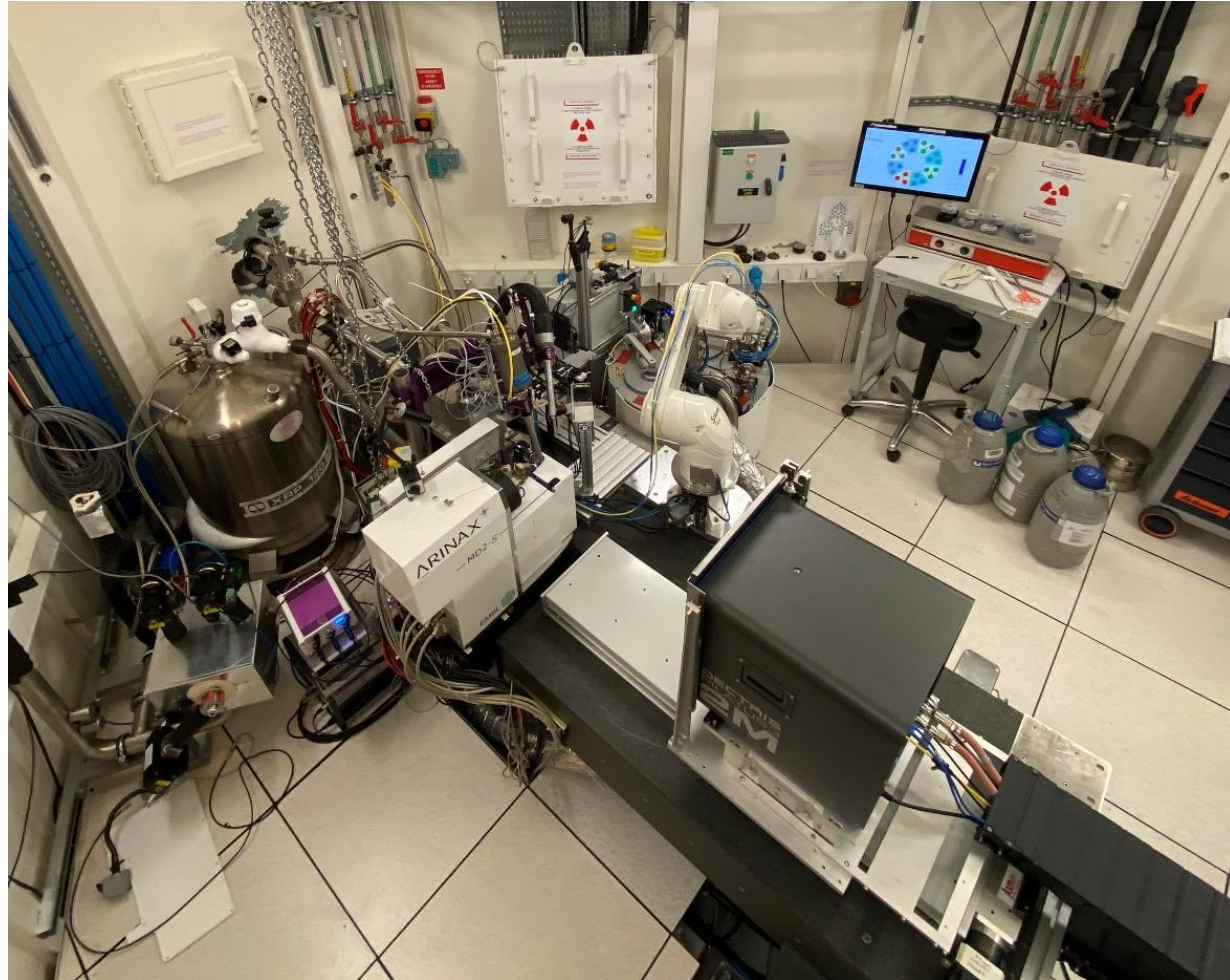


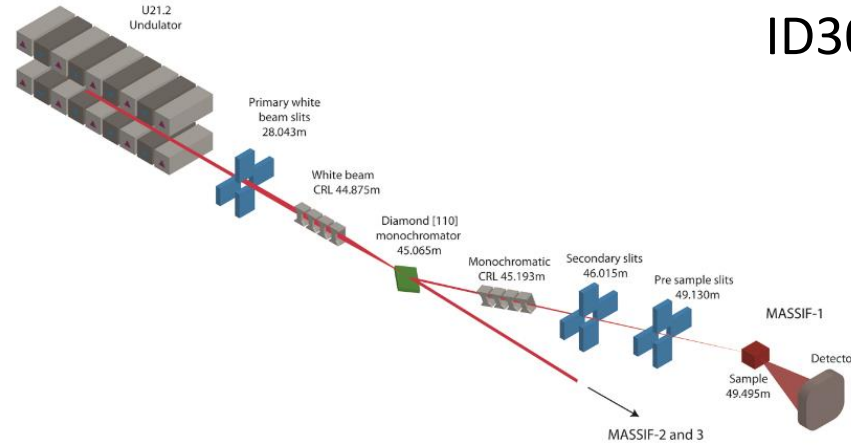
# Renaissance of Massif-1 following EBS



User meeting February 2021, D. Nurizzo

# MASSIF-1 in THE Mx village

