



1st Results on the 100 R&D crystals measured in RCCERN on ACCOCE2

E. Auffray, CERN EP-CMA

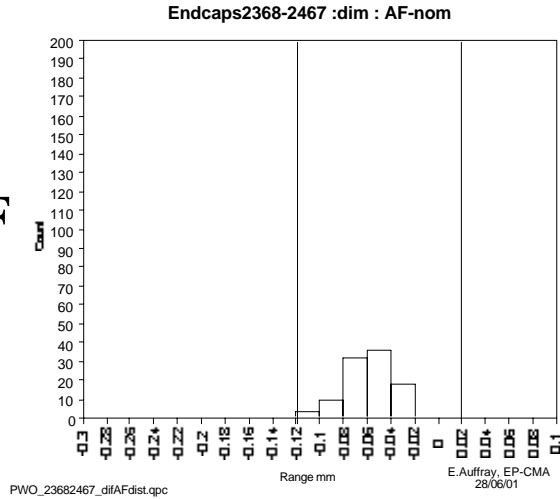
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- ◆ We have received 100 polished Endcaps crystals in June 2001 from Bogoroditsk:
 - One was broken by Fedex at the Russian custom
 - the 99 left have been tested in CERN RC
 - » Visual Inspection,
 - » Characterised with ACCOCe2



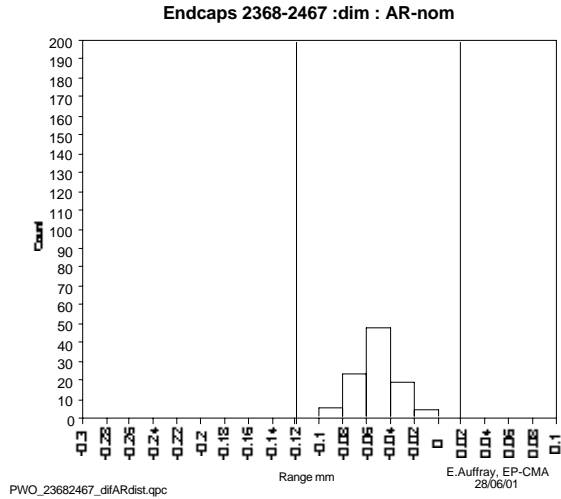


Lateral Dimension

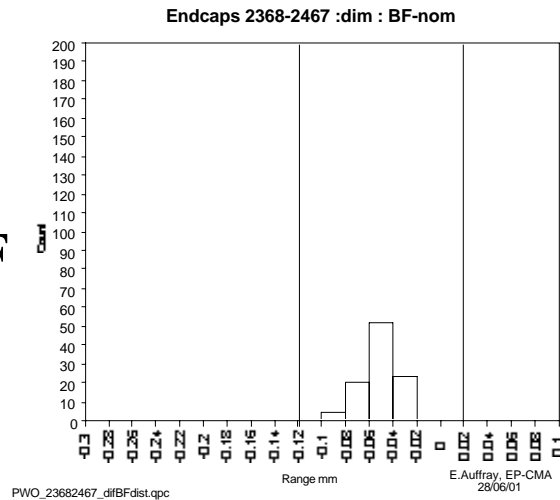
AF



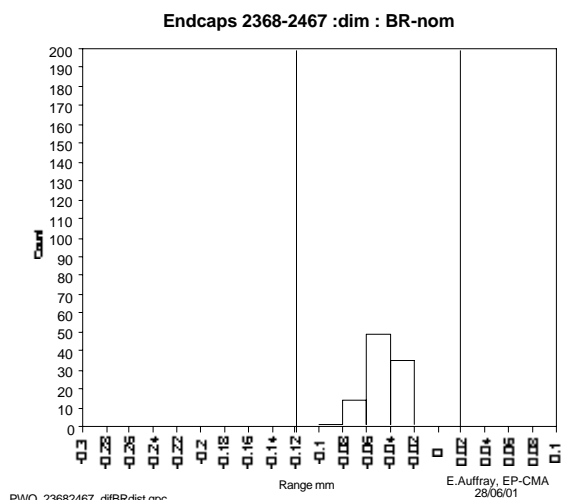
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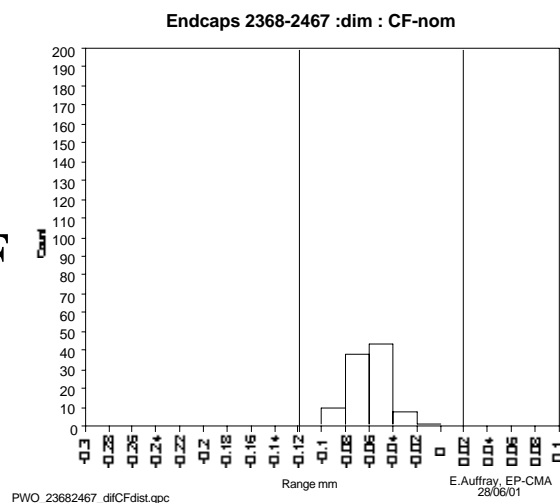
BF



