Supplemental Material
Deuteron Evaporation from $N = Z$ Compound Nuclei

The Supplemental Material provides level schemes based on observed γ transitions from residual nuclei created in fusion-evaporation reactions involving pn and d evaporation. Presented level schemes are for ^{61}Zn (Fig. 1), ^{60}Cu (Fig. 2), and ^{58}Cu (Fig. 3) residues from the ^{64}Ge* compound nucleus.

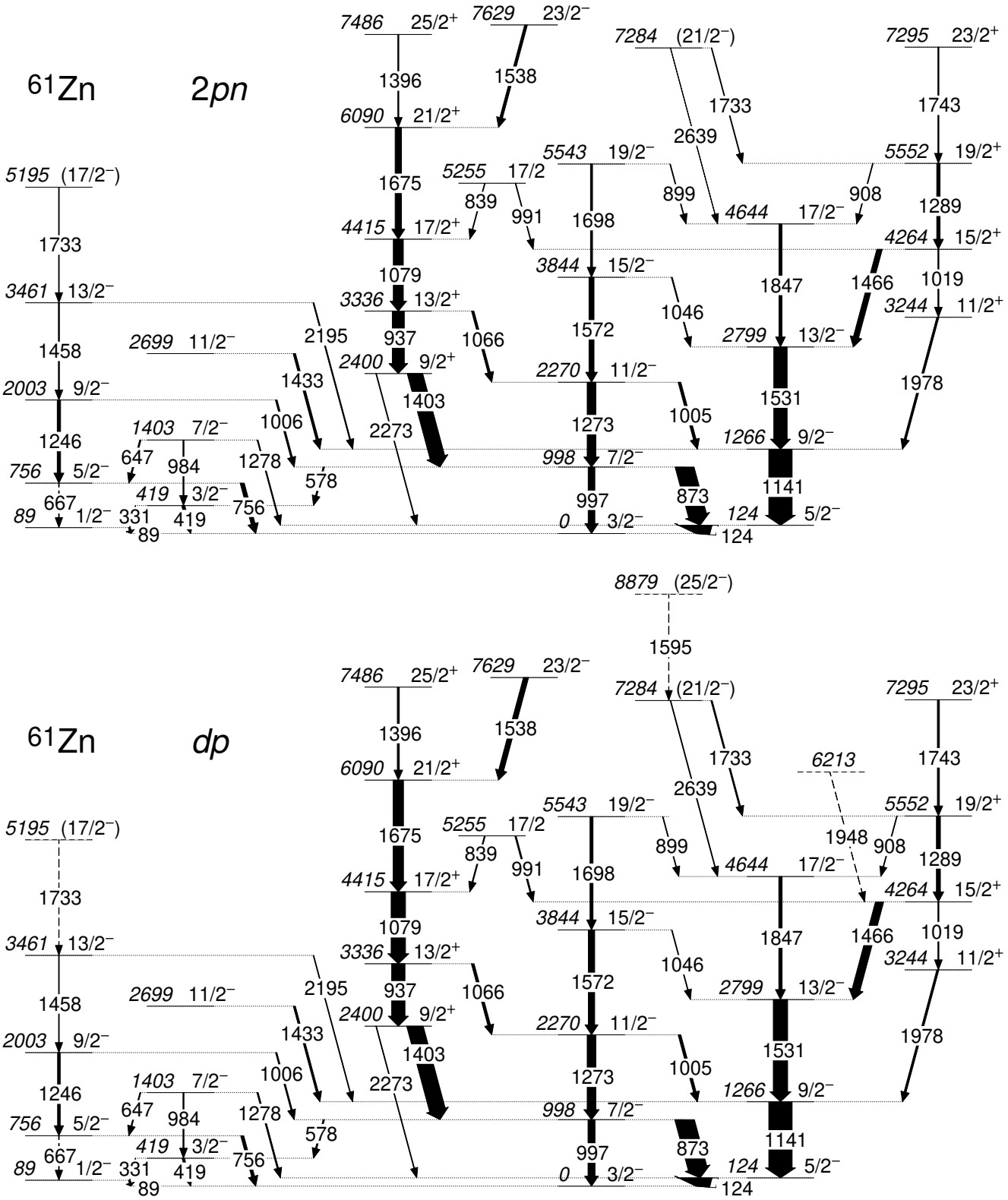

FIG. 1. Decay schemes of ^{61}Zn [38,39] observed as (top) 2*pn*- and (bottom) *dp*-evaporation channels from the compound nucleus ^{64}Ge*. Energy labels of excited states and γ-ray transitions are in keV. The widths of the arrows correspond to the relative intensities of the transitions. Tentative levels and transitions are dashed.

