

Program EVALPLOT
(Version 2017-1)

by

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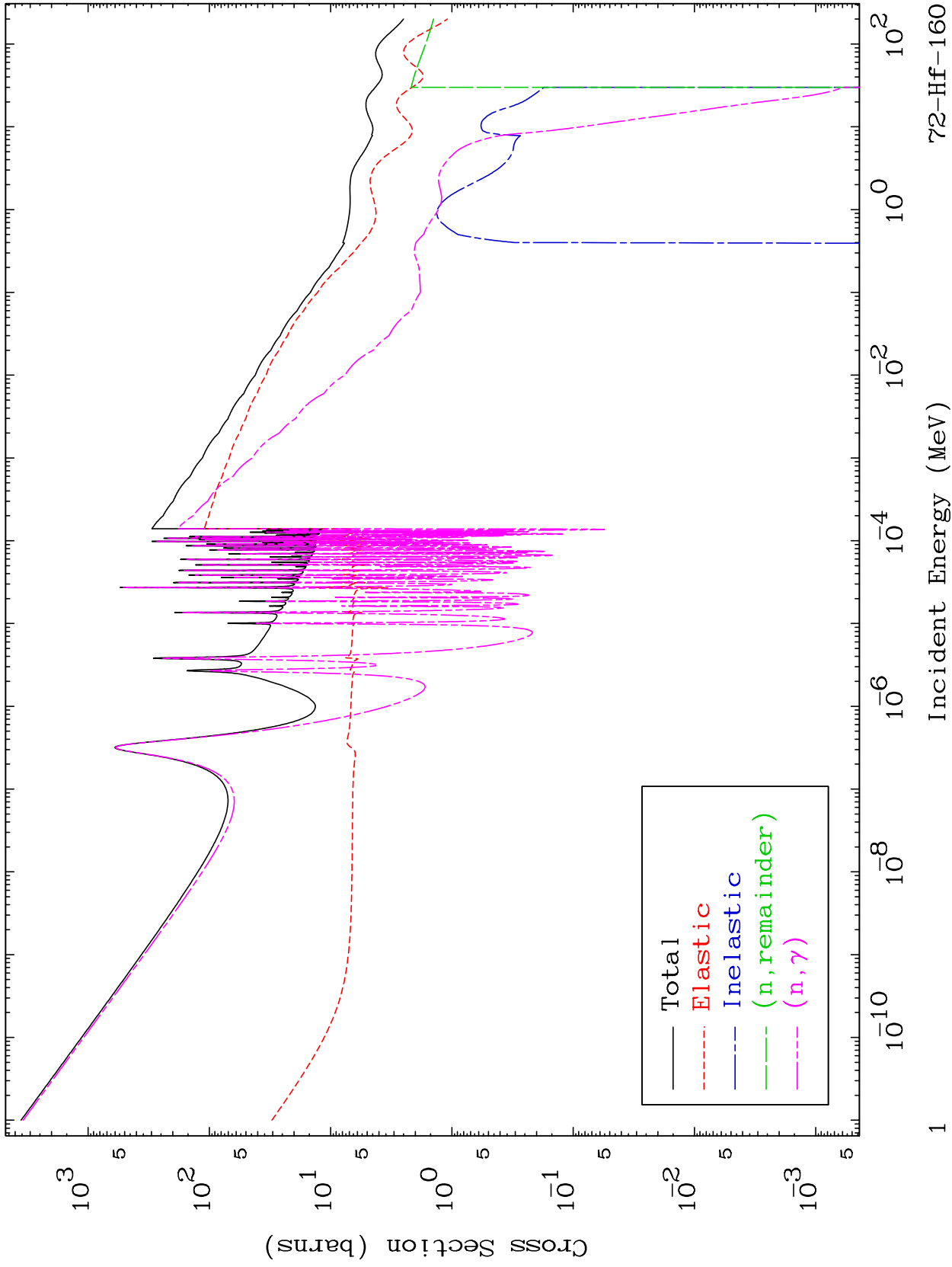
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7183

