

17. Convergent-Beam Diffraction**Problems**

17.1. PbSe has the NaCl (rocksalt) structure, having cubic lattice parameter $a = 0.58 \text{ nm}$. A CBED pattern is acquired along the $[311]$ zone axis, using a 200-KeV electron beam, and a semi-angle of convergence $\alpha = 4.8 \text{ mrad}$. Is this a Kossel-Mollenstadt pattern, or a Kossel pattern? Explain.
