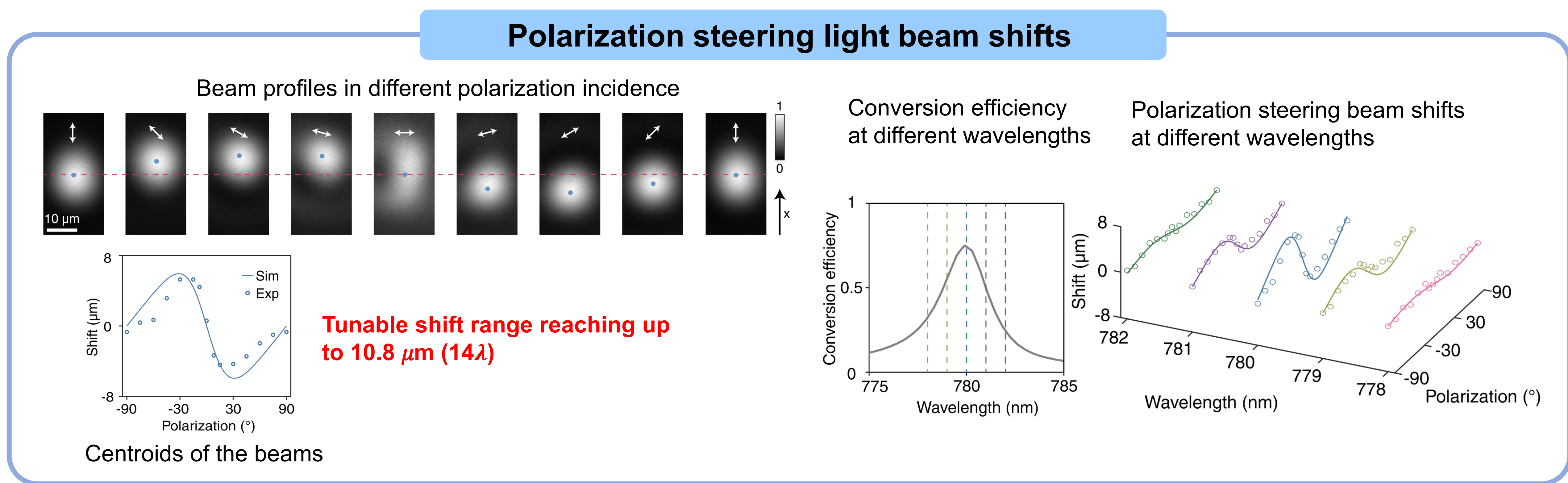
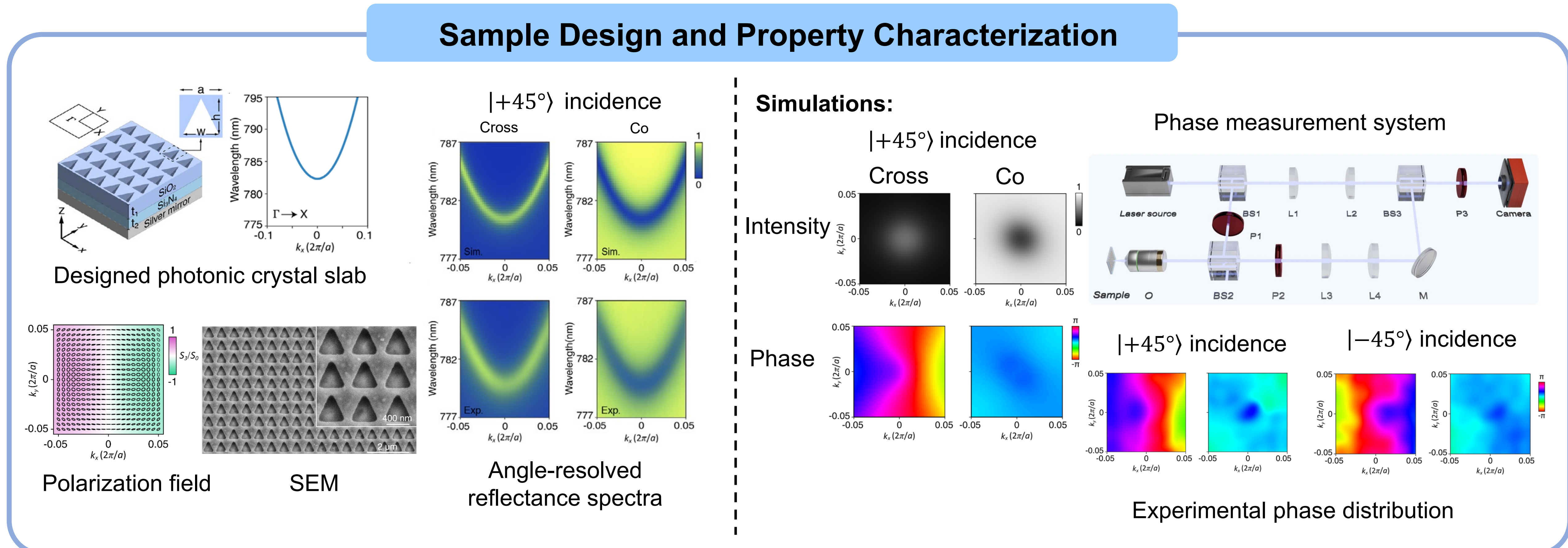
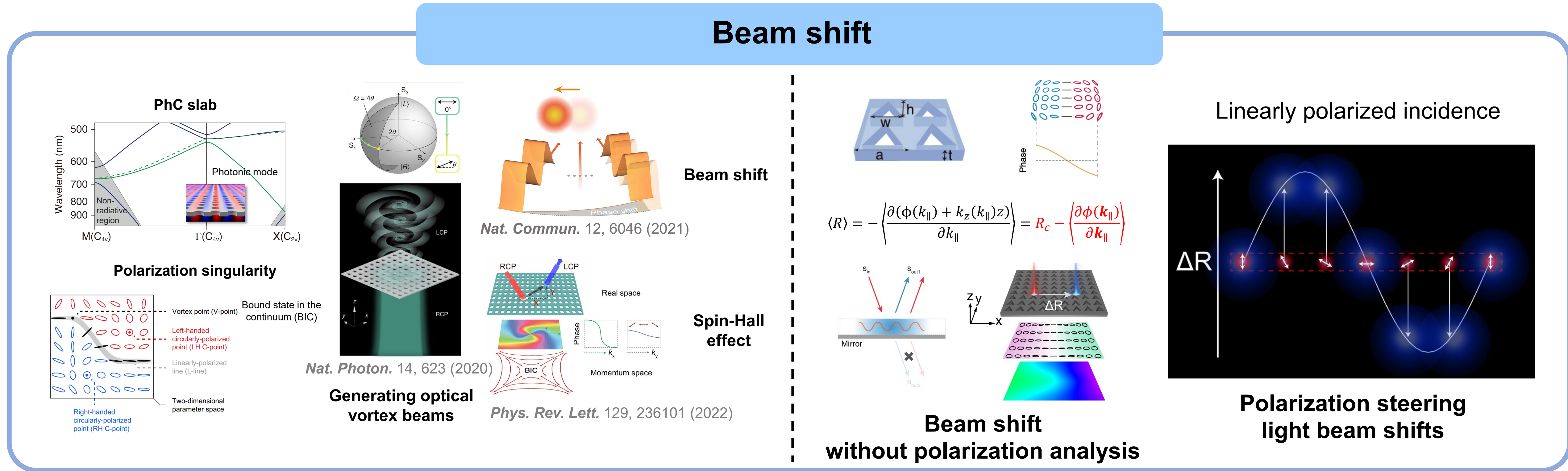


Polarization Steering Light Beam Shifts via a High-Efficiency Photonic Crystal Slab

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Conclusion

- Achieved directly observable beam shifts without polarization filtering.
- Demonstrated a high-efficiency method for steering light beam shifts using a reflective PhC slab.

Reference

- Laser Photonics Rev.* **e00913** (2025)
- Nat. Commun.* **12**, 6046 (2021)
- Phys. Rev. Lett.* **129**, 236101 (2022)
- Nat. Photonics* **9**, 796 (2015)