

PLOTS OF IMPORTANT FISSION-PRODUCT RADIATIVE CAPTURE CROSS SECTIONS

EAF vs. Experimental data

**Mo-95, Tc-99, Rh-103, Ag-109, Cs-133, Nd-143,
Nd-145, Sm-147, Sm-149, Sm-152, Eu-153, Gd-155**

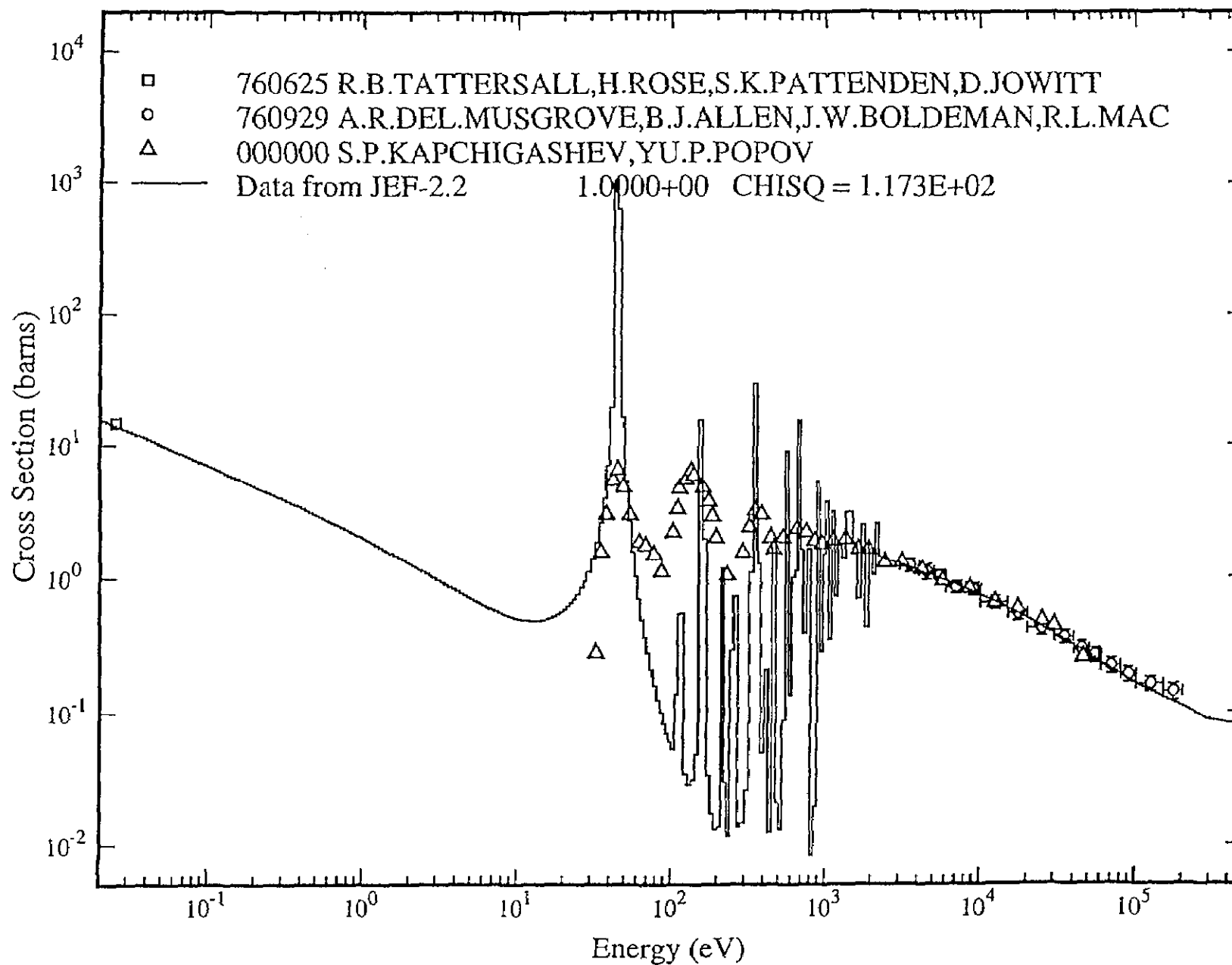
prepared by

J. Kopecky

LANL (D. Muir)
 Validation ECNAP-86
 = EAF-4.1
 further LANL

ECNAP-96 Activation Data for MT102 (curve)
 vs. Measured Data for 42-MO-95(N,G)42-MO-96,,SIG