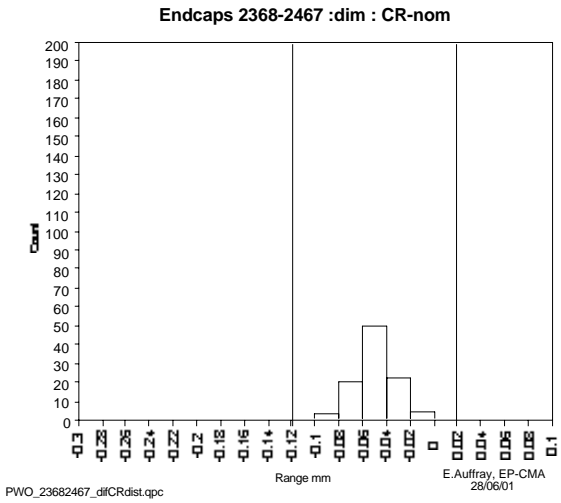
BR



CF



CR

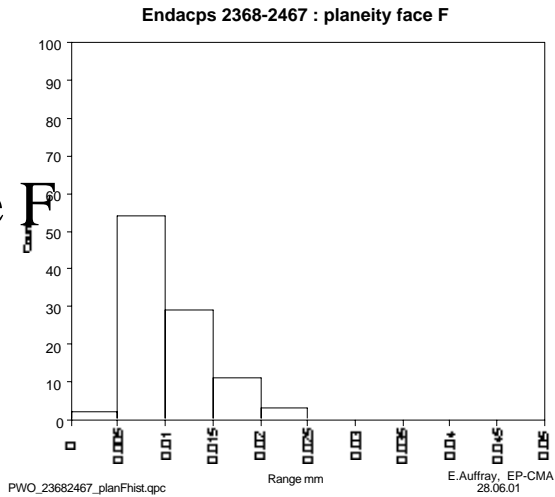




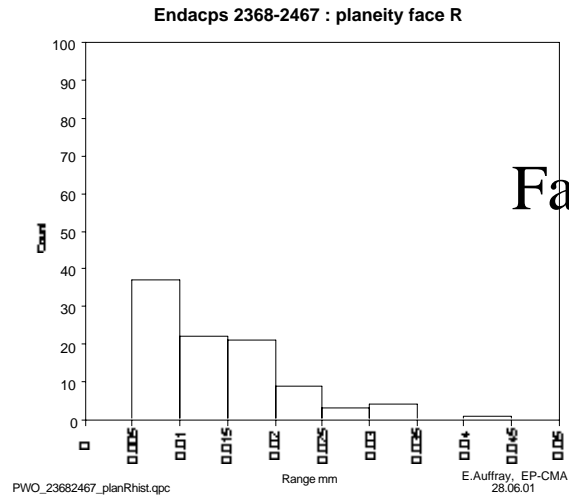
Dimension Planarity



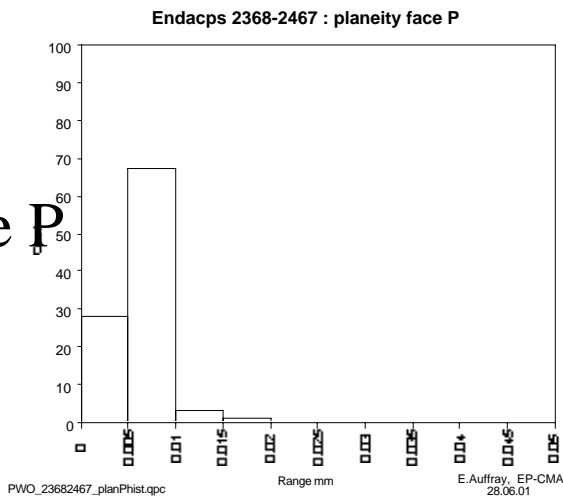
Face F



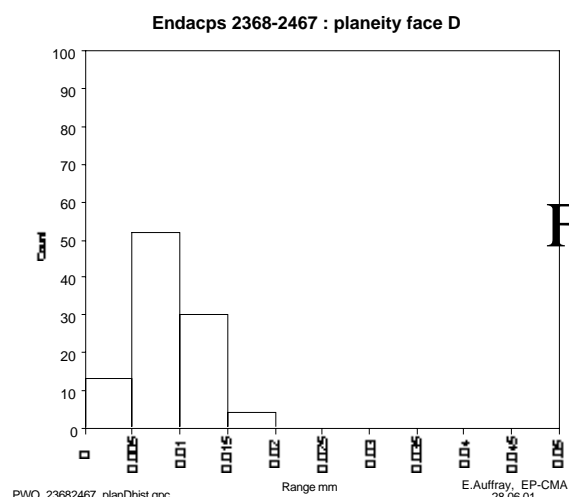
Face R



