ron Optics Highlights
strumments

EUROPE
SPALLAT
SOURCE

Ken And

ODIN Imaging Instrument accepted

Broadband SANS Instrument accepted

- Compact SANS Instrument rejected

Macromolecular Crystallography Instrument under discussion

- expect decision tomorrow

Start phase 1 of construction projects in January 2014

- waiting for Steering Committee approval

Phase 1 main deliverable: Preliminary engineering design

- Functional requirements fixed
- Most engineering solutions chosen
- Plans for sample environment, support labs, commissioning
- Instrument budget fixed

ODIN Imaging Instrument accepted

Broadband SANS Instrument accepted

- Compact SANS Instrument rejected

Macromolecular Crystallography Instrument under discussion

- expect decision tomorrow

Start phase 1 of construction projects in January 2014

- waiting for Steering Committee approval

Phase 1 main deliverable: Preliminary engineering design

- Functional requirements fixed
- Most engineering solutions chosen
- Plans for sample environment, support labs, commissioning
- Instrument budget fixed

Presentations at IKON5 25-26/9/13

Proposal submission deadline 31/10/13

- Internal proposal reviews: ESS management
- Internal technical reviews: neutron optics, choppers, detectors, etc.

Proposal hearings in December-January

- One hearing per proposal (organised by instrument class)
- chaired by STAPs
- presentation of proposals
- presentation of internal reviews

STAP submits preliminary review 20/2/14

Proposal resubmission deadline 31/3/14

- sent to STAP for final review
- Final review sent to ESS management, proposers, SAC

SAC meeting in May

- recommendations on instruments for construction

Steering Committee meeting in Autumn

- decision

Presentations at IKON5 25-26/9/13

Proposal submission deadline 31/10/13

- Internal proposal reviews: ESS management
- Internal technical reviews: neutron optics, choppers, detectors, etc.

Proposal hearings in December-January

- One hearing per proposal (organised by instrument class)
- chaired by STAPs
- presentation of proposals
- presentation of internal reviews

STAP submits preliminary review 20/2/14

Proposal resubmission deadline 31/3/14

- sent to STAP for final review
- Final review sent to ESS management, proposers, SAC

SAC meeting in May

- recommendations on instruments for construction

Steering Committee meeting in Autumn

- decision

Presentations at IKON5 25-26/9/13

Proposal submission deadline 31/10/13

- Internal proposal reviews: ESS management
- Internal technical reviews: neutron optics, choppers, detectors, etc.

Proposal hearings in December-January

- One hearing per proposal (organised by instrument class)
- chaired by STAPs
- presentation of proposals
- presentation of internal reviews

STAP submits preliminary review 20/2/14

Proposal resubmission deadline 31/3/14

- sent to STAP for final review
- Final review sent to ESS management, proposers, SAC

SAC meeting in May

- recommendations on instruments for construction

Steering Committee meeting in Autumn

- decision

16 Construction Proposals expected:

General-Purpose Polarized SANS (D), Compact SANS (DK-CH)

Conventional Liquids Reflectometer (D), Freia Liquids Reflectometer (ESS), Conventional Magnetism Reflectometer Selene Magnetism Reflectometer (DK-CH)

Bispectral Powder Diffractometer (D), Crystal-Monochromato Powder Diffractometer (ESS), Hybrid Diffractometer Heimdal CH)

Engineering Diffractometer (D-CZ)