Major
293 Kelvin Cross Sections

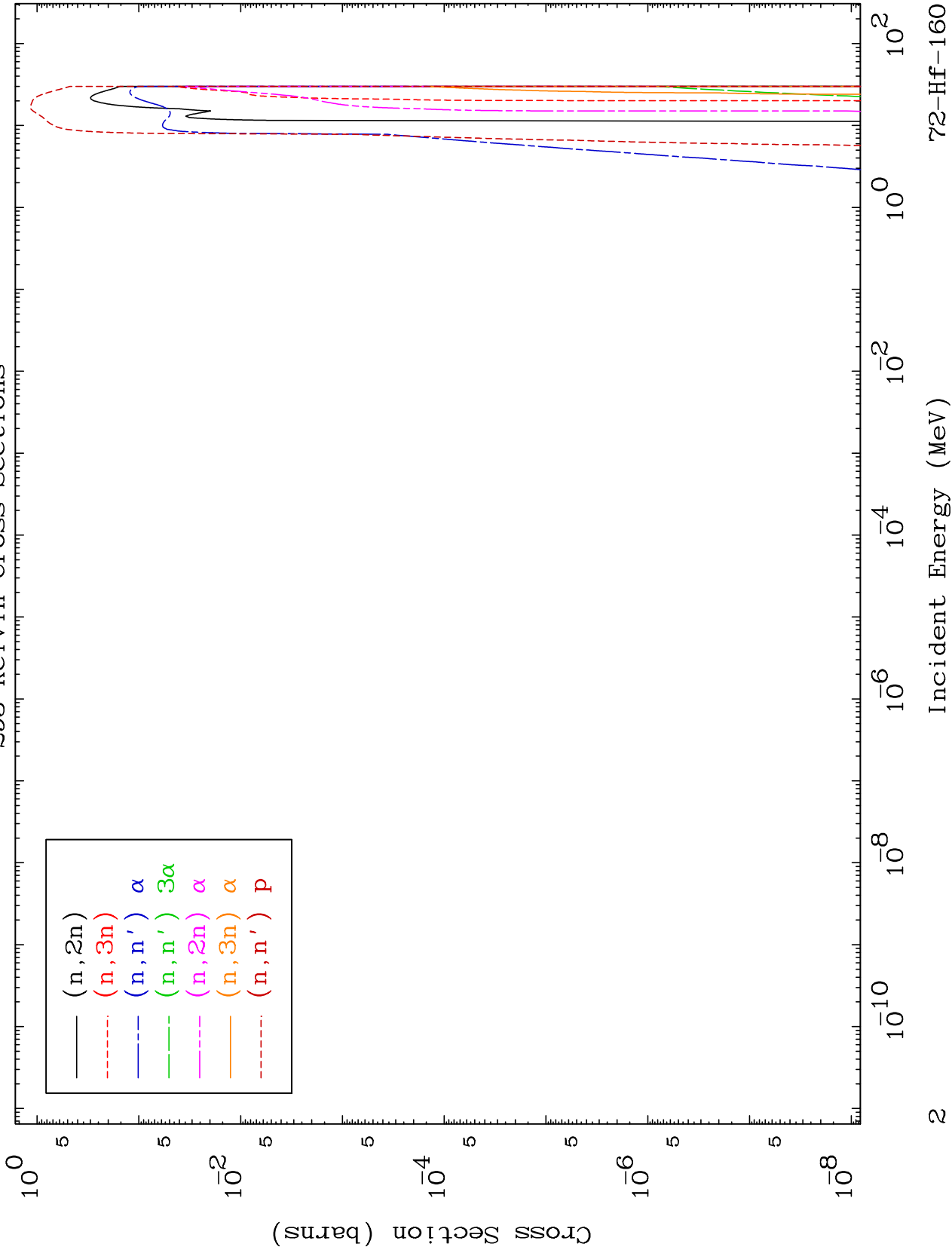
72-Hf-160



MAT 7183

Neutron Production
293 Kelvin Cross Sections

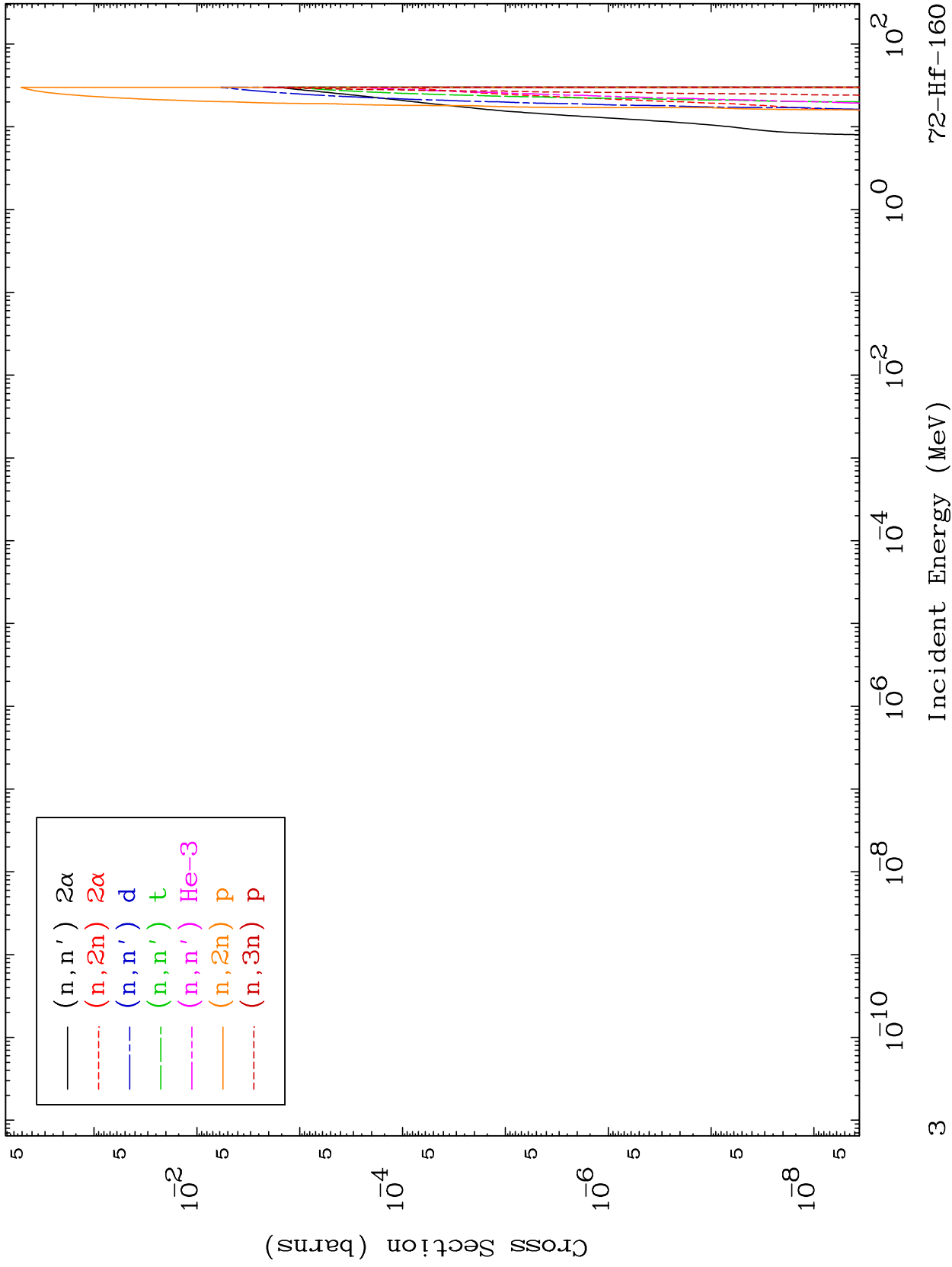
72-Hf-160



MAT 7183

Neutron Production
293 Kelvin Cross Sections

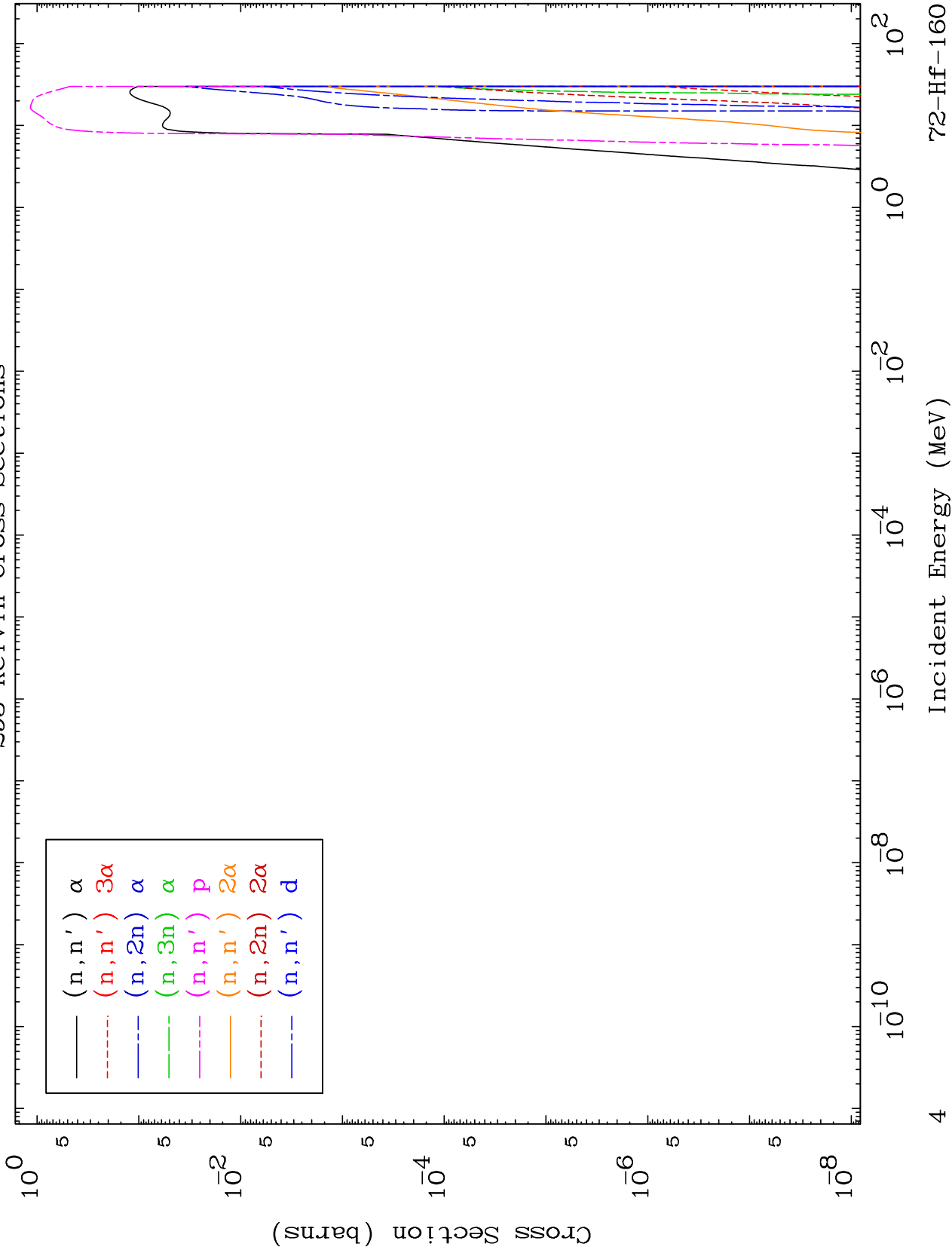
72-Hf-160



MAT 7183

Charged Particle
293 Kelvin Cross Sections

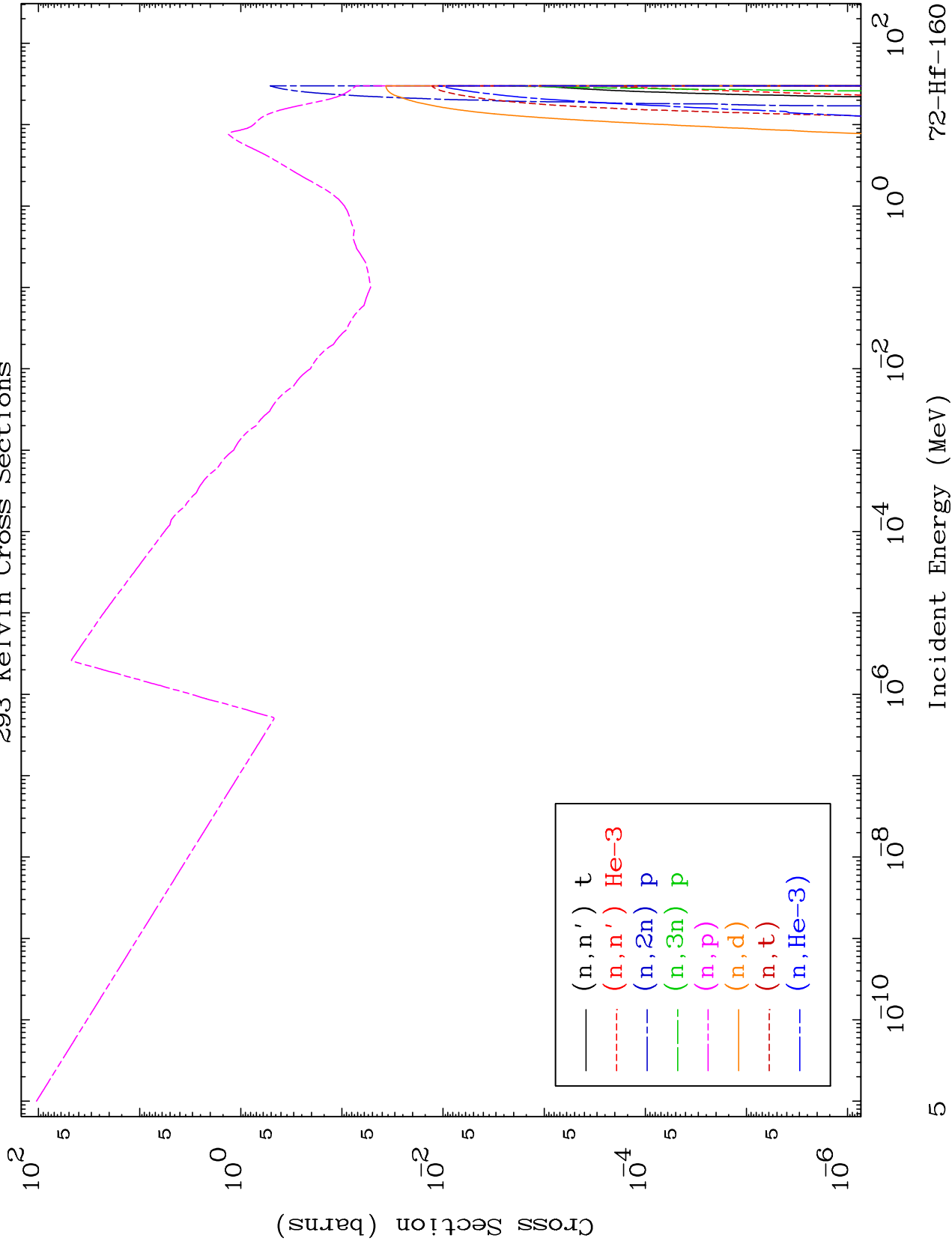
72-Hf-160



MAT 7183

Charged Particle
293 Kelvin Cross Sections

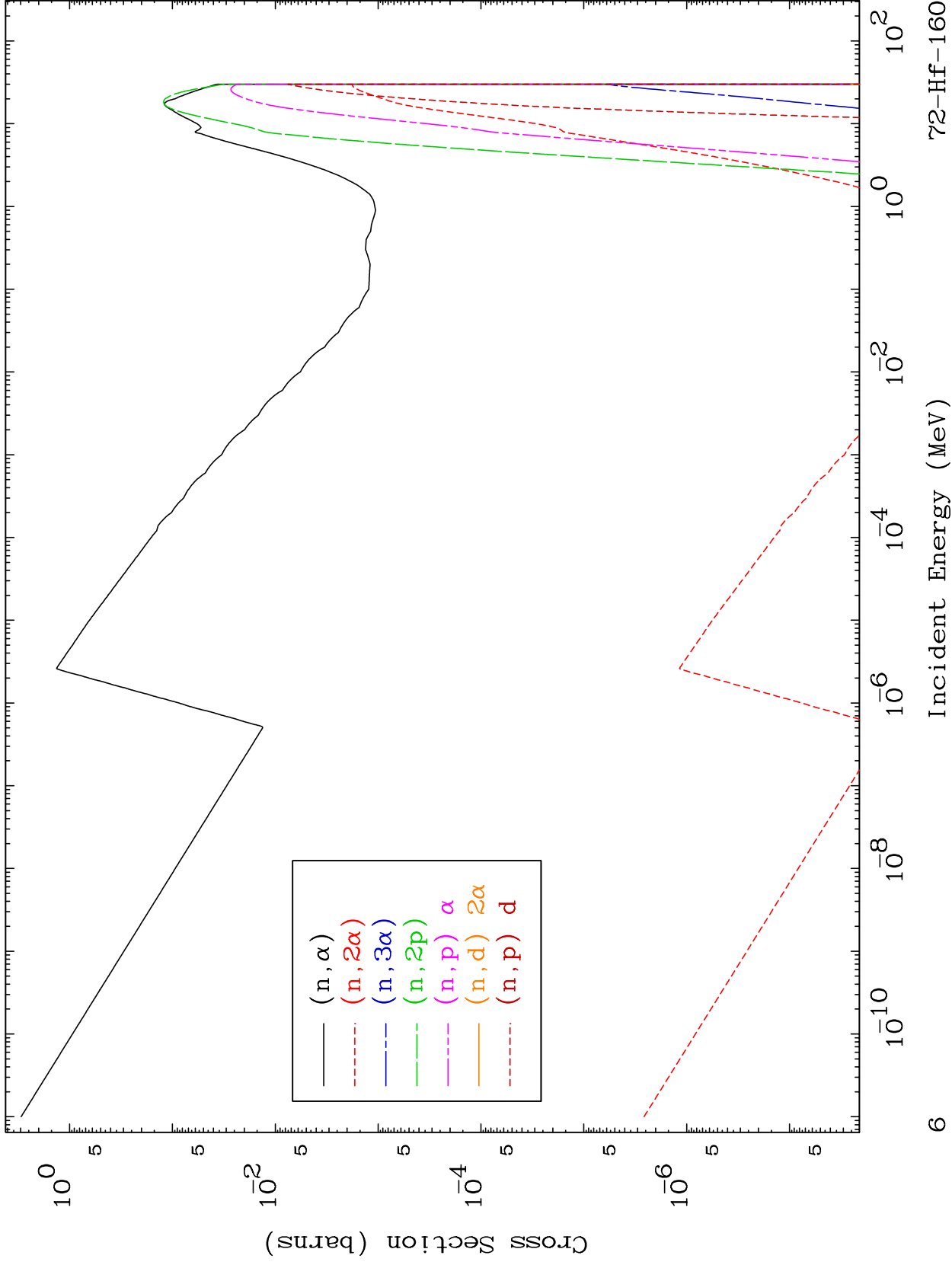
72-Hf-160



MAT 7183

Charged Particle
293 Kelvin Cross Sections

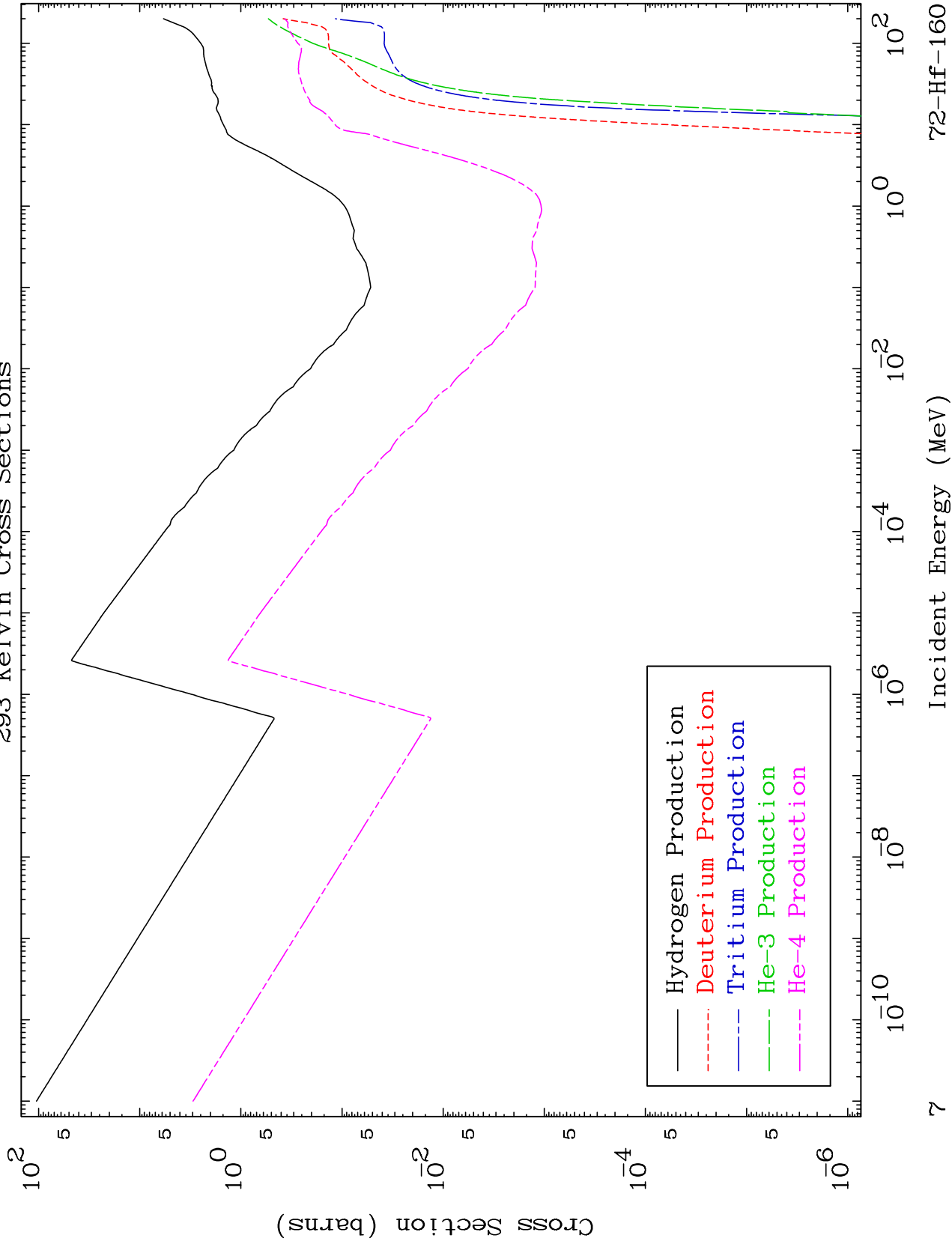
72-Hf-160



MAT 7183

Particle Production
293 Kelvin Cross Sections

72-Hf-160

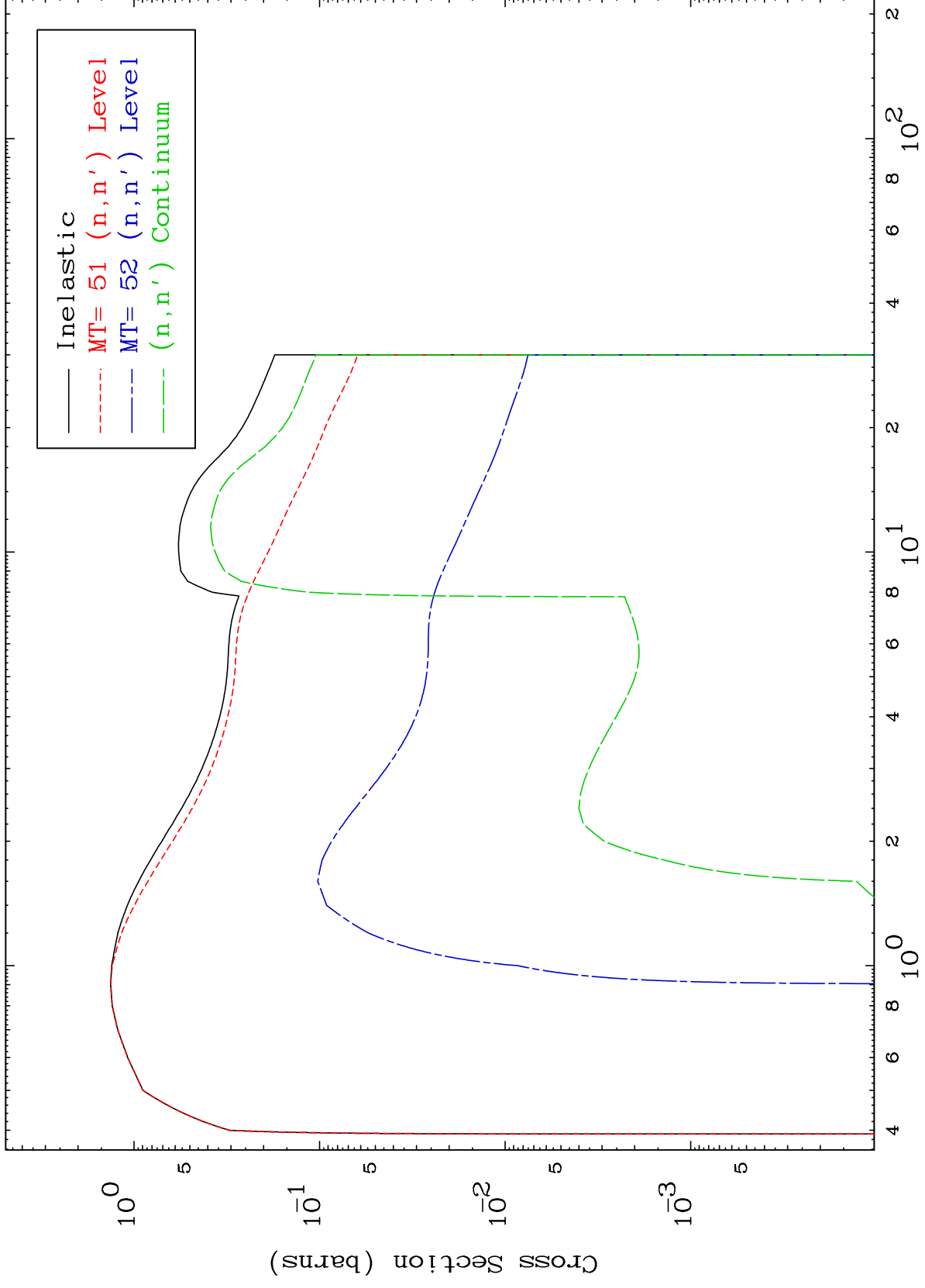


MAT 7183

(n,n') Level

72-Hf-160

293 Kelvin Cross Sections



8

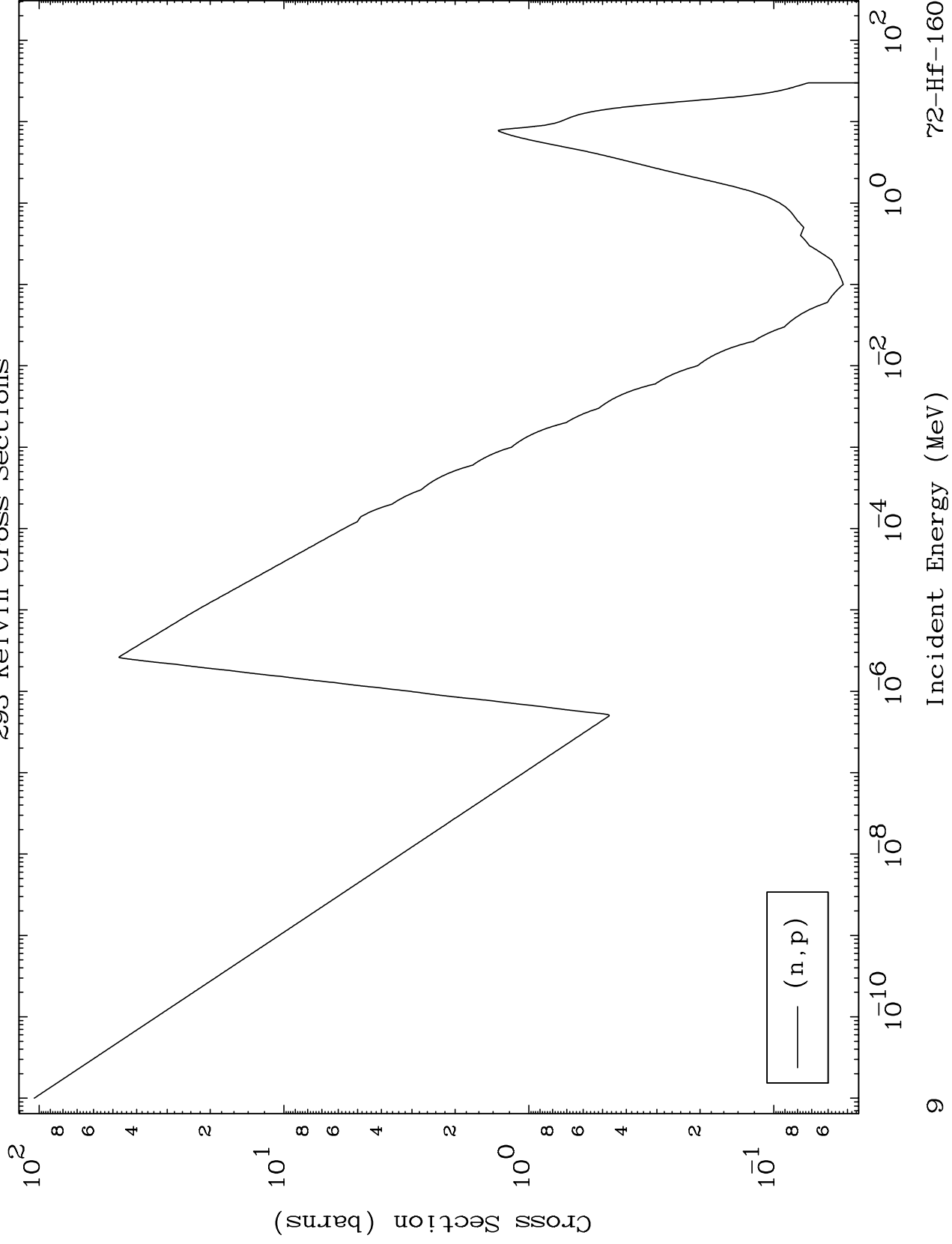
Incident Energy (MeV)

