

Supplementary material for

Electronic Structure of the A_8Tr_{11} ($A = K, Rb, Cs$; $Tr = Ga, In, Tl$)

**Zintl Phases: Possible Chemical Reasons Behind their Activated vs.
Non Activated Conductivity**

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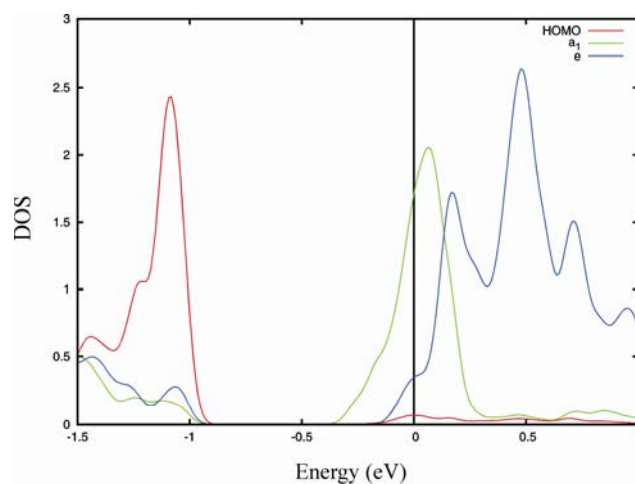


Figure S1. Local DOS associated with the HOMO, a_1 - and e-type orbitals of an isolated Tl_{11}^{7-} cluster in the DOS of $\text{Cs}_8\text{Tl}_{11}$ around the Fermi level.

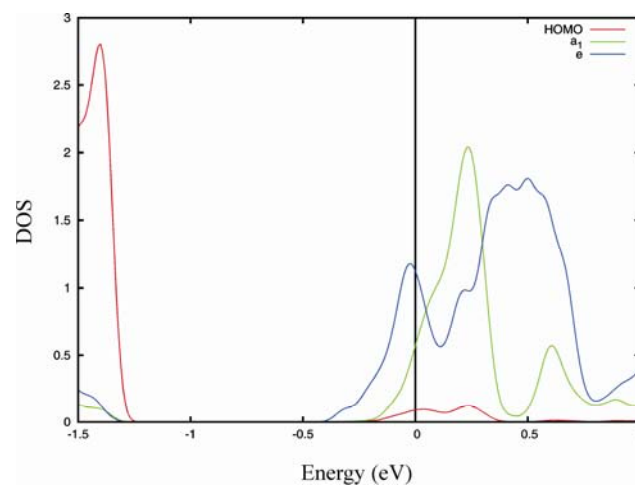


Figure S2. Local DOS associated with the HOMO, a_1 - and e-type orbitals of an isolated Ga_{11}^{7-} cluster in the DOS of $\text{Cs}_8\text{Ga}_{11}$ around the Fermi level.