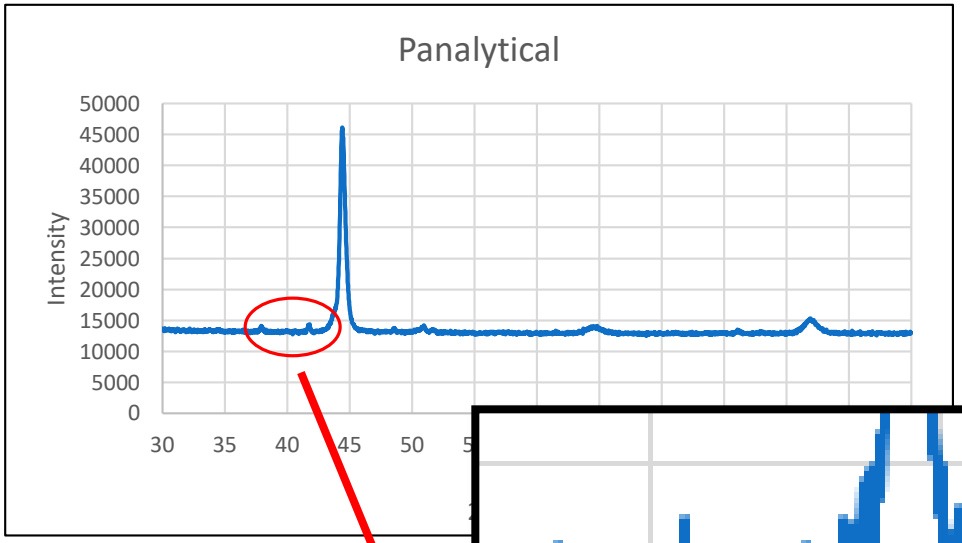
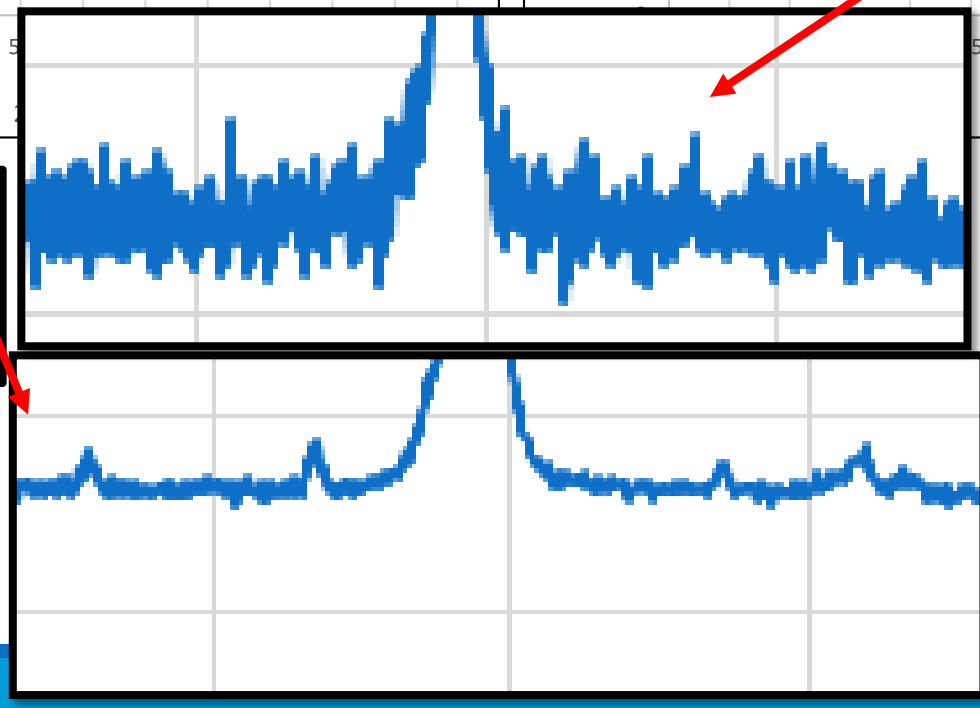
Panalytical Vs. B.....