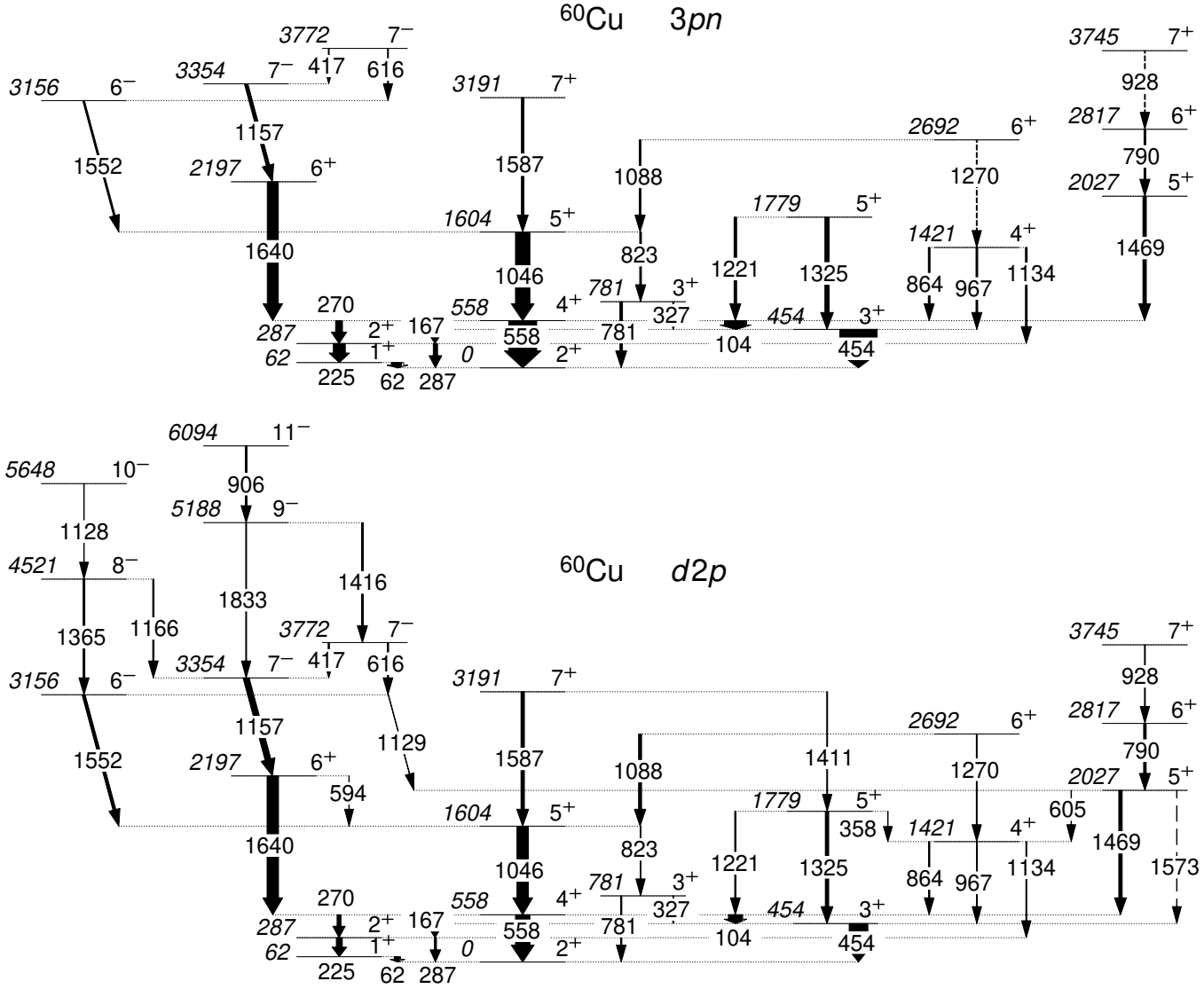

FIG. 2. Decay schemes of ^{60}Cu [40-42] observed as (top) 3*pn*- and (bottom) *d*2*p*-evaporation channels from the compound nucleus ^{64}Ge*. Energy labels of excited states and γ-ray transitions are in keV. The widths of the arrows correspond to the relative intensities of the transitions. Tentative levels and transitions are dashed.

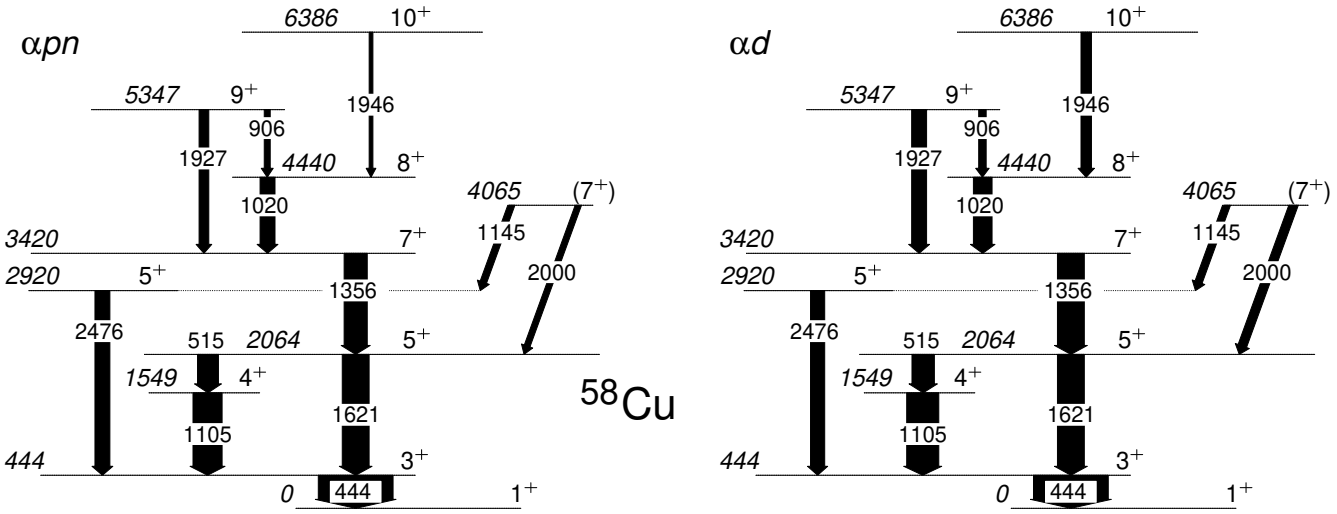

FIG. 3. Decay schemes of ^{58}Cu [44,45] observed as (left) αpn- and (right) αd-evaporation channels from the compound nucleus ^{64}Ge*. Energy labels of excited states and γ-ray transitions are in keV. The widths of the arrows correspond to the relative intensities of the transitions.