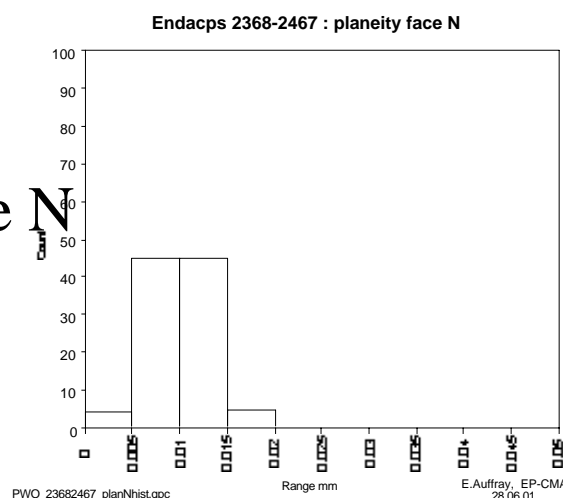
Face P



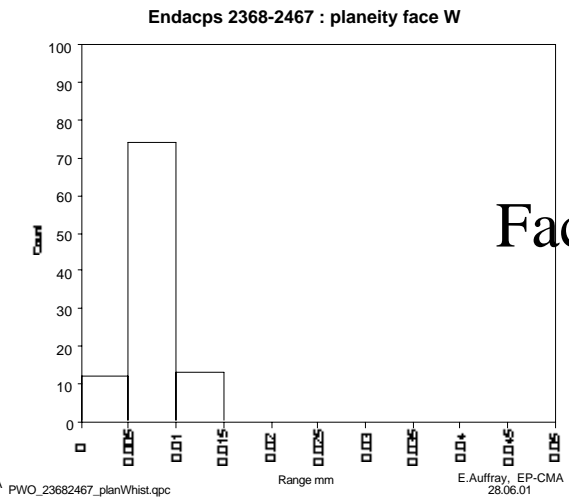
Face D



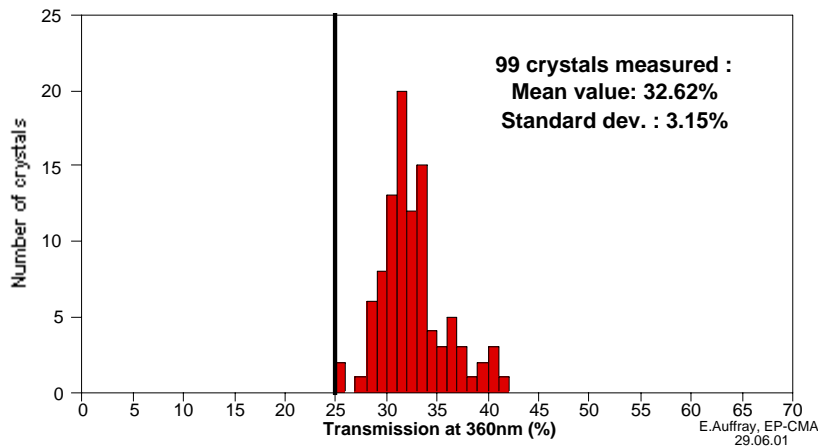
Face N



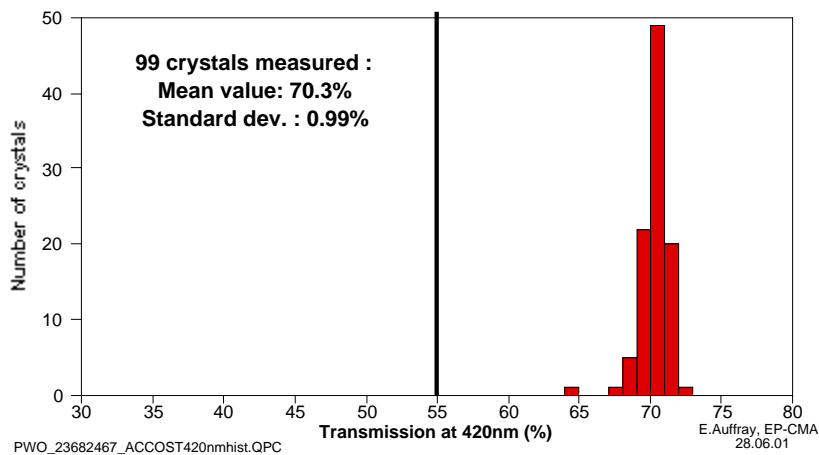
Face W



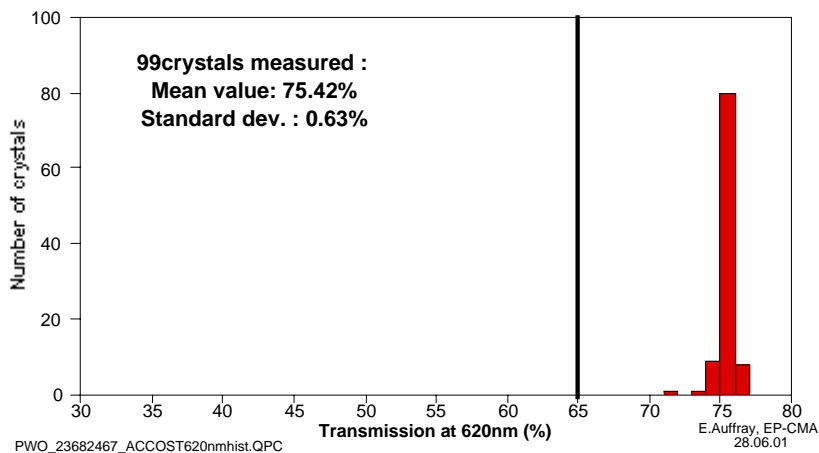
Longitudinal Transmission



360nm



