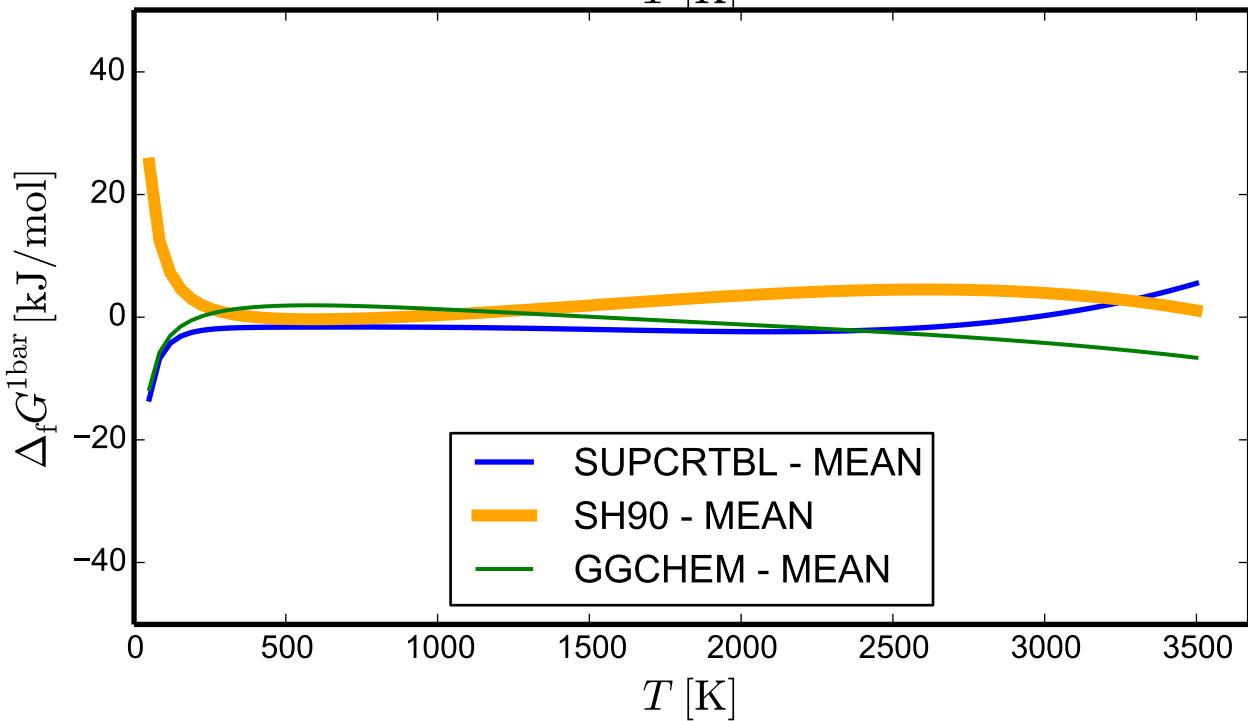
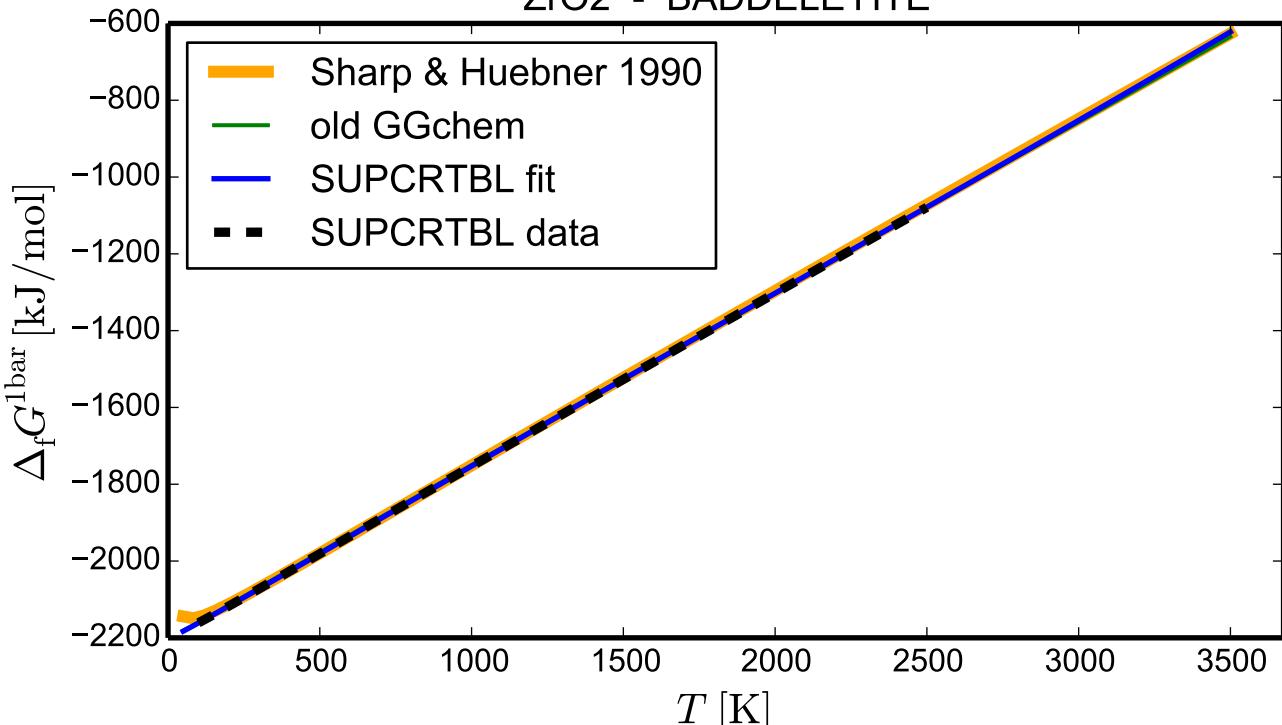
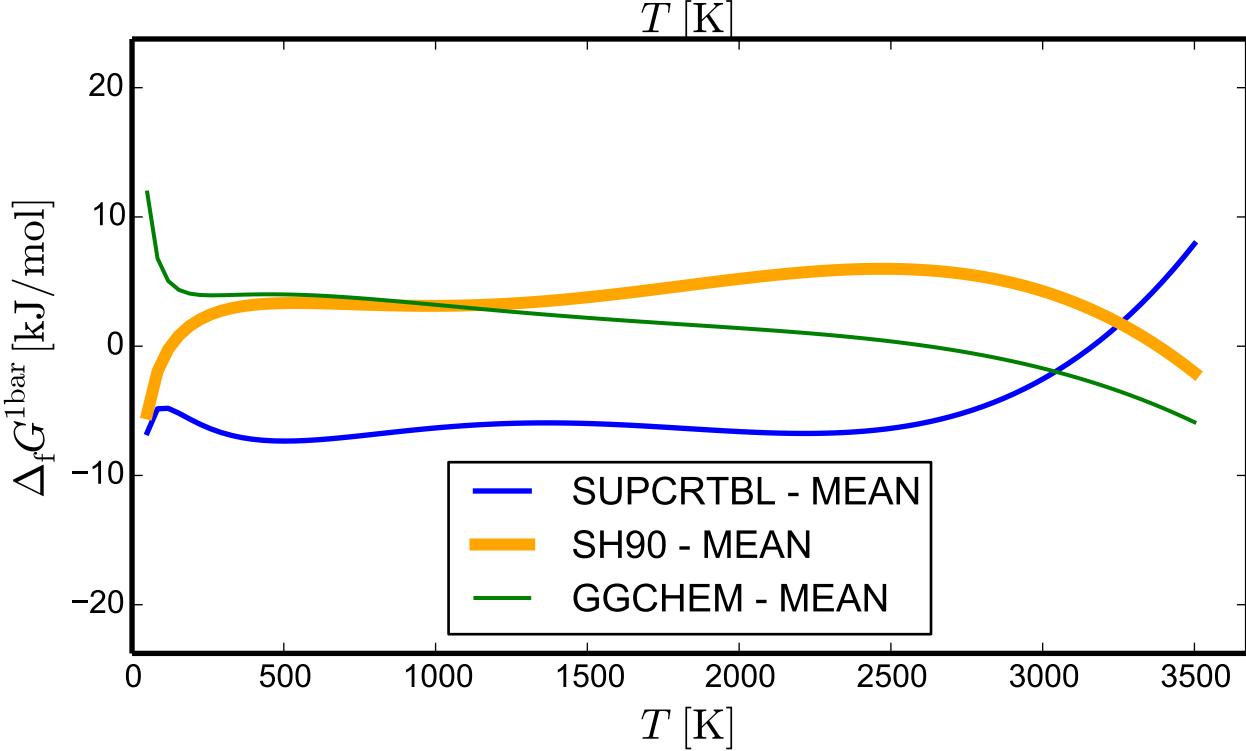
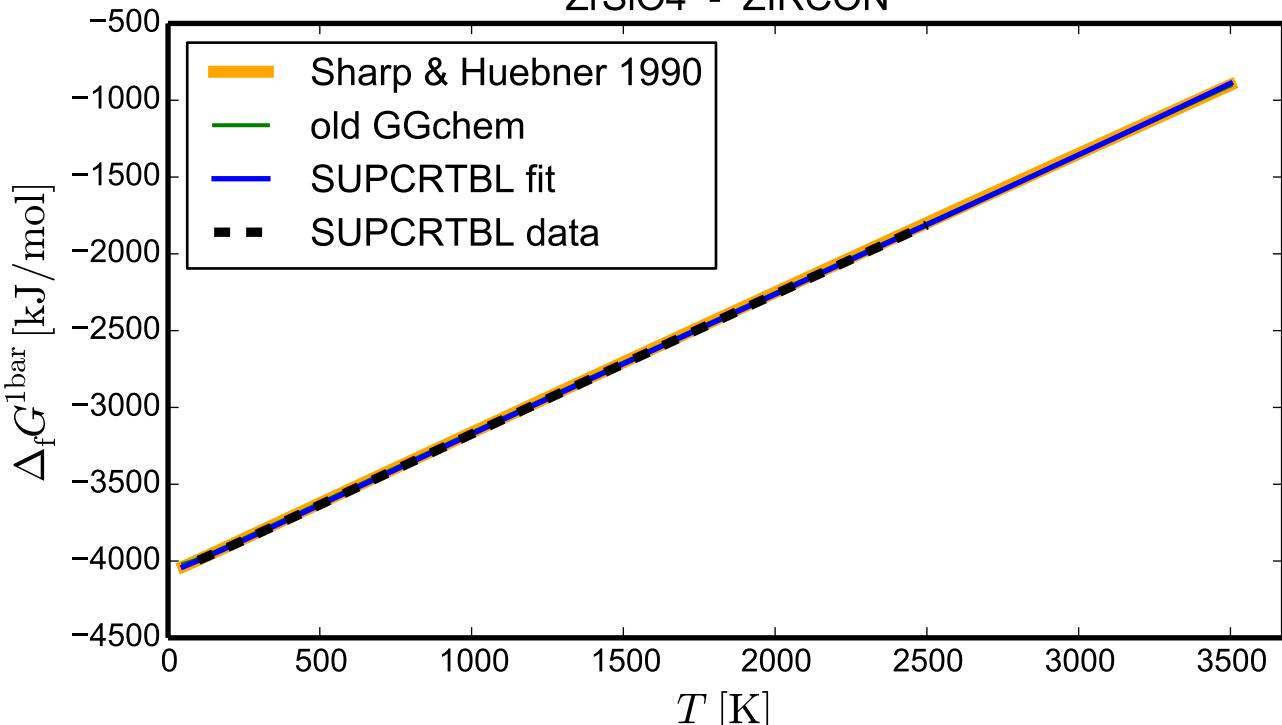


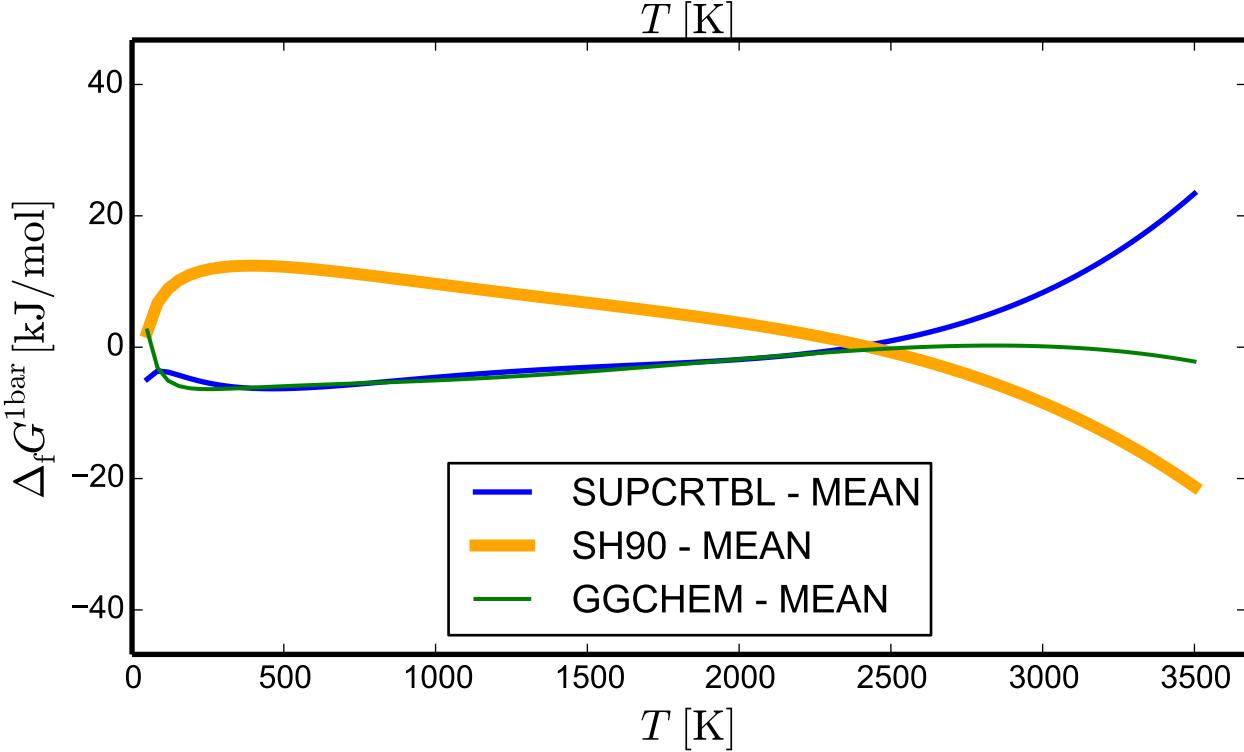
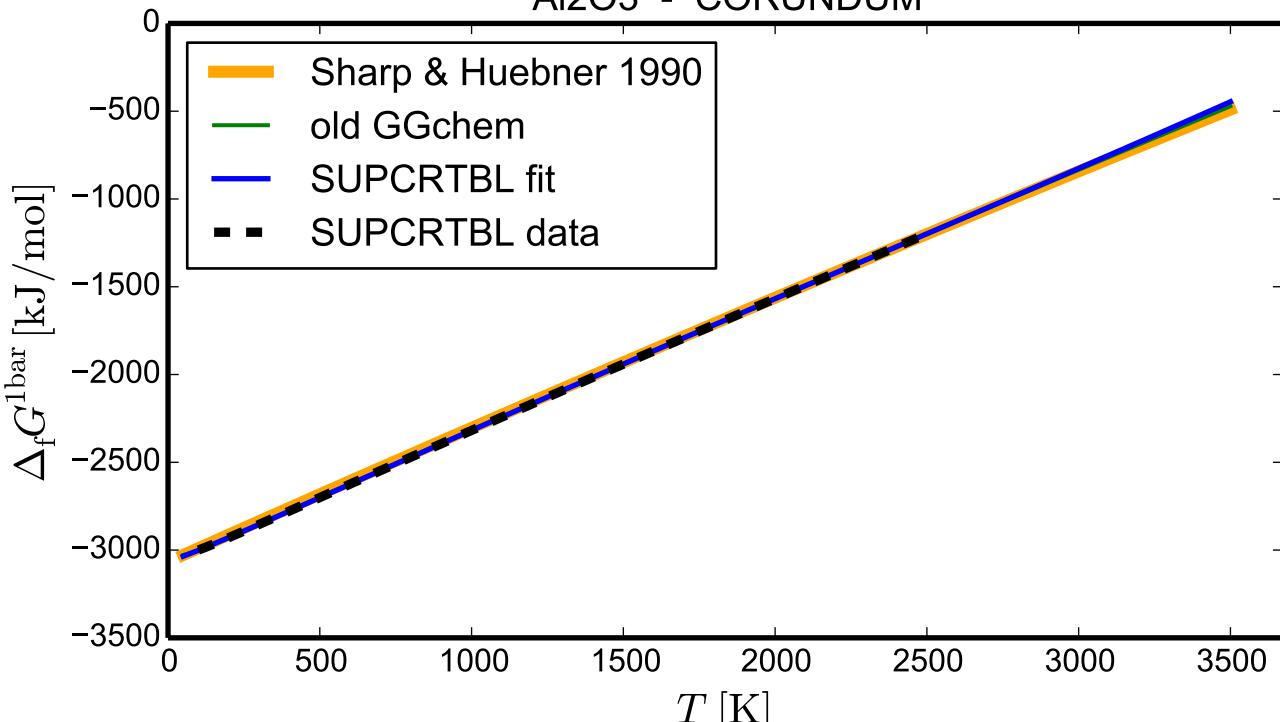
# ZrO<sub>2</sub> - BADDELEYITE



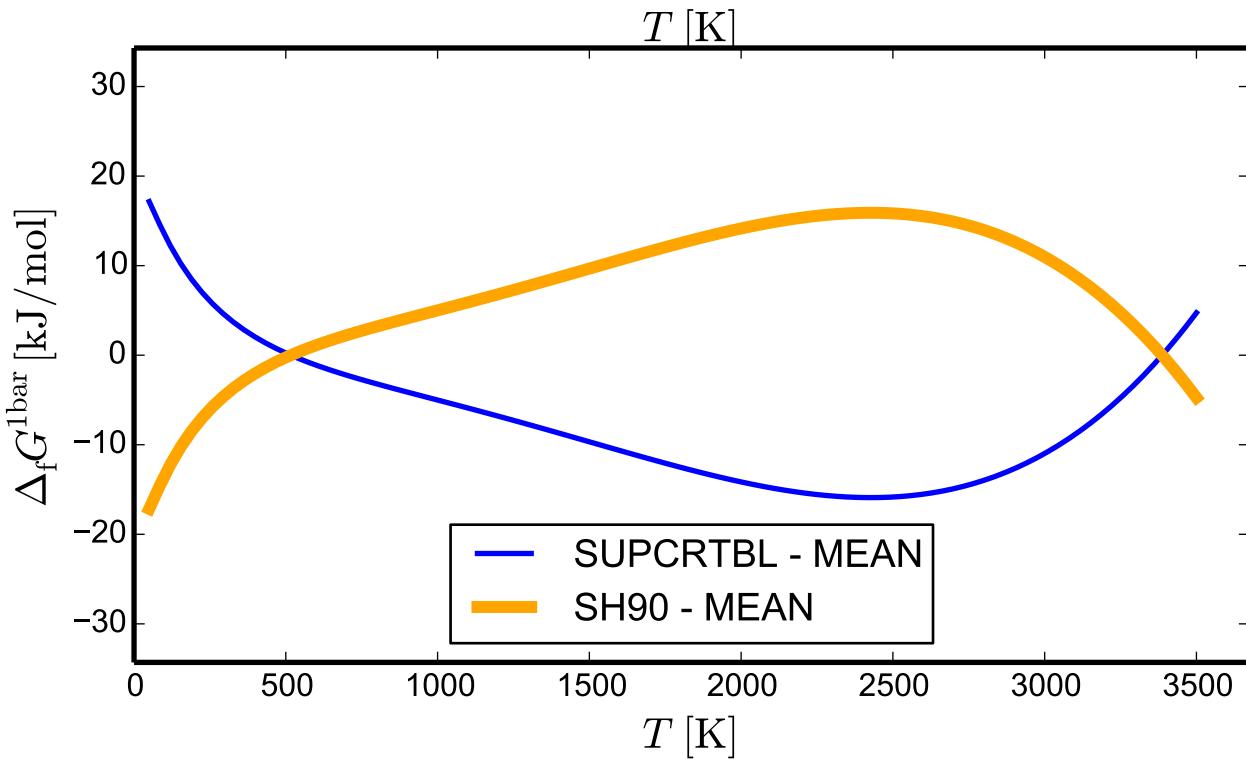
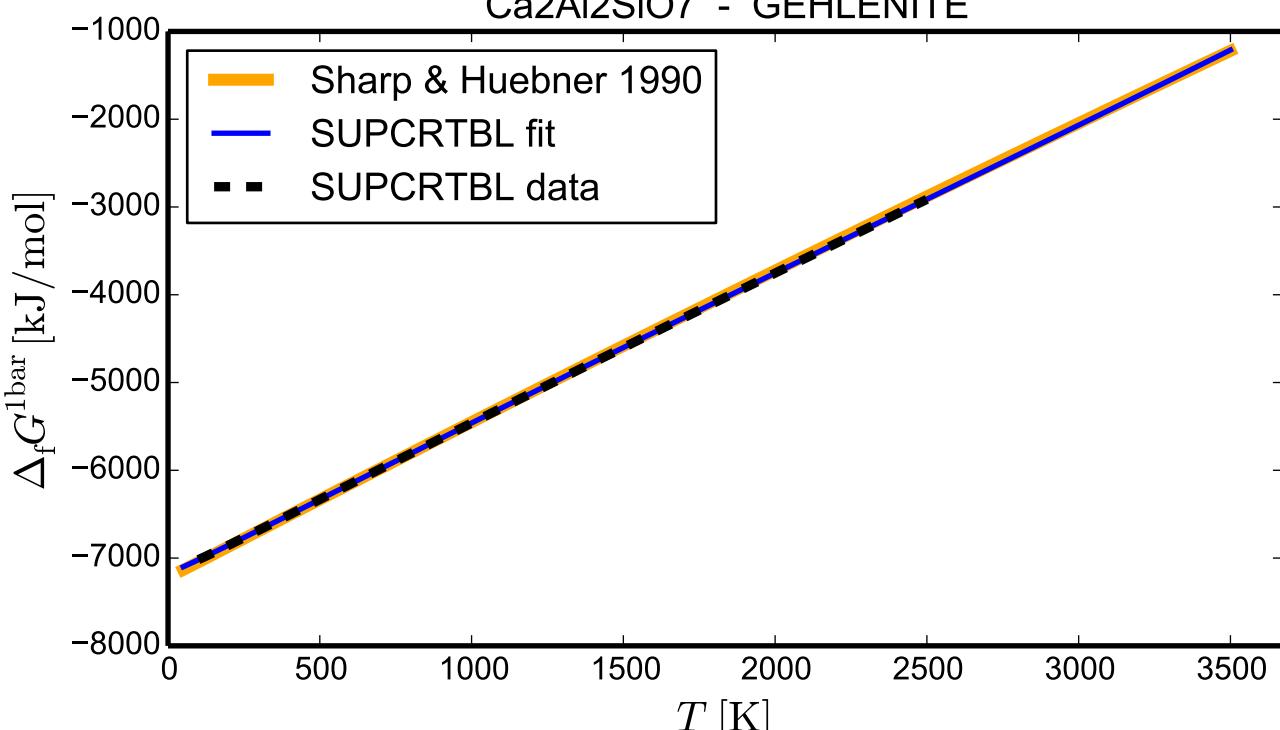
# ZrSiO<sub>4</sub> - ZIRCON



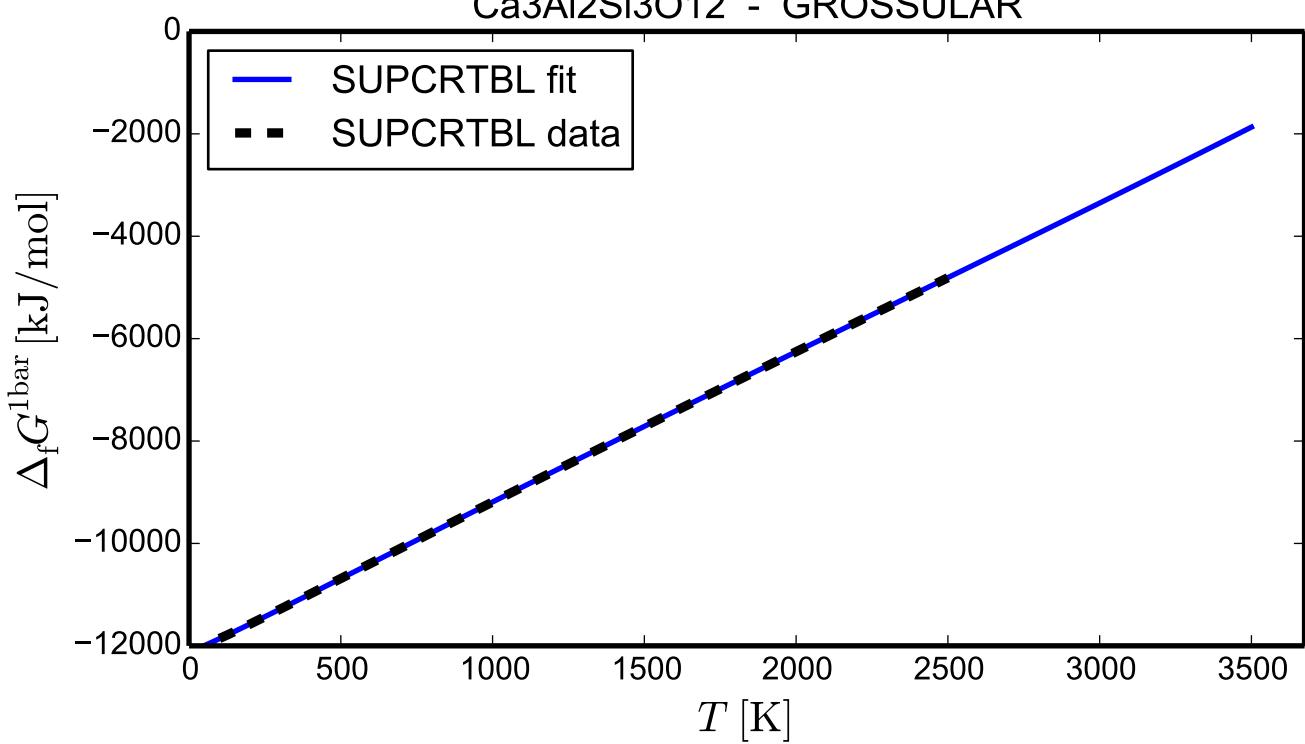
# Al<sub>2</sub>O<sub>3</sub> - CORUNDUM



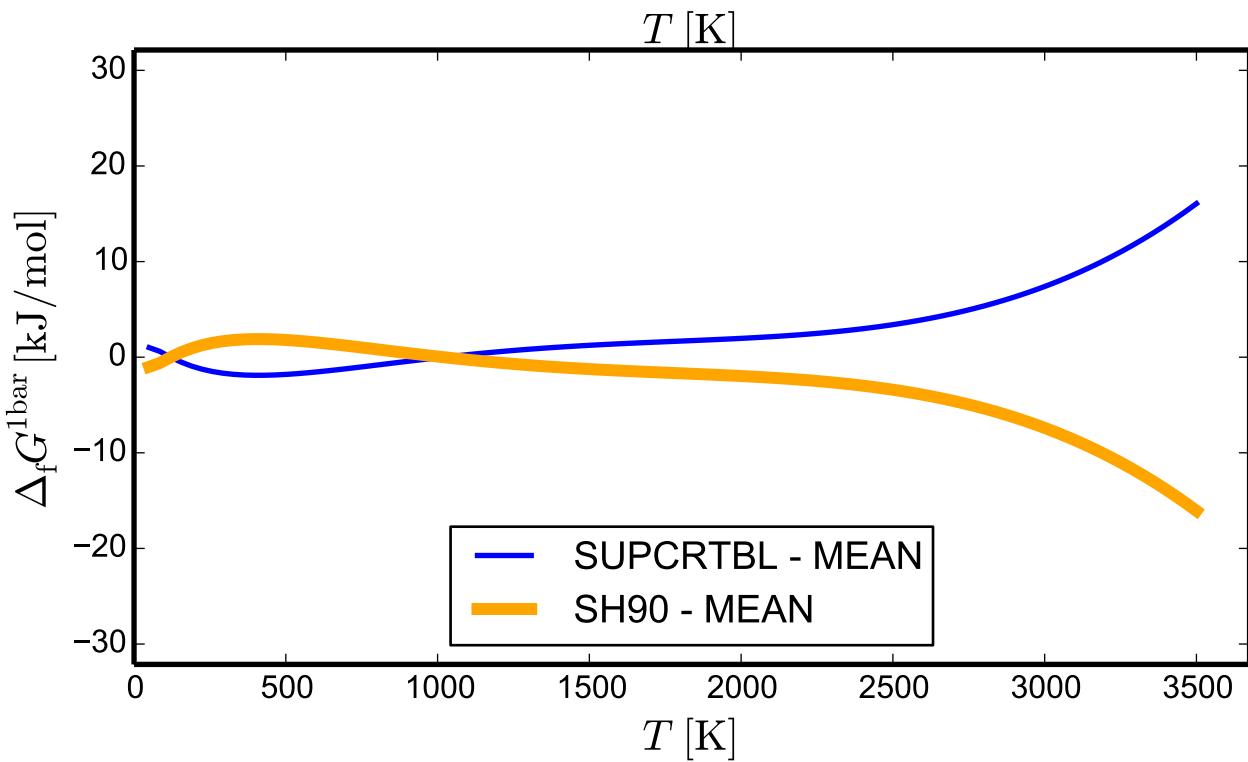
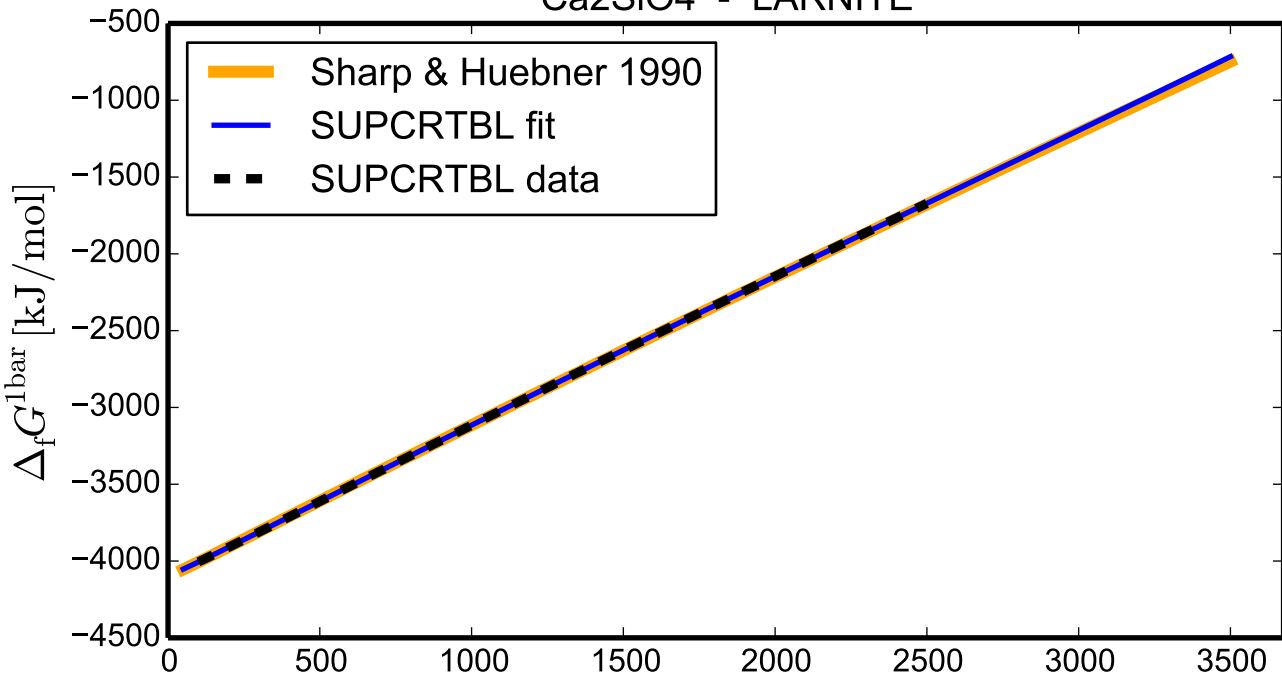
# Ca<sub>2</sub>Al<sub>2</sub>SiO<sub>7</sub> - GEHENITE



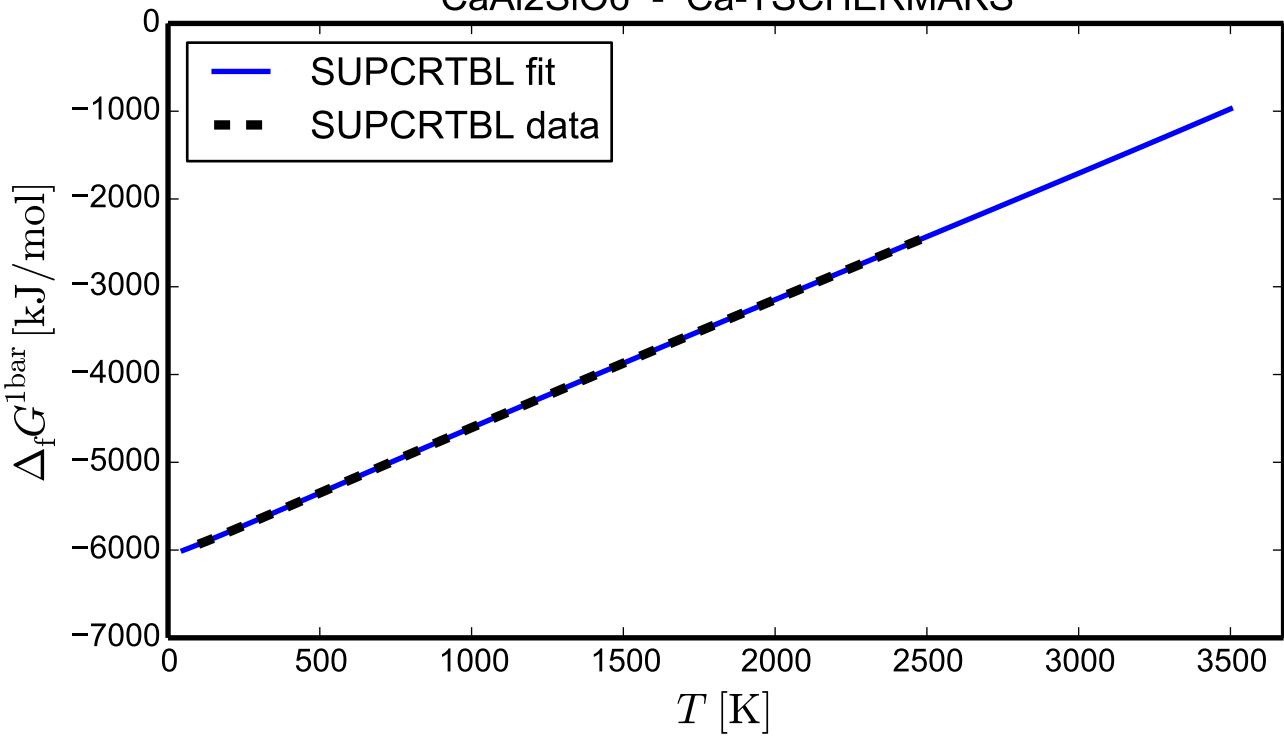
# Ca<sub>3</sub>Al<sub>2</sub>Si<sub>3</sub>O<sub>12</sub> - GROSSULAR



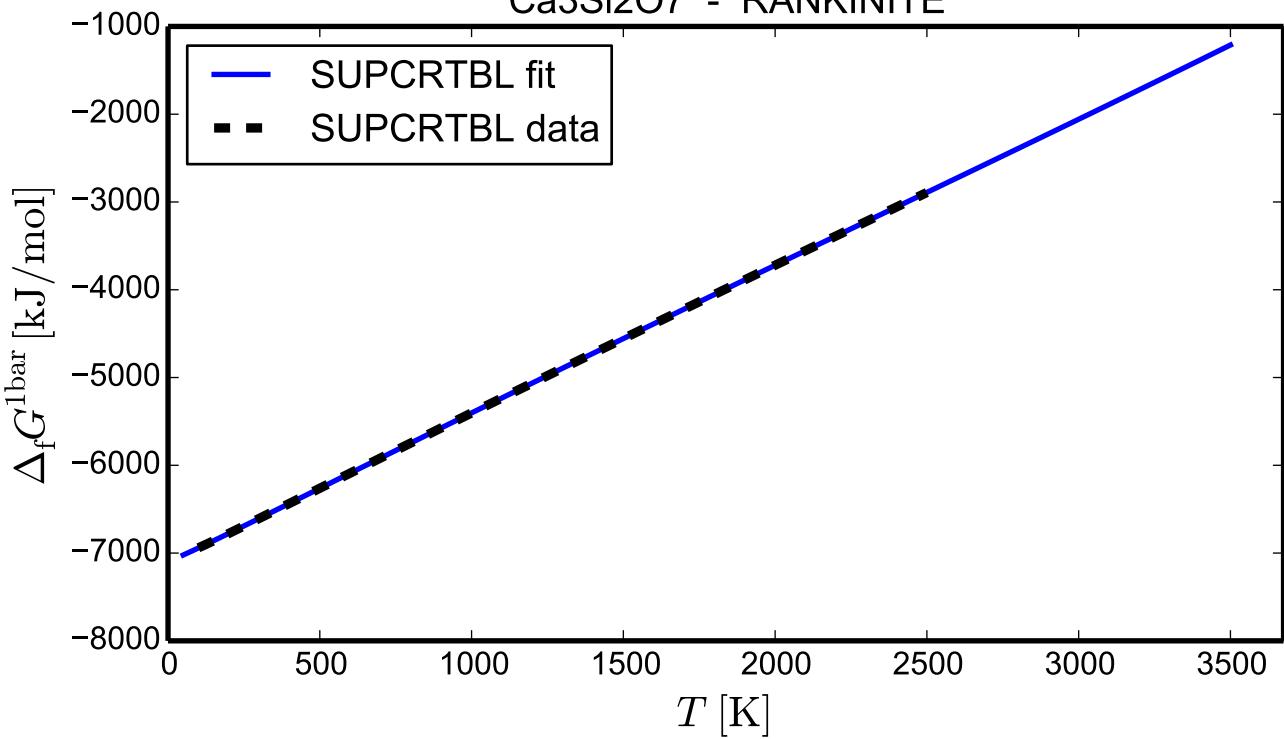
# Ca<sub>2</sub>SiO<sub>4</sub> - LARNITE



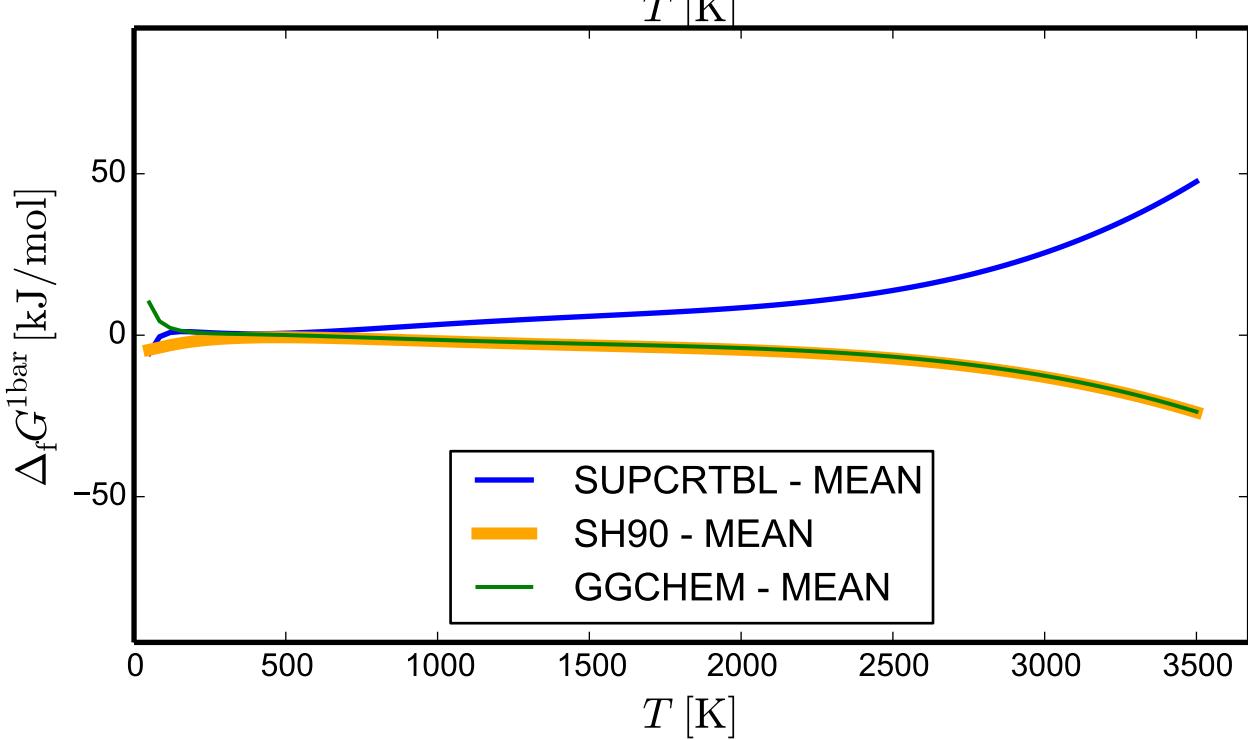
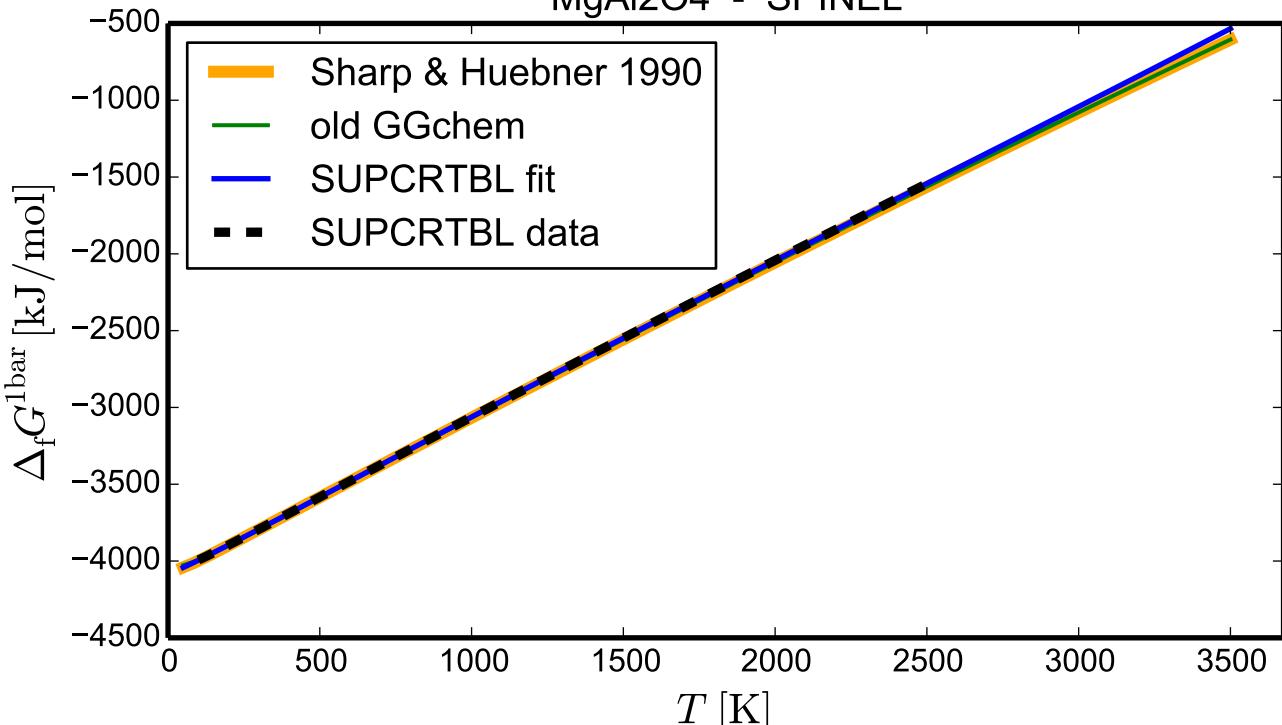
# CaAl<sub>2</sub>SiO<sub>6</sub> - Ca-TSCHERMAKS



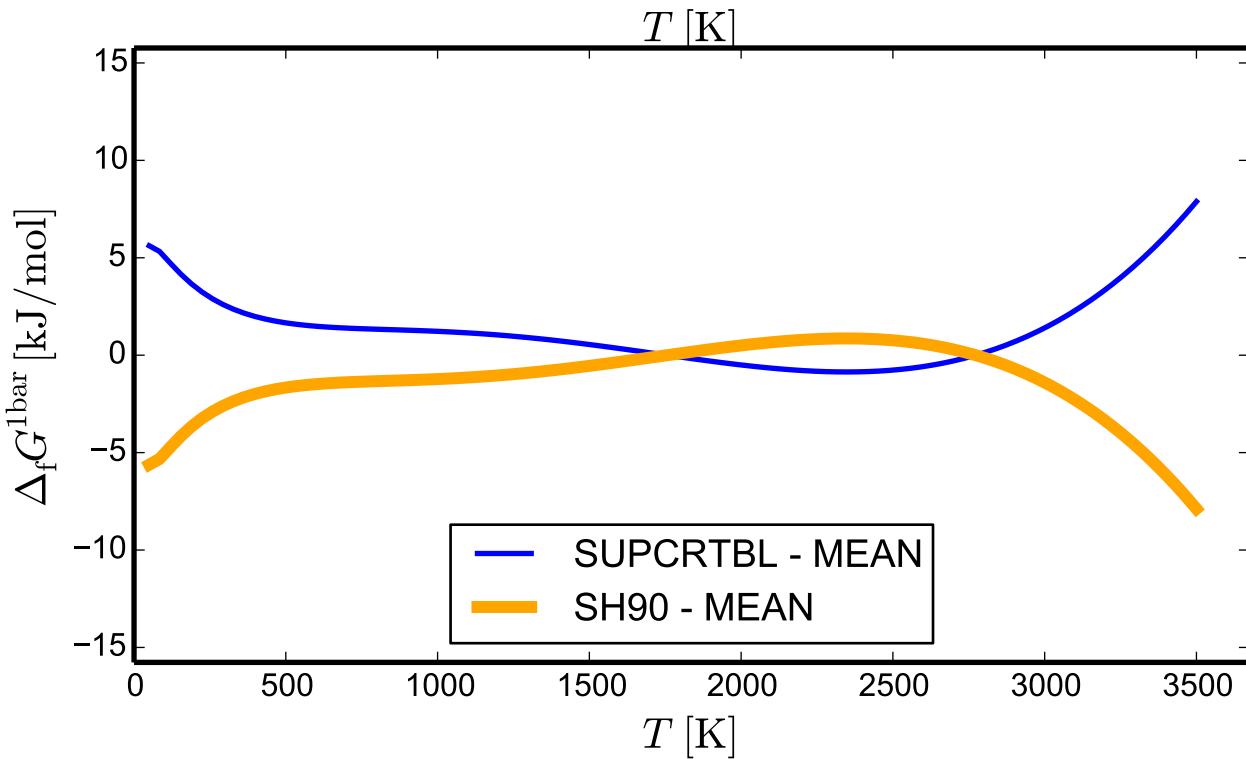
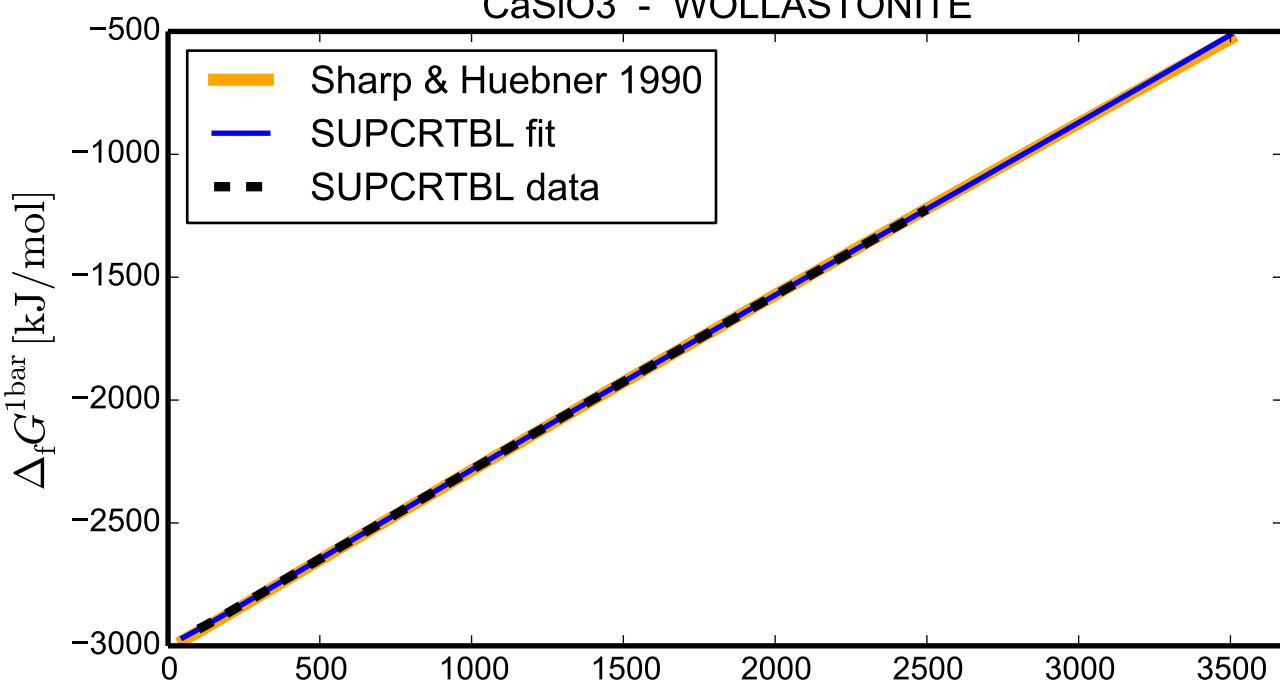
# Ca<sub>3</sub>Si<sub>2</sub>O<sub>7</sub> - RANKINITE



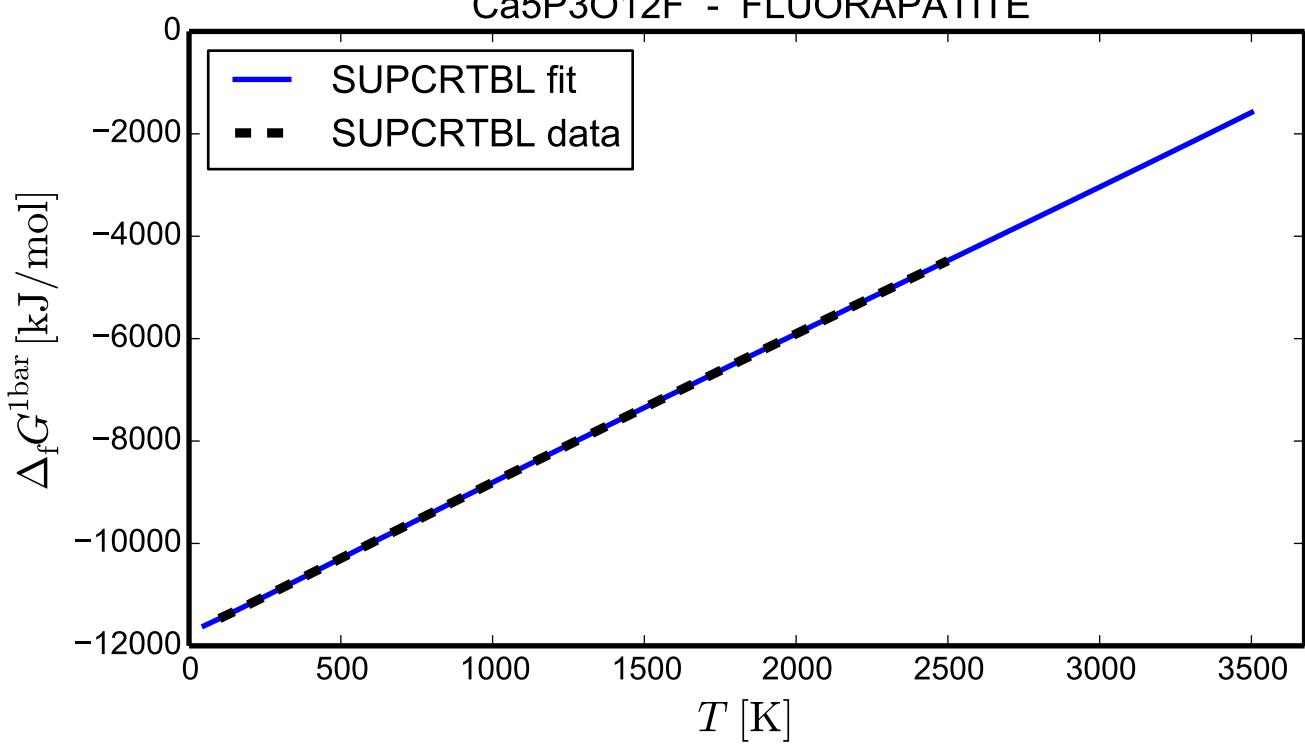
# MgAl<sub>2</sub>O<sub>4</sub> - SPINEL



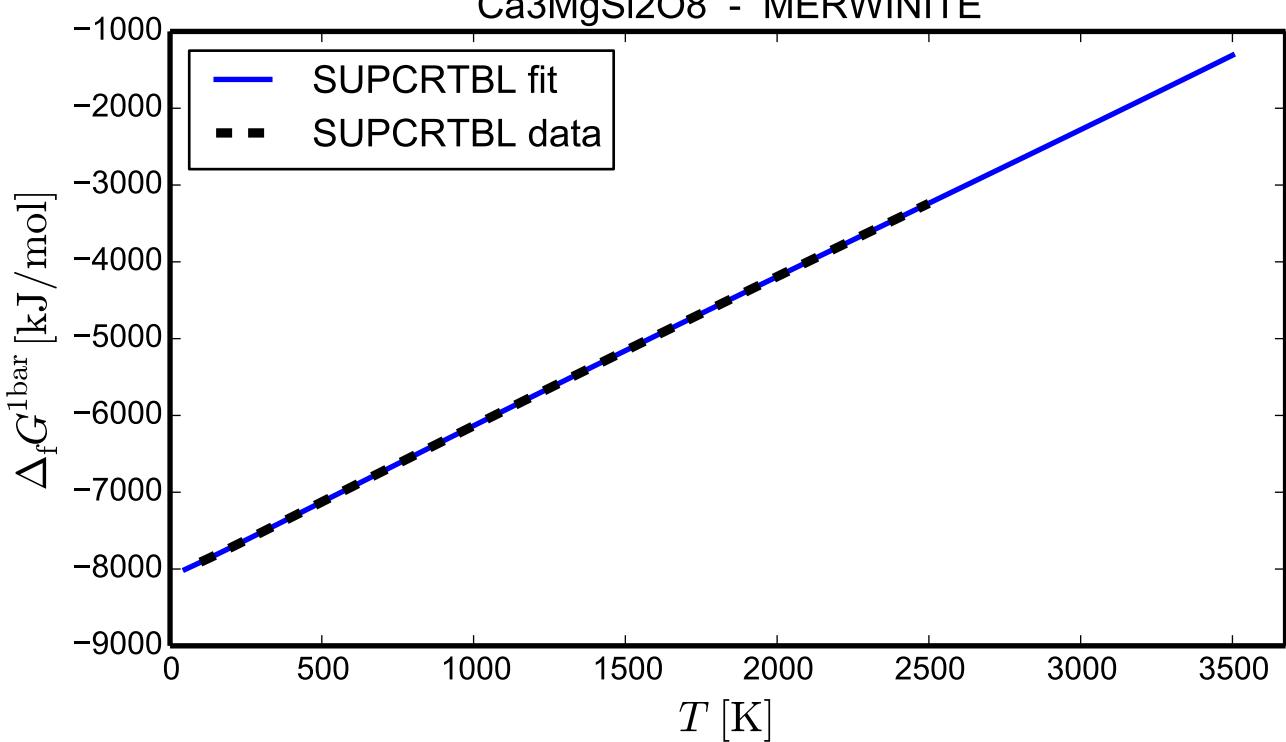
# CaSiO<sub>3</sub> - WOLLASTONITE



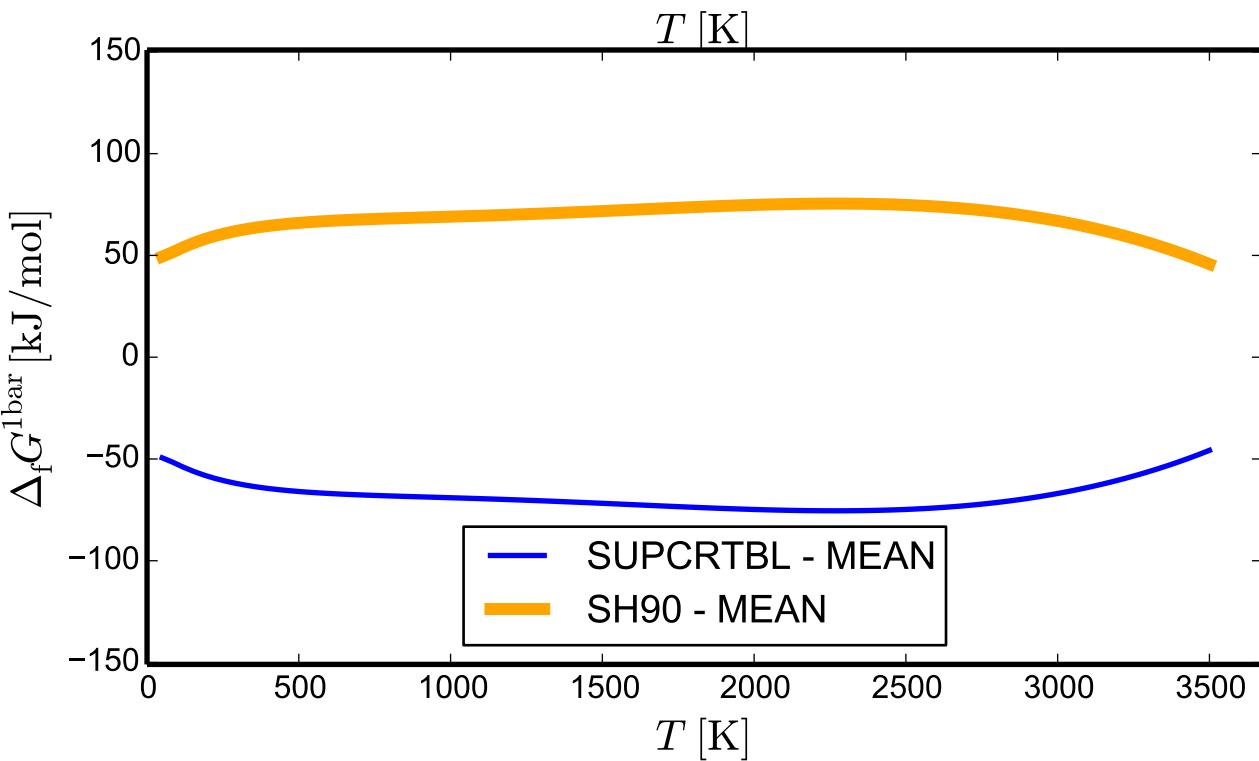
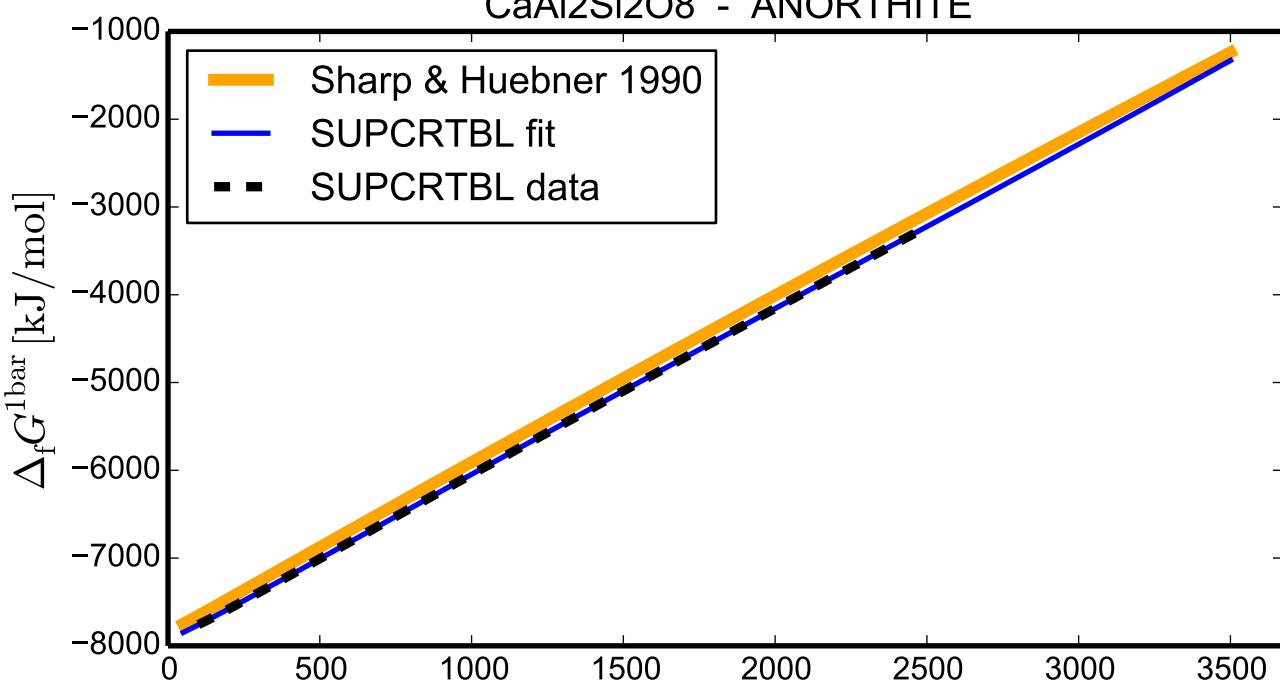
# Ca<sub>5</sub>P<sub>3</sub>O<sub>12</sub>F - FLUORAPATITE



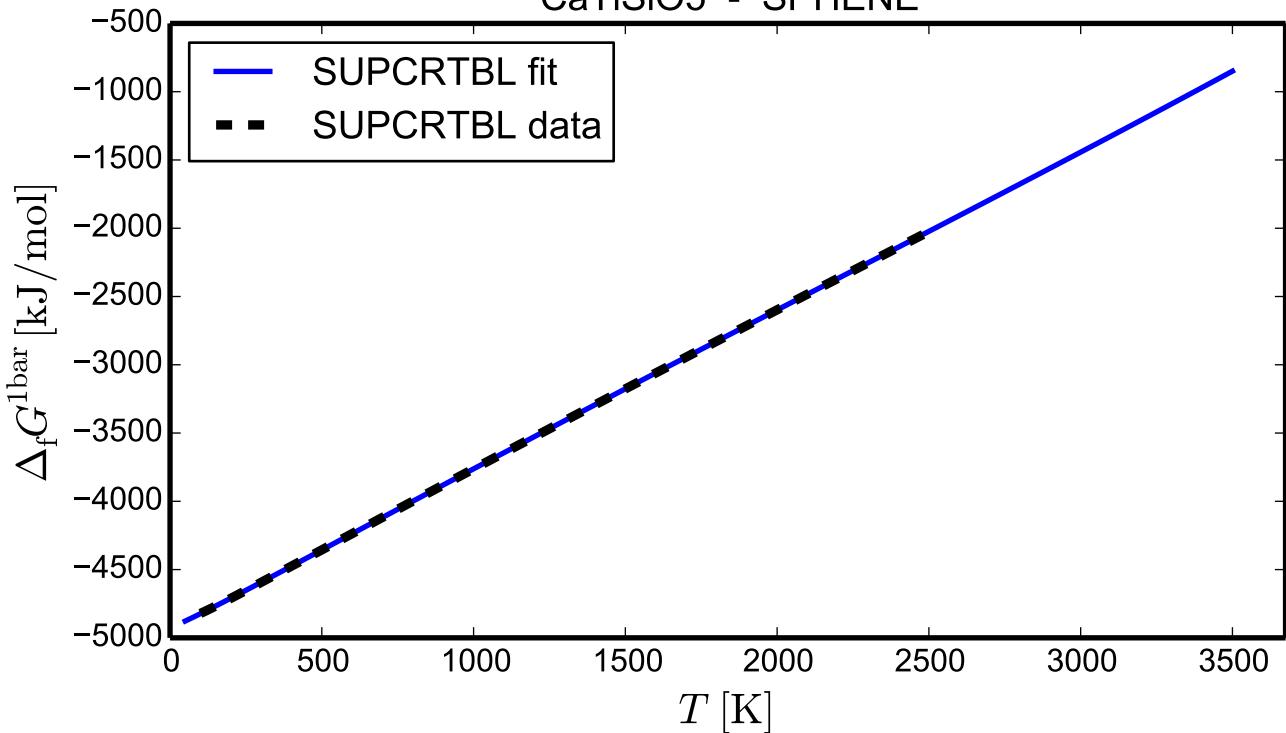
# Ca<sub>3</sub>MgSi<sub>2</sub>O<sub>8</sub> - MERWINITE