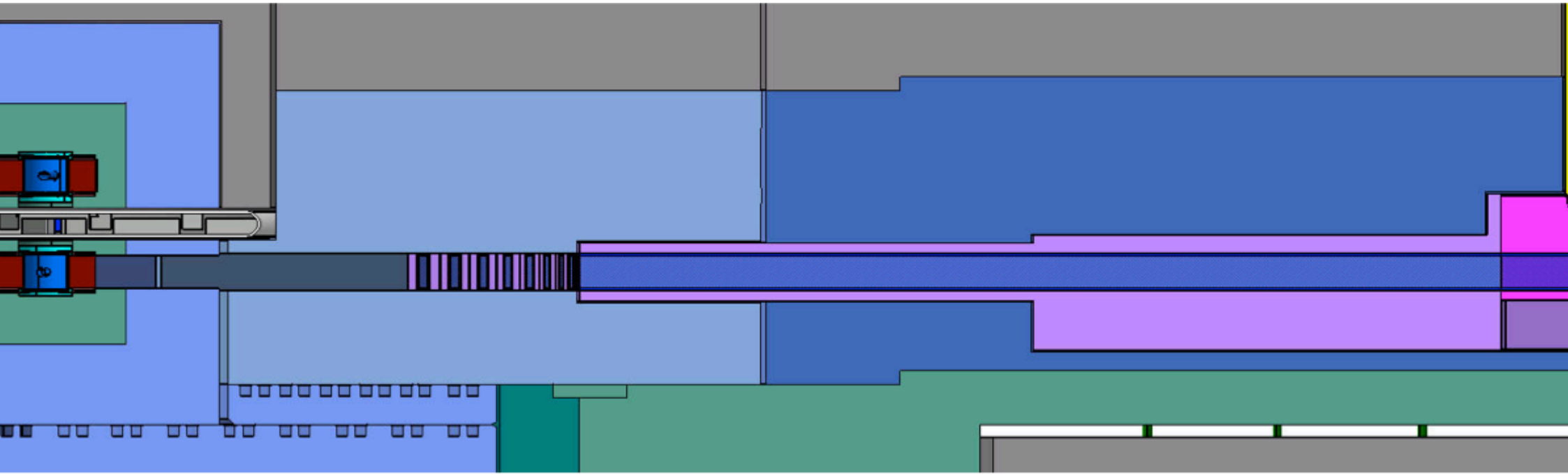
Cold Chopper Spectrometer (D), Multichromatic Bispectral Chopper Spectrometer (D), Wide Bandwidth Chopper Spectrometer (ESS), Time-Focusing Chopper Spectrometer Tempus Fugit (IT)

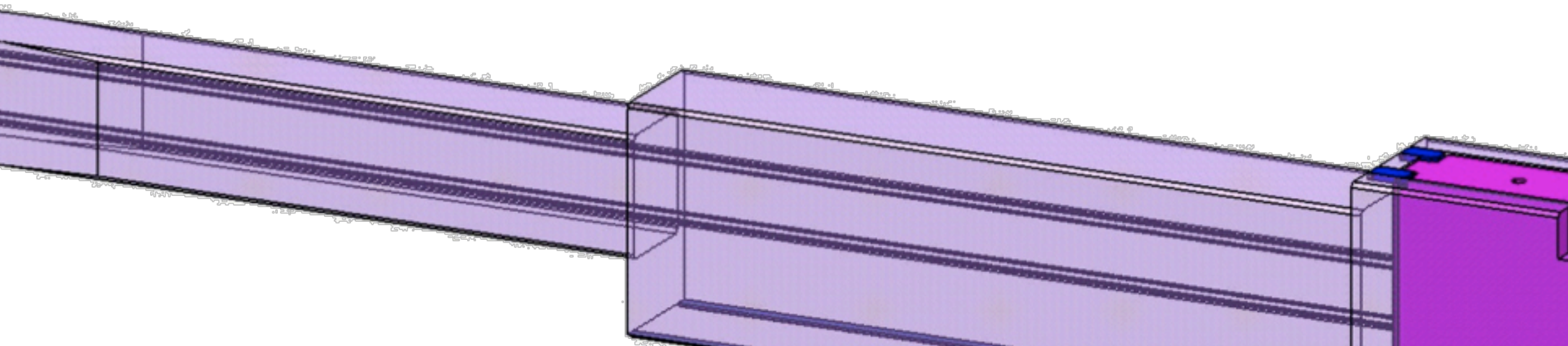
Crystal-Analyser Spectrometer Camea (DK-CH)

High-Resolution Spin-Echo Spectrometer (D)

