

Program EVALPLOT
(Version 2015-2)

by

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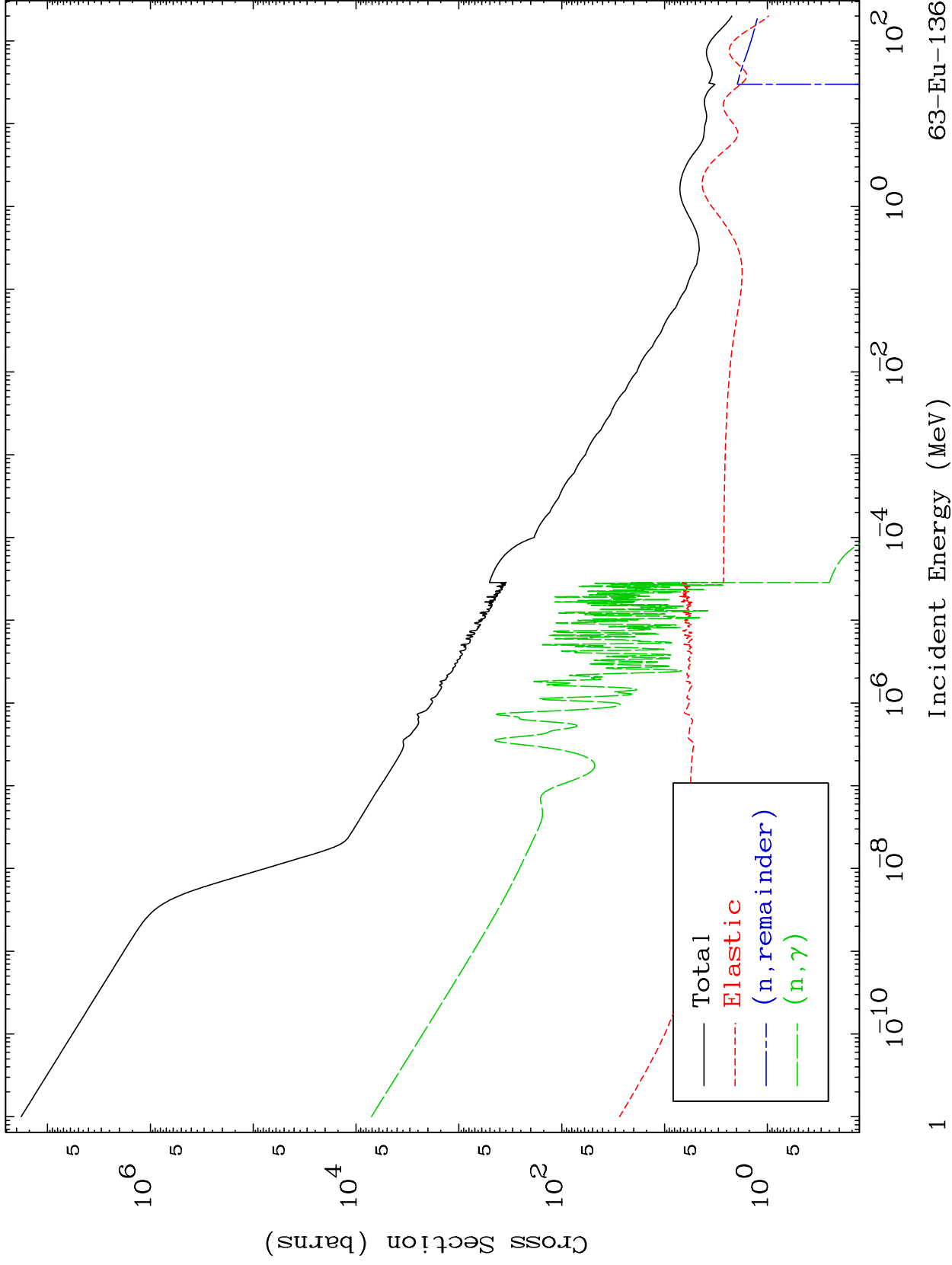
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6280