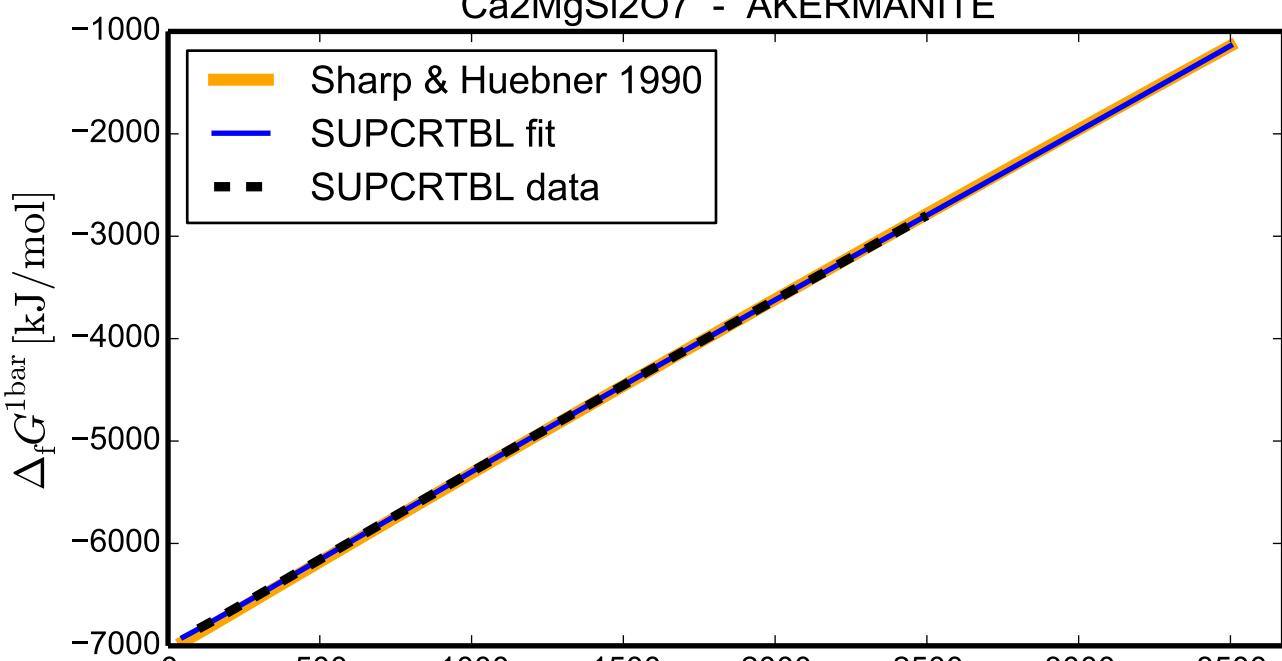
# CaAl<sub>2</sub>Si<sub>2</sub>O<sub>8</sub> - ANORTHITE



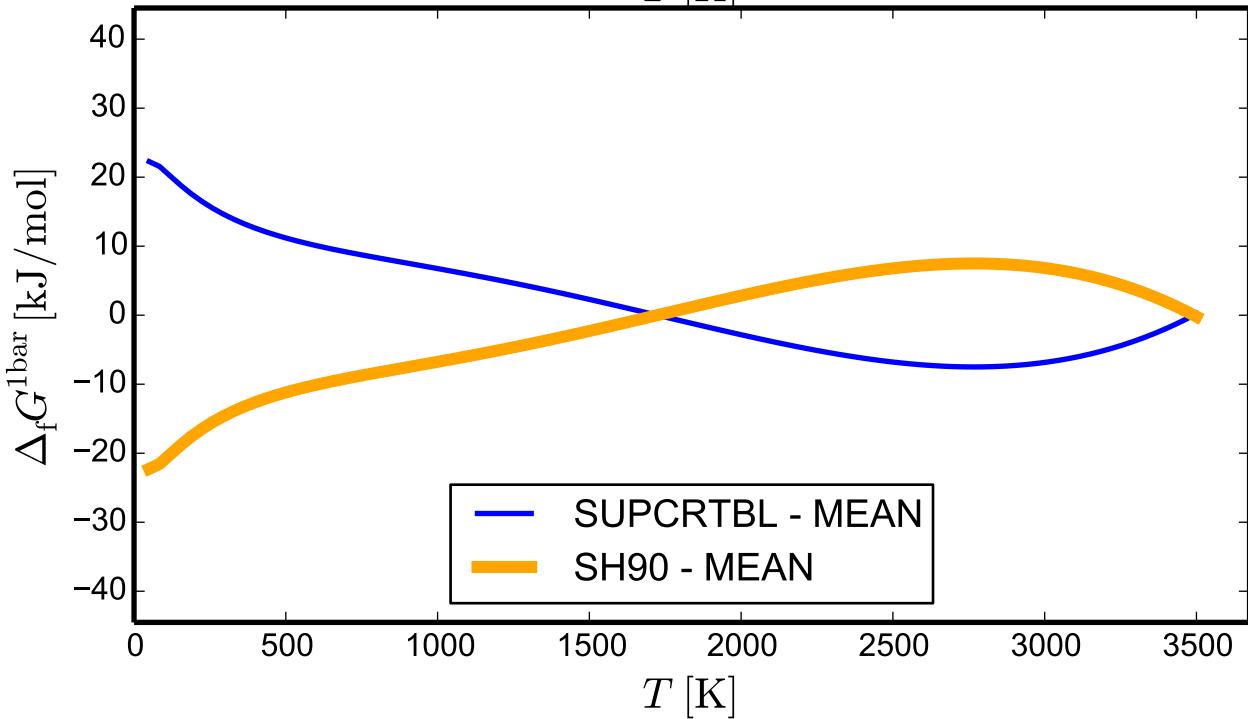
# CaTiSiO<sub>5</sub> - SPHENE



# Ca<sub>2</sub>MgSi<sub>2</sub>O<sub>7</sub> - AKERMANITE



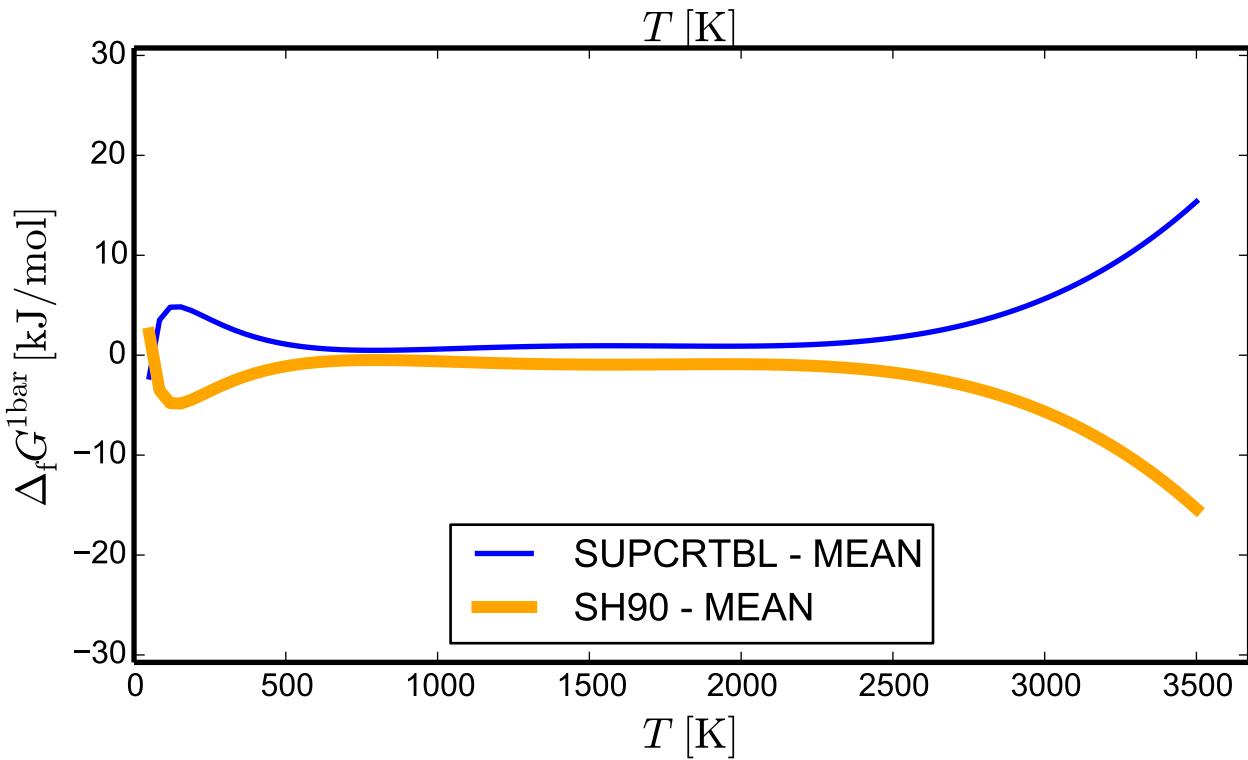
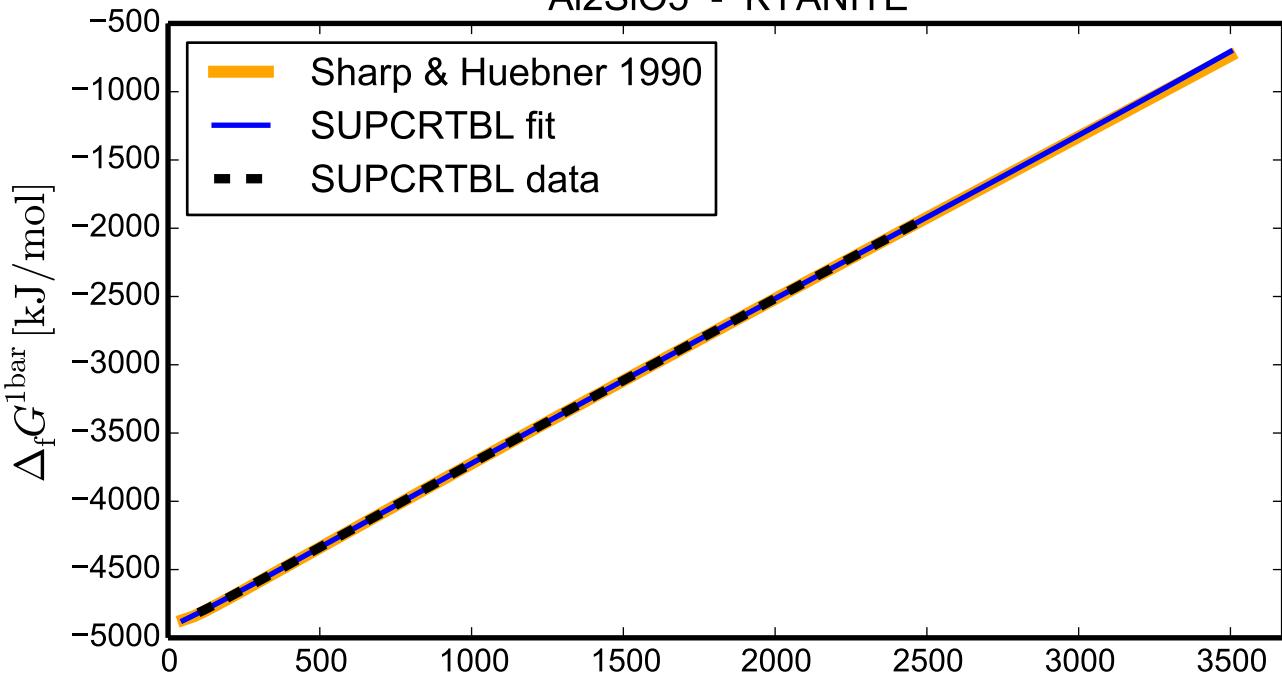
$T$  [K]



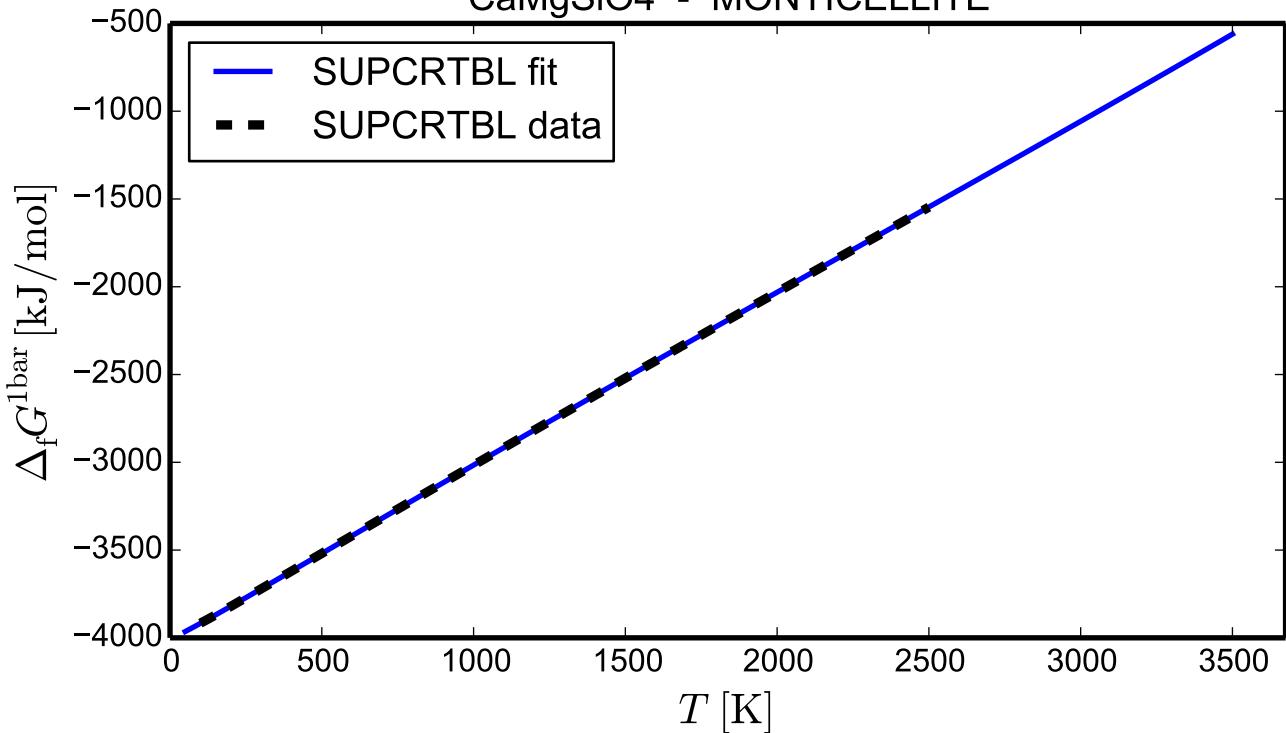
$T$  [K]

SUPCRTBL - MEAN  
SH90 - MEAN

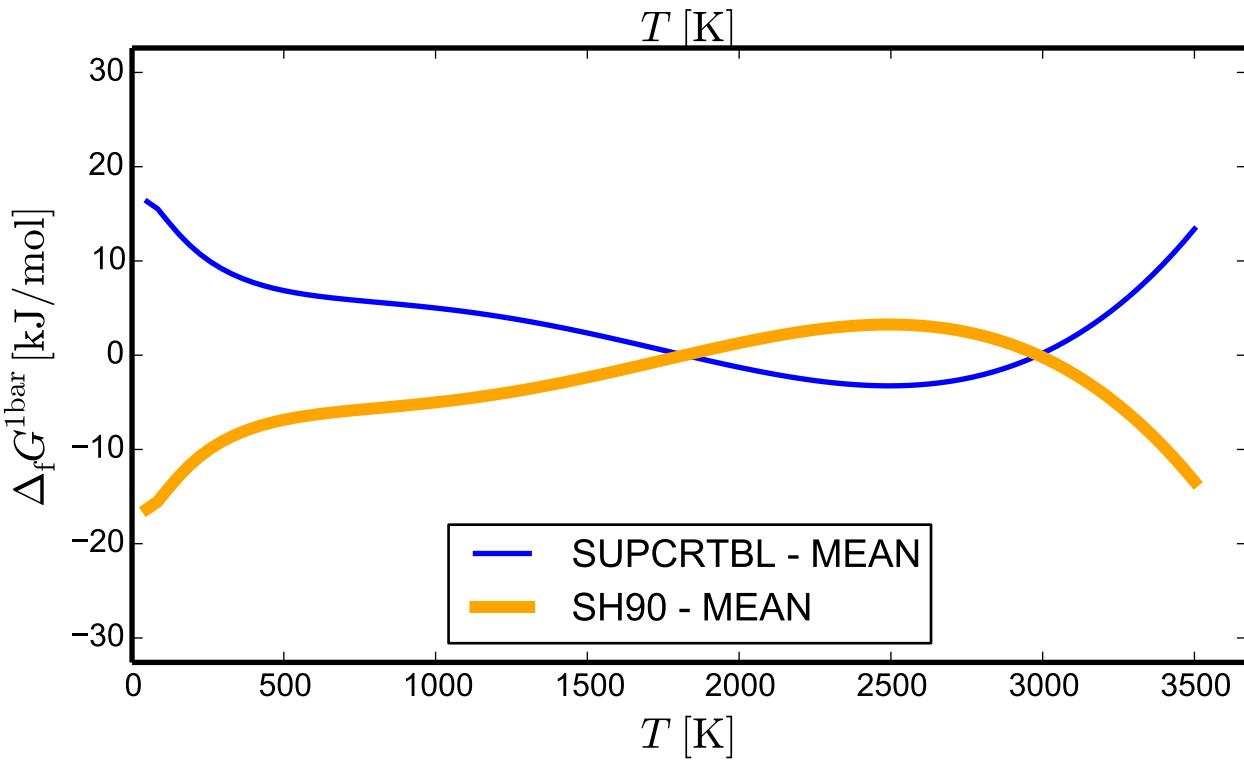
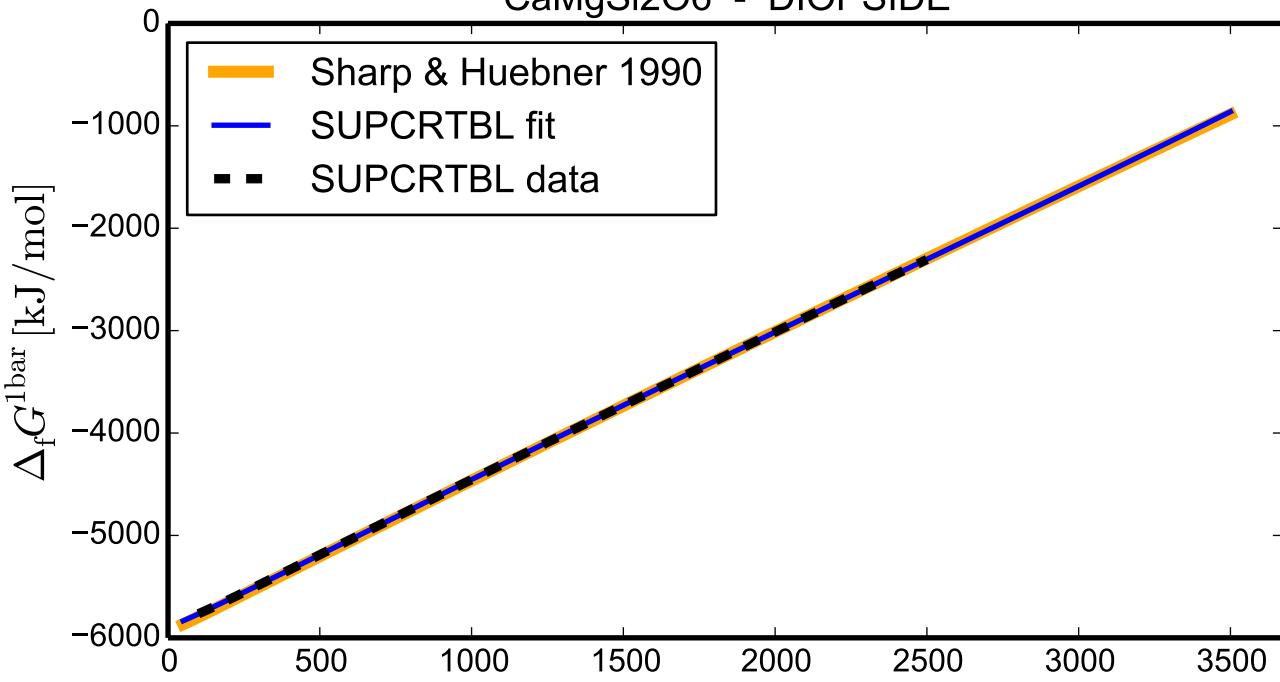
# Al<sub>2</sub>SiO<sub>5</sub> - KYANITE



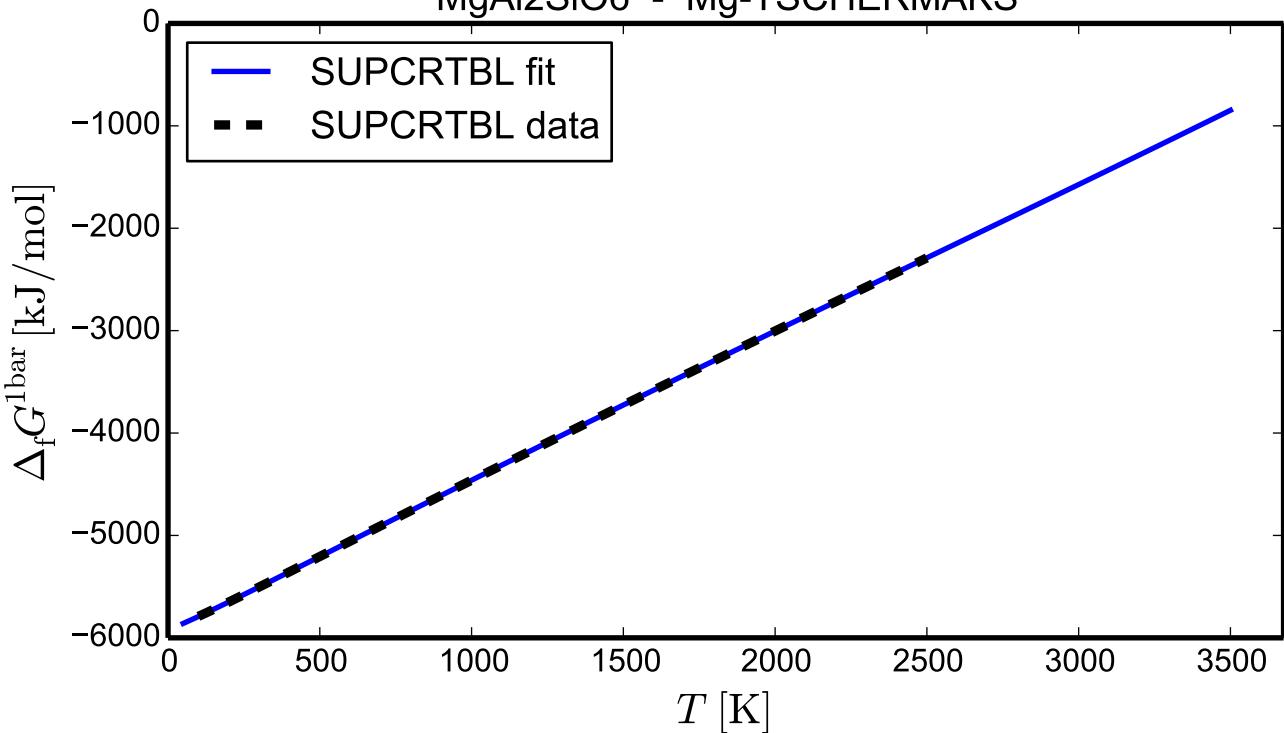
# CaMgSiO<sub>4</sub> - MONTICELLITE

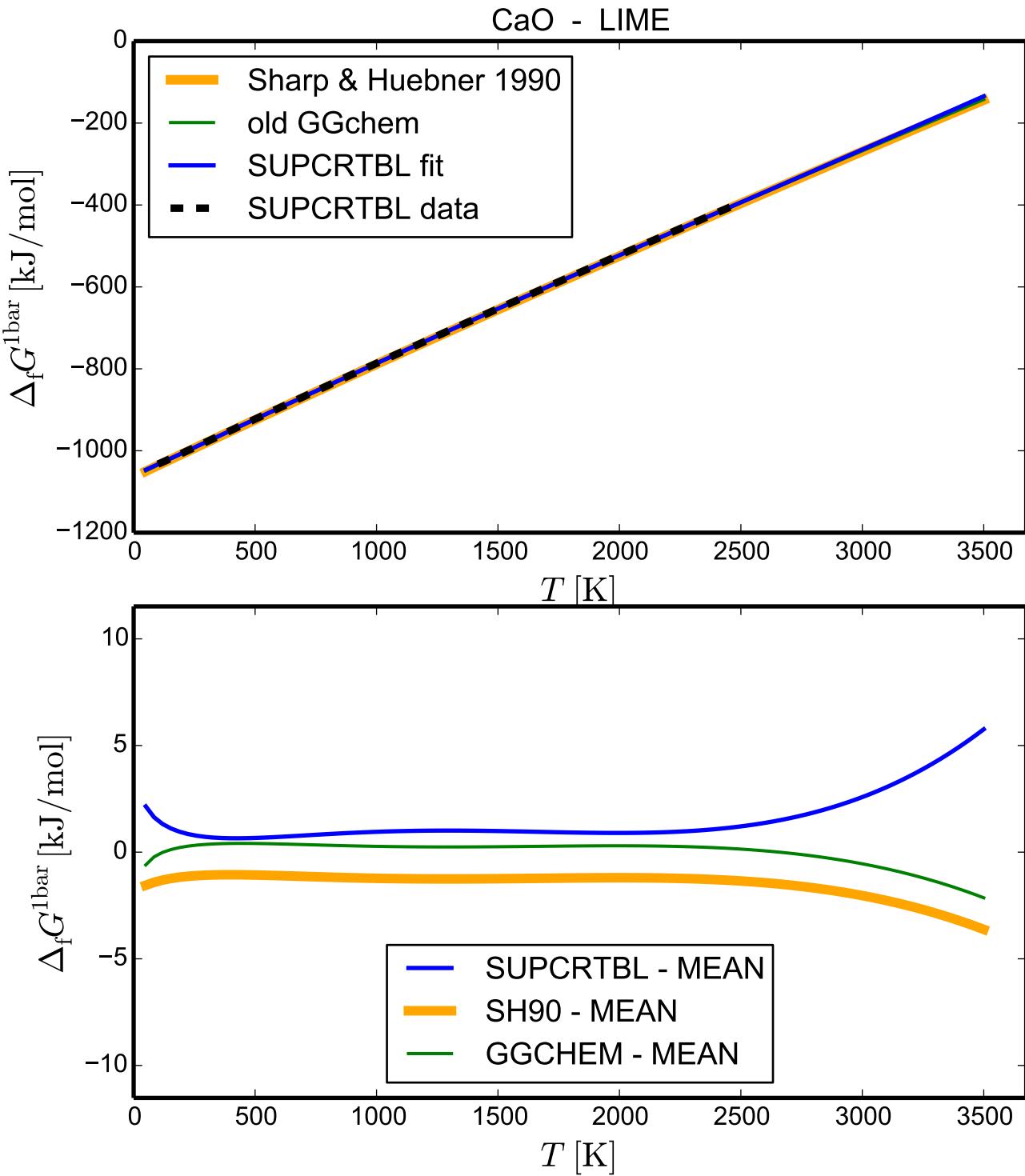


# CaMgSi<sub>2</sub>O<sub>6</sub> - DIOPSIDE

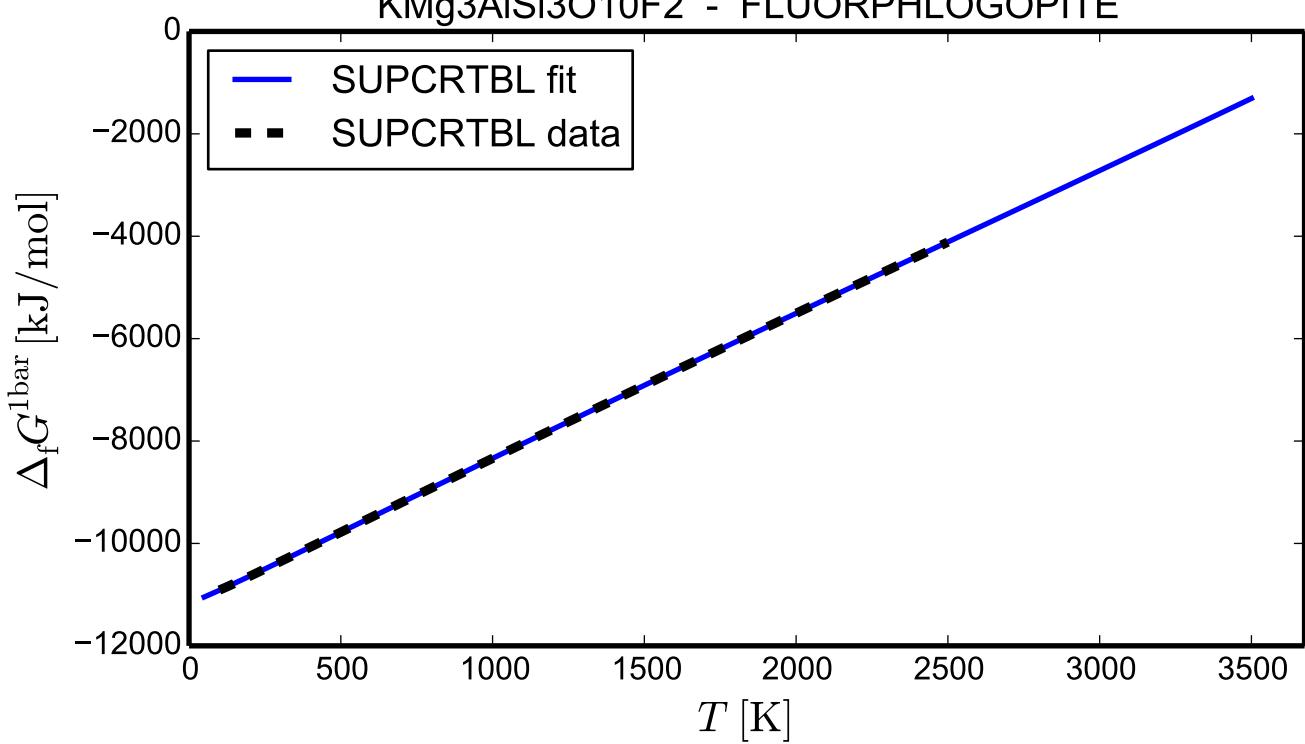


# MgAl<sub>2</sub>SiO<sub>6</sub> - Mg-TSCHERMAKS

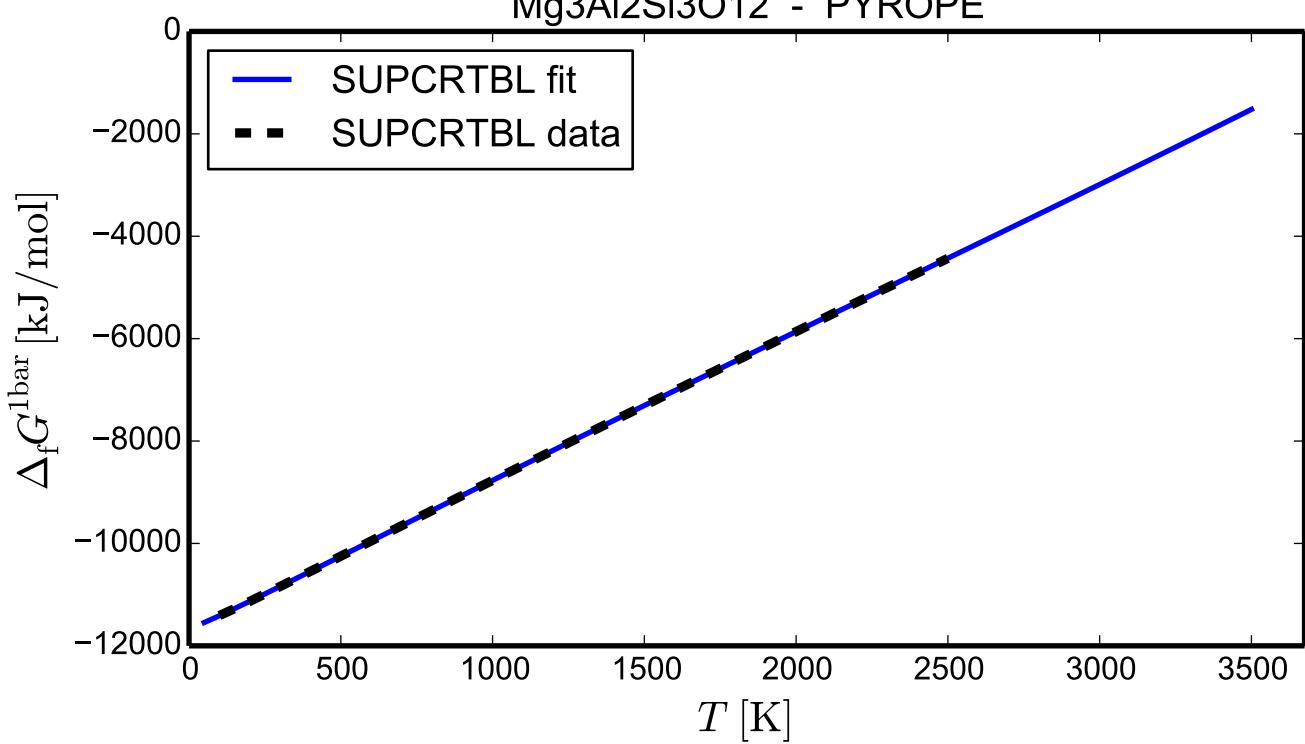




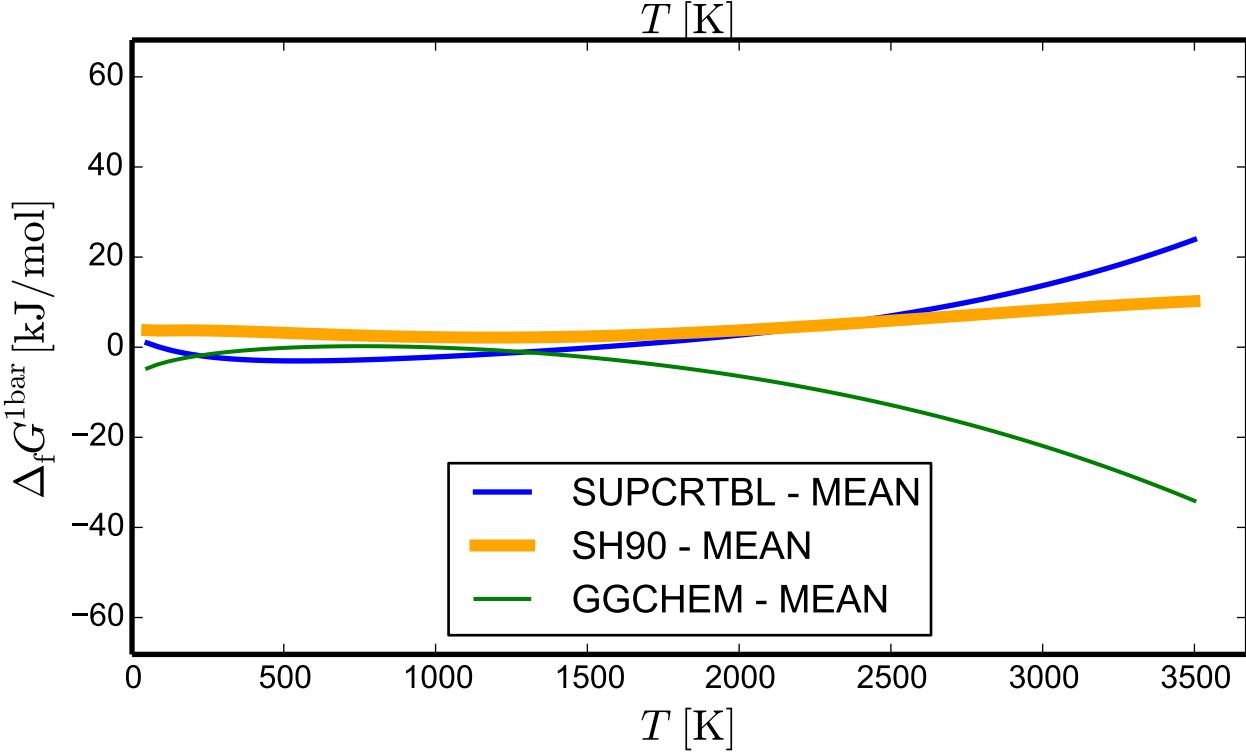
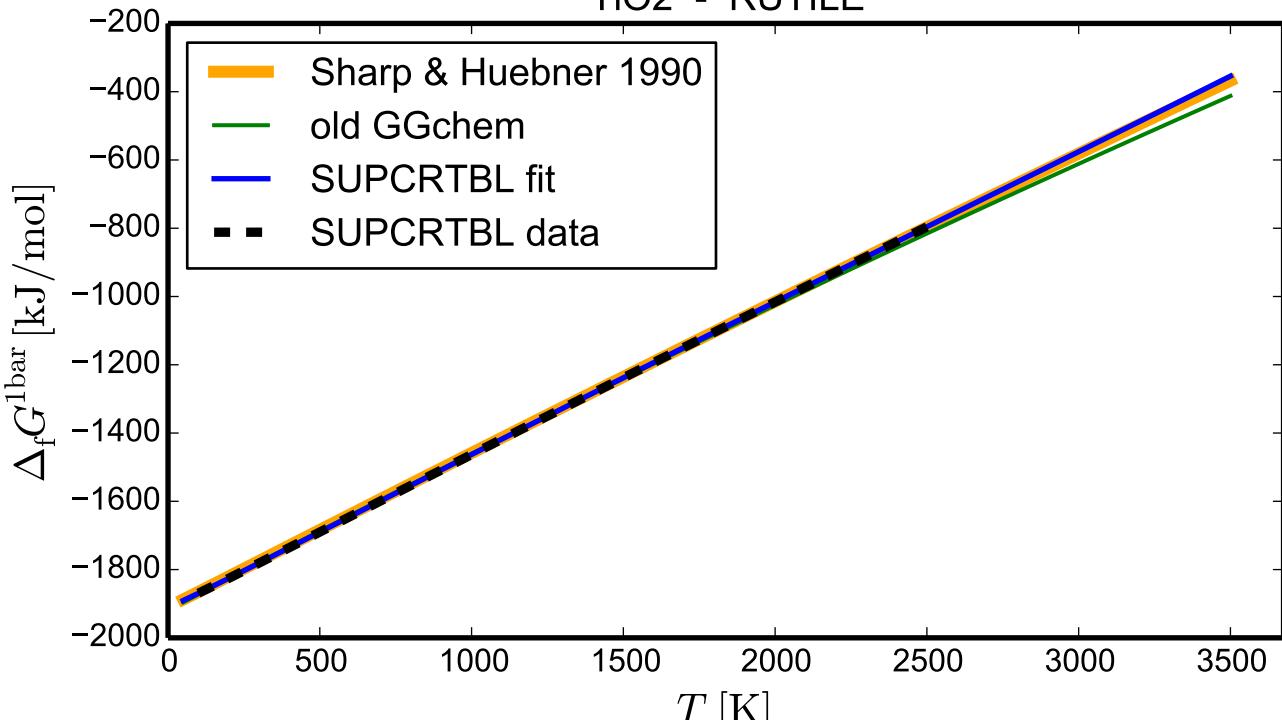
# KMg<sub>3</sub>AlSi<sub>3</sub>O<sub>10</sub>F<sub>2</sub> - FLUORPHLOGOPITE



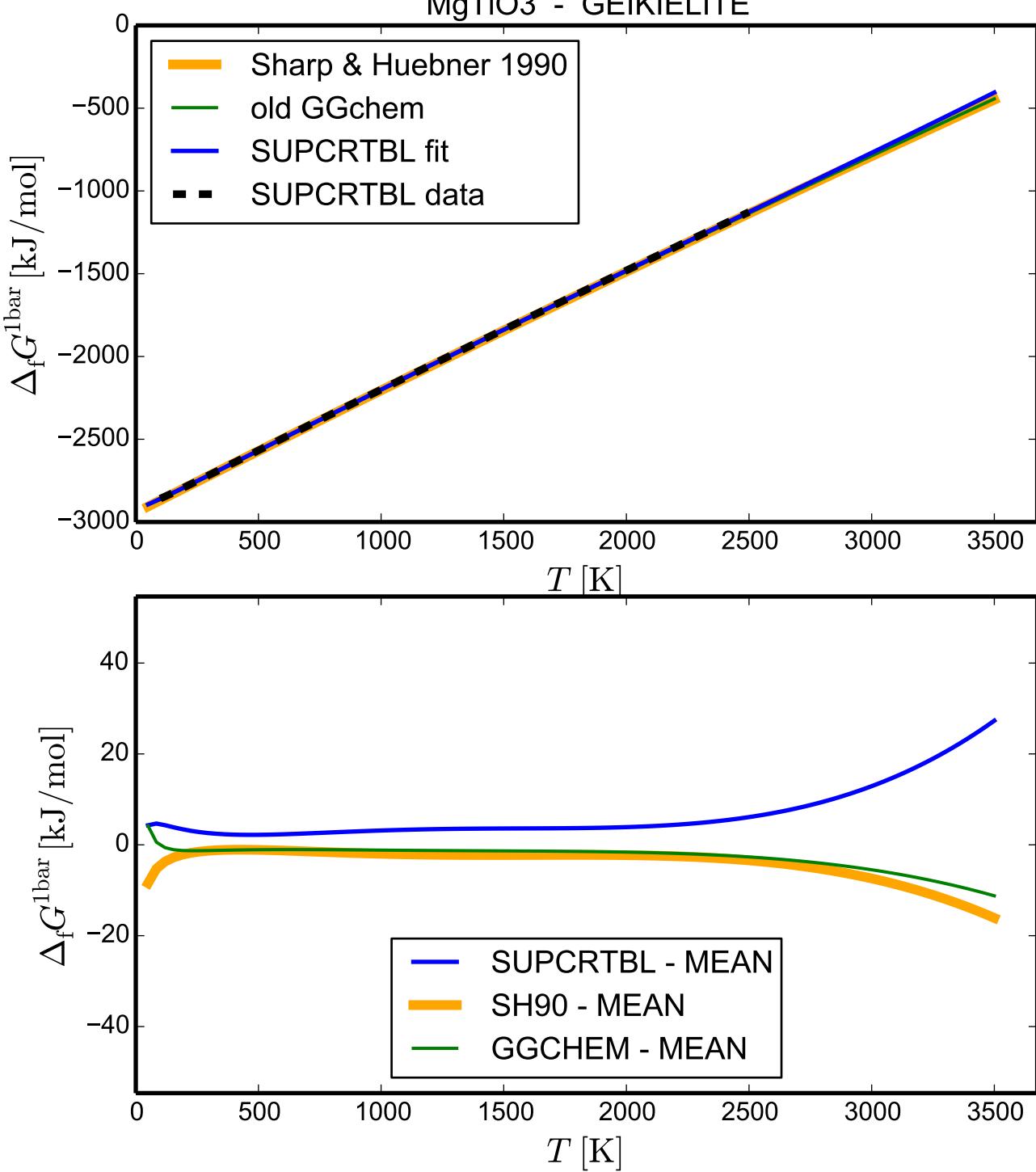
# Mg<sub>3</sub>Al<sub>2</sub>Si<sub>3</sub>O<sub>12</sub> - PYROPE



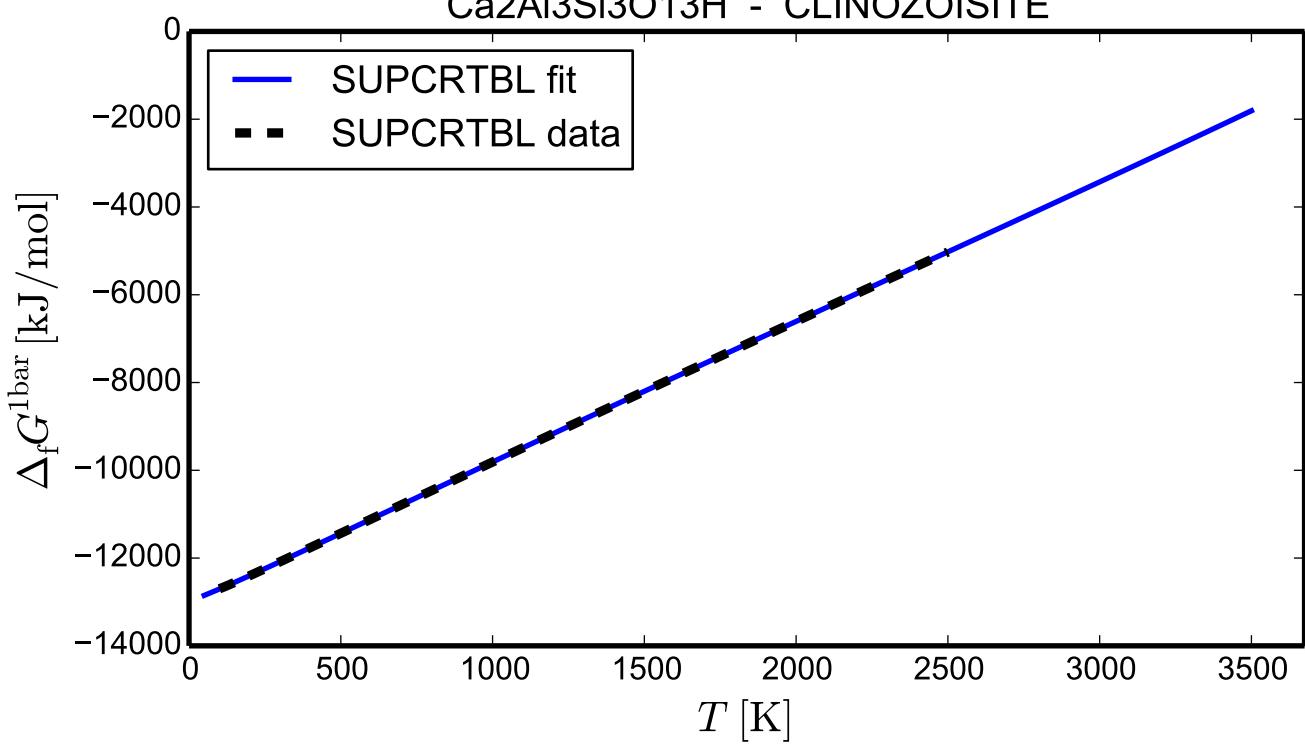
# TiO<sub>2</sub> - RUTILE



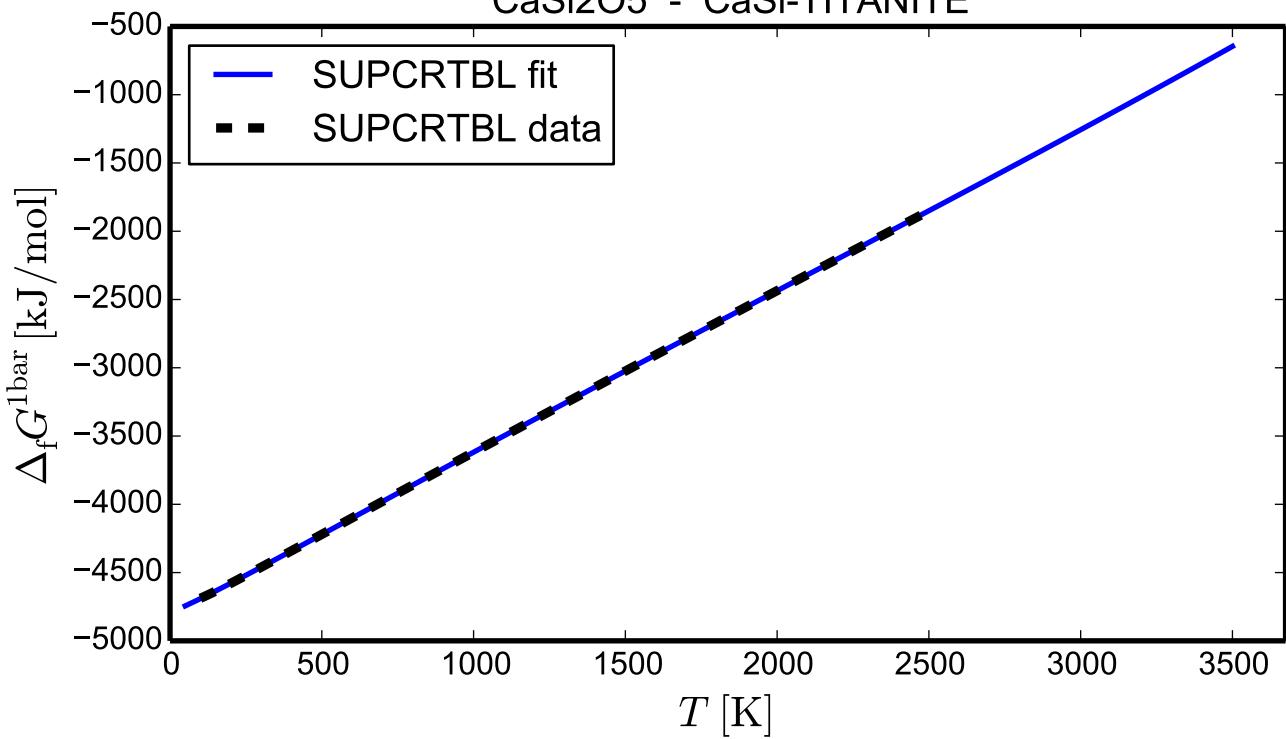
# MgTiO<sub>3</sub> - GEIKIELITE



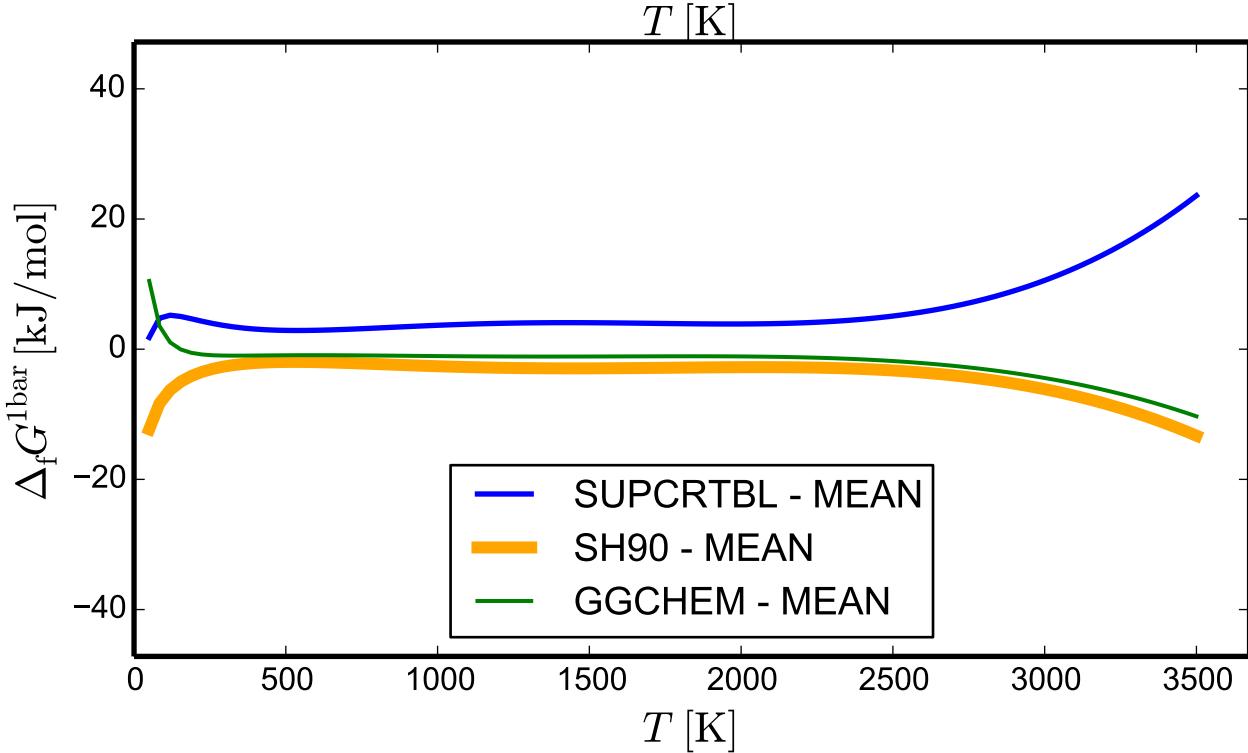
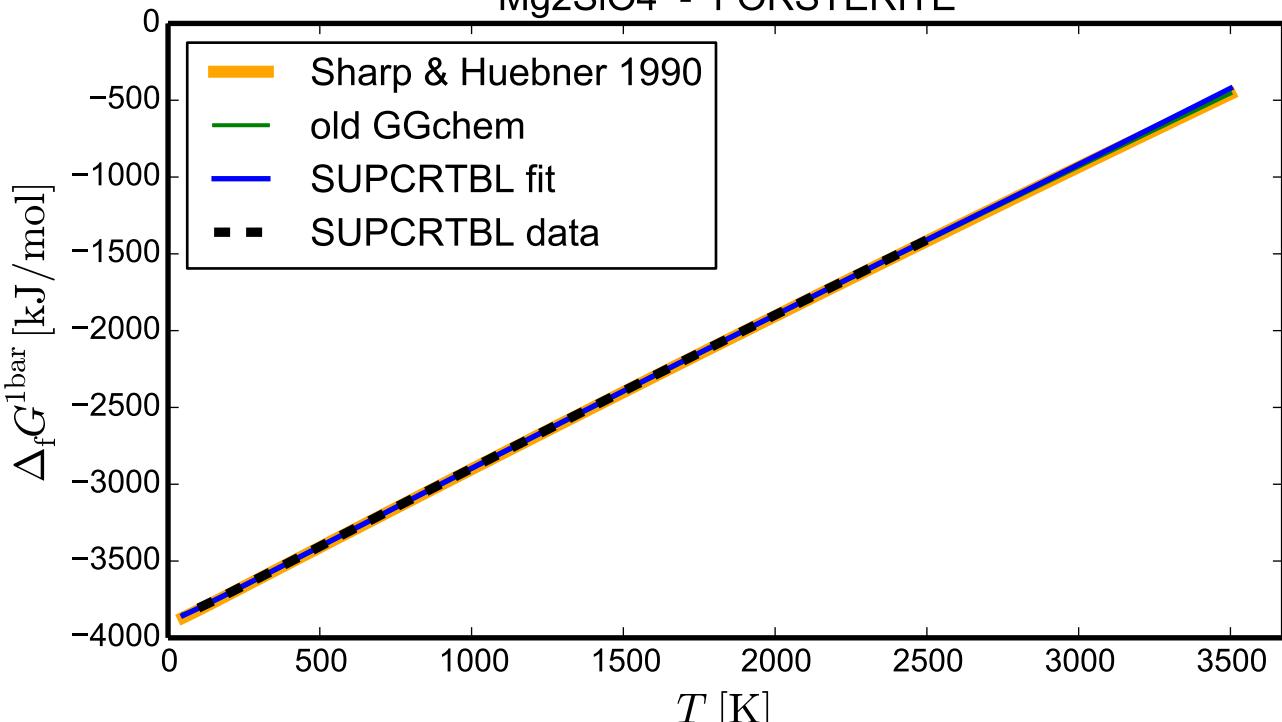
# Ca<sub>2</sub>Al<sub>3</sub>Si<sub>3</sub>O<sub>13</sub>H - CLINOZOISITE



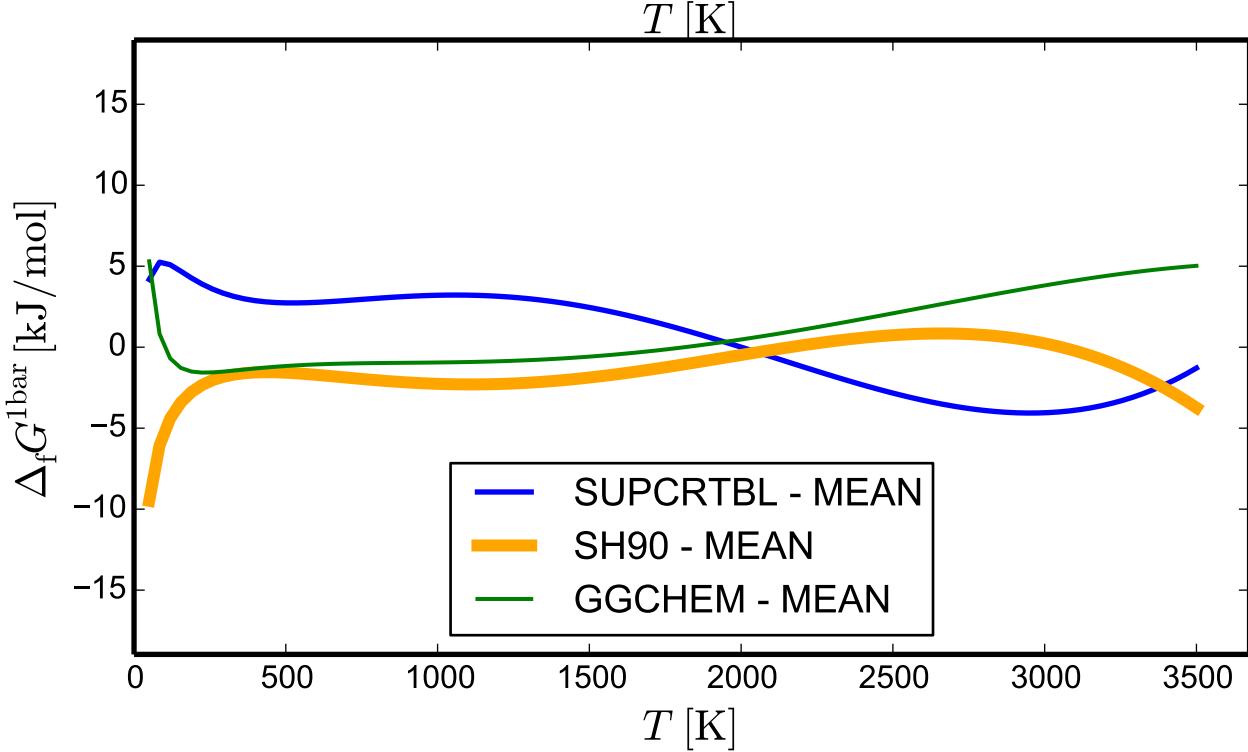
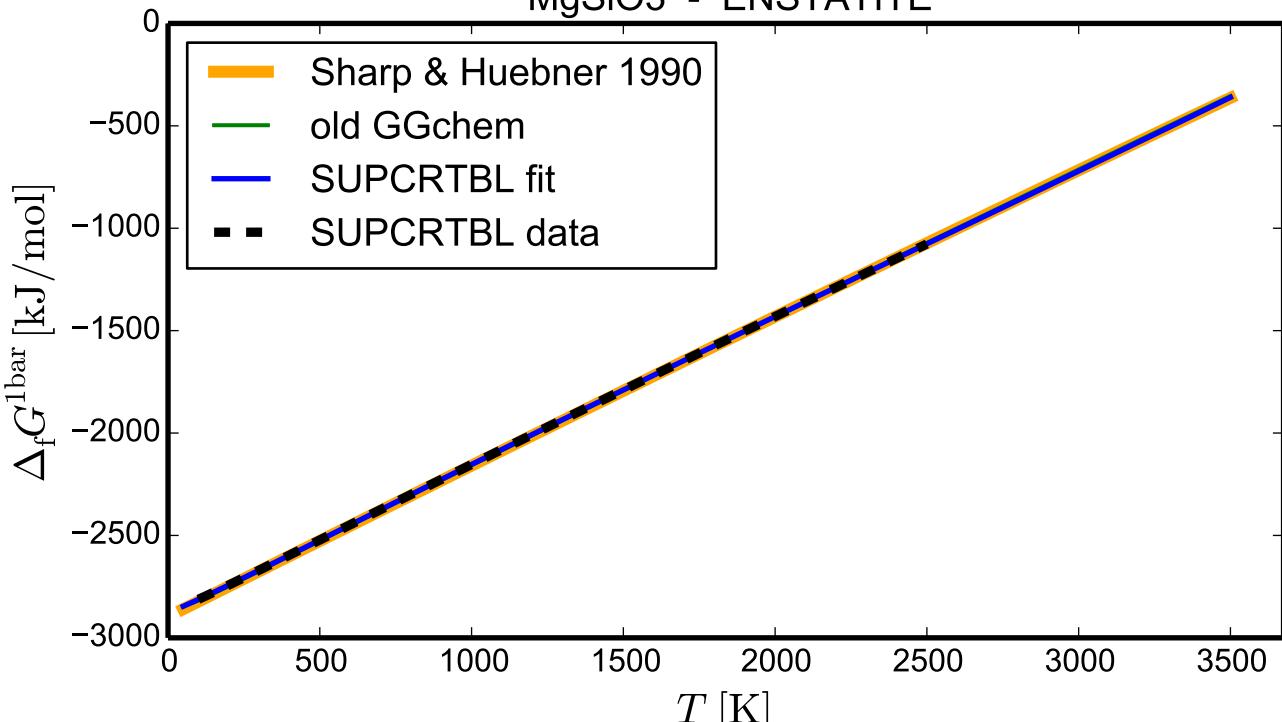
# CaSi<sub>2</sub>O<sub>5</sub> - CaSi-TITANITE