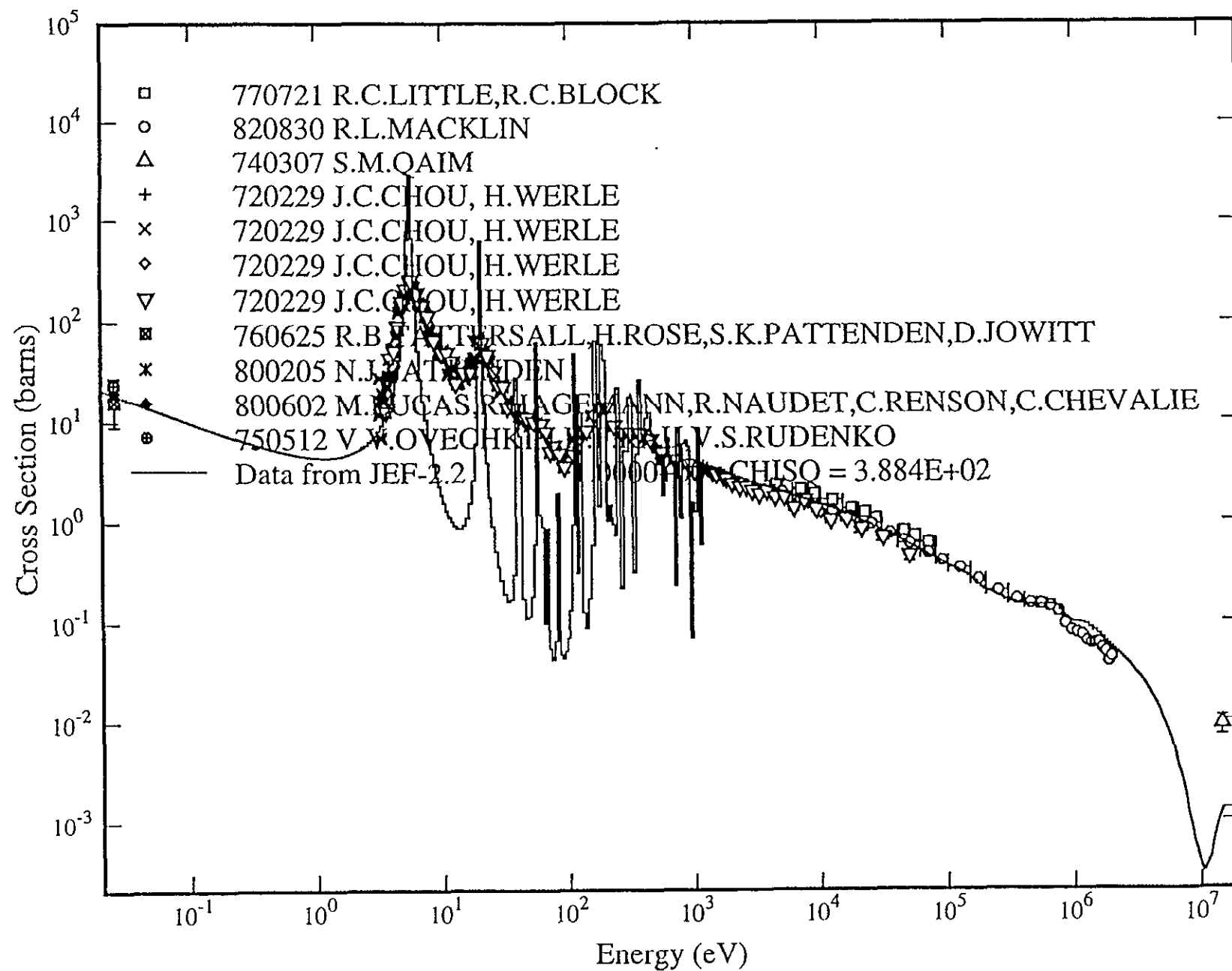
see SANDT
 structure



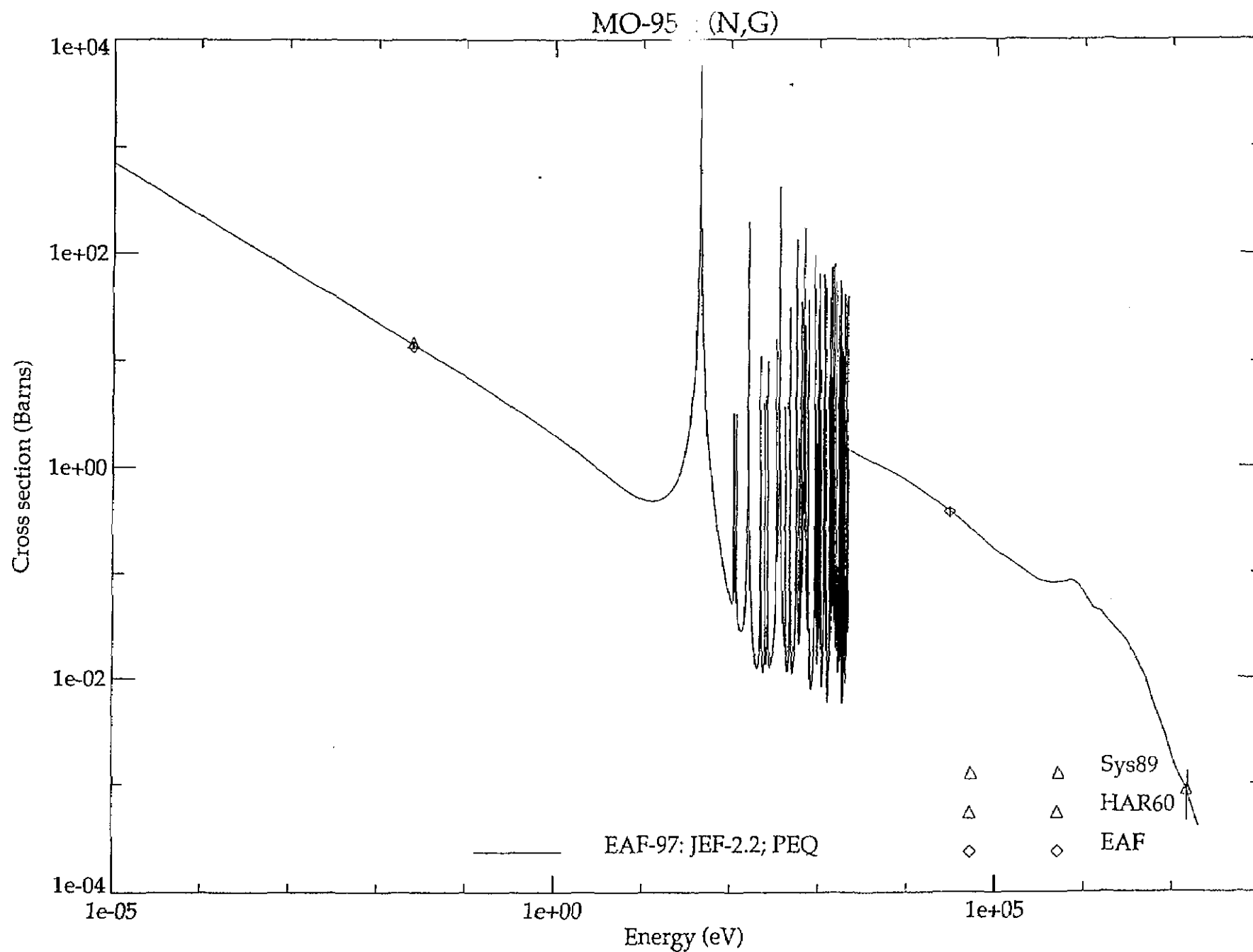
24630002

Mo-95

ECNAF-96 Activation Data for MT102 (curve)
vs. Measured Data for 43-TC-99(N,G)43-TC-100,,SIG