Major
293 Kelvin Cross Sections

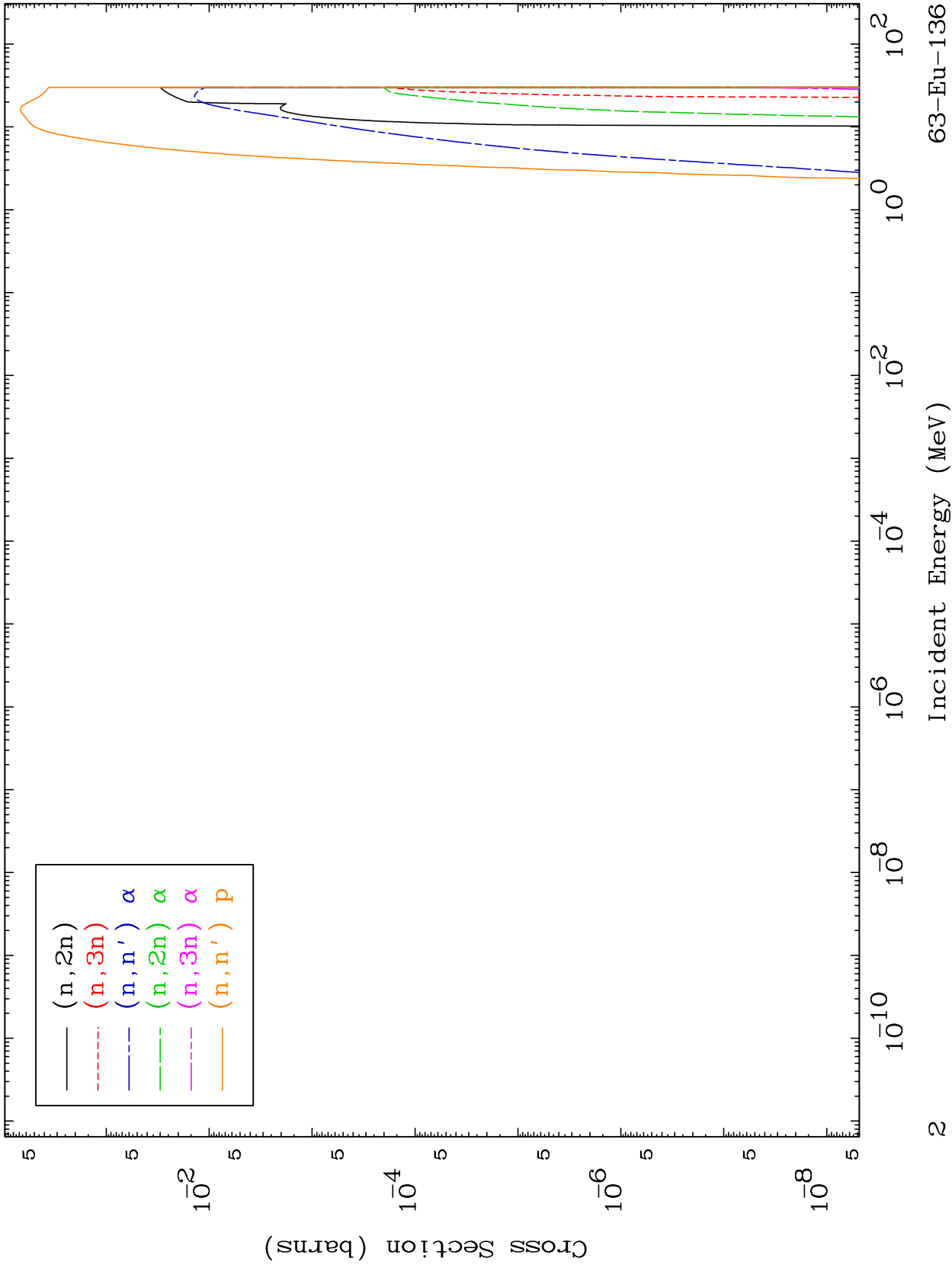
63-Eu-136



MAT 6280

Neutron Production
293 Kelvin Cross Sections

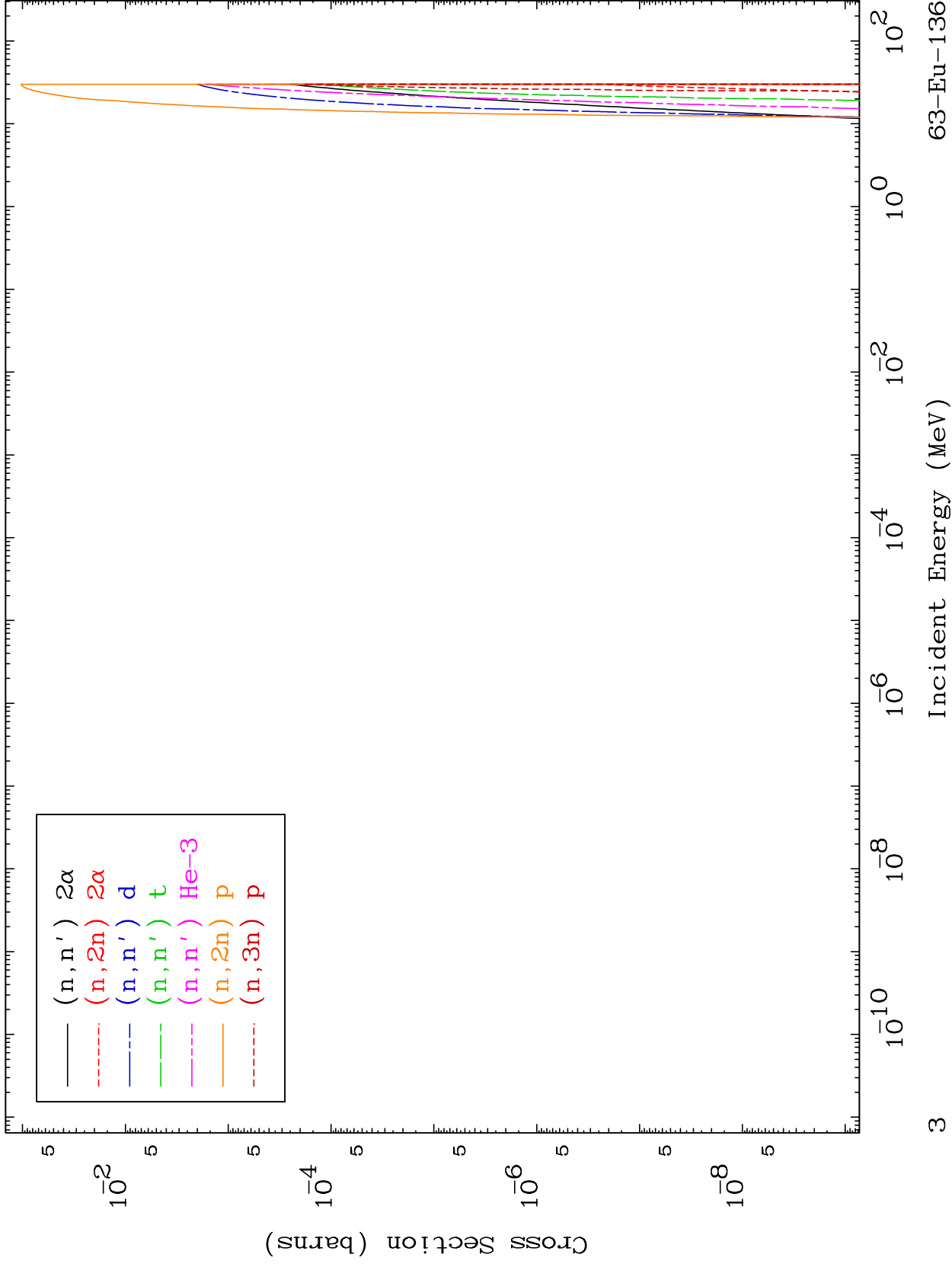
63-Eu-136



MAT 6280

Neutron Production
293 Kelvin Cross Sections

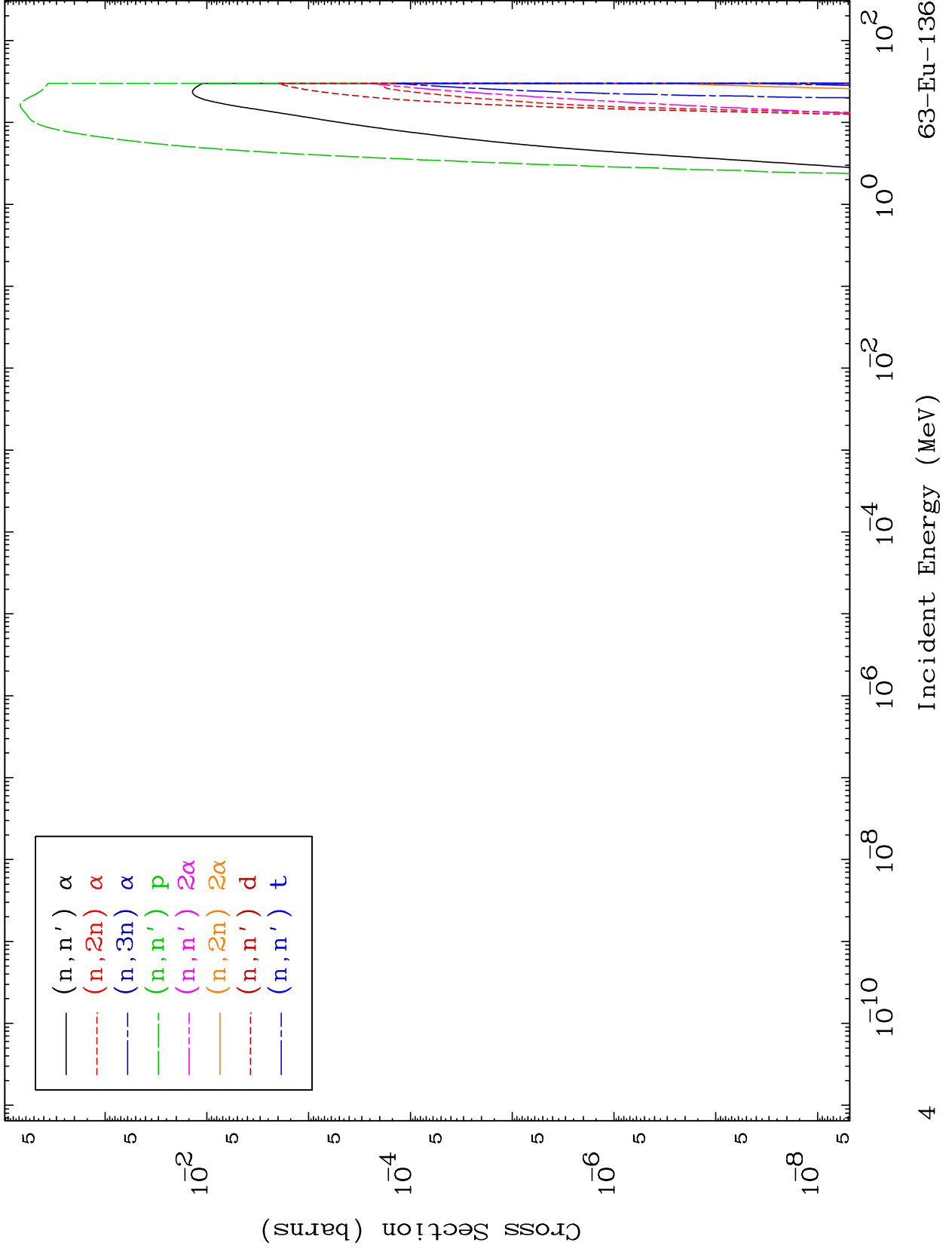
63-Eu-136

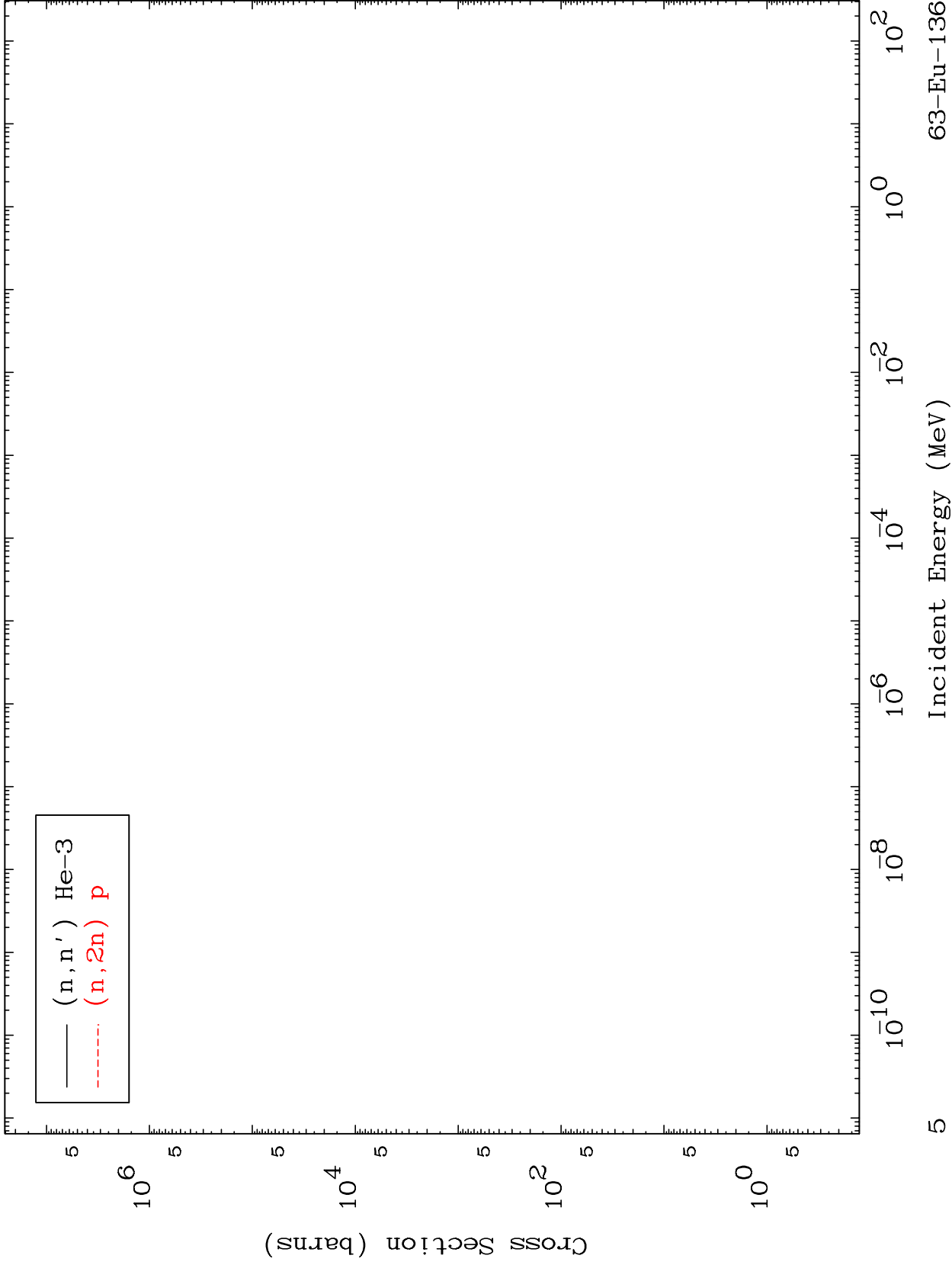


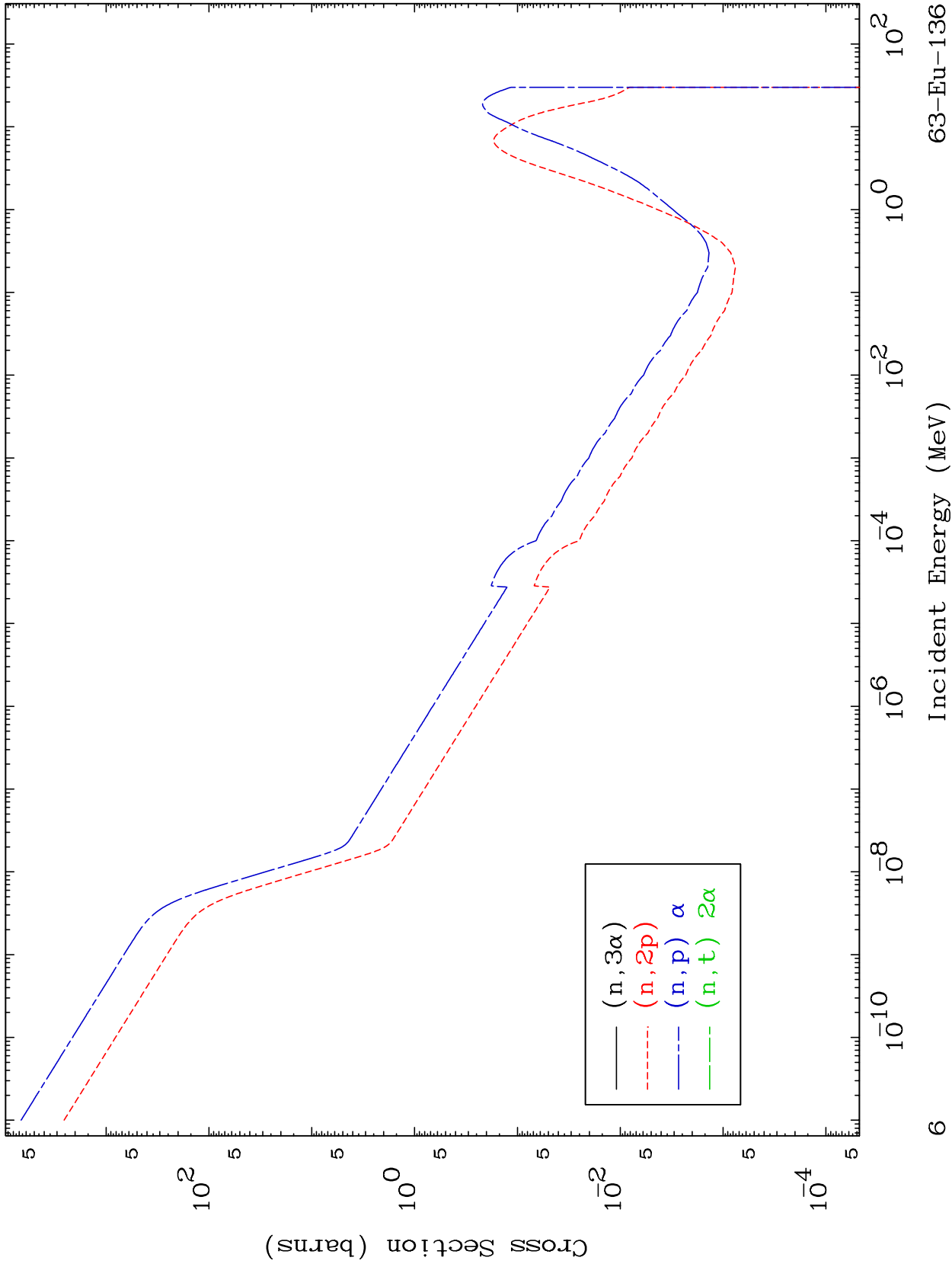
MAT 6280

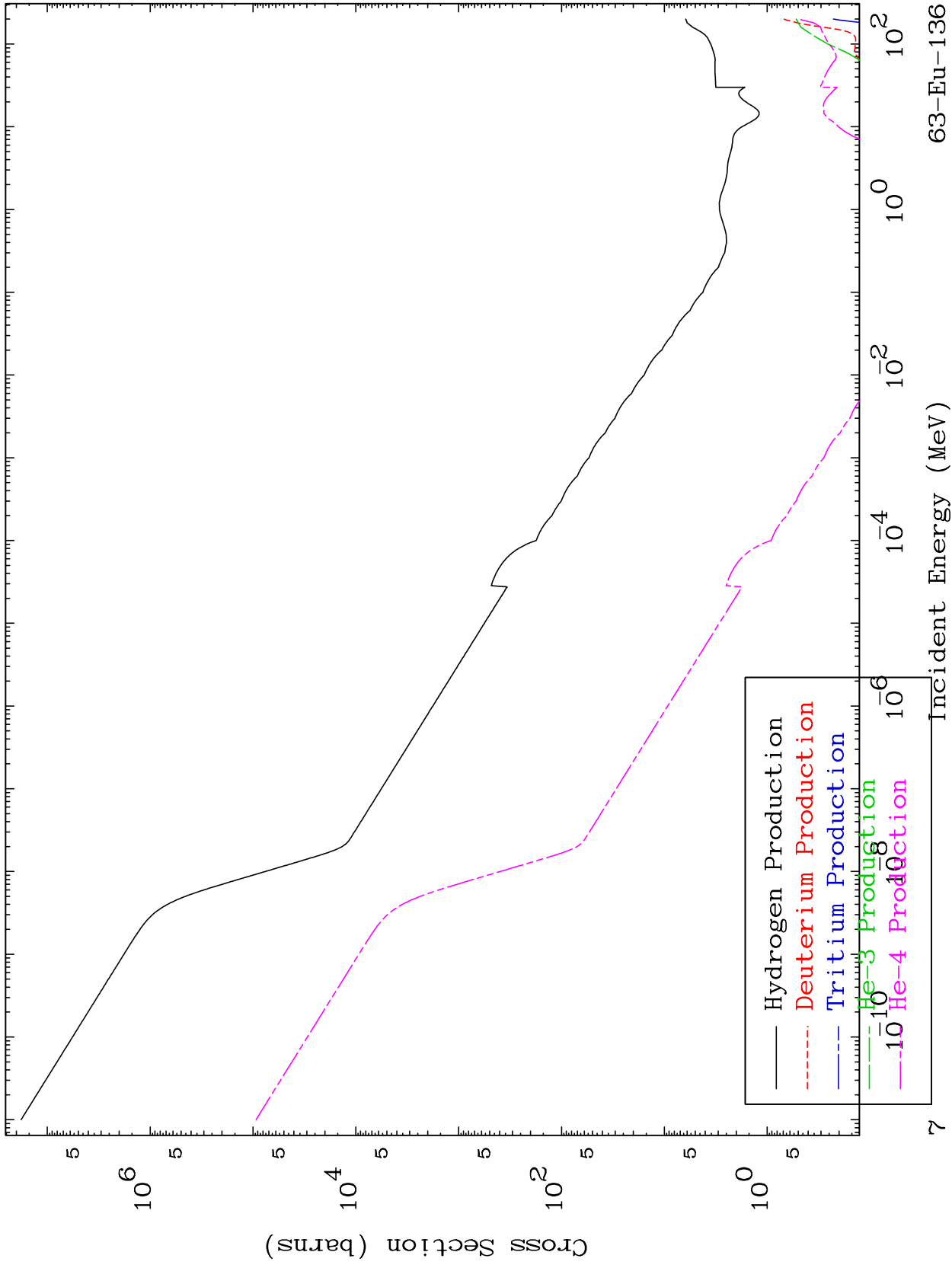
Charged Particle
293 Kelvin Cross Sections

63-Eu-136





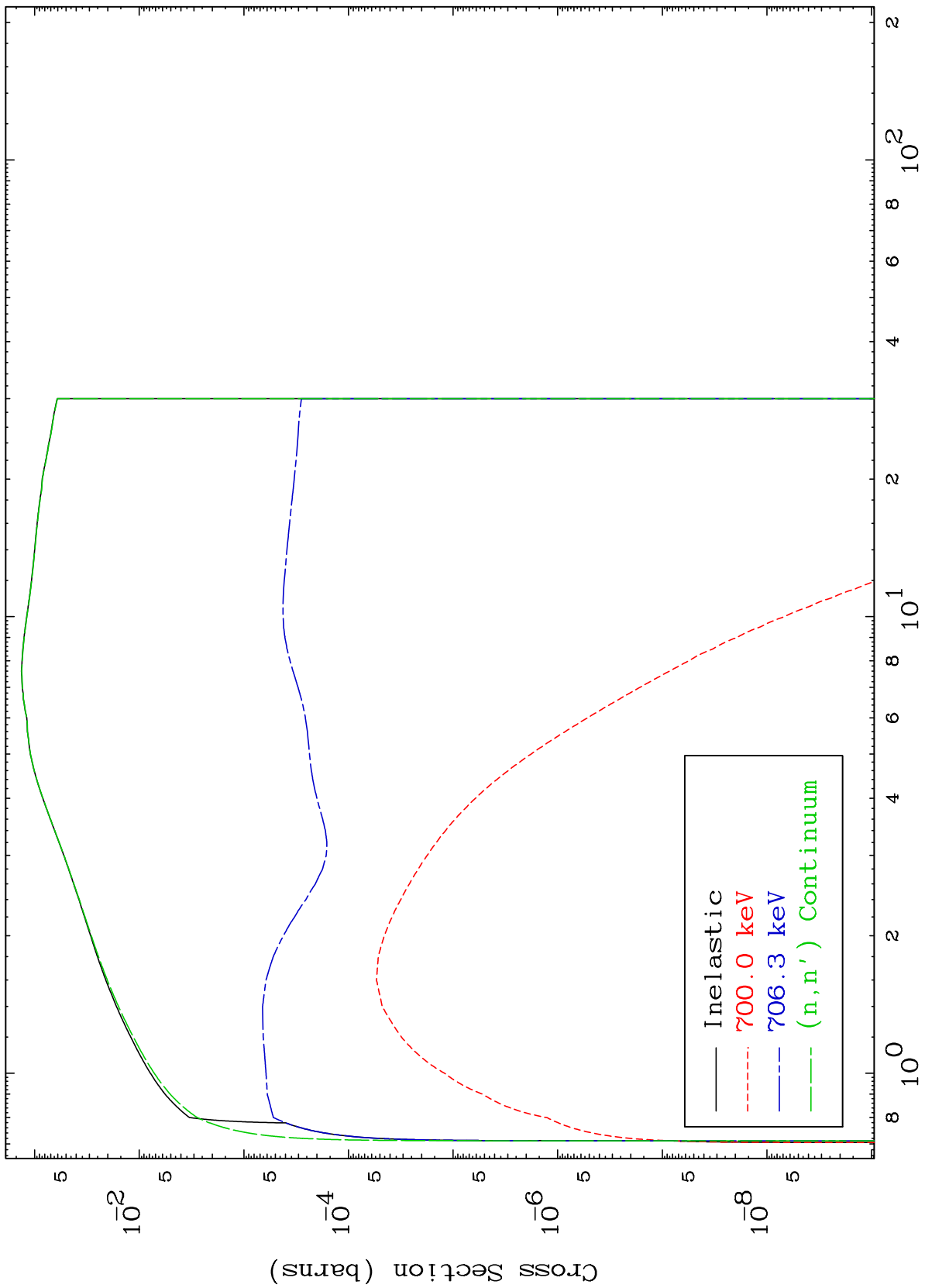




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63-Eu-136

(n,n') Level
293 Kelvin Cross Sections



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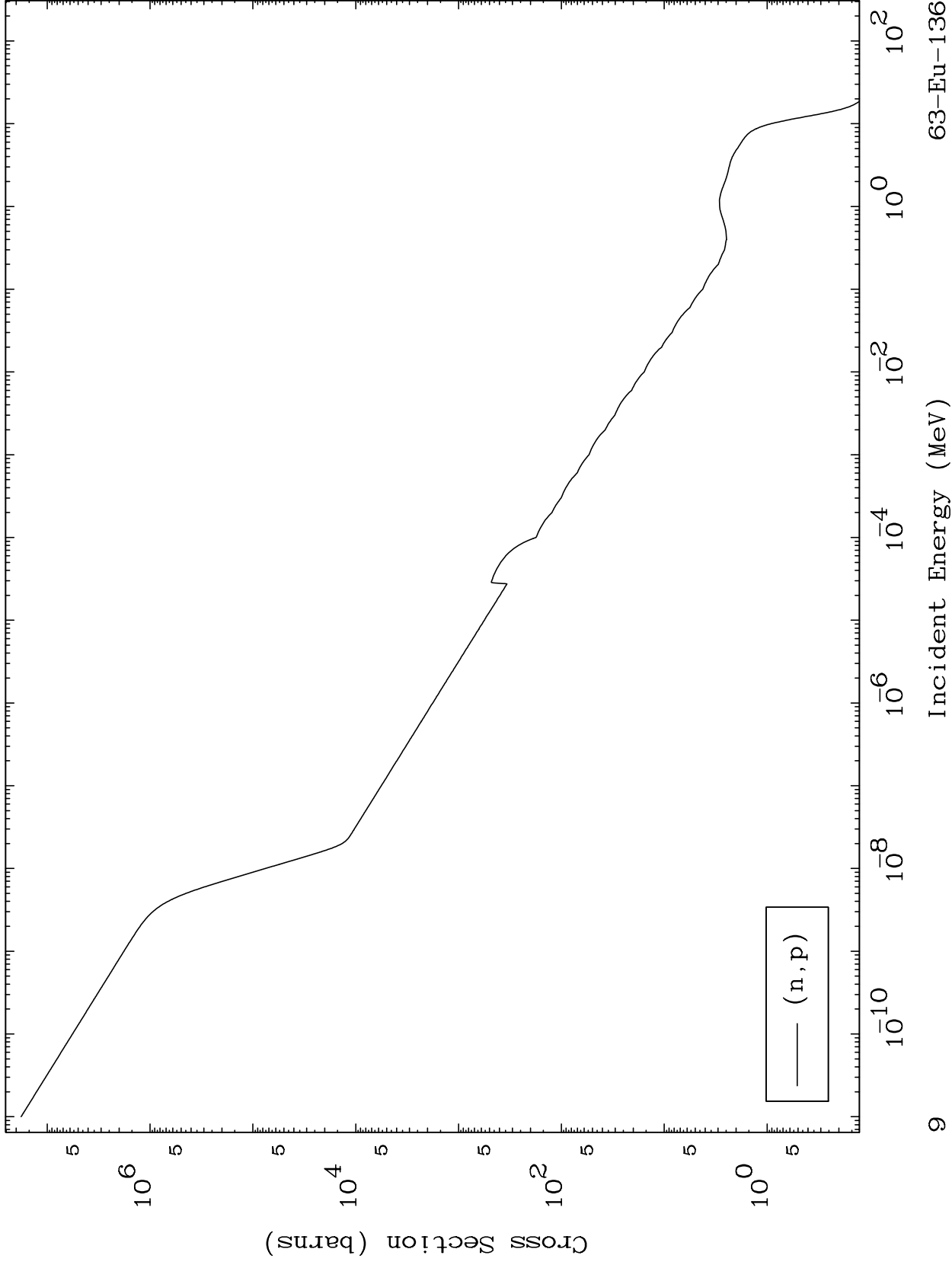
Incident Energy (MeV)