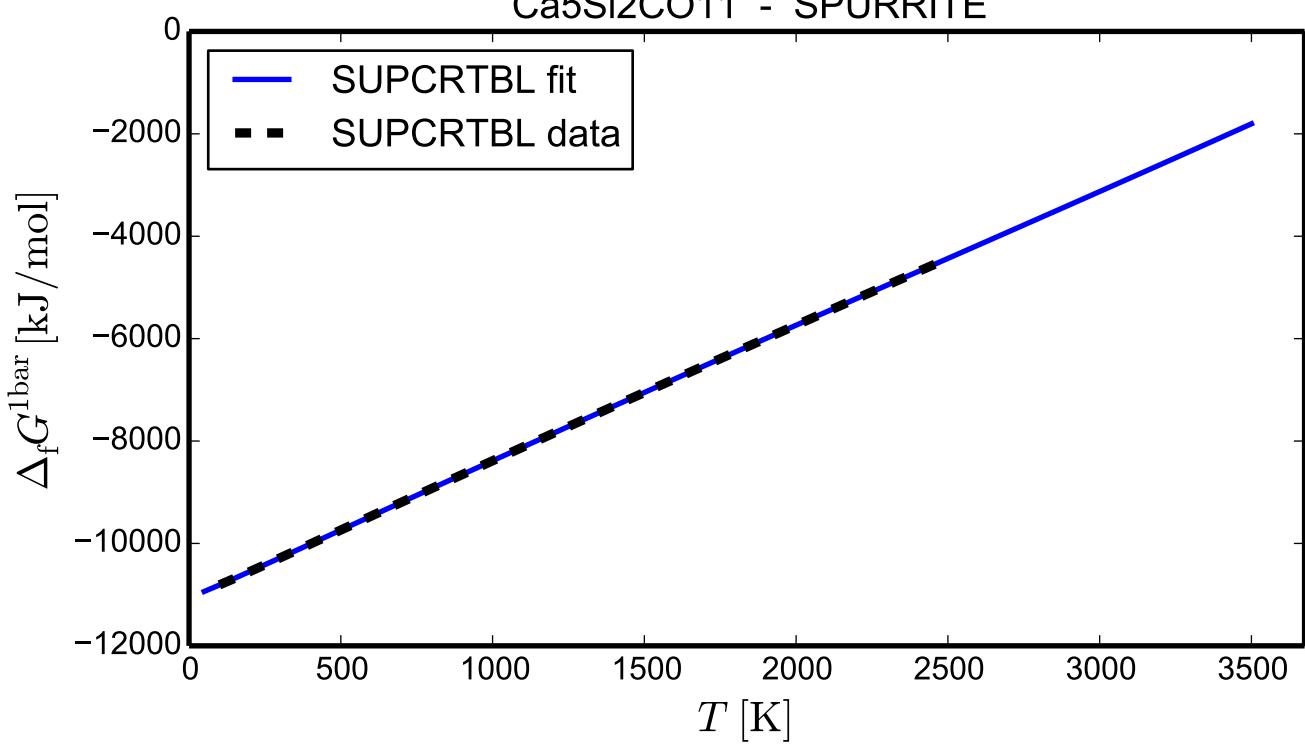
# Mg<sub>2</sub>SiO<sub>4</sub> - FORSTERITE



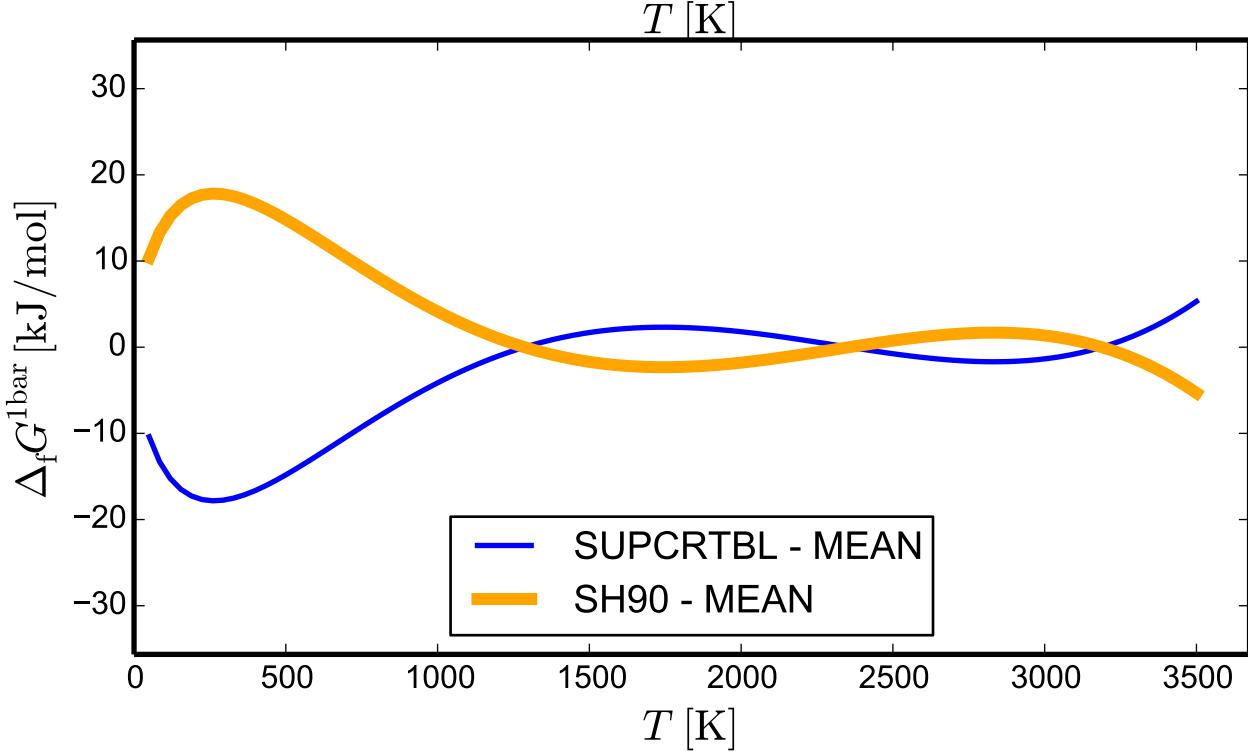
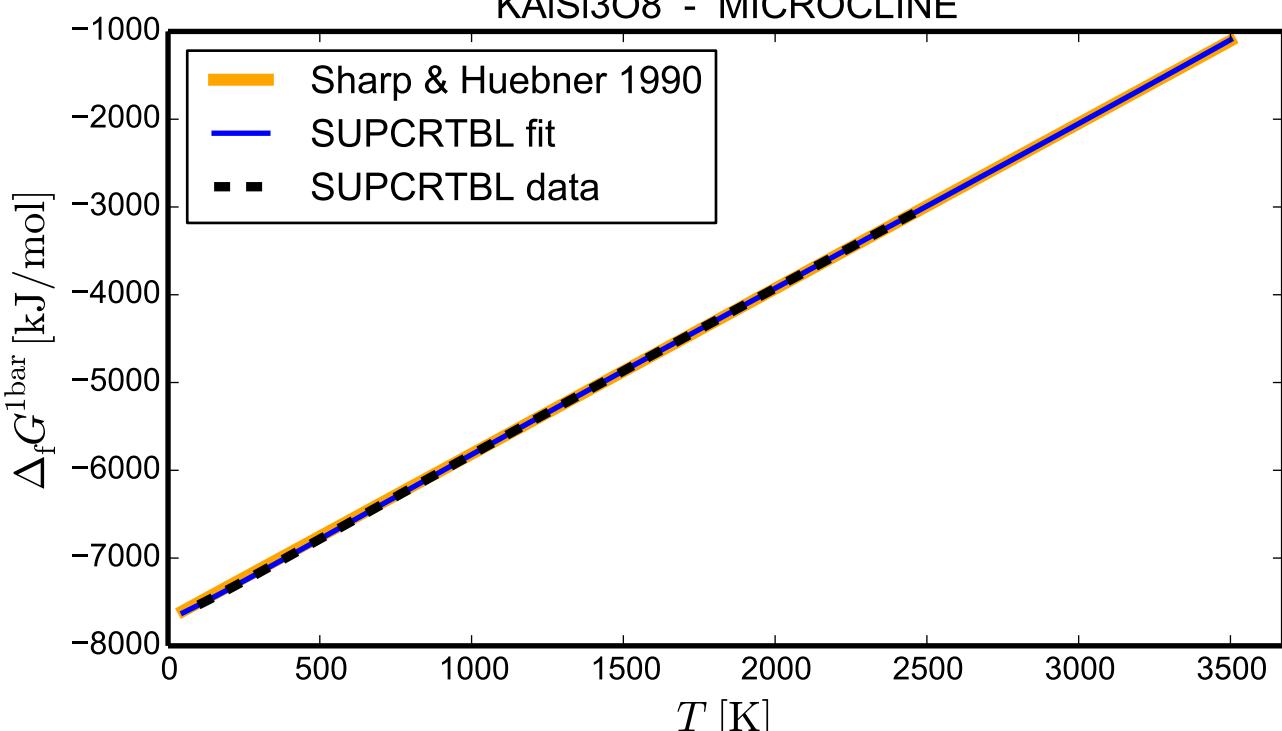
# MgSiO<sub>3</sub> - ENSTATITE



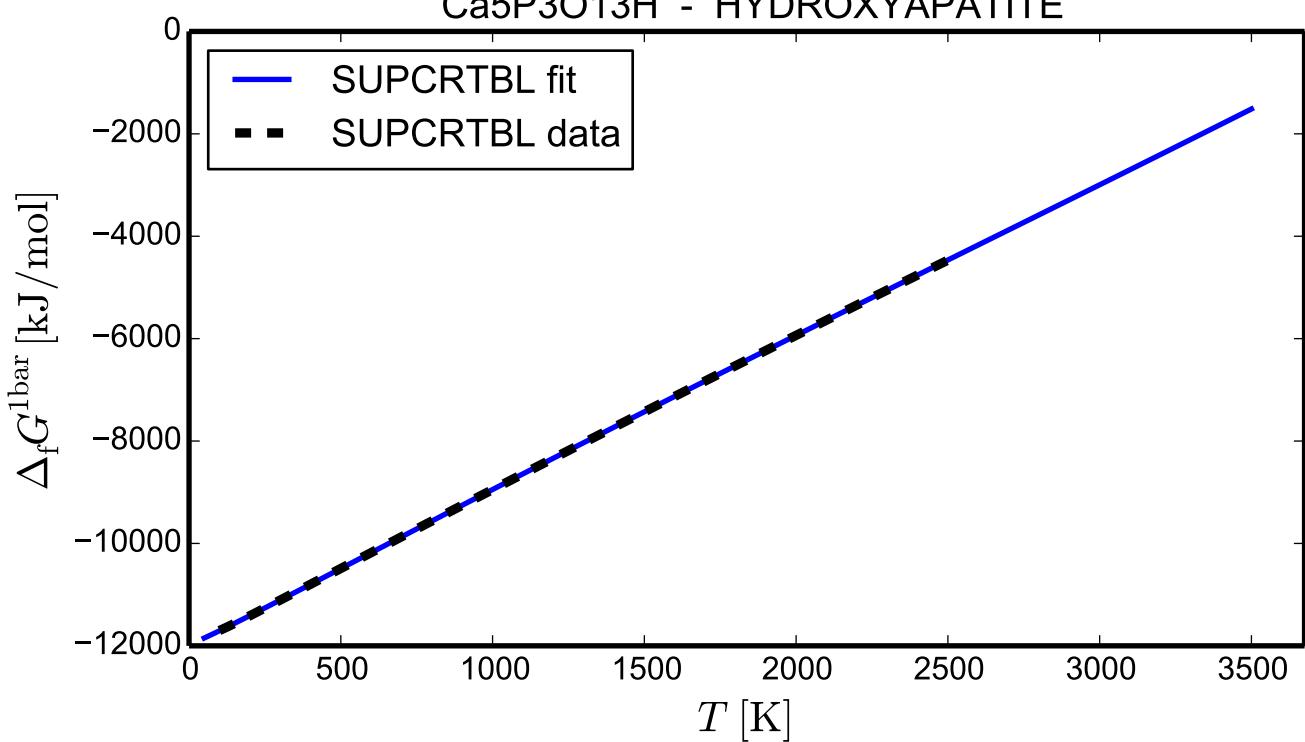
# Ca<sub>5</sub>Si<sub>2</sub>CO<sub>11</sub> - SPURRITE



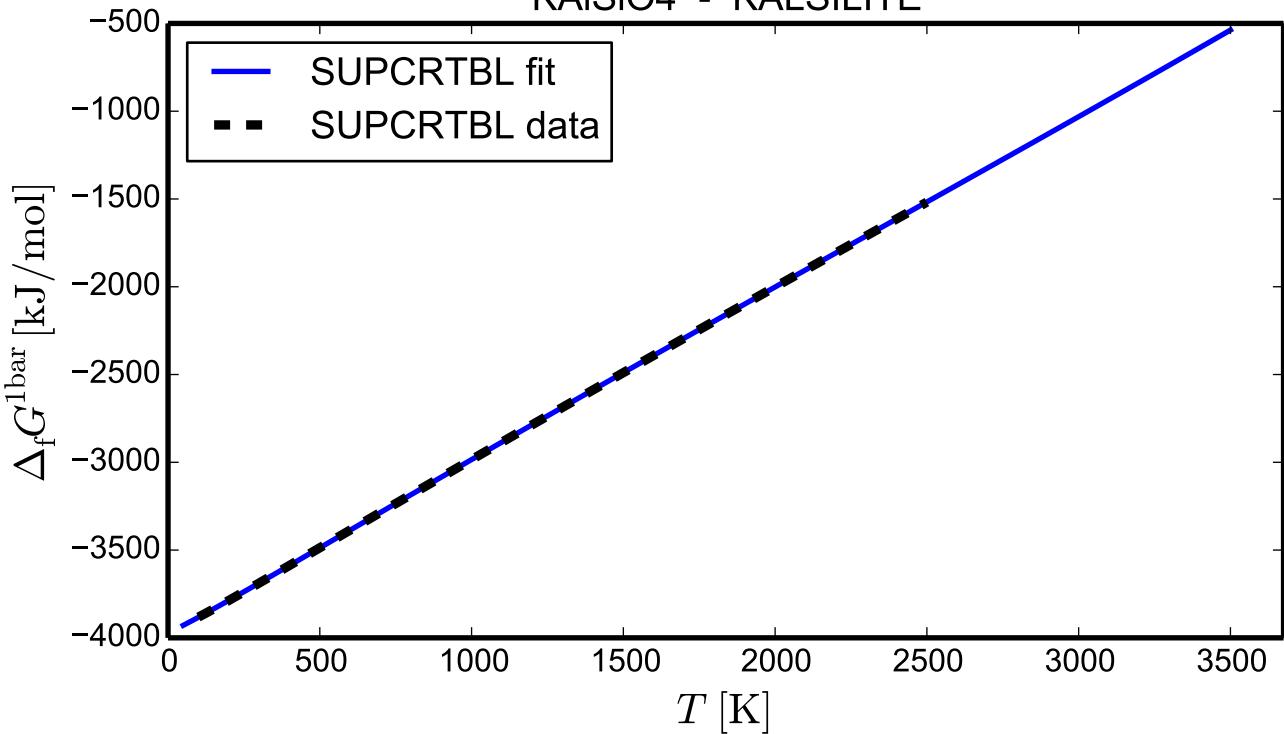
# KAISi<sub>3</sub>O<sub>8</sub> - MICROCLINE

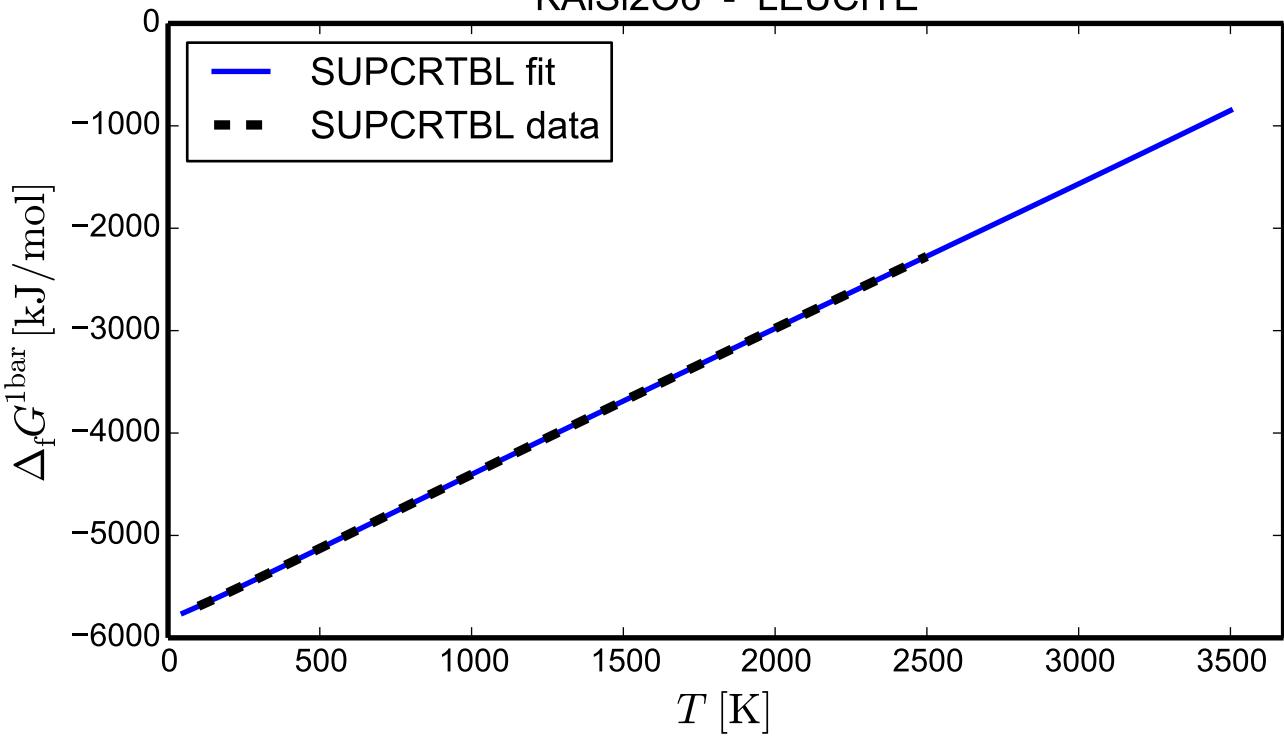


# Ca<sub>5</sub>P<sub>3</sub>O<sub>13</sub>H - HYDROXYAPATITE

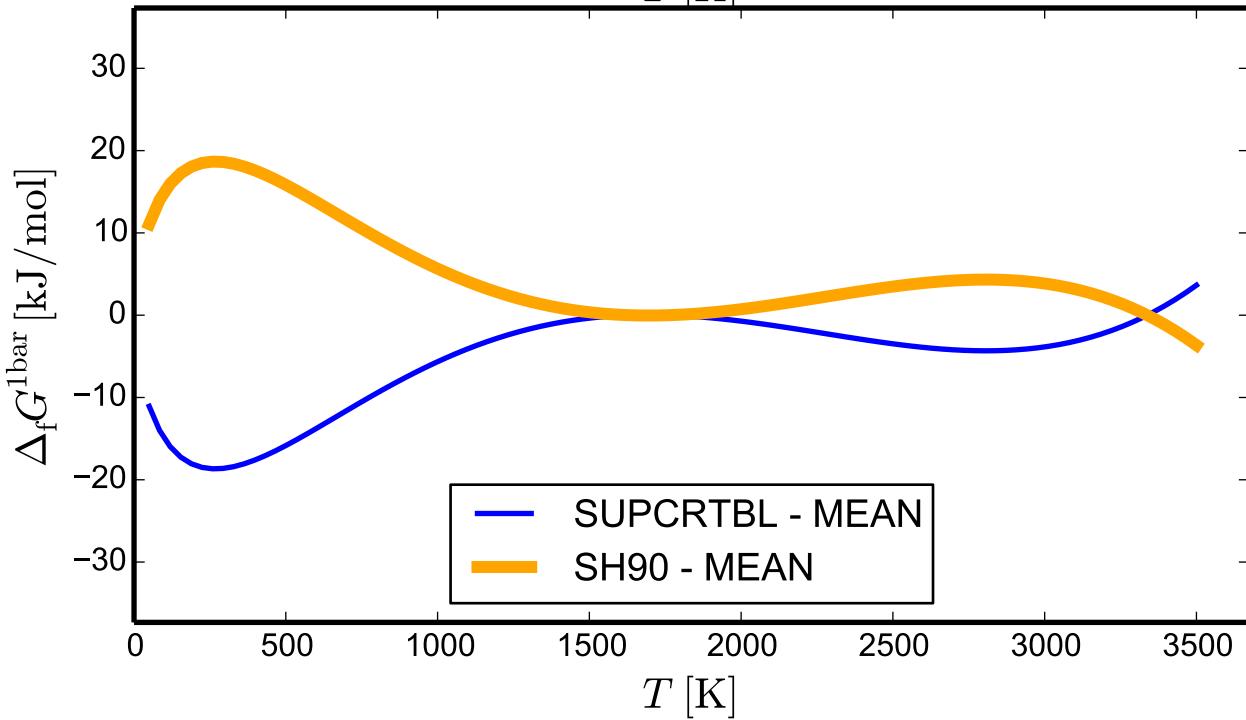
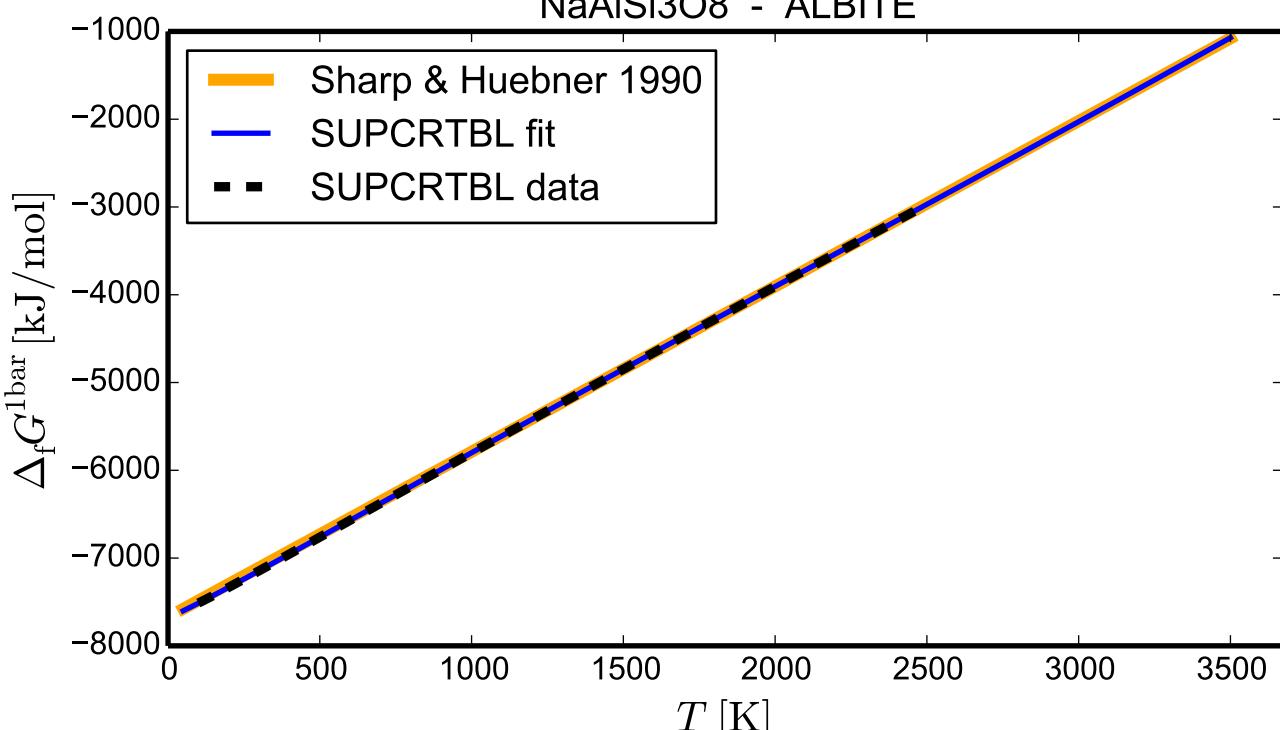


# KAISiO<sub>4</sub> - KALSILITE

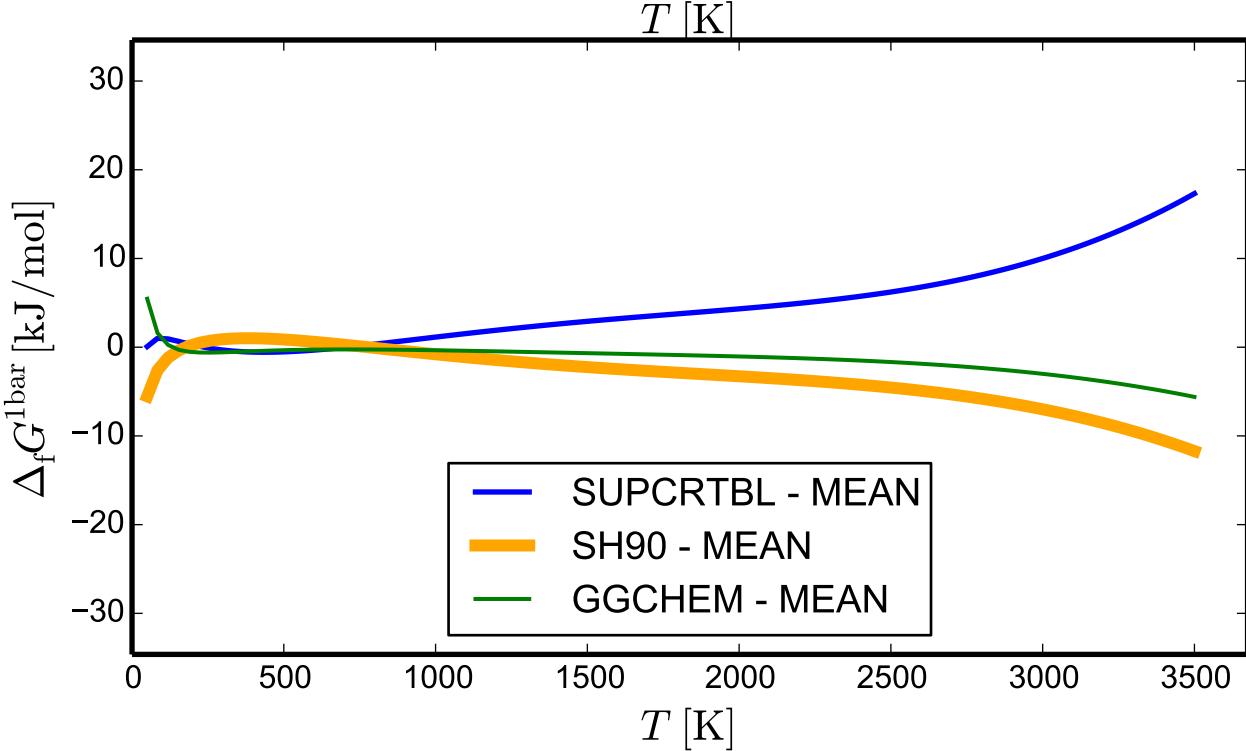
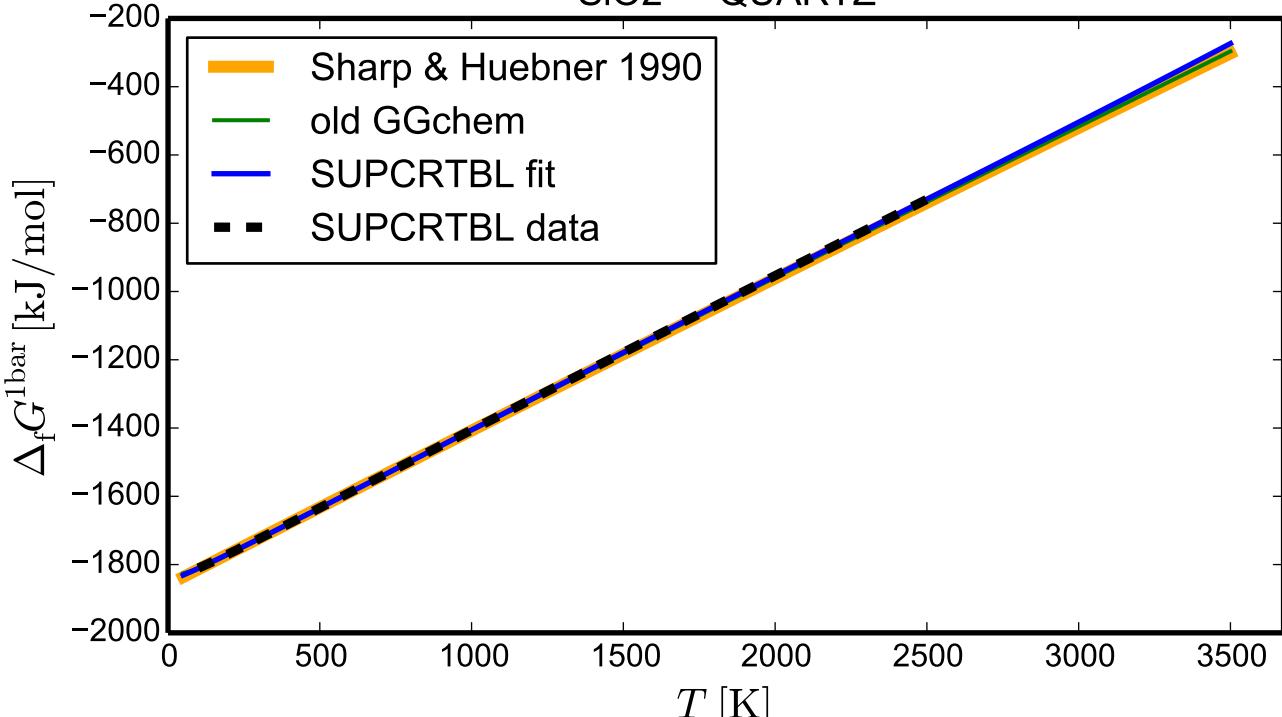


KAISi<sub>2</sub>O<sub>6</sub> - LEUCITE

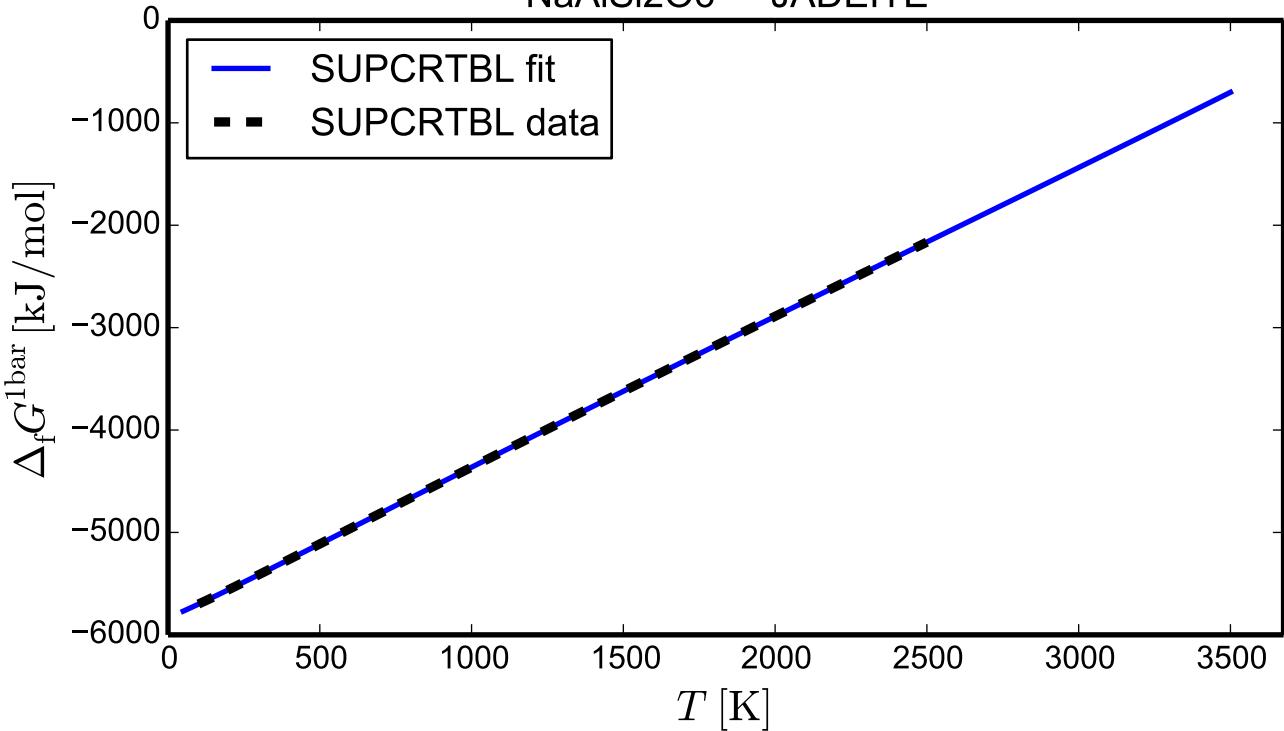
# NaAlSi<sub>3</sub>O<sub>8</sub> - ALBITE



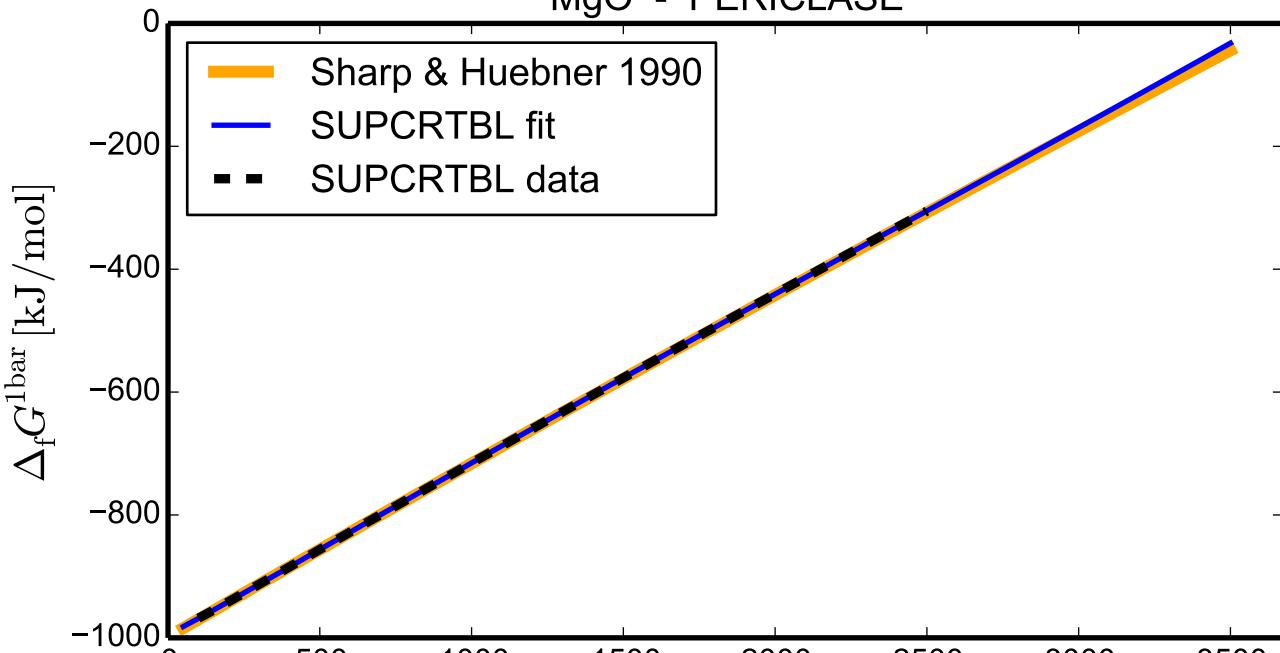
# SiO<sub>2</sub> - QUARTZ



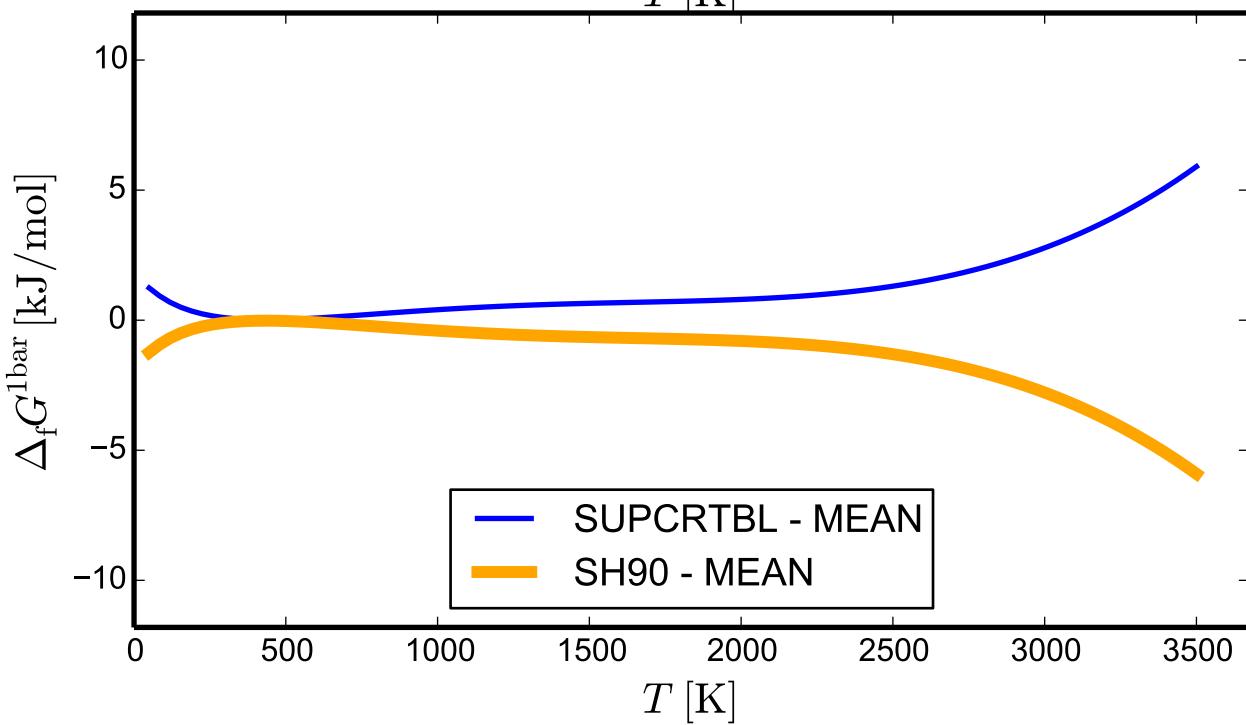
# NaAlSi<sub>2</sub>O<sub>6</sub> - JADEITE



# MgO - PERICLASE



$T$  [K]

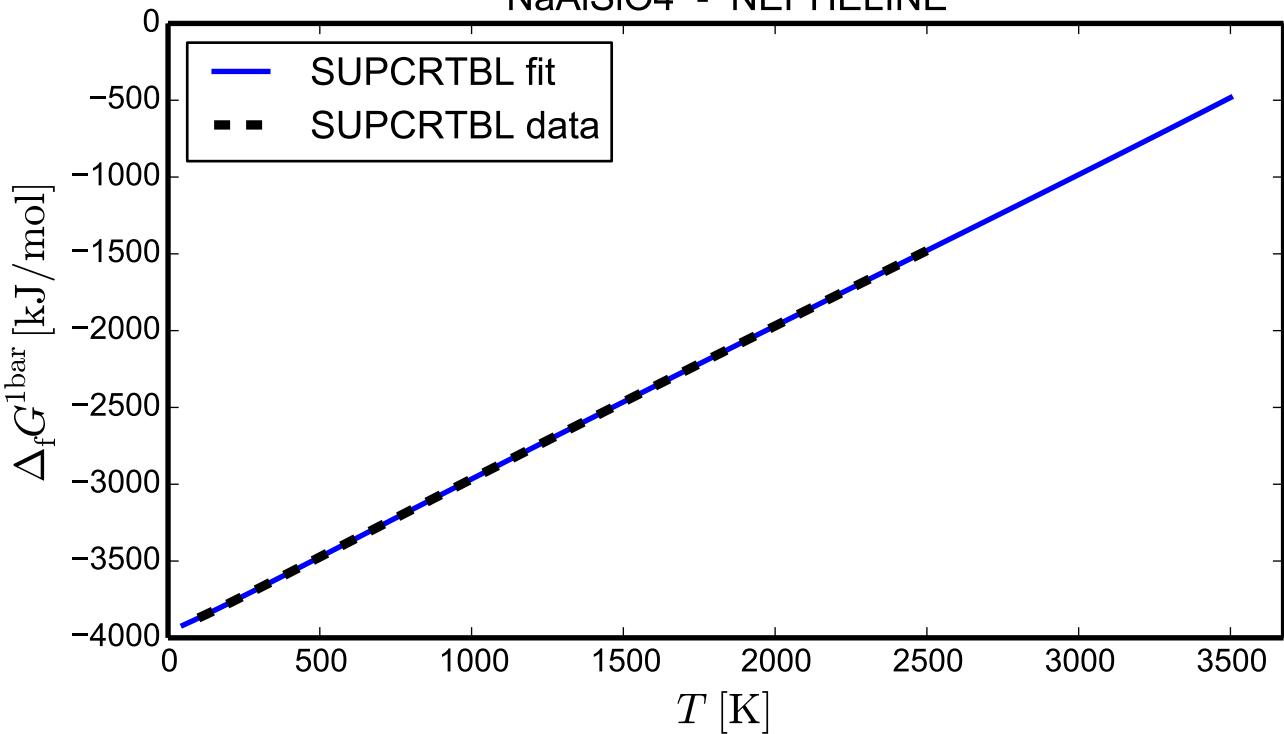


$T$  [K]

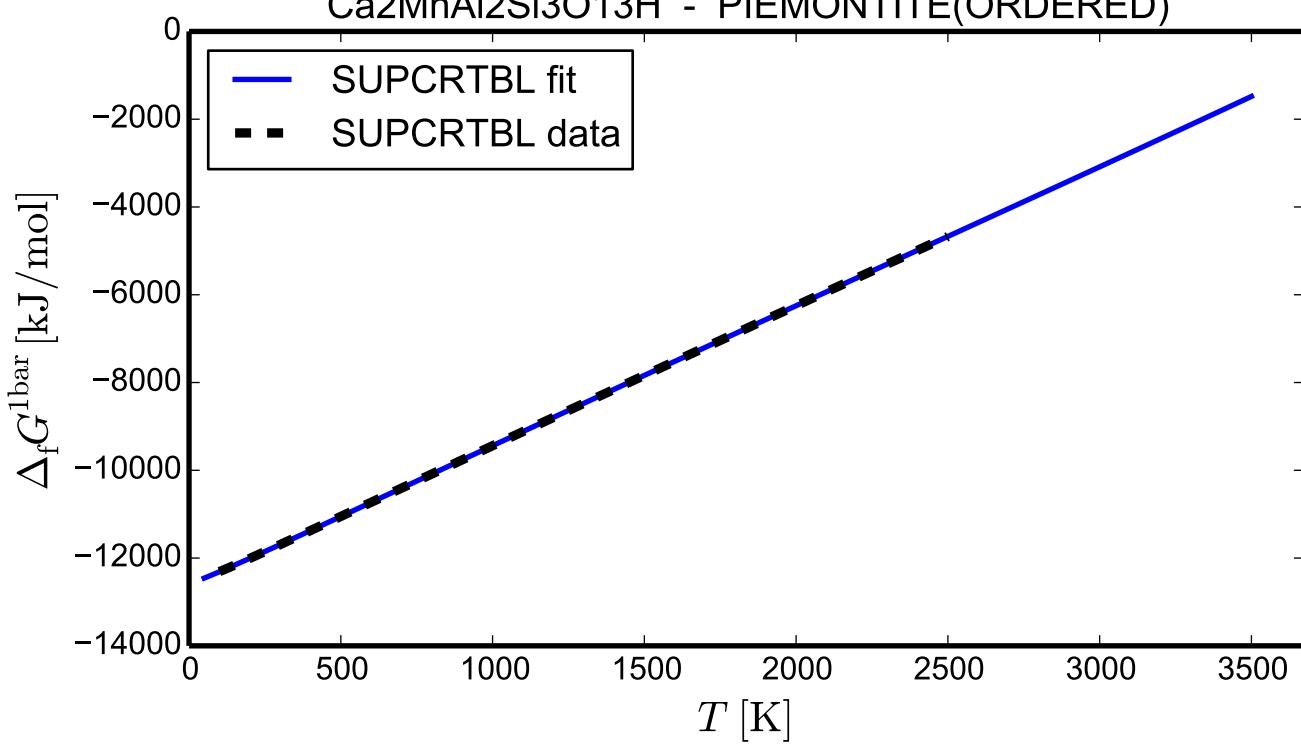
SUPCRTBL - MEAN

SH90 - MEAN

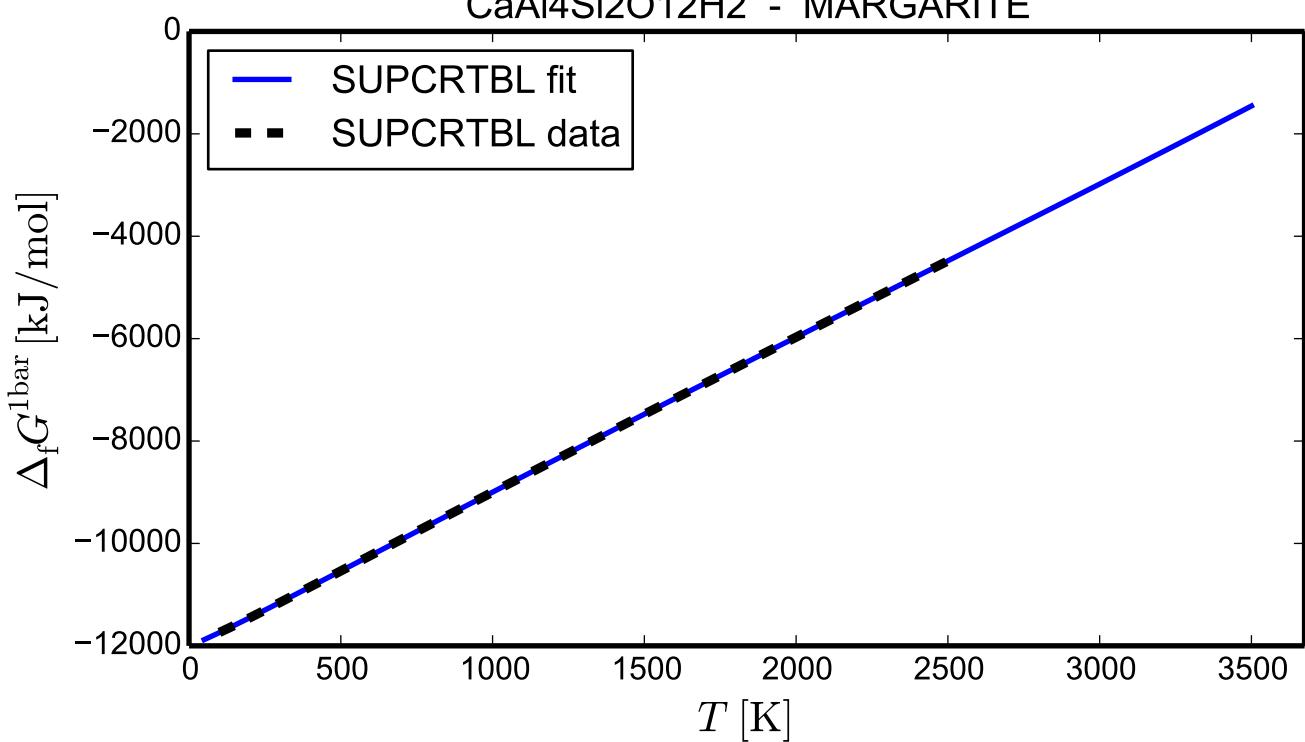
# NaAlSiO<sub>4</sub> - NEPHELINE



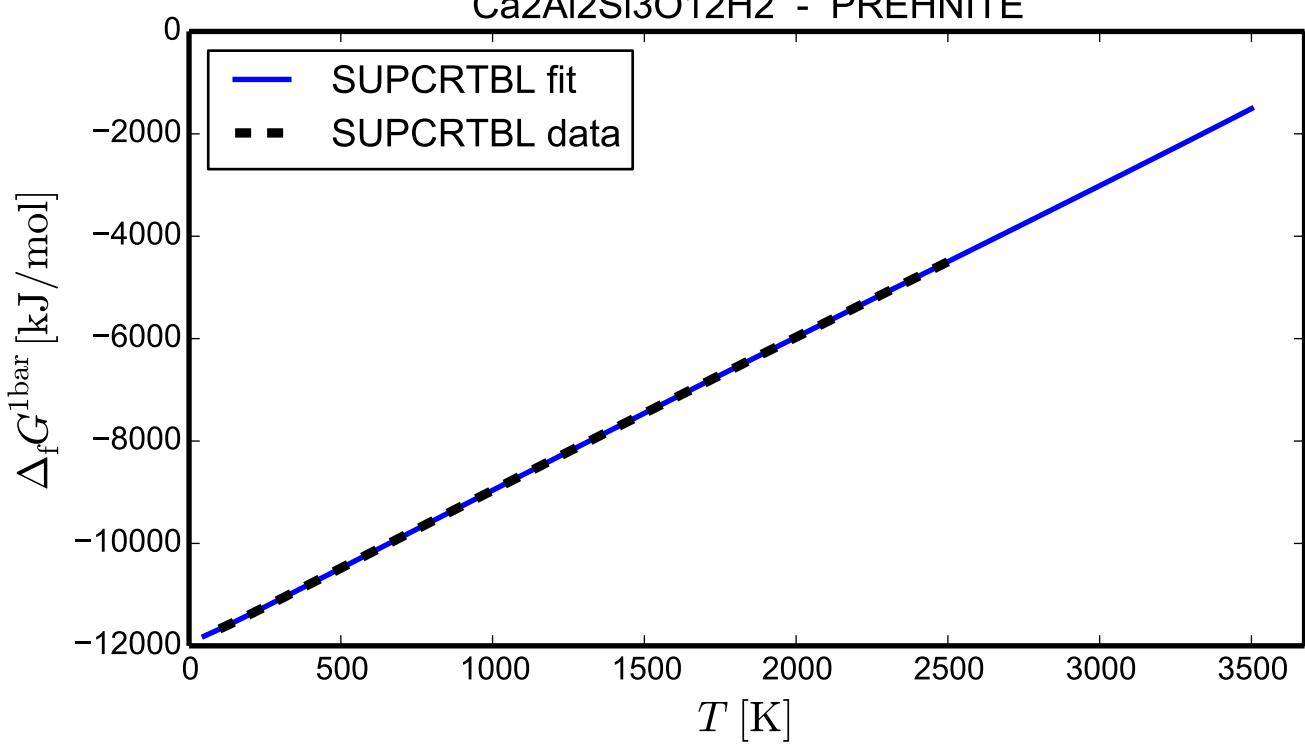
Ca<sub>2</sub>MnAl<sub>2</sub>Si<sub>3</sub>O<sub>13</sub>H - PIEMONITE(ORDERED)



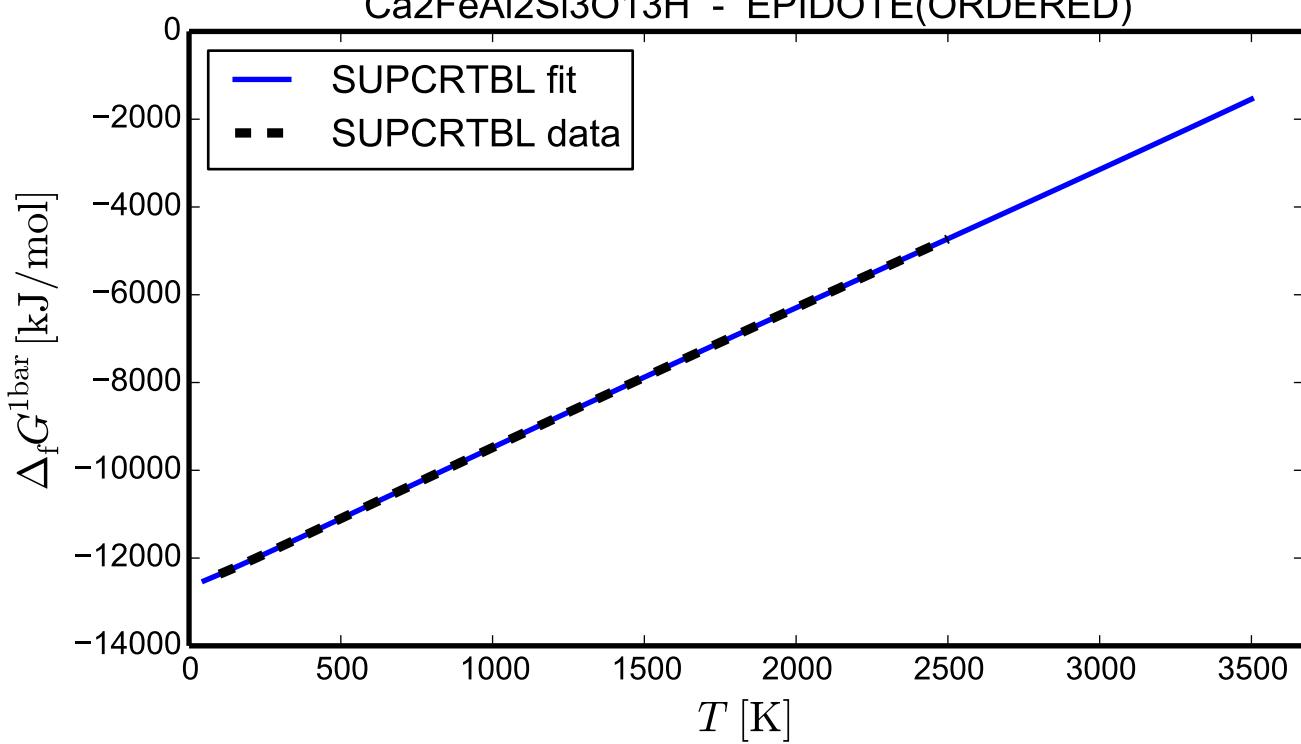
# CaAl<sub>4</sub>Si<sub>2</sub>O<sub>12</sub>H<sub>2</sub> - MARGARITE



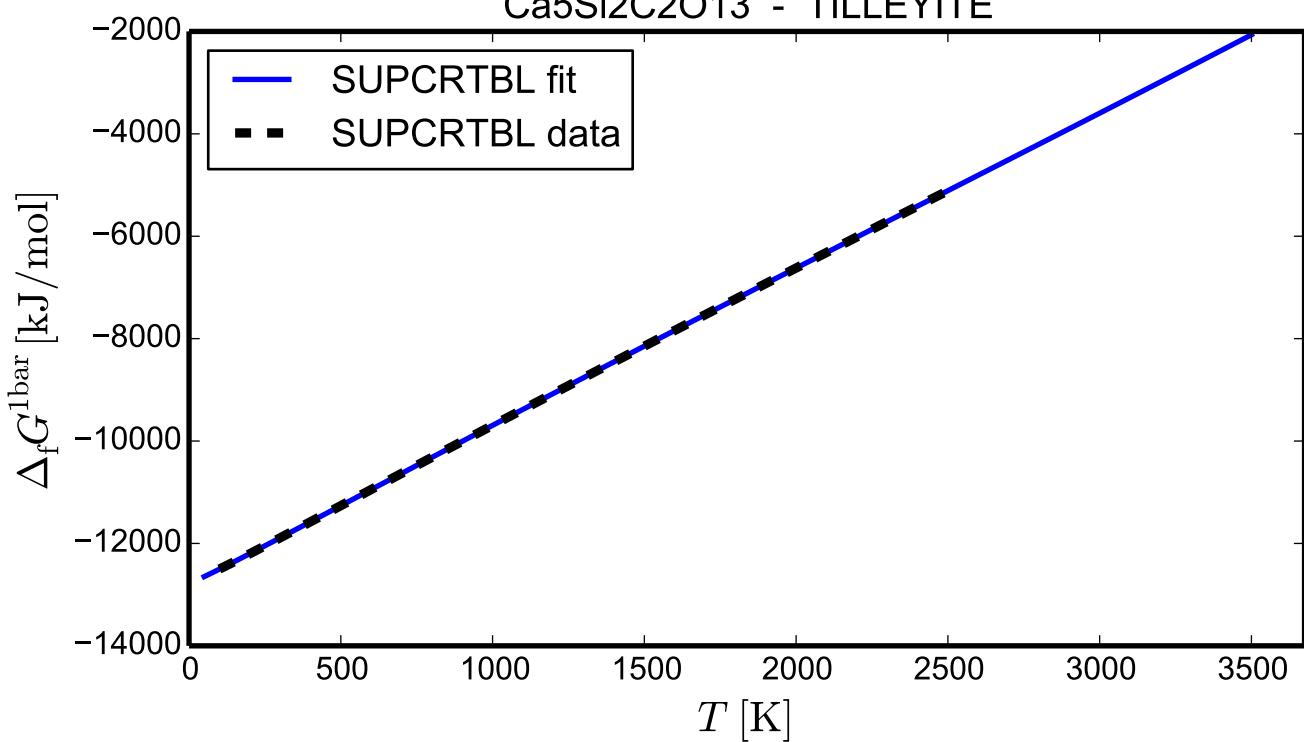
# Ca<sub>2</sub>Al<sub>2</sub>Si<sub>3</sub>O<sub>12</sub>H<sub>2</sub> - PREHNITE



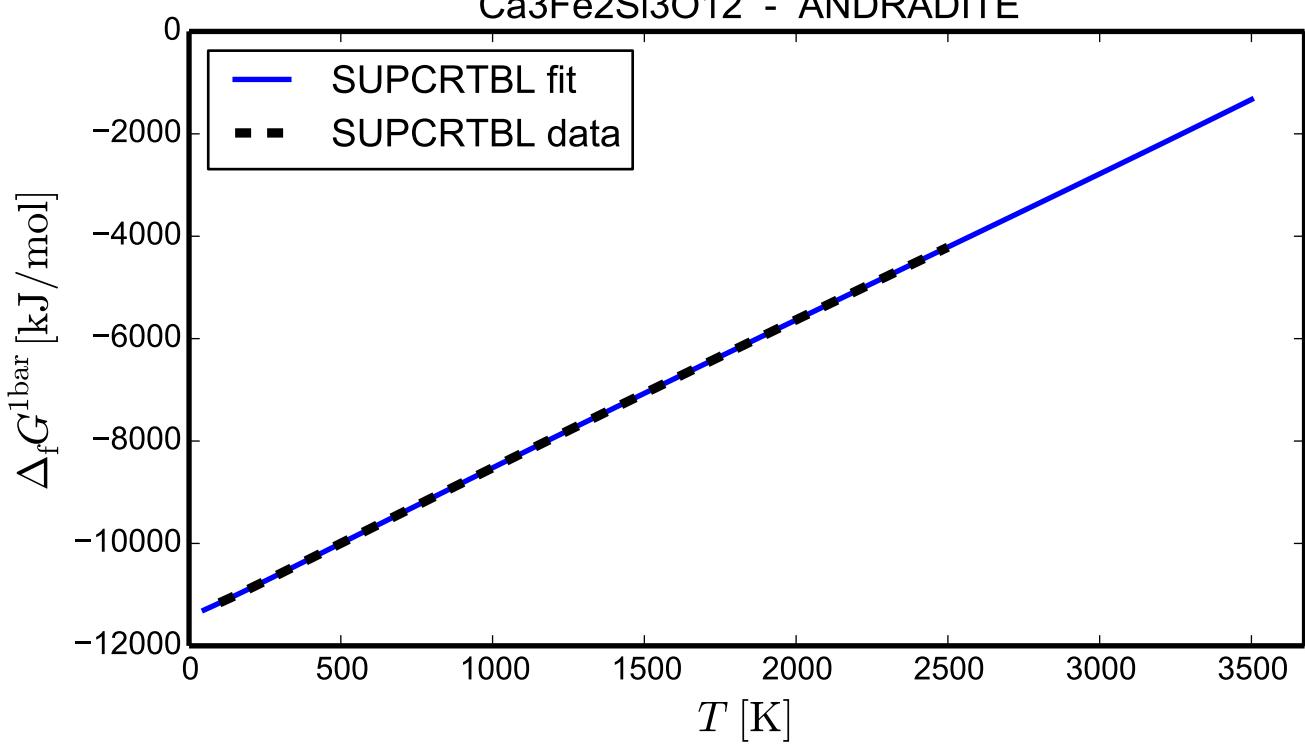
Ca<sub>2</sub>FeAl<sub>2</sub>Si<sub>3</sub>O<sub>13</sub>H - EPIDOTE(ORDERED)



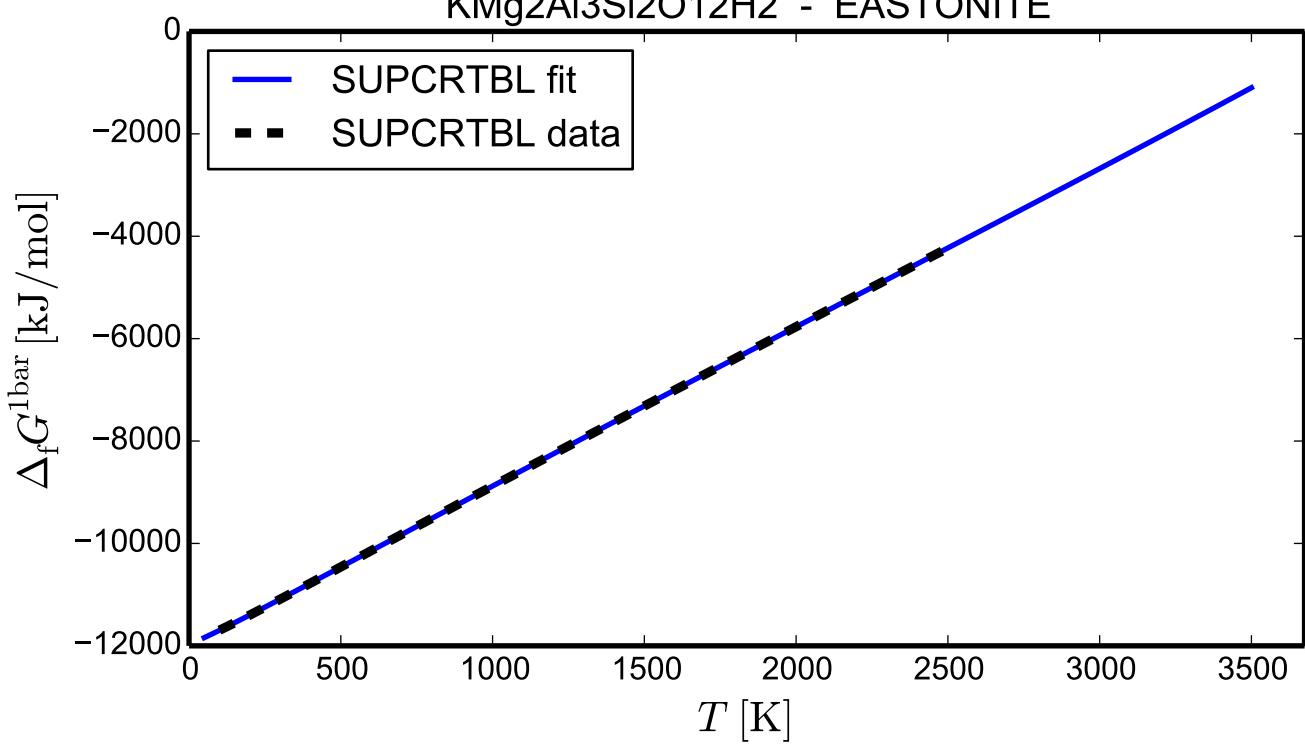
# Ca<sub>5</sub>Si<sub>2</sub>C<sub>2</sub>O<sub>13</sub> - TILLEYITE



