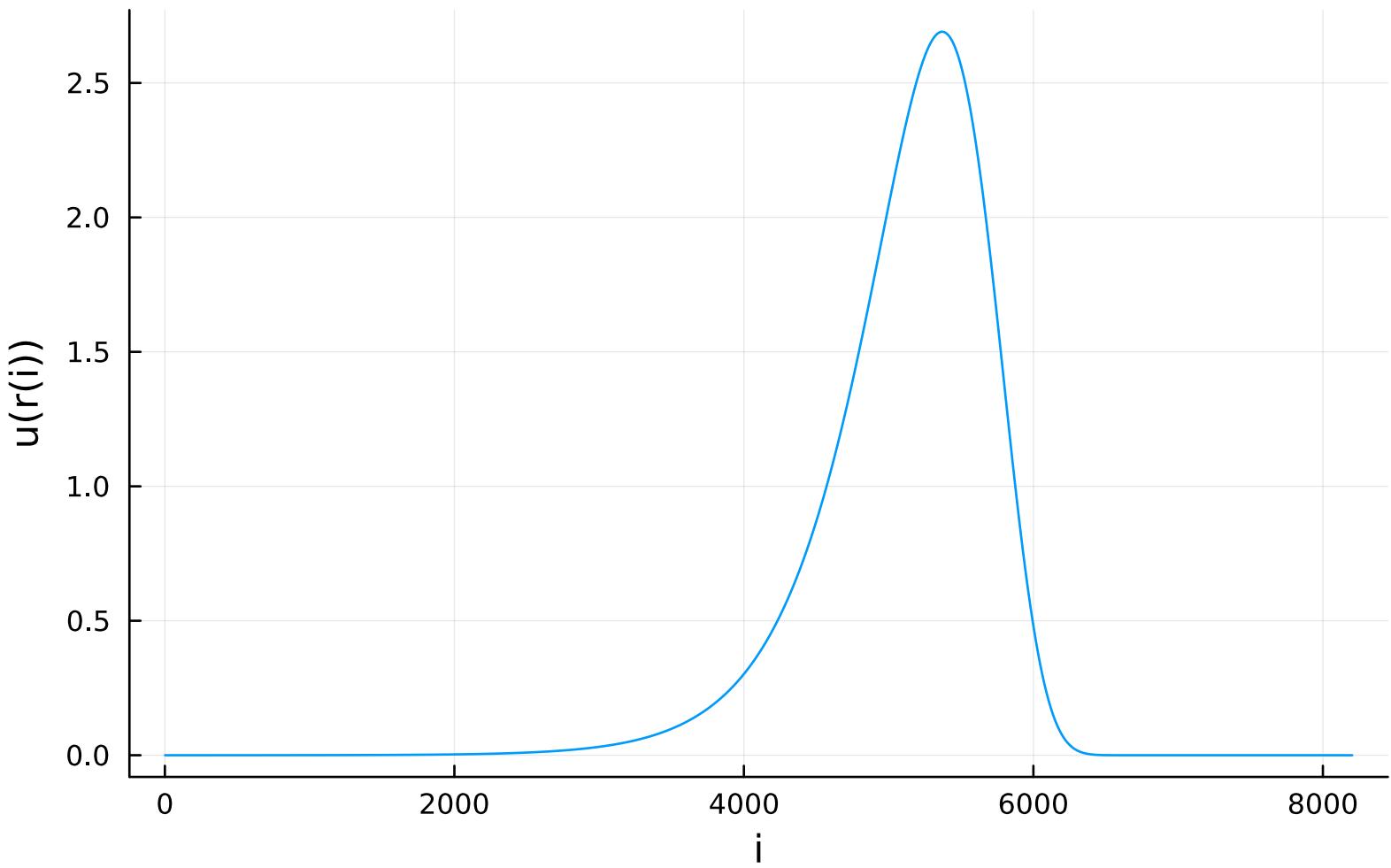
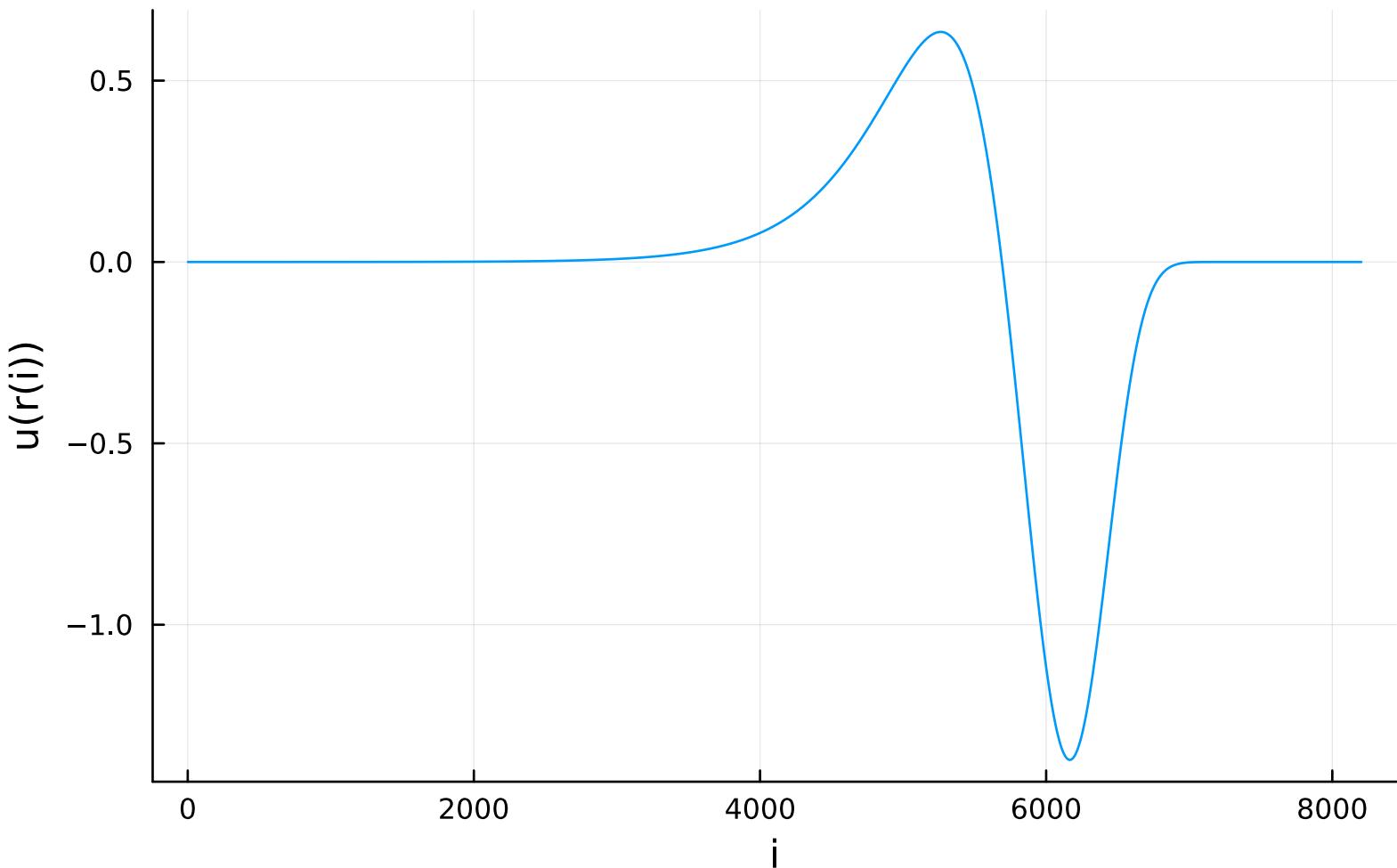


| Silicon | E in Hartree |             |          |            |
|---------|--------------|-------------|----------|------------|
| Name    | E NIST       | E pred      | ΔE       | ΔE /E NIST |