NOT SOURCE: EAF validation.
in Culham

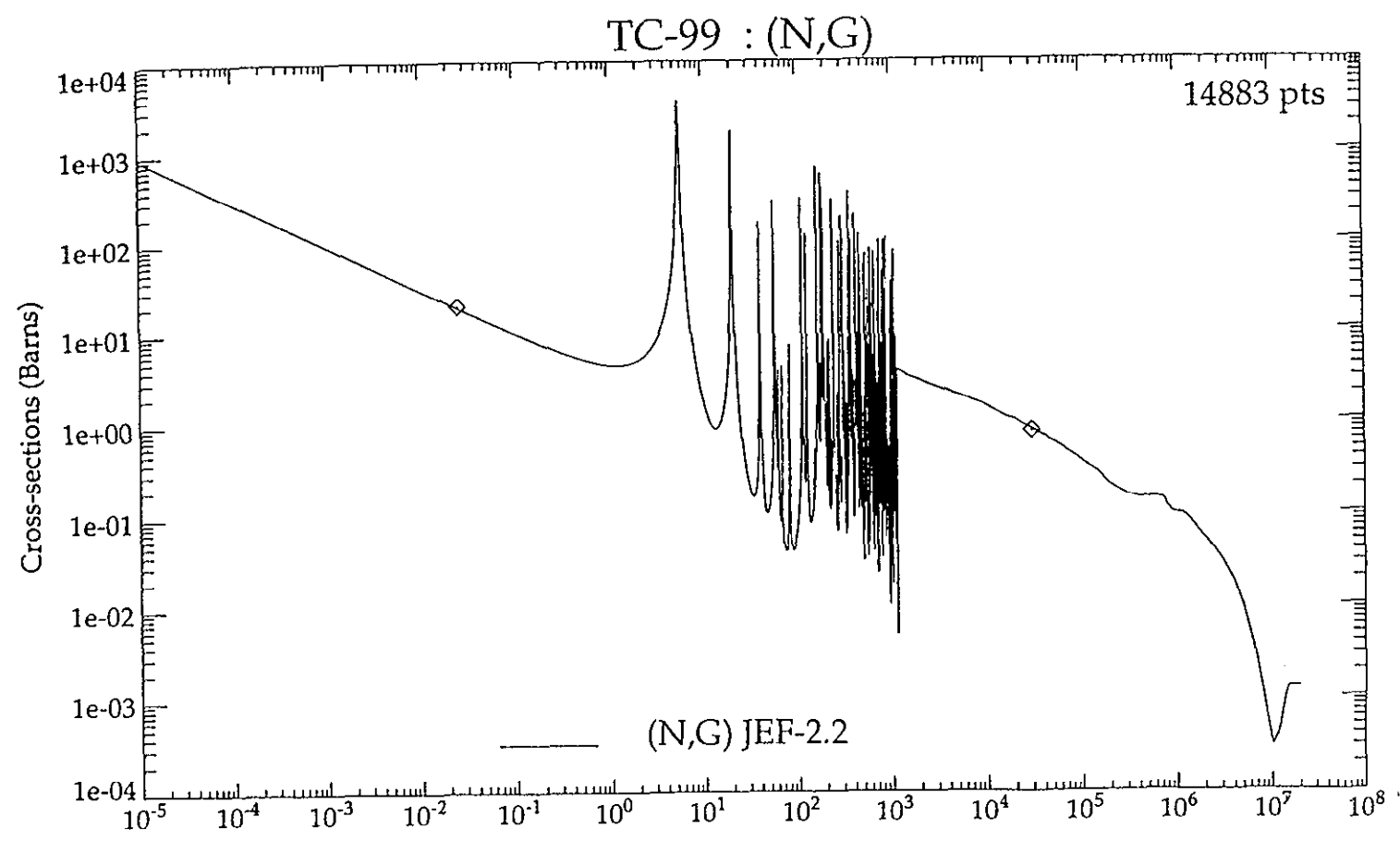


Mo-95

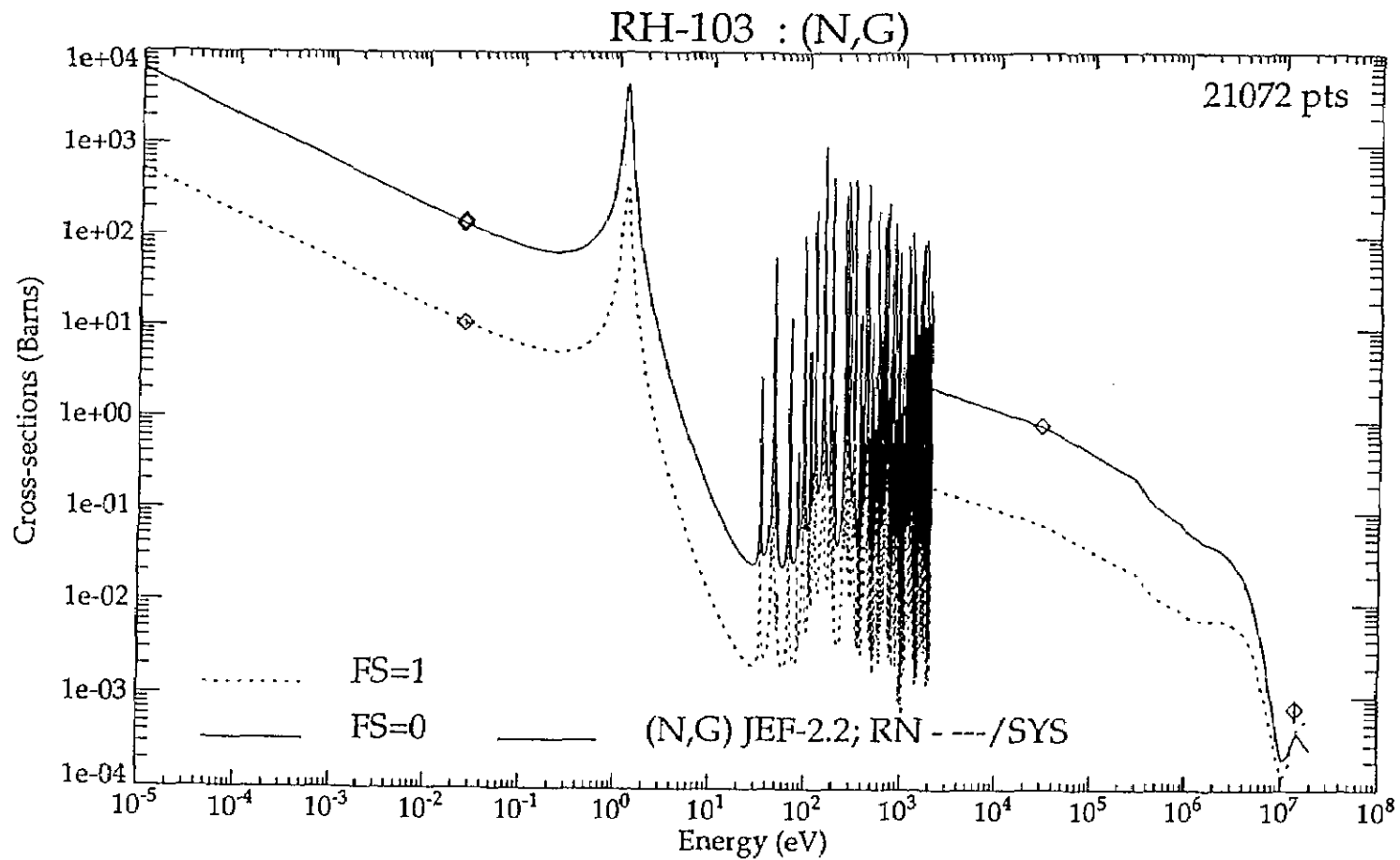
24630004

24630005

point u



24630006



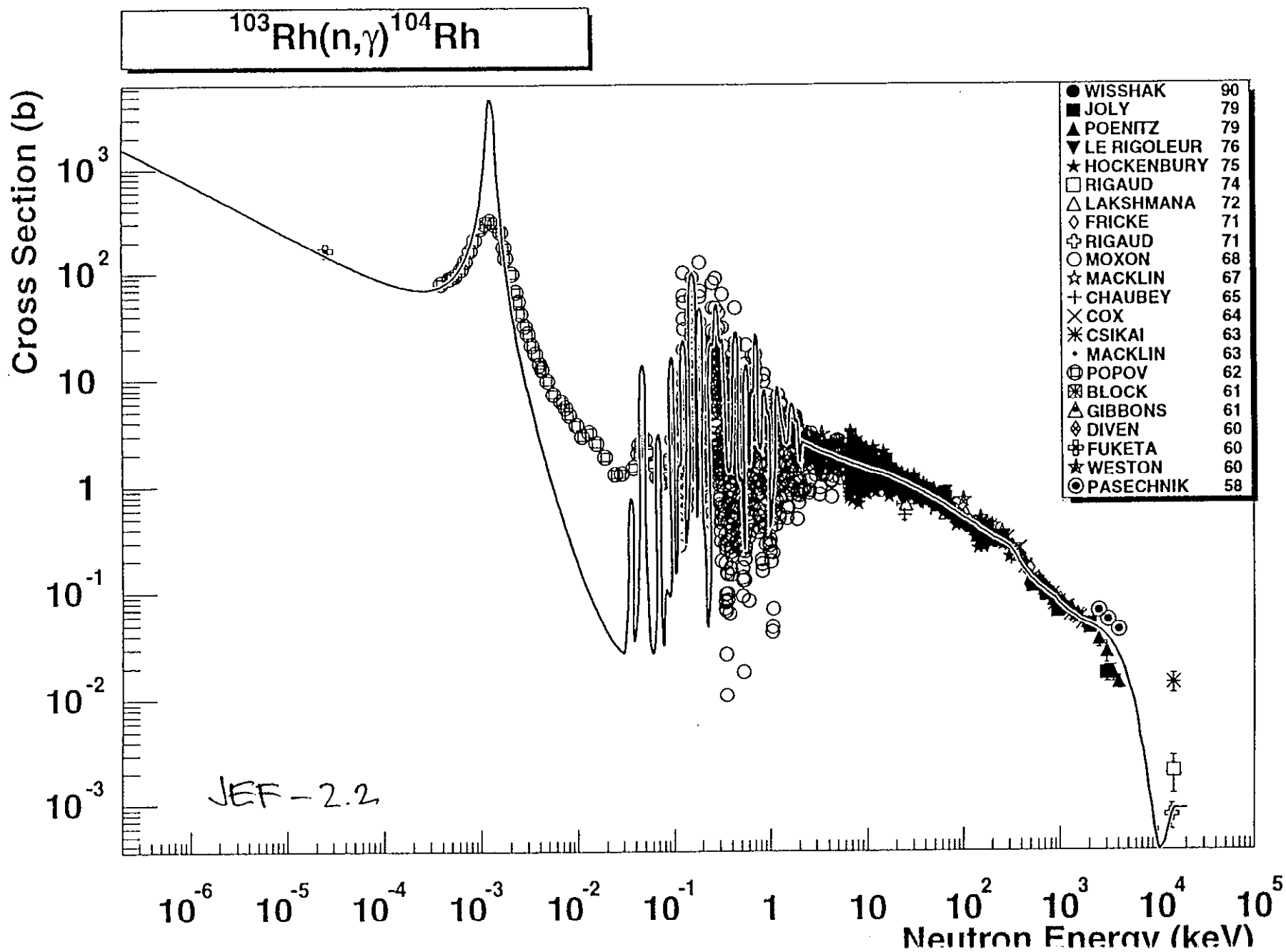
