

Program EVALPLOT
(Version 2018-1)

by

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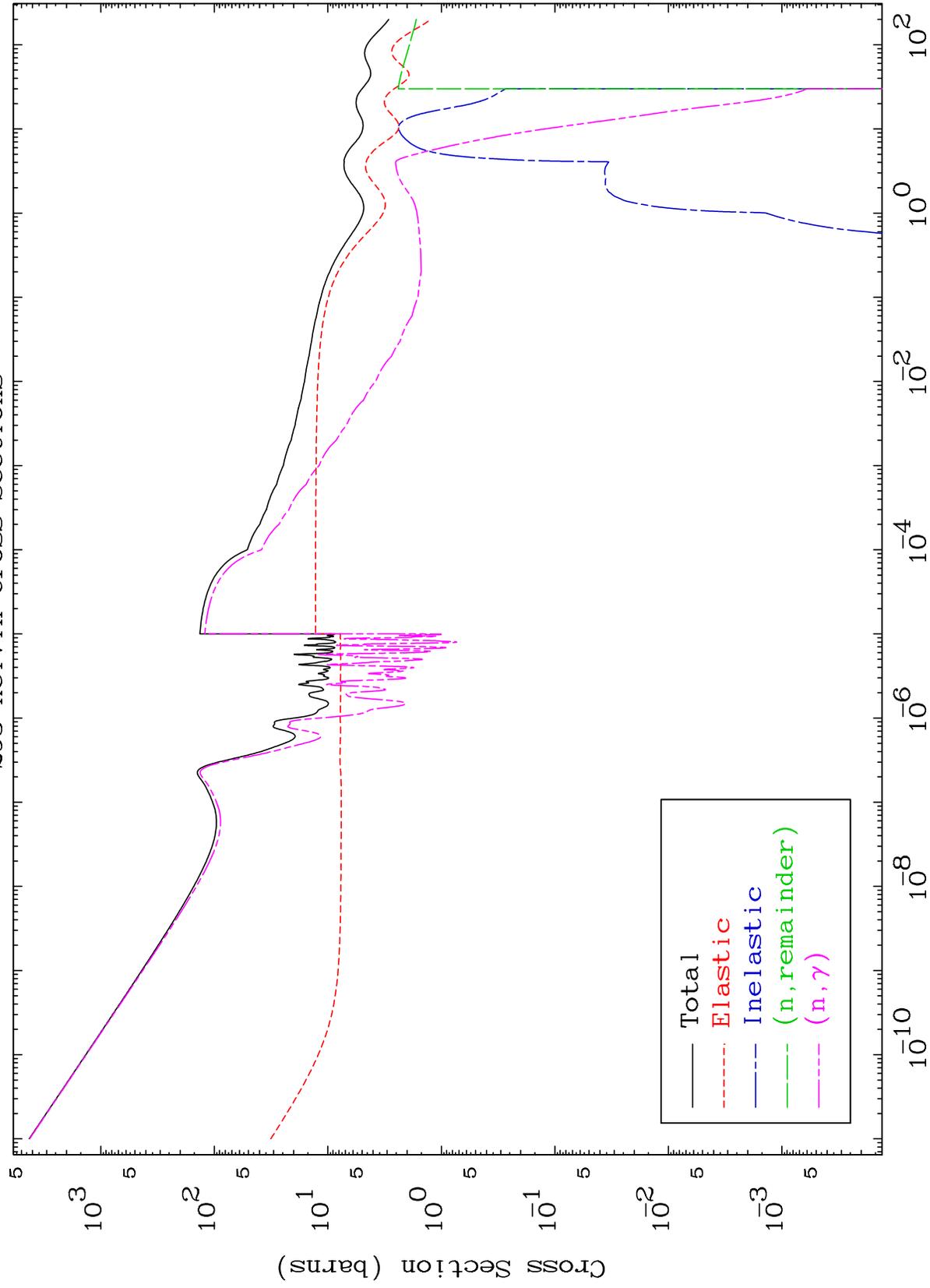
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8289

Major
293 Kelvin Cross Sections

83-Bi-197

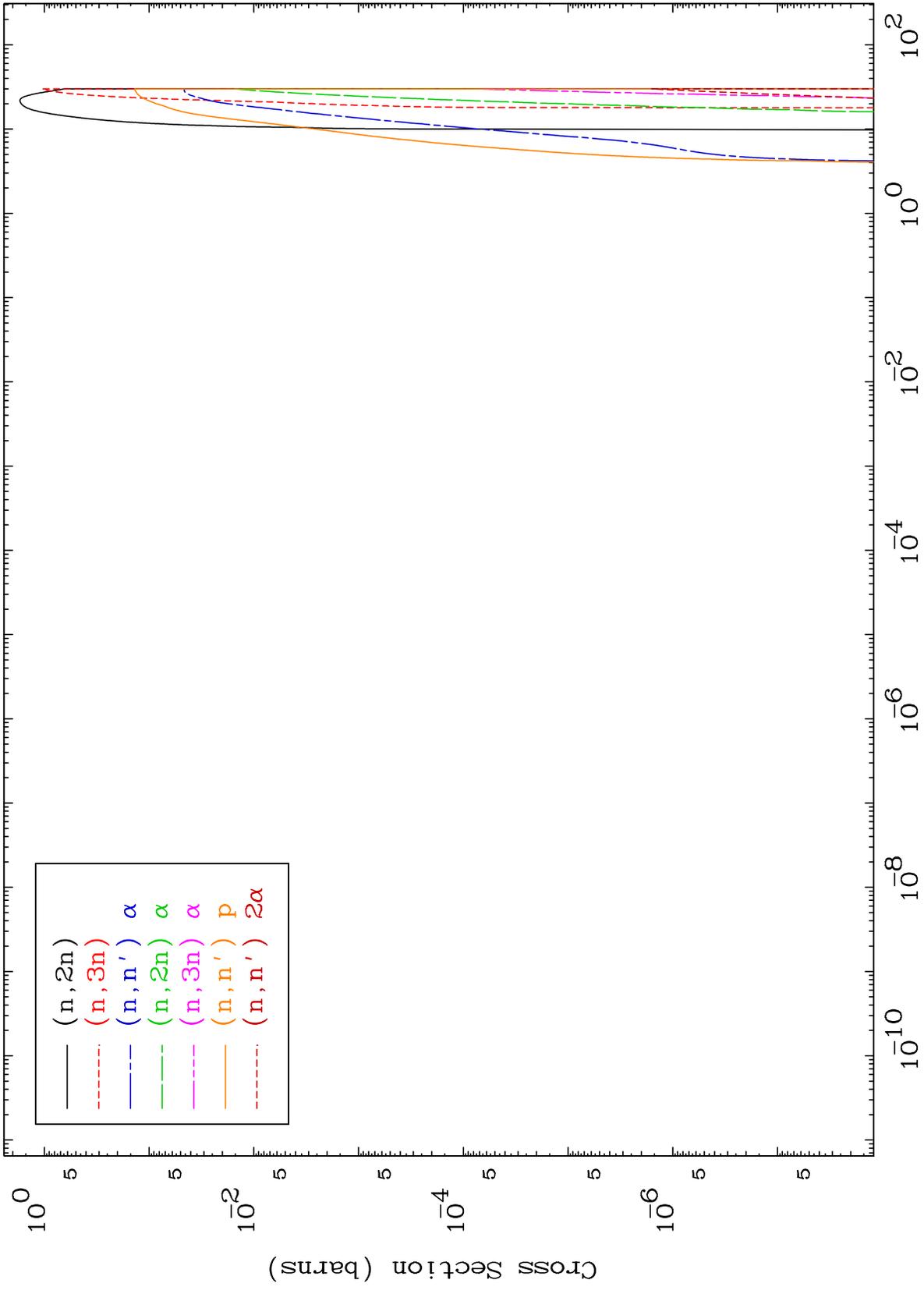


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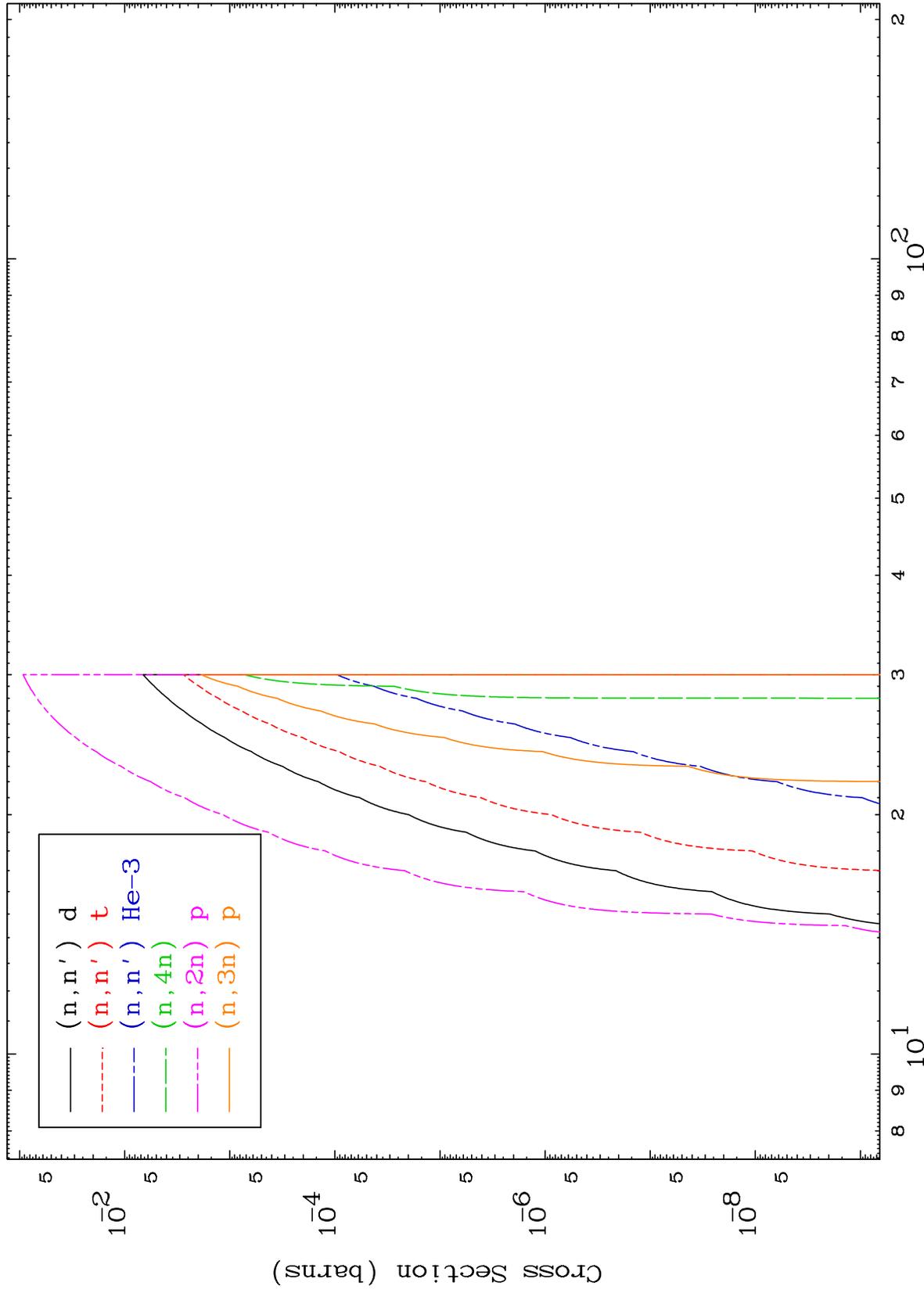
MAT 8289

Neutron Production
293 Kelvin Cross Sections

83-Bi-197



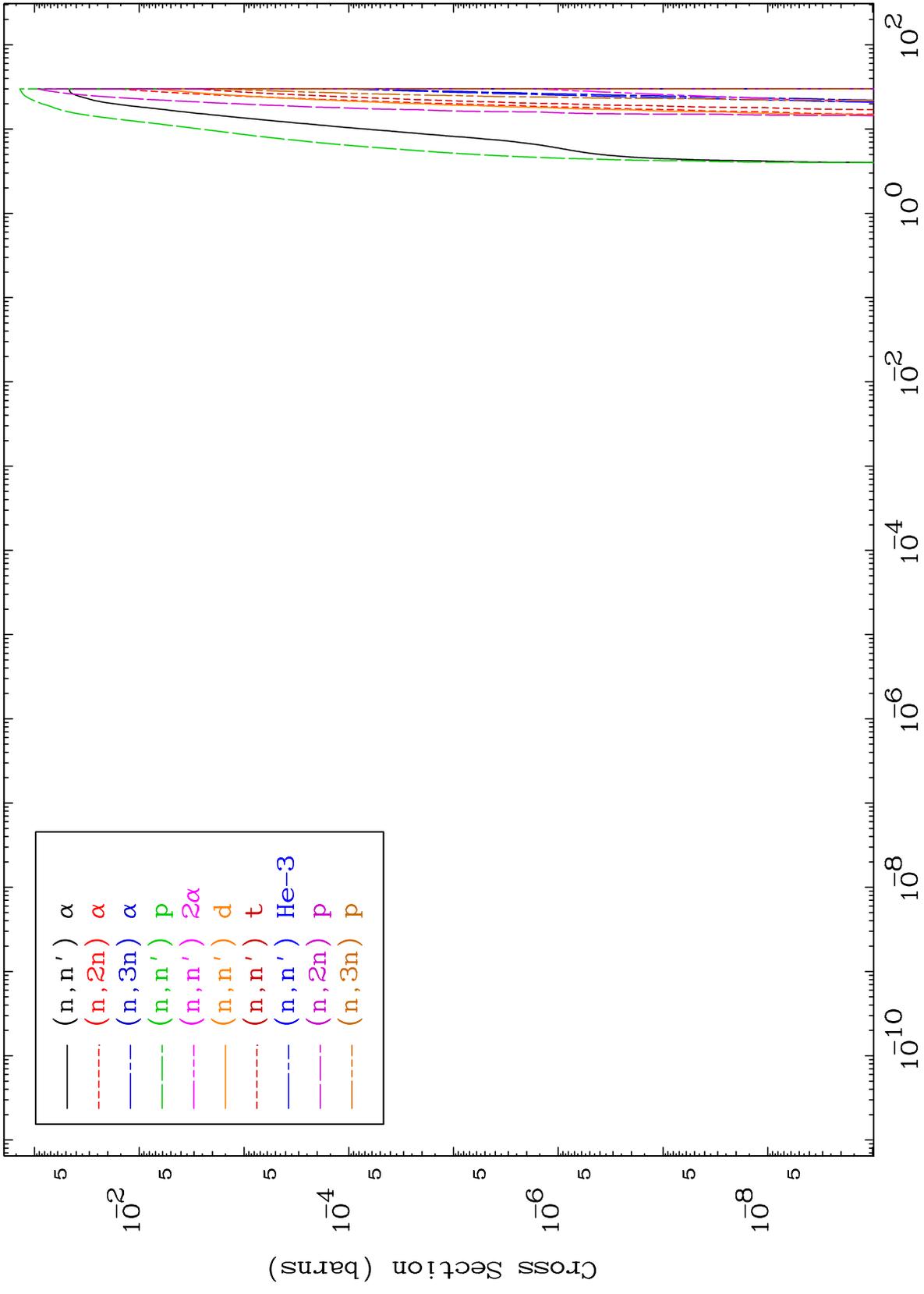
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MAT 8289

Charged Particle
293 Kelvin Cross Sections

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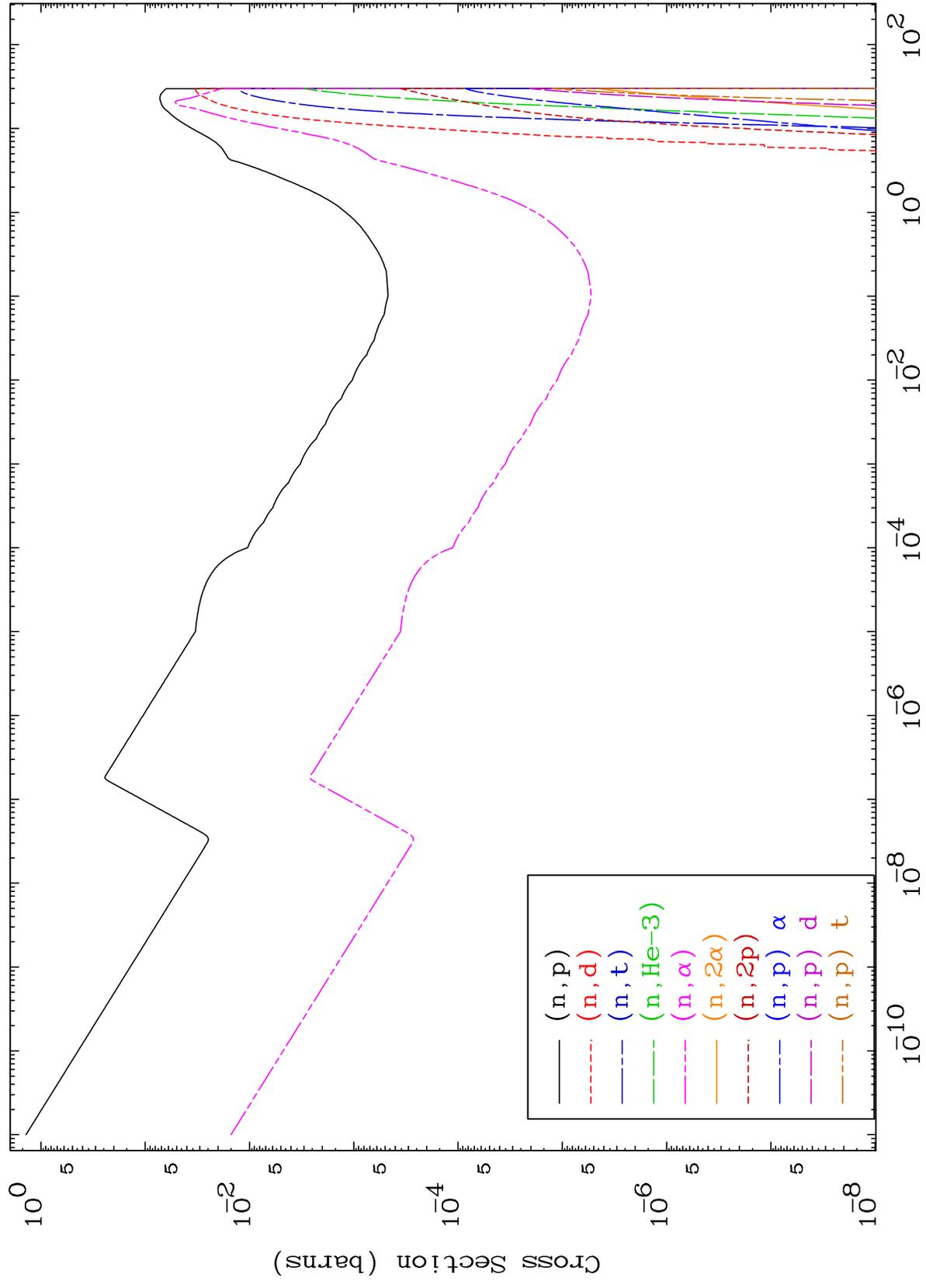


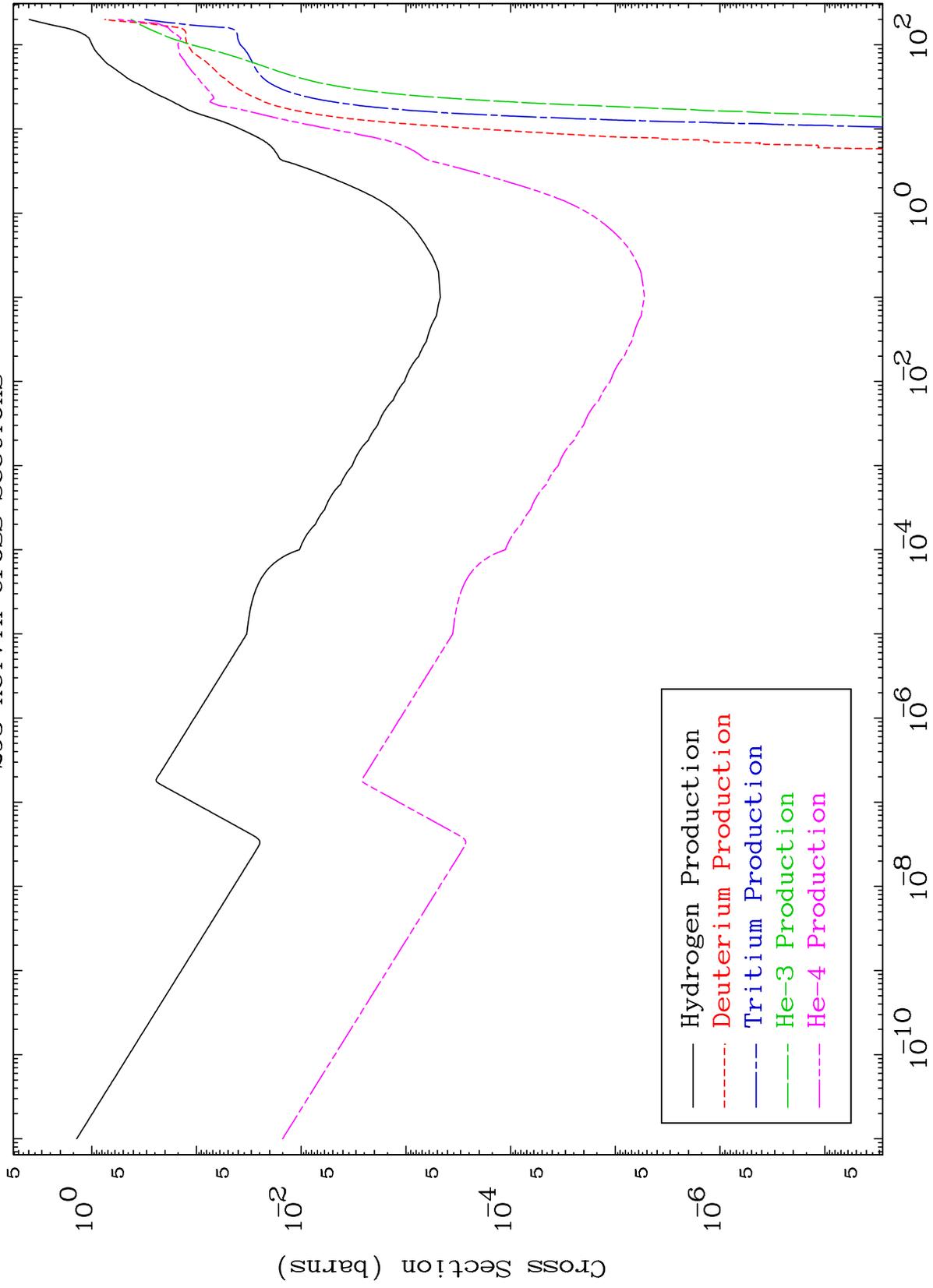
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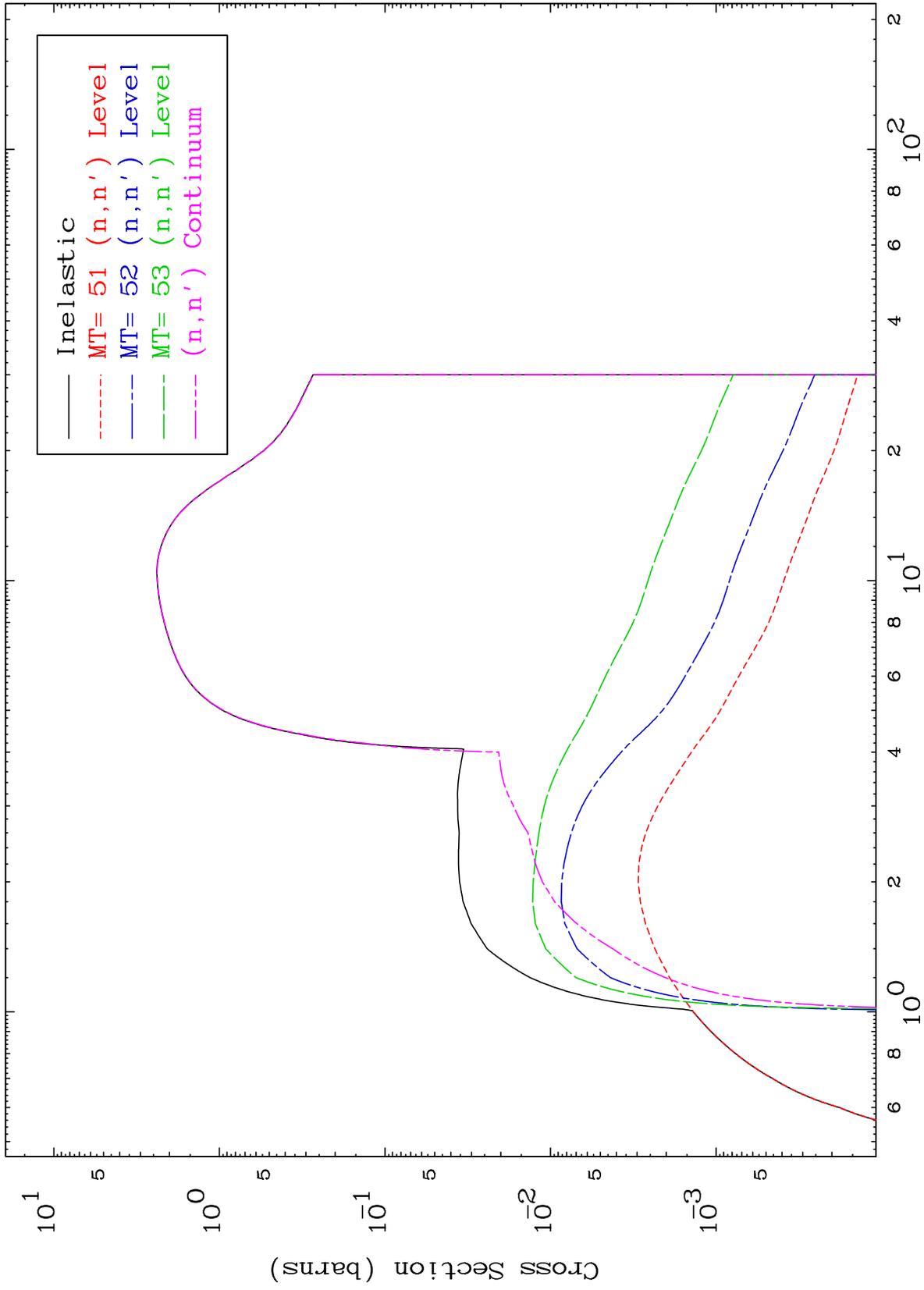
MAT 8289

