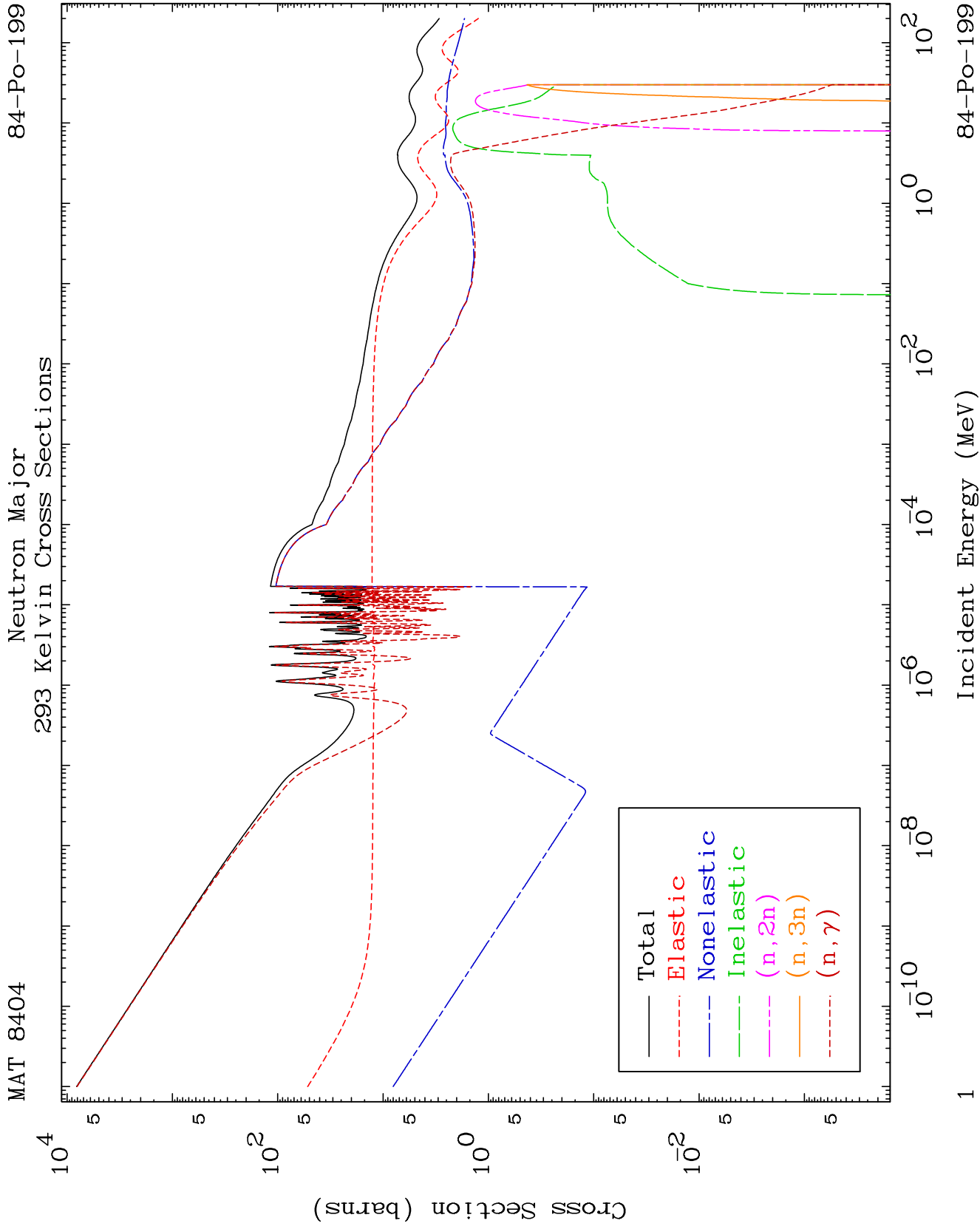
Dermott E. Cullen
(Present Contact Information)

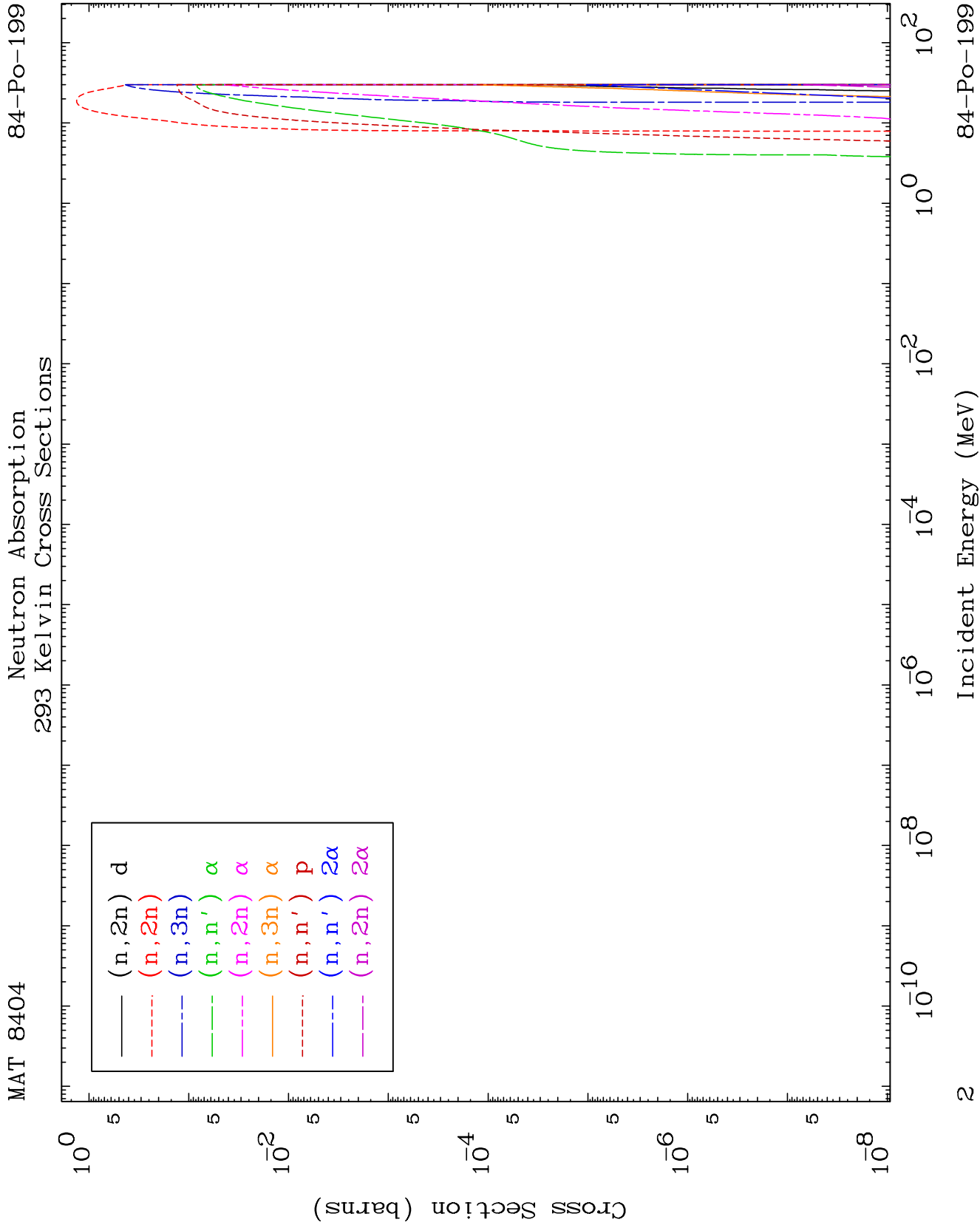
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

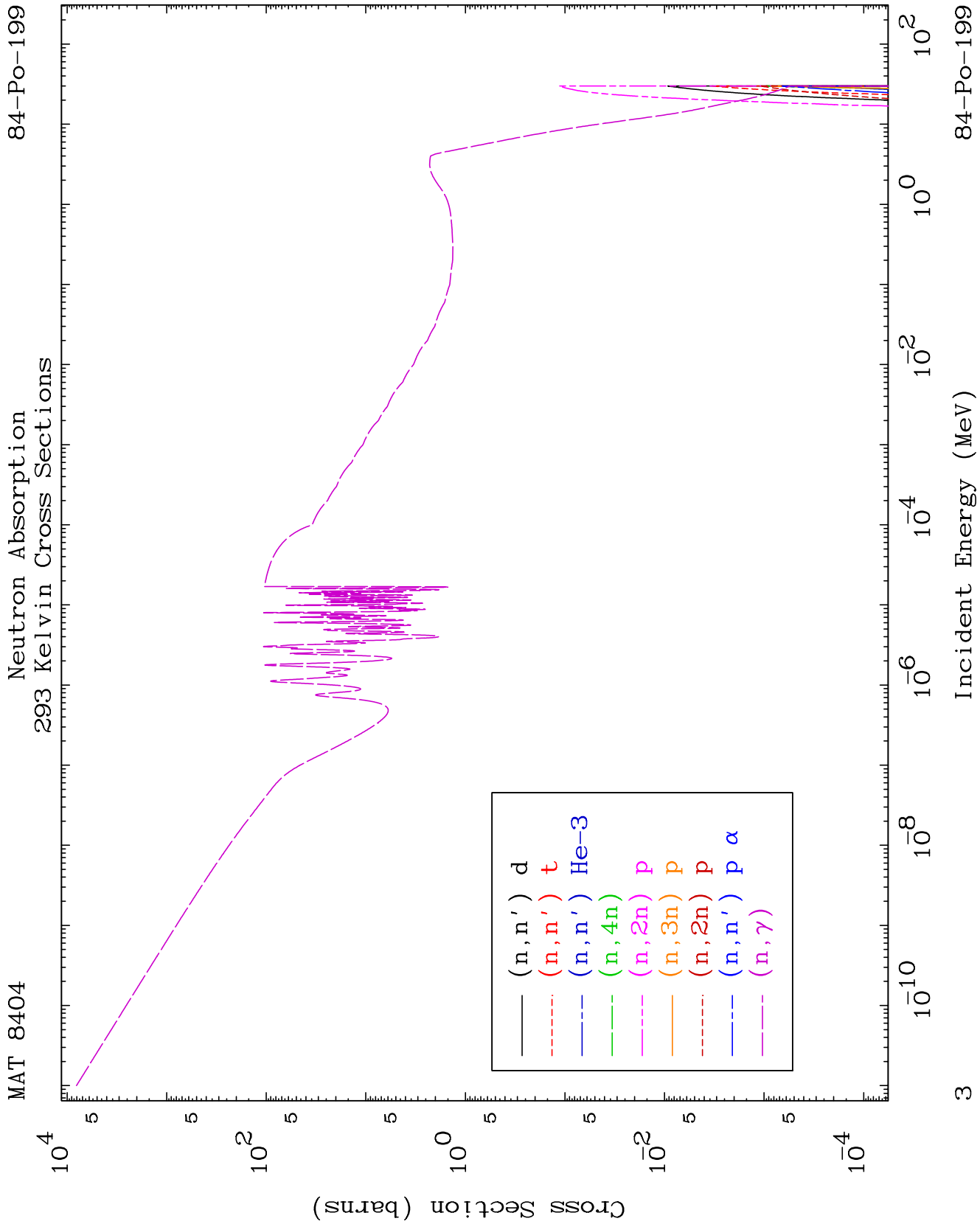
Tele: 925-443-1911

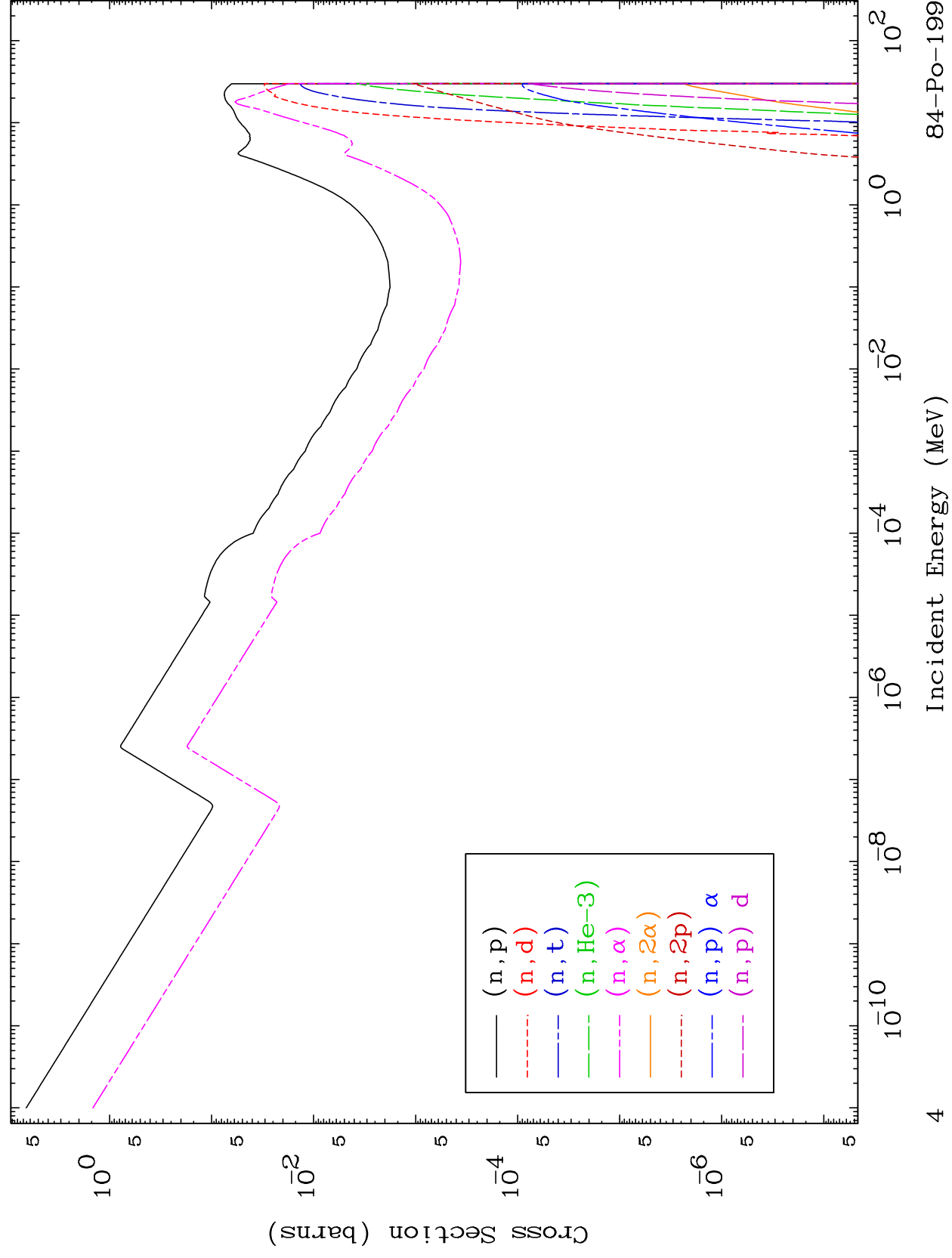
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





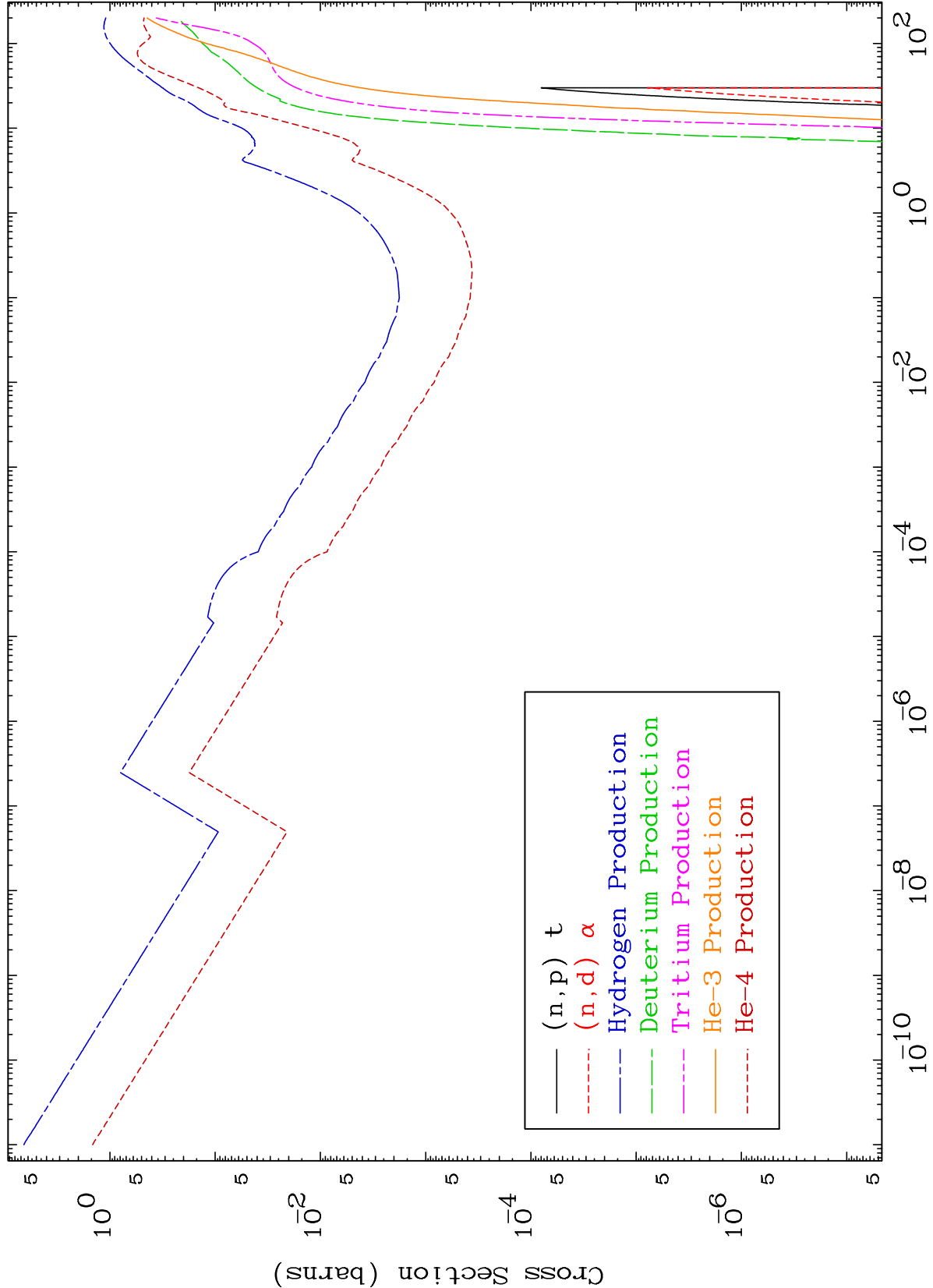


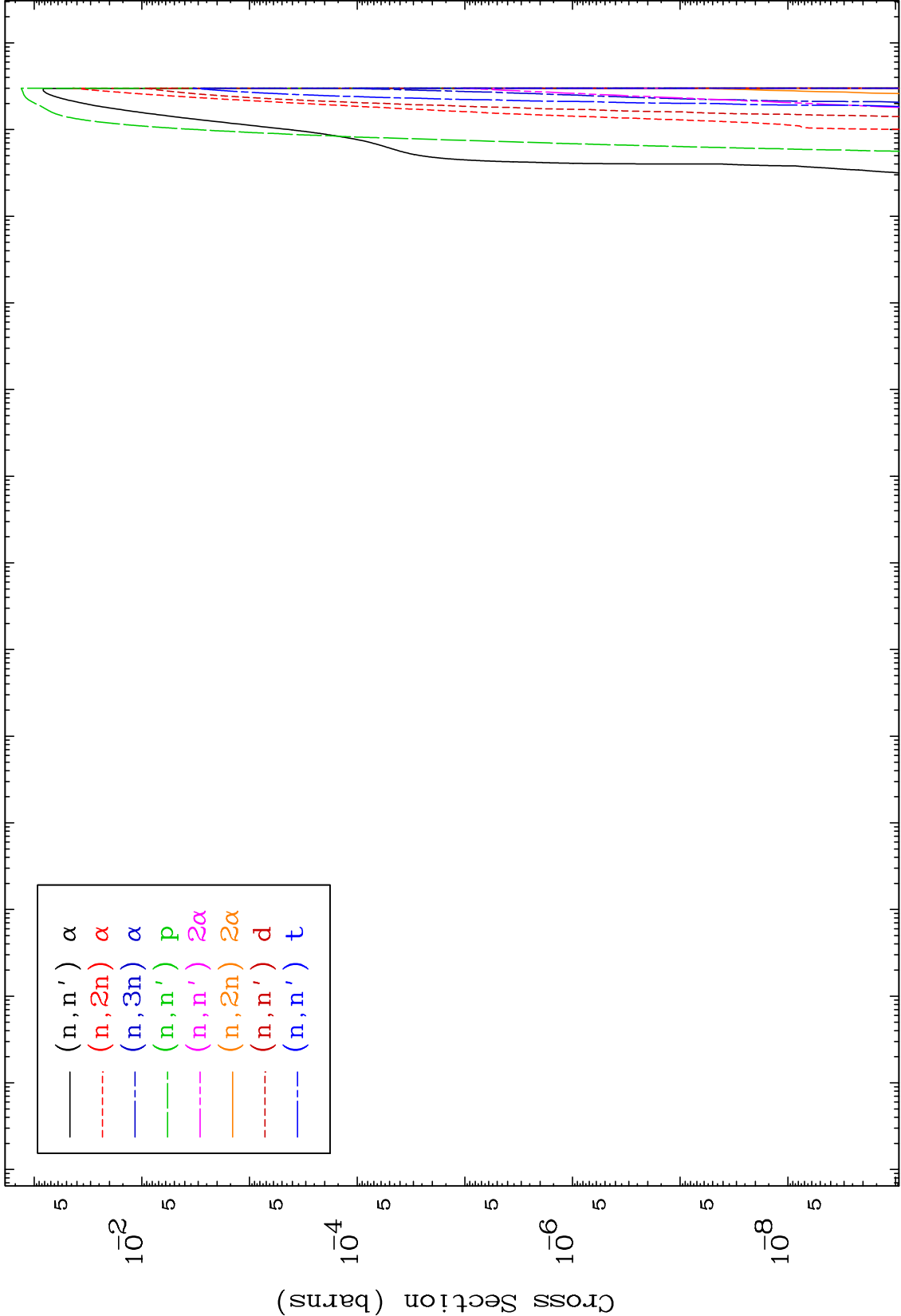


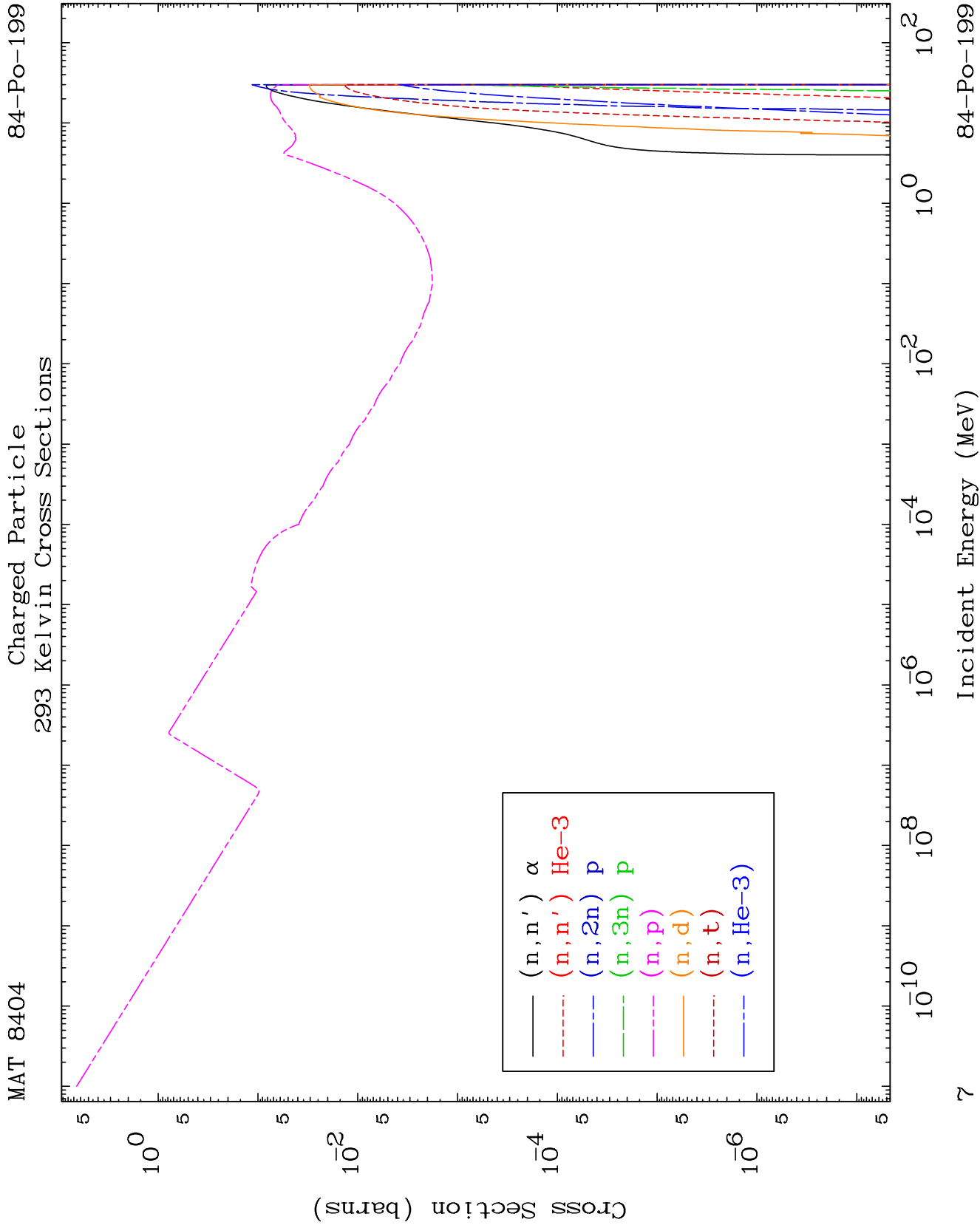
MAT 8404

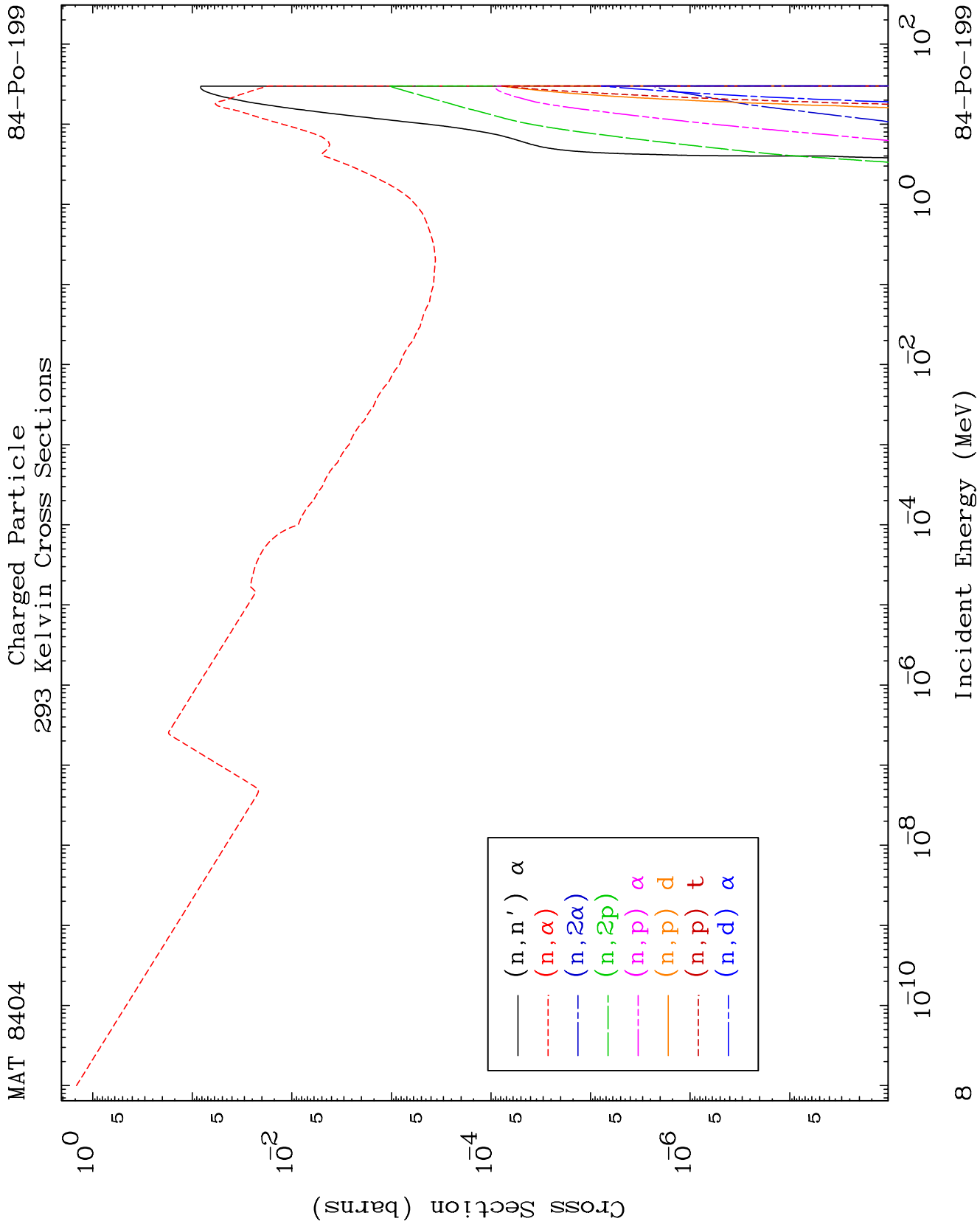
Neutron Absorption
293 Kelvin Cross Sections