Decision: stick with light shutters

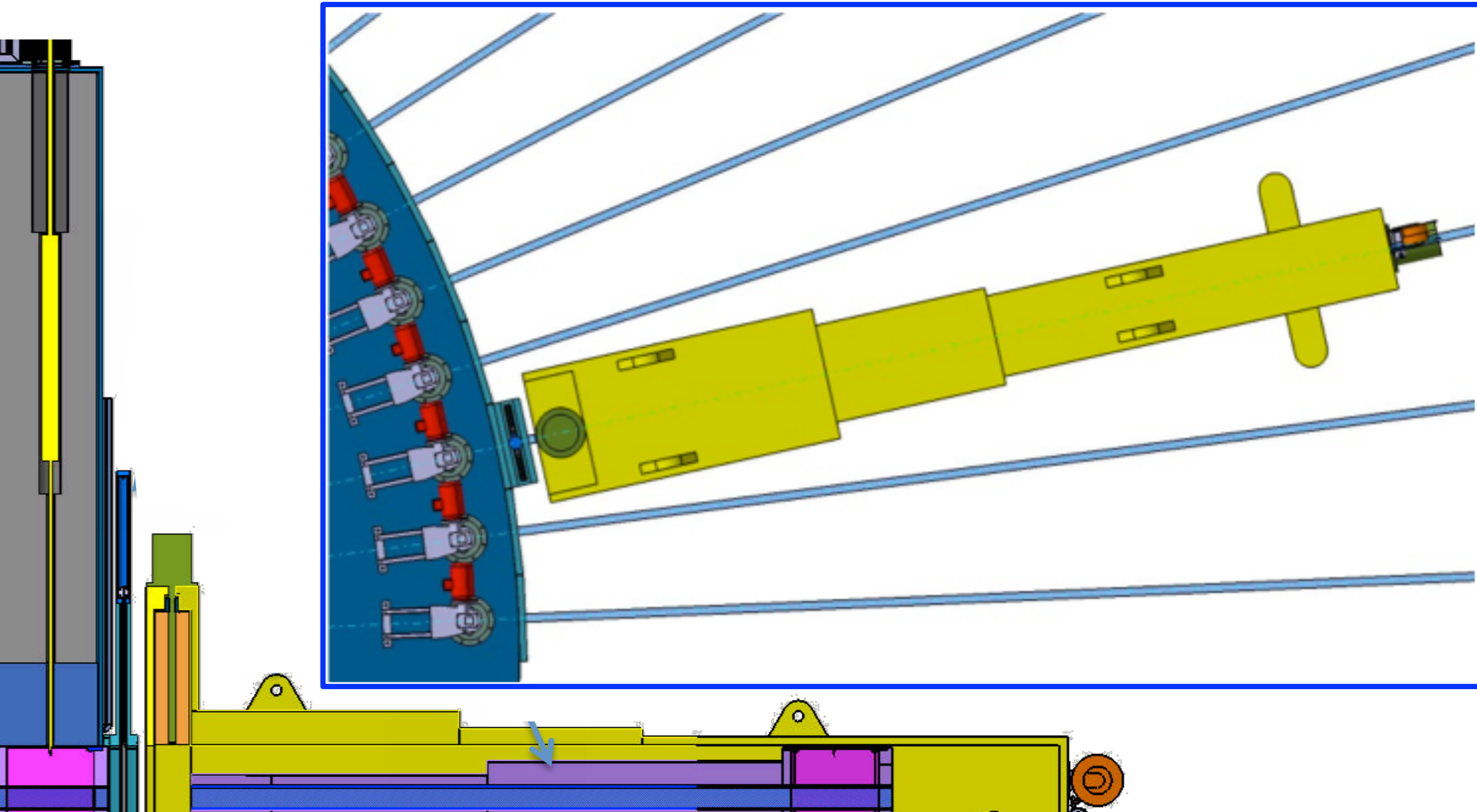
- optimize performance for neutron beam attenuation
- allow beamport activation without disassembling neighbouring instru





Decision: stick with light shutters

- optimize performance for neutron beam attenuation
- allow beamport activation without disassembling neighbouring instru