Charged Particle
293 Kelvin Cross Sections

83-Bi-197



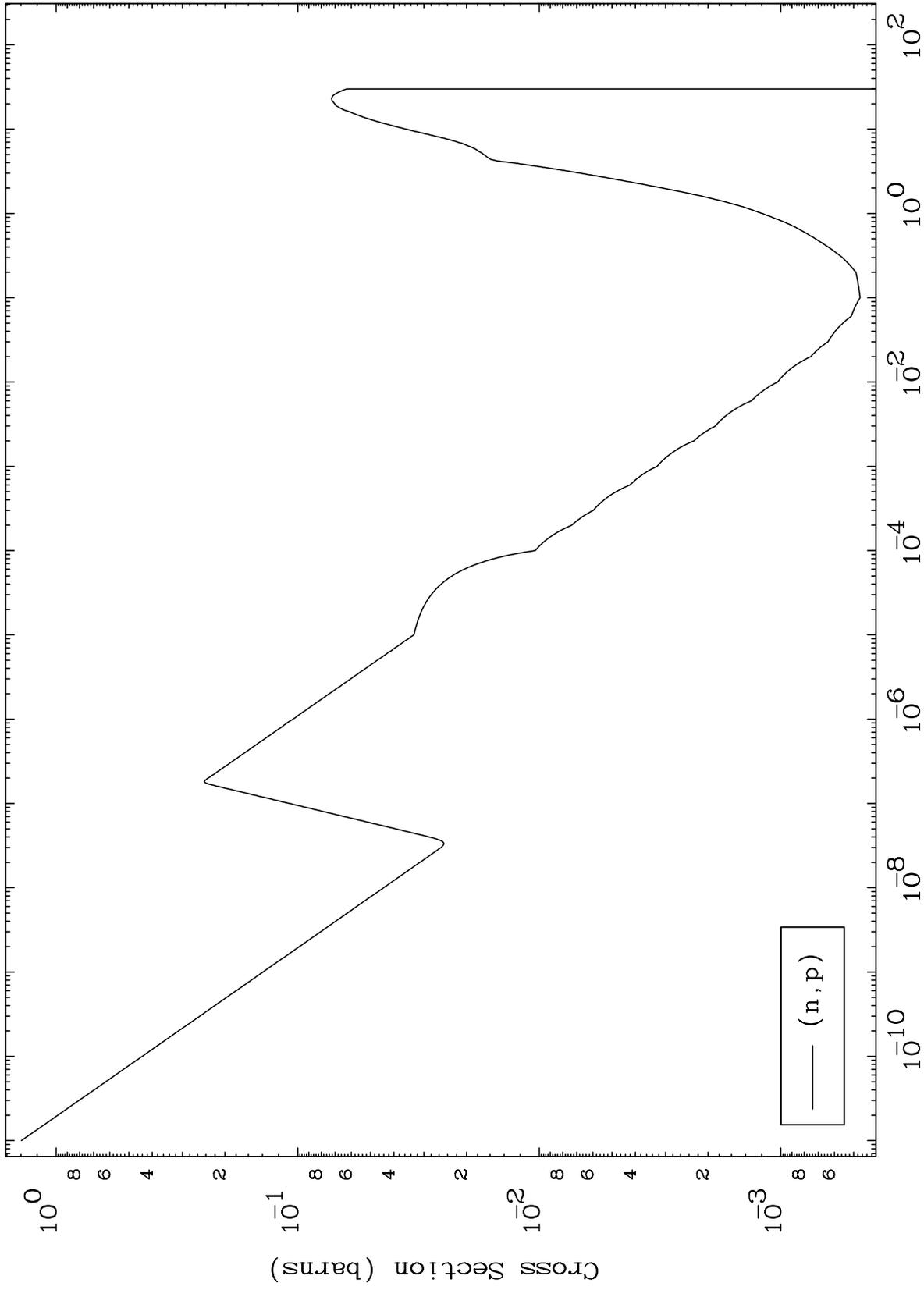




MAT 8289

(n,p) Levels
293 Kelvin Cross Sections

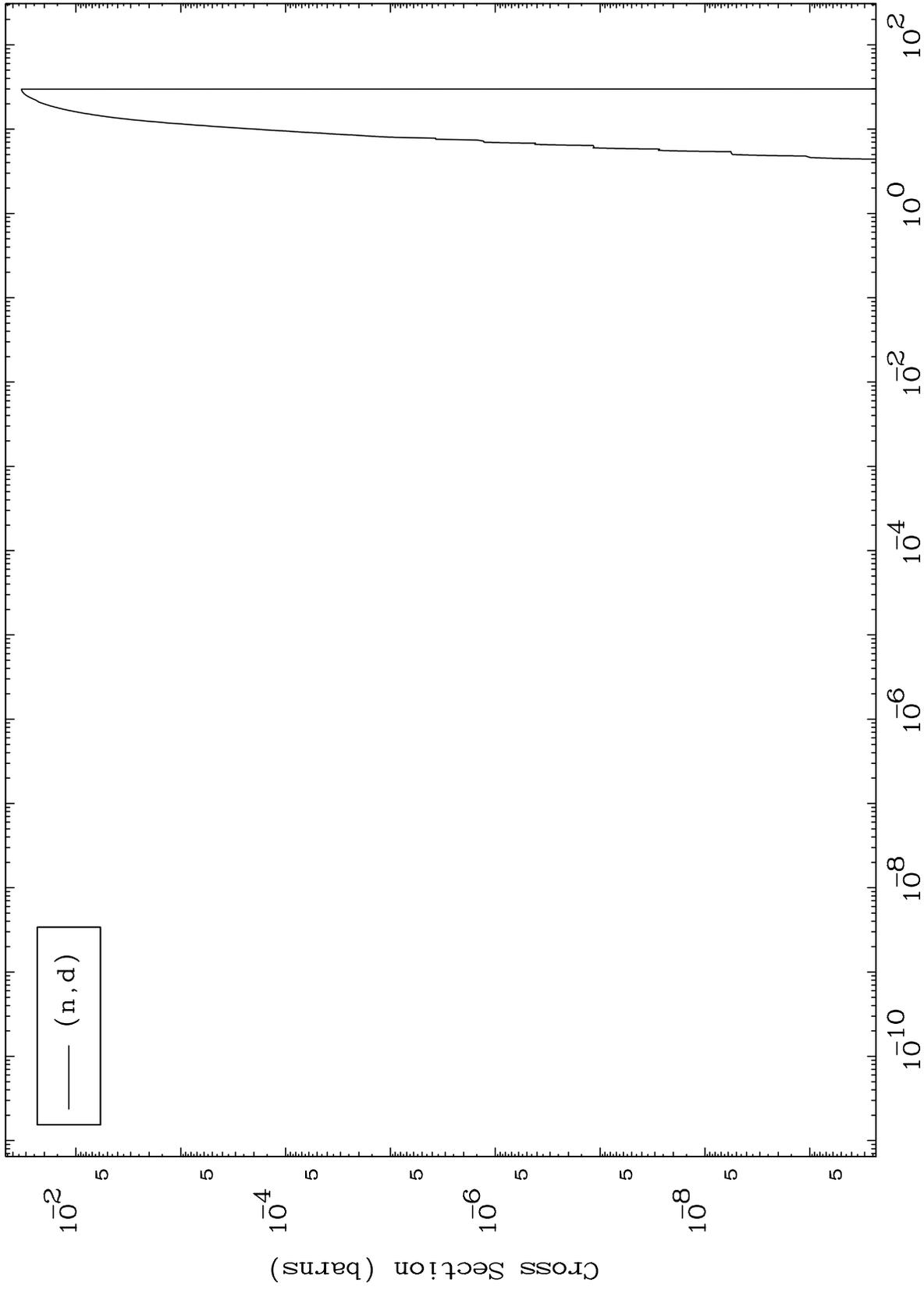
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MAT 8289

(n,d) Levels
293 Kelvin Cross Sections

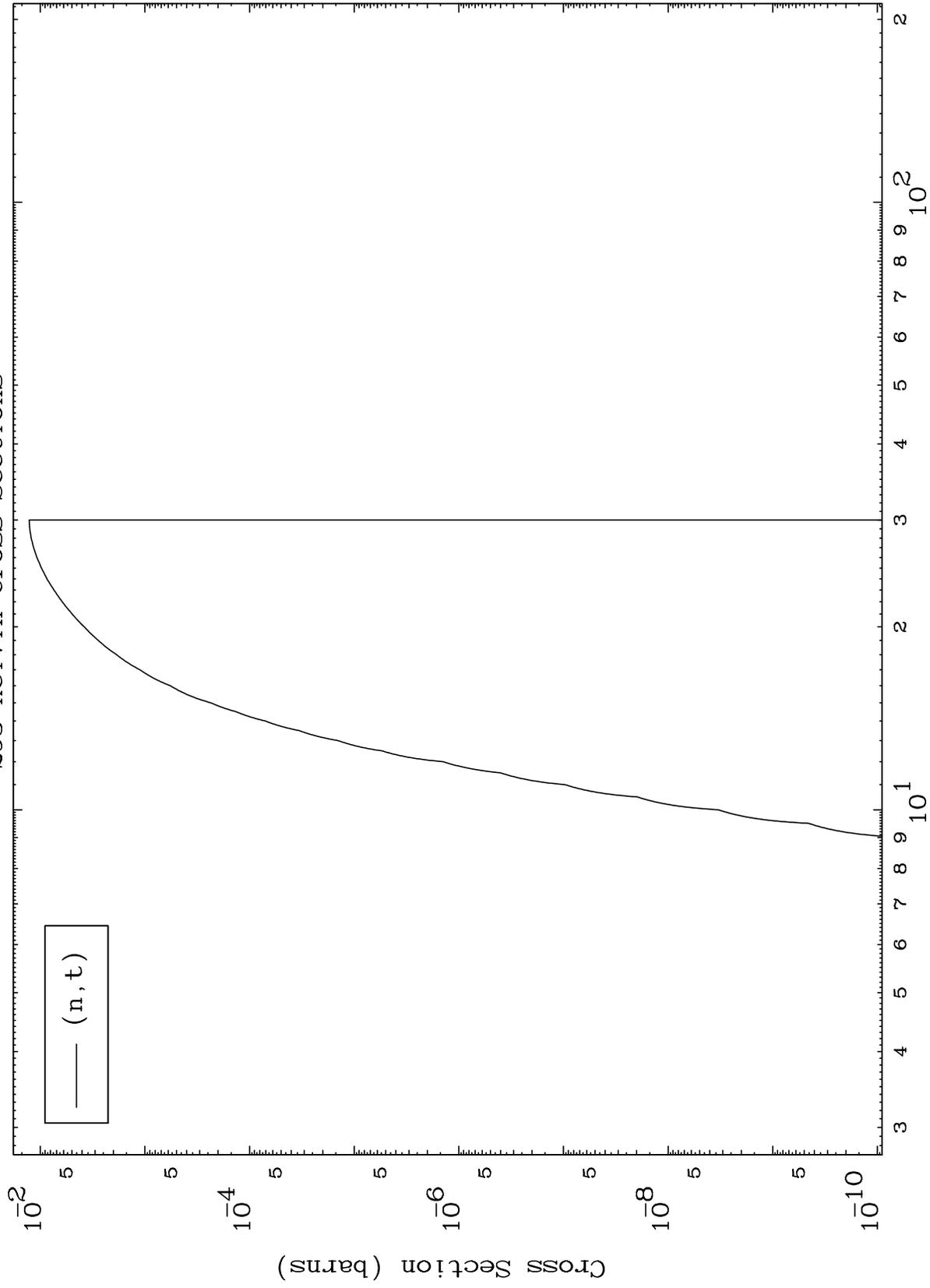
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MAT 8289

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-197



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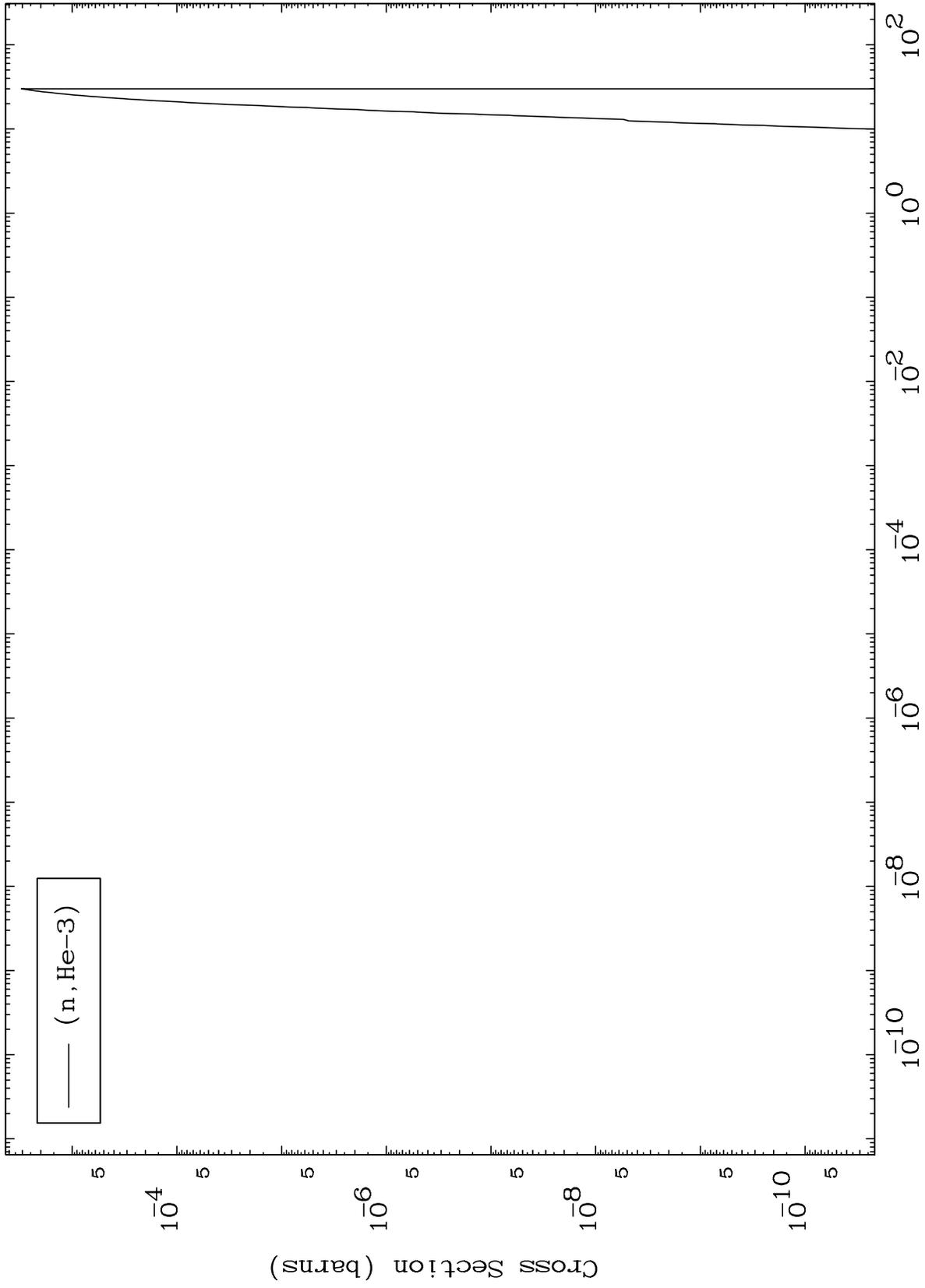
Incident Energy (MeV)

83-Bi-197

MAT 8289

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-197



11

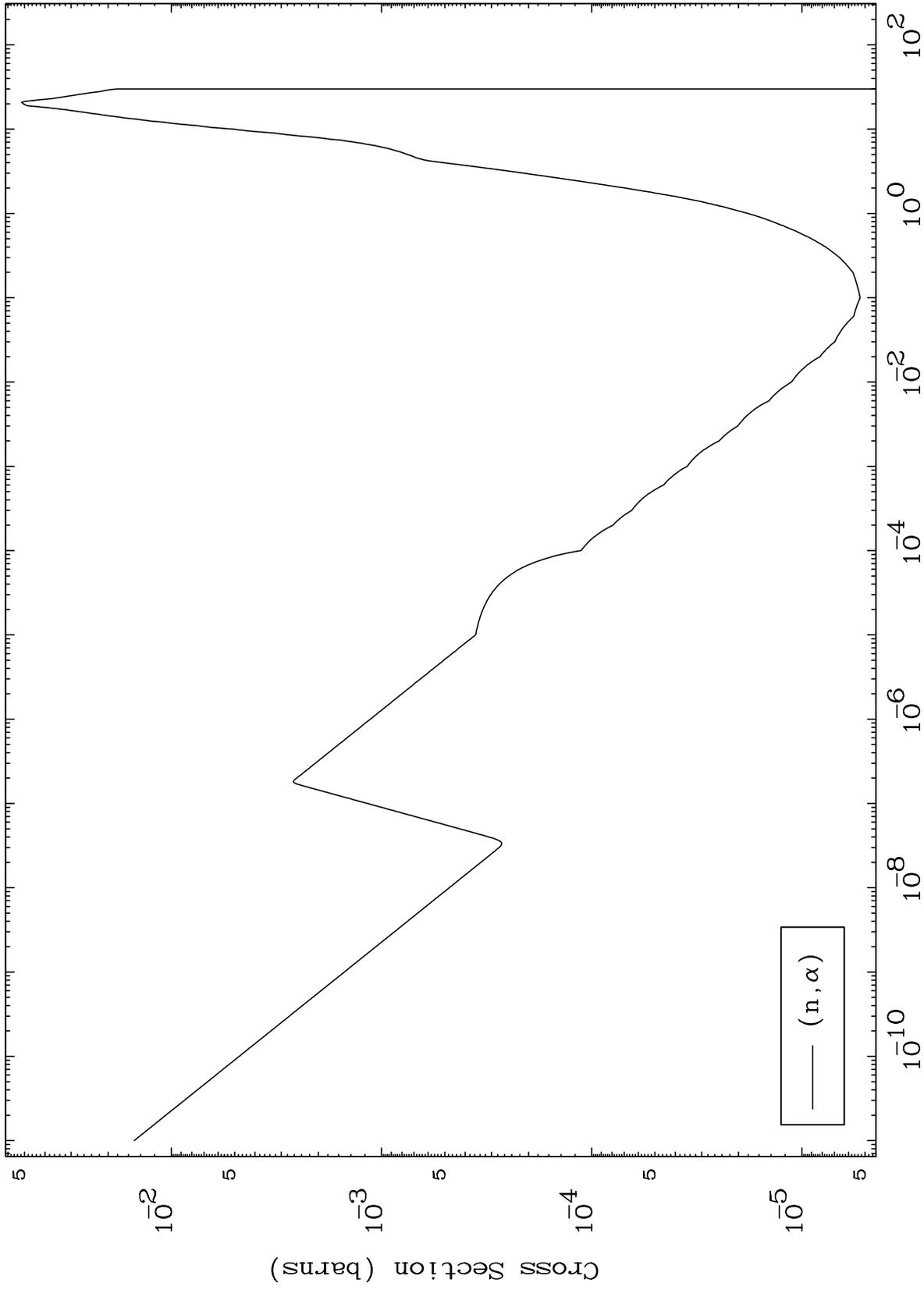
Incident Energy (MeV)

83-Bi-197

MAT 8289

(n,α) Levels
293 Kelvin Cross Sections

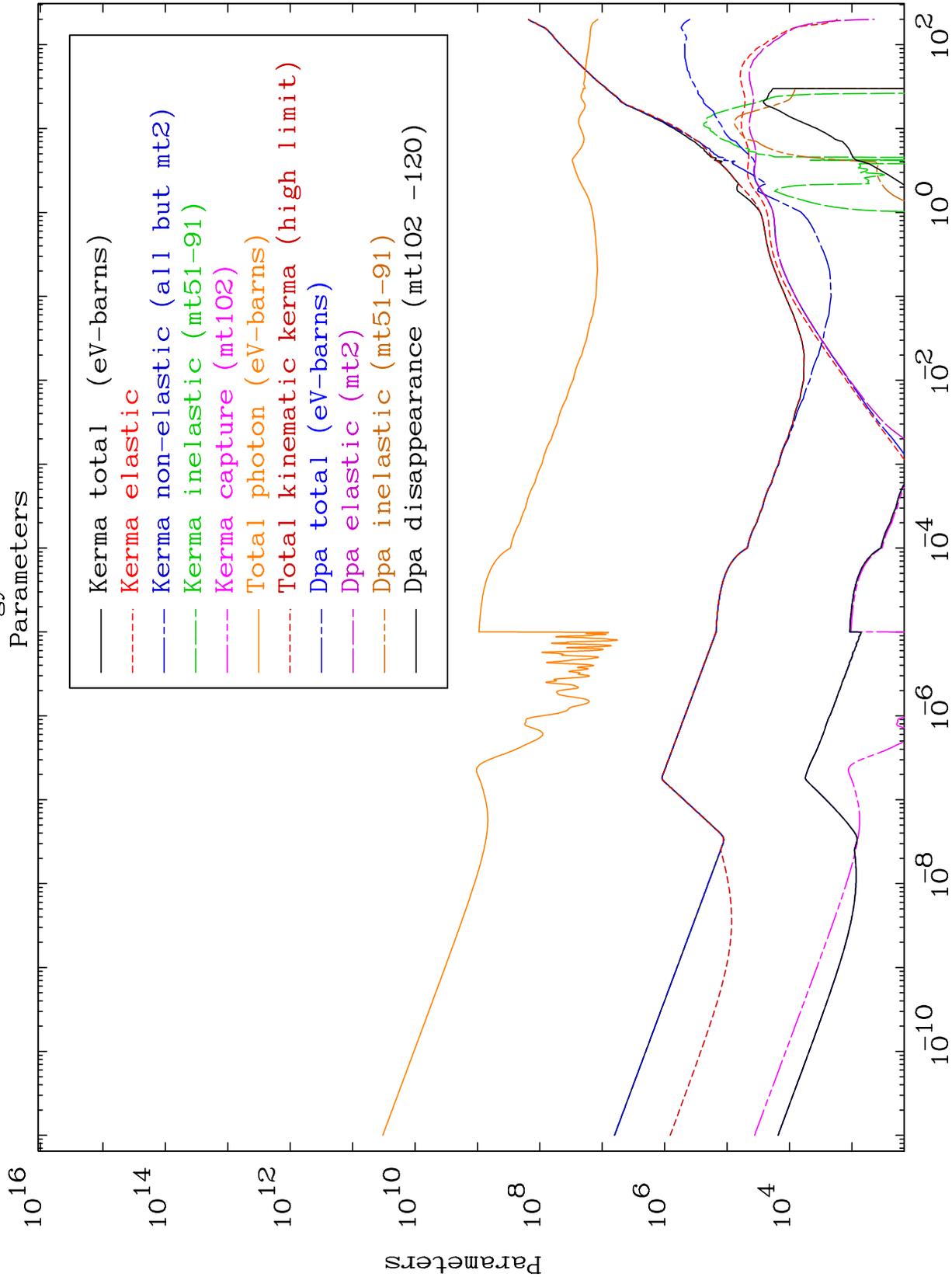
83-Bi-197



12

Incident Energy (MeV)

