Structures Report

Reinaldo Zapata

1 Up (graphone)

sec:up

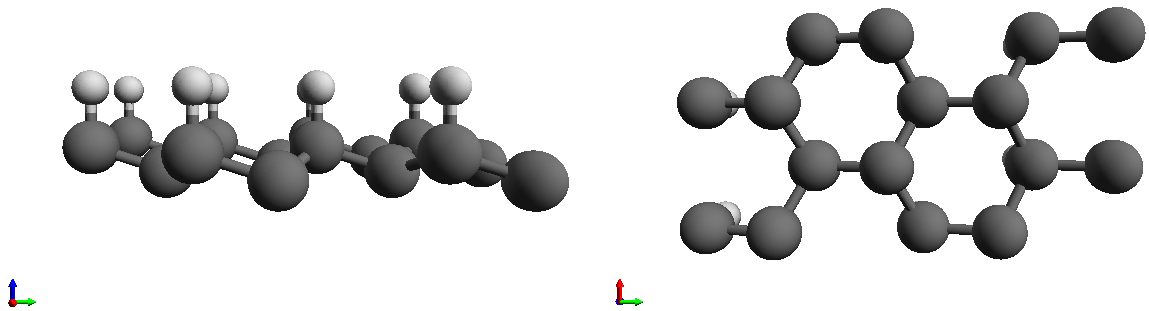

Figure 1: Up structure

fig:upstruc

1.1 $\mathcal{V}^{\mathrm{xb}}$ energy range 0.0–0.2 eV

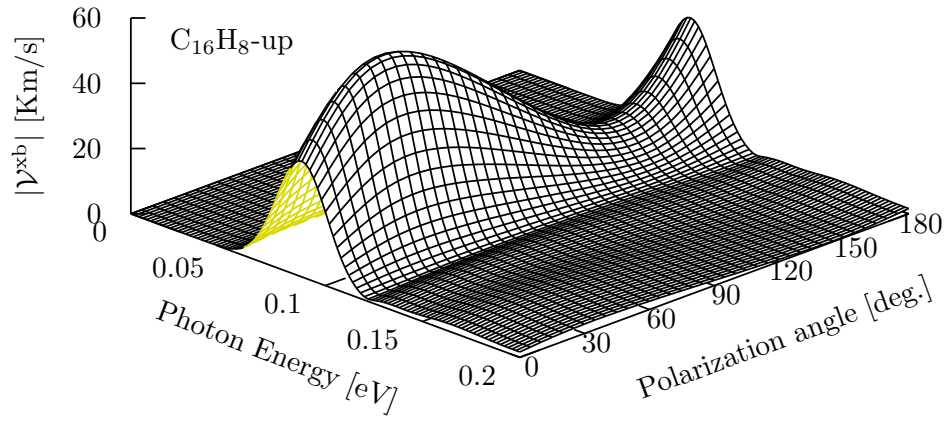

Figure 2: The most intense response for $\mathcal{V}^{\mathrm{xb}}$ is for 40°.

fig:up-magvxbincang1

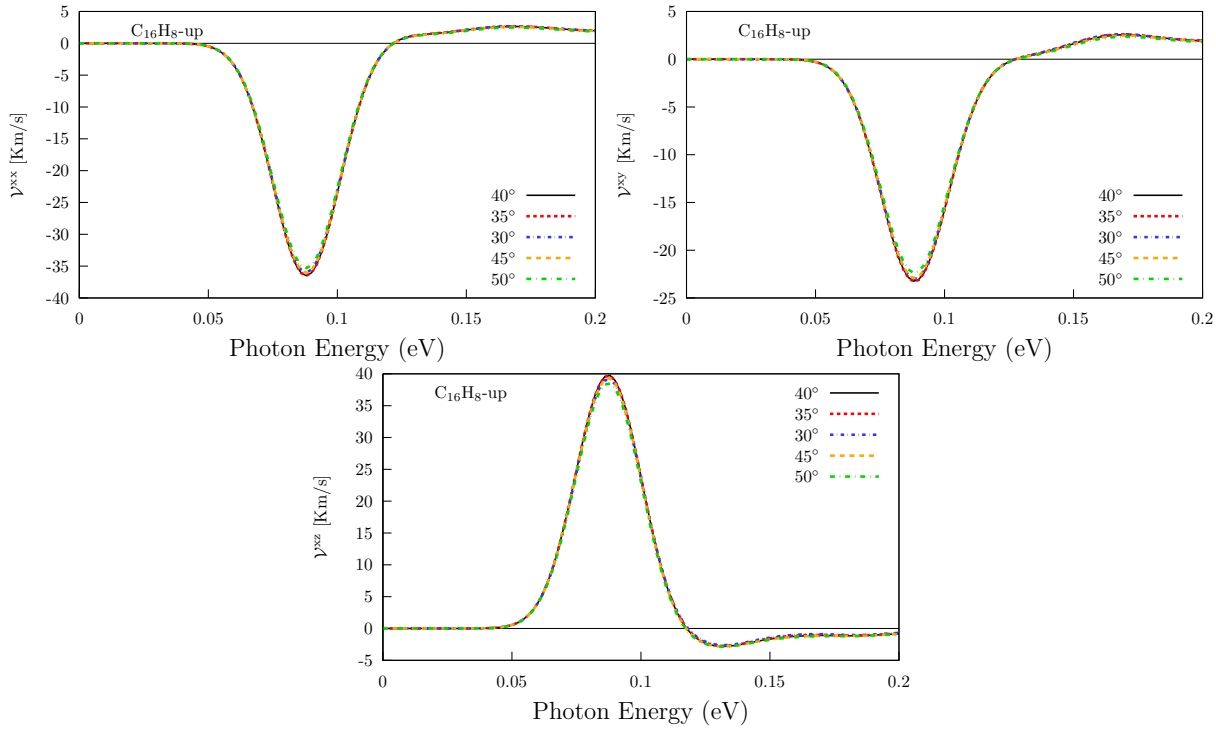

Figure 3: Cheking angle of incidence for xb components for up structure. `fig:up-xbangcomp`

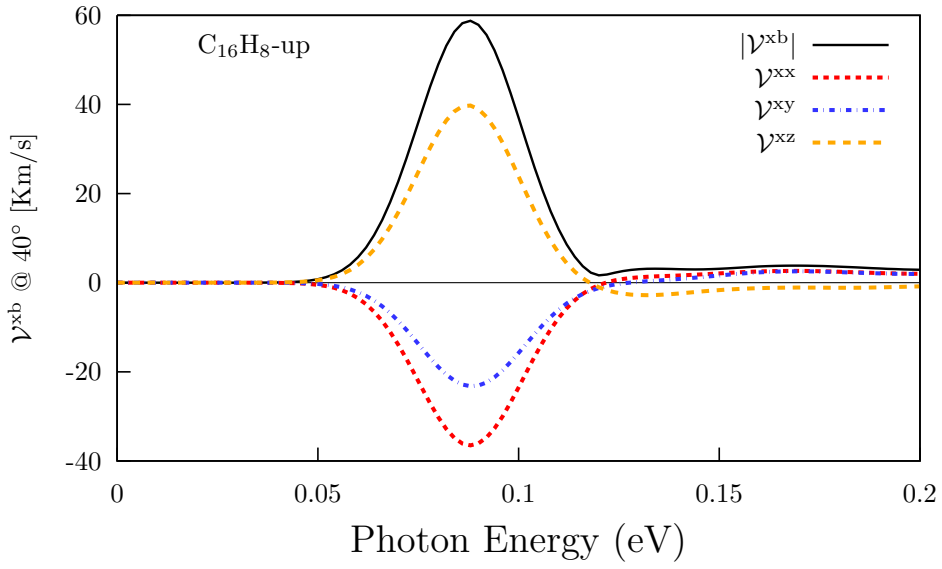

Figure 4: Three components of $\mathcal{V}^{xb}$ @ 40°. `fig:up-vxb1`

1.2 $\mathcal{V}^{\mathrm{yb}}$ energy range 0.0–0.2 eV

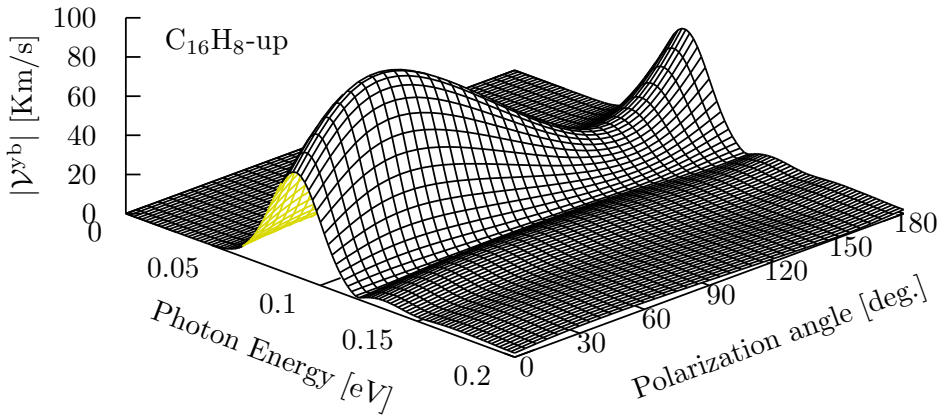

Figure 5: The most intense response for $\mathcal{V}^{\mathrm{yb}}$ is for 40°. fig:up-magvybincang1

