



# Diffraction STAP update

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# Instruments



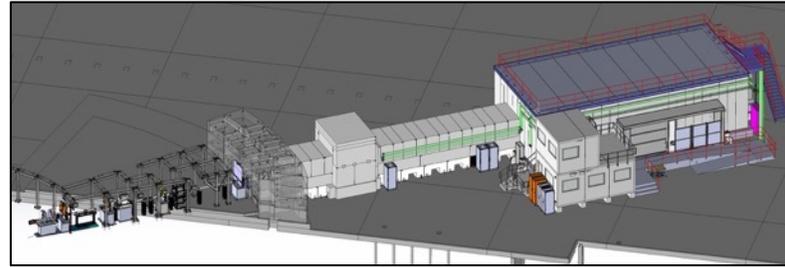
## MAGiC

Denis Vasiukov\*



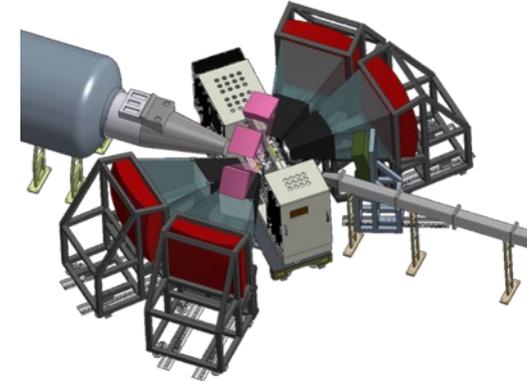
## ODIN

Robin Woracek\*  
(Robin.Woracek@ess.eu)



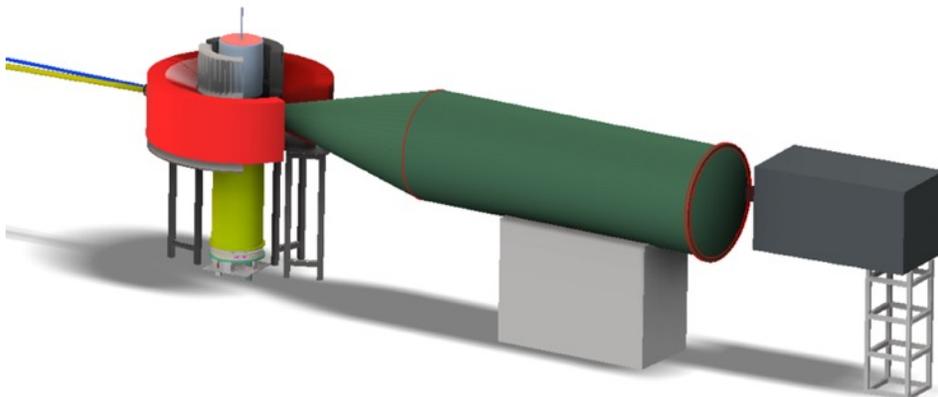
## BEER

Premek Beran  
(premysl.beran@ess.eu)



## HEIMDAL

Dan Mannix  
(dan.mannix@ess.eu)



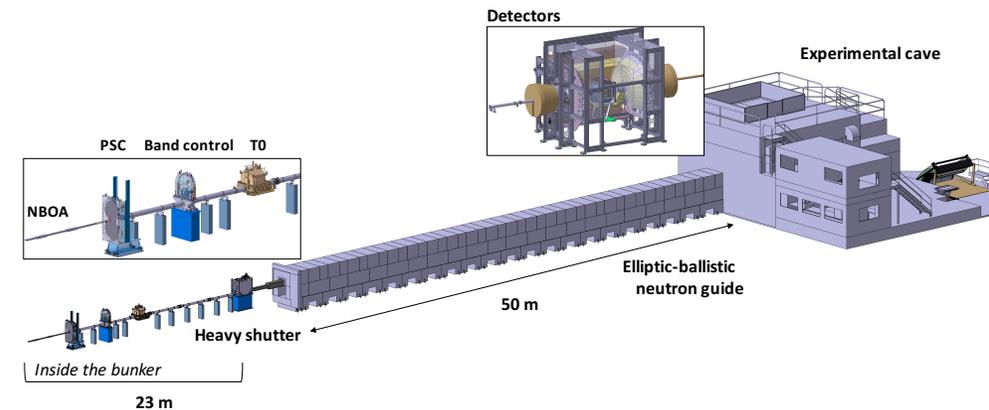
## TBL

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## DREAM

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(florence.porcher@ess.eu)