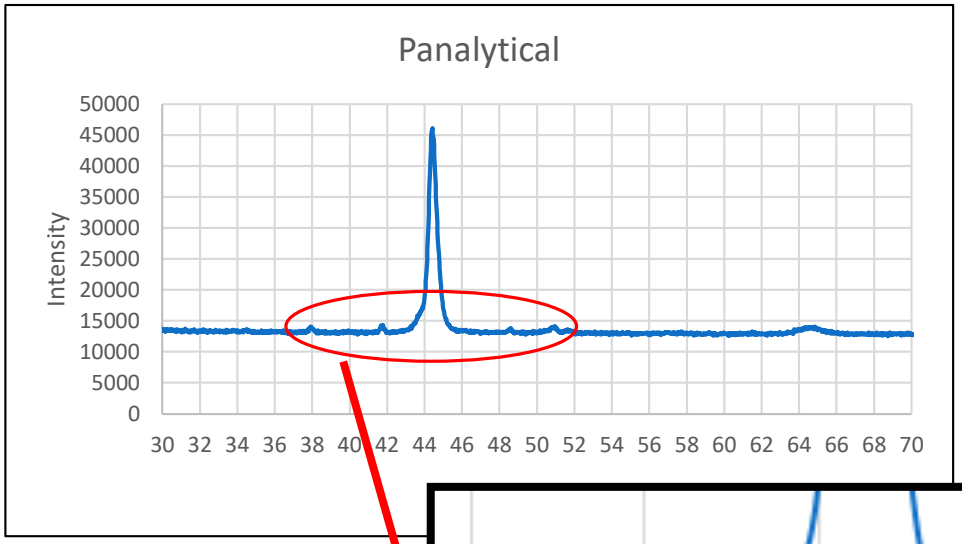


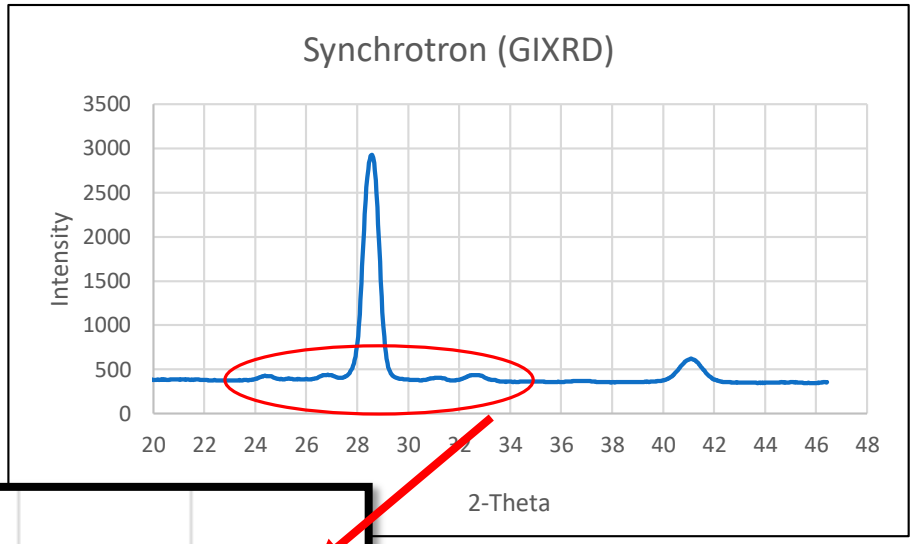
Model: Panalytical Aeris
X-ray source : Cu
Wave length: 1.5406 Å
Detector: PIXcel1D detector
Diffracting area: 10 mm2