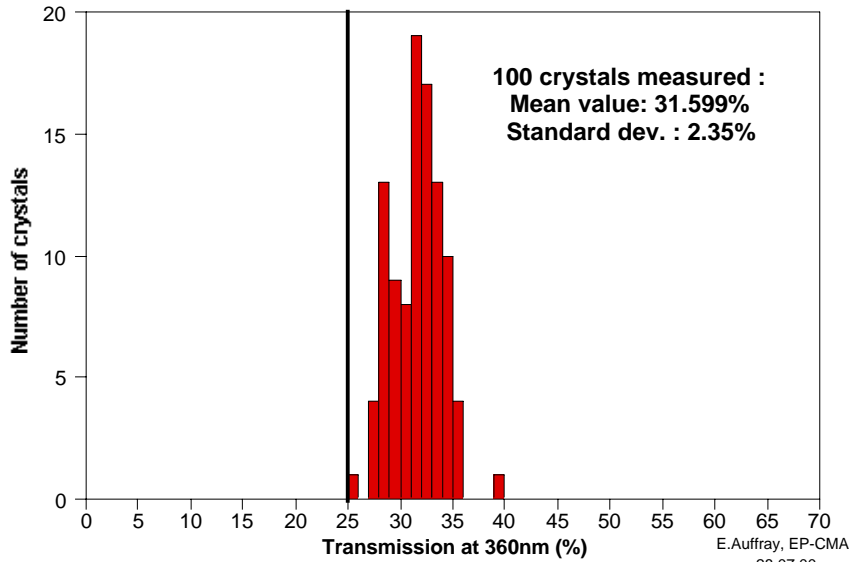
420nm



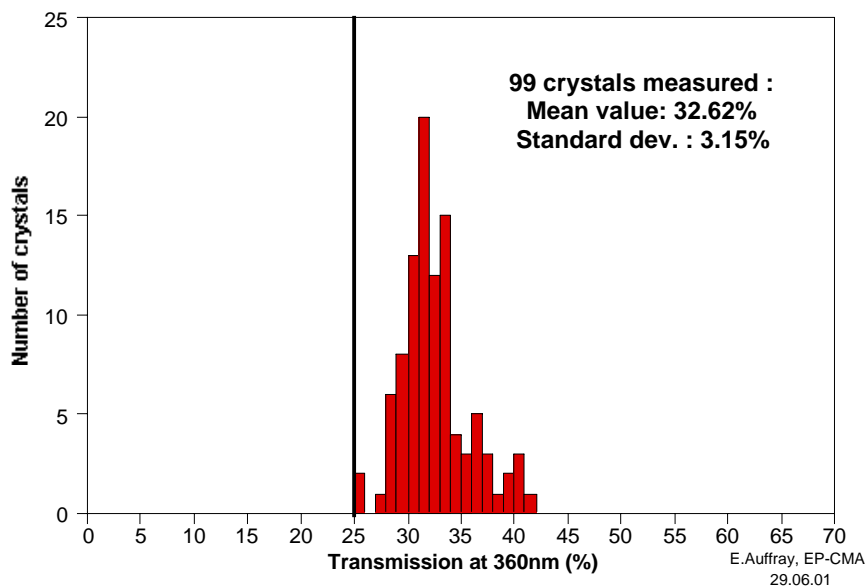
620nm



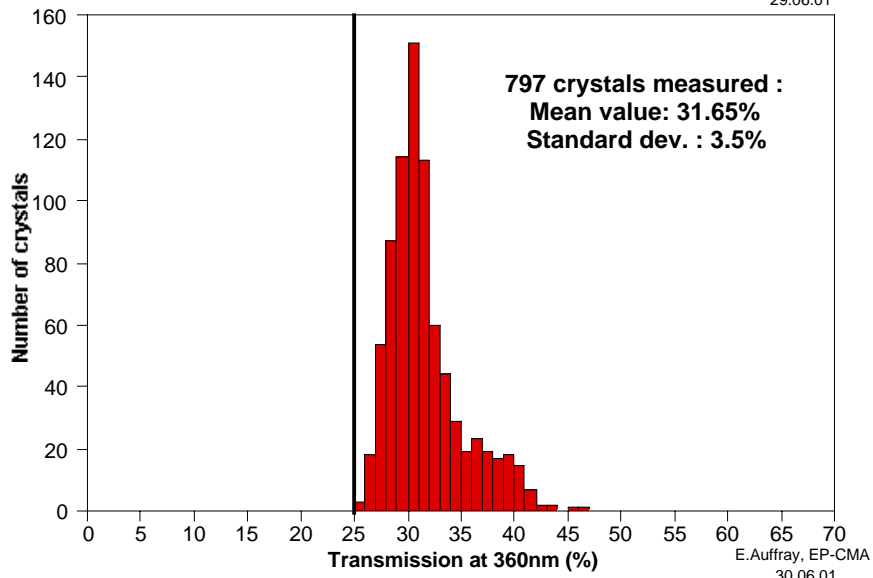
Longitudinal Transmission @ 360nm



100Endcaps
2000



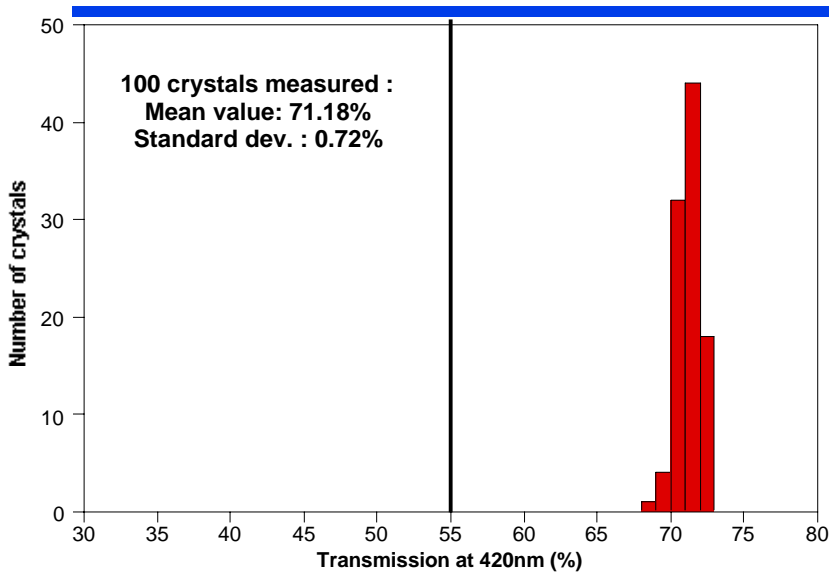
100Endcaps
2001



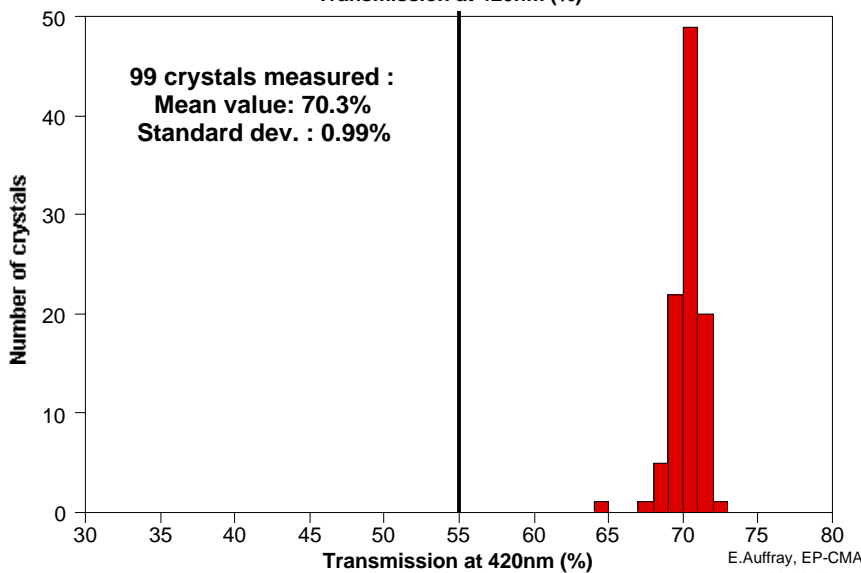
