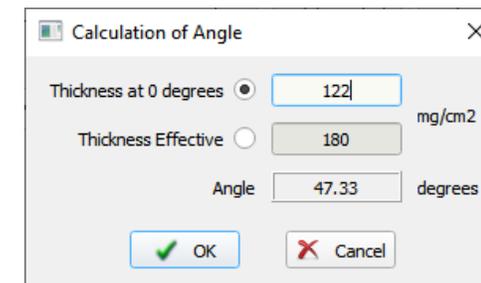MICHIGAN STATE UNIVERSITY

// **14.3.3** 03/25/20

```
// Thick(material) -> Calibration dialog (without channel calibration
buttons)
// Thick(material) -> Angle dialog
// Thick(material) -> Calculate density dialog
// Thick(material)  : global internal connection
// Thick(material)  : emit QueuedConnection signal to Refresh (study and
implementation)
// ShowSetup (left panel) is refreshed after Thick(material) changed
```

// currently it used to

1. daytime: Ksenia works on porting (Oleg – research and meeting time)

2. Ksenia & Oleg 6-9PM -- working jointly to update Ksenia's results, to discuss problems, results and plans

3. nighttime: Oleg works on porting

4. then Oleg

* updates modification on Ksenia's computer

* upload a new version in onedrive cloud

* send LISE++ porting status

all new LISE-Qt versions are uploaded **DAILY** in the next folder

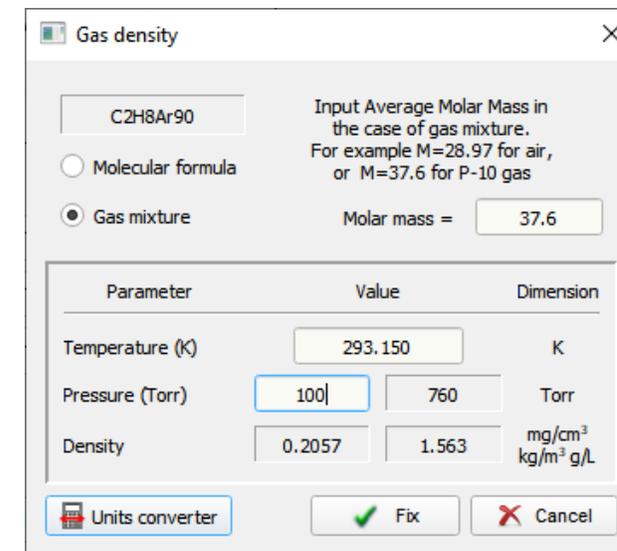https://1drv.ms/u/s!Aj8_a9I2zt5kivsKcdzVsKNRZjuzOw?e=a7odiu