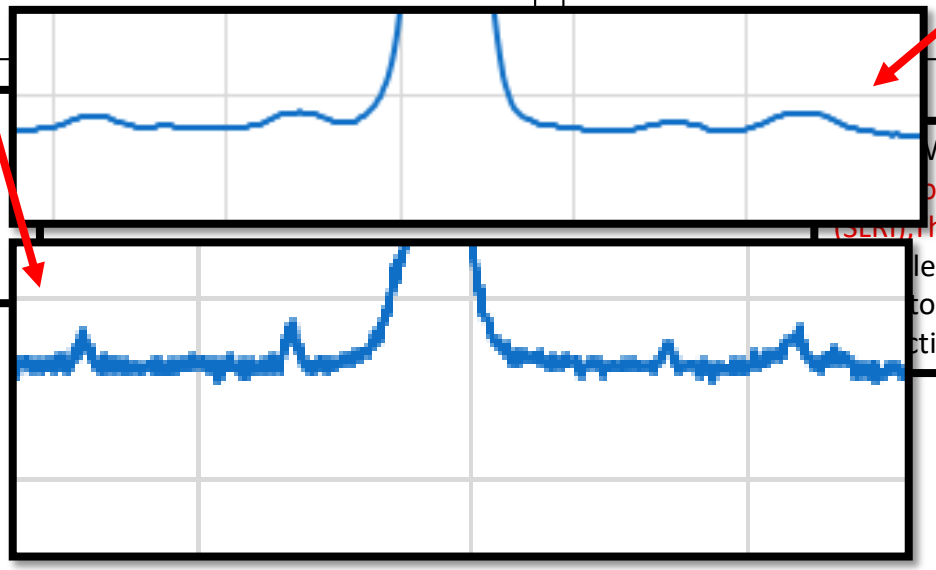
Model: B...
X-ray source : Cu
Wave length: 1.5406 Å
Detector: 1-D Detector
Diffracting area: ??

Panalytical Vs. Synchrotron (GI-XRD)





Model: Panalytical Aeris
X-ray source : Cu
Wave length: 1.5406 Å
Detector: PIXcel1D detector
Diffracting area: 10 mm2



V: Multiple X-ray Techniques,
otron Light Research Institute
(SLRI), Thailand. (X-ray source : Synchrotron)
length: 1.0332 Å
tor: 2-D Detector
cting area: Sample surface

CH3 High chromium white cast iron - as cast

1) XRD powder pattern

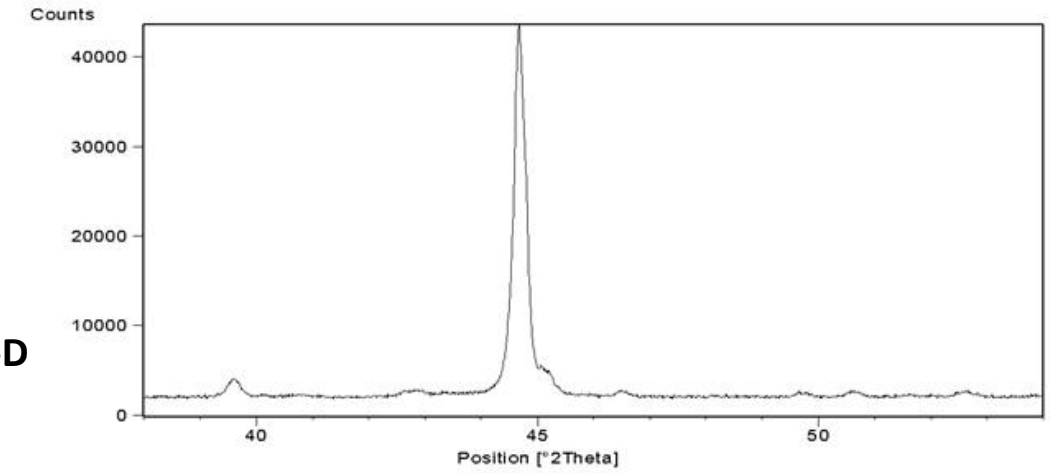
X'Pert diffractometer equipped with a Xcelerator detector

