LISE$^{++}_{cute}$: v.17.9 from 11/10/2024

- Update of ARIS saveset reading utility
- Hybrid model for transmission calculations with the Distribution model [**link**]
- Exponent mode in the Triangle convolution model (Excitation energy model #2) [**link**]
- dBE-systematics update [**link**]
- Implementation of the Beam Dump object in BD 3D-plot
- All modifications : from 17.8 to 17.9
- *Links on the previous version v.17.8, 17.7, 17.6, 17.5, 17.3, 17.2*

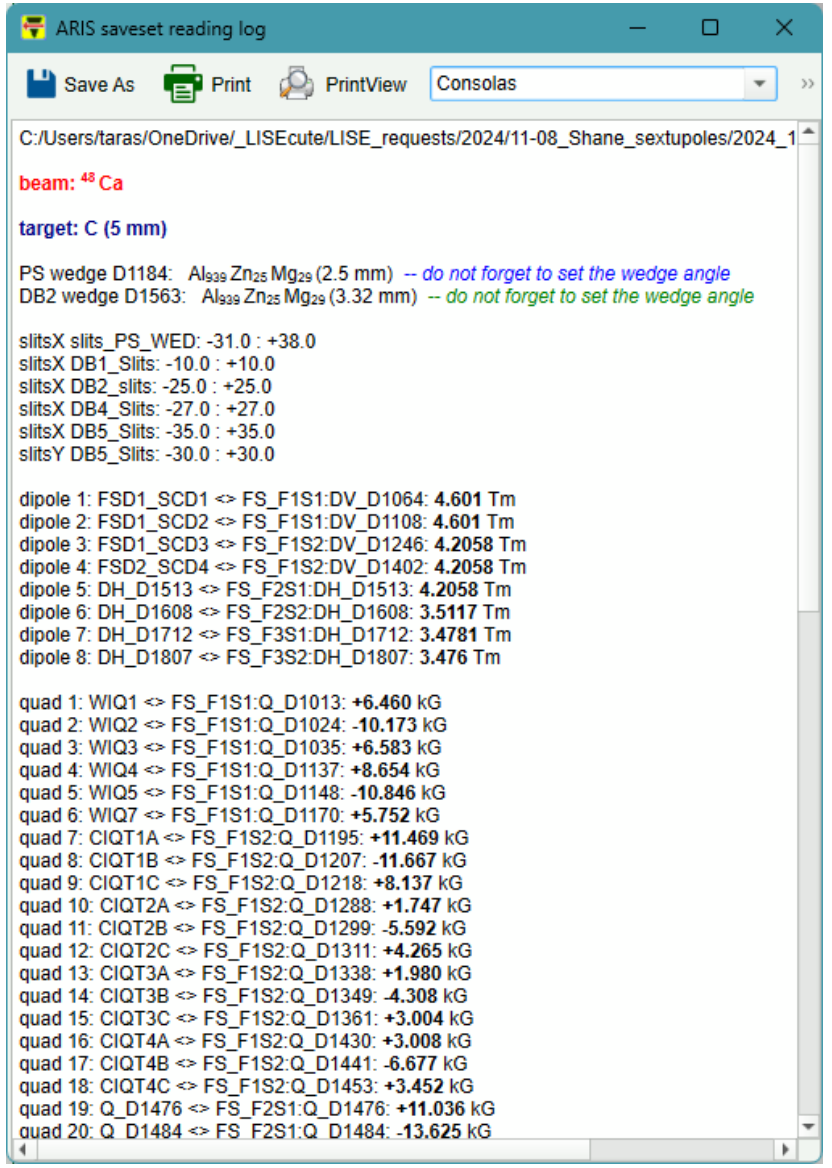
Update of ARIS saveset reading utility

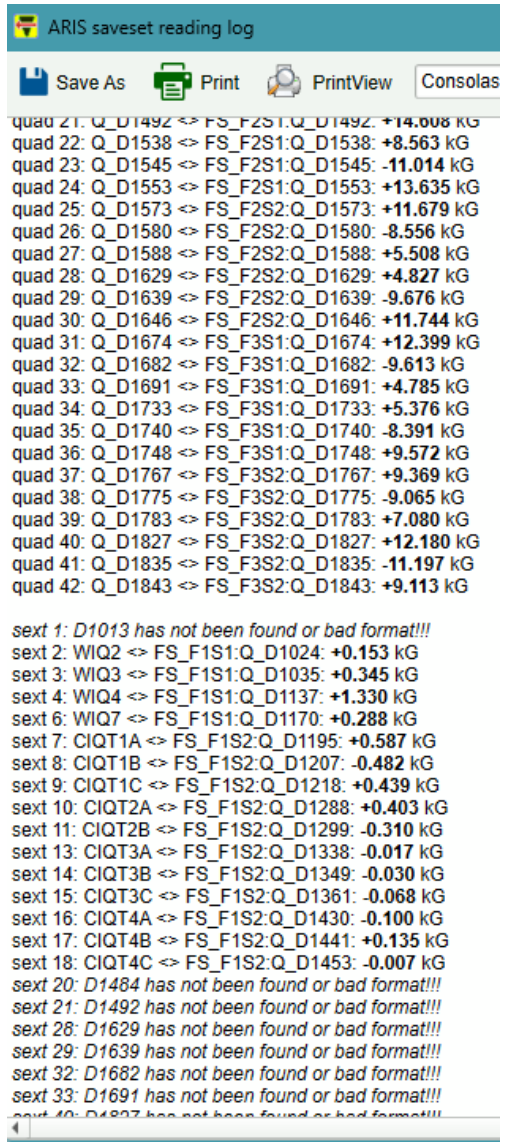
ARIS saveset reading utility

- Sextupoles: Reading and calculation corrections applied.
- Due to changes in saveset format:
  - Updated the utility search names to match savset standards.
  - Global revision of reading functions (materials, slits, multipoles)
- Modified Table and Wedge reading functions to preserve LISE configuration original density and compound properties
- Implemented DB2 wedge for reading
- Updated ARIS saveset reading log

eL_ARIS_k3cb2 configuration

- Updated eL_ARIS_k3cb2 for target and wedge materials and thicknesses
- Corrected the official DB2 wedge name for FS_F2S1:VD_D1563

