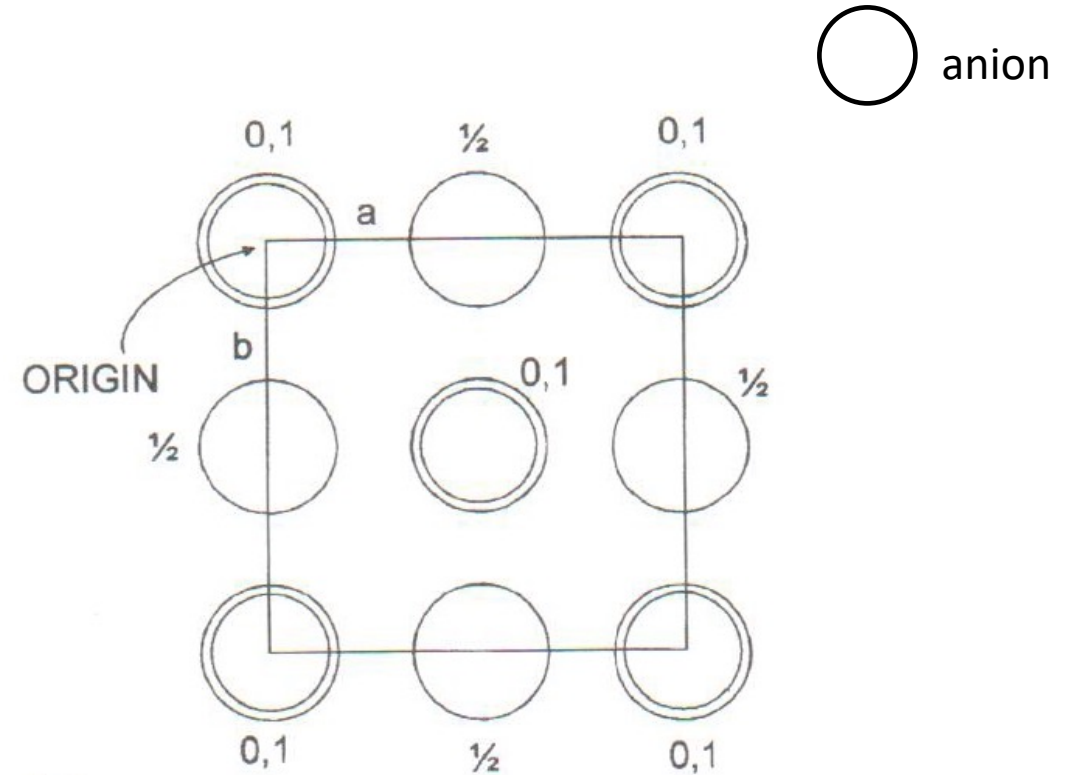
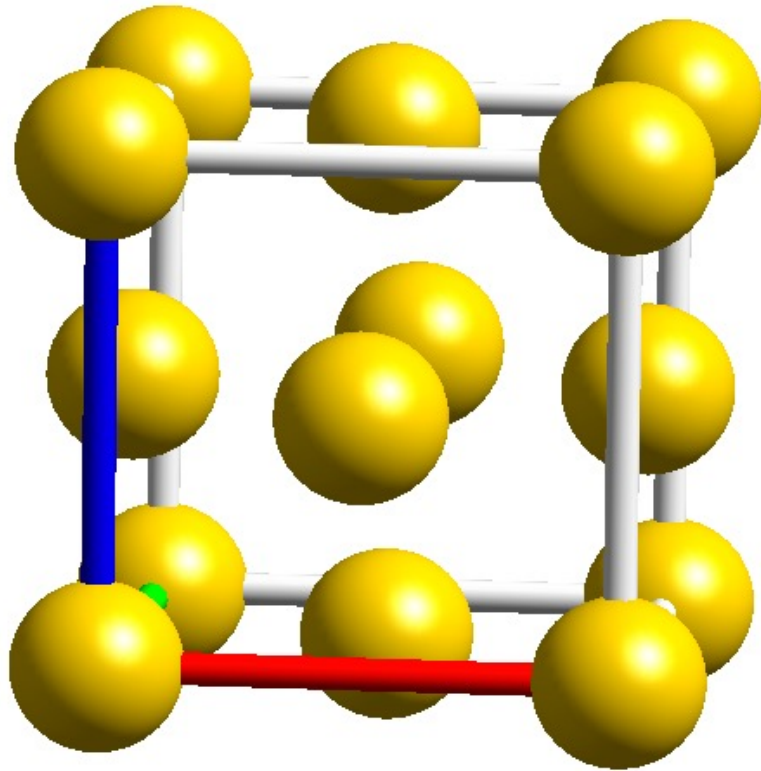