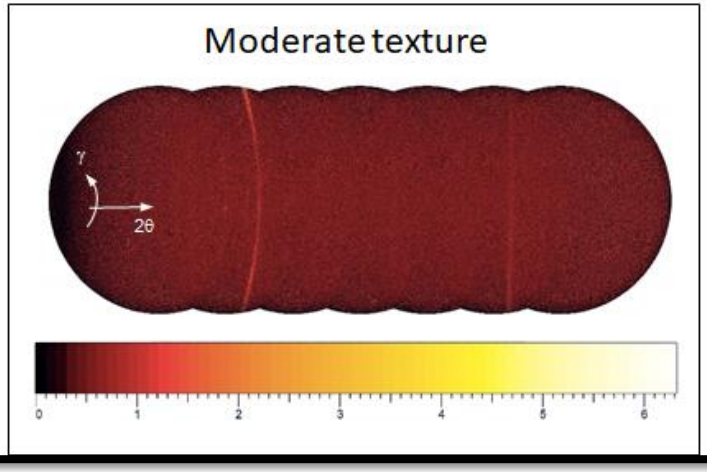
Diffracting area: 10 mm^2

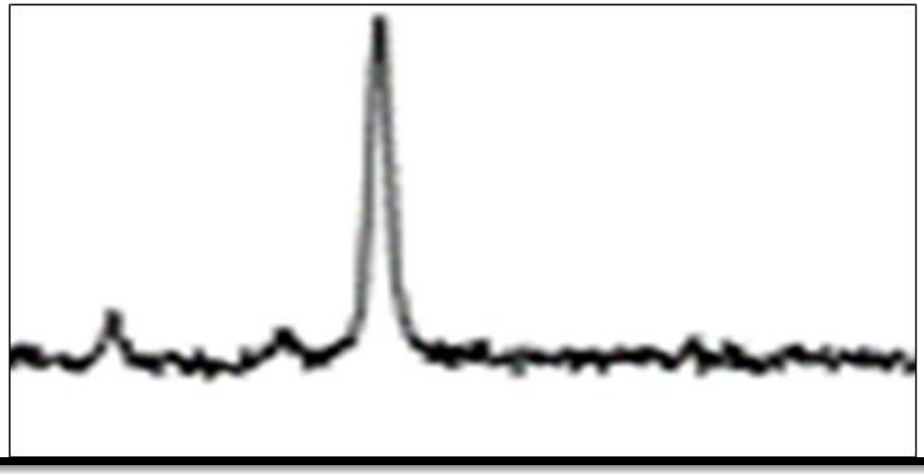
2) microXRD pattern

Bruker Discovery equipped with 2-D VÅNTEC-500 detector

Diffracting area: 1 mm^2







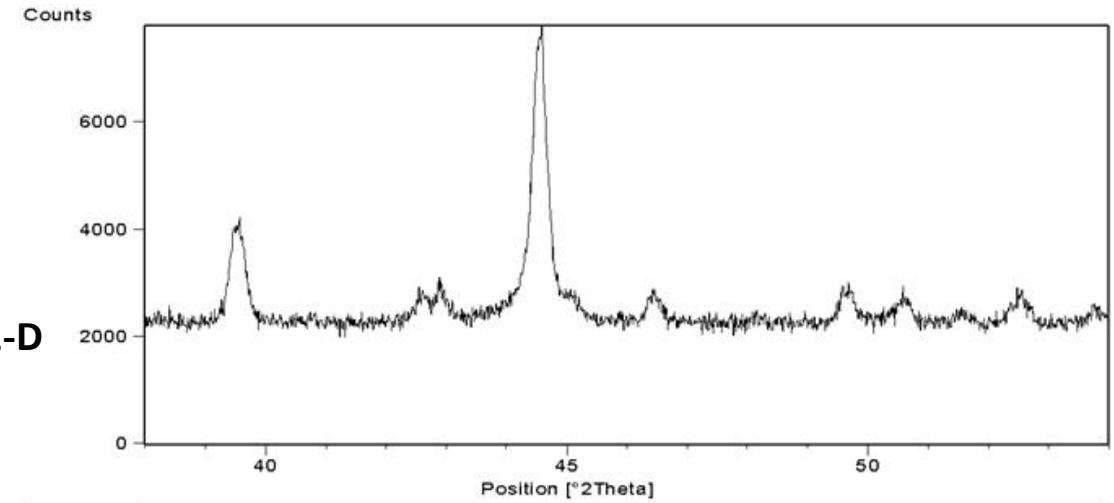
CH6 High chromium white cast iron - as cast