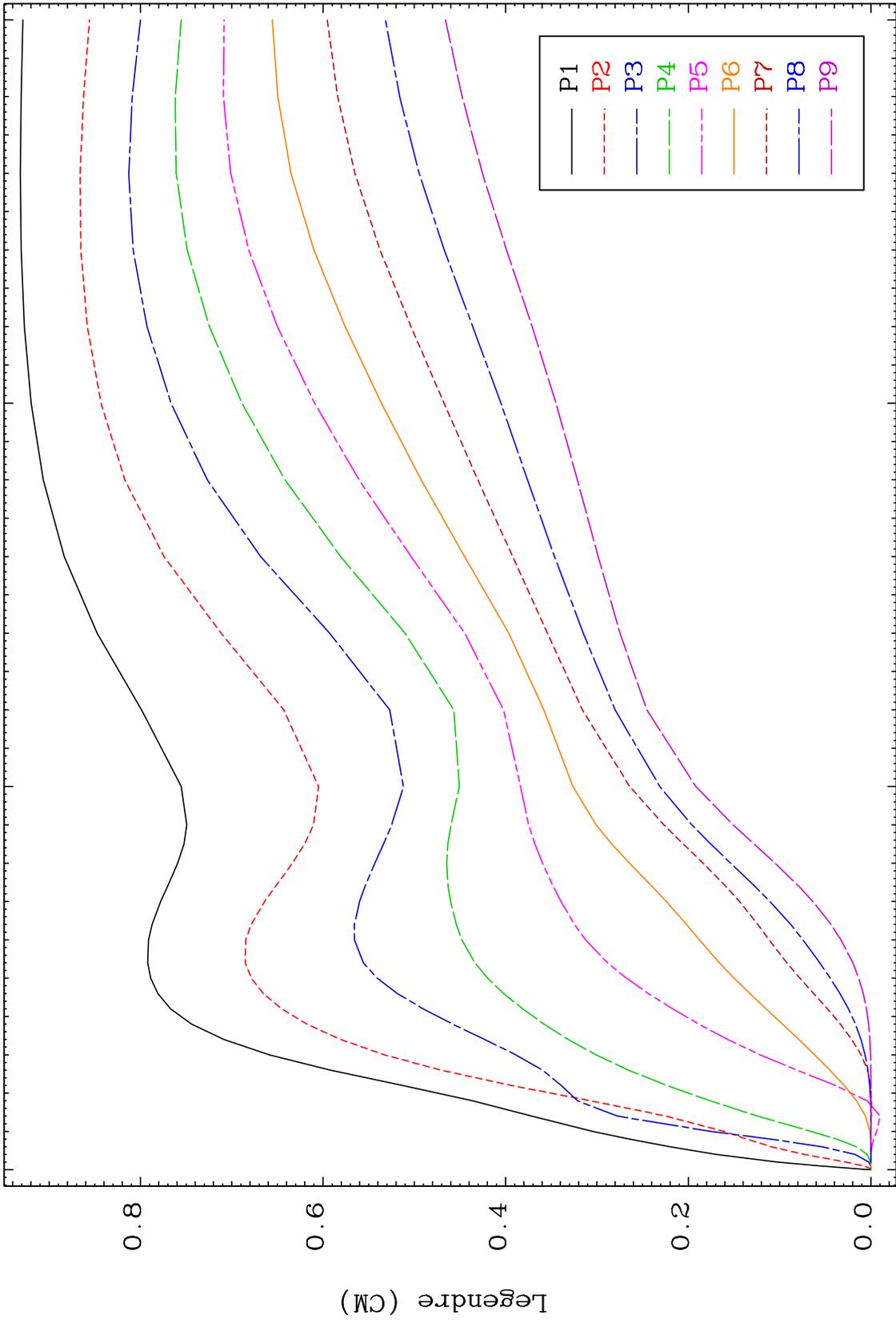
83-Bi-197



MAT 8289

83-Bi-197

Elastic Legendre Coefficients



14

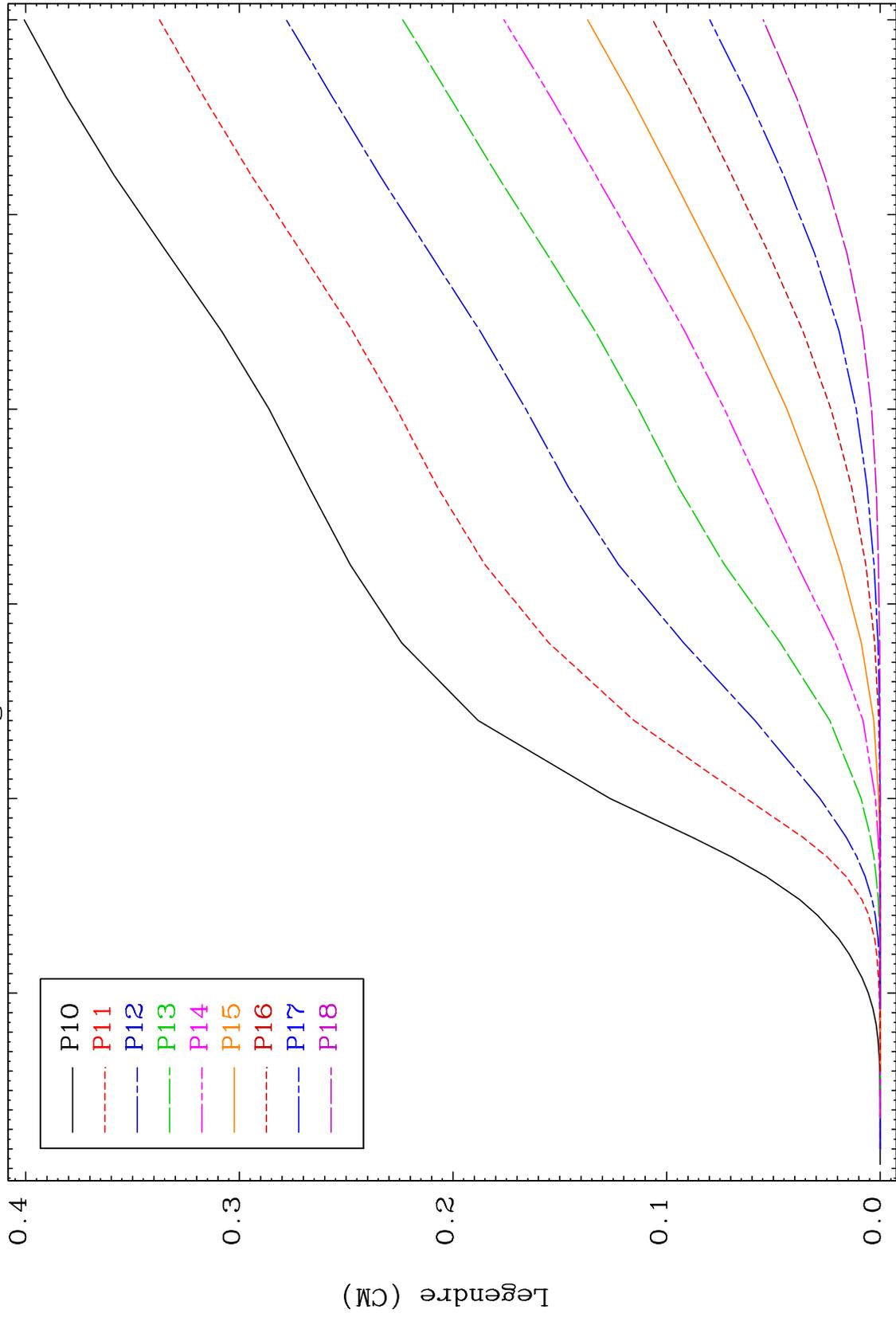
83-Bi-197

83-Bi-197

MAT 8289

Elastic Legendre Coefficients

83-Bi-197



15

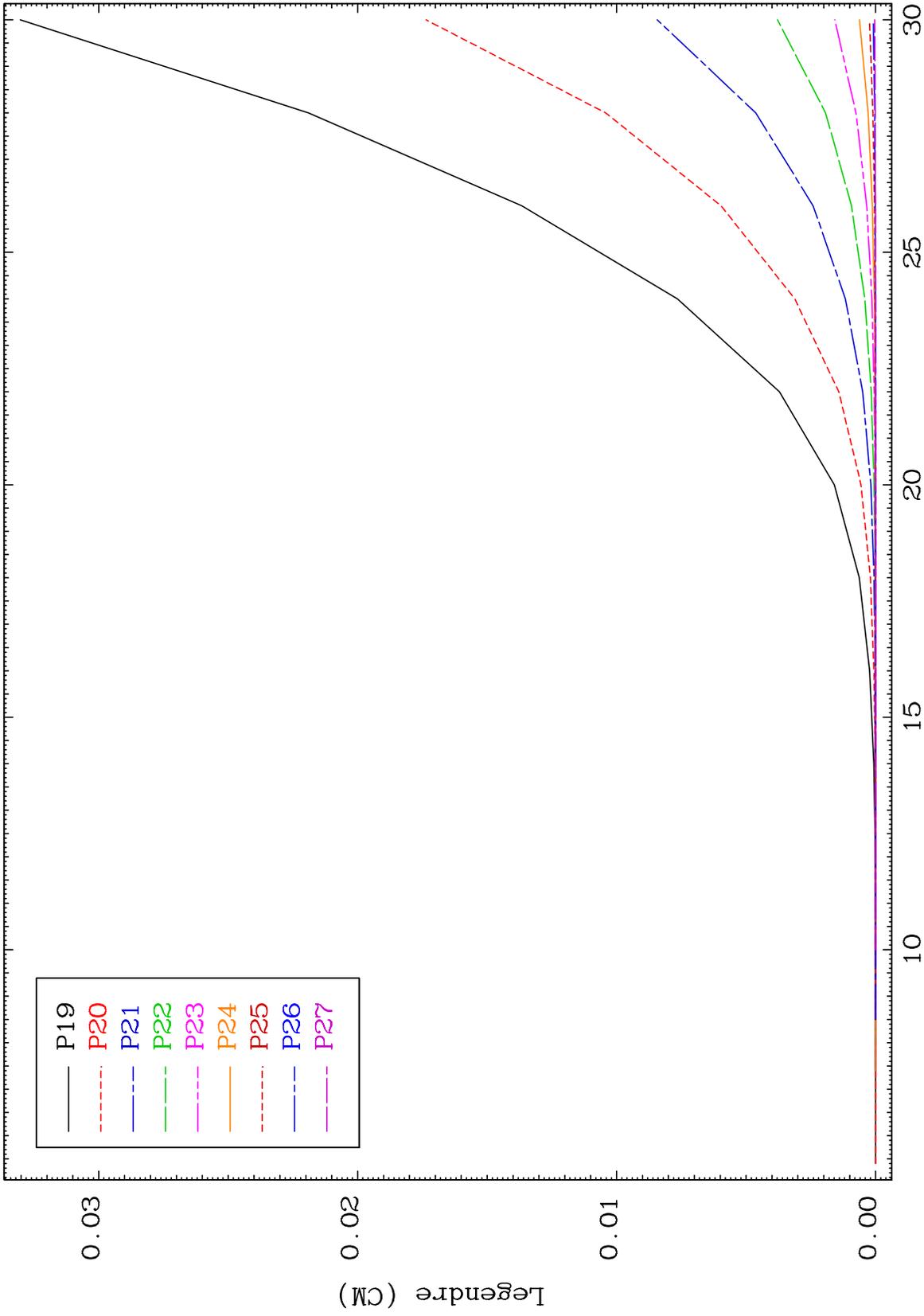
Incident Energy (MeV)

83-Bi-197

MAT 8289

Elastic Legendre Coefficients

83-Bi-197



16

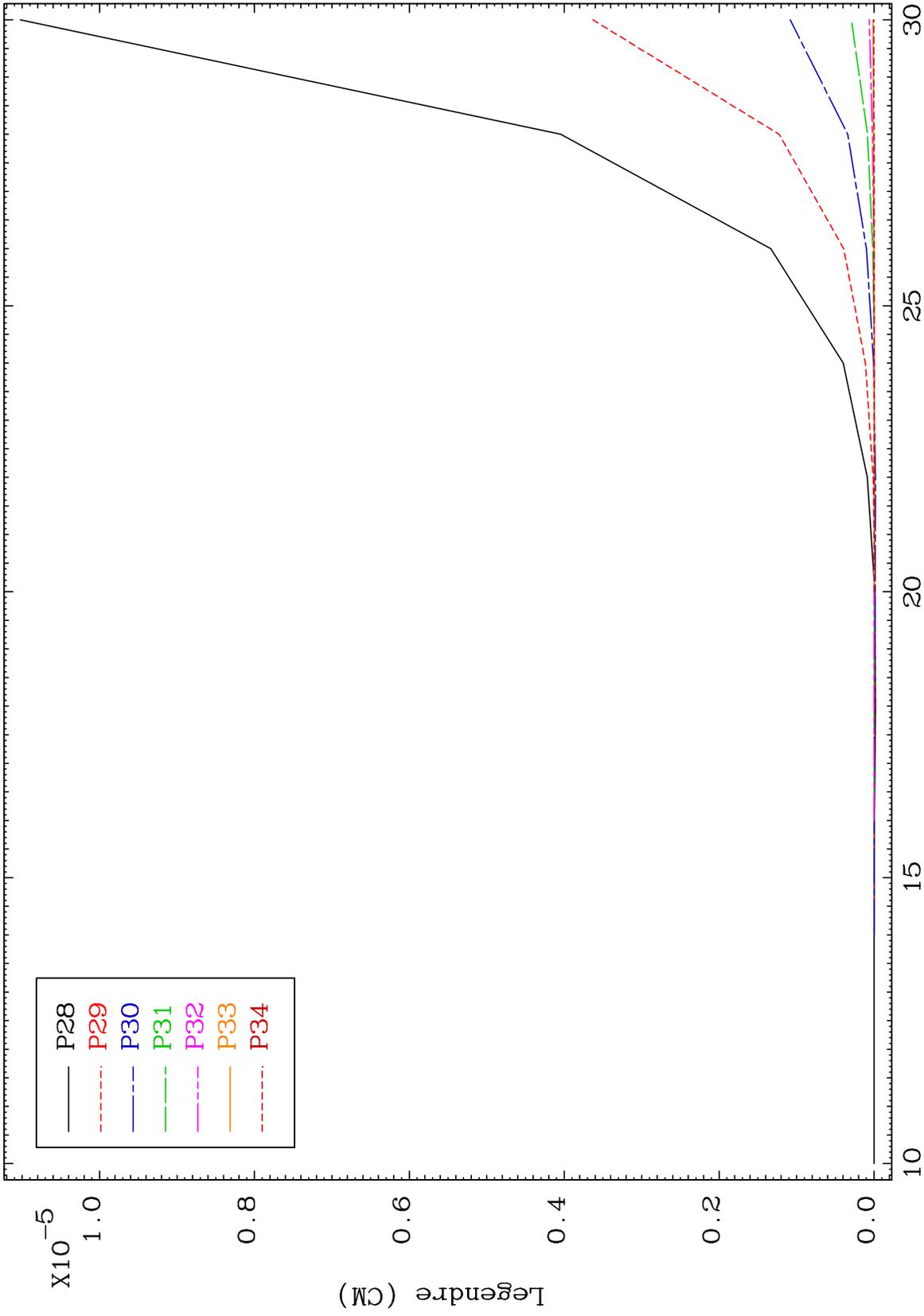
Incident Energy (MeV)

83-Bi-197

MAT 8289

Elastic Legendre Coefficients

83-Bi-197



17

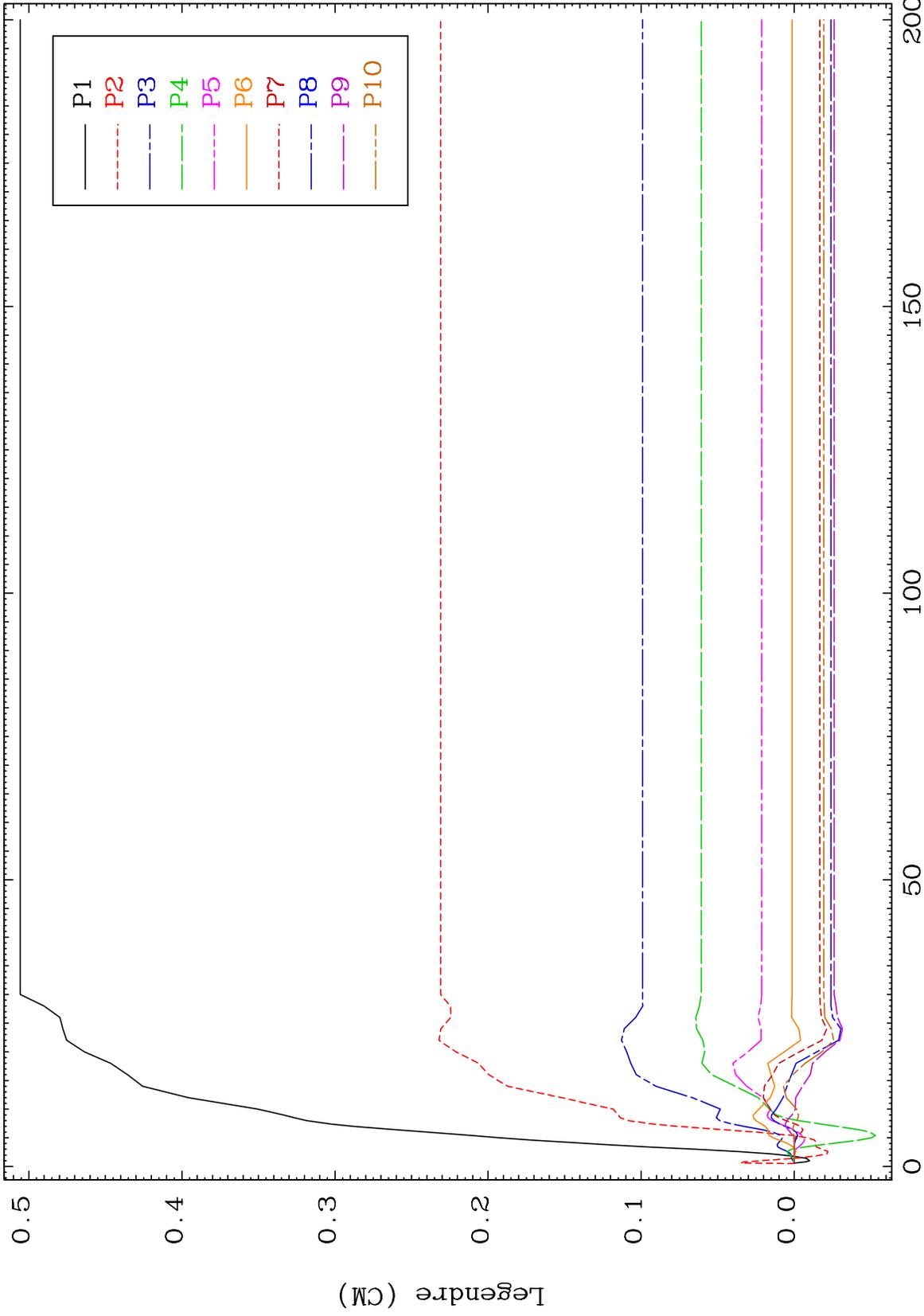
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



18

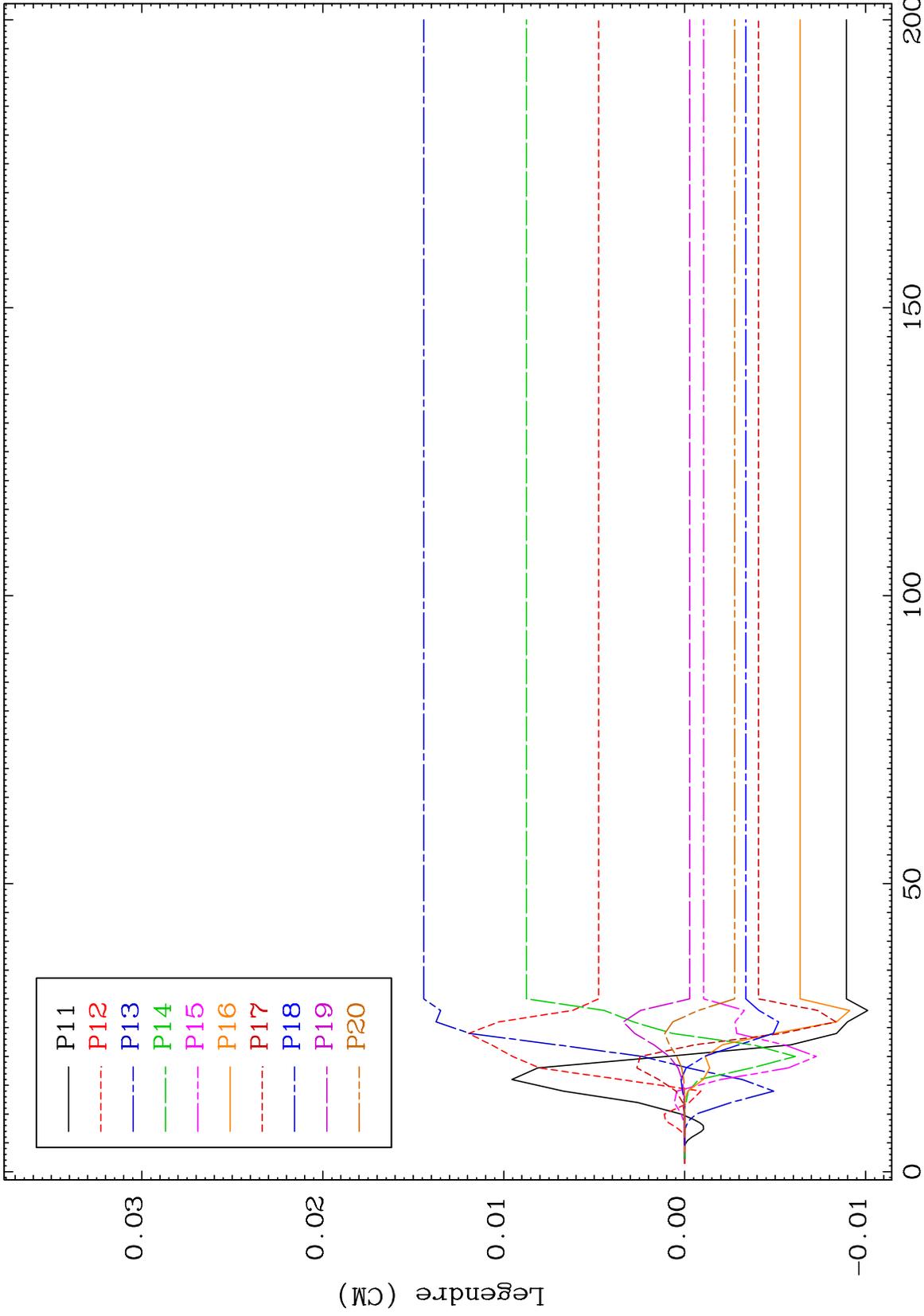
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



