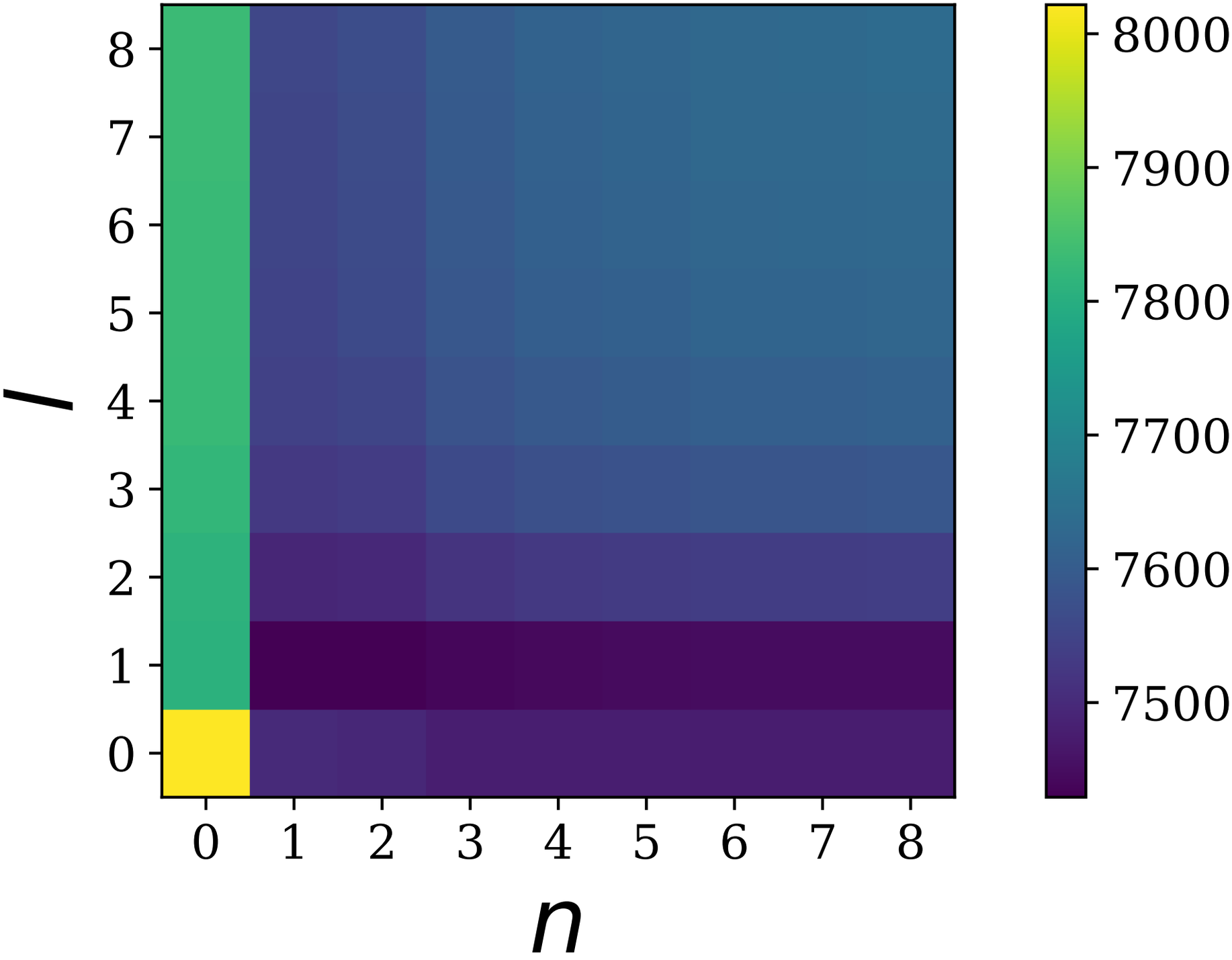$$\sum_{i}^{grid} \phi_{(i,\,bfe)} - \phi_{(i,\,Gadget)}$$