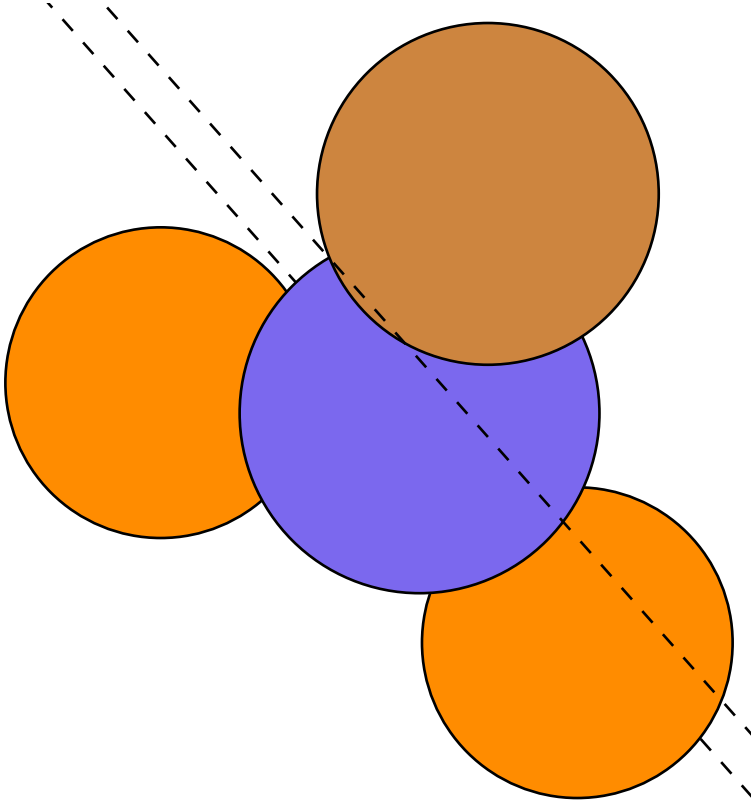
$CrCuSe_2$: AI-Discovered Hetero-Metallic TMD



Property	Value
Chemical Formula	$CrCuSe_2$
Structure Type	2D Hetero-Metallic TMD
Space Group	P 1 (Triclinic)
Lattice Constants	a = 7.26 Å
	b = 9.40 Å
	c = 33.20 Å
Electronic Properties	
Bandgap	0.616 eV (indirect)
Band Character	Semiconductor
Stability	
Formation Energy	+1.23 eV/atom
Phonon Modes	0 imaginary (stable)
Validation	DFT-confirmed