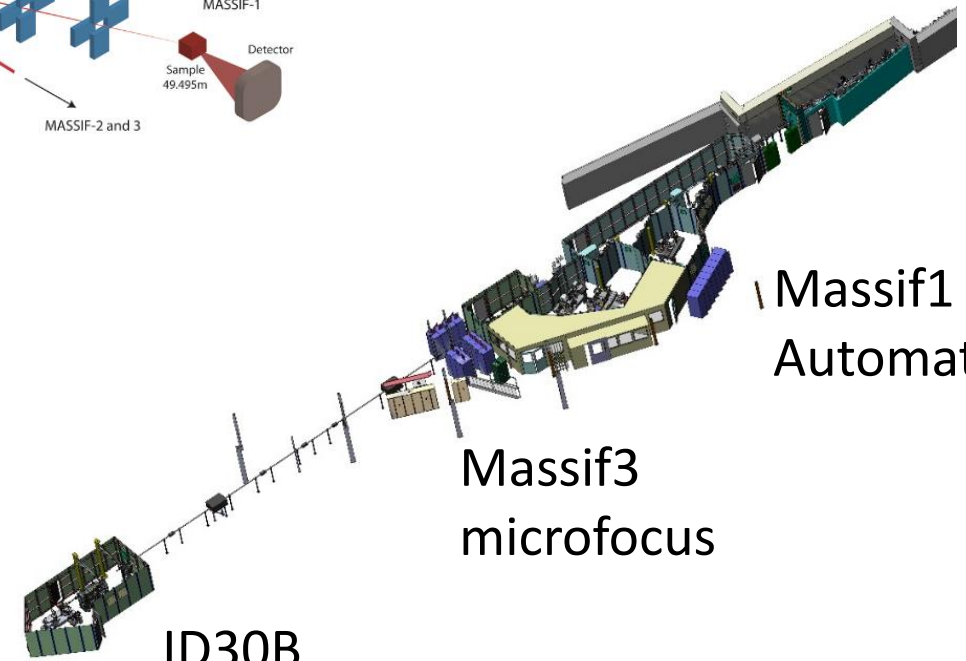
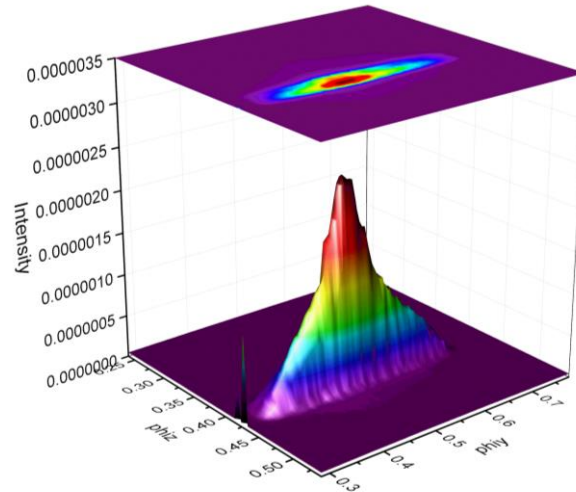
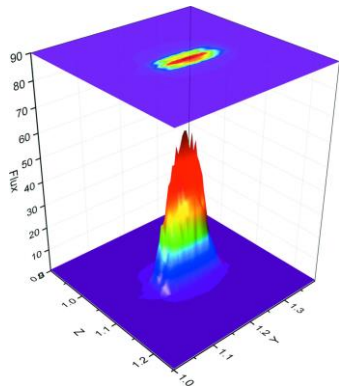
Monochromator:  
Diamond Laue [110]  
12.842keV (0.9655Å)  
Focusing:  
Be-CRL