BatchP2
Barrel



Longitudinal Transmission @ 420nm



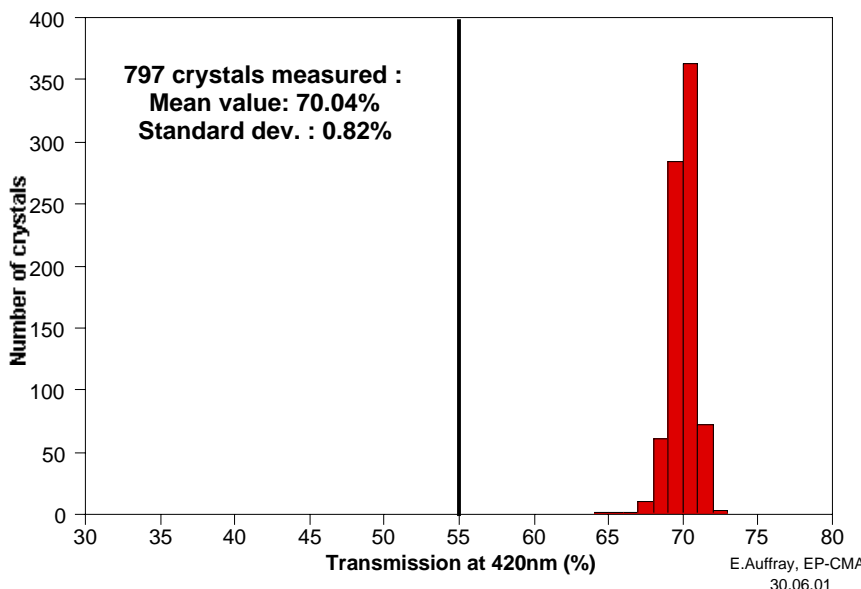
100 Endcaps
2000



100 Endcaps
2001

PWO_23682467_ACCOST420nmhist.QPC

E.Auffray, EP-CMA
28.06.01

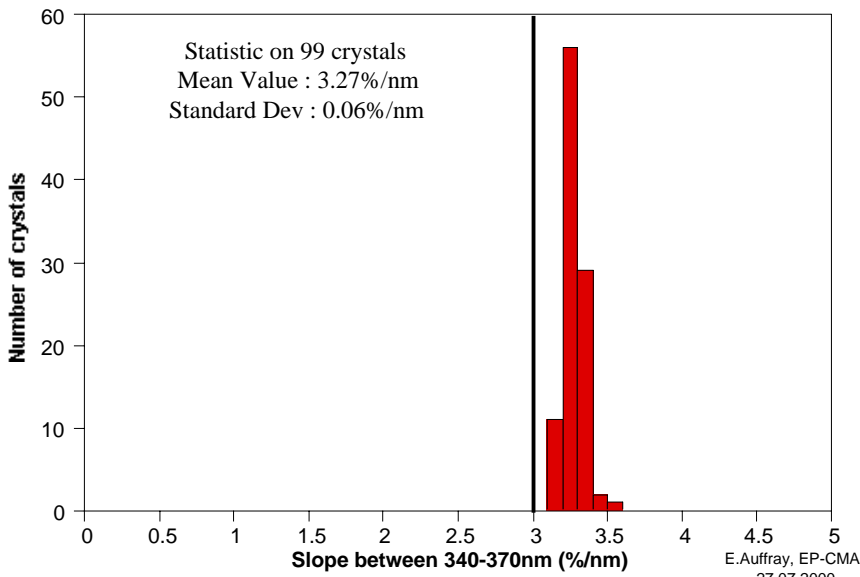


BatchP2
Barrel

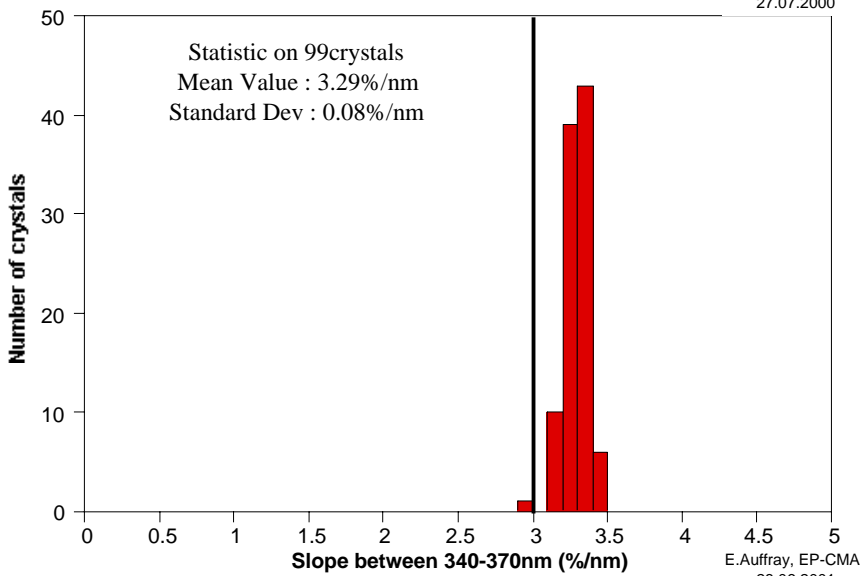