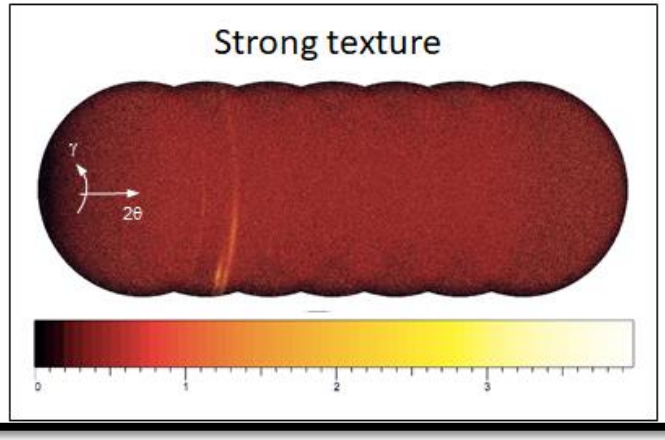
1) XRD powder pattern

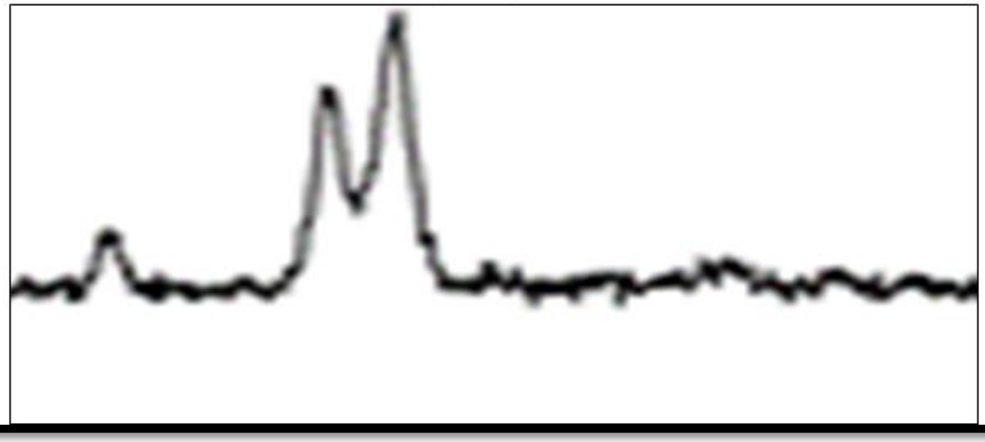
X'Pert diffractometer equipped with a Xcelerator detector
Diffracting area: 10 mm²

