



3



Source: XDS 2016 "XRPD and Rietveld" course



























48

49

Sample motion

10.0 2-Theta, deg

48

Motion should be 90° to the diffraction vector No effect on preferred orientation in reflection geometry! May slightly improve particle statistics; no improvements if large grains are present































80

processes in

cement mill(s

10.0

11.0

12.0

13.0

14.0

15.0 20/° 16.0













- Results can be used semi-quantitatively
- XRD patterns are recorded continuously
- Sample temperature is controlled
 - Inside XRD can be hot during measurement
 - Hydration kinetics is highly temperature dependent







