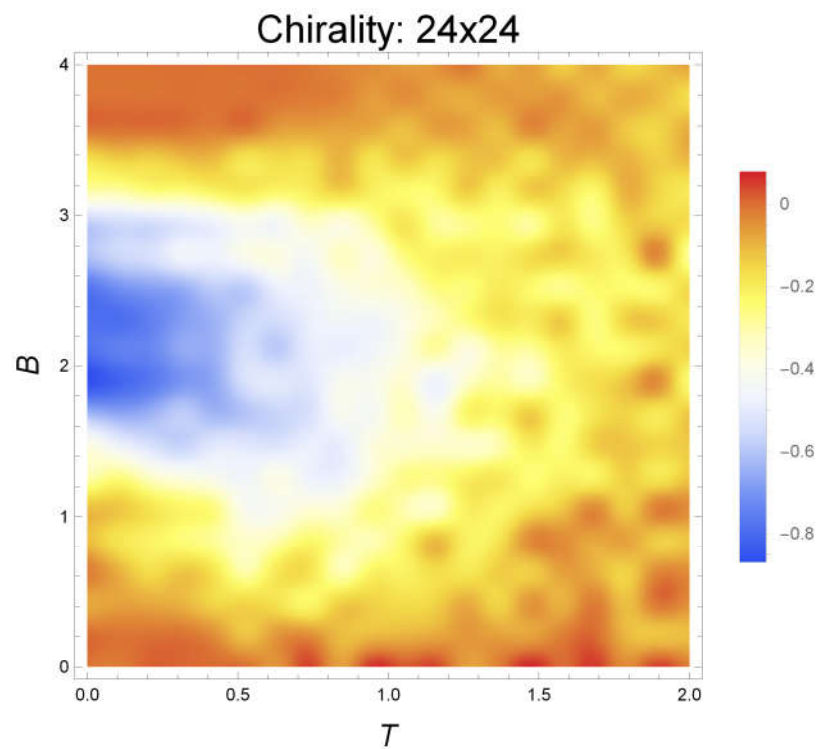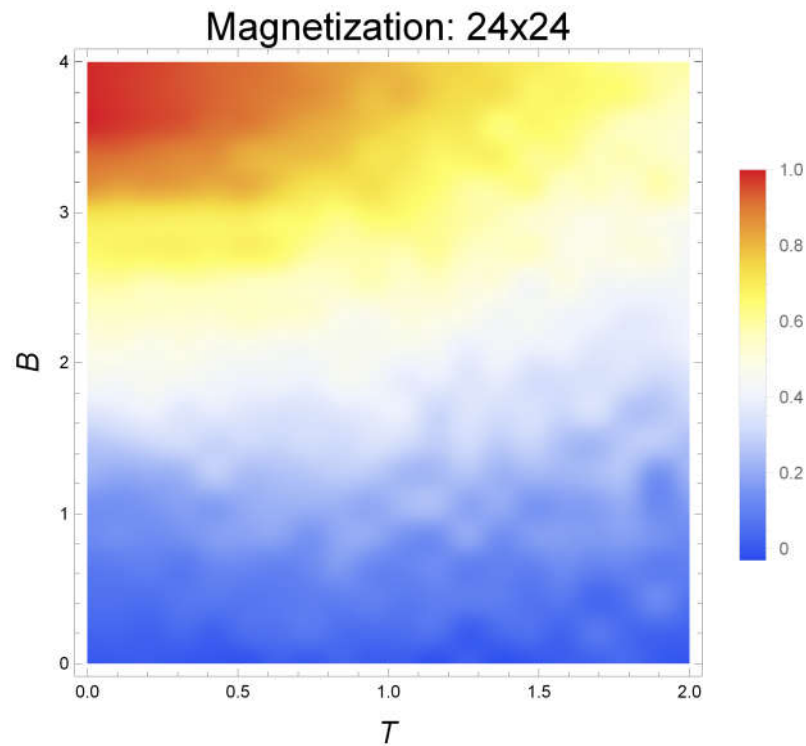```
SetDirectory[NotebookDirectory[]];
a = Import["H_label.csv", "Data"];
a = ArrayReshape[a, {20, 20, 4}];
a = Reverse[a, 2];
Dimensions[a]
ListDensityPlot[a[[All, All, 1]],
 DataRange → {{0, 2}, {0, 4}}, ColorFunction → "TemperatureMap",
 PlotLabel → Style["Chirality: 24x24", FontSize → 20], PlotLegends → Automatic,
 FrameLabel → {Style[T, FontSize → 16], Style[B, FontSize → 16]},
 InterpolationOrder → 2]
ListDensityPlot[a[[All, All, 2]], DataRange → {{2, 0}, {0, 4}},
 ColorFunction → "TemperatureMap",
 PlotLabel → Style["Magnetization: 24x24", FontSize → 20],
 PlotLegends → Automatic, FrameLabel →
   {Style[T, FontSize → 16], Style[B, FontSize → 16]}, InterpolationOrder → 2]
```

{20, 20, 4}



Chirality: 24x24
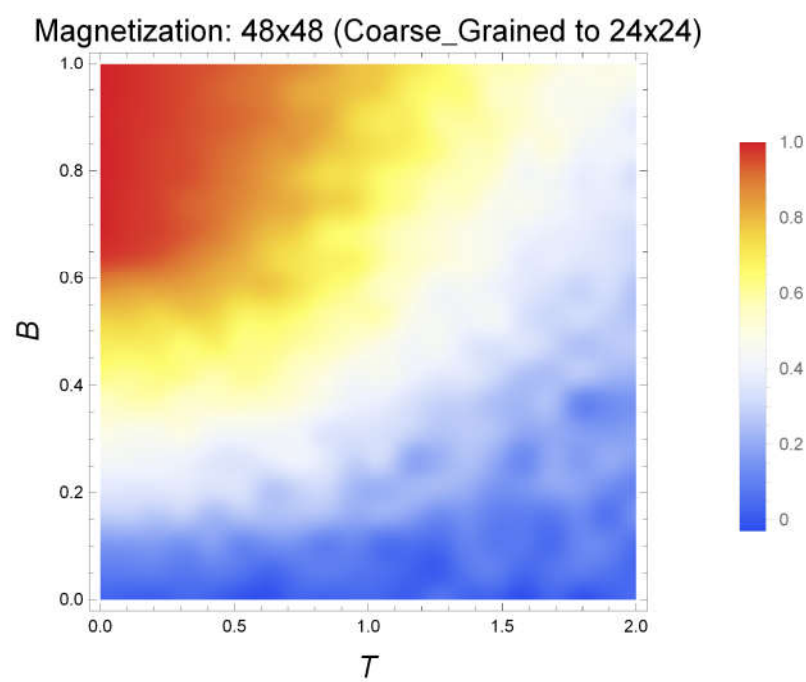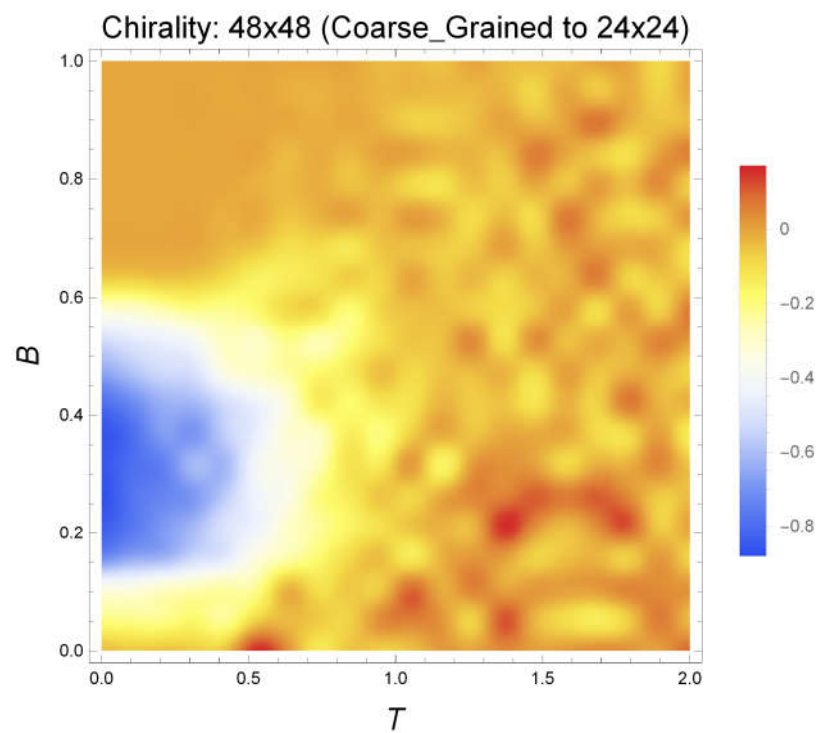
## Magnetization: 24x24



```