19

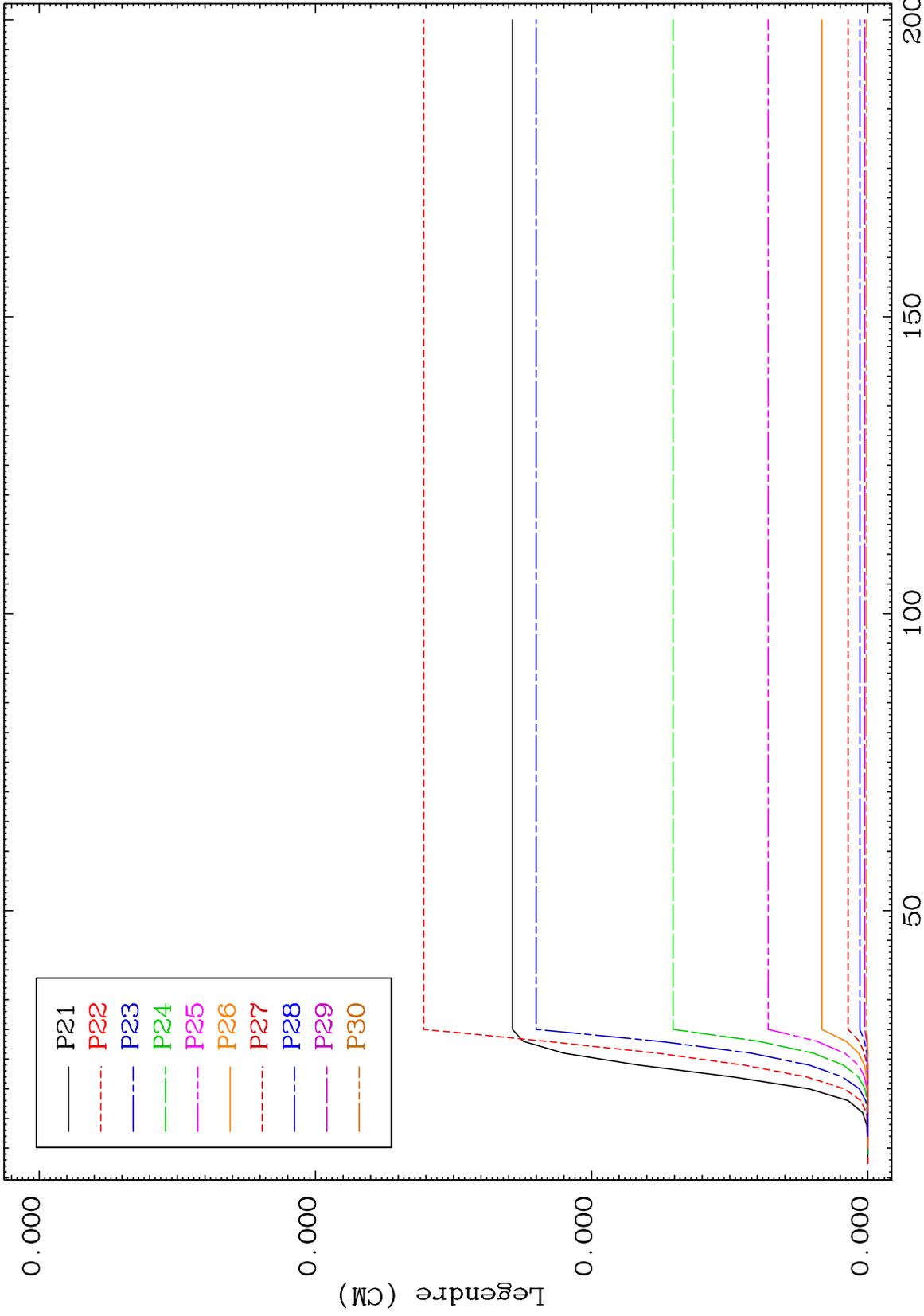
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



20

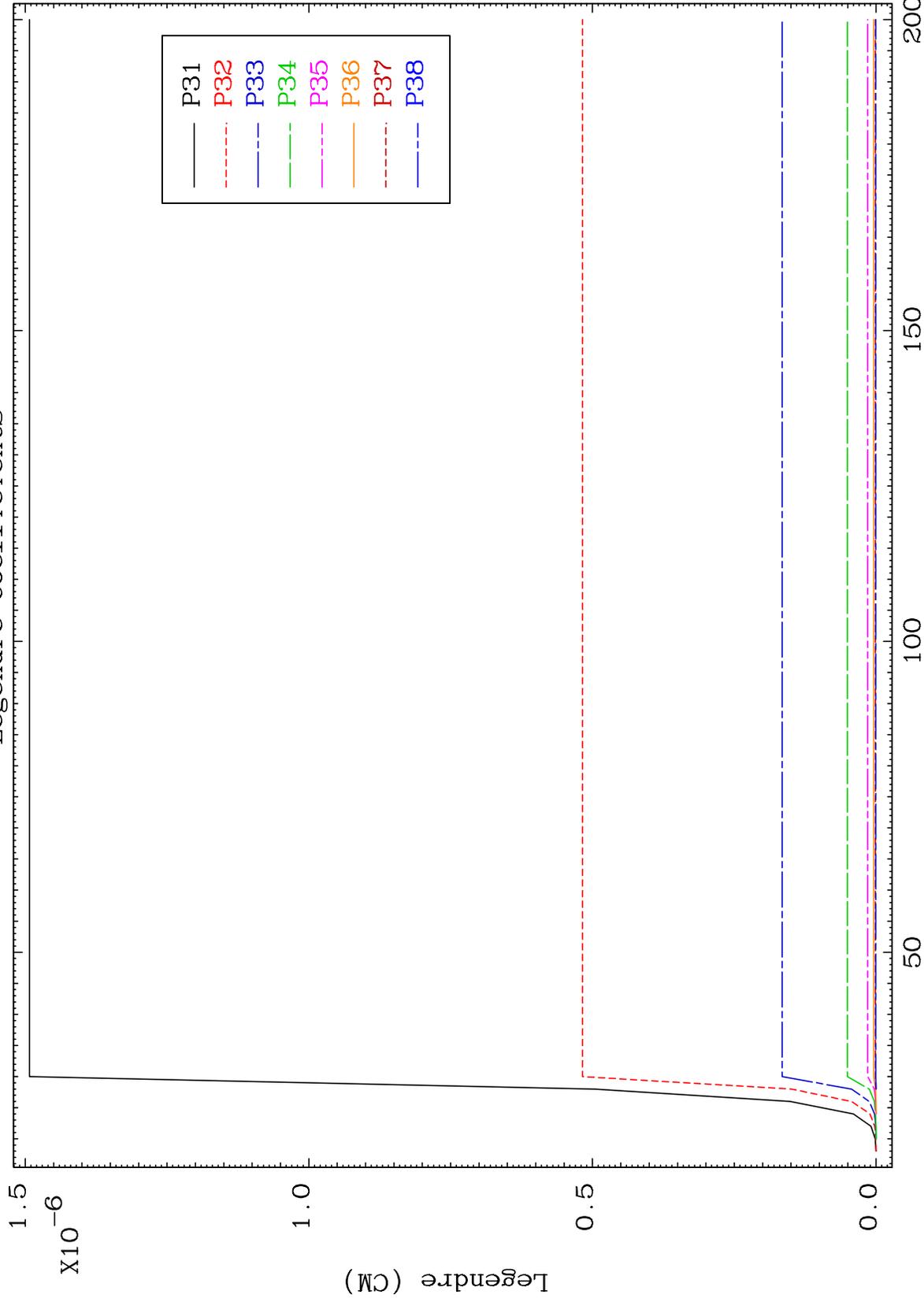
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



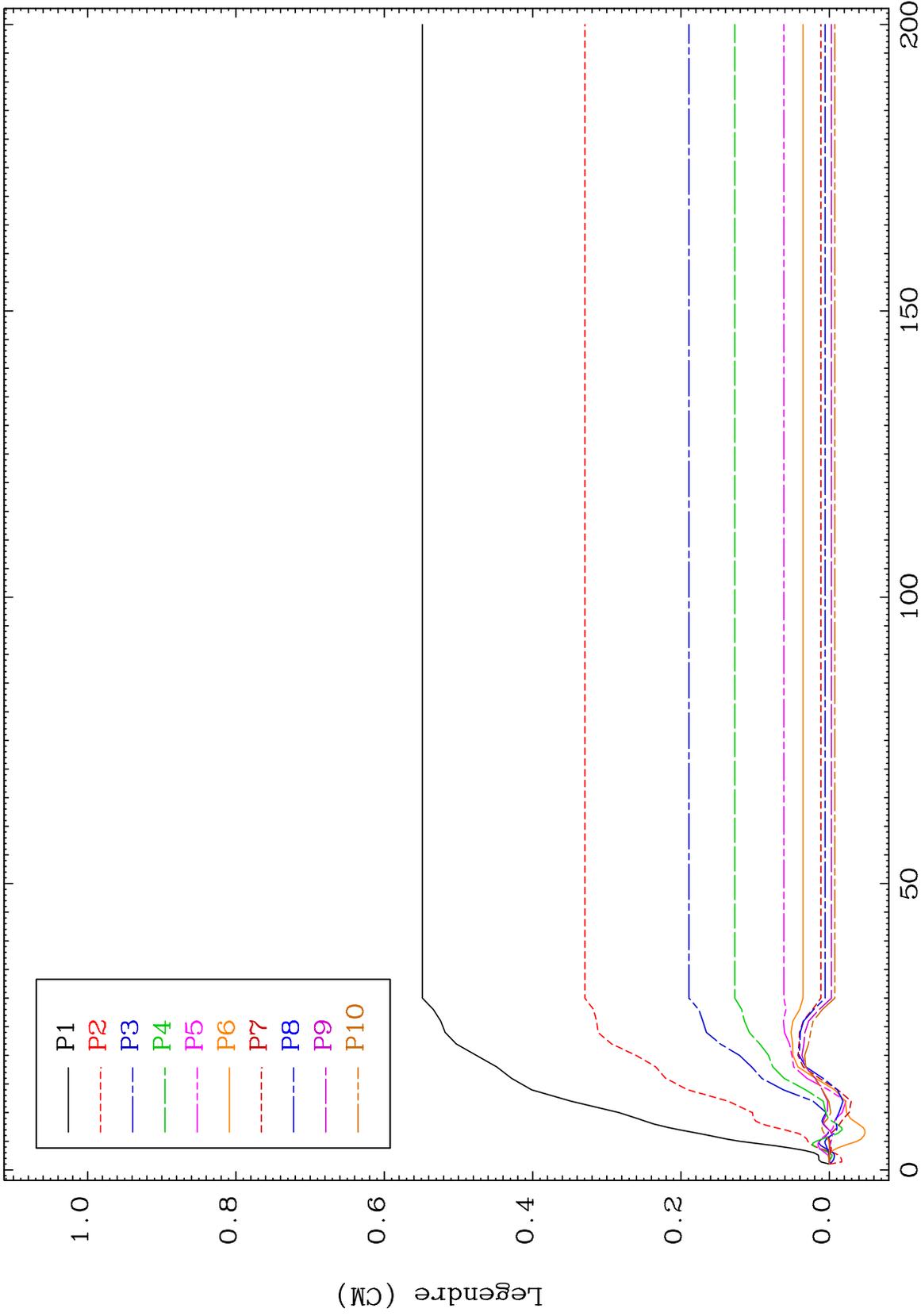
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83-Bi-197

MAT 8289

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

83-Bi-197

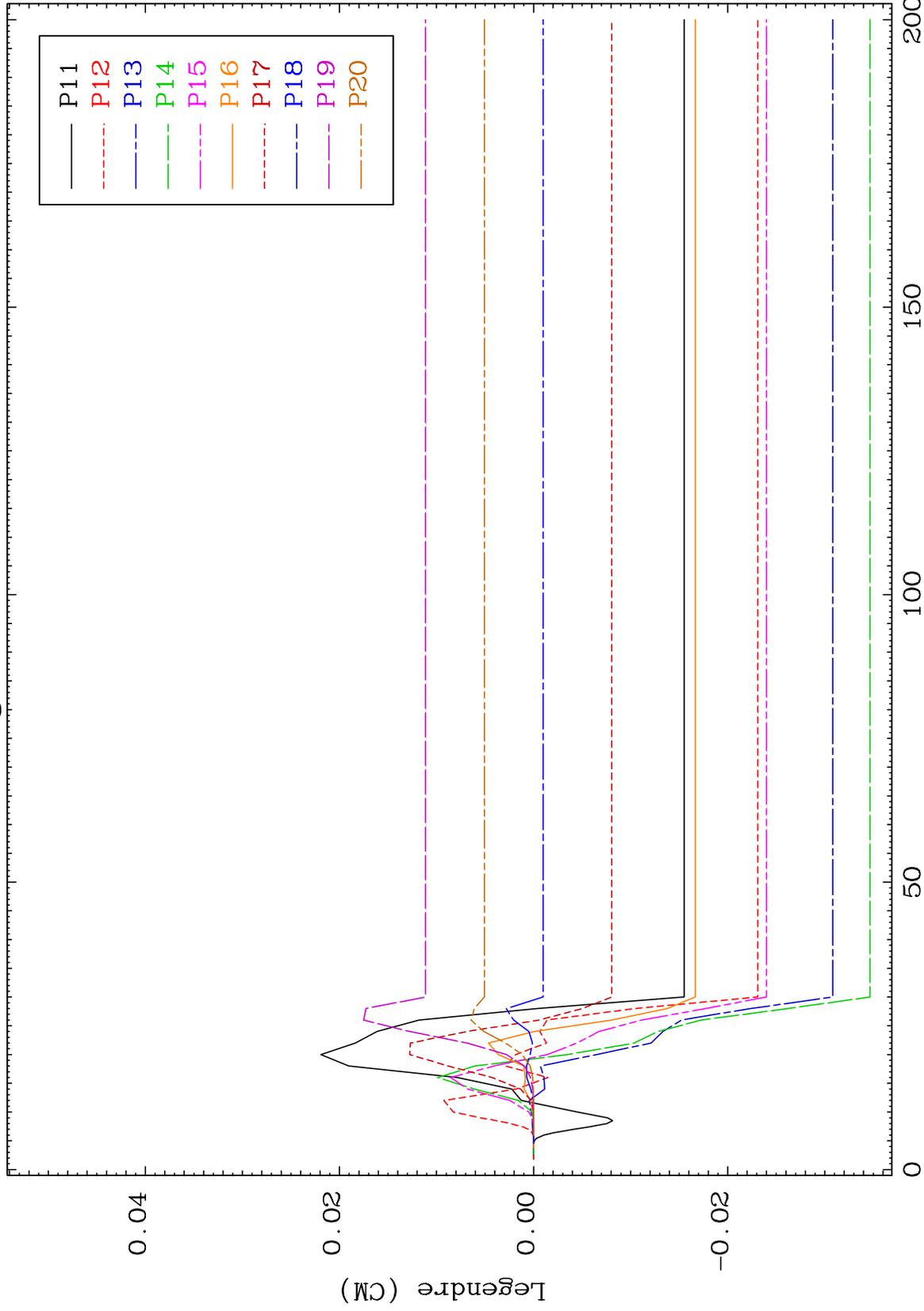


22

MAT 8289

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

83-Bi-197



23

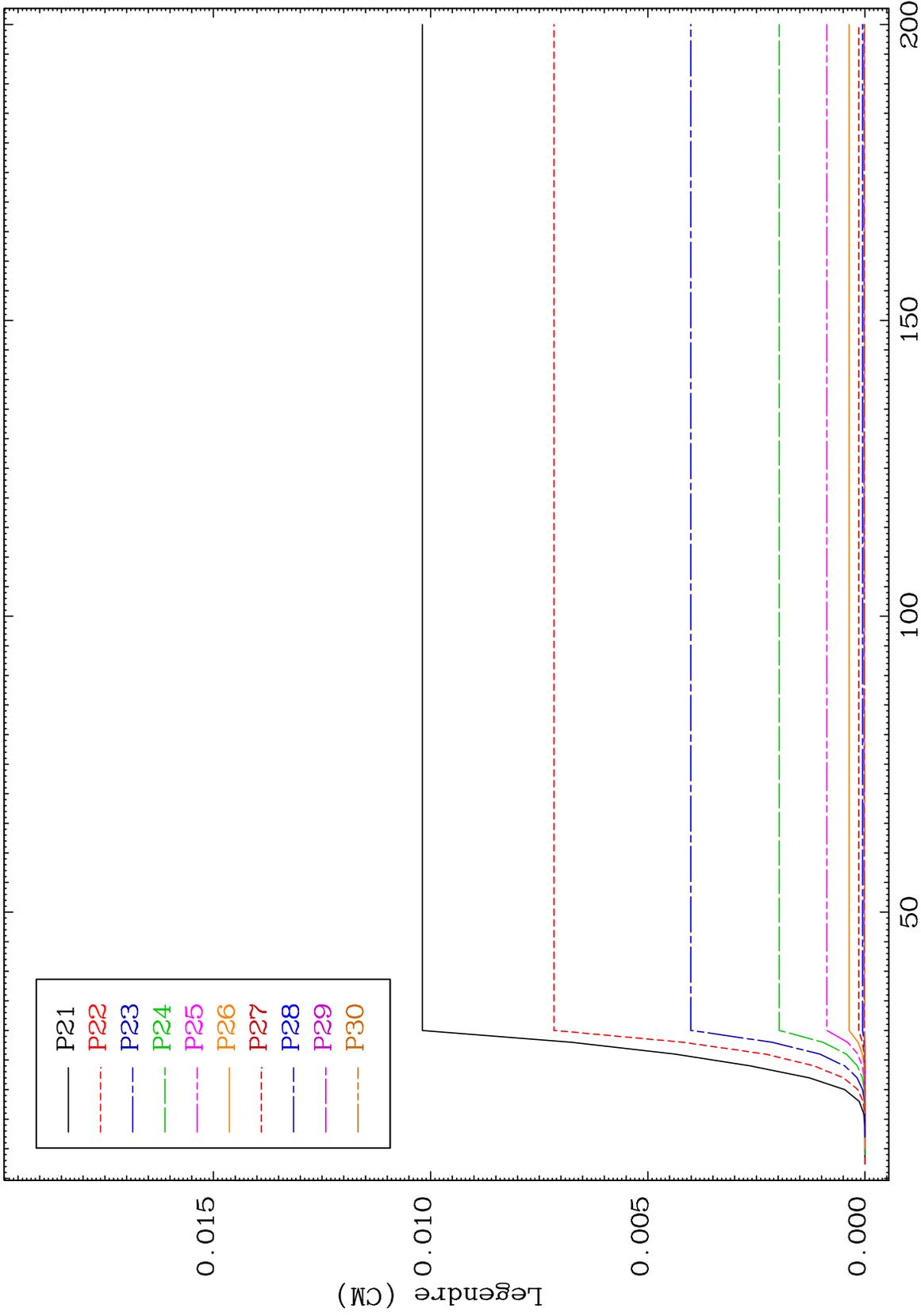
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



24

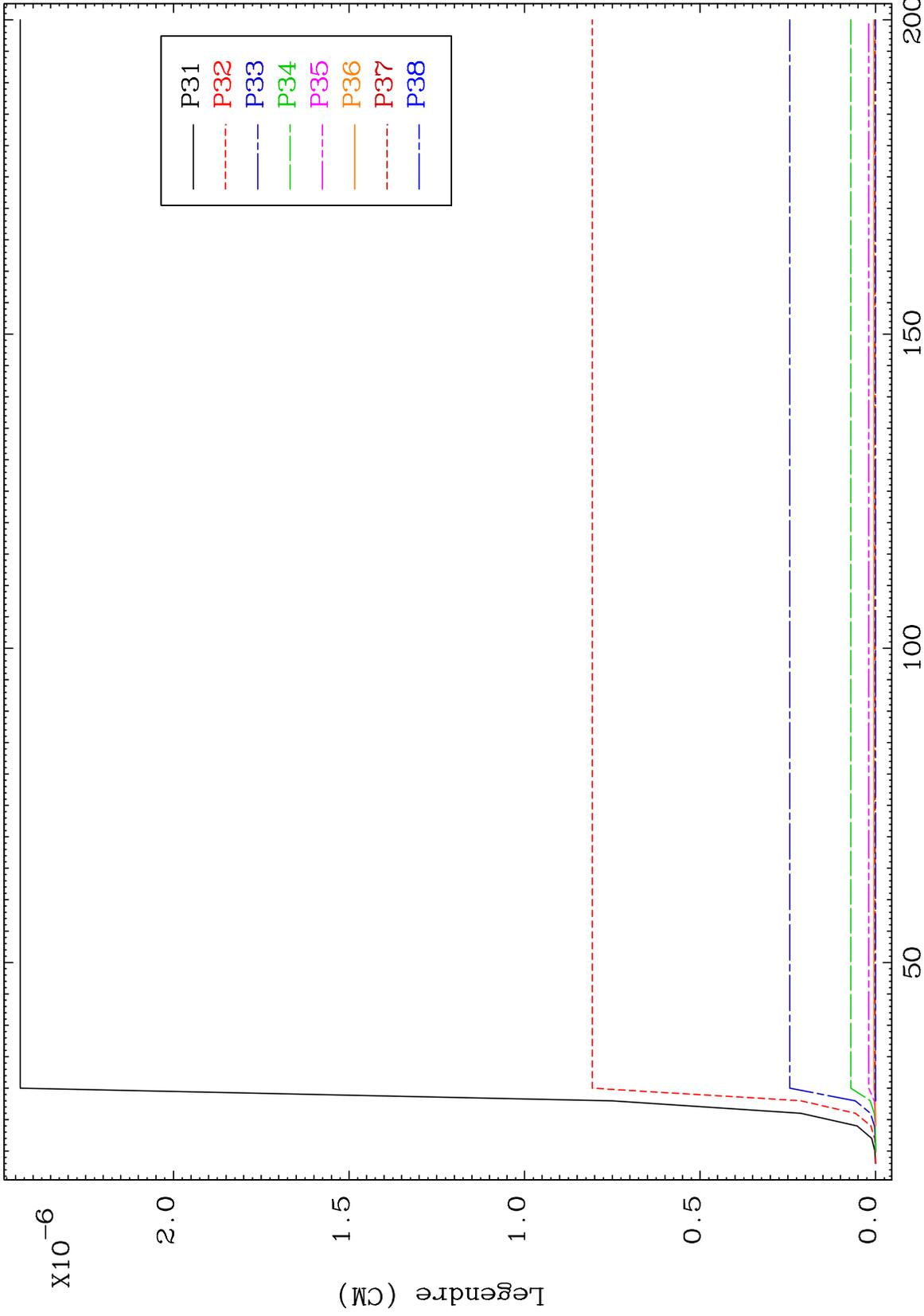
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MAT 8289

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

83-Bi-197



25

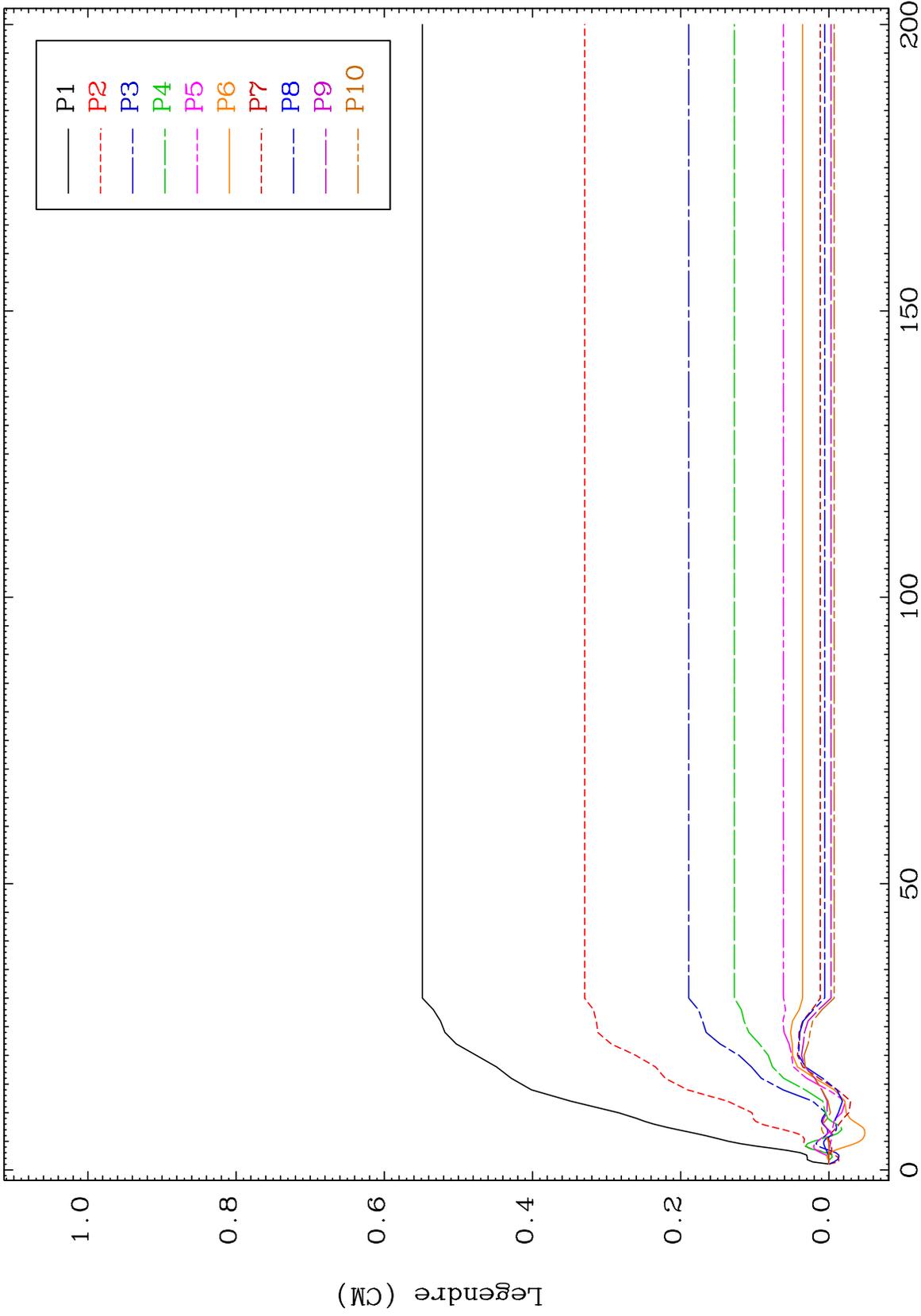
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



