version	date	E description	database plot	new masses, new database	database util modification	other modifications	help	sänq	official	options, onfigurations	RF_buncher, RESOLUT	transmission	Solenoid	Excitation, Evaporation, AA	secondary reaction	NSCL & FRIB yields	RF-kicker	EPAX3	Assymetry momentum
9.5.0.6	03/06/13	1 decreased log threshould down to 1e-25 for 2d(id-25) plots	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.5.0.5	03/06/13	1 modification for dME field (instead 15 use 16 everywhere)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.5.0.4	03/06/13	1 new database (d T1/2)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.5.0.3	03/06/13	1 "ys" time in T1/2 dbf - yoctosecond 10^-24	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.5.0.2	03/06/13	1 dME filed is reserve @ DBF-file for d_T12 field	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.5.0.1	03/06/13	help for fission_barrier	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
9.5.0 9.4.112	03/05/13 03/05/13	1 new official version 1 lise2013.dbf modification mu -> u , checking	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.111	03/05/13	1 Private string in T12 2d plots	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.110	03/04/13	1 Private string flag in T12 2d plots	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.109	03/04/13	1 Options file A1900_2013.lopt and lise_opt_cpp have been modified for plotting A1900 detectors	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.108	03/04/13	1 Plotting the private T12 string in ShowCalc subroutine	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.107	03/04/13	1 transmission calculations up to LAST optical block, not for LAST Q-optical block — come back to 9.4.94 version	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9.4.106	03/03/13	1 new DBF time option "private"	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.105	03/03/13	1 User AME2012.lme 1 lise2013.dbf update	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.104	03/03/13 02/28/13	1 RF_Buncher : revision for Graph_goodies and analytical calculations	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.102	02/28/13	1 The "About" dialog modification	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.101	02/28/13	1 RF_Buncher - configurations revision	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.100	02/27/13	1 RF_Buncher - analytical calculations	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.099	02/27/13	1 RF_Buncher for Graph_goodies	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.098	02/27/13	Pairing energies (P_x) plots	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.097	02/26/13	1 Fixed: bug with contour projection in MC mode (request of Michael Pfeiffer, Koeln)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
9.4.096.1 9.4.096	02/26/13 02/26/13	1 user_mass_excess_2012.lme new mass file 1 lise2013.dbf main dbf file. in this version is just a copy of lise.dbf	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.095	02/26/13	1 a1900_2013 option and configuration files. previous version are relesed from the package	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.094	02/22/13	1 transmission calcualtions not up to next optical block, only for Q-optical block	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9.4.093	02/18/13	1 angular straggling plot modification	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.092	01/30/13	1 Acculinna2 extended configuration and example	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.090	01/30/13	1 RESOLUT configuration update	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.089	01/28/13	1 Optics Quad Setup : corrections for second order labels	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
9.4.088	01/28/13	1 Fixed: bug in read/write buncher subroutine	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
9.4.087 9.4.086	01/28/13 01/24/13	1 Resolut 3gap configurations 1 Bug in the case charge state & stripper. Zbignew's file D4 distribution IT WAS HAPPEN IF THE OPTION SET "NO(ONL')	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.085	01/24/13	1 Corrections for Plot25 due to abundance values in other modes	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.084	01/23/13	1 Buncher block again became Optic (before it was drift)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.083	01/23/13	1 Solenoid block : LengthWienFilter modification	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
9.4.082	01/23/13	1 Solenoid block dialog : changes in length message	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
9.4.081	01/23/13	1 Help link at Solenoid dialog	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
9.4.080.1	01/21/13	1 GXPF1B & GXPF1B5 masses	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.080	01/18/13 01/18/13	1 RESOLUT.Icn in config 1 Corrections for the General propeties dialog concerning to Quads (Solenoid case)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.078	01/18/13	1 RF buncher : tempoary is daughter of the Drift block	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.077	01/13/13	1 RF buncher : tuning method	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.076	01/09/13	1 RF buncher in MC	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.075	01/03/13	Abundance database and Table.iso file and some modifications in W_ShowCalc	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.074	01/02/13	Abundance of stable isotopes in T1/2 plot	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.073	01/02/13	Database time scale has been updated from 10^-21	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.072 9.4.071	01/02/13 12/18/12	1 Discovery file has been changed 1 floate draw one dimensional distributions ("DistrGraph?") in the Plot of Methods dialog	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.070	12/13/12	1 flag to draw one-dimensional distributions ("DistrGraph2") in