63-Eu-136

MAT 6280

(n,p) Levels
293 Kelvin Cross Sections

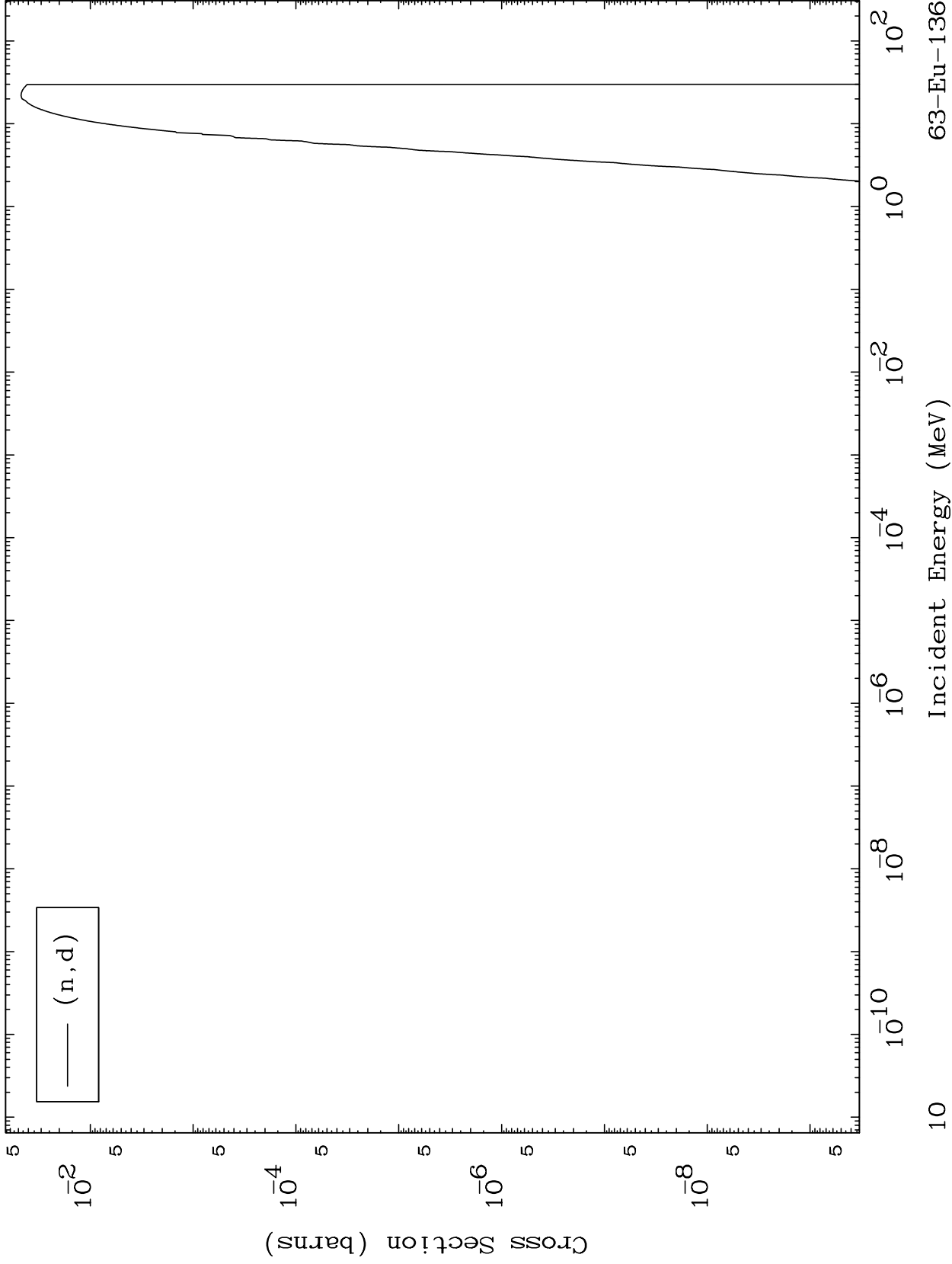
63-Eu-136



MAT 6280

(n,d) Levels
293 Kelvin Cross Sections

63-Eu-136



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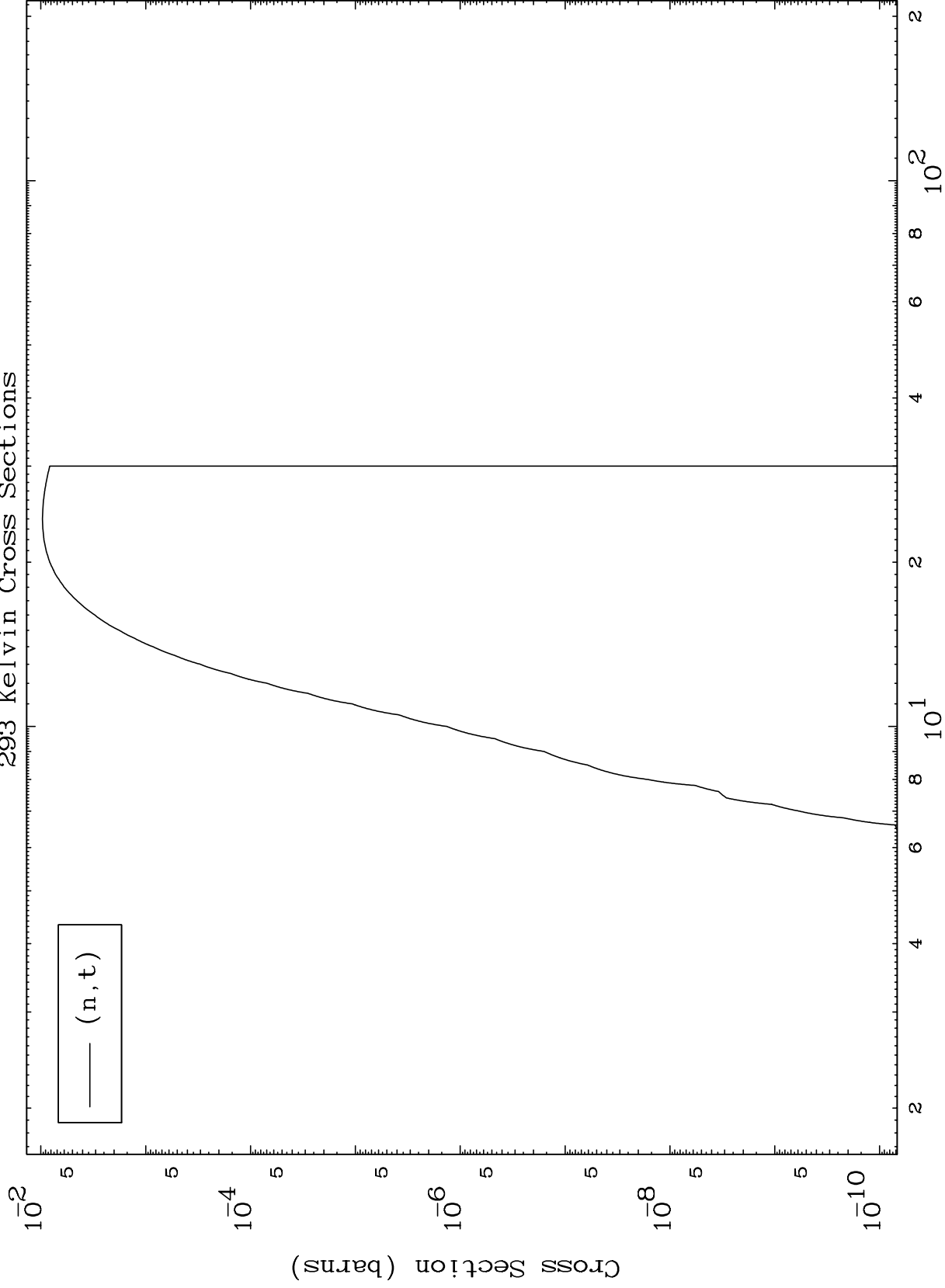
Incident Energy (MeV)