126

point wise

103 Rh

24630006

100L CRP

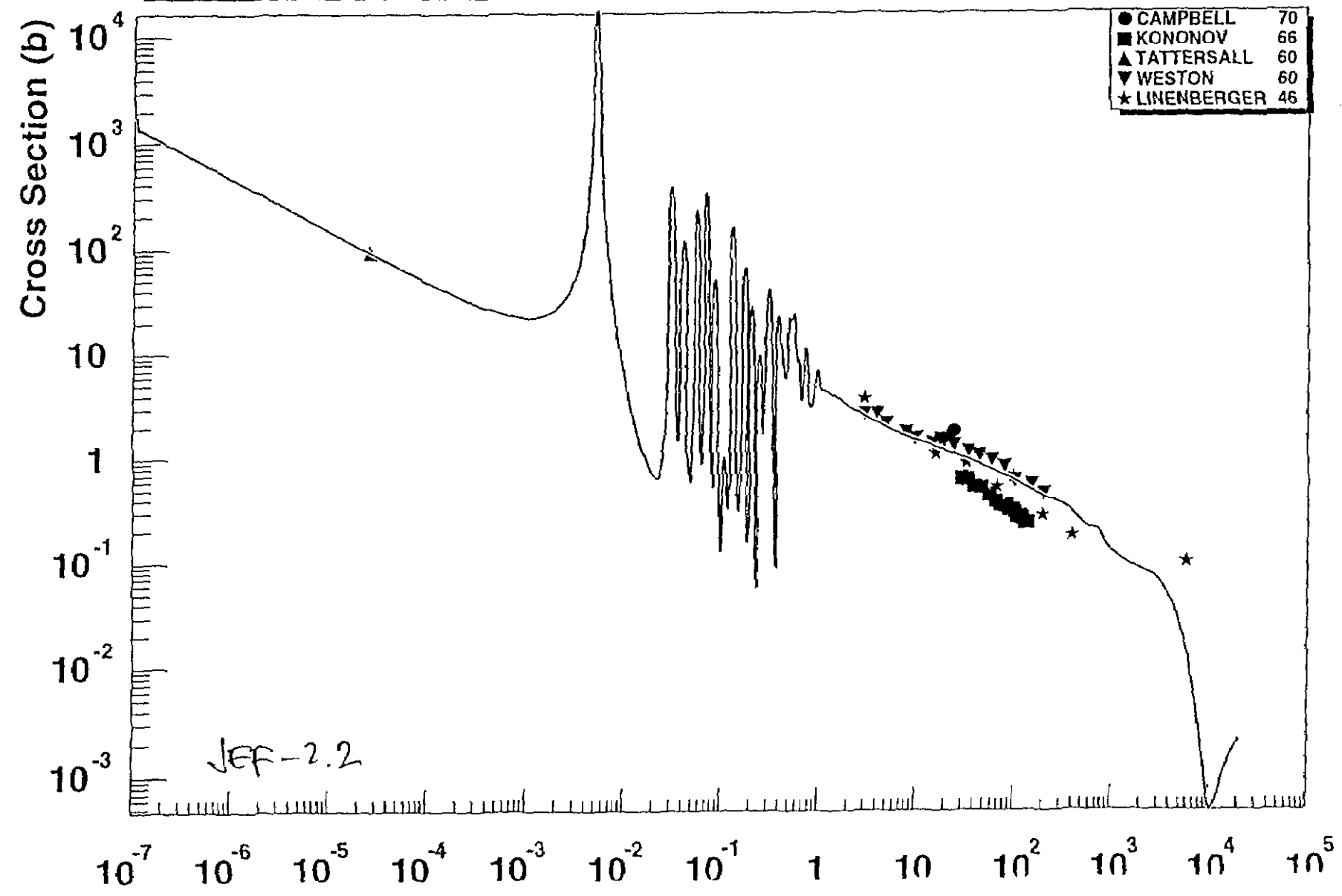


^{103}Rh

24630007

18DL CRP

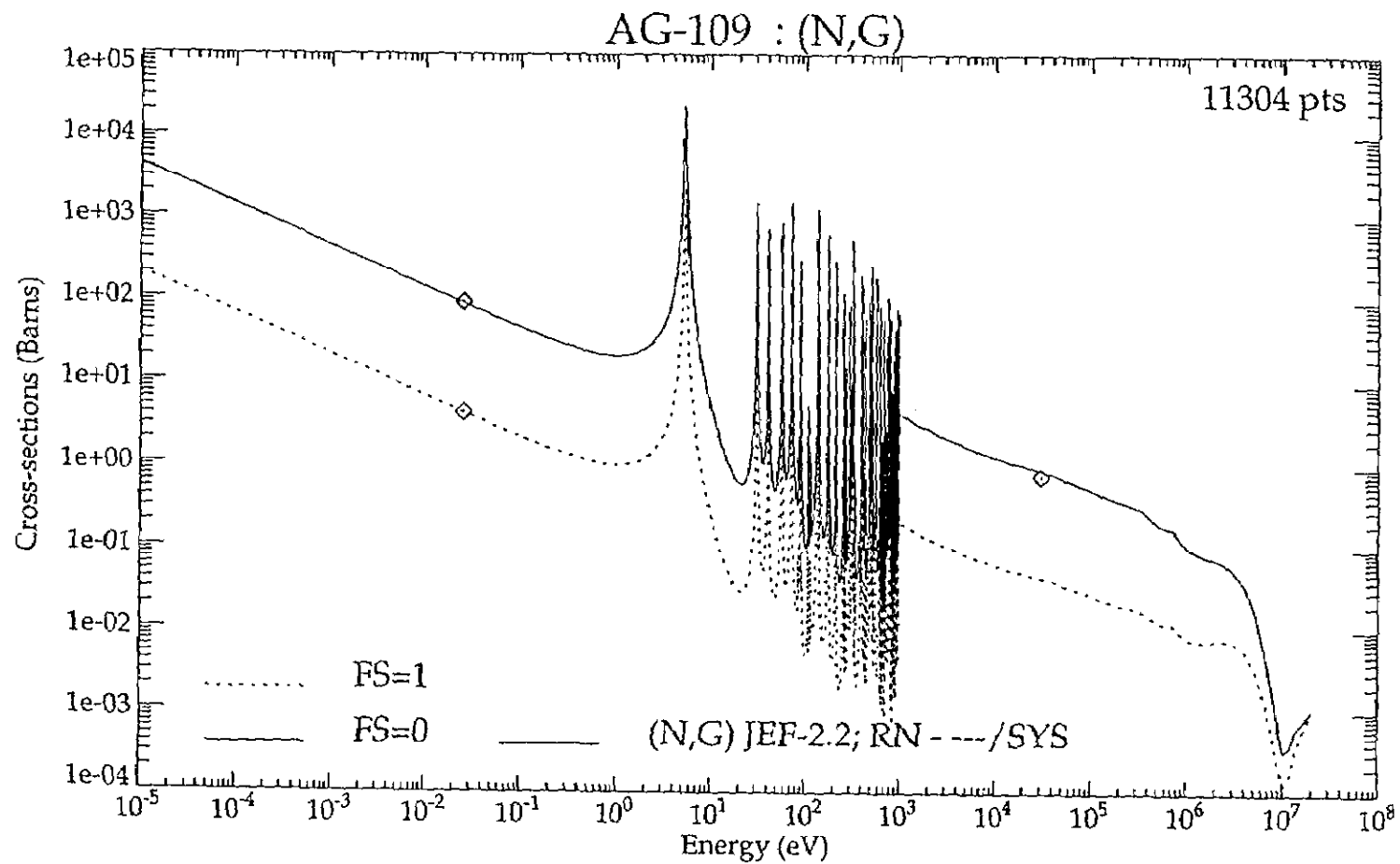
$^{109}\text{Ag}(n,\gamma)^{110}\text{Ag}$