the Plot d_Methods dialog 1 Corrections for some SHE decay. Request of MT	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.069	11/12/12	1 Excitation energy plot : modification for titles	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.068	12/10/12	1 modification for erros in output file from Plot	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.067	12/07/12	1 titles for evaporation plots to show Mass model; Evaporation calculator : modification	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.066	11/30/12	decay analysis modification (evap+res -> Parent) and for Init Cross section changes	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.065	11/29/12	1 inter2 - distribution2 modification	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9.4.064	11/29/12 11/20/12	1 inter2 - distribution2 modification 1 correction in AbarationAblation for Beaakup circle inter2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.062	11/20/12	1 correction in AbarationAblation for area i_center_simple(k,daugh[i]->NN()>=32); @ distribution2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.061	11/20/12	1 fission NP increased for n-evaporation	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.060	11/19/12	1 modification in thermalization subroution for new axis	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.059	11/09/12	1 RGD - plot more digits in output file	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.058	11/09/12	1 corrections for _o_mass.cpp to take && index <= db_BE_A	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.057	11/06/12	1 New Dx database calcualted values	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.056	10/30/12	1 New Dn and Dp database calcualted values 1 Dead (Write in Ite file correction for EPA) mode	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.055 9.4.054	10/30/12 10/29/12	1 Read/Write in/to file correction for EPAX mode 1 Modifications in the "Global" code and in LISE_global.dll	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.054	10/29/12	Modifications in the "Global" code and in LISE_global.dil Secondary reactions : accountig reduced cross sections in the 1D-mode	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.052	10/26/12	1 NRV - partner site from F-Fission , F-residue, Kinematics dialog, from Help menu	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
9.4.051	10/26/12	1 New user ME files: AME2011 & AME2011+GXPF1 (Z=16-22)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.050	10/25/12	1 AA correction for Breakup channel	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.049	09/20/12	1 No FTP server more. Download from HTTP	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
9.4.048	09/18/12	1 Correction for DB plots (extrapolation for User ME mass correction)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.047	09/12/12	1 Update: Analysis of prefragment plots	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.046	09/11/12	1 fix of iso-files (table2012, discovery_lab)	U	1	U	U	U	U	0	U	U	U	U	0	0	U	0	U	0

9.4.045	09/06/12	1	modification option of thermalization time coefficient @ The EE dialog	Λ	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.044	08/30/12	1	thermalization of excitation energy based on Galmard & Schmidt based on NPA531 (1991) 709	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.043	08/30/12	1	AA cancel from CS plots	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.042	08/29/12	1	G_CalcReaction new revision + is shown in right bottom gadget	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.041	08/28/12	1	Batch mode: shift +2 for Fragmentation, No optimum target by default	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.040	08/28/12	1	EPAX_SR test for new SR calculations	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
9.4.039	08/28/12	1	EPAX_SR for secondary reactions only SR Dialog, options file, lpp file	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
9.4.038	08/28/12	1	REvision for Secondary Reactions in AF case -> o_SR.cpp no changes	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
9.4.037	08/28/12	1	Checking of primary AF region in CmSecondaryReactions in MainWindow.cpp	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
9.4.036	08/28/12	1	G_CalcReaction is shown in the ShowSetup window	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.035	08/27/12	1	Corrections for G_CalcReaction in the case of AF from the AF dialog (fixed)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
9.4.034	08/24/12	1	Plot of NSCL and FRIB beams and links	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
9.4.033	08/14/12	1	Plot of NSCL and FRIB rates	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
9.4.032	08/14/12	_ 1	Analysis of prefragment plots	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.031	08/01/12	_ 1	Prefragment ONLY for default options	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.030	07/31/12	_ 1	possibitly to turn of a,p,n channels	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.029	07/26/12	- 1	S_d & S_t plots	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.028	07/26/12	- 1	Links on pdf-file pages from Evaporation and AA-CS fit dialogs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.027	07/25/12	- 1	creation of parent initial prefgrament plot for AA	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.026	07/25/12	- 1	Invalidate in ShowSetup "target" rectangle for AA or AF rate update AAs comparison correction for Npevap	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.024	07/18/12	- 1	Utility plots for for RF-buncher plot	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.024	07/18/12	1	help links for Decay Analysis dialog	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
9.4.022	07/13/12	1	RF-separator correction: instead r->Gtv_real	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
9.4.021	07/12/12	1	new block RF_buncher dialog	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