63-Eu-136

MAT 6280

(n,t) Levels
293 Kelvin Cross Sections

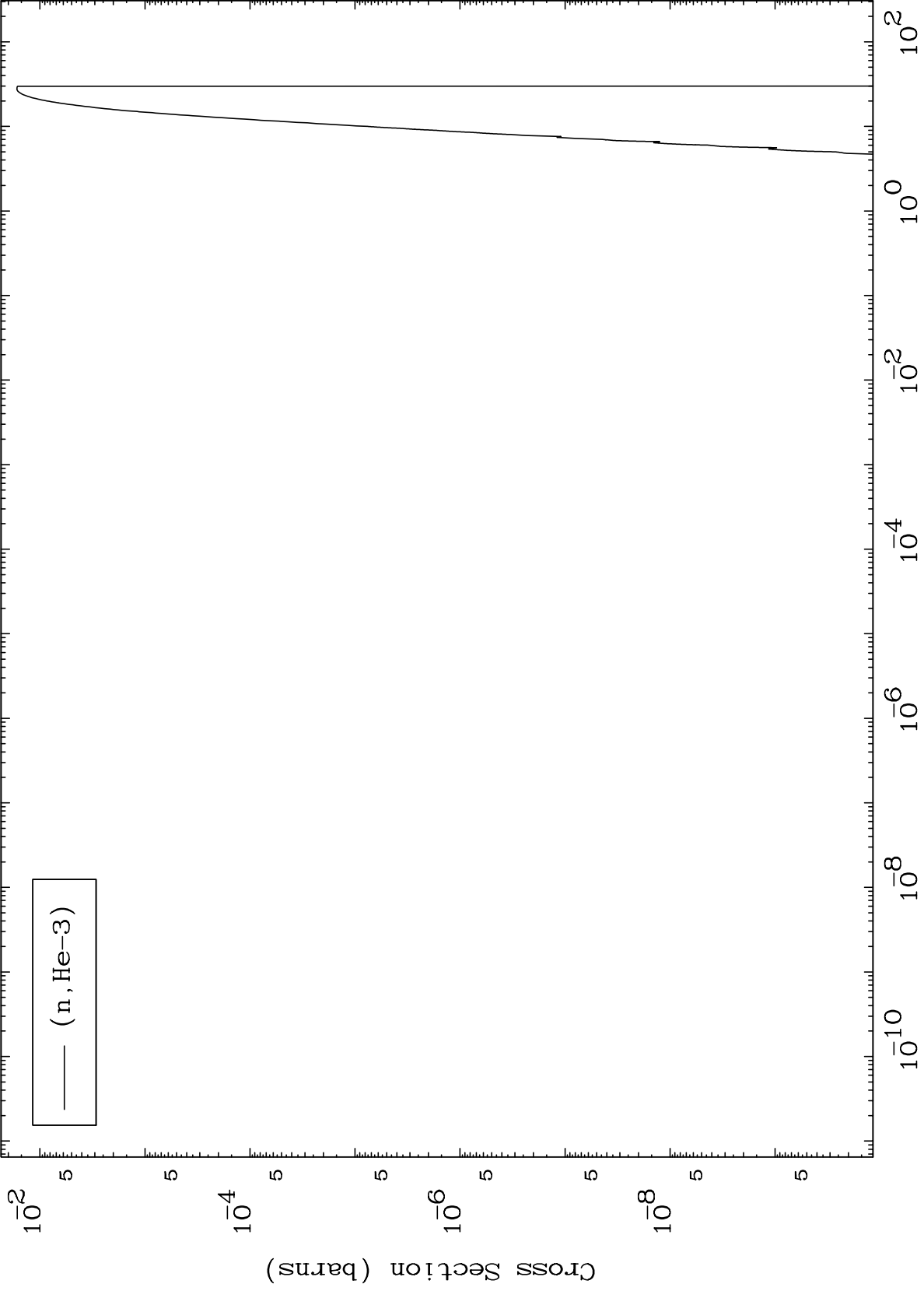
63-Eu-136



MAT 6280

(n,He3) Levels
293 Kelvin Cross Sections

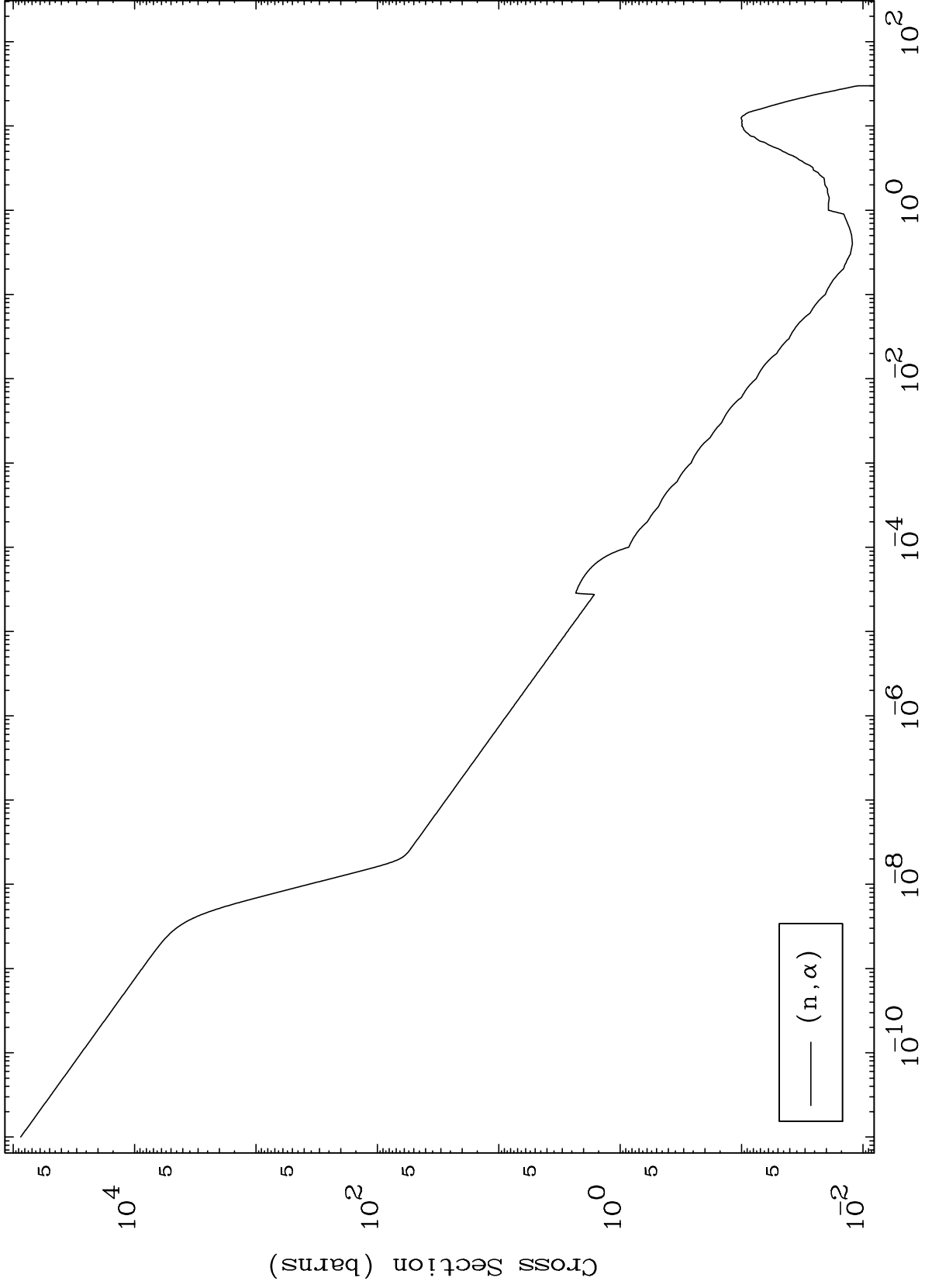
63-Eu-136

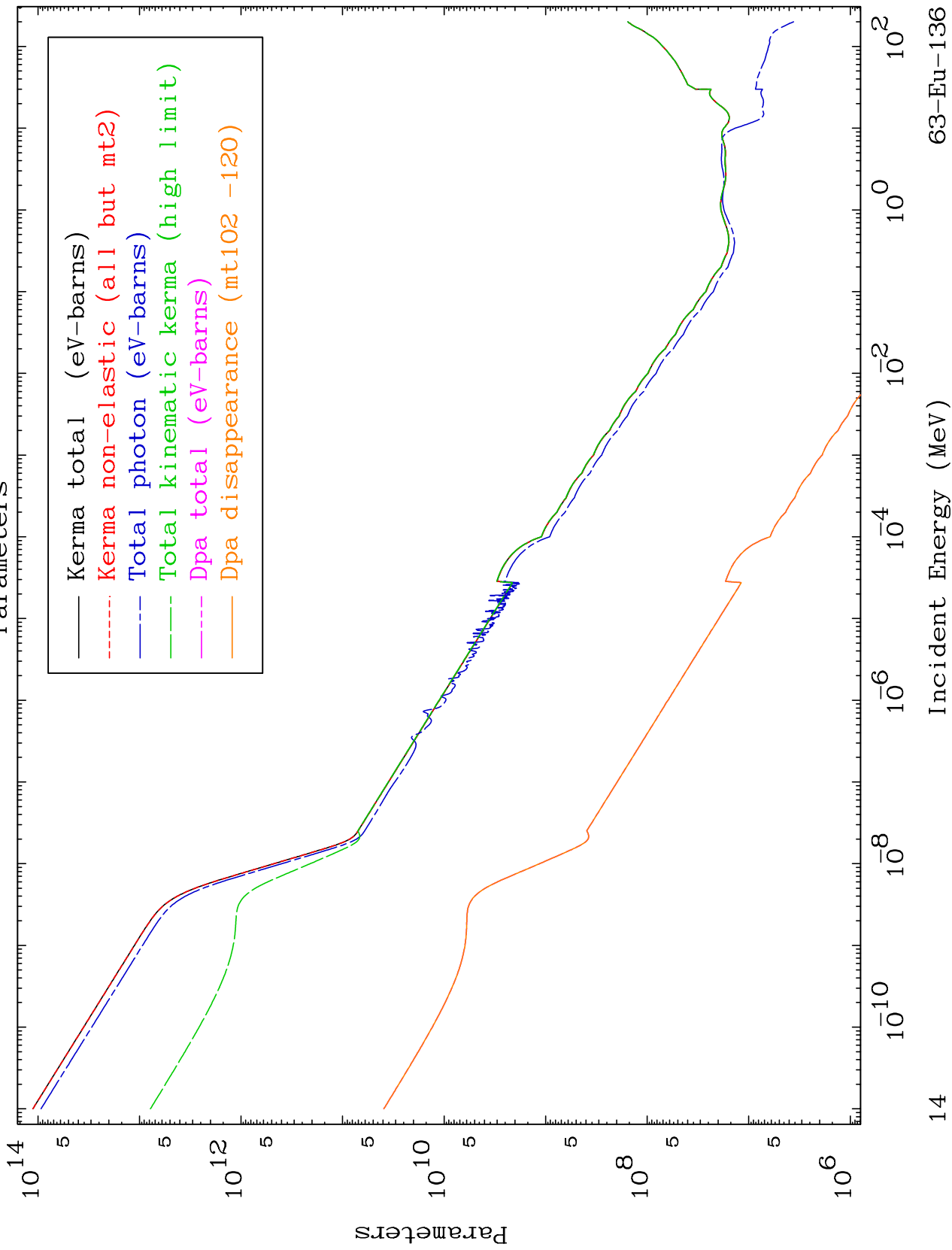


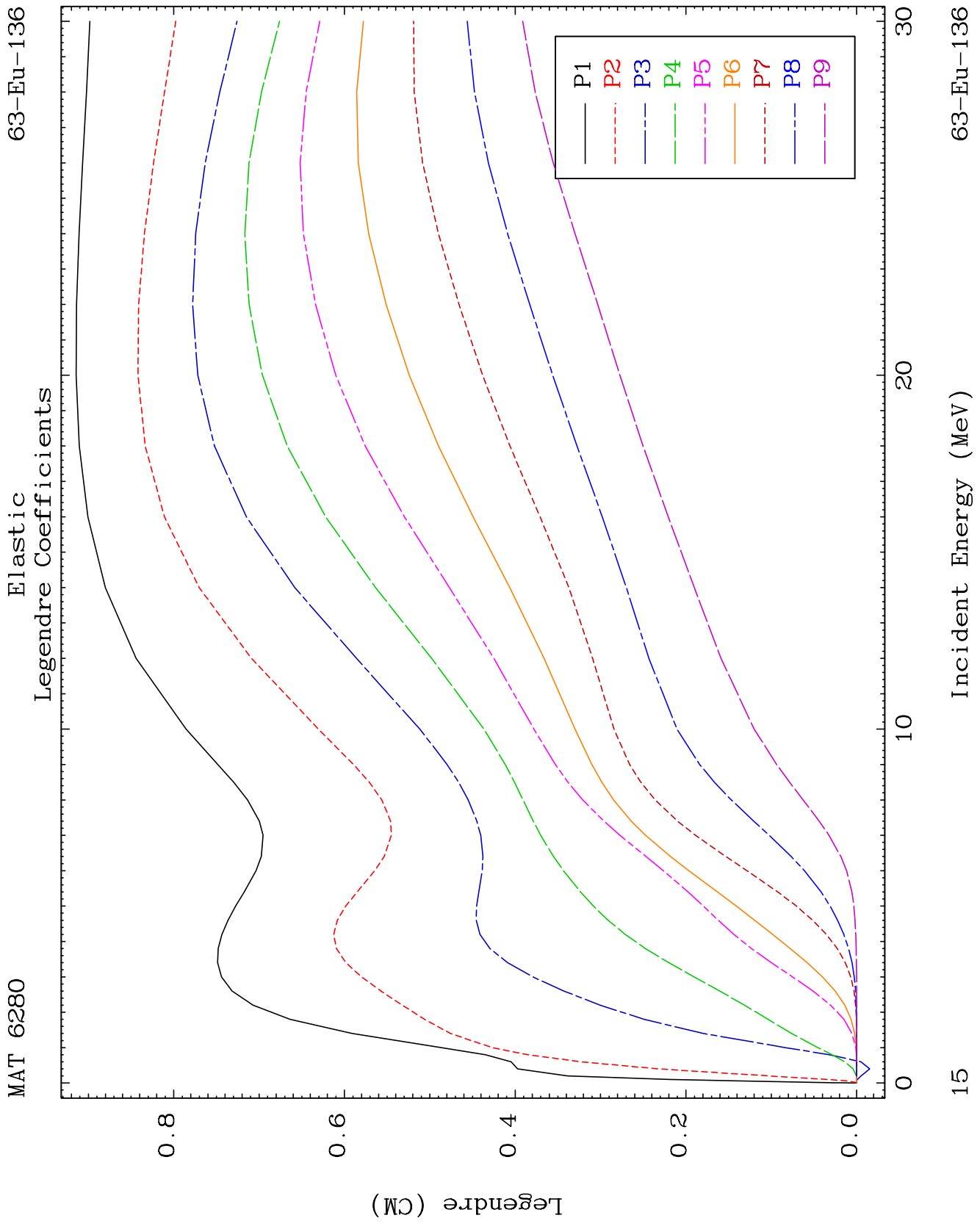
MAT 6280

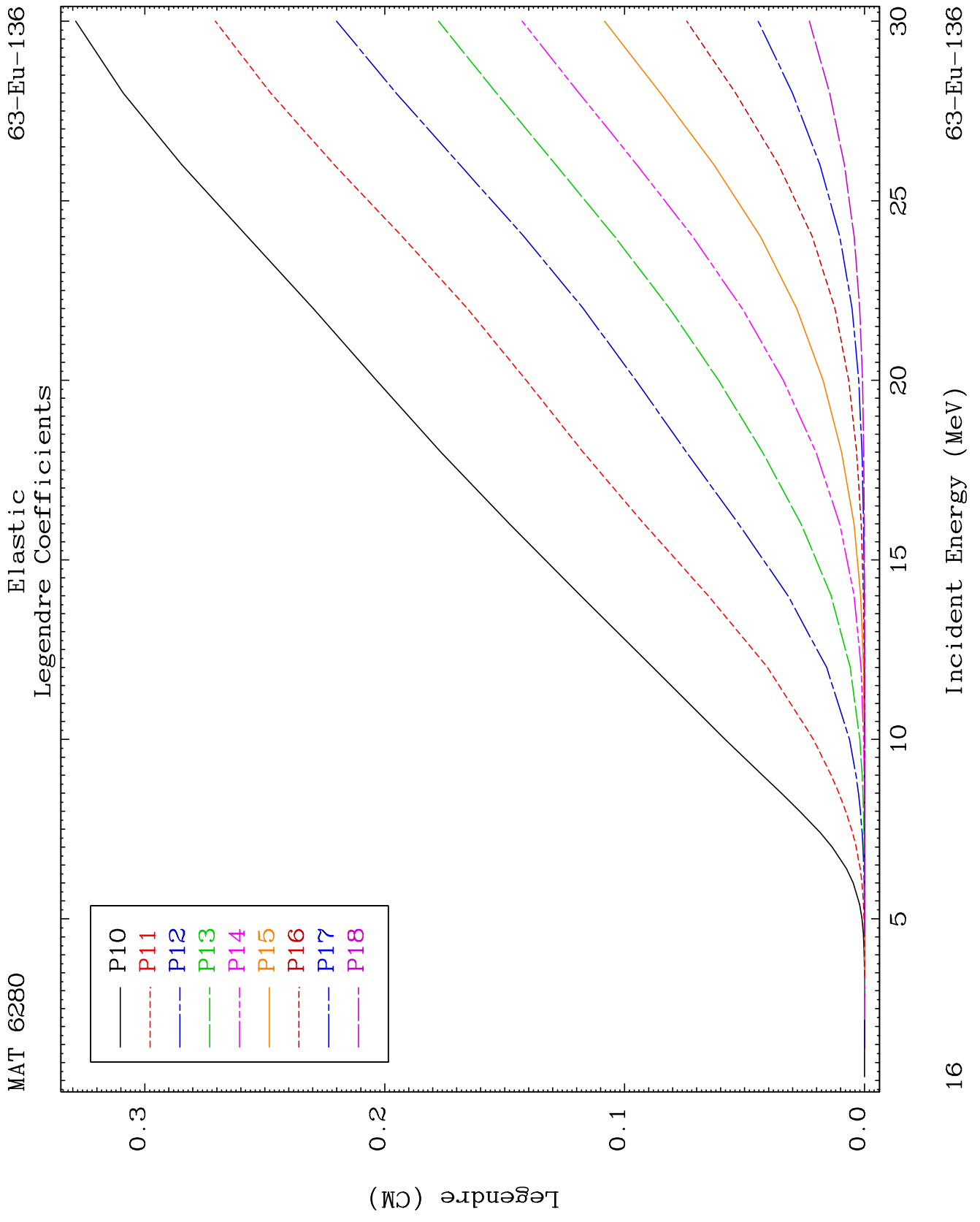
(n,α) Levels
293 Kelvin Cross Sections

63-Eu-136





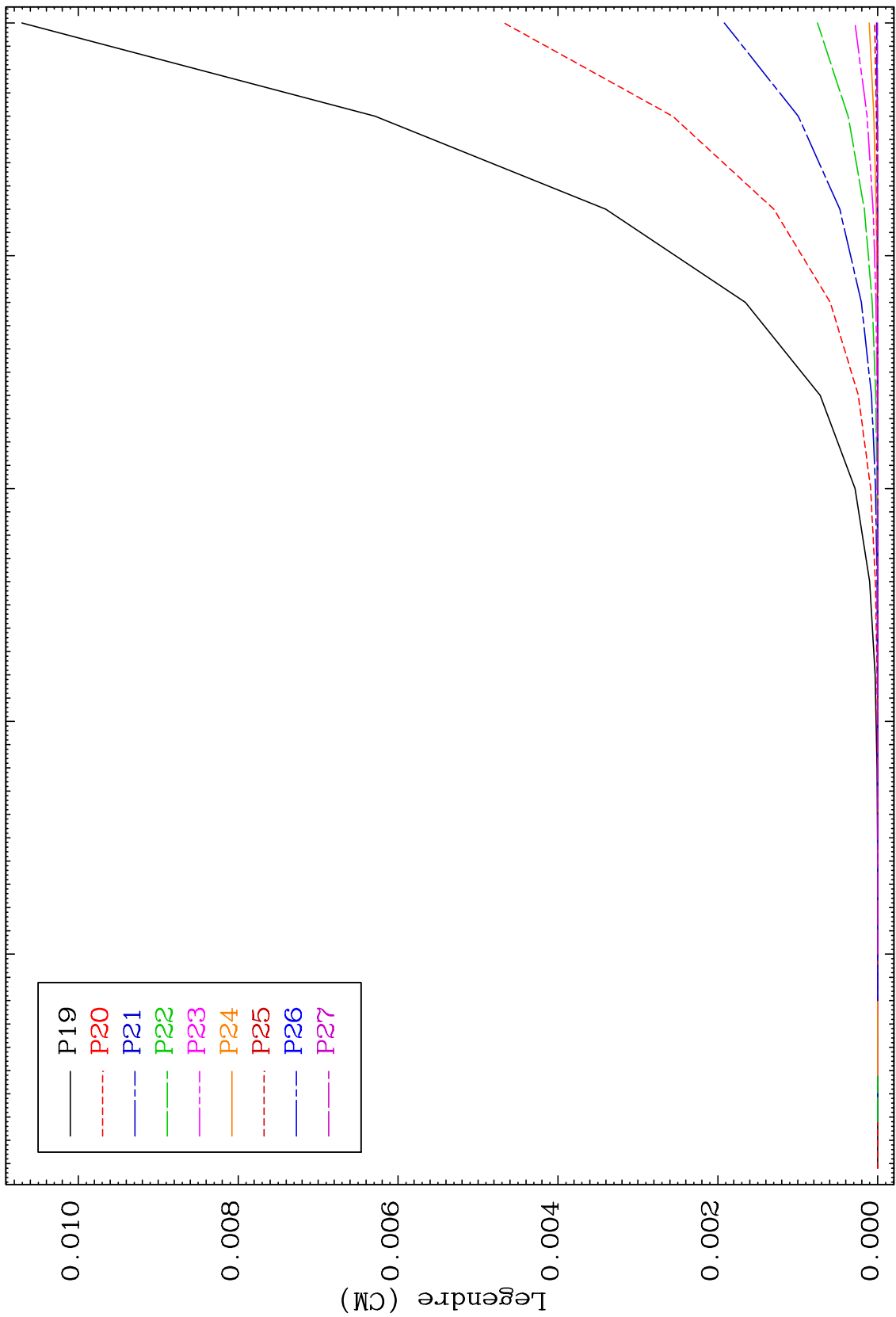




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Elastic Legendre Coefficients

63-Eu-136



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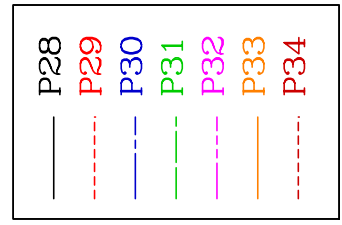
Incident Energy (MeV)

63-Eu-136

MAT 6280

Elastic Legendre Coefficients

63-Eu-136



$\times 10^{-6}$

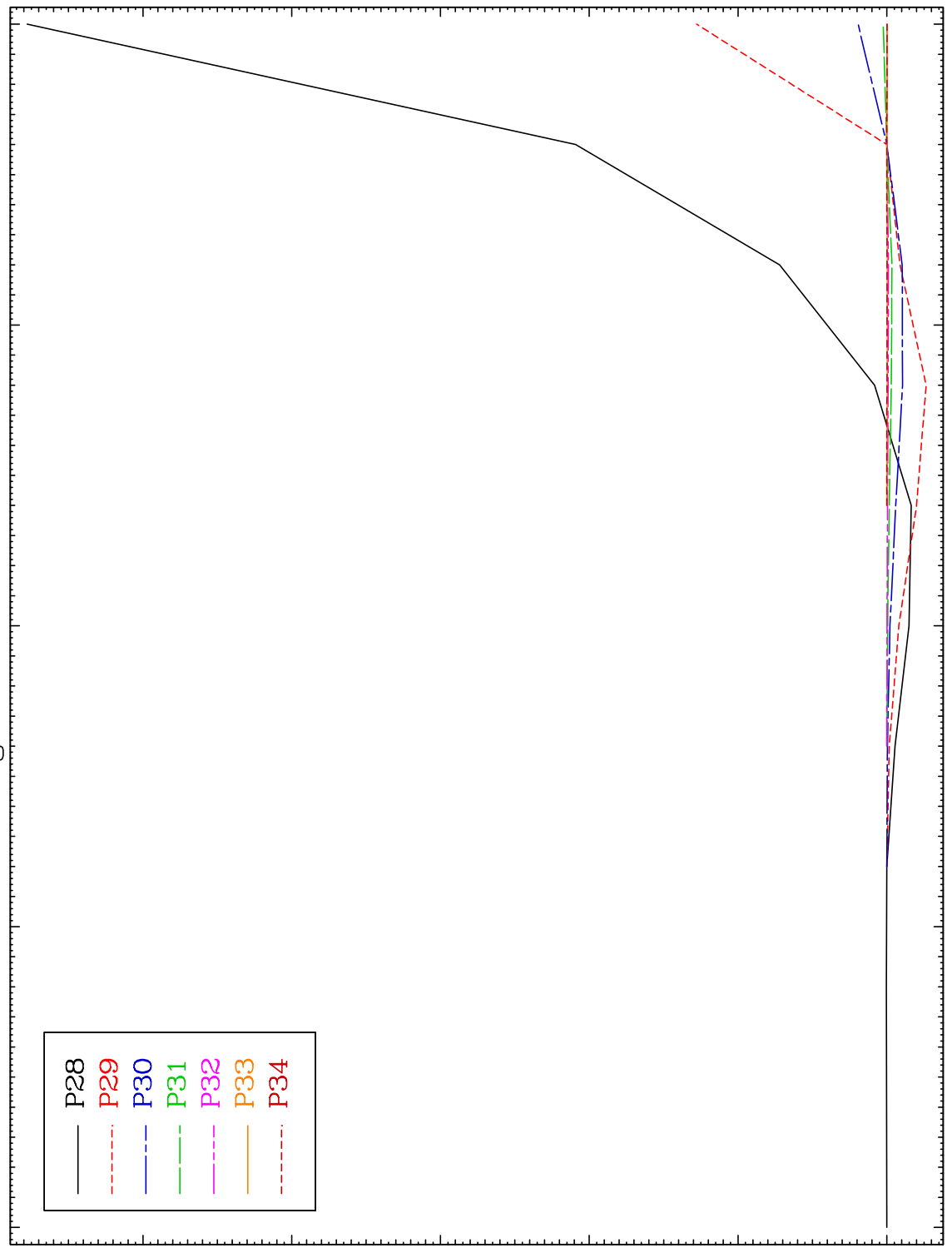
Legendre (CM)

