

**Facility Update** 

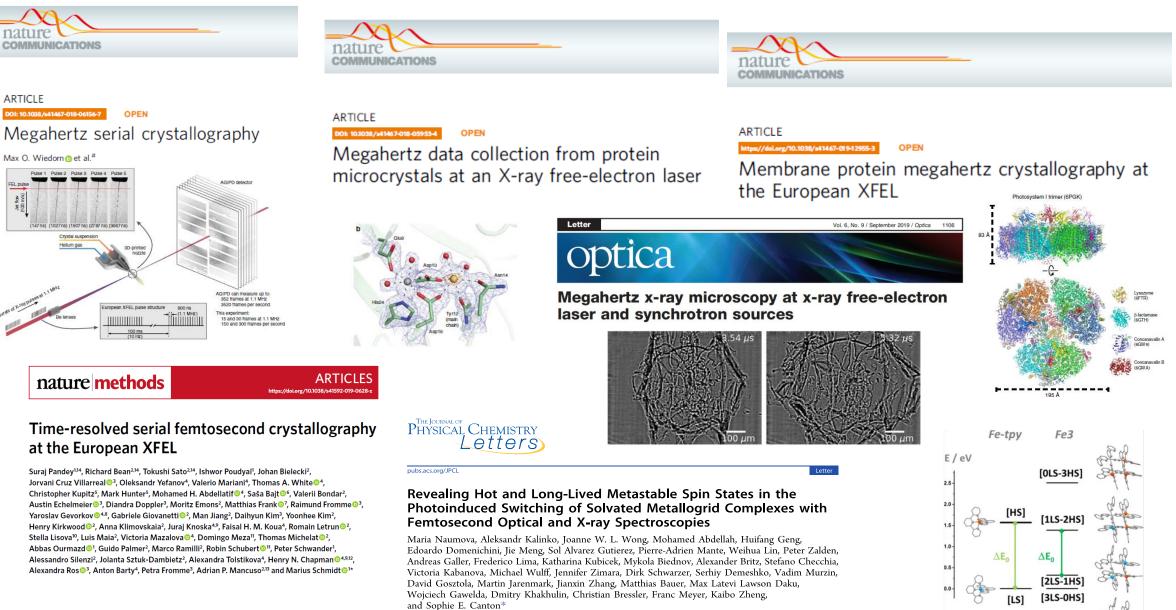
### Sakura Pascarelli

European XFEL Online Event June 9<sup>th</sup> 2020

#### Facility Update

ARTICLE

Jet flow (100 m/s)



Read Online

Cite This: https://dx.doi.org/10.1021/acs.jpclett.9b03883

#### 3

MDPI

## Last 2 months...

#### PHYSICAL REVIEW X

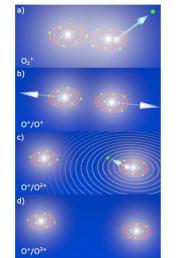
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#### Accepted Paper

Photoelectron diffraction imaging of a molecular breakup using an X-ray free-electron laser Phys. Rev. X

Filys. Rev. A

Gregor Kastirke et al. Accepted 15 April 2020



### AIP Scilight

HOME BROWSE INFO

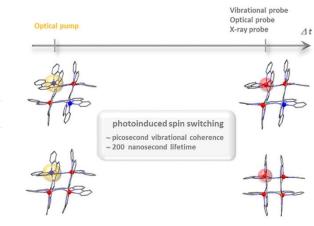
05 JUNE 2020 • https://doi.org/10.1063/10.0001326

# Solvated iron metallogrid complex exhibits reversible photocycle

#### ARTICLES https://doi.org/10.1038/s41566-020-0607-z

Check for updates

#### A MHz-repetition-rate hard X-ray free-electron laser driven by a superconducting linear accelerator



photonics



#### ARTICLE

#### https://doi.org/10.1038/s42005-020-0362-y OPEN

Megahertz single-particle imaging at the European XFEL

Egor Sobolev 🗊 et al.#



#### Review

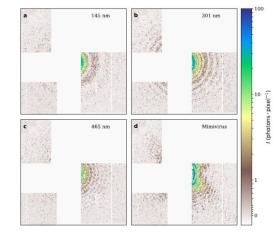
#### First Experiments in Structural Biology at the European X-ray Free-Electron Laser

#### Grant Mills 1,8, Richard Bean 1 and Adrian P. Mancuso 1,2

- <sup>1</sup> European X-Ray Free-Electron Laser Facility GmbH, Holzkoppel 4, 22869 Schenefeld, Germany; richard.bean@xfeleu (R.B.); adrian.mancuso@xfeleu (A.P.M.)
- <sup>2</sup> Department of Chemistry and Physics, La Trobe Institute for Molecular Science, La Trobe University, Melbourne, VIC 3086, Australia
- Correspondence: grant mills@xfeLeu