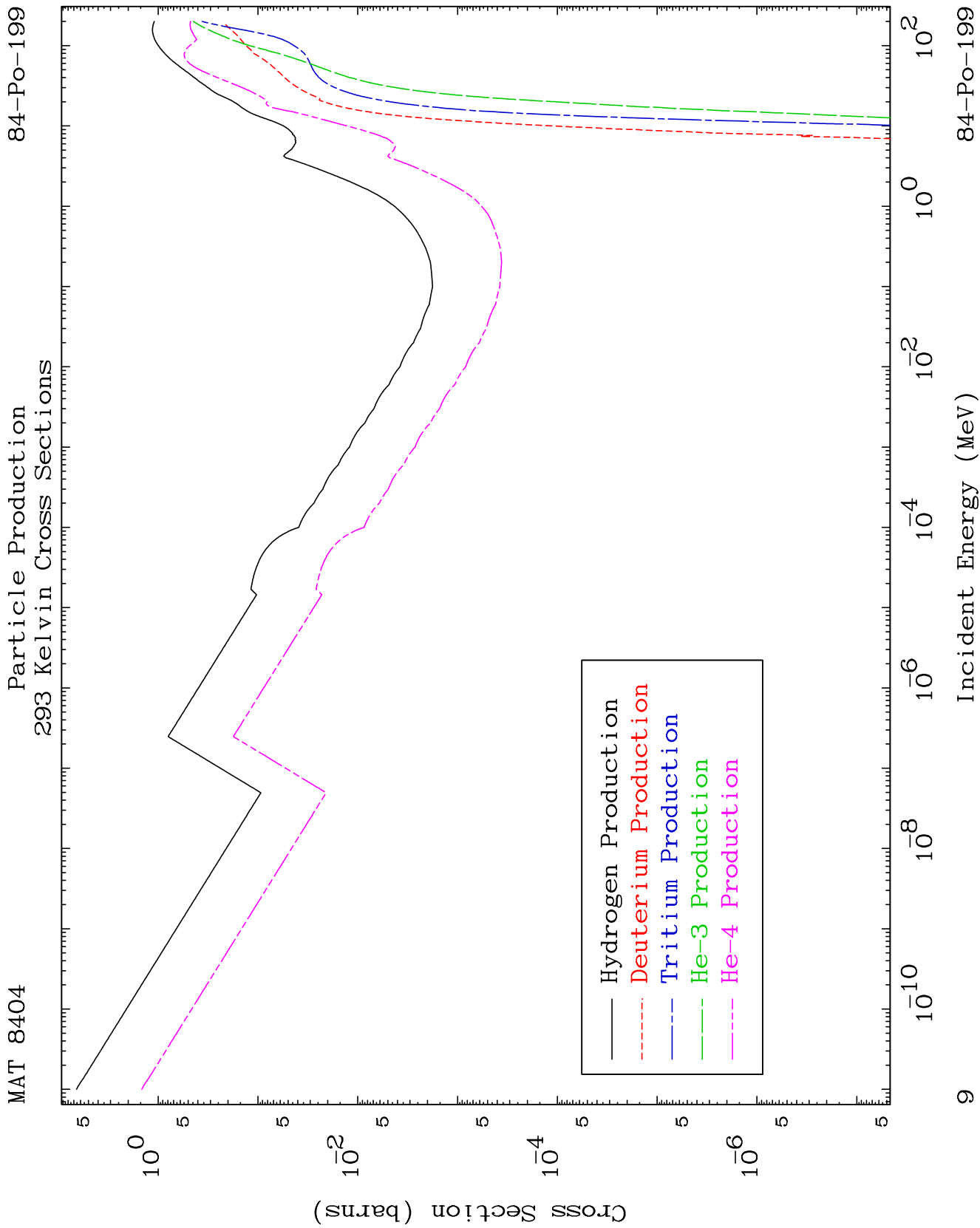
84-Po-199

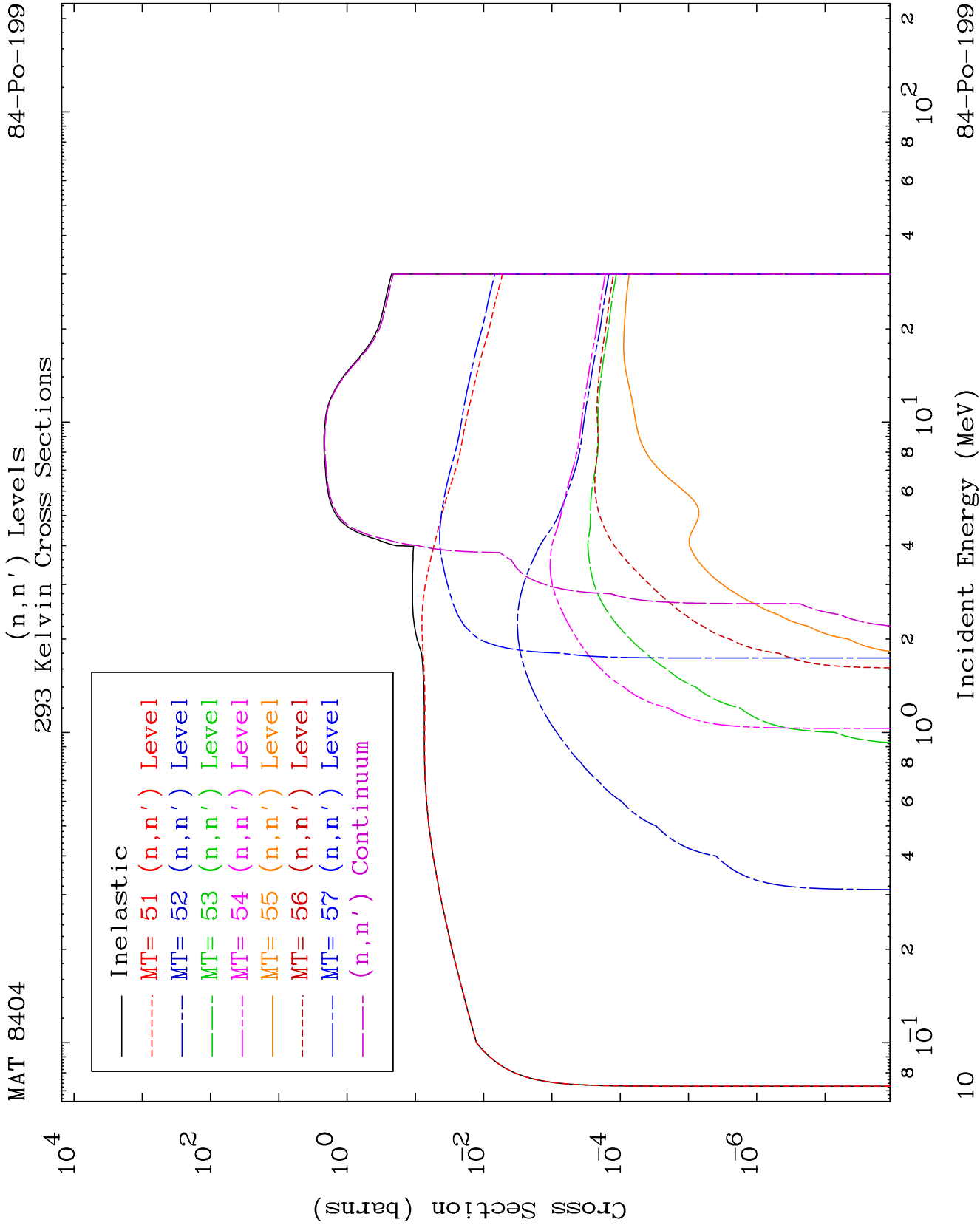


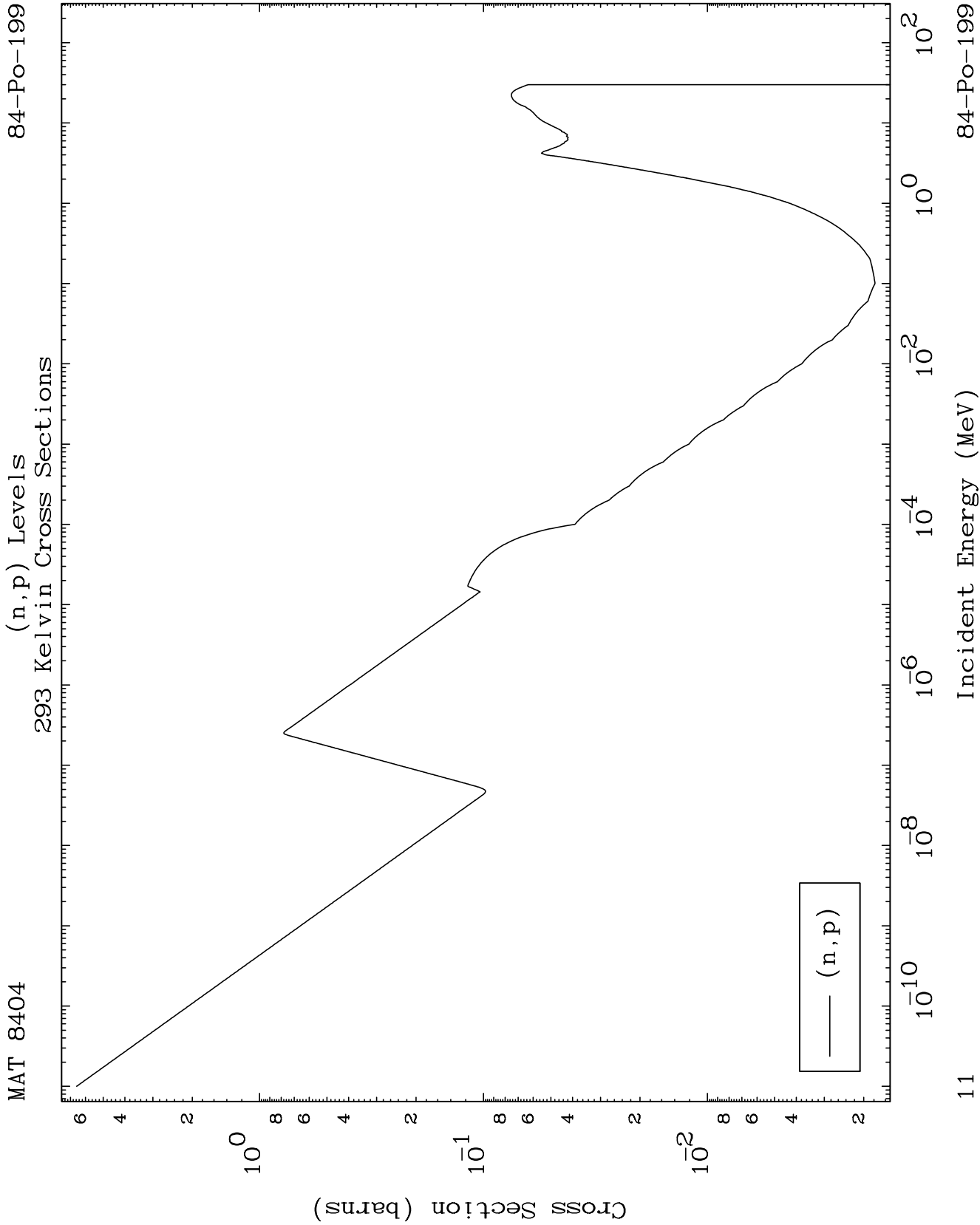








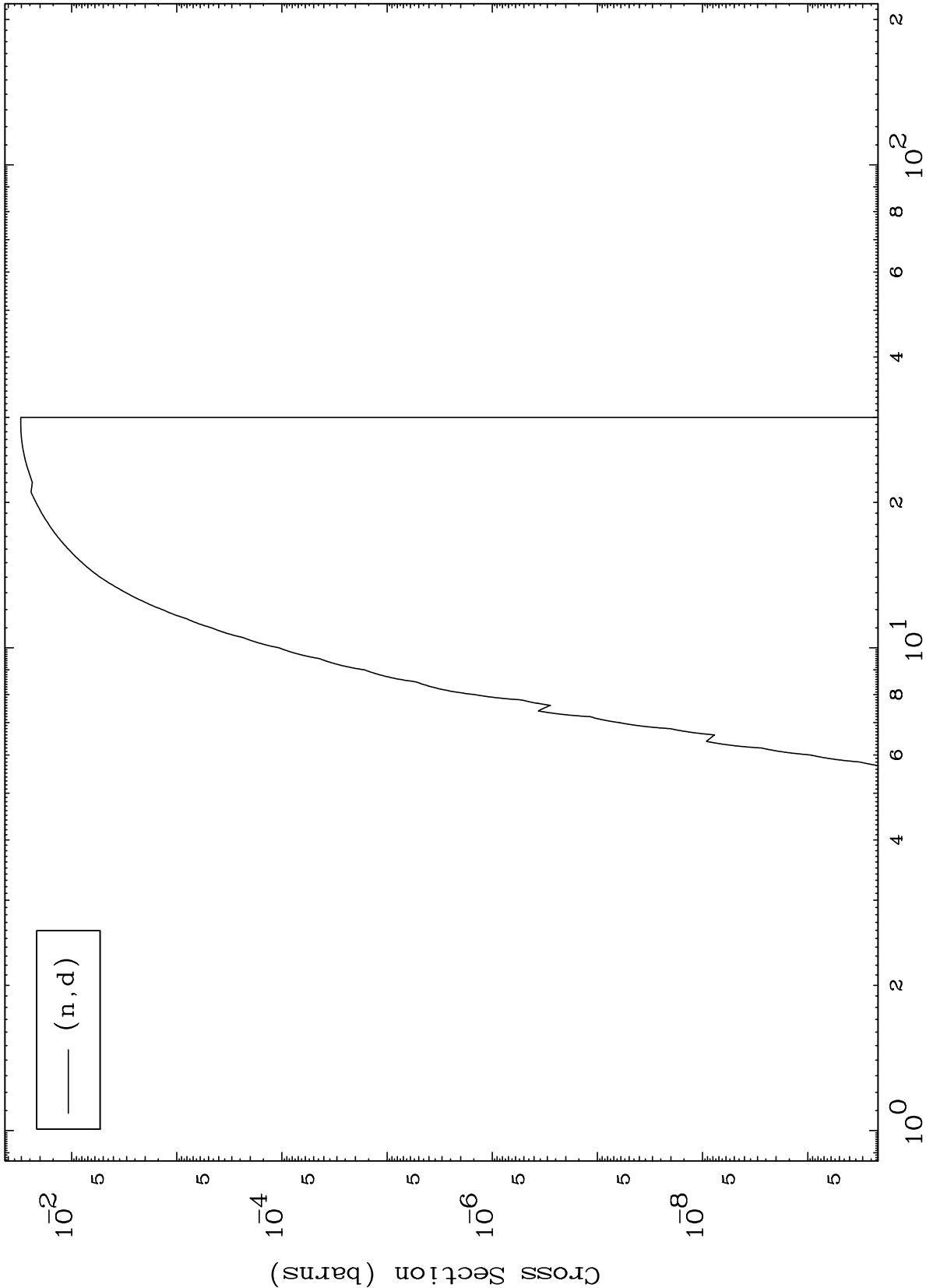




MAT 8404

(n,d) Levels
293 Kelvin Cross Sections

84-Po-199



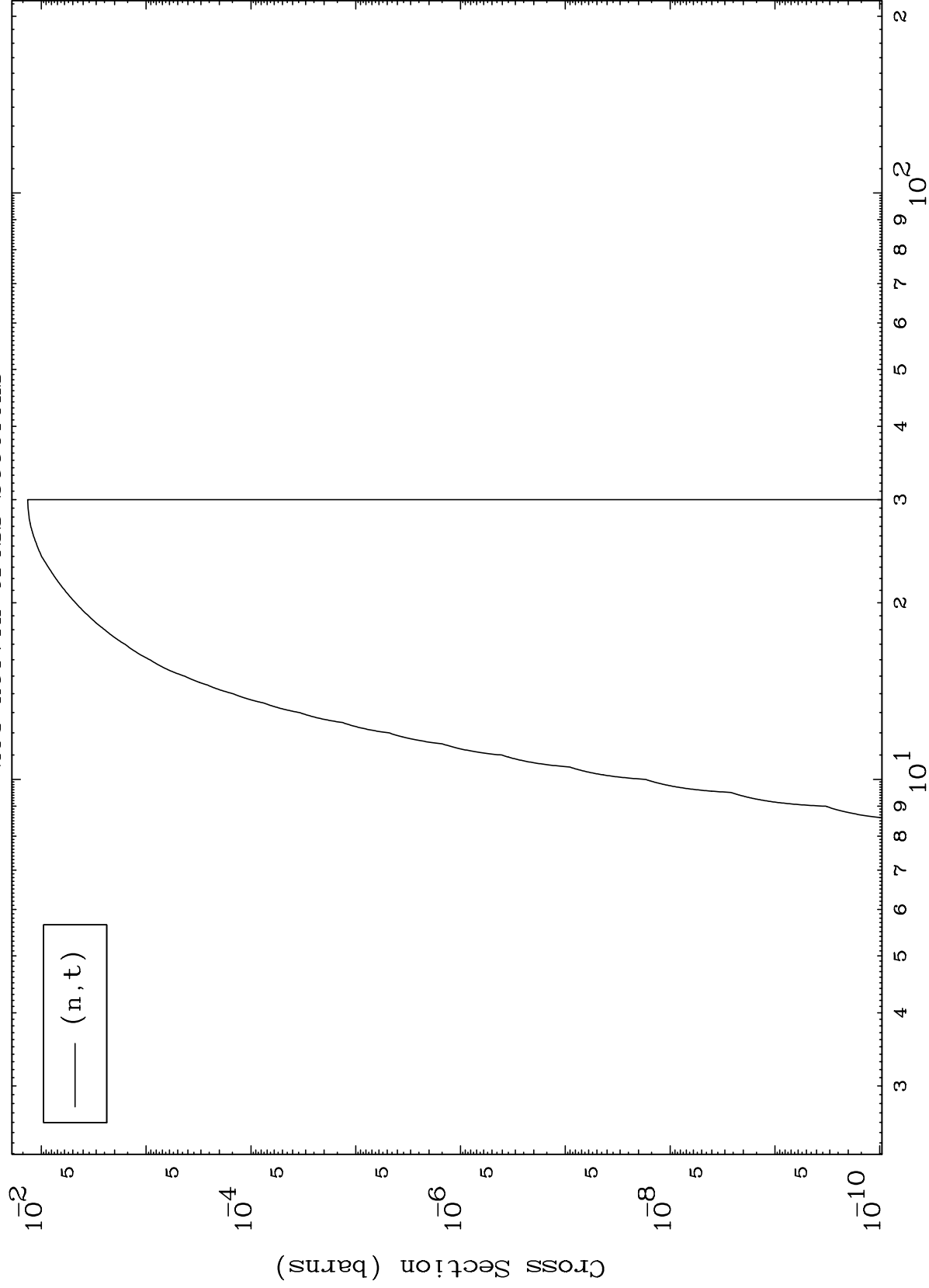
Incident Energy (MeV)

84-Po-199

MAT 8404

84-Po-199

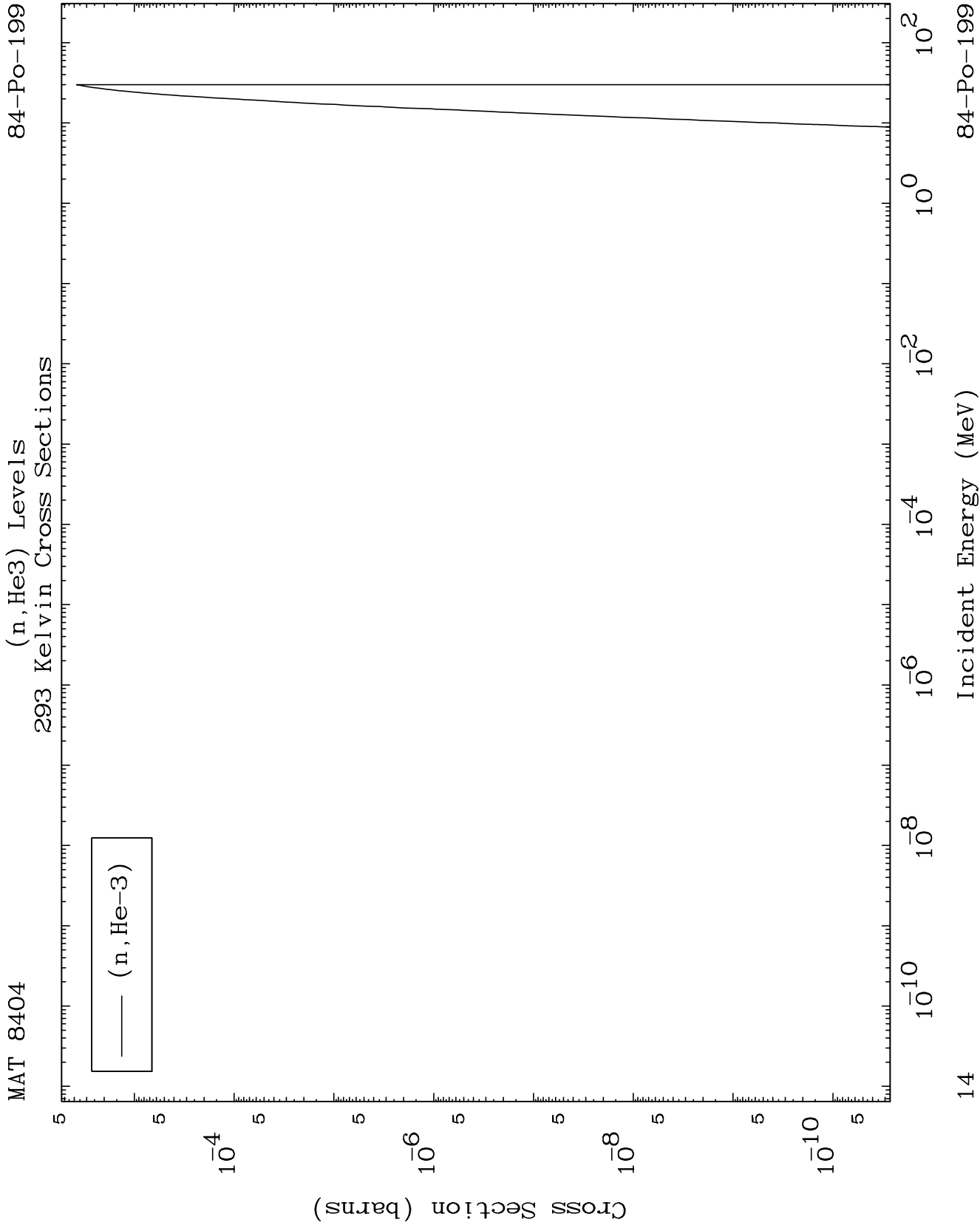
(n,t) Levels
293 Kelvin Cross Sections



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Incident Energy (MeV)