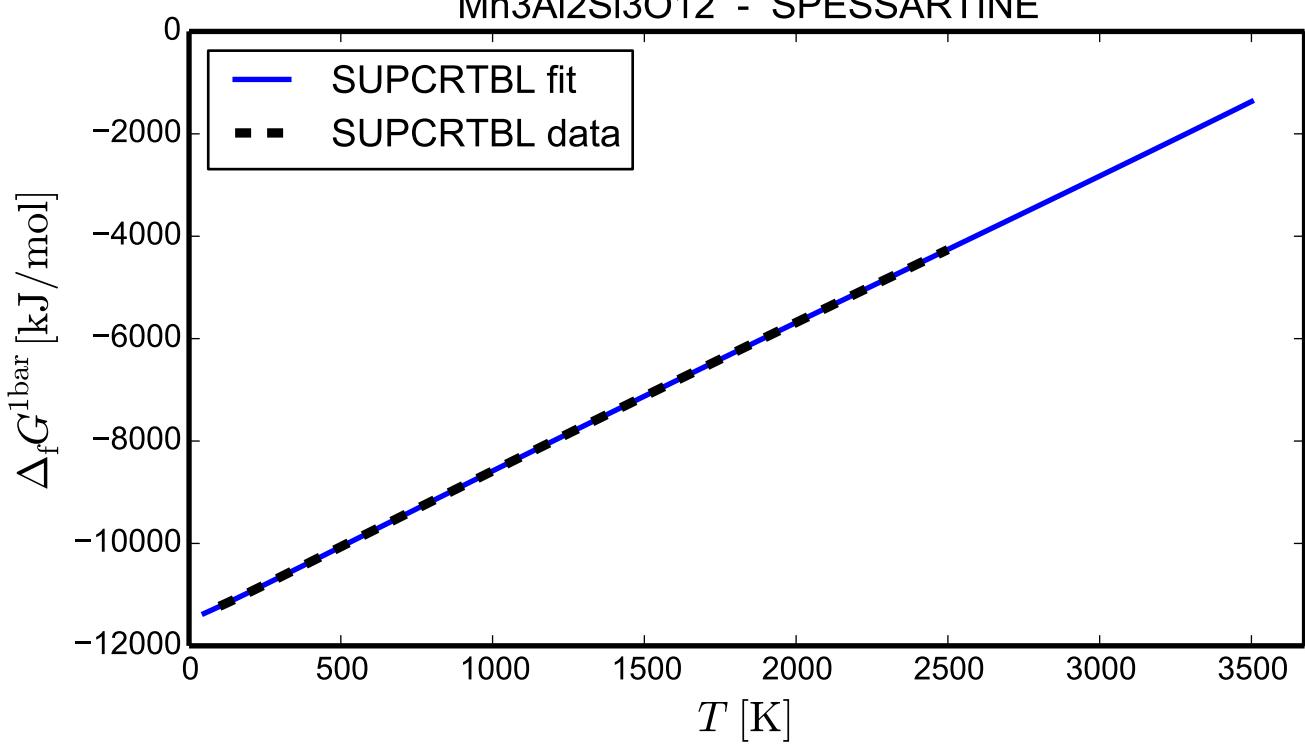
# $\text{Ca}_3\text{Fe}_2\text{Si}_3\text{O}_{12}$ - ANDRADITE



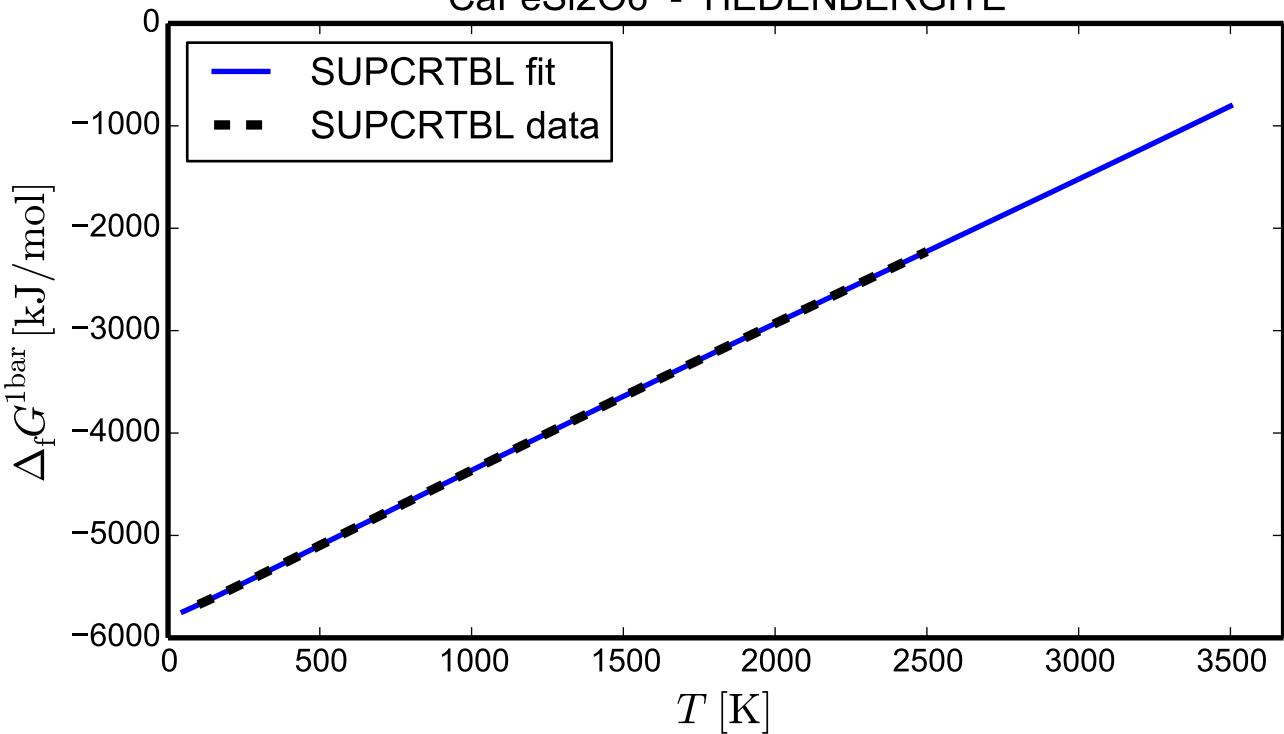
# KMg<sub>2</sub>Al<sub>3</sub>Si<sub>2</sub>O<sub>12</sub>H<sub>2</sub> - EASTONITE



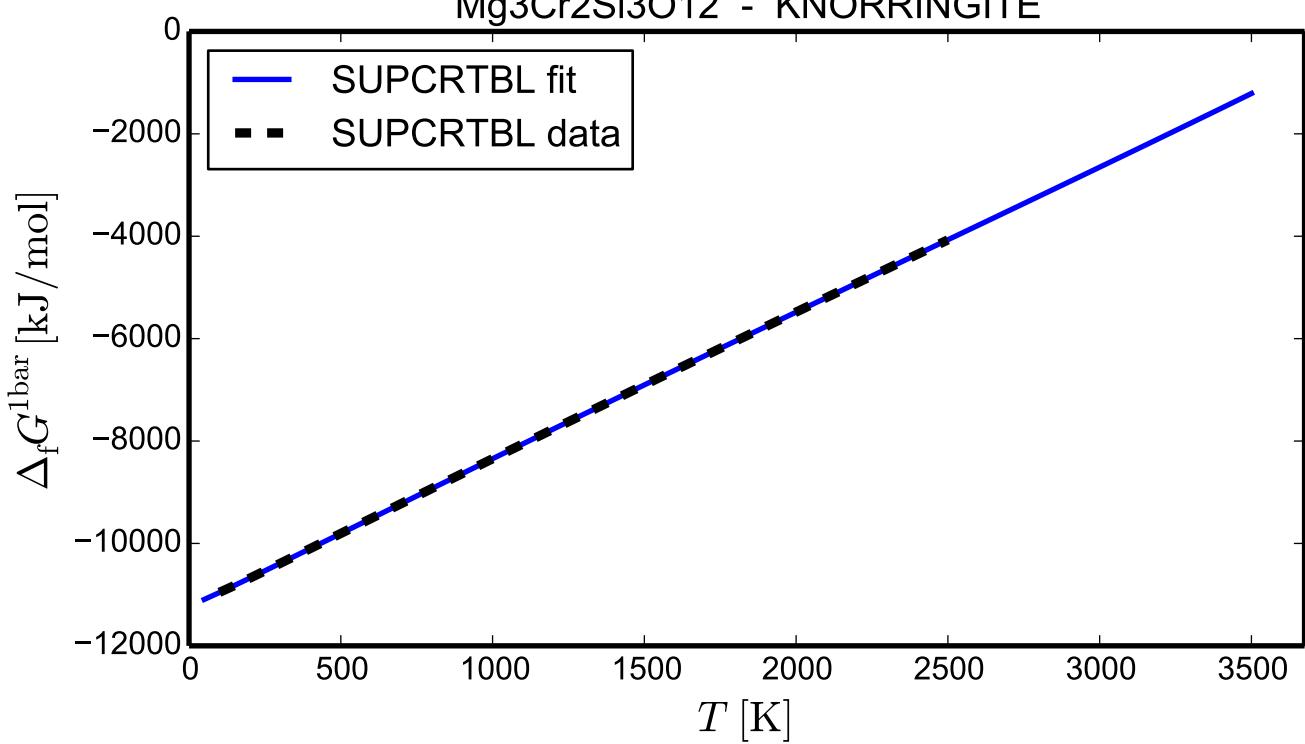
# Mn<sub>3</sub>Al<sub>2</sub>Si<sub>3</sub>O<sub>12</sub> - SPESSARTINE



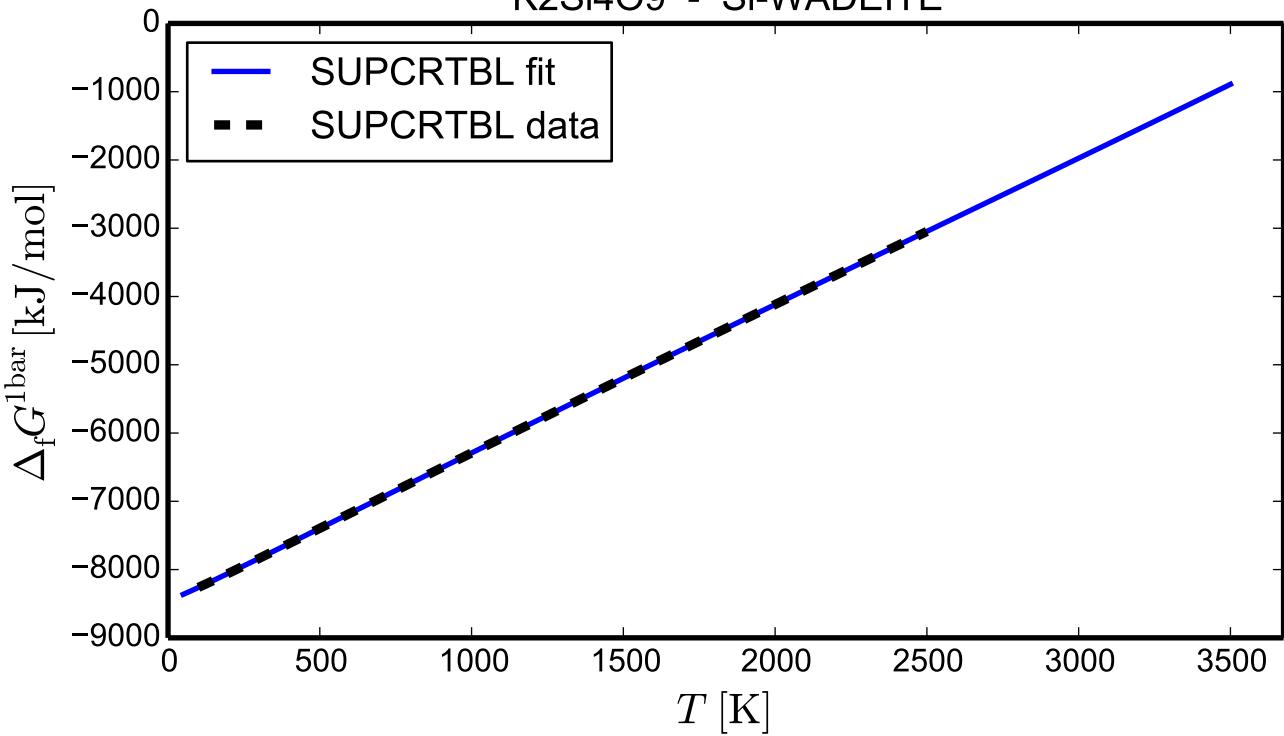
# CaFeSi<sub>2</sub>O<sub>6</sub> - HEDENBERGITE



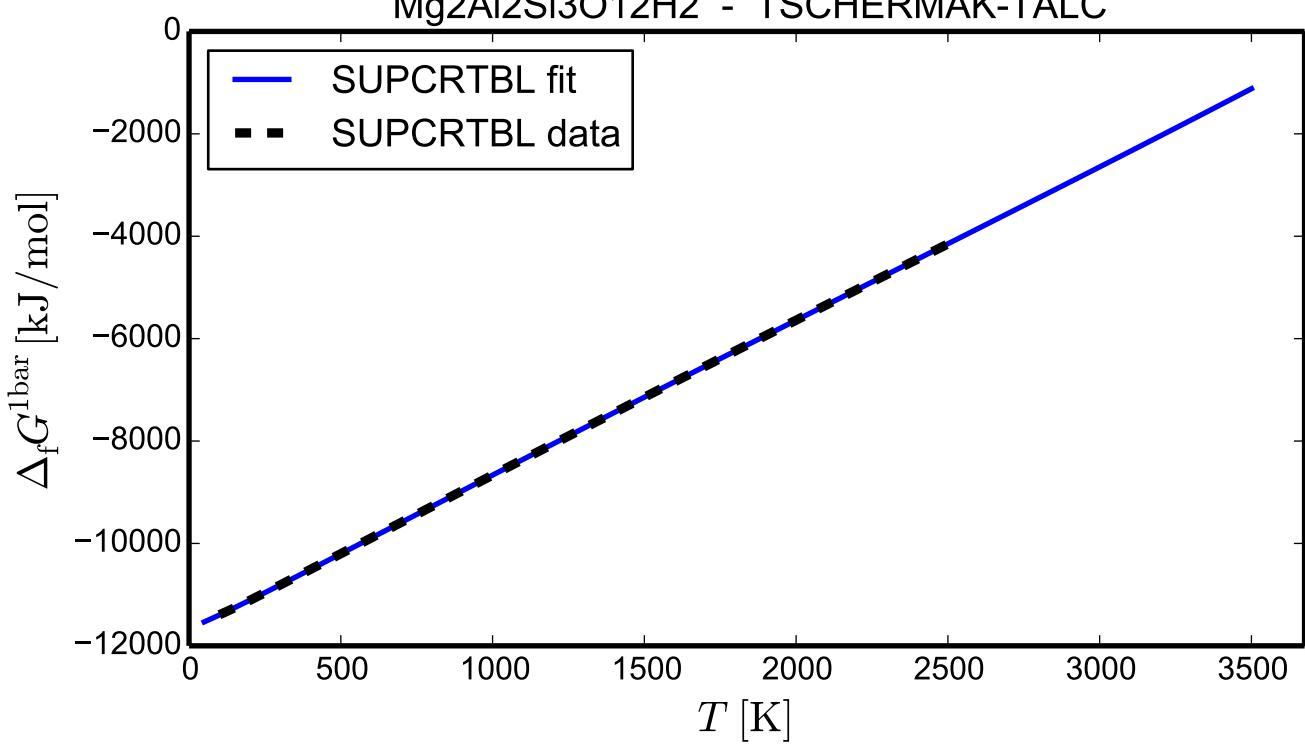
# Mg<sub>3</sub>Cr<sub>2</sub>Si<sub>3</sub>O<sub>12</sub> - KNORRINGITE



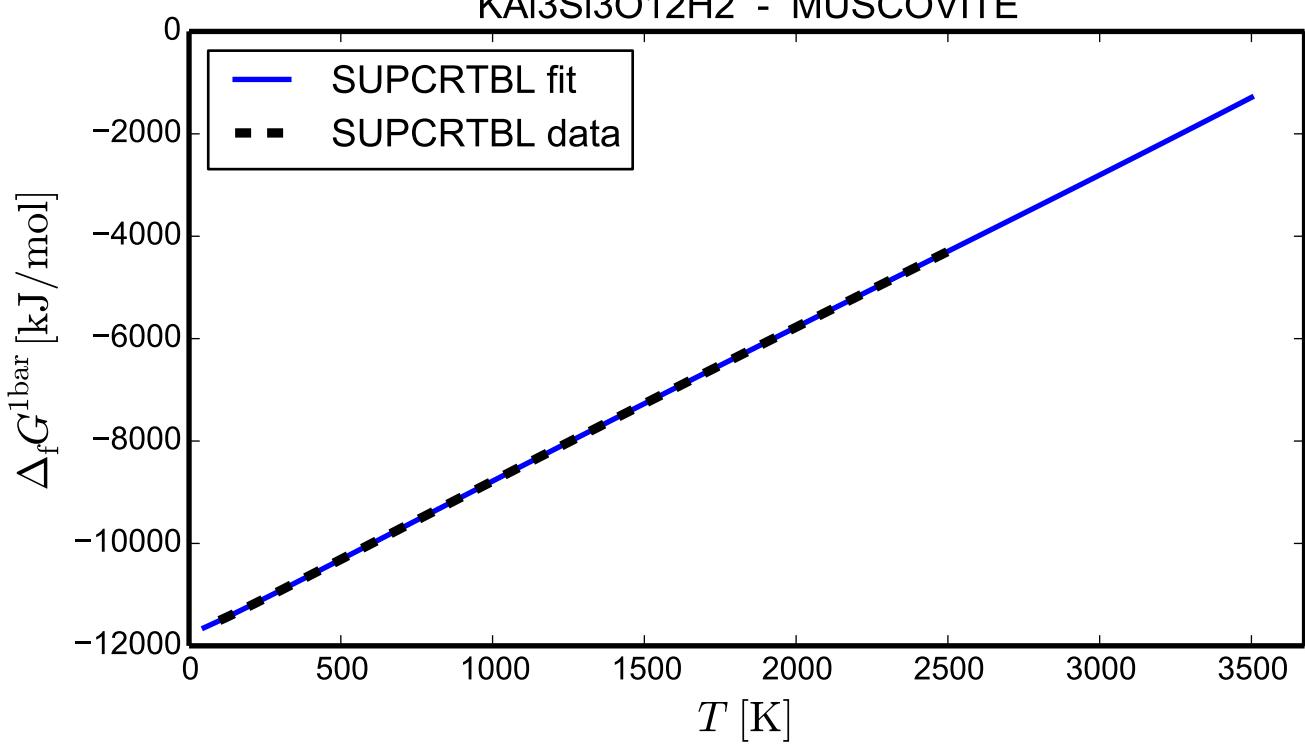
# K<sub>2</sub>Si<sub>4</sub>O<sub>9</sub> - Si-WADEITE



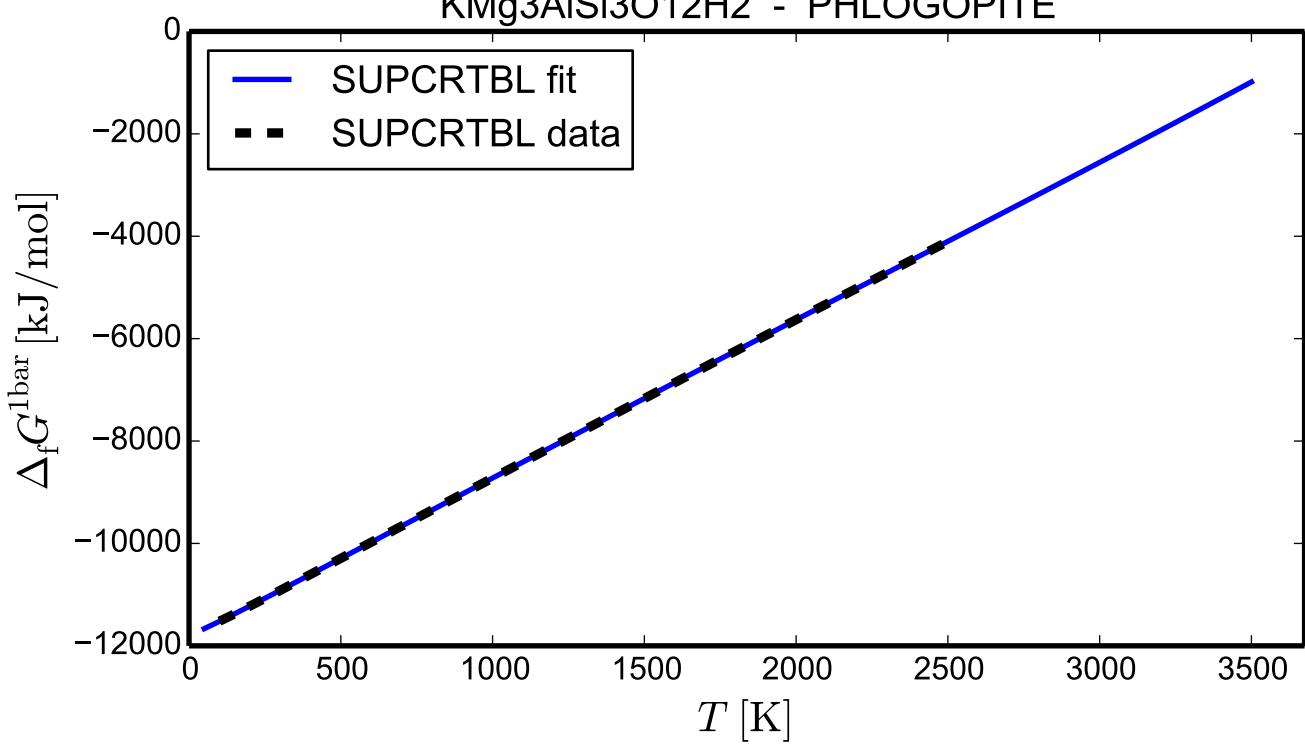
# Mg<sub>2</sub>Al<sub>2</sub>Si<sub>3</sub>O<sub>12</sub>H<sub>2</sub> - TSCHERMAK-TALC



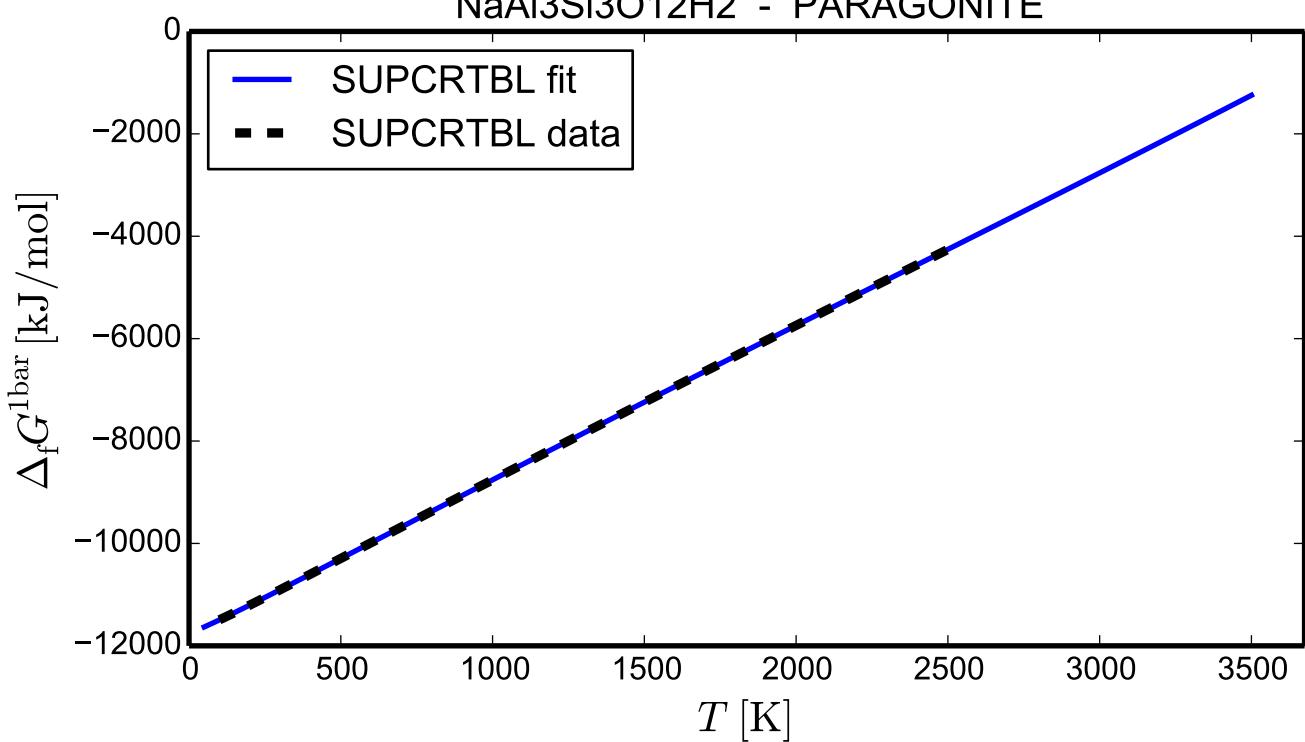
# KAl<sub>3</sub>Si<sub>3</sub>O<sub>12</sub>H<sub>2</sub> - MUSCOVITE



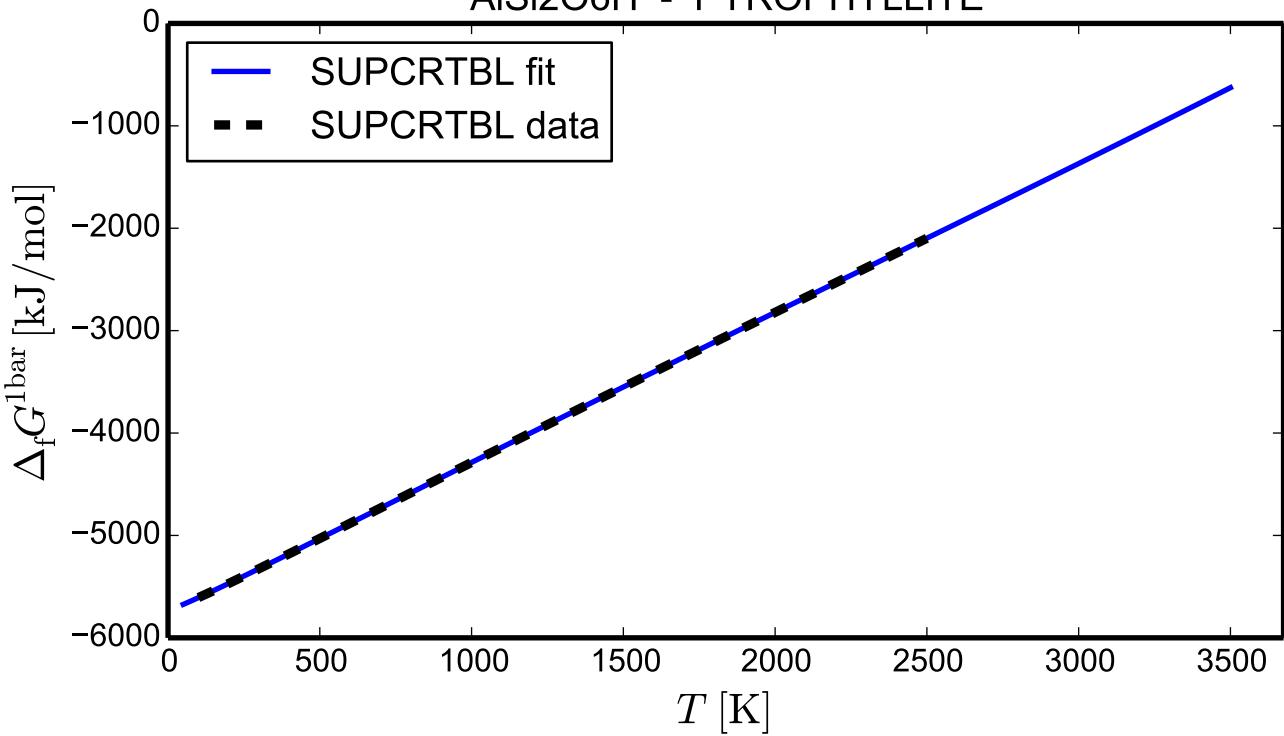
# KMg<sub>3</sub>AlSi<sub>3</sub>O<sub>12</sub>H<sub>2</sub> - PHLOGOPITE



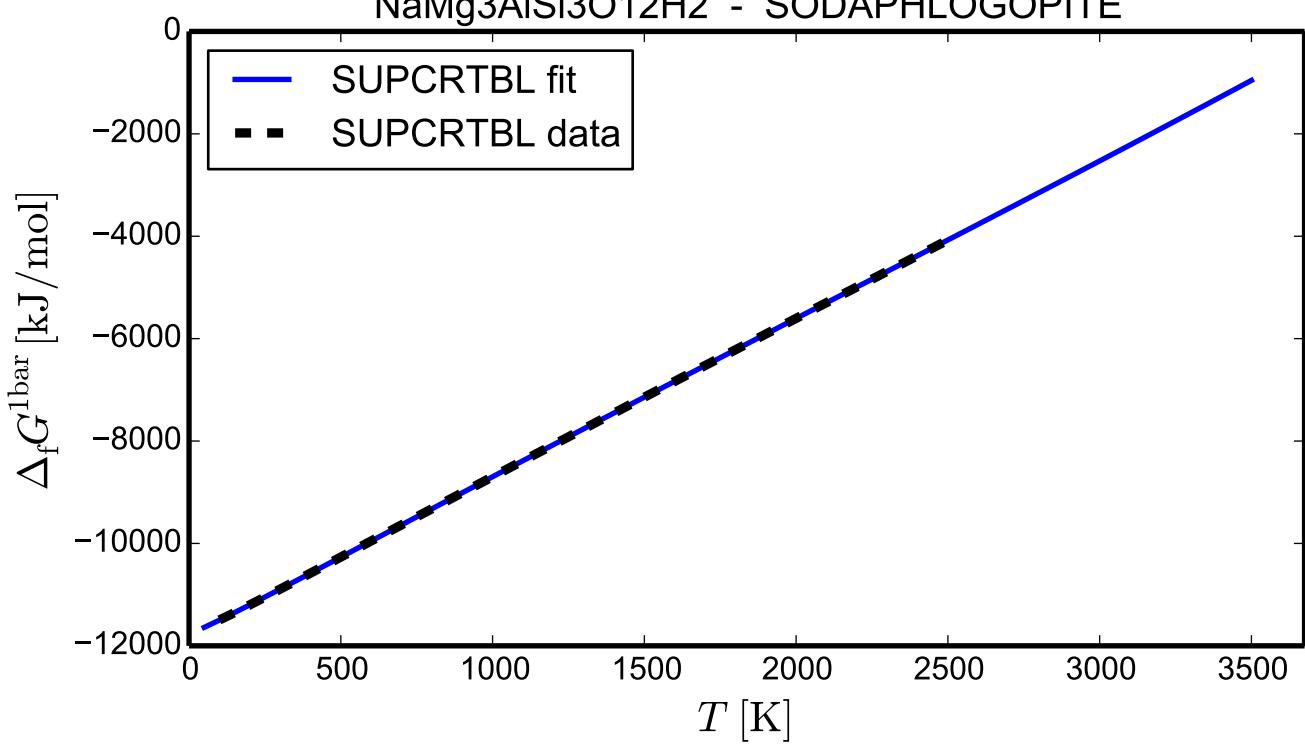
# NaAl<sub>3</sub>Si<sub>3</sub>O<sub>12</sub>H<sub>2</sub> - PARAGONITE



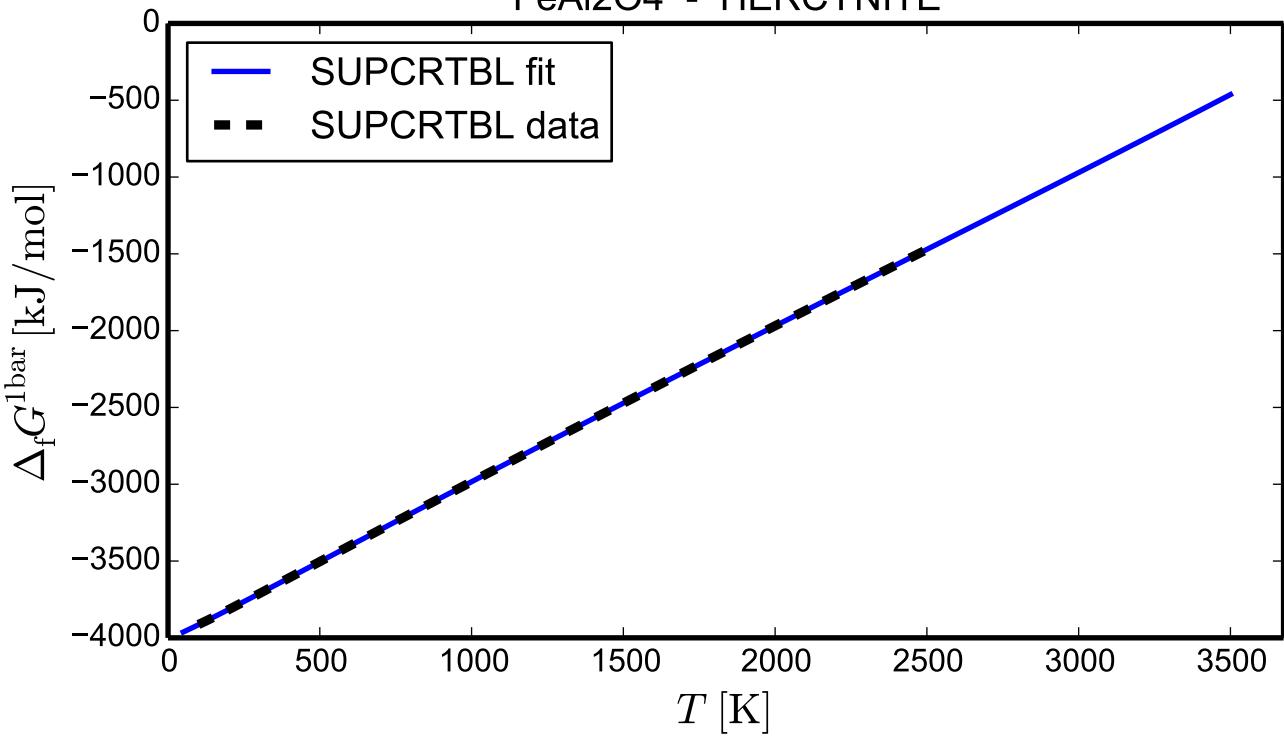
# AISi2O6H - PYROPHYLLITE



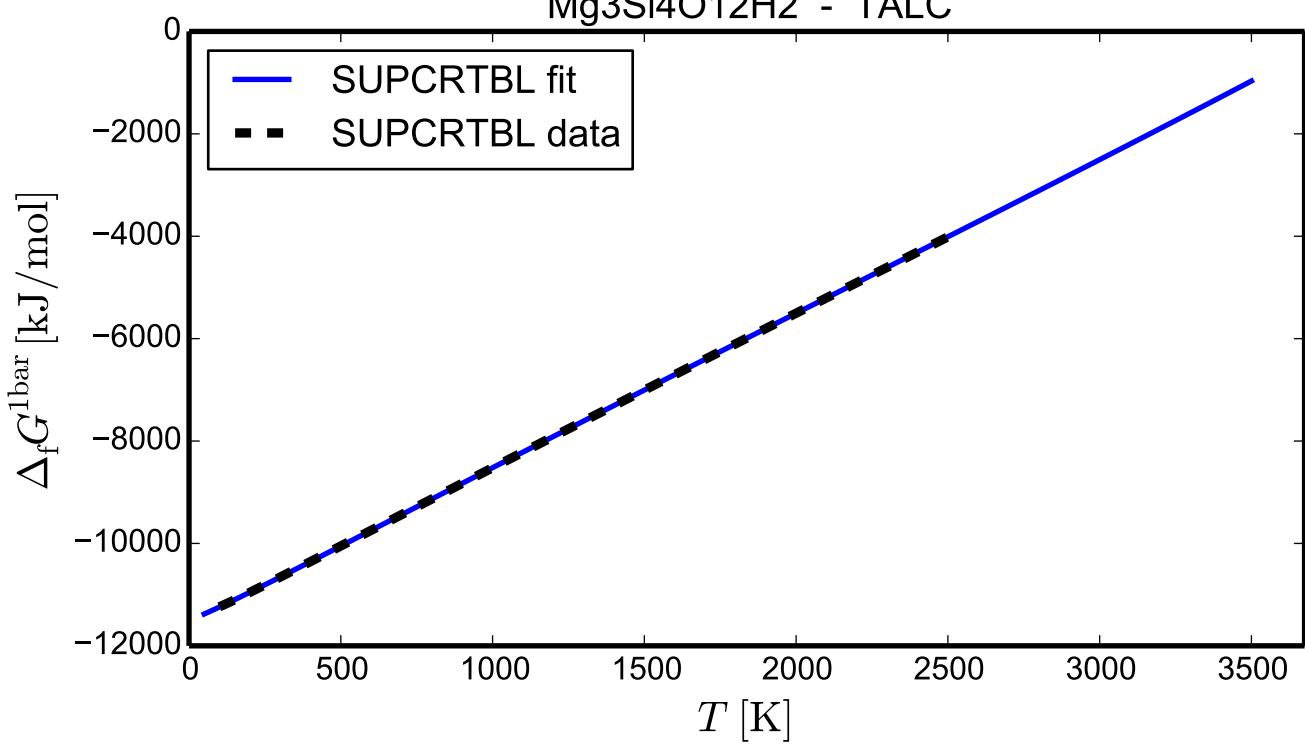
# NaMg<sub>3</sub>AlSi<sub>3</sub>O<sub>12</sub>H<sub>2</sub> - SODAPHLOGOPITE



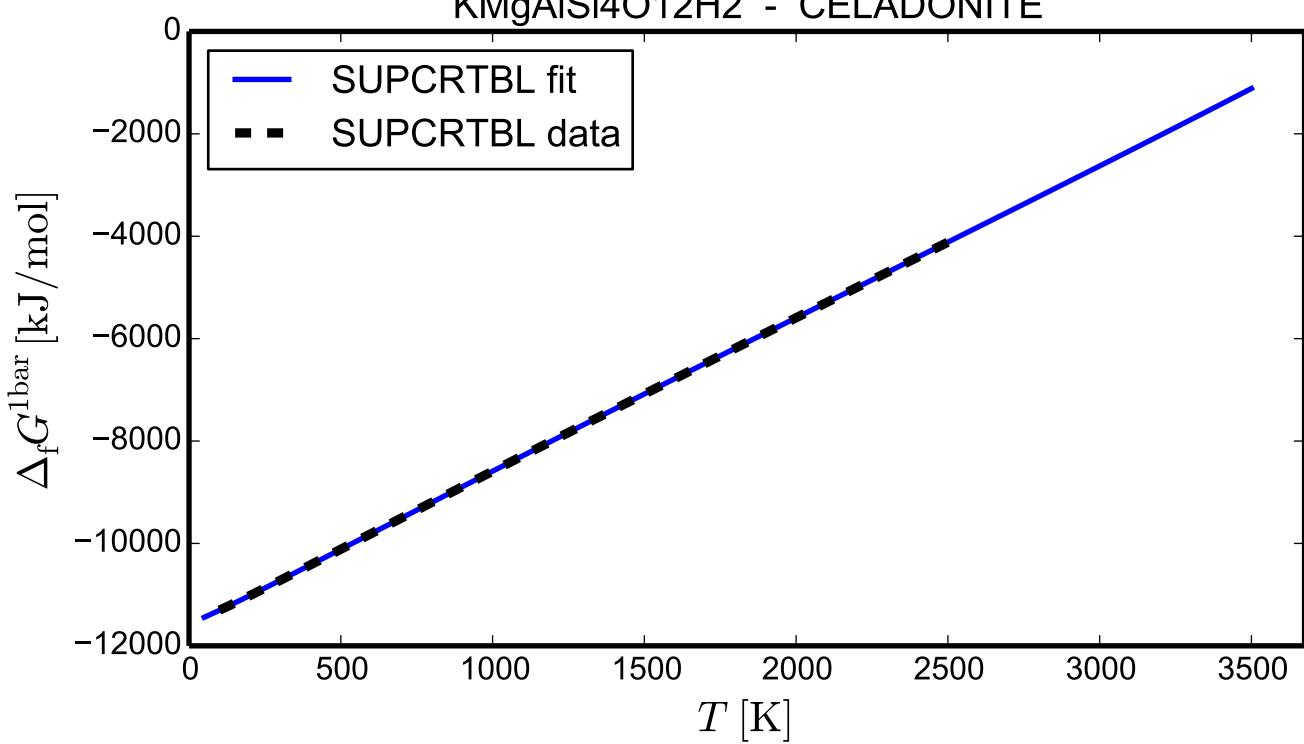
# FeAl<sub>2</sub>O<sub>4</sub> - HERCYNITE



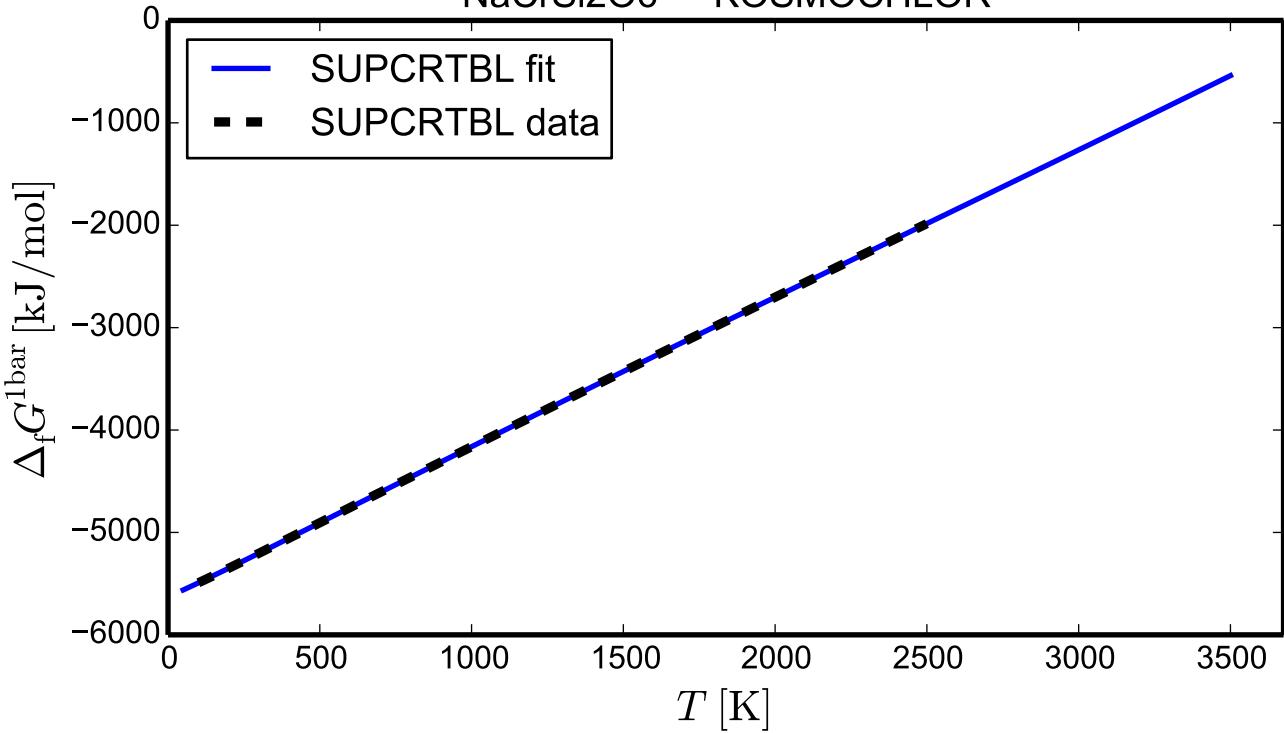
# Mg<sub>3</sub>Si<sub>4</sub>O<sub>12</sub>H<sub>2</sub> - TALC



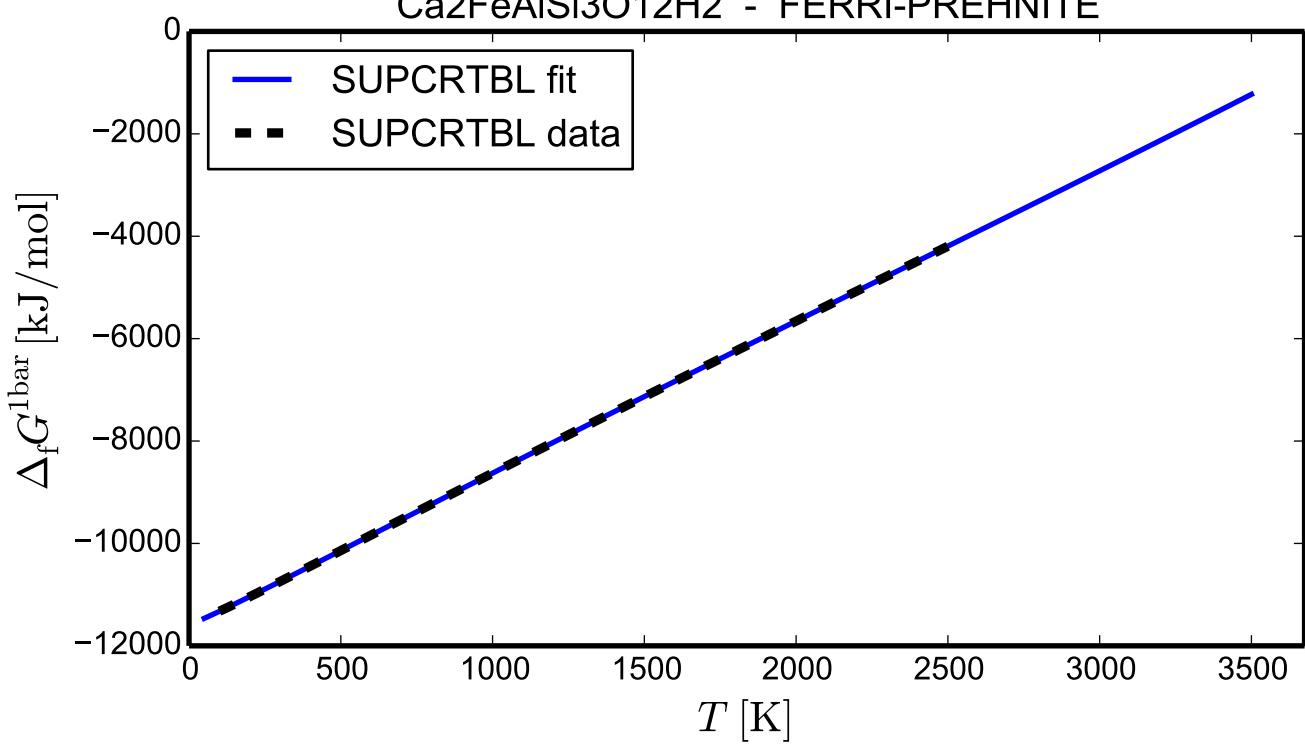
# KMgAlSi<sub>4</sub>O<sub>12</sub>H<sub>2</sub> - CELADONITE



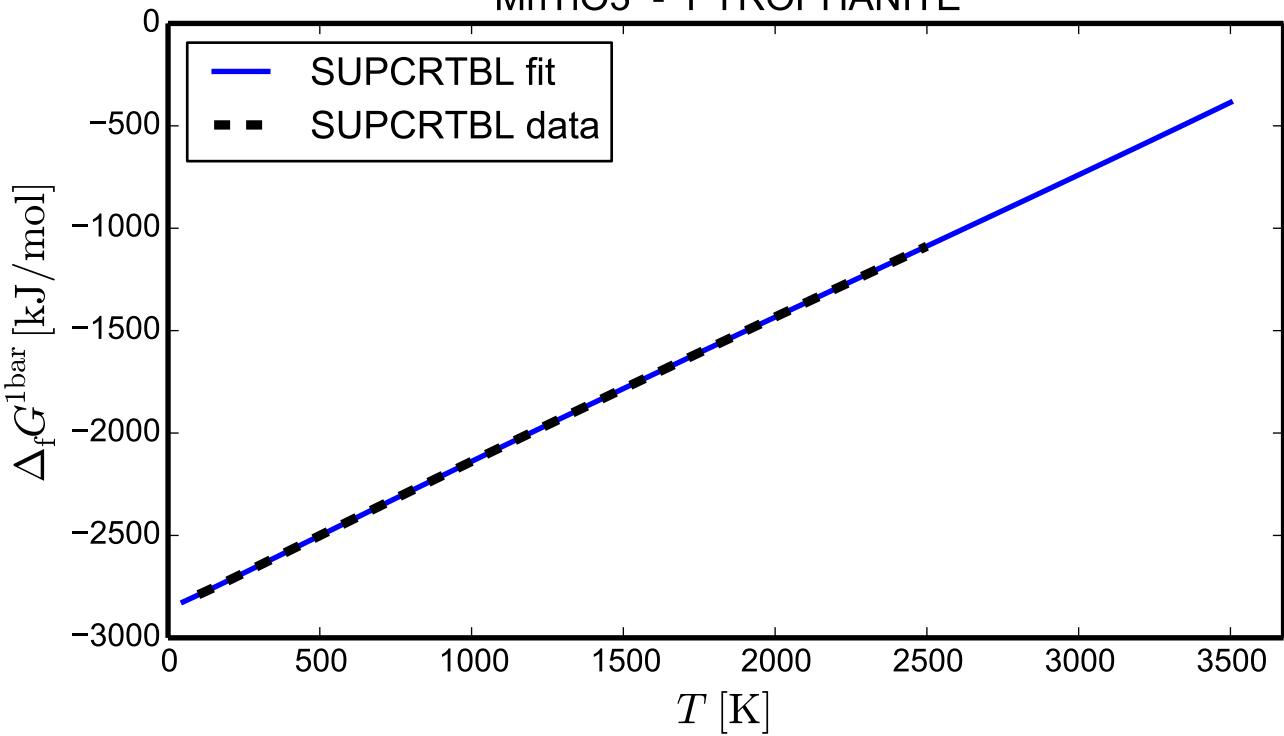
# NaCrSi<sub>2</sub>O<sub>6</sub> - KOSMOCHLOR



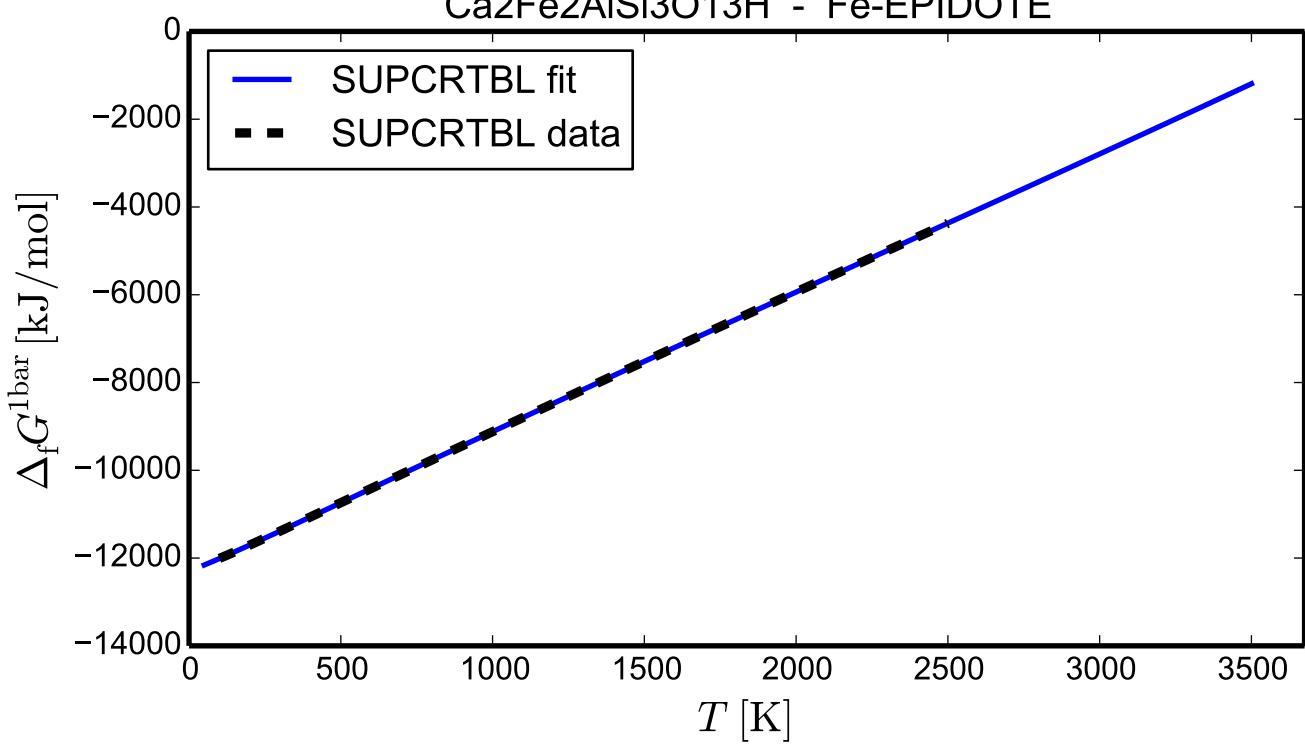
Ca<sub>2</sub>FeAlSi<sub>3</sub>O<sub>12</sub>H<sub>2</sub> - FERRI-PREHNITE



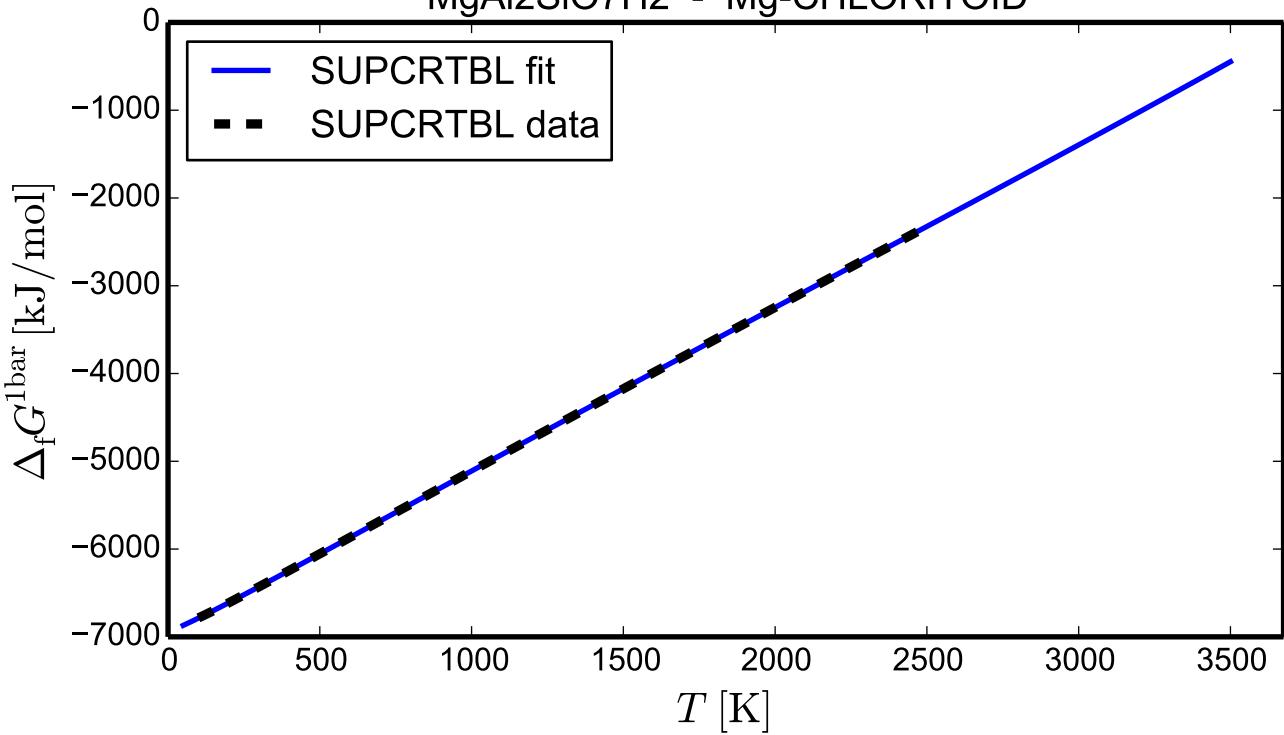
# MnTiO<sub>3</sub> - PYROPHANITE



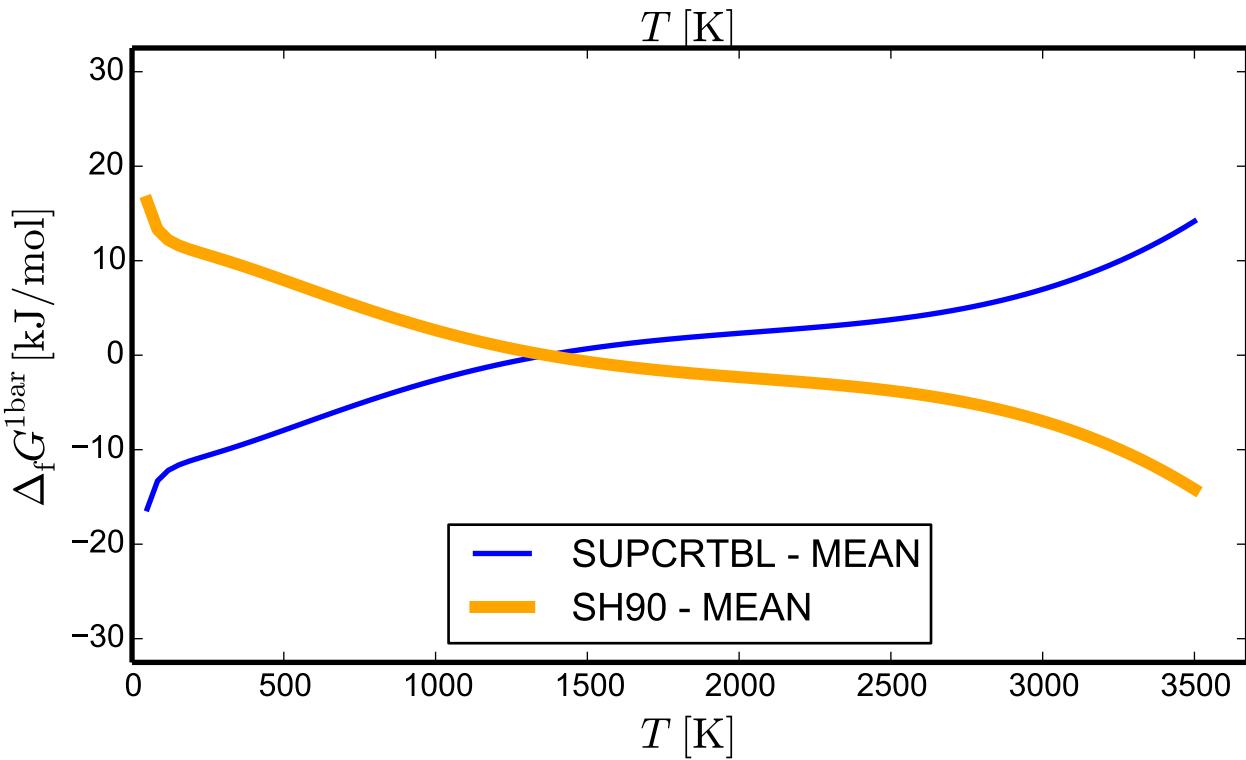
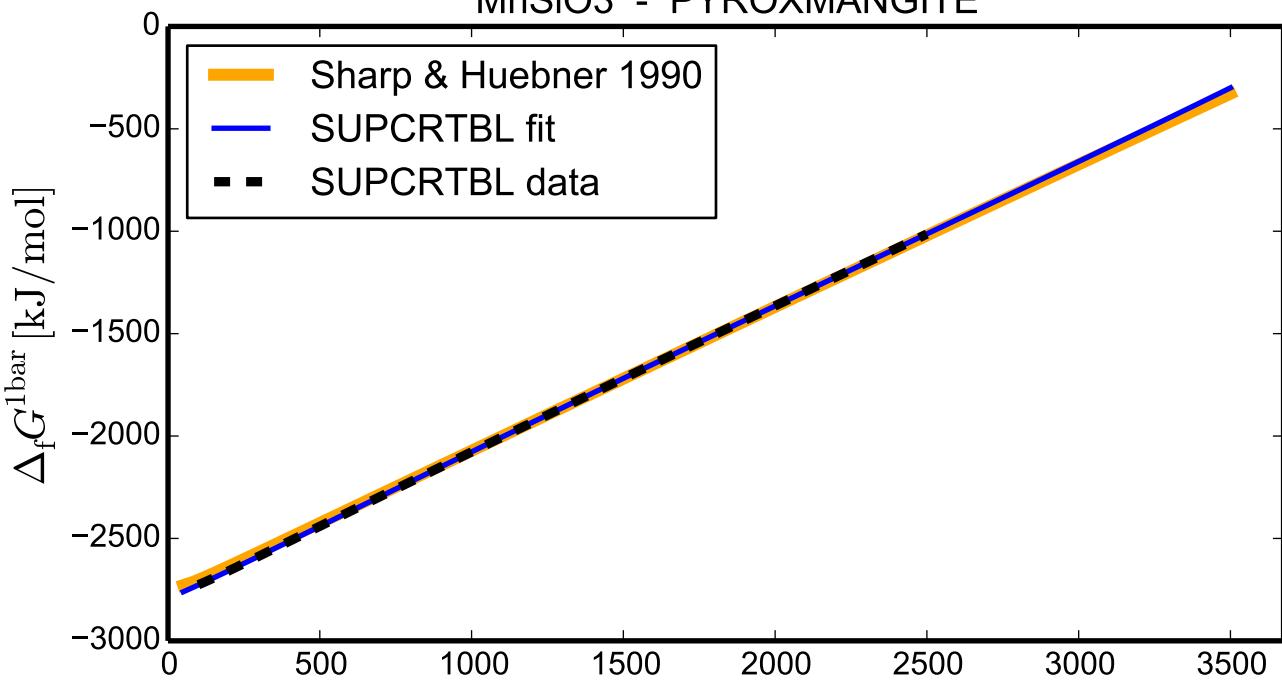
# Ca<sub>2</sub>Fe<sub>2</sub>AlSi<sub>3</sub>O<sub>13</sub>H - Fe-EPIDOTE



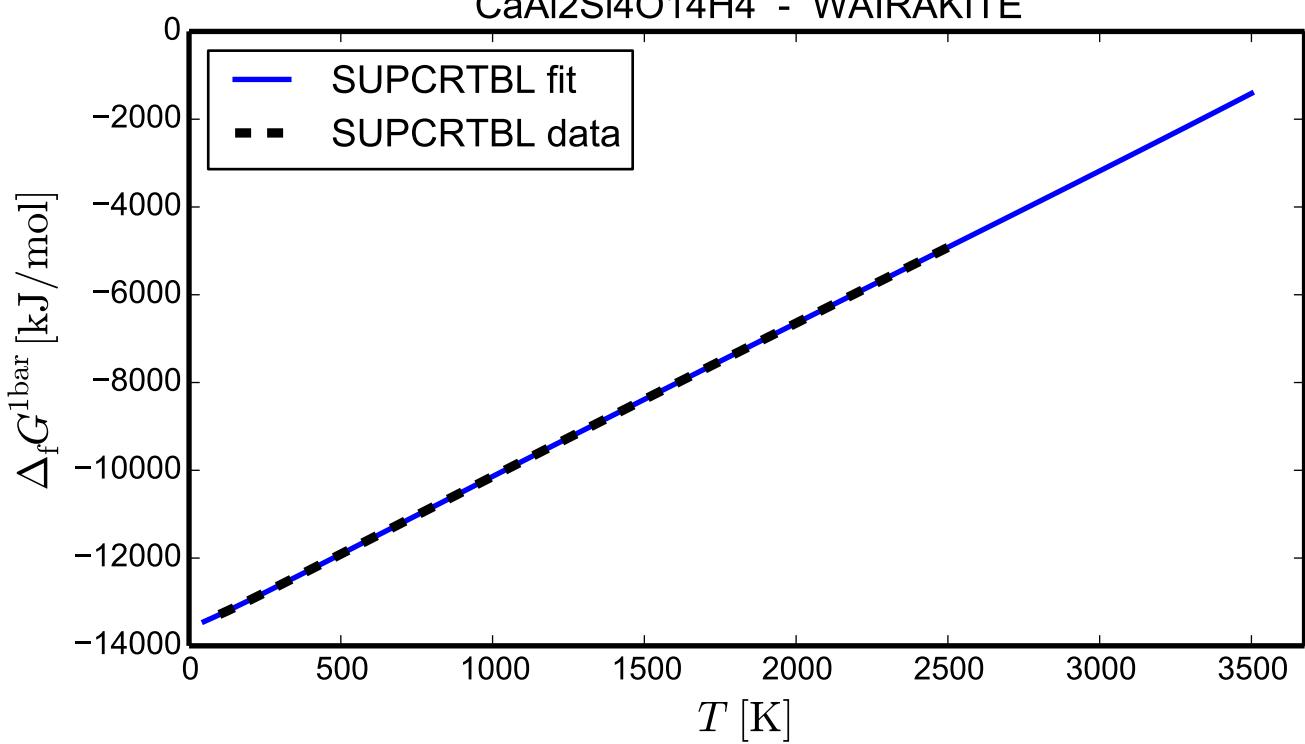
# MgAl<sub>2</sub>SiO<sub>7</sub>H<sub>2</sub> - Mg-CHLORITOID