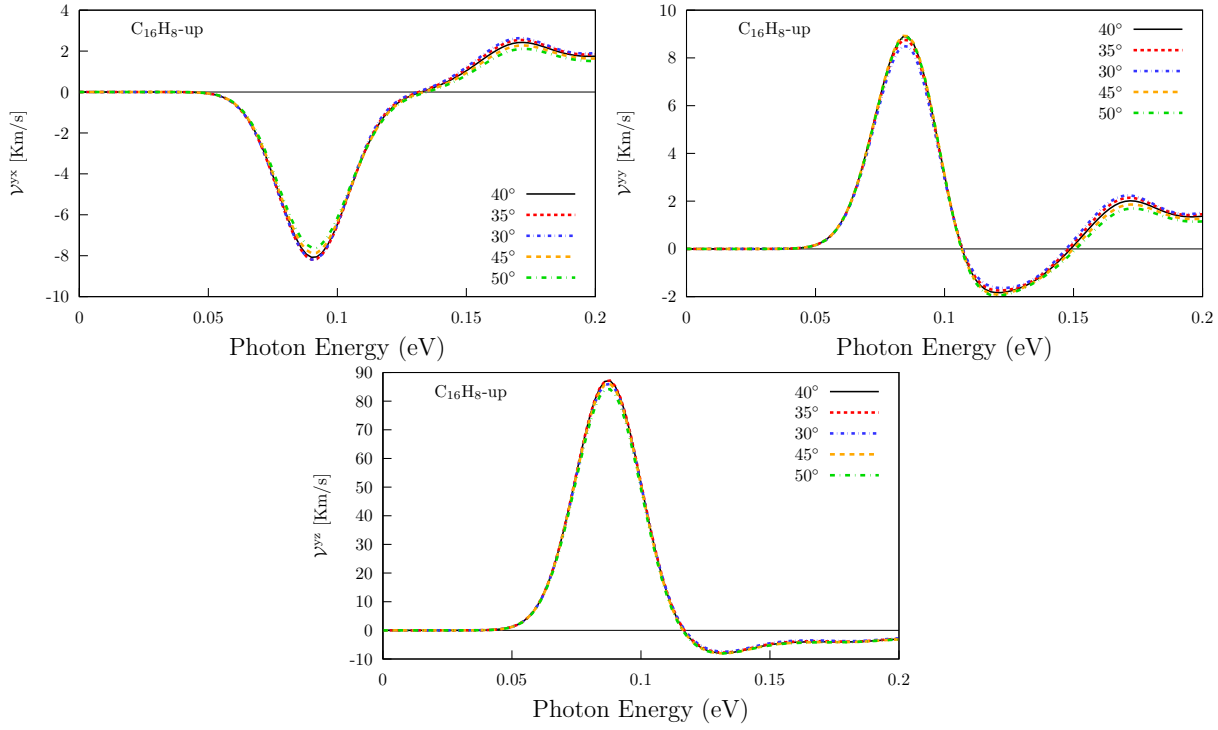

Figure 6: Cheking angle of incidence for *yb* components. fig:up-ybangcomp

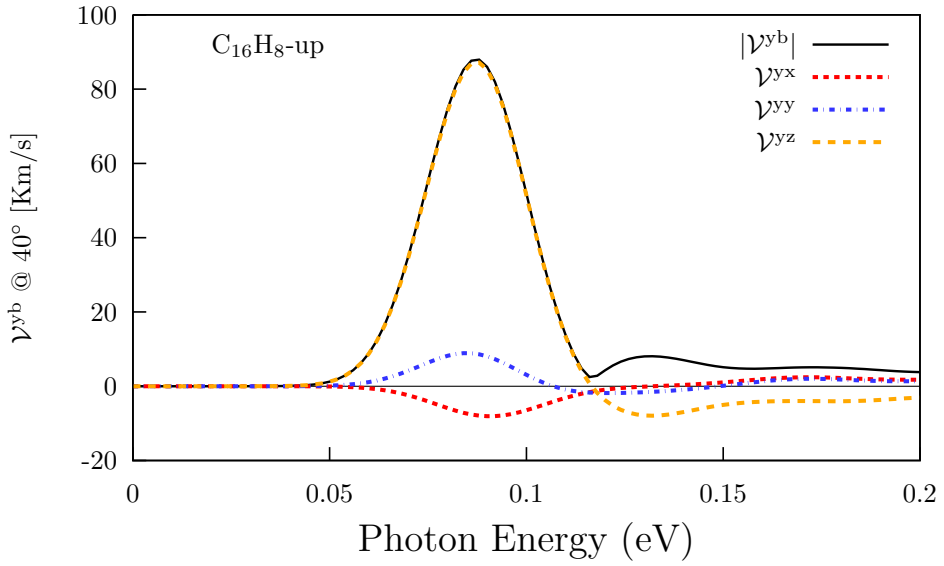

Figure 7: Three components of $\mathcal{V}^{\mathrm{yb}}$ @ 40°. fig:up-vyb1

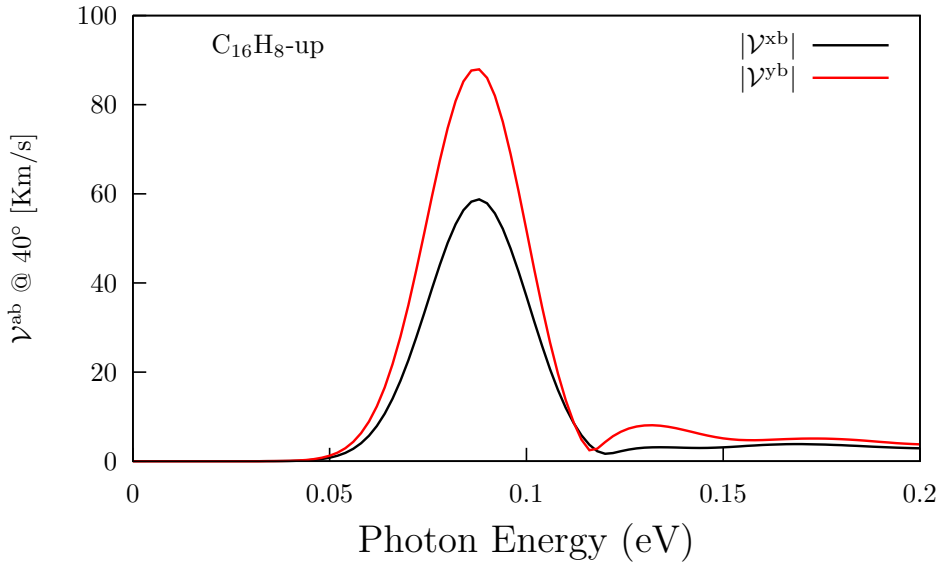

Figure 8: Comparisson of $|\mathcal{V}^{\mathrm{xb}}|$ and $|\mathcal{V}^{\mathrm{yb}}|$ fig:up-xbybcomp-1

1.3 $\mathcal{V}^{\mathrm{xb}}$ energy range 1.8–2.1 eV

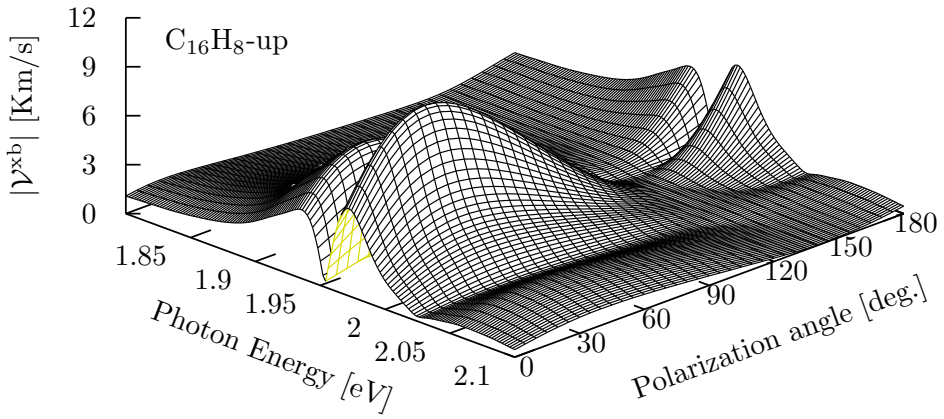

Figure 9: The most intense response for $\mathcal{V}^{\mathrm{xb}}$ is for 40°. fig:up-magxbincang2

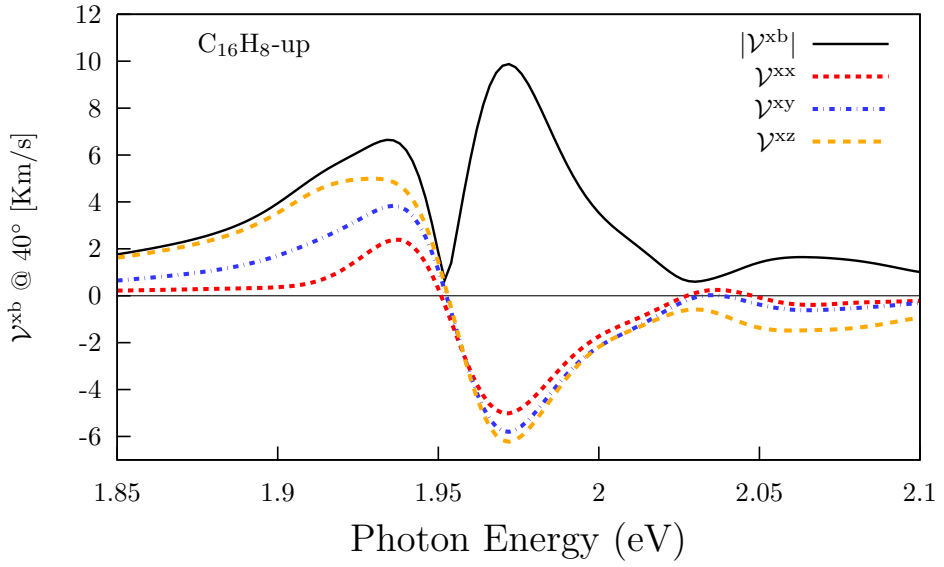

Figure 10: Three components of $\mathcal{V}^{\mathrm{xb}}$ @ 40°. fig:up-vxb2

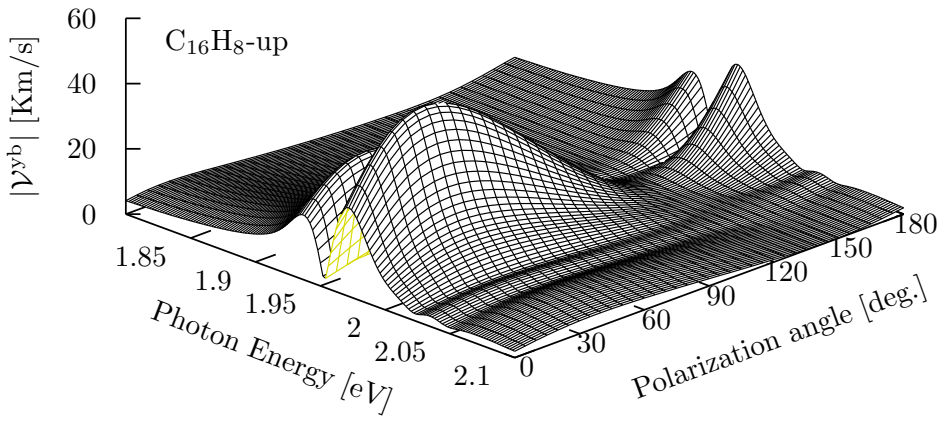

Figure 11: The most intense response for $\mathcal{V}^{\mathrm{yb}}$ is for 40°. fig:up-magybincang2