2) microXRD pattern

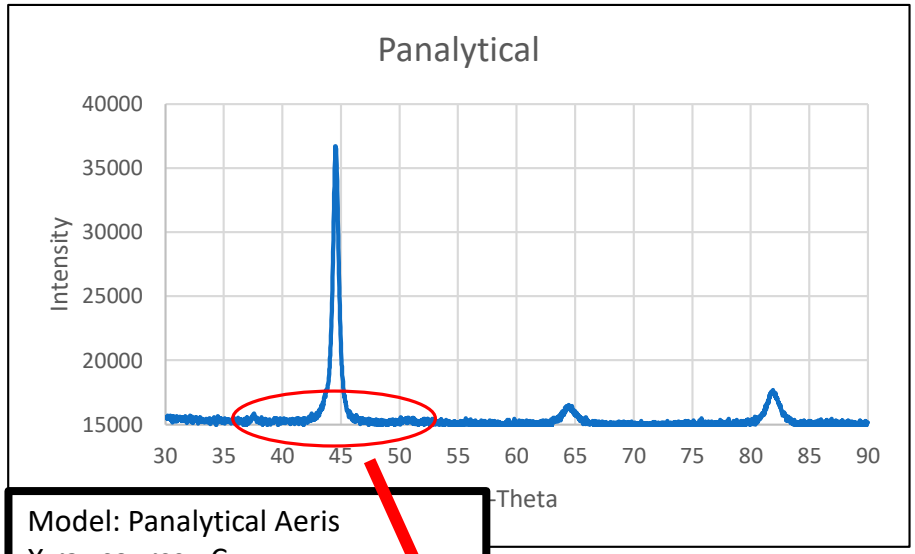
Bruker Discovery equipped with 2-D VÅNTEC-500 detector
Diffracting area: 1 mm²



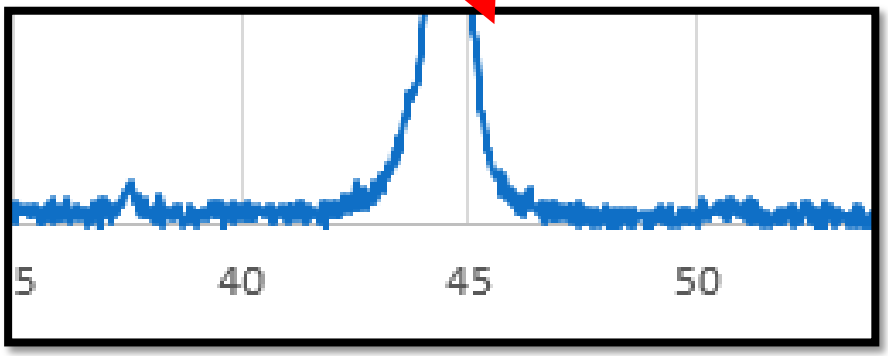


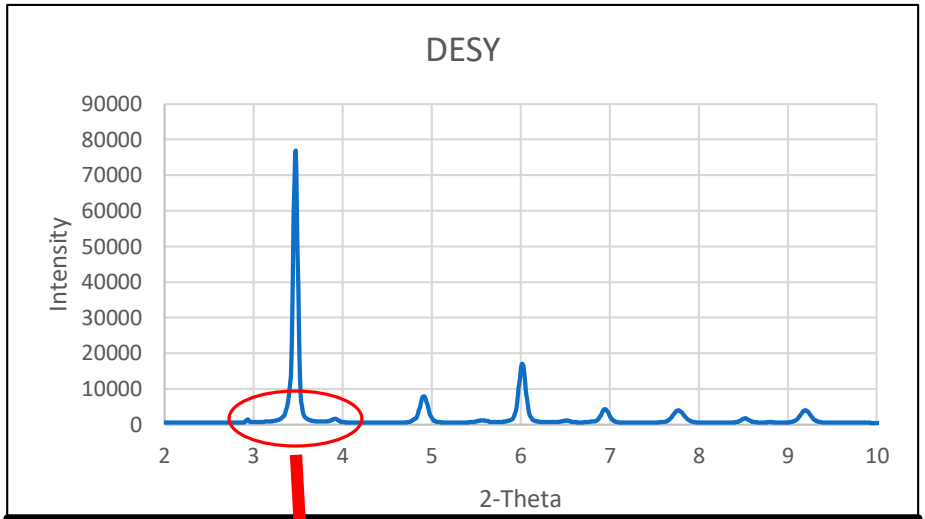


Panalytical Vs. Synchrotron (DESY)