72-Hf-160

MAT 7183

(n,p) Levels
293 Kelvin Cross Sections

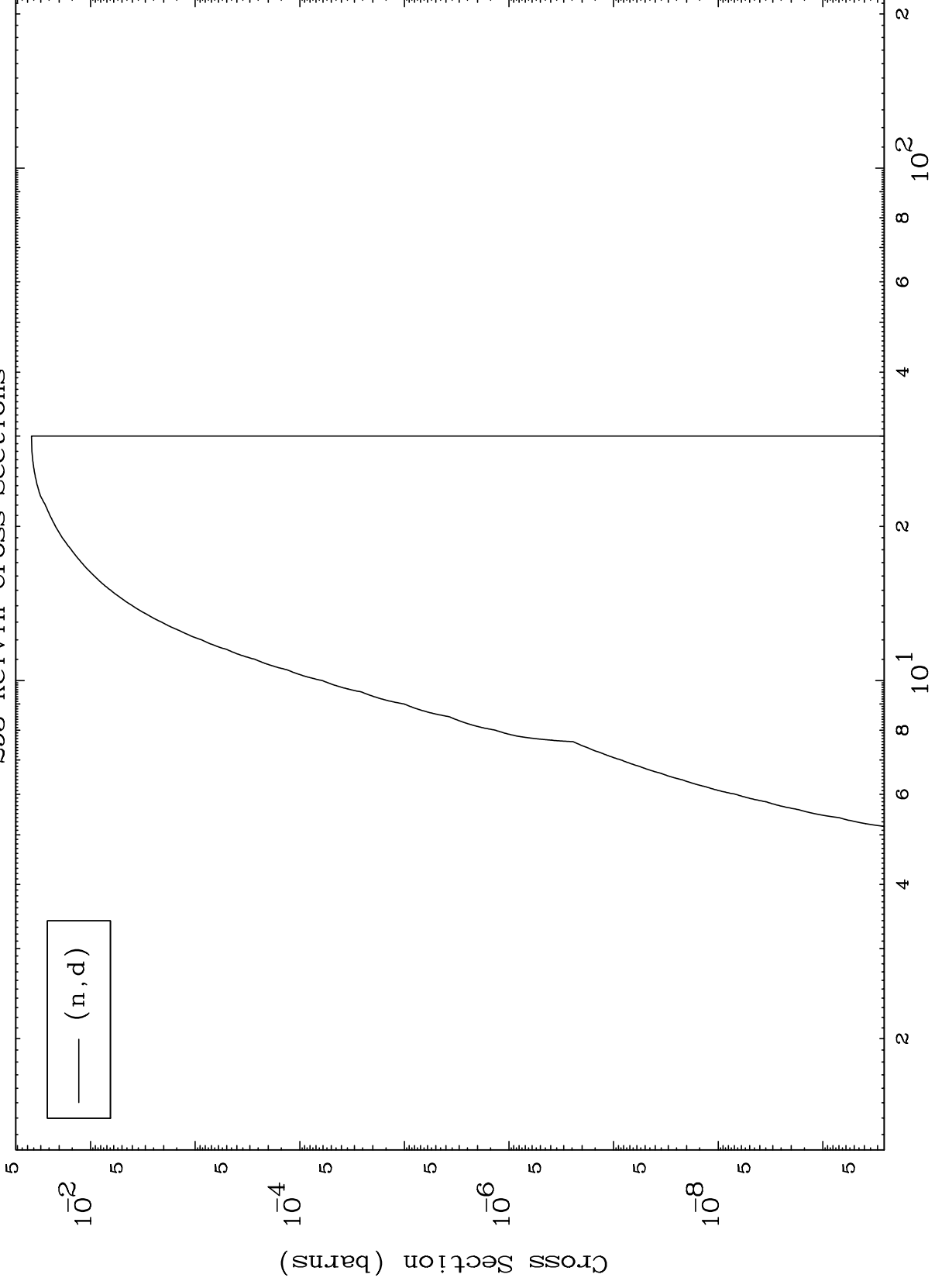
72-Hf-160



MAT 7183

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-160



10

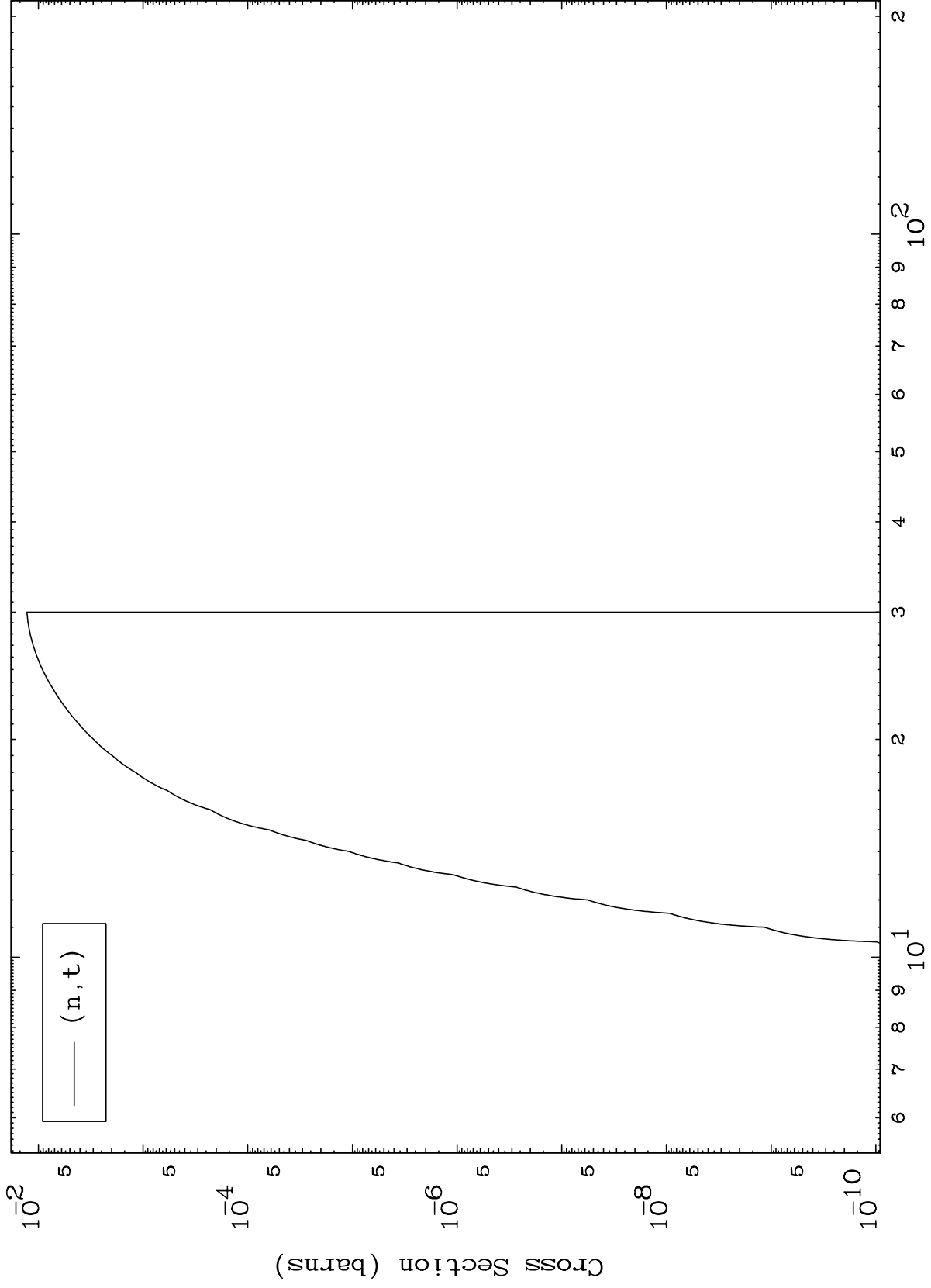
Incident Energy (MeV)

