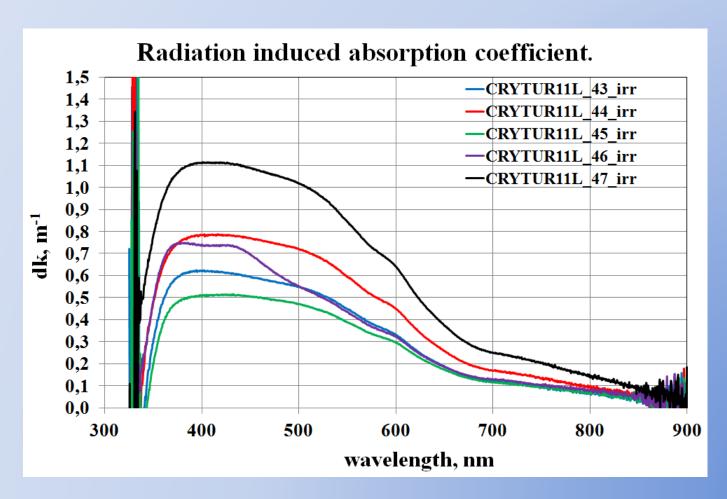
Progress report about PWO production at CRYTUR

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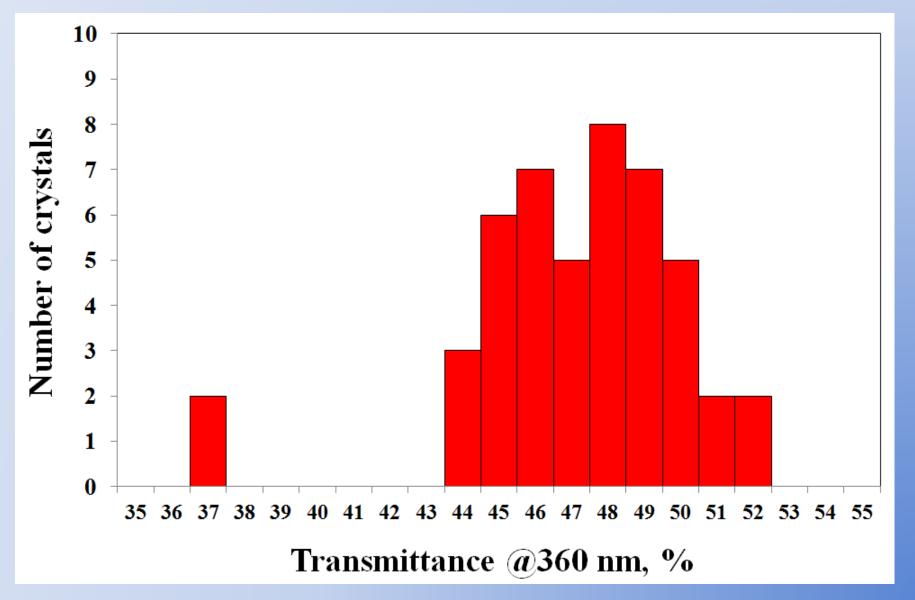
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- CRYTUR starts PWO production in summer 2014
- •June 2016: The production of crystals with geometry of PANDA EMC 11 Left was started
- •At present time 47 samples were produced and tested in frame of Uppsala contract



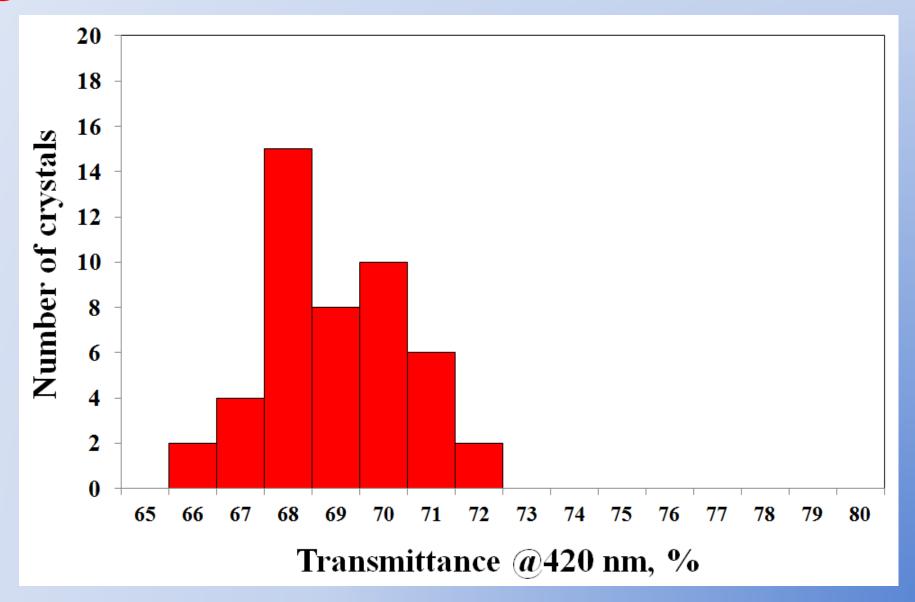
Test results: Distribution of the transmittance