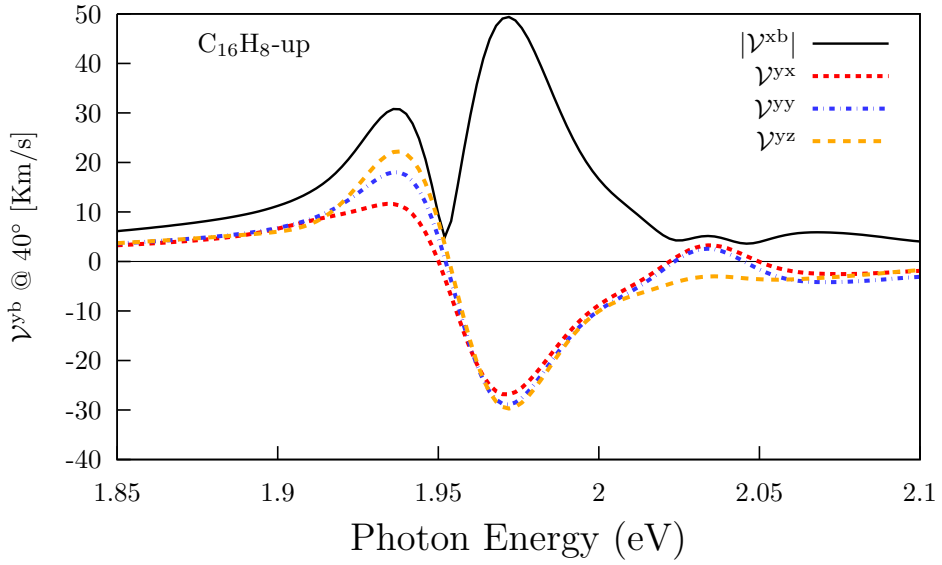

Figure 12: Three components of $\mathcal{V}^{\mathrm{yb}}$ @ 40°. fig:upvyb2

1.4 $|\mathcal{V}^{ab}|$, angles θ and φ, layers, and comparison with CdSe and GaAs for the energy range of 0.0–0.2 eV.

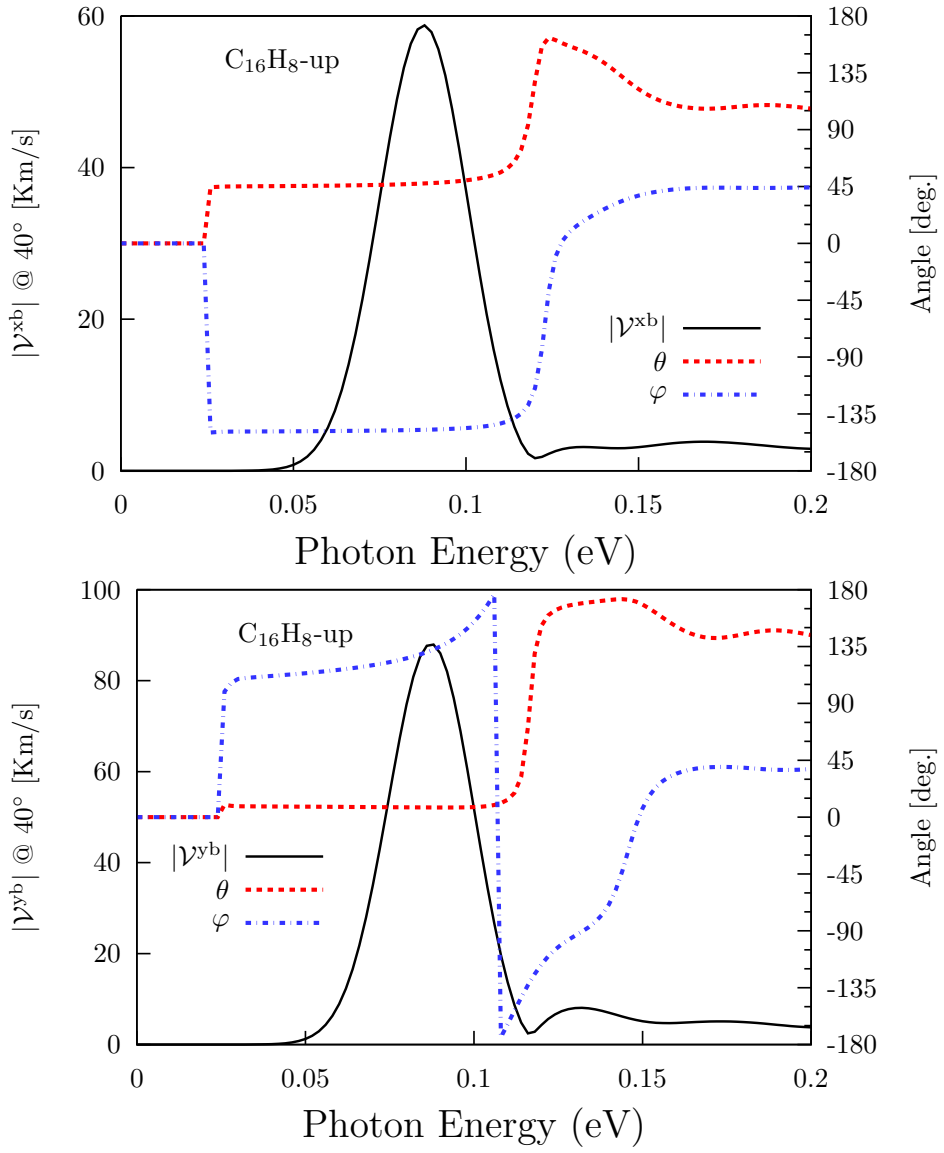

Figure 13: $|\mathcal{V}^{ab}|$ (solid line, leftside scale) and the corresponding angles θ and φ (dashed lines, rightside scale). `fig:up-rtp1`

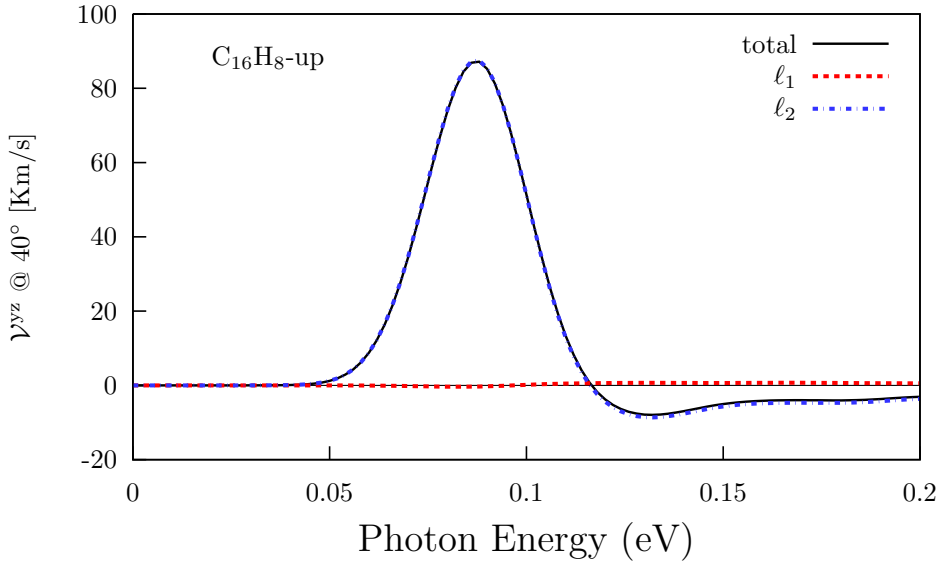

Figure 14: Layer decomposition for the most intense response: $\mathcal{V}^{yz}$. fig:up-lay1

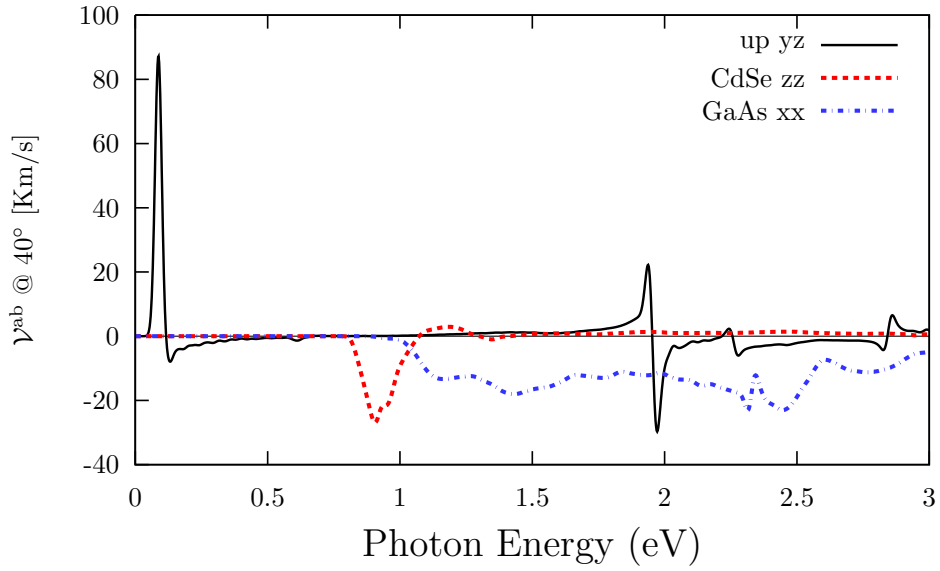

Figure 15: Comparisson of the most intense response vs the most intense responses of CdSe and GaAs. fig:up-comp1