72-Hf-160

MAT 7183

(n,t) Levels
293 Kelvin Cross Sections

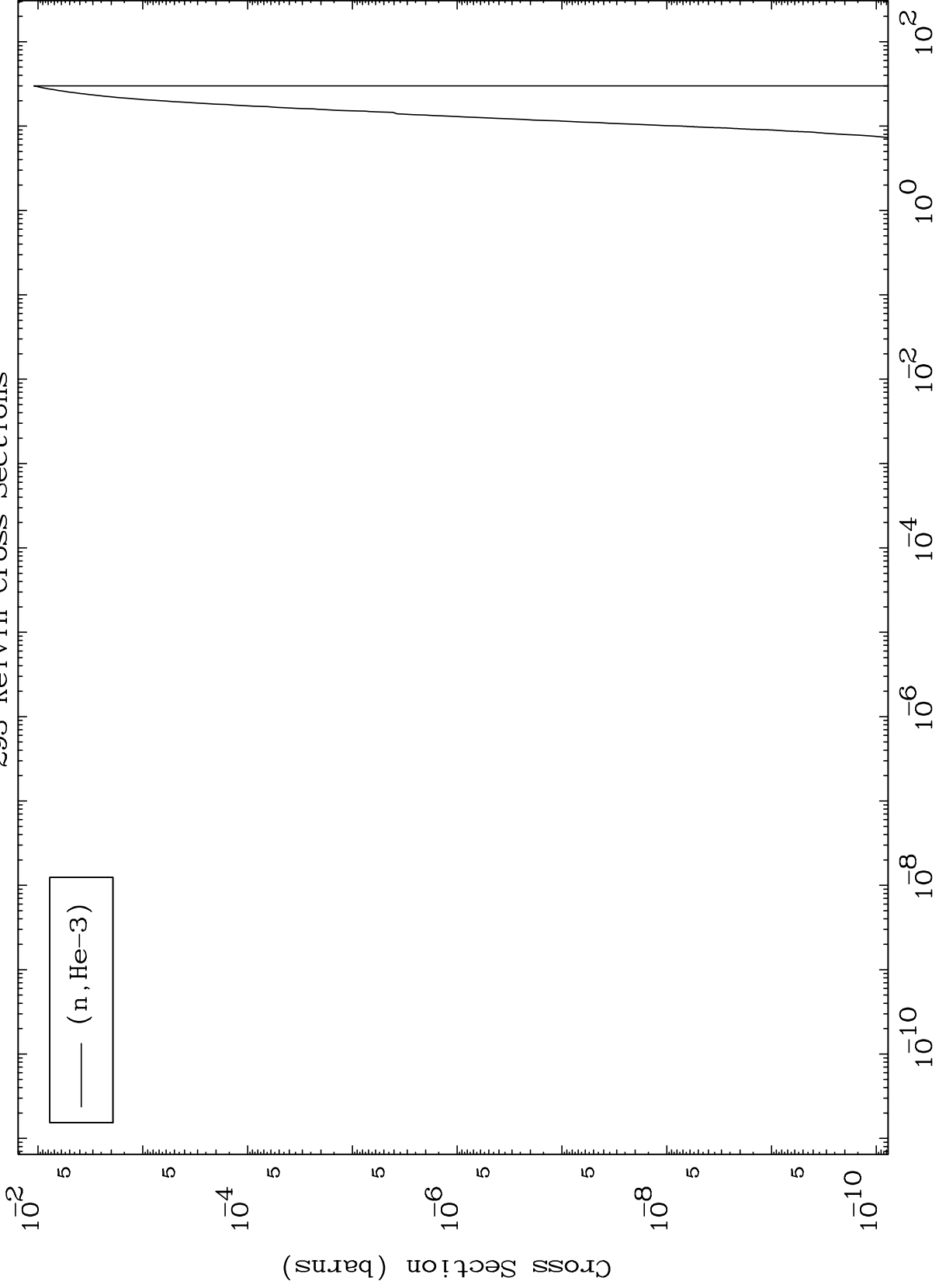
72-Hf-160



MAT 7183

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-160

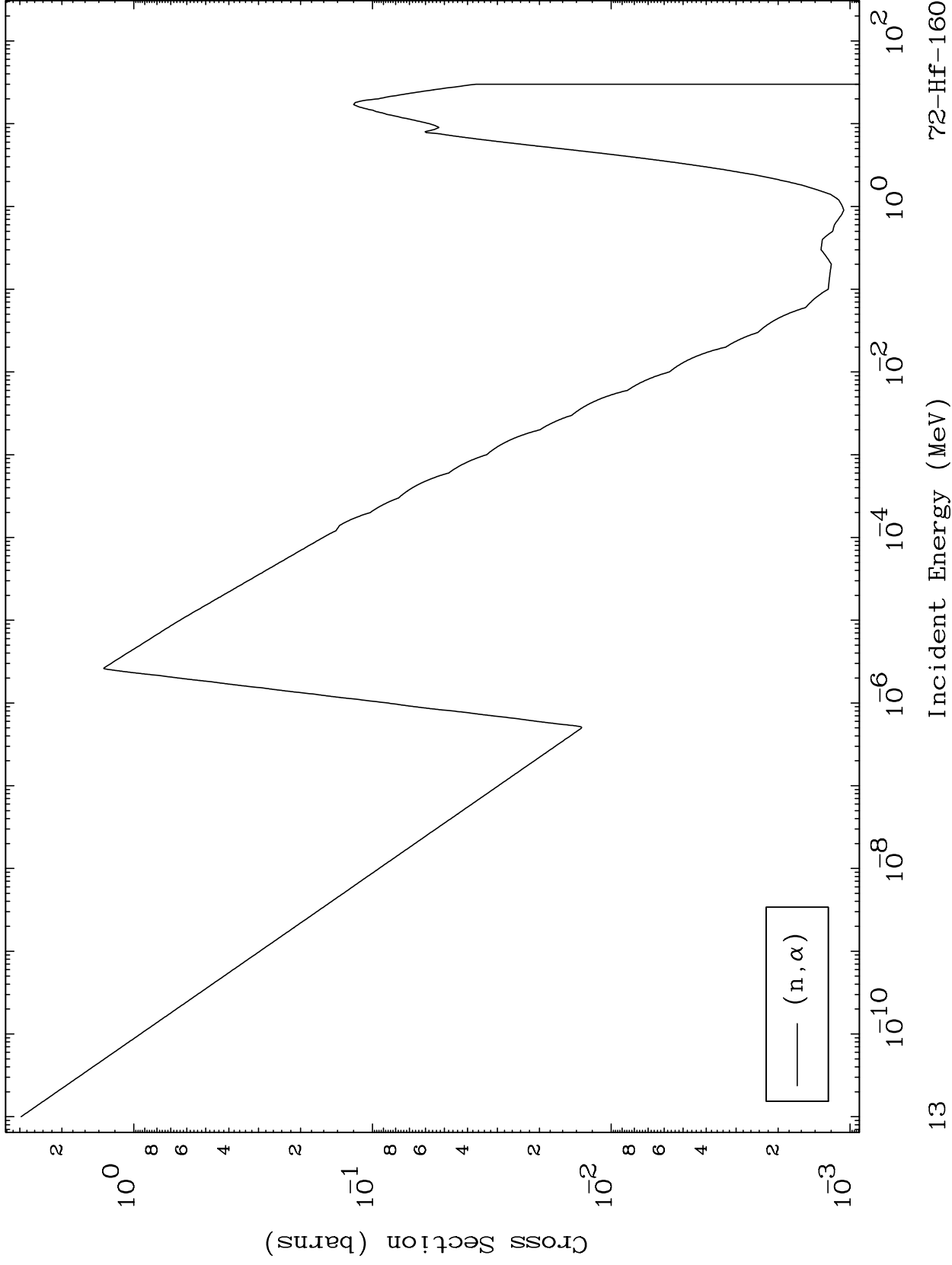


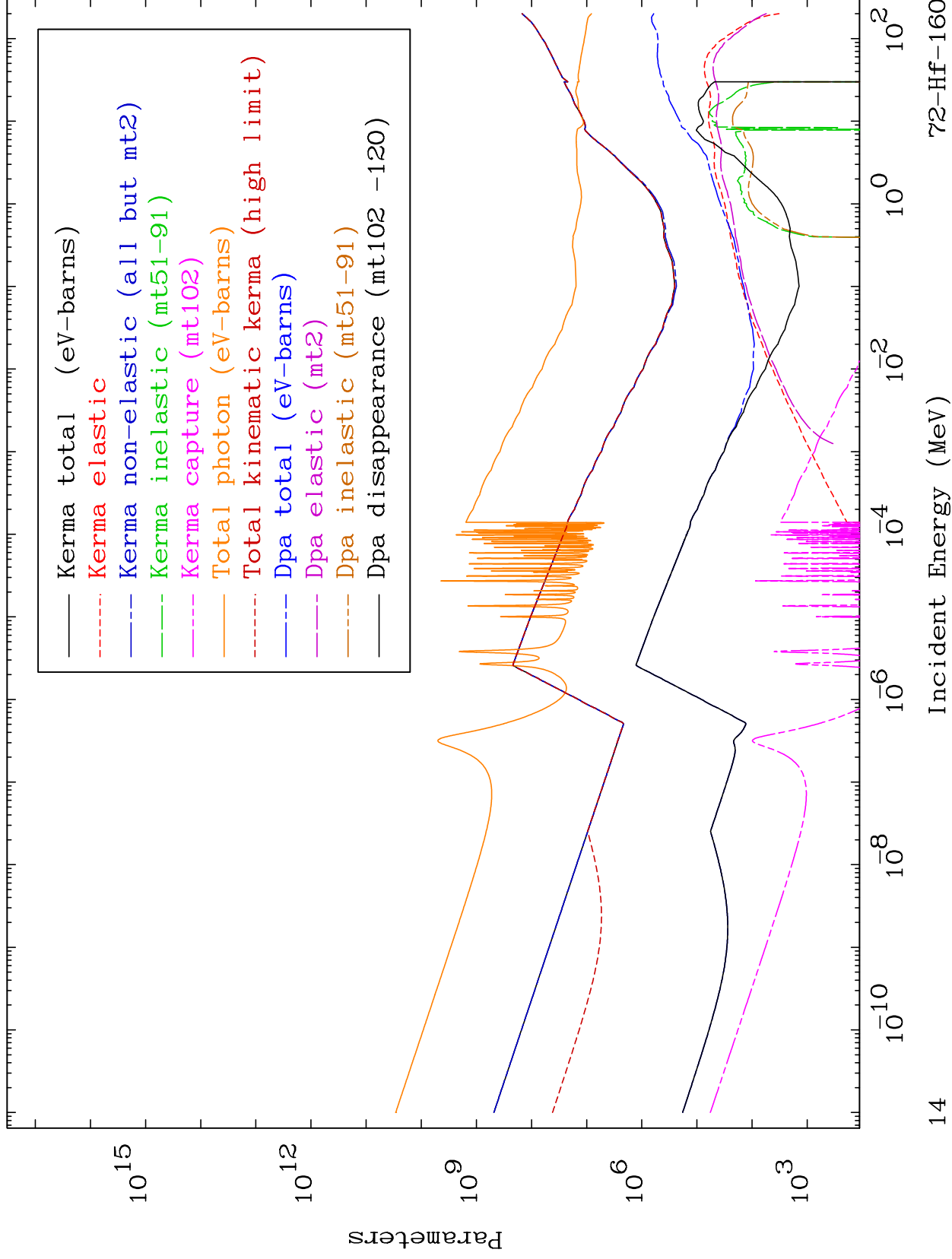
(n, He-3)

MAT 7183

(n, α) Levels
293 Kelvin Cross Sections

72-Hf-160

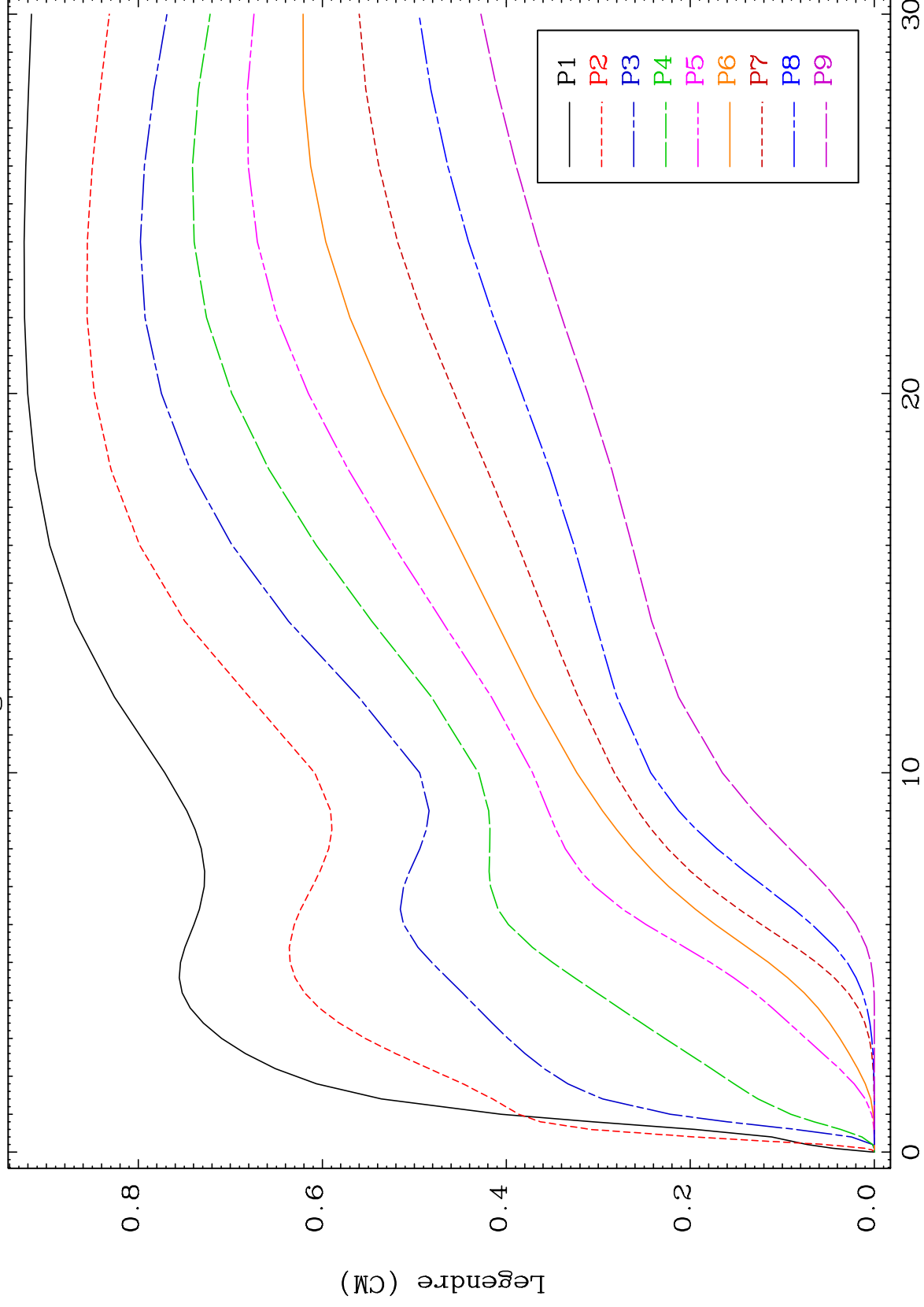




MAT 7183

Elastic Legendre Coefficients

72-Hf-160



15

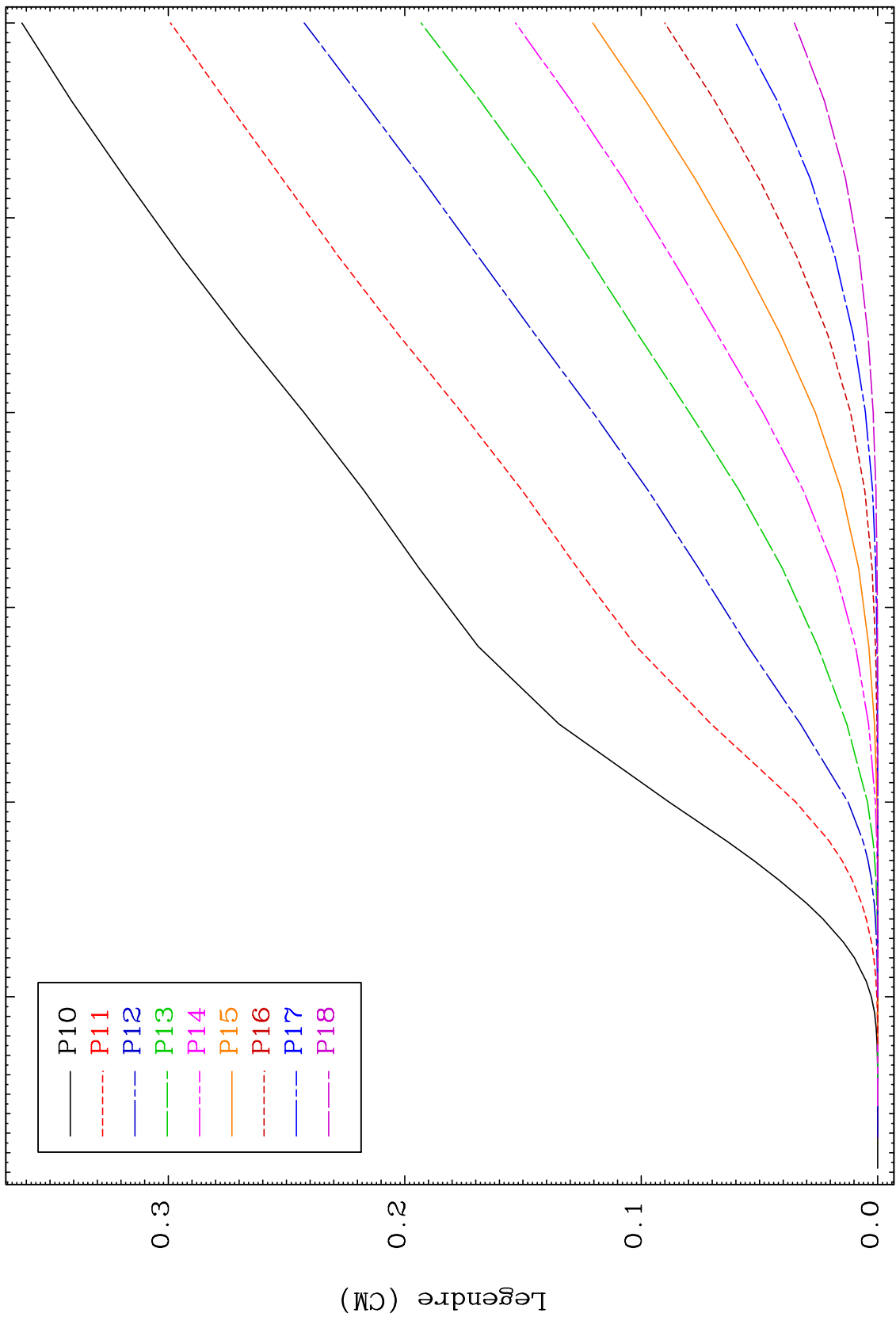
Incident Energy (MeV)

72-Hf-160

MAT 7183

Elastic Legendre Coefficients

72-Hf-160



16

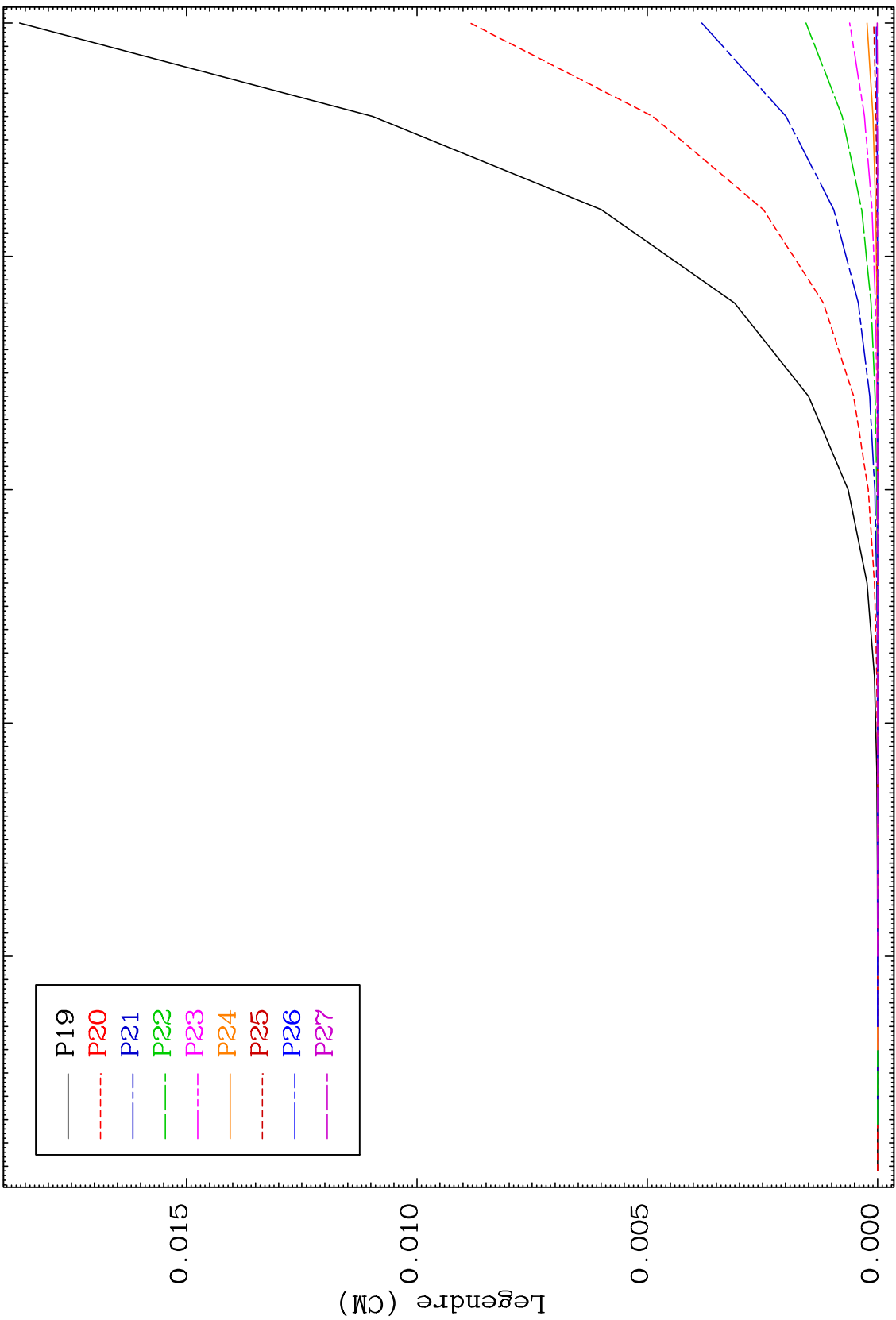
Incident Energy (MeV)

72-Hf-160

MAT 7183

Elastic Legendre Coefficients

72-Hf-160



17

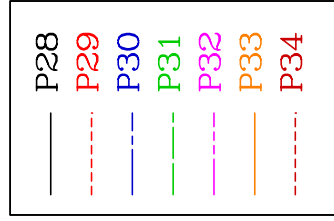
Incident Energy (MeV)