Received: 24 April 2020; Accepted: 18 May 2020; Published: 25 May 2020

check for updates





#### 4

### **Revised Operation Schedule 2020**

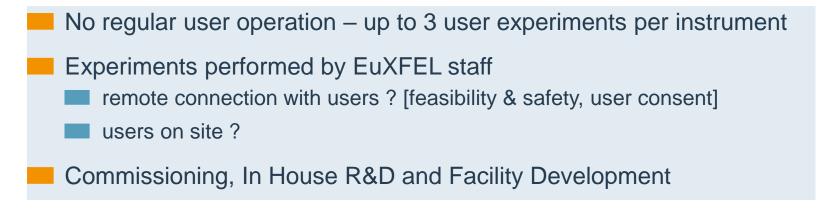
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- < 16 March: Normal operation</p>
- 16 March 3 May: Reduced operation
- 4 May 8 June: Restart
- 8 June 3 July: Summer Shutdown
- 4 July: Restart Accelerator
- 21 July: Restart X-ray operation on instr.
- September: User operation

**2020-II** 

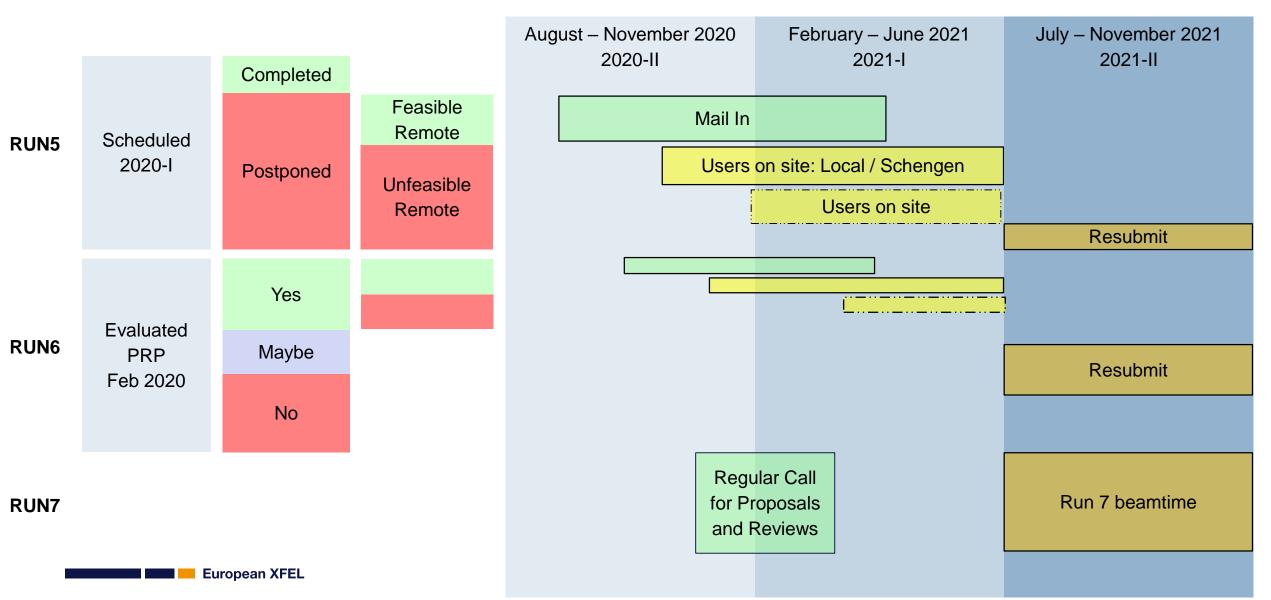
Facility Update

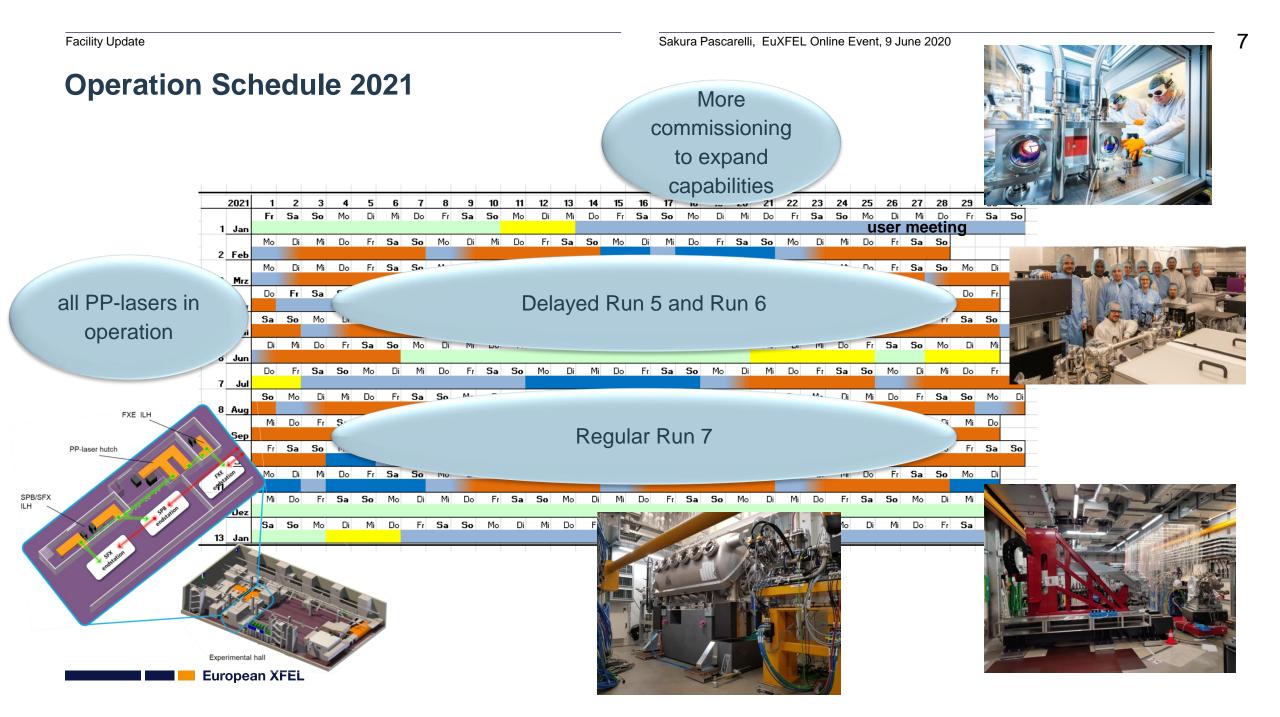
- Restart of User Operation on all instruments: September 2020
- Secure safety of European XFEL staff members and users on site
- Evolving boundary conditions
  - Working conditions in Experimental Hall
  - Travel / mobility restrictions of users
- Will try our best to have fair access for all shareholder countries