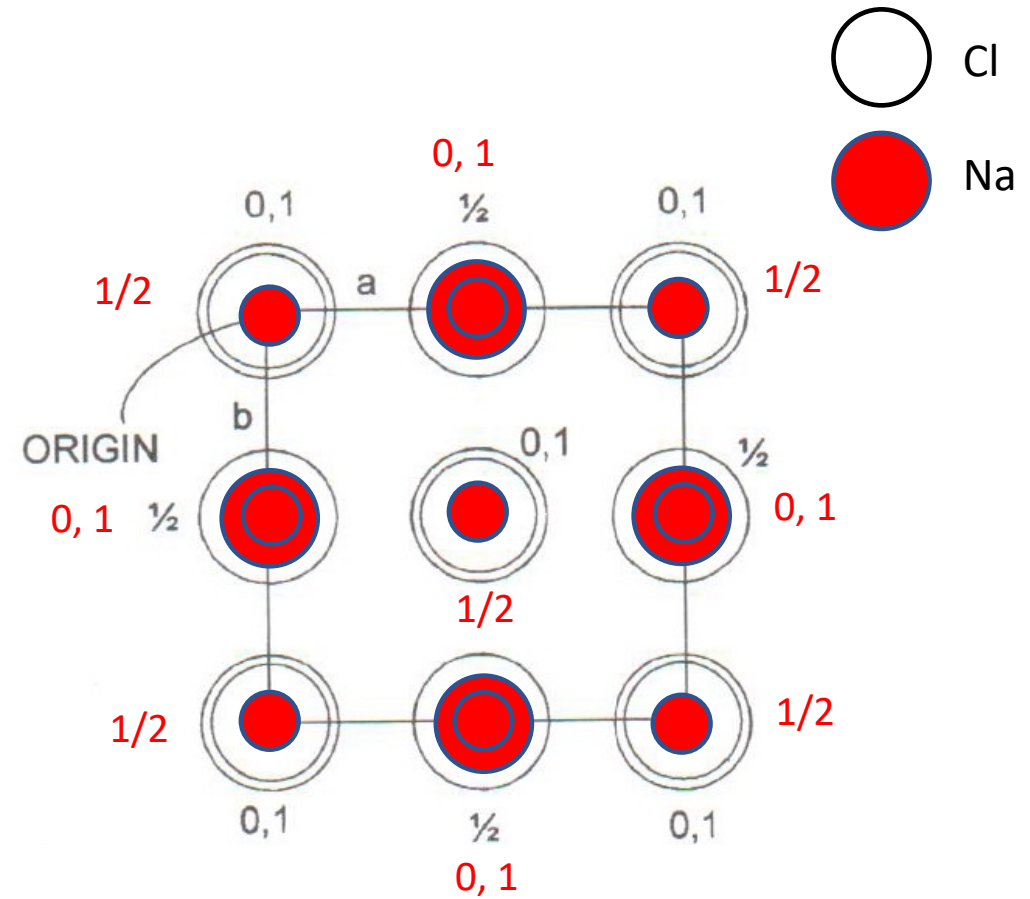
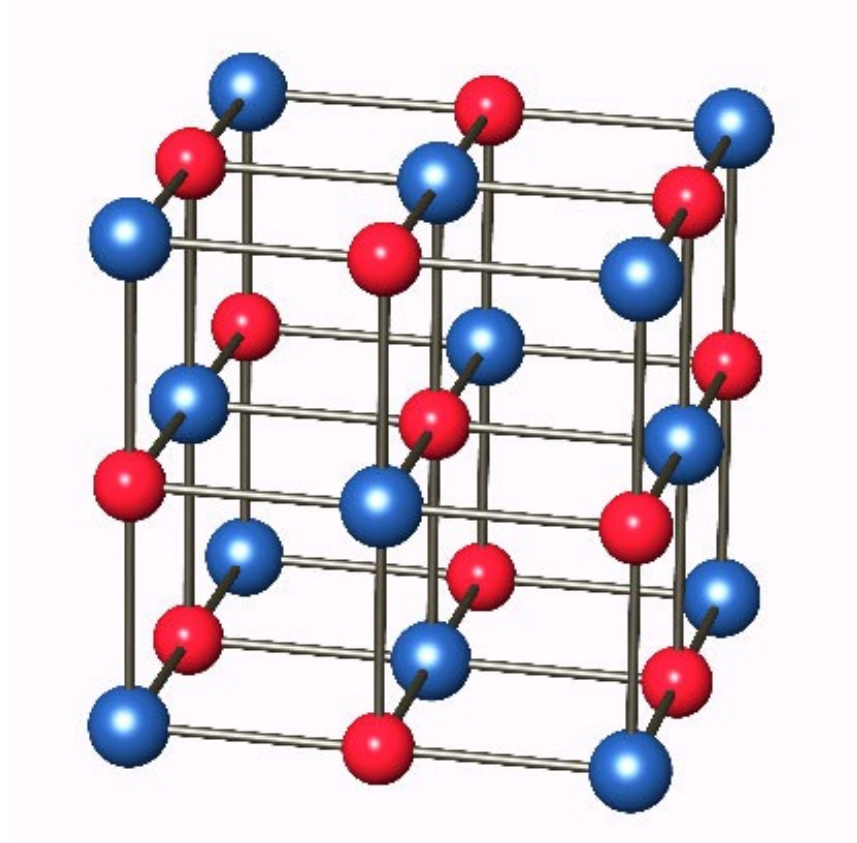


