

Program EVALPLOT
(Version 2018-1)

by

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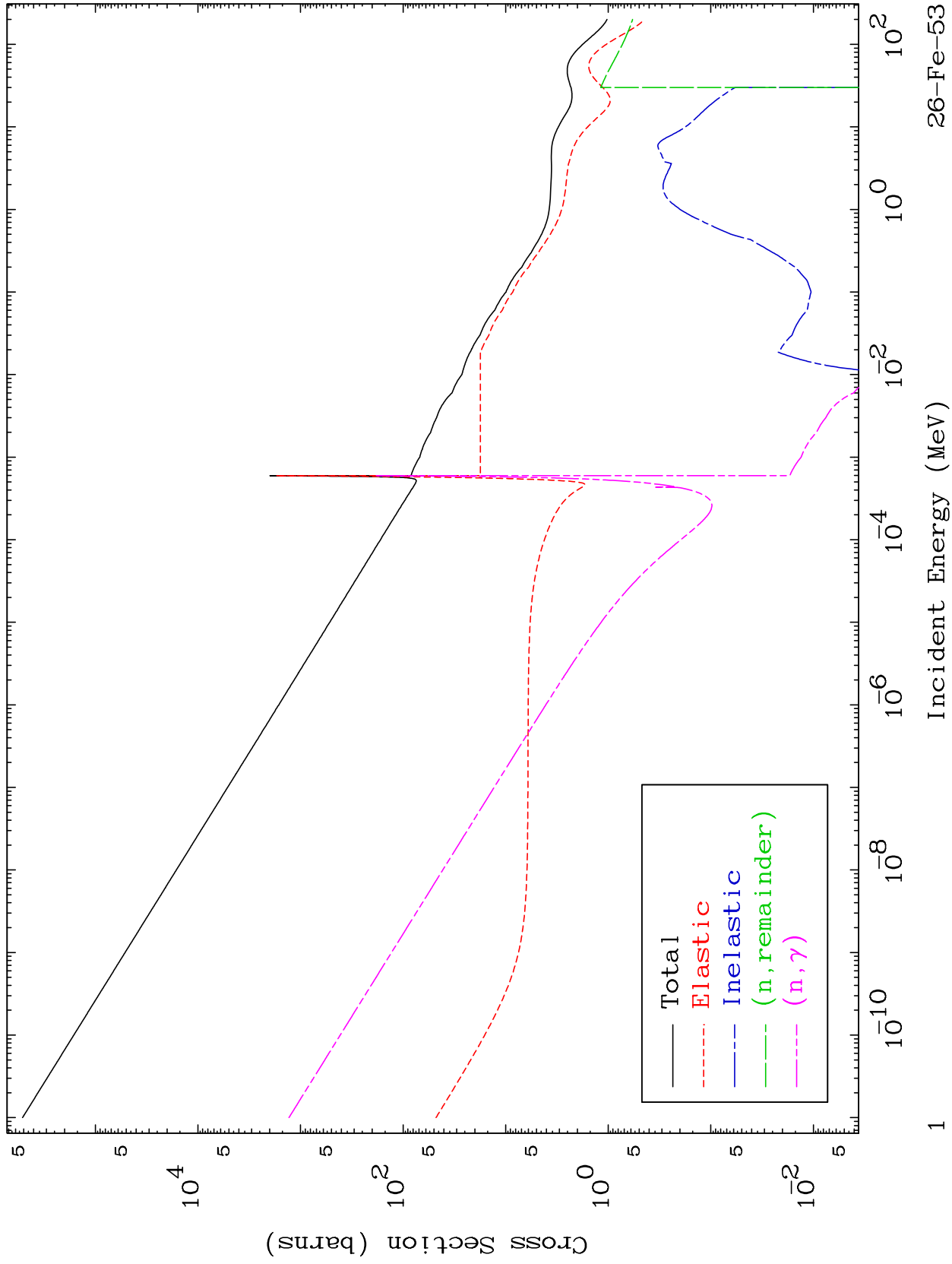
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2623

Major
293 Kelvin Cross Sections

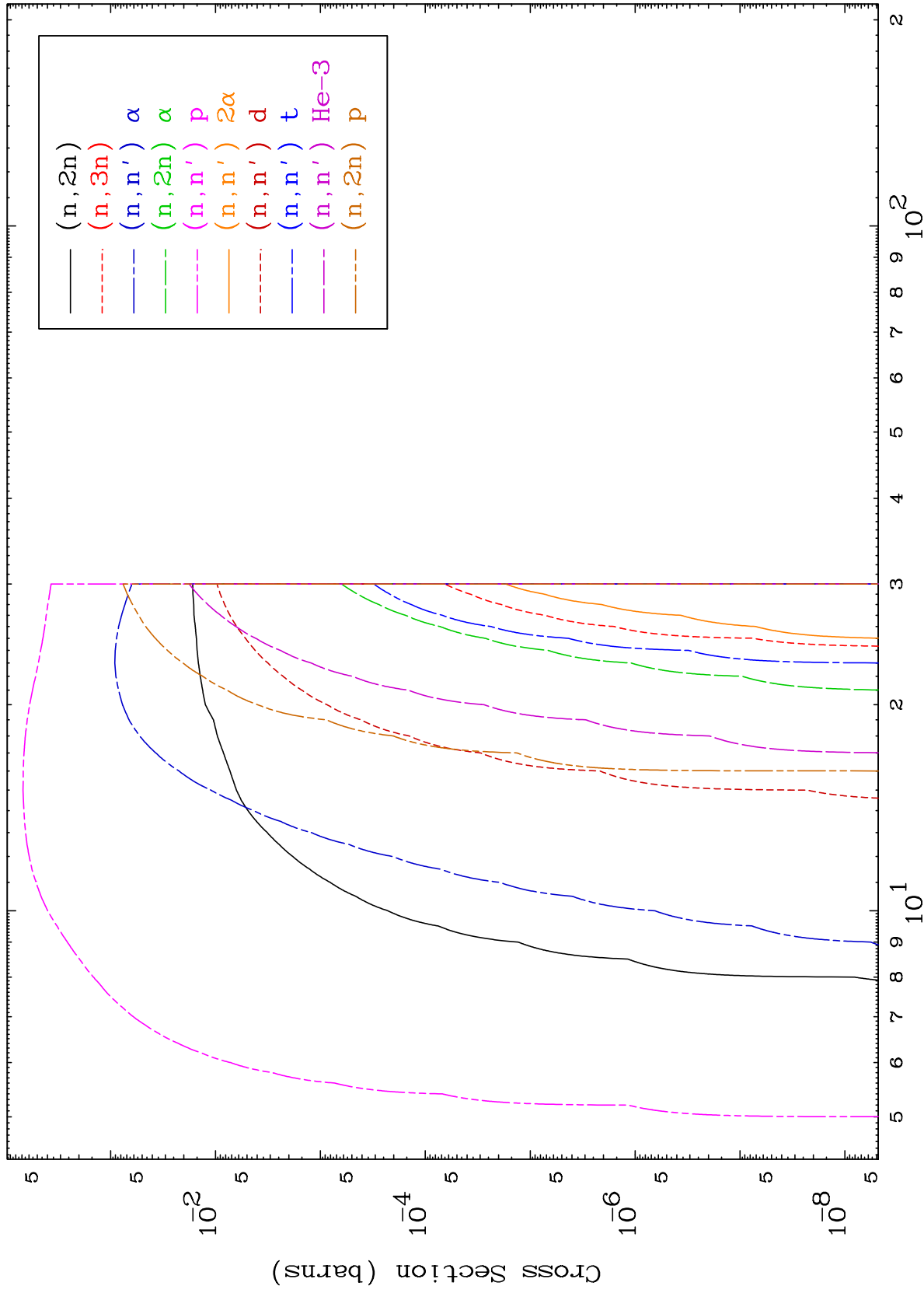
26-Fe-53



MAT 2623

Neutron Production
293 Kelvin Cross Sections

26-Fe-53



2

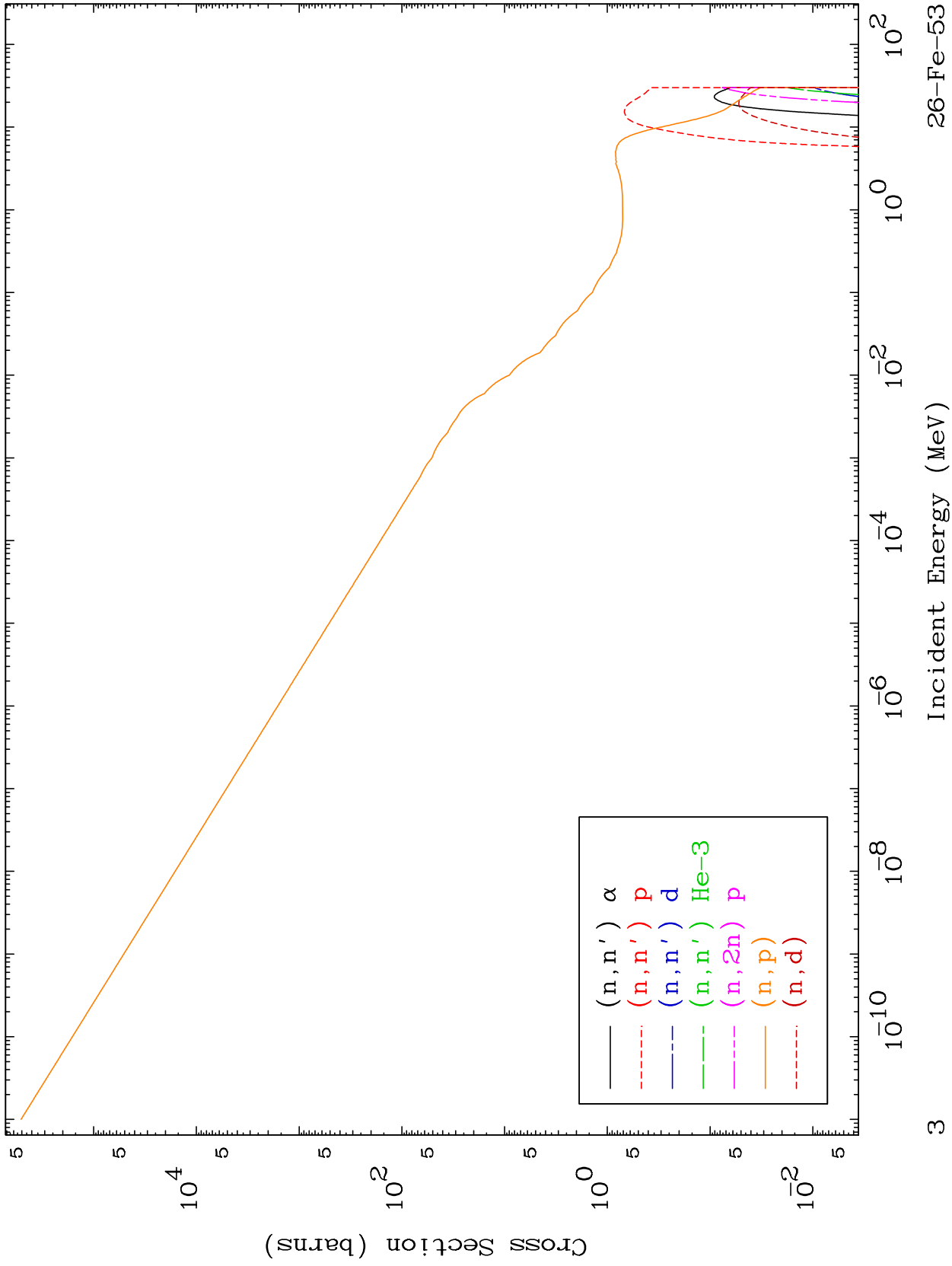
Incident Energy (MeV)