72-Hf-160

MAT 7183

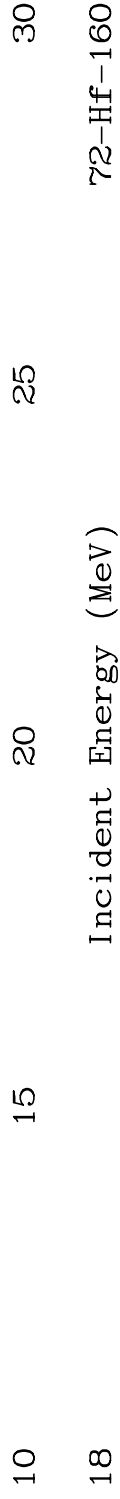
Elastic Legendre Coefficients

72-Hf-160



$\times 10^{-6}$
3
2
1
0

Legendre (CM)



72-Hf-160

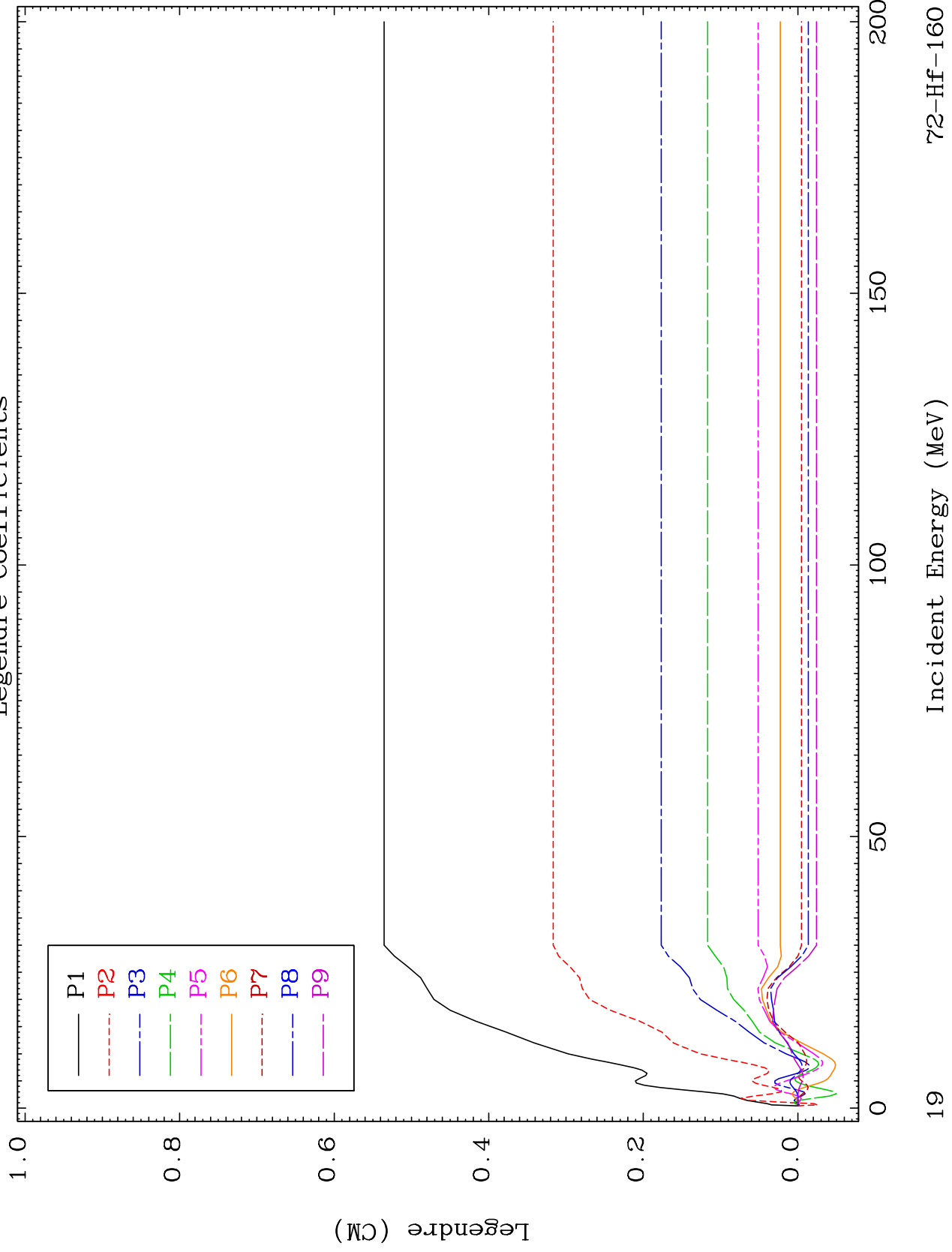
Incident Energy (MeV)

18
20
25
30

MAT 7183

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

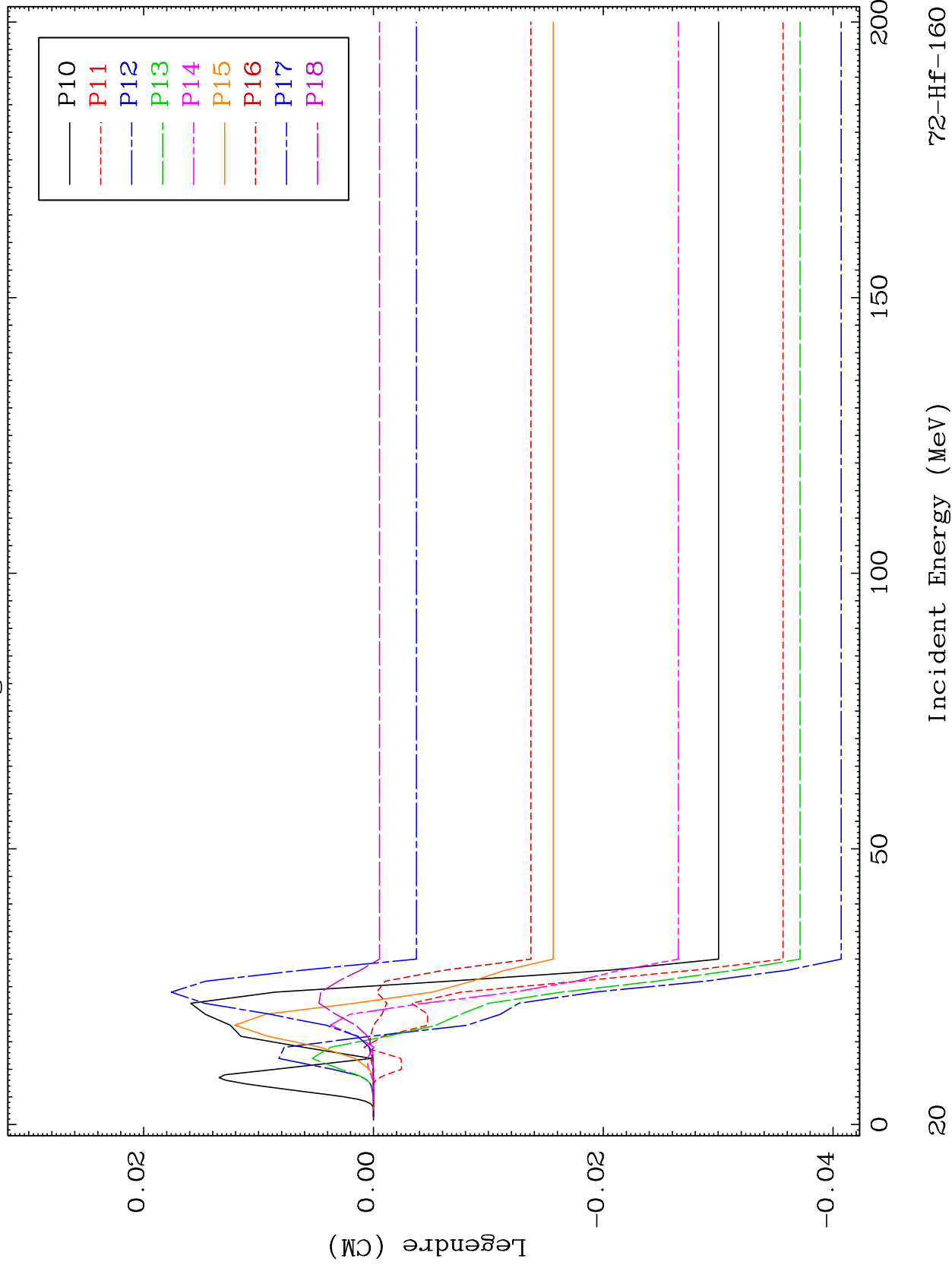
72-Hf-160



MAT 7183

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

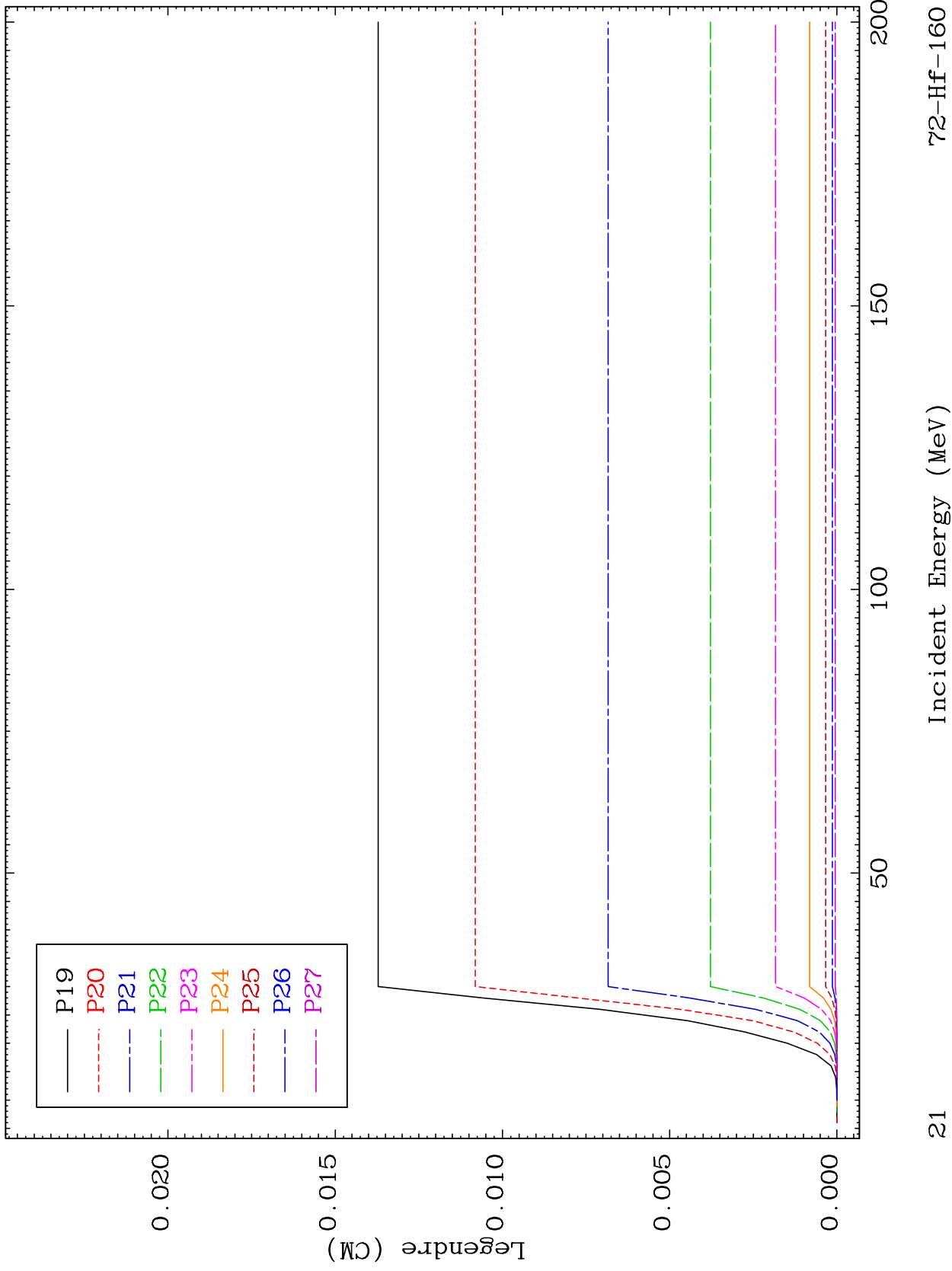
72-Hf-160



72-Hf-160

Incident Energy (MeV)