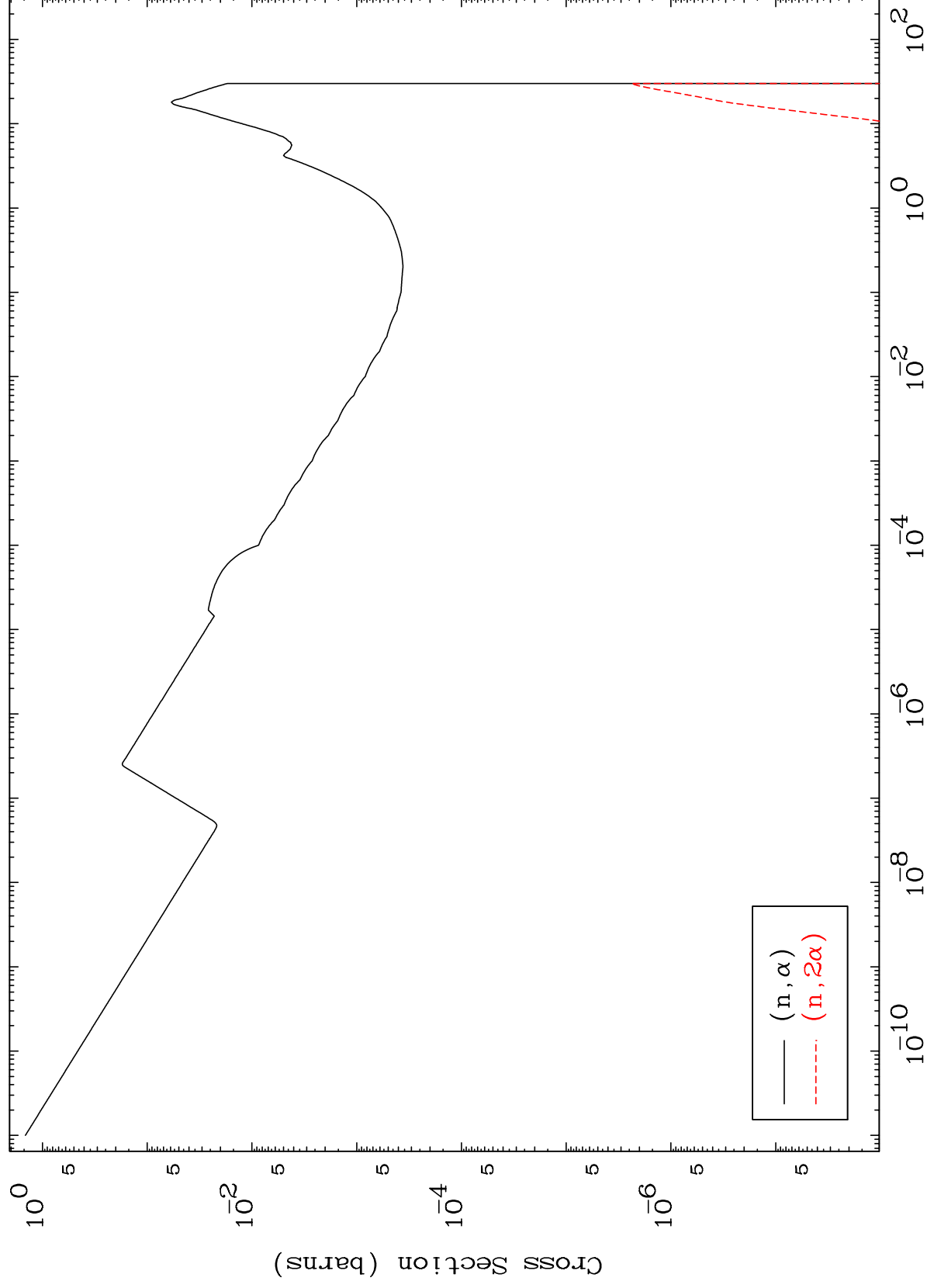
84-Po-199



MAT 8404

84-Po-199

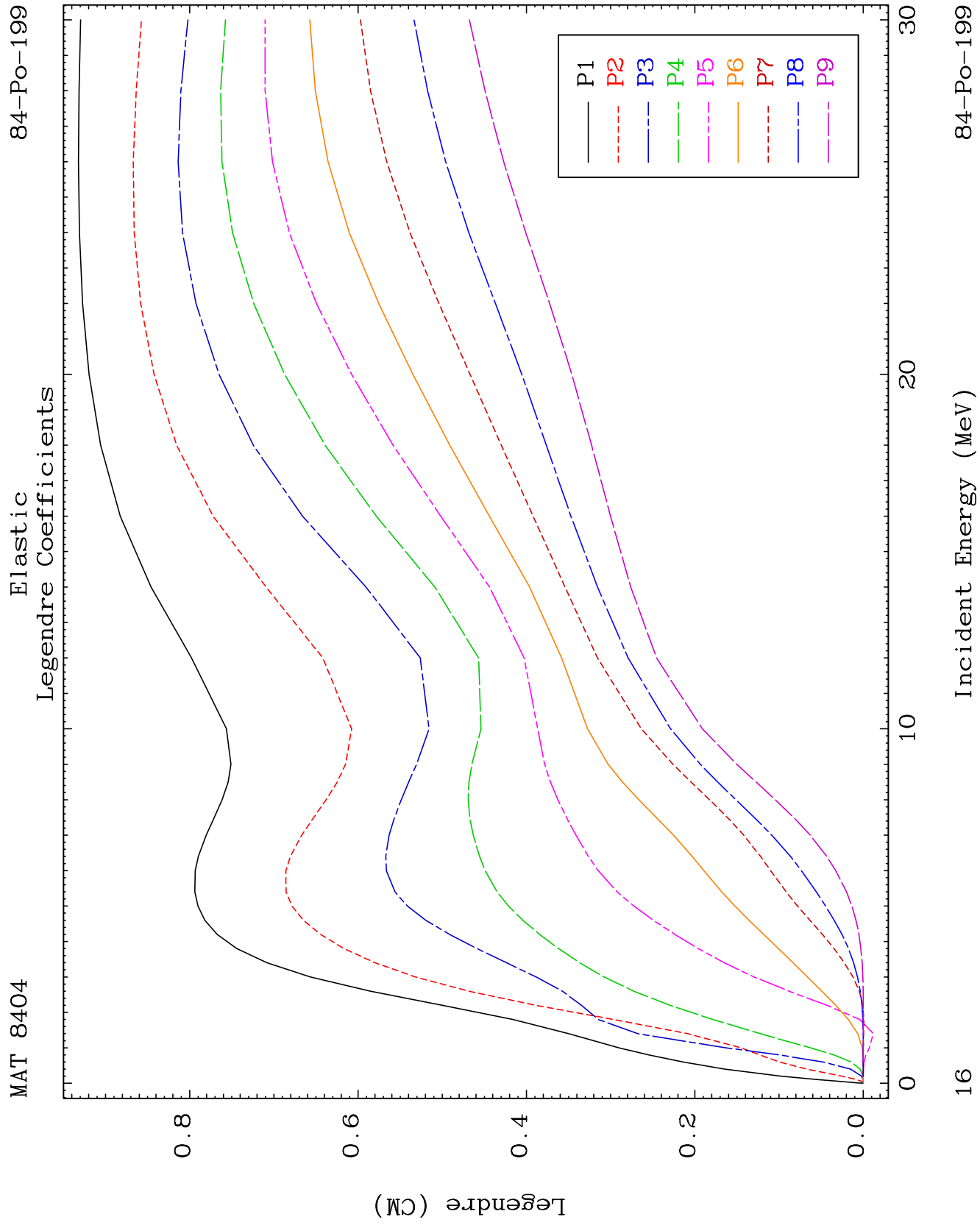
(n, α) Levels
293 Kelvin Cross Sections

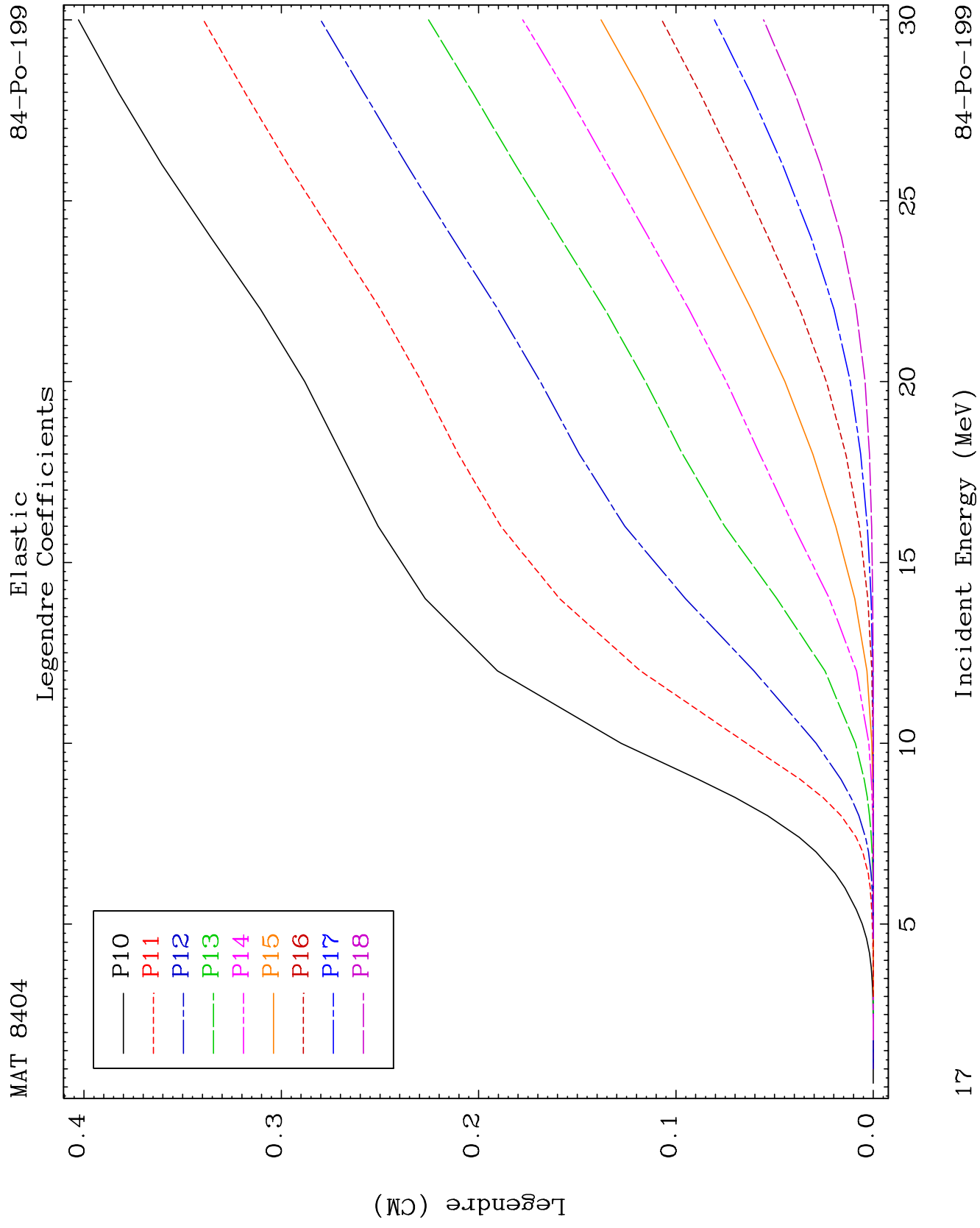


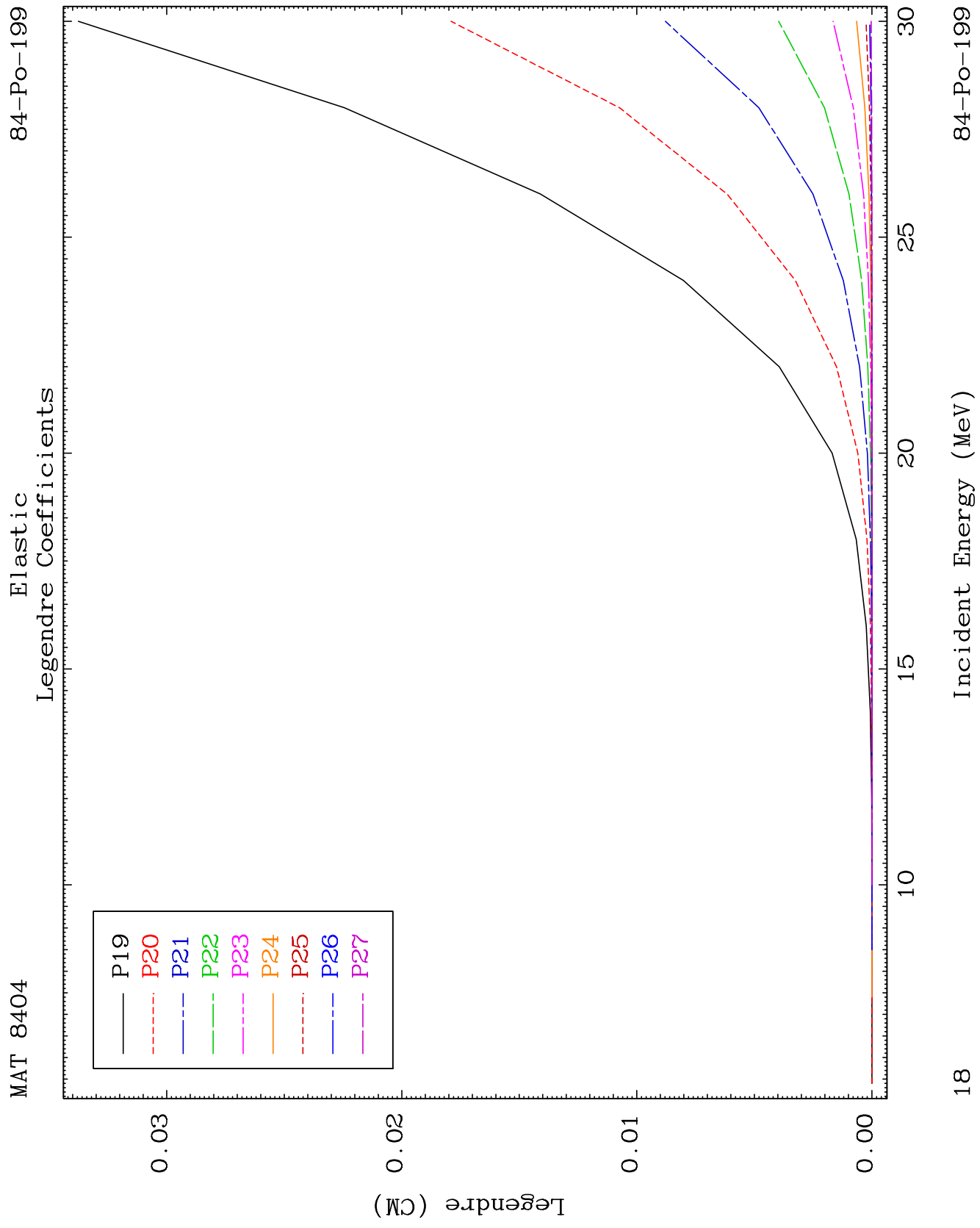
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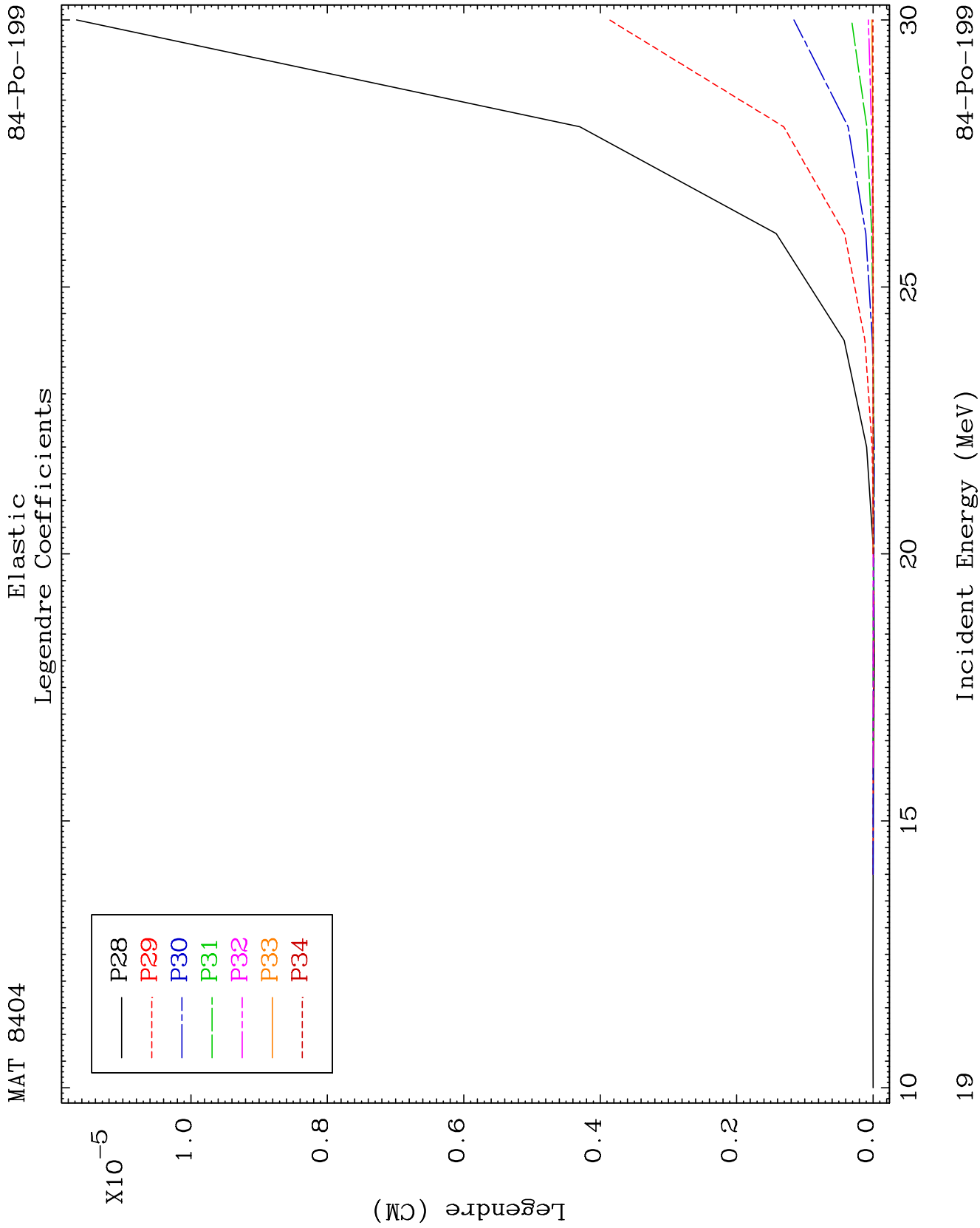
Incident Energy (MeV)

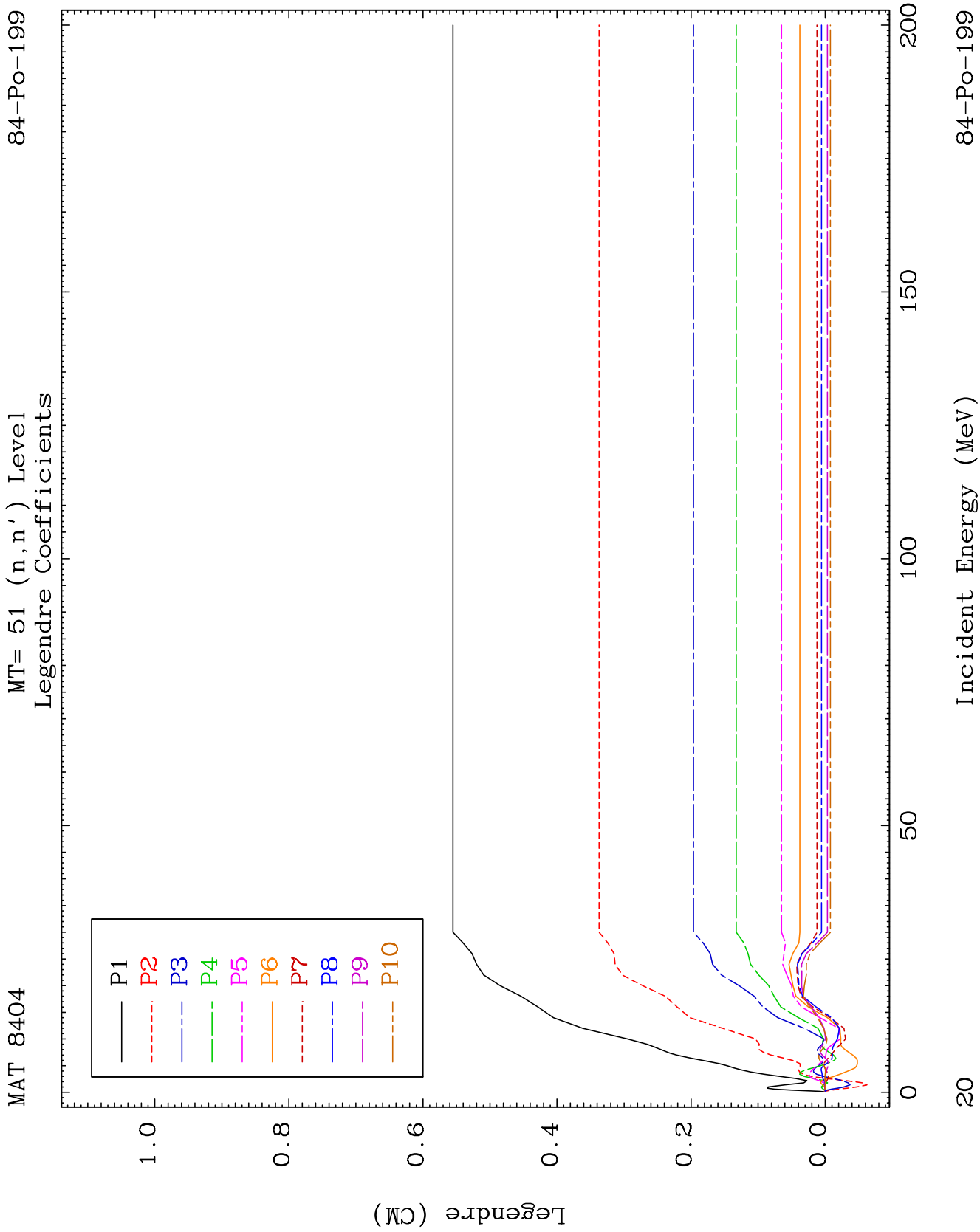
84-Po-199







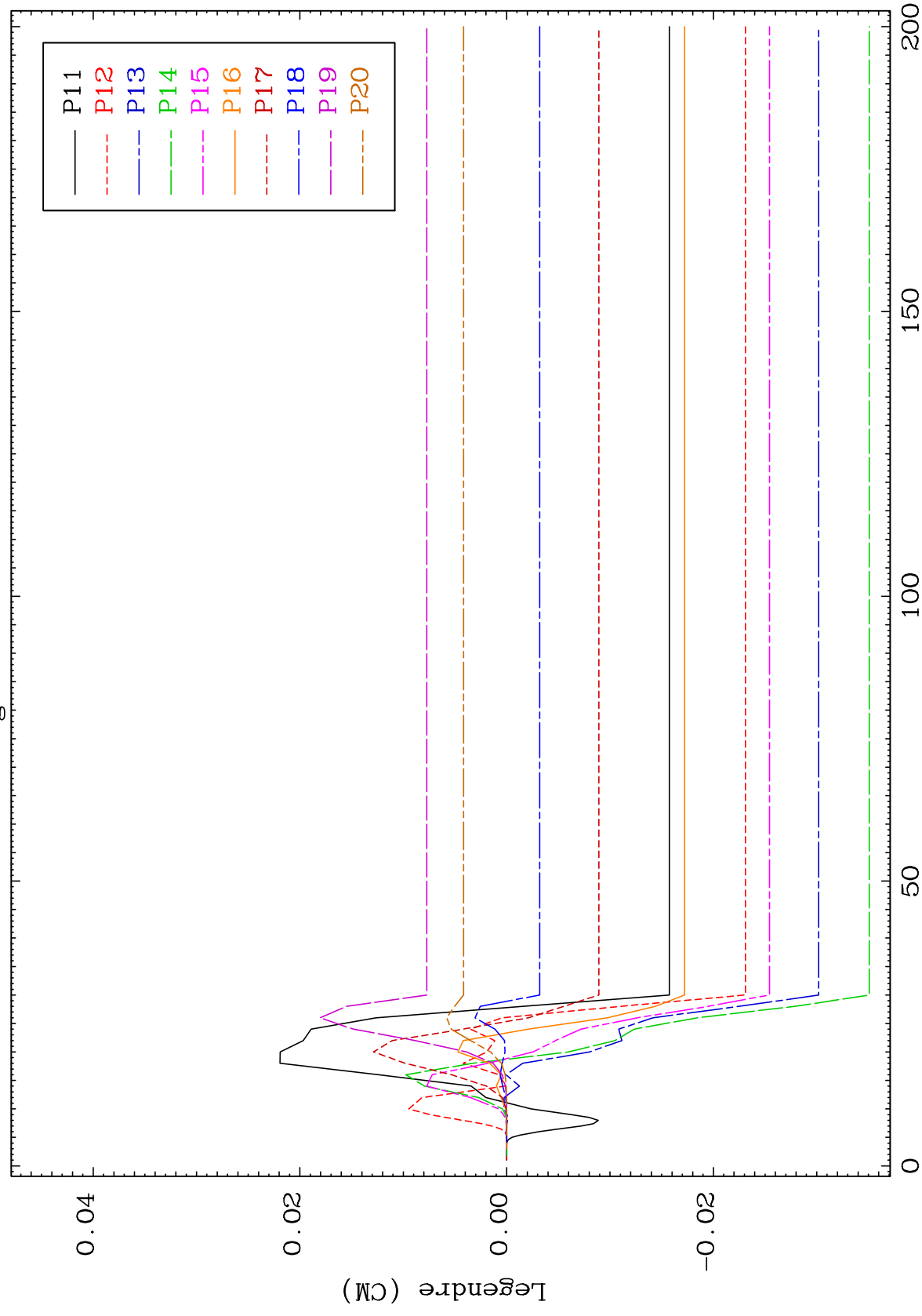




MAT 8404

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

84-Po-199



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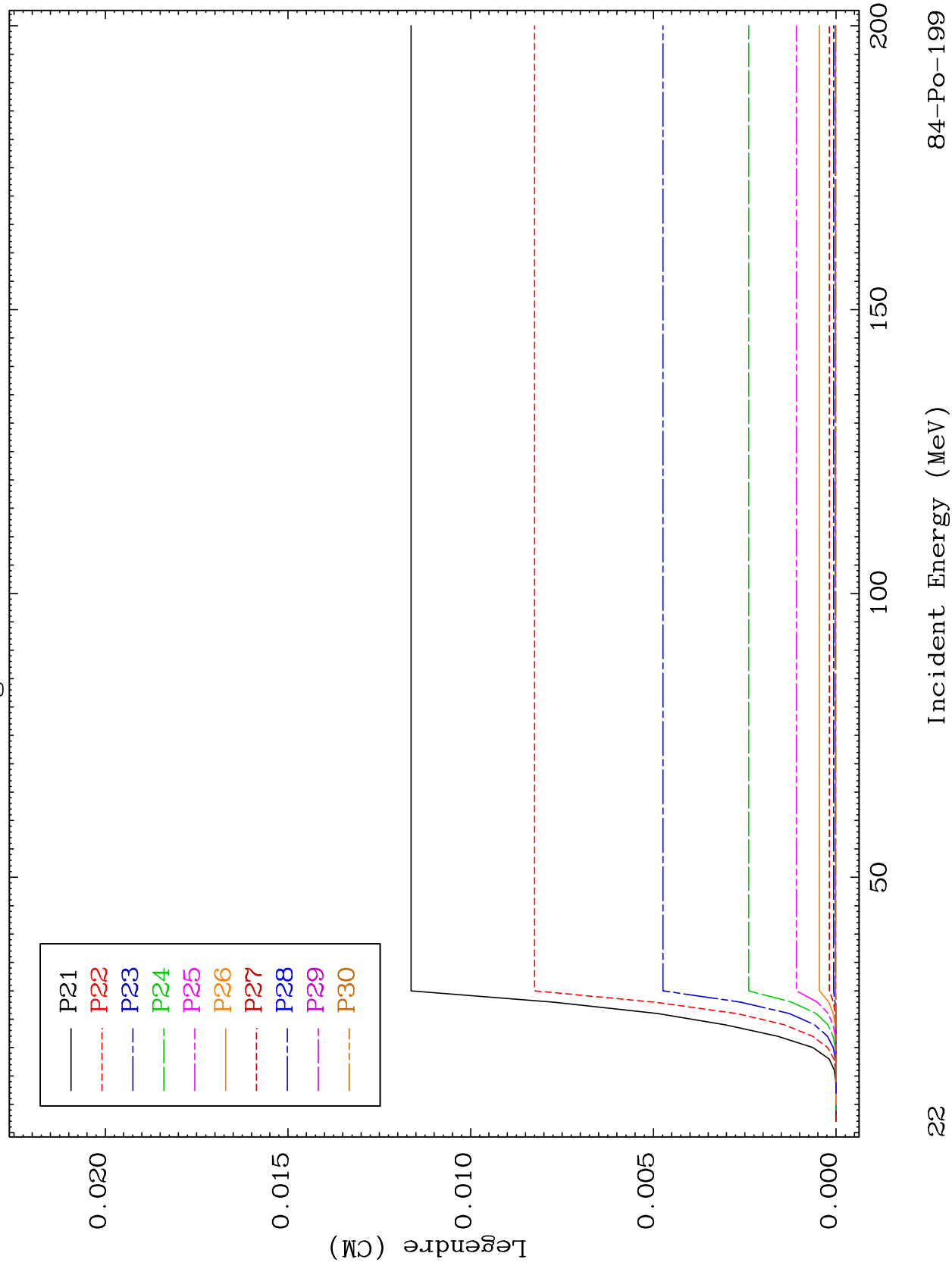
Incident Energy (MeV)

