

Appendix I

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Table 1 Survey on participation in the Intercomparison by names, models, codes, calculational options and element and energy coverage

Table 2 List of Participants

Table 3 Survey on experimental cross sections used for the intercomparison. KR77 omitted generally for Au. All cross sections are cumulative if not otherwise noted as type „i“ for i or „d“ for d. An entry „p.c.“ indicates that the different references are partially contradictory.

Table 4: Listing of radioactive progenitors considered and of nuclear decay data used in the calculation of cumulative cross sections

Table 5 Coverage of target/product combinations by the different contributions.

Table 6 Average deviation factors of calculated from experimental data for energies between 1. and 50. MeV. For each reaction three entries are given: $\langle F \rangle$, F_{\min} and F_{\max} .

Table 7 Average deviation factors of calculated from experimental data for energies between 51. and 200. MeV

Table 8 Average deviation factors of calculated from experimental data for energies between 201. and 5000. MeV.

Table 9 Mean deviation factors for each contribution averaged over all reactions

Table 1 Survey on participation in the Intercomparison by names, models, codes, calculational options and element and energy coverage

plot code	participant	physical model employed	code used	options used	reaction cross section given	target elements						energy range [MeV]
						O	Al	Fe	Co	Zr	Au	
BE11	Betak	PE + EVAP via MASTER EQ.	PEQAG2 (extended)		no	-	-	X	X	X	X	50 - 200 (Fe, Co) 26 - 200 (Zr,Au)
BL11	Blann	PE + EVAP	ALICE 92	Fermi gas level densities	yes	X	X	X	X	X	X	7 - 200
BL12	Blann	PE + EVAP	ALICE 92	Chadwick level densities	yes	X	-	-	-	-	-	1 - 200
BL13	Blann	PE + EVAP	ALICE 92	Kataria-Ramamurty level densities	yes	-	-	-	X	-	-	1 - 200
BL21	Blann	HMS + EVAP	HMS-ALICE	Fermi gas level densities	yes	-	-	-	-	-	X	3 - 290
BL23	Blann	HMS + EVAP	HMS-ALICE	Kataria-Ramamurty level densities	yes	-	-	-	X	-	-	12 - 250
CM11	Chadwick & Young	FKK + EXCITON + HAUSER FESHBACH EVAP	FKK-GNASH	no evaporation of Be-7	yes	-	X	-	-	-	-	10 - 200
CM12	Chadwick & Young	FKK + EXCITON + HAUSER FESHBACH EVAP	FKK-GNASH	no evap. of H-3, He-3 and Be-7	yes	-	-	X	-	-	-	8 - 200
CM13	Chadwick & Young	FKK + EXCITON + HAUSER FESHBACH EVAP	FKK-GNASH		yes	X	-	-	-	-	-	15 - 200
CS11	Chiba	QMD + SDM	QMDRELP+SDMRELP			X	X	X	X	X	X	50 - 5000
FL11	Flament	INC + EVAP	HET/BRUYERE		no	-	X	X	X	X	X	50 - 200
FO11	Fotina	INC + MSM	PACE + MSM		yes	-	X	X	X	X	X	100 - 300 (Al), 800 (Fe, Co), 900 (Zr), 1000 (Au)
FR11	Fraenkel	INC + EVAP	ISABEL-EVA	local thomas fermi density approximation for momenta	yes	-	X	X	X	X	X	100 - 1000
FR12	Fraenkel	INC + EVAP	ISABEL-EVA	uniform thomas fermi density approximation for momenta	yes	-	X	X	X	X	X	100 - 1000
GL11	Gloris	PE + EVAP (GDH)	AREL	Myers-Swiatecki (MS) masses	yes	X	X	X	X	-	-	10 - 900
GL12	Gloris	PE + EVAP (GDH)	AREL	exp. + MS masses + shell corr.	yes	-	X	X	X	X	X	10 - 900
IS11	Ishibashi	INC + PE + EVAP + FRAGMENTATION	HETC-FRG		no	X	X	X	X	X	X	10 - 5000
KA11	Kazaritsky	INC + EVAP	INUCL		yes	-	X	X	X	X	X	4 - 5000
KO11	Koning	FKK + EVAP	MINGUS		yes	-	-	X	X	X	X	8 - 200
LA11	Lange	INC + SMM + EVAP	ISABEL/SMM		yes	X	X	X	X	X	X	200 - 5000
MA11	Mashnik	INC + PE + EVAP	CEM 95		yes	X	X	X	X	X	X	10 - 5000
MI11	Michel	INC + EVAP	HET-KFA2		yes	X	X	X	X	X	X	200 - 5000
MI21	Michel	TSAO & SILBERBERG SYSTEMATICS	SPALL (modified)/YIELD		no	X	X	X	X	X	X	10 - 5000
SH11	Shubin	PE + EVAP	ALICE -IPPE		yes	-	X	X	X	X	X	3 - 100
SH21	Shubin	INC + EVAP	CASCADE		yes	-	X	X	X	X	X	50 - 5000
SH31	Shubin	INC + EVAP	DISCA		yes	-	X	X	X	X	X	14 - 800
SO11	Sobolevsky	INC + PE + SMM + EVAP + FERMI BREAKUP	MSDM		yes	X	X	X	X	X	X	1 - 5000
TA11	Takada	INC + PE + EVAP	HETC-3STEP		yes	X	X	X	X	X	X	15 - 5000
YO11	Youinou	INC + EVAP	MECC7 + EVAP_F		yes	X	X	X	X	X	X	100 - 3000