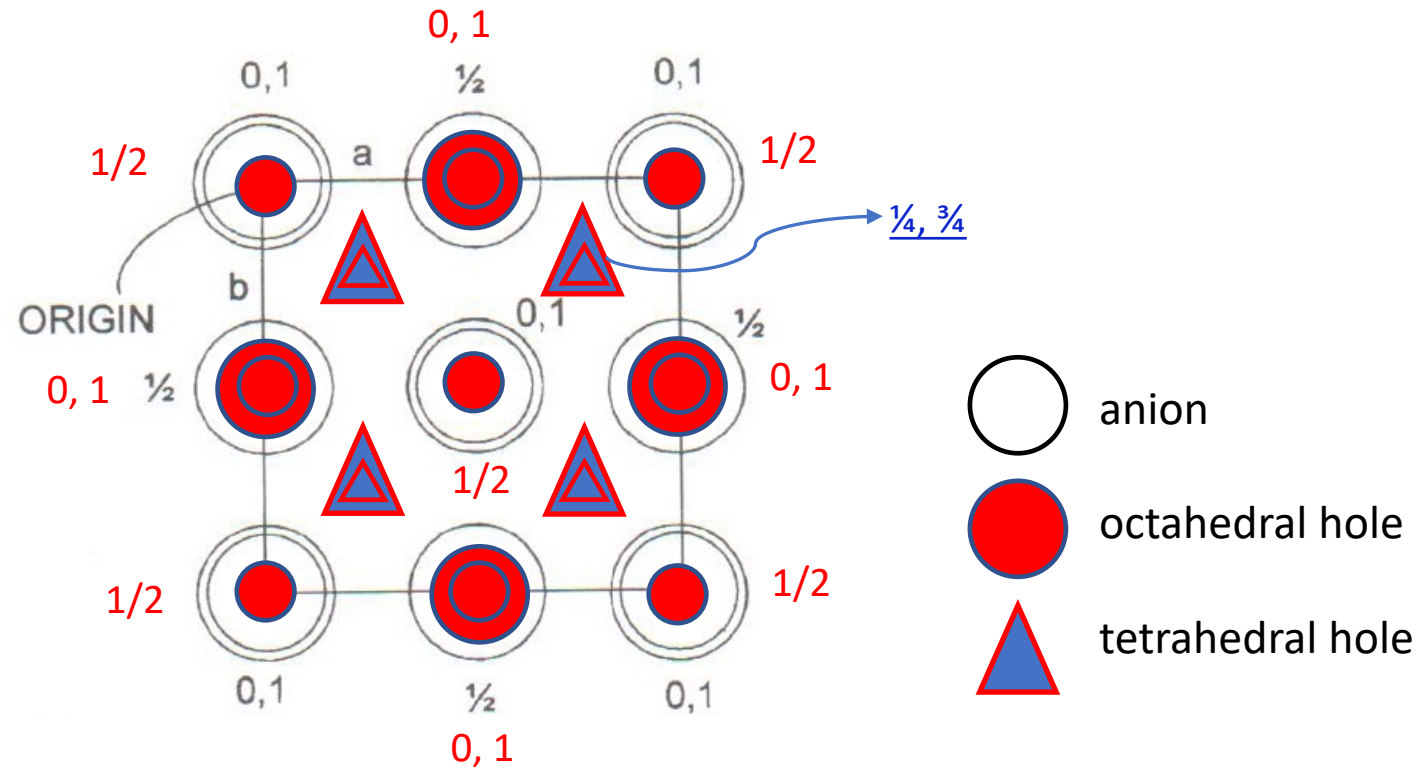
Projected view of ccp structure along [001]



