

# Novel coercive field engineering technique for improved periodic poling of KTiOPO<sub>4</sub> isomorphs

*Thursday, 1 September 2022 12:00 (2 hours)*

We demonstrate high quality, short period QPM structures in KTP and RKTP, produced through coercive field engineering using a new ion exchange based on Ba<sup>2+</sup> ion indiffusion. We show advantages of using this method over the previously established coercive field engineering method using Rb<sup>+</sup> ions.

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