SetDirectory[NotebookDirectory[]];
a = Import["H2CG_label.csv", "Data"];
a = ArrayReshape[a, {20, 20, 4}];
a = Reverse[a, 2];
Dimensions[a]
ListDensityPlot[a[[All, All, 1]],
 DataRange → {{0, 2}, {0, 1}}, ColorFunction → "TemperatureMap",
 PlotLabel → Style["Chirality: 48x48 (Coarse_Grained to 24x24)", FontSize → 16],
 PlotLegends → Automatic,
 FrameLabel → {Style[T, FontSize → 16], Style[B, FontSize → 16]},
 InterpolationOrder → 2, PlotRange → All]
ListDensityPlot[a[[All, All, 2]], DataRange → {{2, 0}, {0, 1}},
 ColorFunction → "TemperatureMap", PlotLabel →
  Style["Magnetization: 48x48 (Coarse_Grained to 24x24)", FontSize → 16],
 PlotLegends → Automatic, FrameLabel →
  {Style[T, FontSize → 16], Style[B, FontSize → 16]}, InterpolationOrder → 2]
```

{20, 20, 4}

Chirality: 48x48 (Coarse_Grained to 24x24)
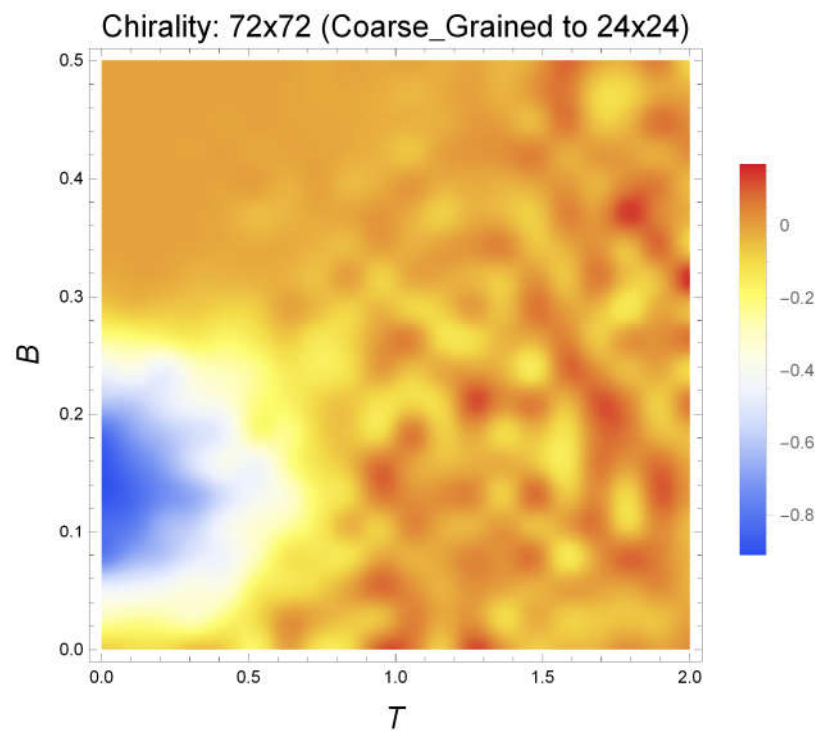