Projected view Sodium Chloride along [001]

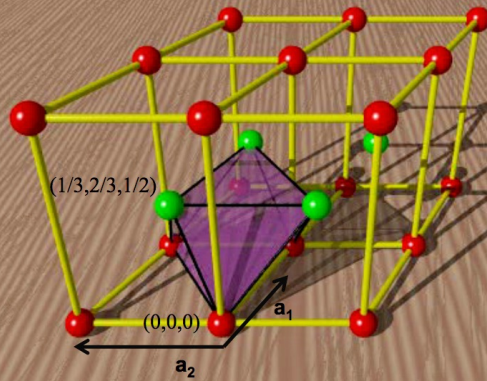


Projected view ccp along [001] with filled octahedral and tetrahedral holes filled



Projected view of hcp structure along [001]

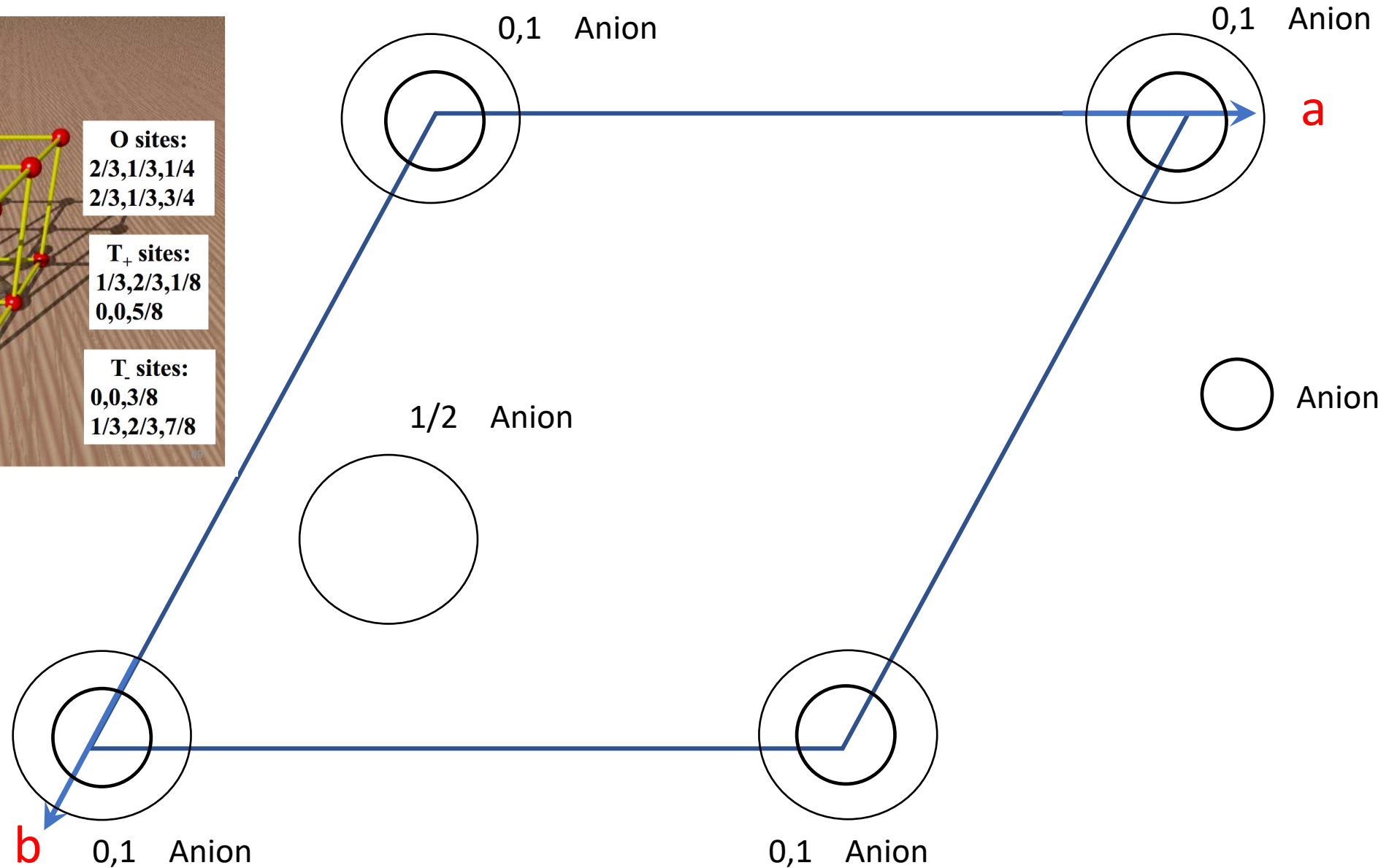
Holes in HCP



O sites:
 $2/3, 1/3, 1/4$