// 14.3.4 03/26/20

```
// Thick(material) -> General block settings (DIALOG finally completed)
// Thick(material) -> Calibration dialog     (DIALOG completed)
// Thick(material) -> Calibration dialog ->  calibration channel (DIALOG completed)
// Thick(material) -> Calibration dialog ->  calibration channel dialog -> data input dialog -> introduction of new static values
// Thick(material) -> Calibration dialog ->  calibration channel dialog -> data input dialog (DIALOG completed)
// ShowSetup (left panel) : LabIcons were connected to timer
// ShowSetup (left panel) is updated after Thick(material) name changed (before only thickness)
// o_Phys->o_Calibration class reconstruction based on QString class
// Thick(material) base: new approach for QWidget *parent to obtain "parent" information
```
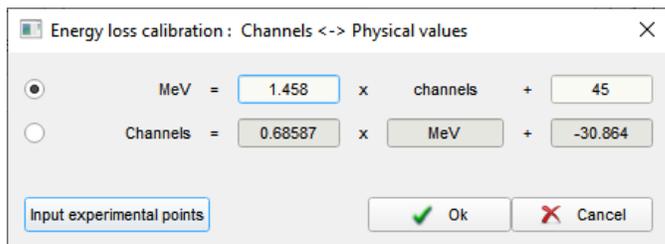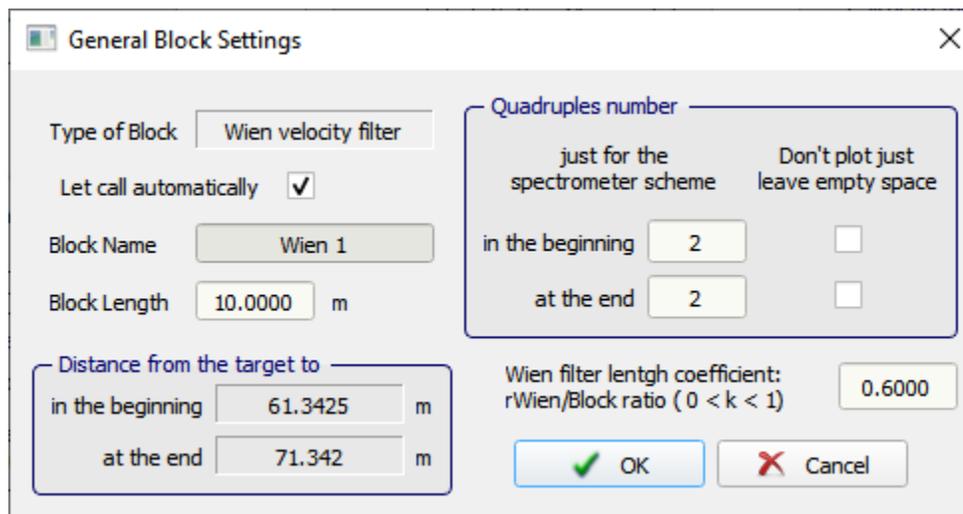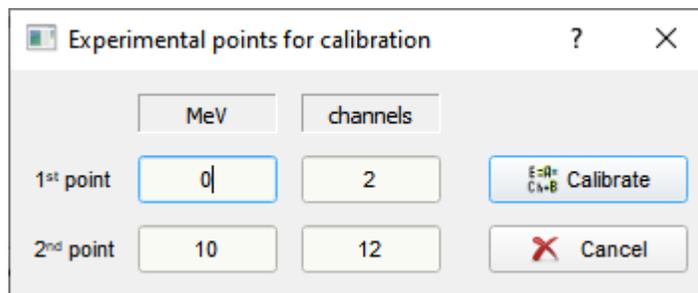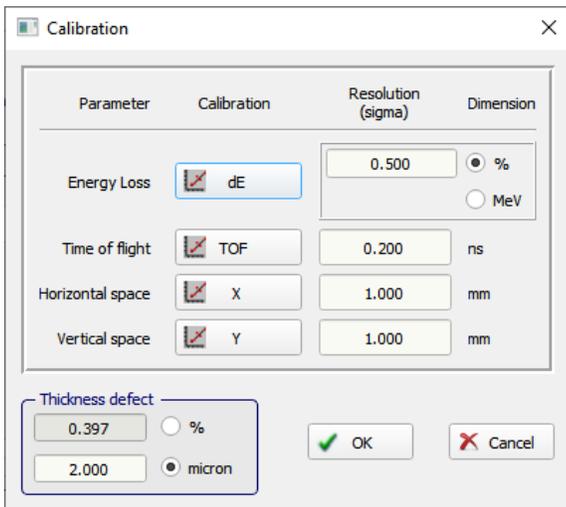
// 14.3.5 03/27/20
// Thick(target) -> Absorbed dose dialog (DIALOG completed)
// Thick(wedge) -> Wedge dialog : internal connection (80% completed)
// bunch of small corrections in different blocks

// 14.3.6 03/28/20
// Thick(wedge) -> Wedge dialog : (DIALOG finally completed)
// Tabulation order has been corrected in "completed" dialogs
// "Separator tuning" works (Brho calculation for setting fragment). Brho results
are shown in ShowSetup (left panel)