| Ecoul   | 131.767814   | 131.767910  | 0.000096 | 0.000001   |
| 3p      | -0.153293    | -0.153288   | 0.000005 | -0.000033  |
| Etot    | -288.198397  | -288.198397 | 0.000000 | -0.000000  |
| 2s      | -5.075056    | -5.075054   | 0.000002 | -0.000000  |
| 3s      | -0.398139    | -0.398134   | 0.000005 | -0.000012  |
| Exc     | -19.553276   | -19.553283  | 0.000007 | -0.000000  |
| Ekin    | 287.487740   | 287.487781  | 0.000041 | 0.000000   |
| 2p      | -3.514938    | -3.514936   | 0.000002 | -0.000000  |
| 1s      | -65.184426   | -65.184430  | 0.000004 | -0.000000  |

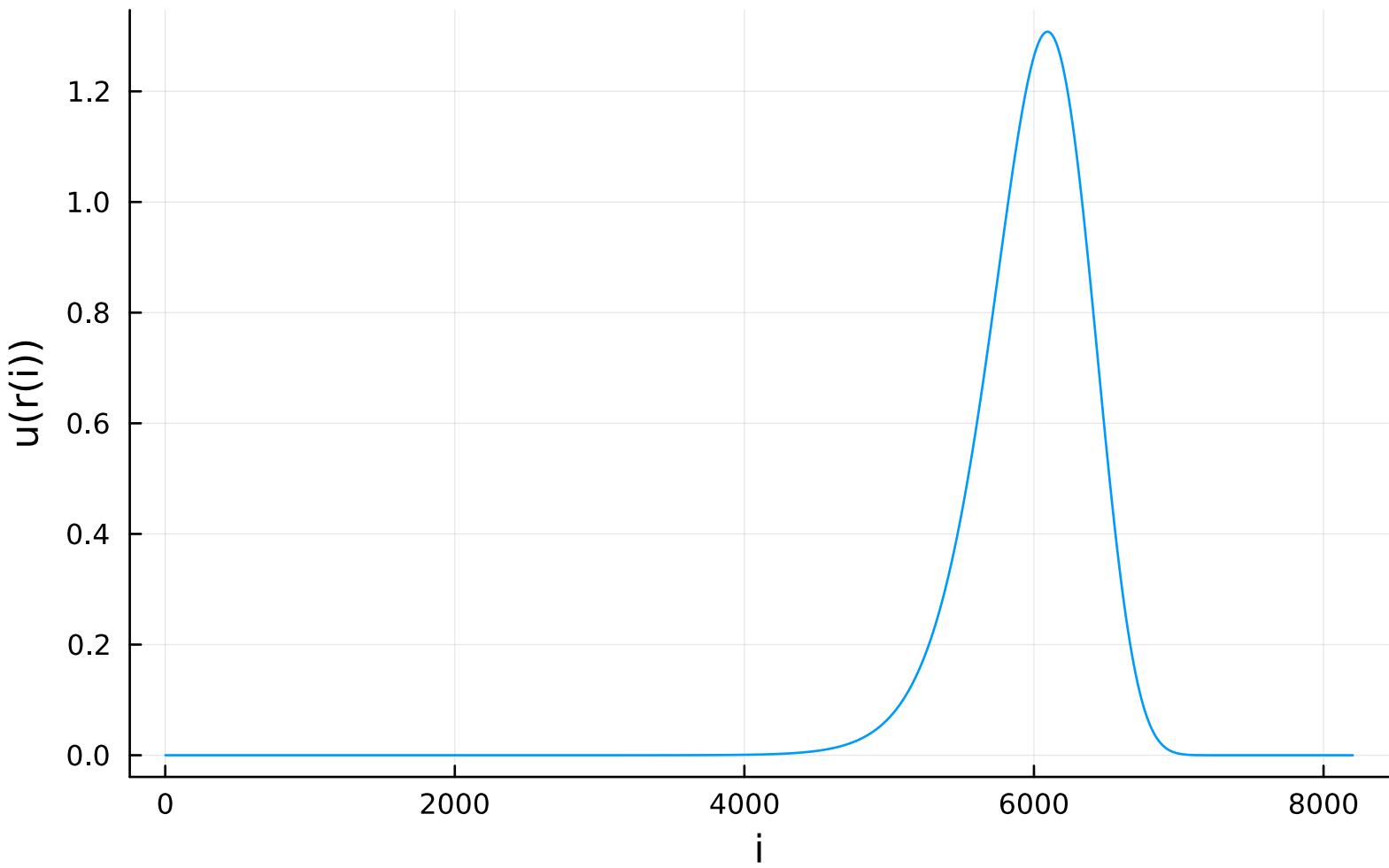
# Orbital 1s eigen energy -65.1844



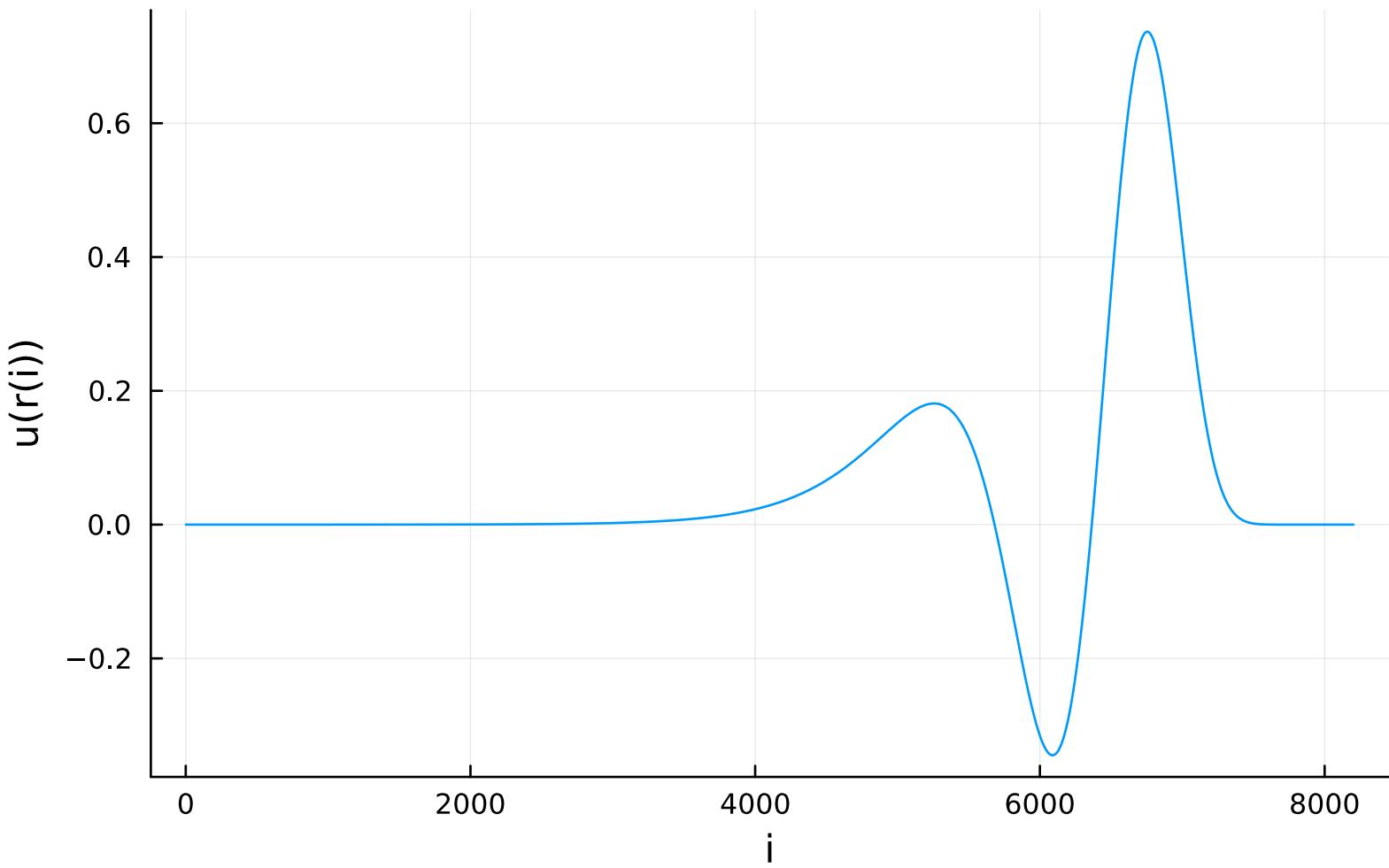
# Orbital 2s eigen energy -5.0751



# Orbital 2p eigen energy -3.5149



# Orbital 3s eigen energy -0.3981



# Orbital 3p eigen energy -0.1533