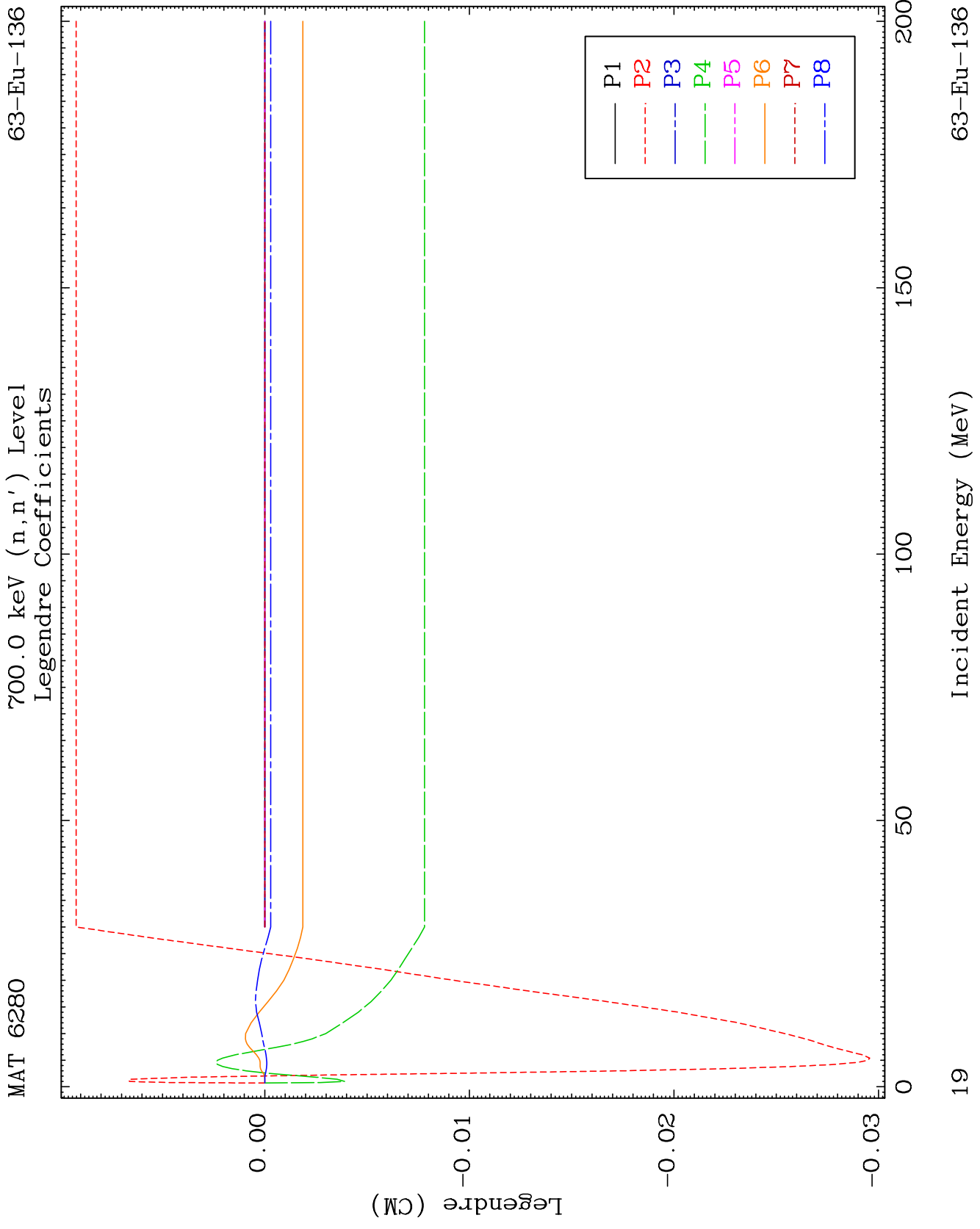
1.0
0.8
0.6
0.4
0.2
0.0

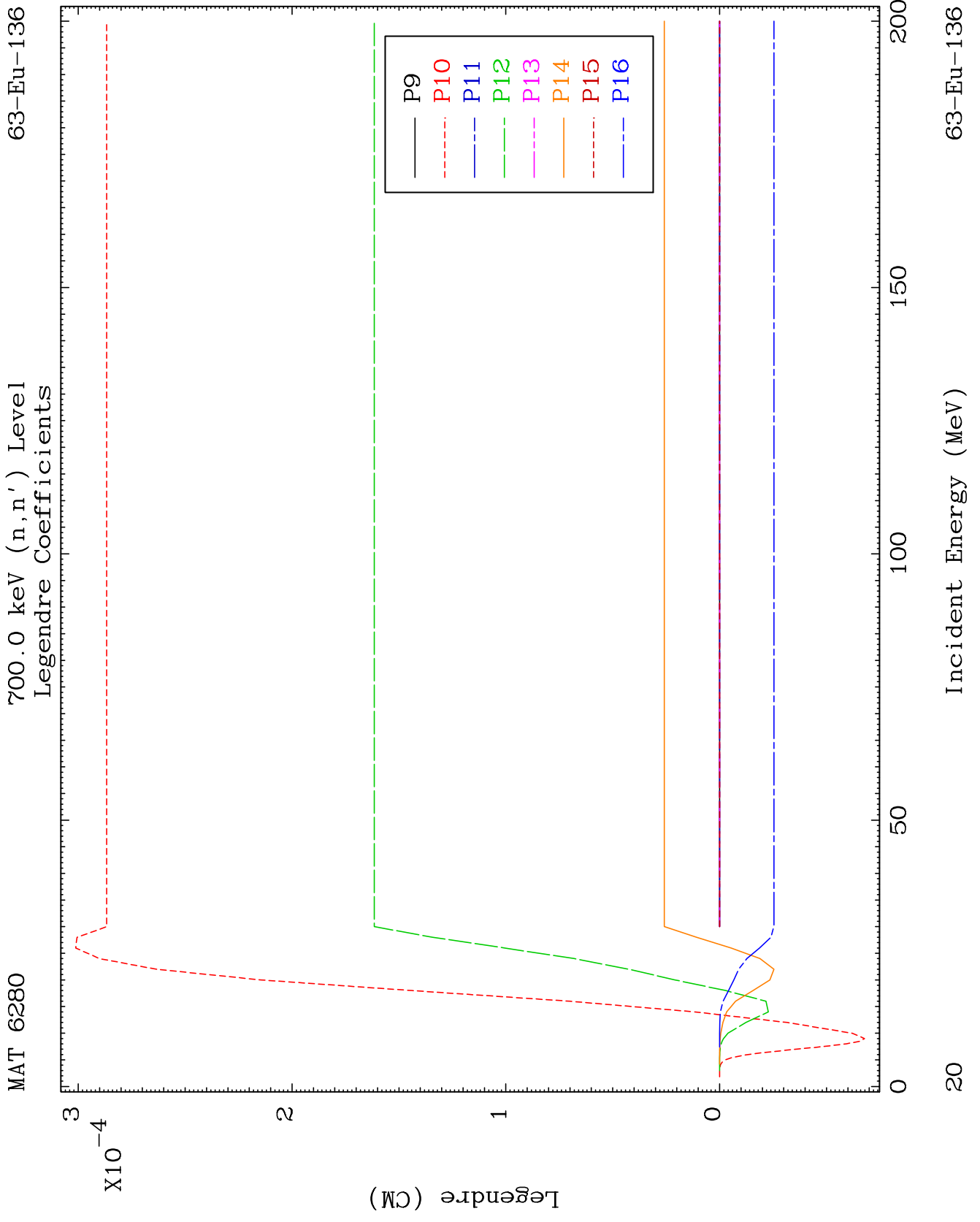
10 15 20 25 30

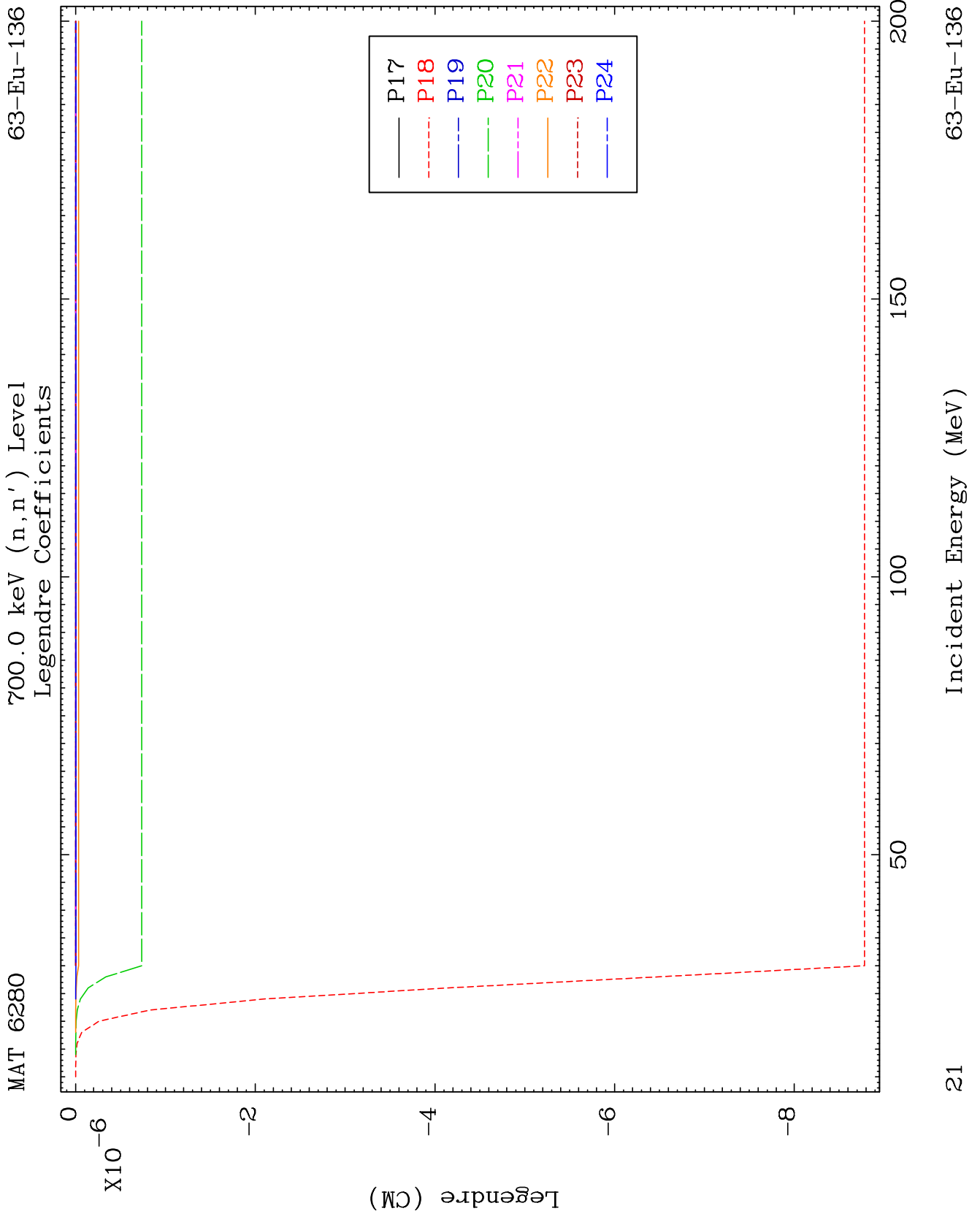
Incident Energy (MeV)

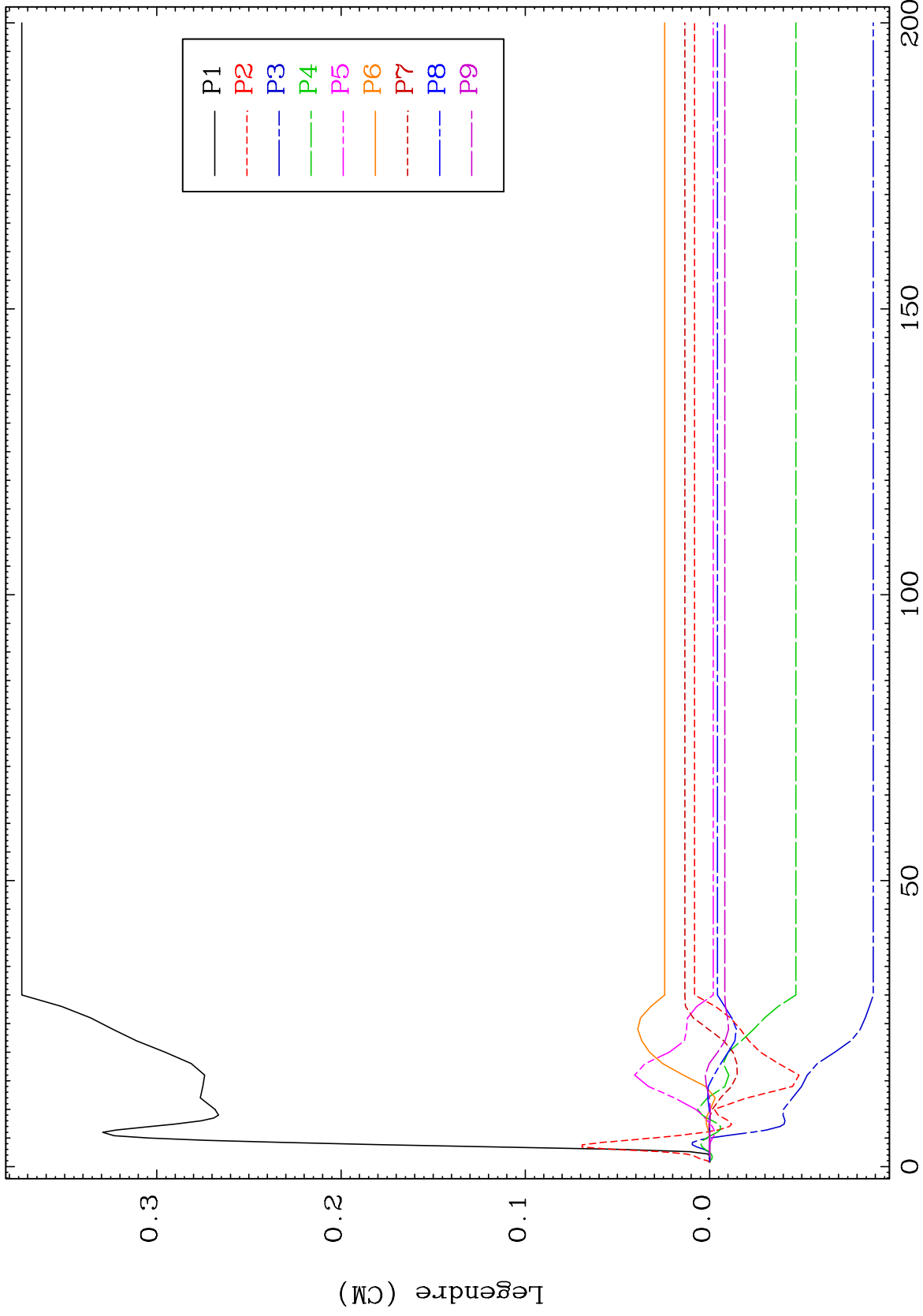
63-Eu-136







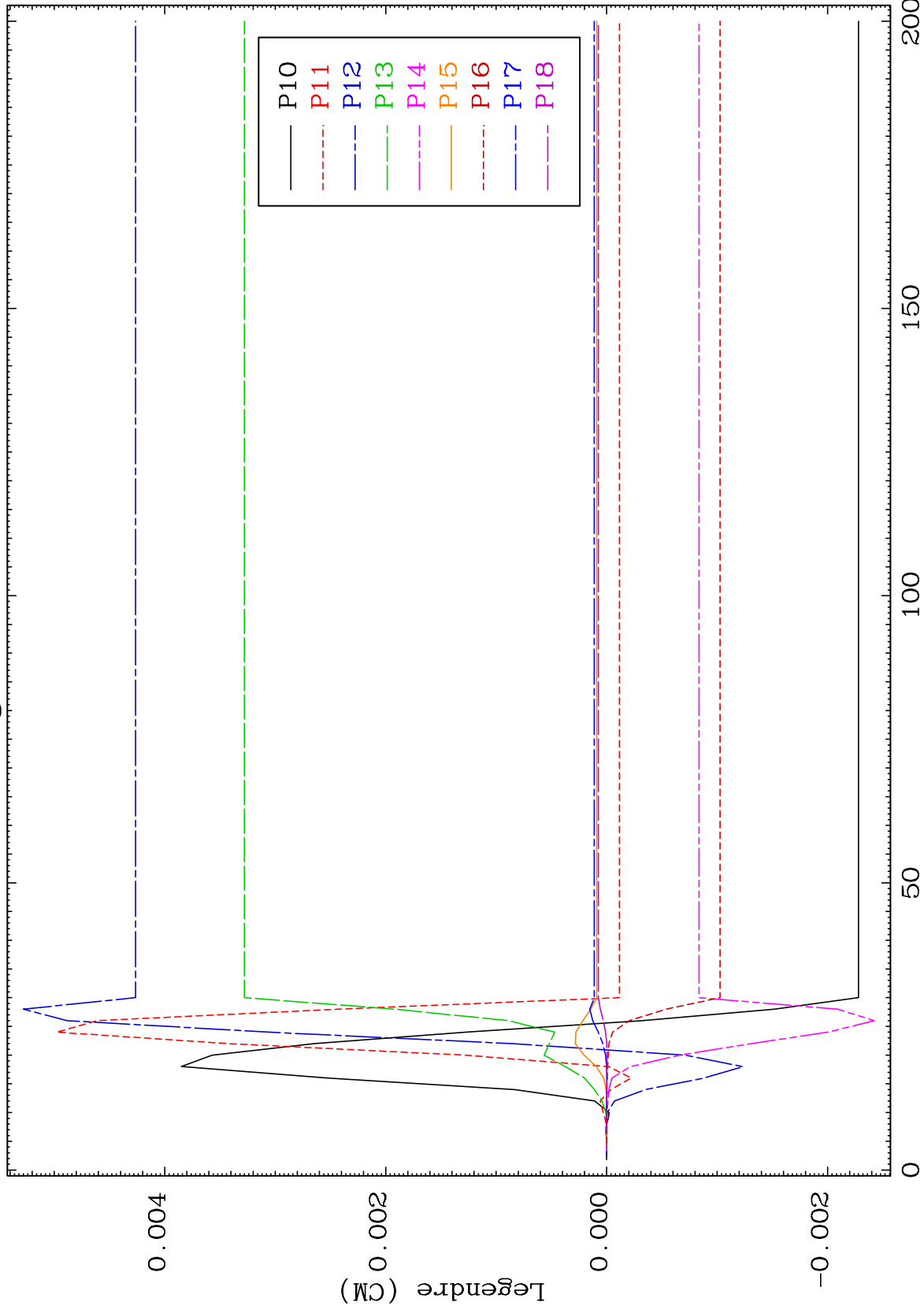




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706.3 keV (n,n') Level
Legendre Coefficients

63-Eu-136



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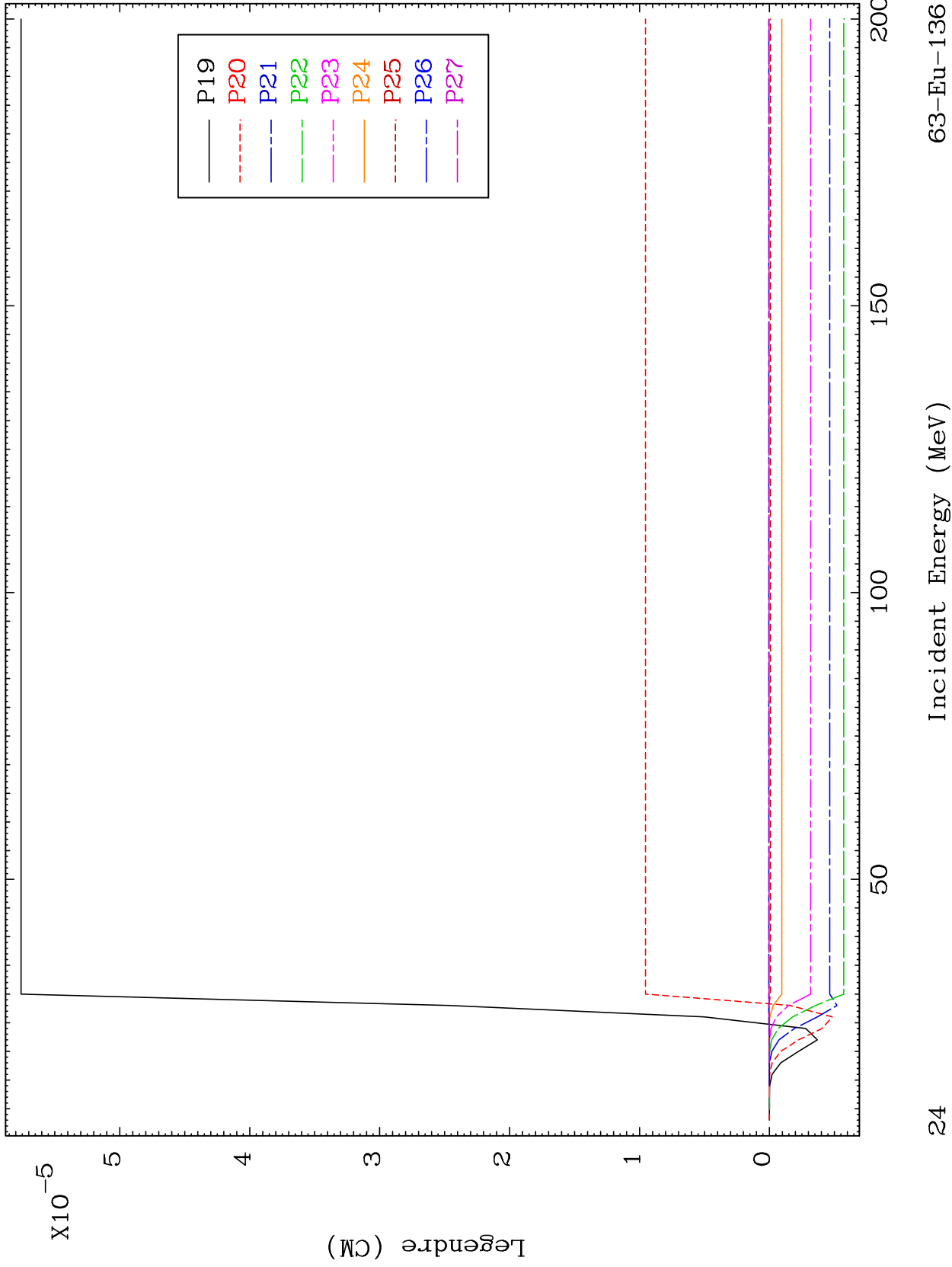
Incident Energy (MeV)