^{109}Ag

24630008

24630009



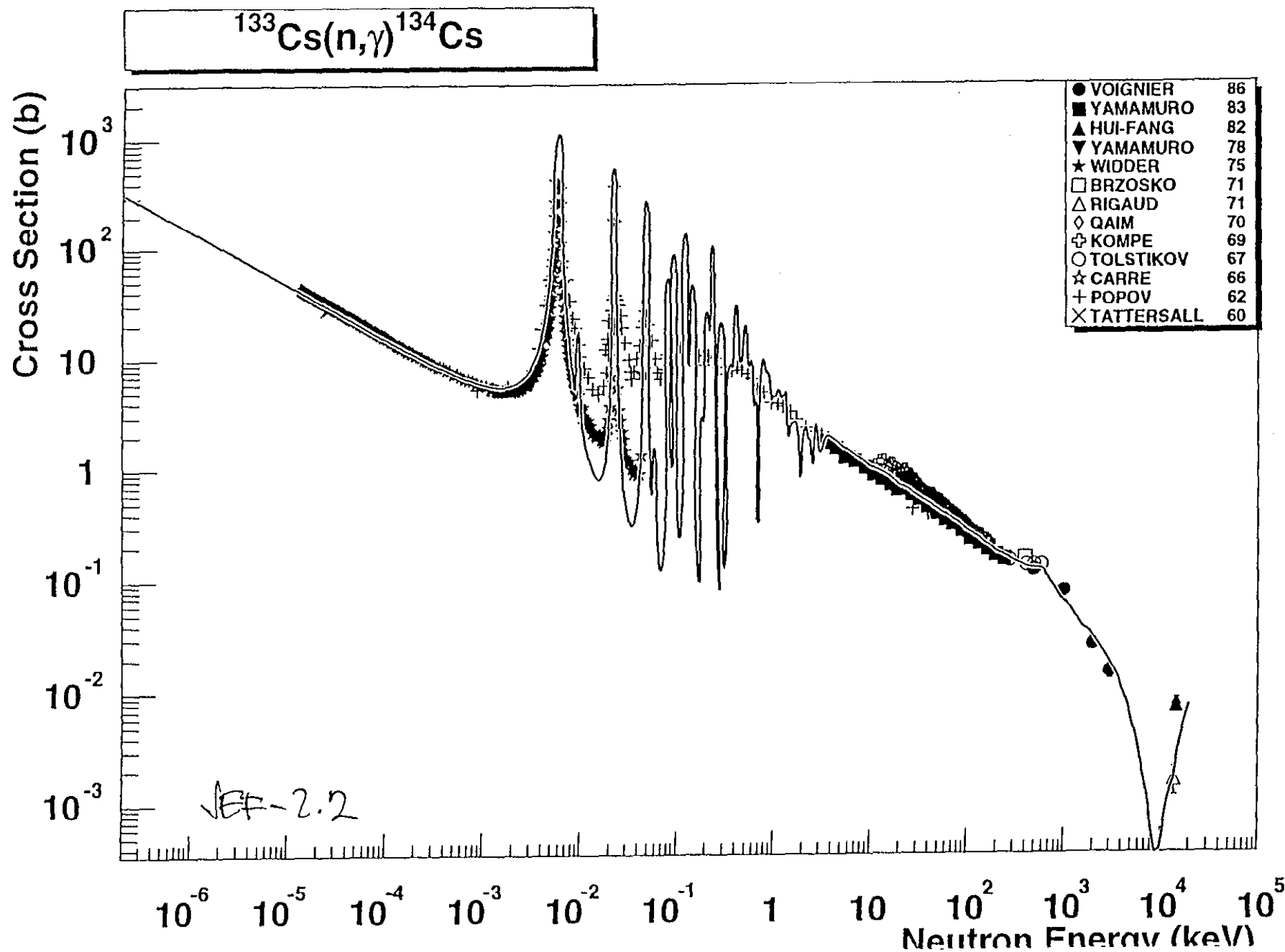
135

point wise

100 Ag

24630009

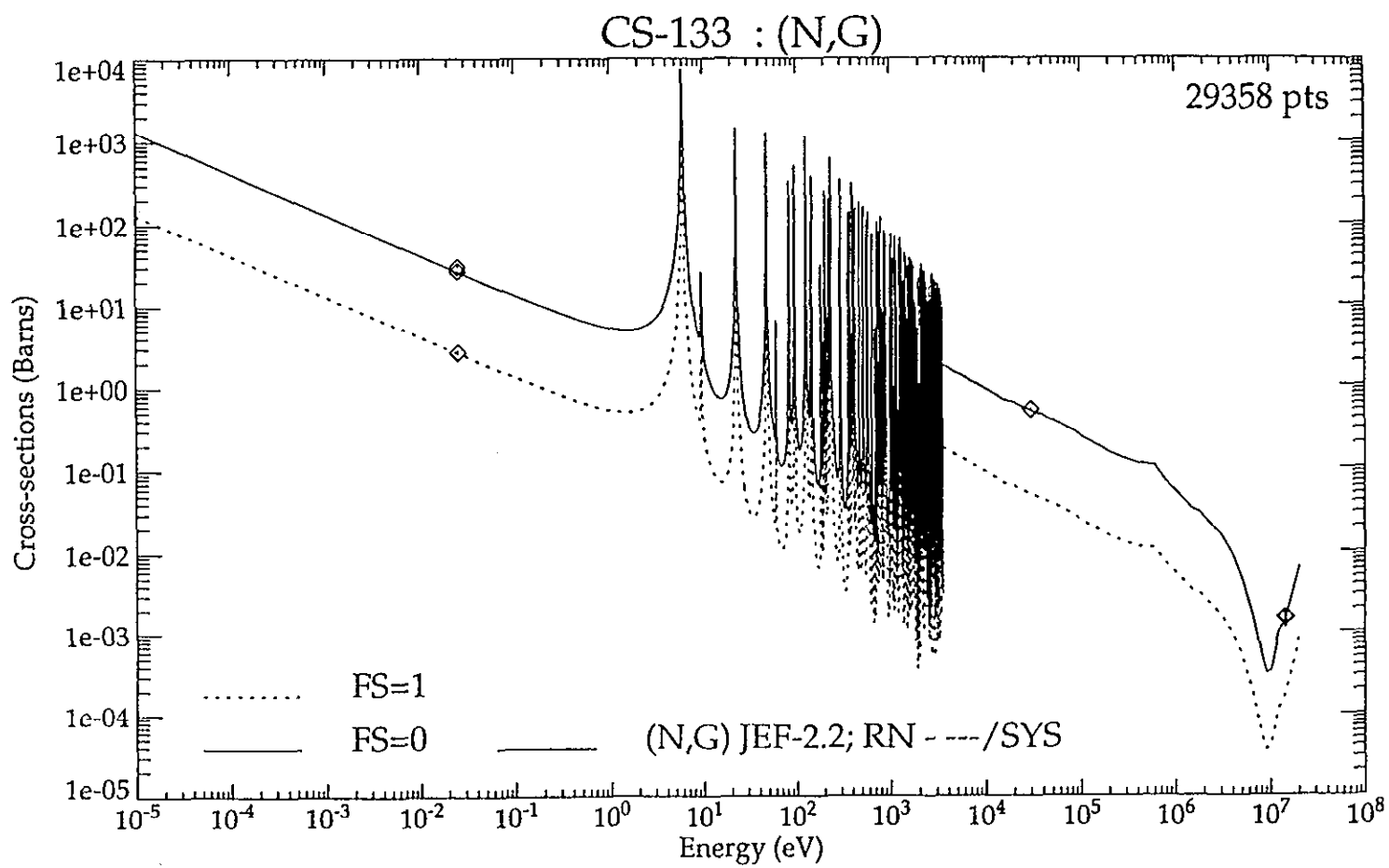
120L CRP



133 Cs

24630010

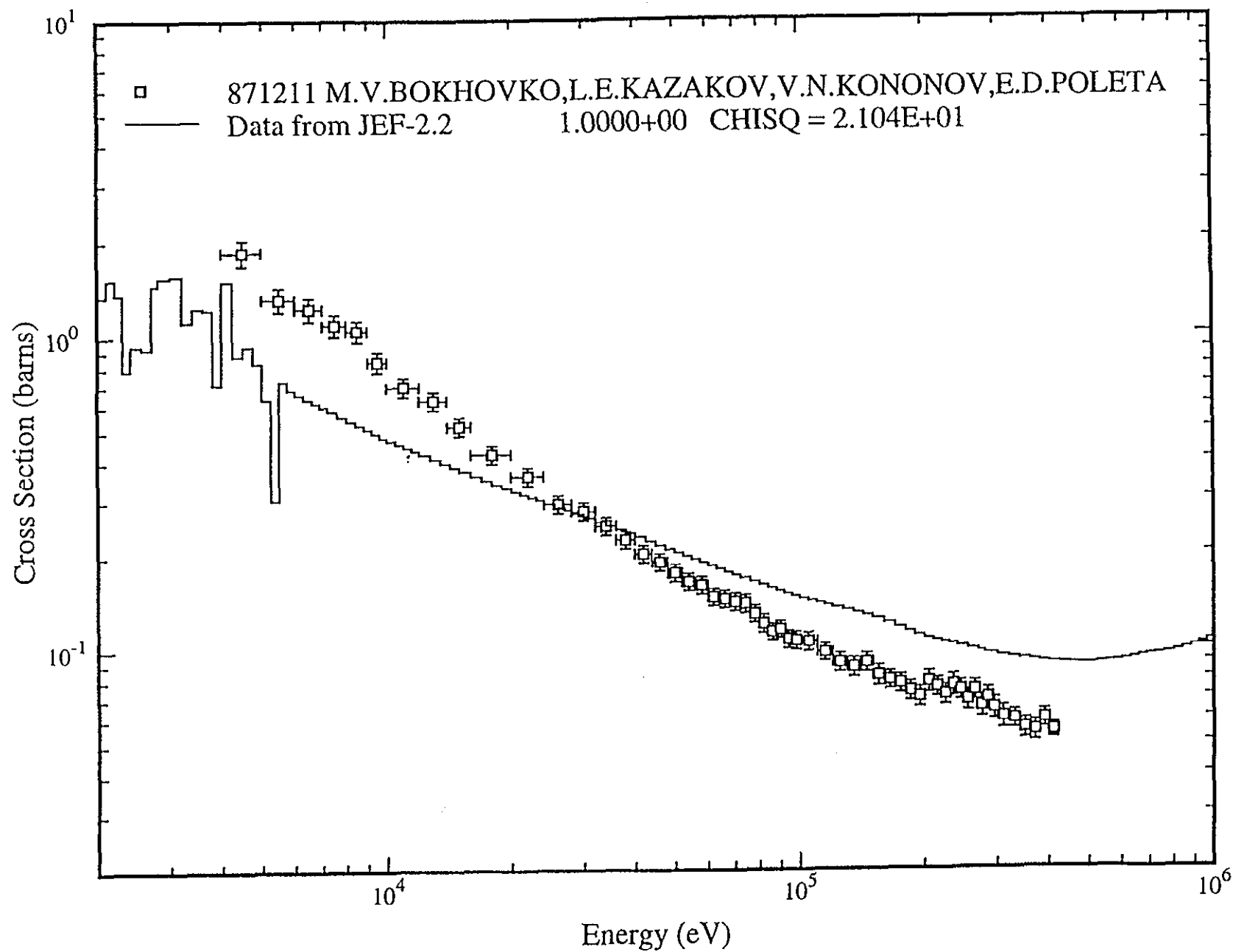
point-wise



13025

24630011

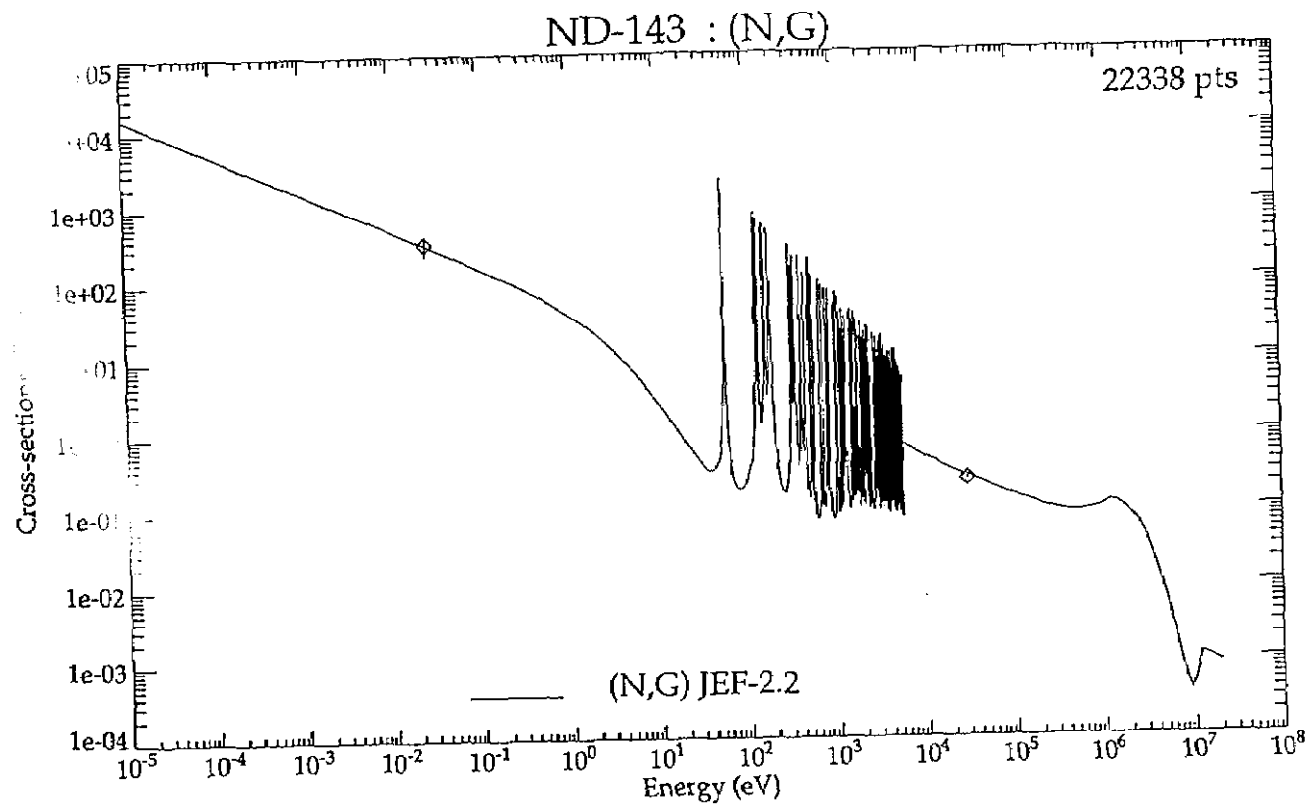
ECNAF-96 Activation Data for MT102 (curve)
vs. Measured Data for 60-ND-143(N,G)60-ND-144,,SIG,,AV