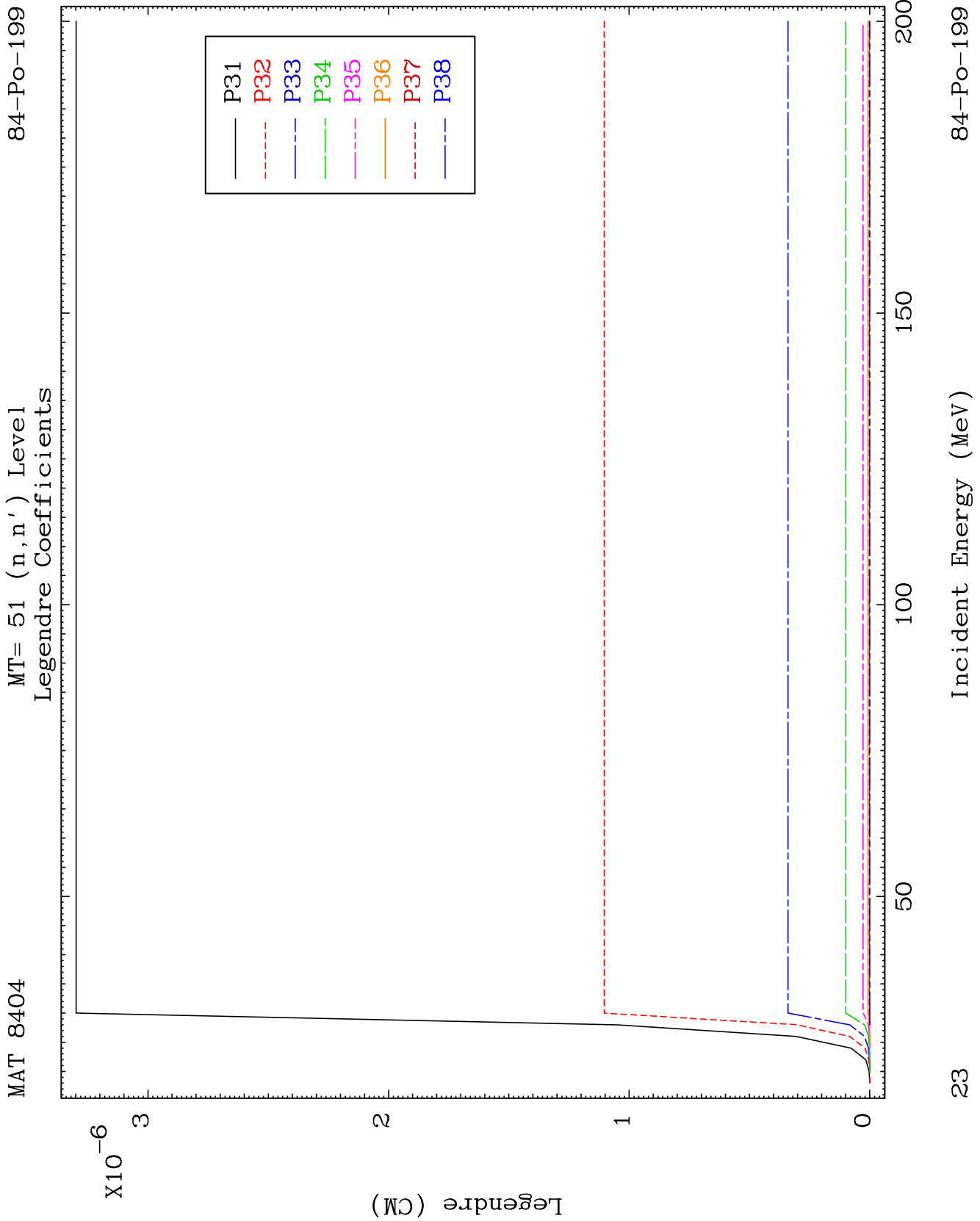
84-Po-199

MAT 8404

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

84-Po-199

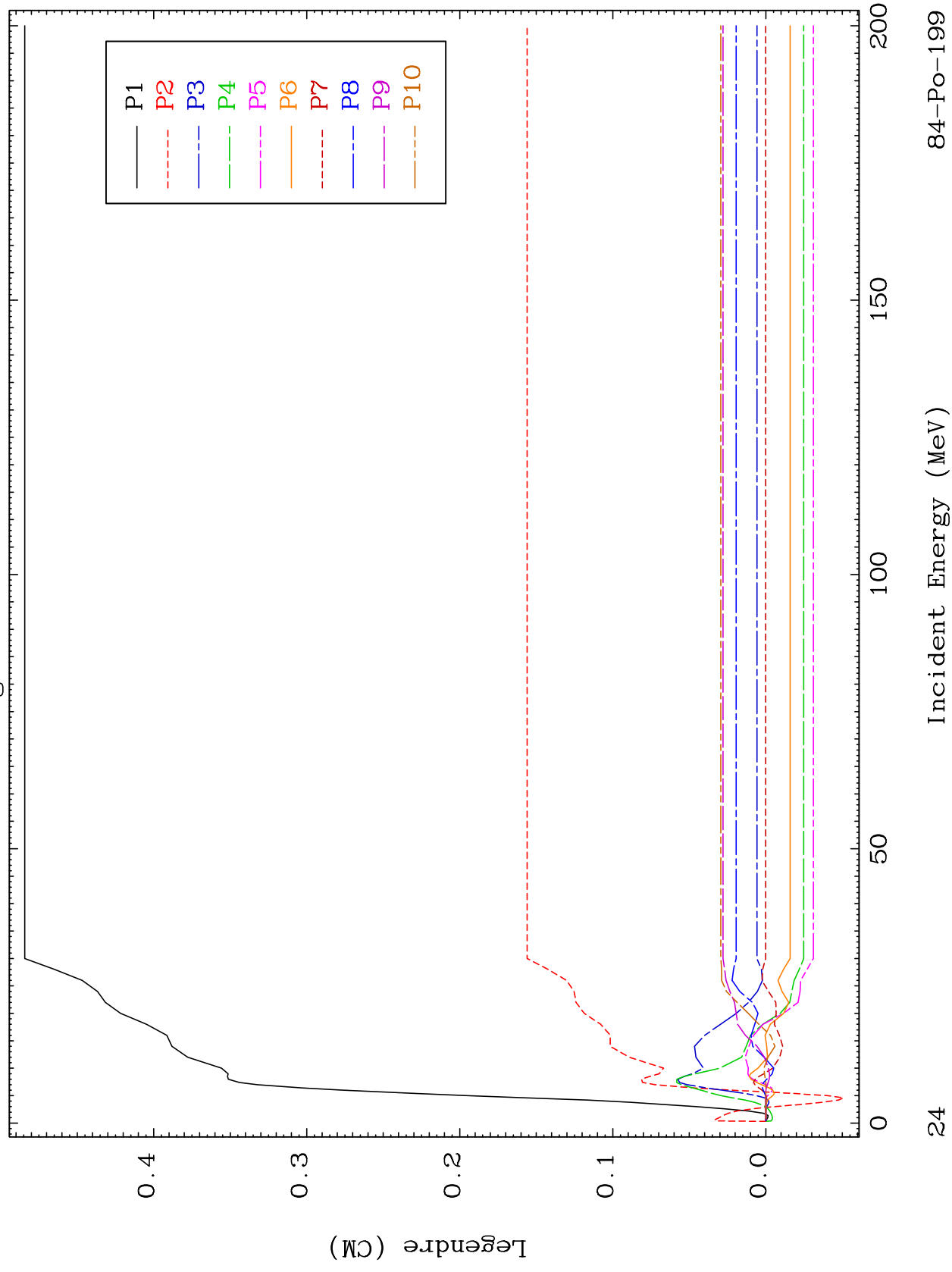




MAT 8404

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

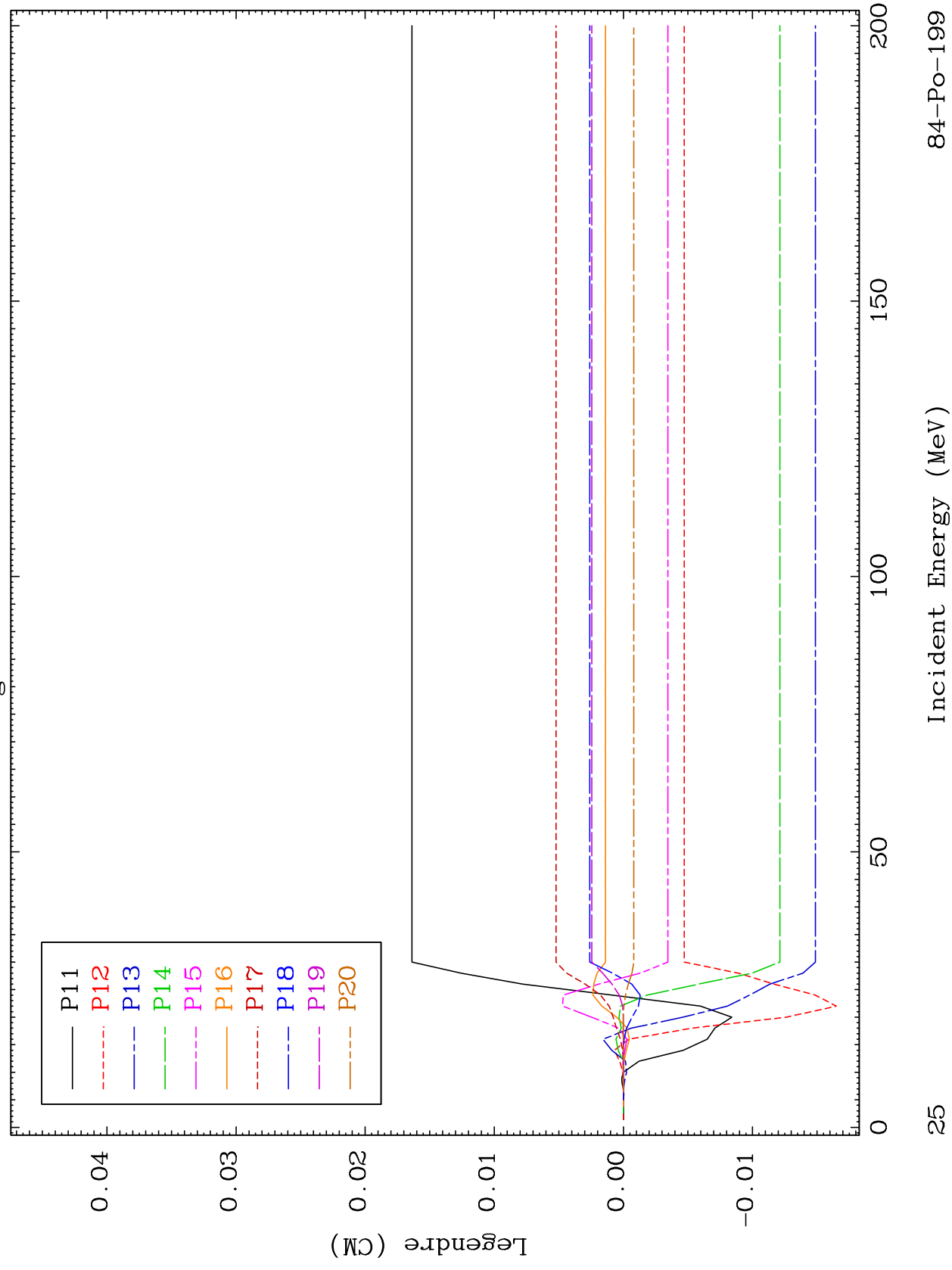
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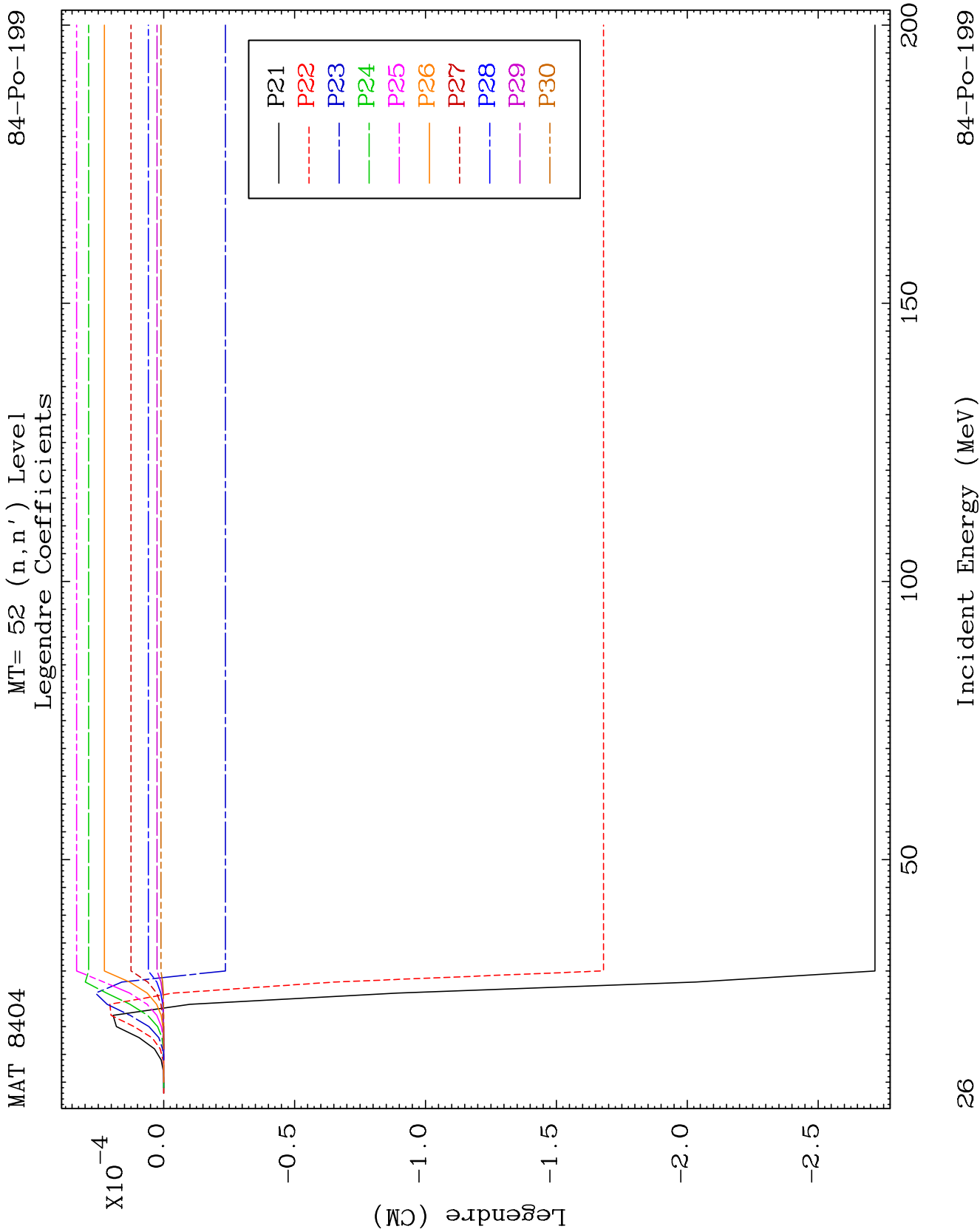


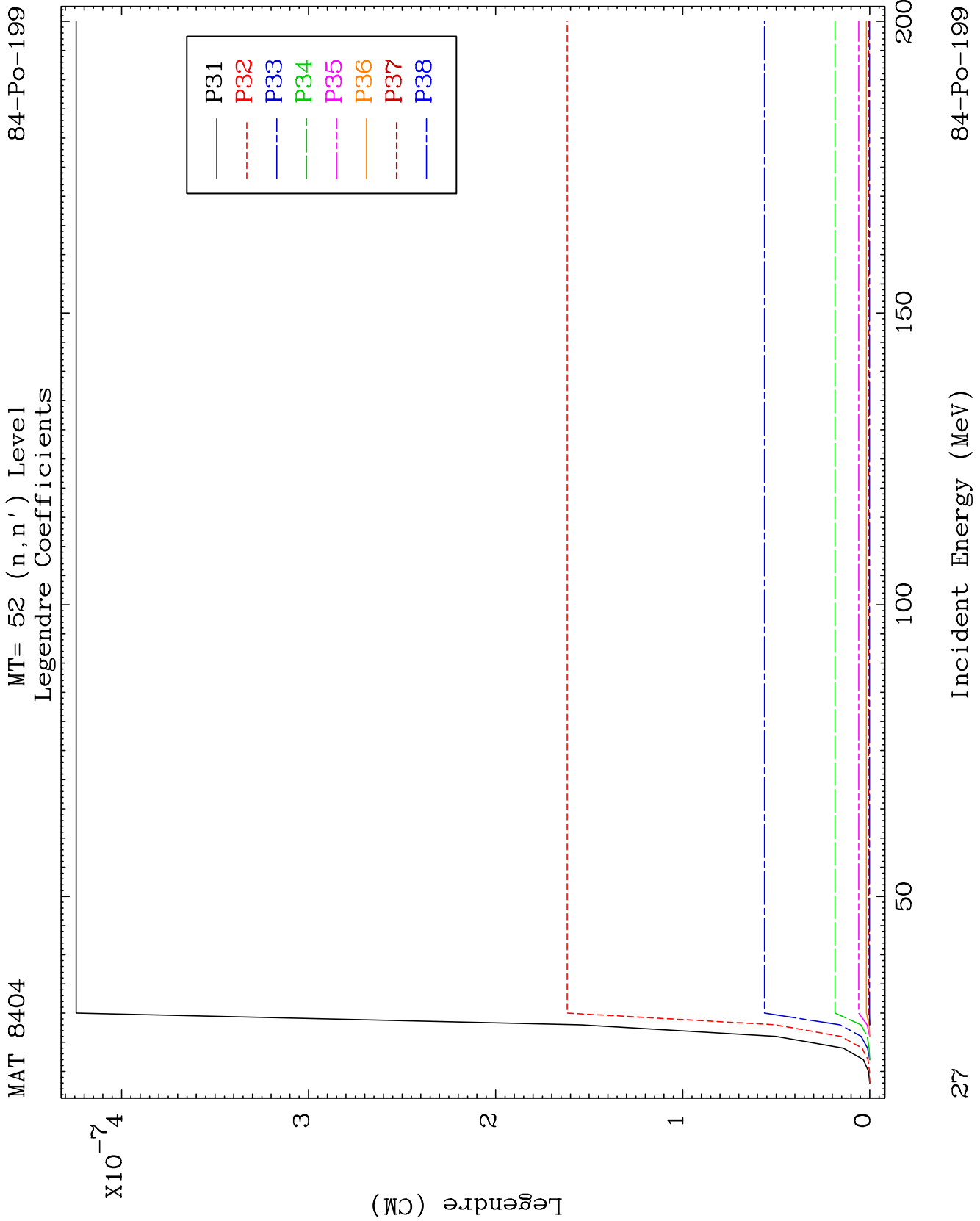
MAT 8404

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

84-Po-199



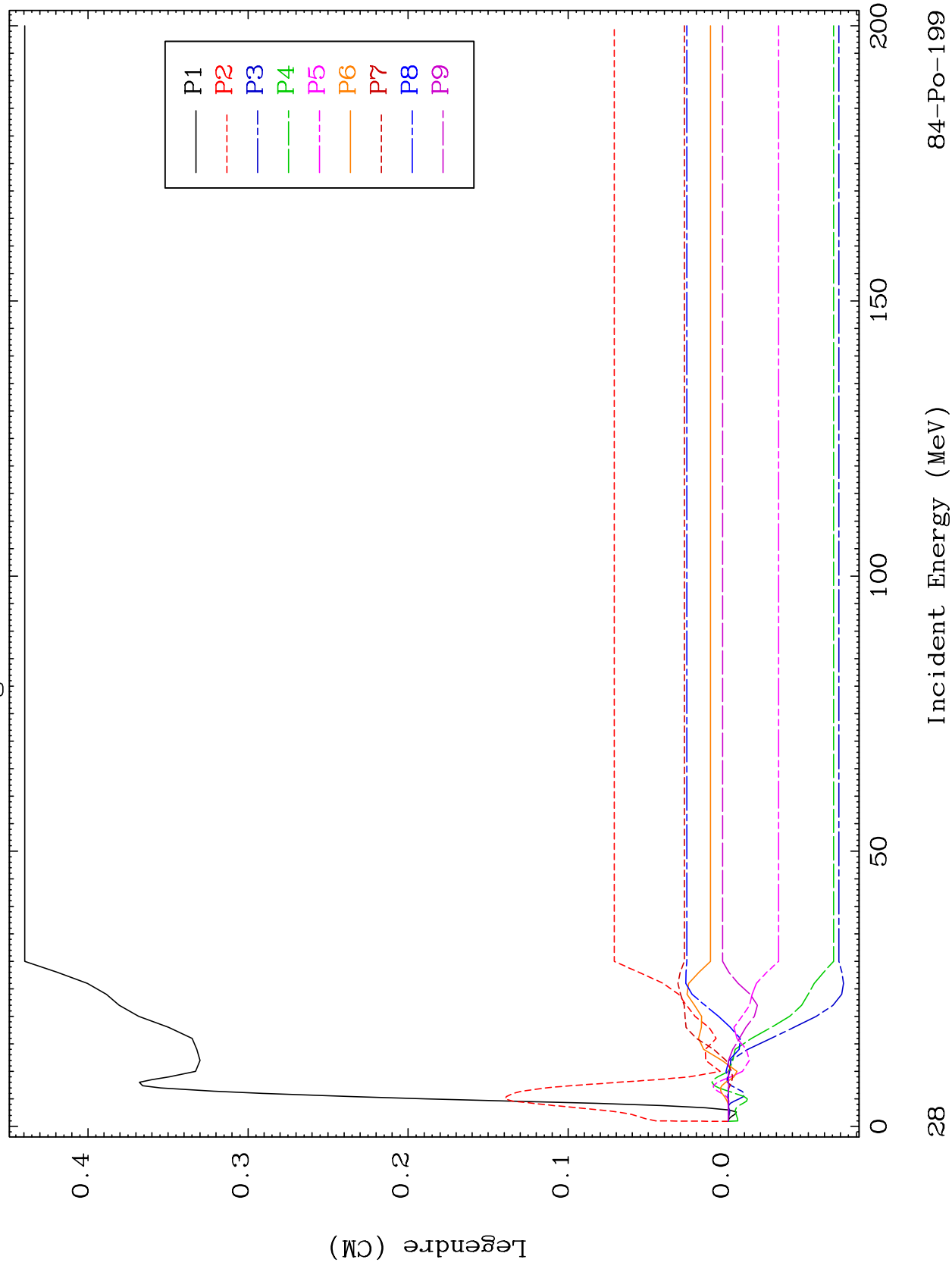




MAT 8404

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

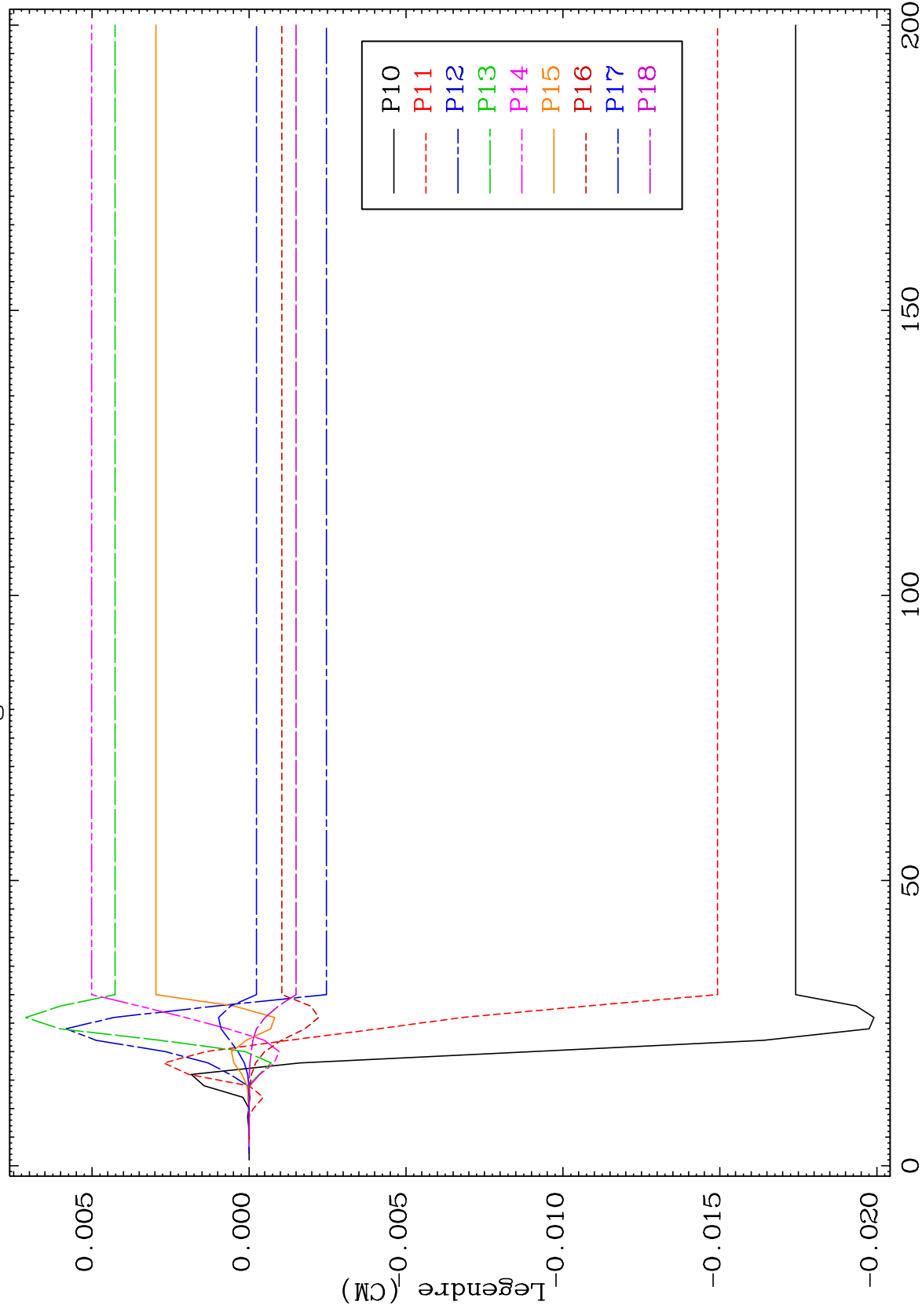
84-Po-199



MAT 8404

84-Po-199

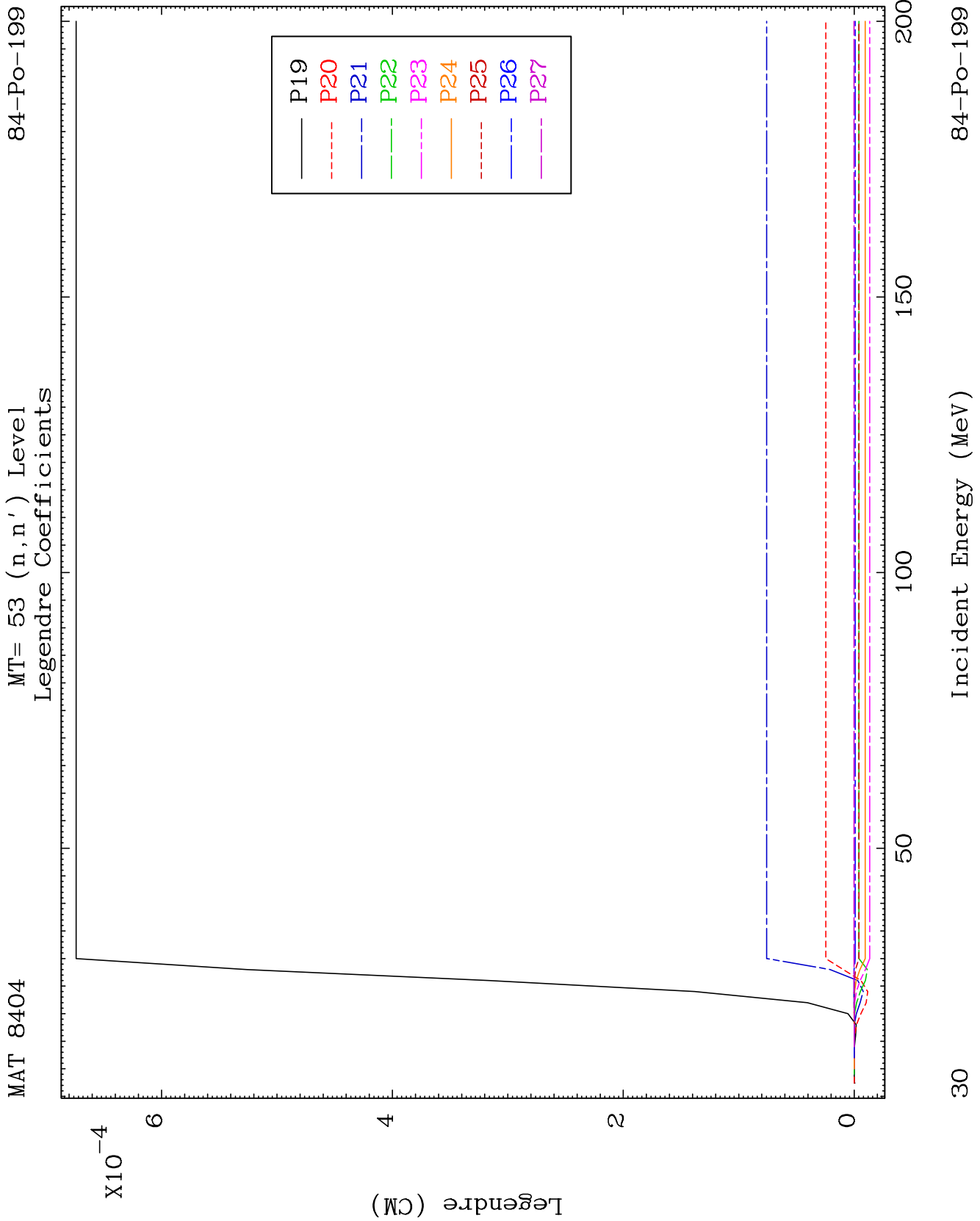
MT= 53 (n, n') Level
Legendre Coefficients

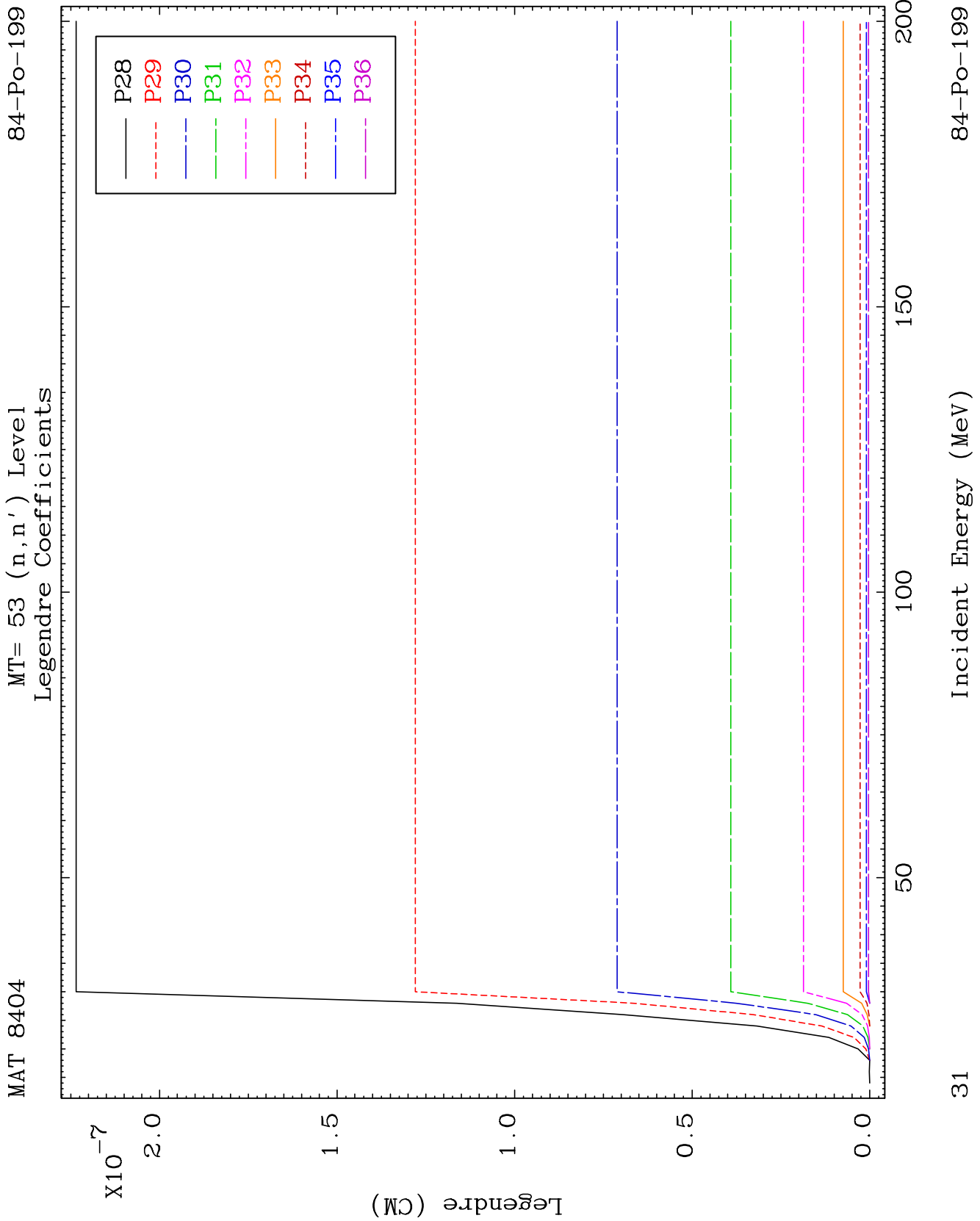


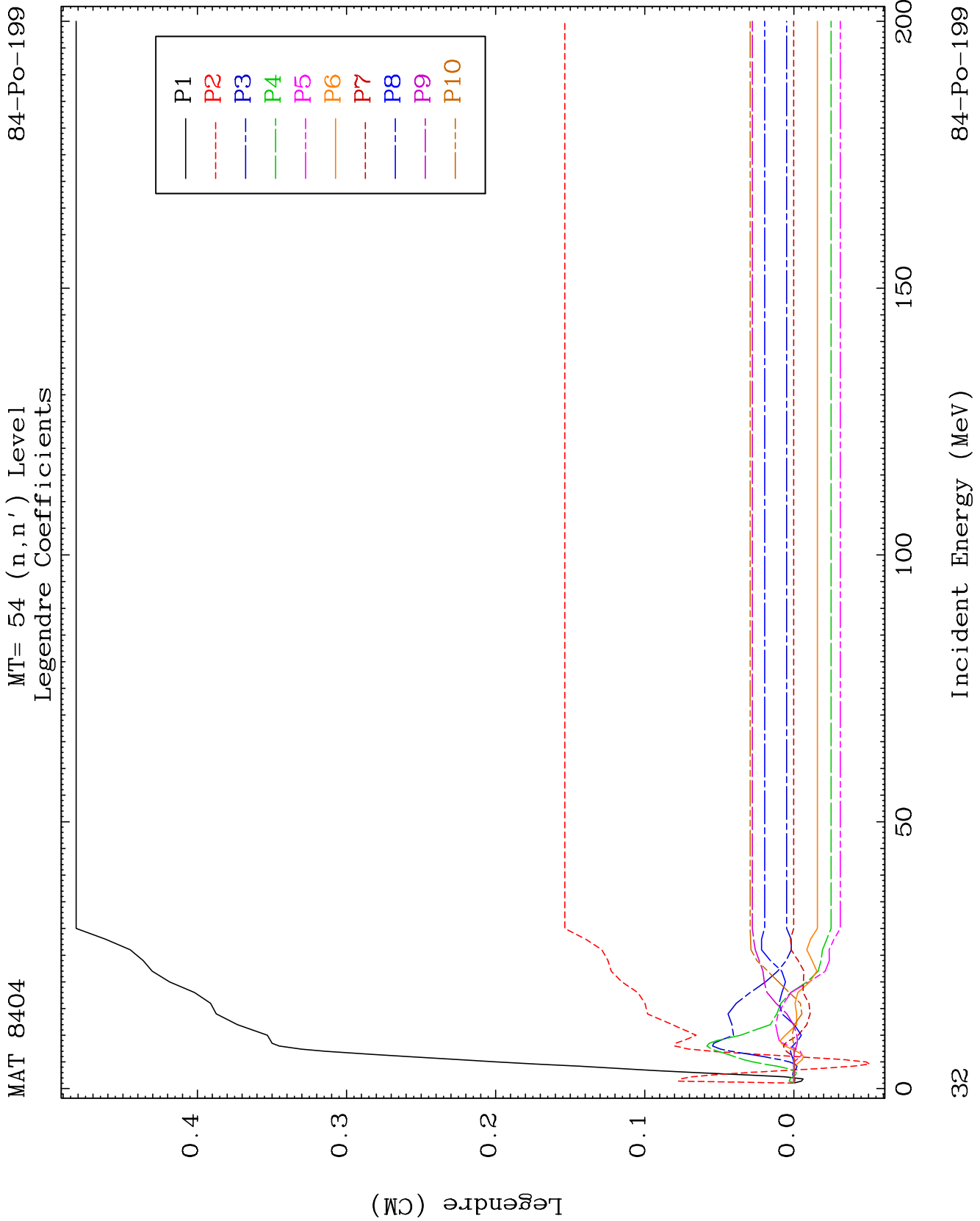
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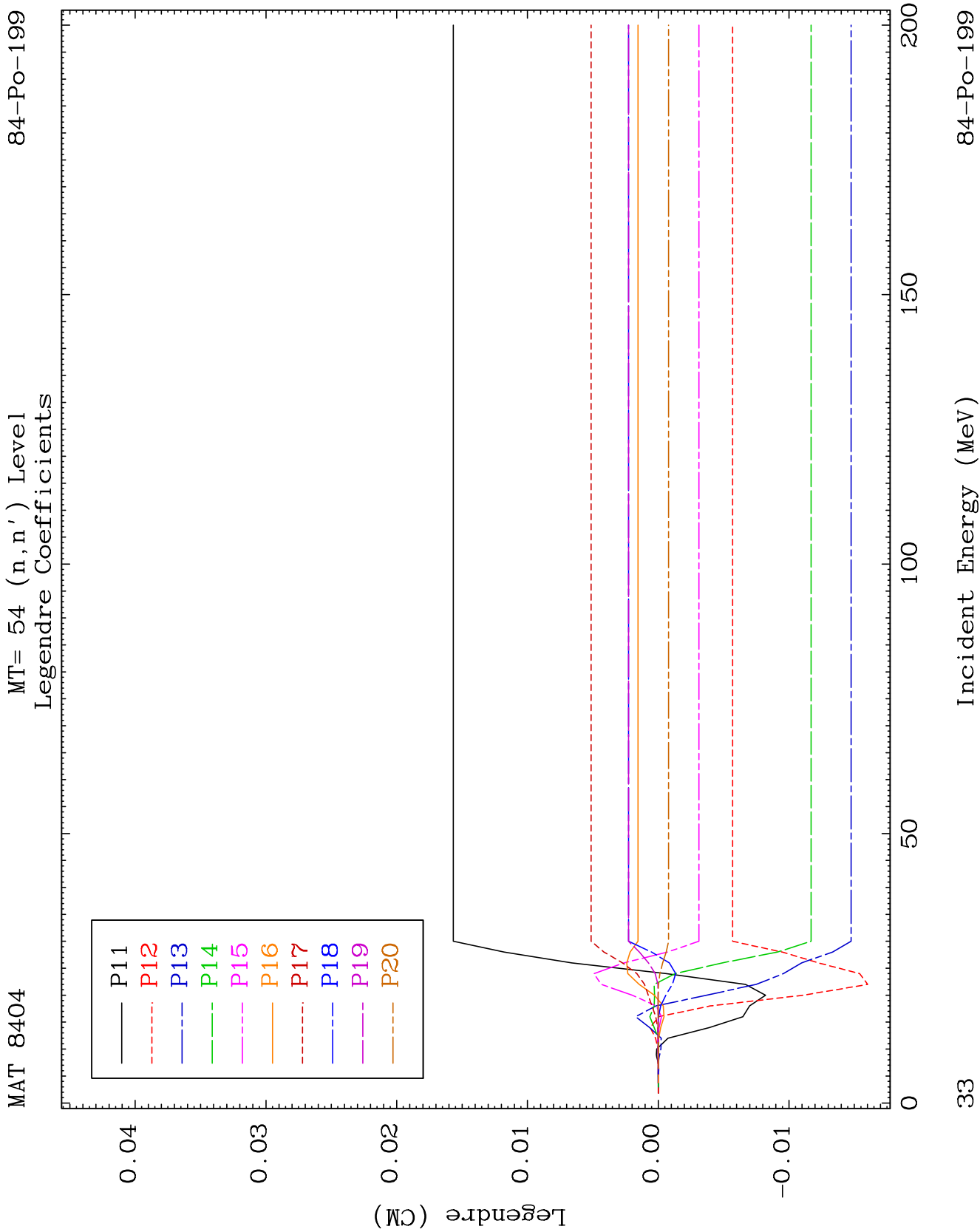
Incident Energy (MeV)