63-Eu-136

MAT 6280

706.3 keV (n,n') Level
Legendre Coefficients

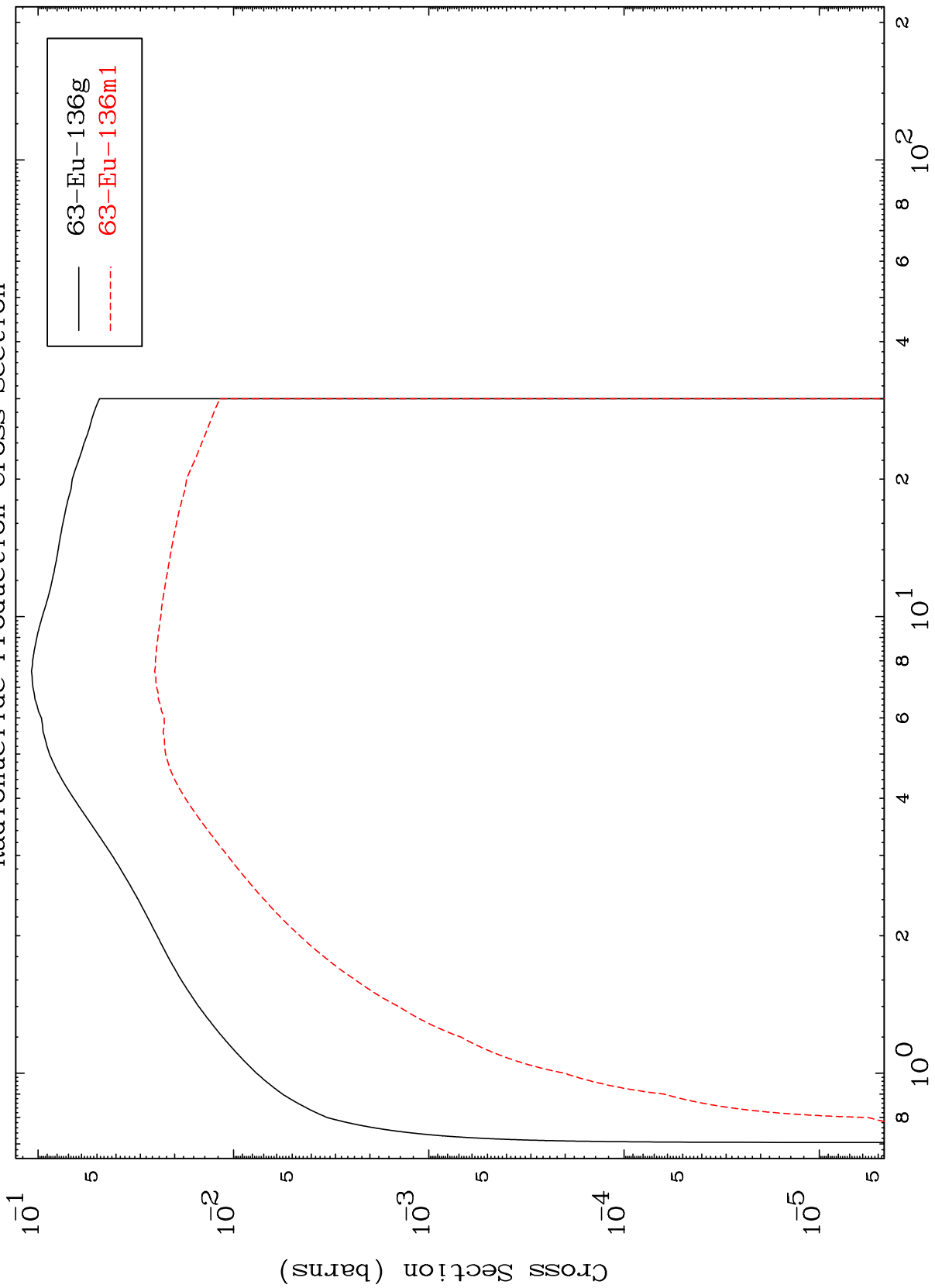
63-Eu-136



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63-Eu-136

Inelastic
Radionuclide Production Cross Section



63-Eu-136g
63-Eu-136m1

26

Incident Energy (MeV)

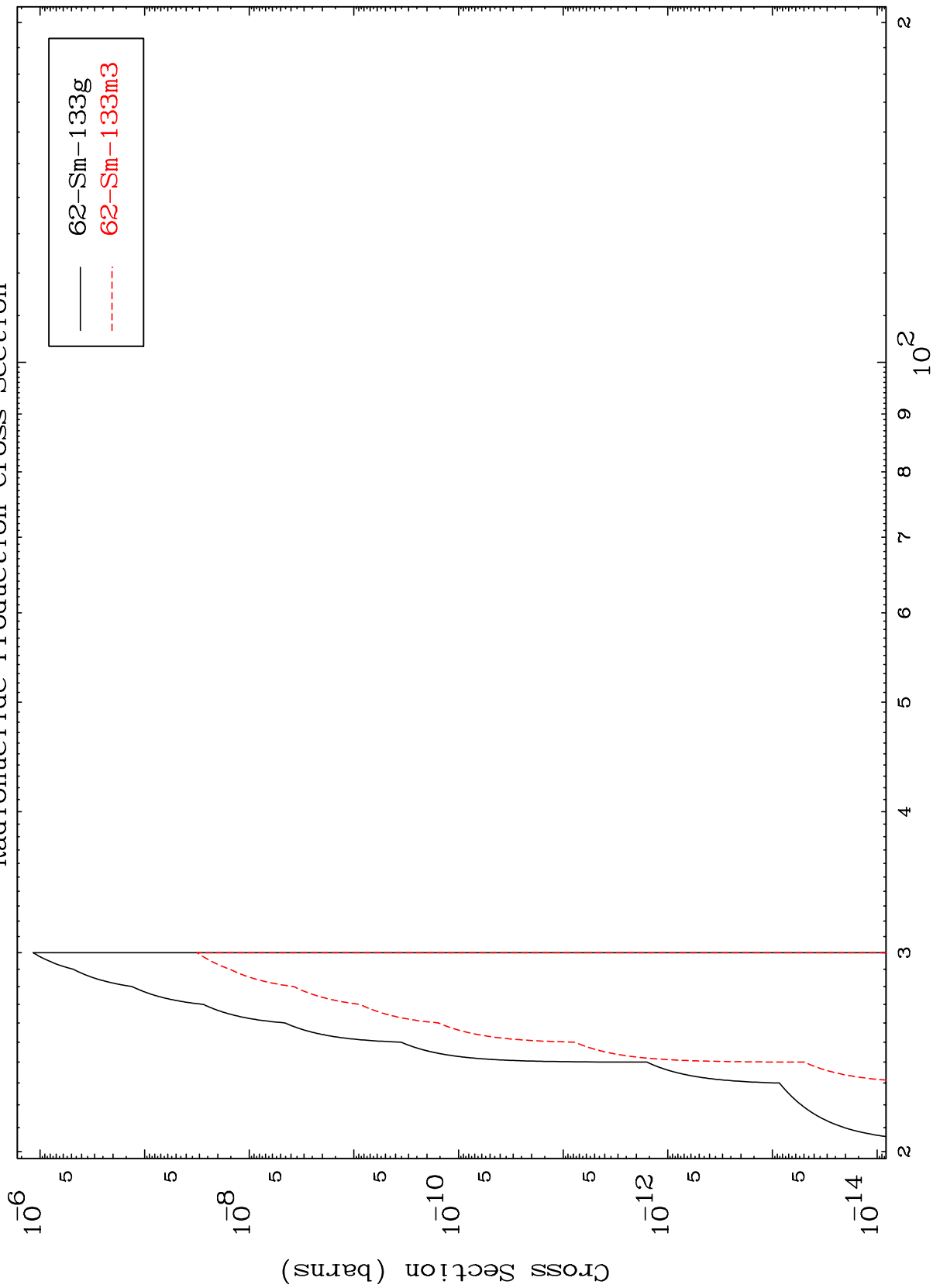
63-Eu-136

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(n,2n) d

63-Eu-136

Radionuclide Production Cross Section



27

Incident Energy (MeV)

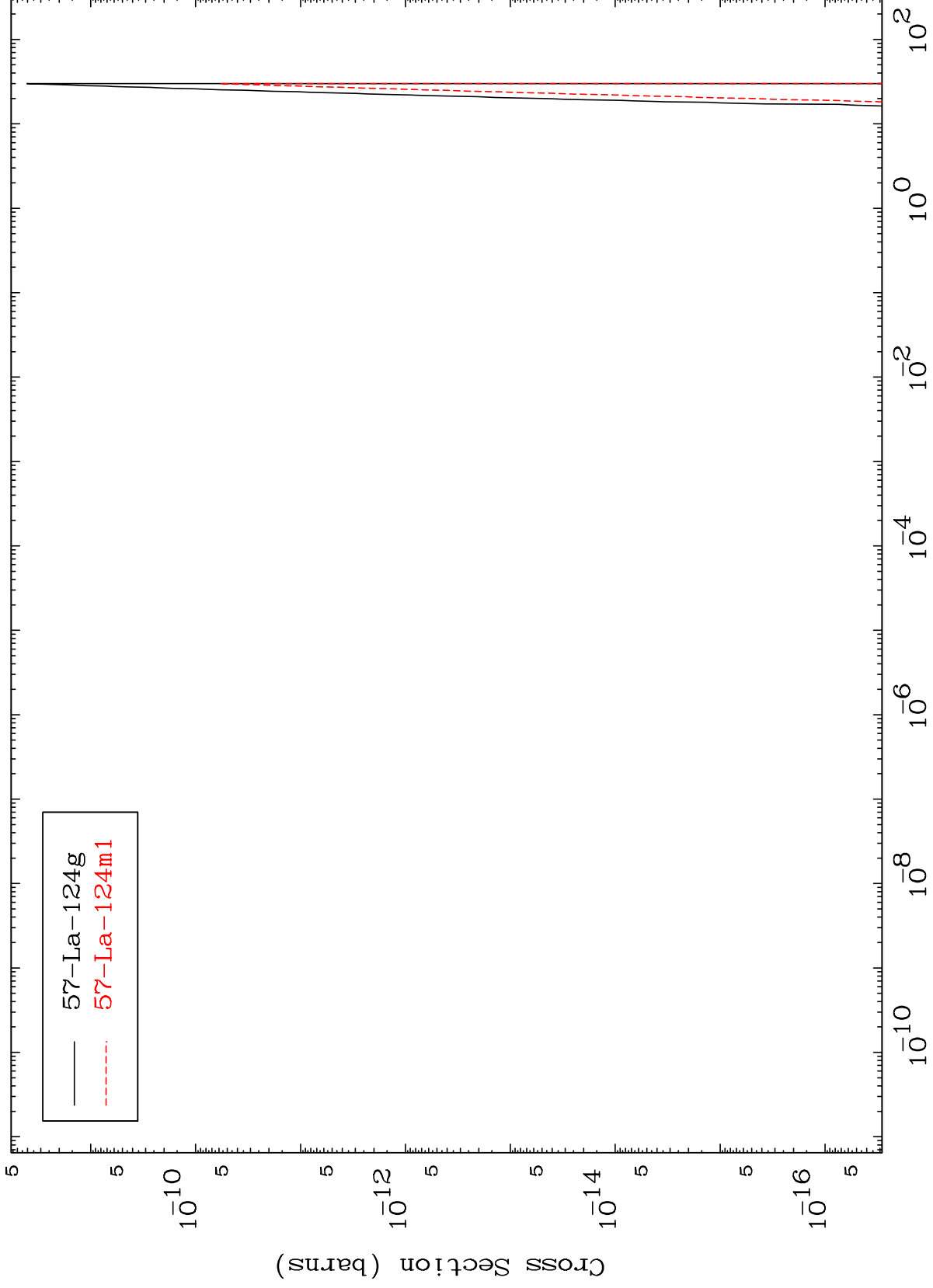
63-Eu-136

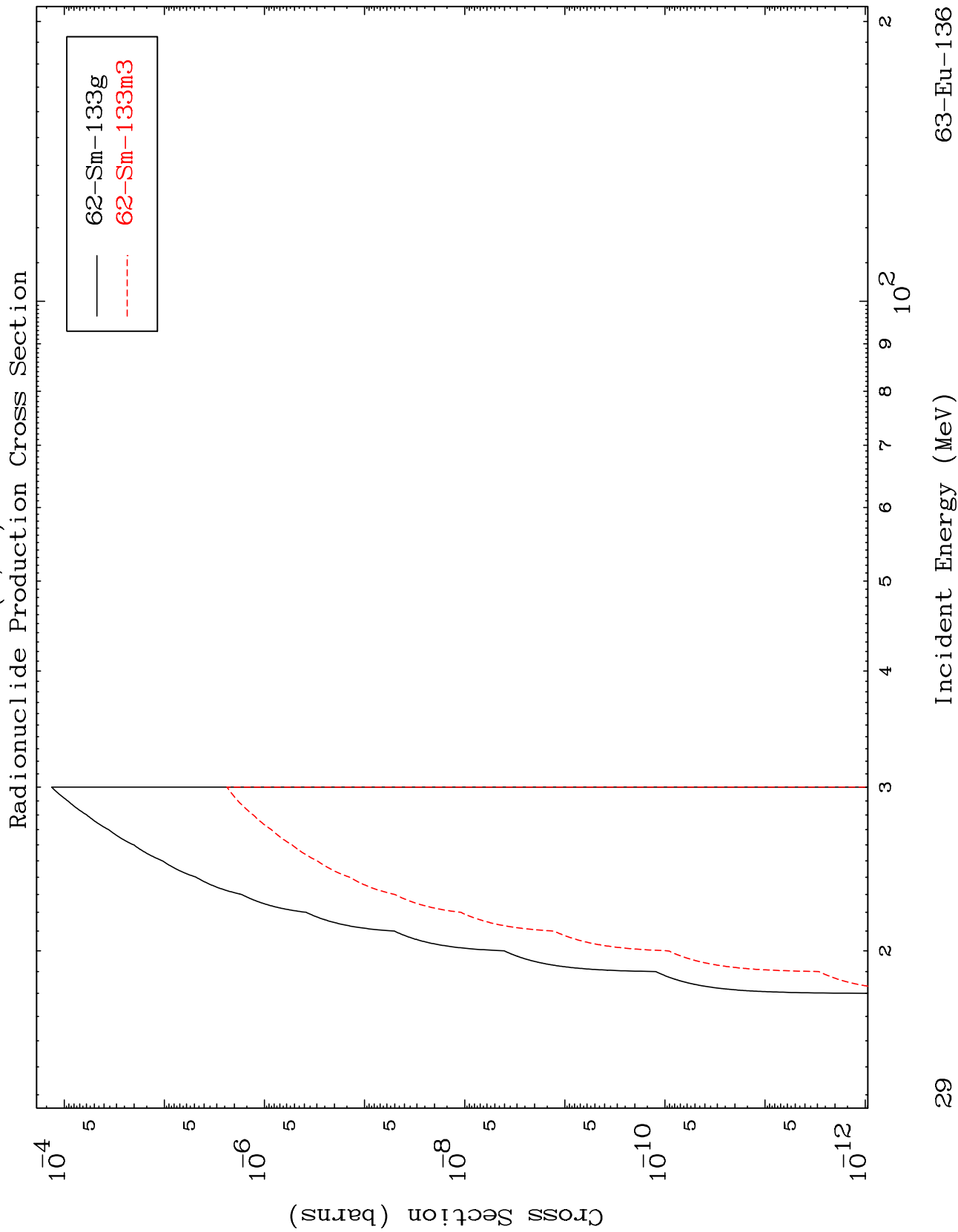
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(n,n') 3 α

