

Figure 4.15 Limiting efficiency for the IB solar cell under maximum concentrated sunlight. For comparison, the limiting efficiency of single-gap solar cells (in this case, $\epsilon_l \equiv \epsilon_g$) and a tandem of two cells that are series-connected are also shown (in this case, ϵ_l labels the lowest band gap of the cells and the figures on the curve correspond to the highest of the band gaps). (Reproduced from *Increasing the Efficiency of Ideal Solar Cells by Photon Induced Transitions at Intermediate Levels*, Luque A. and Martí A., Physical Review Letters V. 78 N. 34, 5014–5017, by permission of American Physical Society © 1997)

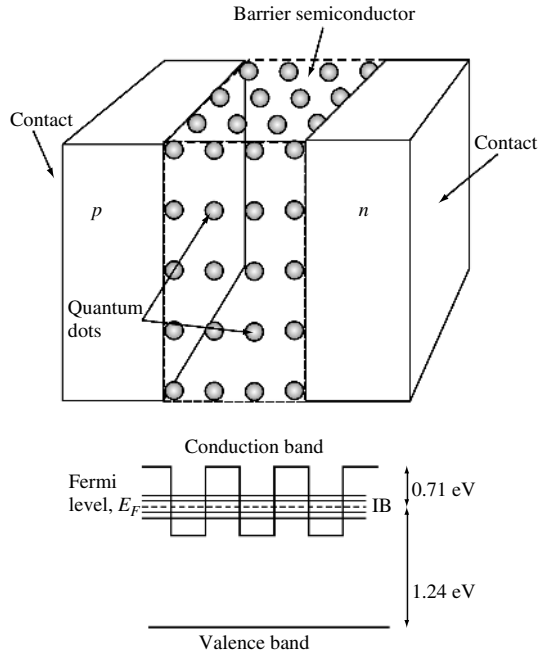


Figure 4.16 IB formation in QD arrays