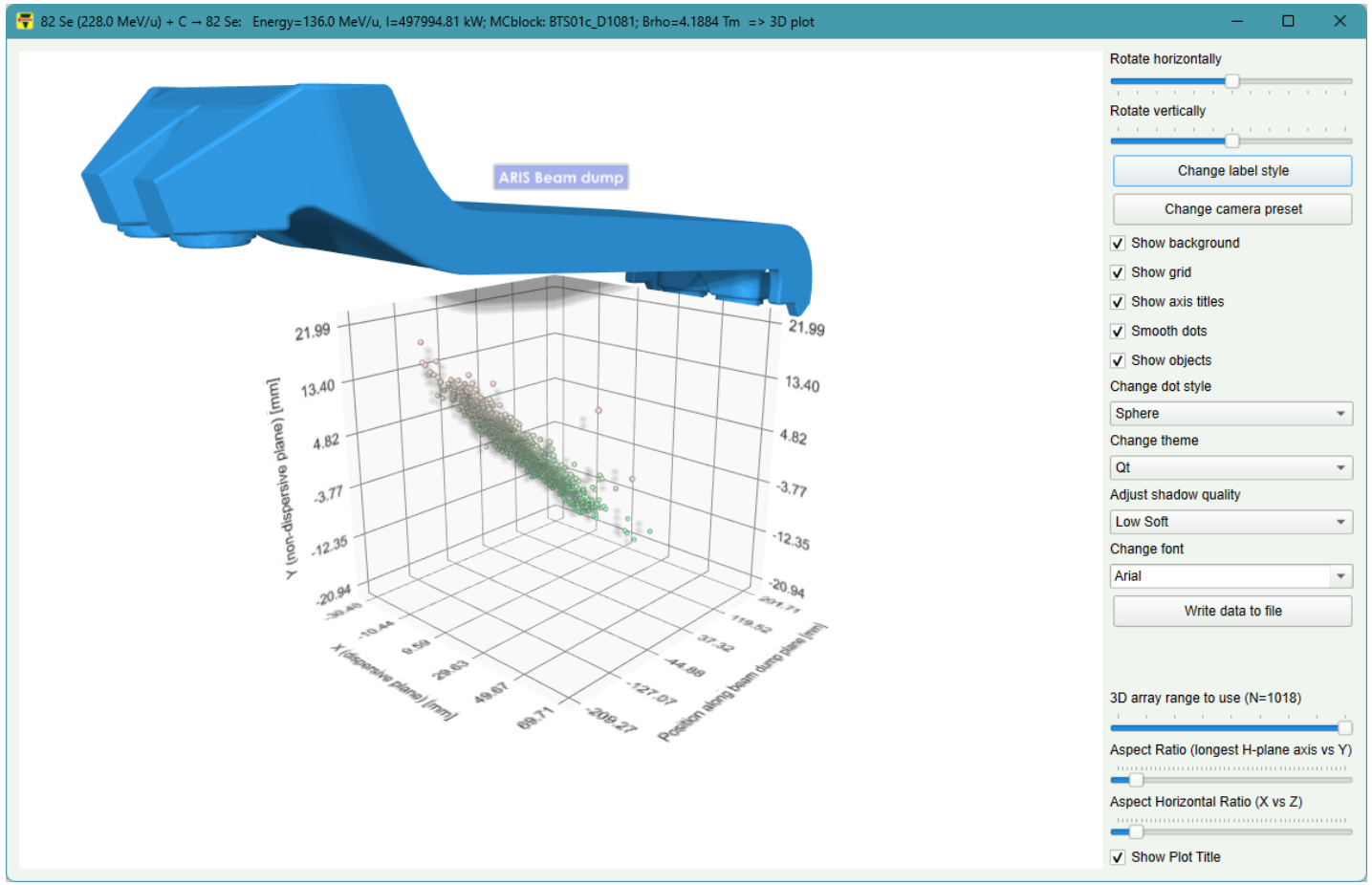


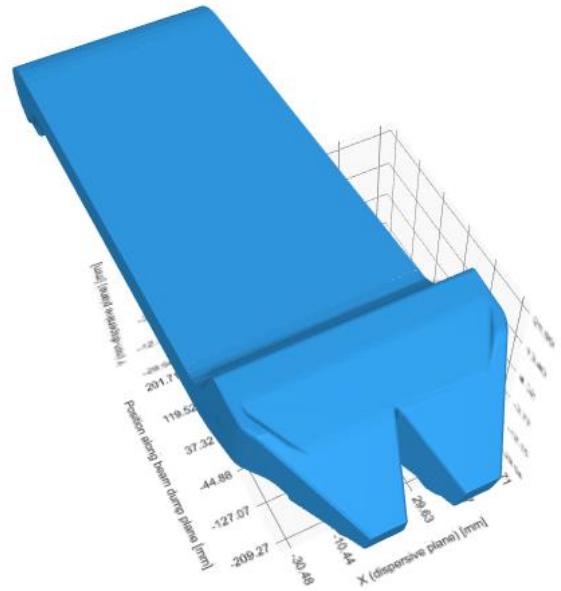


Implementation of the Beam Dump object in BD 3D-plot

Re-alignment (position and rotation) is still under construction

Sasha's project





All modifications : from 17.8 to 17.9

17.8.1	09/25/24	class distribution: fill_Decay()
17.8.2	09/25/24	AA ExcitEnergy -- HoleDepth Model - ExponentOption
17.8.3	09/25/24	AA ExcitEnergy diaog update for HoleDepth Model
17.8.4	09/26/24	d_Apf_excitation : revision of saved values: from CmOK --> CmCancel
17.8.5	09/26/24	All ExcitationEnergy models : no more CheckThermalization flag
17.8.6	09/27/24	moving from lise.nscl.msu.edu to lise.frib.msu.edu
17.8.7	09/28/24	new struct DistrStat () in L_StatisticsClass.h
17.8.8	09/28/24	using struct DistrStat () in Distribution classes
17.8.9	09/28/24	using struct DistrStat () in FireBall
17.8.10	09/28/24	update of ApplyLimitingTemperature functions
17.8.11	09/28/24	AA: thermolization is temporary disabled
17.8.12	09/28/24	AA: Apf Ex : Mean,Mode plots E*/dA
17.8.13	09/30/24	Gaimard distribution: exponent --> using Tmean for large dA
17.8.14	09/30/24	Correction in d_Apf_excitation_plot, d_Apf_excitation, c_ConfigPP1.h
17.8.15	09/30/24	Fragmentation mechanism : hide "Pfaff p,n" if Pffaf is not check in
17.8.16	09/30/24	x-peak --> x_mode
17.8.17	09/30/24	NPevap default is 64