63-Eu-136

Radionuclide Production Cross Section



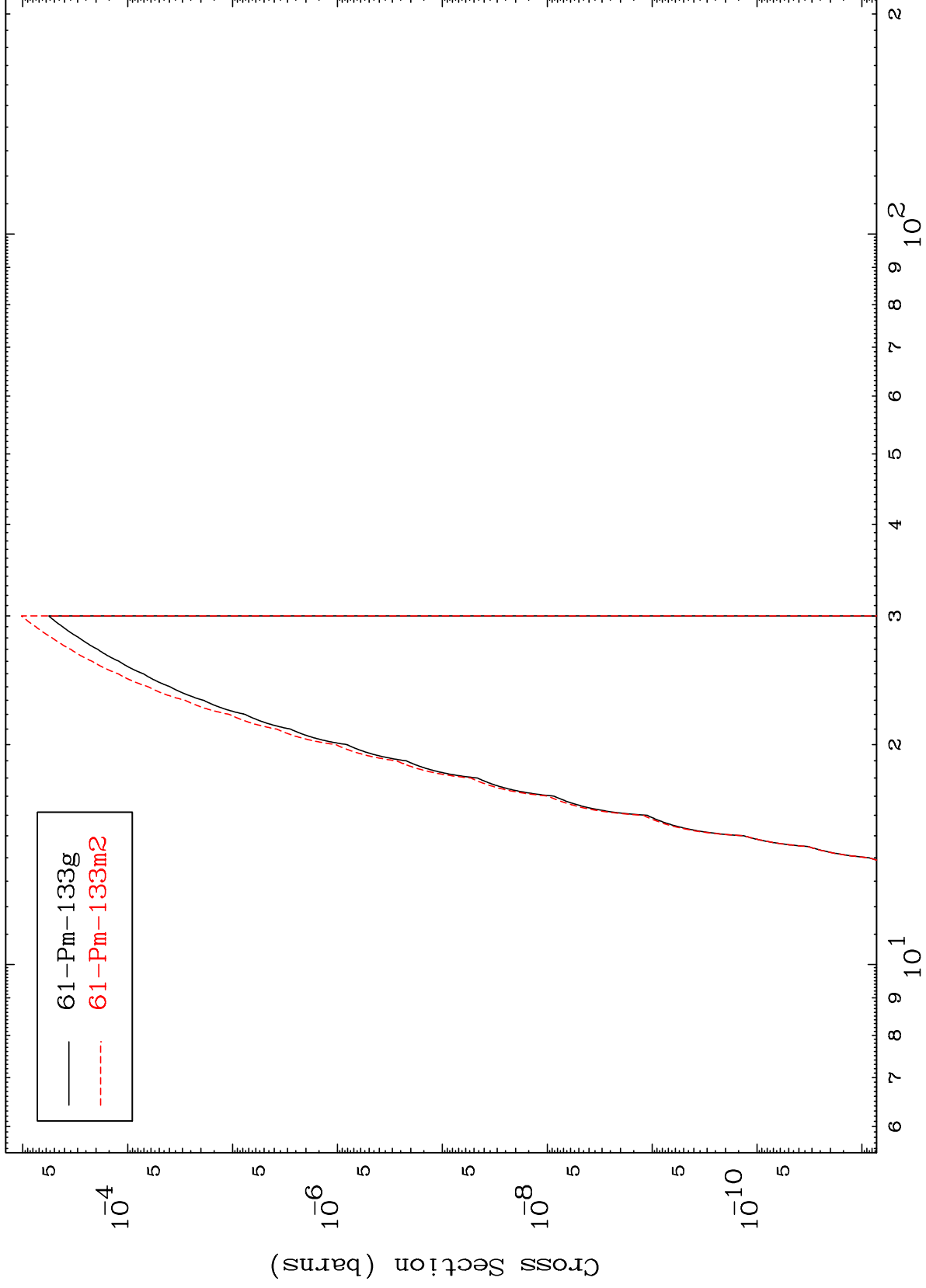


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(n,n') He-3

63-Eu-136

Radionuclide Production Cross Section

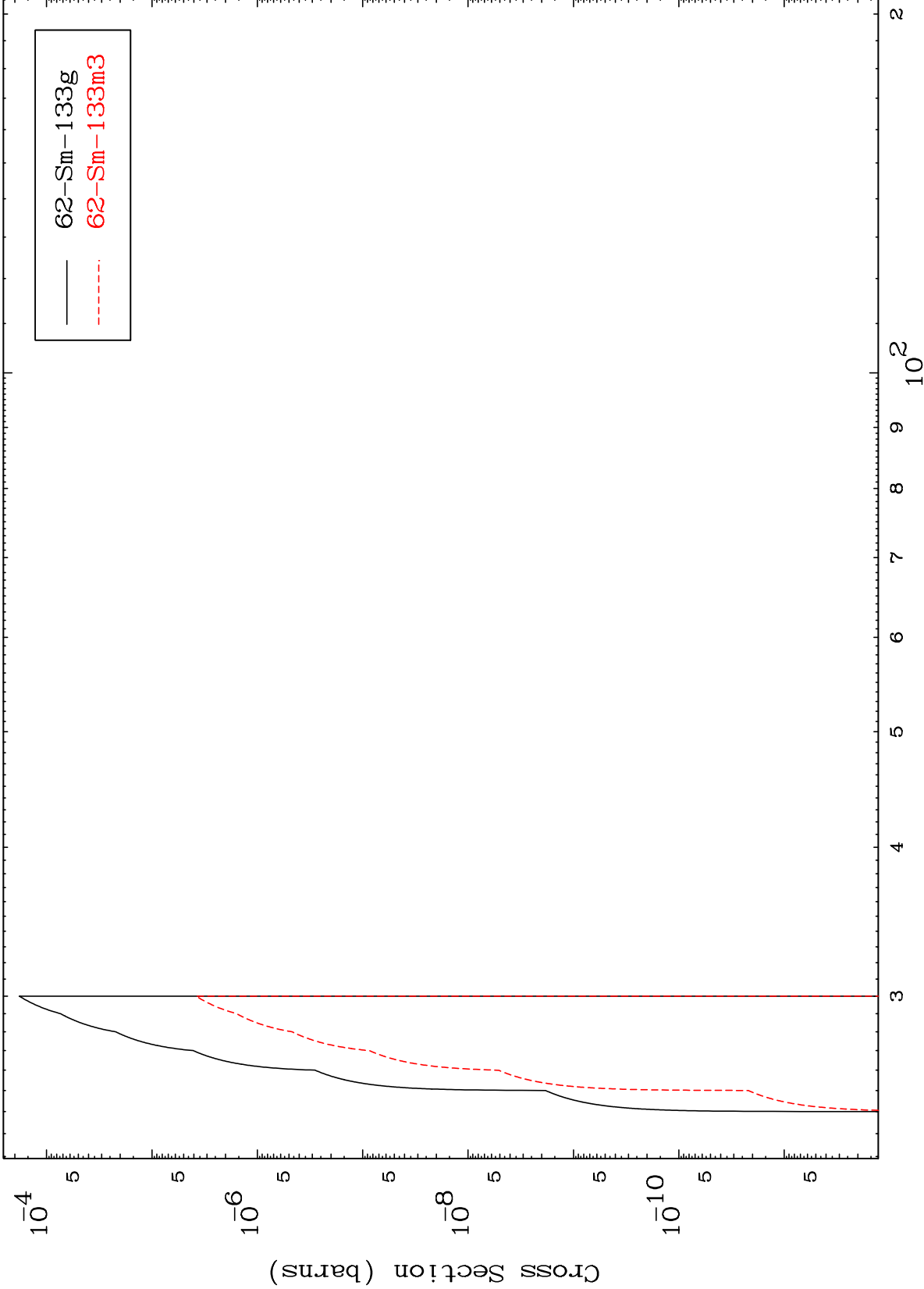


30

Incident Energy (MeV)

63-Eu-136

Radionuclide Production Cross Section



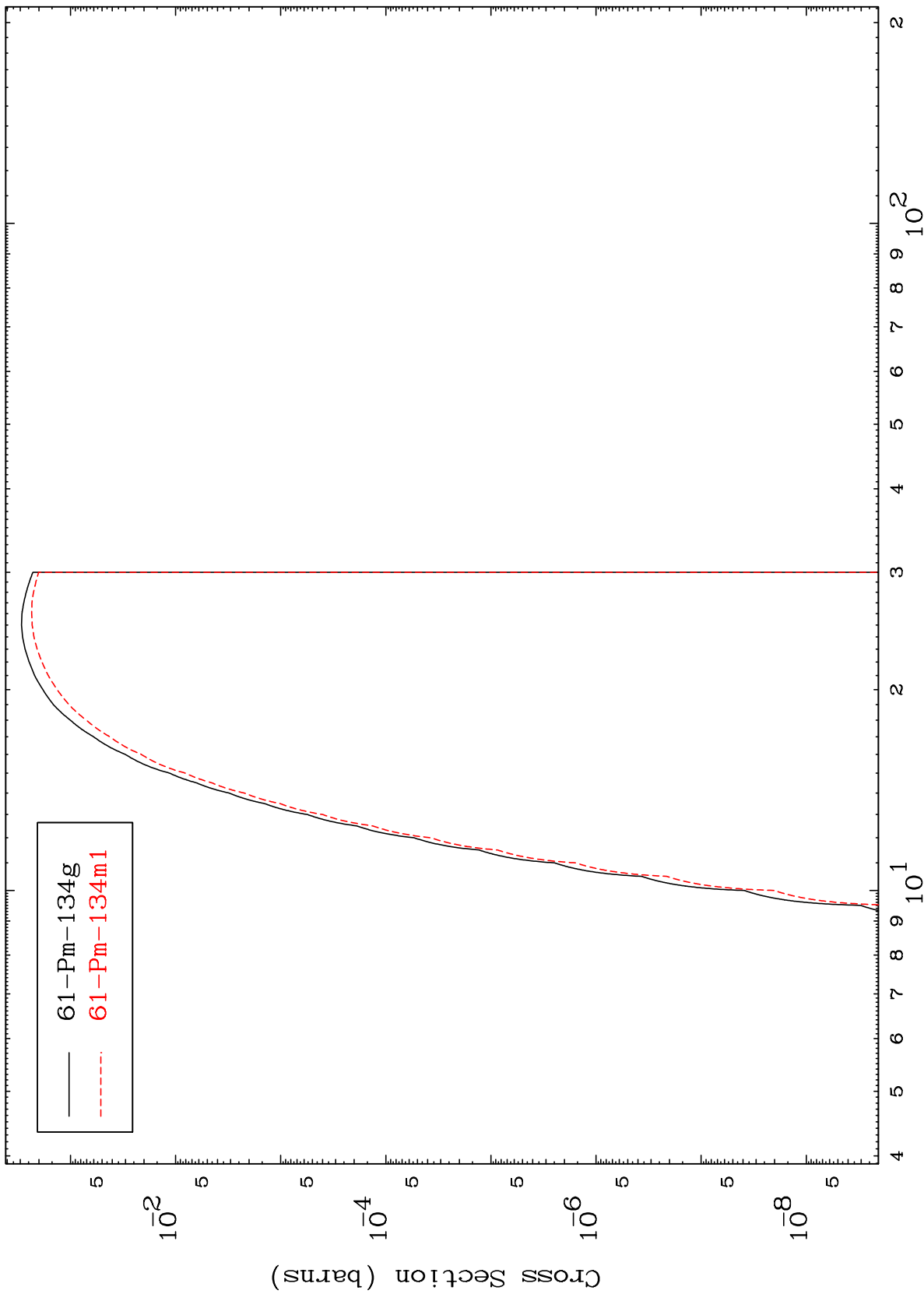
62-Sm-133g
62-Sm-133m3

MAT 6280

(n,2n) p

63-Eu-136

Radionuclide Production Cross Section



61-Pm-134g
61-Pm-134m1

Incident Energy (MeV)

63-Eu-136

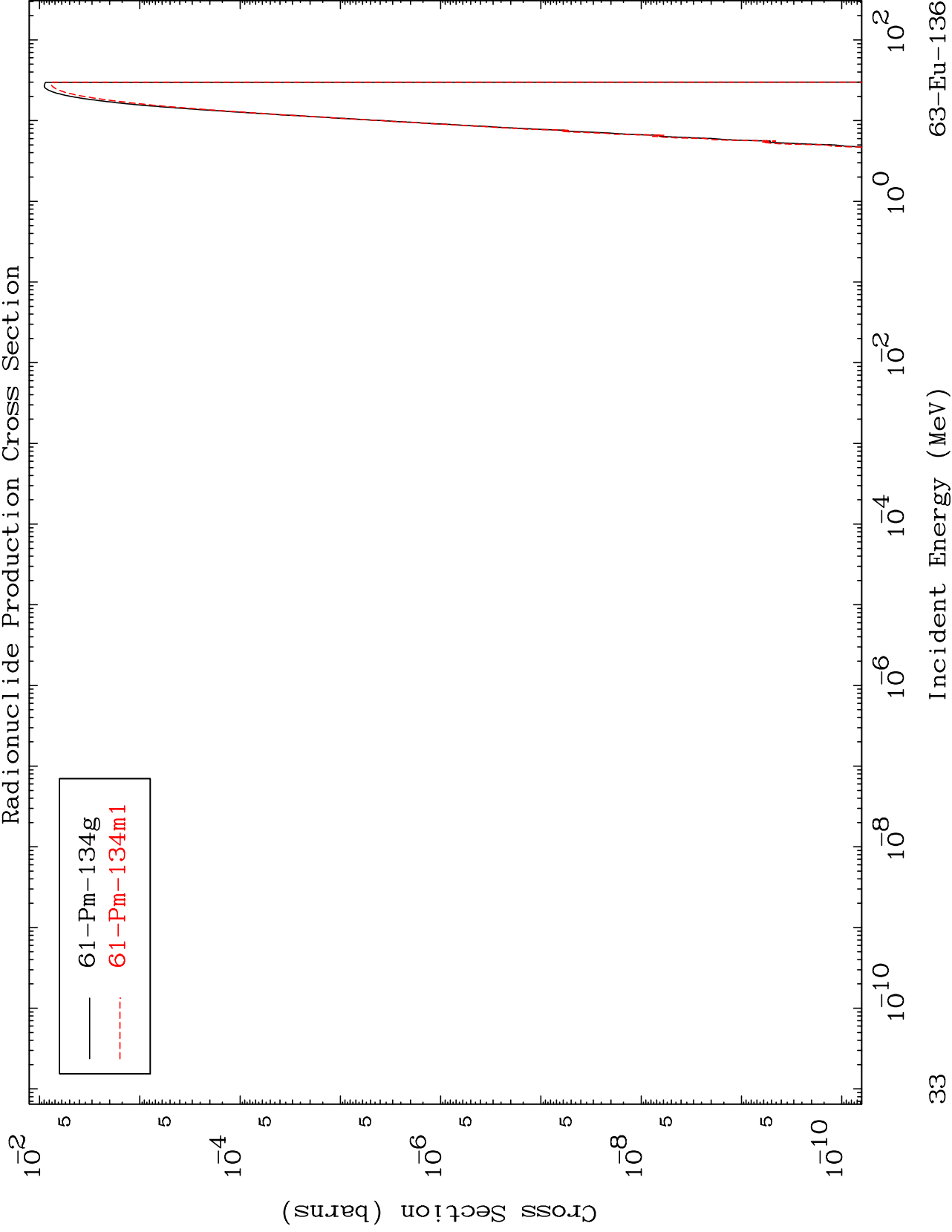
32

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(n,He-3)

63-Eu-136

Radionuclide Production Cross Section



33

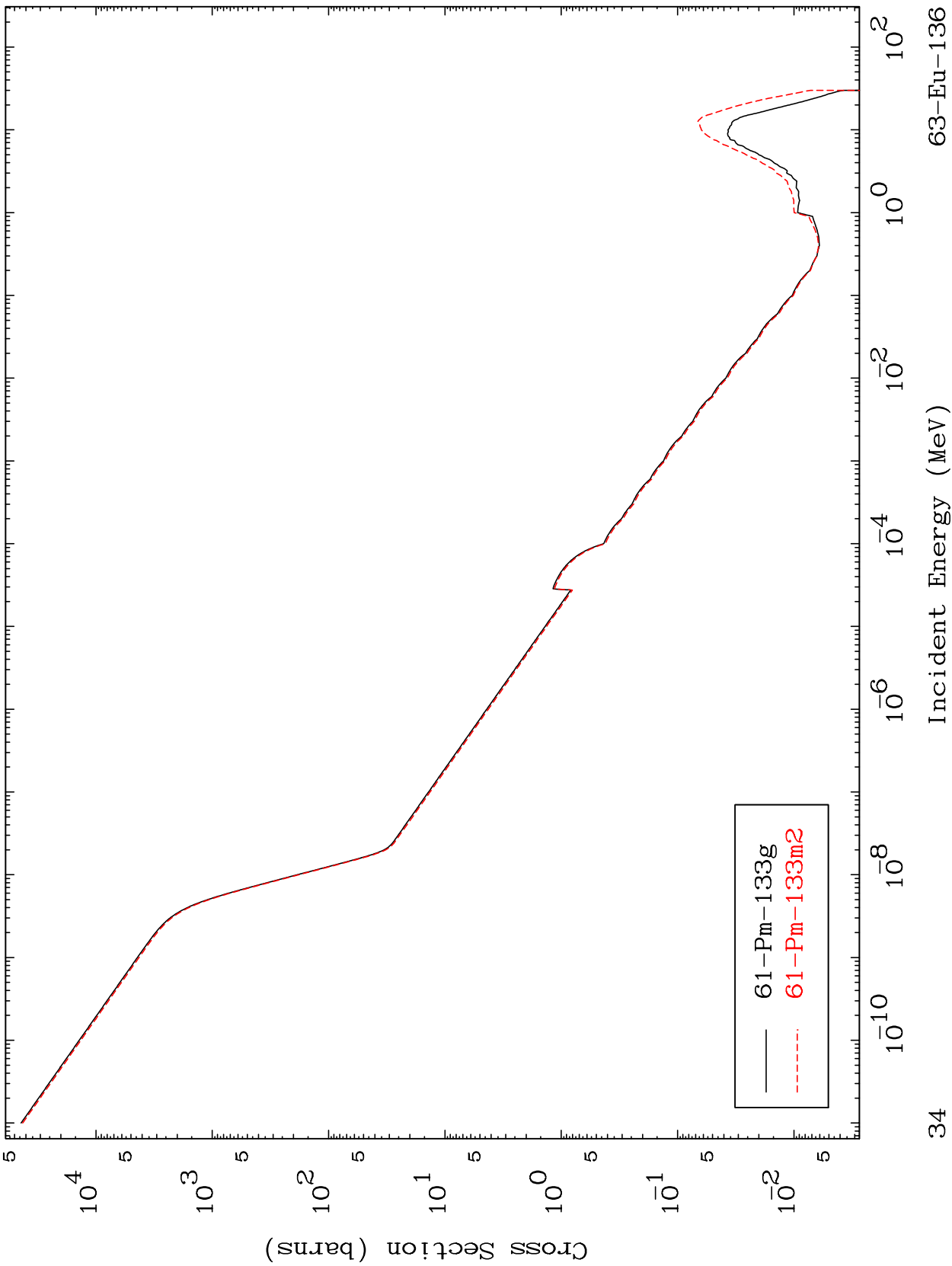
Incident Energy (MeV)