26-Fe-53

MAT 2623

Charged Particle
293 Kelvin Cross Sections

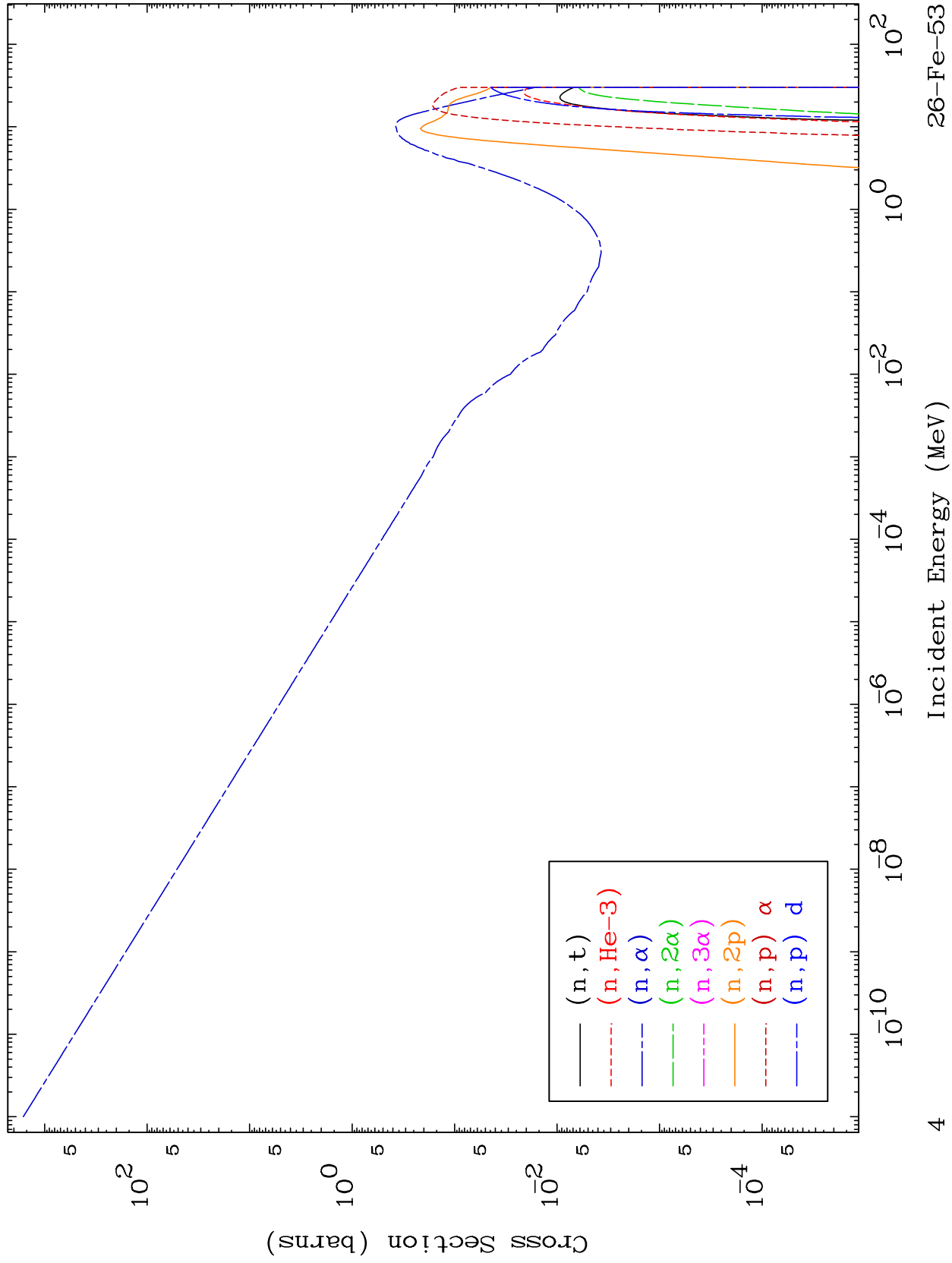
26-Fe-53



MAT 2623

Charged Particle
293 Kelvin Cross Sections

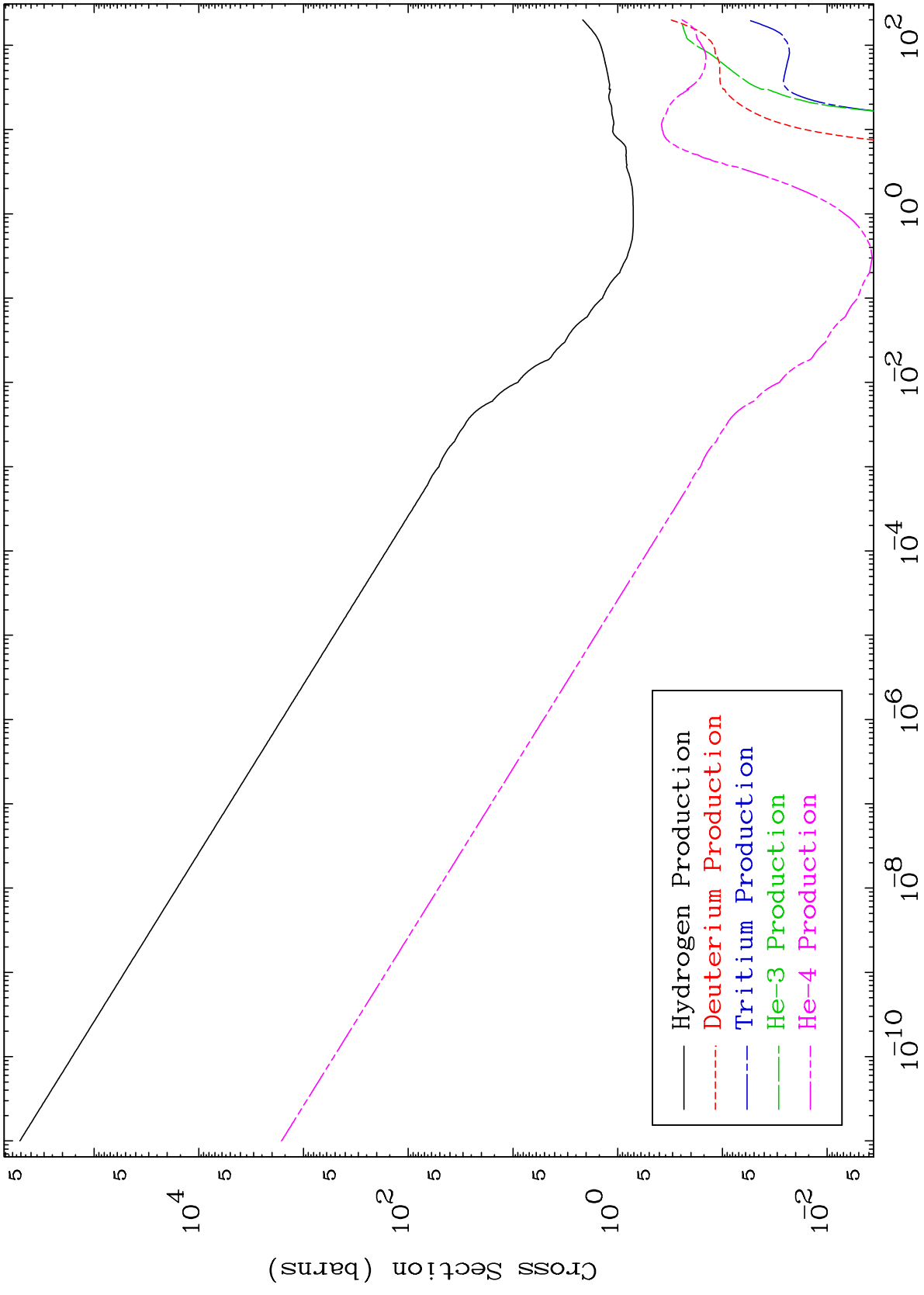
26-Fe-53



MAT 2623

Particle Production
293 Kelvin Cross Sections

26-Fe-53



5

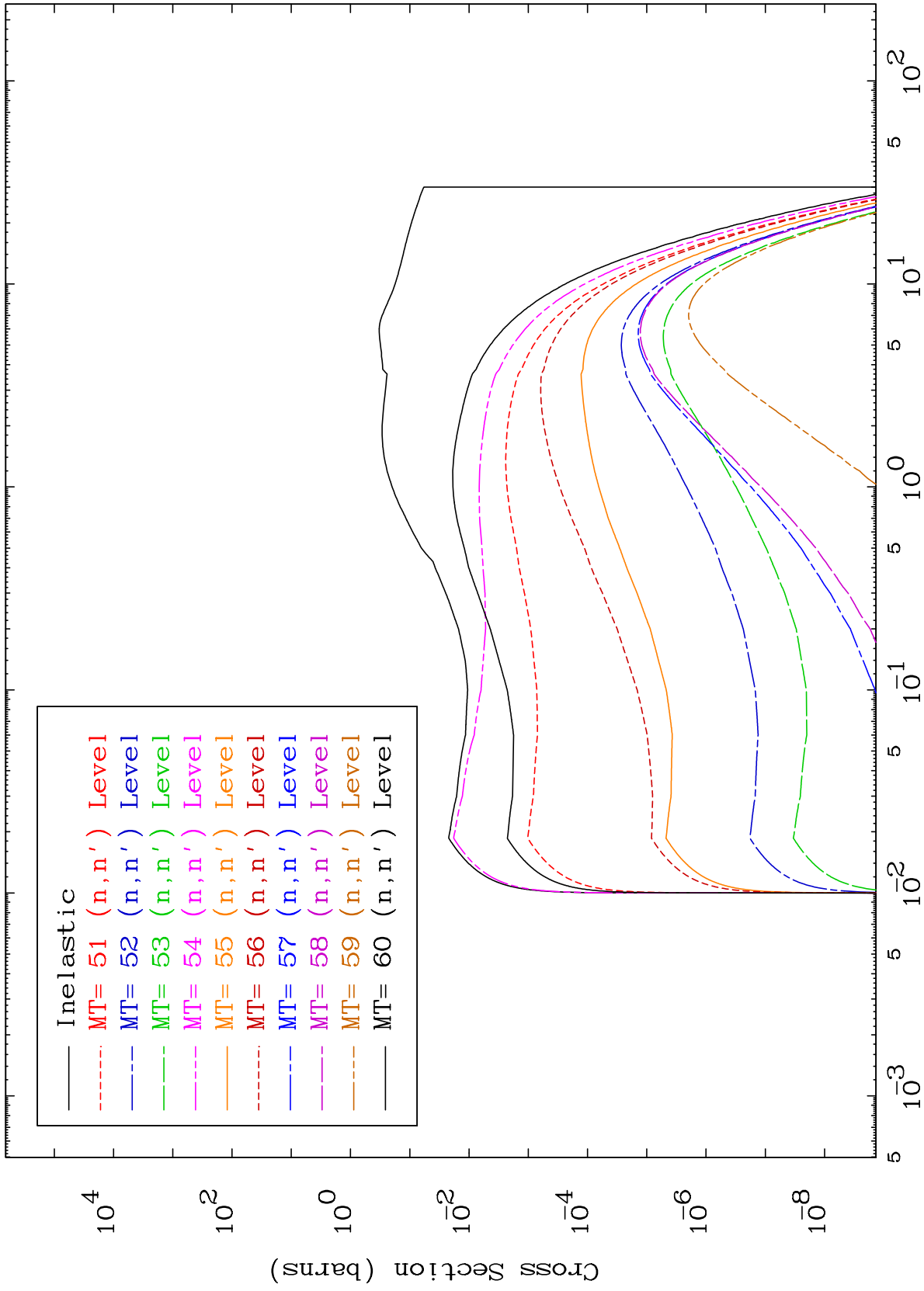
Incident Energy (MeV)