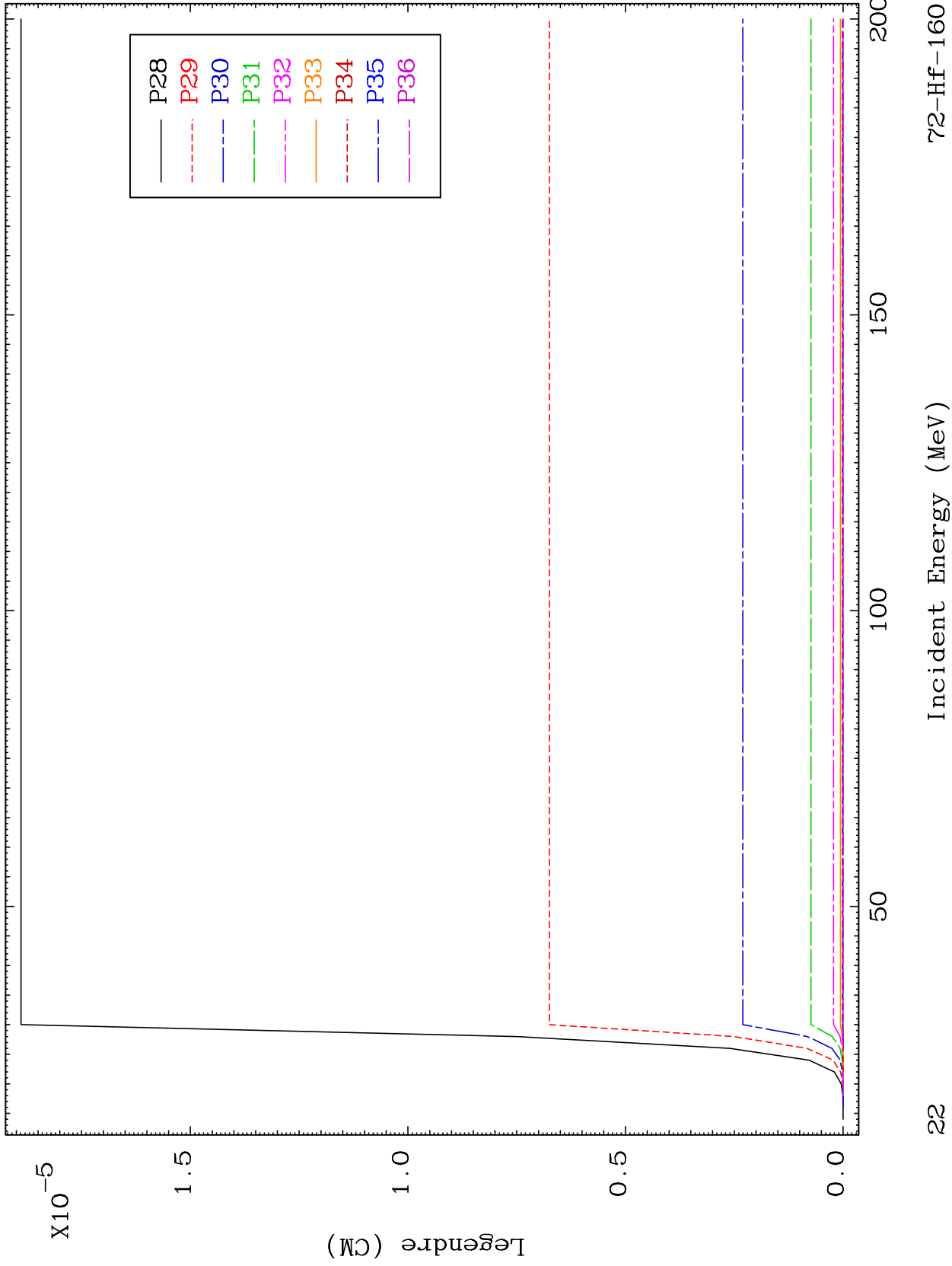
20



MAT 7183

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

72-Hf-160

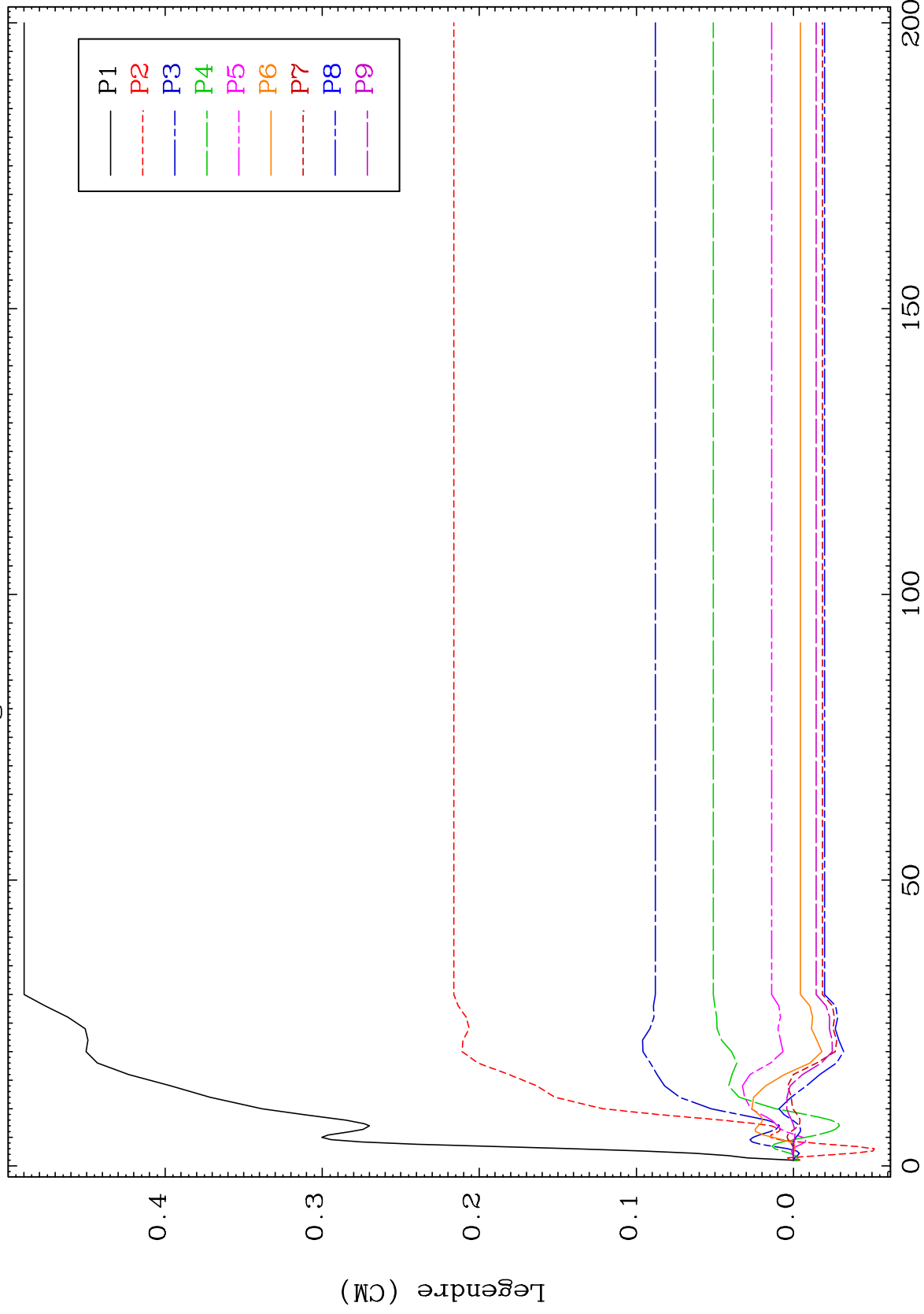


22

MAT 7183

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

72-Hf-160



23

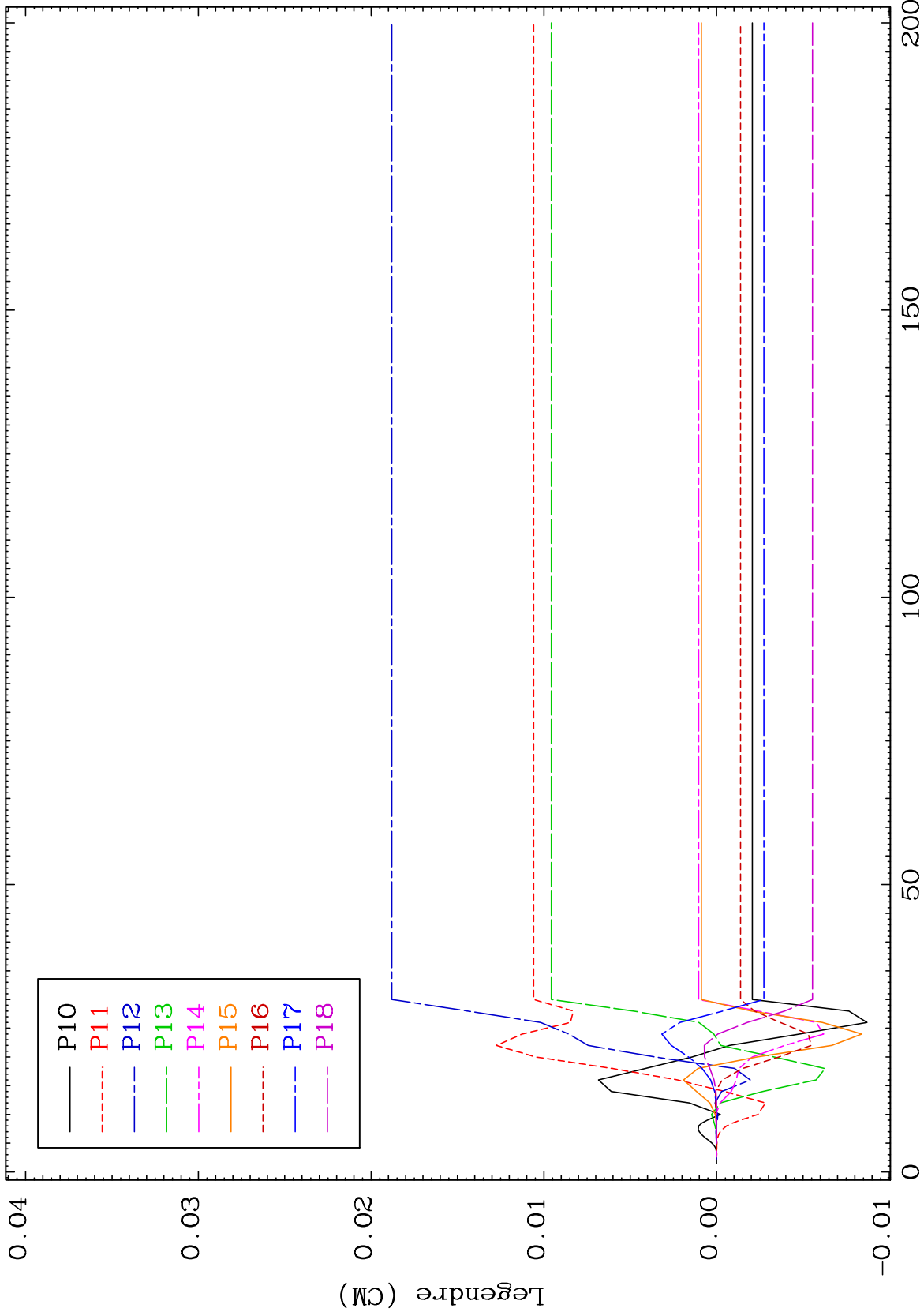
Incident Energy (MeV)

72-Hf-160

MAT 7183

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

72-Hf-160



24

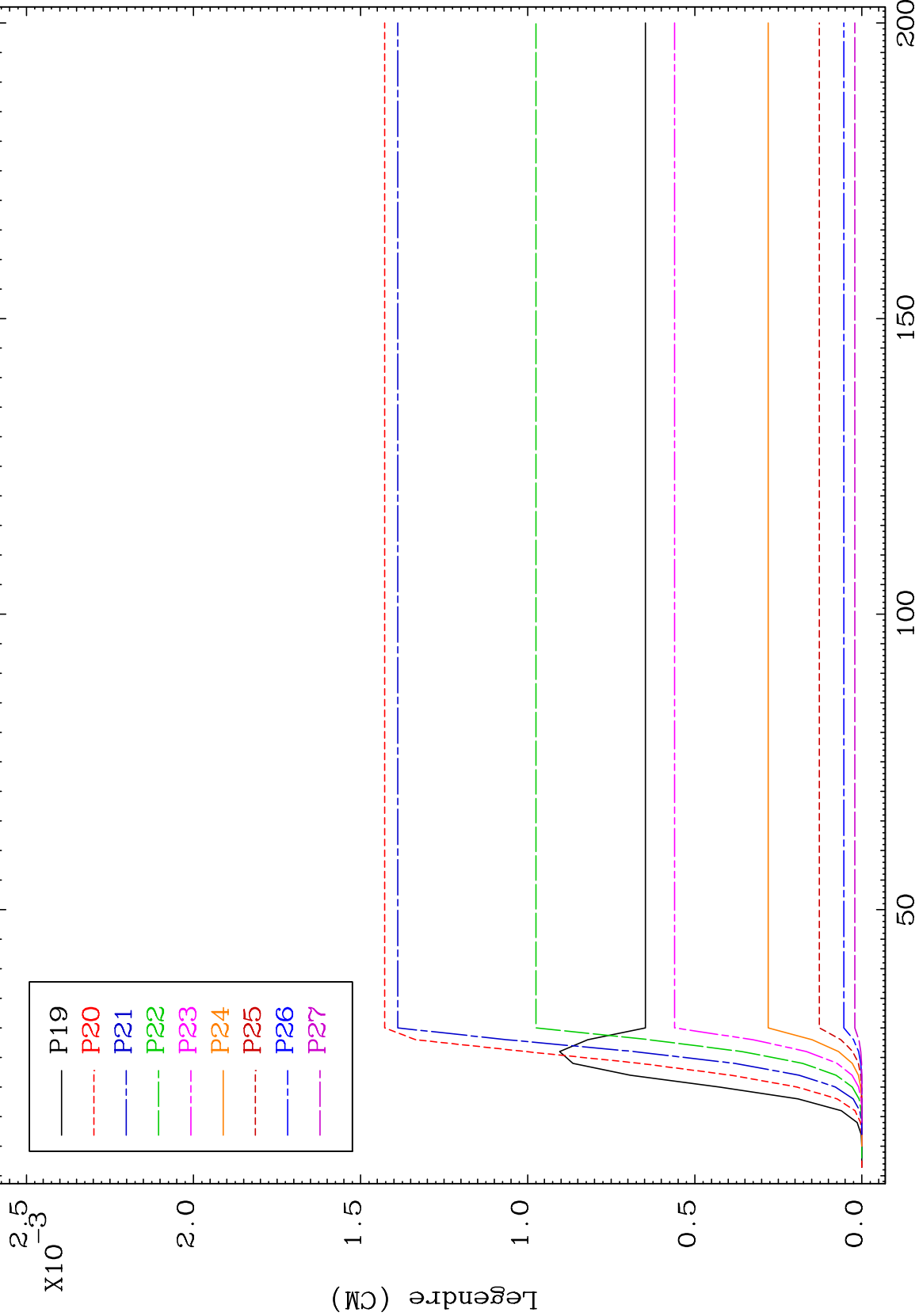
Incident Energy (MeV)

72-Hf-160

MAT 7183

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

72-Hf-160



25

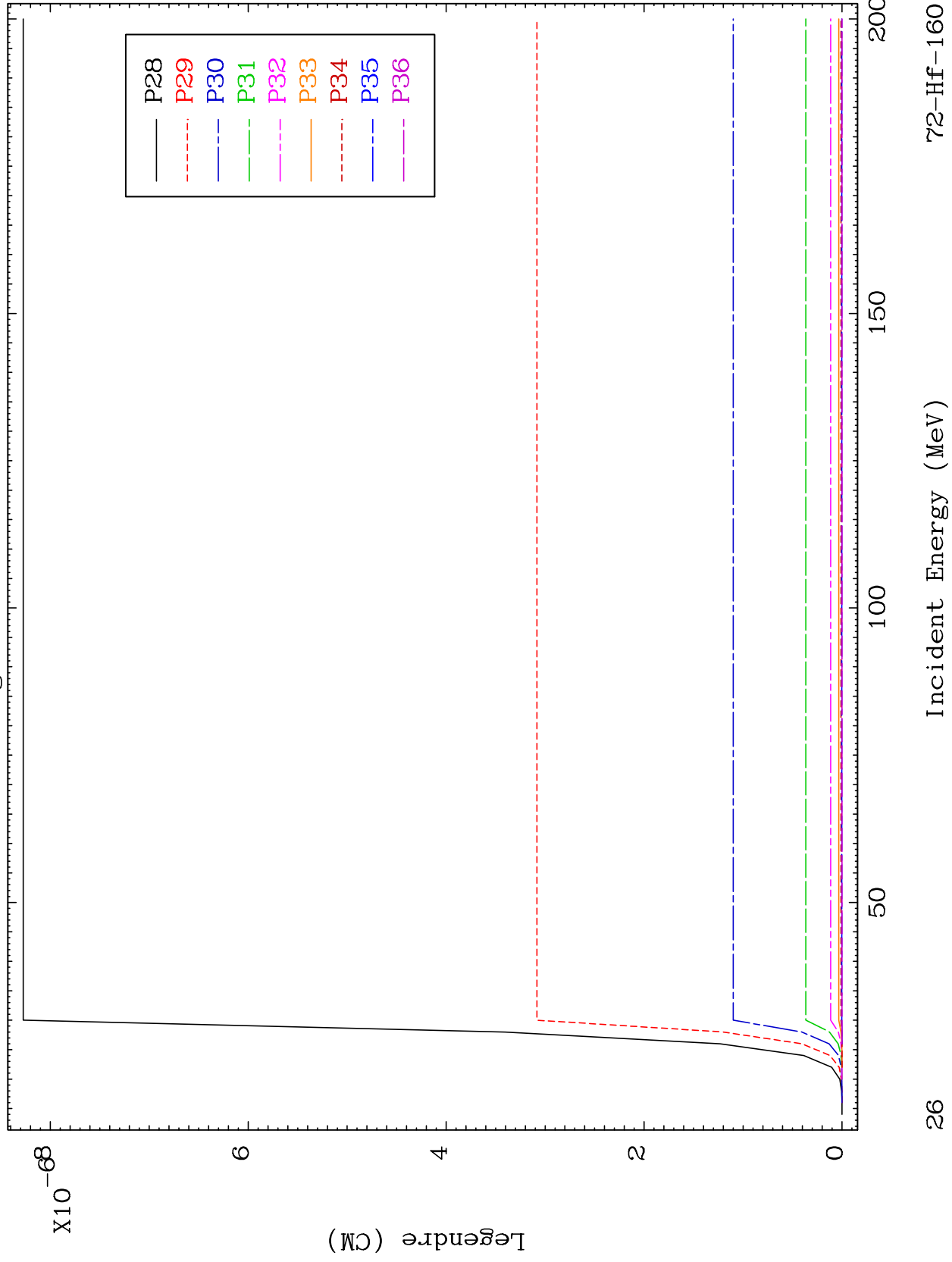
Incident Energy (MeV)

