



Fig. 7: Au/Ga₂O₃ Schottky Barrier Band Diagram



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The following slides show the early works

on the Ga₂O₃ Schottky Barrier

on Wide Bandgap Gallium Oxide

for the future low leakage image sensor applications.

This Figure 7 shows

the gold metal and Gallium Oxide Schottky Barrier Band Diagram

with the wide energy gap of 4.9 eV,

expecting a very low minority carrier density

and a very low leakage current device.