 $2/3, 1/3, 3/4$

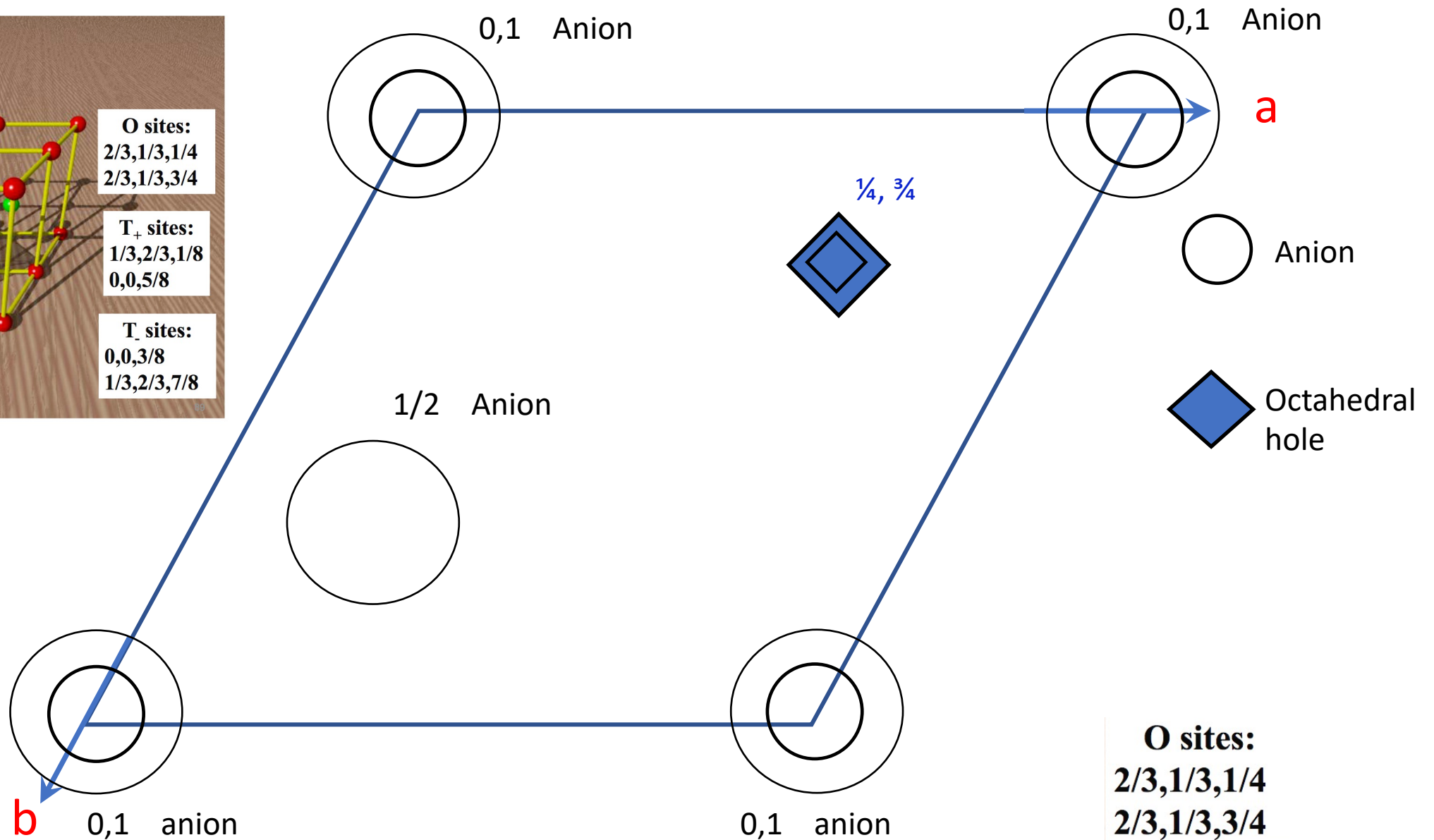
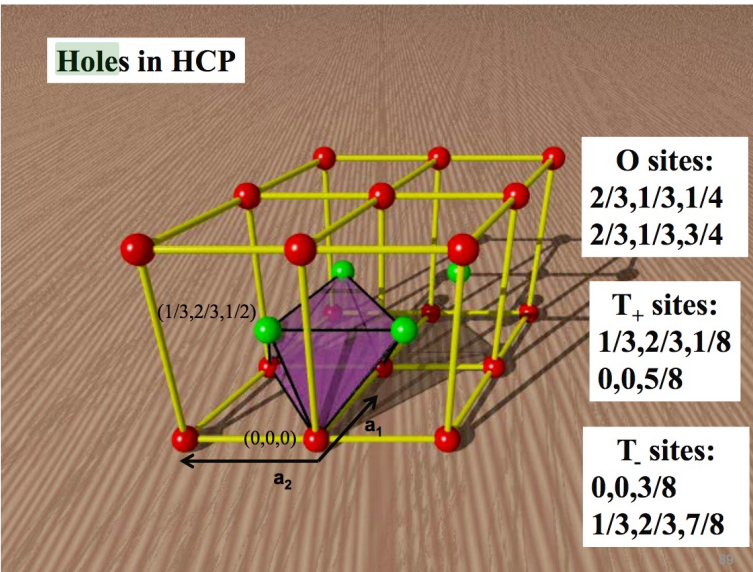
T_+ sites:
 $1/3, 2/3, 1/8$
 $0, 0, 5/8$