72-Hf-160

MAT 7183

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

72-Hf-160

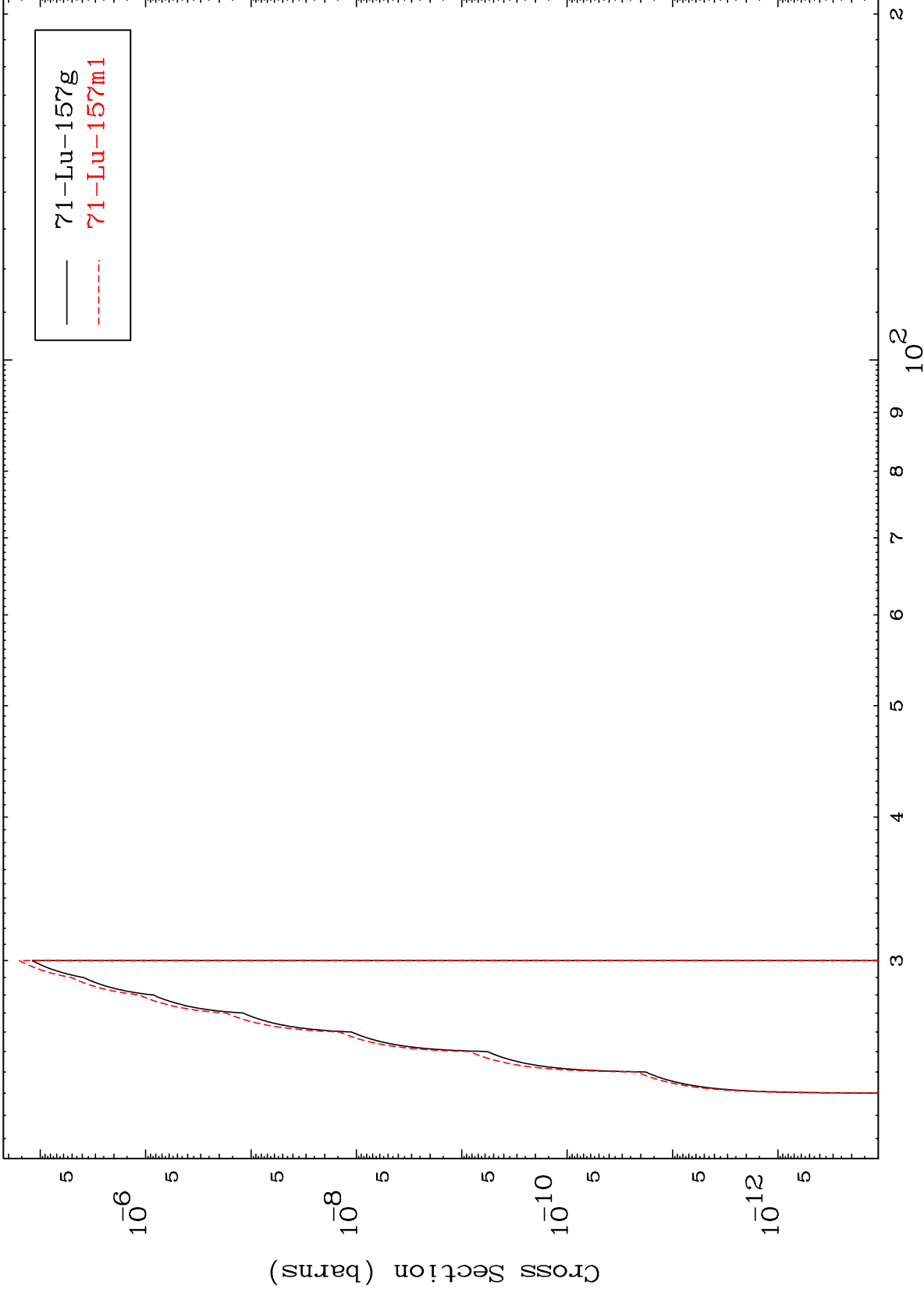


26

Incident Energy (MeV)

72-Hf-160

Radionuclide Production Cross Section

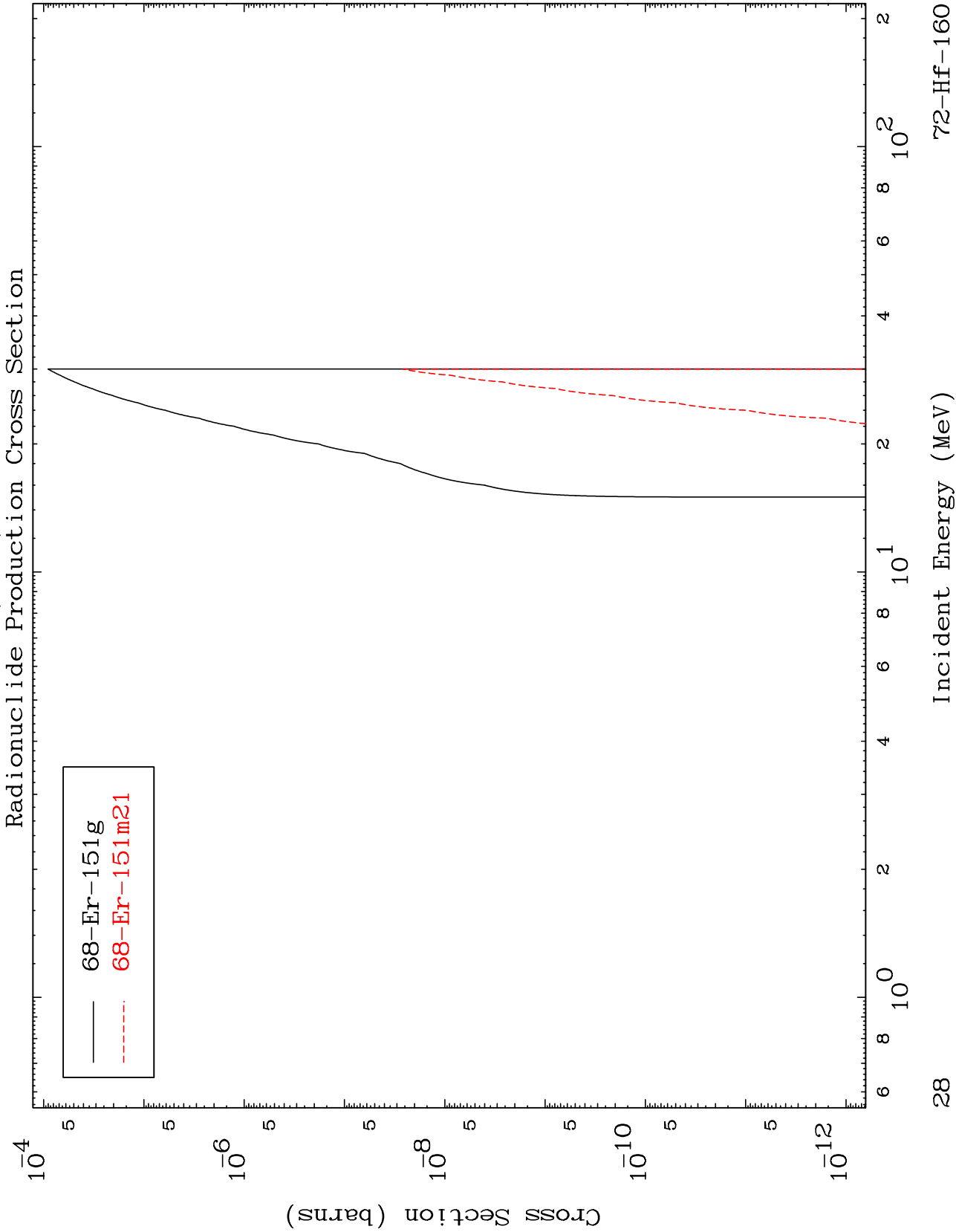


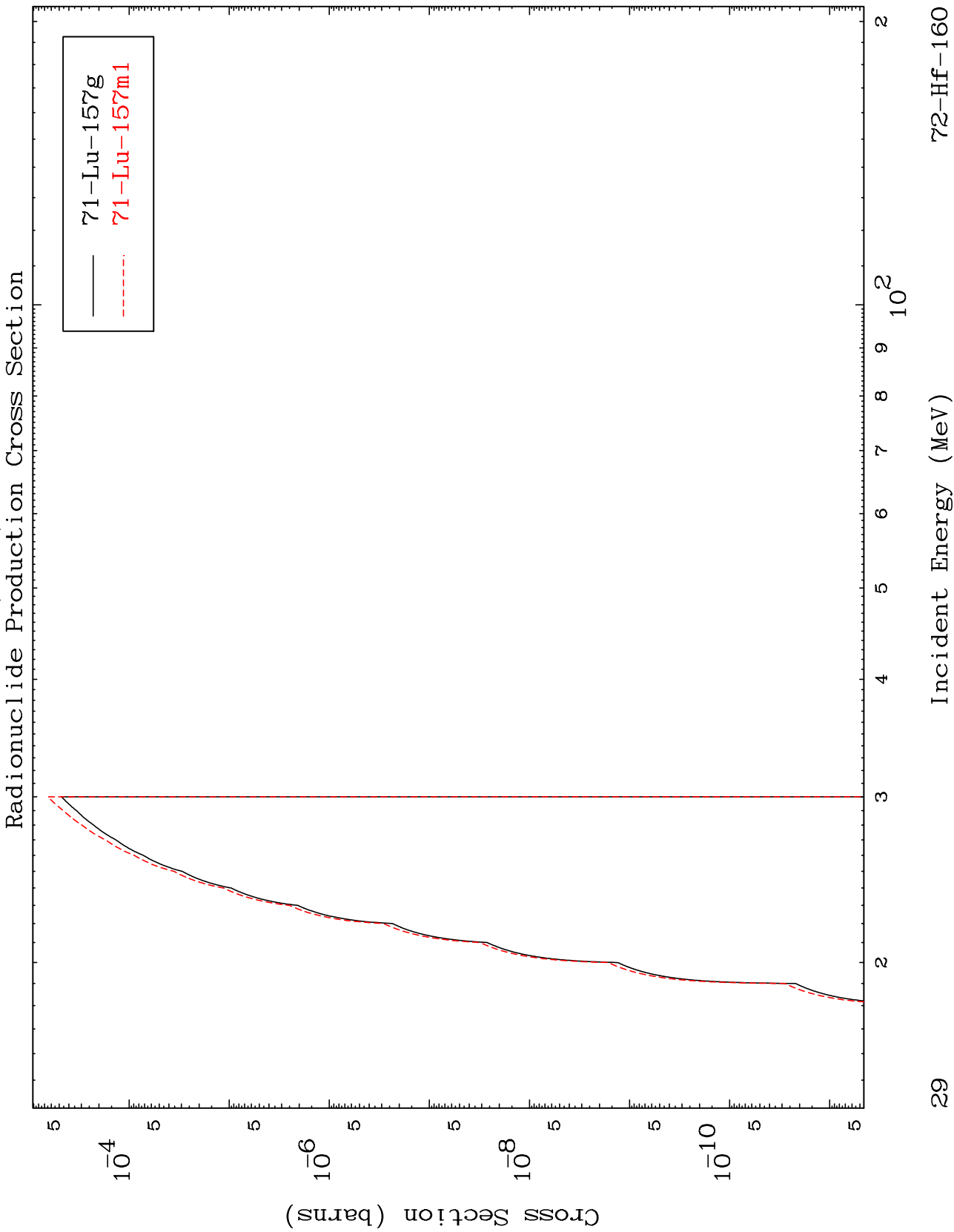
71-Lu-157g
71-Lu-157m1

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(n,2n) 2α

72-Hf-160



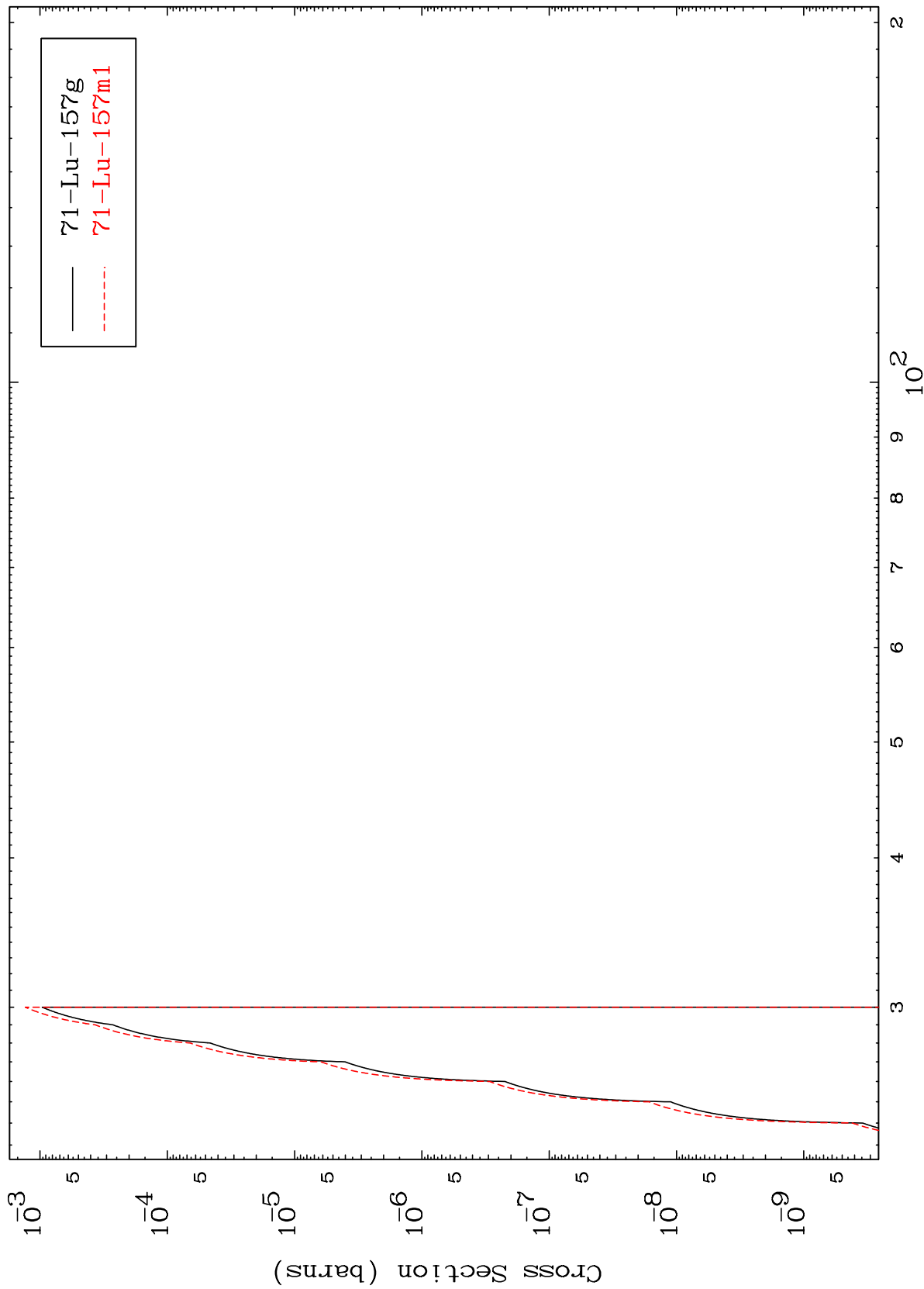


MAT 7183

(n,3n) p

72-Hf-160

Radionuclide Production Cross Section



71-Lu-157g
71-Lu-157m1

30

Incident Energy (MeV)