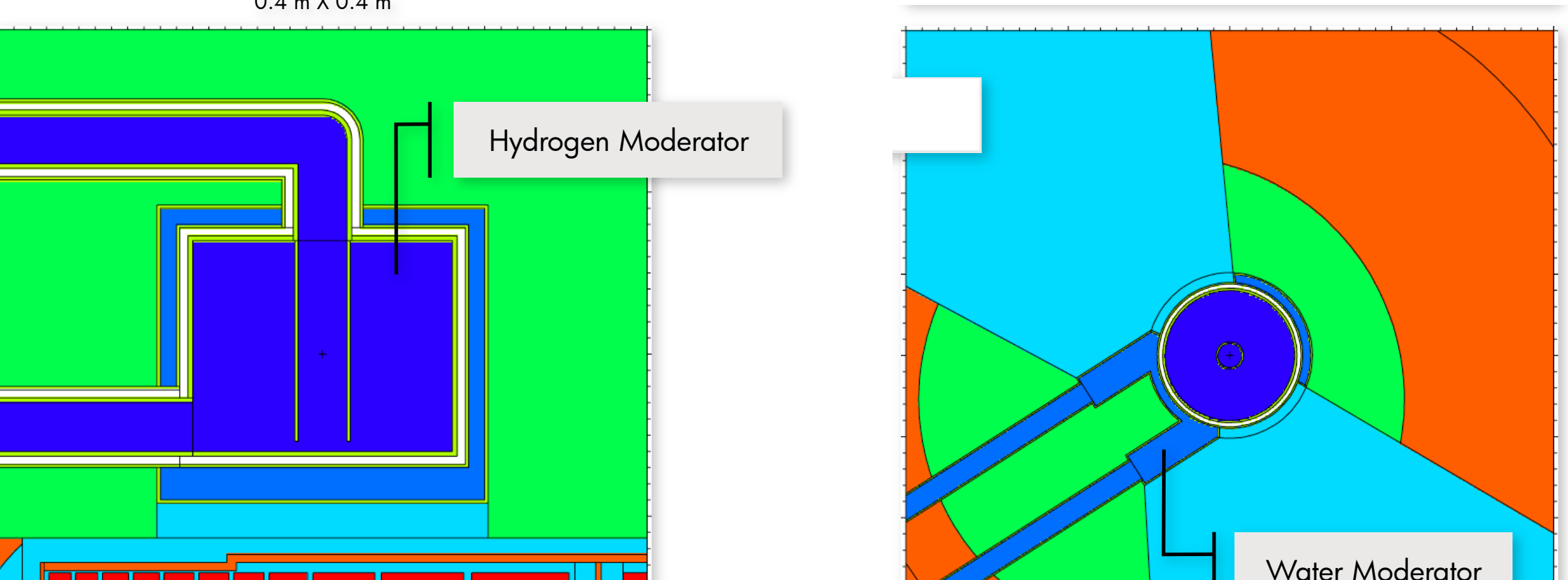


Decision: stick with light shutters

- optimize performance for neutron beam attenuation
- allow beamport activation without disassembling neighbouring instru

Pancake moderators

- Reduce moderator height to >15mm
- Up to factor 3 increase in source brightness
- Redesign of guides
- Not all instruments benefit equally