T_- sites:
 $0, 0, 3/8$
 $1/3, 2/3, 7/8$



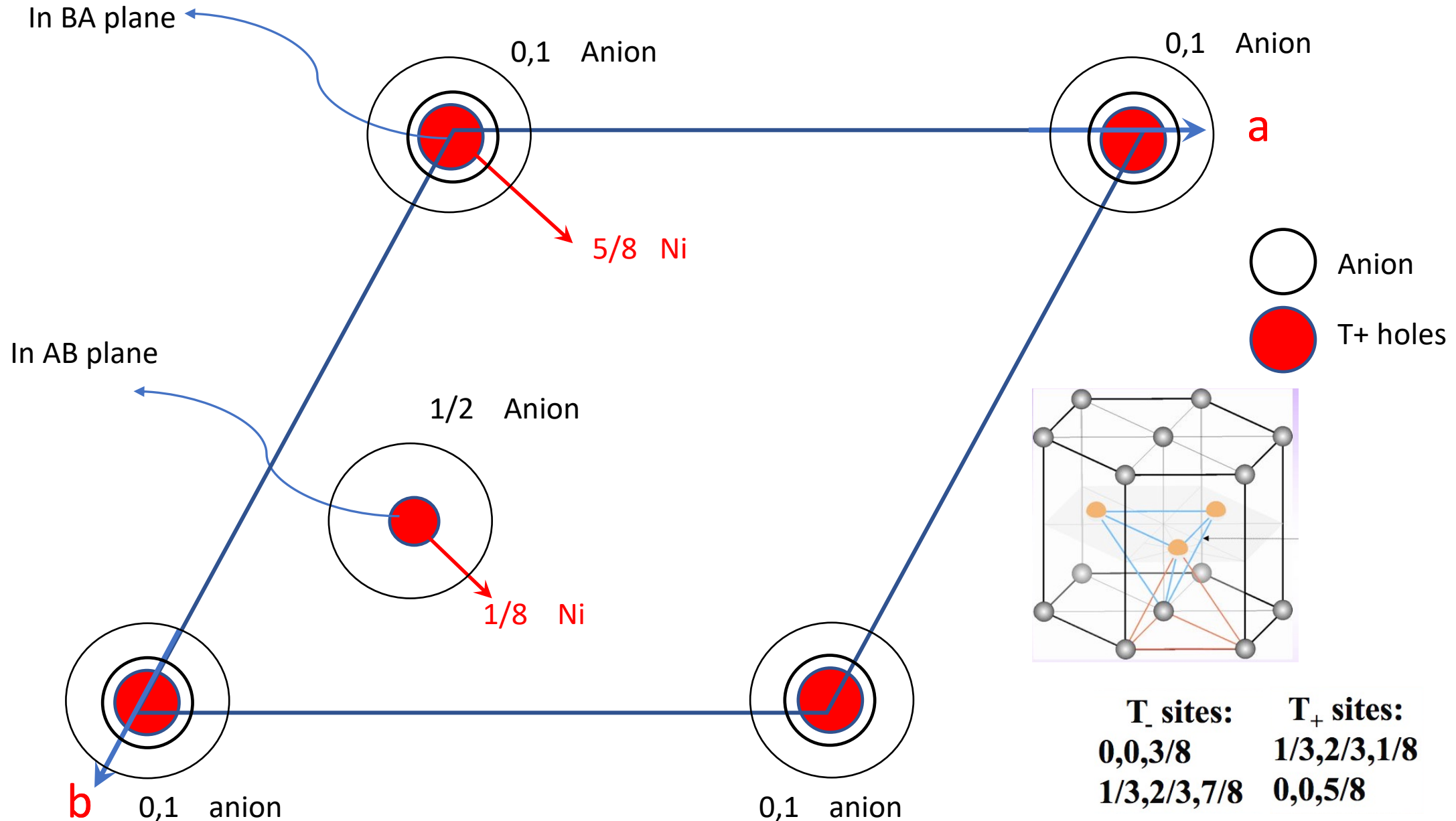
Projected view NiAs along [001]

HCP structure with anionic As array and Ni in octahedral holes.