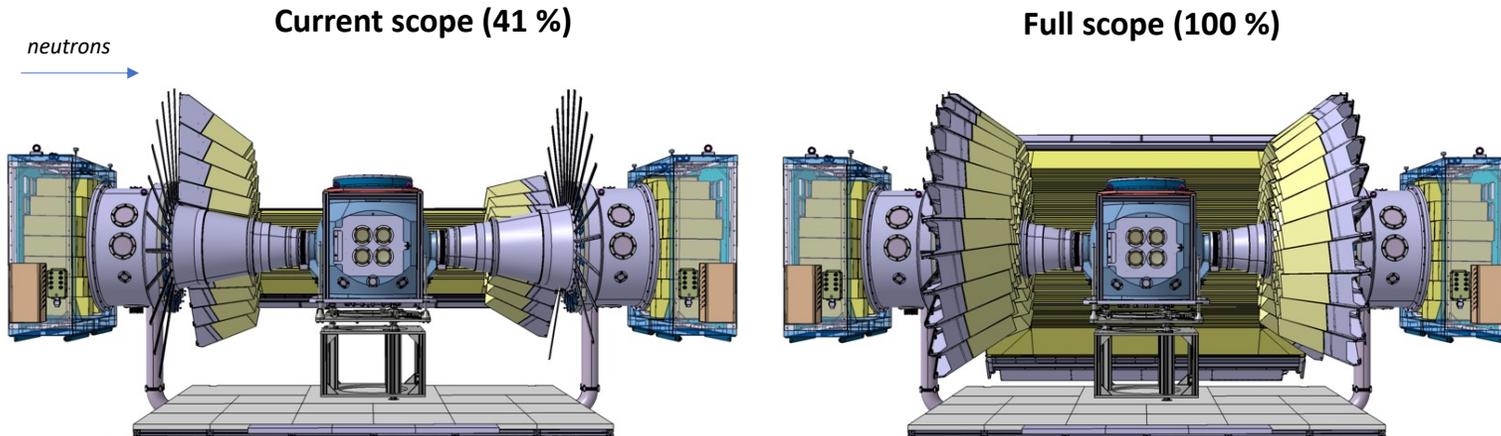
# Updates



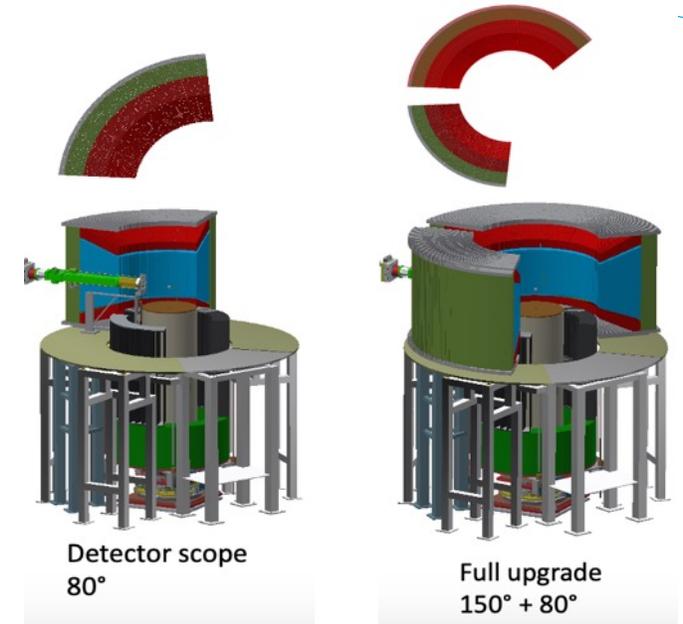
- New lead instrument scientists for MAGiC and DREAM
- Second instrument scientist for DREAM: recruitment ongoing with UU
- IOE for DREAM: recruitment ongoing
- Re-planning exercises provided more realistic end-of-completion dates (MAGiC and HEIMDAL)
- Regular meetings with NSS, DetG and SSD heads to address short-term challenges
- Each instrument provided “lower cost” de-scoped items list
- Re-scoping priorities were provided to the Science Director