26

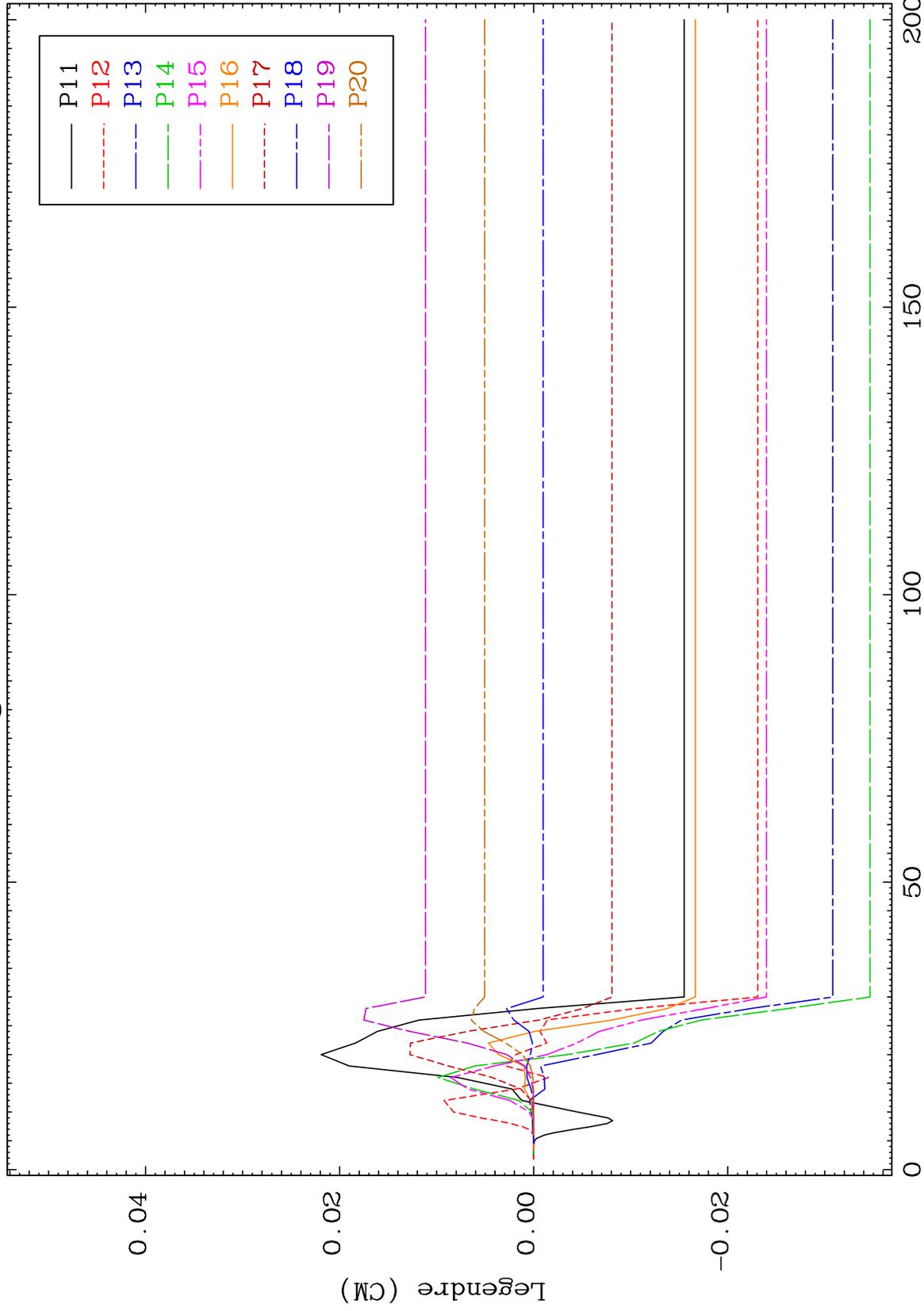
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



27

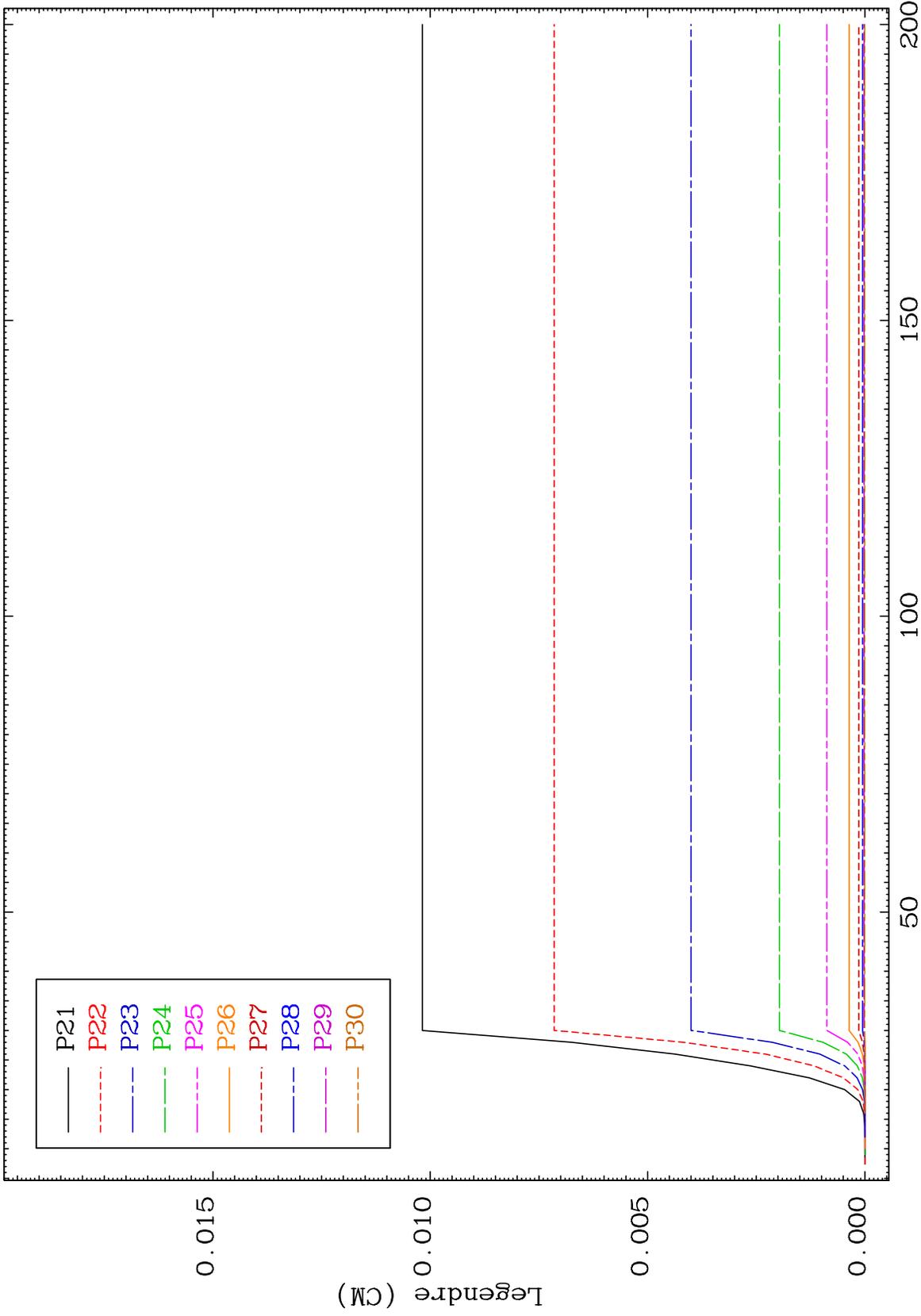
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83-Bi-197

MAT 8289

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

83-Bi-197



28

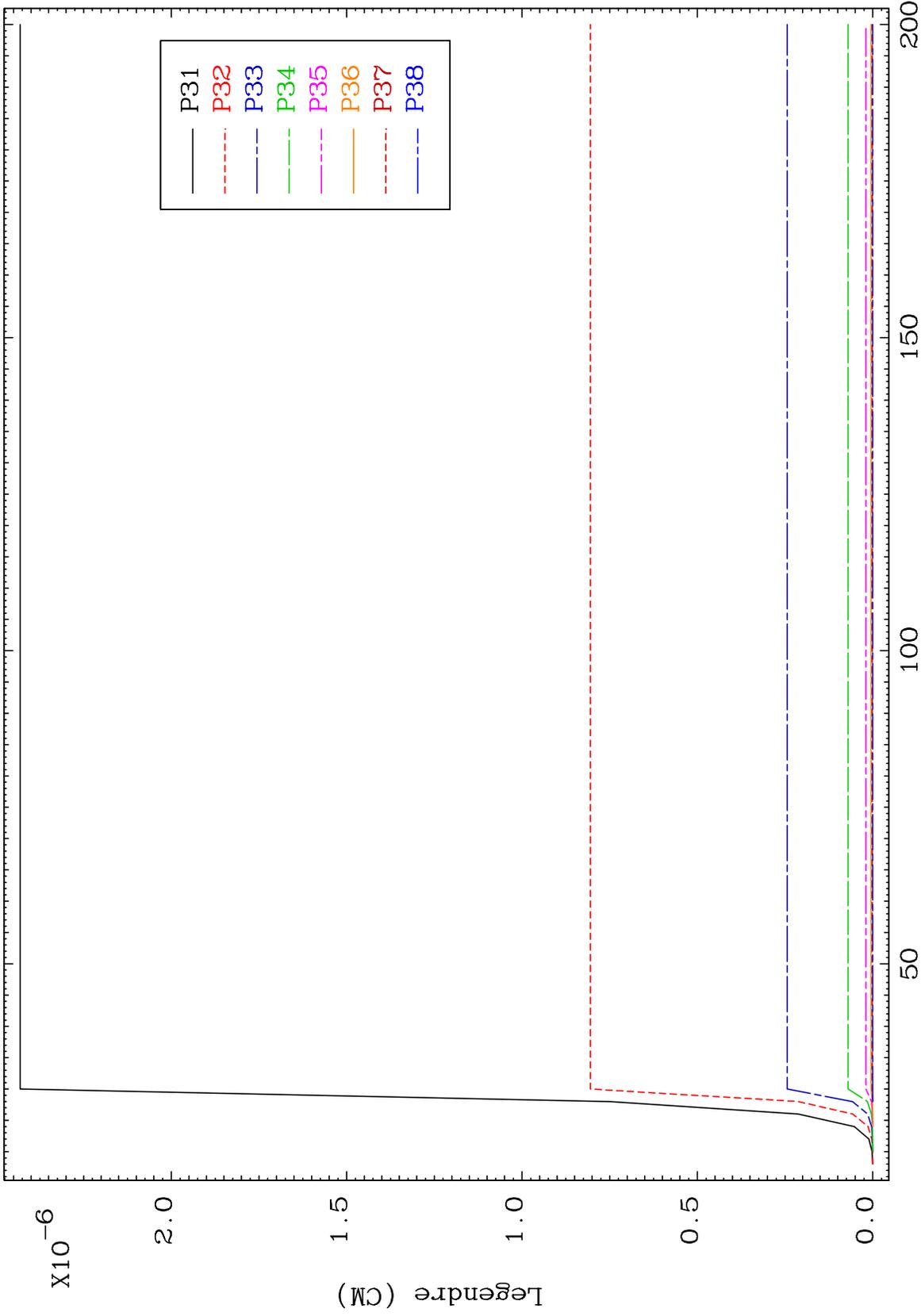
Incident Energy (MeV)

83-Bi-197

MAT 8289

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

83-Bi-197



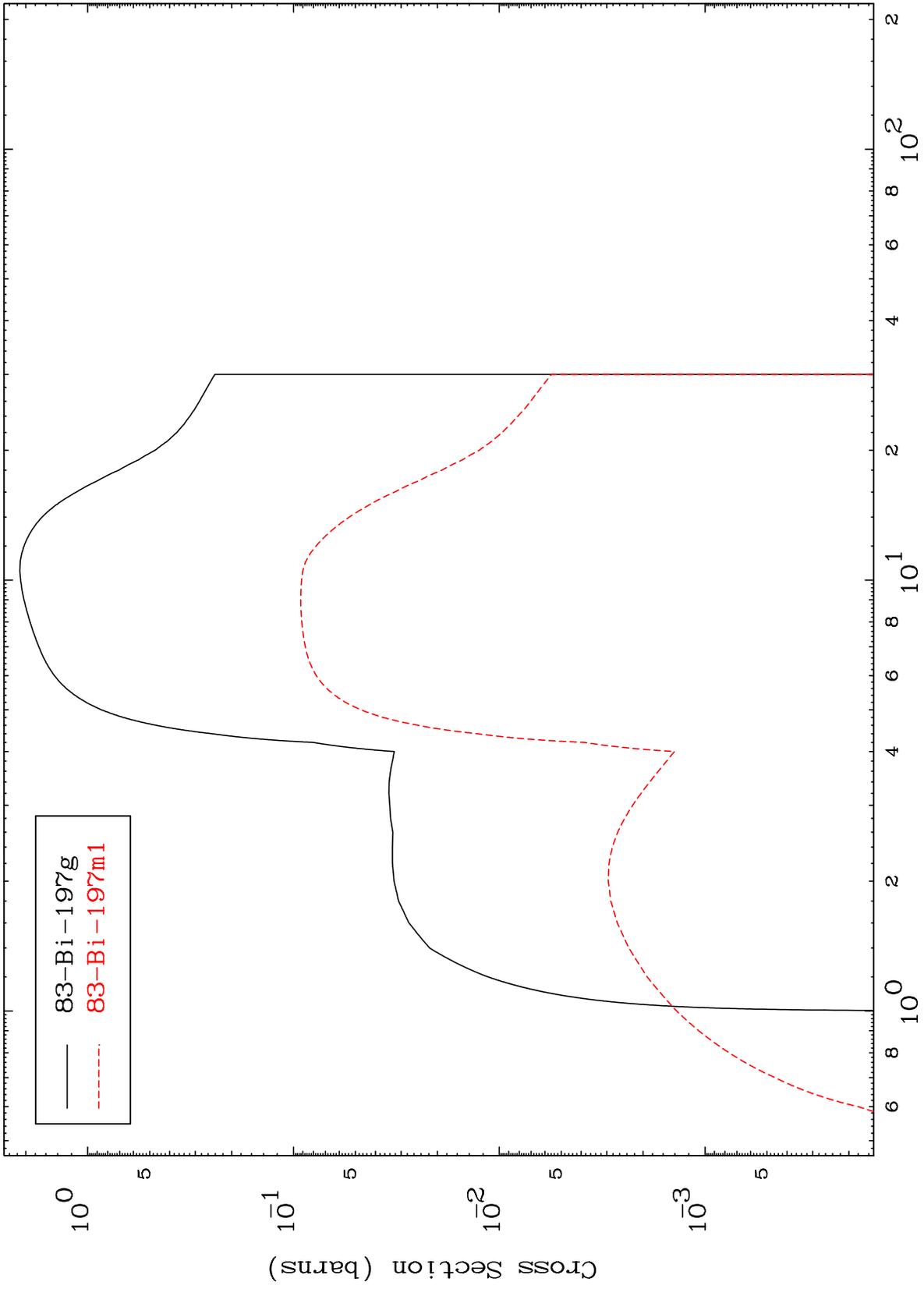
29

83-Bi-197

MAT 8289

Inelastic
Radionuclide Production Cross Section

83-Bi-197



83-Bi-197g
83-Bi-197m1

30

Incident Energy (MeV)

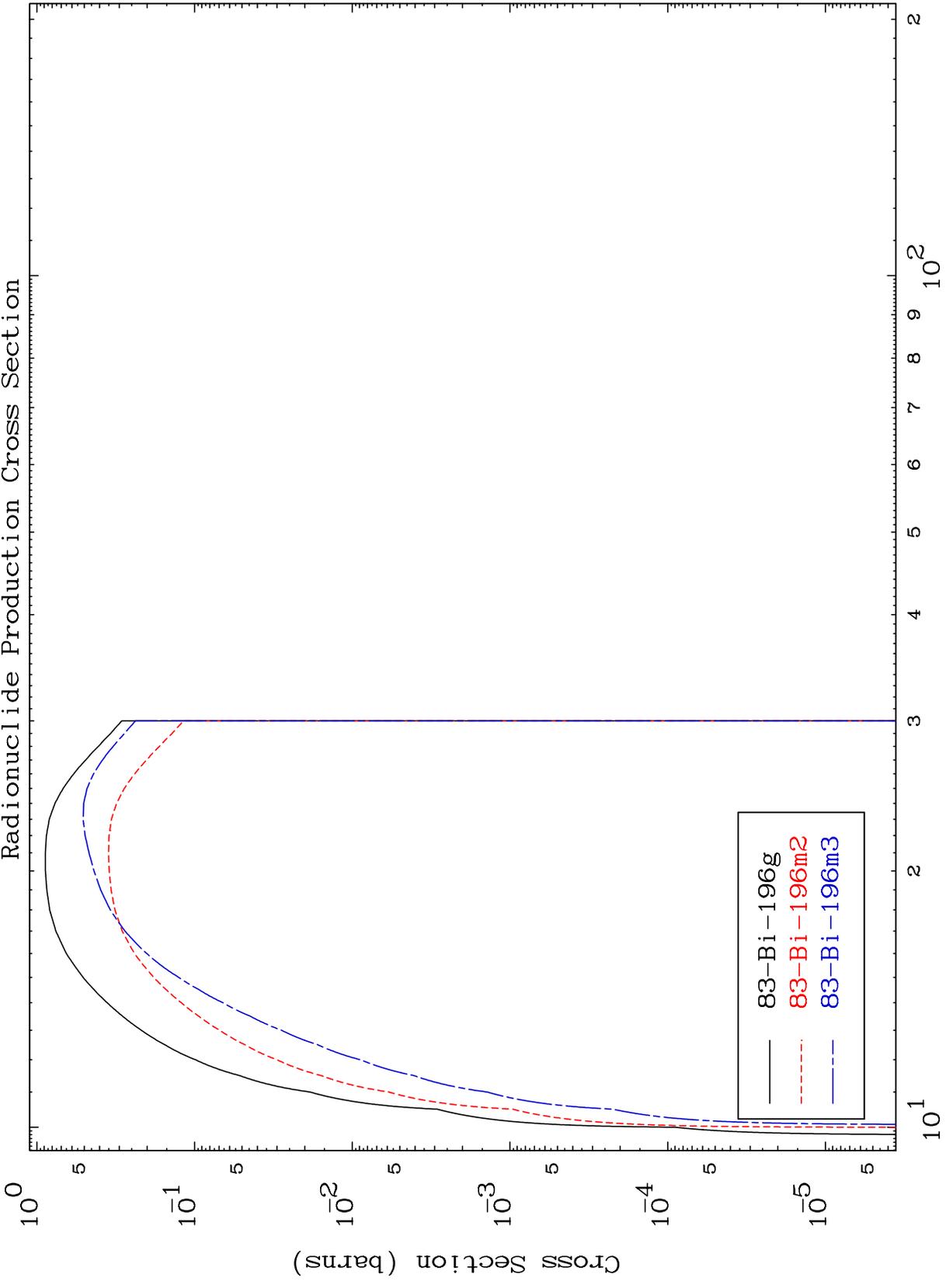
83-Bi-197

MAT 8289

83-Bi-197

Radionuclide Production Cross Section

(n,2n)



31

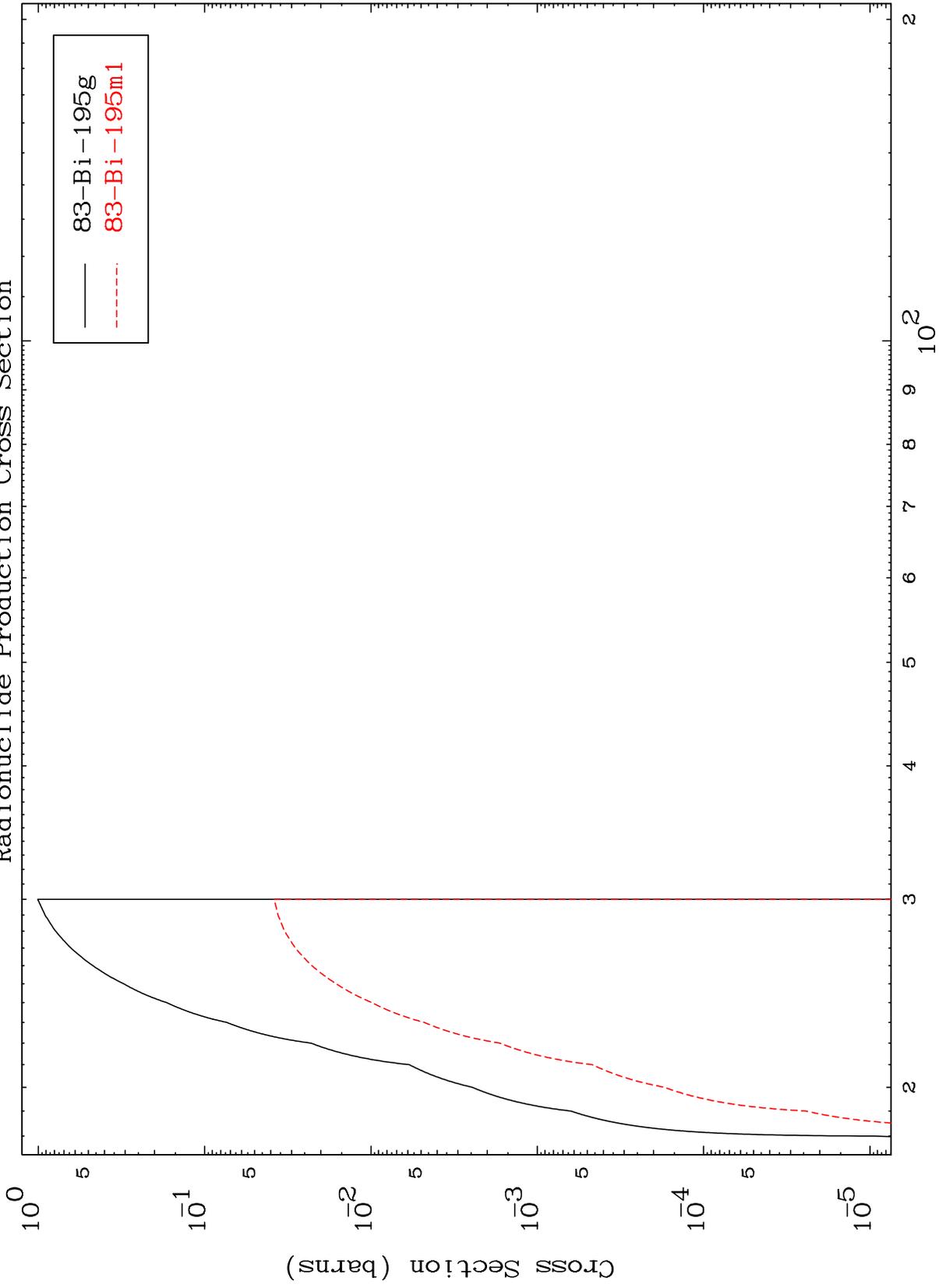
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