26-Fe-53

MAT 2623

293 Kelvin Cross Sections

26-Fe-53



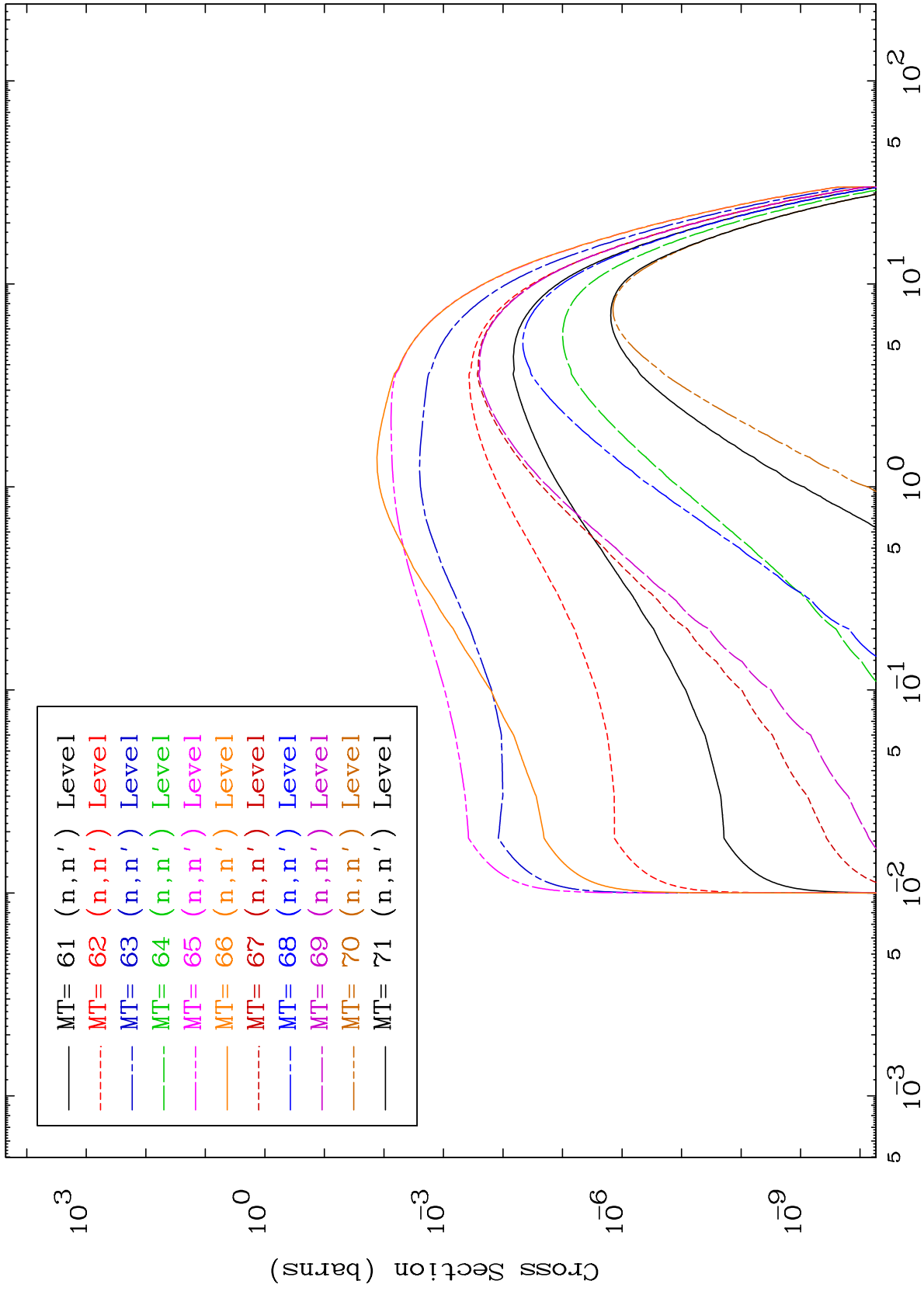
6

26-Fe-53

MAT 2623

293 Kelvin Cross Sections

26-Fe-53



7

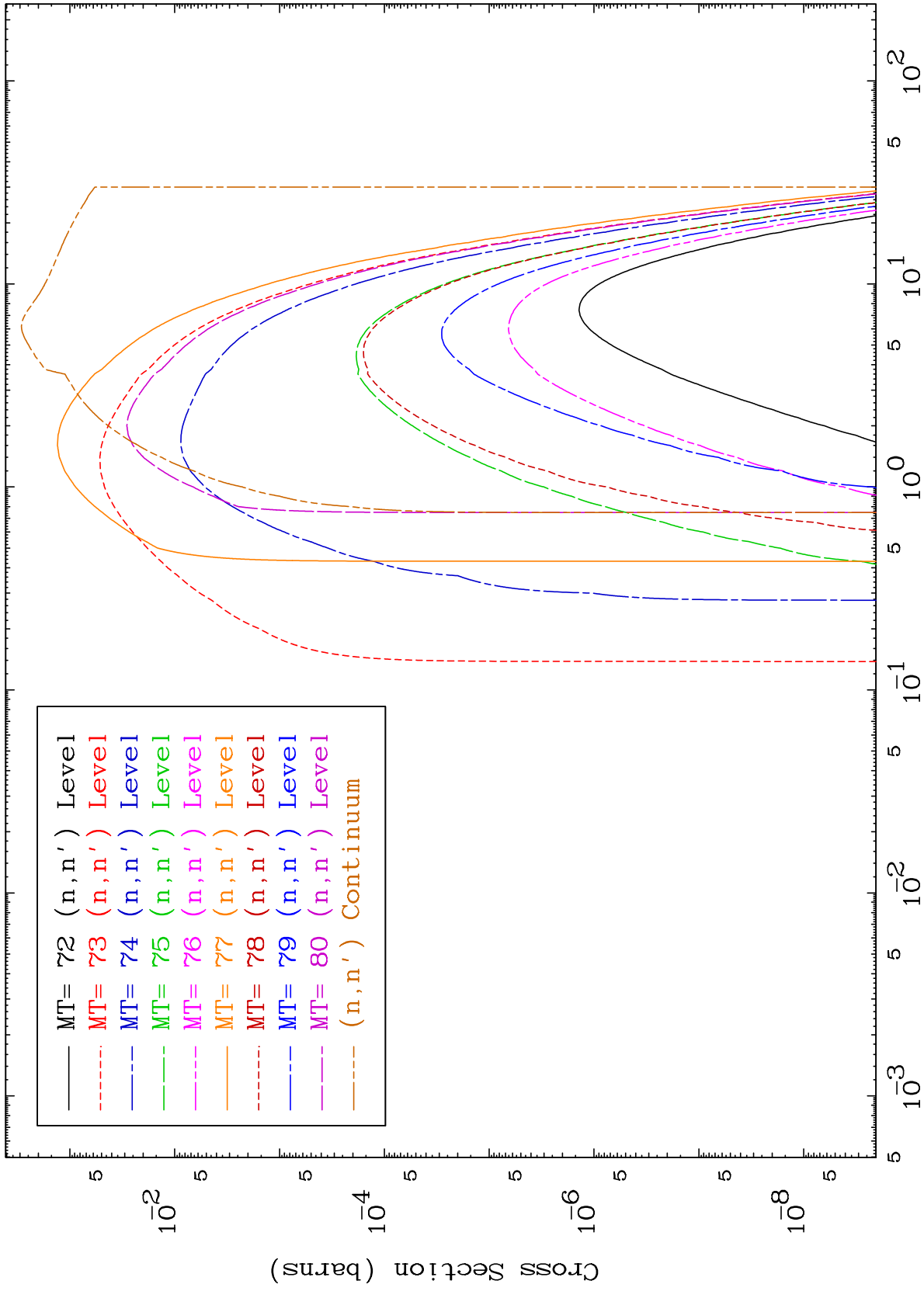
Incident Energy (MeV)