ID30A1 is Massif1:  
Fully automated beamline

2014:  
221 × 65 μm<sup>2</sup>  
4.5 · 10<sup>12</sup> photons · s<sup>-1</sup>;

2020:  
178 × 28 μm<sup>2</sup>  
6 · 10<sup>12</sup> photons · s<sup>-1</sup>;



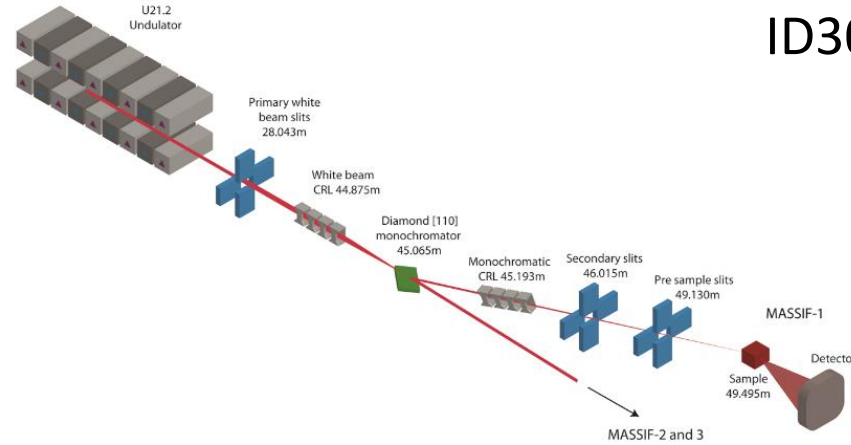
Massif1  
Automated

Massif3  
microfocus

ID30B  
MAD

# ROOM for IMprovement

Monochromator:  
 Diamond Laue [110]  
 12.842keV (0.9655Å)  
 Focusing:  
 Be-CRL

