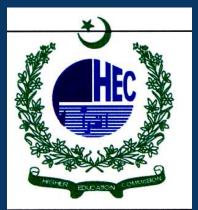






Neutron Studies of SiC_f/SiC composite materials





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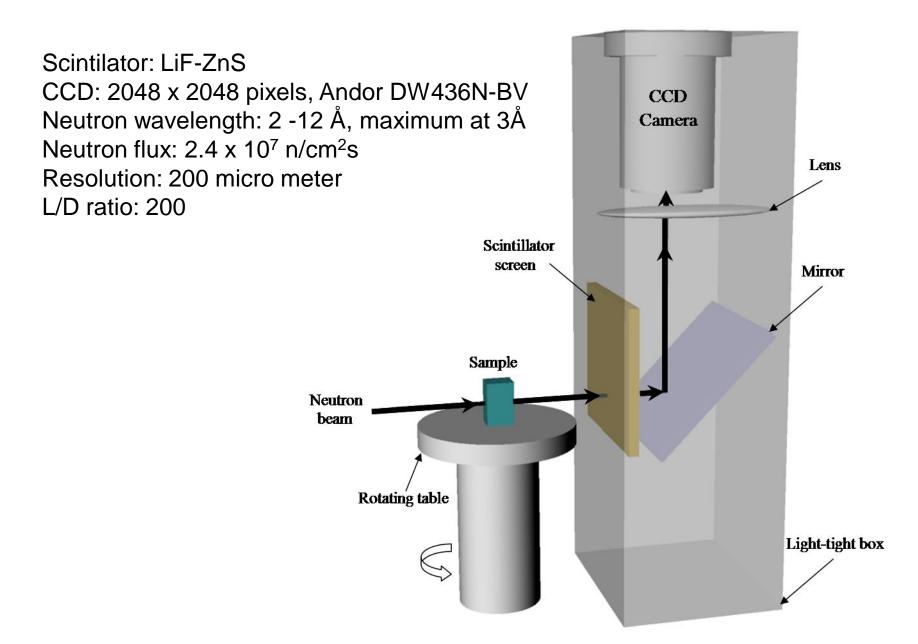
SiC_f/SiC

 Composite materials like SiC_f/SiC relevant to fission/fusion reactors

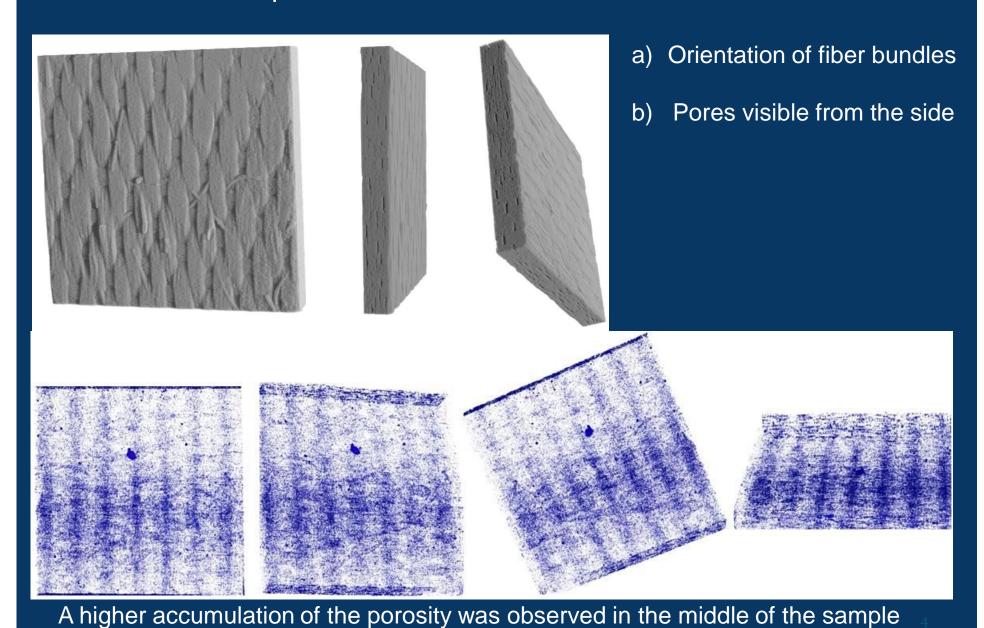
 NT enables a visualization of the internal structure and pore distribution

Determination of pore size and their distribution very important

Stability and reliability very important



Study of SiC_f/SiC composite by neutron imaging



Conclusions and Outlook

- Neutron as a probe in material science and engineering
- Non destructive visualization of the internal structure of the samples
- Three dimensional analysis
- Pore distribution
- Detection of inhomogeneities
- Qualitative and quantitative analysis
- Radiation damage studies
 - Experimental
 - Simulation



Thank You