26-Fe-53

MAT 2623

293 Kelvin Cross Sections

26-Fe-53



8

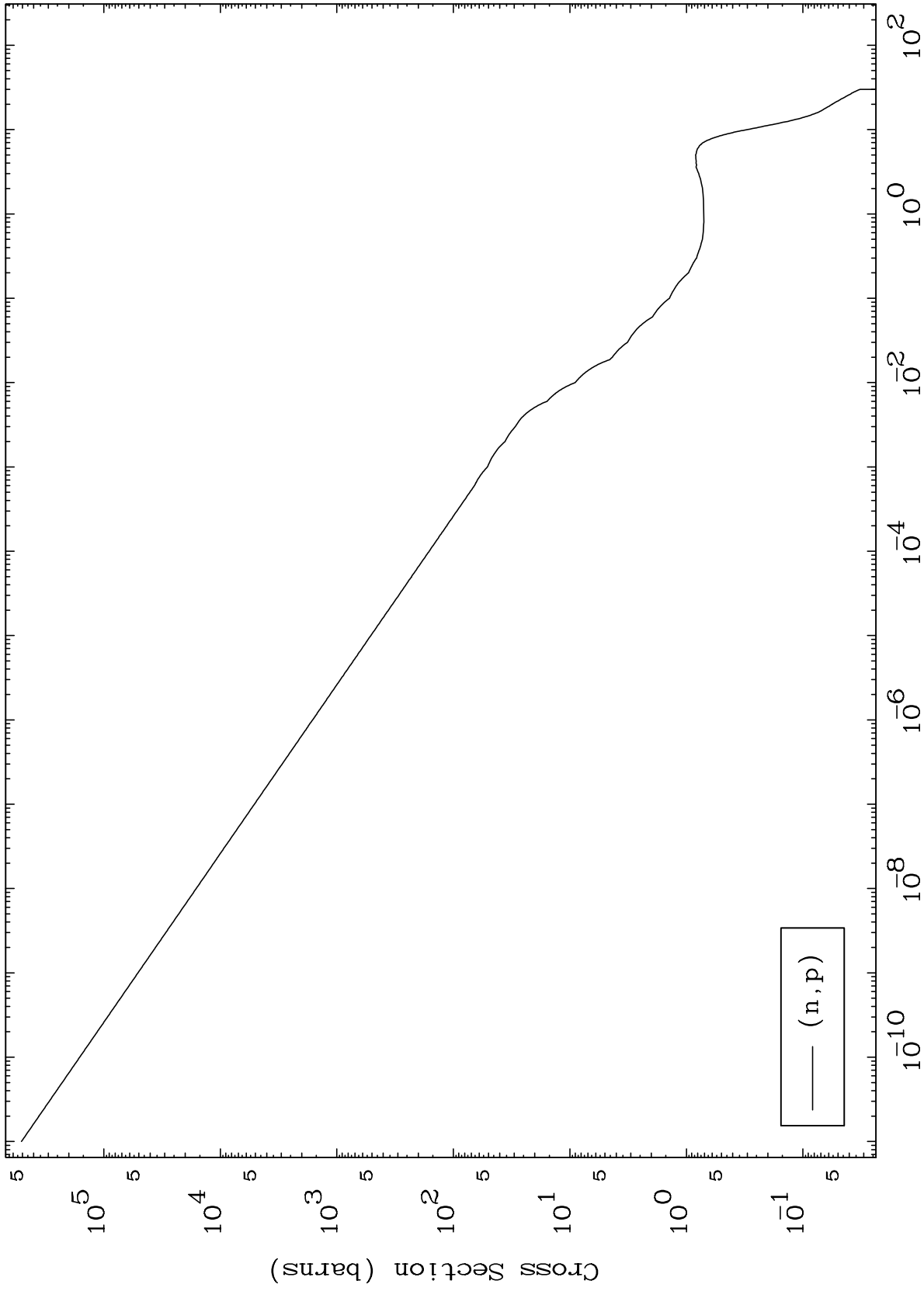
Incident Energy (MeV)

26-Fe-53

MAT 2623

(n,p) Levels
293 Kelvin Cross Sections

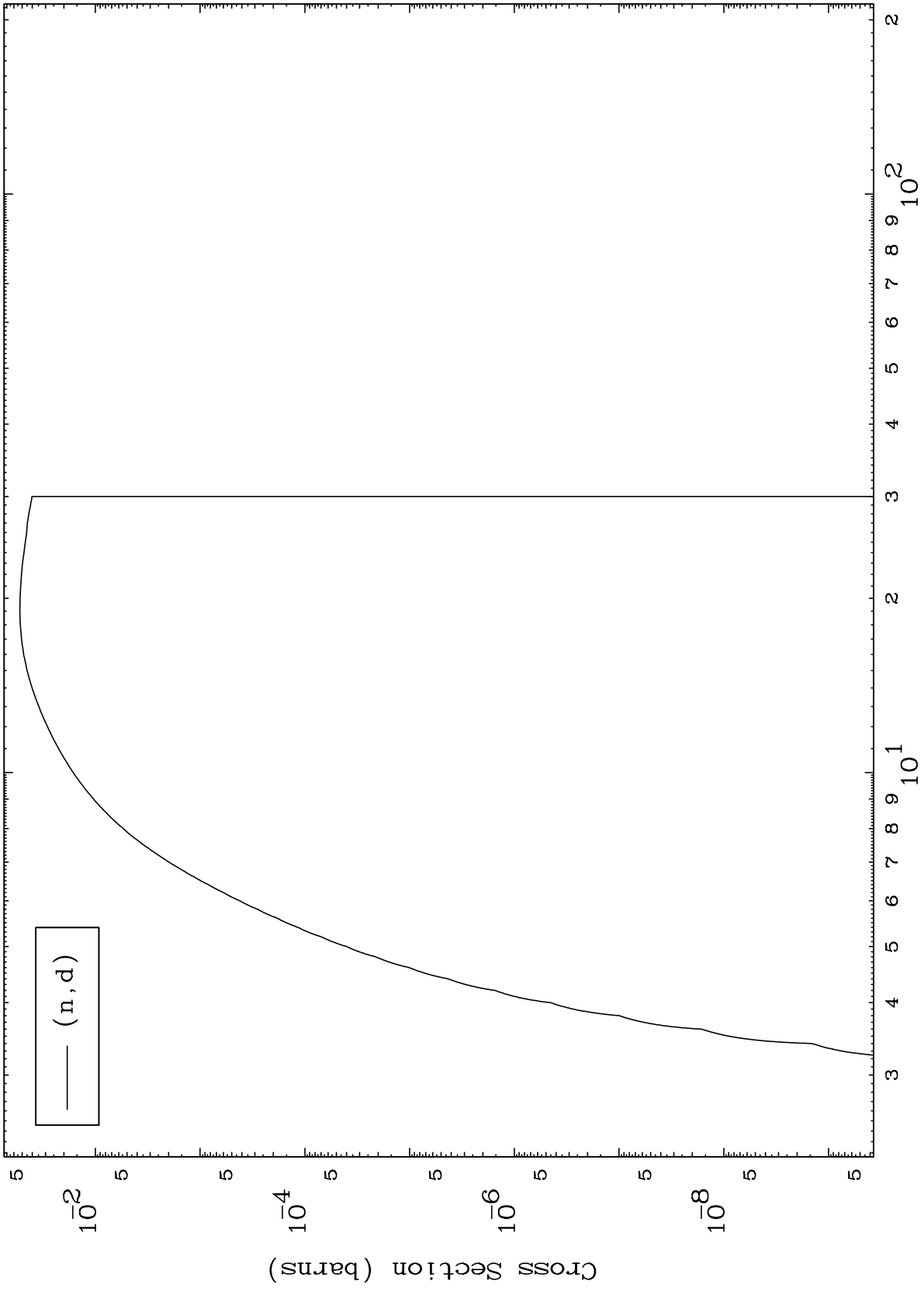
26-Fe-53



MAT 2623

(n,d) Levels
293 Kelvin Cross Sections

26-Fe-53



10

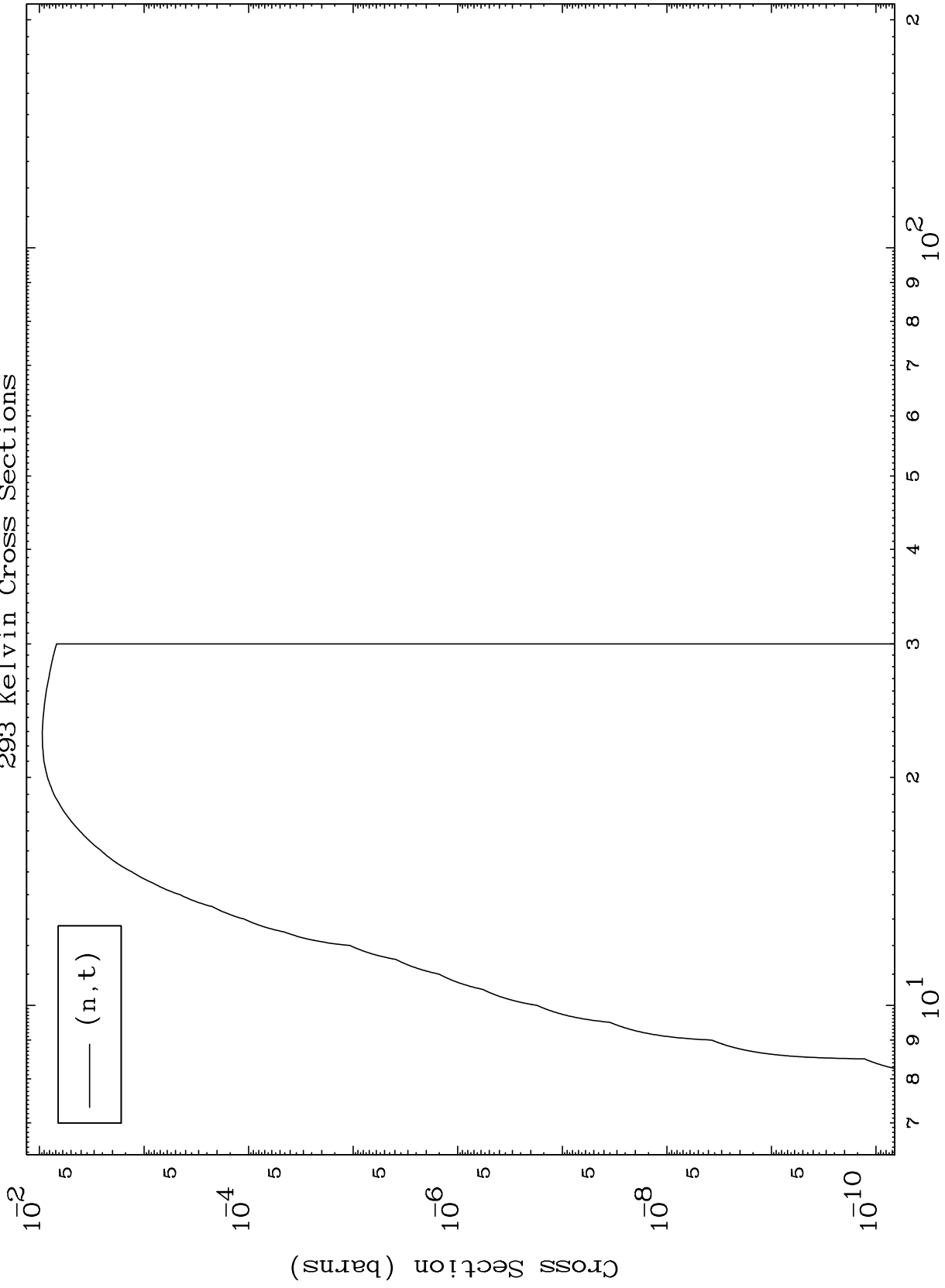
Incident Energy (MeV)