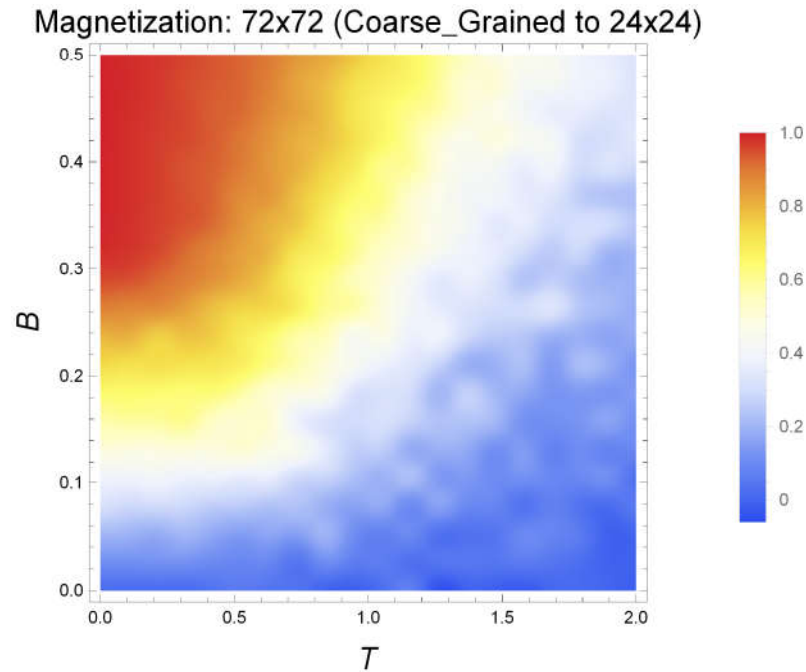## Magnetization: 48x48 (Coarse_Grained to 24x24)

```
SetDirectory[NotebookDirectory[]];
a = Import["H3CG_label.csv", "Data"];
a = ArrayReshape[a, {20, 20, 4}];
a = Reverse[a, 2];
Dimensions[a]
ListDensityPlot[a[[All, All, 1]],
 DataRange → {{0, 2}, {0, 0.5}}, ColorFunction → "TemperatureMap",
 PlotLabel → Style["Chirality: 72x72 (Coarse_Grained to 24x24)", FontSize → 16],
 PlotLegends → Automatic,
 FrameLabel → {Style[T, FontSize → 16], Style[B, FontSize → 16]},
 InterpolationOrder → 2, PlotRange → All]
ListDensityPlot[a[[All, All, 2]], DataRange → {{2, 0}, {0, 0.5}},
 ColorFunction → "TemperatureMap", PlotLabel →
  Style["Magnetization: 72x72 (Coarse_Grained to 24x24)", FontSize → 16],
 PlotLegends → Automatic, FrameLabel →
  {Style[T, FontSize → 16], Style[B, FontSize → 16]}, InterpolationOrder → 2]
```

{20, 20, 4}

Chirality: 72x72 (Coarse_Grained to 24x24)