17.8.18	10/15/24	Beam Dump statistics update for dBrho and Charge% (MH)
17.8.19	10/21/24	Hybrid distributions (gaussian+exponent) including asymmetric option
17.8.20	10/21/24	using Hybrid distributions in L_Trans_optics [1], using Hybrid distributions in L_Trans - c_rendmom [2]
17.8.21	10/21/24	Hybrid info in init_opt and config
17.8.22	10/22/24	d_Options : Hybrid model settings
17.8.23	11/03/24	playing with dBE
17.8.24	11/03/24	default UserCS mode for systematics and CS
17.8.25	11/04/24	BeamDump 3D - object insert
17.8.26	11/04/24	BeamDump 3D - utility update (Show,Slider,unque_pointer)
17.8.27	11/04/24	Working on dBE-systematics (implementation of t, coef and so on)
17.8.28	11/05/24	update TPlotCS2_Systematics and Qg classes
17.8.29	11/06/24	new typedef s_dBE for dBE_settings
17.8.30	11/06/24	new dialog d_dBE_settings
17.8.31	11/07/24	update of W_Graph_Qg, o_mass
17.8.32	11/07/24	revision of s_dBE
17.8.33	11/08/24	link https://lise.frib.msu.edu/17/17_3D-links.pdf on 3D in MC dialog, link 15/15_9_1_UserWedge.pdf in TProfileCustomDlg::CmLoadTXhelp(), link 17_08_30_dBE.pdf on dBE_settings dialog
17.8.34	11/08/24	color button in Curved profile dialog
17.8.35	11/08/24	hybrid model help link
17.8.36-38	11/08-10/24	ARIS saveset reading utility revision
17.8.39	11/10/24	correction in exponent mode of ExE#2, documentation for ExEnergy#2