1.5 $|\mathcal{V}^{ab}|$, angles θ and φ, layers, and comparison with CdSe and GaAs for the energy range of 1.8–2.1 eV

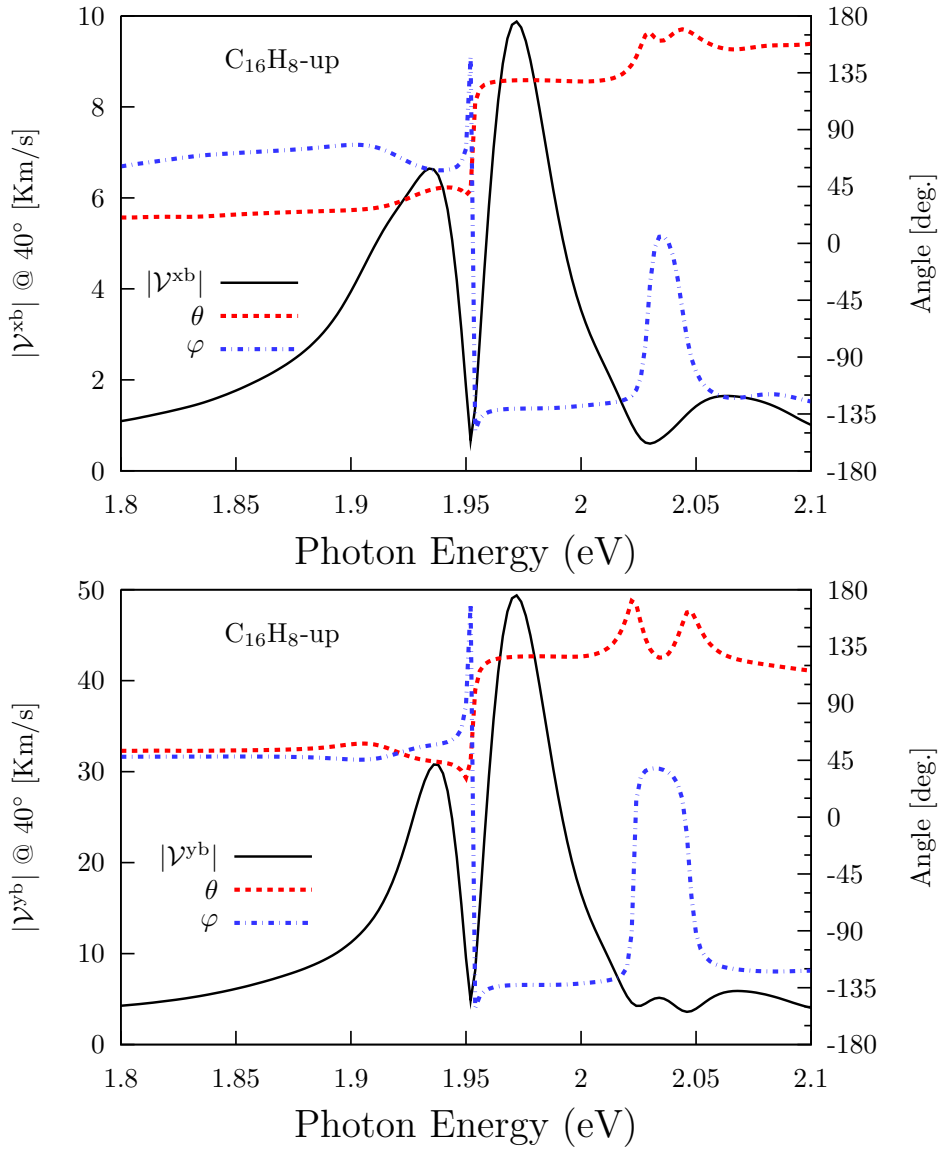

Figure 16: $|\mathcal{V}^{ab}|$ (solid line, leftside scale) and the corresponding angles θ and φ (dashed lines, rightside scale). `fig:up-rtp2`

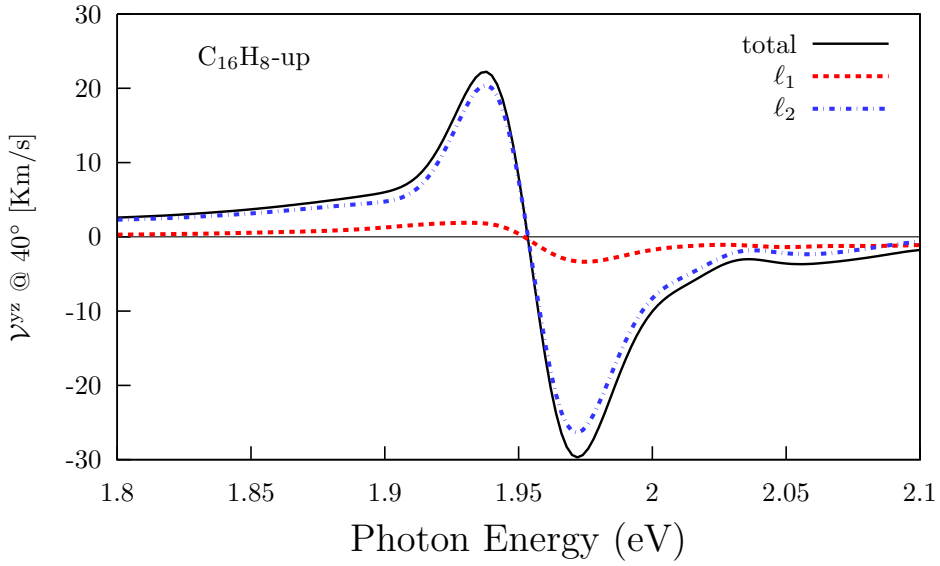

Figure 17: Layer decomposition for the most intense response: $\mathcal{V}^{yz}$. fig:up-lay2

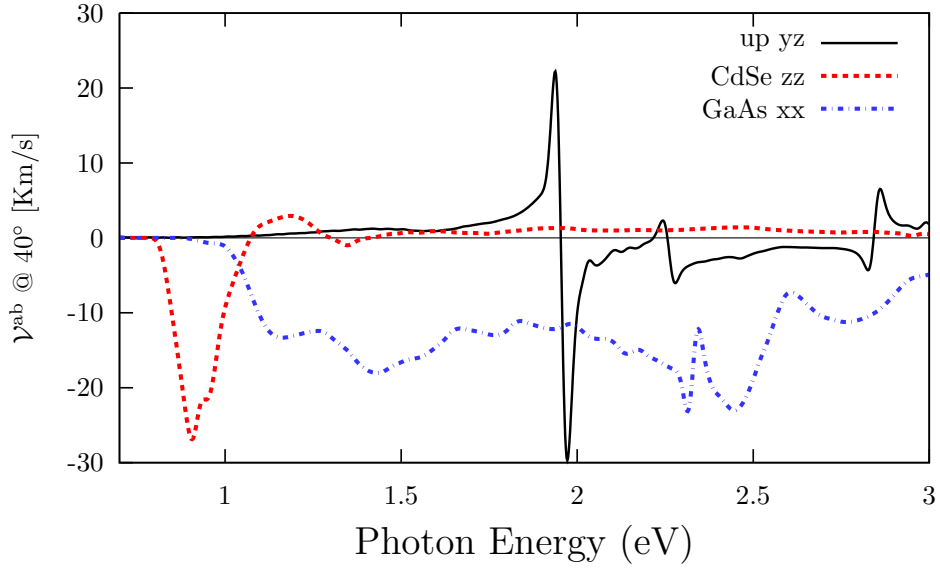

Figure 18: Comparisson of the most intense response vs the most intense responses of CdSe and GaAs. fig:up-comp2

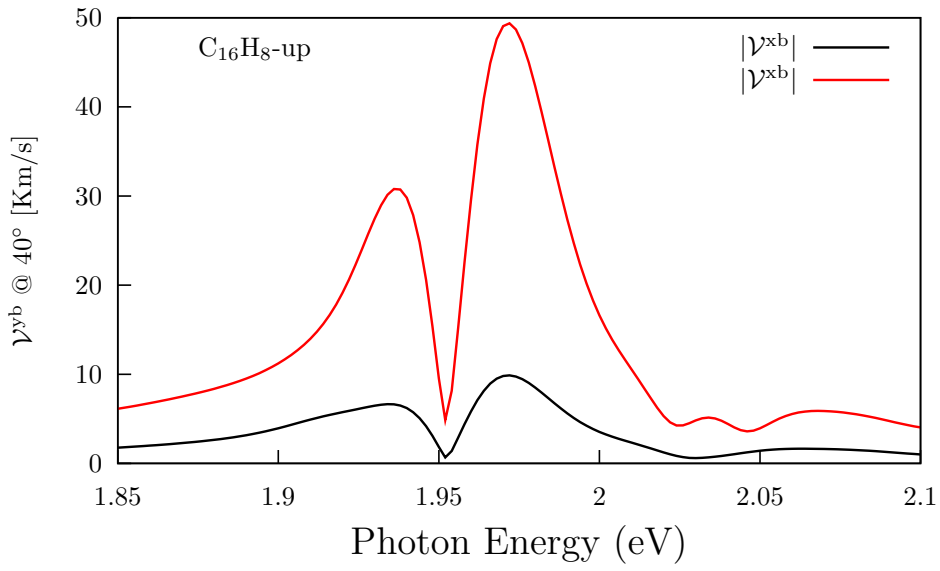

fig:up-xbybcomp-2

2 alt

sec:alt

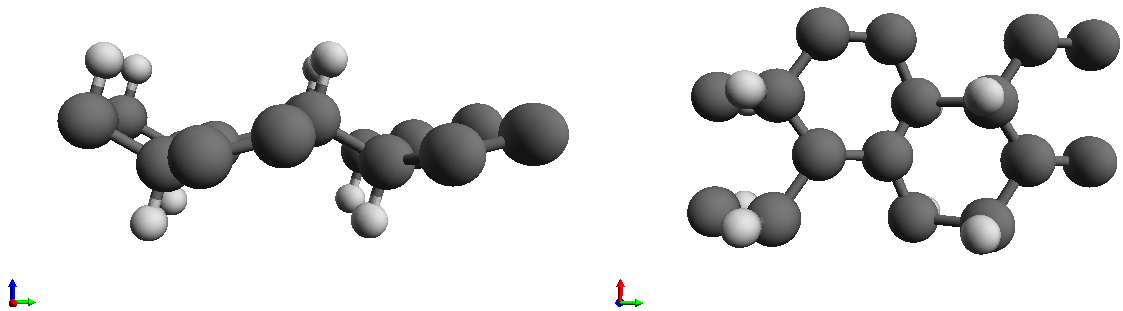

Figure 19: Alt structure.

