



| The European Synchrotron

The SSX BAG

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Igor Menlikov
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...

SB Group



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HVE project



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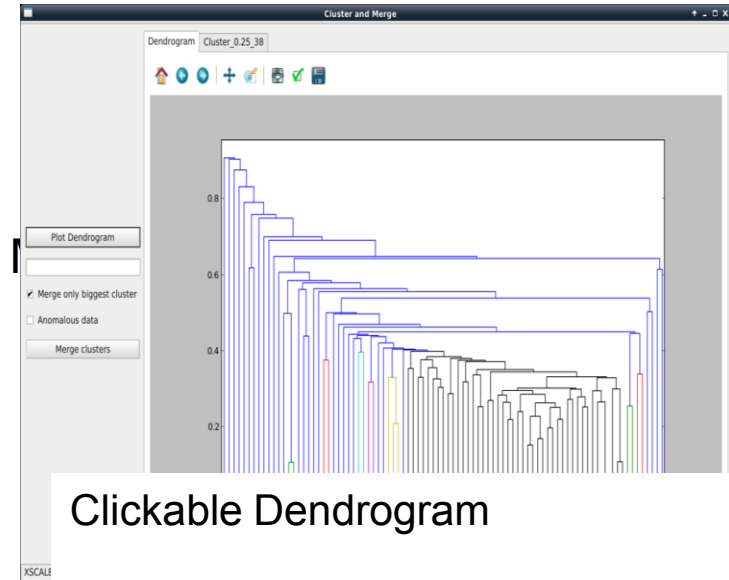
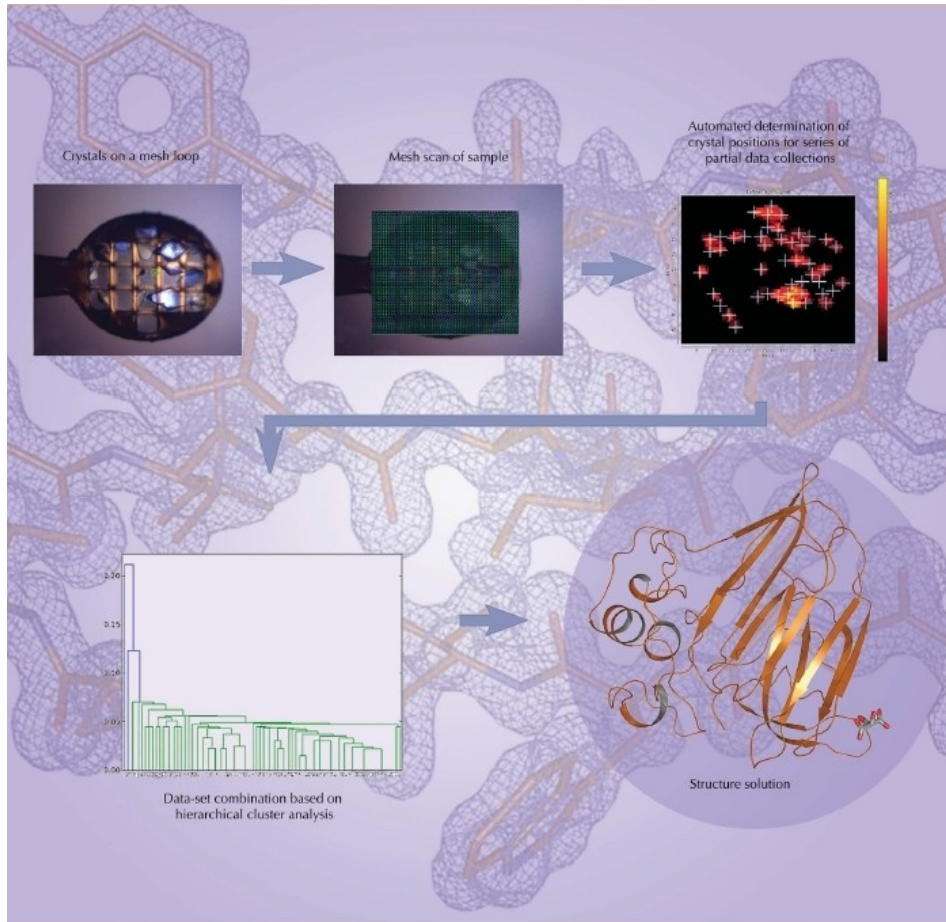
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Promoting **new developments** in hardware and software for Synchrotron Serial Crystallography

Collaboration with external users to disseminate and develop new hardware and software for Synchrotron Serial Crystallography