E.Auffray, EP-CMA
30.06.01



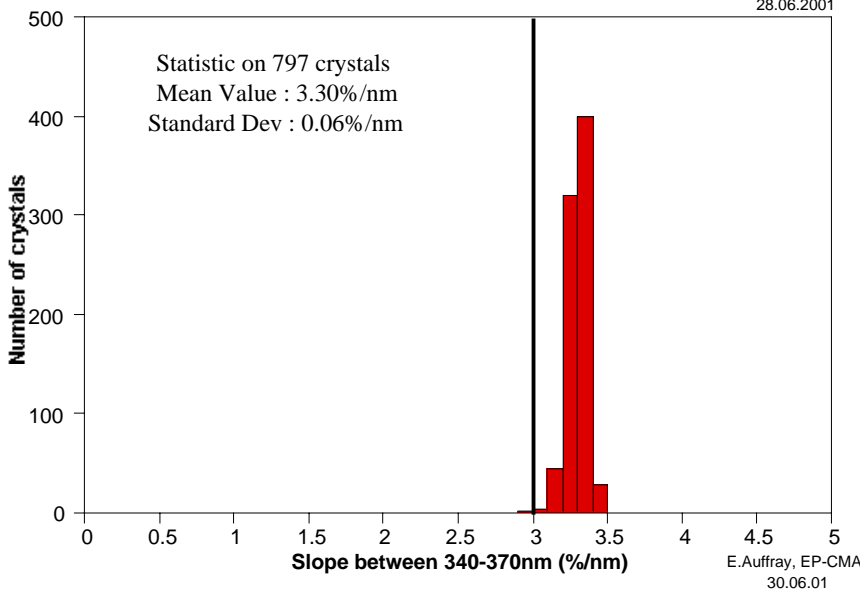
Slope of Transmission



100 Endcaps
2000



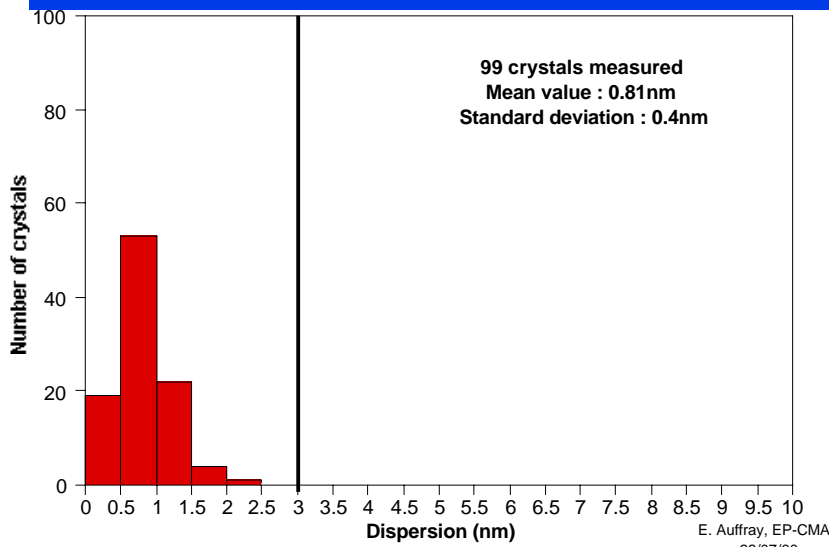
100 Endcaps
2001



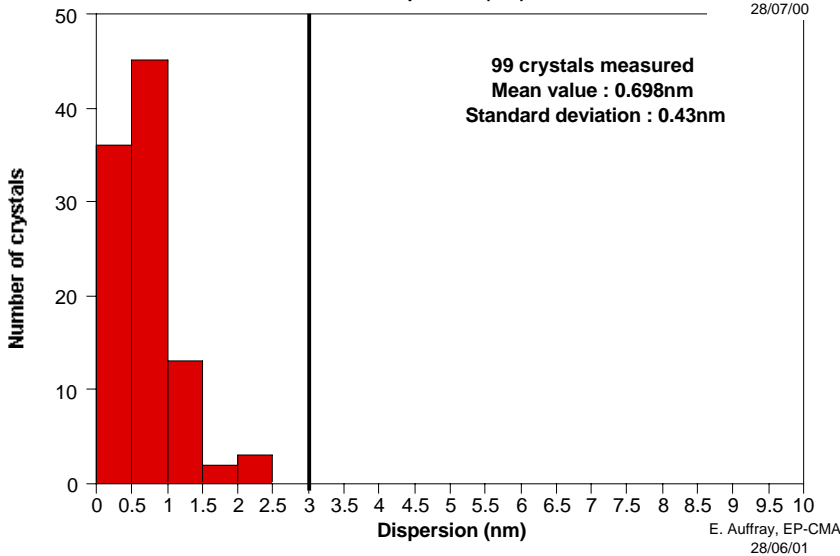
Batch P2
Barrel



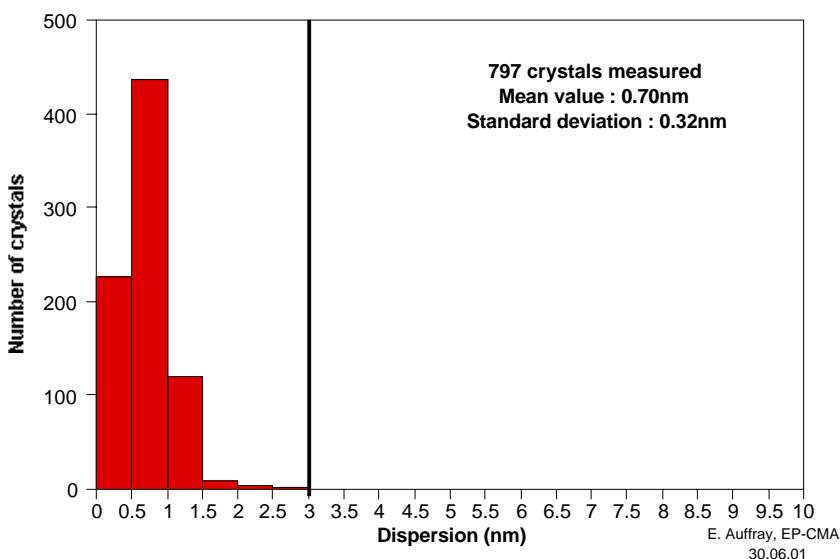