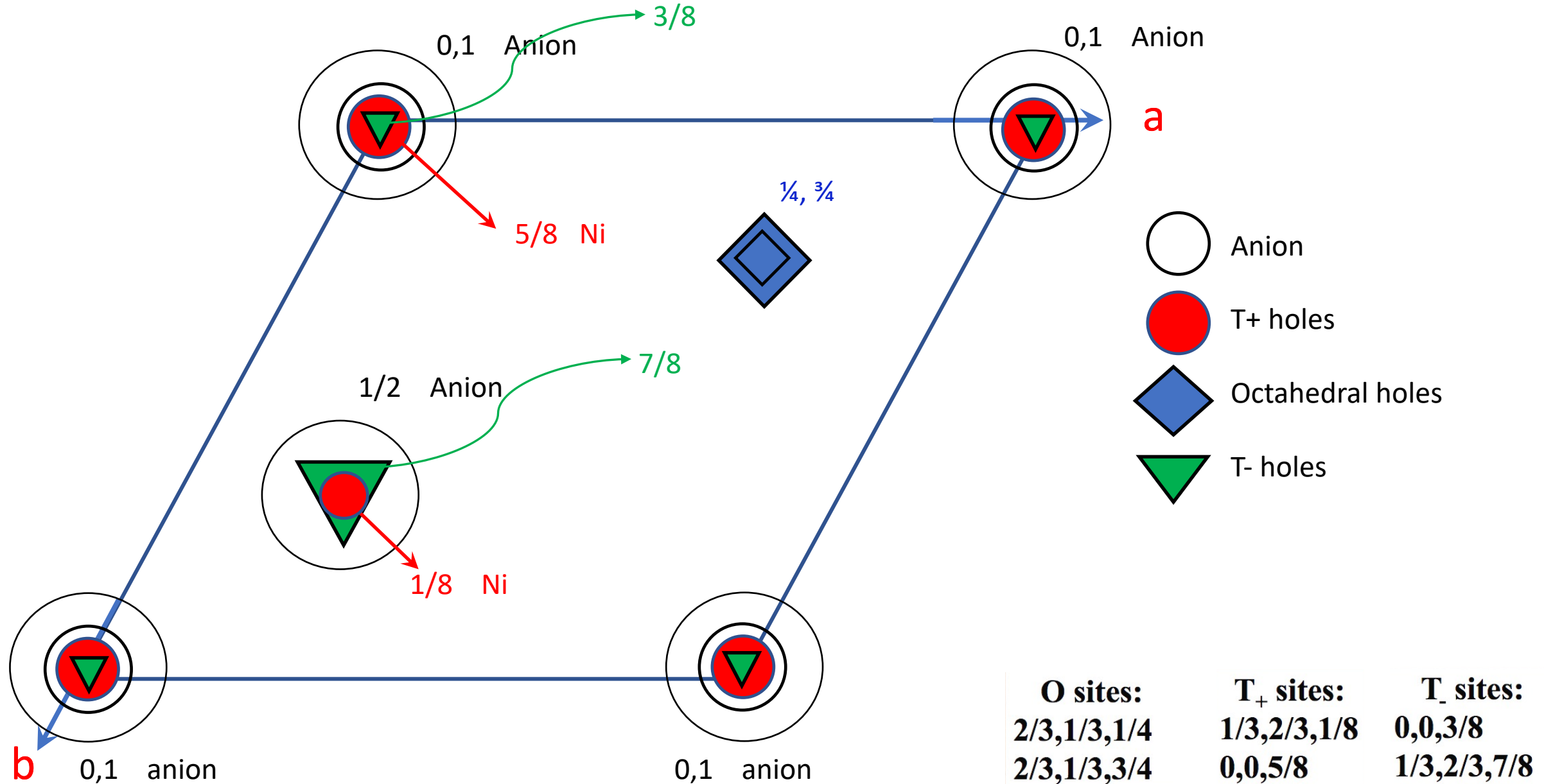


Projected view of wurtzite, ZnS, along [001]

HCP structure with anionic S array and Zn in T+ holes.

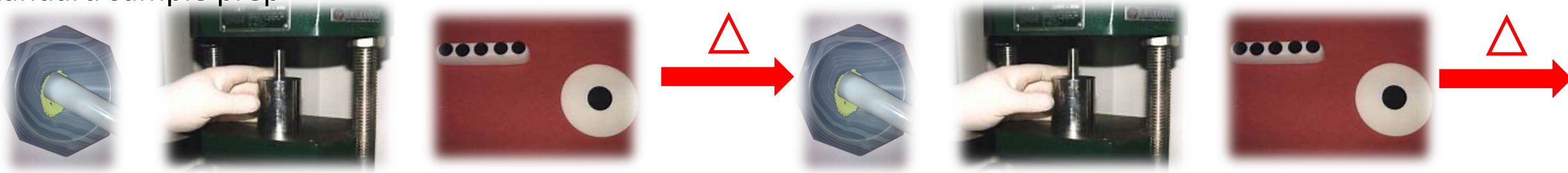


Projected view of hcp along [001] with all tetrahedral and octahedral holes filled



Solid state reactions

Standard sample prep



Containers



Types of furnaces