fig:altstruc

2.1 $\mathcal{V}^{\mathrm{xb}}$

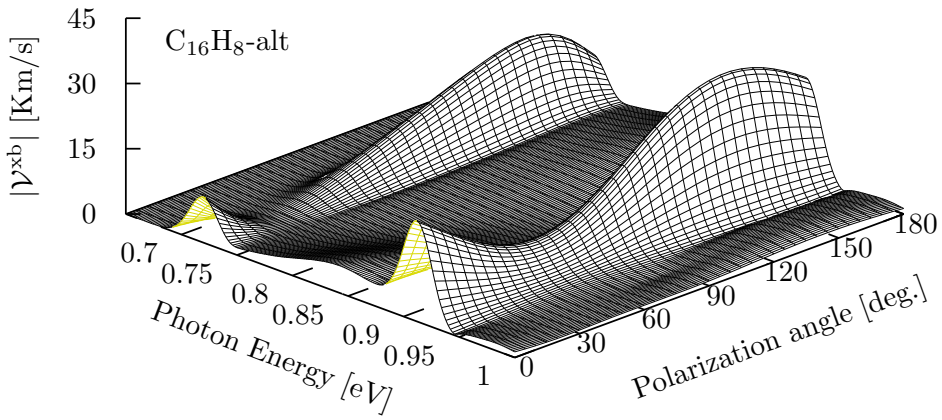

Figure 20: The most intense response for $\mathcal{V}^{\mathrm{xb}}$ is for 145°.

fig:alt-magvxbincang

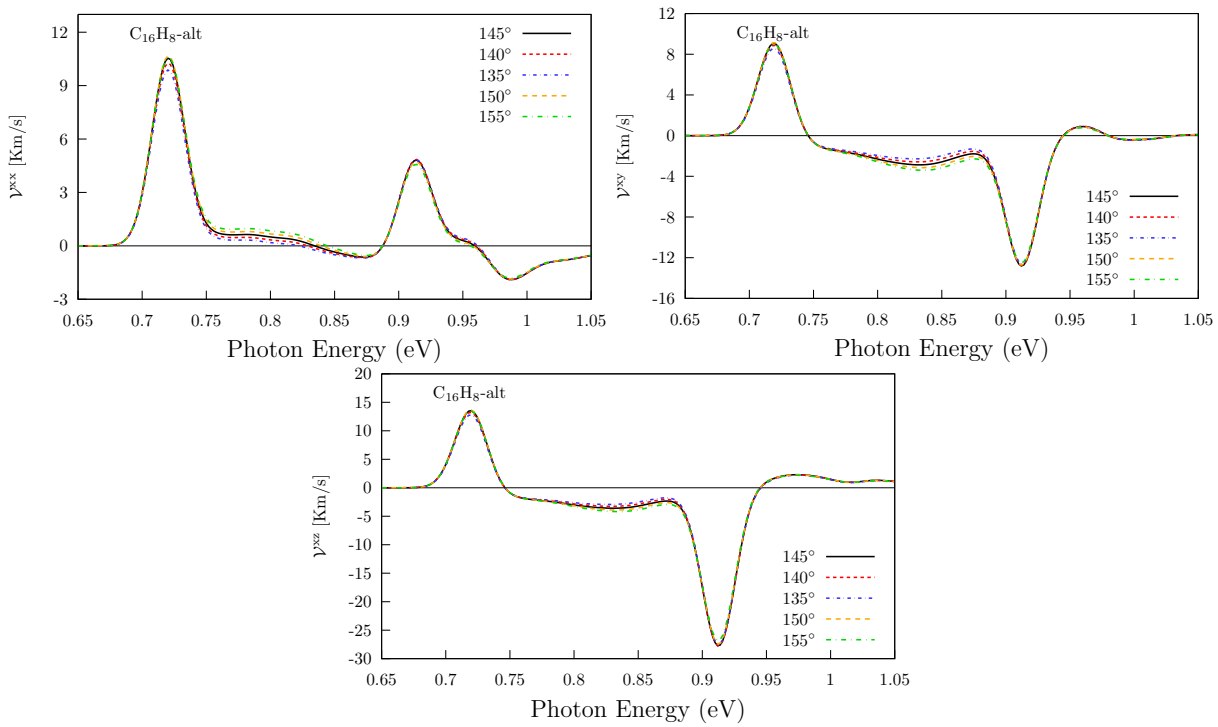

Figure 21: Cheking angle of incidence for xb components. fig:alt-xbangcomp

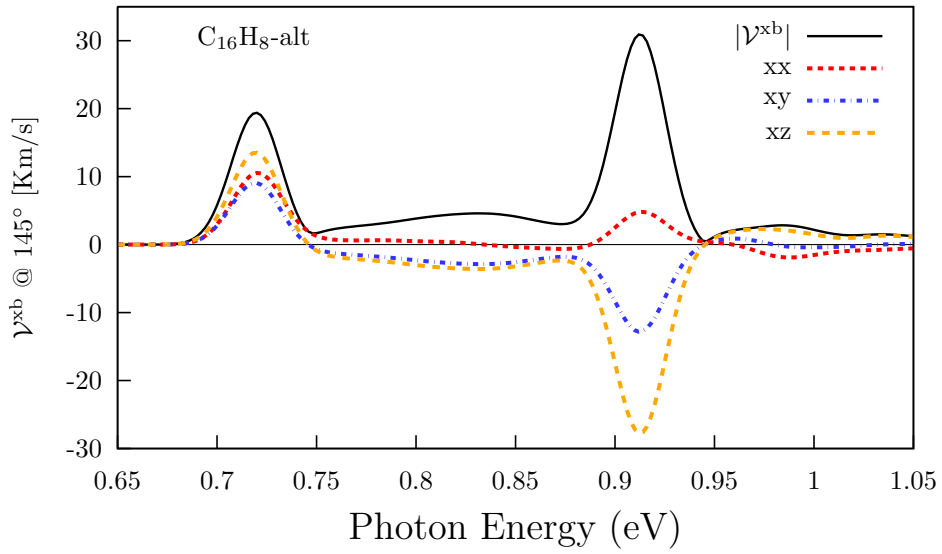

Figure 22: Three components of $\mathcal{V}^{xb}$ @ 145°. fig:alt-vxb1

2.2 $\mathcal{V}^{yb}$

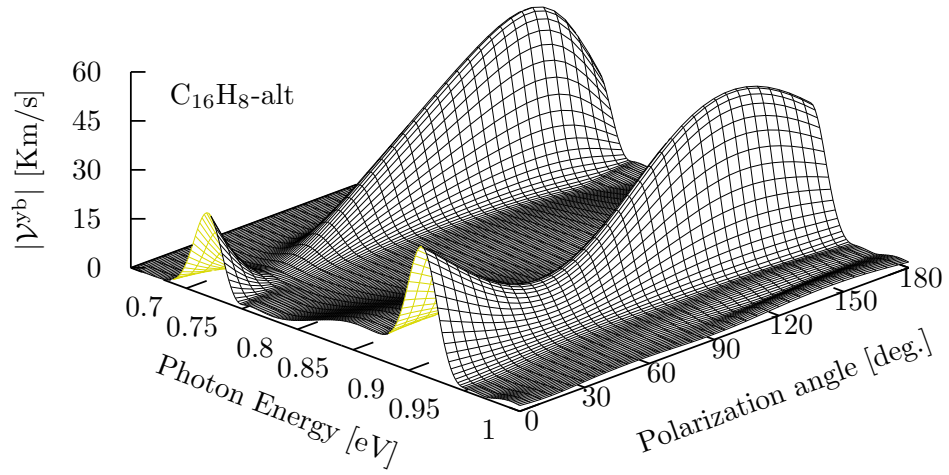

Figure 23: The most intense response for $\mathcal{V}^{yb}$ is for 145°. fig:alt-magvybincang1