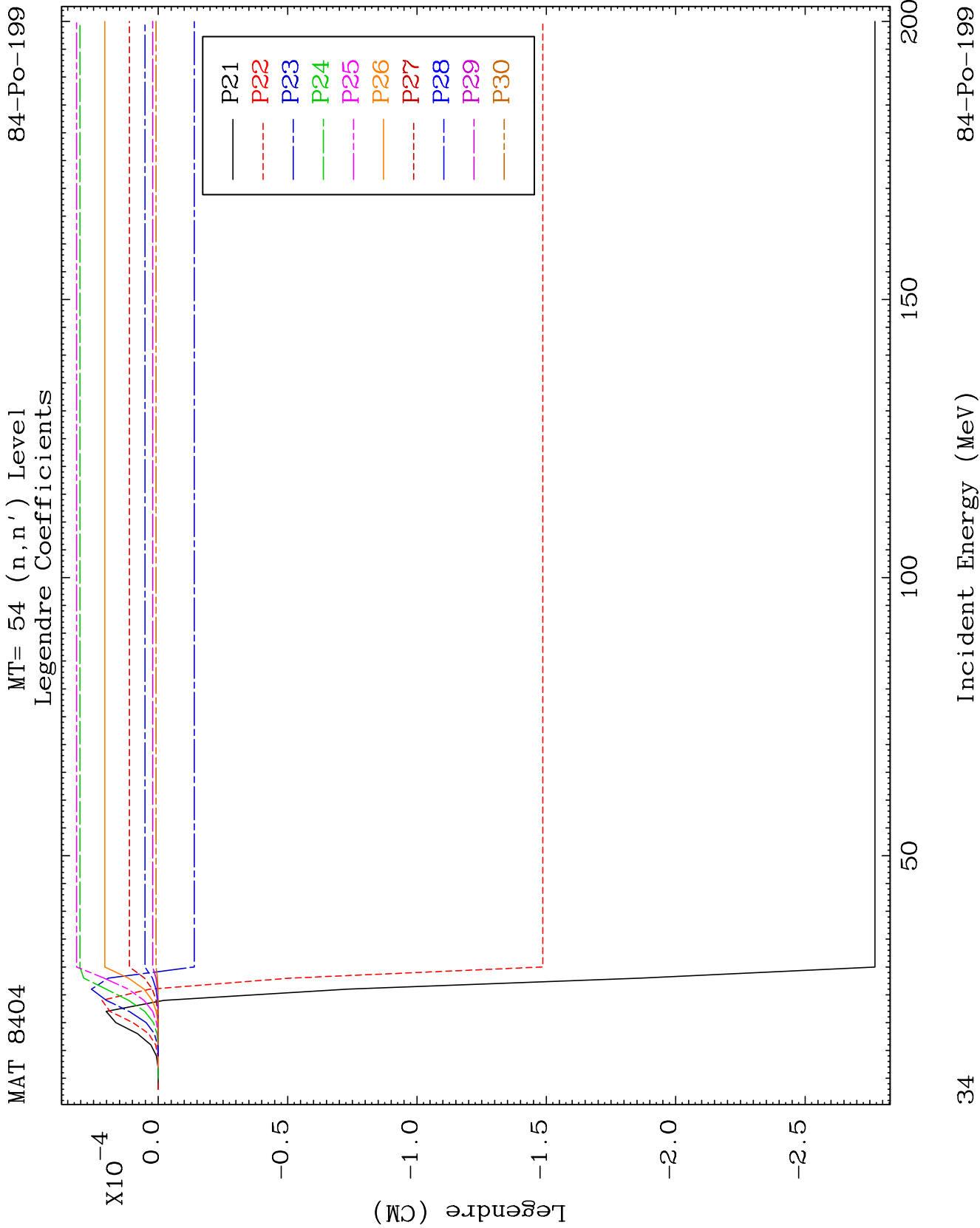
84-Po-199

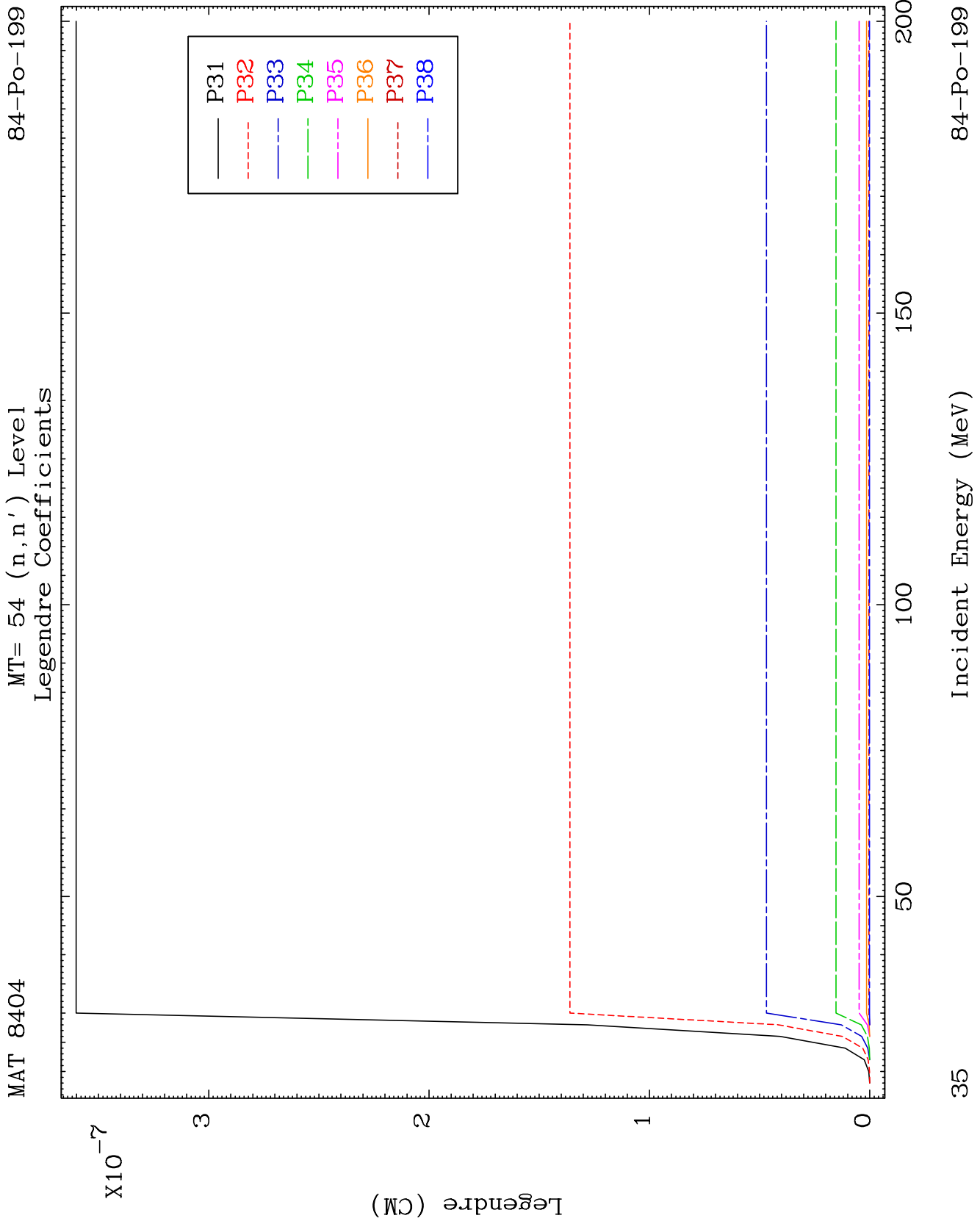








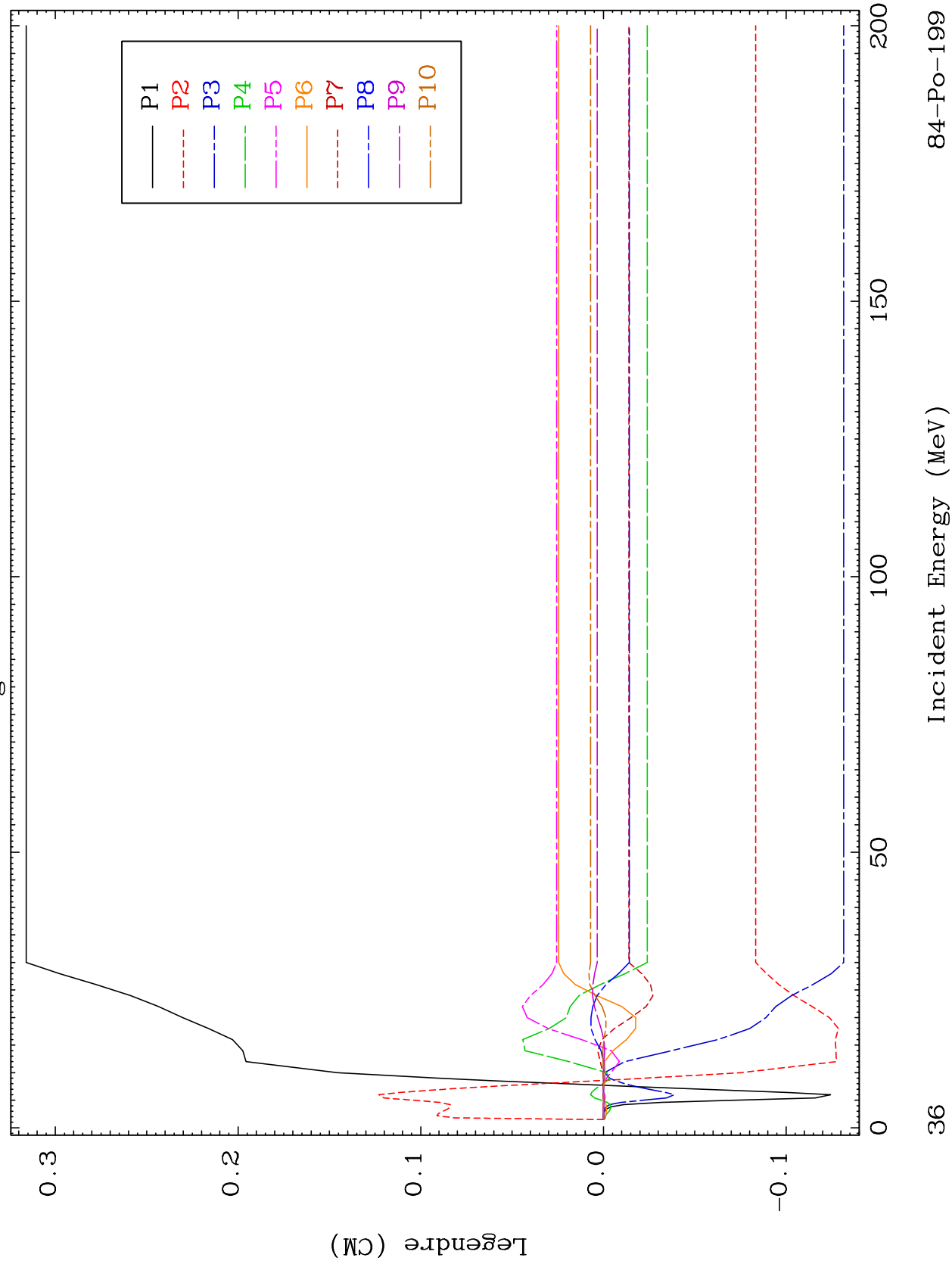




MAT 8404

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

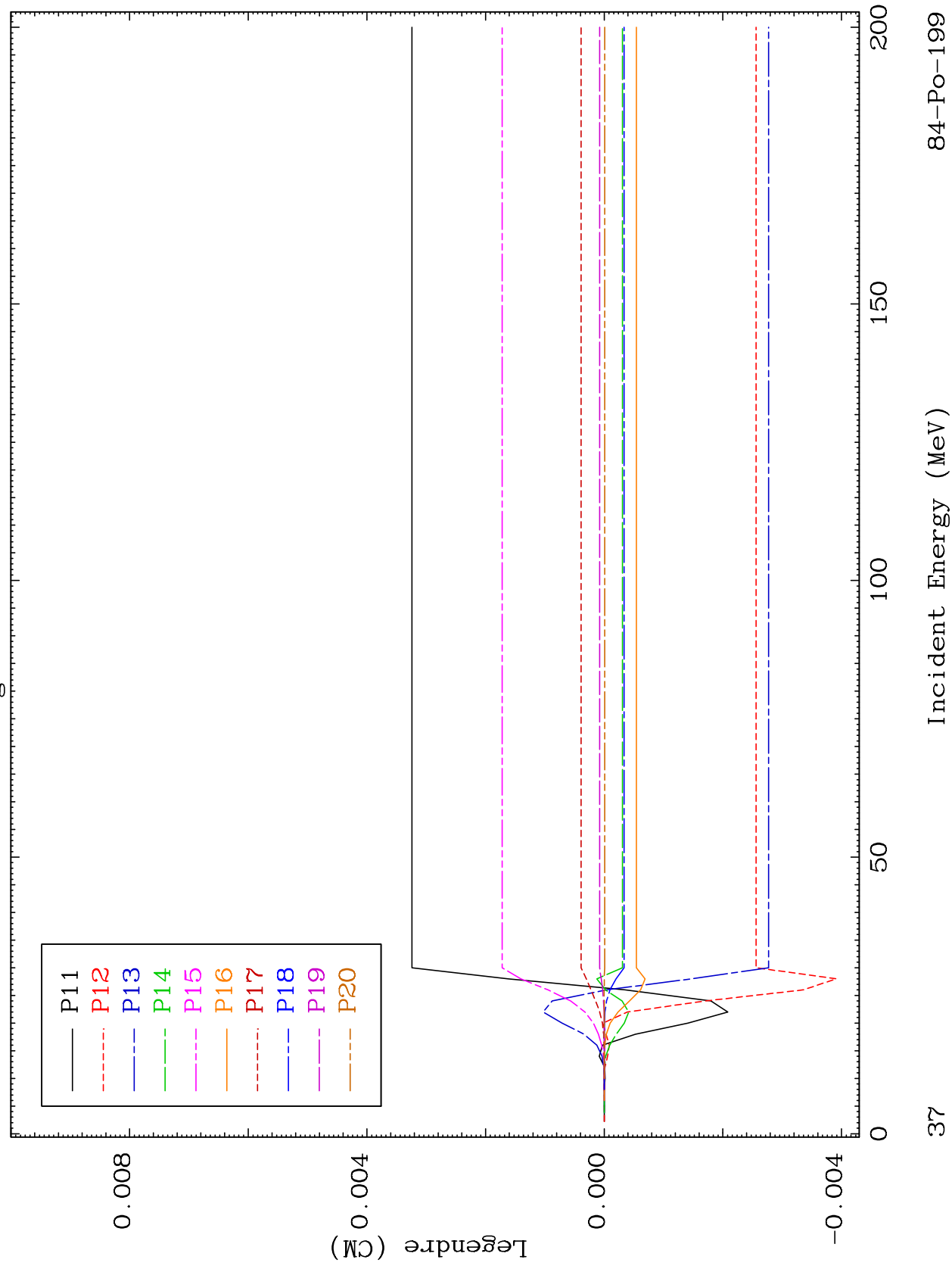
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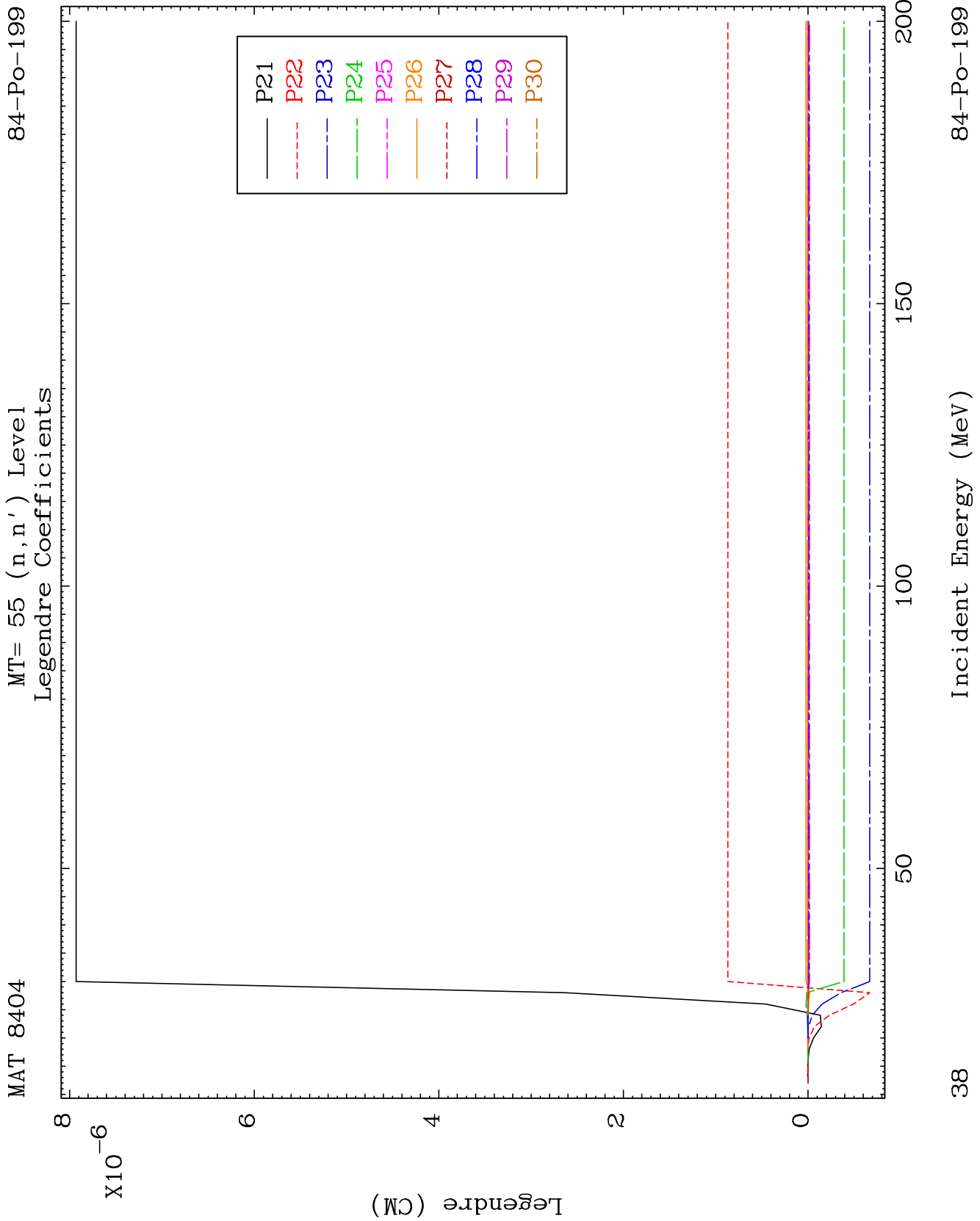