Magnetization: 72x72 (Coarse_Grained to 24x24)


```
SetDirectory[NotebookDirectory[]];
a = Import["H4CG_label.csv", "Data"];
a = ArrayReshape[a, {20, 20, 4}];
a = Reverse[a, 2];
Dimensions[a]
ListDensityPlot[a[[All, All, 1]],
 DataRange → {{0, 2}, {0, 0.25}}, ColorFunction → "TemperatureMap",
 PlotLabel → Style["Chirality: 96x96 (Coarse_Grained to 24x24)", FontSize → 16],
 PlotLegends → Automatic,
 FrameLabel → {Style[T, FontSize → 16], Style[B, FontSize → 16]},
 InterpolationOrder → 2, PlotRange → All]
ListDensityPlot[a[[All, All, 2]], DataRange → {{2, 0}, {0, 0.25}},
 ColorFunction → "TemperatureMap", PlotLabel →
  Style["Magnetization: 96x96 (Coarse_Grained to 24x24)", FontSize → 16],
 PlotLegends → Automatic, FrameLabel →
  {Style[T, FontSize → 16], Style[B, FontSize → 16]}, InterpolationOrder → 2]
```

{20, 20, 4}

Chirality: 96x96 (Coarse_Grained to 24x24)

Magnetization: 96x96 (Coarse_Grained to 24x24)