26-Fe-53

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²⁶Fe-53

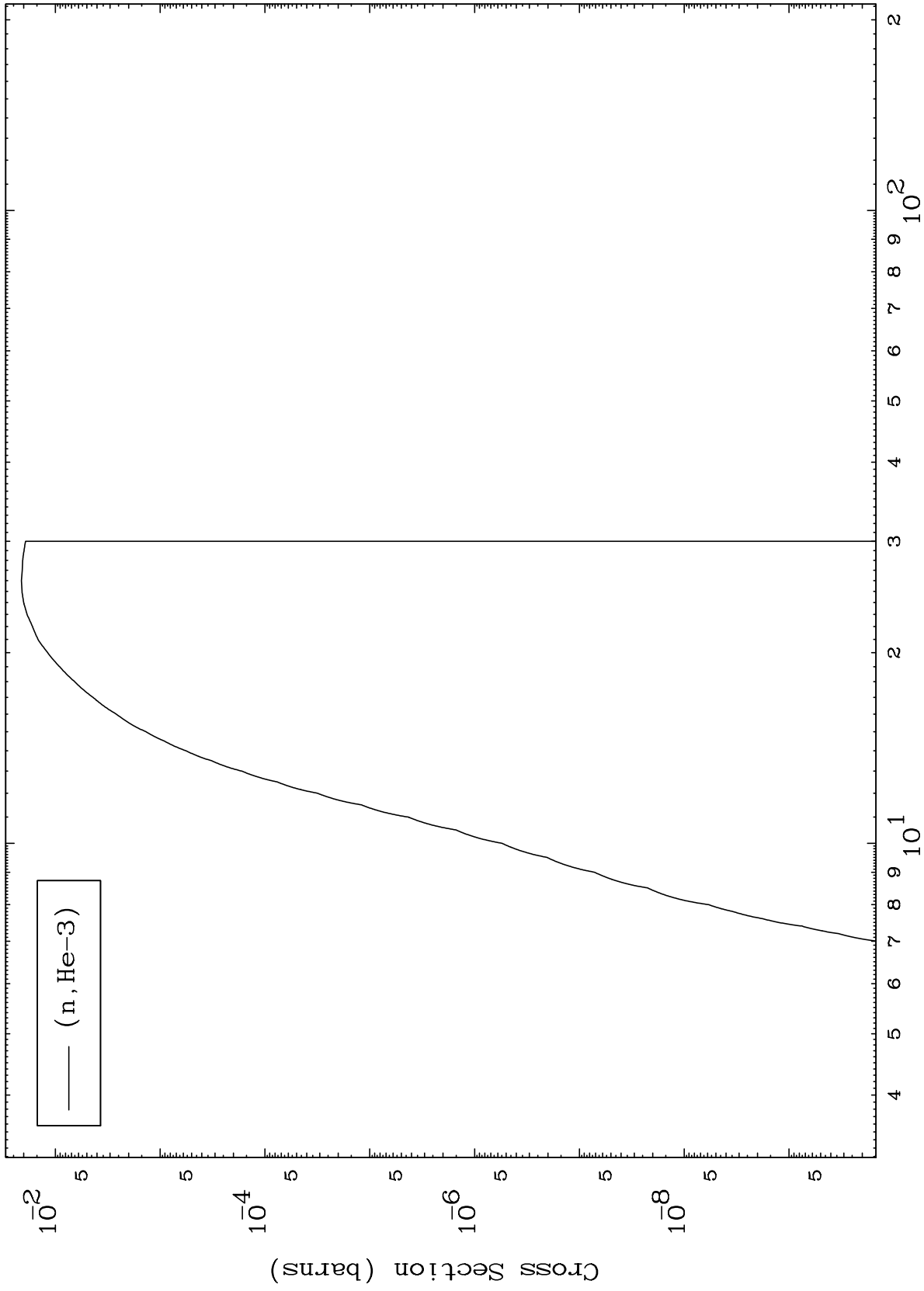
(n,t) Levels
293 Kelvin Cross Sections



MAT 2623

(n,He3) Levels
293 Kelvin Cross Sections

26-Fe-53



12

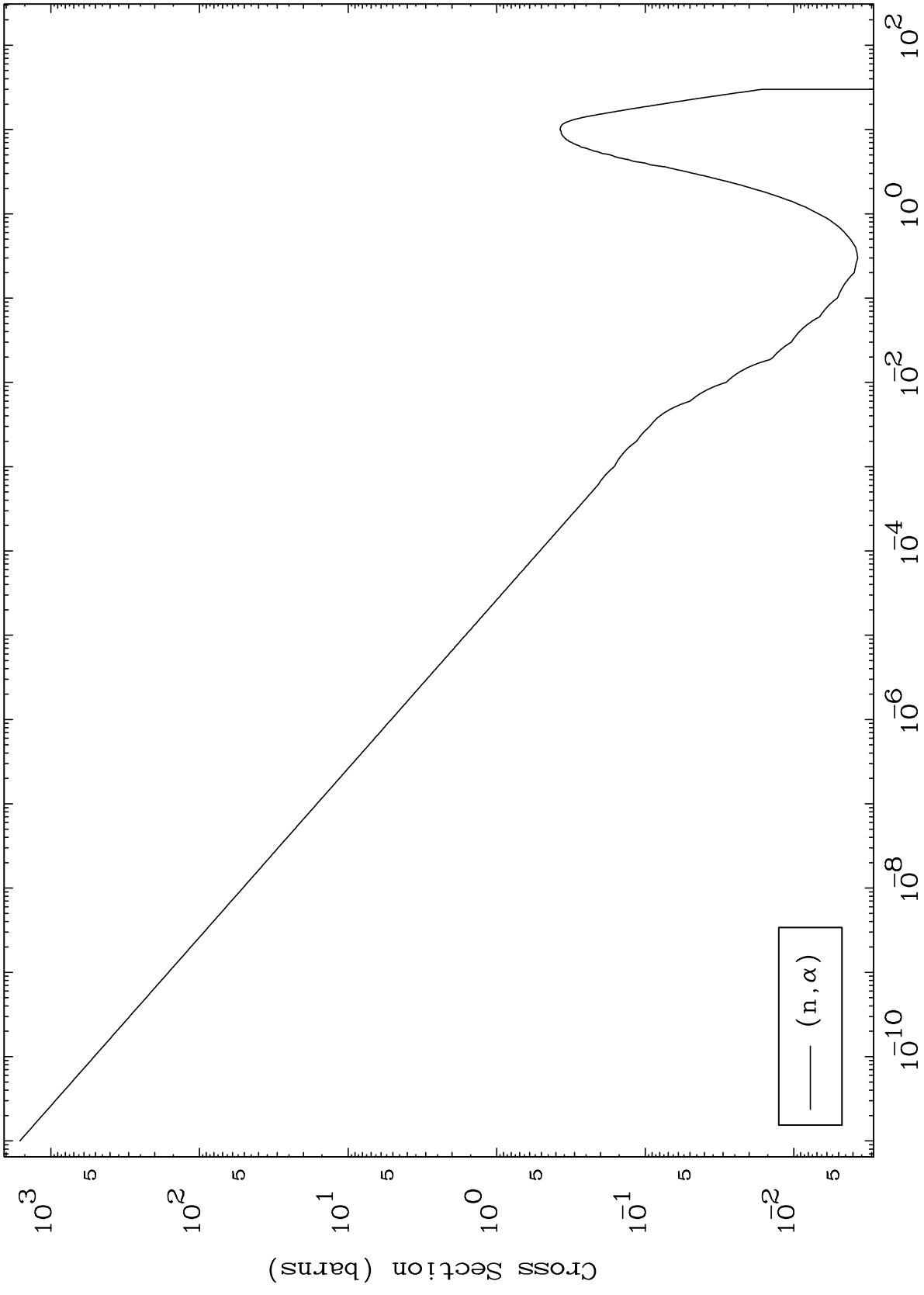
Incident Energy (MeV)

26-Fe-53

MAT 2623

(n,α) Levels
293 Kelvin Cross Sections

26-Fe-53

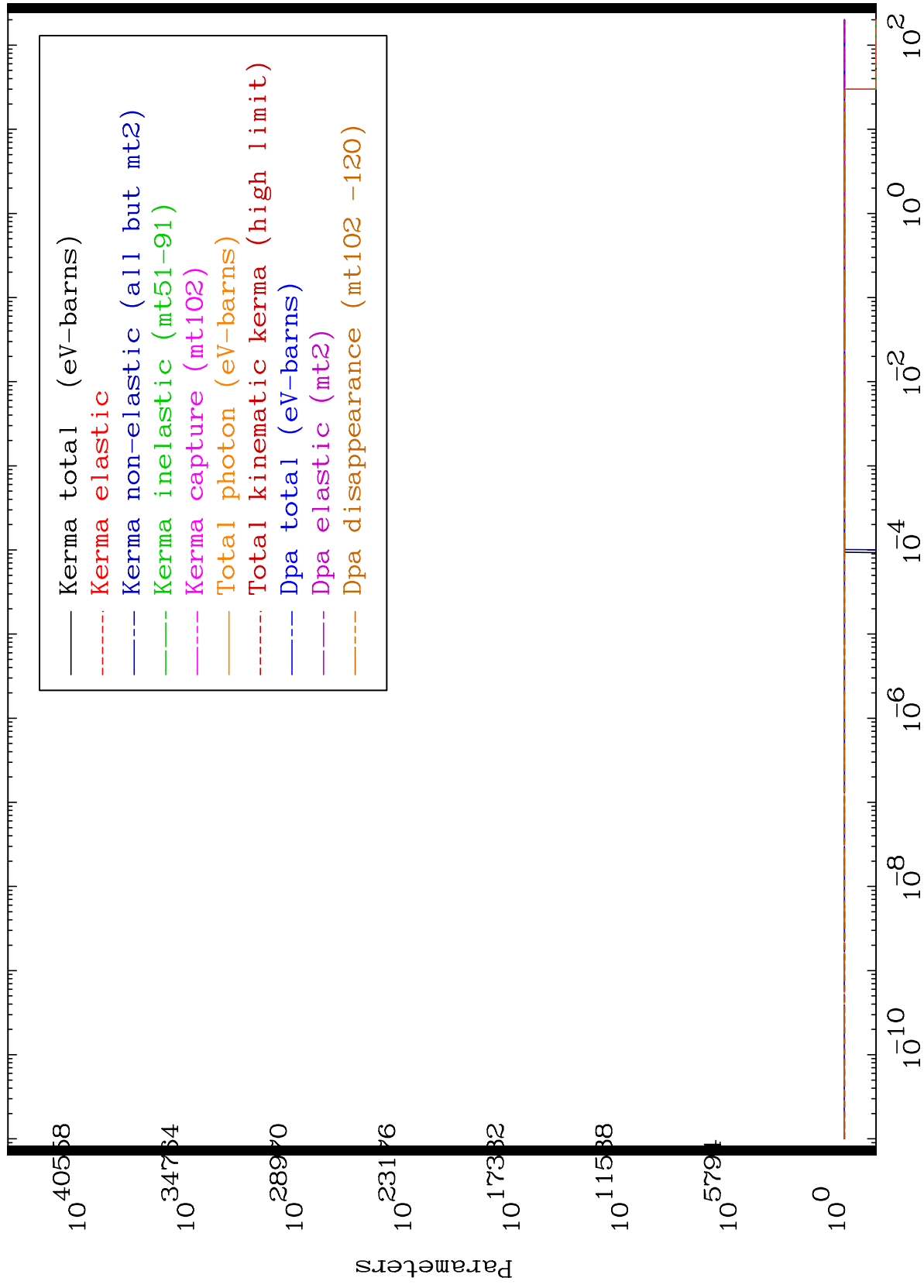


13

Incident Energy (MeV)