MAT 8404

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

84-Po-199

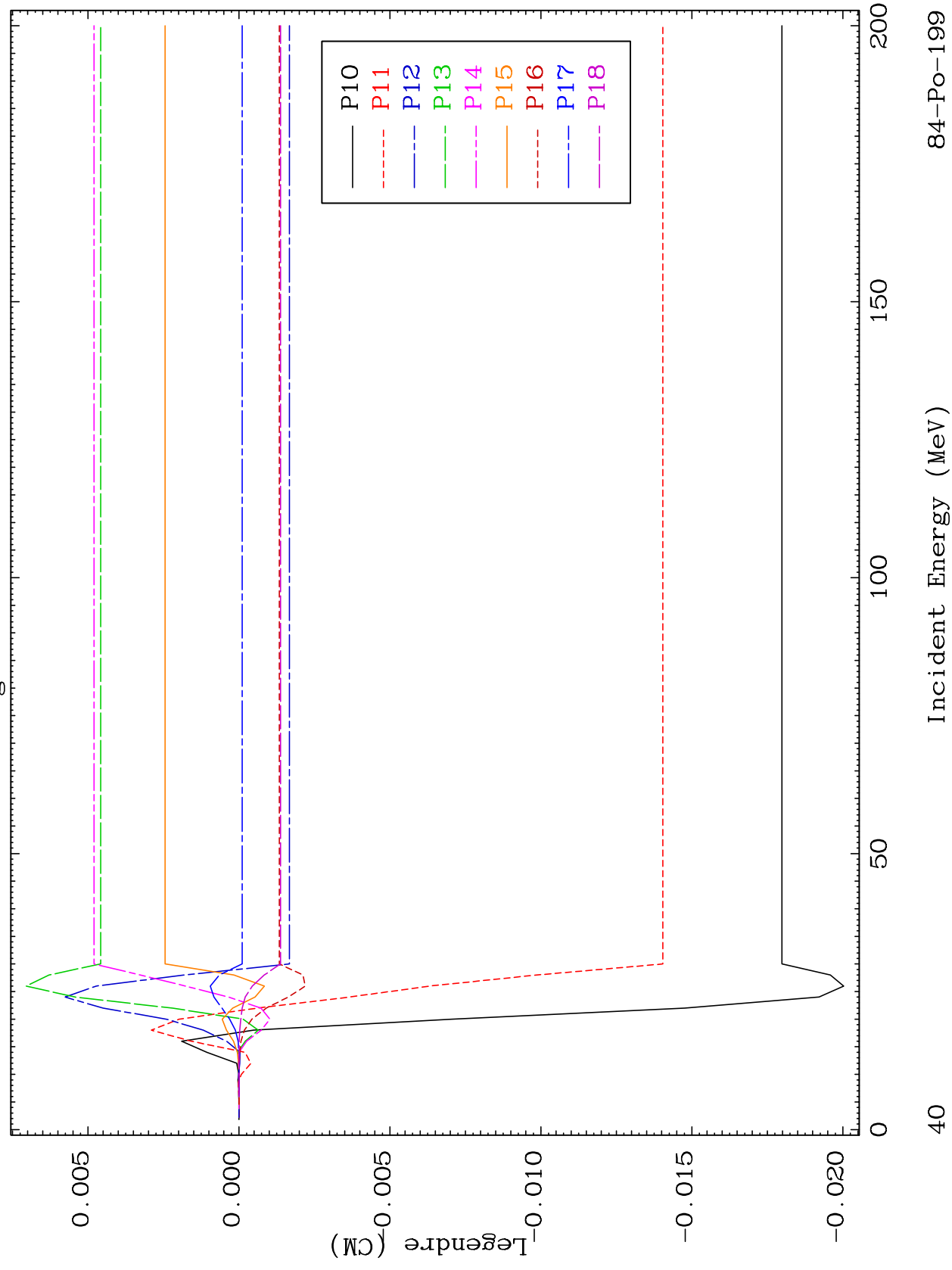




MAT 8404

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

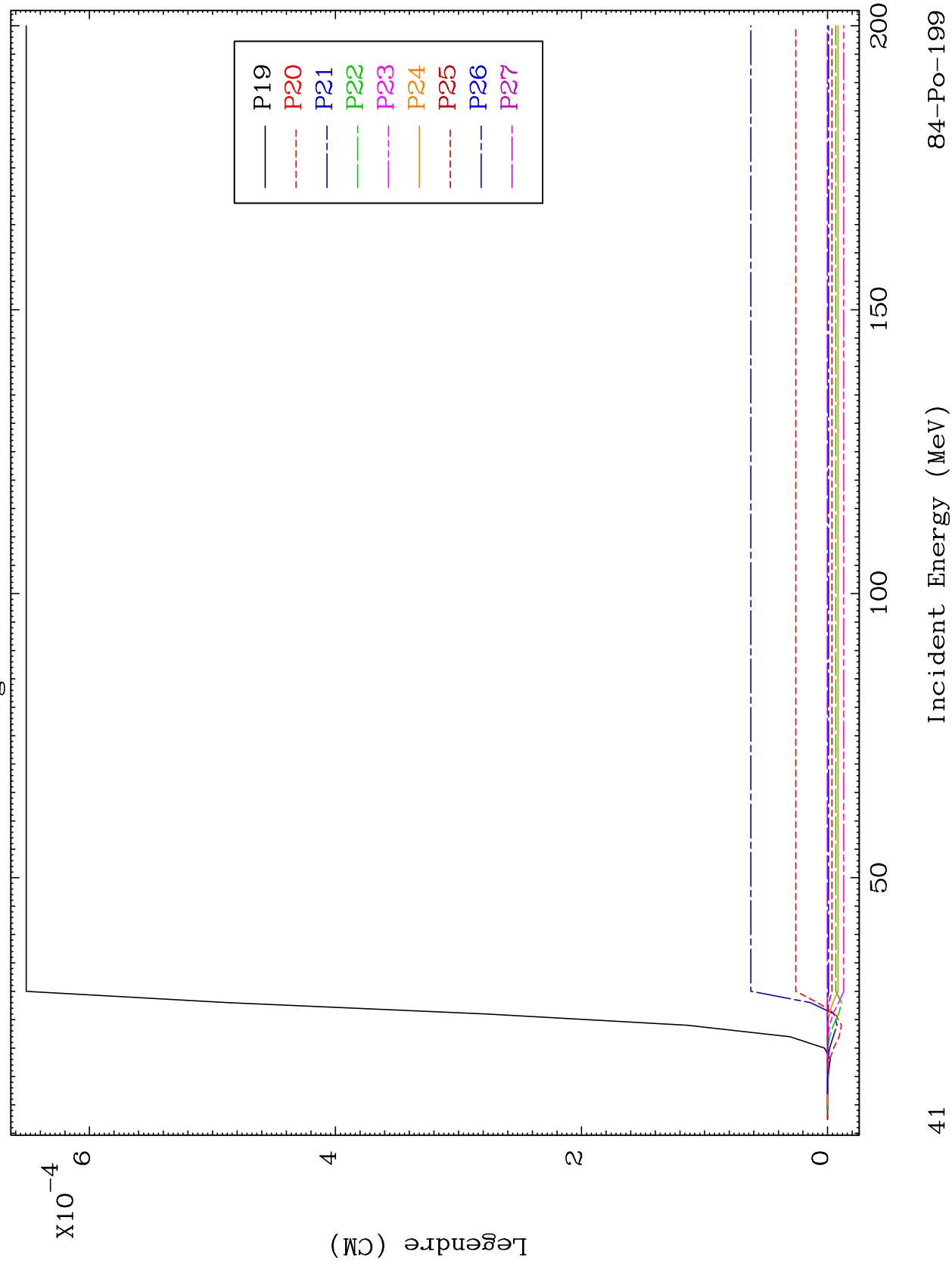
84-Po-199



MAT 8404

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

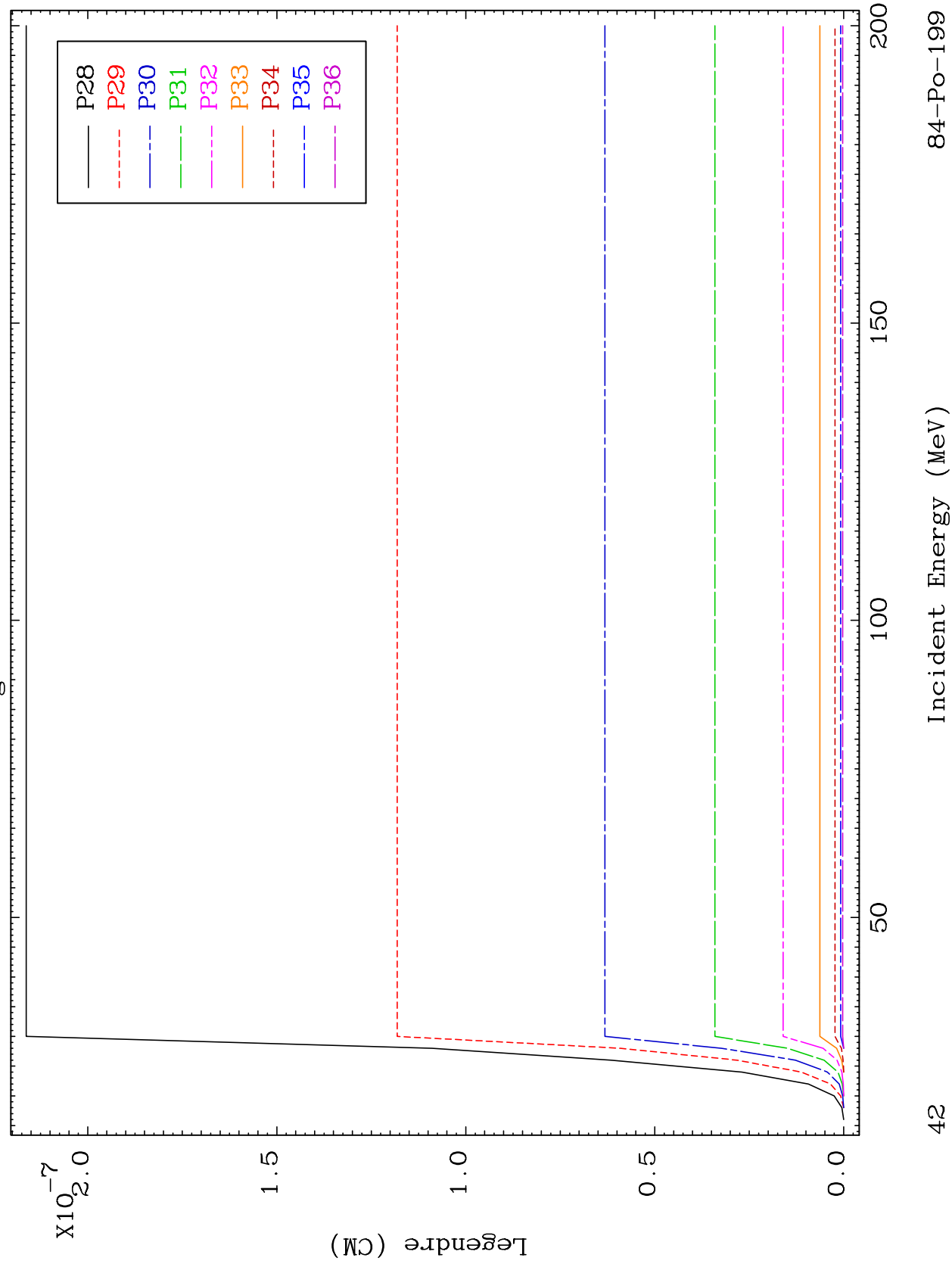
84-Po-199



MAT 8404

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

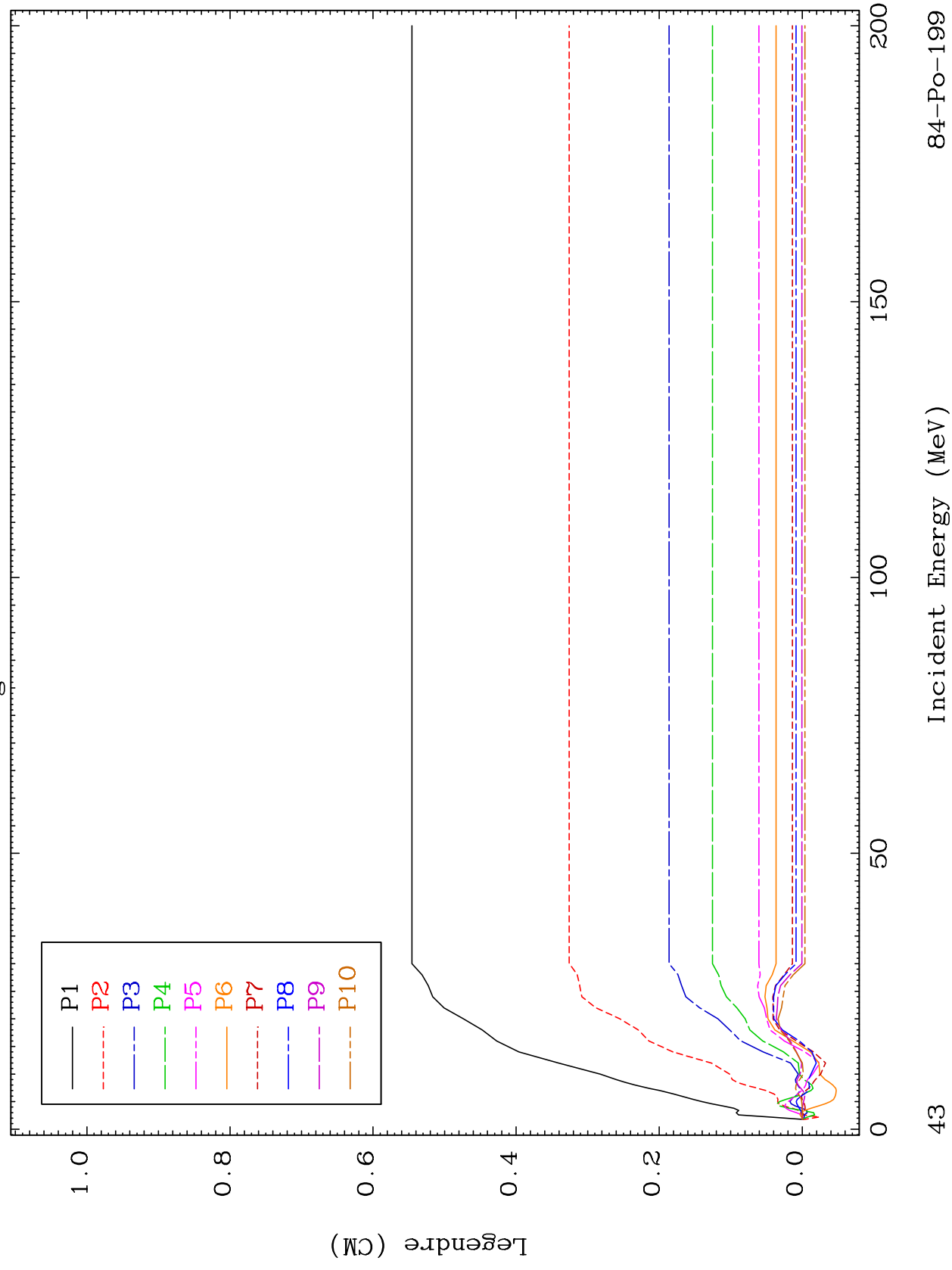
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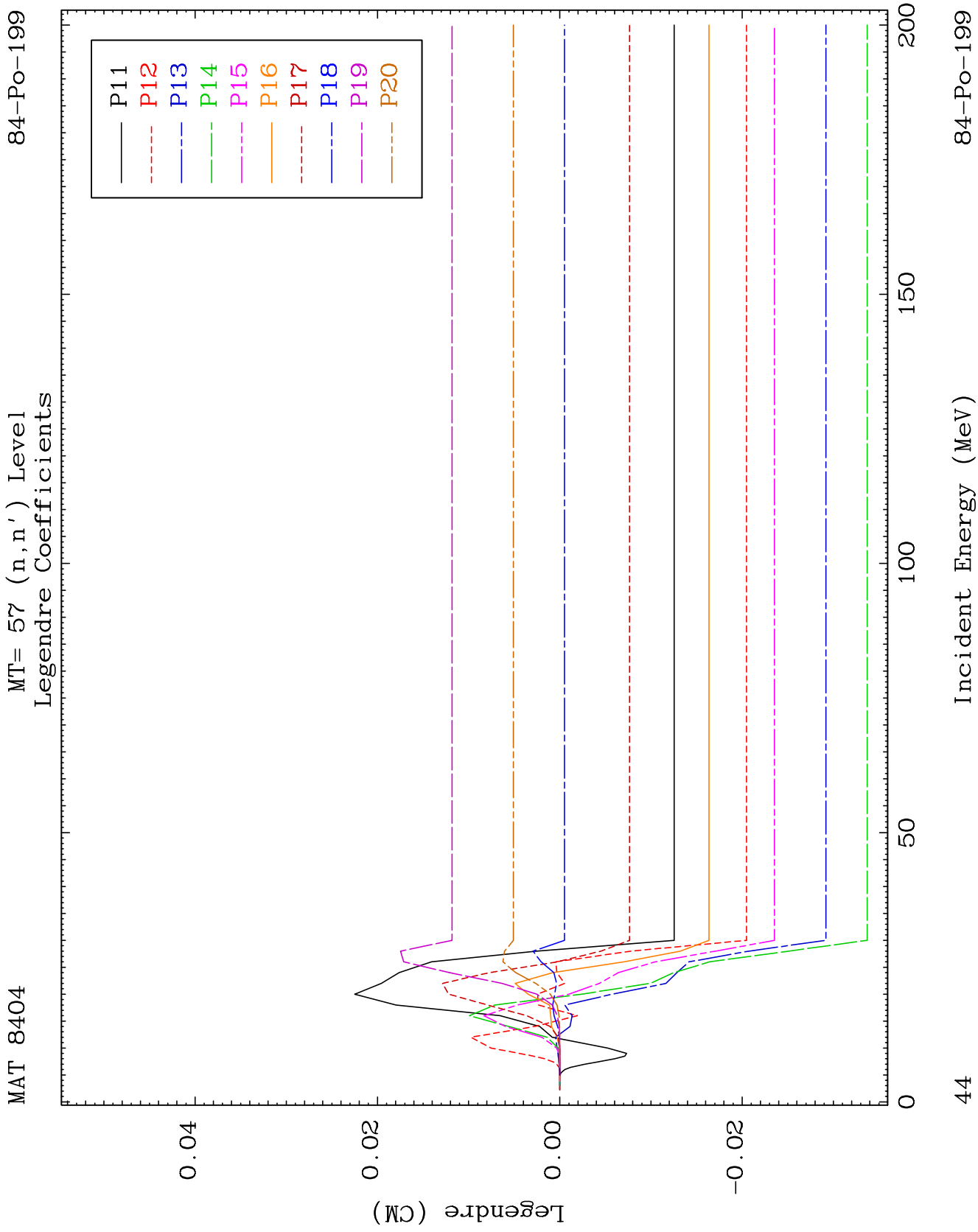


MAT 8404

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

84-Po-199

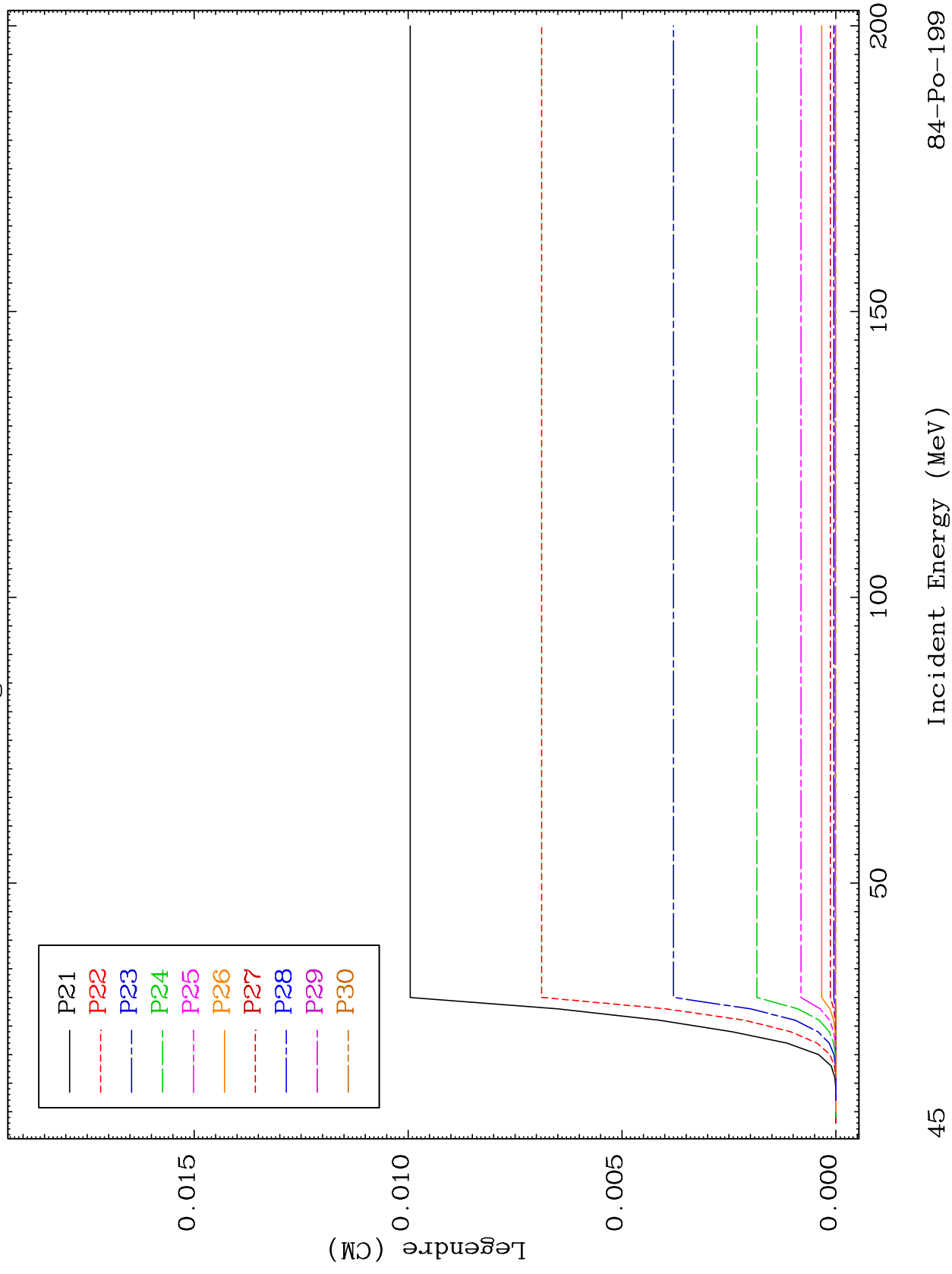


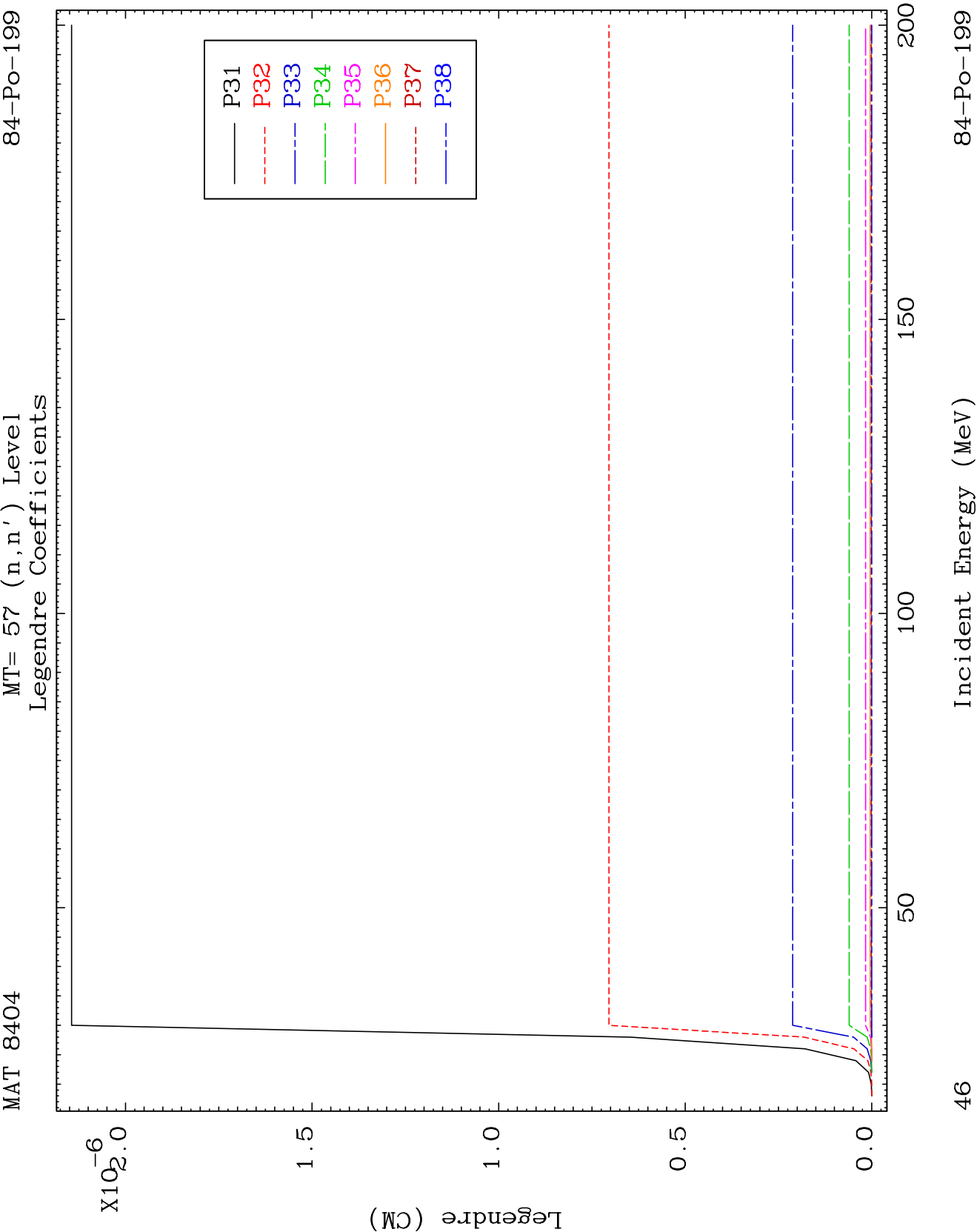


MAT 8404

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

84-Po-199



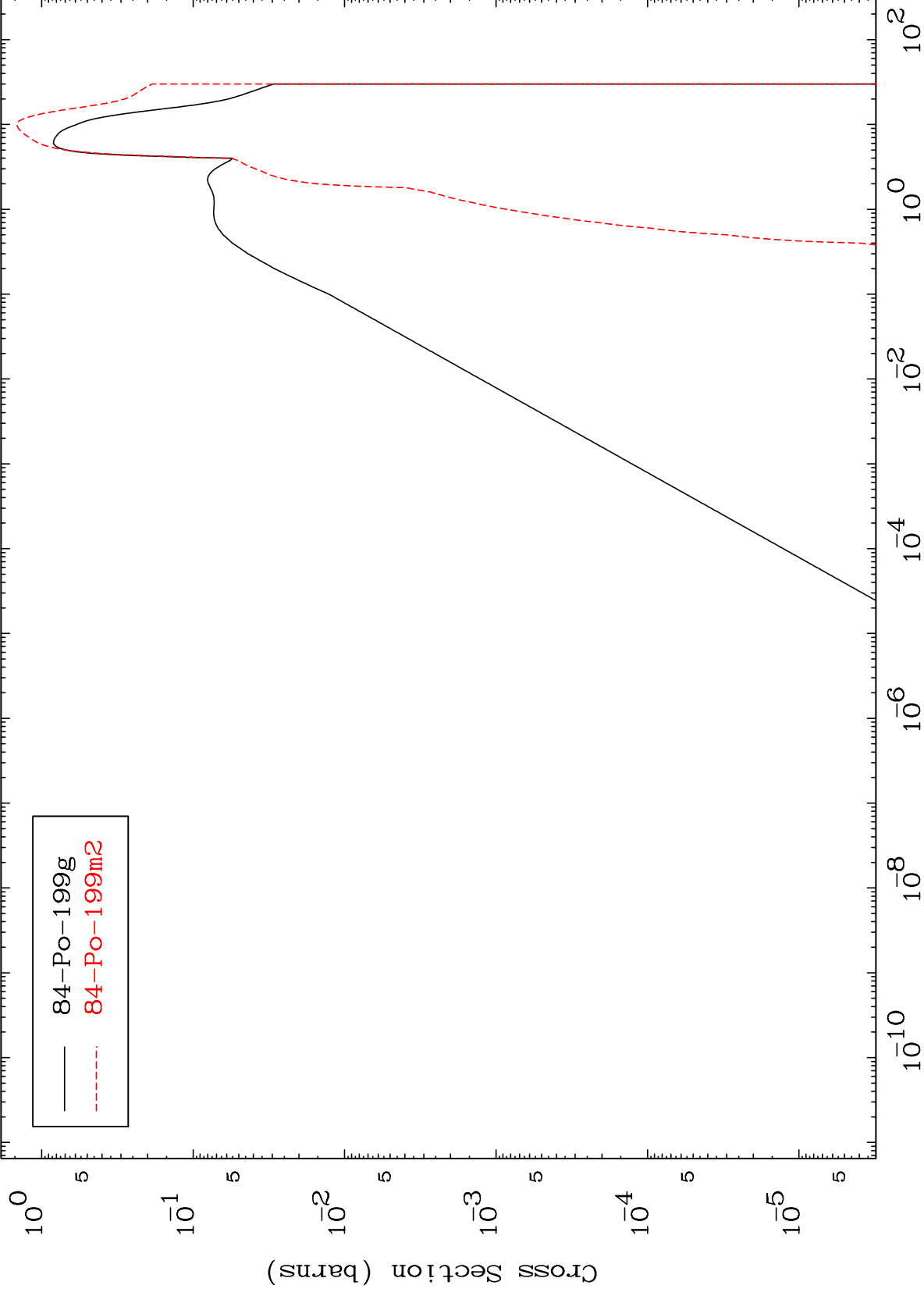


MAT 8404

Inelastic

84-Po-199

Radionuclide Production Cross Section



84-Po-199g
84-Po-199m2

47

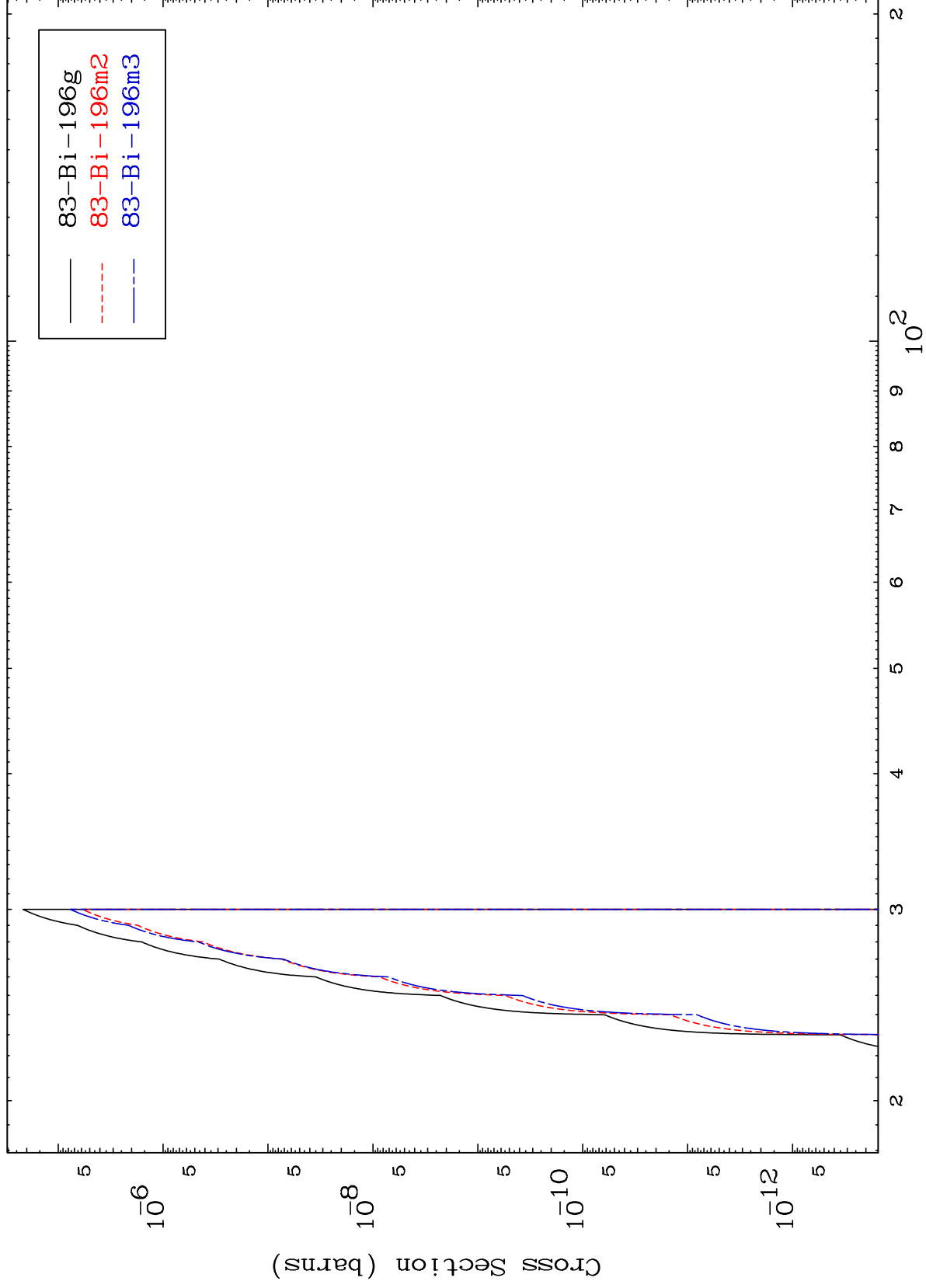
Incident Energy (MeV)

84-Po-199

MAT 8404

84-Po-199

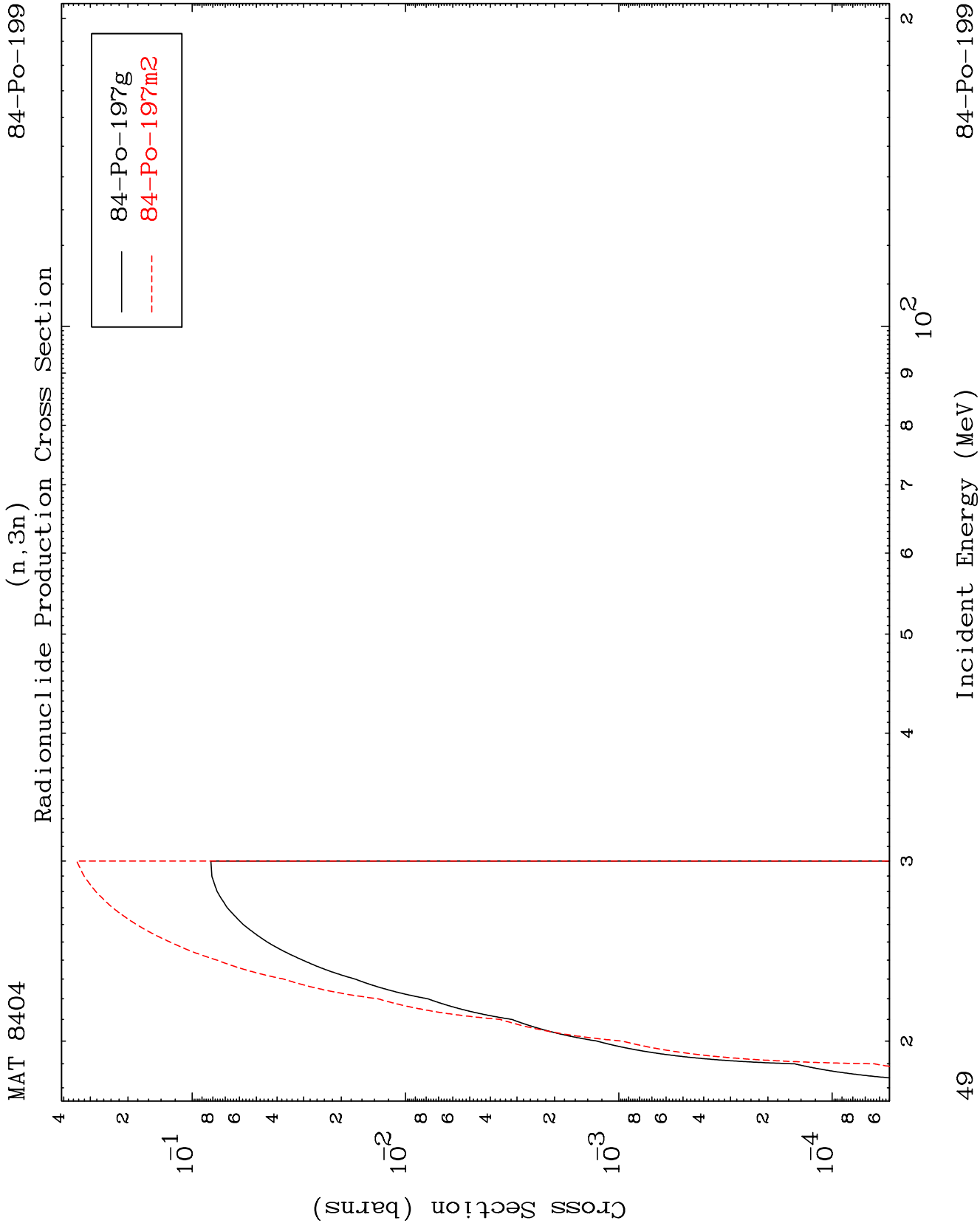
$(n,2n)$ d
Radionuclide Production Cross Section

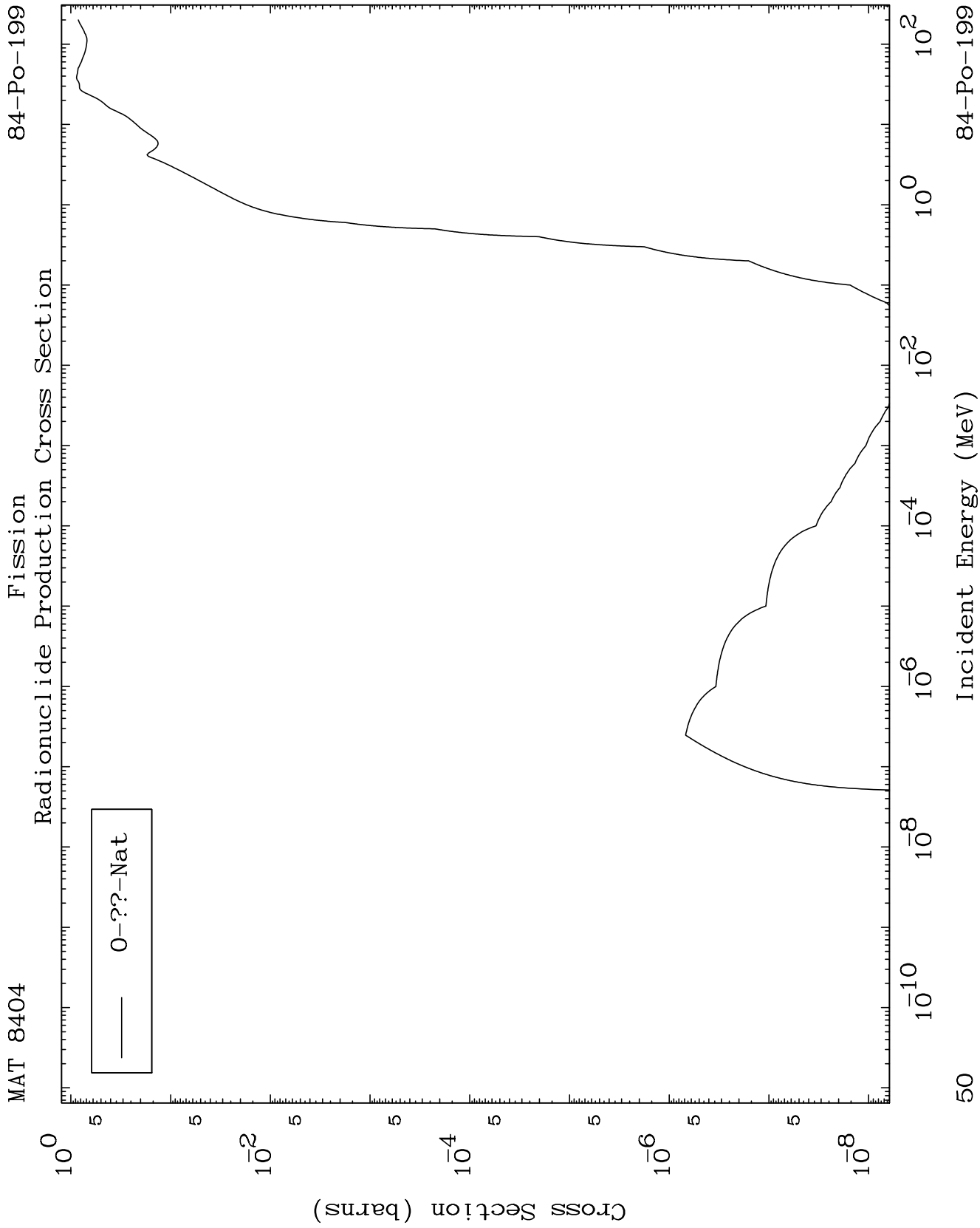


84-Po-199

Incident Energy (MeV)