143ND

24630012

24630012

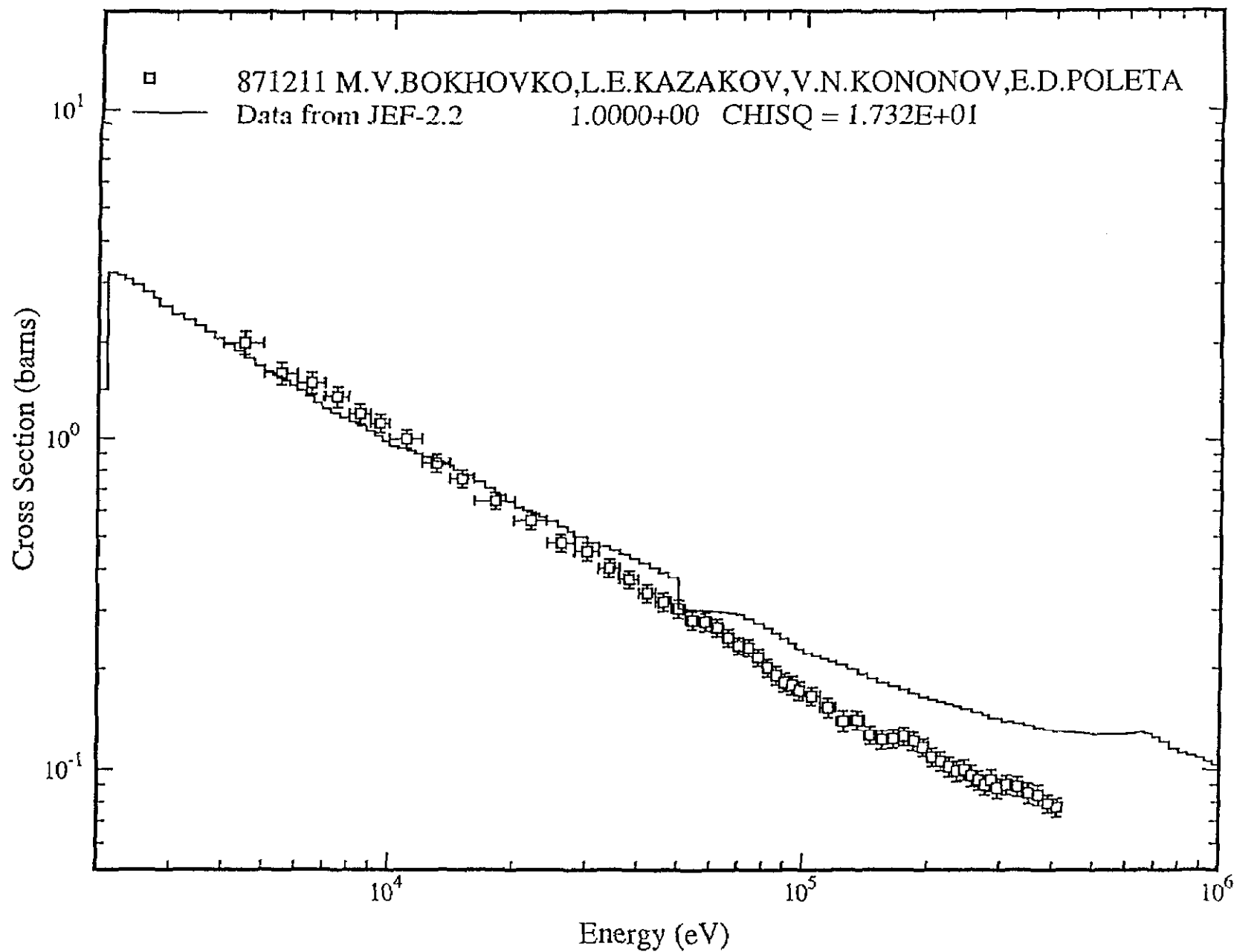


205

point wise

PN 841

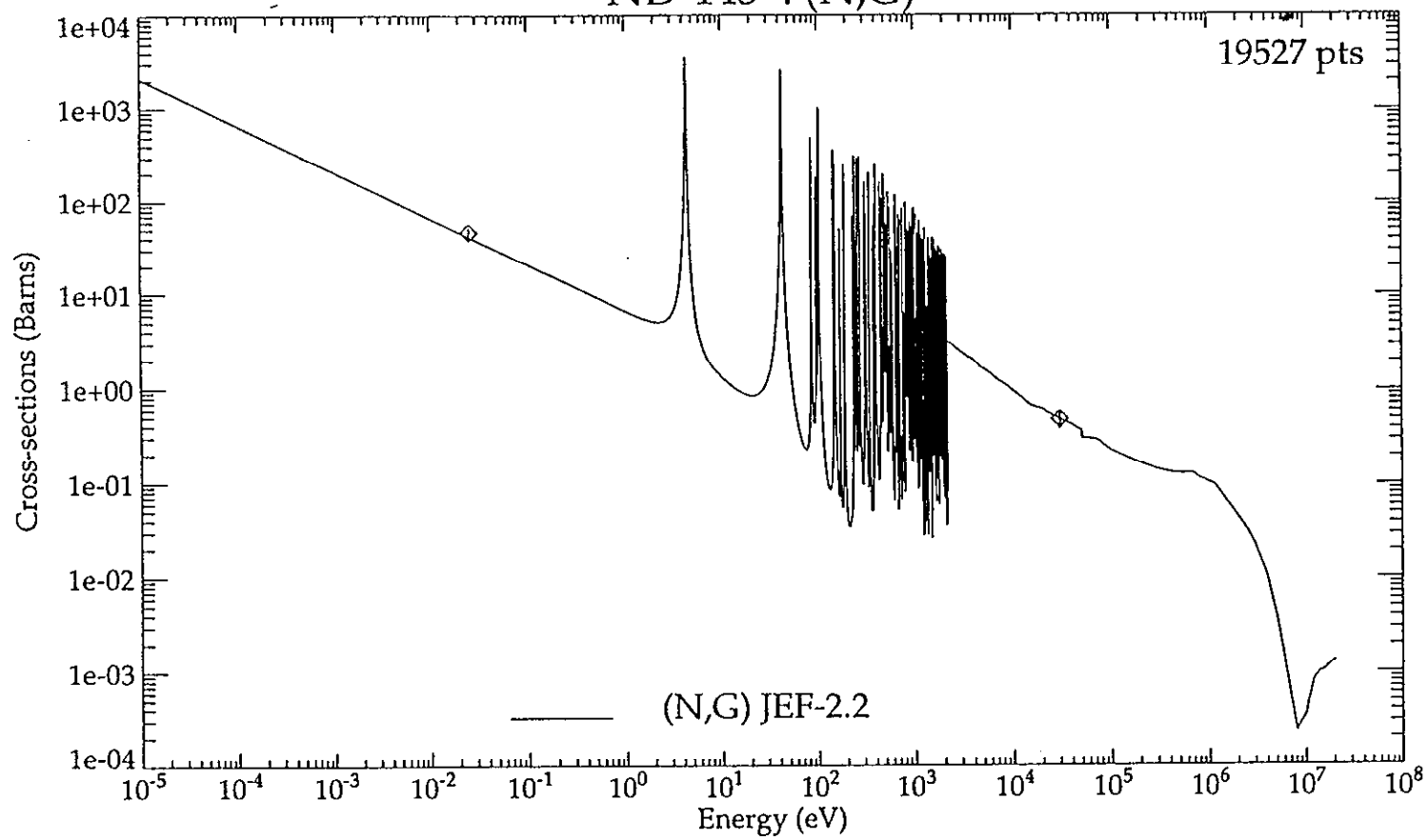
ECNAF-96 Activation Data for MT102 (curve)
vs. Measured Data for 60-ND-145(N,G)60-ND-146,,SIG,,AV



145 Nd

24630014

ND-145 : (N,G)



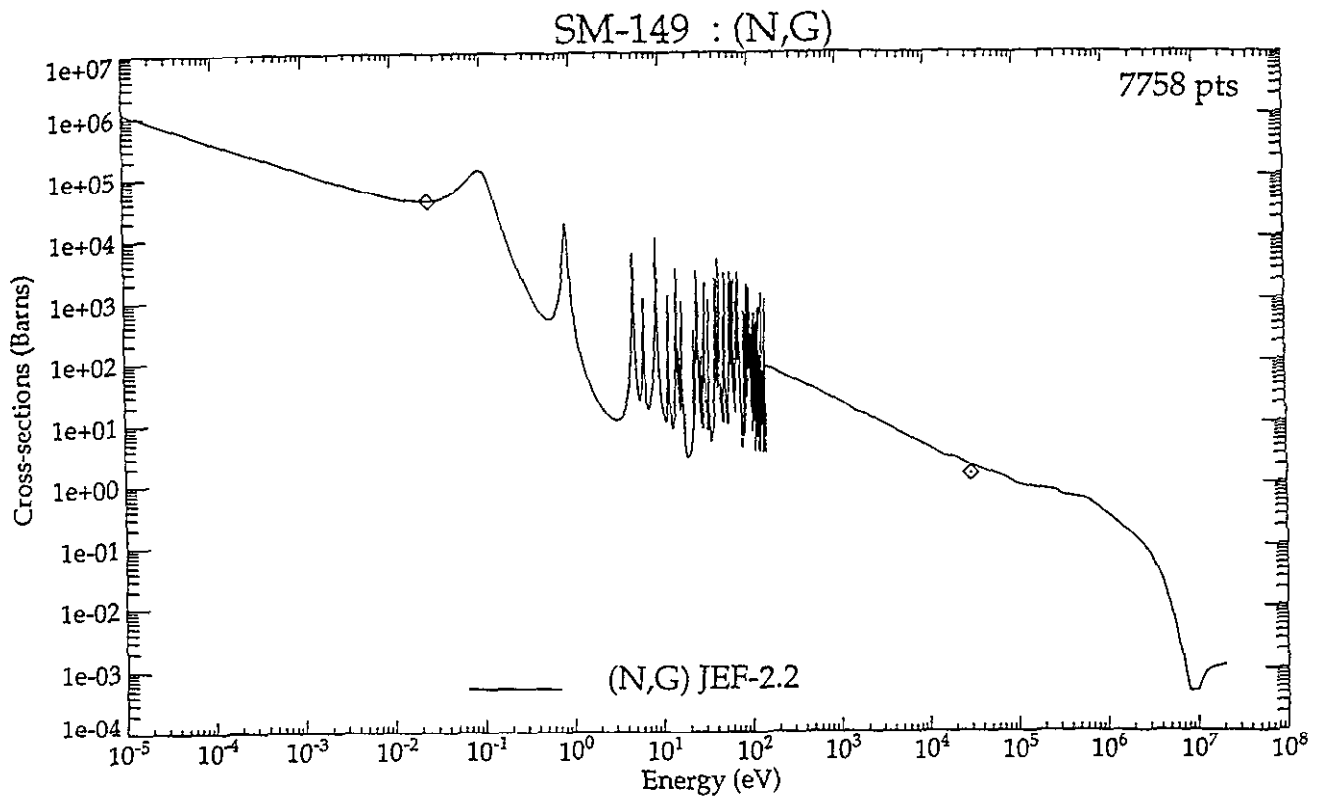
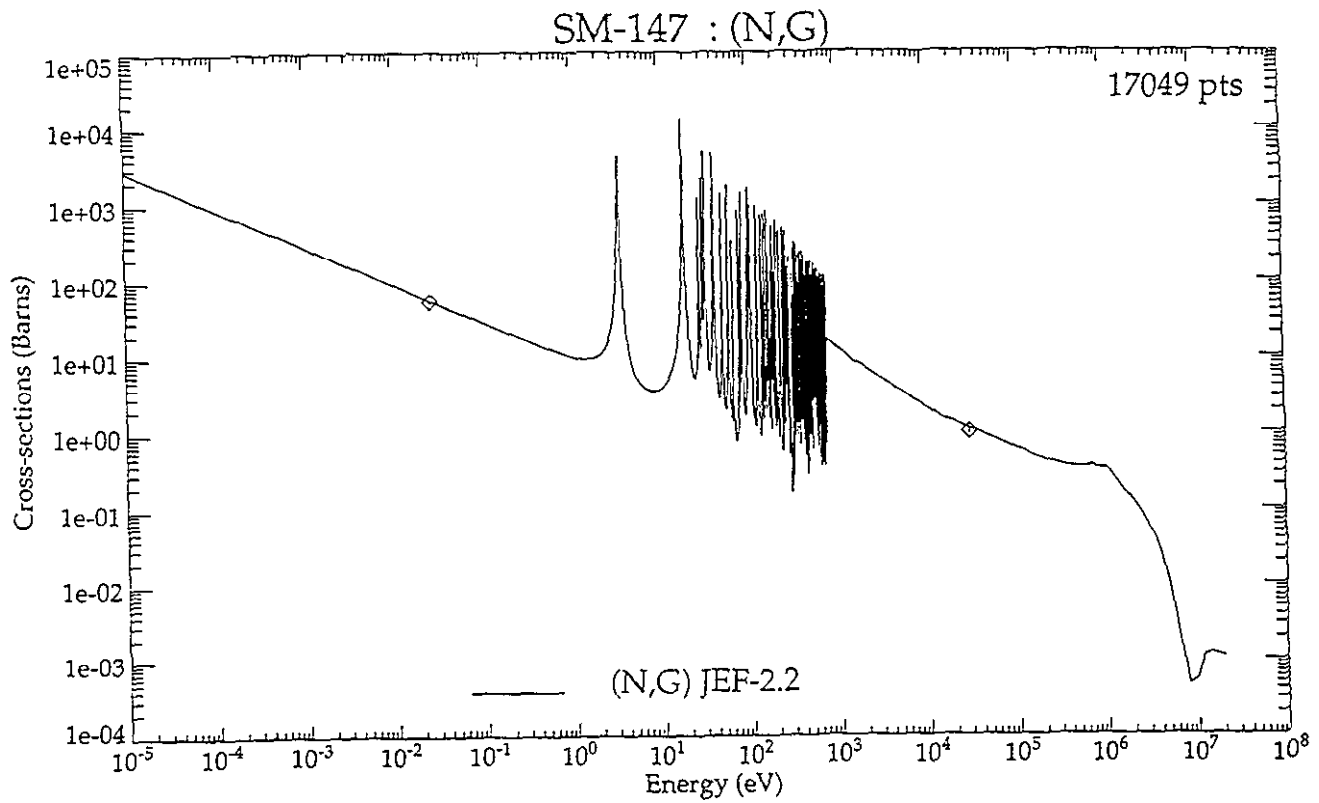
206