26-Fe-53

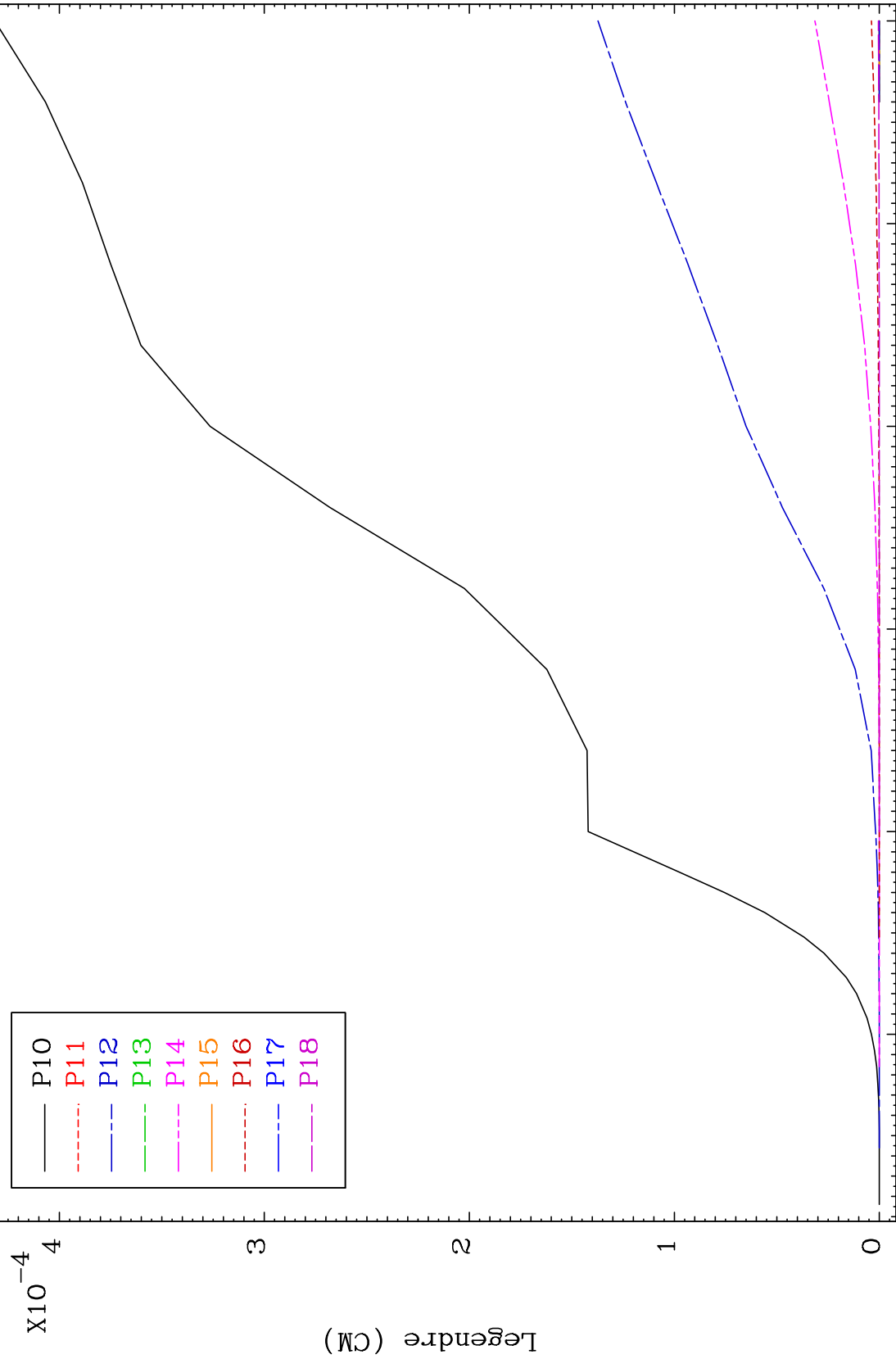
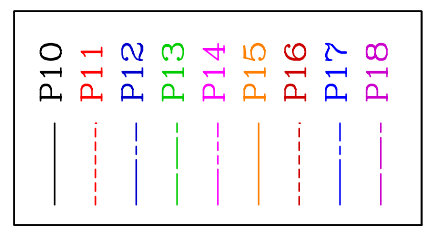
— (n,α)



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Elastic Legendre Coefficients

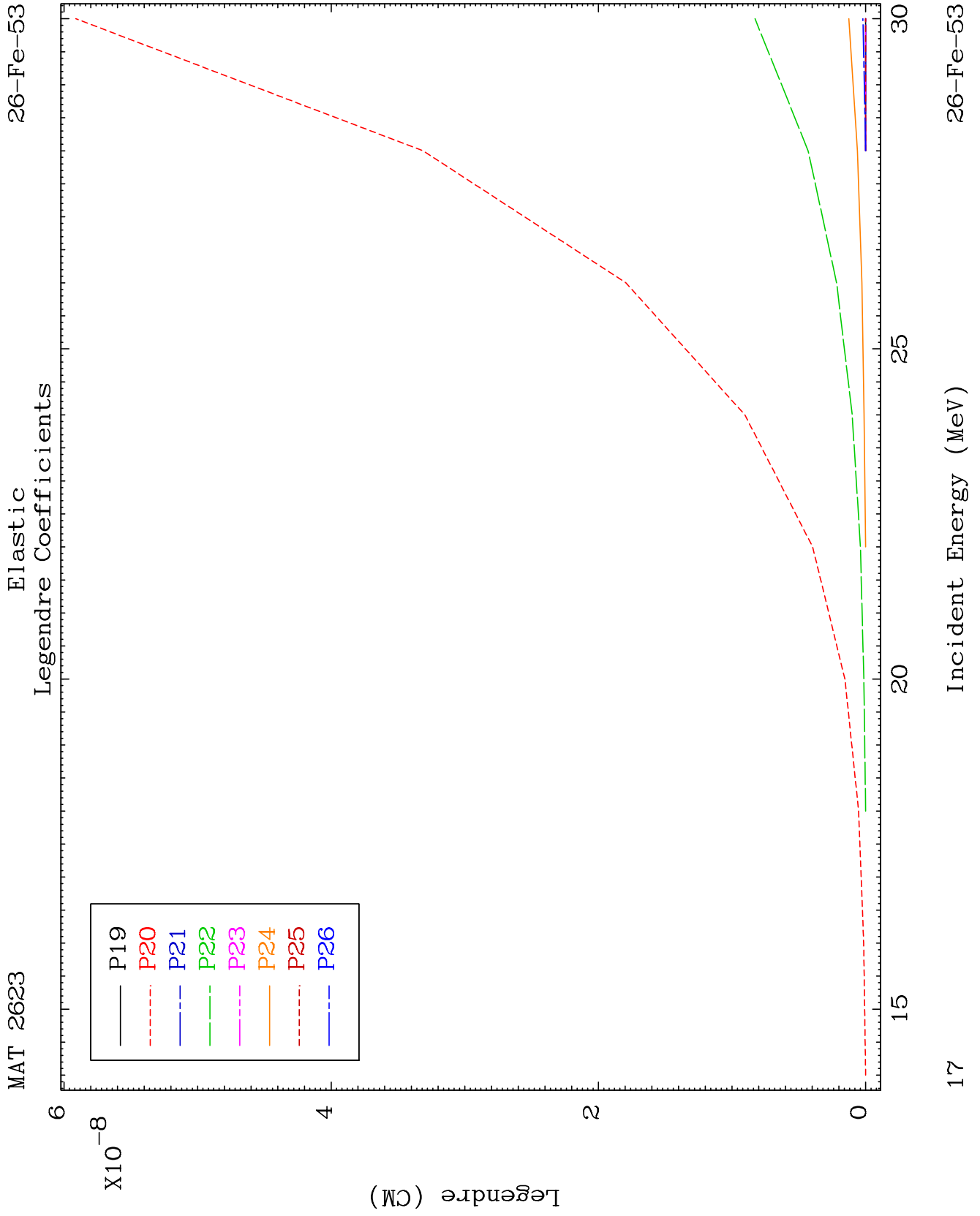
²⁶Fe-53



16

Incident Energy (MeV)