48



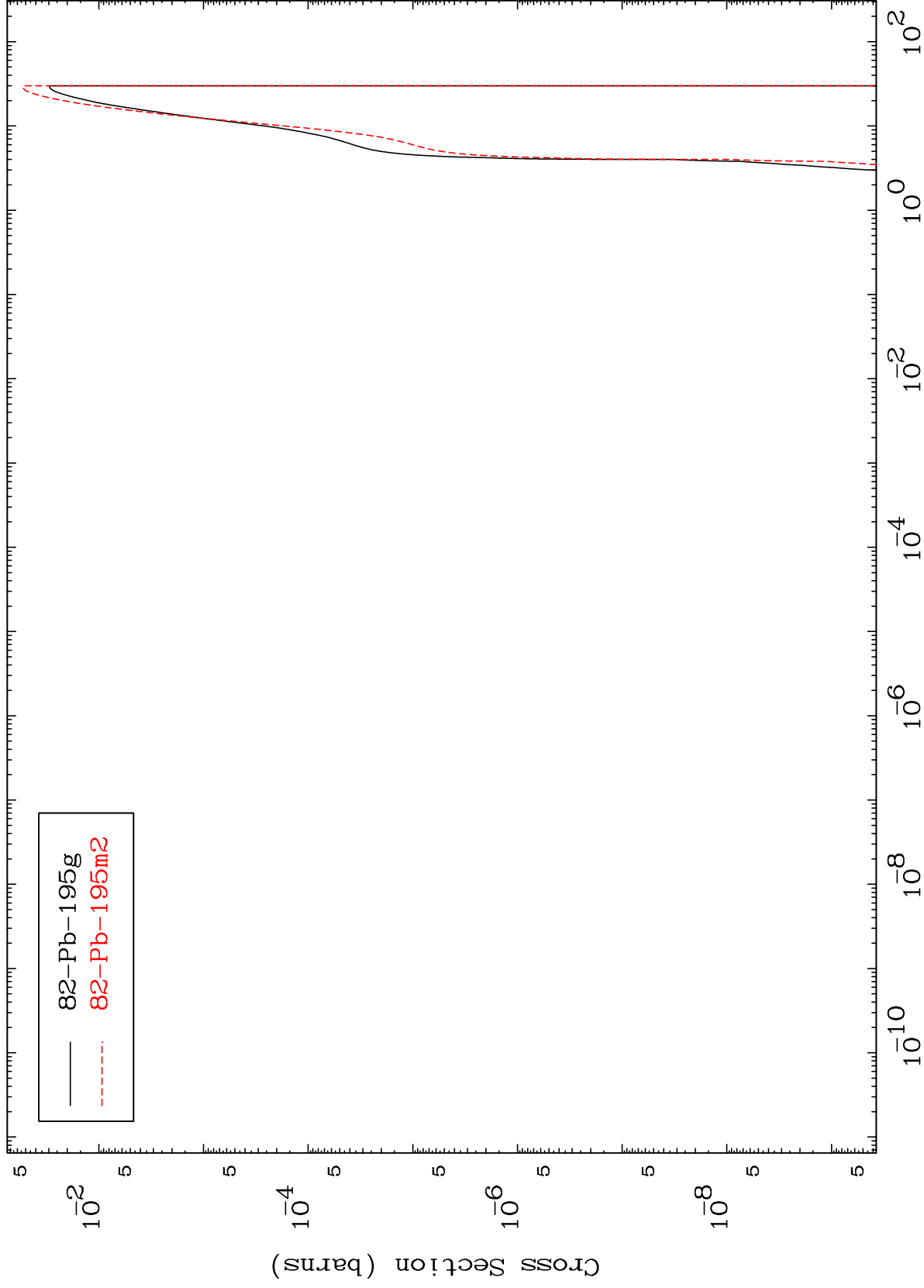


MAT 8404

$(n,n') \alpha$

84-Po-199

Radionuclide Production Cross Section

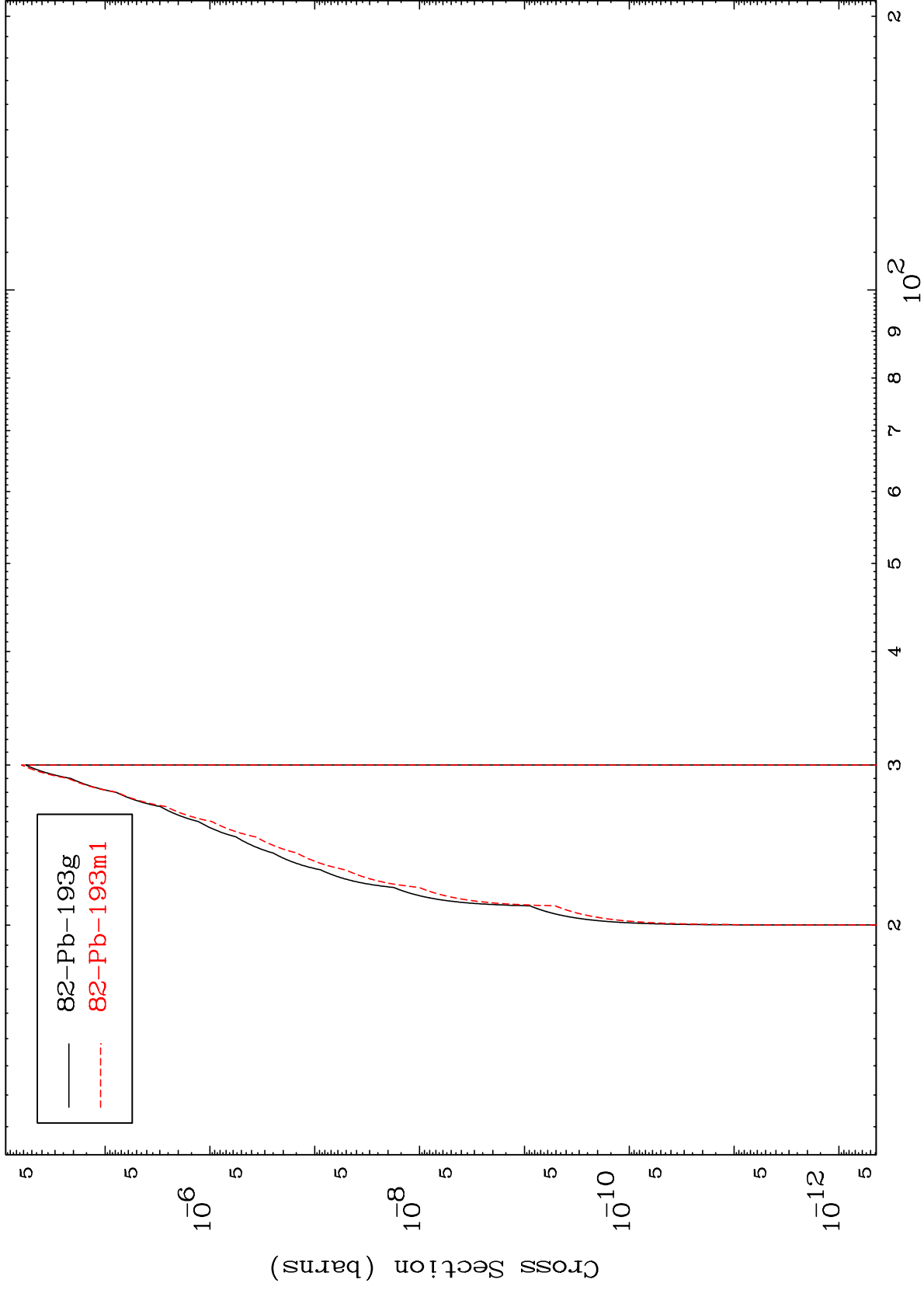


51

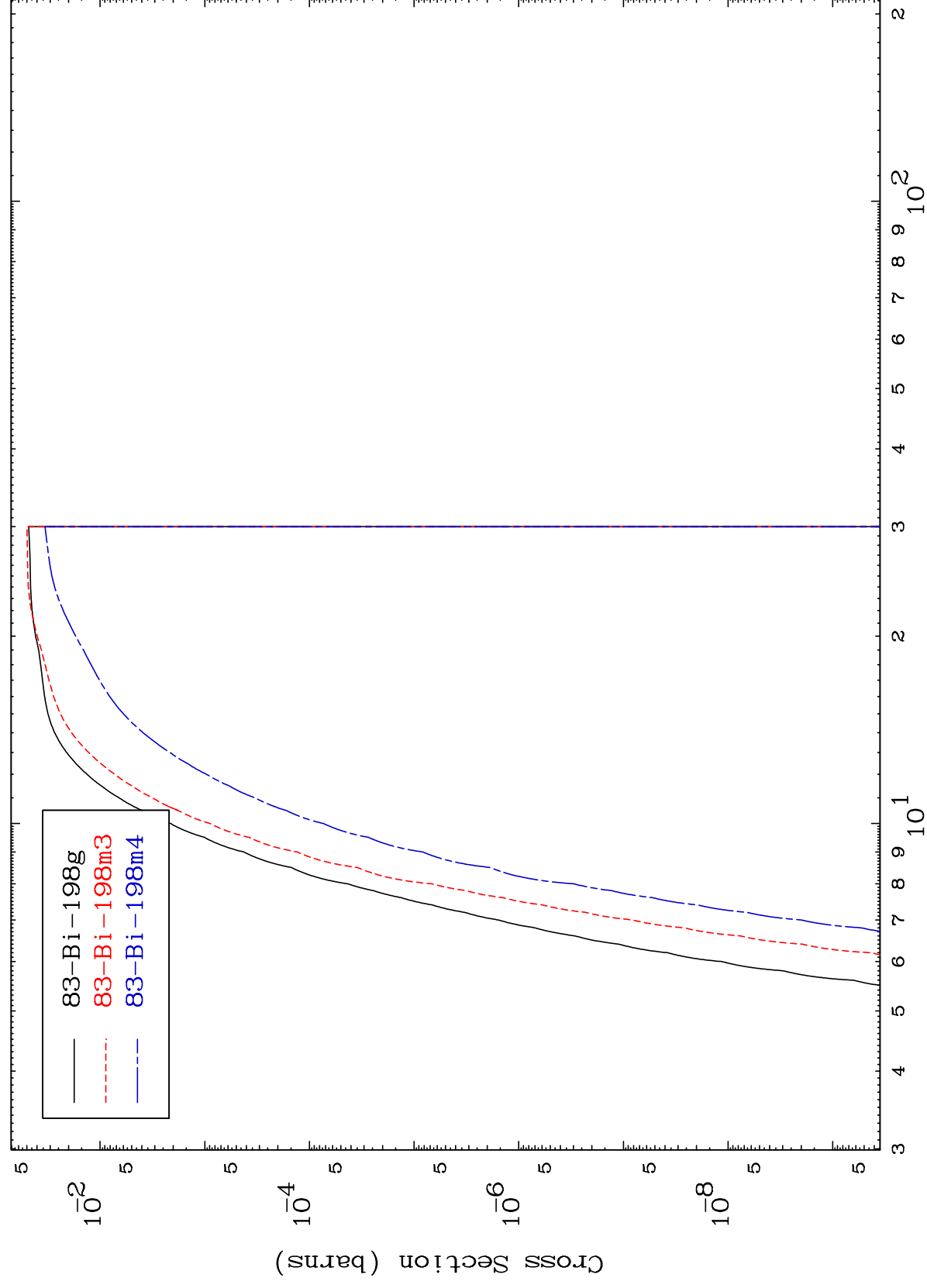
Incident Energy (MeV)

84-Po-199

Radionuclide Production Cross Section
(n,3n) α



(n, n') p
Radionuclide Production Cross Section

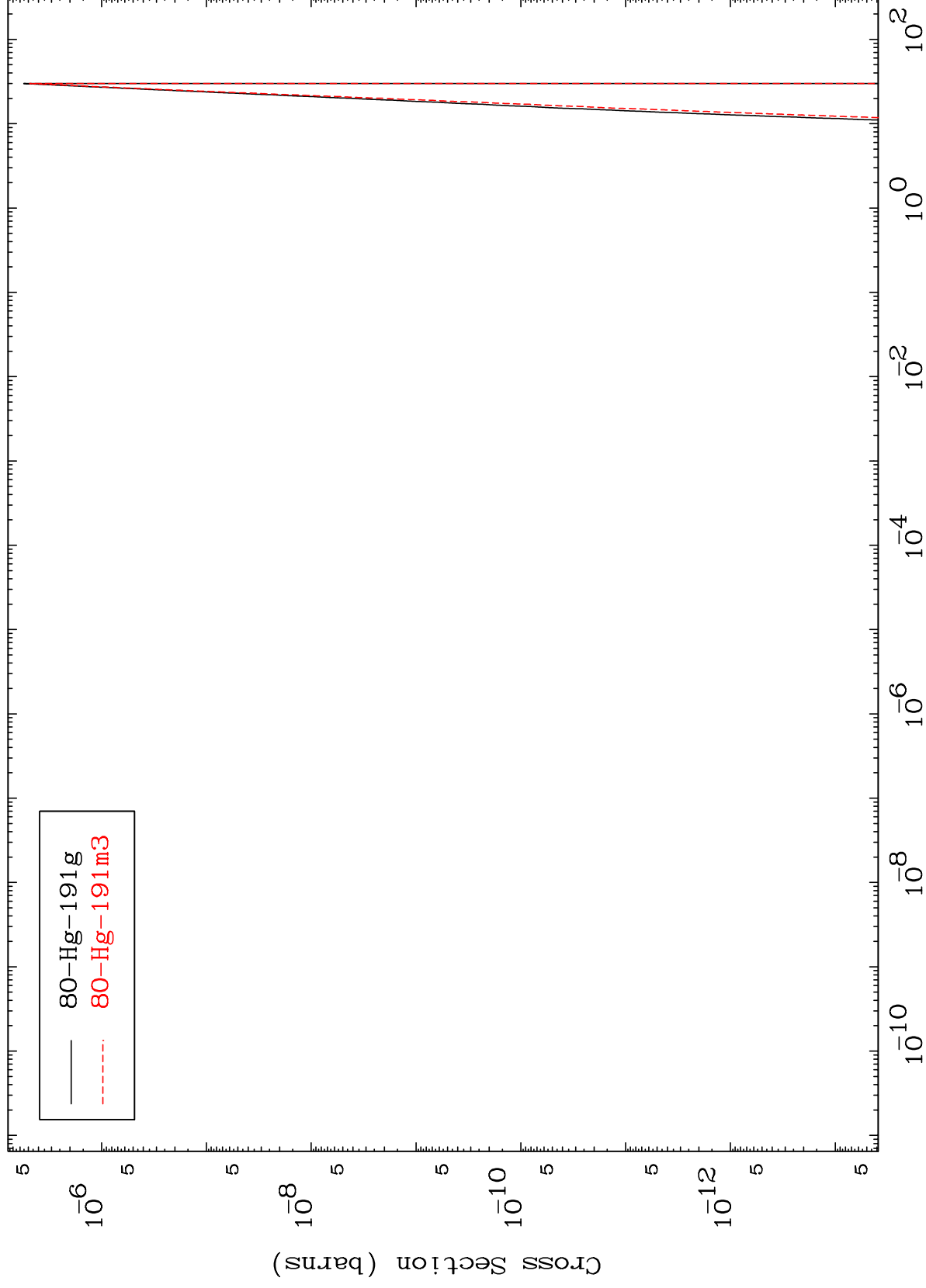
$$(n, n')$$


MAT 8404

(n,n') 2 α

84-Po-199

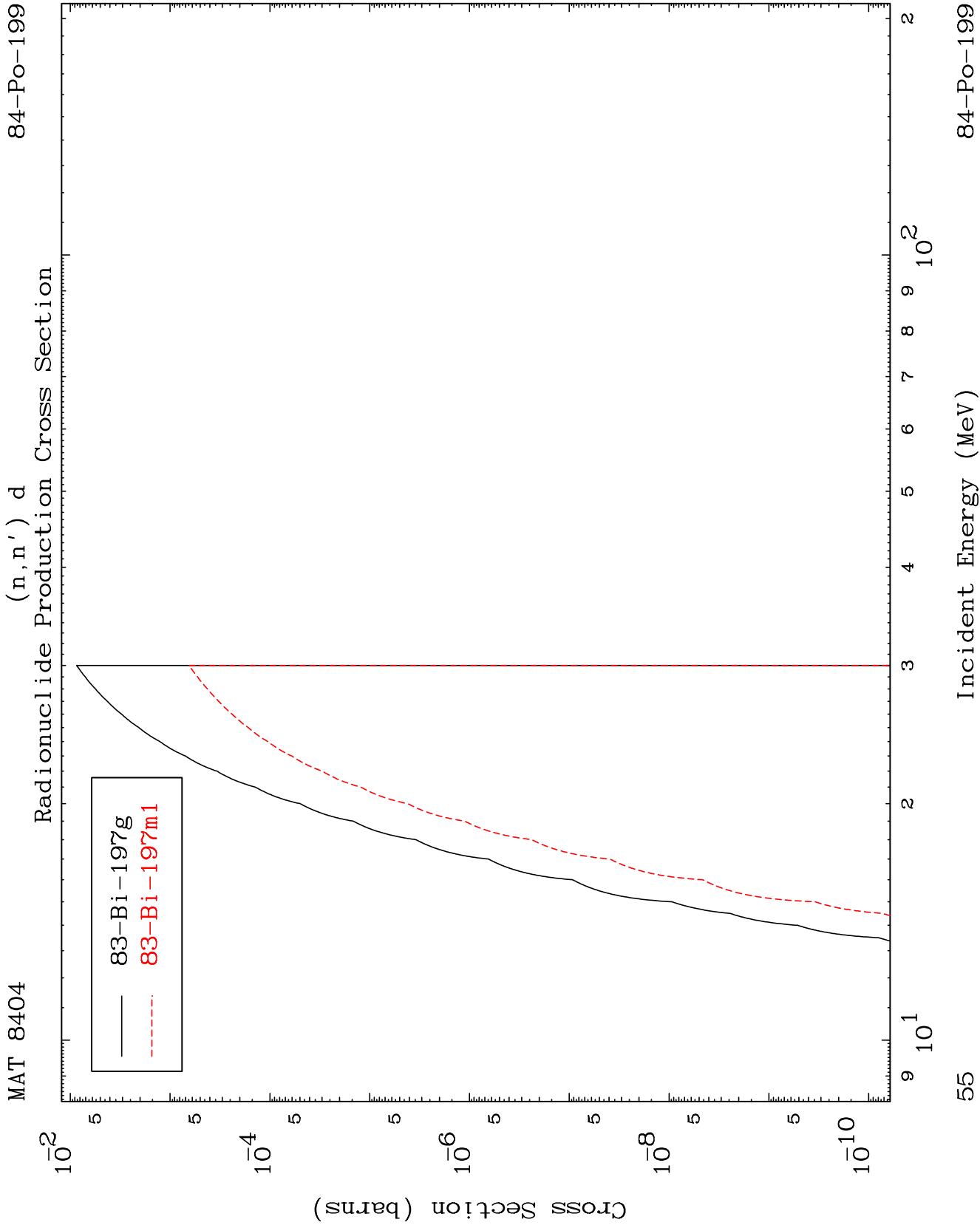
Radionuclide Production Cross Section



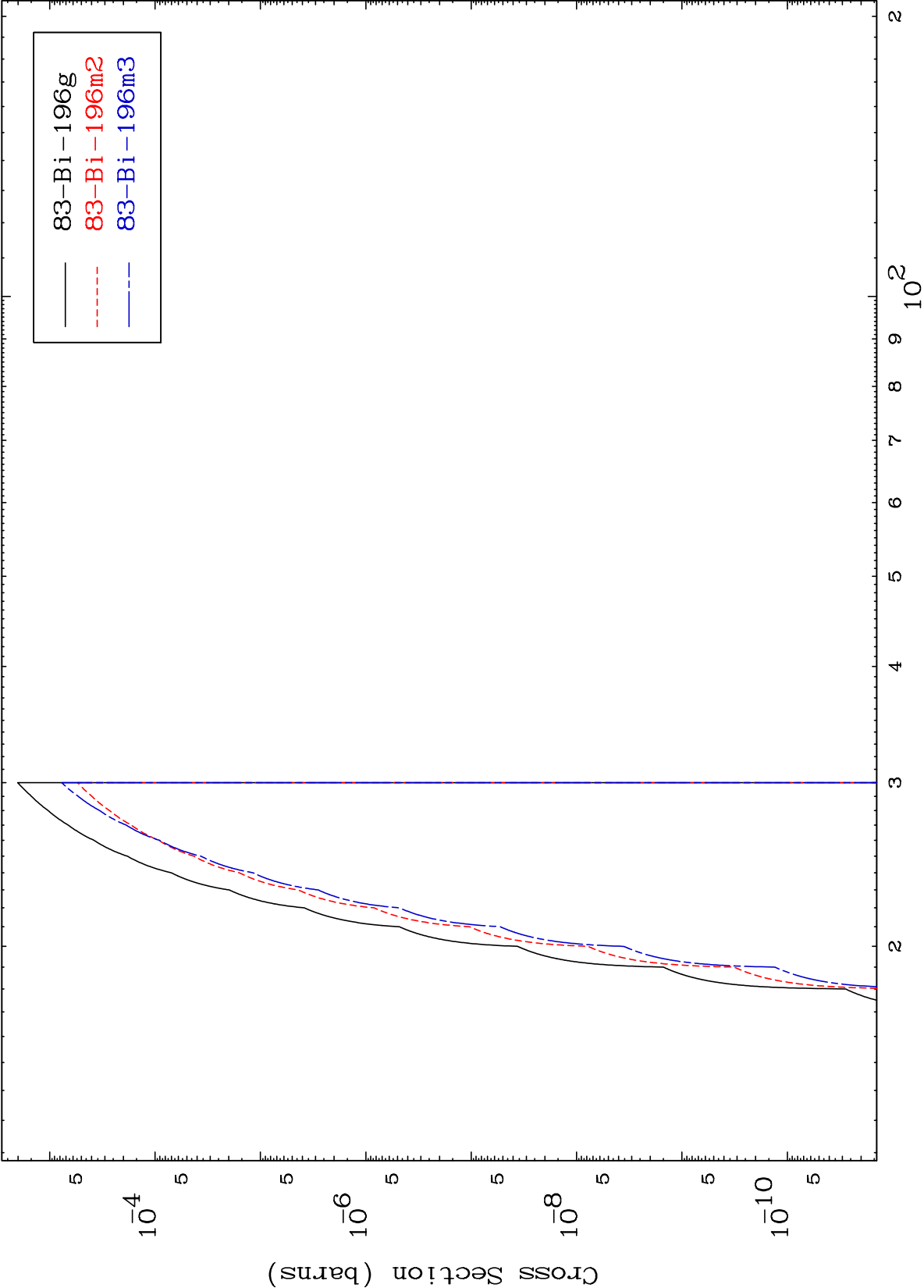
54

Incident Energy (MeV)

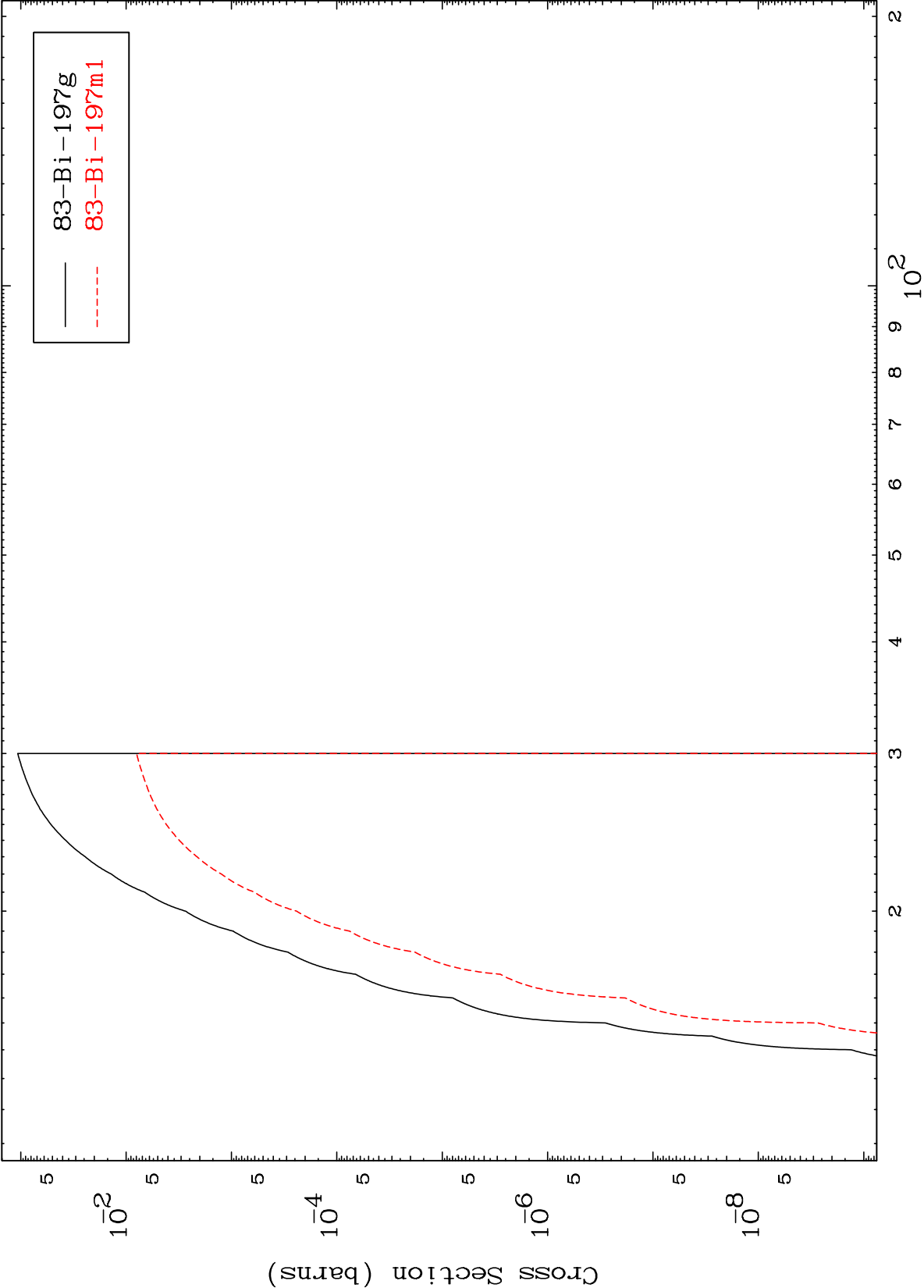
84-Po-199



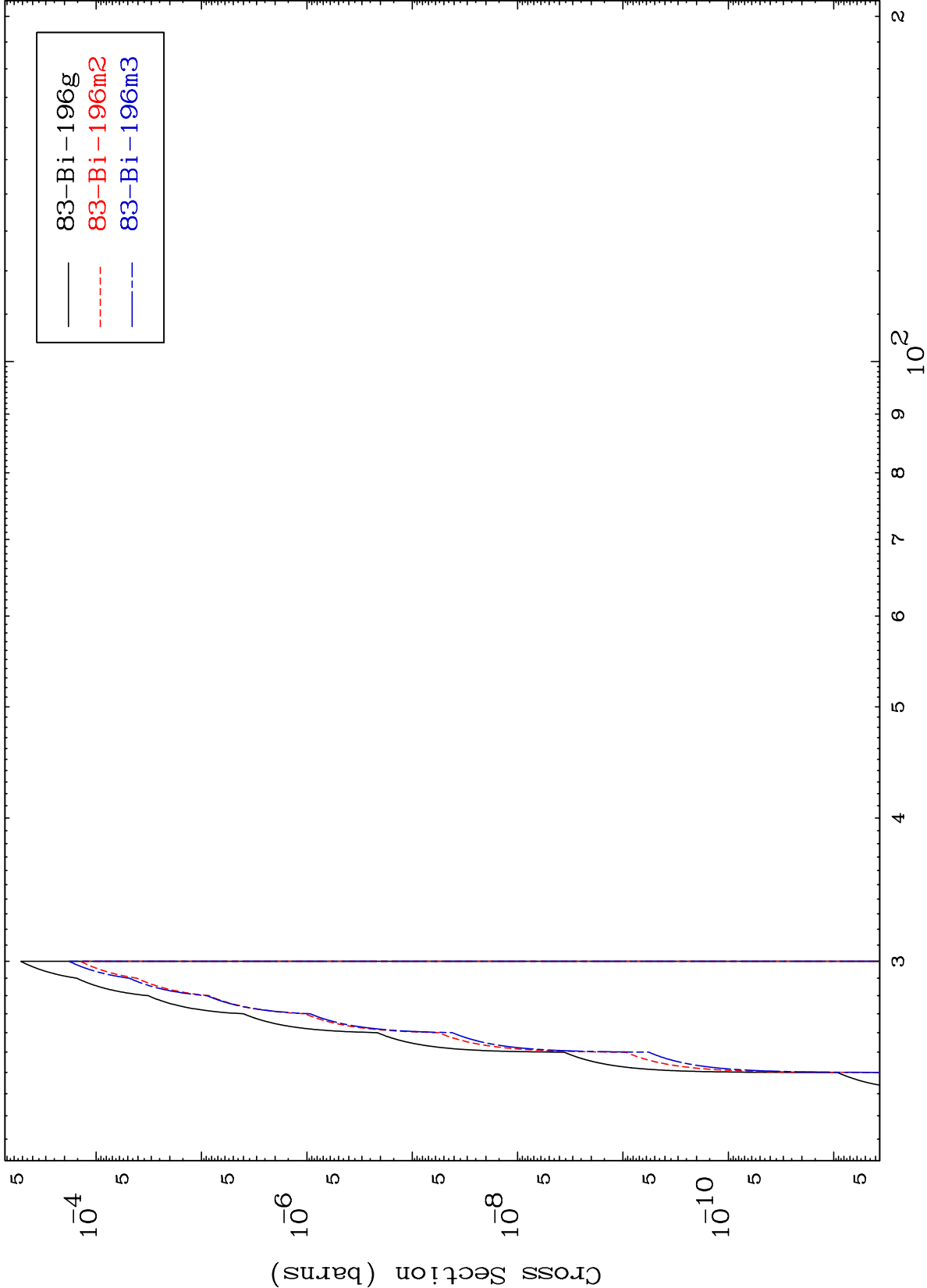
(n,n') t
Radionuclide Production Cross Section



