

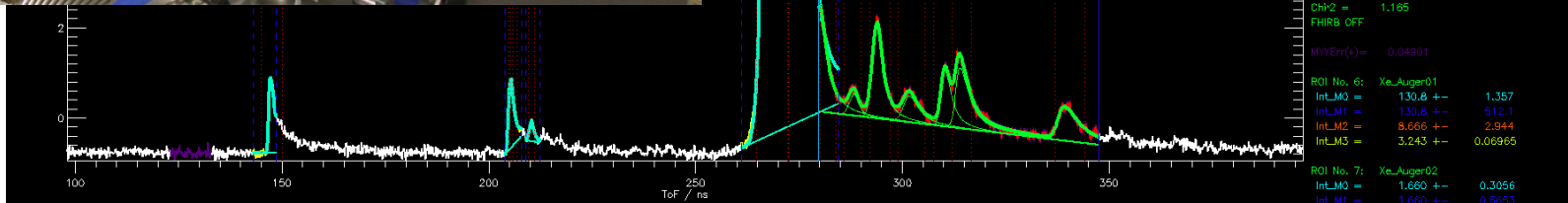
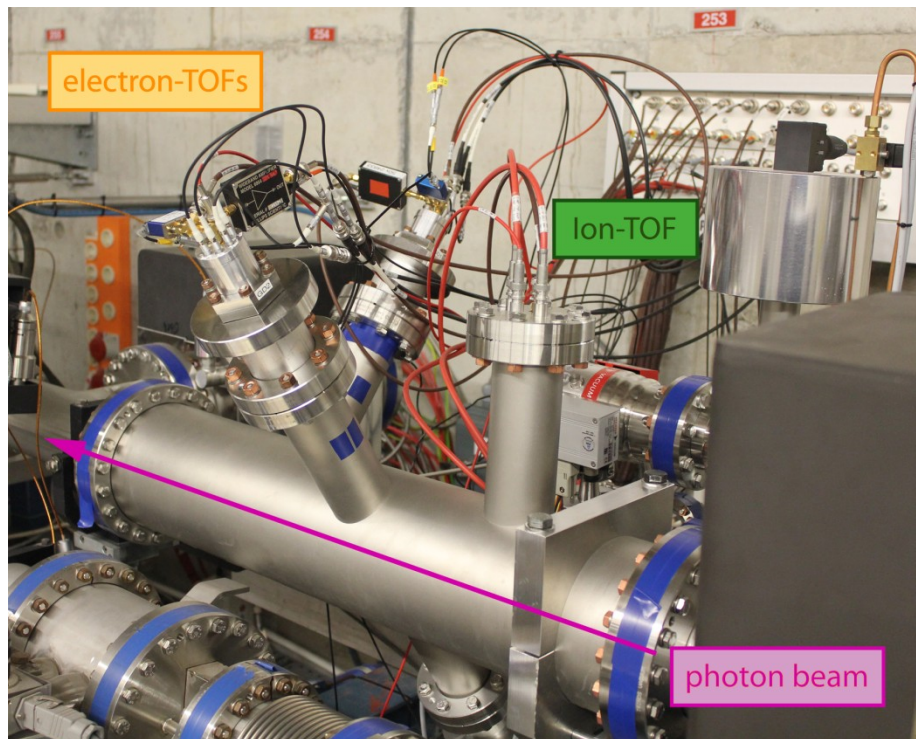
Writing a TINE-IDL connector.



Markus Braune, Sören Grunewald, Mark Lomperski

Online Photoionization Spectrometer - OPIS.