Dispersion of Transversal Transmission



100 Endcaps
2000



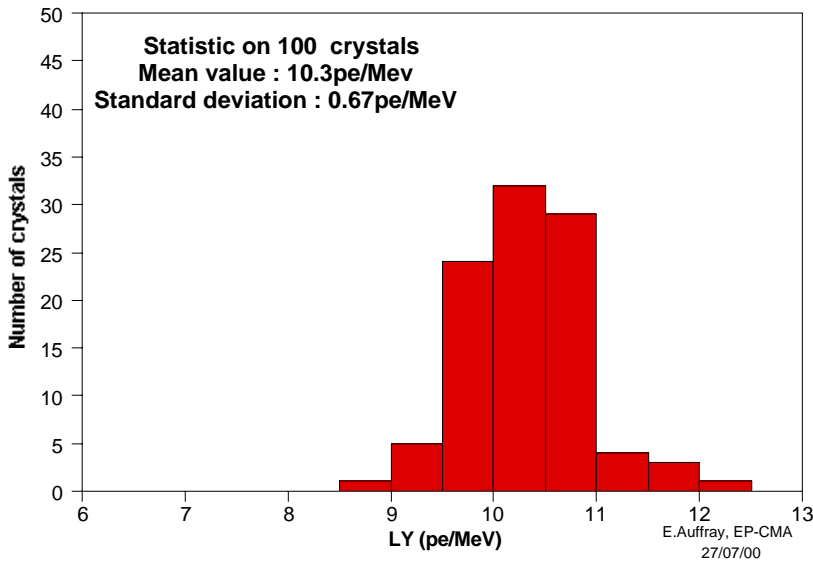
100 Endcaps
2001



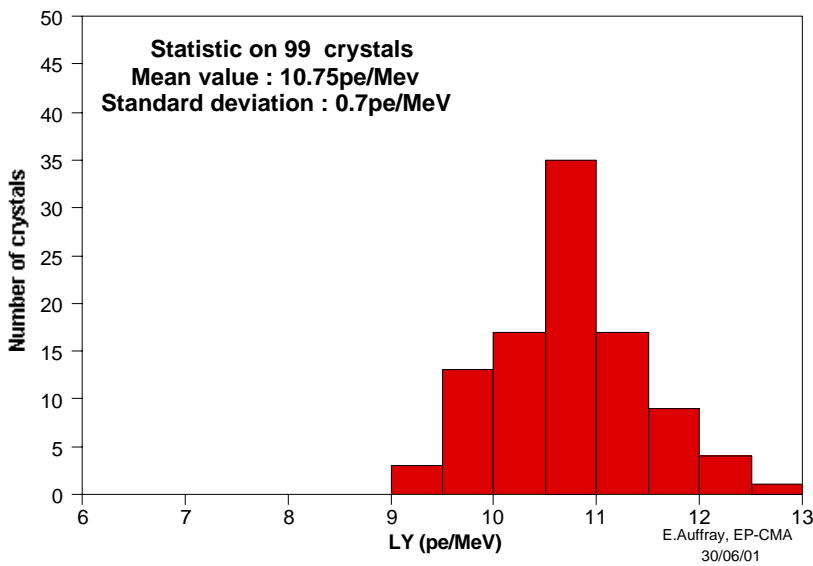
BatchP2
Barrel



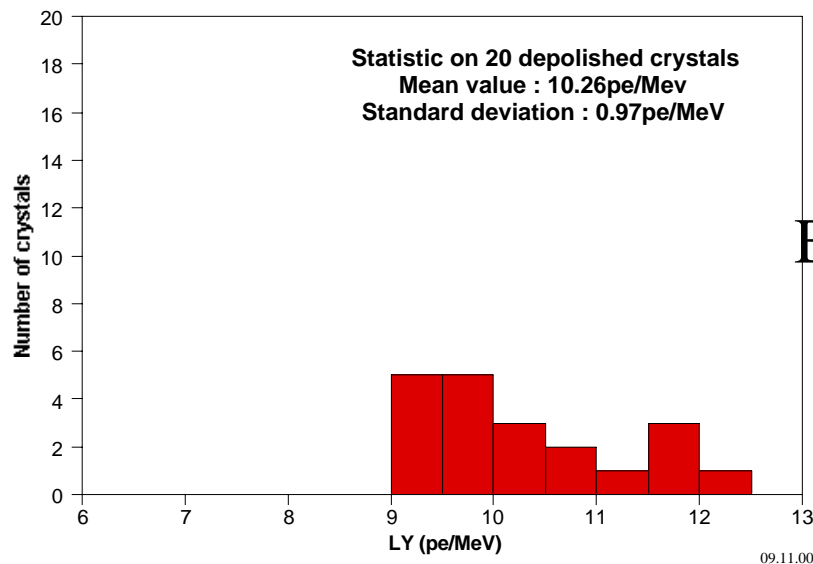
Light Yield



100 Endcaps
2000