Mesh&Collect workflow



Clickable Dendrogram

- Merge either biggest or all clusters

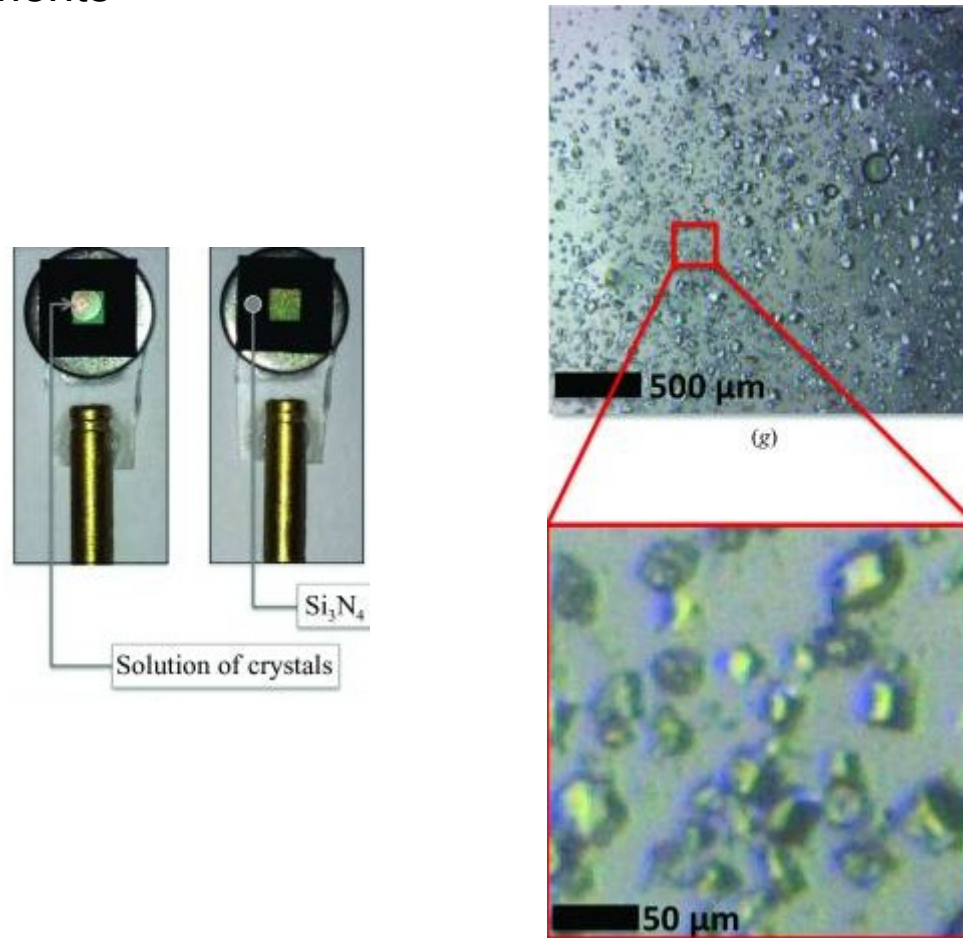
Anomalous on or off

Quick look at results of merging

Zander *et al.* (2015). *Acta Cryst.* **D71**, 2328-2343.

ALTERNATIVE SAMPLE HOLDERS

RT measurements



Coquelle *et al.* (2015). *Acta Cryst.* **D71**, 1184-96.