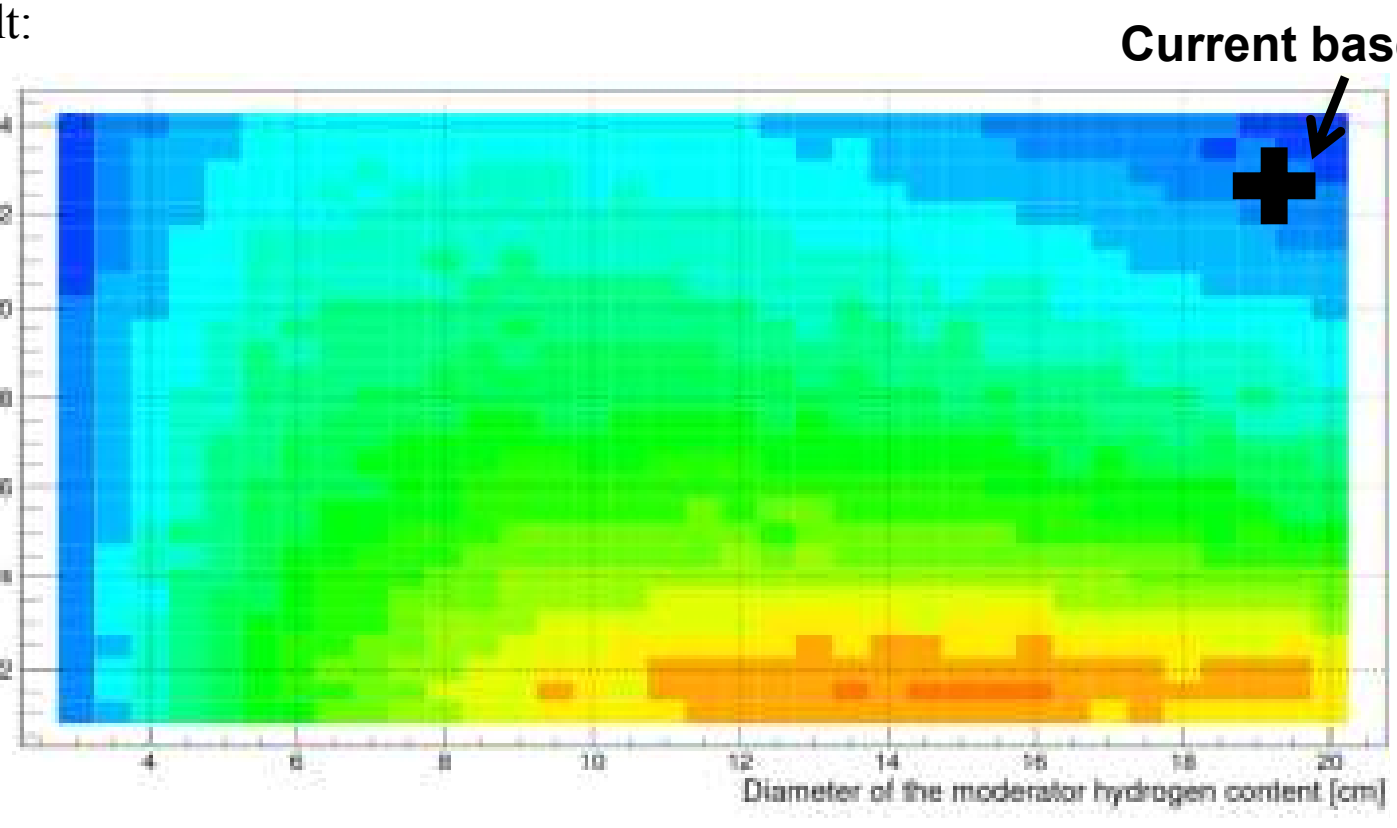
Decision: stick with light shutters

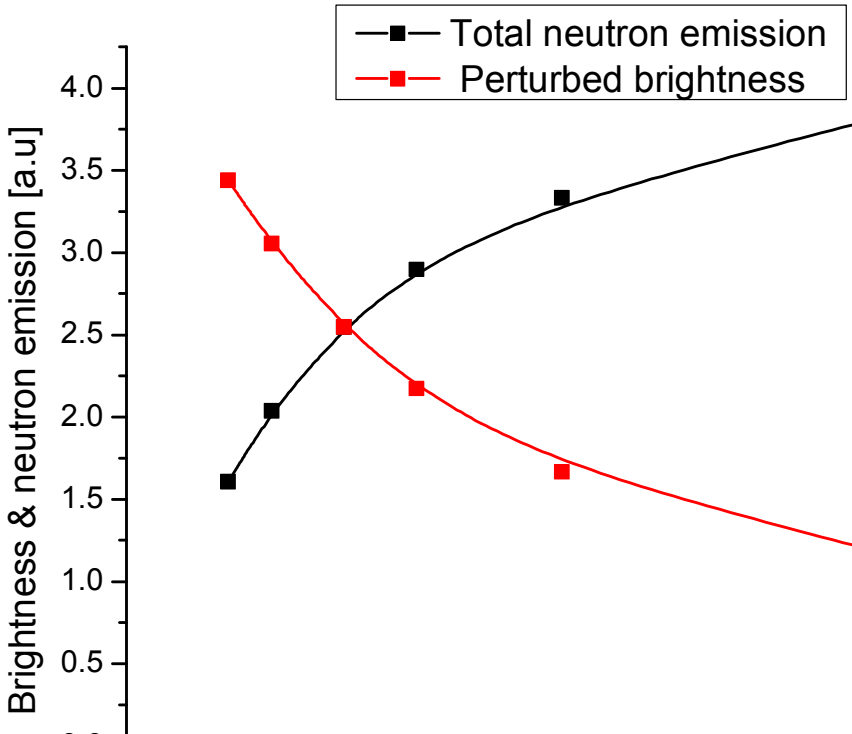
- optimize performance for neutron beam attenuation
- allow beamport activation without disassembling neighbouring instru

Pancake moderators

- Reduce moderator height to >15mm
- Up to factor 3 increase in source brightness
- Redesign of guides
- Not all instruments benefit equally

lt:





ank you !

EUROPE
SPALLAT
SOURCE

Ken And