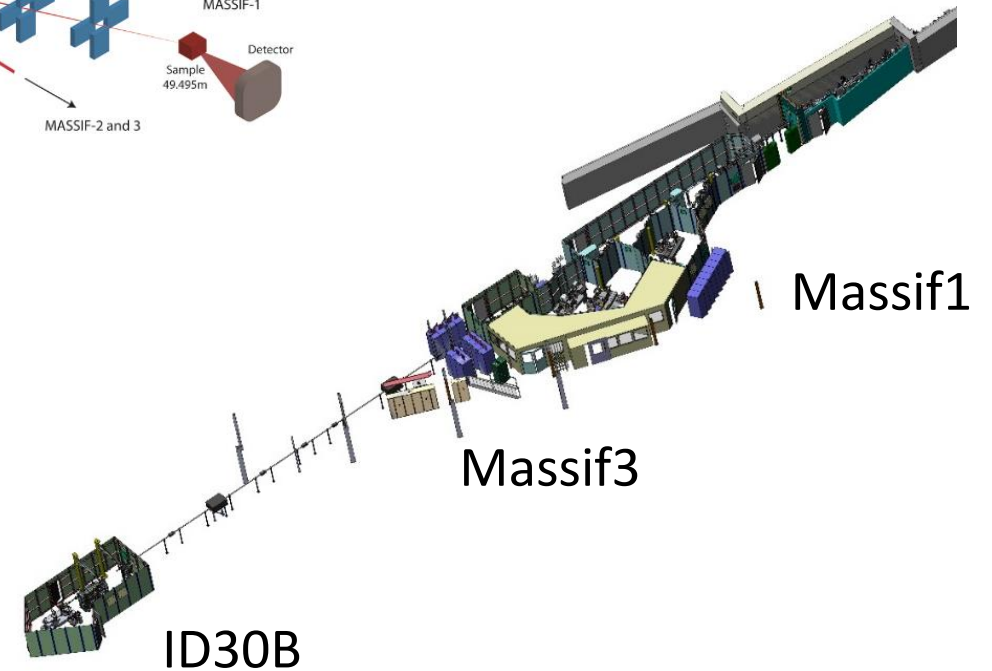
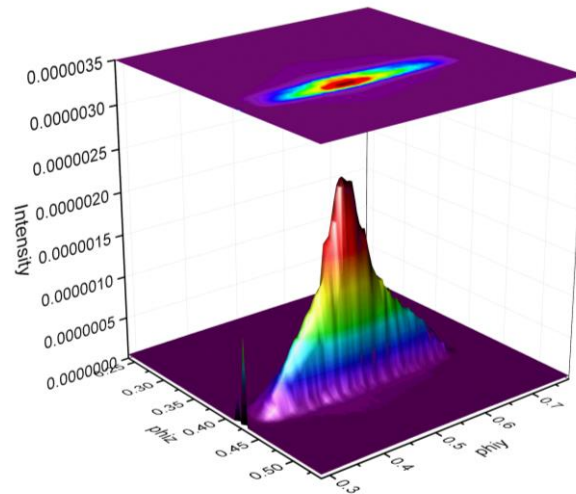


ID30A1 is Massif1:  
 Fully automated beamline

Adding a transfocator in EH1:  
 Horizontal factor 4  
 Vertical factor 2

2020:  
 $178 \times 28 \mu\text{m}^2$   
 $6.10^{12} \text{ photons.s}^{-1}$

Summer 2021





# Experimental Hutch refurbishment

## MicroDiffractometer MD2-S



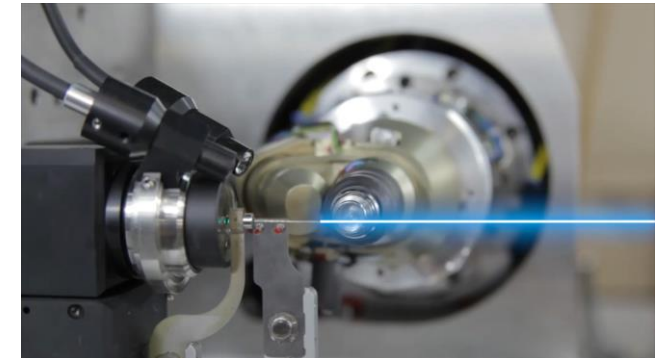
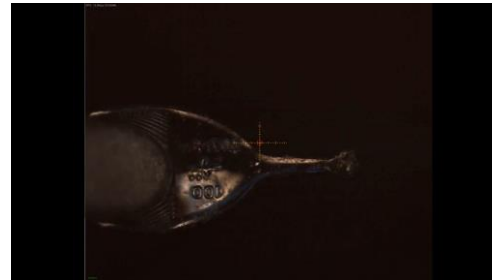
## MicroDiffractometer MD2-S:

Pentapertures(10-20-30-50-100, 300)

Mini-kappa

Movable beamstop

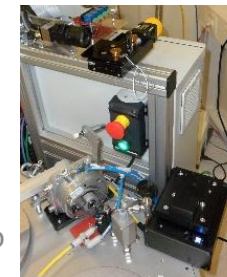
Fast mesh scan



## Sample Changer FlexHCD:

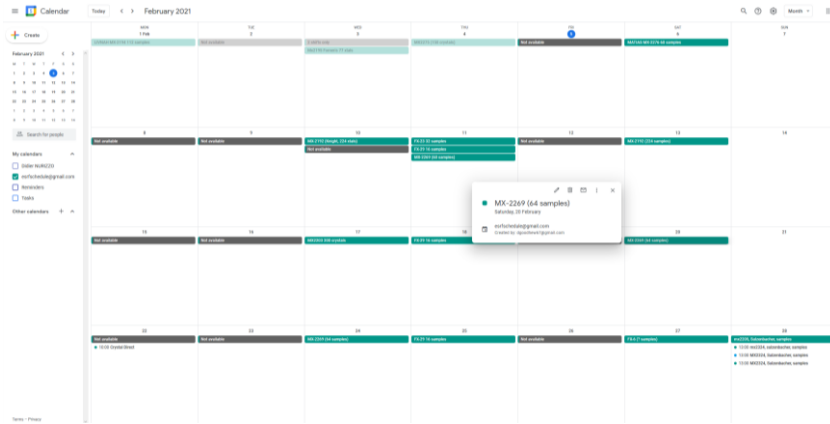
Code reader

RFID reader



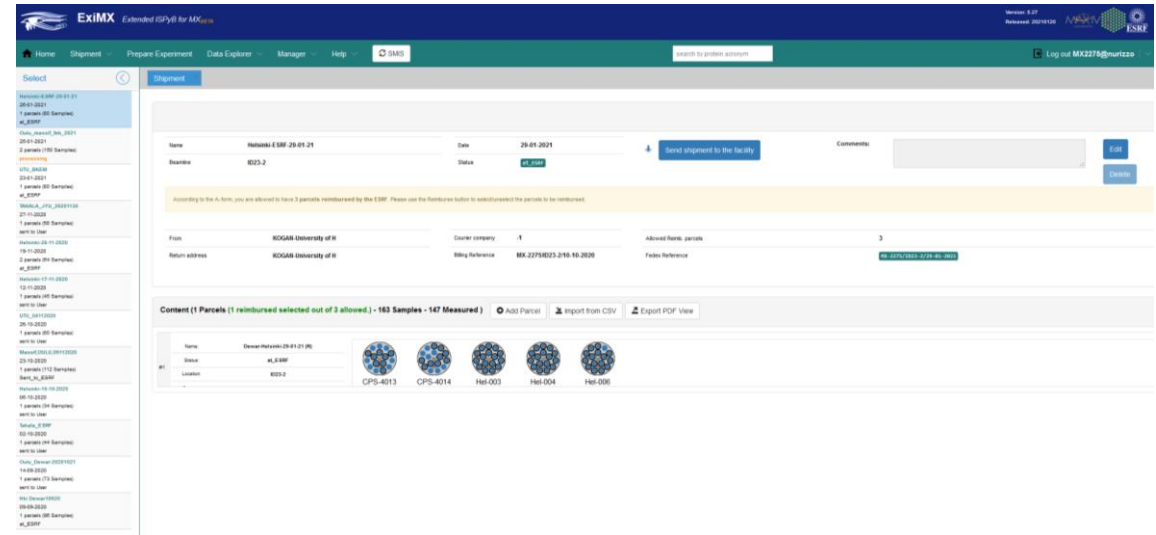
# take home message

## Google calendar booking



Unipuck ONLY  
with SPINE sample holders

## EXI shipment



# Best quality data