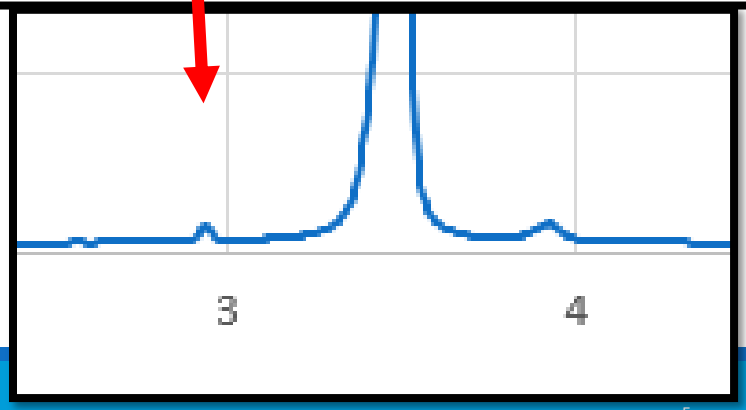


Model: Panalytical Aeris
X-ray source : Cu
Wave length: 1.5406 Å
Detector: PIXcel1D detector
Diffracting area: 10 mm2

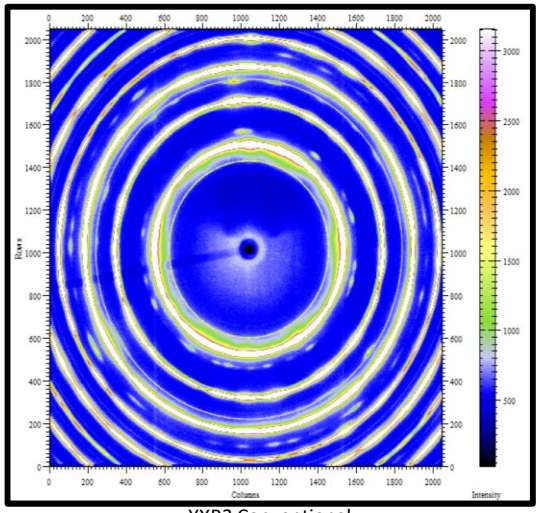


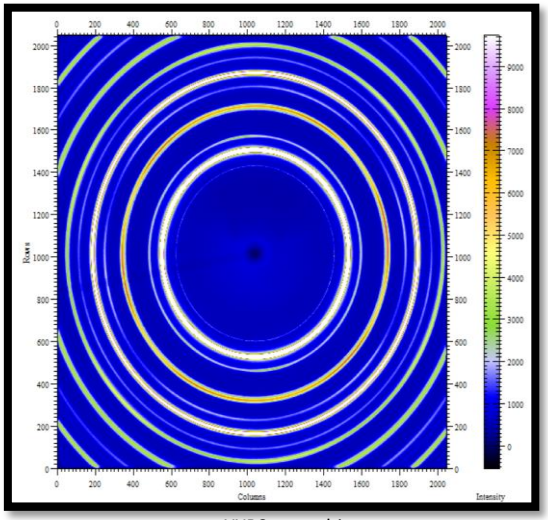


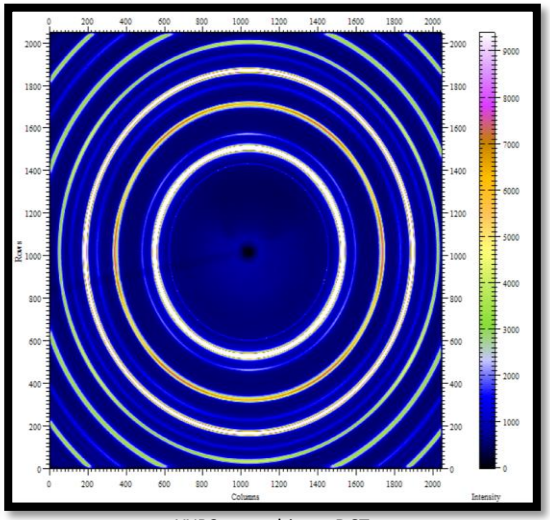
P07 The High Energy Materials Science Beamline of Helmholtz-Zentrum Geesthacht (HZG) and DESY, Germany.
