EOS Comparison for Ba-XO Reference 0.040 Pre-refinement Refined 0.035 $E_0 = 0.030$ [eA/ $\frac{1}{2}$] 0.025 0.020 0.0150.010 0.00541 42 43 44 45 $V \, [\text{Å}^3/\text{atom}]$