63-Eu-136

MAT 6280

63-Eu-136

Radionuclide Production Cross Section

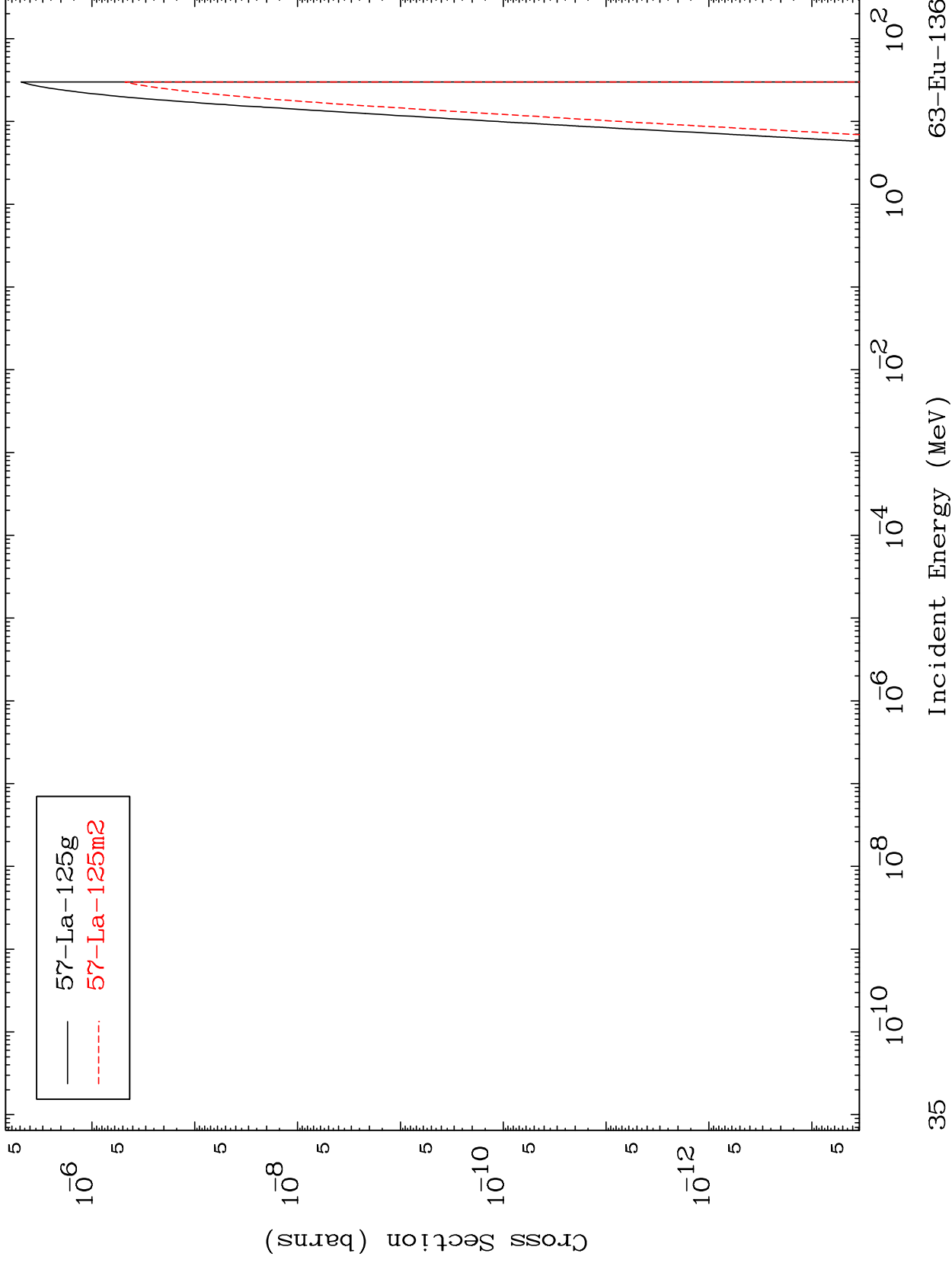


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(n, 3α)

63-Eu-136

Radionuclide Production Cross Section



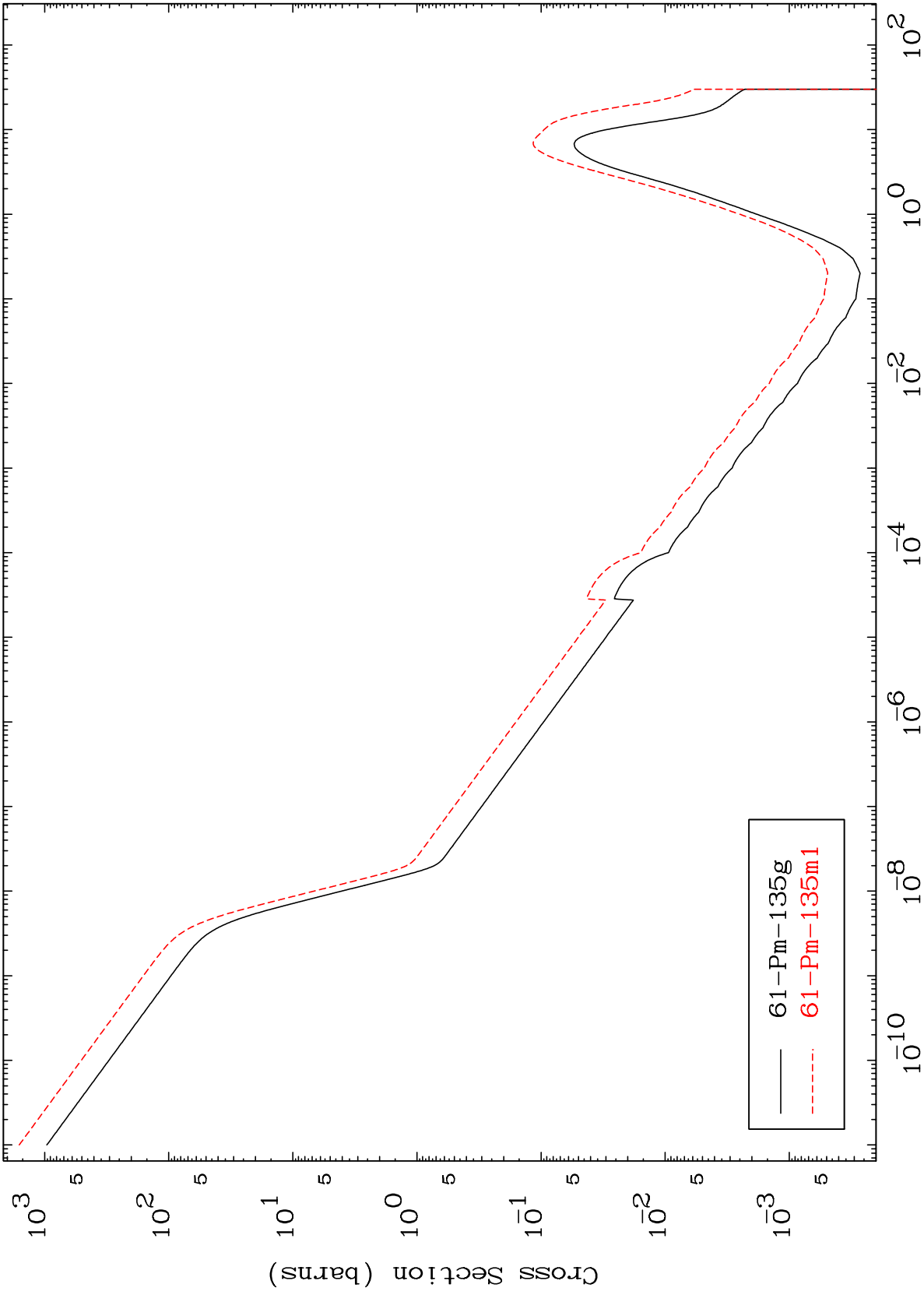
35

MAT 6280

(n,2p)

63-Eu-136

Radionuclide Production Cross Section



36

Incident Energy (MeV)

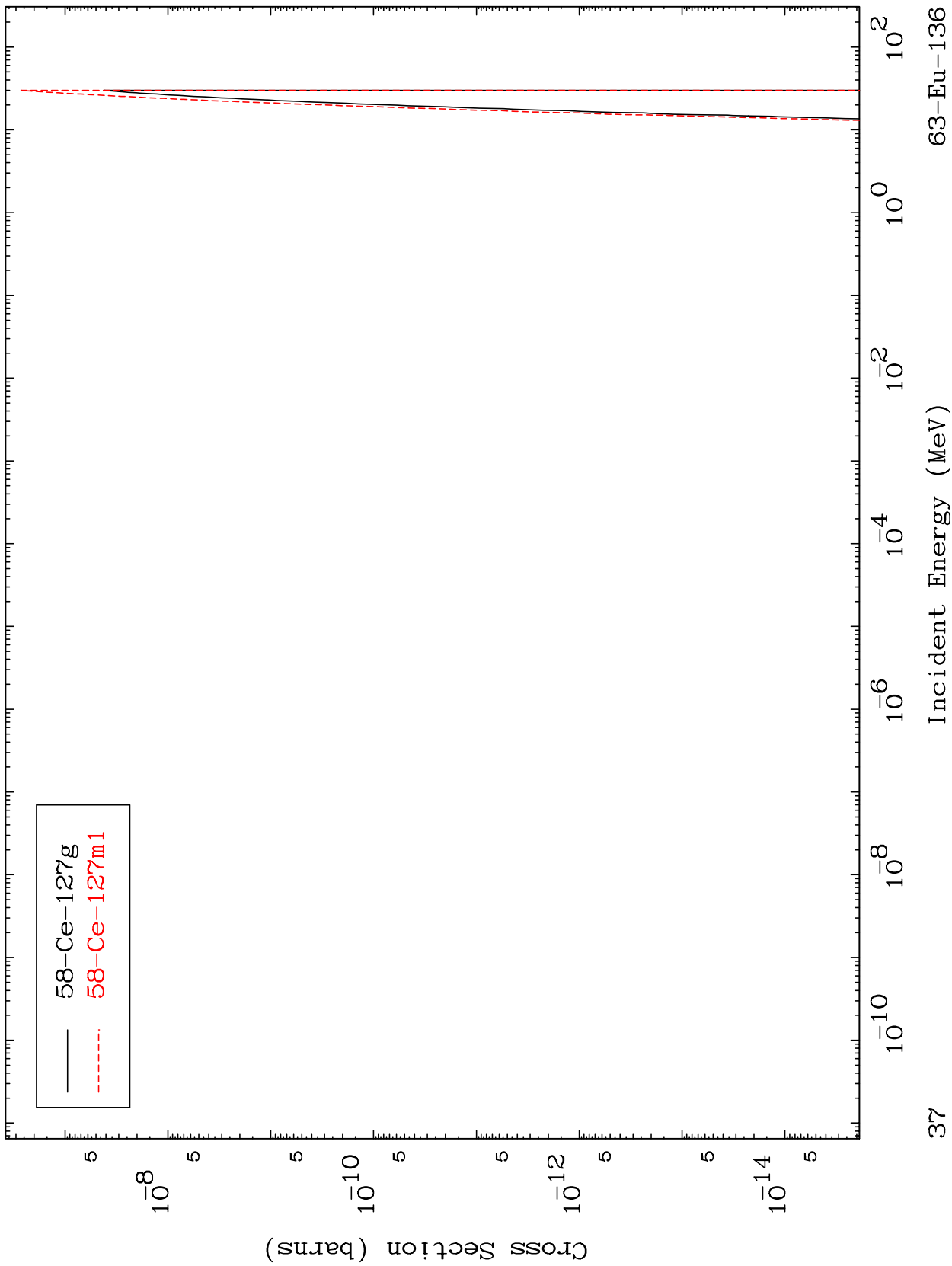
63-Eu-136

MAT 6280

(n,d) 2 α

63-Eu-136

Radionuclide Production Cross Section

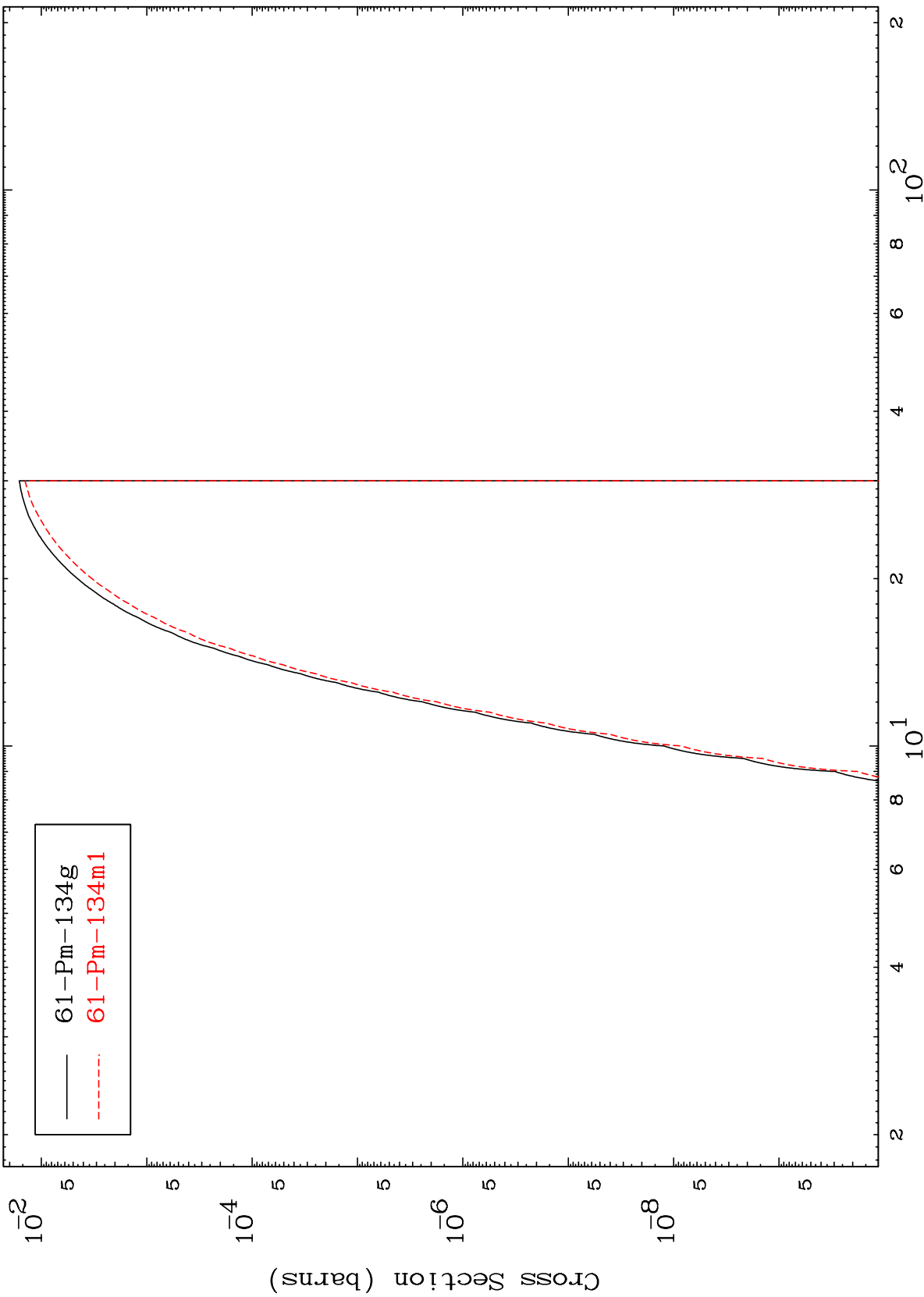


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(n,p) d

63-Eu-136

Radionuclide Production Cross Section



38

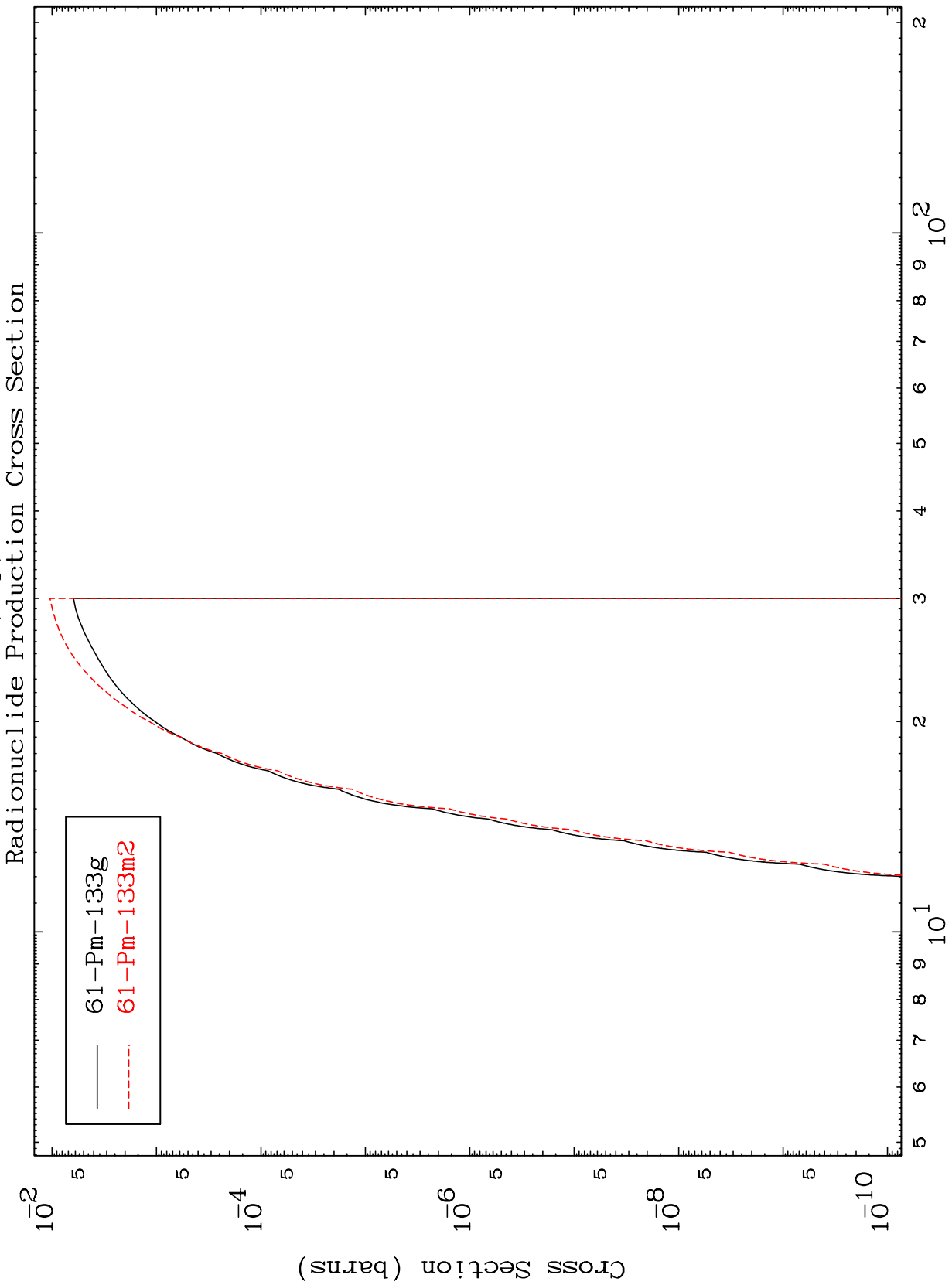
Incident Energy (MeV)

63-Eu-136

MAT 6280

(n,p) t

63-Eu-136



39

Incident Energy (MeV)

63-Eu-136