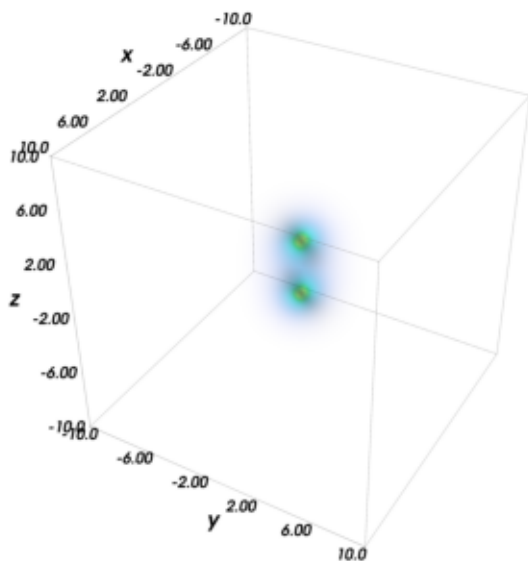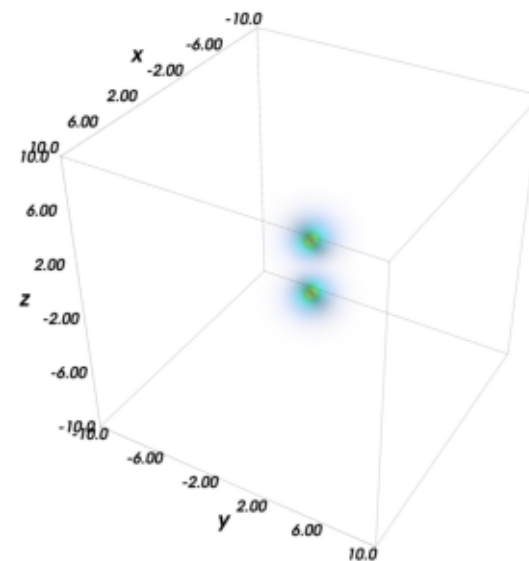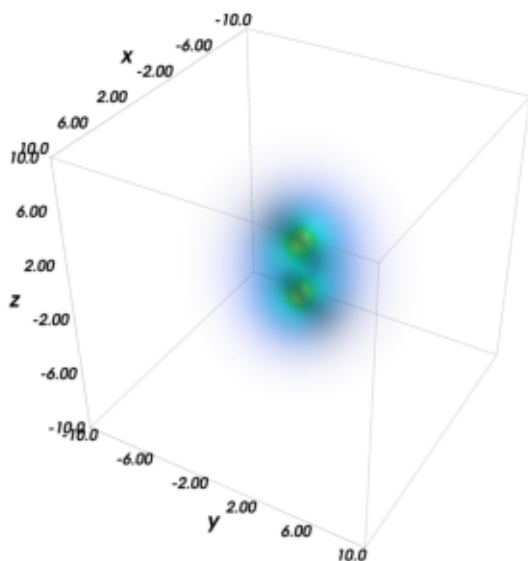**phi1 Density**
Energy = -1.00127869
OBOC=-0.76133249

phi2 Density
Energy = -1.00127869
OBOC=-0.23661720

phi1 Real part
Energy = -1.00127869
OBOC=-0.76133249

phi2 Real part
Energy = -1.00127869
OBOC=-0.23661720