point wise

145 ND

24630015

147,149Sm

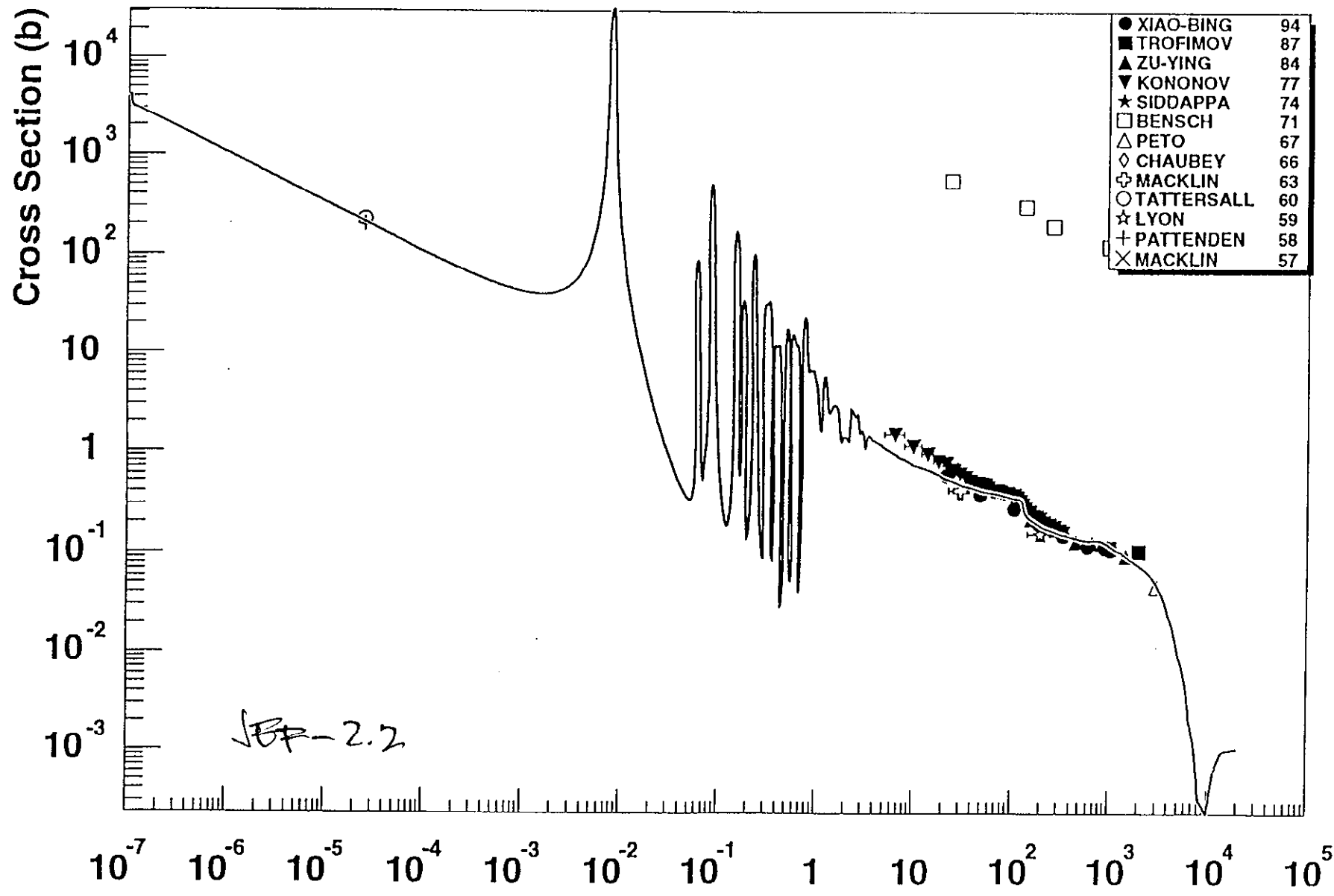


216

per EXFOR plots bij ons, well EXFOR data
voor Sm-149 zie TEN-R-8-013

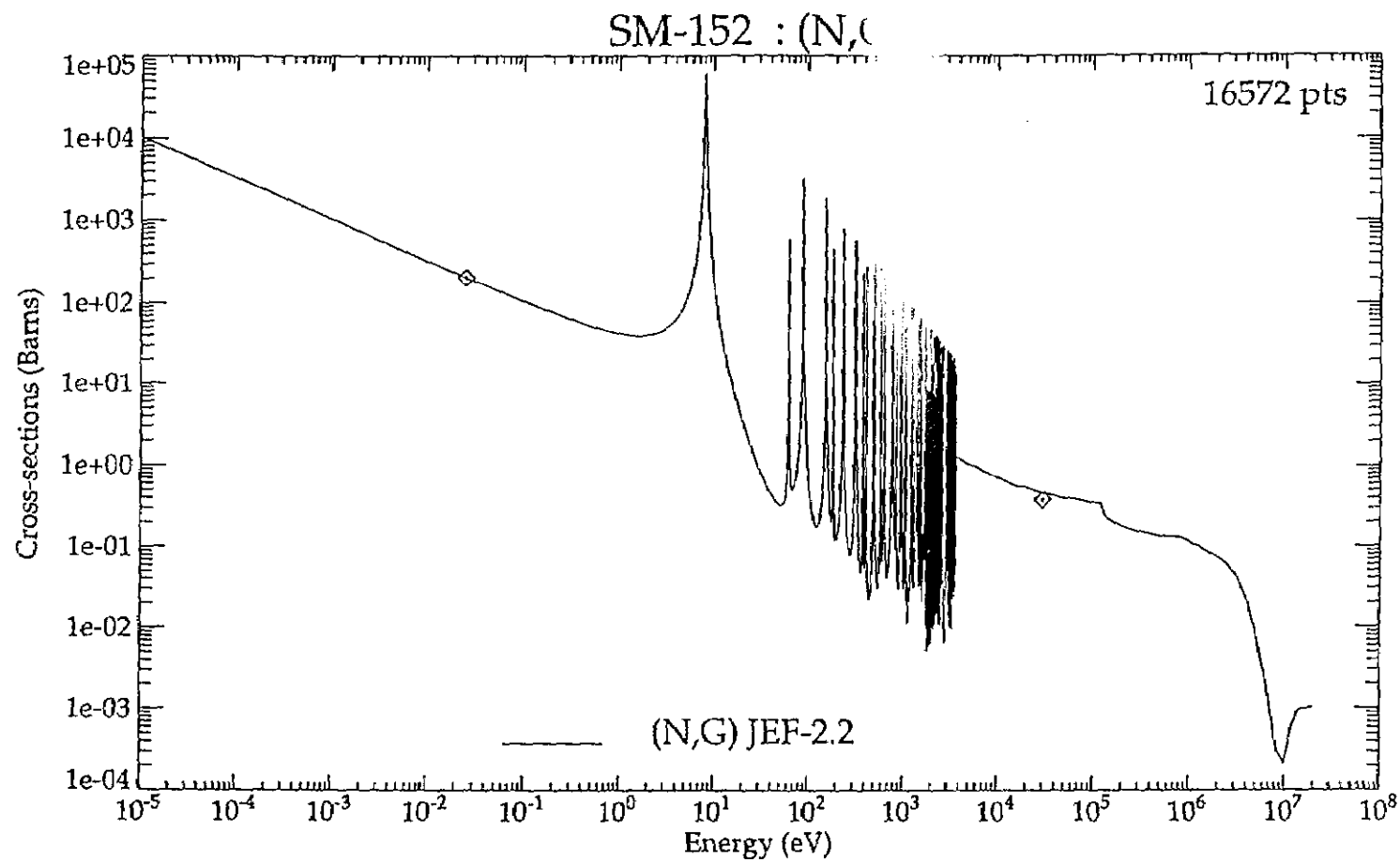
74530016

$^{152}\text{Sm}(n,\gamma)^{153}\text{Sm}$



24630017

^{152}Sm



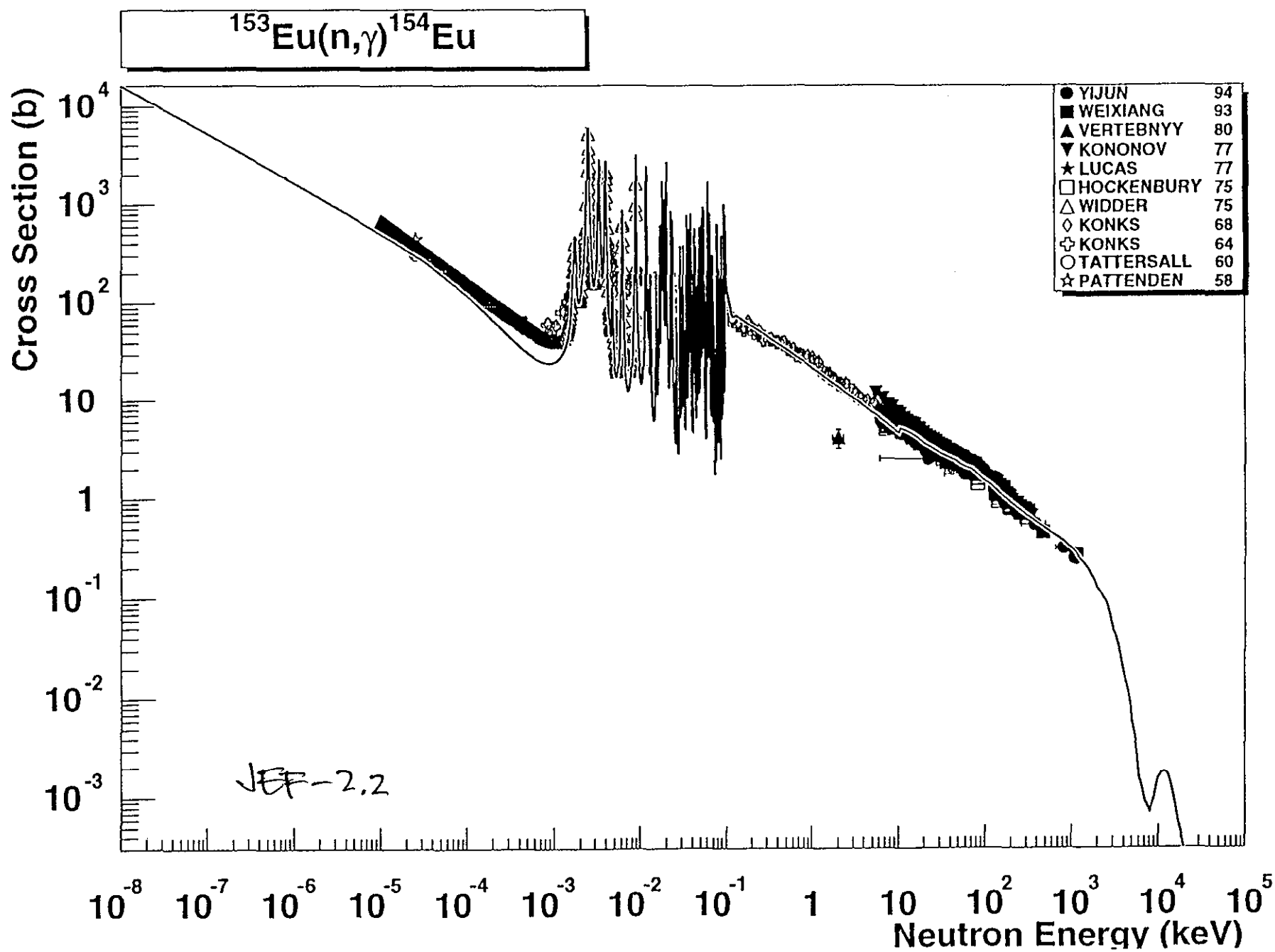