// 14.3.7 03/30/20

```
// Thick(wedge) -> Wedge dialog -> Profile Wedge Base dialog : 75%
// Disperse Optical Blocks[DOB]  (7 dialogs) ->  /
//         Dialogs redesign due to [DOB] BASE class implementation /
//         and items connection :  10%
// Configuration Renewal and Redraw ShowSetup (left panel) after LISE
file reading (DONE)
```

```
// 14.3.8 03/31/20
// Thick(wedge) -> Wedge dialog -> Profile Base  dialog (DIALOG completed)
// Thick(wedge) -> Wedge dialog -> Profile Wedge dialog (DIALOG completed)
// Thick(wedge) -> Wedge dialog -> Profile Curved dialog (50% connection)
// Thick(wedge) -> Wedge dialog -> Profile Custom dialog (25% connection)
// Disperse Optical Blocks[DOB]  (7 dialogs) -> redesign 100%
// Disperse Optical Blocks[DOB]  (7 dialogs) -> connection 10%
// User ProgressDialog  (DIALOG completed)
```

```
// 14.3.9 04/01/20
// Merging updated GIT version and 14.3.8
// Erasing "OpticsWidgets" directory
// Global revision of LISE images (directory "Icons")
// Working on Disperse Optical Blocks[DOB] (20% progress)
// [DOB]   -- magnetic dipole type -->  creation of "Brho base"
// Double inheritance (Properties class-> "Brho" Base -> Magnetic dipole classes) -- still under construction