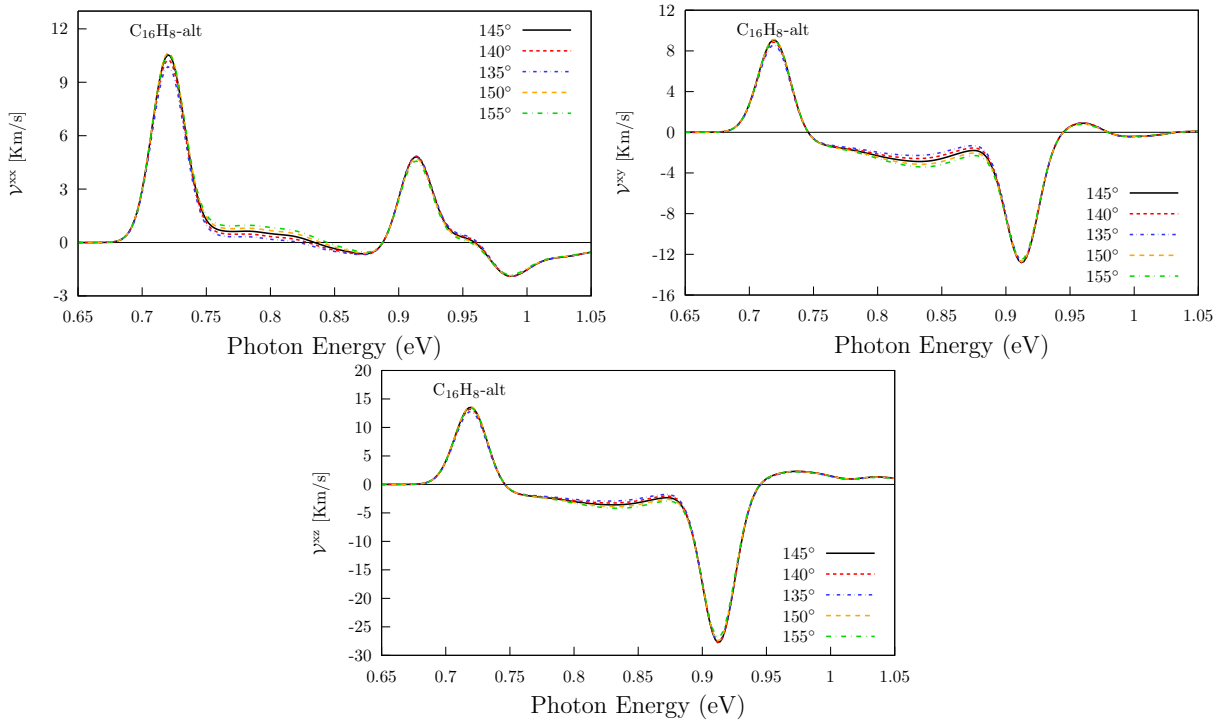

Figure 24: Cheking angle of incidence for *yb* components. fig:alt-ybangcomp

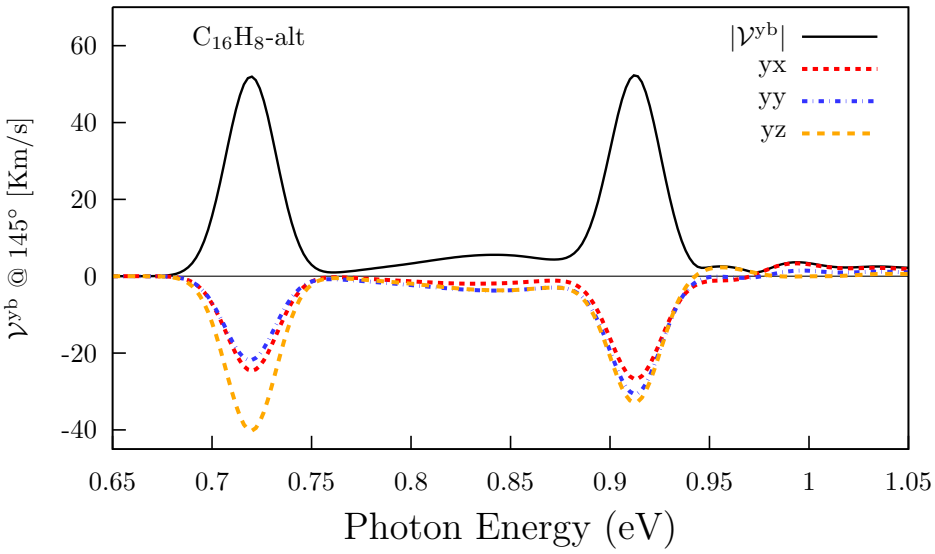

Figure 25: Three components of $\mathcal{V}^{\mathrm{yb}}$ @ 145°.

fig:alt-vyb1

2.3 $|\mathcal{V}^{ab}|$, angles θ and φ, layers, and comparison with CdSe and GaAs.

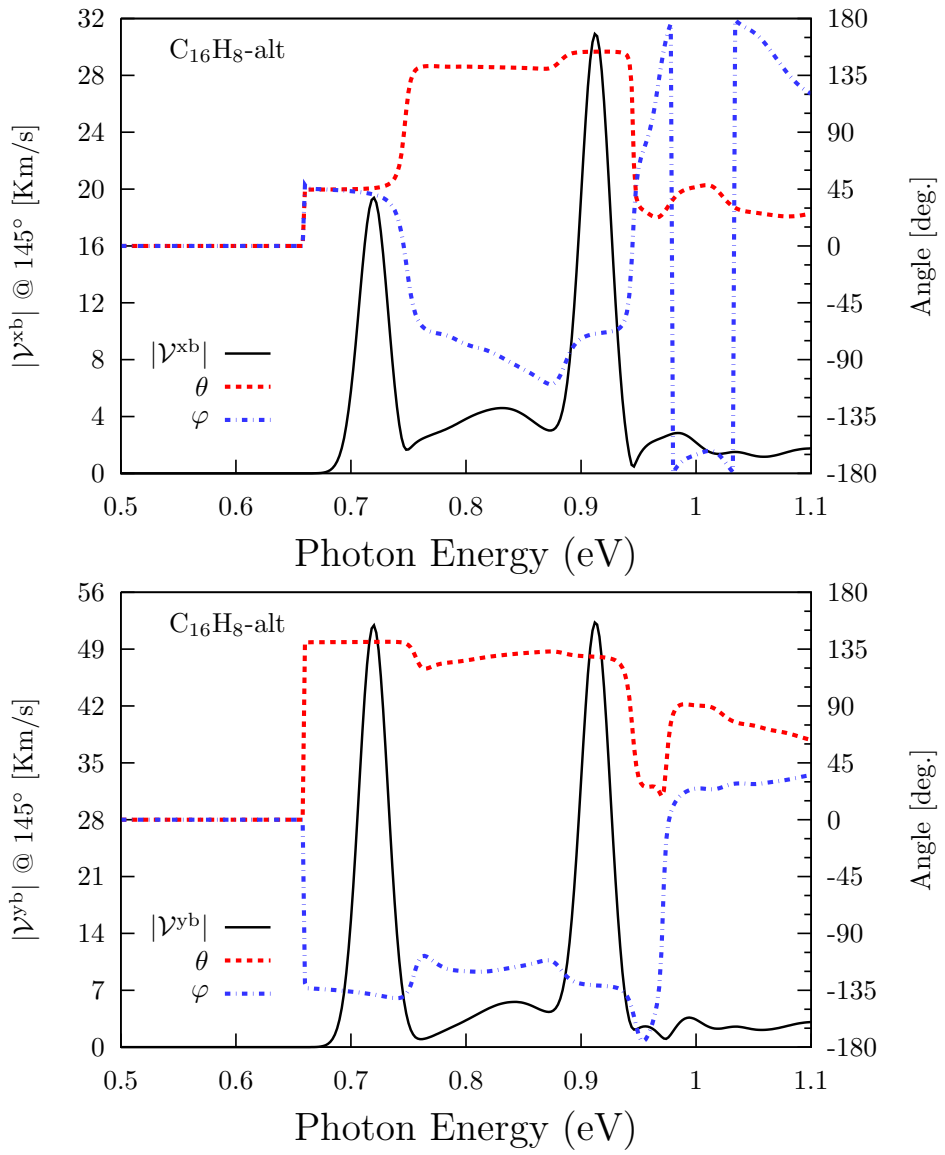

Figure 26: $|\mathcal{V}^{ab}|$ (solid line, leftside scale) and the corresponding angles θ and φ (dashed lines, rightside scale). fig:alt-rtp

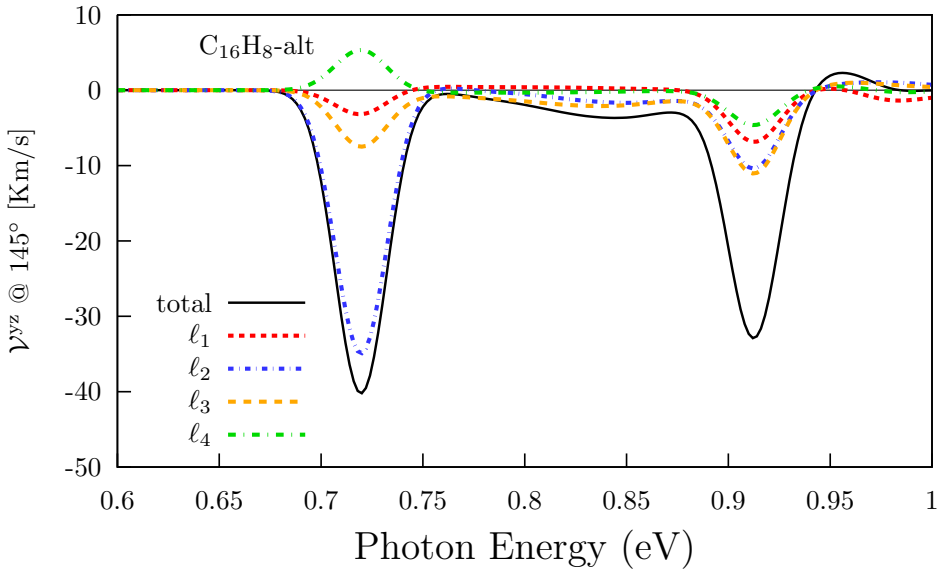

Figure 27: Layer decomposition for the most intense response: $\mathcal{V}^{yz}$. fig:alt-lay

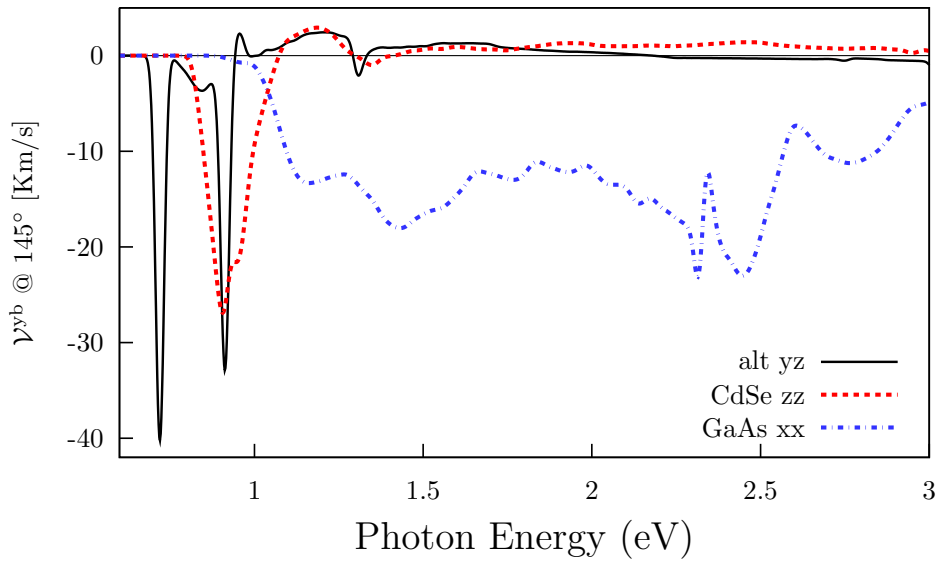

Figure 28: Comparisson of the most intense response vs the most intense responses of CdSe and GaAs. fig:alt-comp