(n,2n) p
Radionuclide Production Cross Section



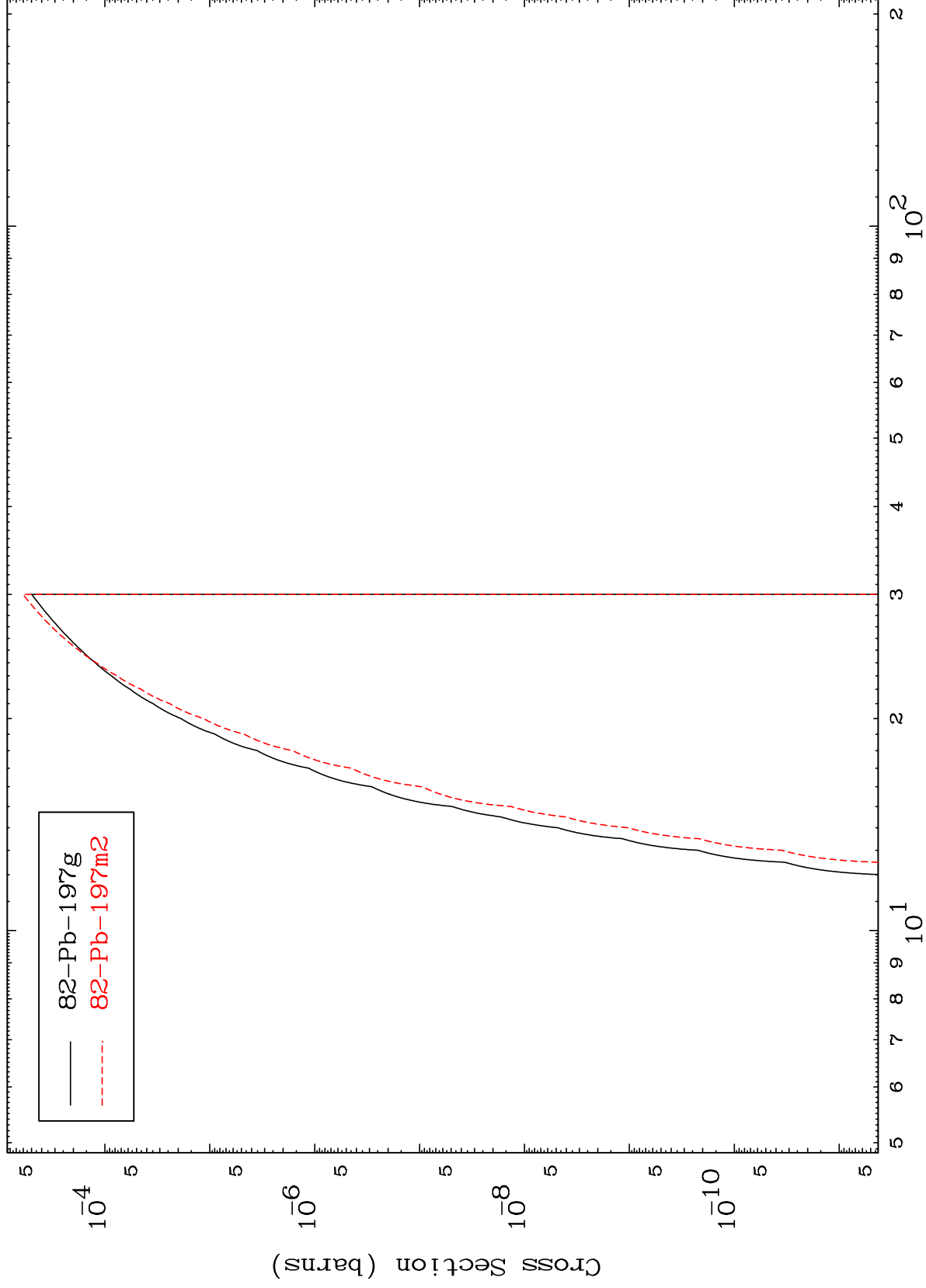
(n,3n) p
Radionuclide Production Cross Section



MAT 8404

84-Po-199

(n,2n) p
Radionuclide Production Cross Section



59

Incident Energy (MeV)

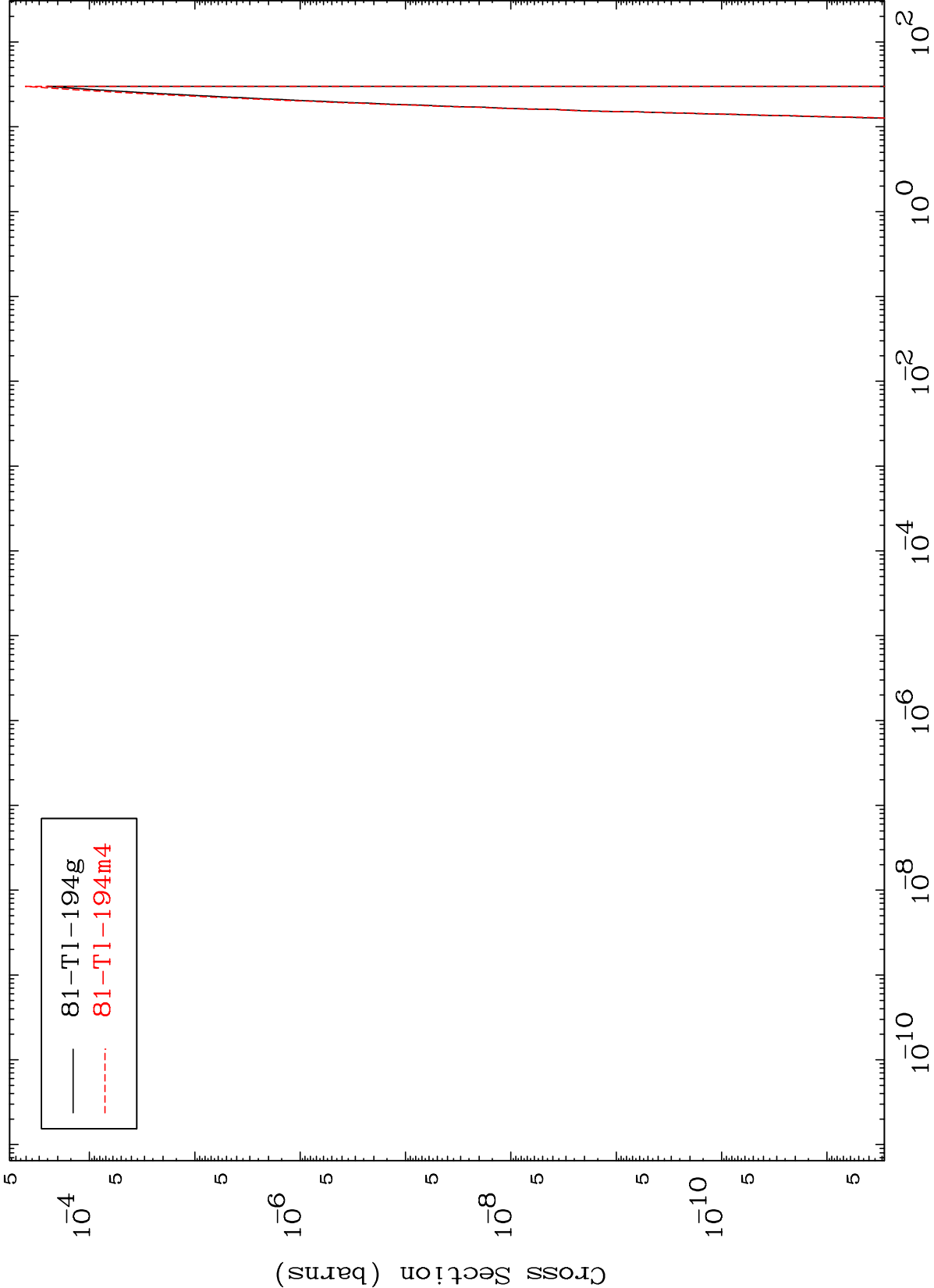
84-Po-199

MAT 8404

(n,n') p α

84-Po-199

Radionuclide Production Cross Section



81-Tl-194g
81-Tl-194m4

60

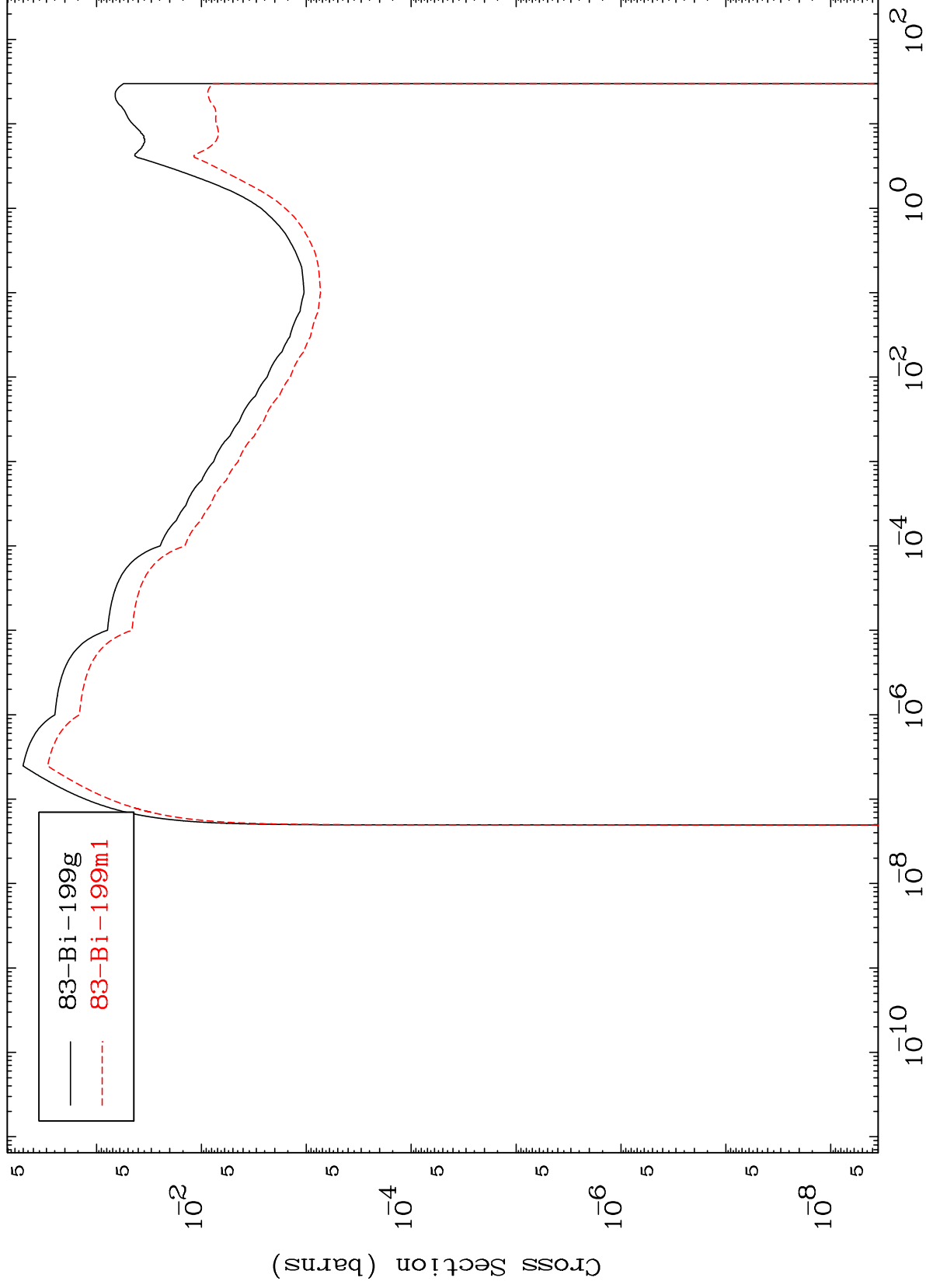
Incident Energy (MeV)

84-Po-199

MAT 8404

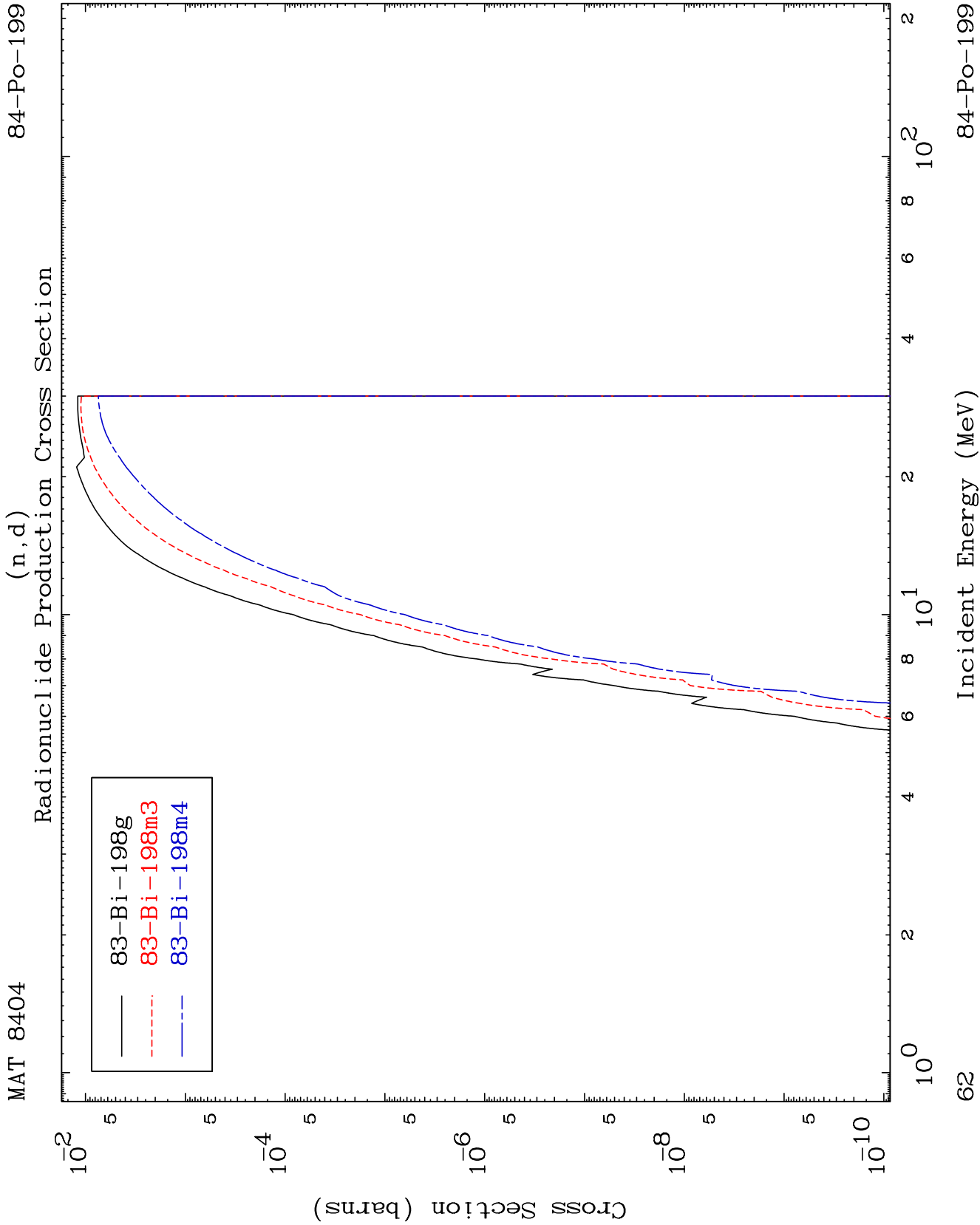
84-Po-199

Radionuclide Production Cross Section



61

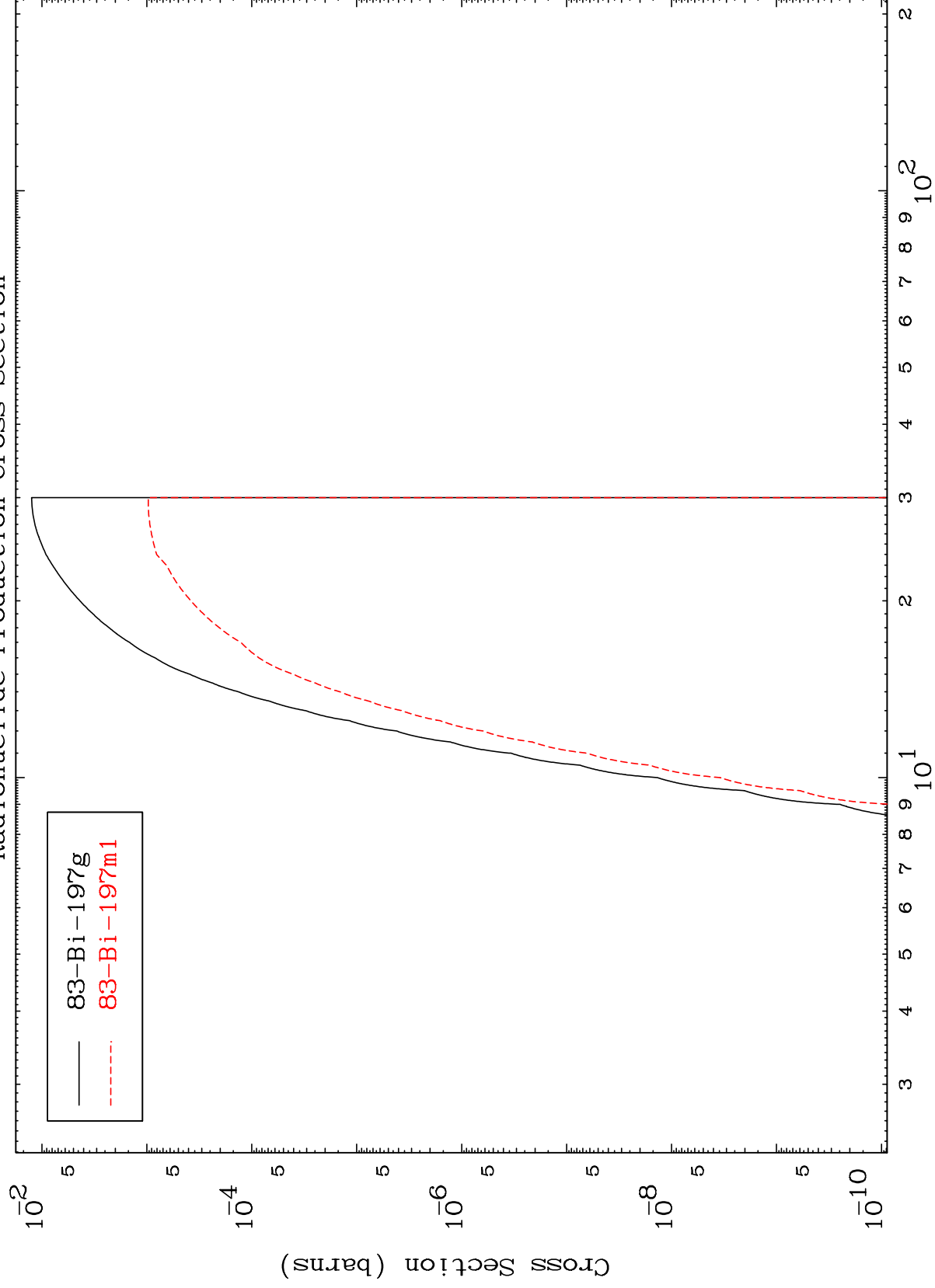
84-Po-199



MAT 8404

84-Po-199

Radionuclide Production Cross Section
(n,t)



63

Incident Energy (MeV)

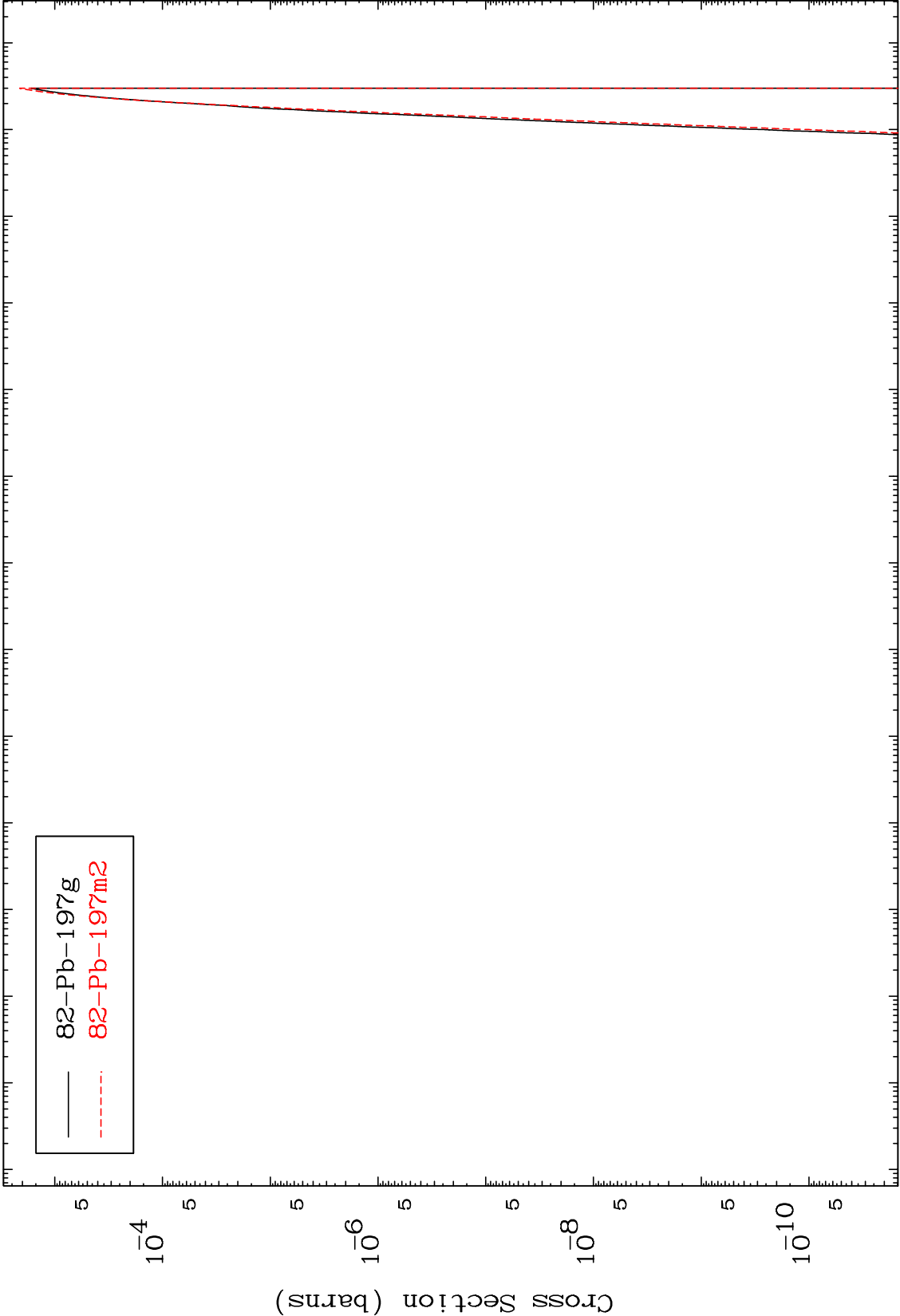
84-Po-199

MAT 8404

(n,He-3)

84-Po-199

Radionuclide Production Cross Section



82-Pb-197g
82-Pb-197m2

64

Incident Energy (MeV)

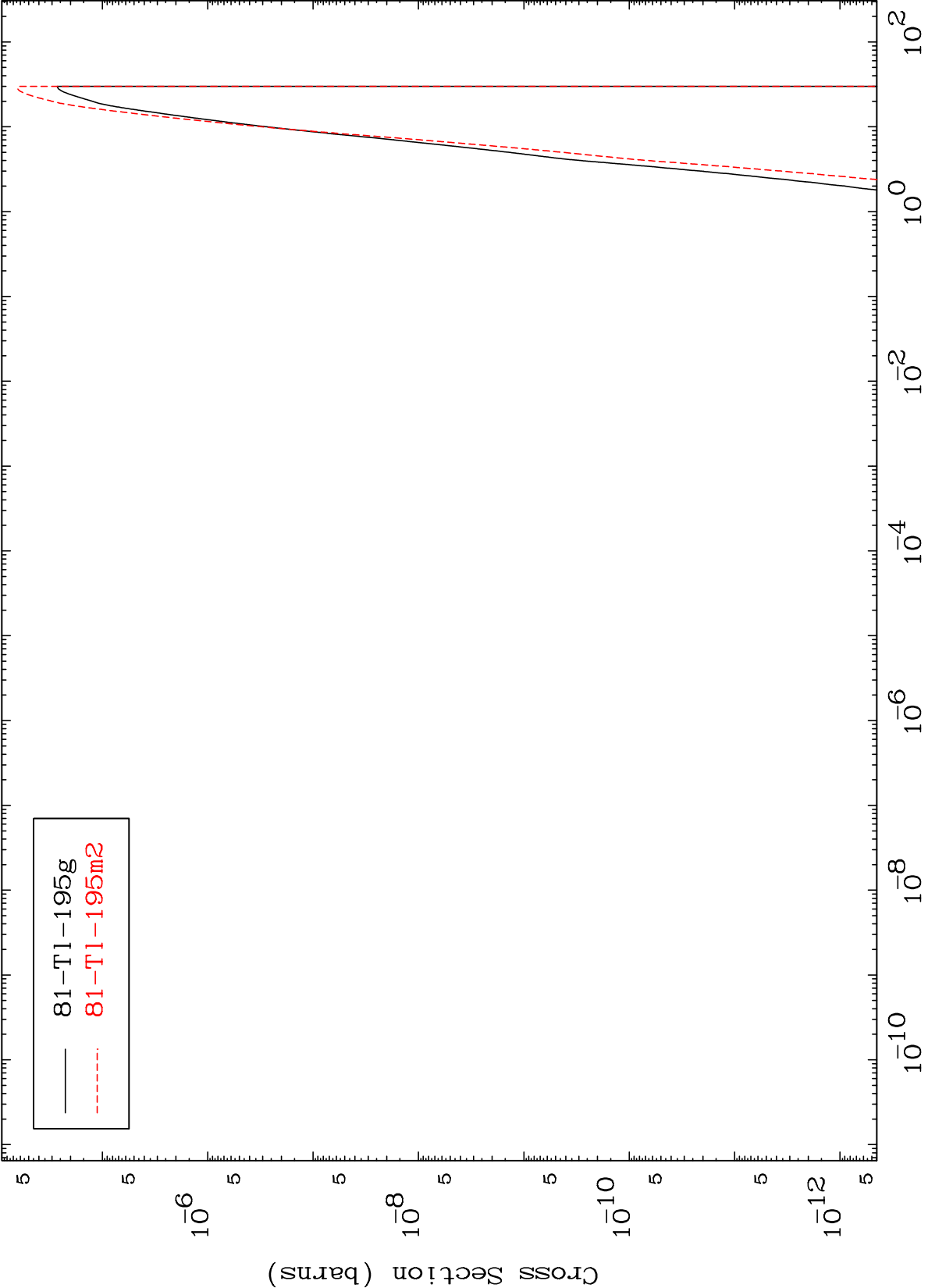
84-Po-199

MAT 8404

(n,p) α

84-Po-199

Radionuclide Production Cross Section



65

Incident Energy (MeV)

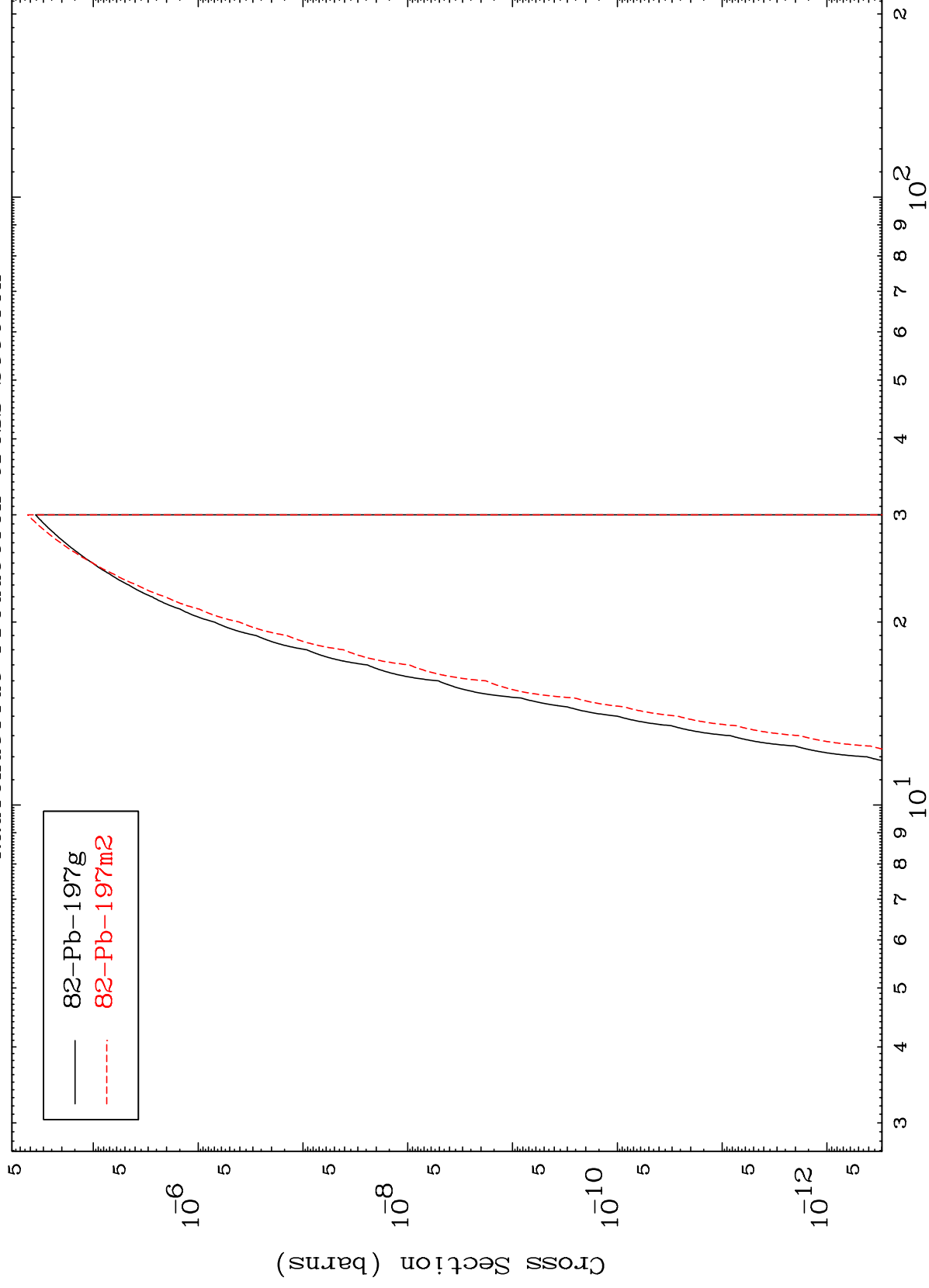
84-Po-199

MAT 8404

84-Po-199

(n,p) d

Radionuclide Production Cross Section



66

Incident Energy (MeV)

84-Po-199