X-ray source : Synchrotron
Wave length: 0.1420 Å
Detector: 2-D Detector (Transmission mode)
Diffracting area: 1 mm x 1mm x 10 mm

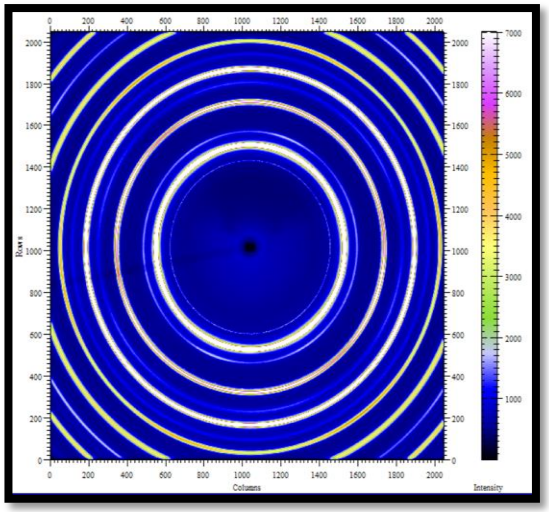


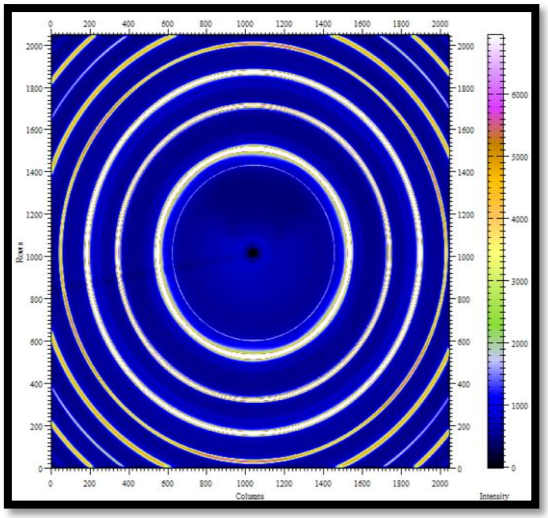
Synchrotron (DESY)

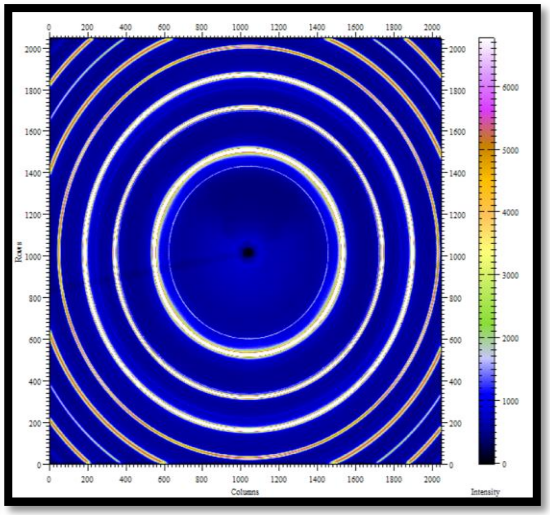

YXR3 Conventional


YXR3 quenching


YXR3 quenching + DCT


YXR3 DCT + Tempering 200


YXR3 DCT + Tempering 560


YXR3 DCT + Tempering 600