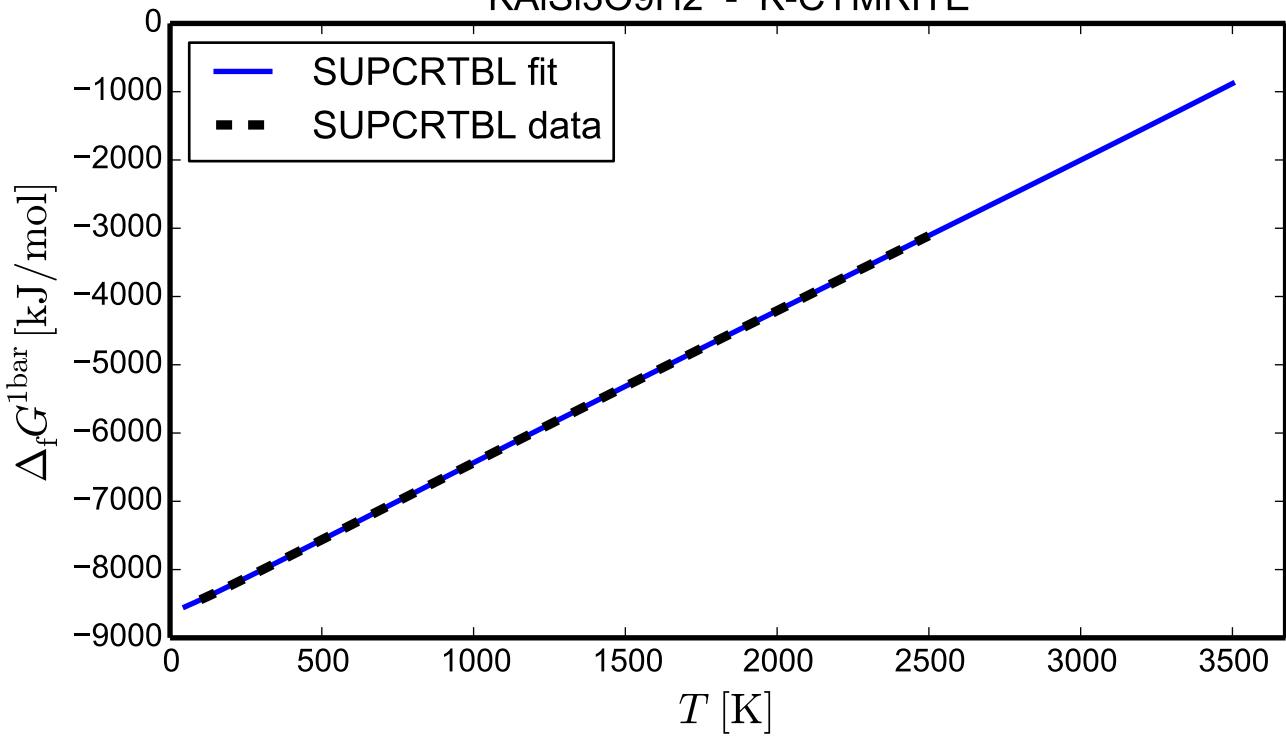


# MnSiO<sub>3</sub> - PYROXMANGITE

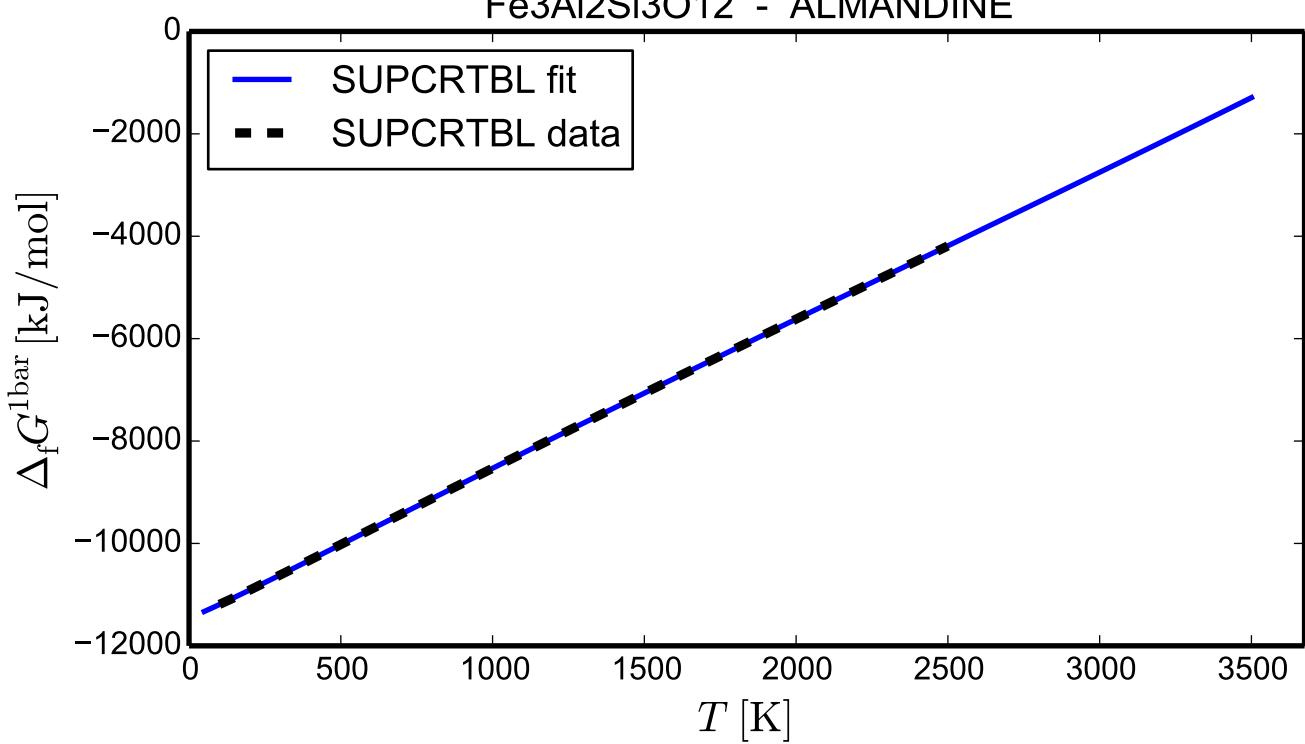


# CaAl<sub>2</sub>Si<sub>4</sub>O<sub>14</sub>H<sub>4</sub> - WAIRAKITE

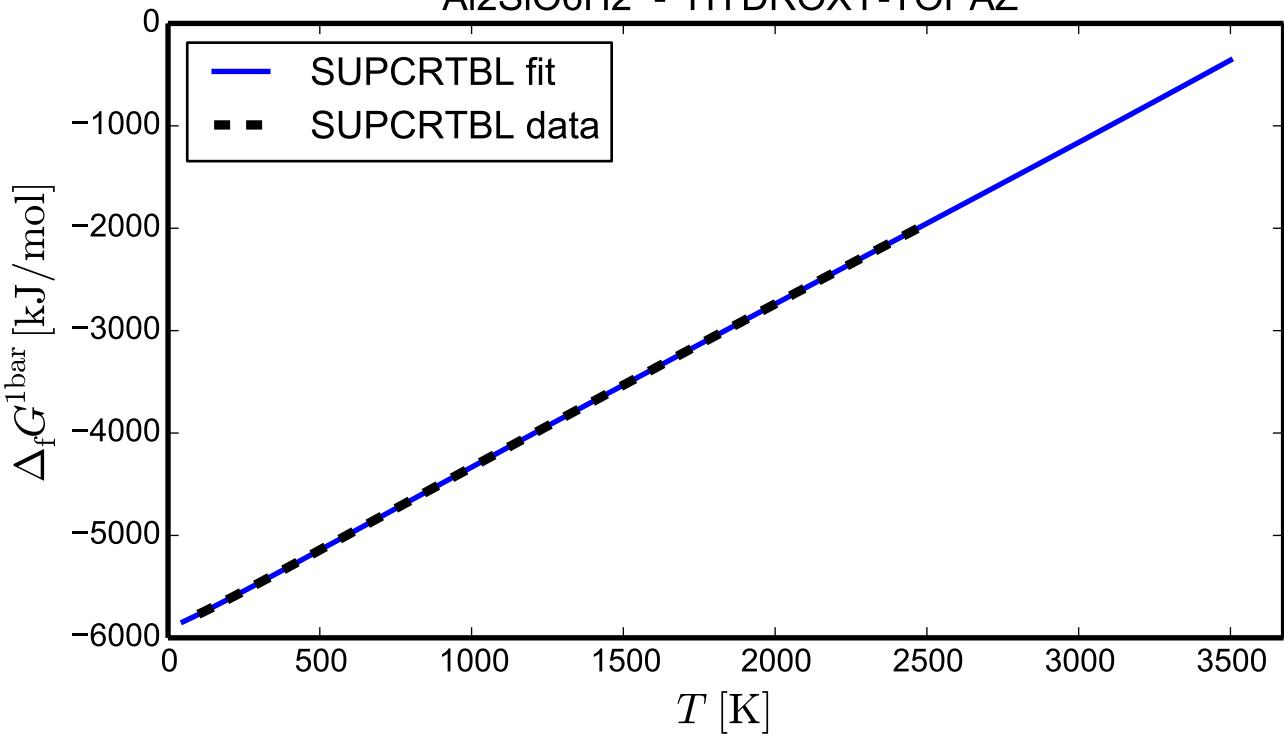


KAISi<sub>3</sub>O<sub>9</sub>H<sub>2</sub> - K-CYMRITE

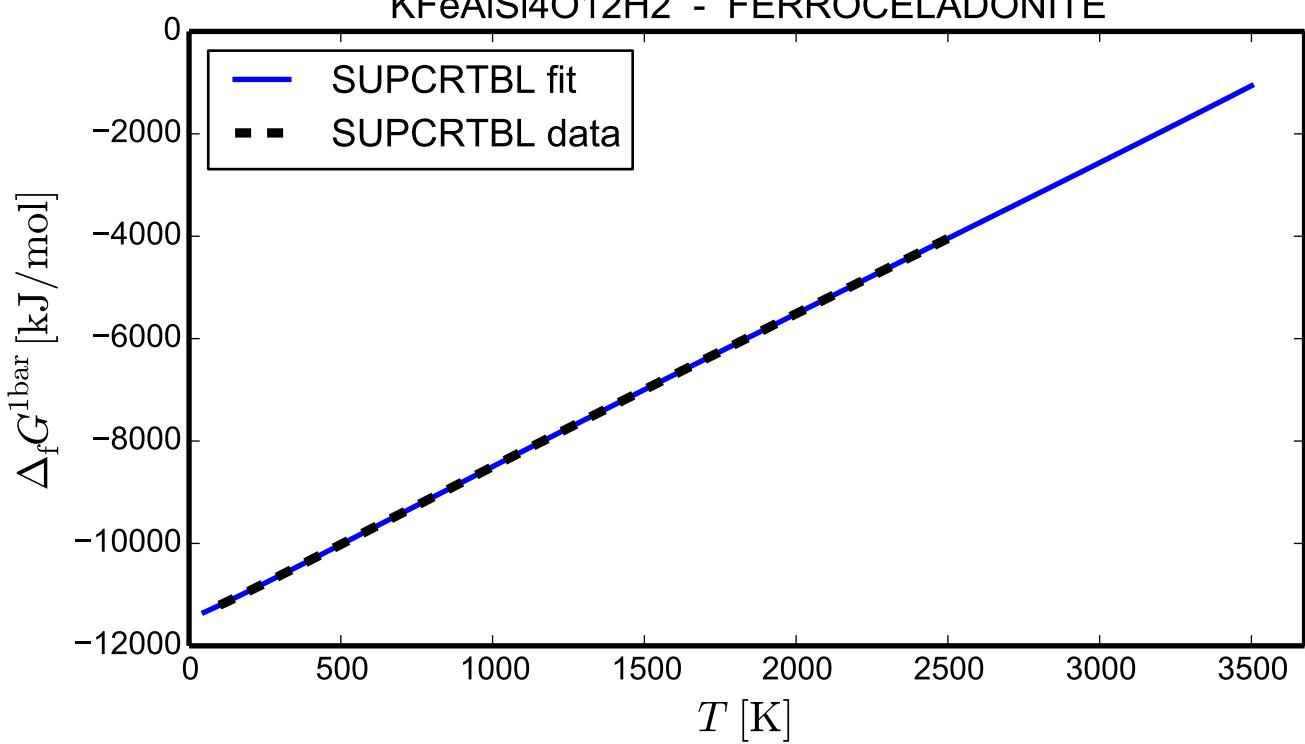
# Fe<sub>3</sub>Al<sub>2</sub>Si<sub>3</sub>O<sub>12</sub> - ALMANDINE



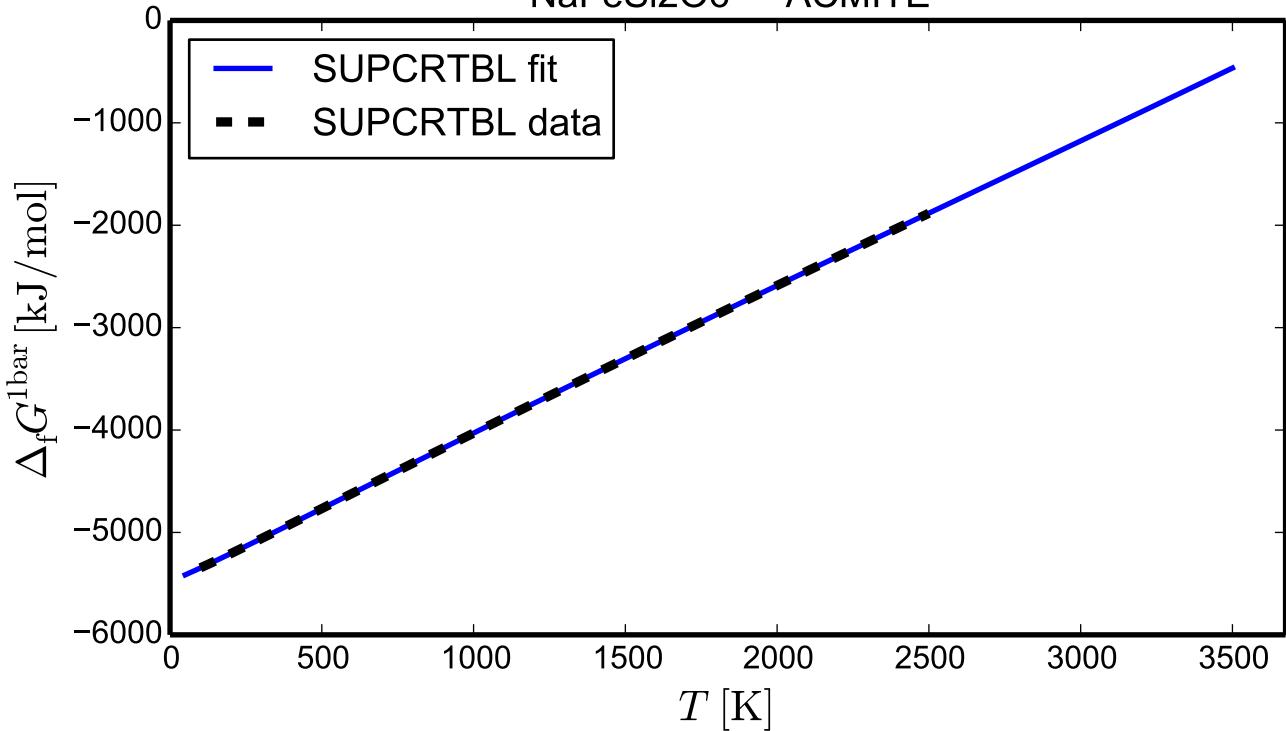
Al<sub>2</sub>SiO<sub>6</sub>H<sub>2</sub> - HYDROXY-TOPAZ



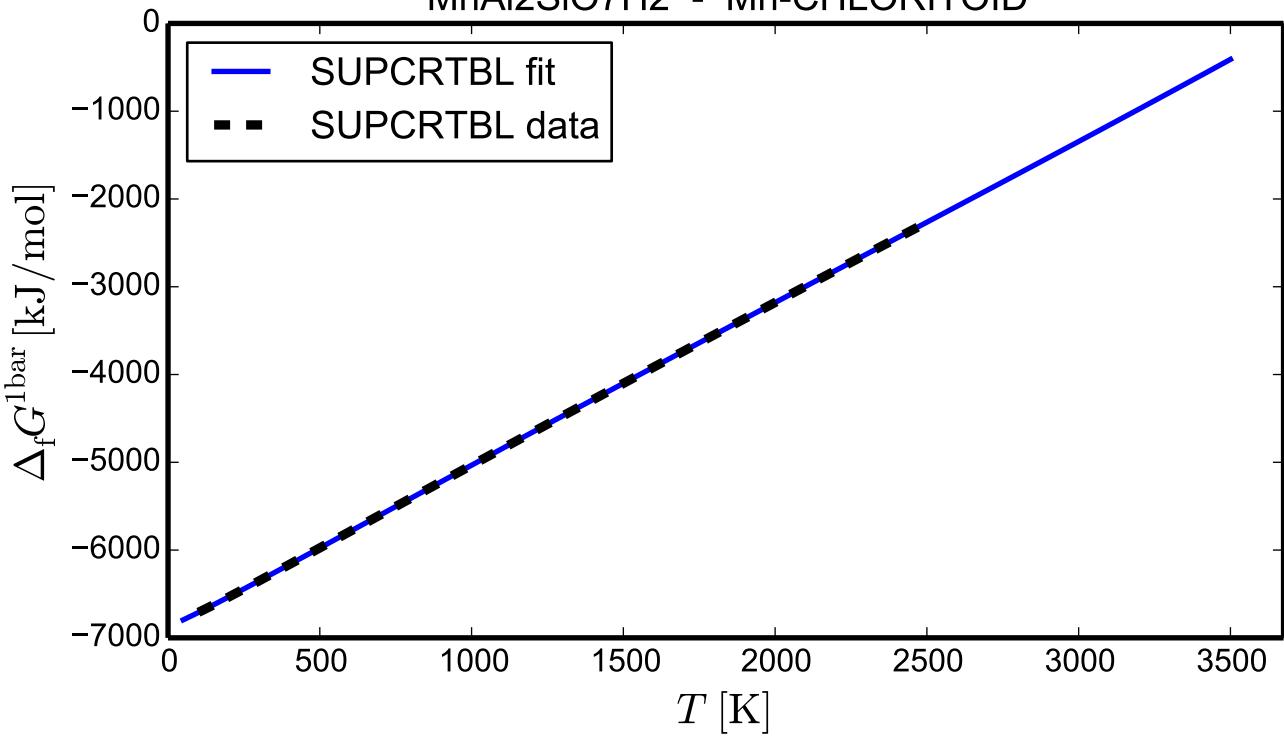
# KFeAlSi<sub>4</sub>O<sub>12</sub>H<sub>2</sub> - FERROCELADONITE



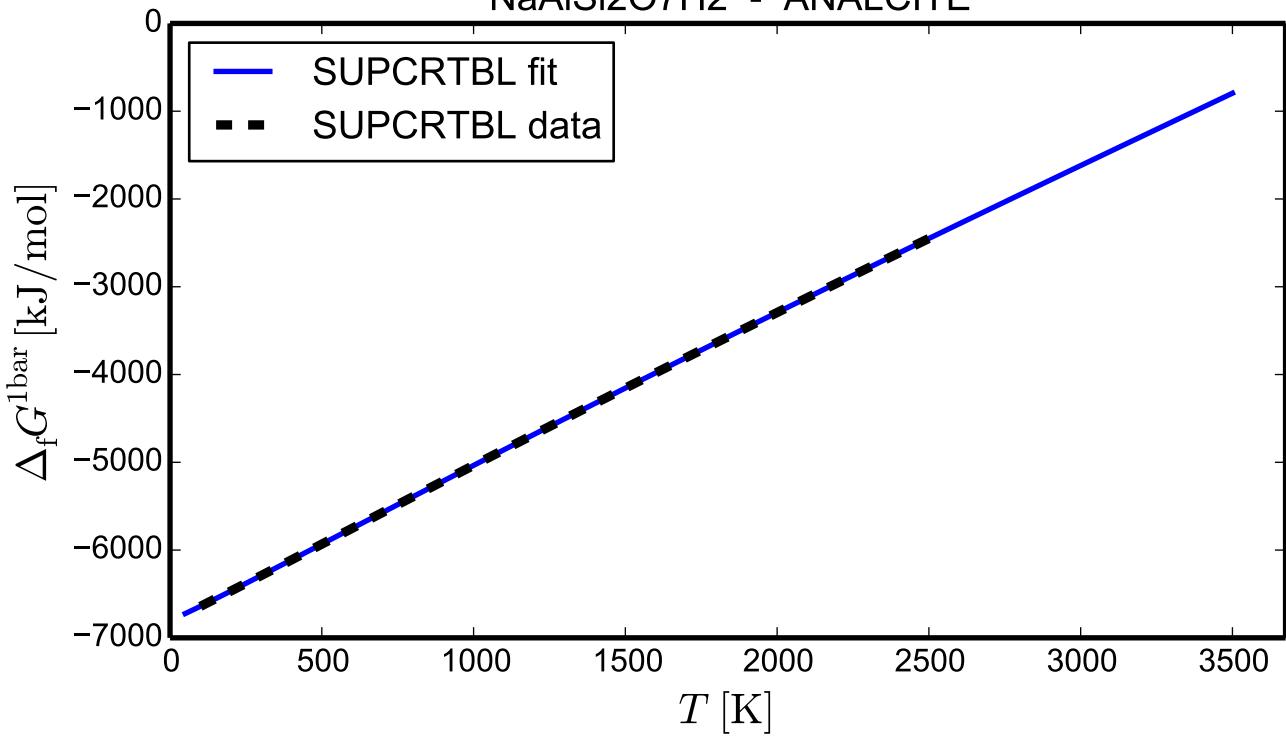
# NaFeSi<sub>2</sub>O<sub>6</sub> - ACMITE



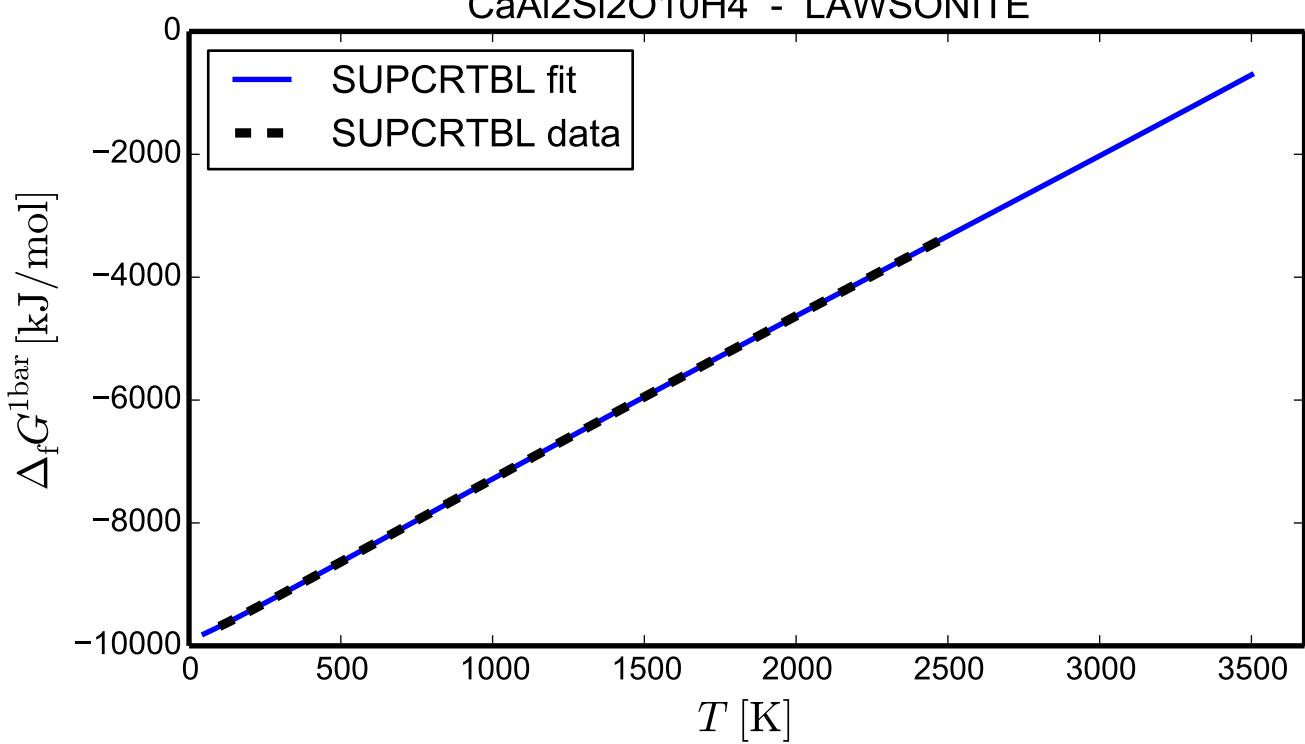
MnAl<sub>2</sub>SiO<sub>7</sub>H<sub>2</sub> - Mn-CHLORITOID



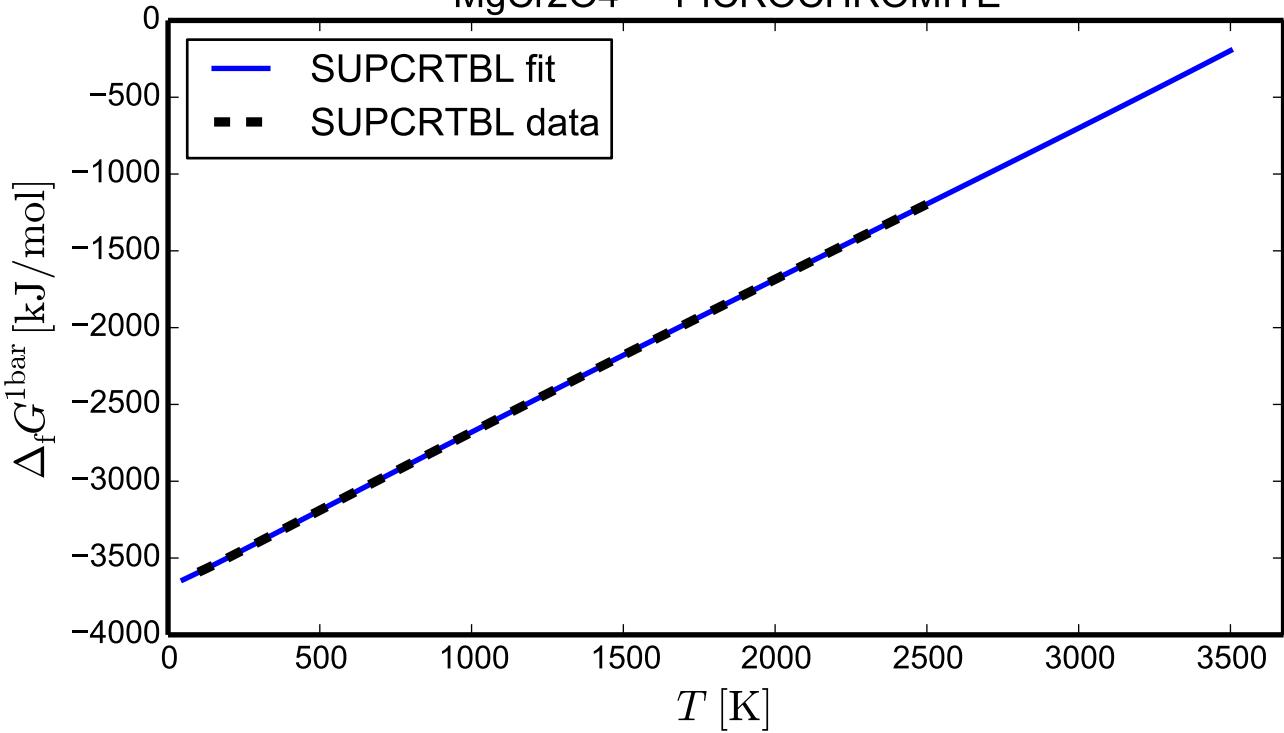
# NaAlSi2O7H2 - ANALCITE



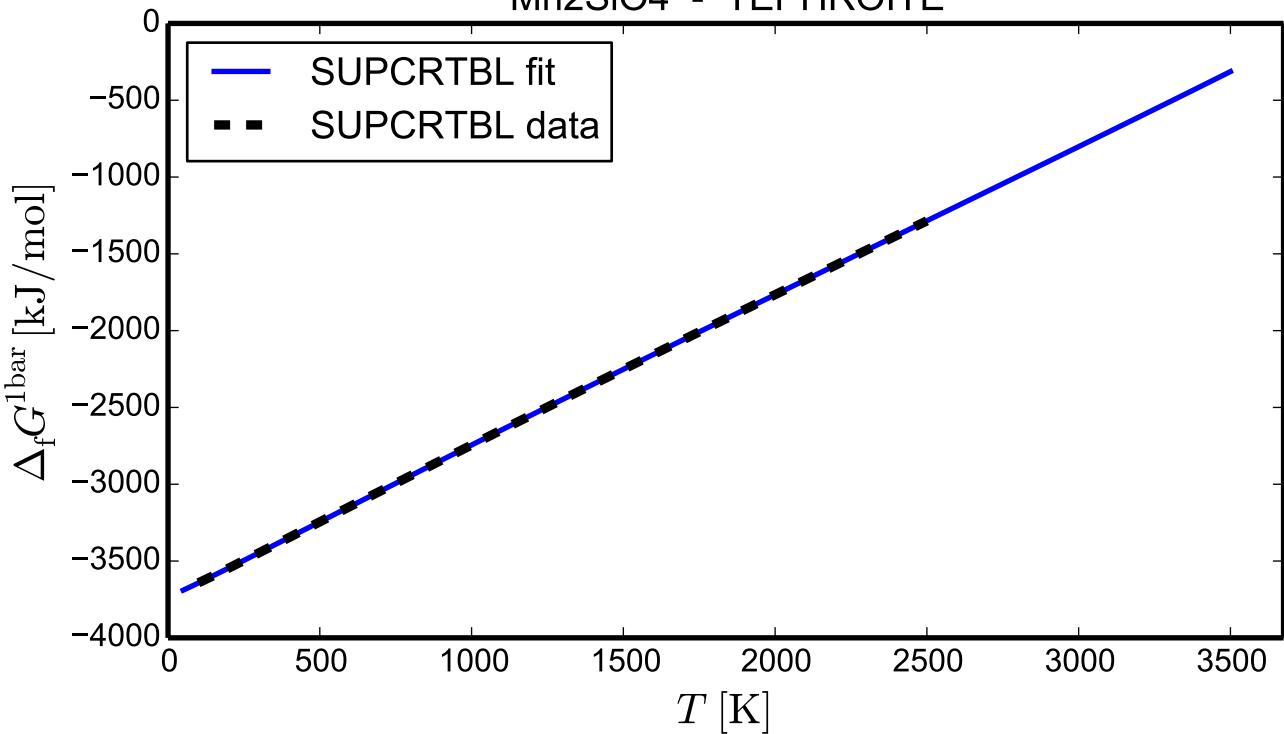
# CaAl<sub>2</sub>Si<sub>2</sub>O<sub>10</sub>H<sub>4</sub> - LAWSONITE



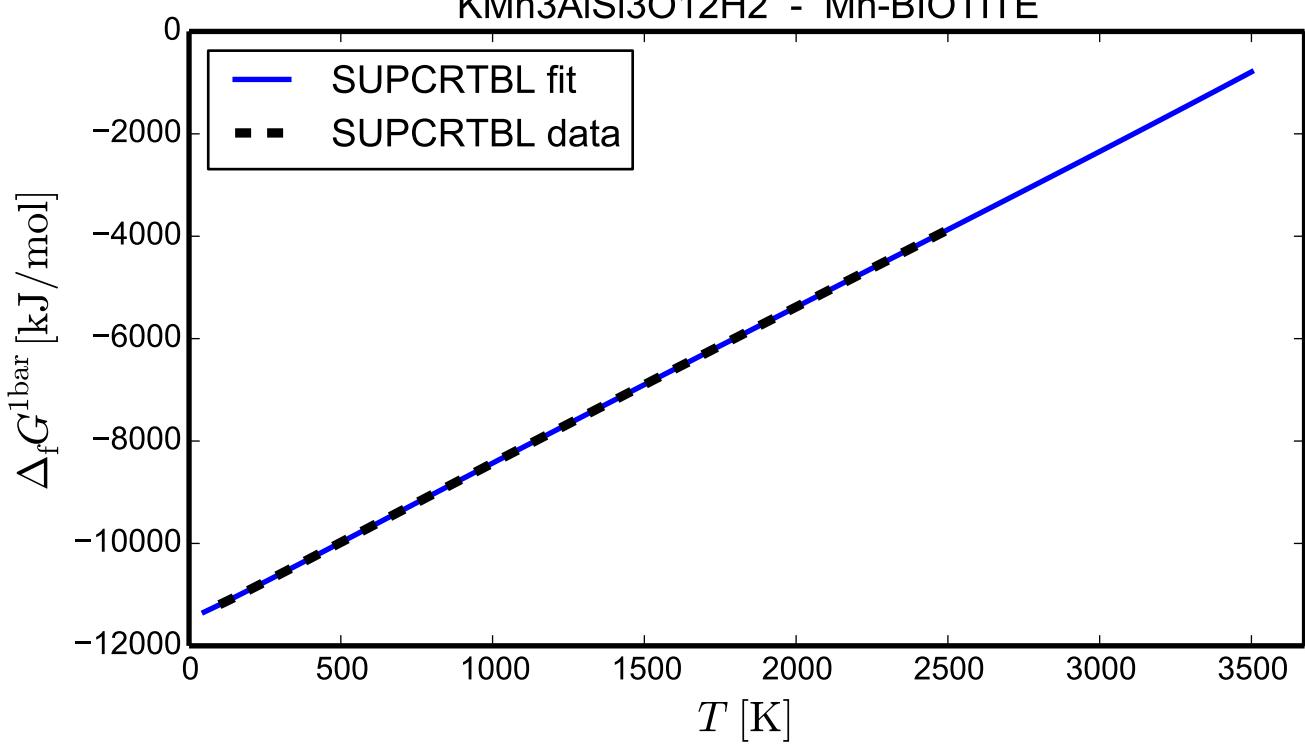
# MgCr<sub>2</sub>O<sub>4</sub> - PICROCHROMITE



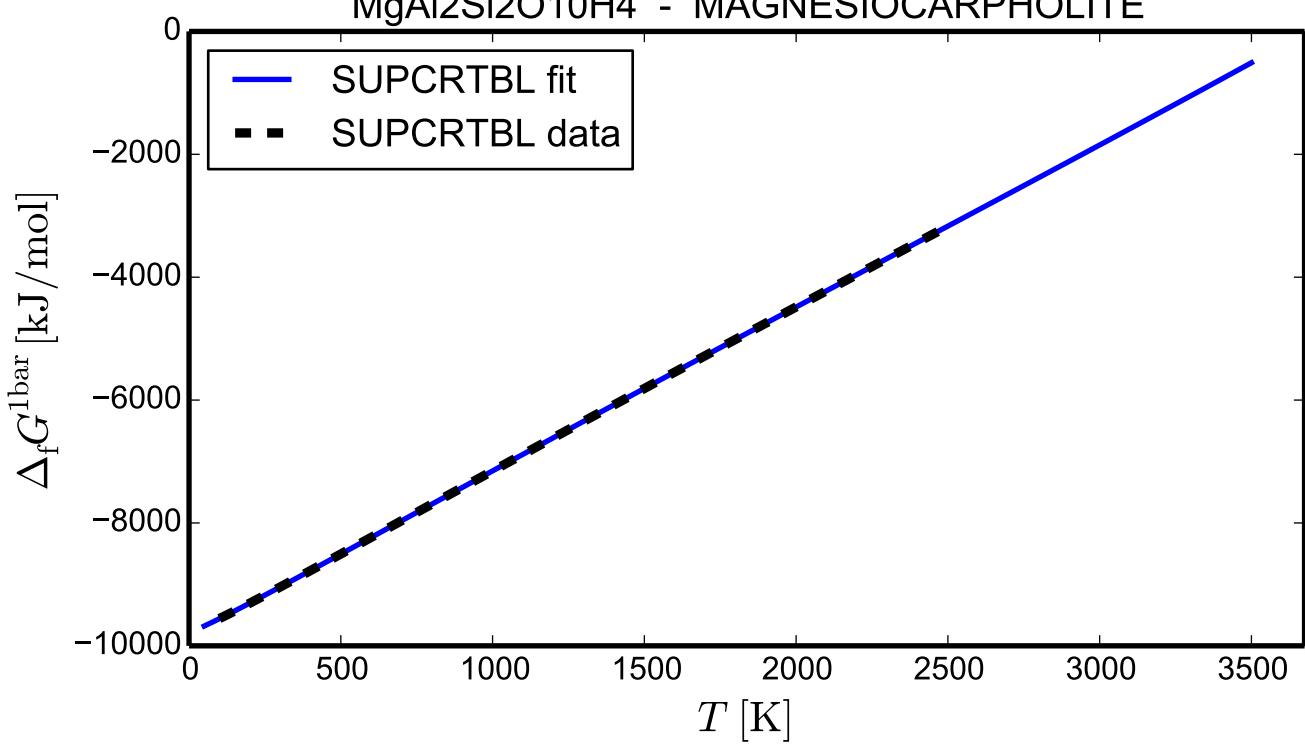
# Mn<sub>2</sub>SiO<sub>4</sub> - TEPHROITE



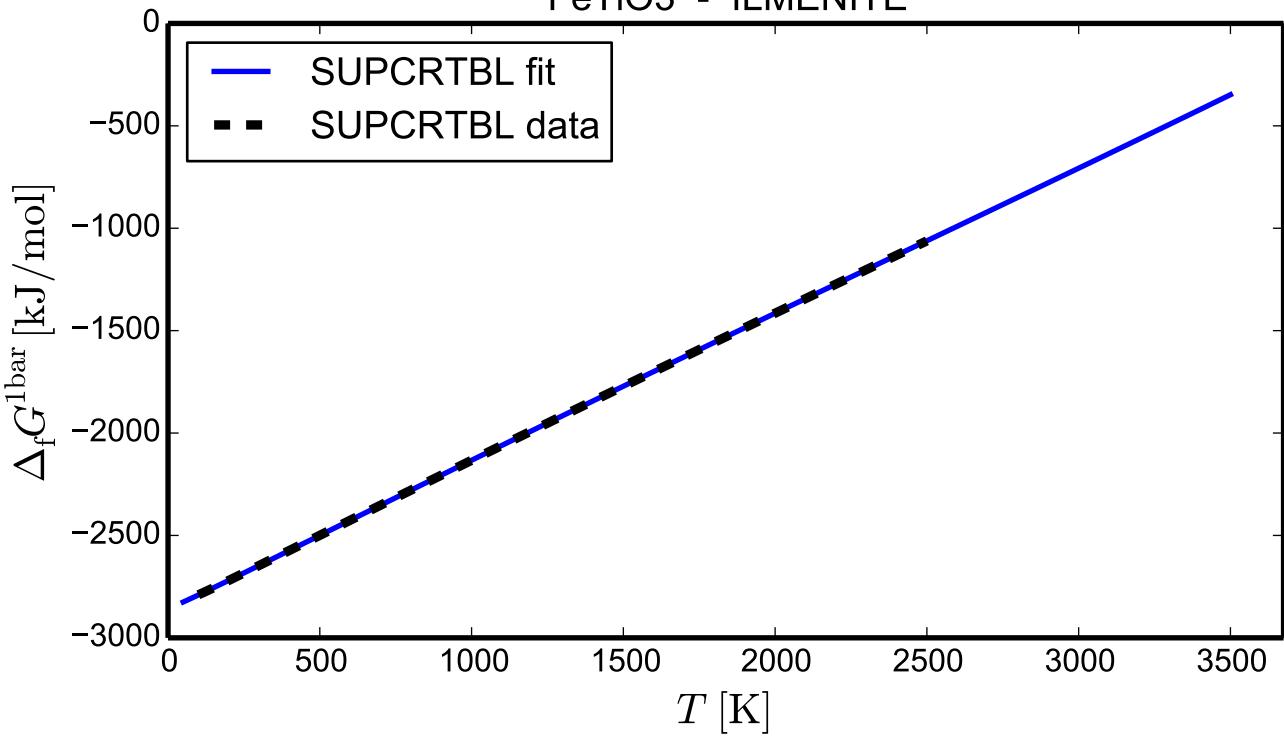
# KMn<sub>3</sub>AlSi<sub>3</sub>O<sub>12</sub>H<sub>2</sub> - Mn-BIOTITE



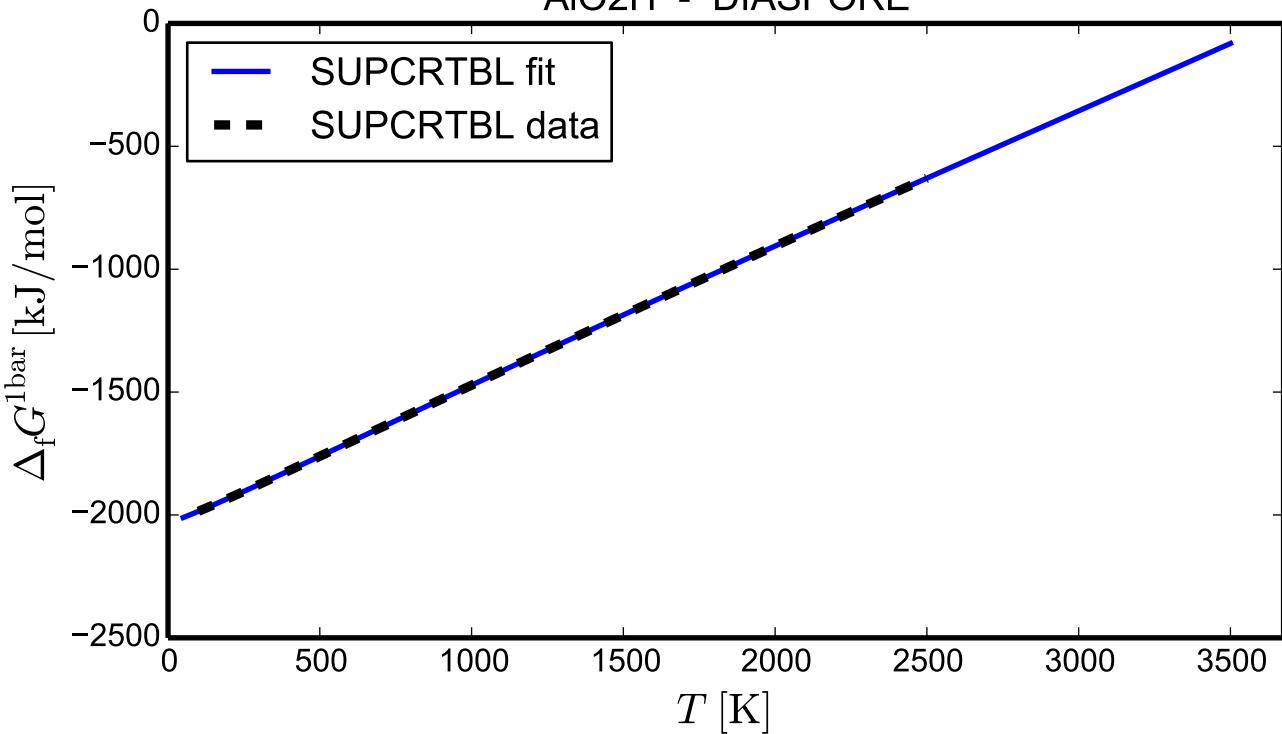
# MgAl<sub>2</sub>Si<sub>2</sub>O<sub>10</sub>H<sub>4</sub> - MAGNESIOCARPHOLITE



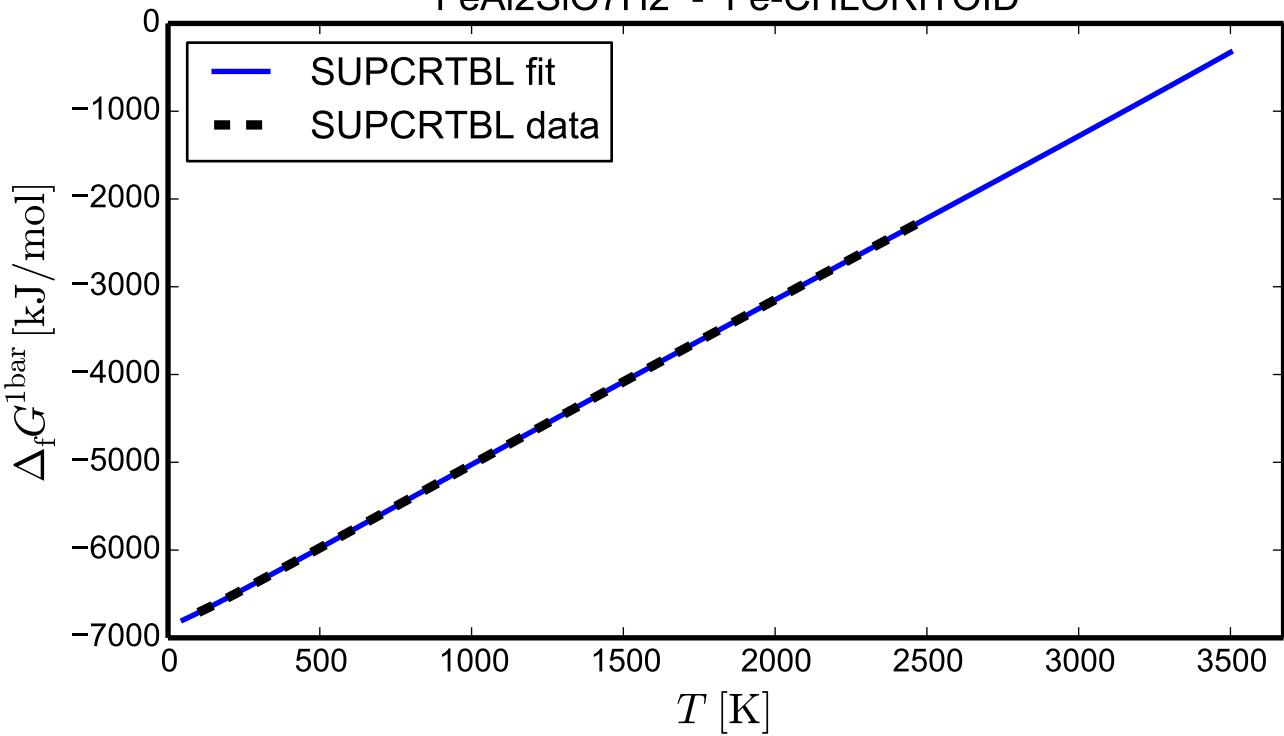
# FeTiO<sub>3</sub> - ILMENITE



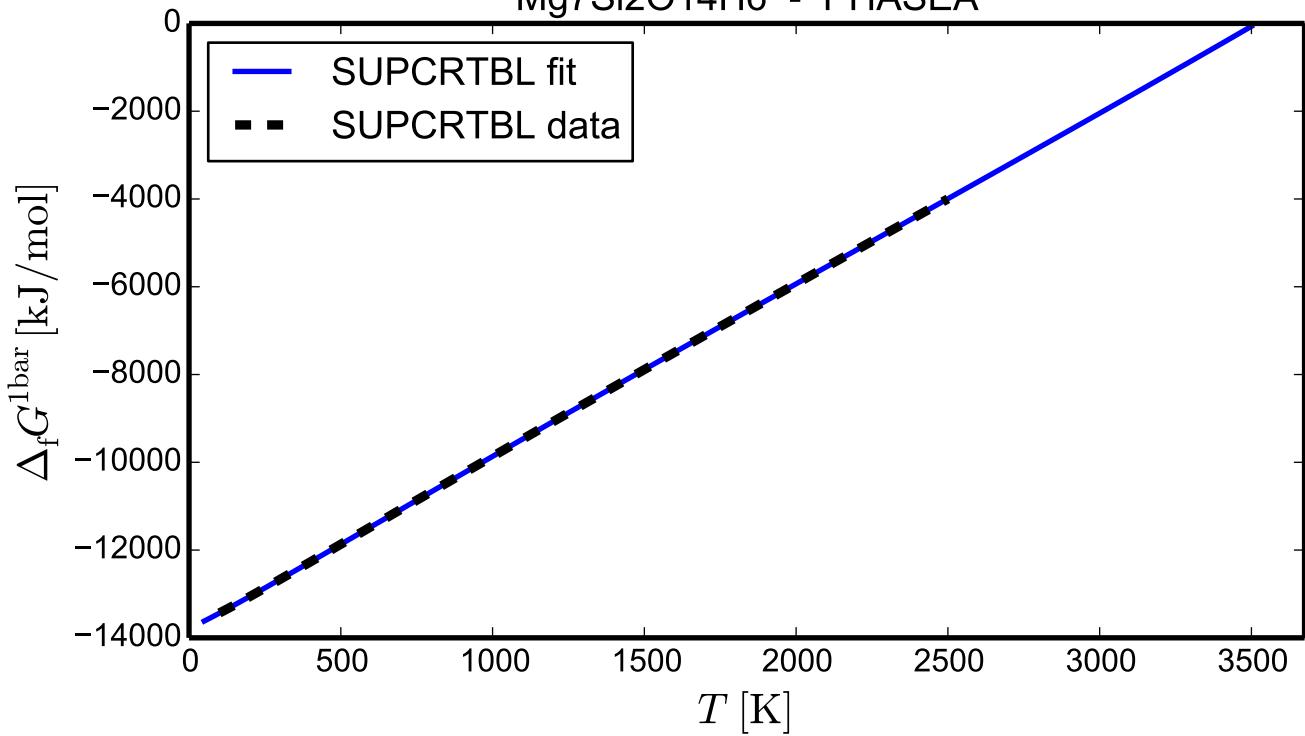
# AlO<sub>2</sub>H - DIASPORE



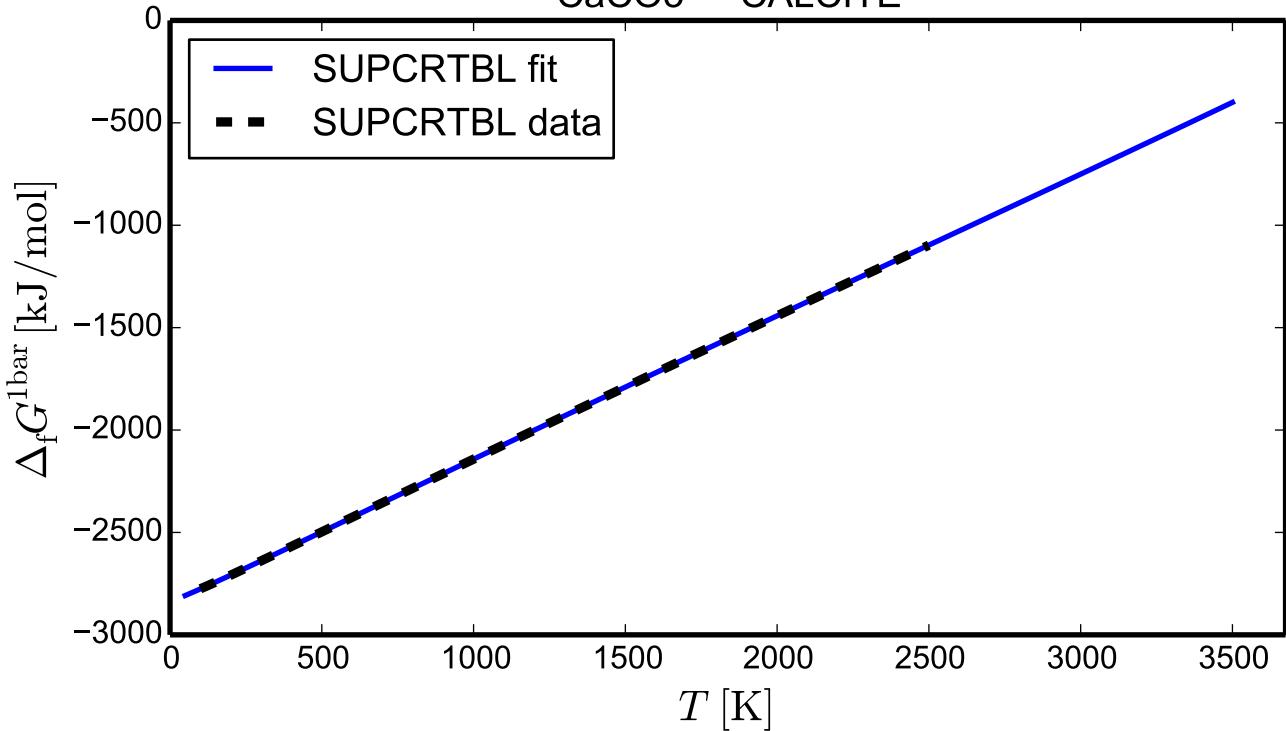
# FeAl<sub>2</sub>SiO<sub>7</sub>H<sub>2</sub> - Fe-CHLORITOID



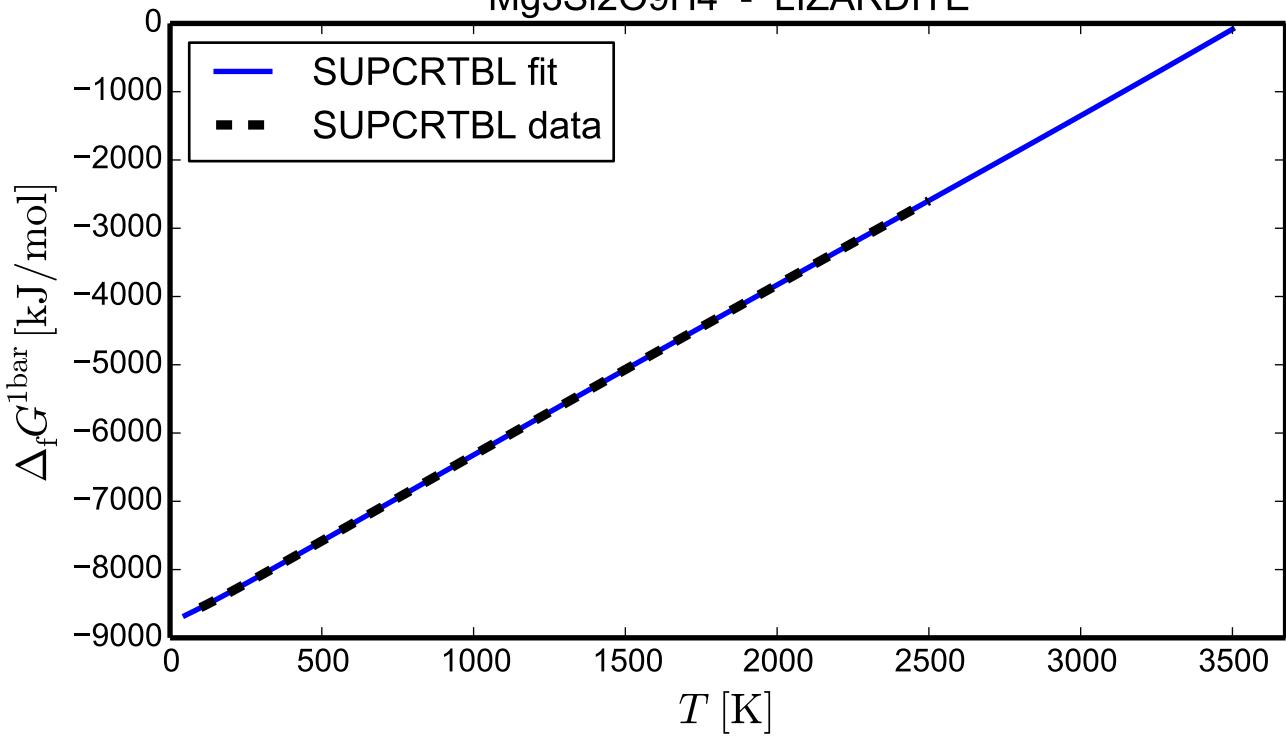
# Mg<sub>7</sub>Si<sub>2</sub>O<sub>14</sub>H<sub>6</sub> - PHASEA



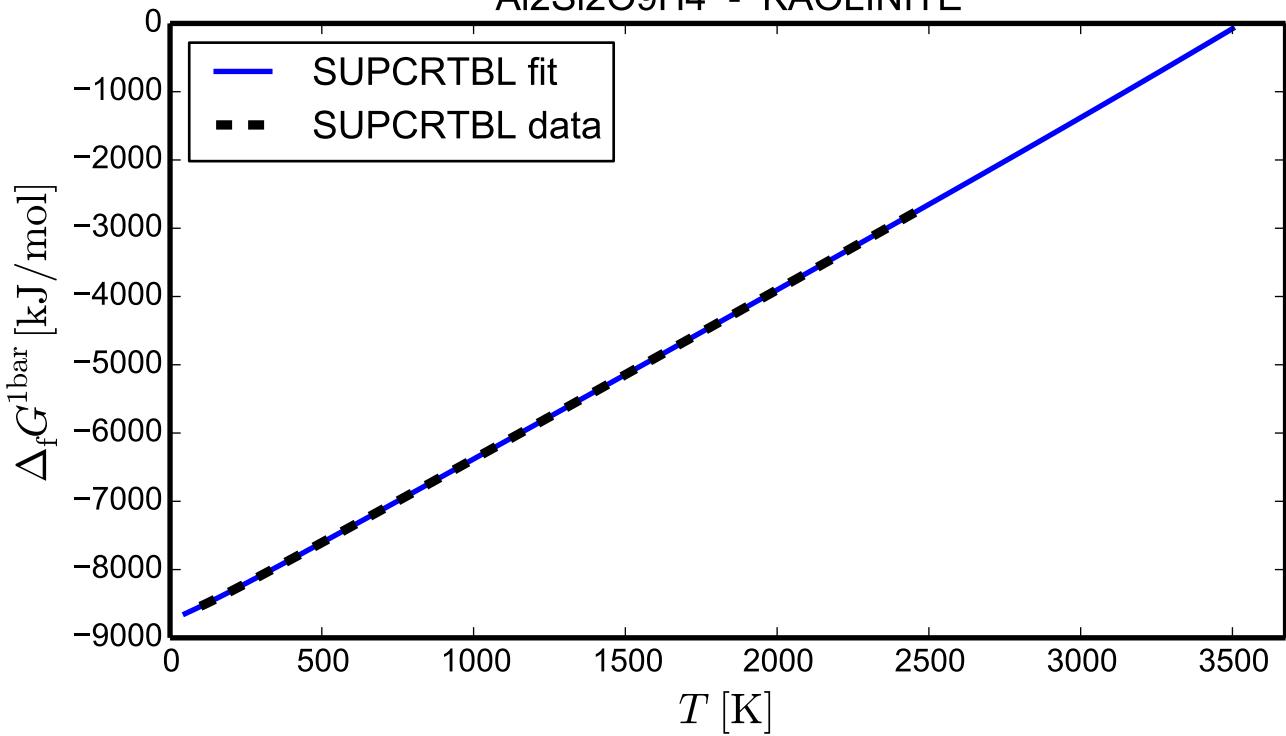
# CaCO<sub>3</sub> - CALCITE



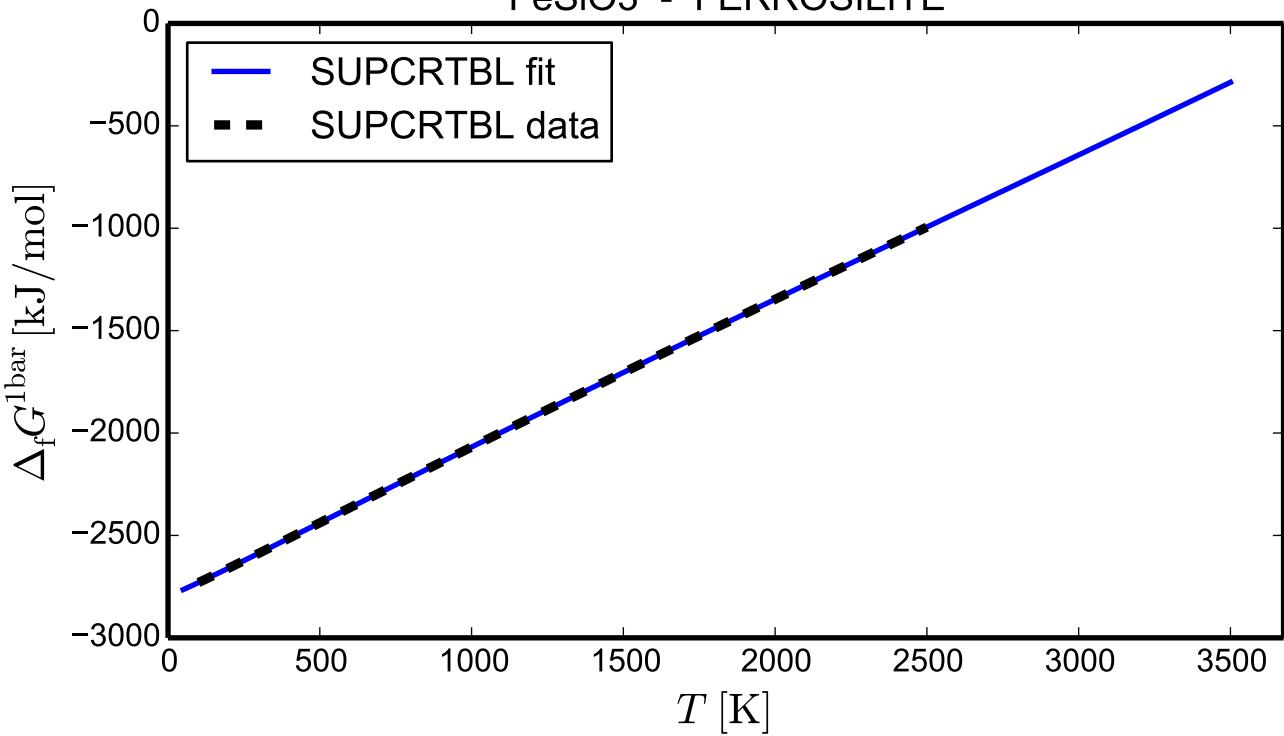
# Mg<sub>3</sub>Si<sub>2</sub>O<sub>9</sub>H<sub>4</sub> - LIZARDITE



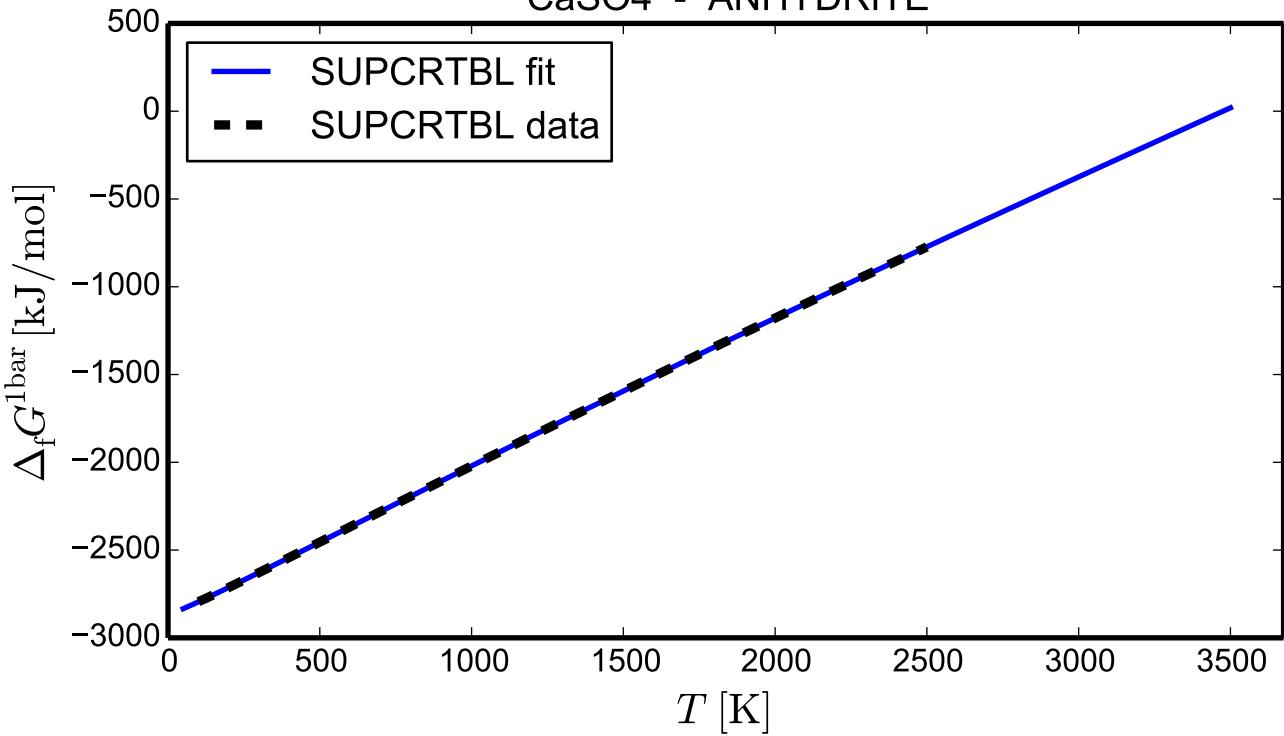
Al<sub>2</sub>Si<sub>2</sub>O<sub>9</sub>H<sub>4</sub> - KAOLINITE