In-situ @ ID30B

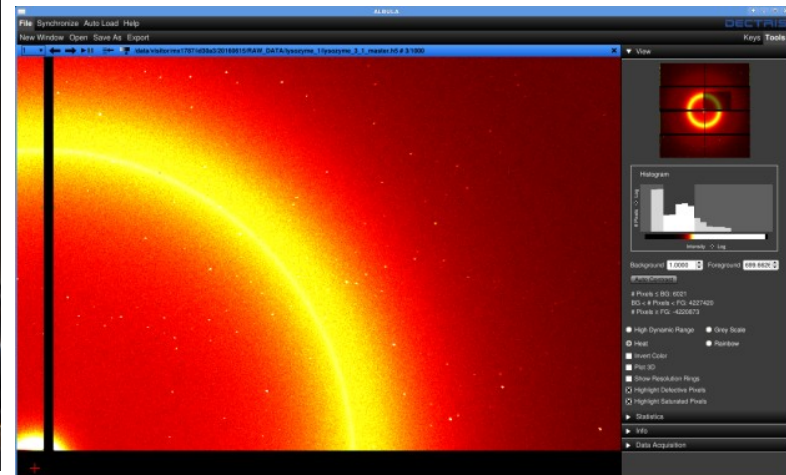
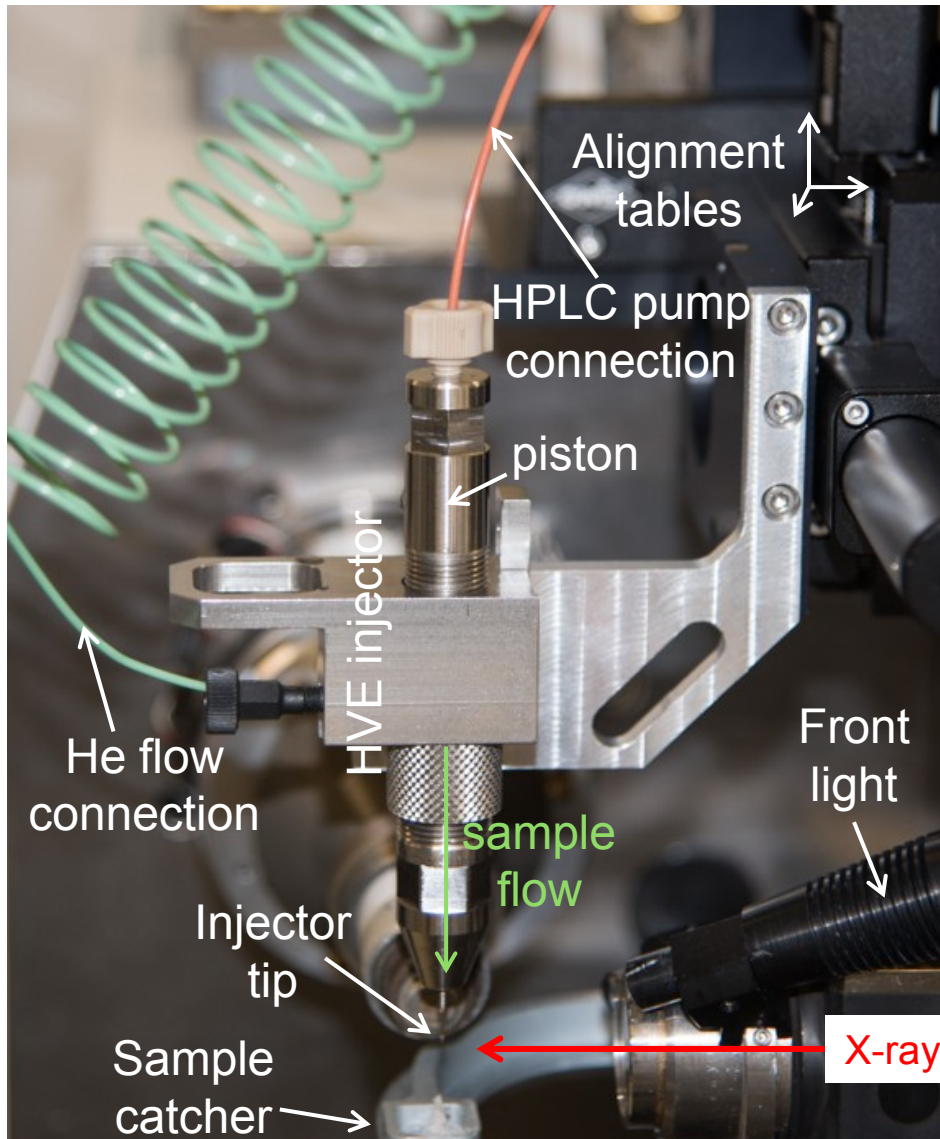
The screenshot displays the **mxcube (mx-1787)** software interface. The main window shows a central video feed of a sample with 25 numbered points (1-25) marked for data collection. The interface includes several control panels:

- Sample list:** A tree view on the left showing a hierarchy of points (B:10.2 to B:12.3) and rows (C to H). Points B:12.1 to B:12.25 are checked.
- Sample centring:** A panel above the video feed with sliders for Omega (314.00), Kappa (0.00), Phi (0.00), Holder length (32.500), samp (0.1), sampy (0.01), and sampy (0.95).
- Collection method:** A panel on the right with settings for Standard Collection, including Acquisition (Oscillation range: 0.1, First image: 1, Number of images: 100), Detector mode, Exposure time (0.02), Energy (12.7 keV), Resolution (1.5 Å), and Transmission (1.0%).
- System status:** A panel on the far right showing Machine current (88.9 mA), Flux (2.76e+10 ph/s), and various shutters (Safety shutter: opened, Fast shutter: closed).

The status bar at the bottom of the window displays the following logs:

- [2016-12-09 13:43:06] Dec 9 13:40 Next injection at 14:00
- [2016-12-09 13:43:15] Ready
- [2016-12-09 13:44:24] Microdiff: could not move to beam, aborting

HVE-INJECTOR



MASSIF-3

All experiments in collaboration (co-authorship) with MPIImf Heidelberg

Crystal size between >3 and <50 nm

Sample: ~ 300 $\mu\text{g}/\text{run}$

Low exposure data sets: ~ 5 kGy /

More information in the MASSIF-3 talk by David

If you have a project that could benefit from what is already there

or

If you have a request/idea

Contact your local contact or
the beam line scientist.