    //---------------------------------------------------------------------------
    // 14.3.10 04/02/20

    // Double inheritance (Properties class-> "Brho" Base -> Magnetic dipole classes) -- DONE!  (see next slide)
    // it will be used currently for Dipole_magnetic, d_GNS, d_D6 blocks
    // this development will be important in future for OpticalMatrix and Plot_CS branches

    // D_Acceptance dialog : 90% re-design, 20% connection
    // LISE++ images(icons) revision was done. Corresponding dialogs were updated with new image locations

    // Creation of \d_BlockOptic\Magnet\ and \d_BlockOptic\Acceptance\ directories
    // Erasing (came with GIT 14.3.7 version) d_ElectricDipole.*, d_DelayFile.*, and 17 files d_athick*
```
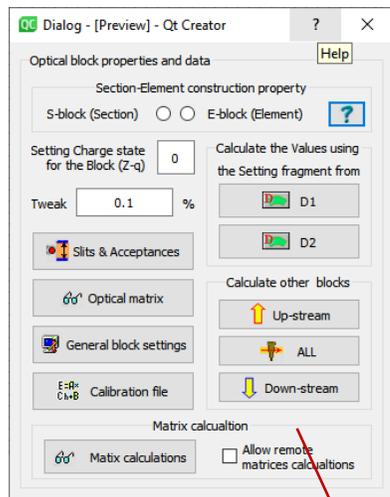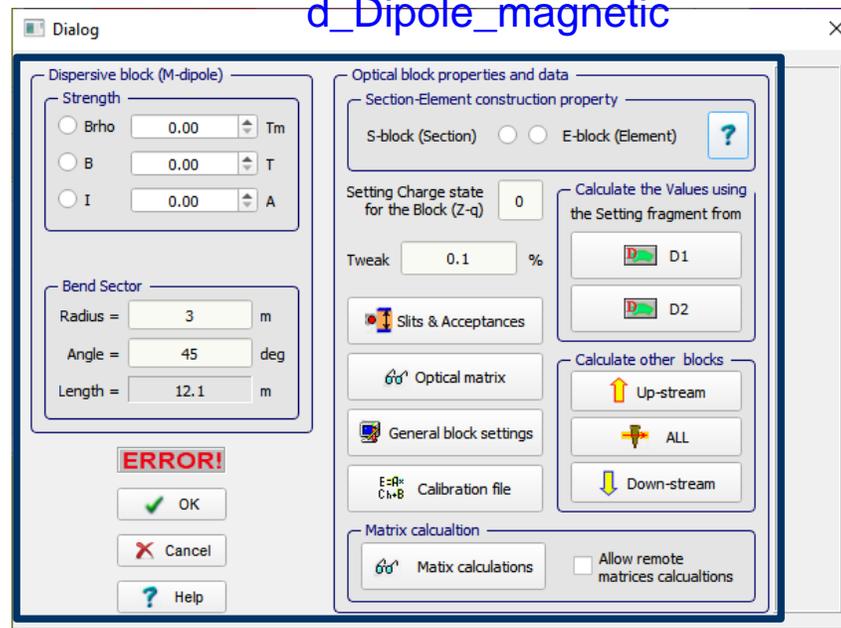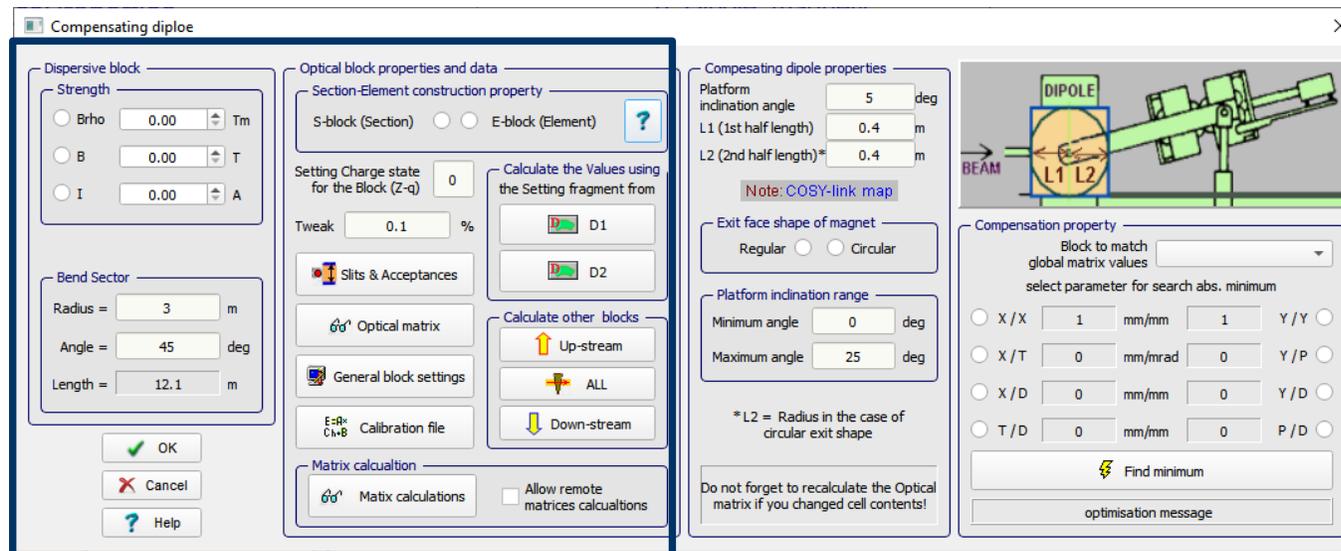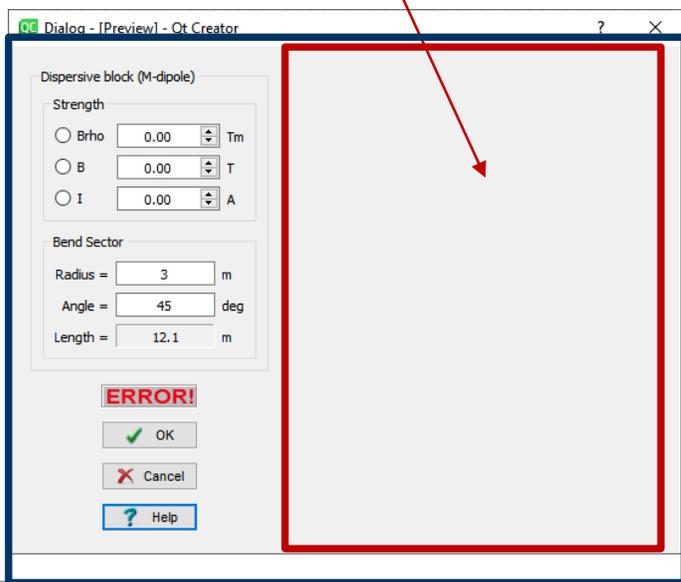
d_OpticsProperties
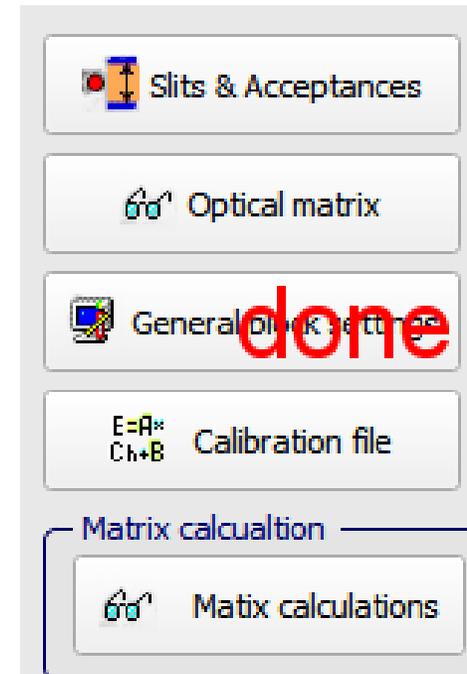
d_Dipole_magnetic

d_Dipole_base

First priority:

Material blocks
- Curved profile dialog
- Custom shape dialog

Dispersive magnetic blocks

- Dipole magnetic
  Dipole compensating
- Dipole GF

Including

Where "Optical matrix" – development of two base classes for inheritance….