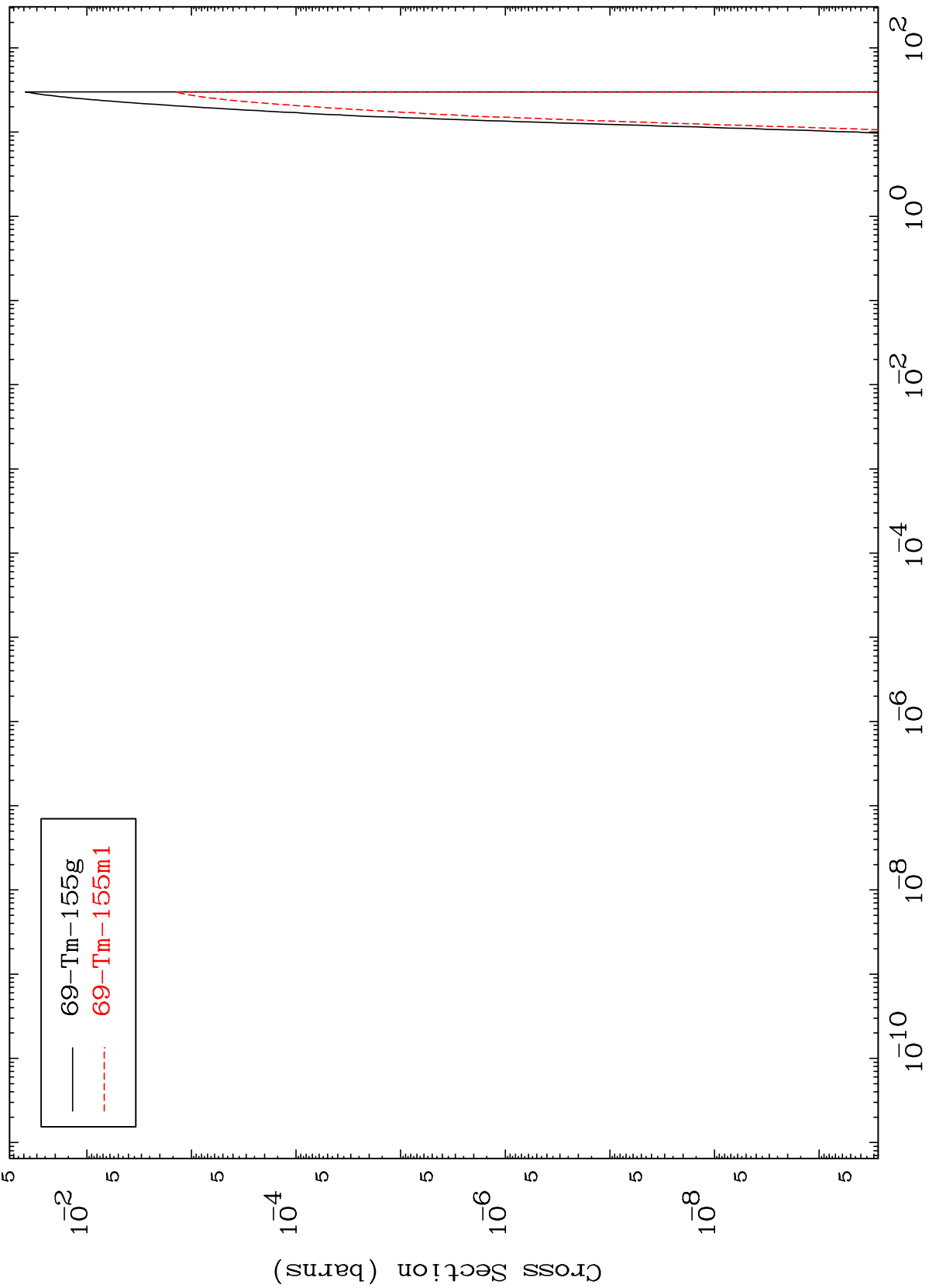
72-Hf-160

MAT 7183

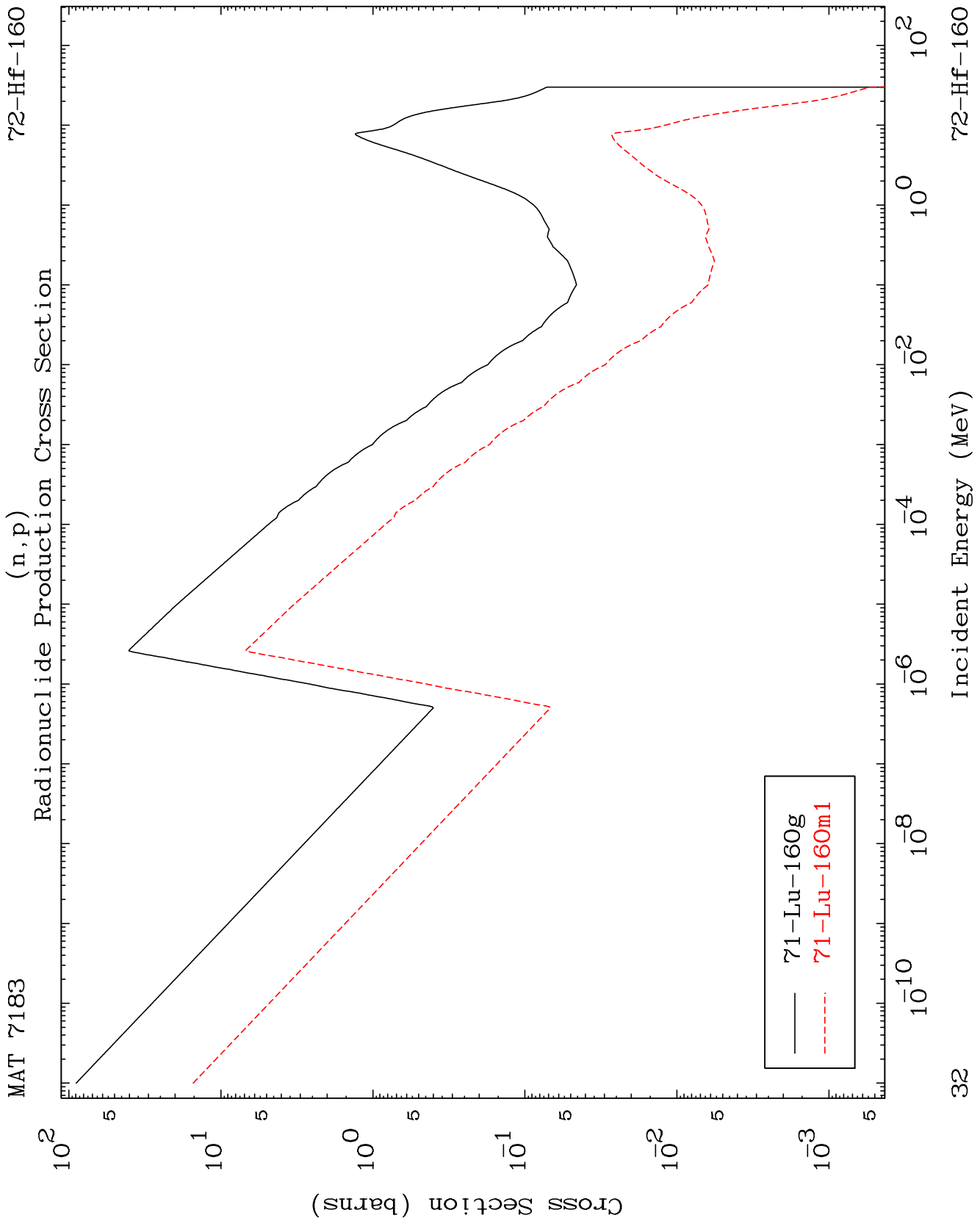
(n,n') p α

72-Hf-160

Radionuclide Production Cross Section



69-Tm-155g
69-Tm-155m1

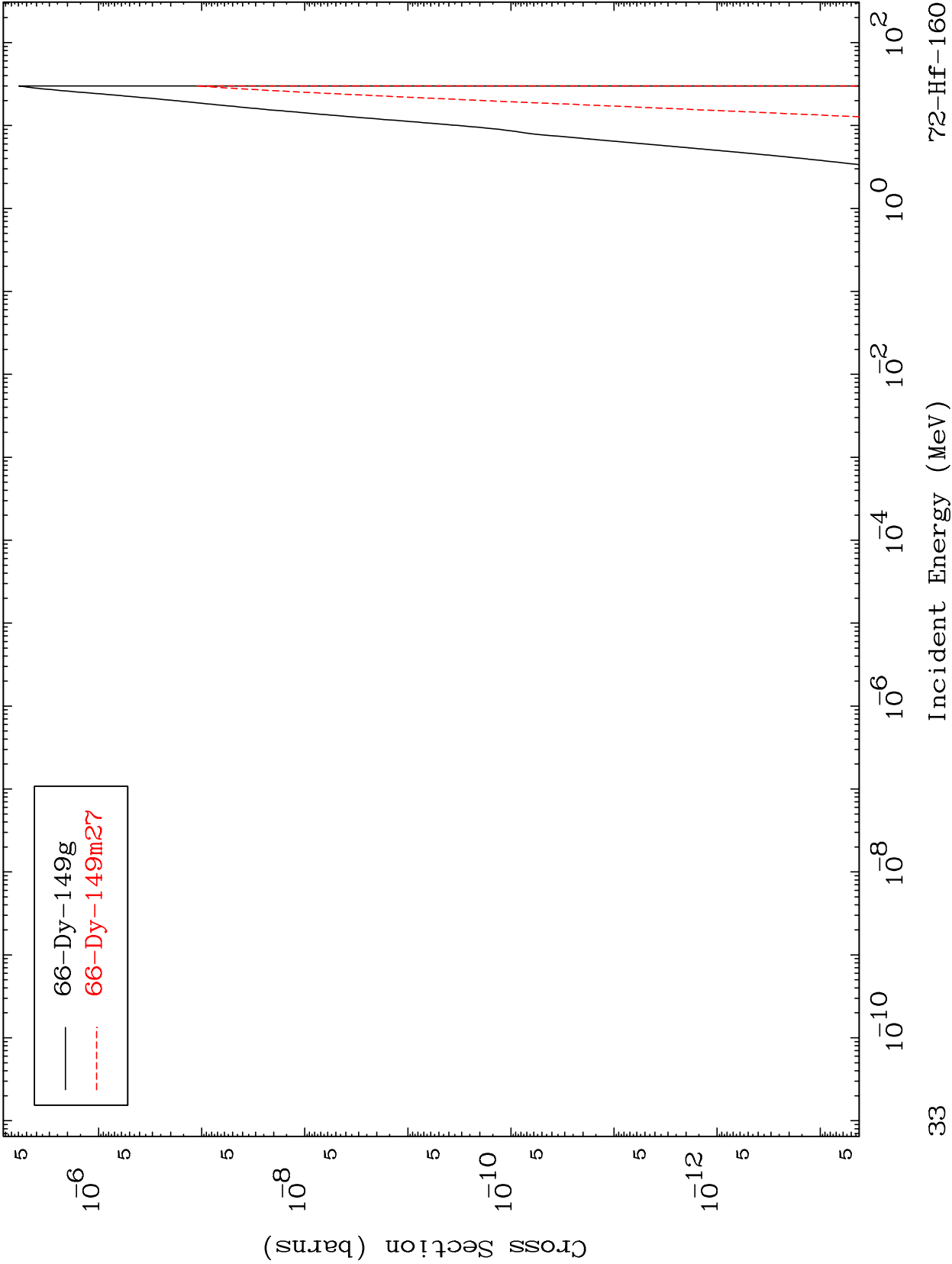


MAT 7183

(n, 3 α)

⁷²Hf-160

Radionuclide Production Cross Section

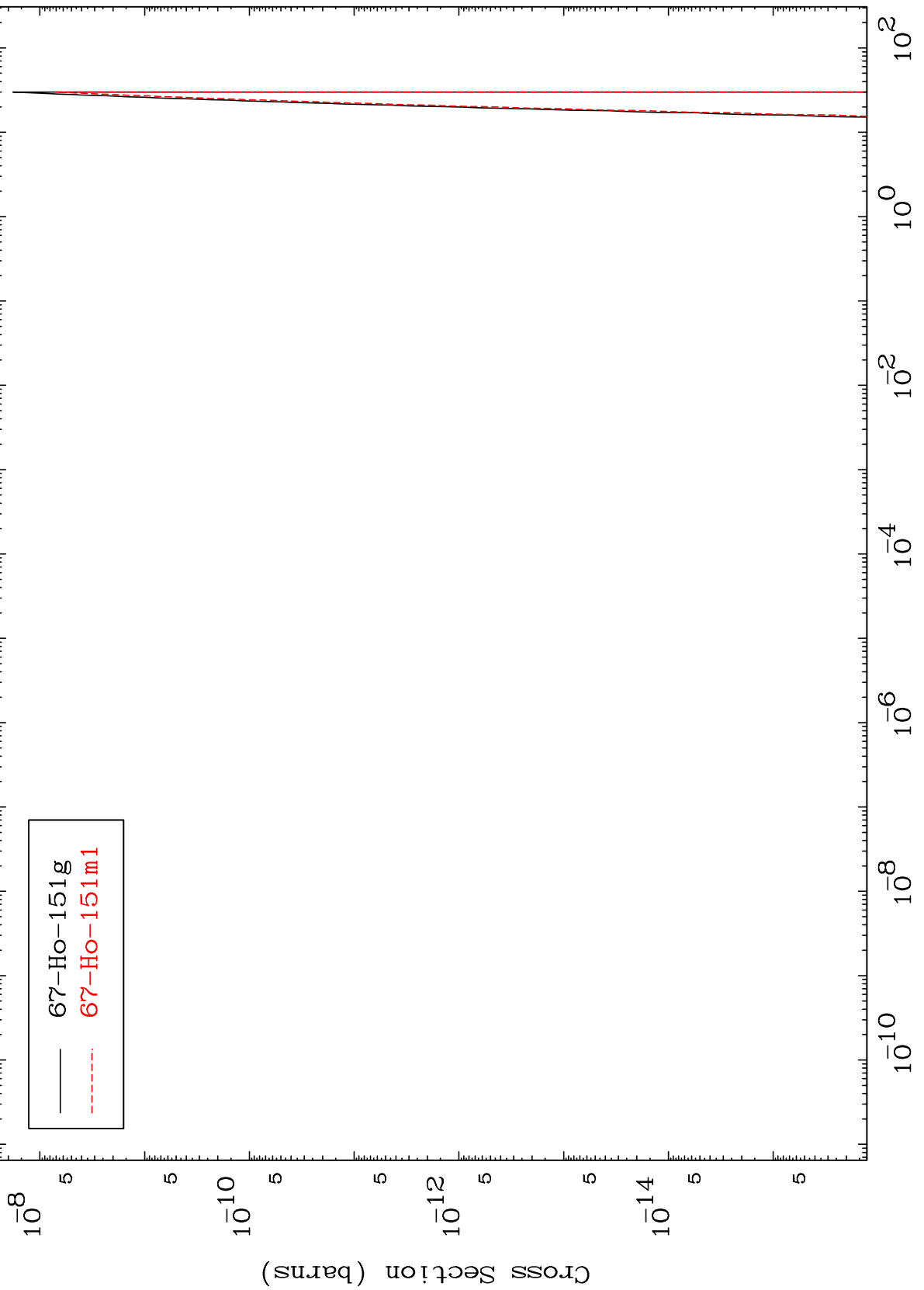


MAT 7183

(n,d) 2 α

72-Hf-160

Radionuclide Production Cross Section



67-Ho-151g
67-Ho-151m1

Incident Energy (MeV)

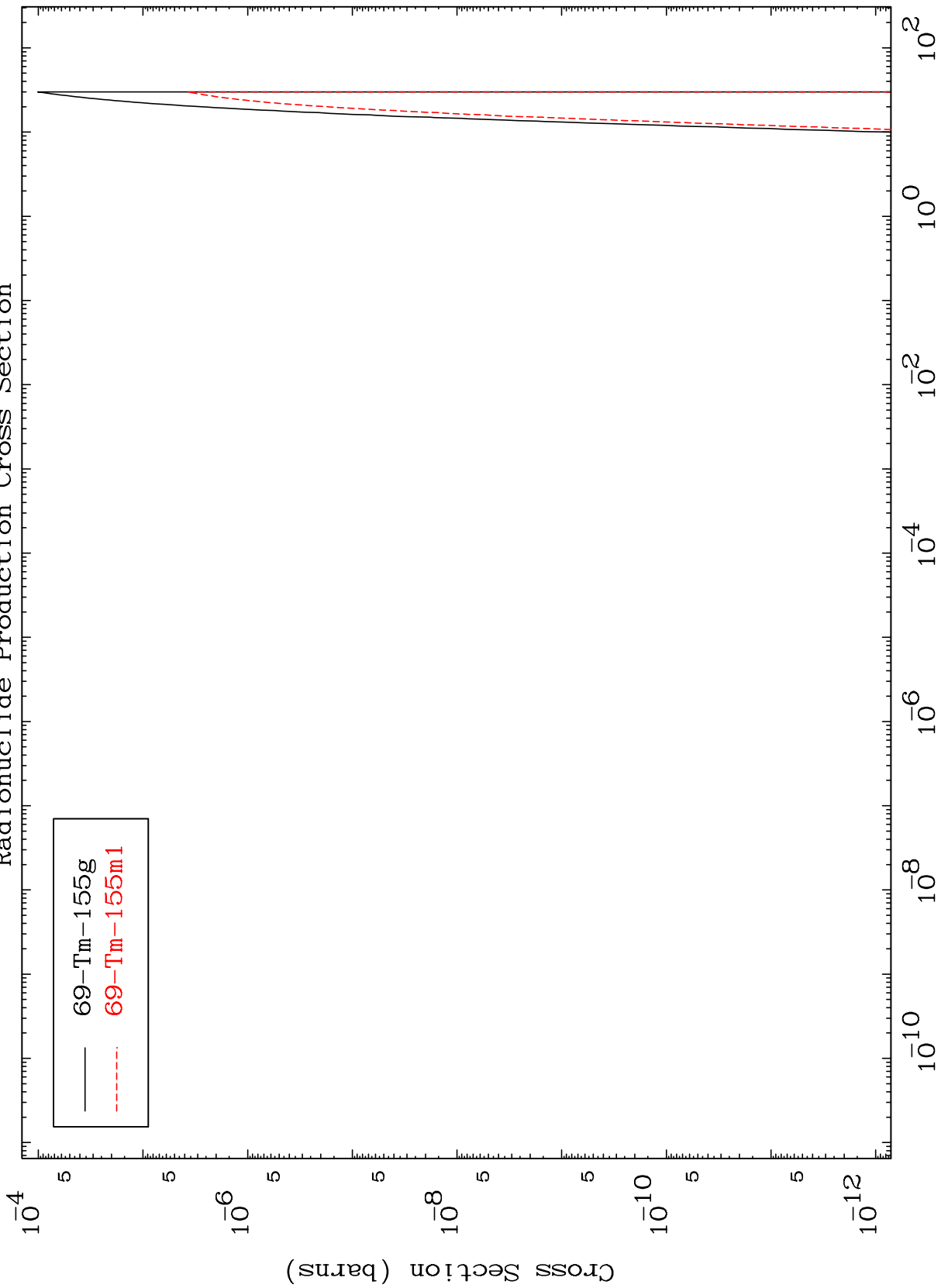
72-Hf-160

MAT 7183

(n,d) α

72-Hf-160

Radionuclide Production Cross Section



69-Tm-155g
69-Tm-155m1

Incident Energy (MeV)

72-Hf-160

35