@ 360 nm



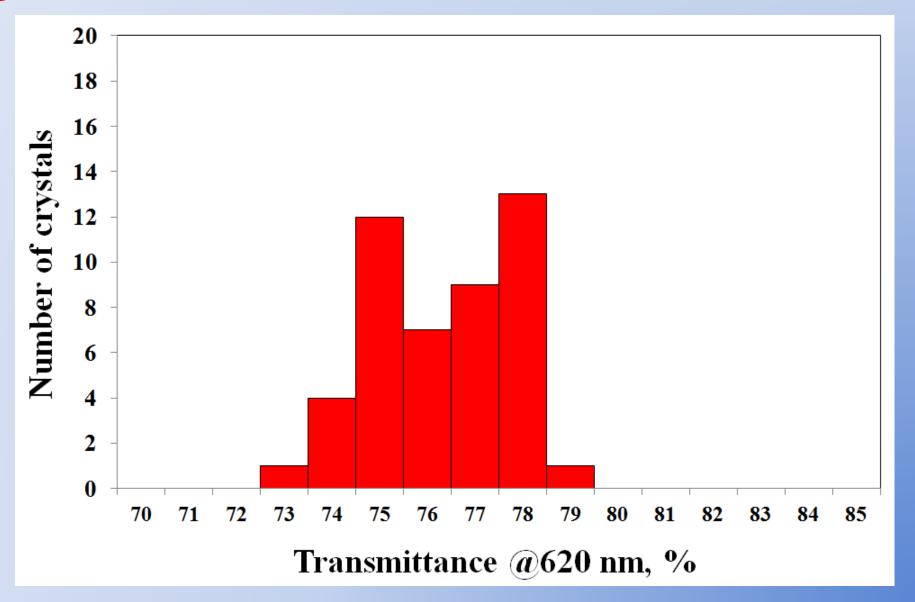
Test results: Distribution of the transmittance

@ 420 nm

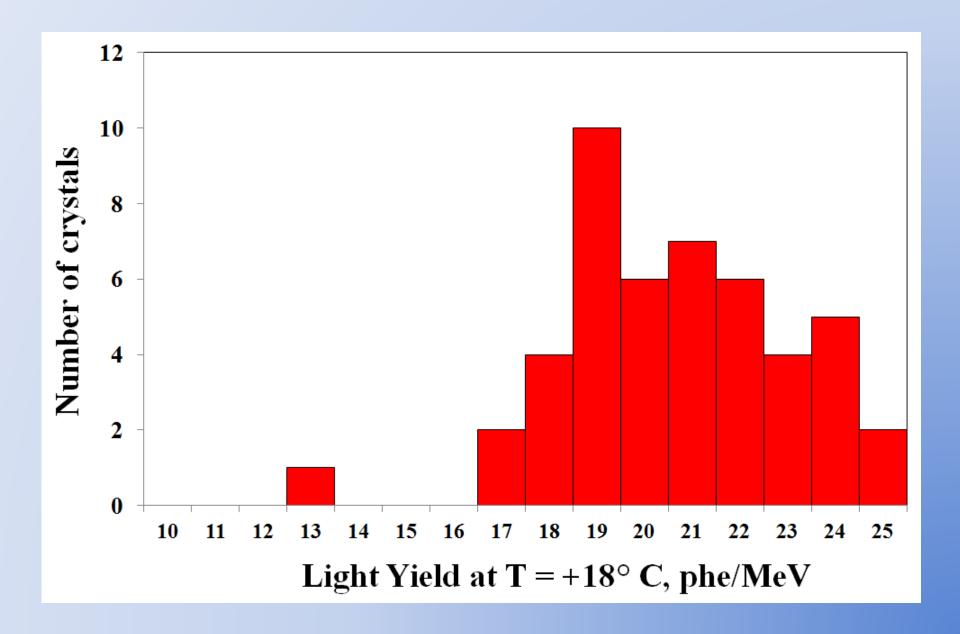


Test results: Distribution of the transmittance

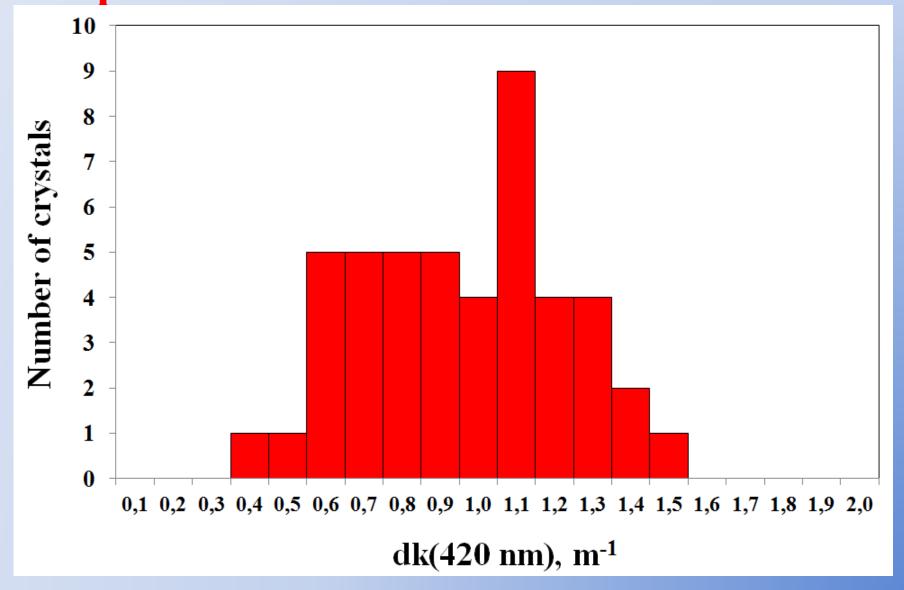
@ 620 nm



Test results: Distribution of the Light Yield



Test results: Distribution of radiation induced absorption coefficient



Summary

- Growing technology based on Czochralski method was optimized to produce full size PWO crystals according to PANDA EMC specification
- 47 crystals with PANDA EMC geometry (11 Left) were produced and tested
- 9 crystals were rejected due to dk(420 nm) values. All other parameters satisfied to PANDA specification