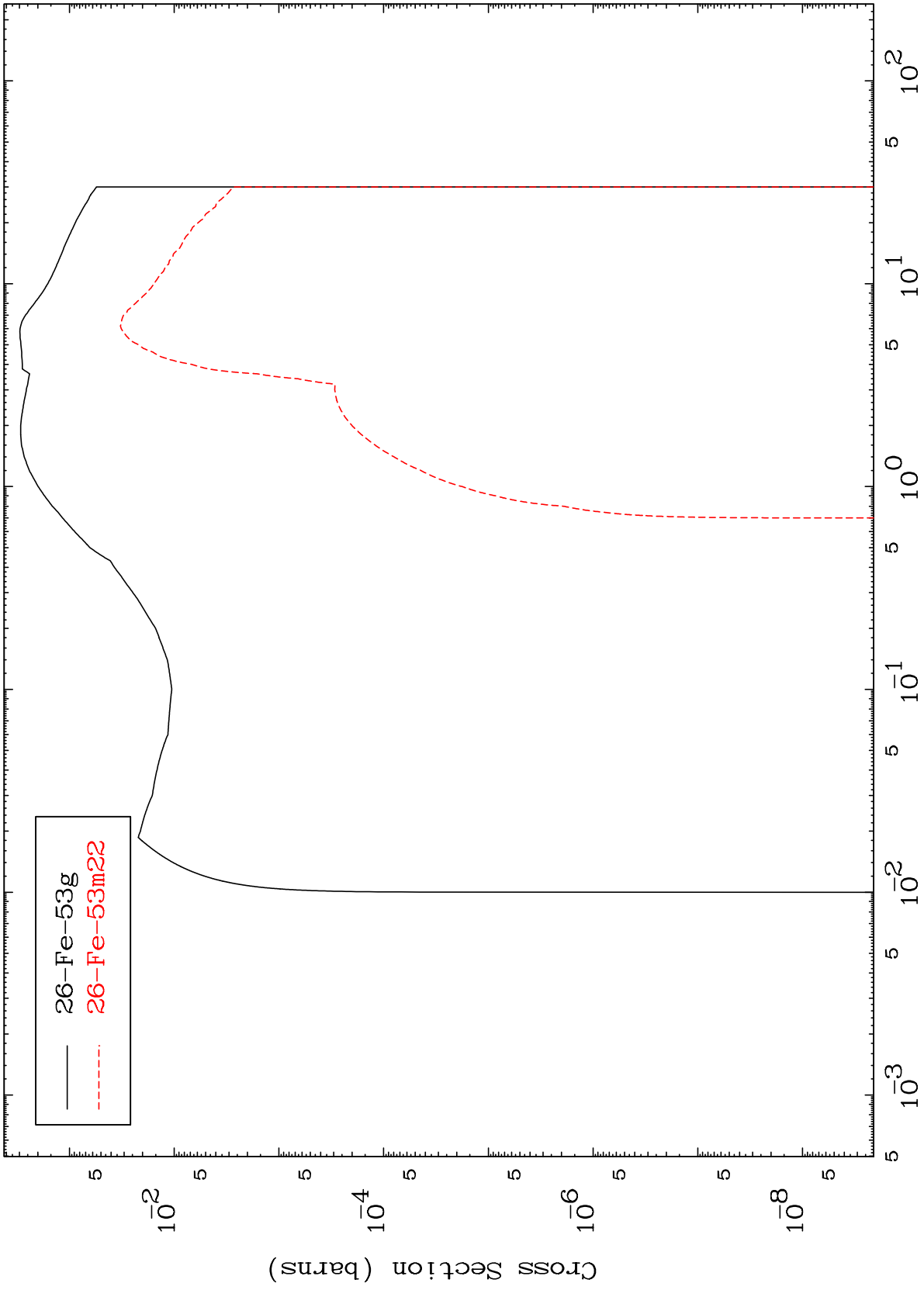
²⁶Fe-53



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²⁶Fe-53

Inelastic Radionuclide Production Cross Section



18

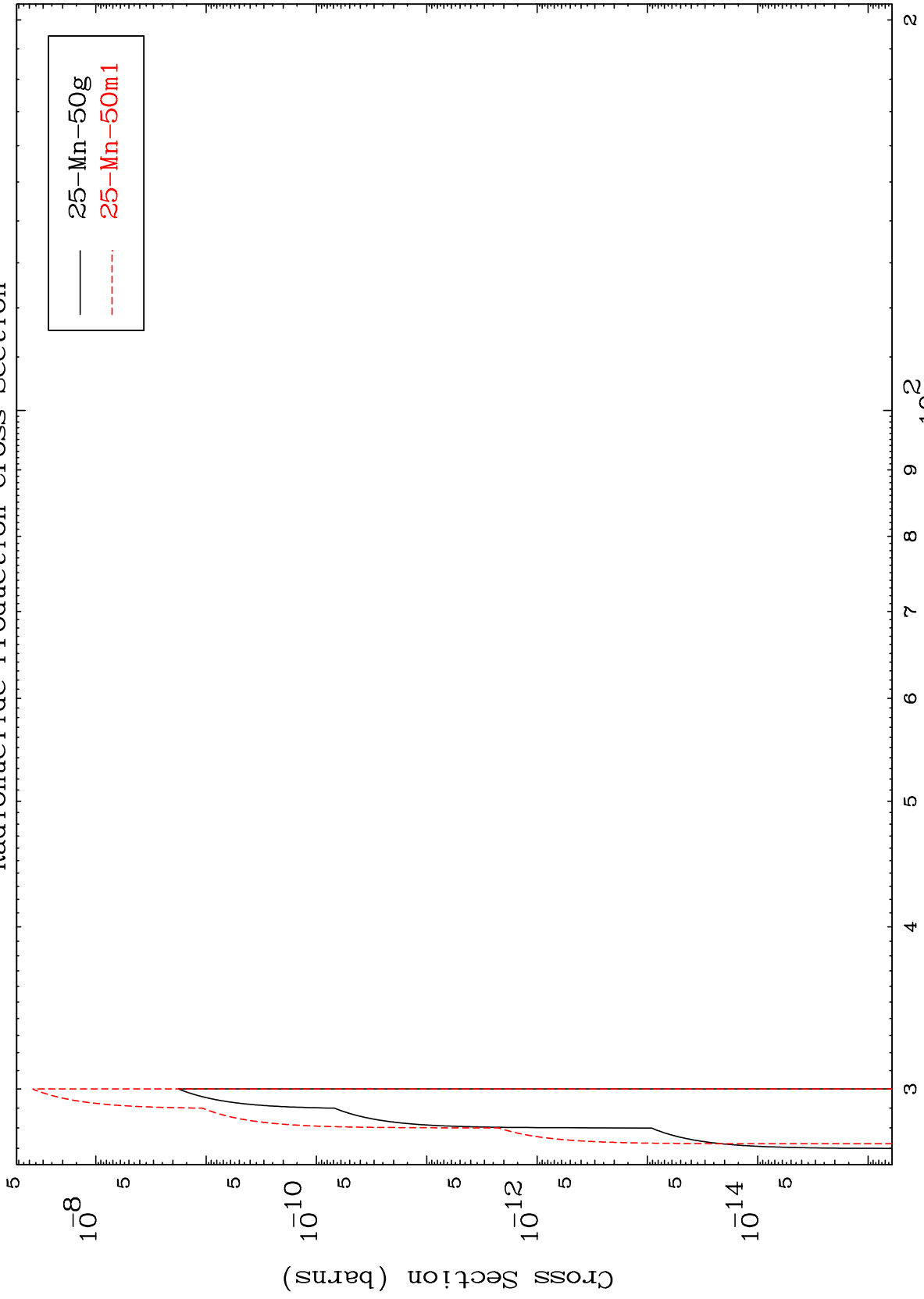
²⁶Fe-53

MAT 2623

(n,2n) d

²⁶Fe-53

Radionuclide Production Cross Section



19

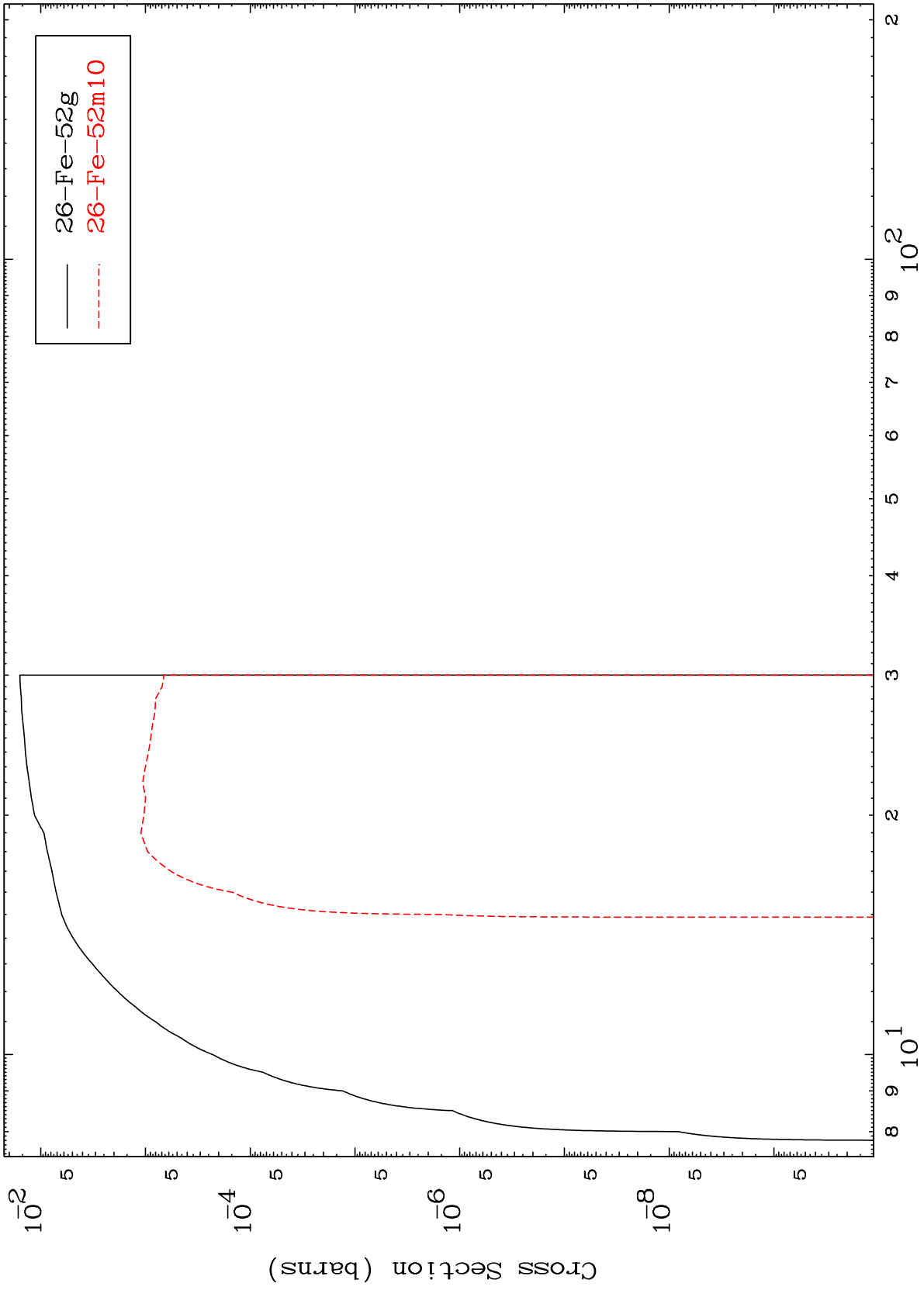
Incident Energy (MeV)

²⁶Fe-53

MAT 2623

²⁶Fe-53

(n,2n)
Radionuclide Production Cross Section



— 26-Fe-52g
- - - 26-Fe-52m10

20

Incident Energy (MeV)