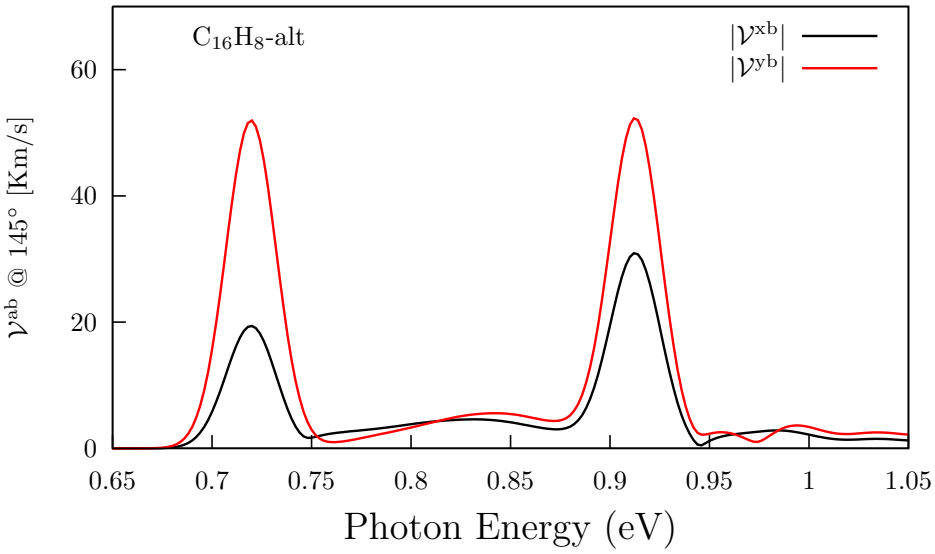

Figure 29: Comparisson of $|\mathcal{V}^{\mathrm{xb}}|$ and $|\mathcal{V}^{\mathrm{yb}}|$ fig:alt-xbybcomp

3 $HNBC_2H$-aa

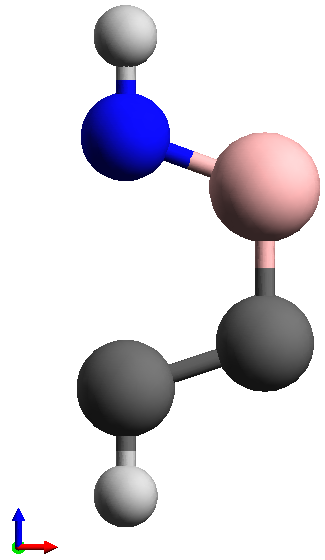

Figure 30: $HNBC_2H$-aa structure fig:aastruc

3.1 $\mathcal{V}^{xb}$

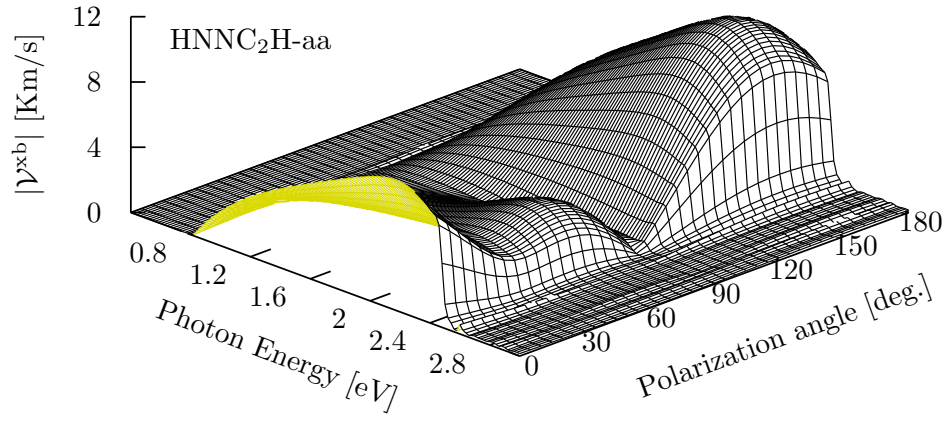

Figure 31: The most intense response for $\mathcal{V}^{xb}$ is for 155°. fig:aa-magvxbincang

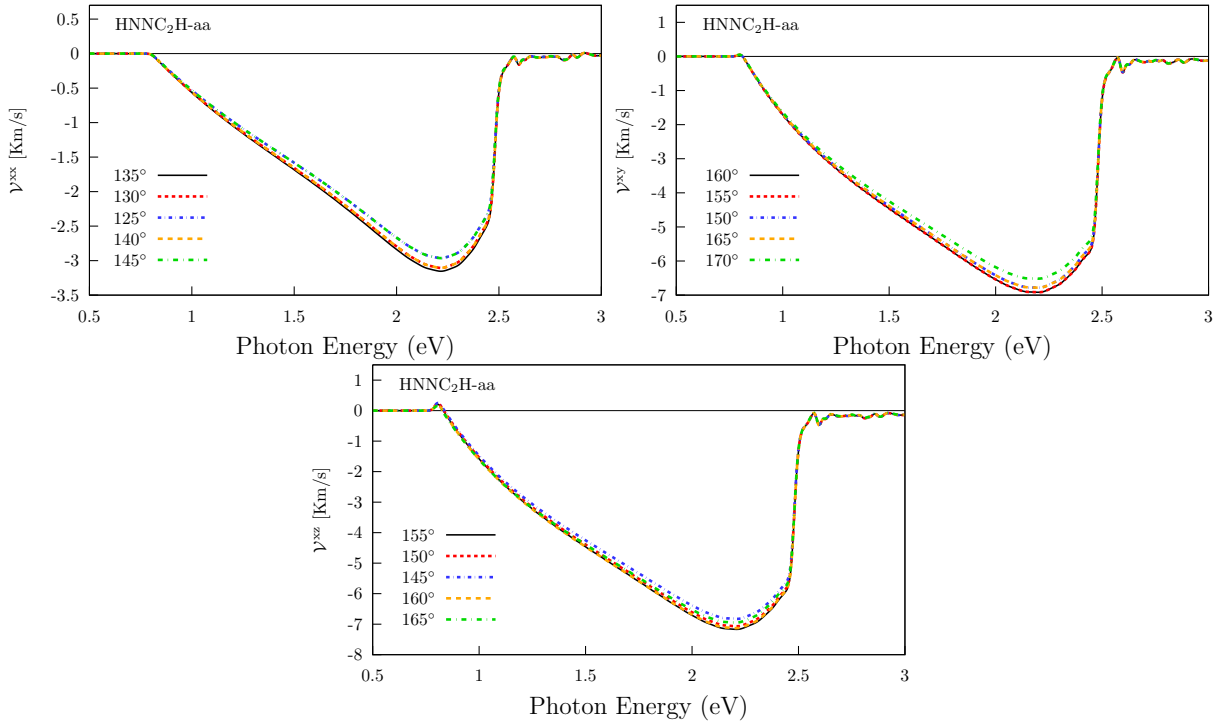

Figure 32: Cheking angle of incidence for xb components. There is a different angle for each component to have the most intense response.

fig:aa-xbangcomp

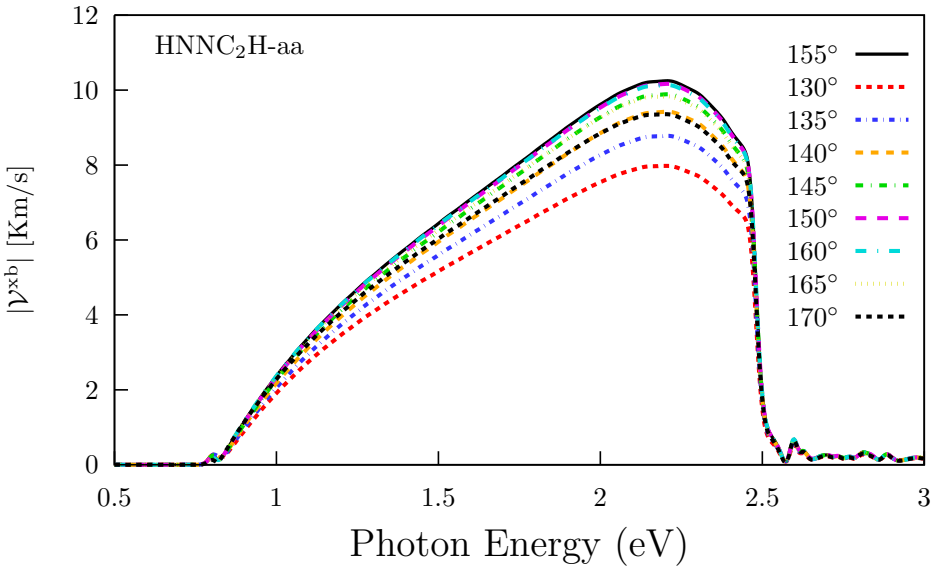

Figure 33: Comparisson of $|\mathcal{V}^{xb}|$ for different polarization angles.