### **User Operation – after COVID-19 Pandemic**

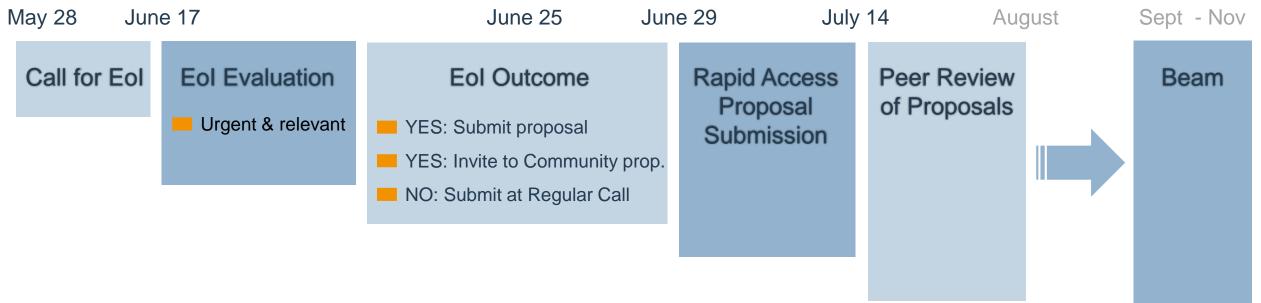




### Call for expressions of interest for rapid access COVID-19 related research opportunities

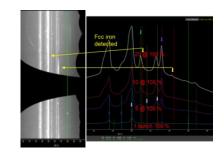
Support the global campaign against the novel Coronavirus, SARS-CoV-2

Offer specific and rapid access to the resources of the facility

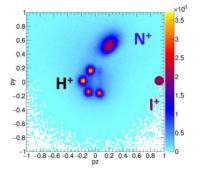


#### Facility Update

## Thank you for your attention



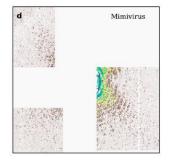
HED: Melting of Fe at Earth's core conditions



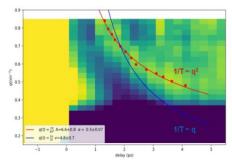
SQS: Coulomb explosion of lodopyridine

X	
	A.

MID: Capturing early stages of crystallization in Kr



SPB/SFX: Scattering from Mimivirus



SCS: Resonant x-ray scattering from FePt nanoparticles

# Challenging times ..... but new opportunities to "connect"!!

European XFEL

9

FXE: Melting and supercooling of Pd