(n,3n)
Radionuclide Production Cross Section



32

83-Bi-197

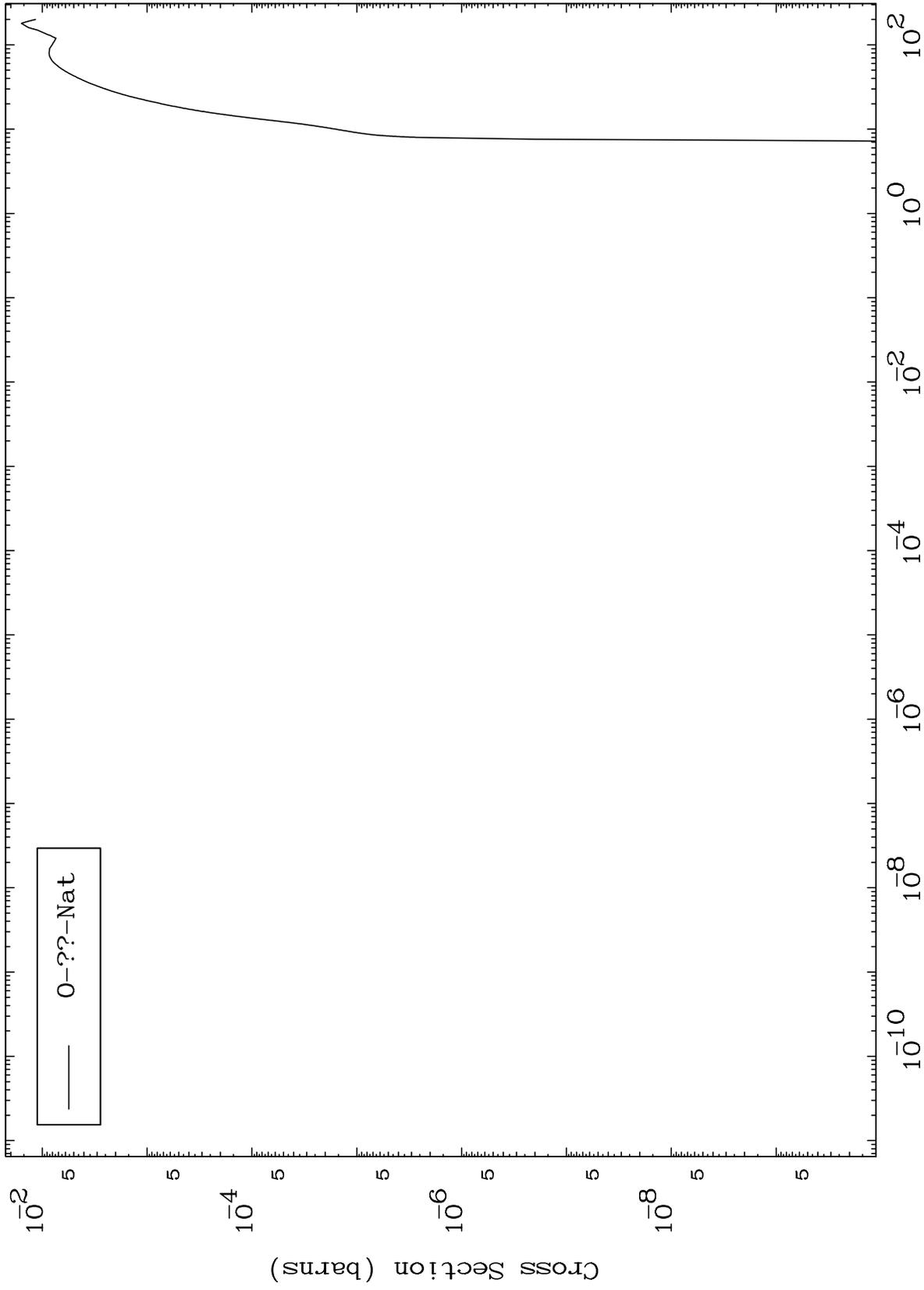
Incident Energy (MeV)

MAT 8289

Fission

83-Bi-197

Radionuclide Production Cross Section



33

Incident Energy (MeV)

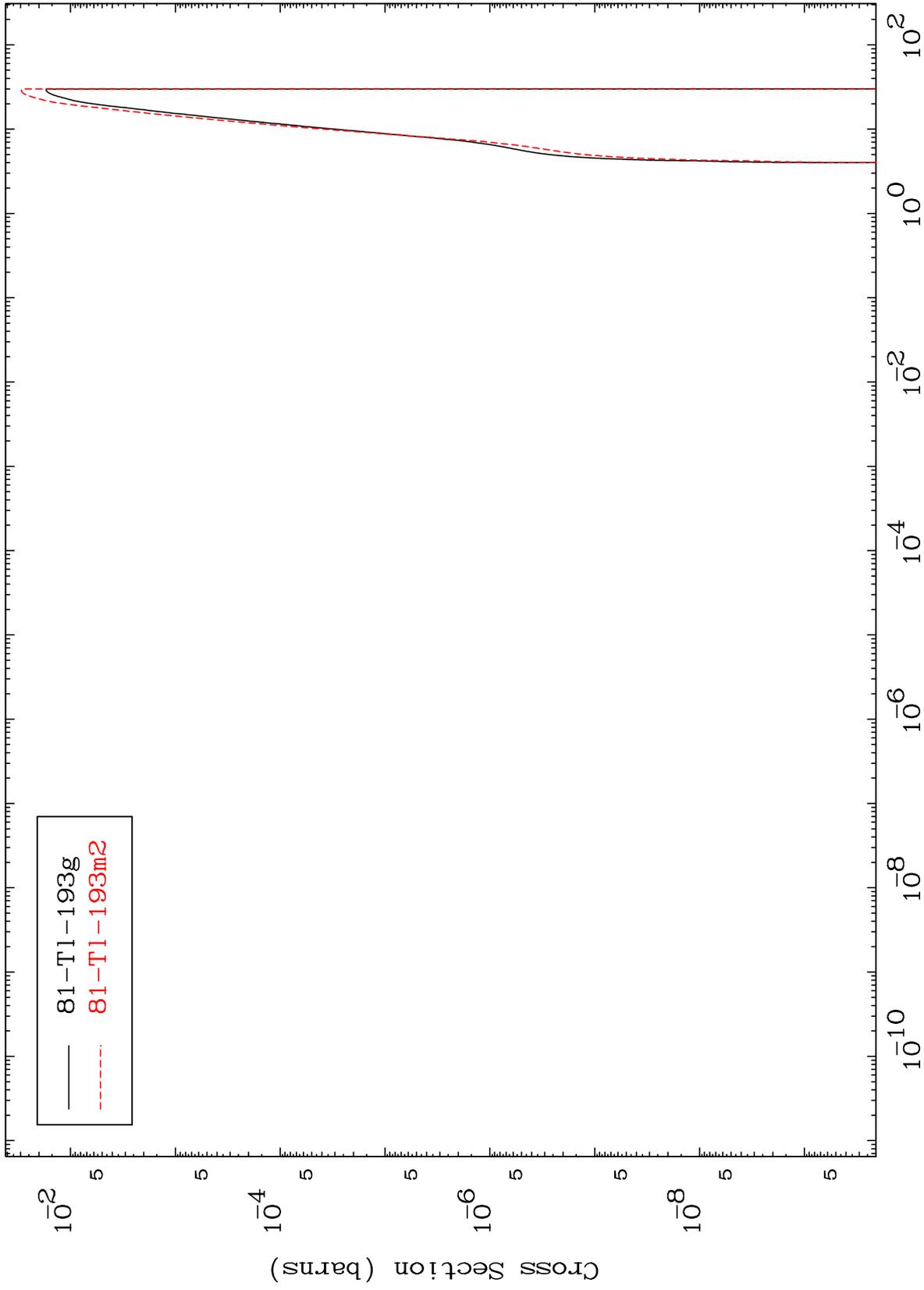
83-Bi-197

MAT 8289

(n,n') α

83-Bi-197

Radionuclide Production Cross Section



34

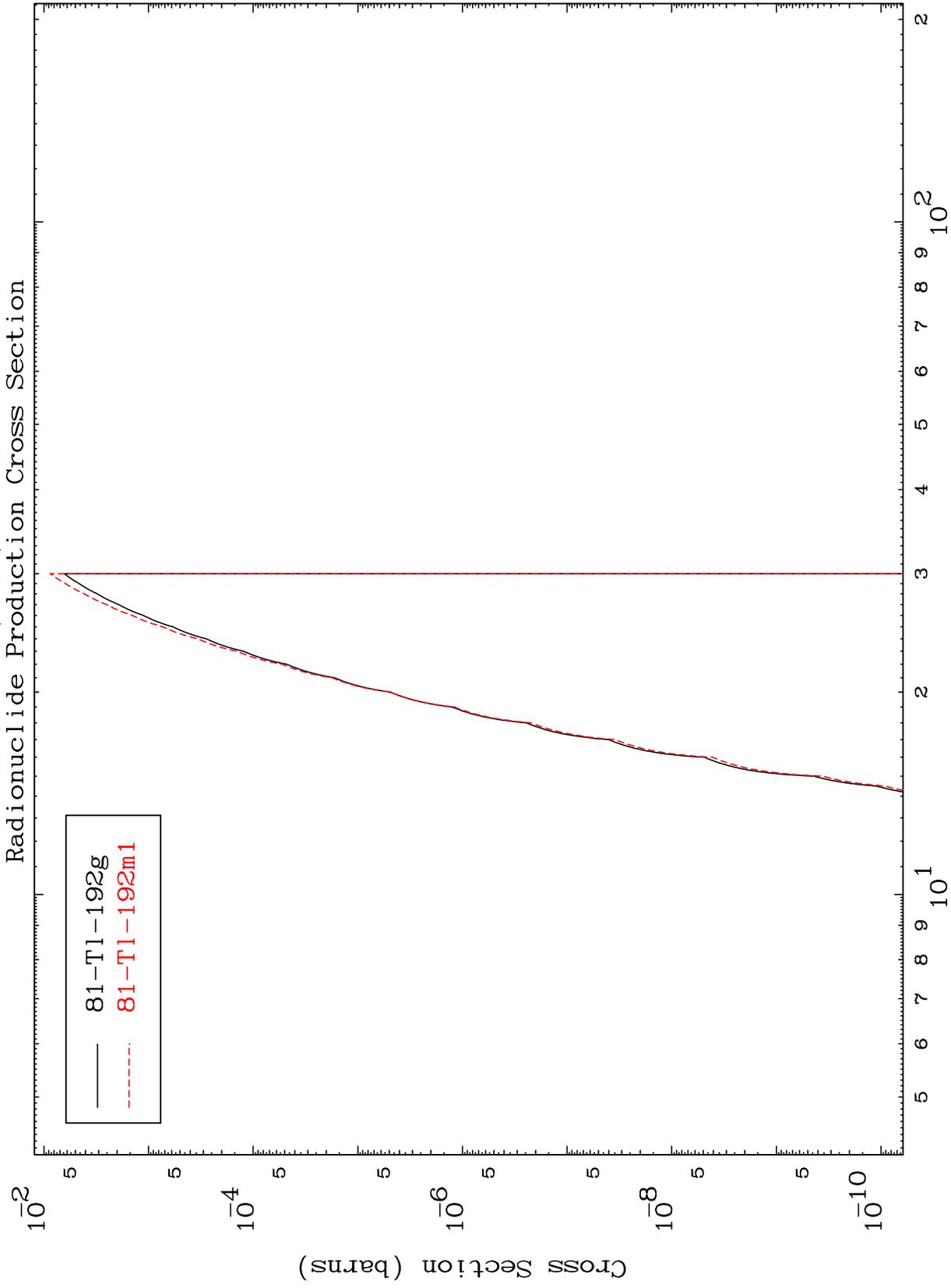
Incident Energy (MeV)

83-Bi-197

MAT 8289

(n,2n) α

83-Bi-197



35

Incident Energy (MeV)

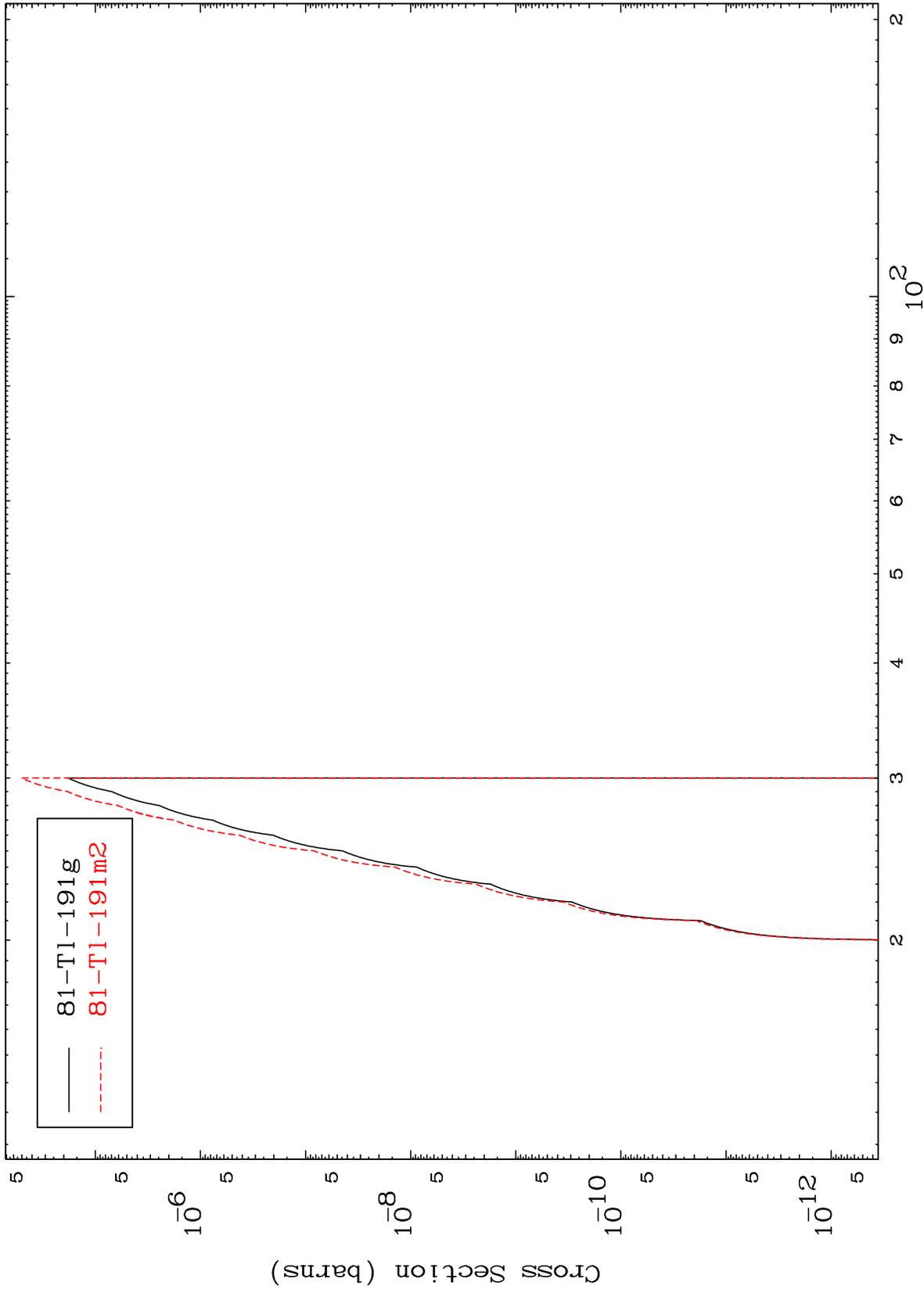
83-Bi-197

MAT 8289

(n,3n) α

83-Bi-197

Radionuclide Production Cross Section



36

Incident Energy (MeV)

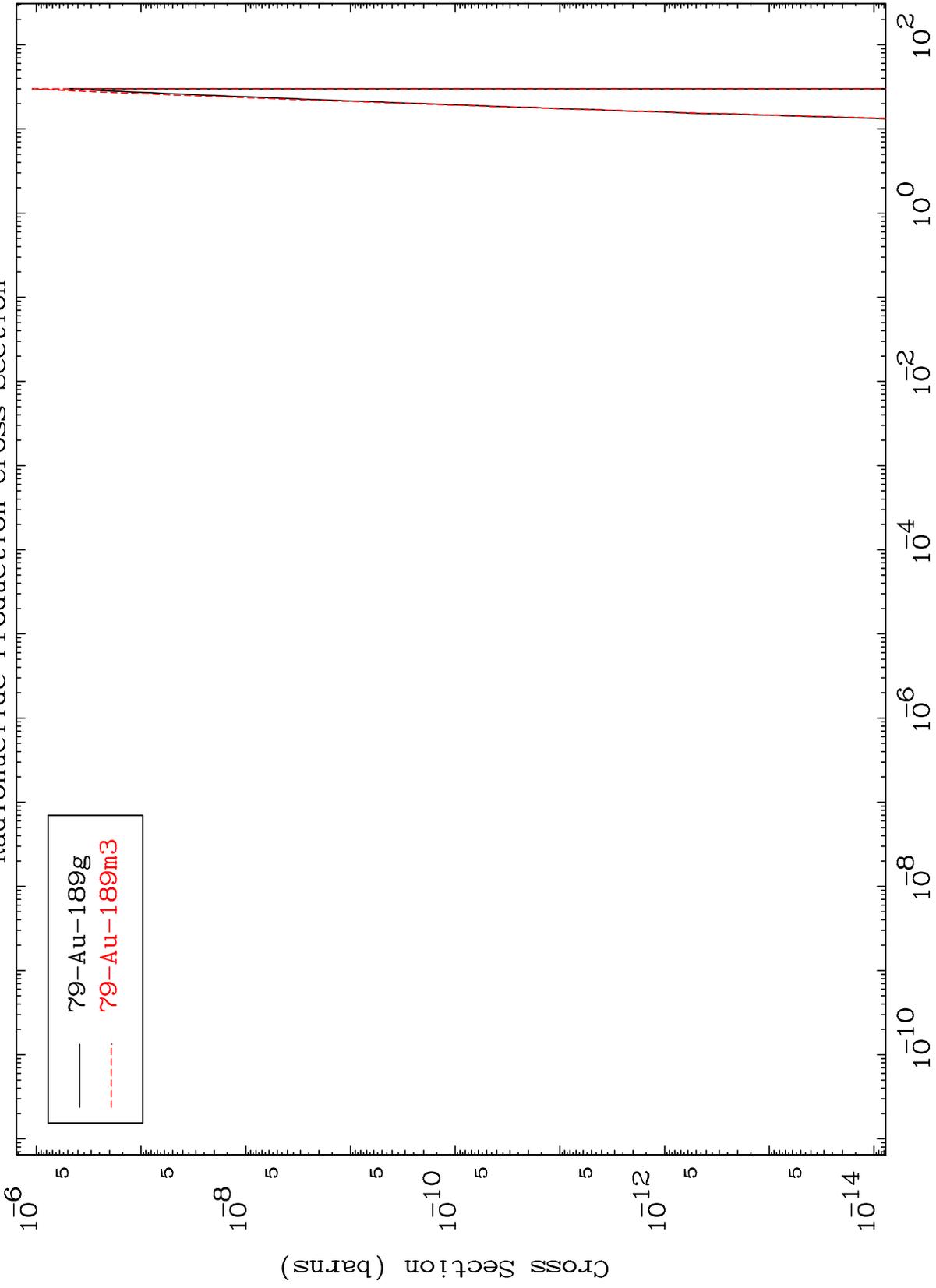
83-Bi-197

MAT 8289

(n,n') 2 α

83-Bi-197

Radionuclide Production Cross Section



37

Incident Energy (MeV)

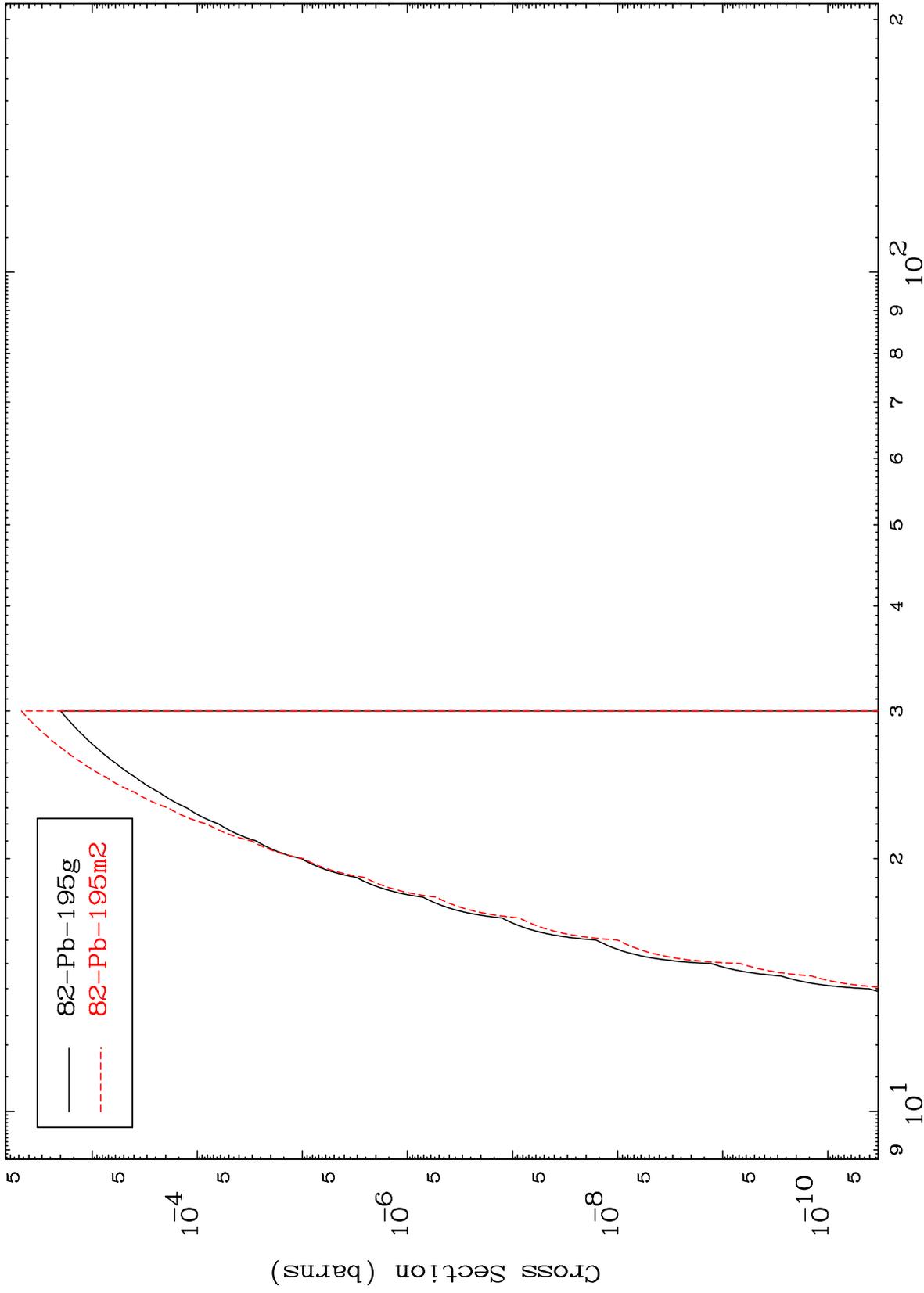
83-Bi-197

MAT 8289

(n,n') d

83-Bi-197

Radionuclide Production Cross Section



38

Incident Energy (MeV)