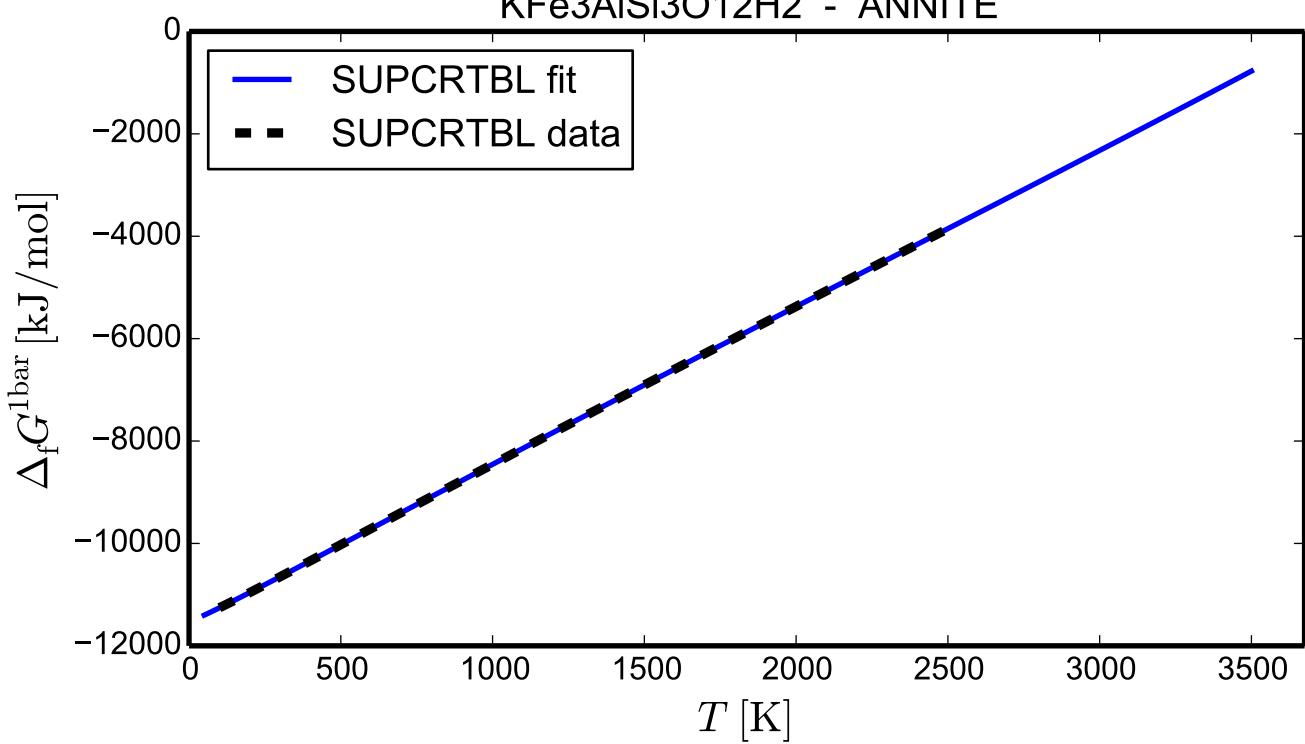
# FeSiO<sub>3</sub> - FERROSILITE



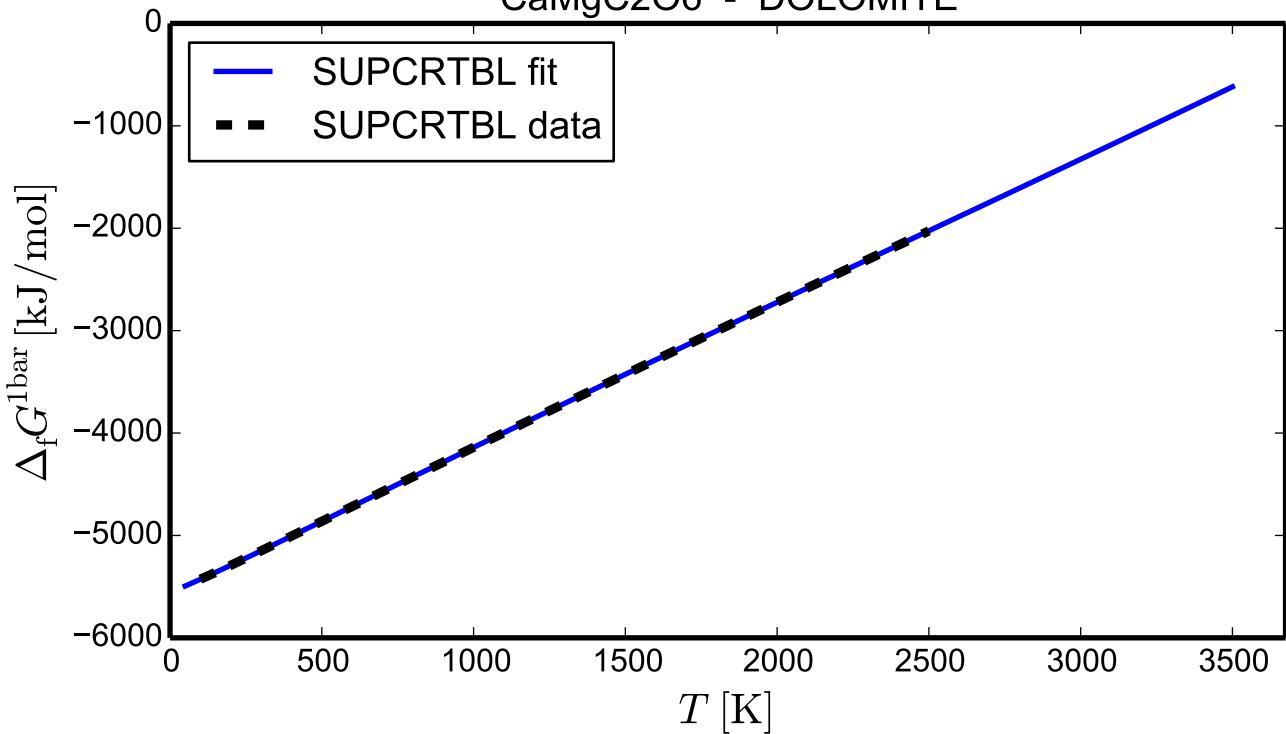
# CaSO<sub>4</sub> - ANHYDRITE



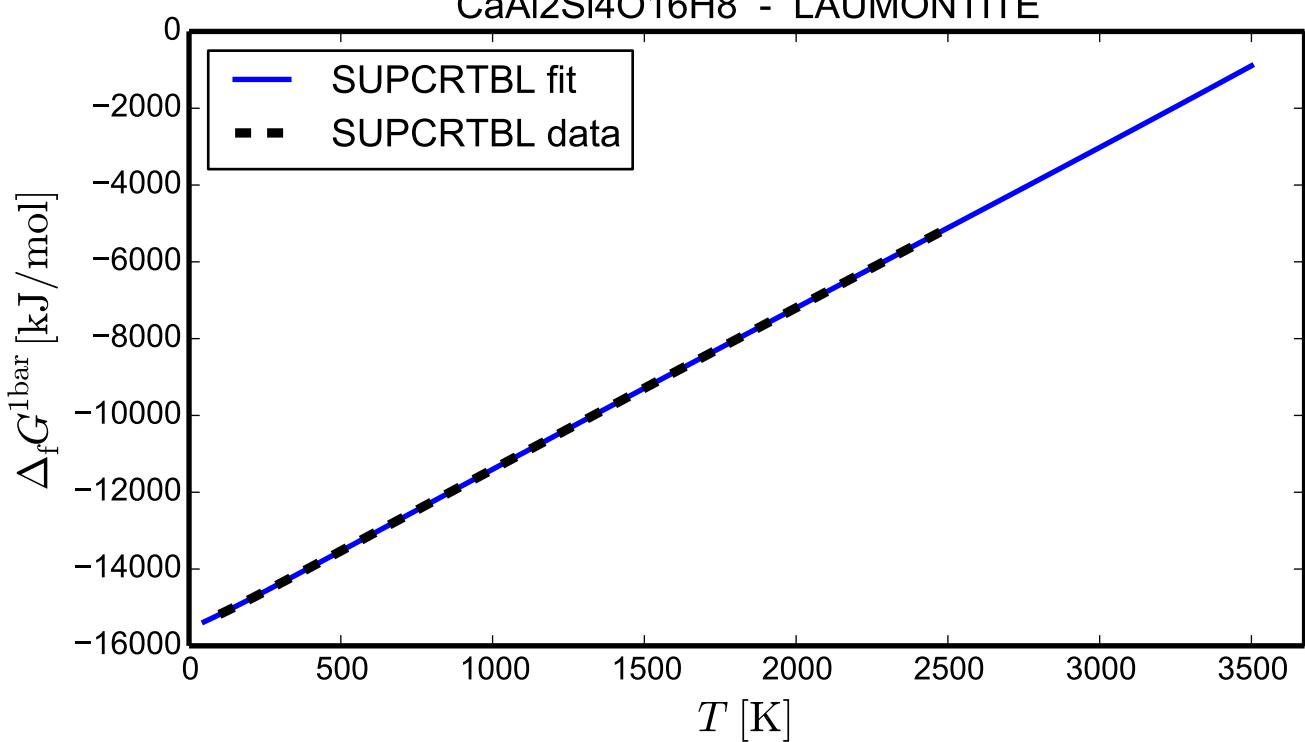
# KFe<sub>3</sub>AlSi<sub>3</sub>O<sub>12</sub>H<sub>2</sub> - ANNITE



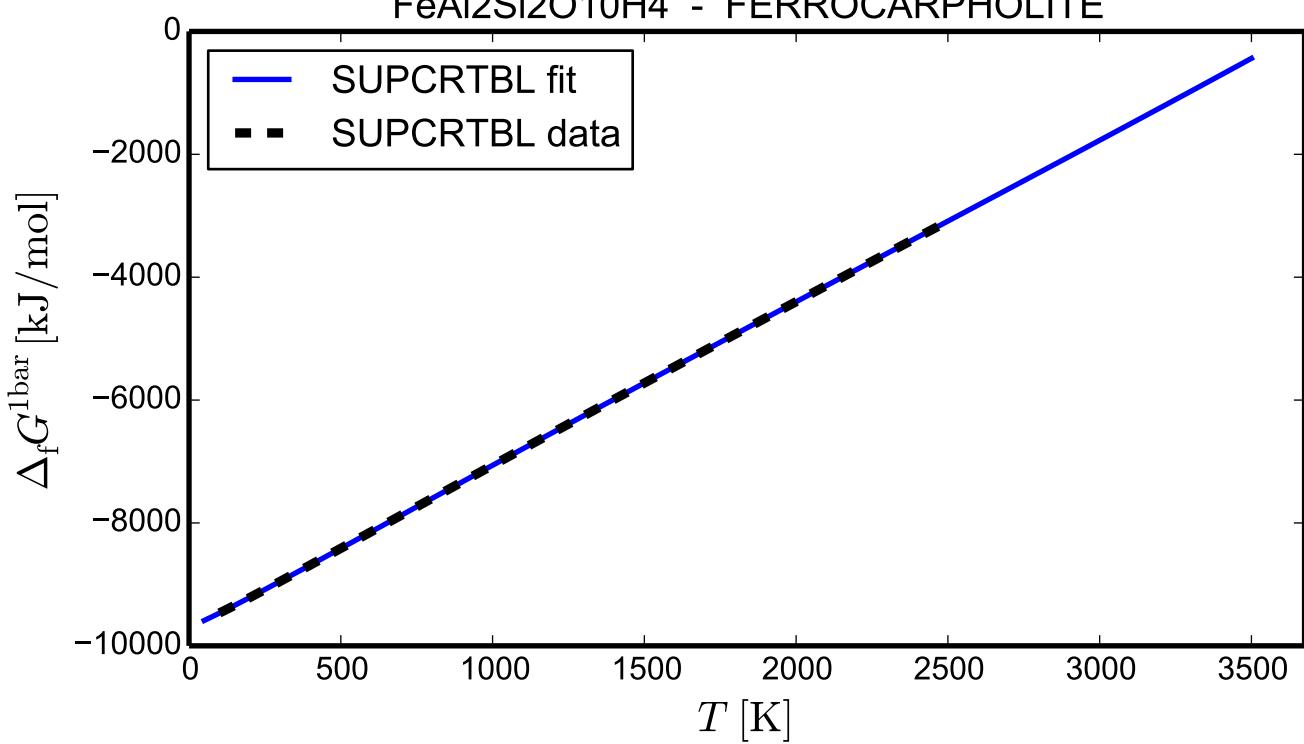
# CaMgC<sub>2</sub>O<sub>6</sub> - DOLOMITE



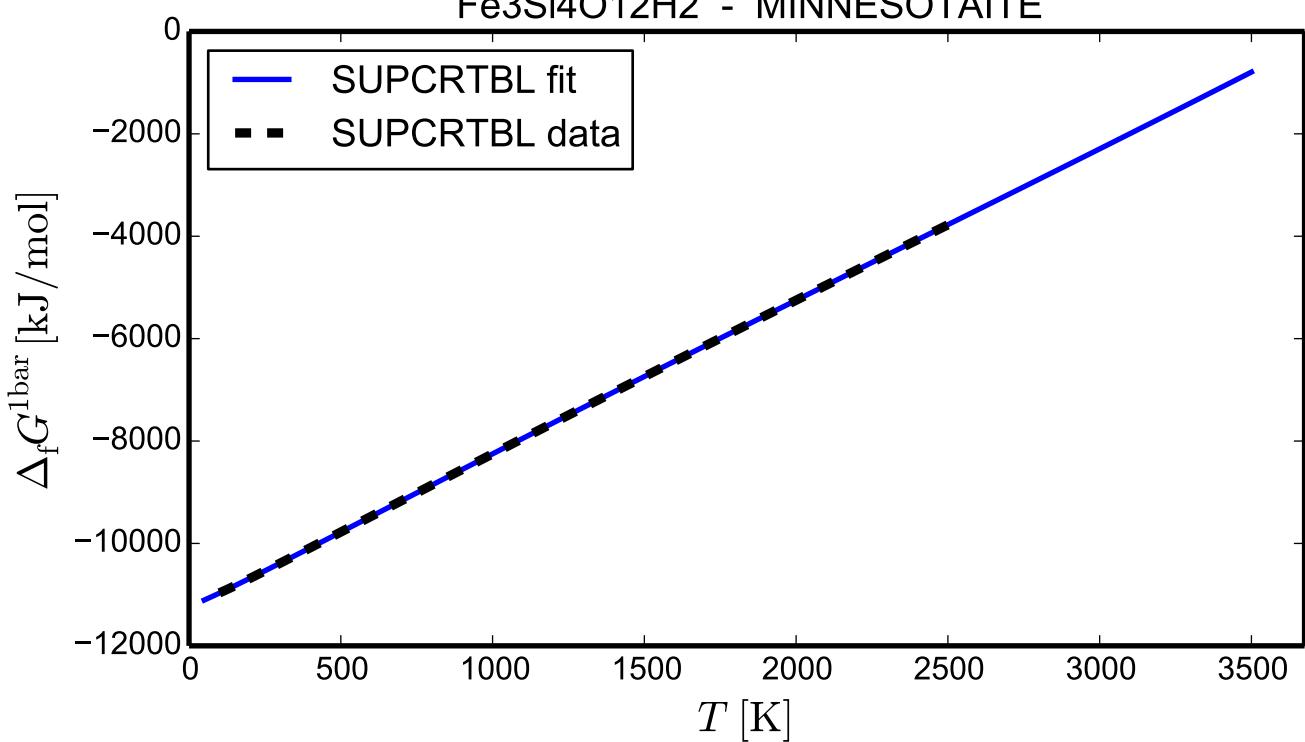
# CaAl<sub>2</sub>Si<sub>4</sub>O<sub>16</sub>H<sub>8</sub> - LAUMONTITE



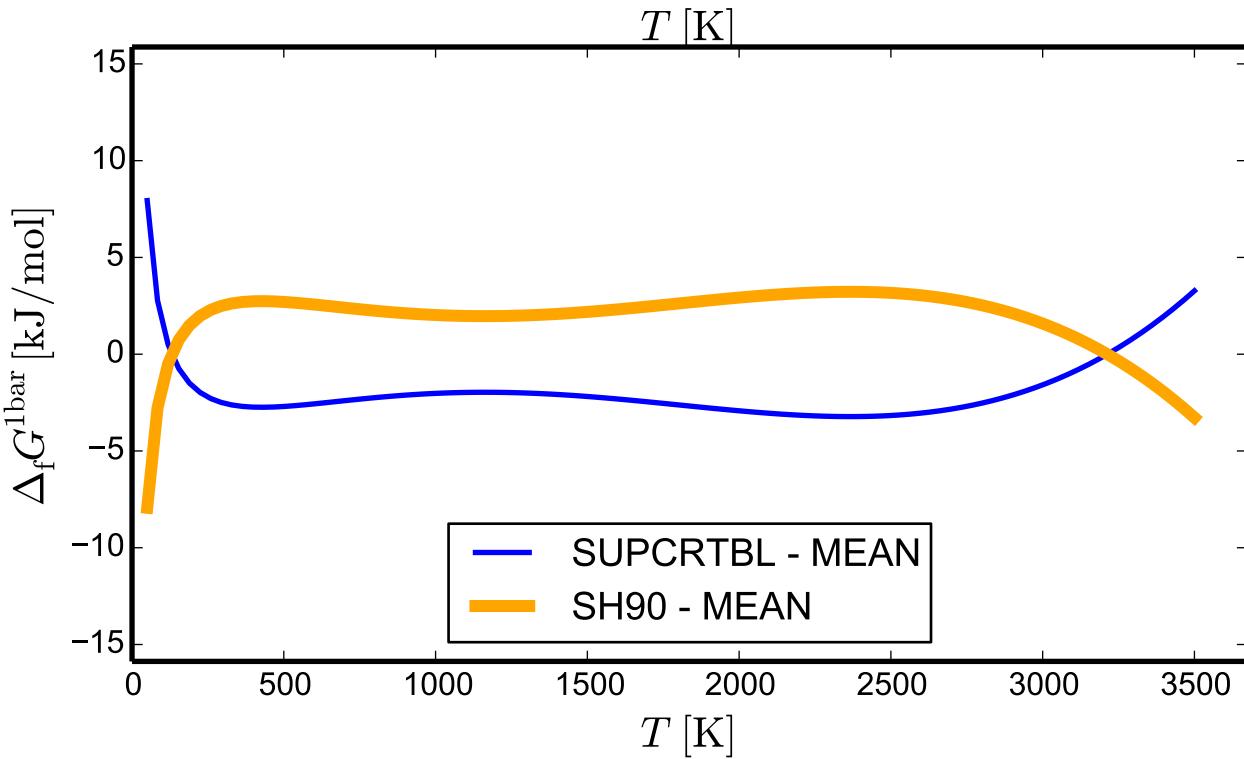
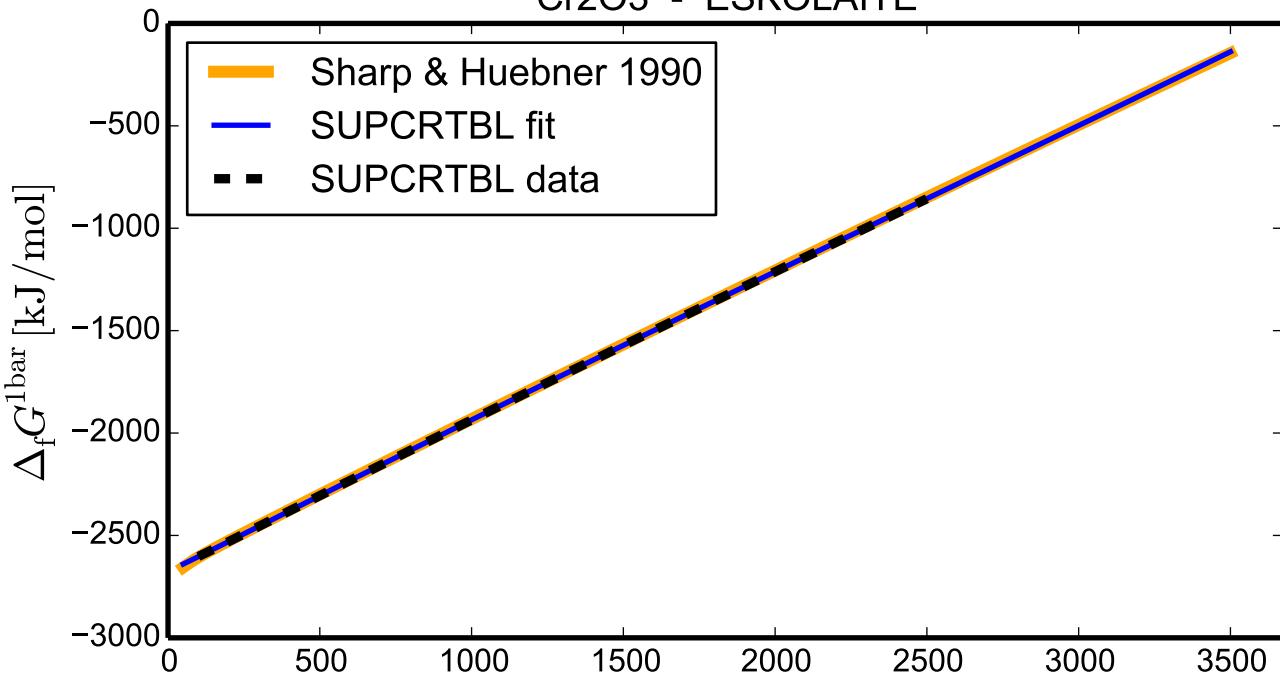
# FeAl<sub>2</sub>Si<sub>2</sub>O<sub>10</sub>H<sub>4</sub> - FERROCARPHOLITE



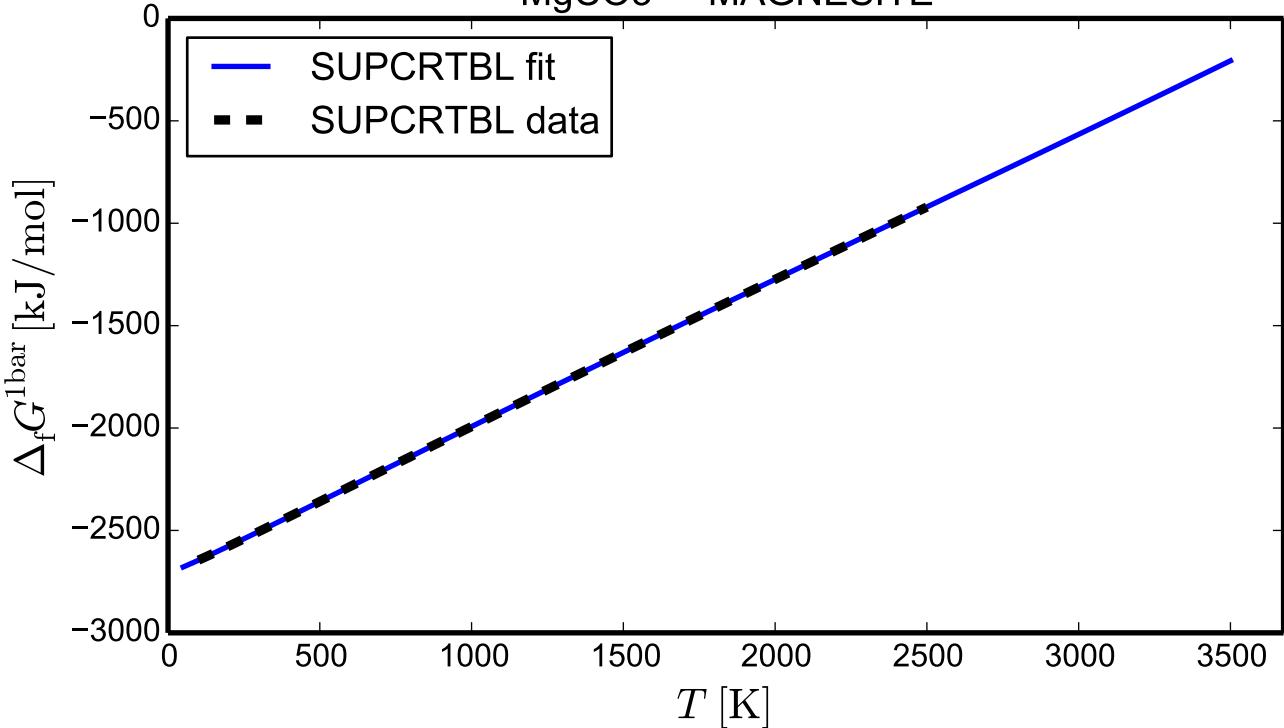
# Fe<sub>3</sub>Si<sub>4</sub>O<sub>12</sub>H<sub>2</sub> - MINNESOTAITE



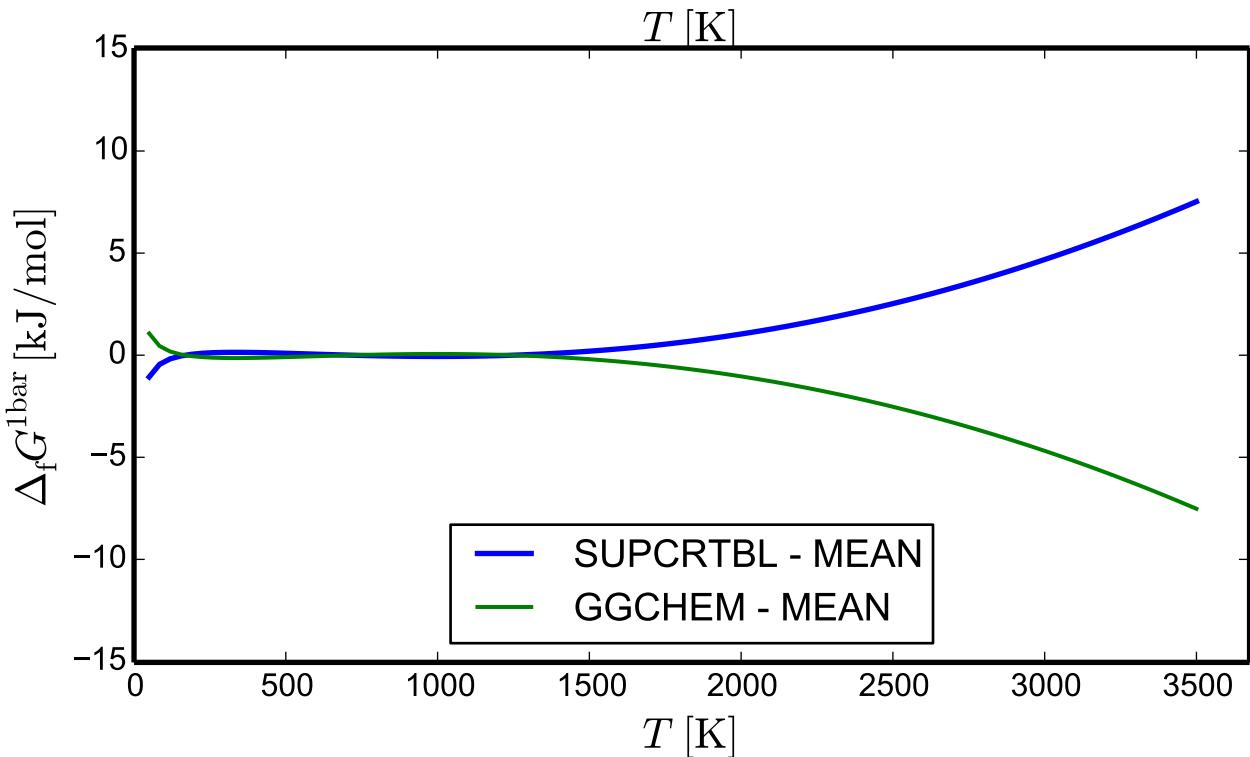
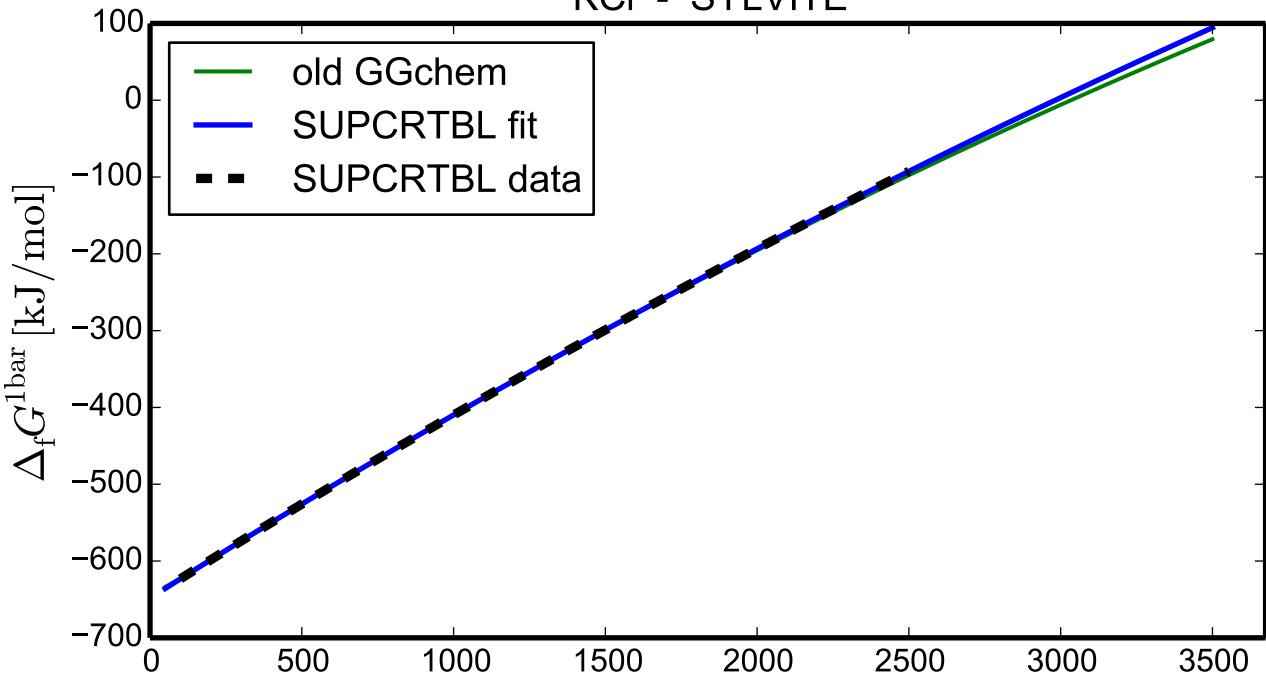
# Cr<sub>2</sub>O<sub>3</sub> - ESKOLAITE



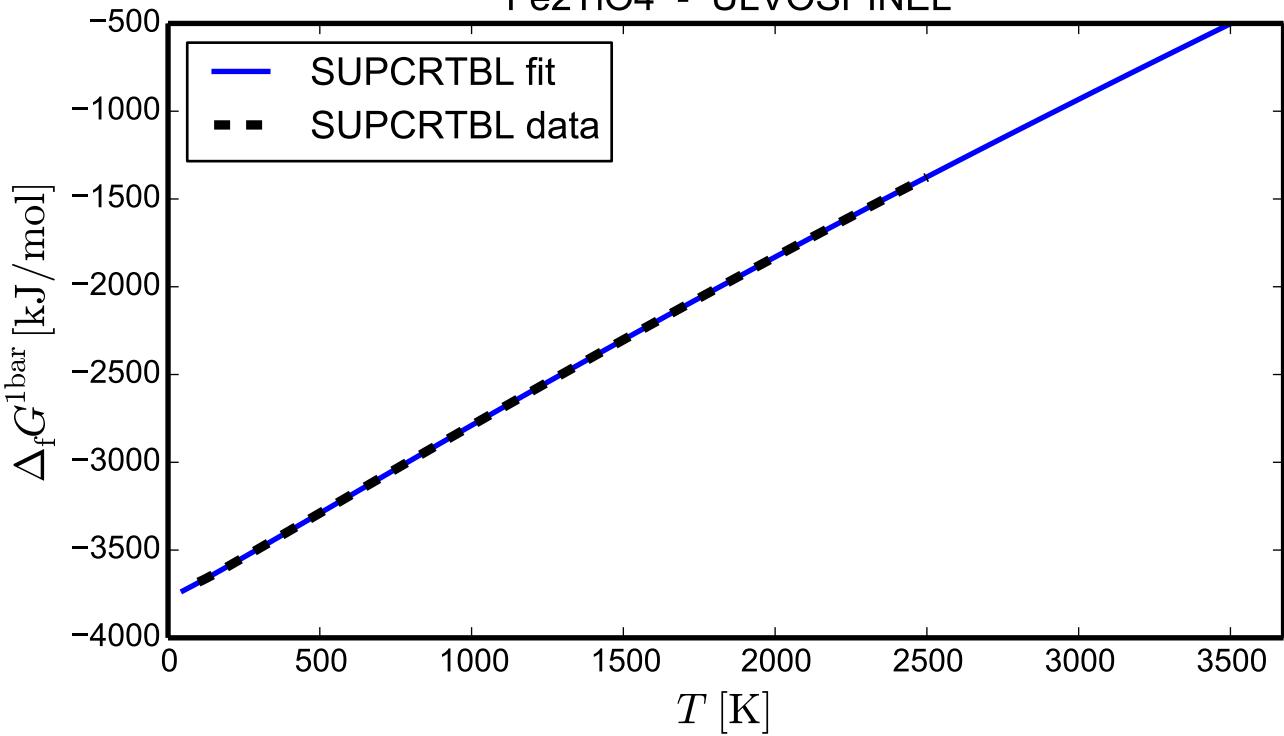
# MgCO<sub>3</sub> - MAGNESITE



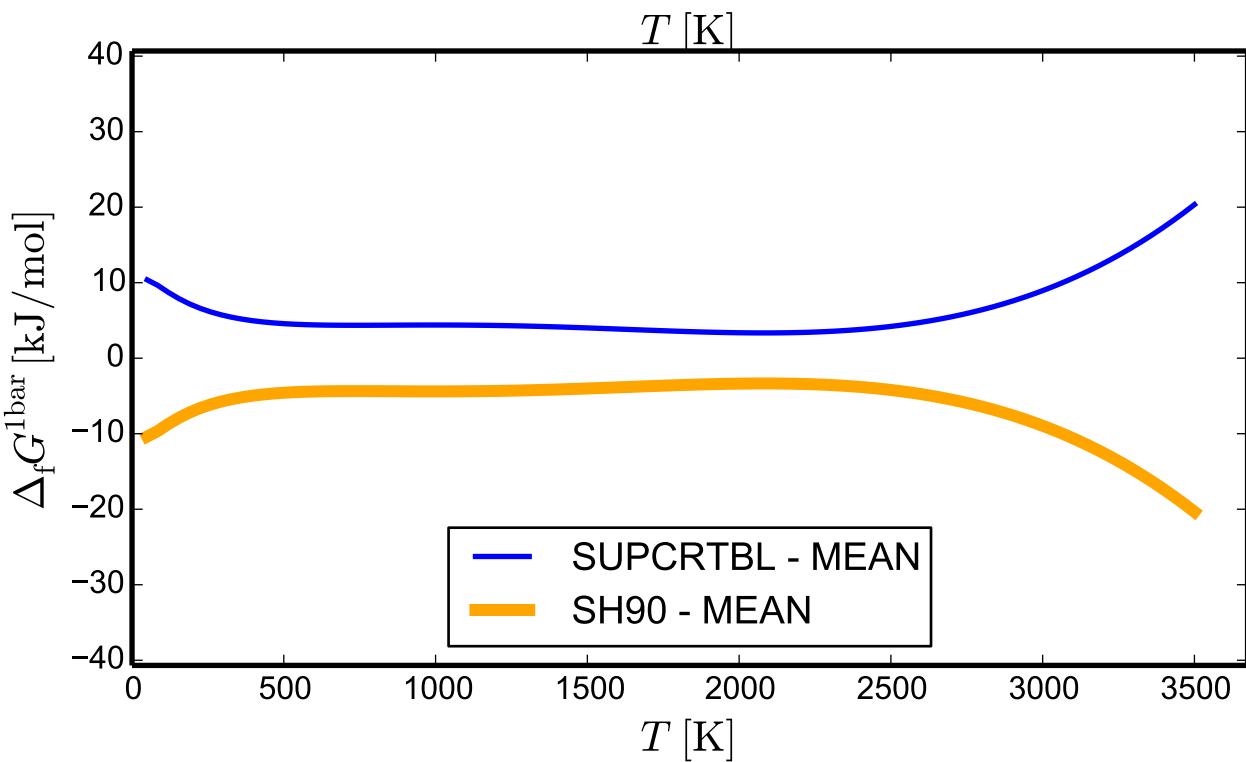
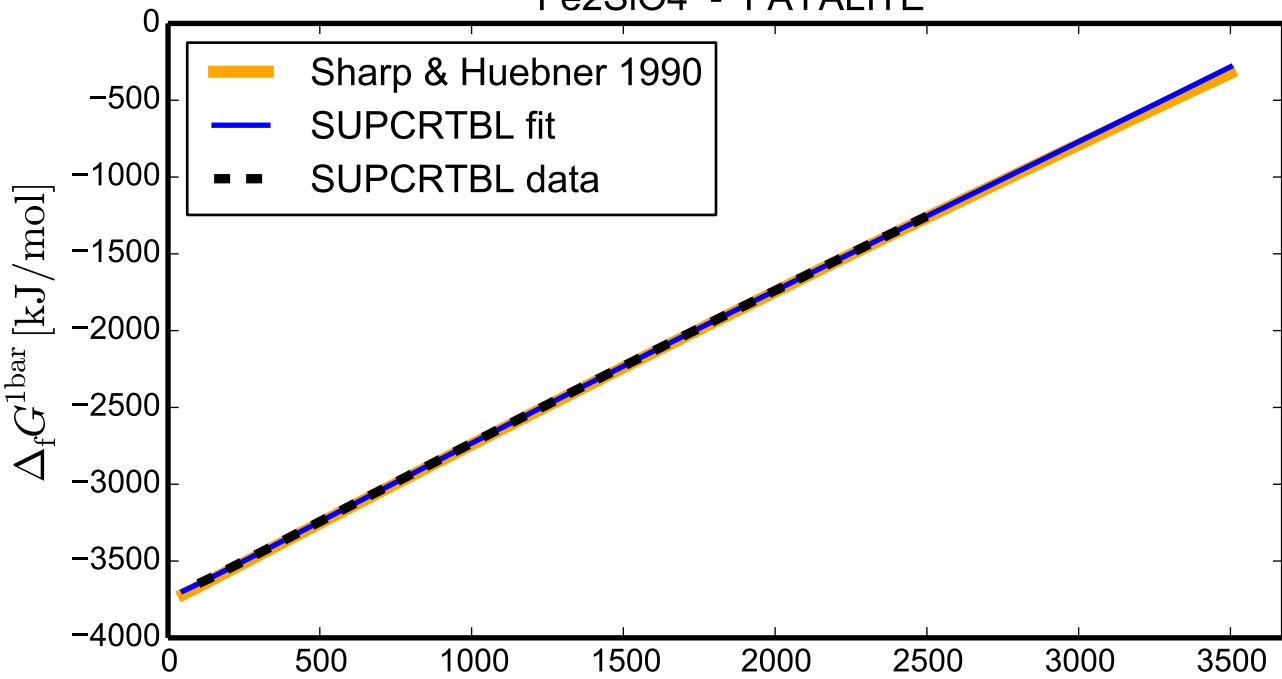
# KCl - SYLVITE



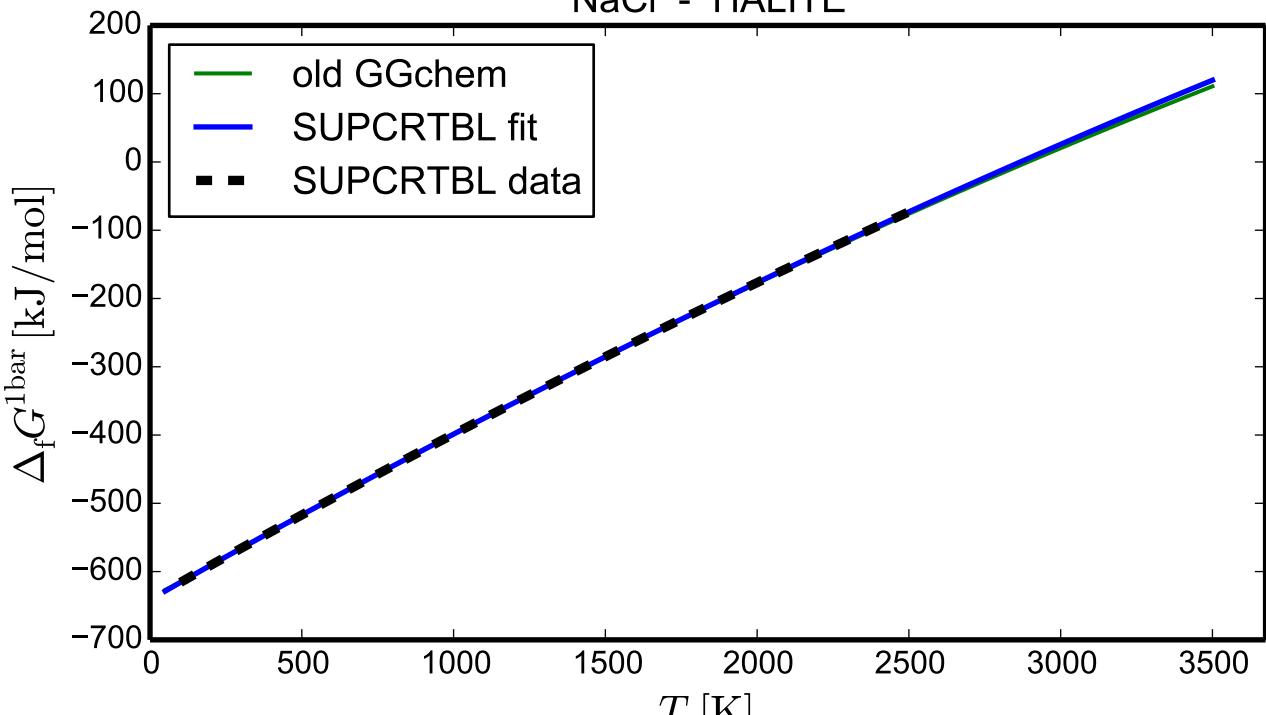
# Fe<sub>2</sub>TiO<sub>4</sub> - ULVOSPINEL



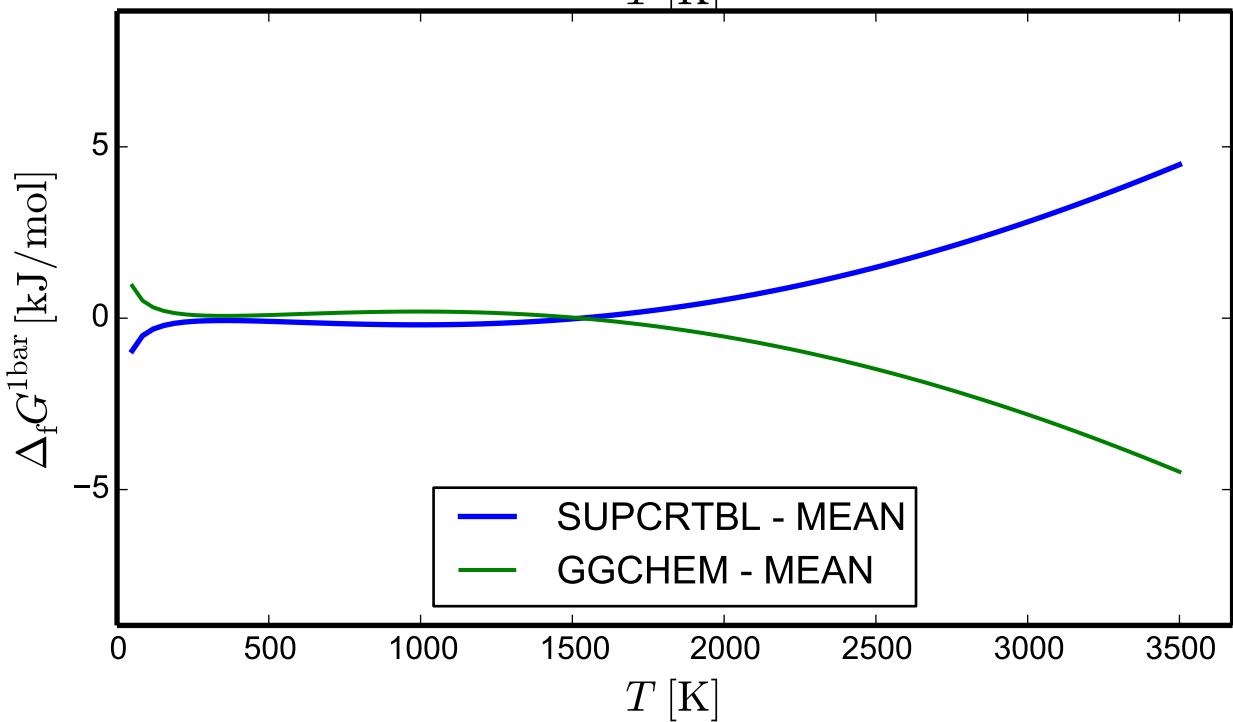
# Fe<sub>2</sub>SiO<sub>4</sub> - FAYALITE



# NaCl - HALITE



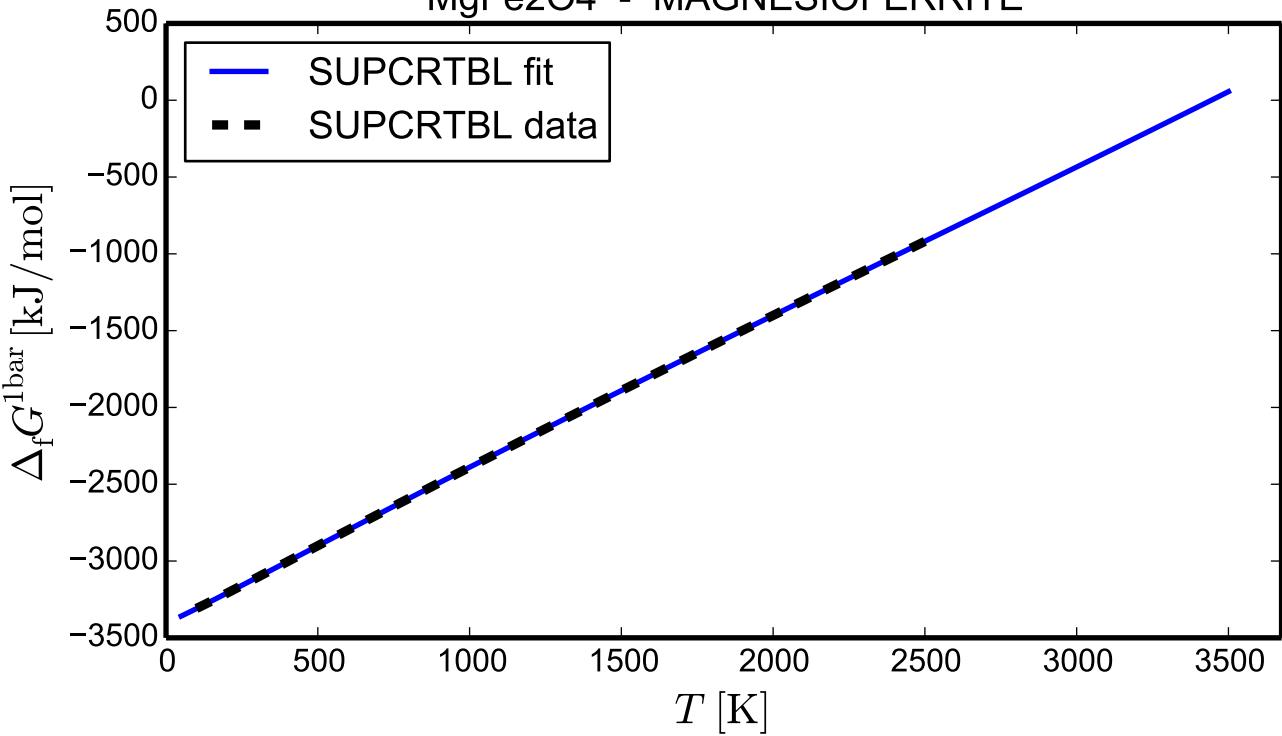
$T$  [K]



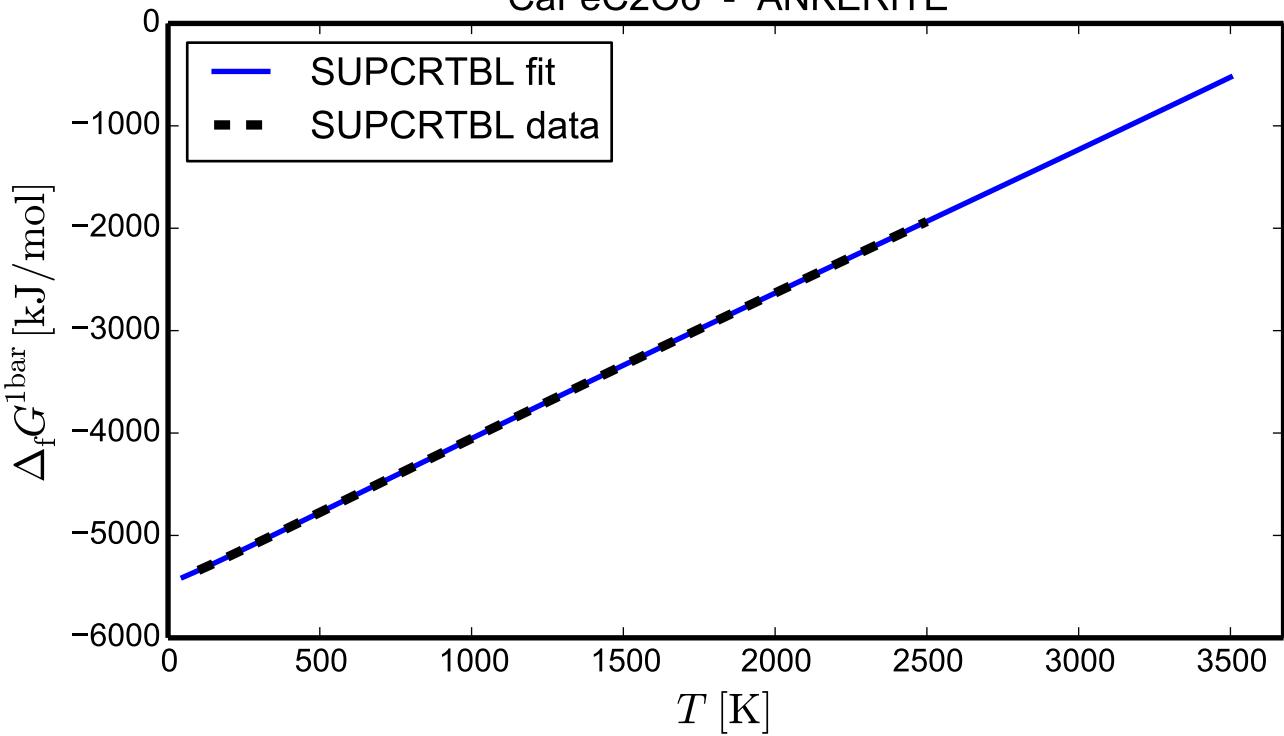
$T$  [K]

SUPCRTBL - MEAN  
GGCHEM - MEAN

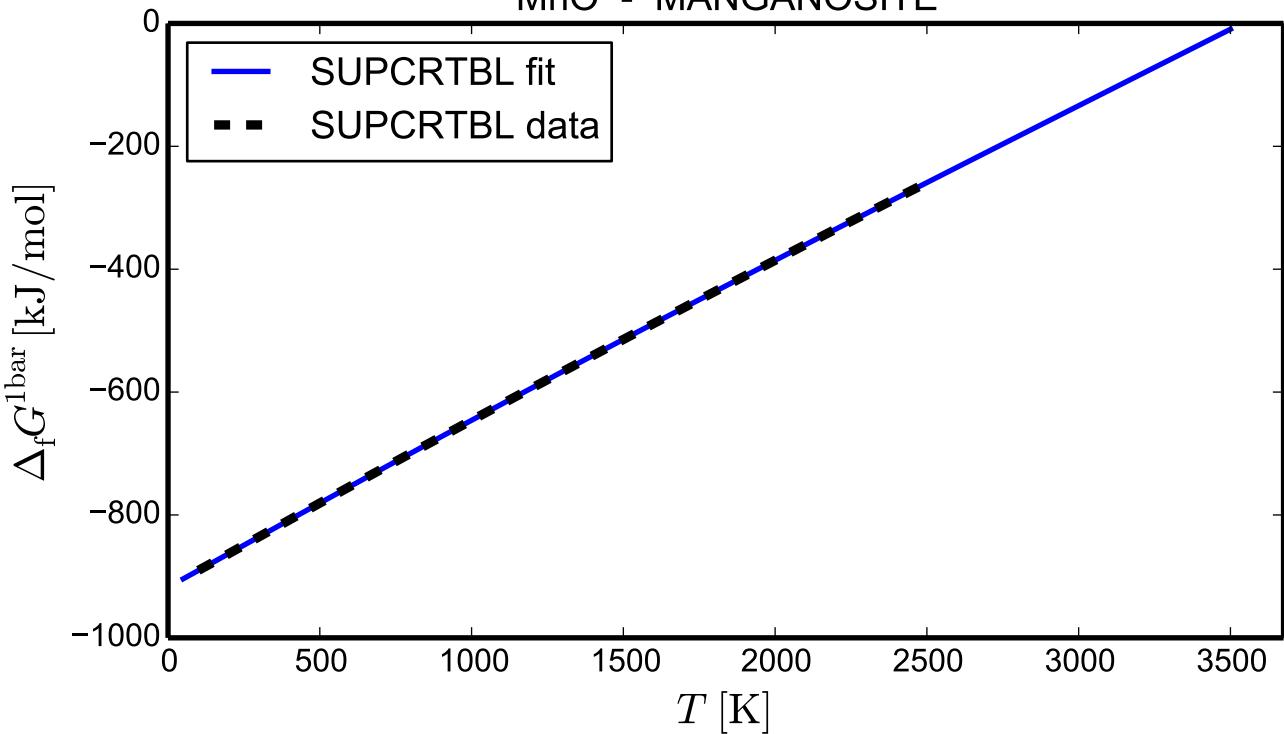
# MgFe<sub>2</sub>O<sub>4</sub> - MAGNESIOFERRITE



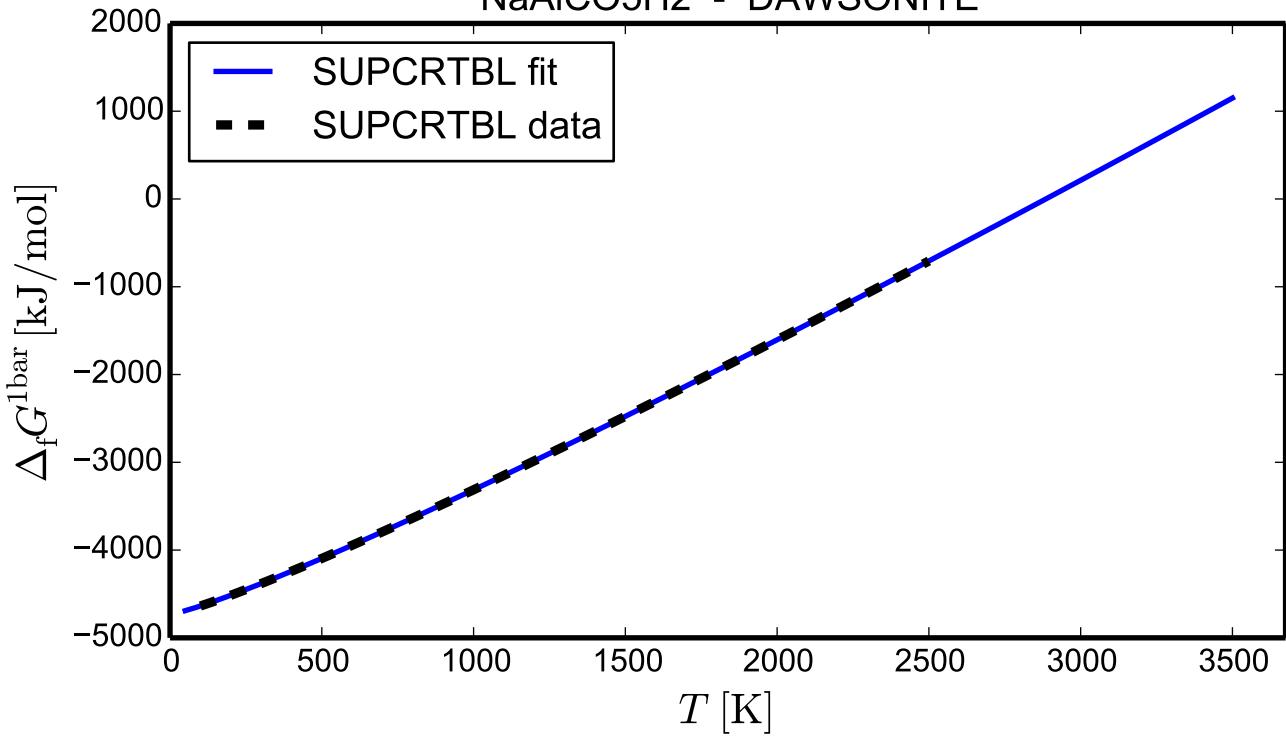
# CaFeC<sub>2</sub>O<sub>6</sub> - ANKERITE



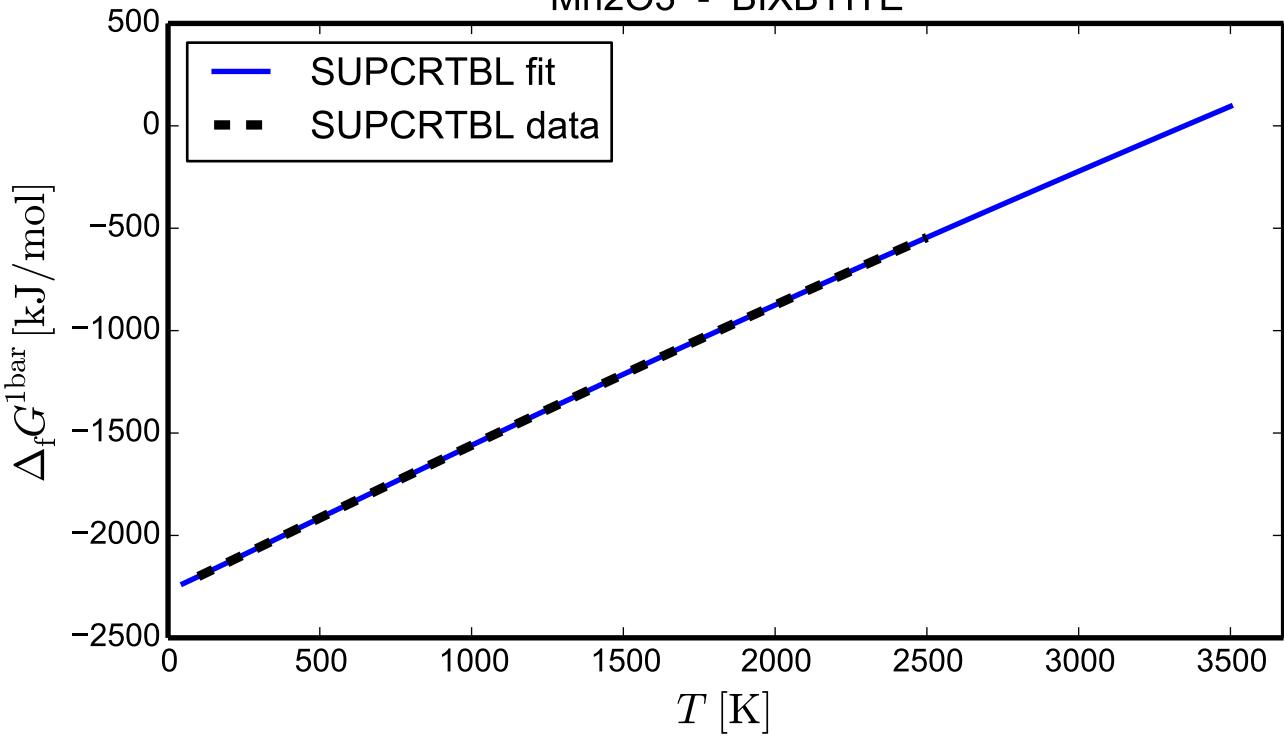
# MnO - MANGANOSITE



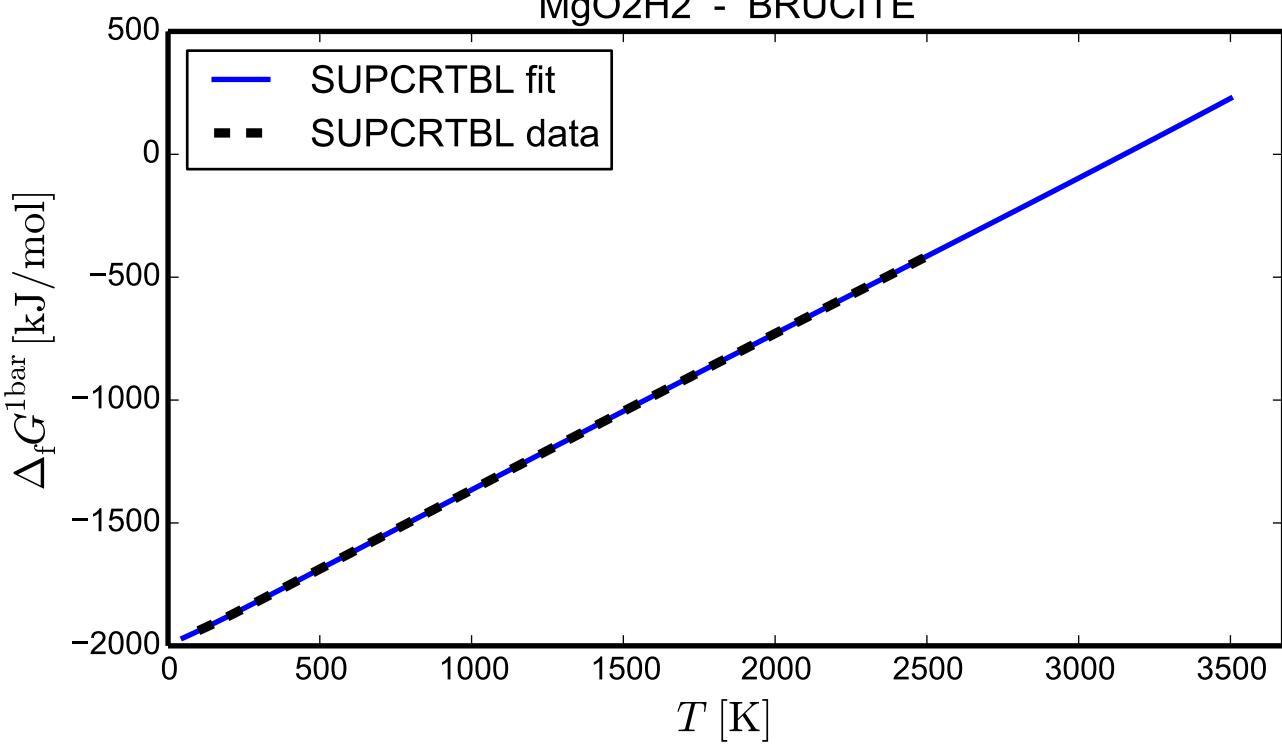
# NaAlCO<sub>5</sub>H<sub>2</sub> - DAWSONITE



