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## ACCEPTED MANUSCRIPT

## Large electro-optic response of bulk ferroelectric crystals enhanced by piezoelectric resonance in the high frequency range

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#### Graphical Abstract:

#### **Highlights:**

• The EO effect of ferroelectric Li-doped niobium-rich potassium tantalate niobate (K<sub>0.95</sub>Li<sub>0.05</sub>Ta<sub>1-x</sub>Nb<sub>x</sub>O<sub>3</sub>; KLTN) single crystals were determined using improved dynamic EO measurement carried out via a continuous frequency scan over the

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