

# Status of KAIST-CEA Collaboration

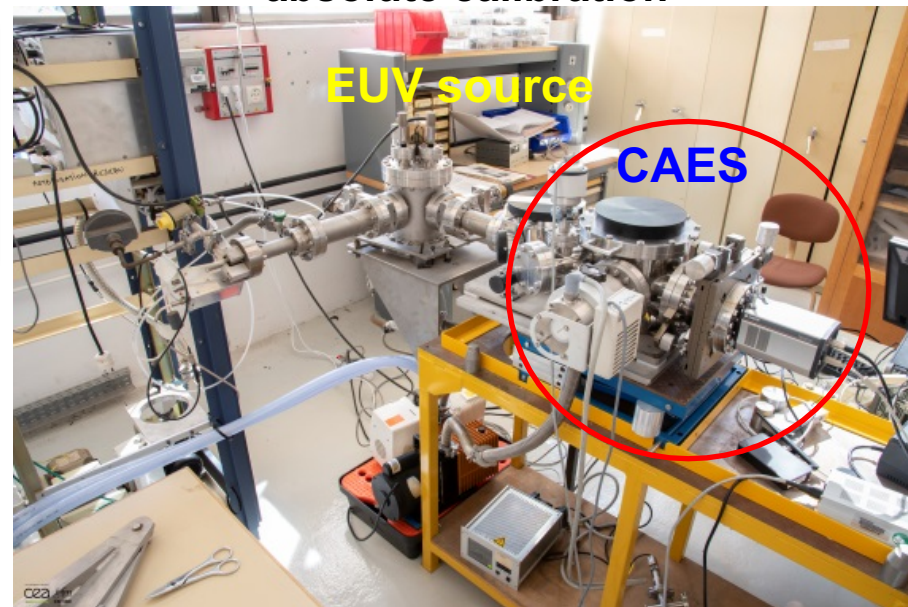
WONHO CHOE, KAIST, Korea

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- High-Z impurity (inc. W) impurity study
- Compact Advanced Imaging EUV Spectrometer (**CAES**) and Bi-CCD detector is located at CEA-IRFM Spectroscopy Lab. (1-7 nm, imaging)
- Fabrication of support and interface for WEST installation: done

- Recent visit of KAIST researchers:  
Nov. 5 – 8, 2018 (1 man-week)  
Apr. 15 – 26, 2019 (4 man-week)

IRFM Lab (April, 2019) ready for absolute calibration



# WEST 2019 activities

- **Done**

- ✓ Alignment of CAES
- ✓ Installation of CAES and detector at the IRFM Spectroscopy Lab
- ✓ Modification and alignment of CAES assembly (inc. BI CCD detector)
- ✓ Preparation of wavelength and sensitivity calibration using the EUV 'Manson' source (waiting for the nuclear safety unit's approval for the calibration source operation)
- ✓ Preparation of CODAC system

- **To be done in 2019**

- ✓ Wavelength and sensitivity calibration
- ✓ Installation on WEST, detector alignment, data acquisition
- ✓ Remote data access from Korea (partner server)

- **Validation of the KAIST Impurity Code using the WEST data (from WEST Grazing Incidence Spectrometer) on-going**

# 2019 Schedule