# 1. Complete detector coverage for diffraction suite

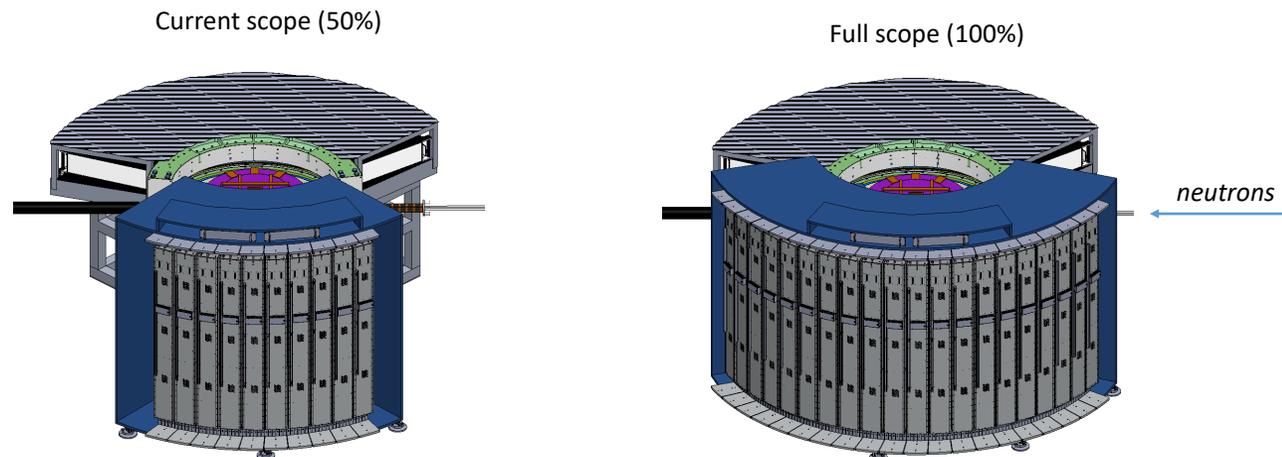
## DREAM



## HEIMDAL



## MAGiC

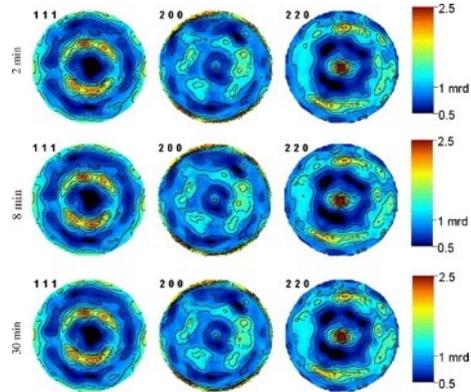


- To be competitive on day 1
- Low risk: same company, same technology

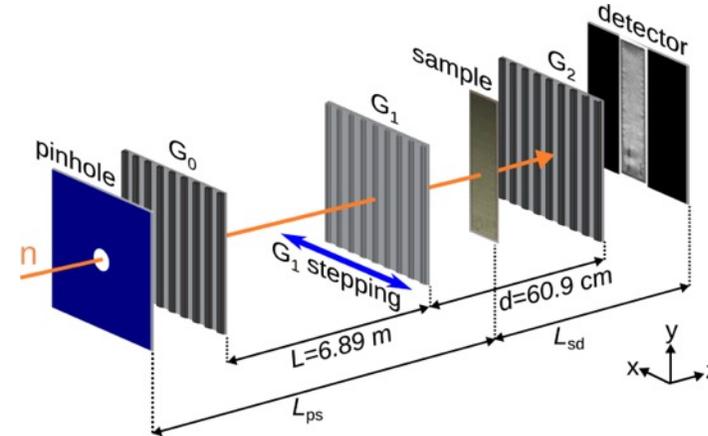
## 2. Recovering capabilities in engineering diffraction and imaging



### BEER texture detectors & choppers

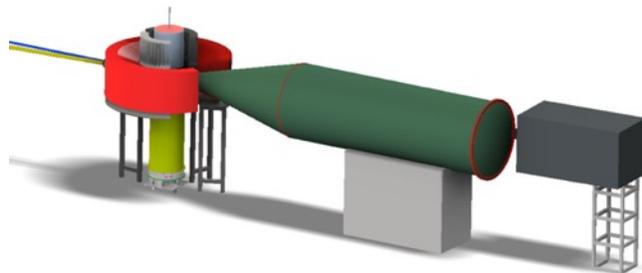


### ODIN grating interferometer



## 3. Recovering SANS options for HEIMDAL and ODIN

### HEIMDAL



### BEER



4. Remaining scope: MAGiC spectroscopy choppers, BEER SEE handling, ODIN diffraction detectors, HEIMDAL imaging option, ODIN SEMSANS option