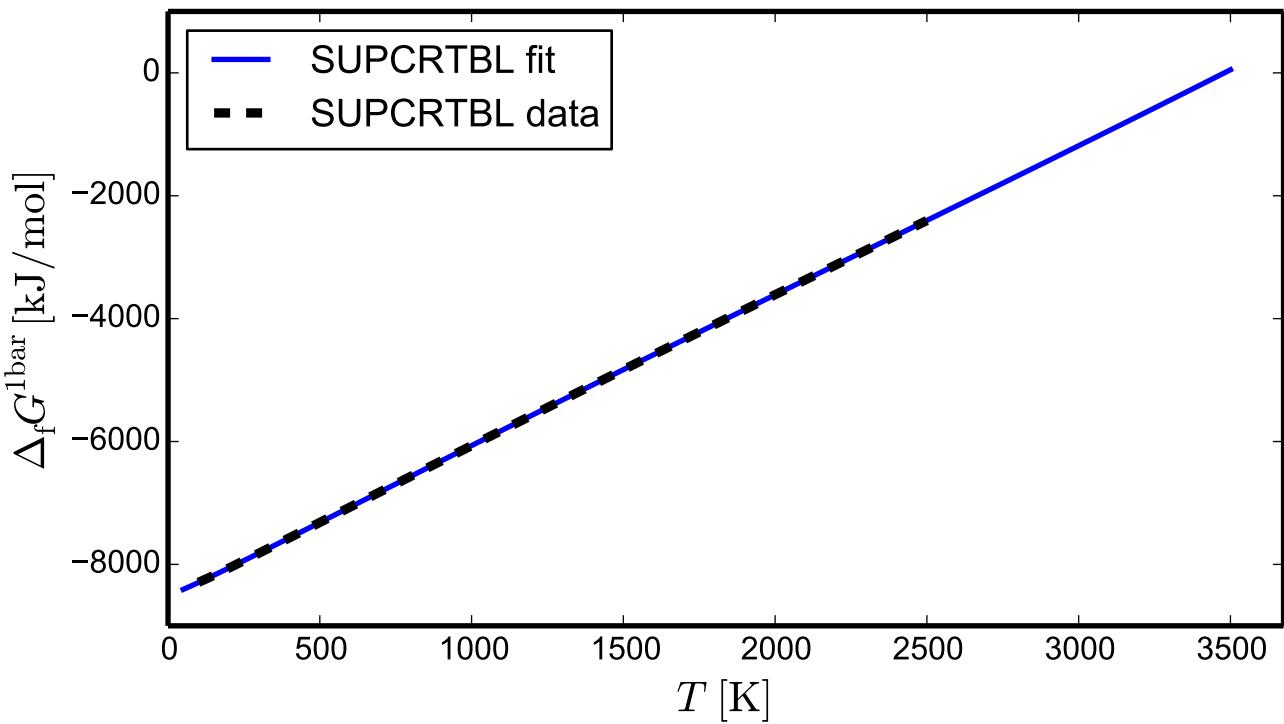
# Mn<sub>2</sub>O<sub>3</sub> - BIXBYITE



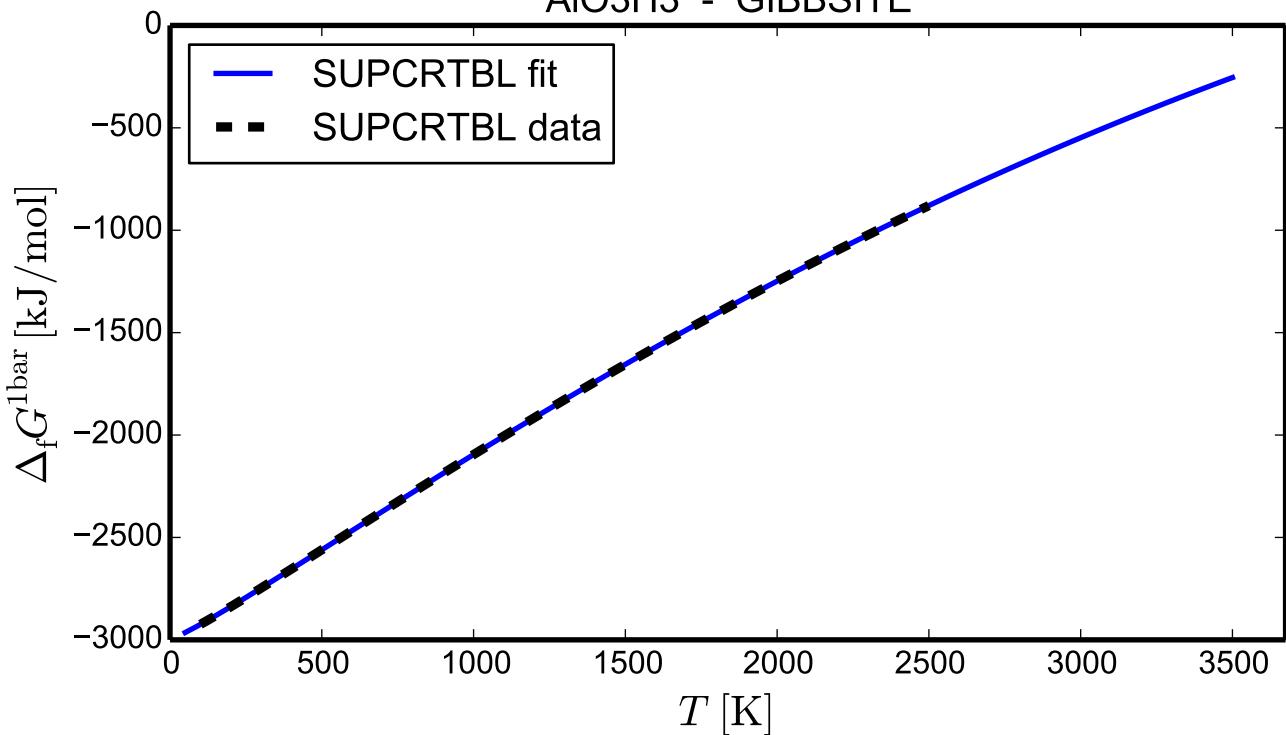
# MgO<sub>2</sub>H<sub>2</sub> - BRUCITE



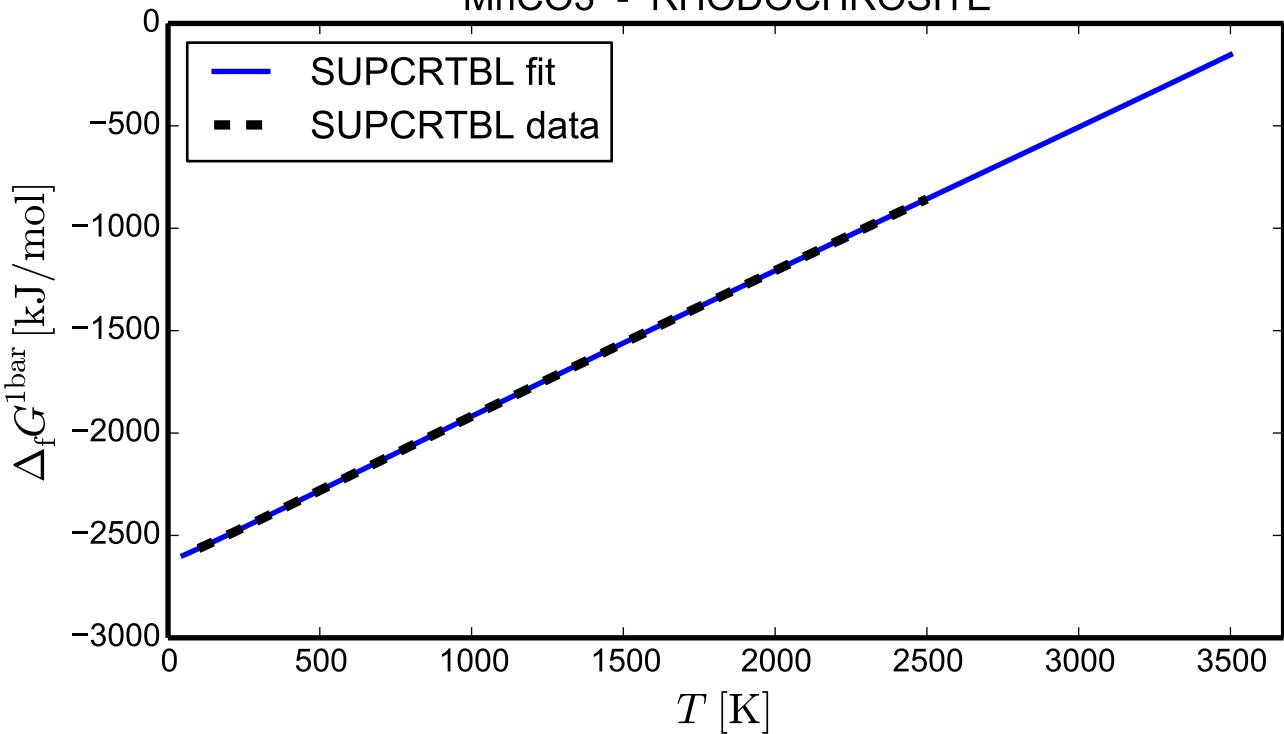
# Fe<sub>3</sub>Si<sub>2</sub>O<sub>9</sub>H<sub>4</sub> - GREENALITE



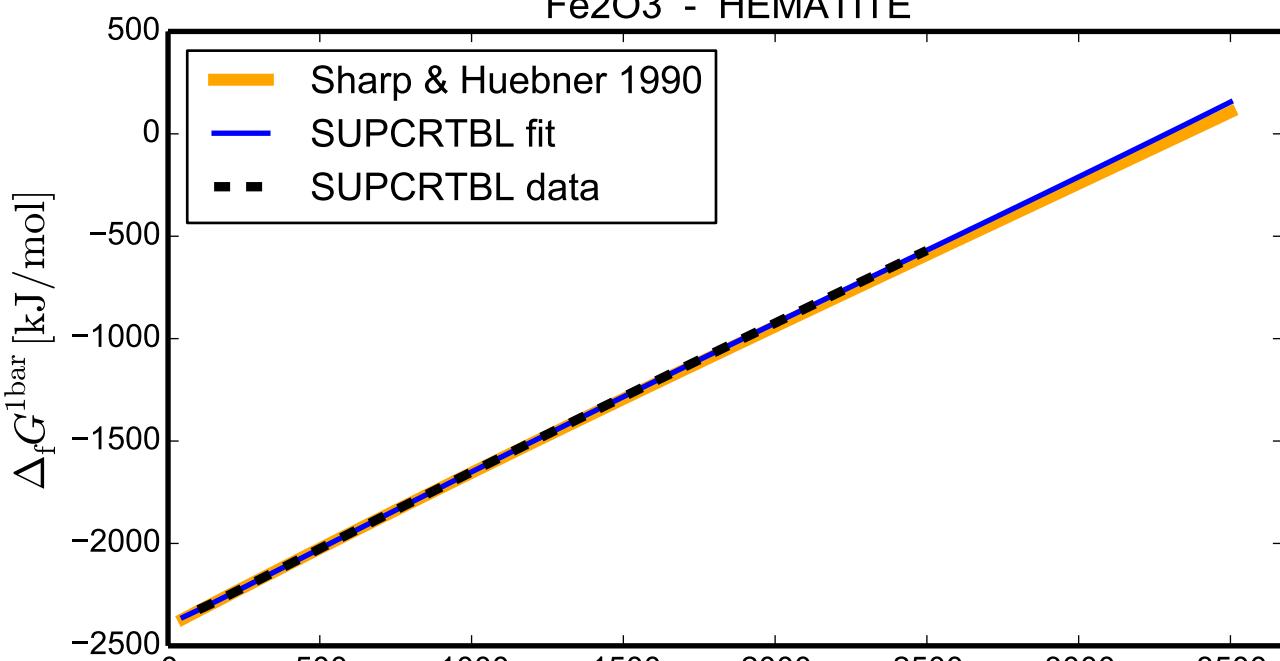
# AlO<sub>3</sub>H<sub>3</sub> - GIBBSITE



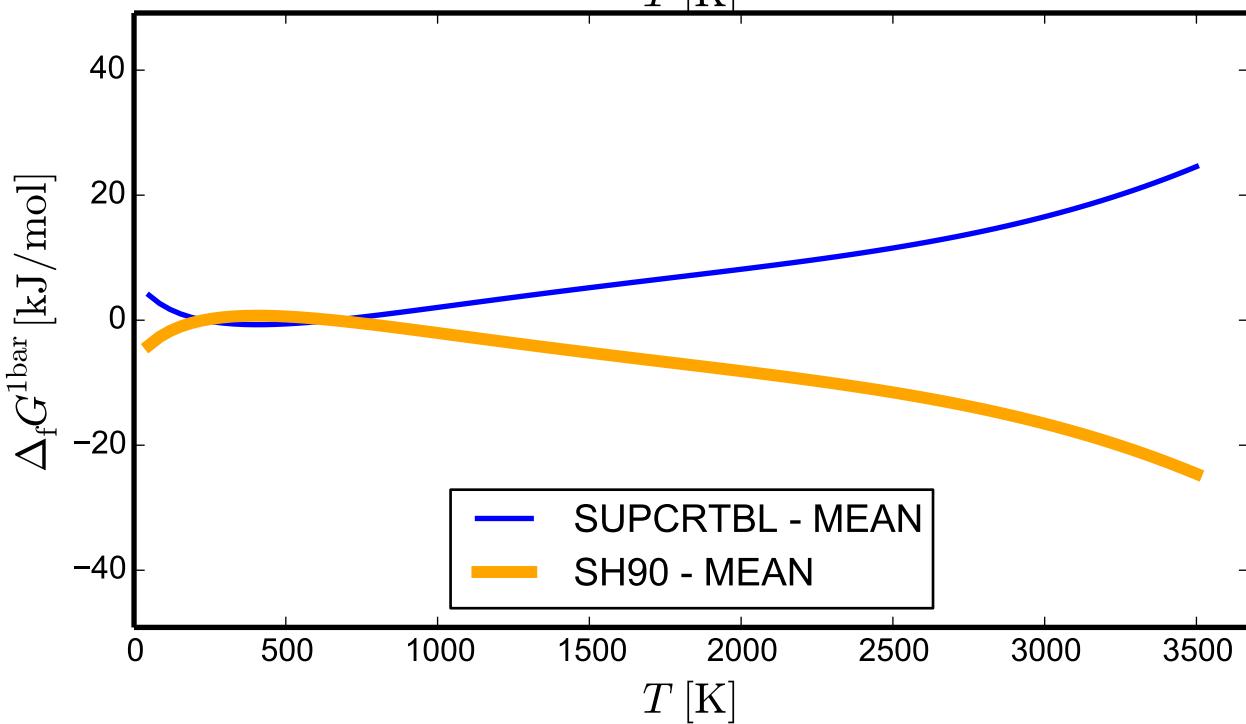
# MnCO<sub>3</sub> - RHODOCHROSITE



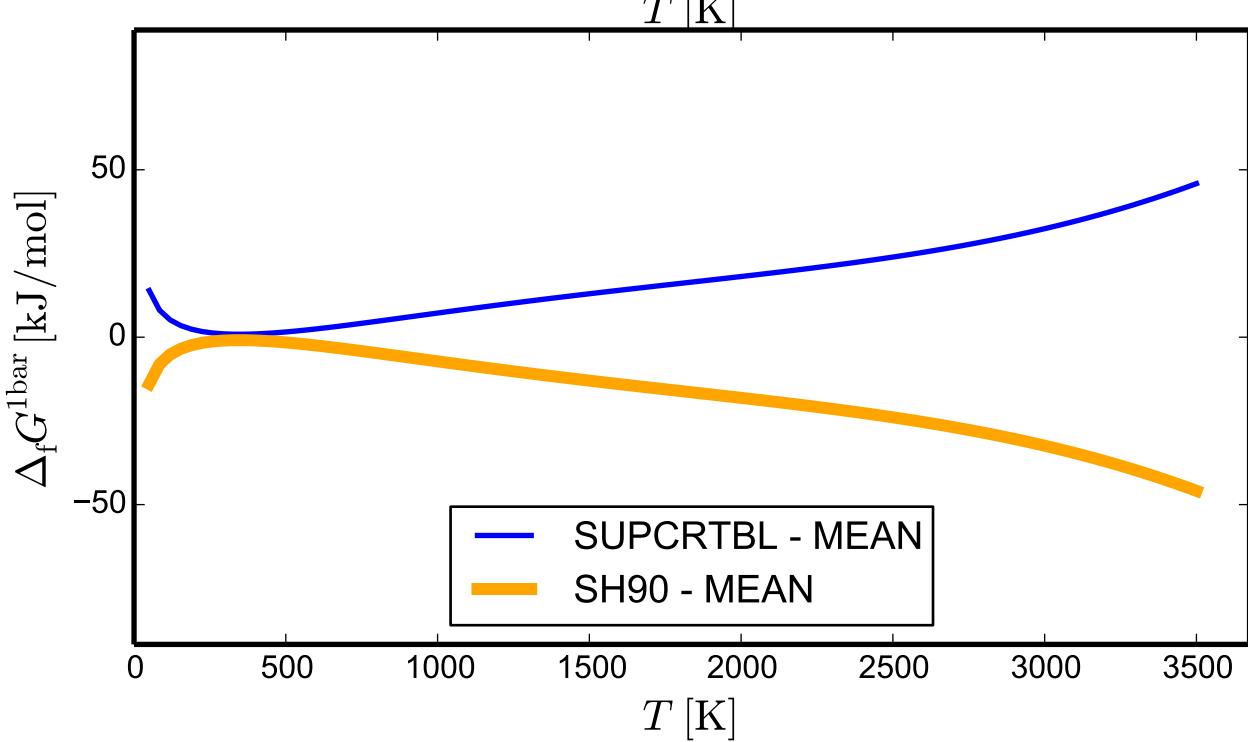
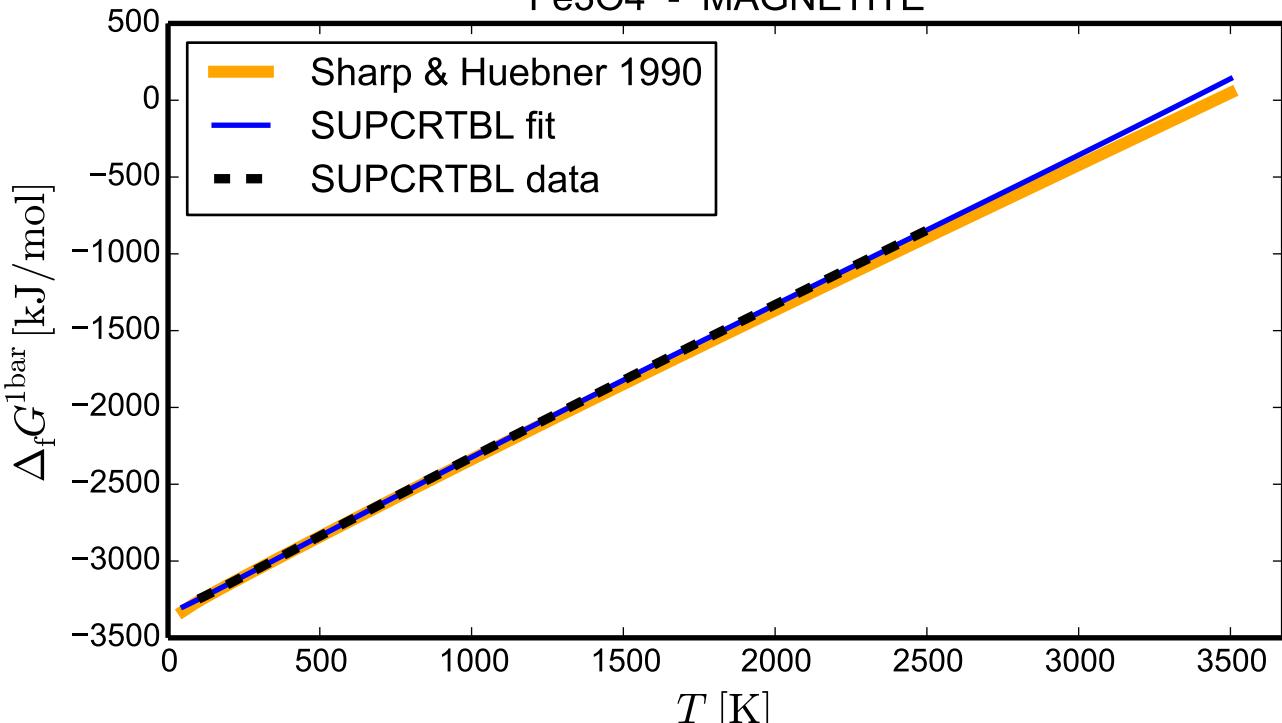
# Fe<sub>2</sub>O<sub>3</sub> - HEMATITE



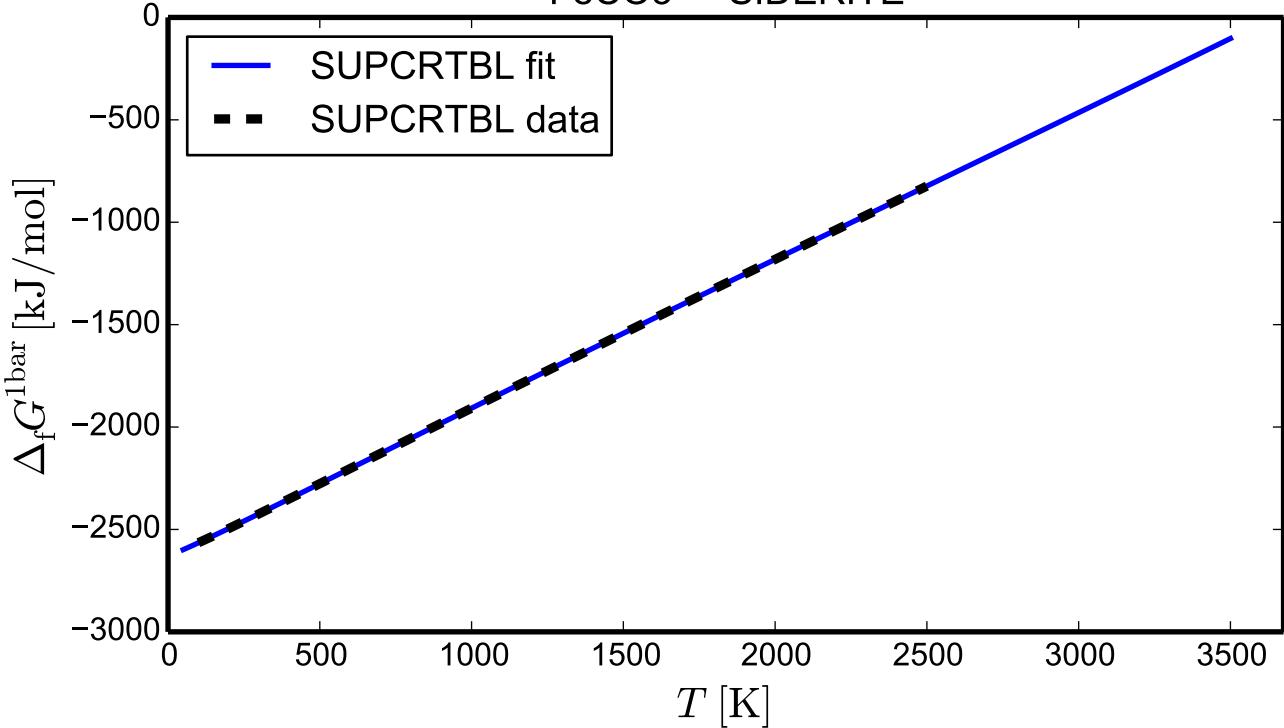
$T$  [K]



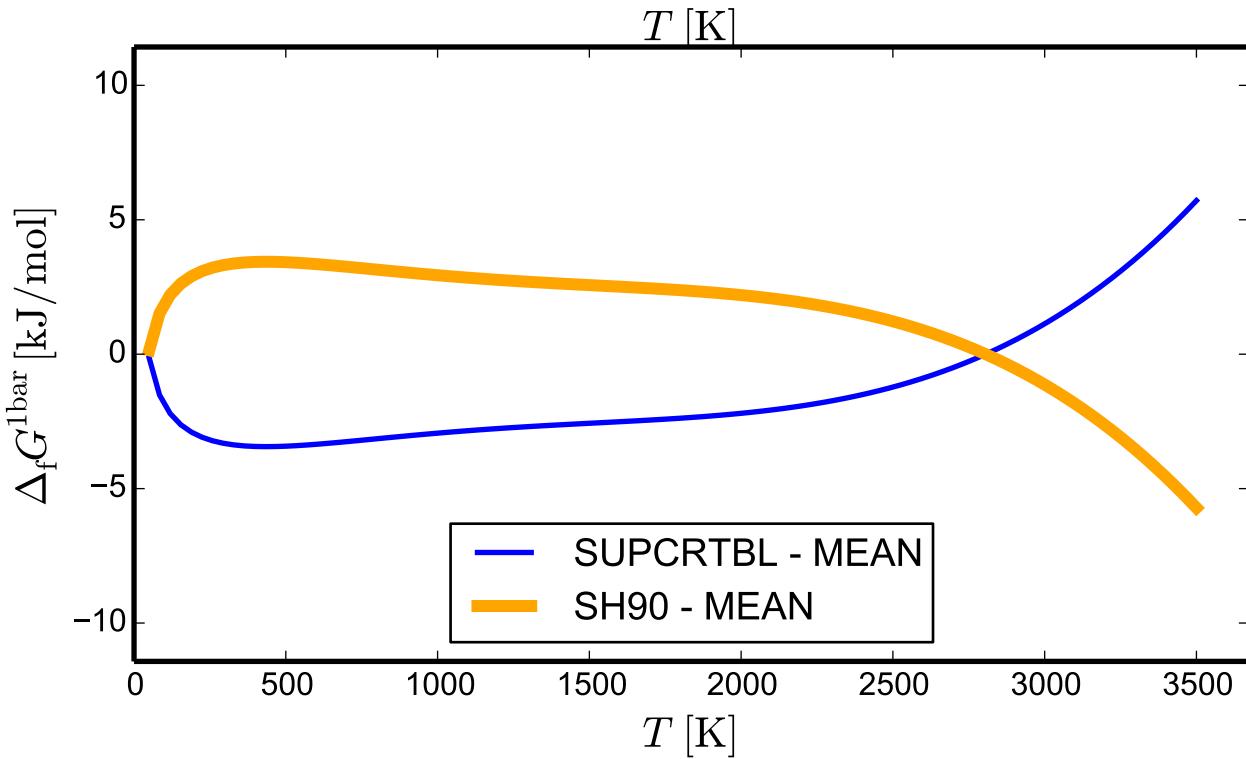
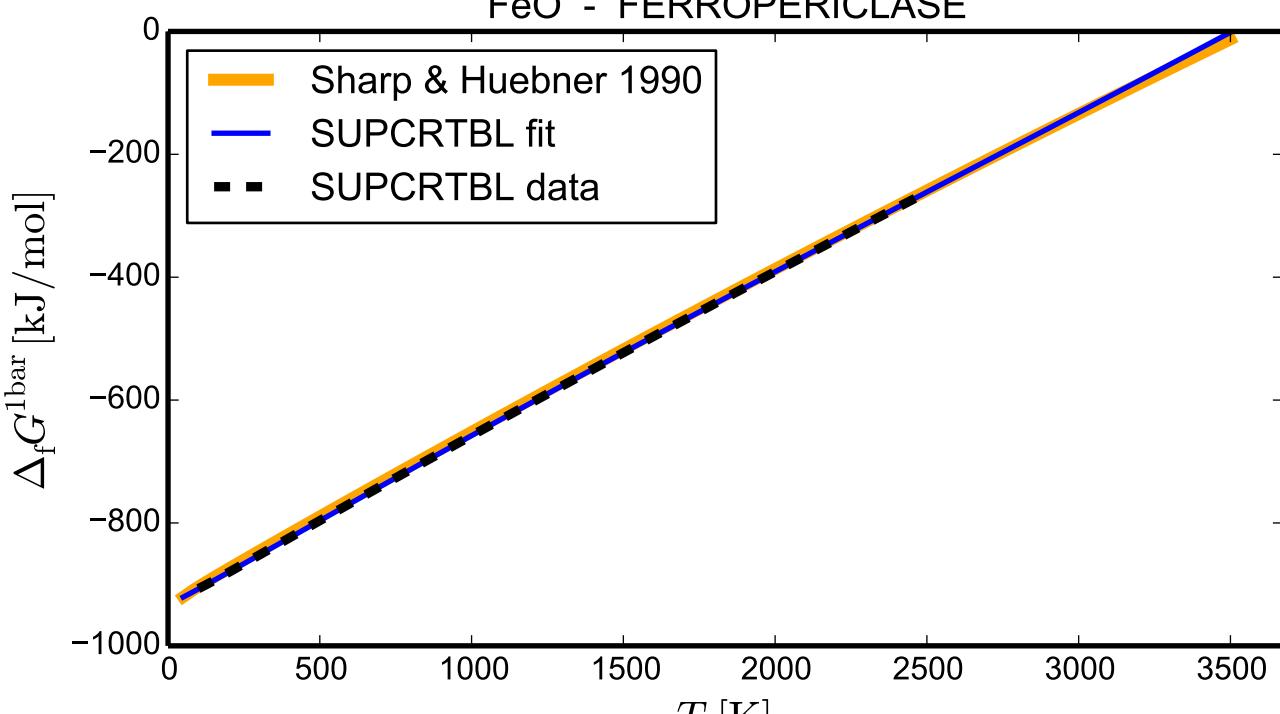
# Fe<sub>3</sub>O<sub>4</sub> - MAGNETITE



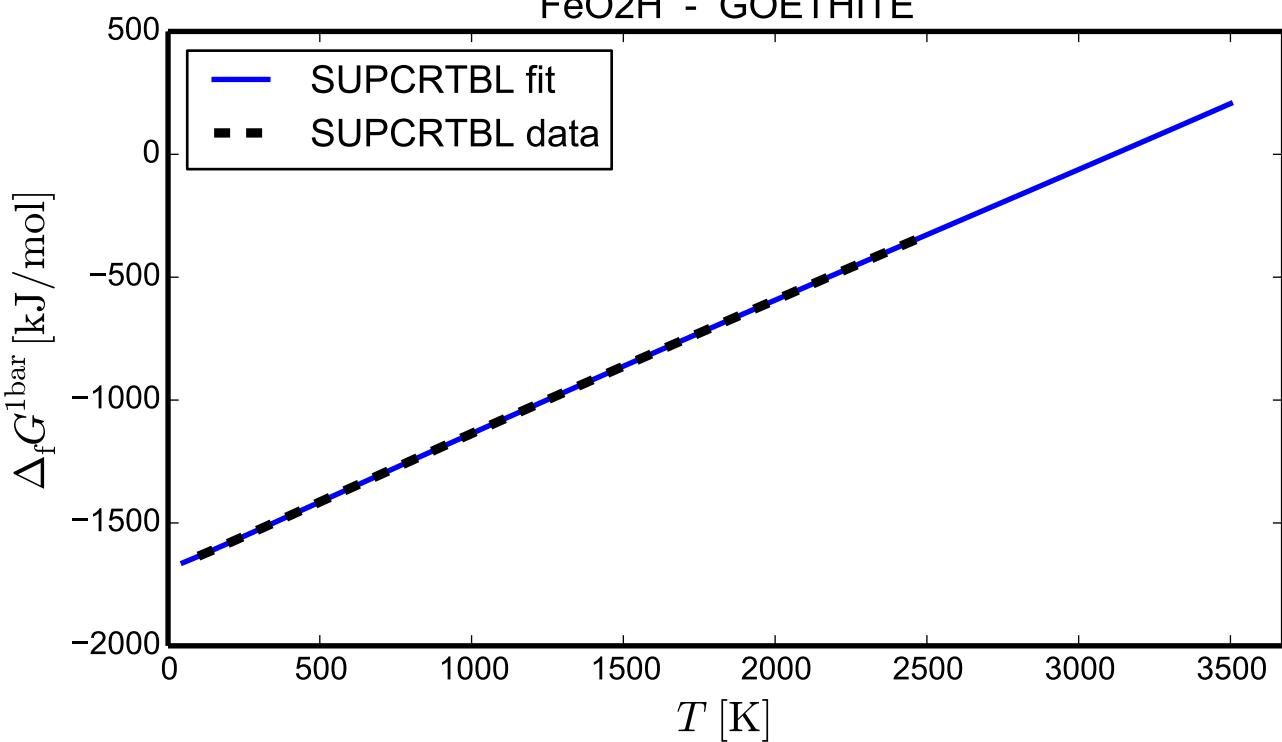
# FeCO<sub>3</sub> - SIDERITE



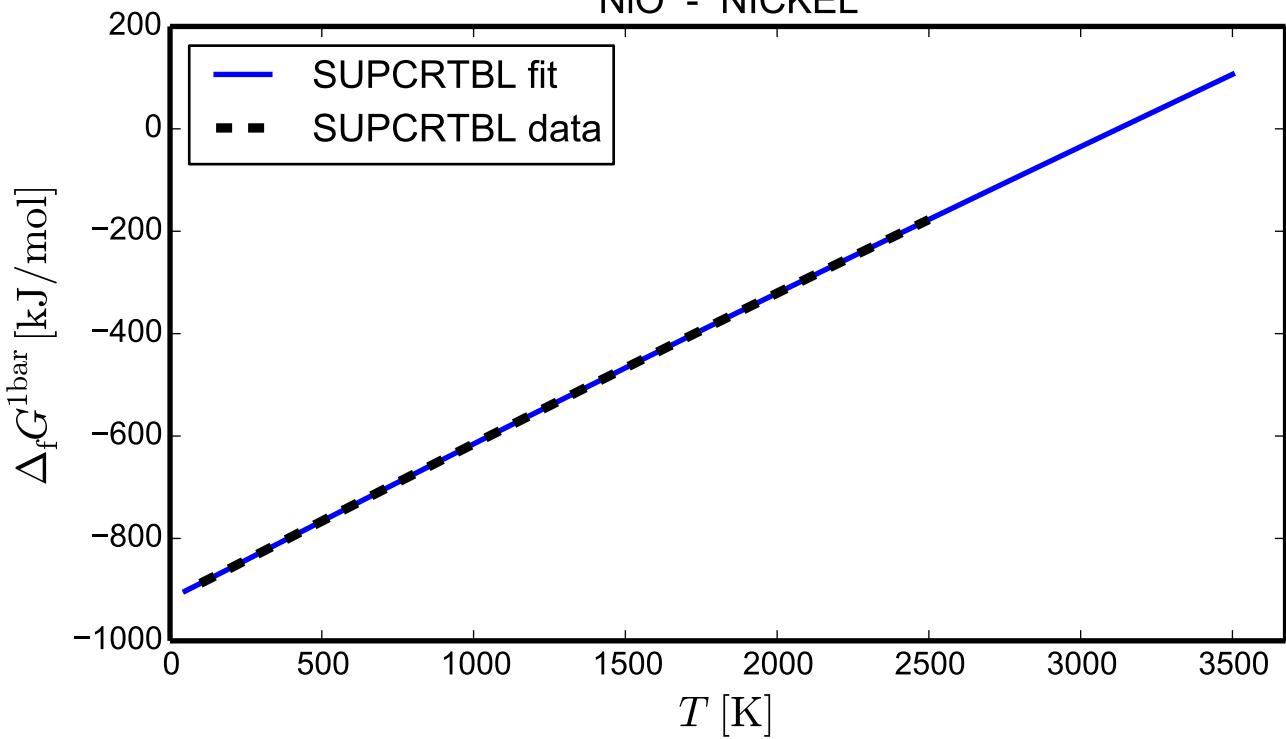
# FeO - FERROPERICLASE



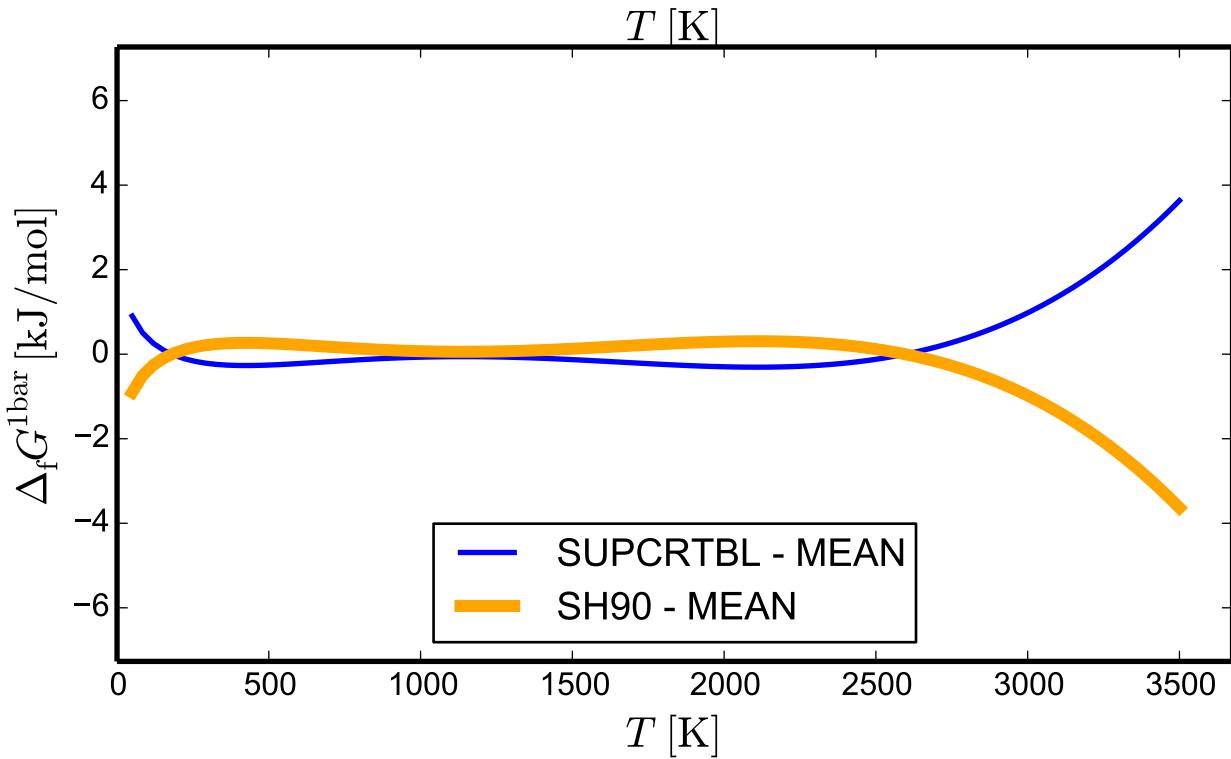
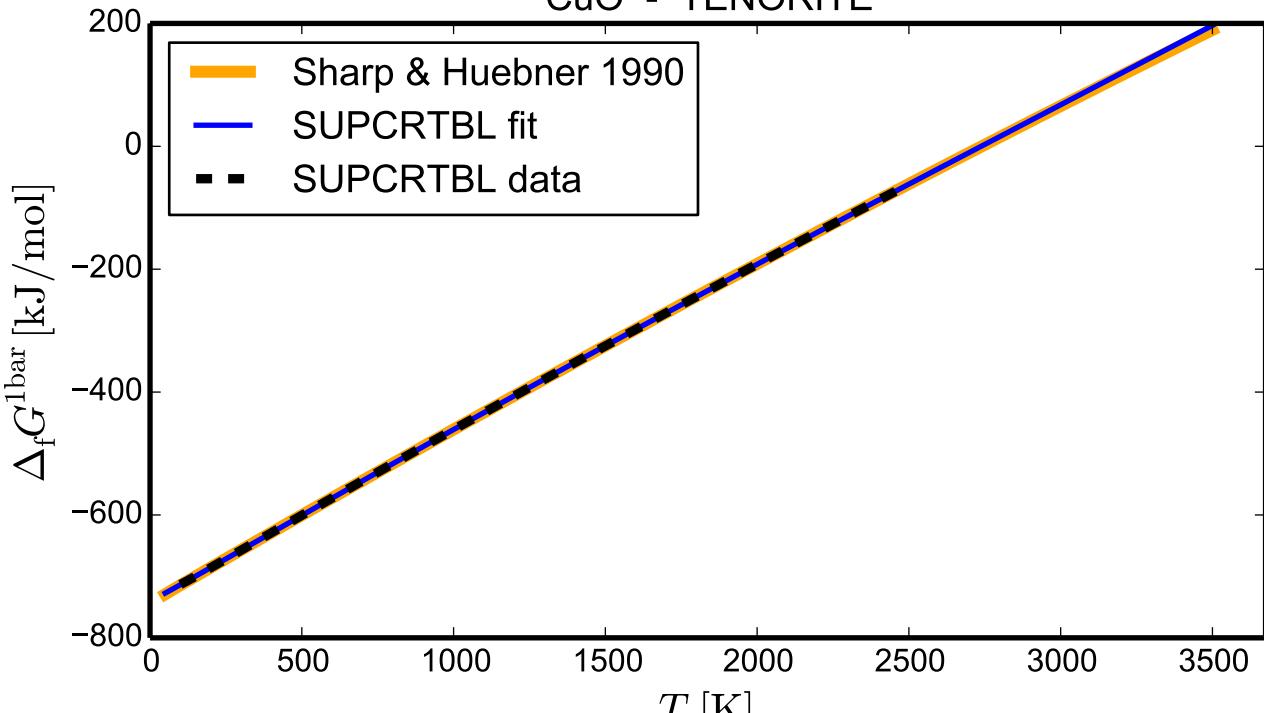
# FeO<sub>2</sub>H - GOETHITE



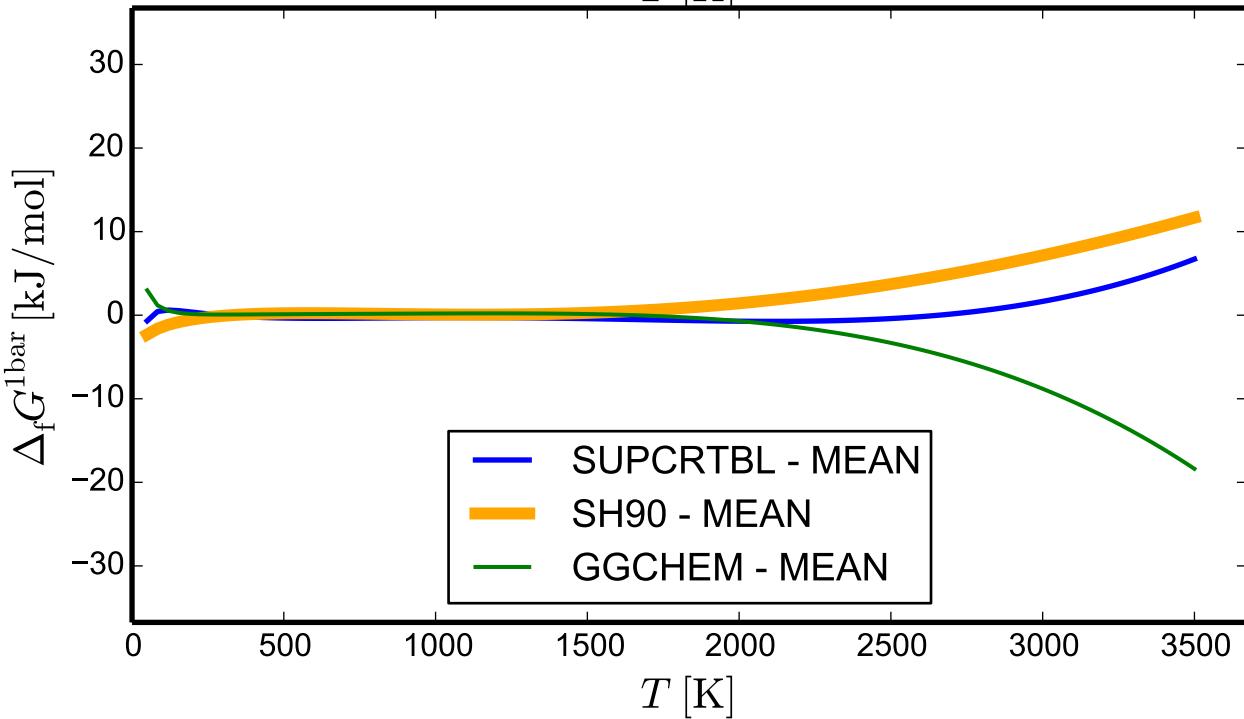
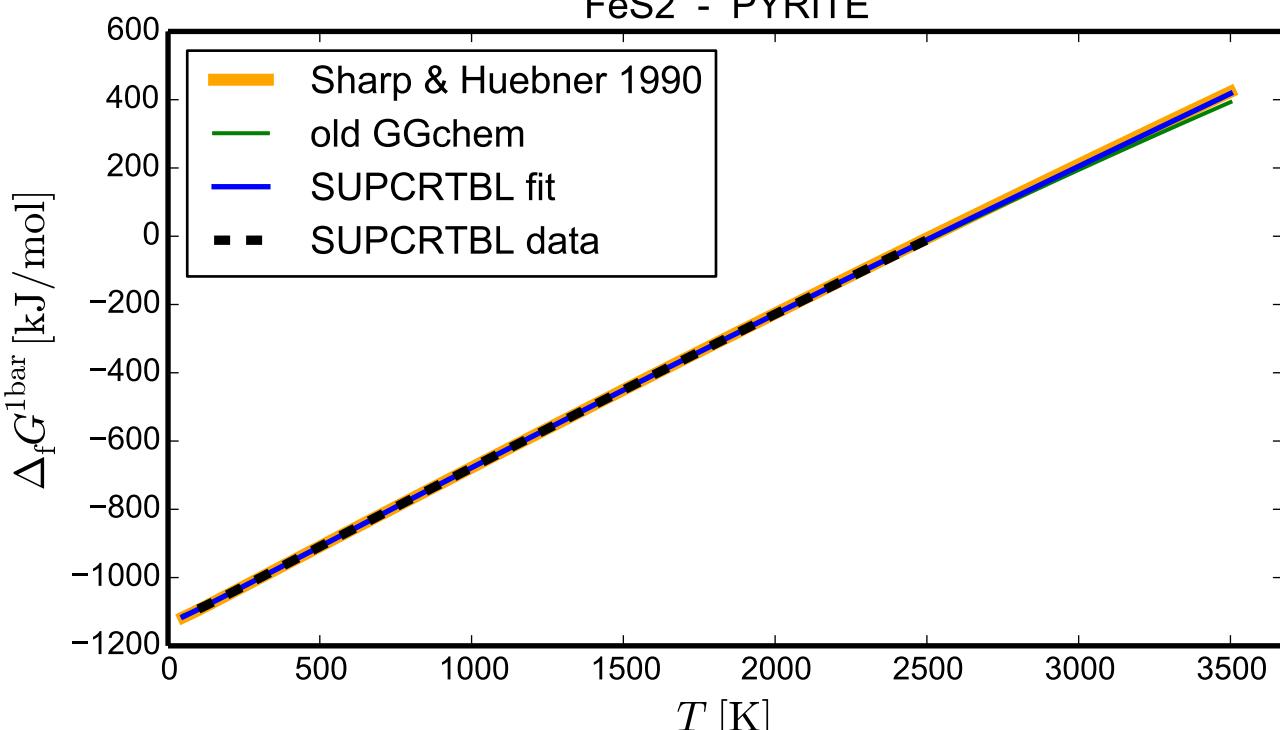
# NiO - NICKEL



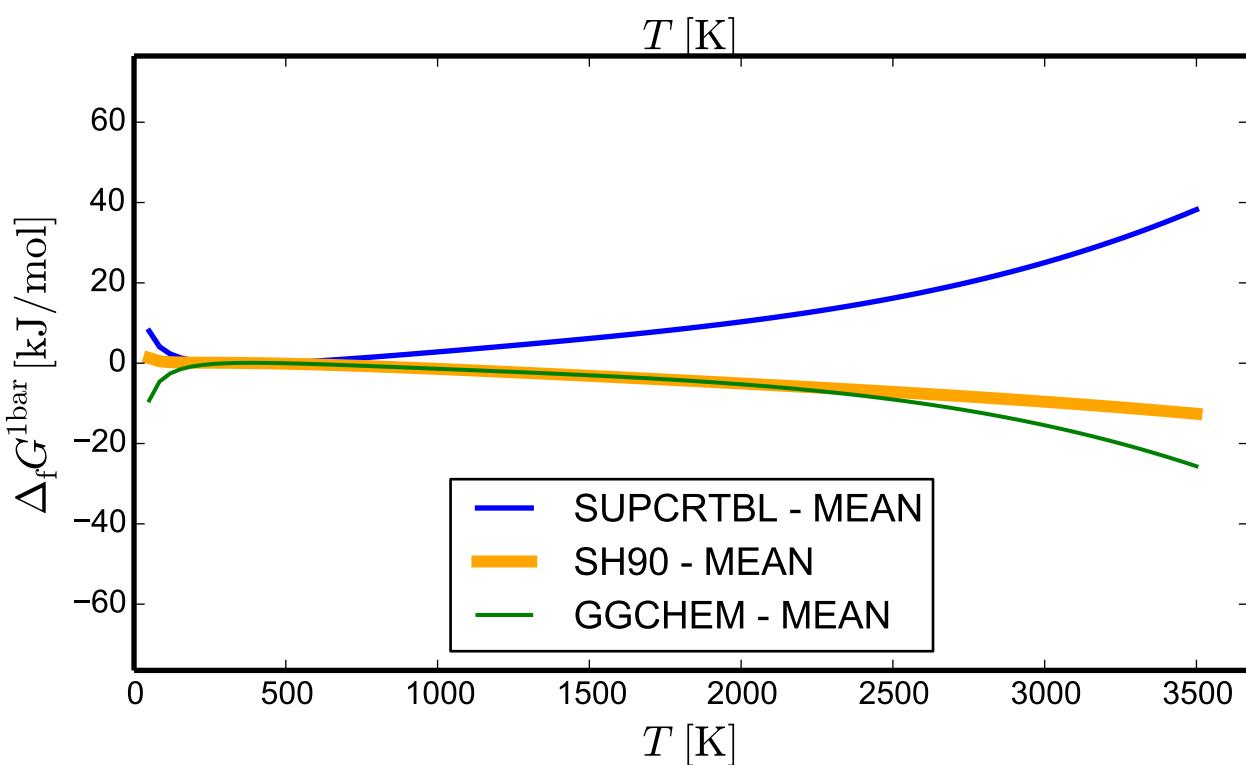
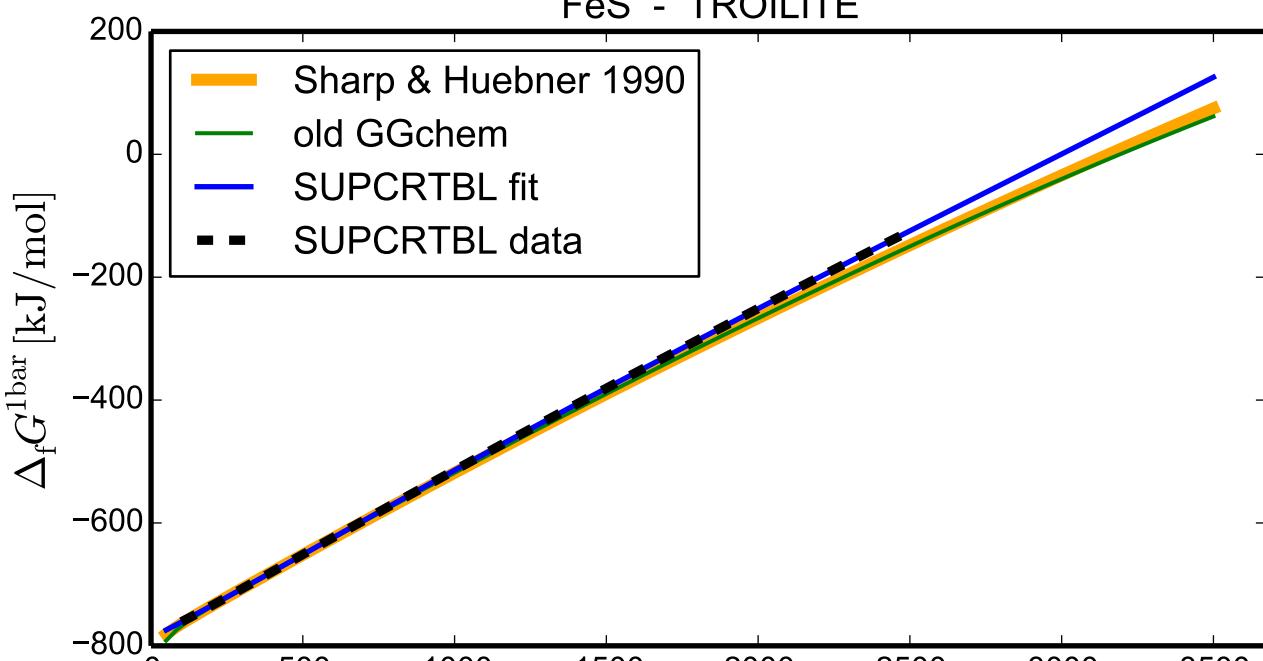
# CuO - TENORITE



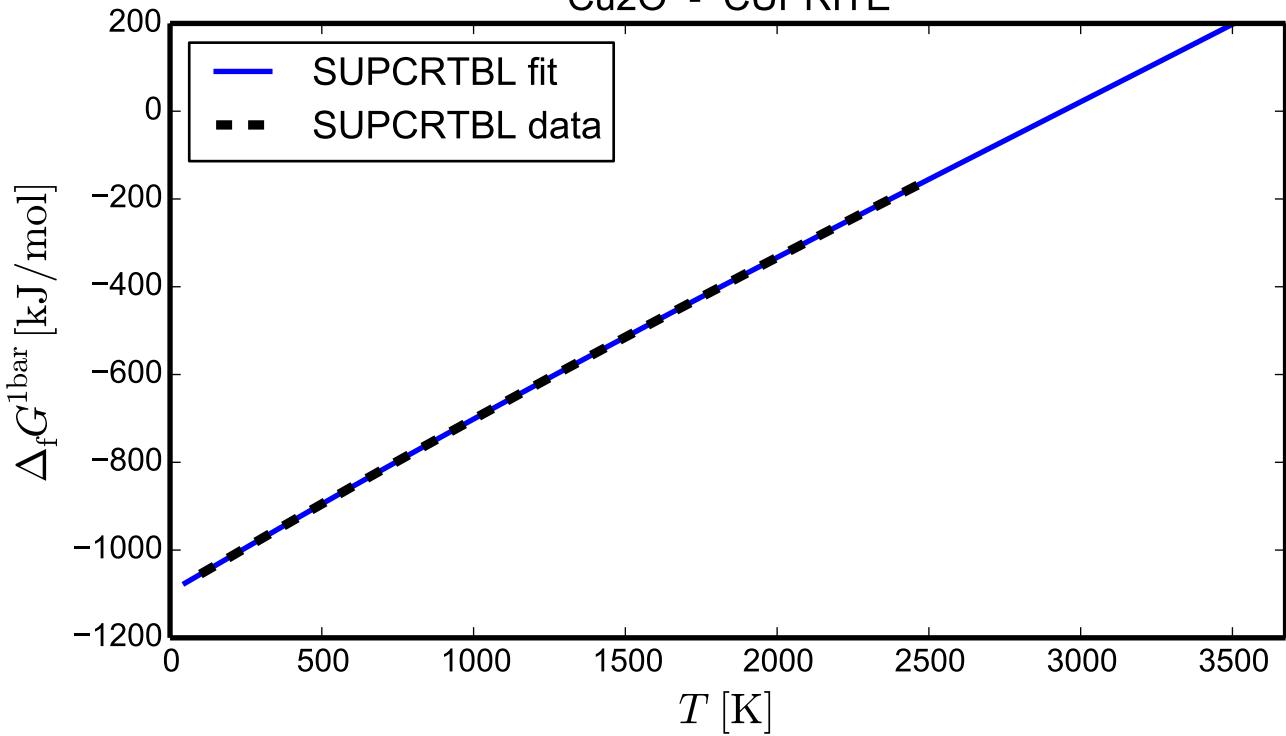
# FeS<sub>2</sub> - PYRITE



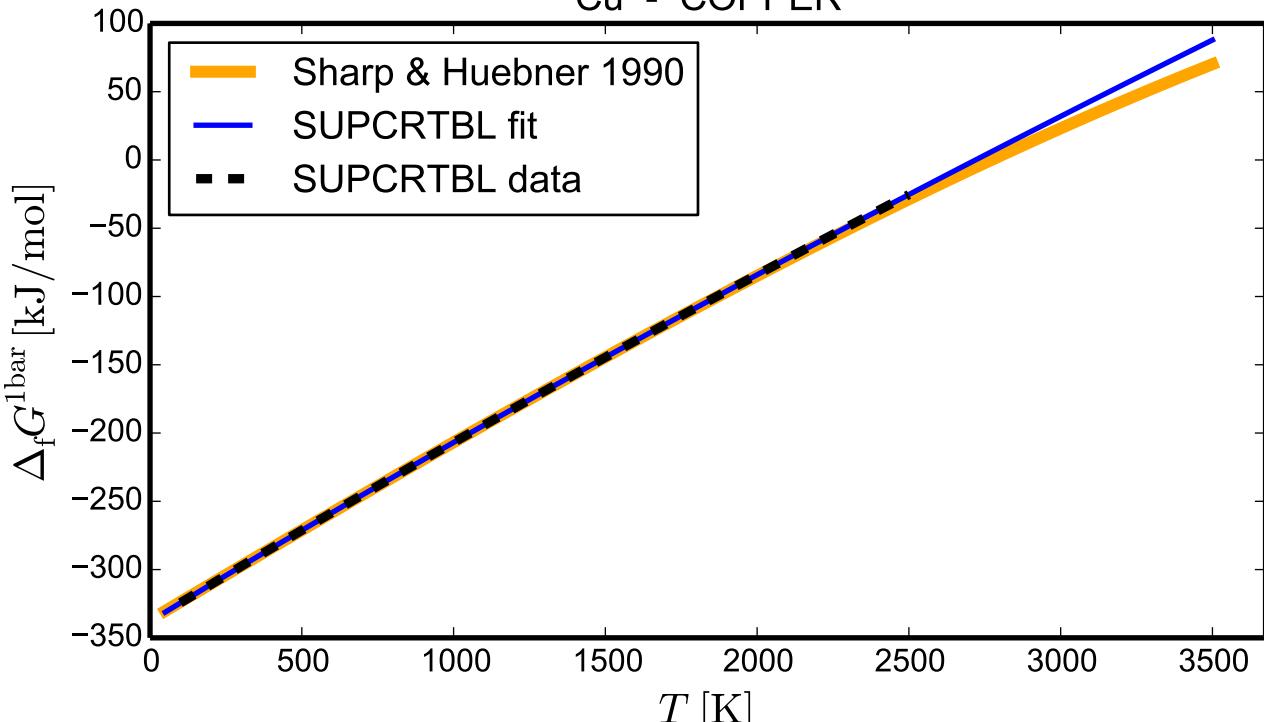
# FeS - TROILITE



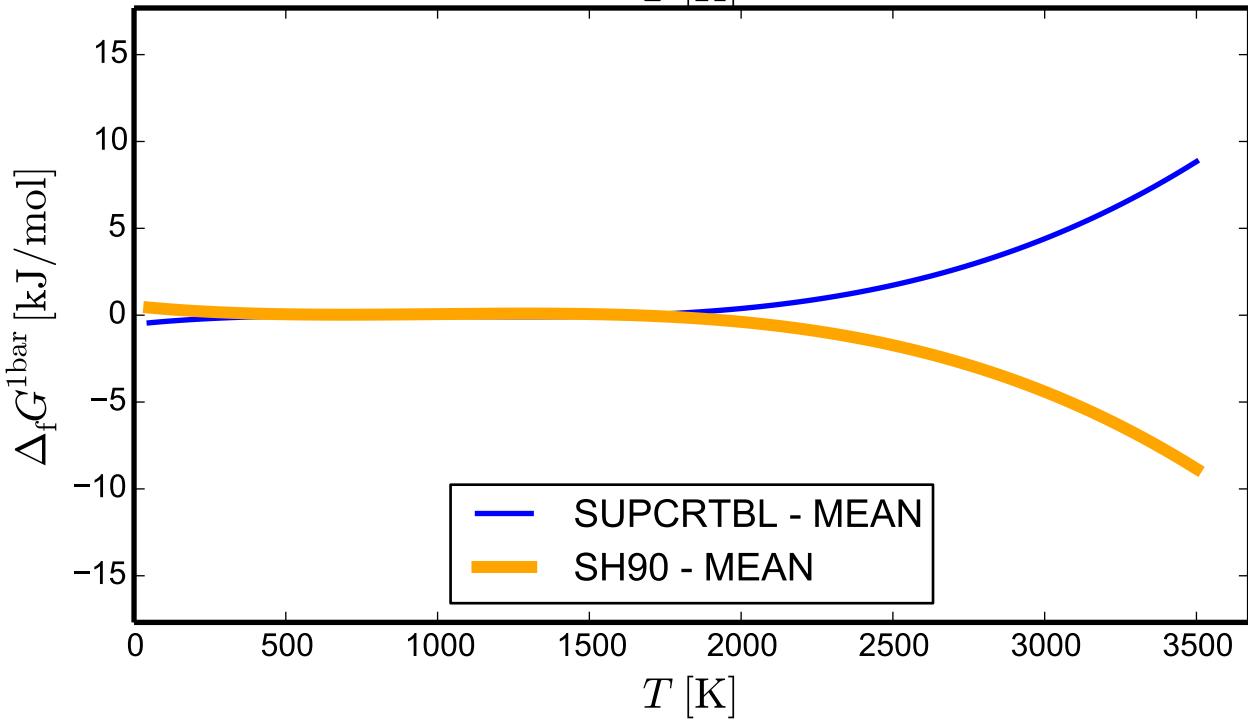
# Cu<sub>2</sub>O - CUPRITE



# Cu - COPPER



$T$  [K]

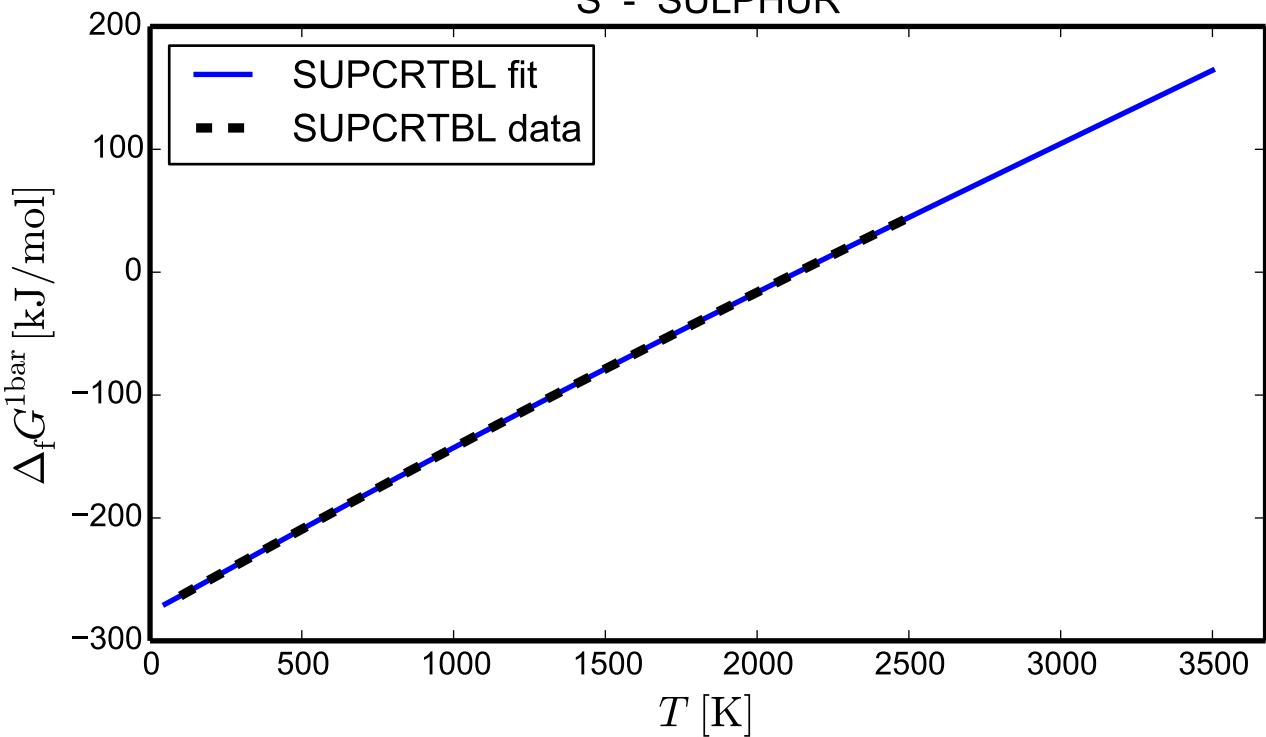


$T$  [K]