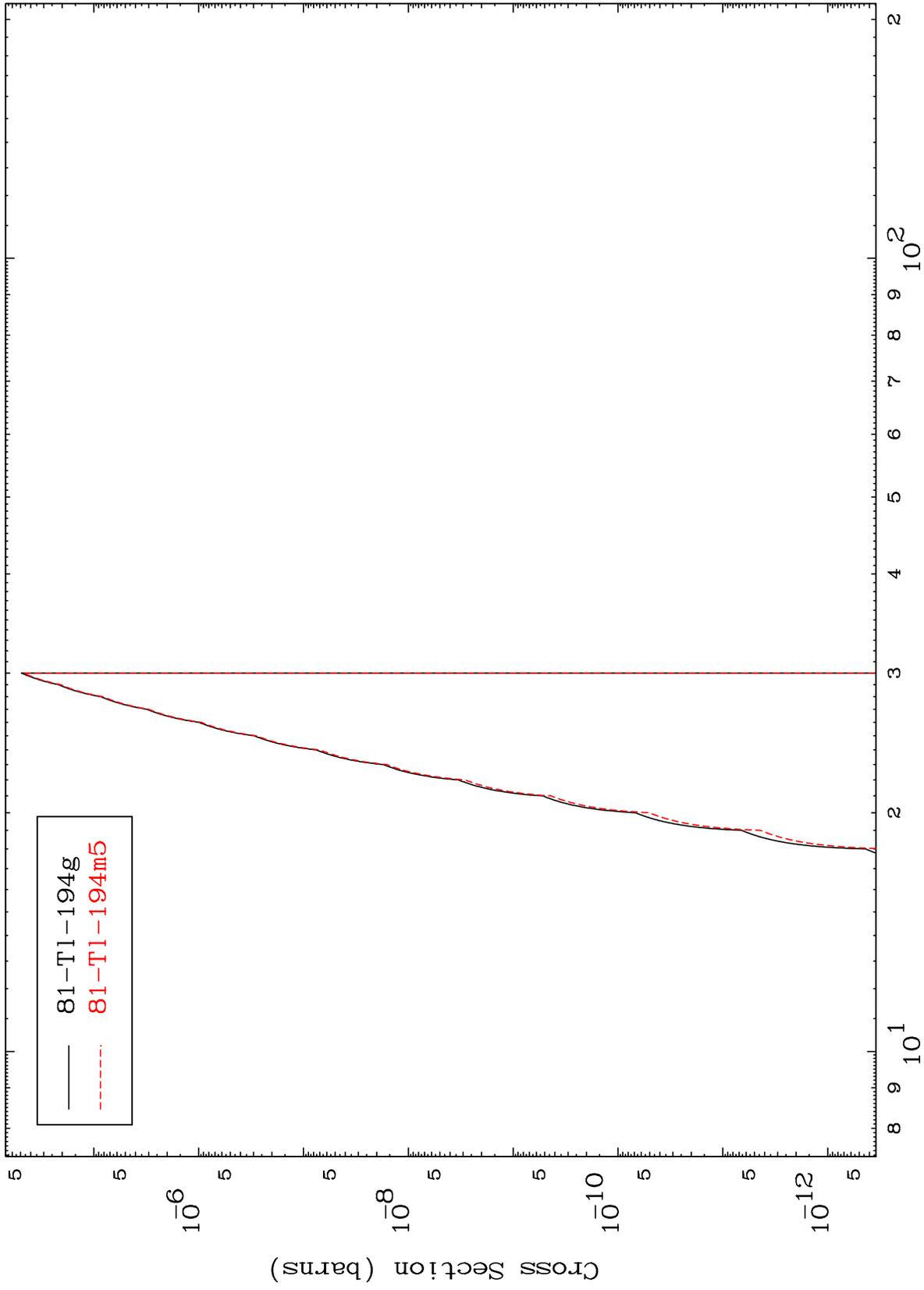
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MAT 8289

(n, n') He-3

83-Bi-197

Radionuclide Production Cross Section



81-Tl-194g
81-Tl-194m5

39

Incident Energy (MeV)

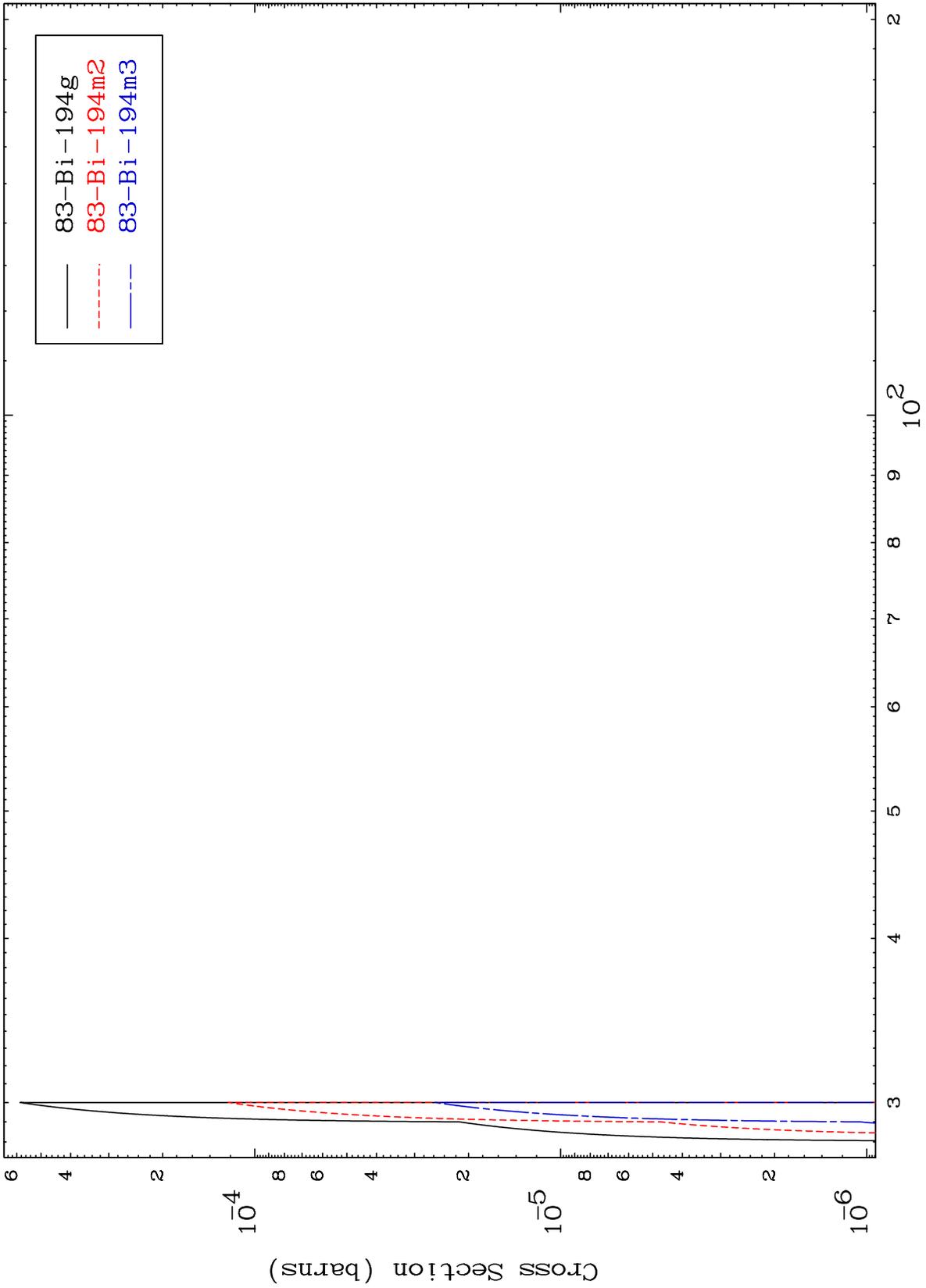
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MAT 8289

(n,4n)

83-Bi-197

Radionuclide Production Cross Section



40

Incident Energy (MeV)

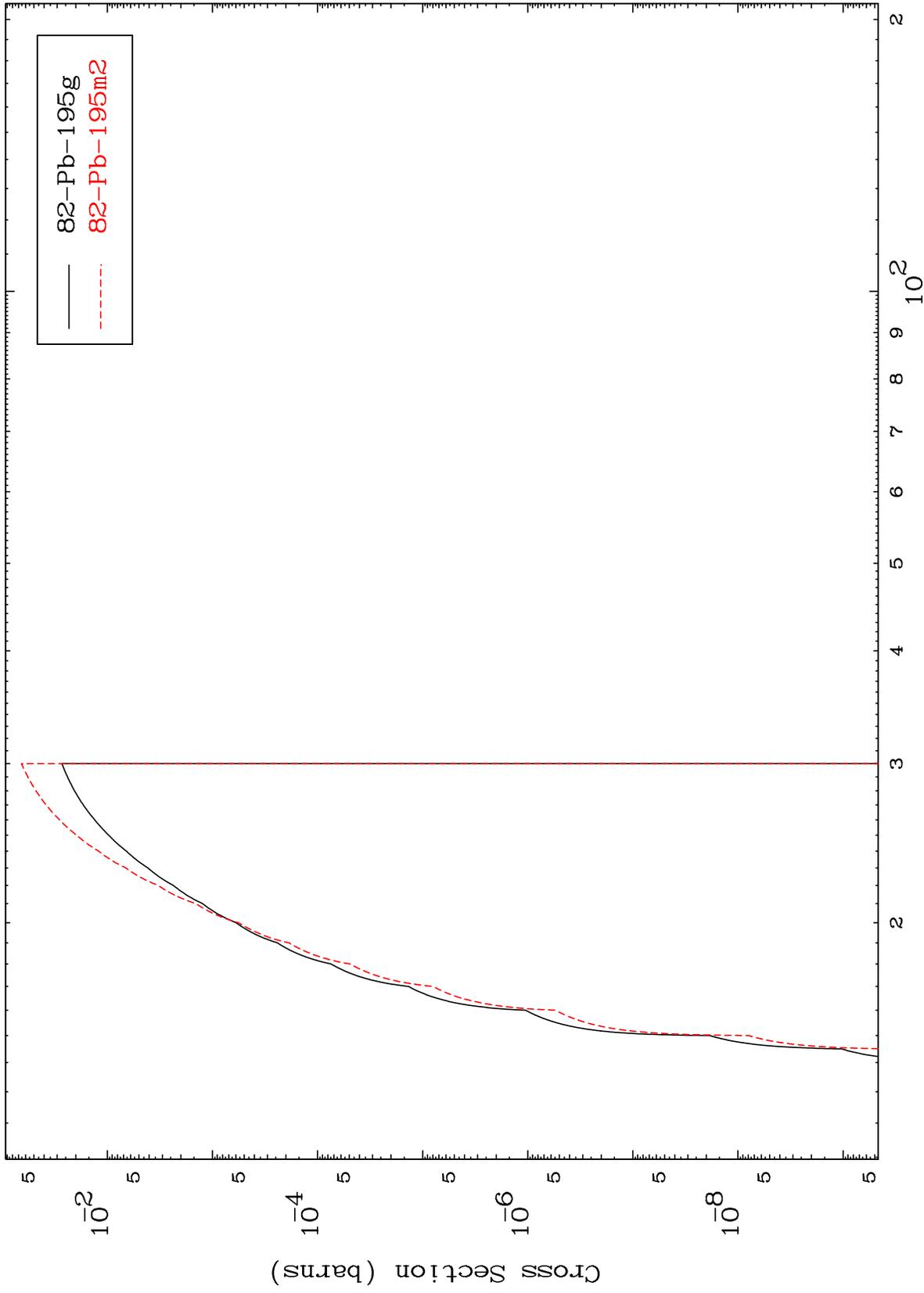
83-Bi-197

MAT 8289

(n,2n) p

83-Bi-197

Radionuclide Production Cross Section



41

Incident Energy (MeV)

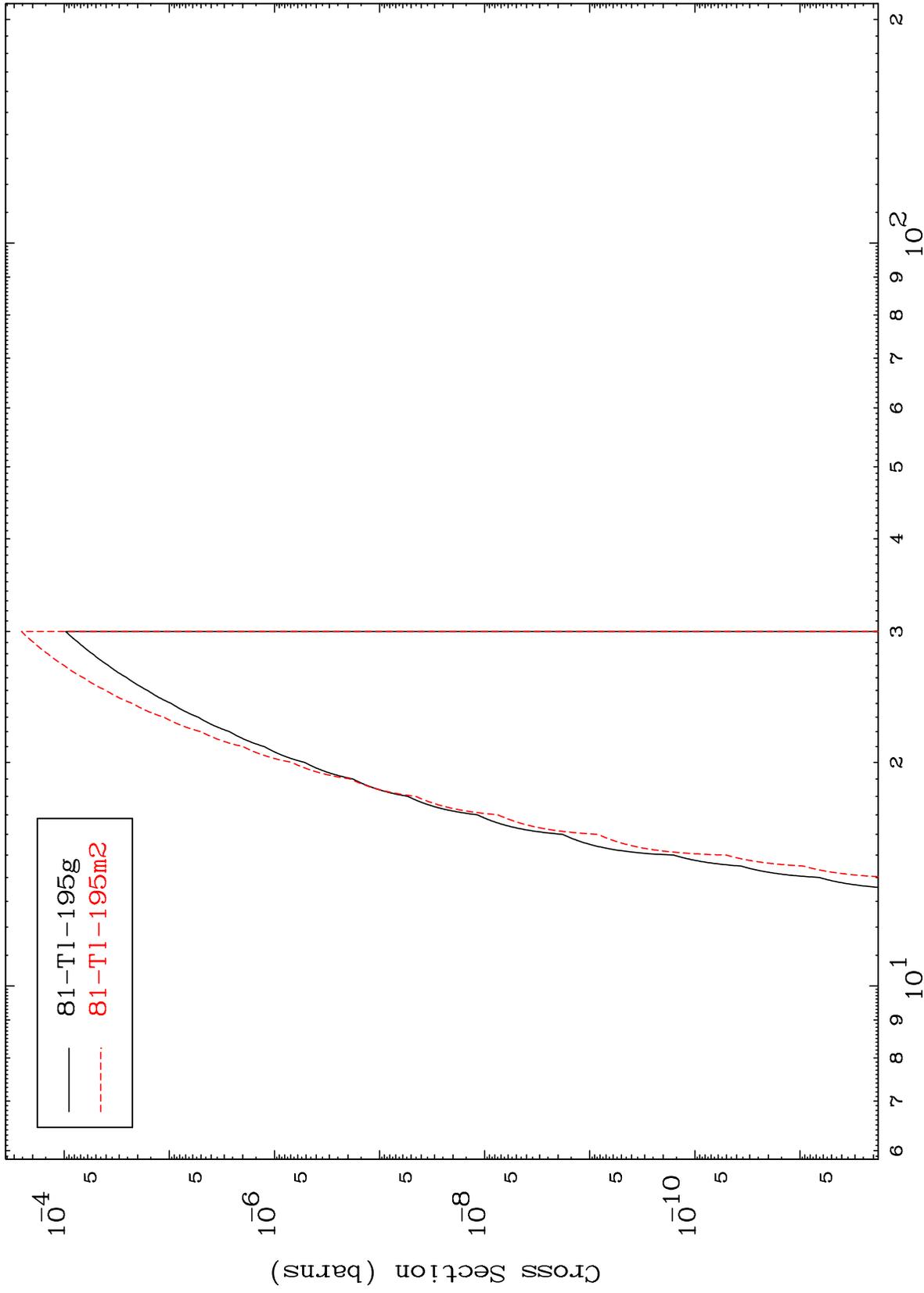
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MAT 8289

(n,2n) p

83-Bi-197

Radionuclide Production Cross Section



81-Tl-195g
81-Tl-195m2

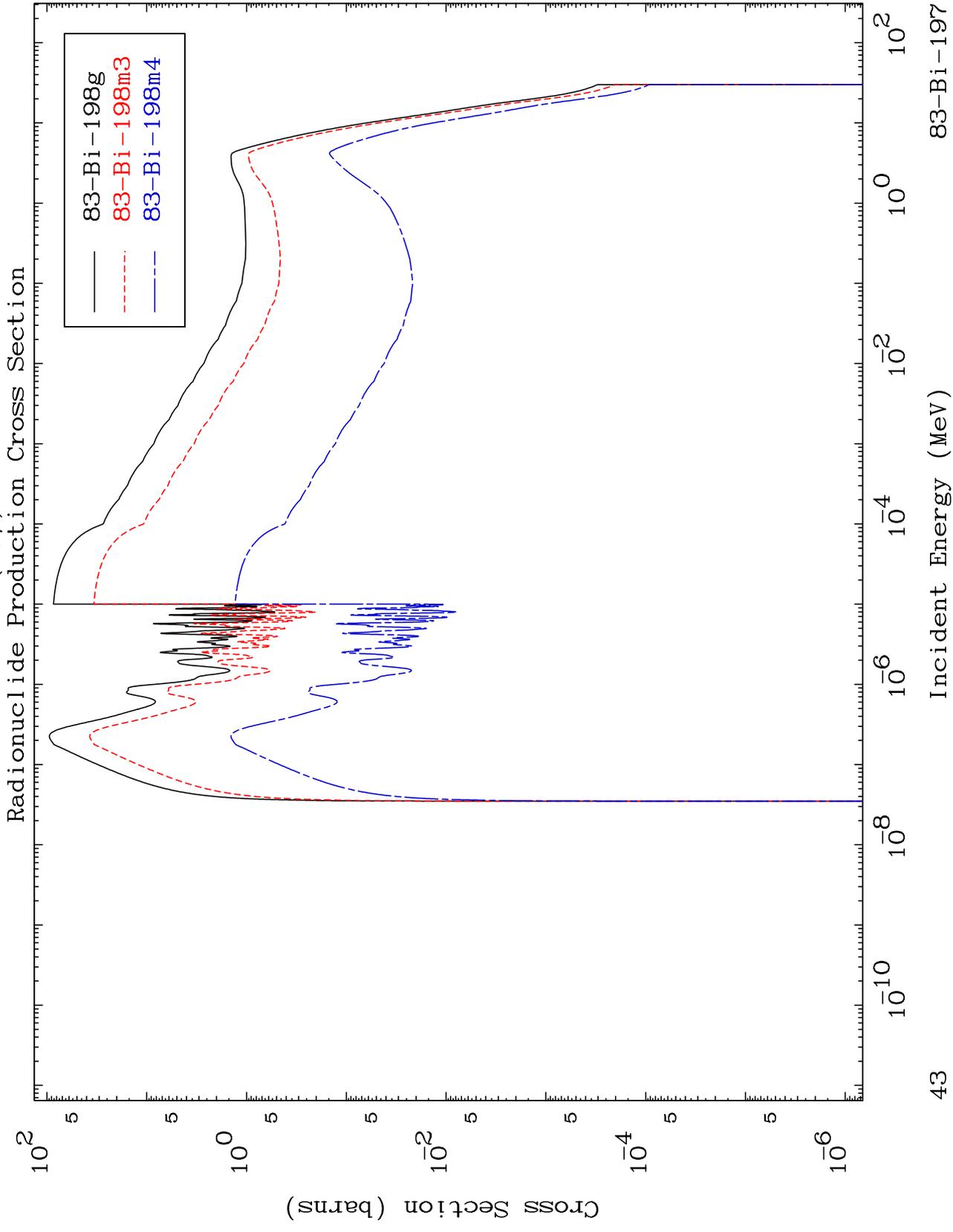
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Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

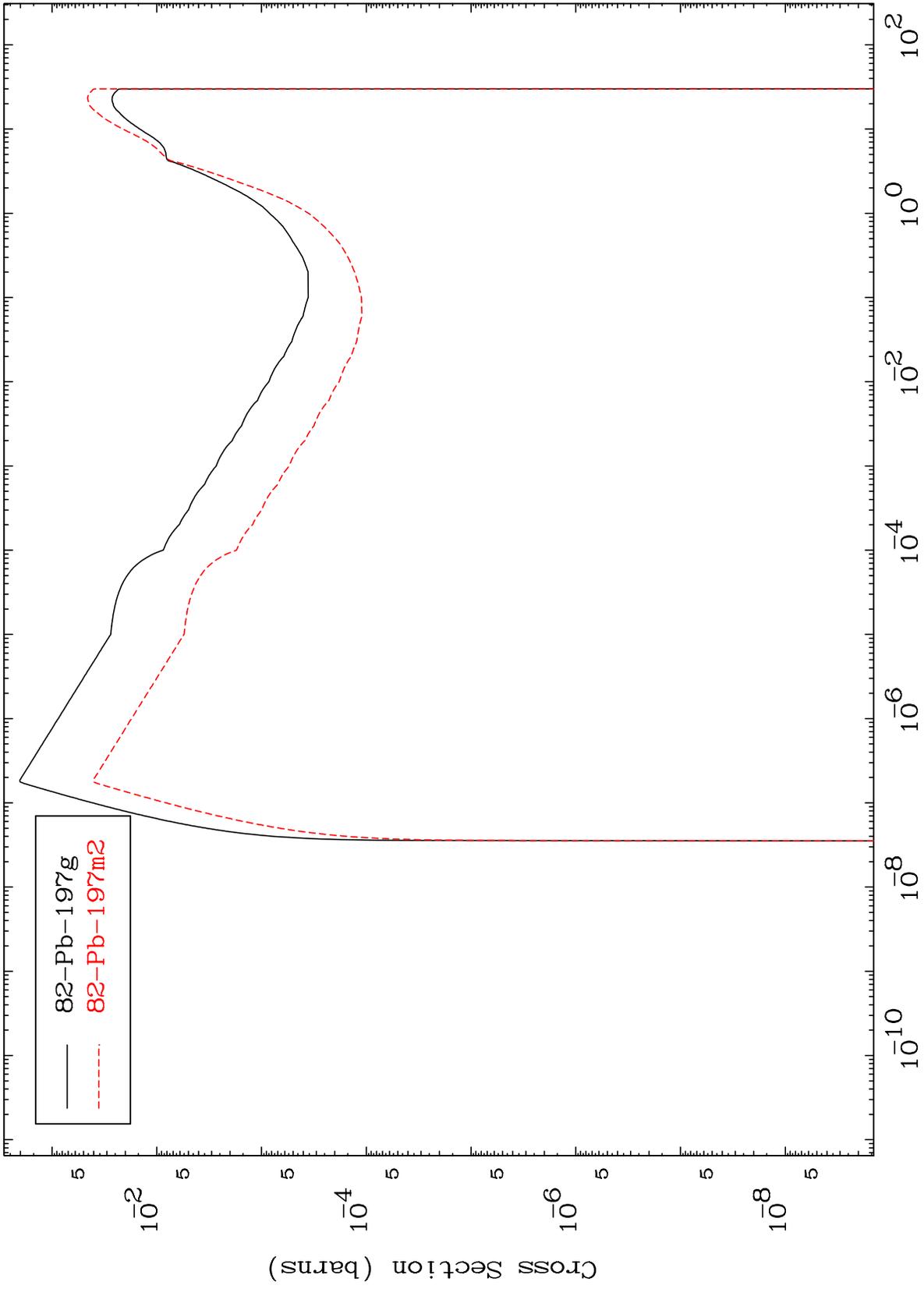


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MAT 8289

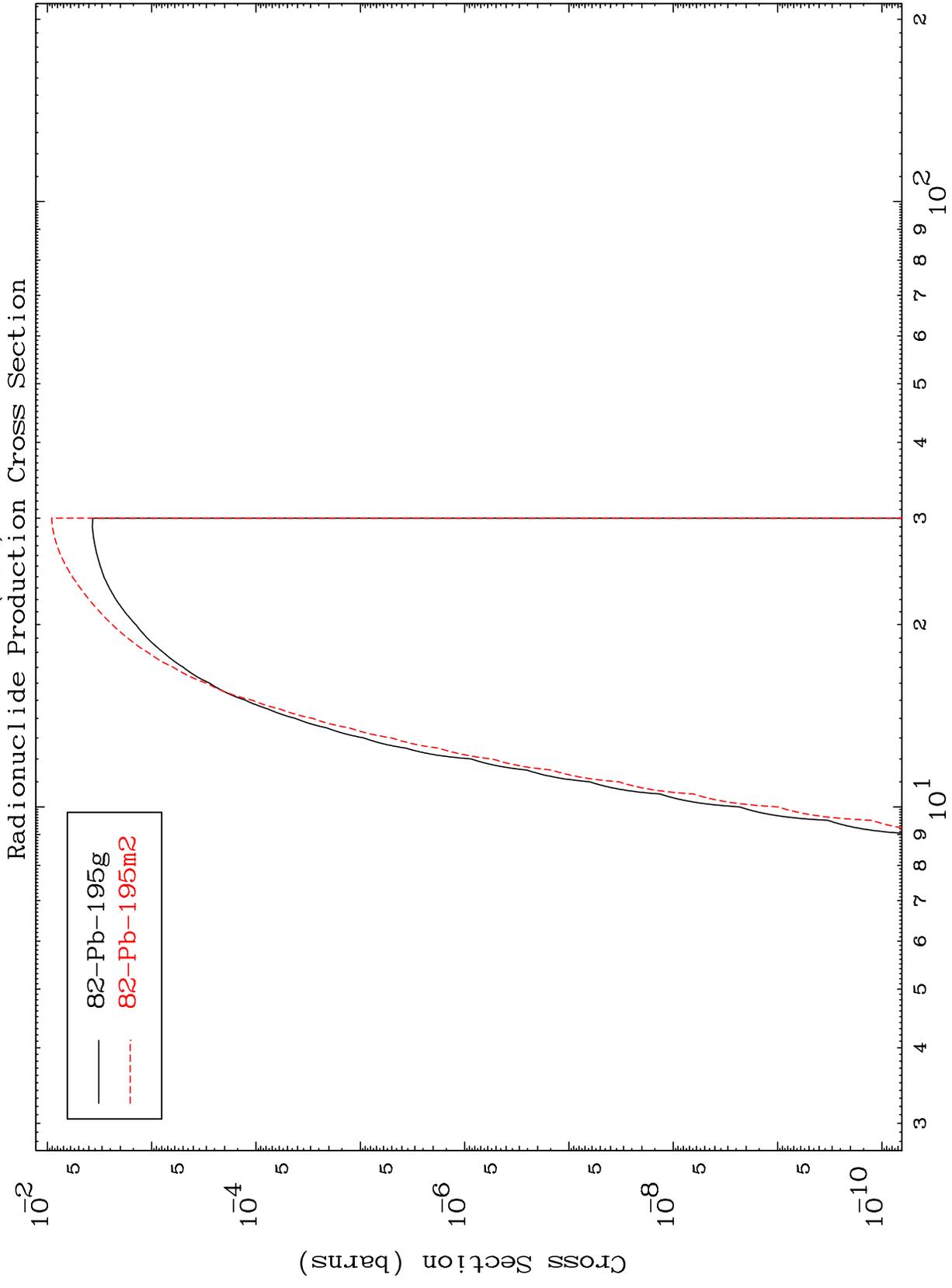
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Radionuclide Production Cross Section (n,p)