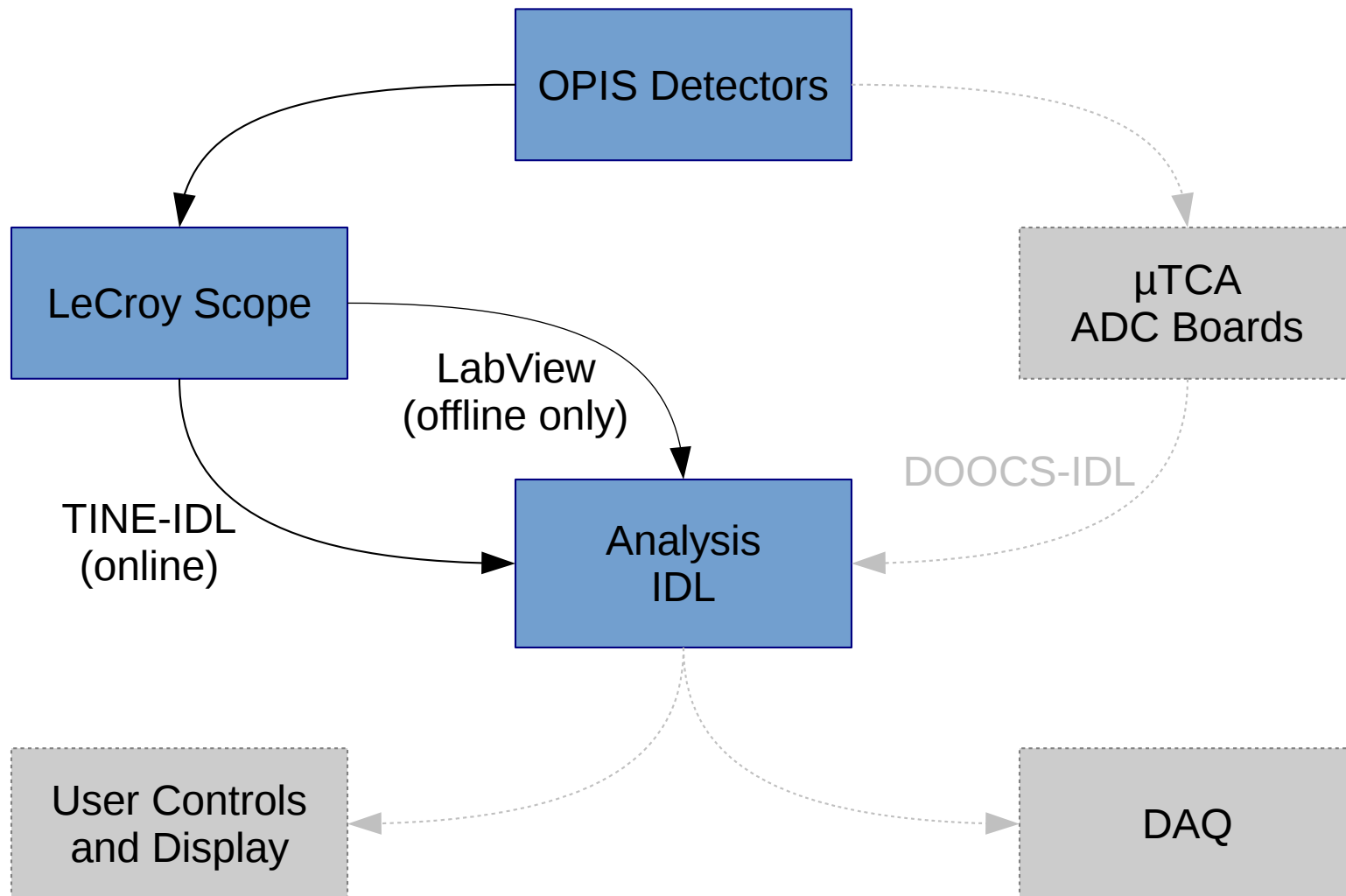
Measuring FLASH wavelength using photoionization of gas phase targets



[1] Markus Braune, OPIS Presentation, 2014



Motivation and Goals...



Implementation...

- Figure out how to pass data to IDL and back
 - Macro magic and Strings
 - What about structures
- Implementing the IDL plugin
 - From synchronous to asynchronous calls (ExecLinkEx, alsnExecLinkEx, AttachLinkEx2)
 - Getting the Event-ID
- Facing issues
 - Linker troubles (VC6 vs. VC2010 vs. VC2013)
 - Installation in IDL
 - Finally using a static binary
- Open Items
 - Changing the property and keep on running
 - API rework



Special thanks to

Mark Lomperski
Philip Duval
Markus Braune

References

- [1] OPIS_DOOCS.Cl.pptx, Markus Braune,
OPIS DOOCS Meeting, 07.2014
- [2] <https://stash.desy.de/users/grunewal/repos/idl-wrapper/>