9.4.020	07/10/12	1	New excitation plot with PCN option for Fusion-Residueal and Fusion-Fission	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.019	07/06/12	1	option to take into account the probability for compound nucleus formation P_CN (E,I) V.Zagrebaev & W.Greiner, PRC	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.018.4	07/06/12	1	c.2 RF-kicker MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
9.4.018.3		1	c.1 RF-kicker analytical no yet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
9.4.018.2		1	b. real MC for RF timing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
9.4.018.1		1	a.sigma = bunch/2.36 for GoodiesPlot, for PseudoMC	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.018	07/06/12	1	no RF resolution in plot options, new bunch length in the beam dialog	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.017	07/05/12	1	menu Options has been modified + Fission Barrier	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.016	06/25/12	1	new spontaneous fission formula - Karpov - Zagrebaev	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.015	06/25/12	1	non-equilibrium case for Global -> Q_INIT = max(Z - 28, Q_INIT)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.014	06/25/12	1	Zp_power for Leon's model (G_LeonP)	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.013.2		1	new default option file A1900_2012.lopt	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.013.1		1	new option file GSI_FRS_2012.lopt	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.013	06/18/12	_ 1	new option file A1900_2012.lopt = A1900_2010 + EPAX3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.012.1		_ 1	new GSI configuration "FRS - TA2 - CaveC (2012).lcn"	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.012	05/11/12	_ 1	Charge states: Zp coef for Baron formula	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.011	05/01/12	- 1	e-format for output ttransmission file	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.010	04/30/12	- 1	Revision of AA	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.009	04/29/12	- 1	more intense daughter for Evaporation Calculator, modification of PD-file EPAX3 in Excel	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		0
9.4.008	04/27/12	- 1	EPAX3 IN EXCEI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
9.4.007	04/23/12	- 1	Gauss -7*sigma for AA, if CSinit >0, init file comments for pickup	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
9.4.005	04/17/12	- 1	RenewBlocks Message instead RedrawScheme for FaradayCup checkbox	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.004.3		1	b. extended configurations : beam emittance, tuning dipole after target, I2-wedge	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.004.2		1	a. wedge defect thickness = 0.3%	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.004.1	04/17/12	1	* all A1900 configurations have been changed:	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.004.1	03/16/12	1	* New S800 extended configuration	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.4.003	03/16/12	1	new LISE++ site lise.nscl.msu.edu - do not forget new download	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
9.4.002	03/15/12	1	Fixed: calculated transmission has been cleared during reading file from disk	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
9.4.001.2		1	Asymmetrical gaussian momentum distributions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9.4.001.1		1	"Edit" and "Statics" different frames in the Fragmentation dialog	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.4.001	03/13/12	1	"EnableWindow" instead "SetReadOnly" for velocity and sigmas in the Fragmentation dialog	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.3.9	03/13/12	1	Convolution Momentum distributions analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9.3.8	03/06/12	1	Correction in the Dispersion method for secondary target	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9.3.7	03/02/12	1	Address "groups" has been changed. Avoid message !!!!	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
9.3.6	02/28/12	1	Apperture for RotationBlocks are disable by default	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9.3.6	02/22/12	1	LowMatrixLimit set to 1e-10. It is not applied for RotationBlocks	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9.3.6	02/22/12	1	PassAperture : Fixed FLAG for X-use! Important!!!!	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9.3.6	02/22/12	1	If Length of Block <= 0 bounds are used just in one poind as slits! Important!!!!	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9.3.6	02/22/12	1	Enevelope plot: axis title has been changed	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9.3.5	02/22/12	1	New properties of identification and label fonts for 2D-plots	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.3.4	02/16/12	_ 1	Check for old calcualtions	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.3.3	02/14/12	_ 1	The Preference dilaog : choice of working directory for privileged users	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.3.2	01/23/12	_ 1	Writing Work_In_ROOT parameter in LISE.ini file	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.3.11	01/20/12	_ 1	Faraday cup — possibility to make it disable from the Setup window	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
9.3.10	01/09/12	1	Optimization of Global matrices recalculation	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9.3.1 9.3.0.1	01/09/12	1	Inititalization of the el_density array moved at start	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
9.3.0.1	01/06/12	1	New GSI configuration files New official version	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
5.5.0	01/00/12	1	Ten omour resulti	7	13	9	28	3	7	6	12	13	11	4	22	4	2	4	2	2
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