MAT 8289

83-Bi-197



45

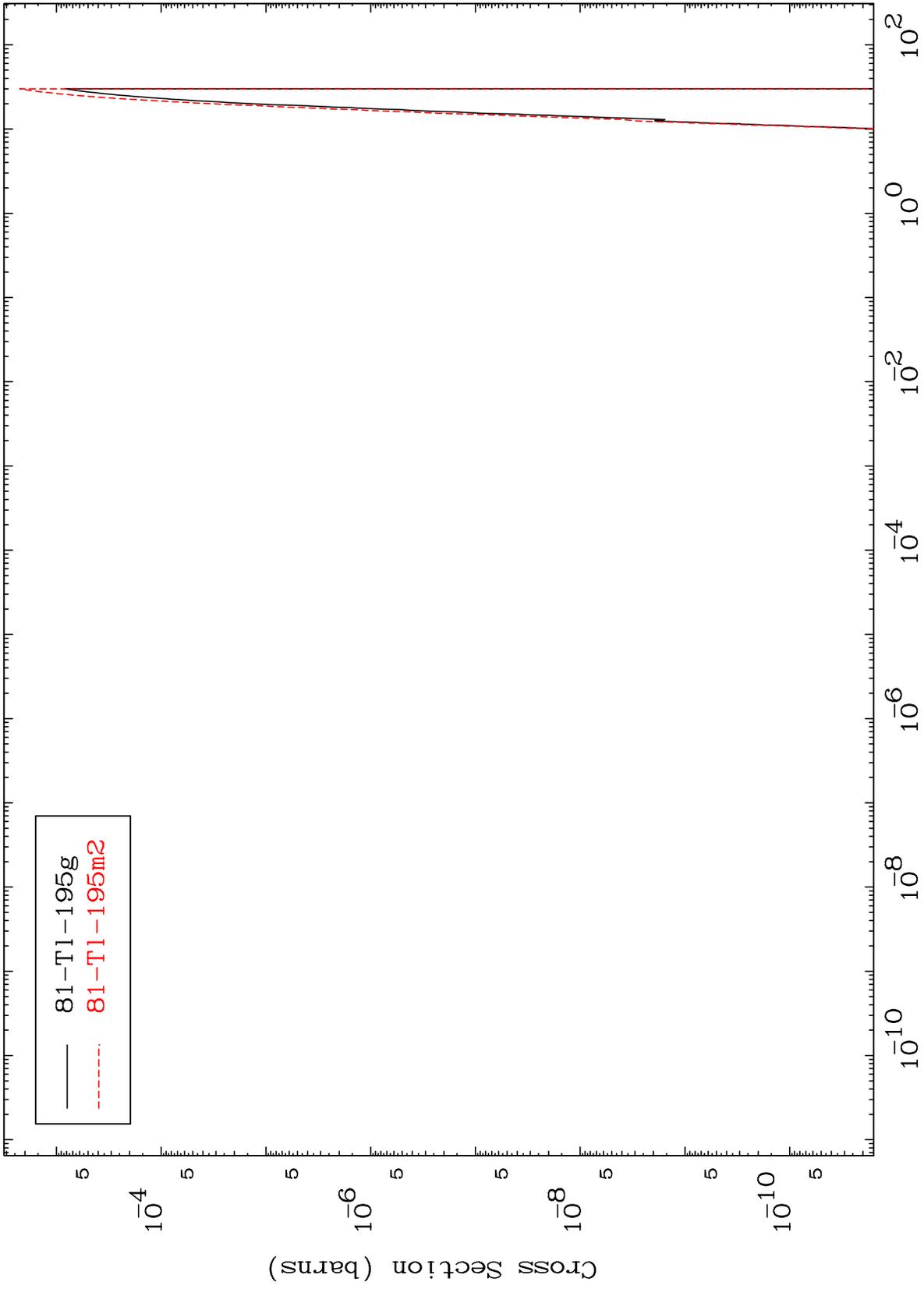
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MAT 8289

(n, He-3)

83-Bi-197

Radionuclide Production Cross Section



46

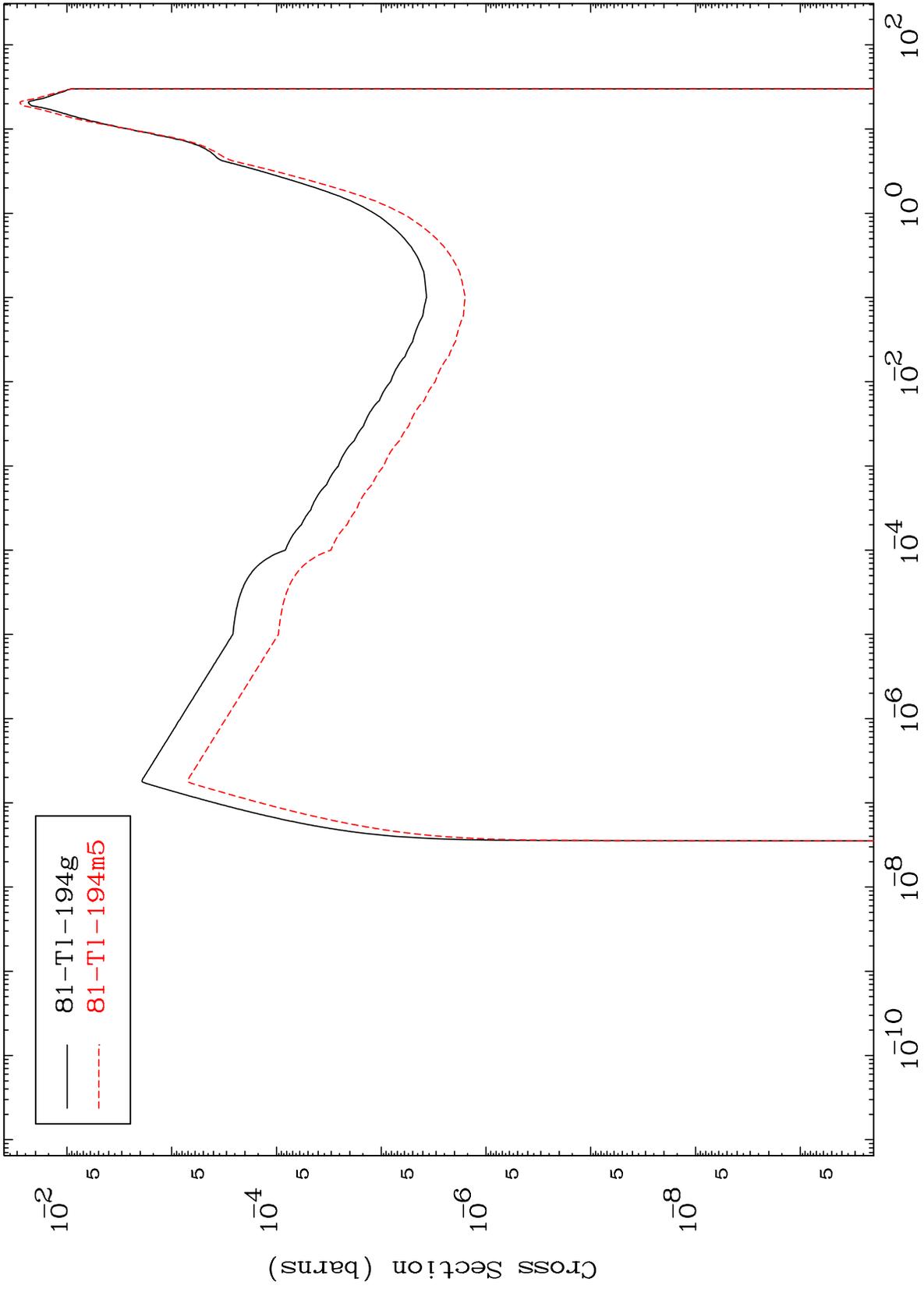
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

(n,α)
Radionuclide Production Cross Section



81-Tl-194g
81-Tl-194m5

83-Bi-197

Incident Energy (MeV)

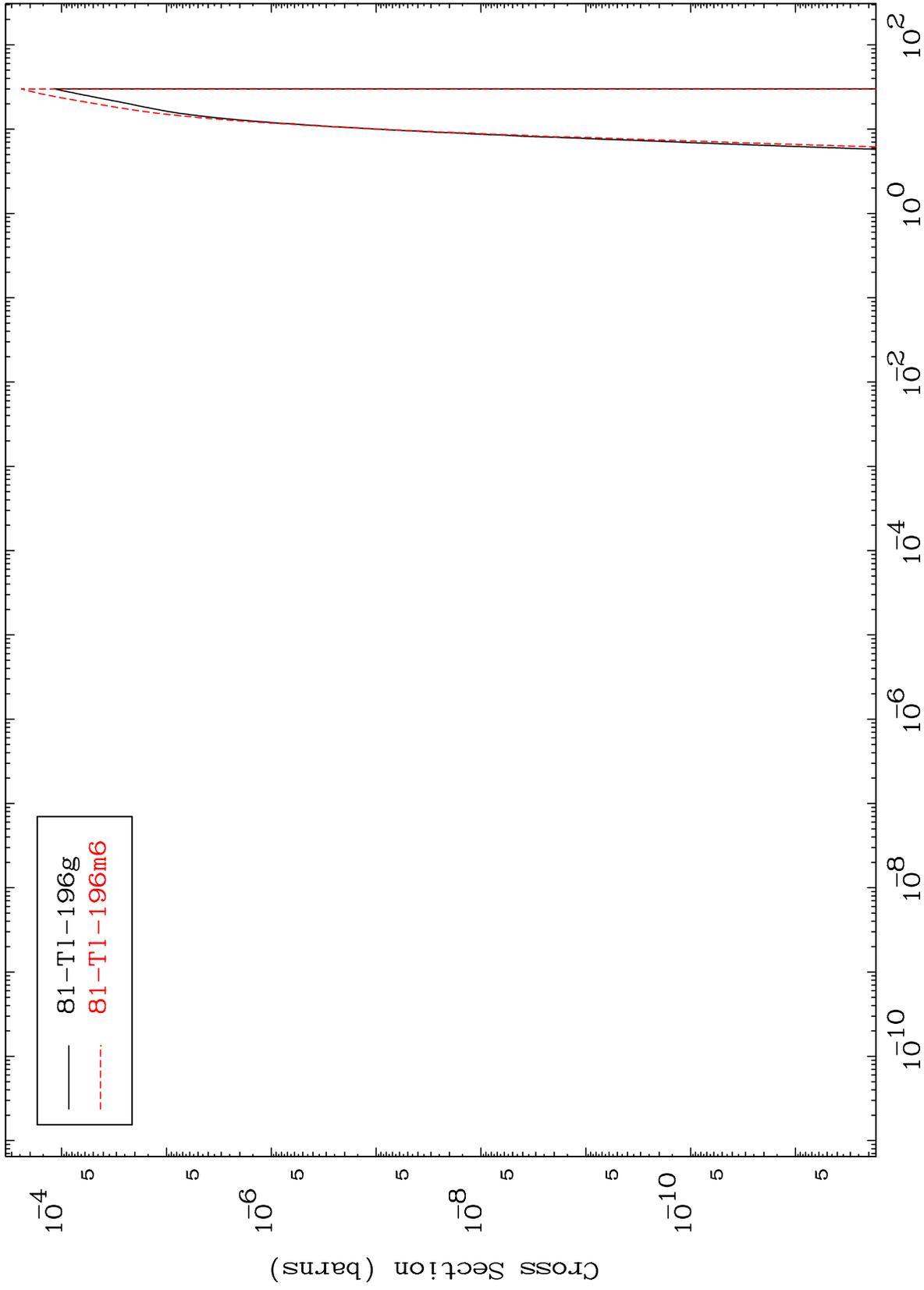
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MAT 8289

(n,2p)

83-Bi-197

Radionuclide Production Cross Section



48

Incident Energy (MeV)

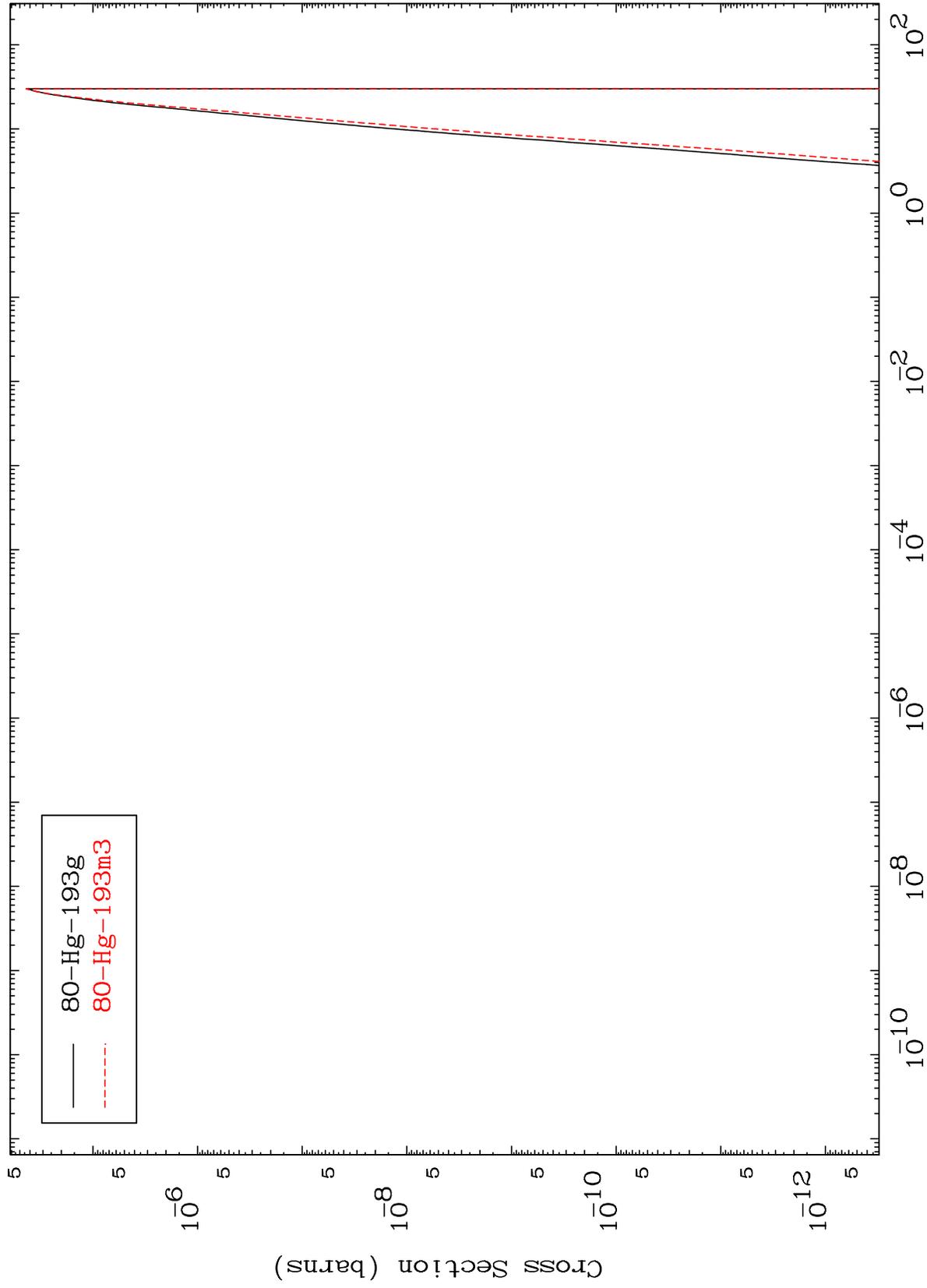
83-Bi-197

MAT 8289

(n,p) α

83-Bi-197

Radionuclide Production Cross Section



49

Incident Energy (MeV)

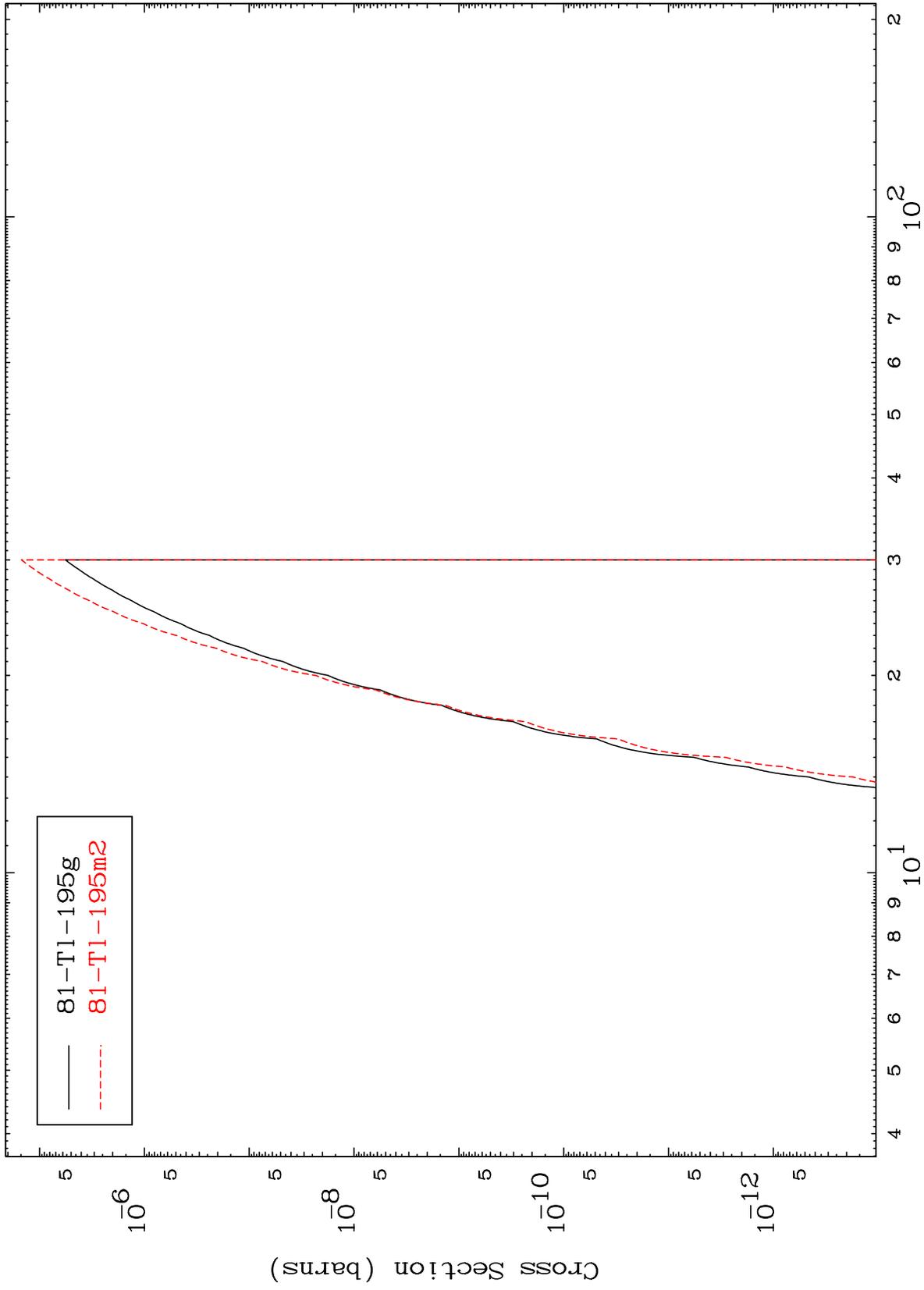
83-Bi-197

MAT 8289

(n,p) d

83-Bi-197

Radionuclide Production Cross Section



50

Incident Energy (MeV)

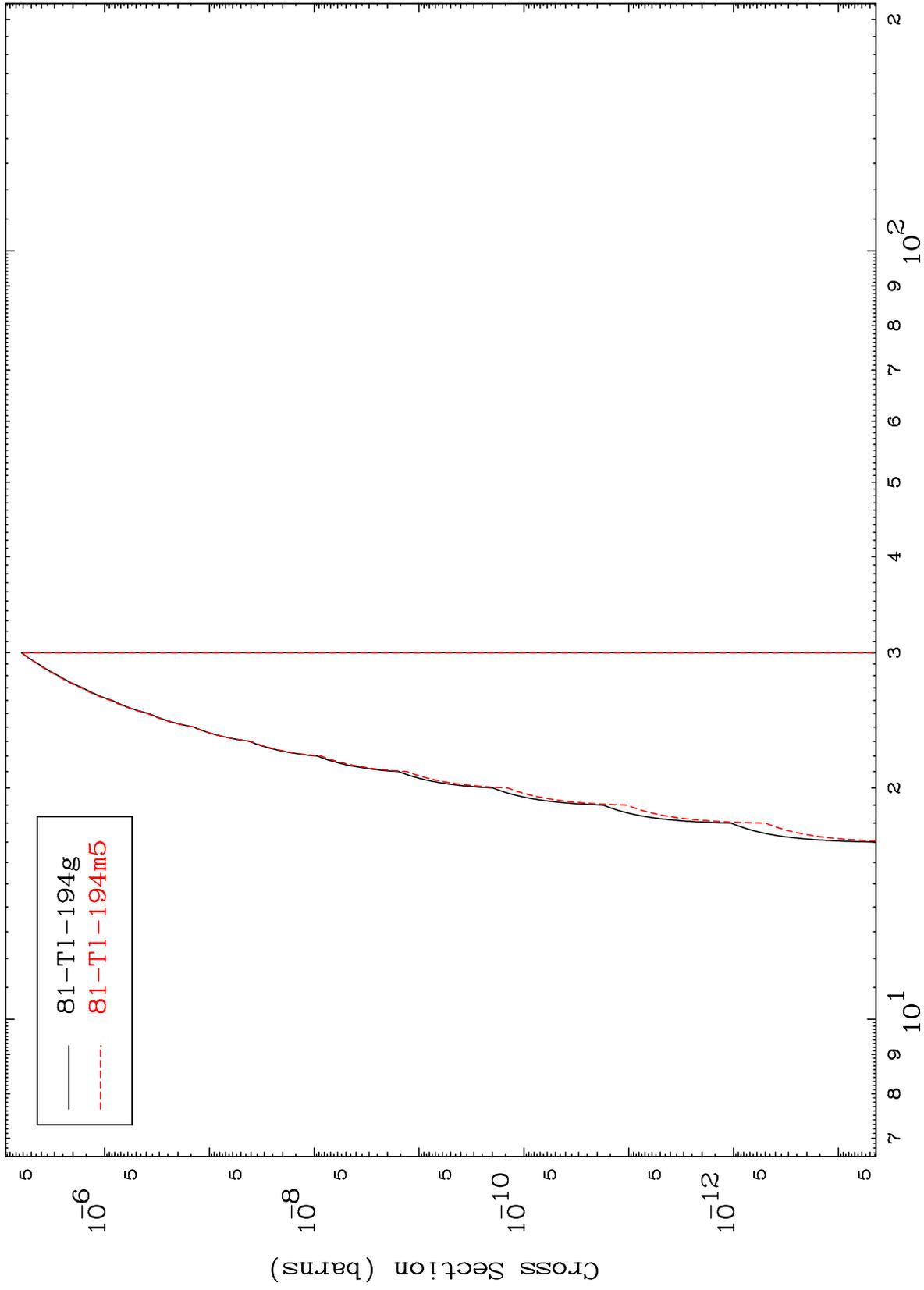
83-Bi-197

MAT 8289

(n,p) t

83-Bi-197

Radionuclide Production Cross Section



51

Incident Energy (MeV)

83-Bi-197