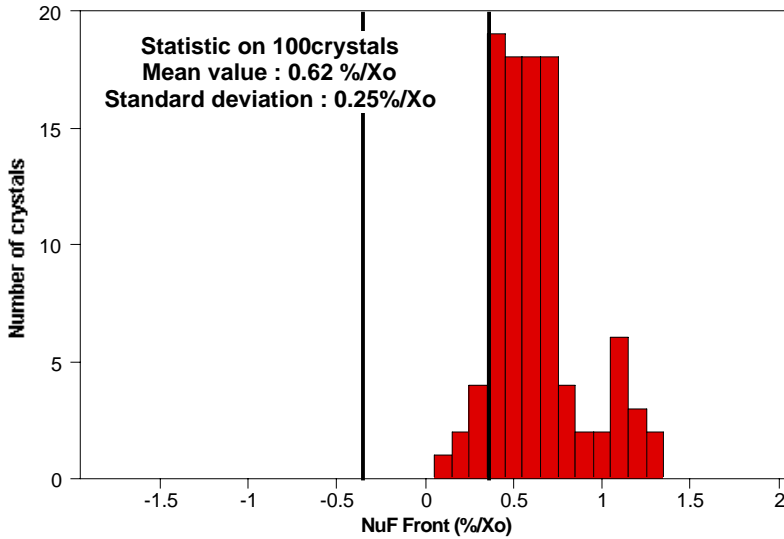
100 Endcaps
2001



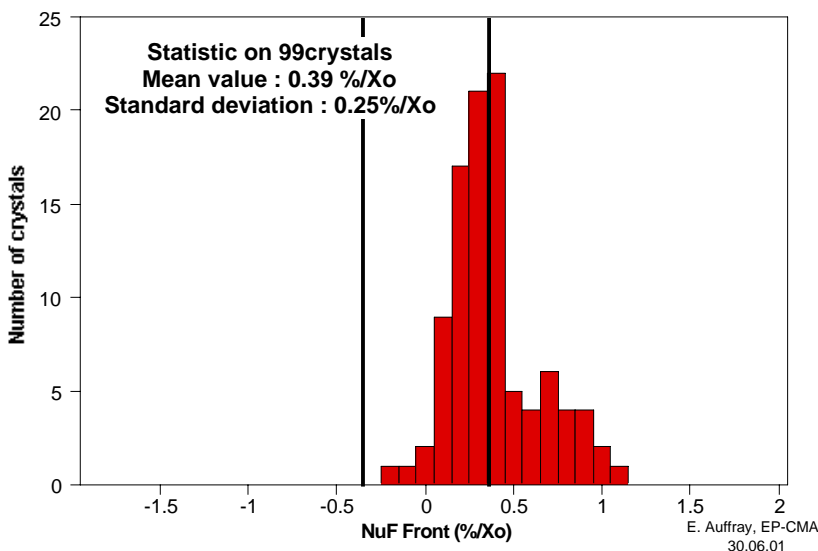
Barrel polished crystals
from Batch09



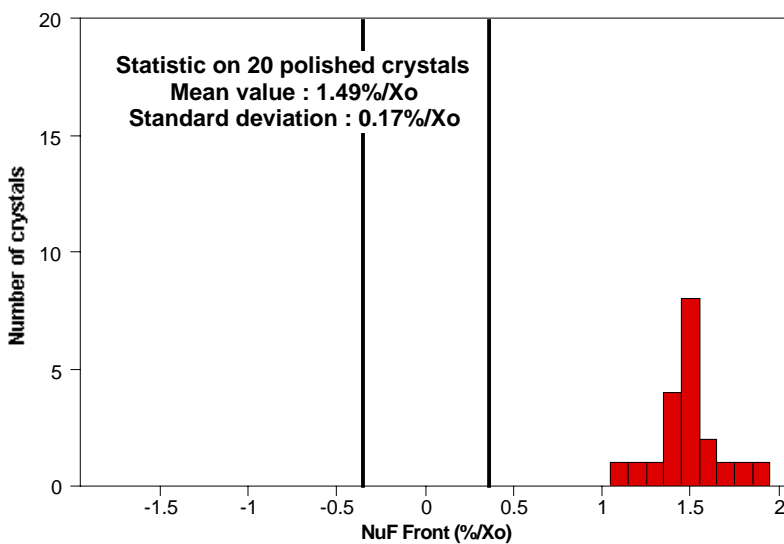
Light Yield Non uniformity FNUF



100 Endcaps
2000



100 Endcaps
2001



Barrel polished crystals
from Batch09