218

point wise

152 Sm

24630010

Plot source :
IRDL CRP at
IAEA

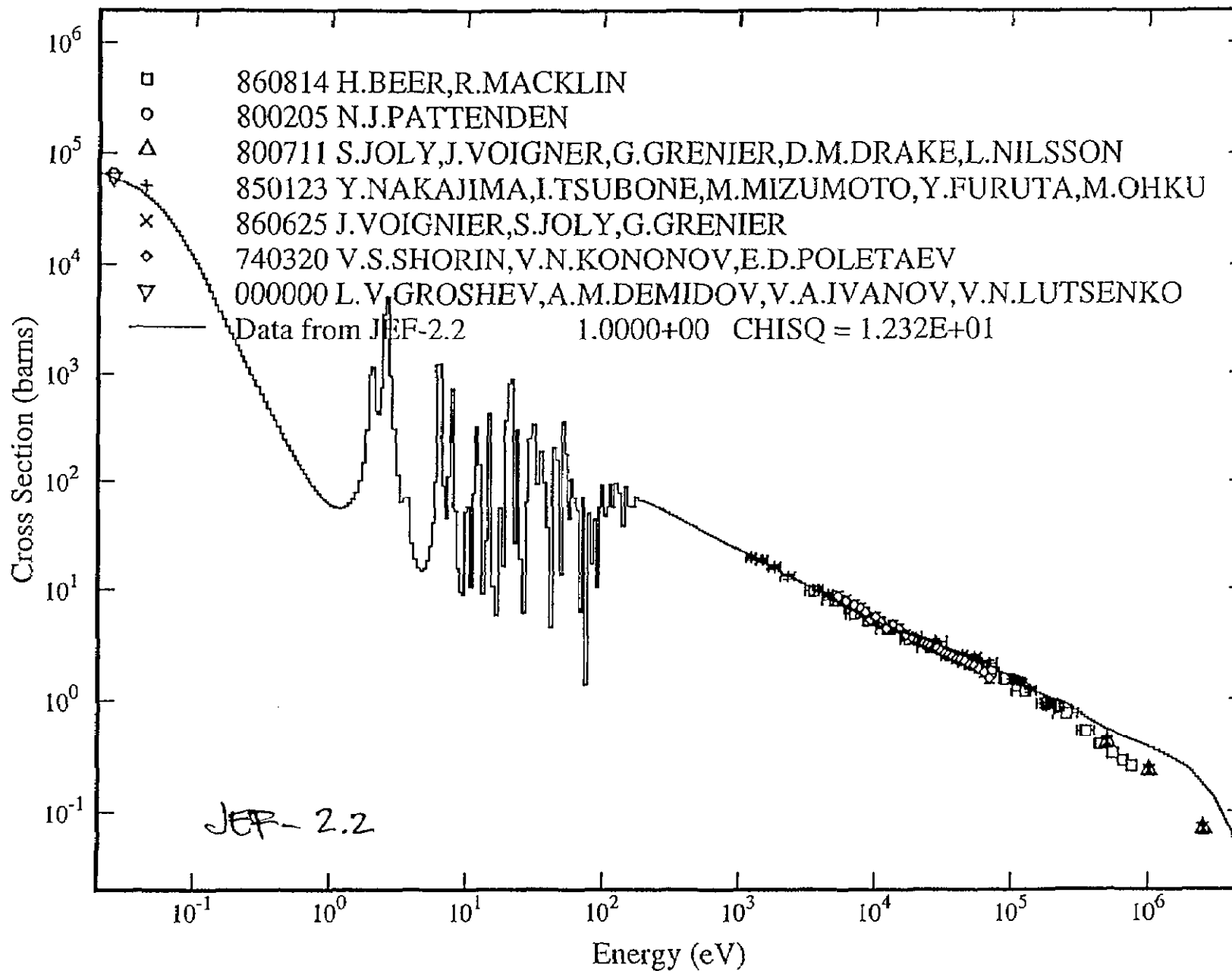


^{153}Eu

24630019

ECNAF-96 Activation Data for MT102 (curve)
vs. Measured Data for 64-GD-155(N,G)64-GD-156,,SIG

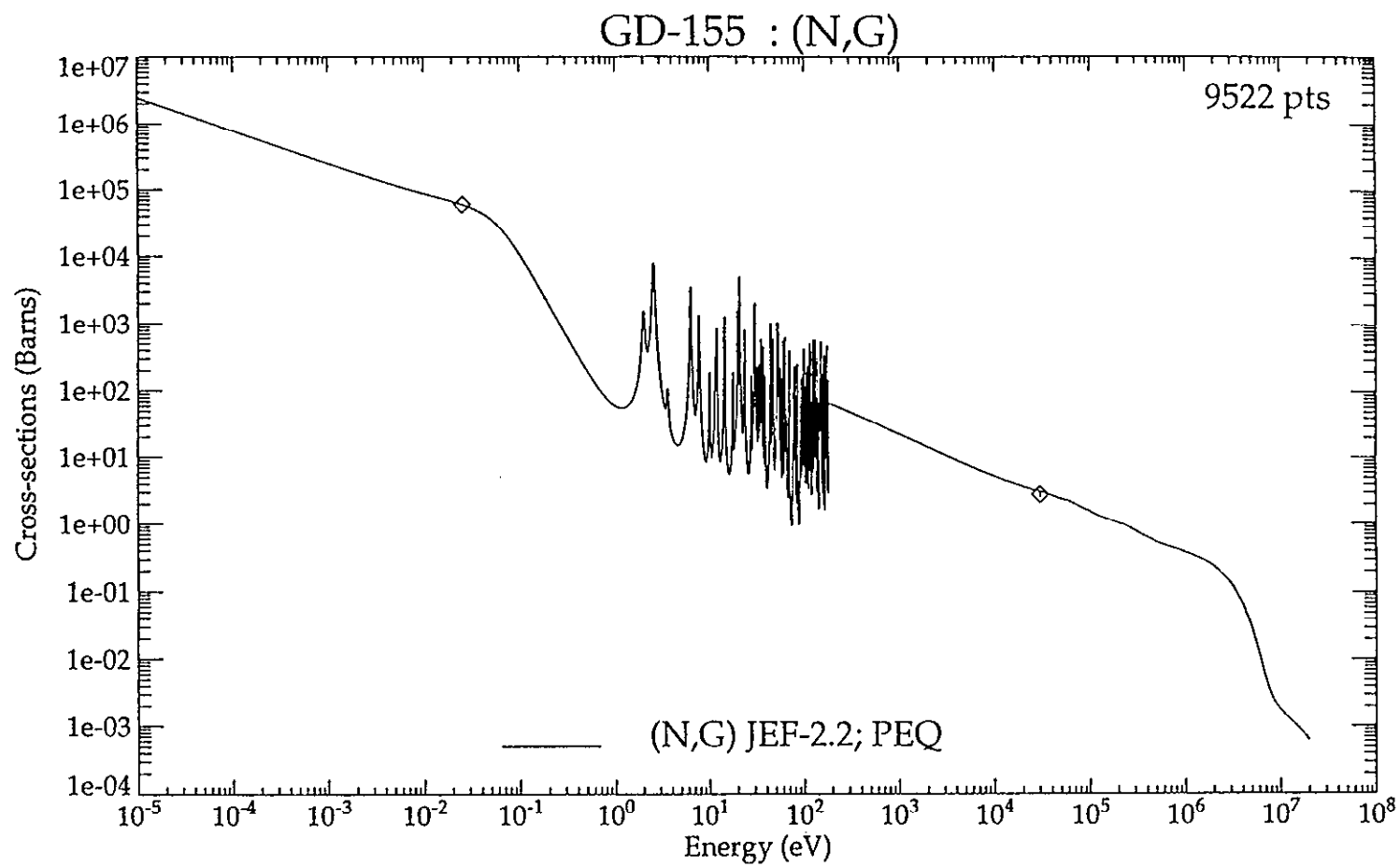
LANL



155 Ga

24630020

point wise



155Gd.

24630021