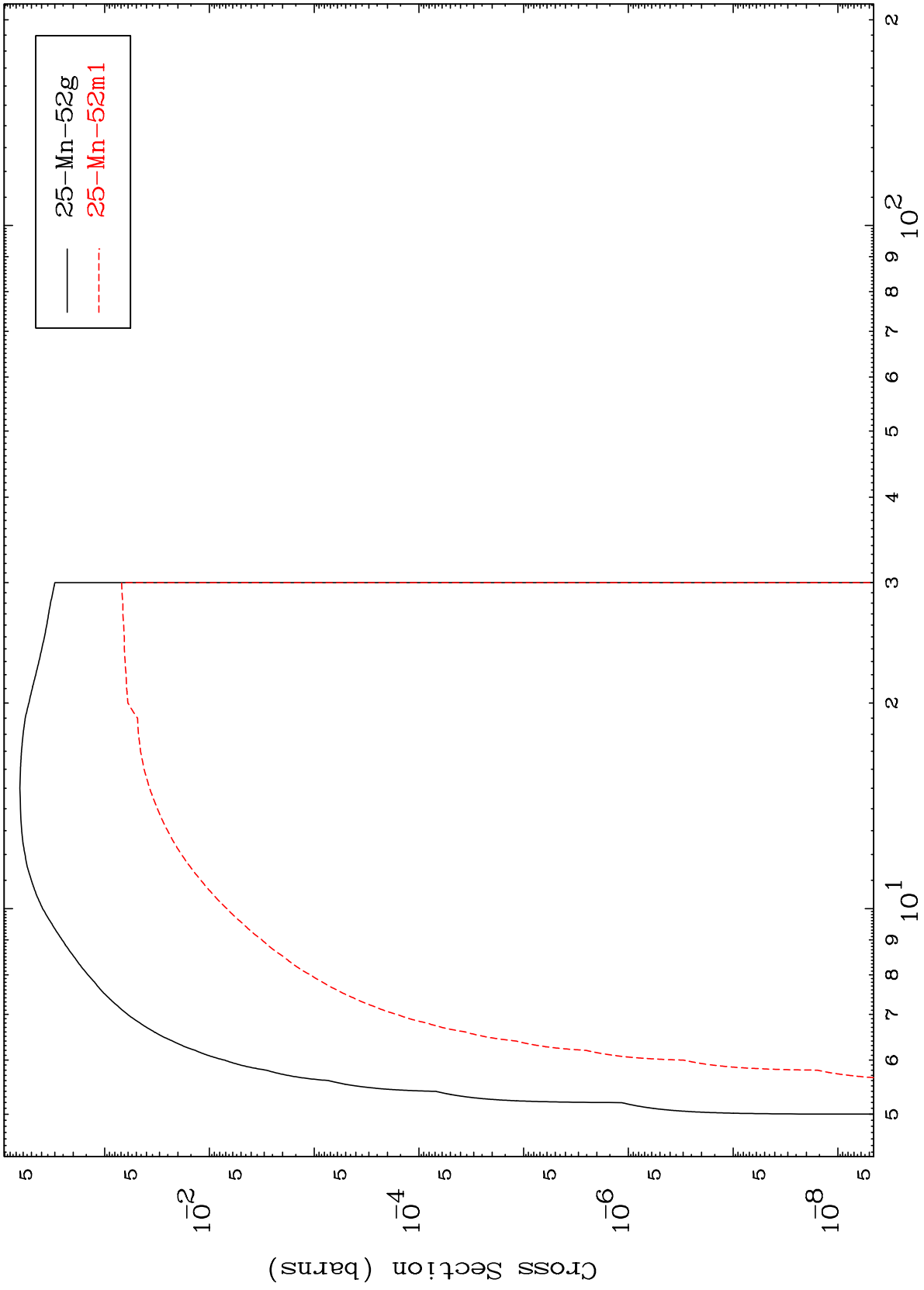
²⁶Fe-53

MAT 2623

(n,n') p

²⁶Fe-53

Radionuclide Production Cross Section



21

Incident Energy (MeV)

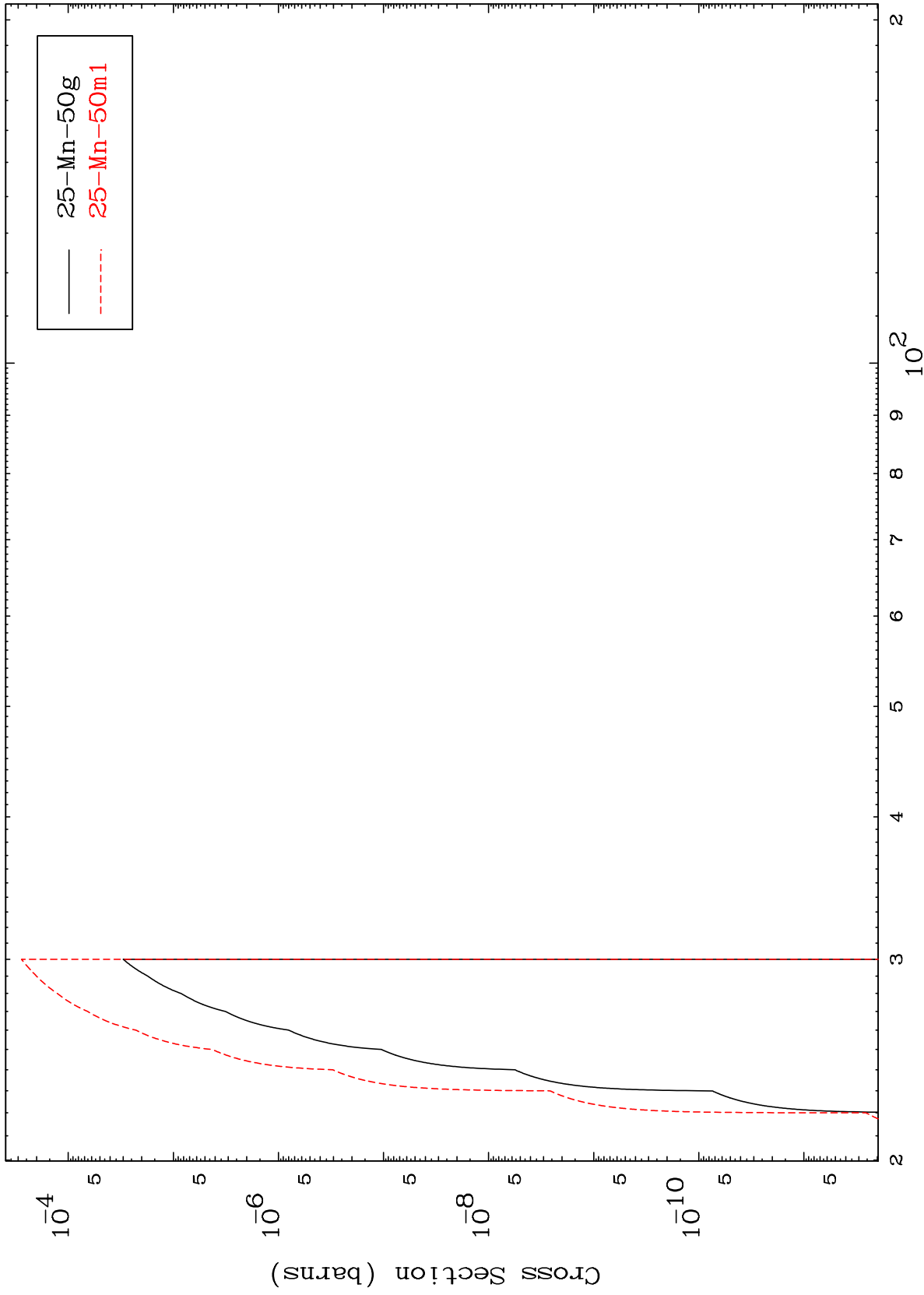
²⁶Fe-53

MAT 2623

(n,n') t

²⁶Fe-53

Radionuclide Production Cross Section



22

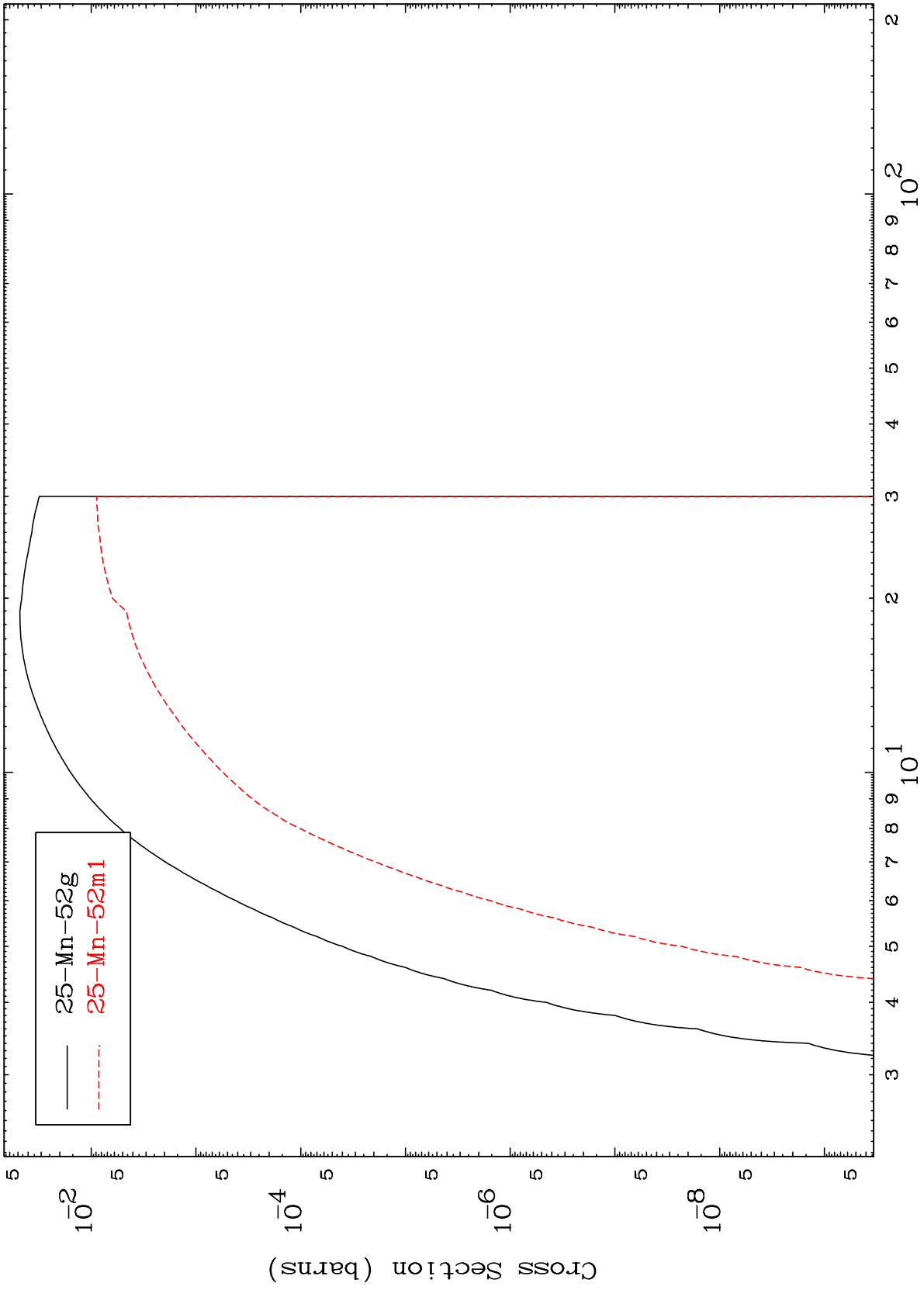
Incident Energy (MeV)

²⁶Fe-53

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²⁶Fe-53

Radionuclide Production Cross Section (n,d)



23

²⁶Fe-53