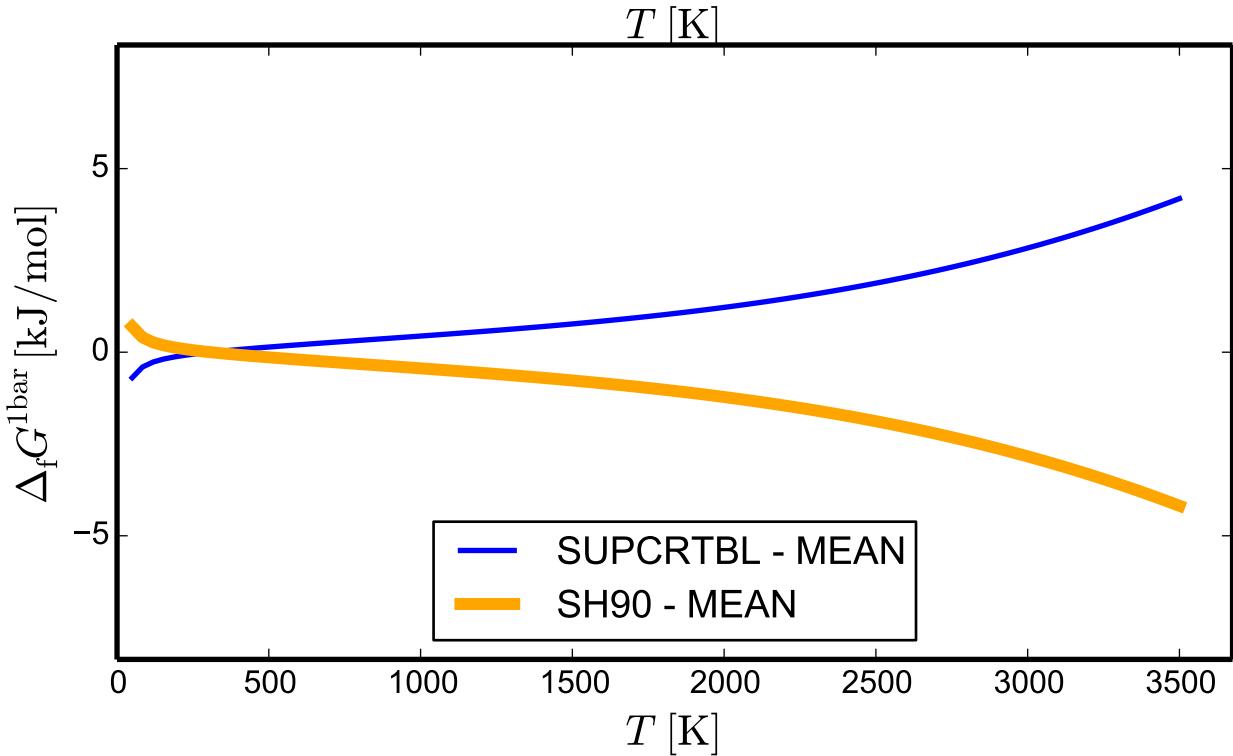
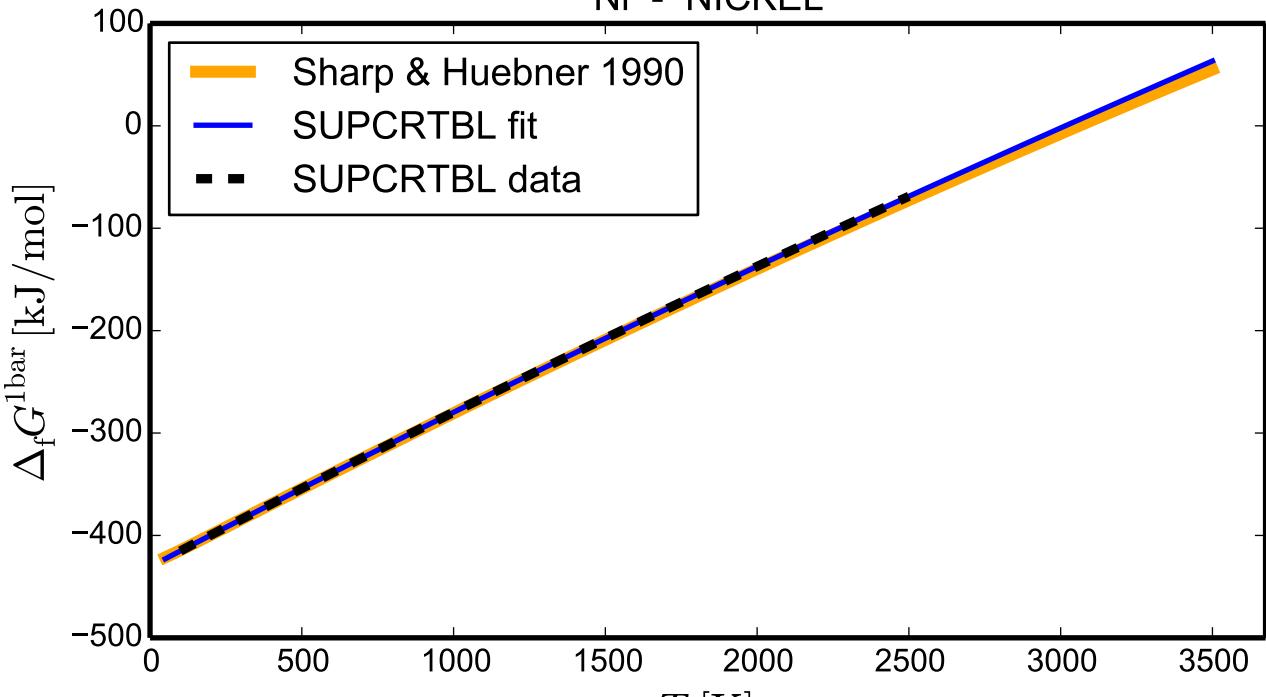
SUPCRTBL - MEAN

SH90 - MEAN

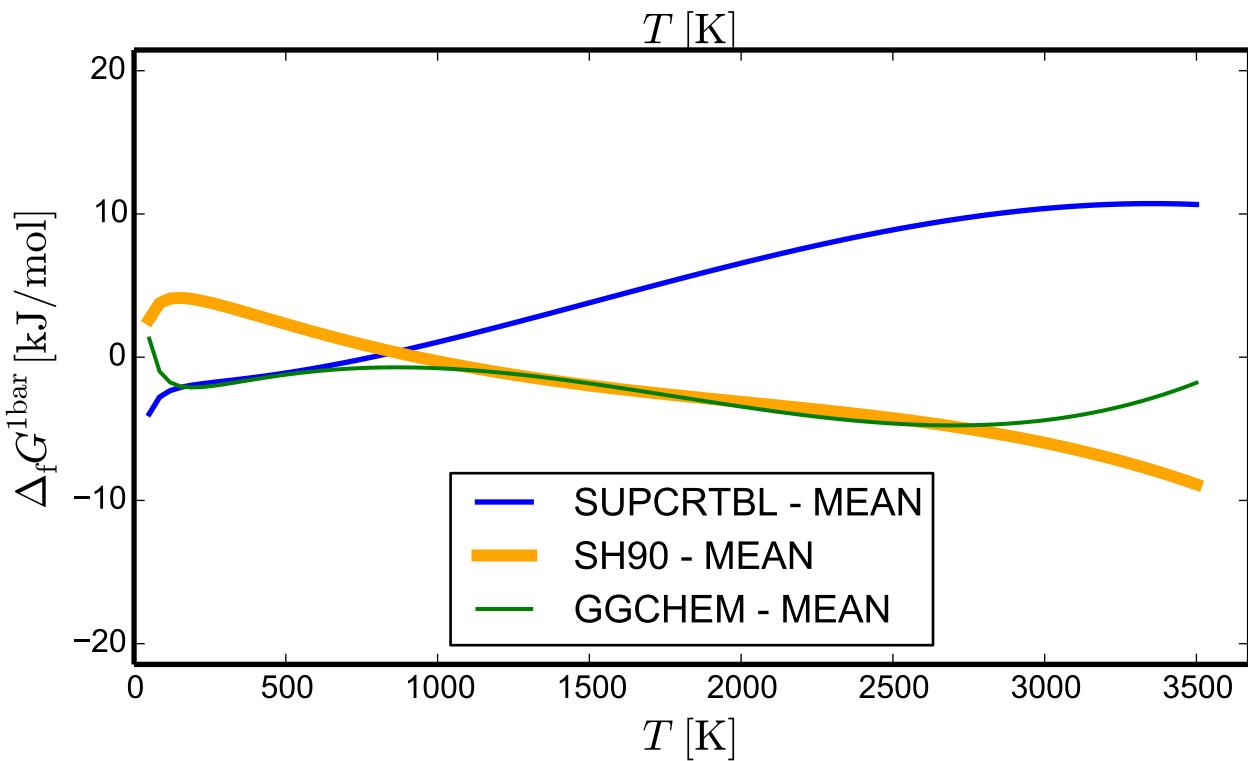
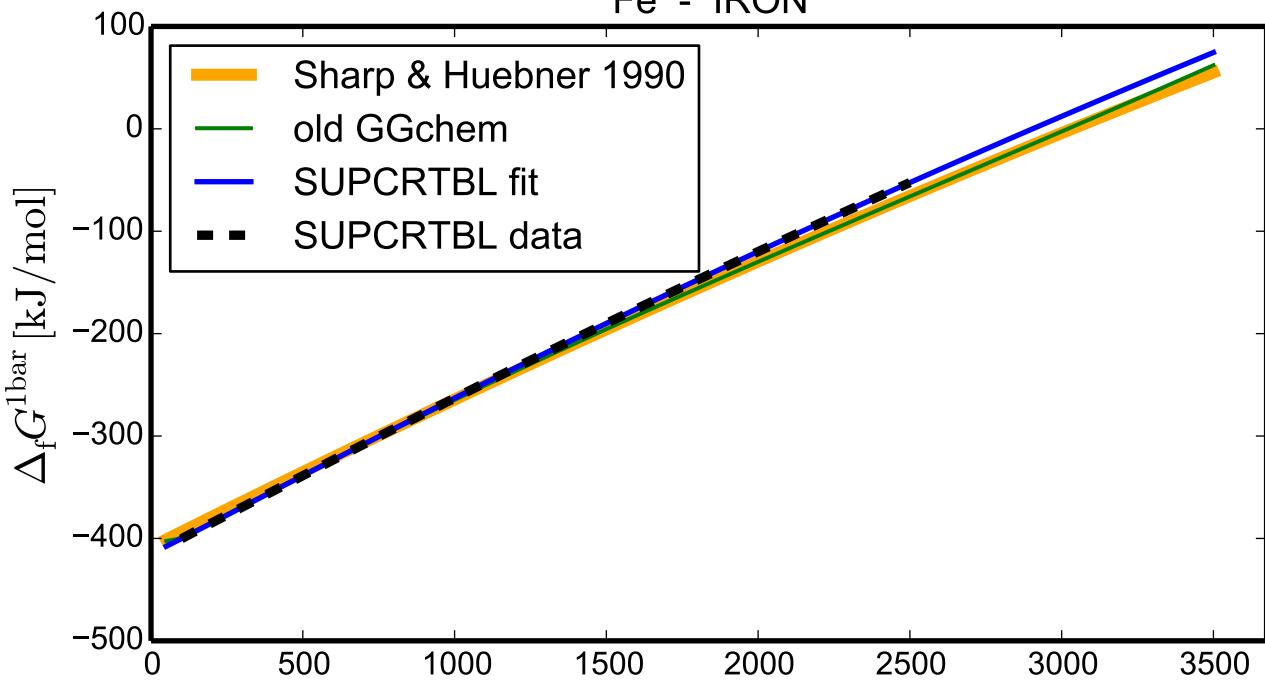
# S - SULPHUR



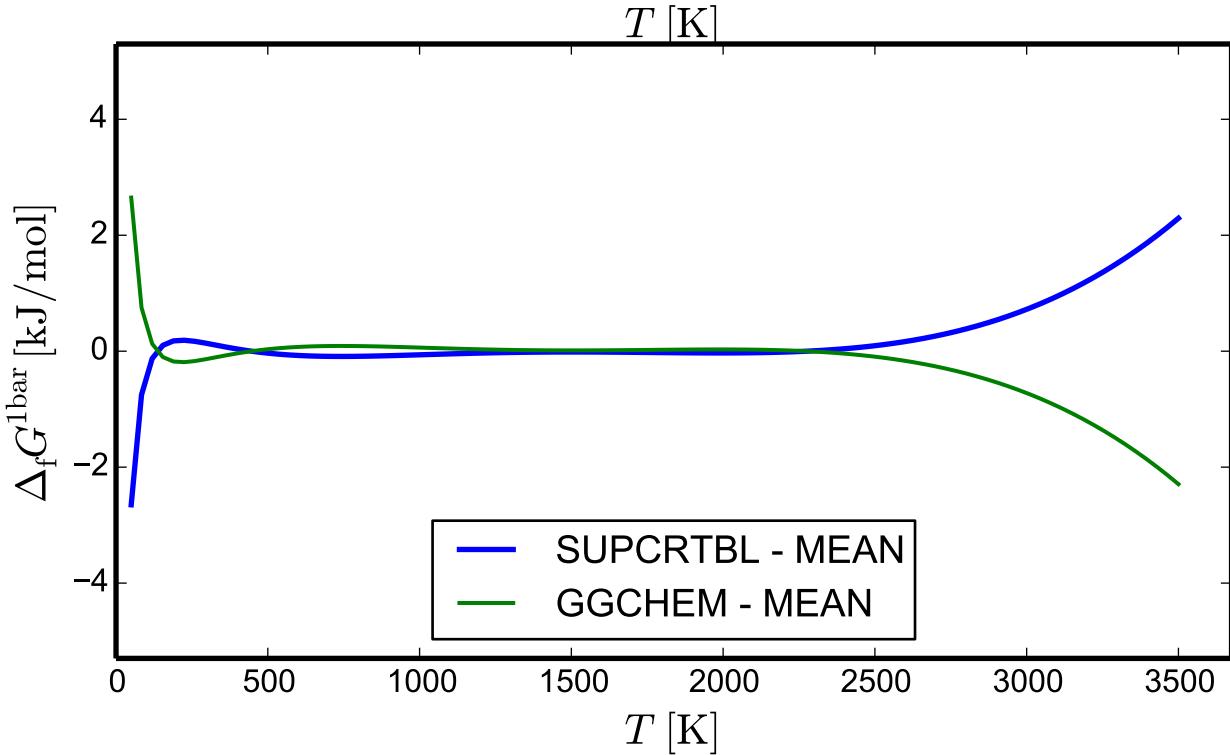
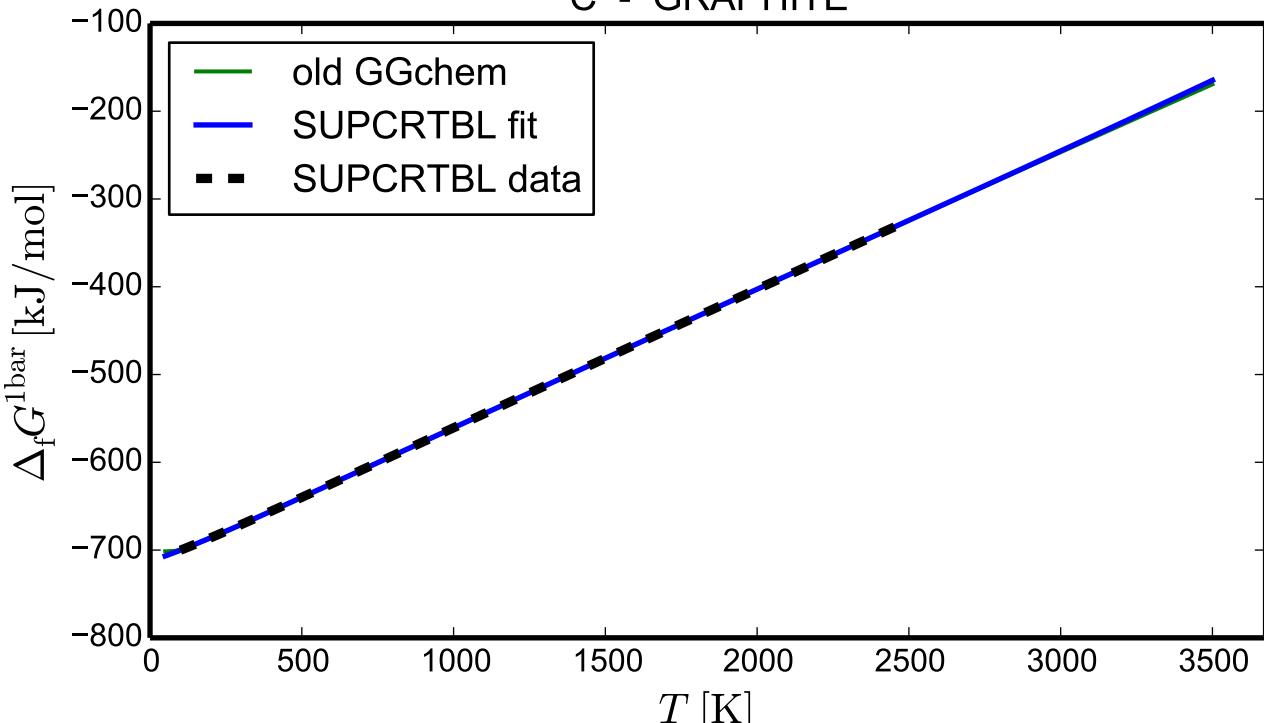
# Ni - NICKEL

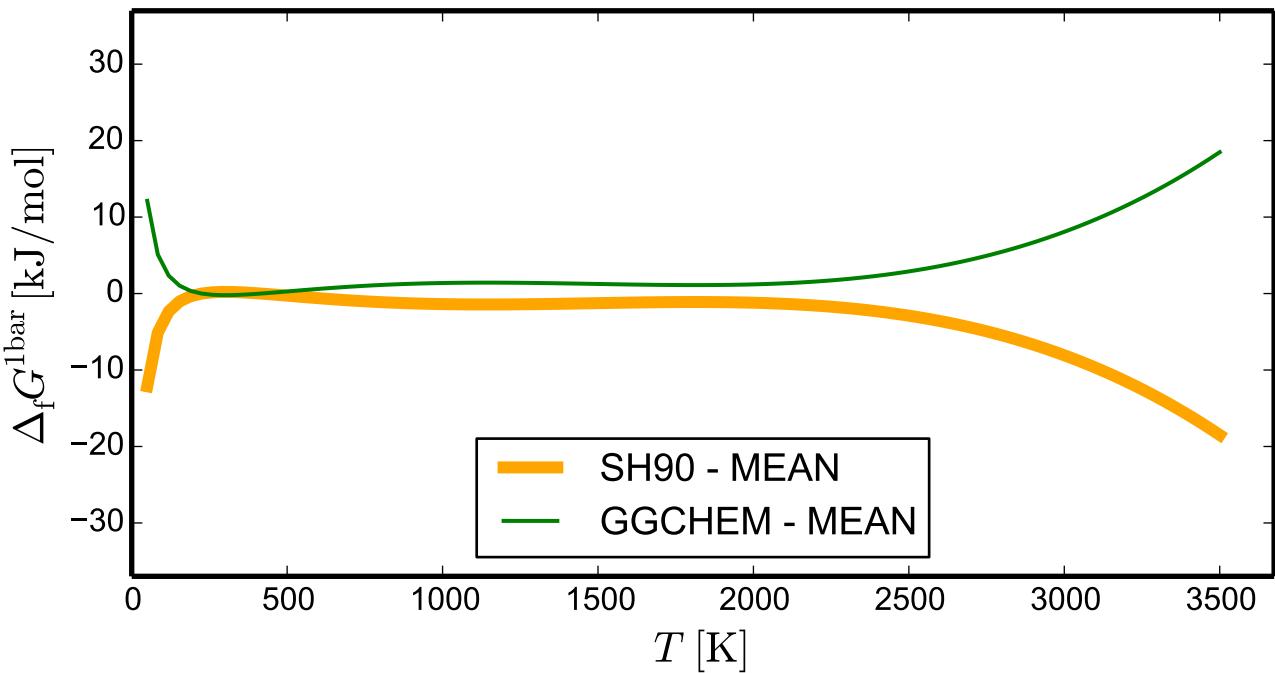
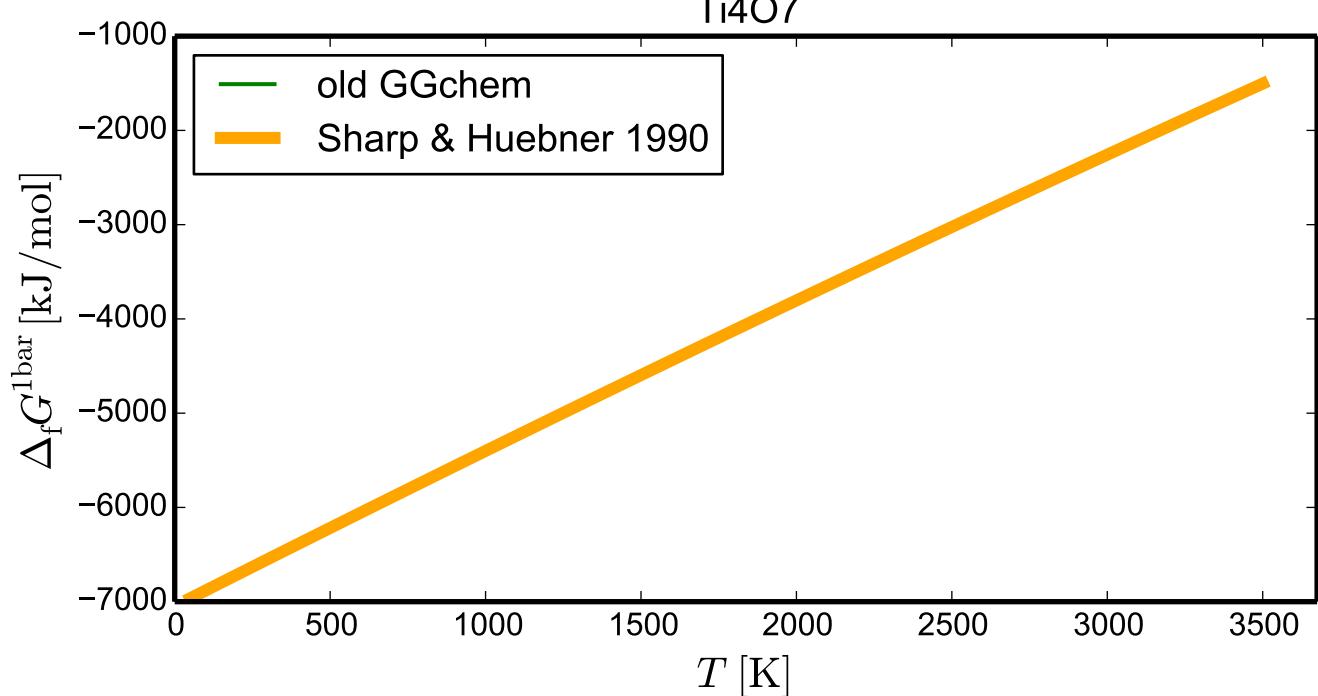


## Fe - IRON

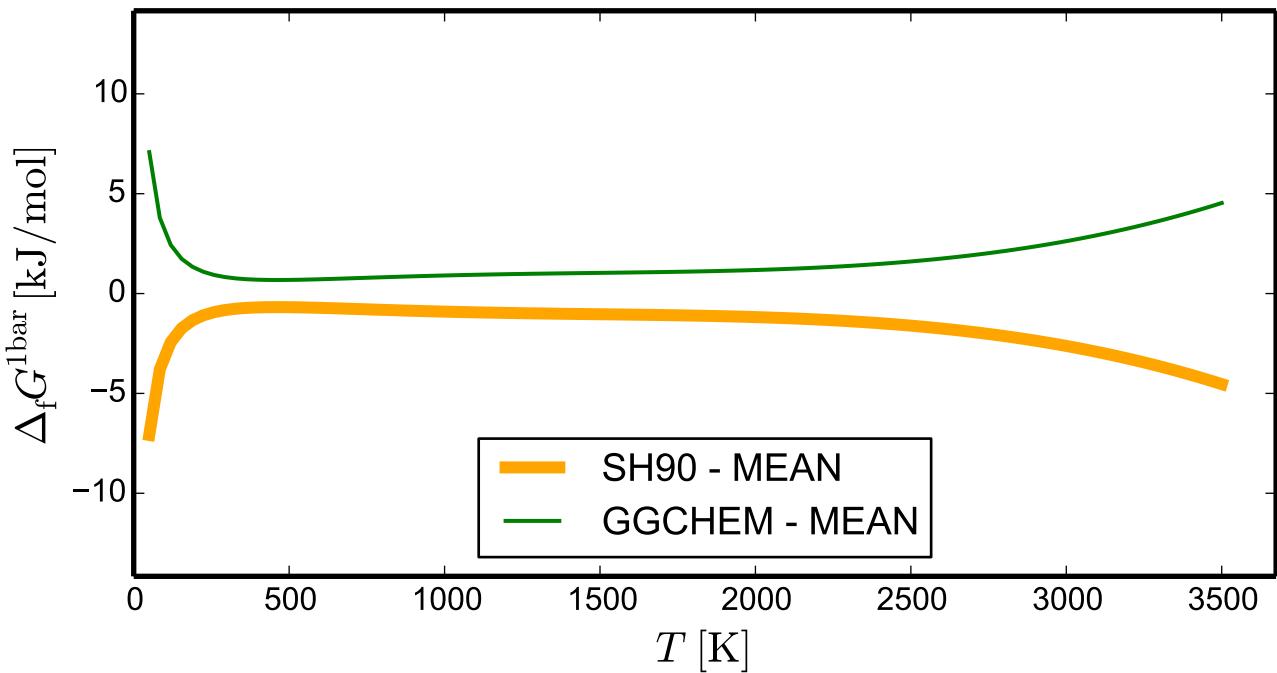
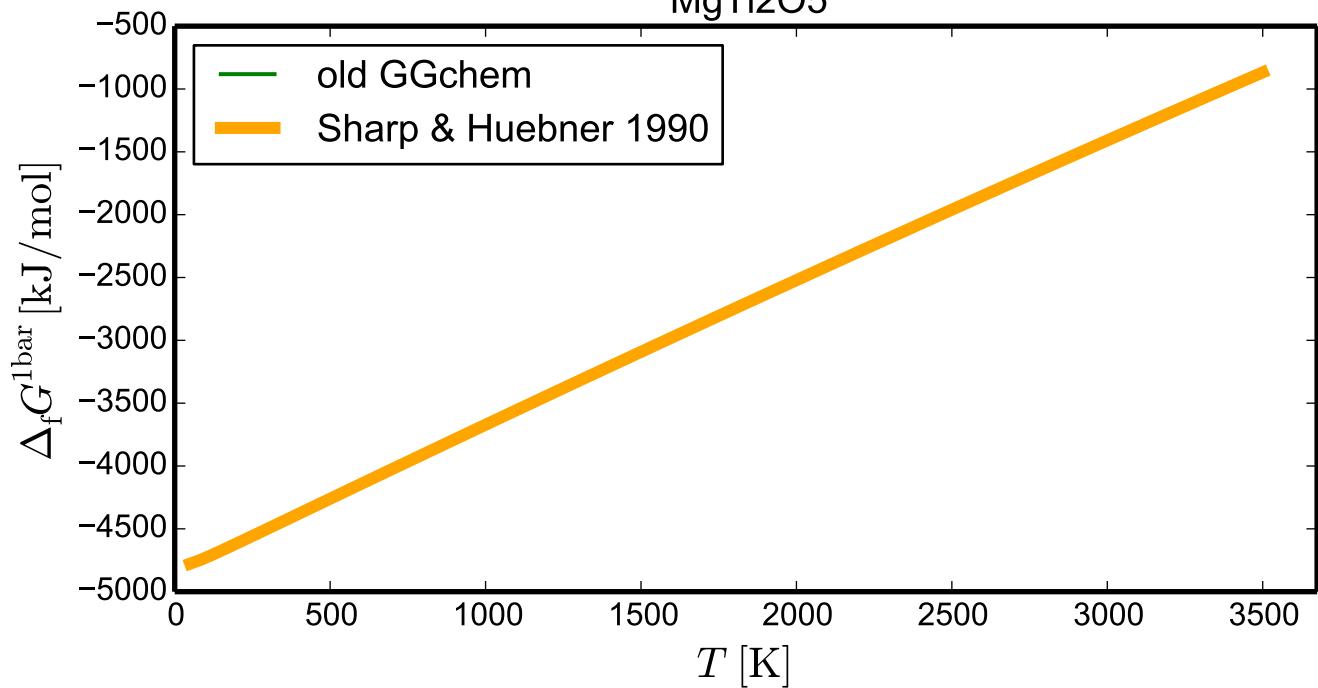


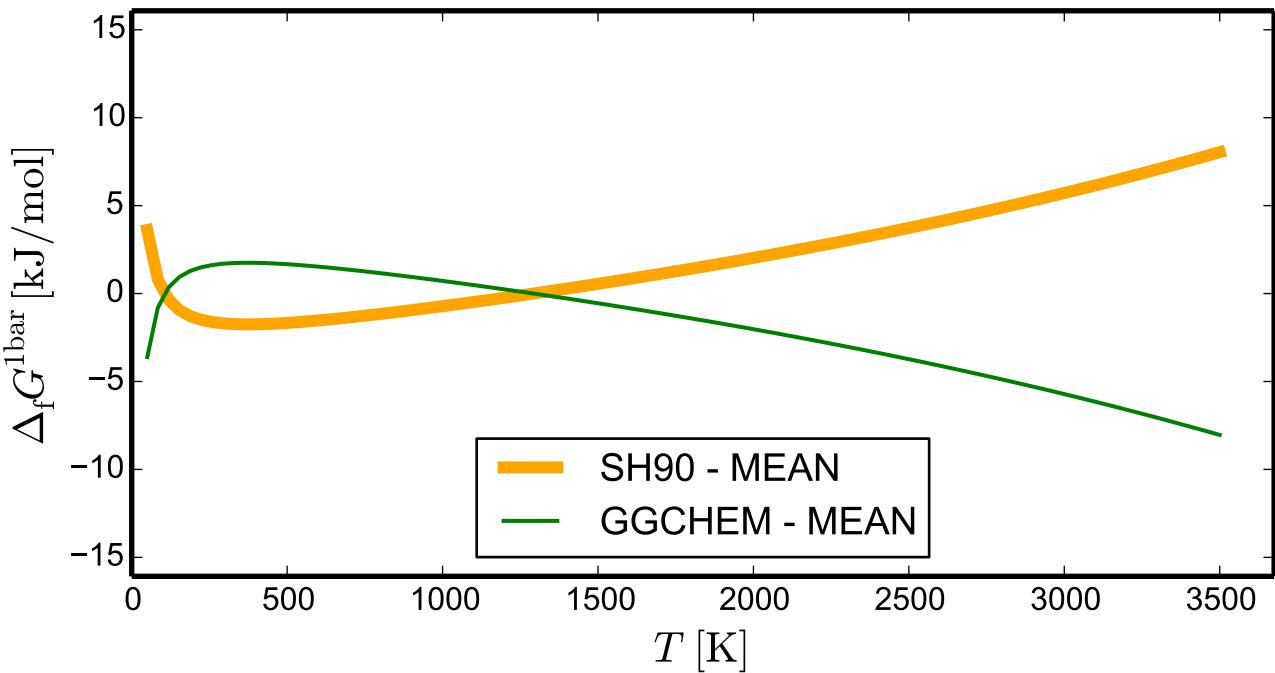
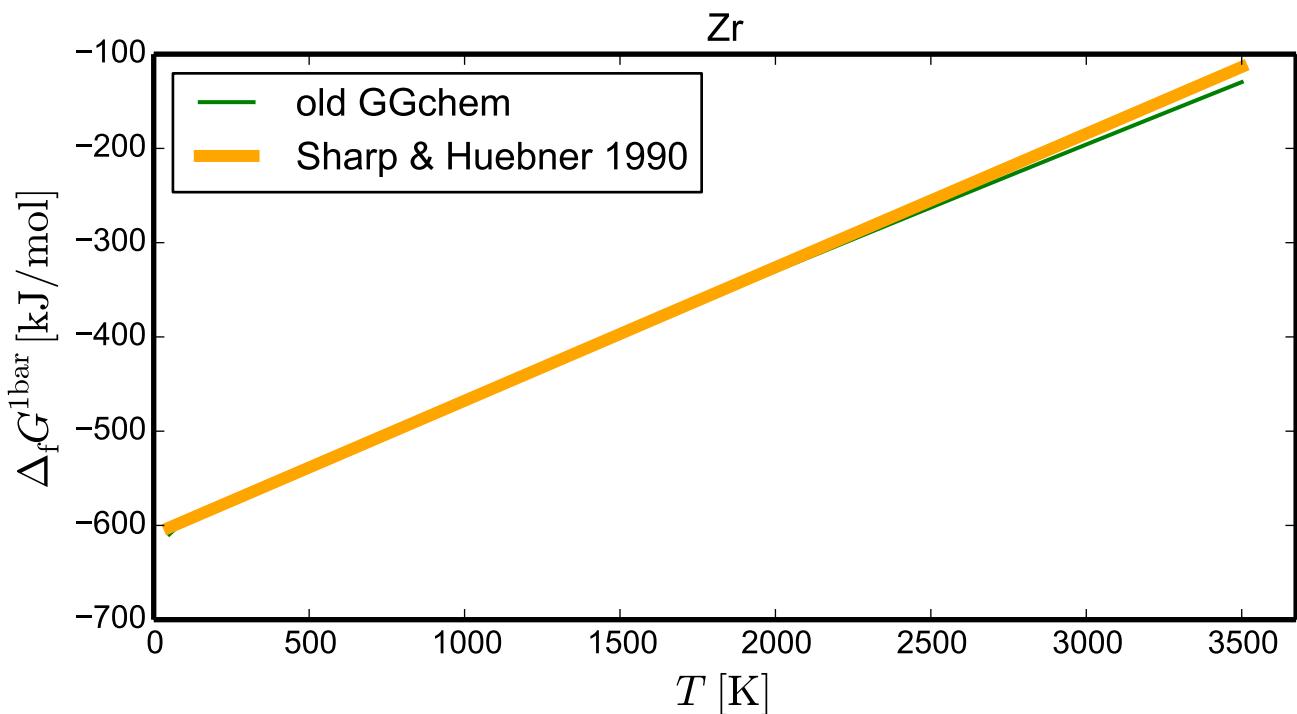
# C - GRAPHITE



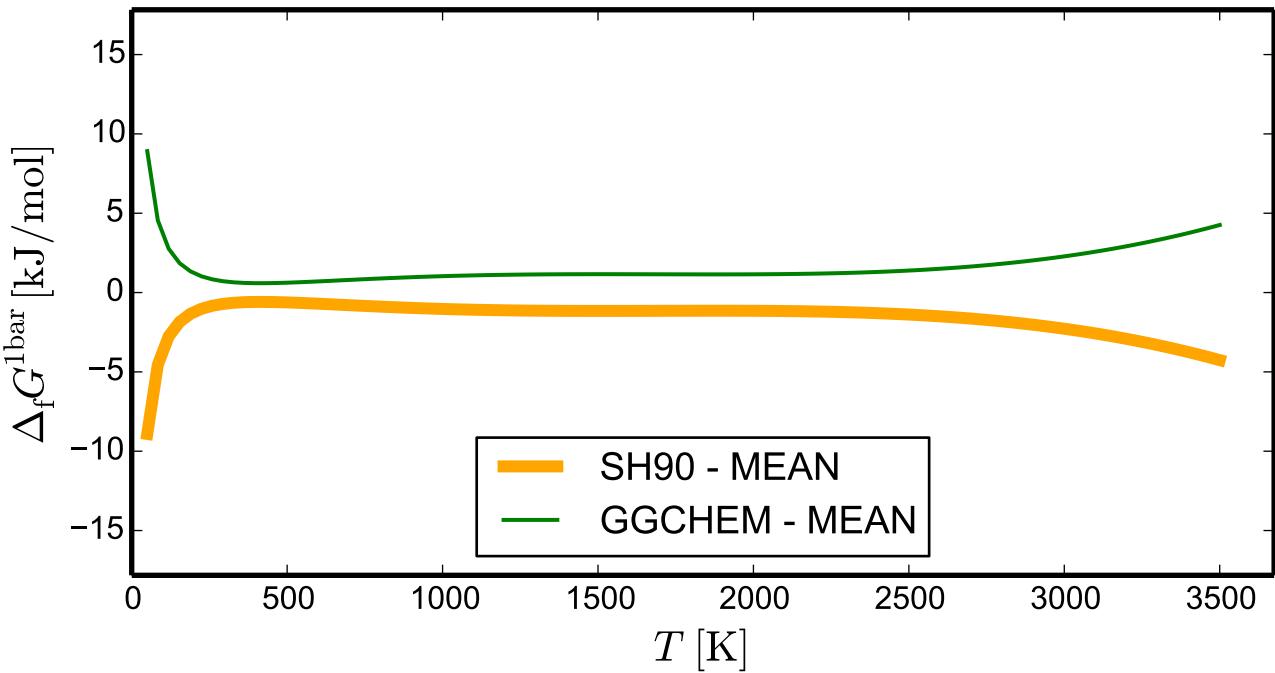
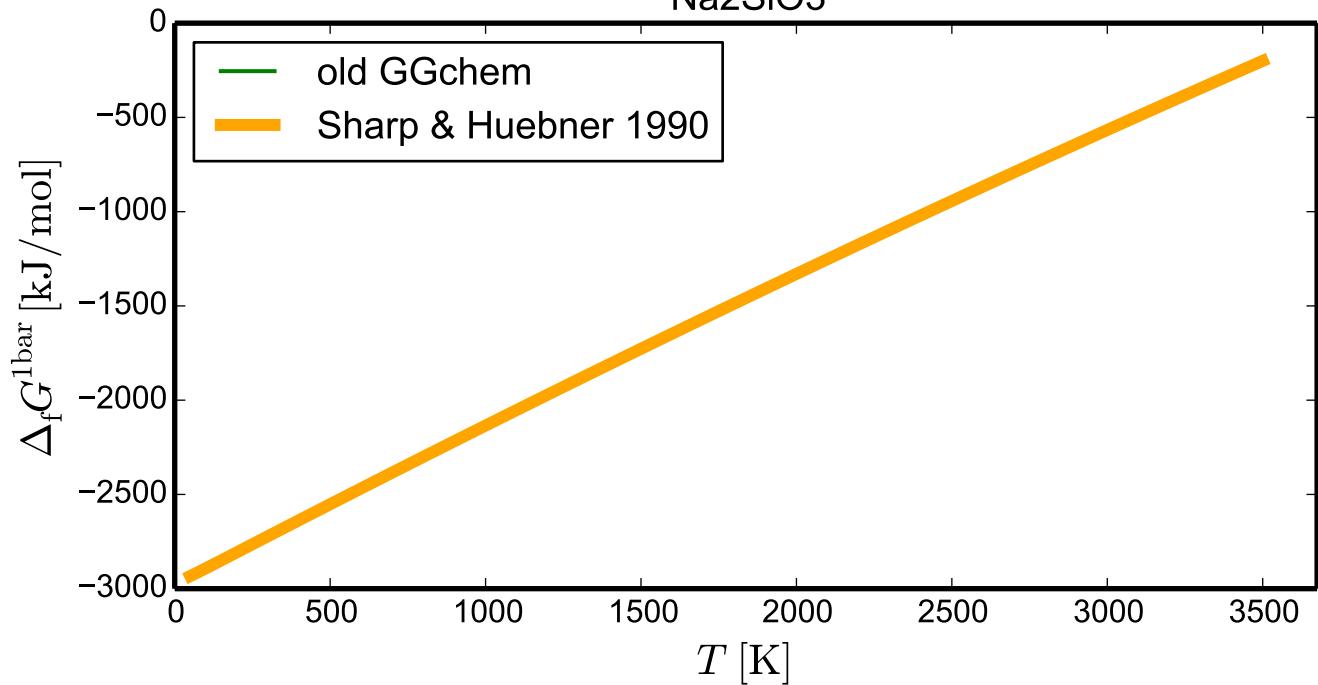
Ti<sub>4</sub>O<sub>7</sub>

# MgTi<sub>2</sub>O<sub>5</sub>

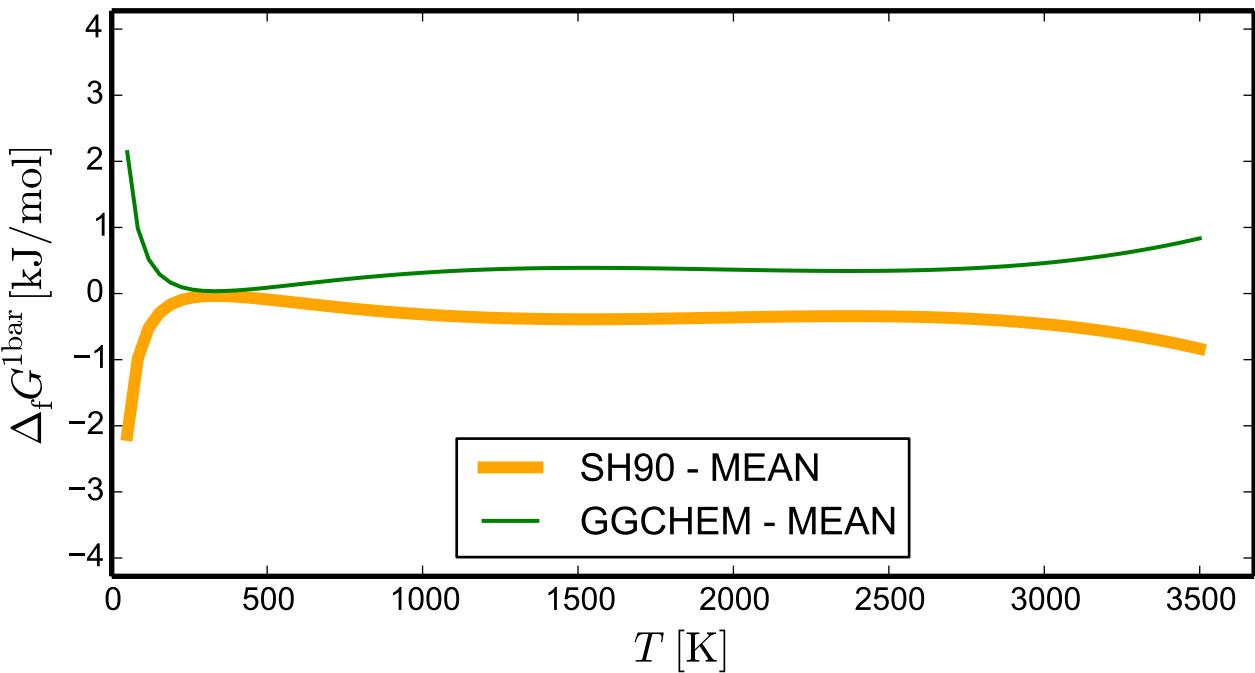
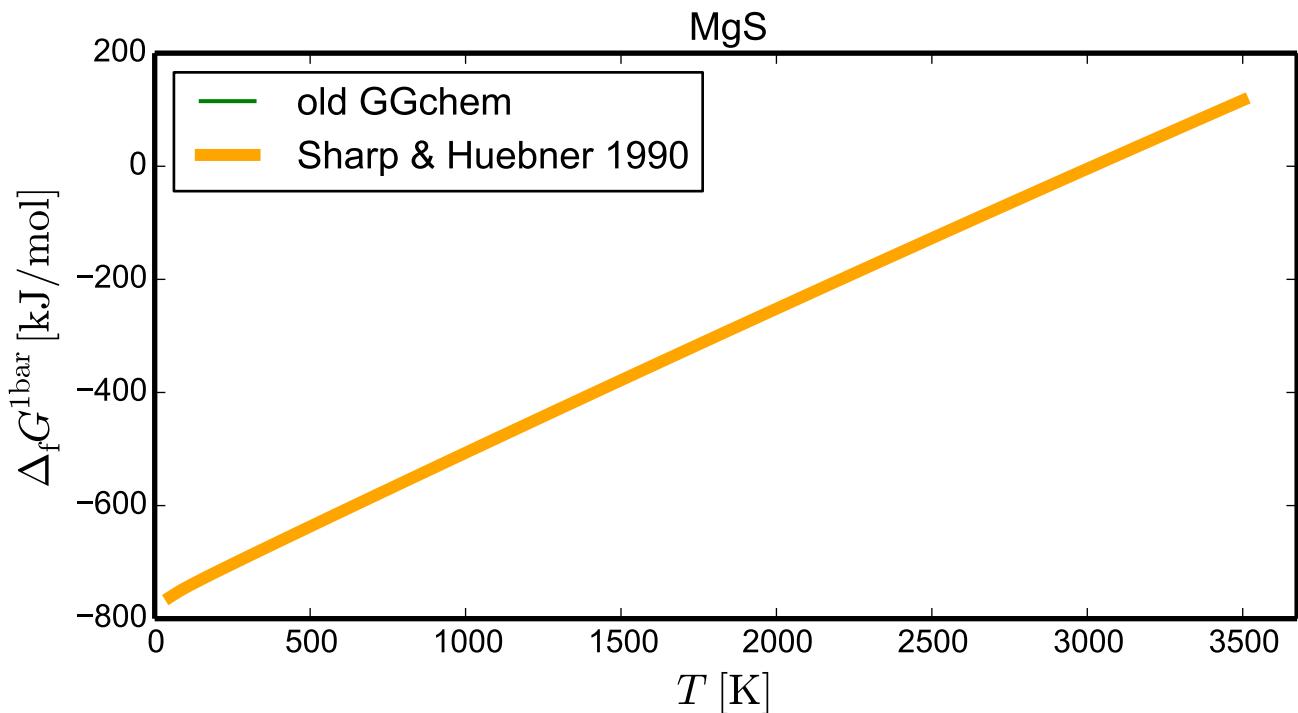




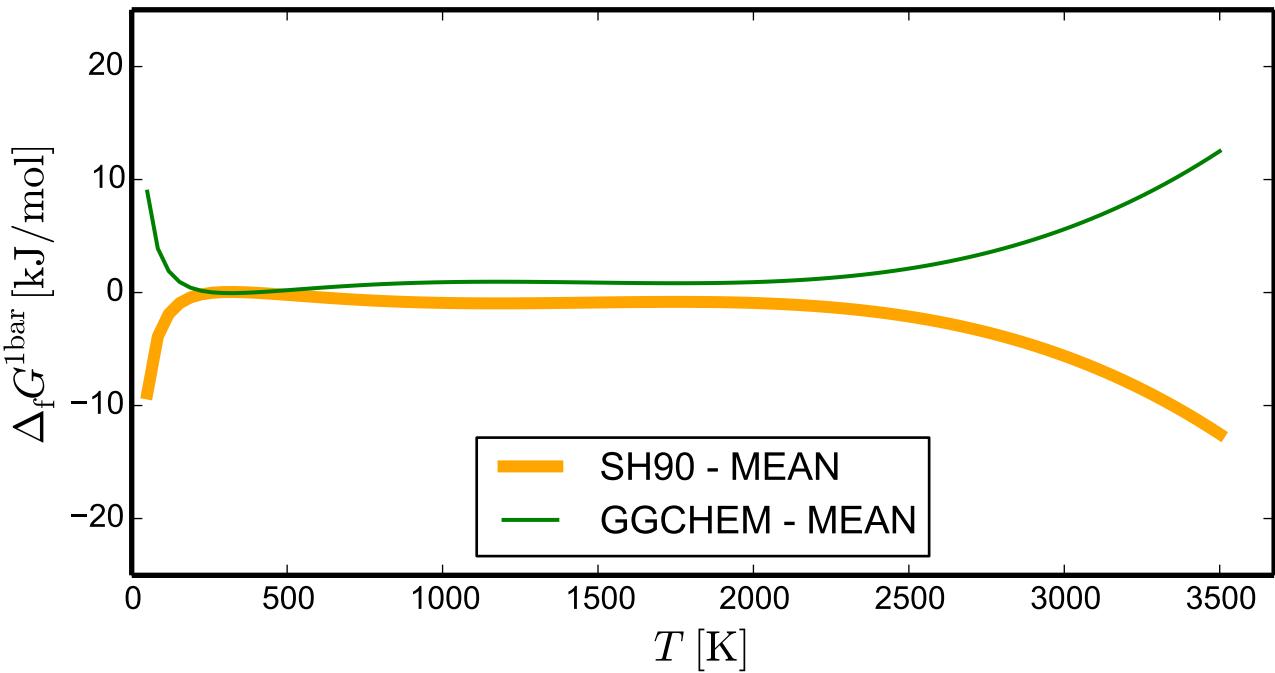
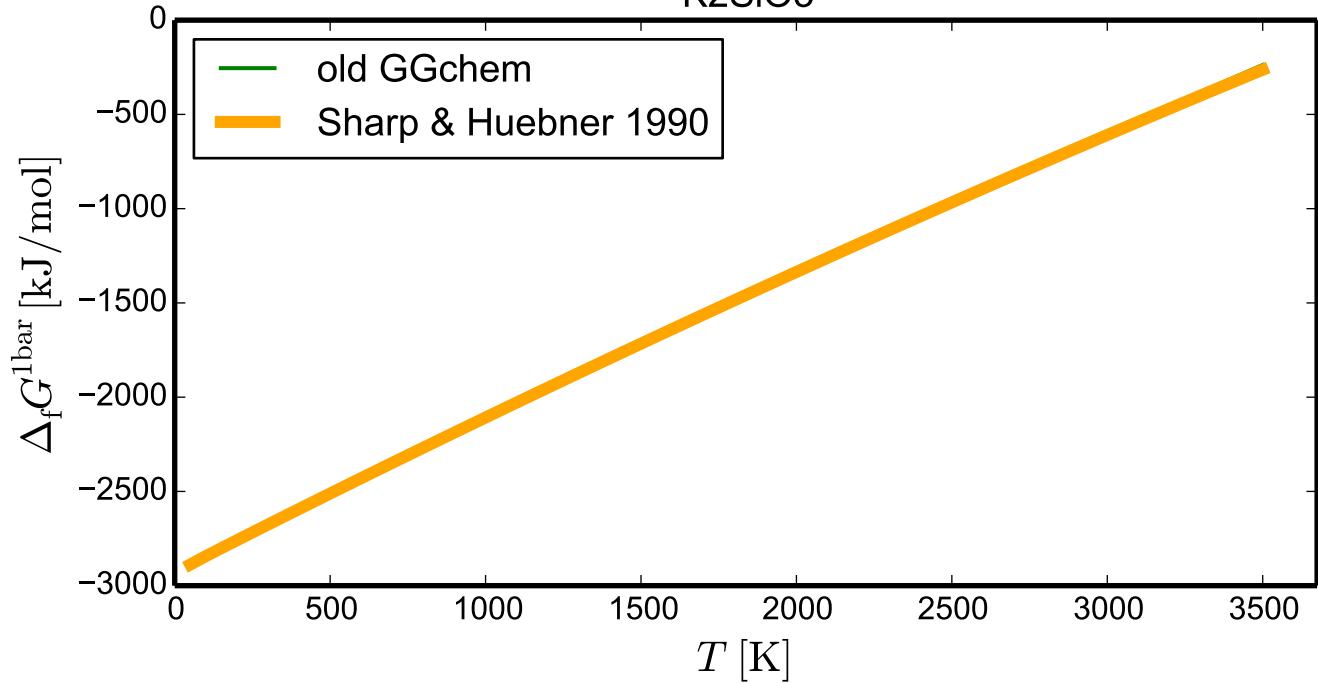
# $\text{Na}_2\text{SiO}_3$

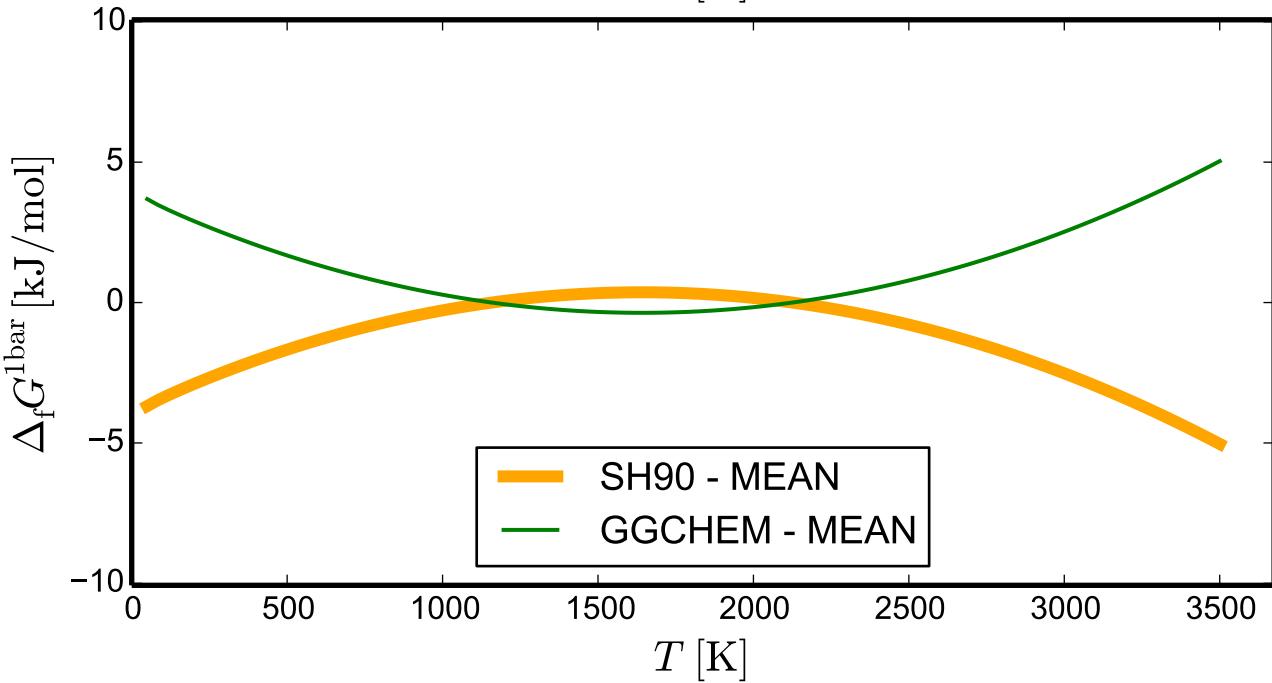
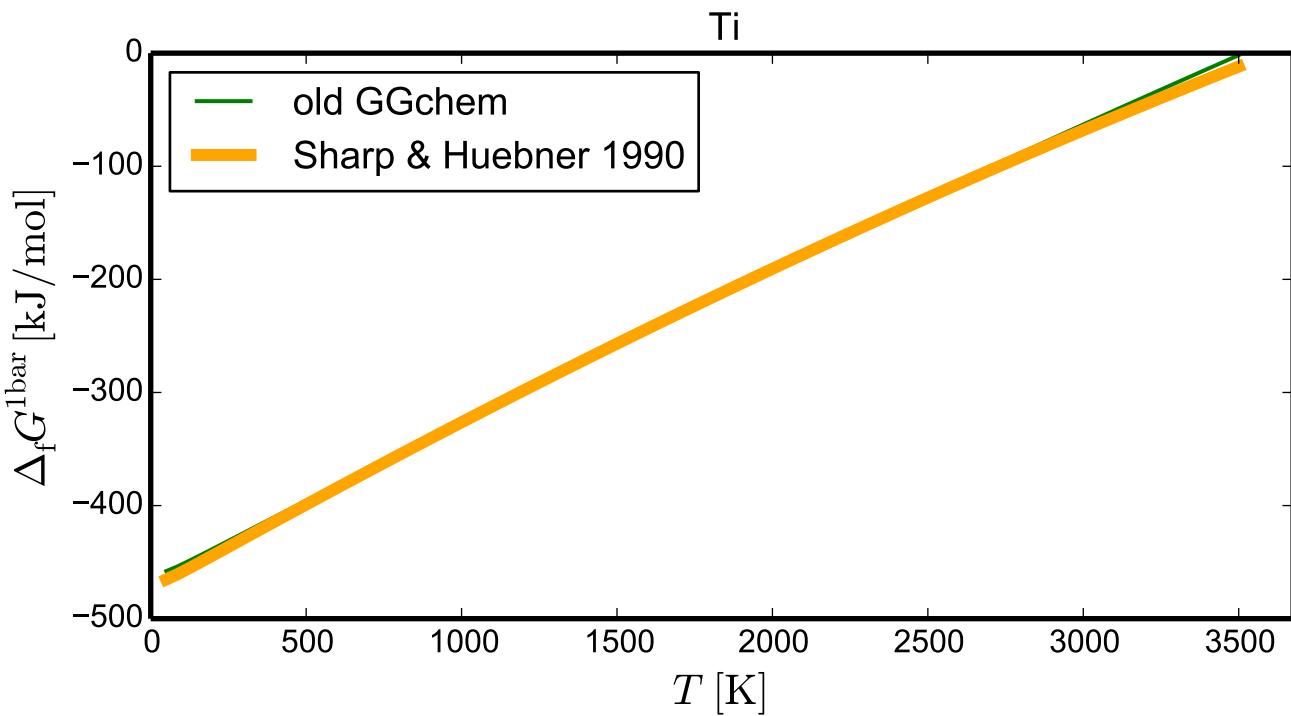


MgS

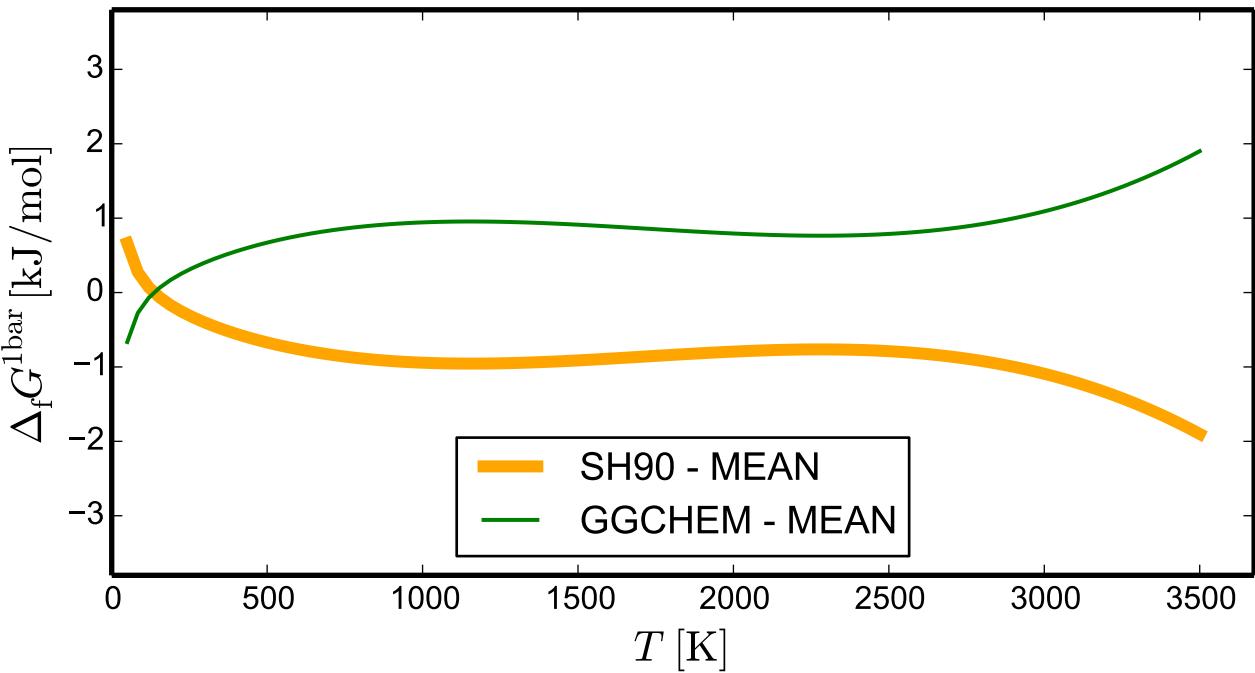
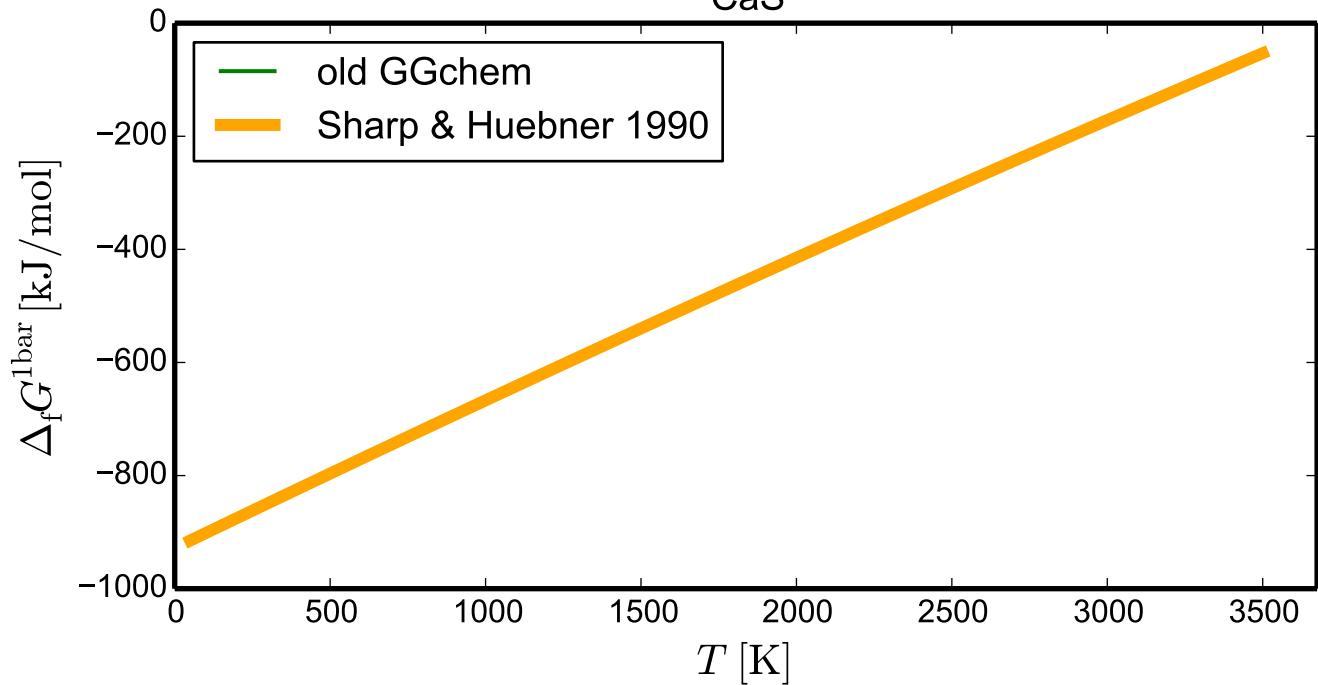


### K<sub>2</sub>SiO<sub>3</sub>





## CaS



# Ni<sub>3</sub>S<sub>2</sub>