fig:aa-magvxb

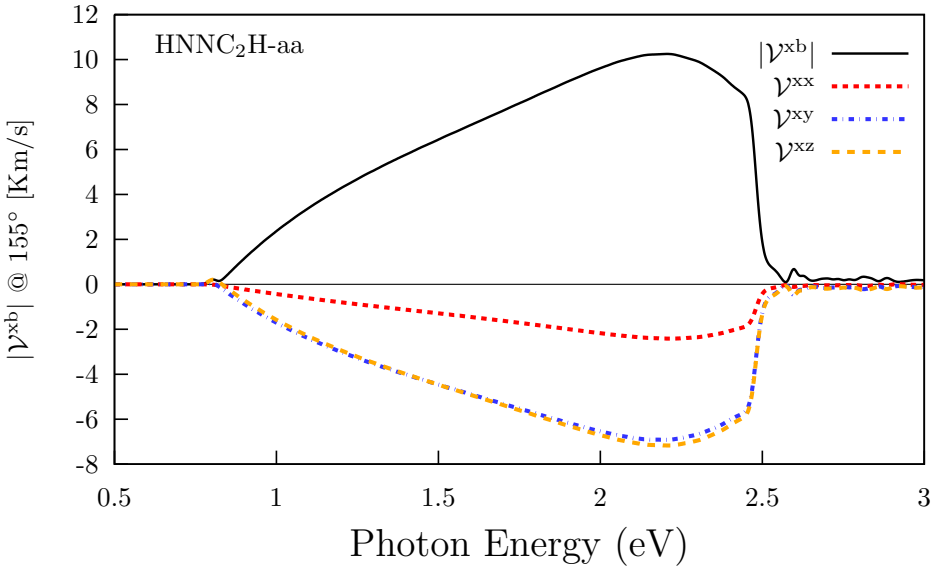

Figure 34: Three components of $\mathcal{V}^{\mathrm{xb}}$ @ 155°.

fig:aa-vxb1

3.2 $\mathcal{V}^{\mathrm{yb}}$

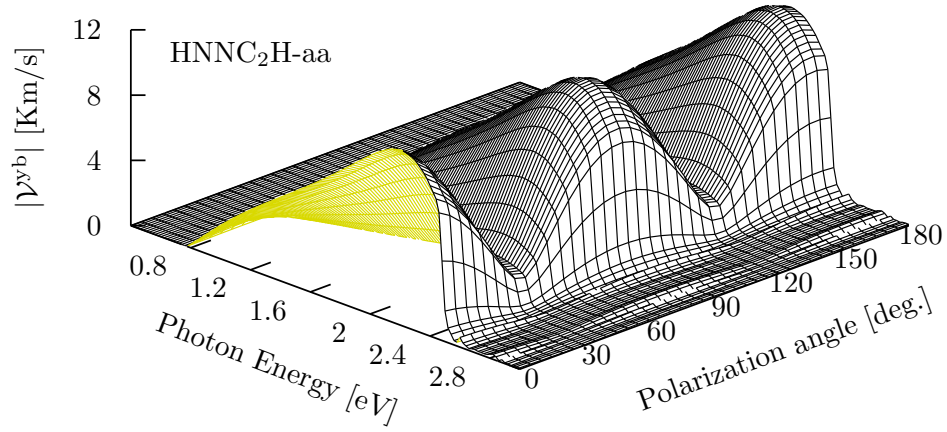

Figure 35: The most intense response for $\mathcal{V}^{\mathrm{yb}}$ is for 155°. fig:aa-magvybincang

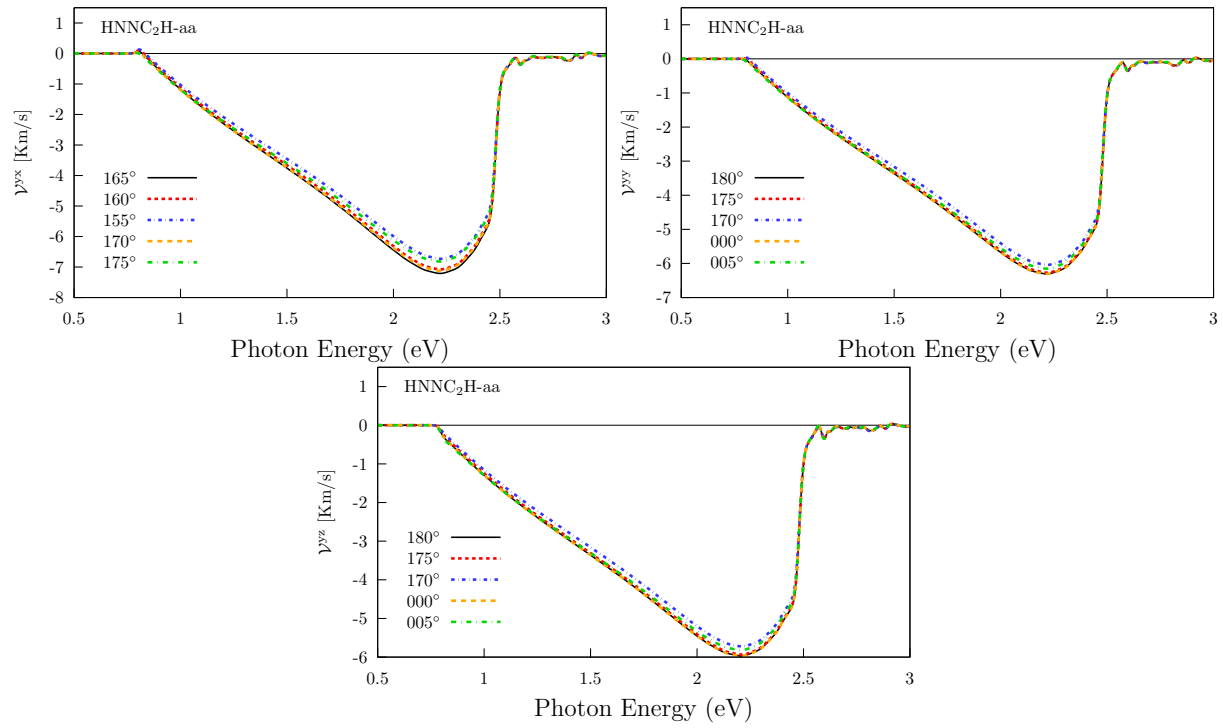

Figure 36: Cheking angle of incidence for *yb* components. There is a different angle for each component to have the most intense response. fig:aa-ybangcomp

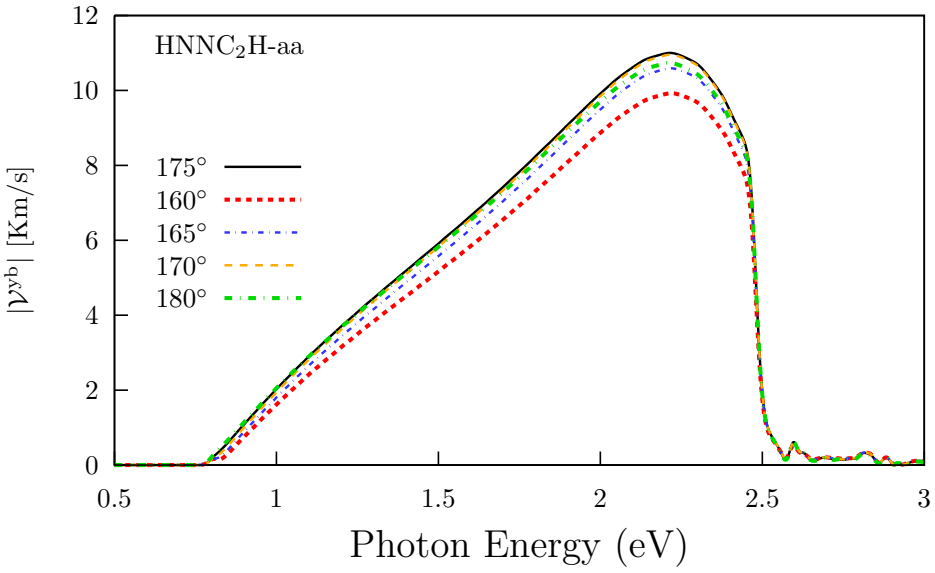

Figure 37: Comparisson of $|\mathcal{V}^{\mathrm{yb}}|$ for different polarization angles. fig:aa-magvyb

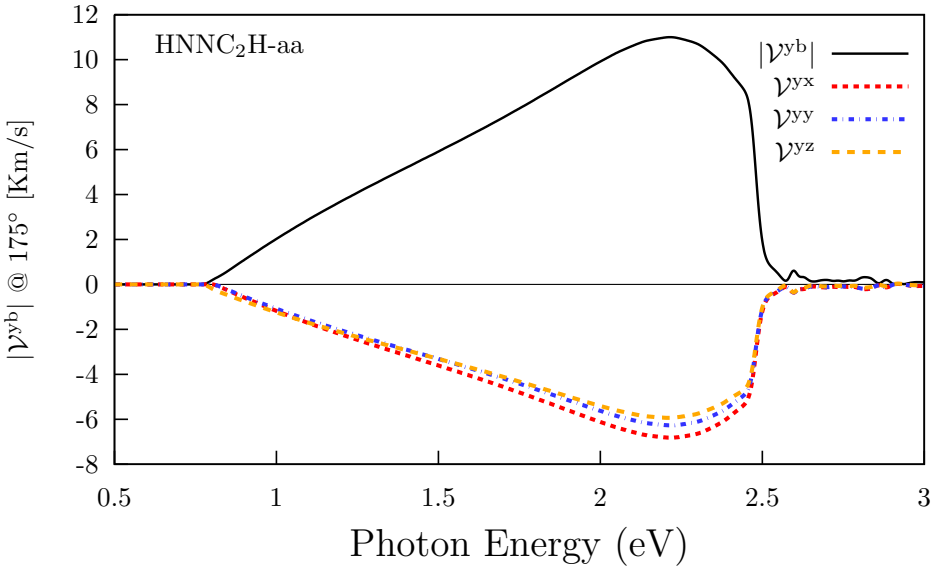

Figure 38: Three components of $\mathcal{V}^{\mathrm{yb}}$ @ 175°. fig:aa-vyb2

3.3 $|\mathcal{V}^{ab}|$, angles θ and φ, layers, and comparison with CdSe and GaAs.

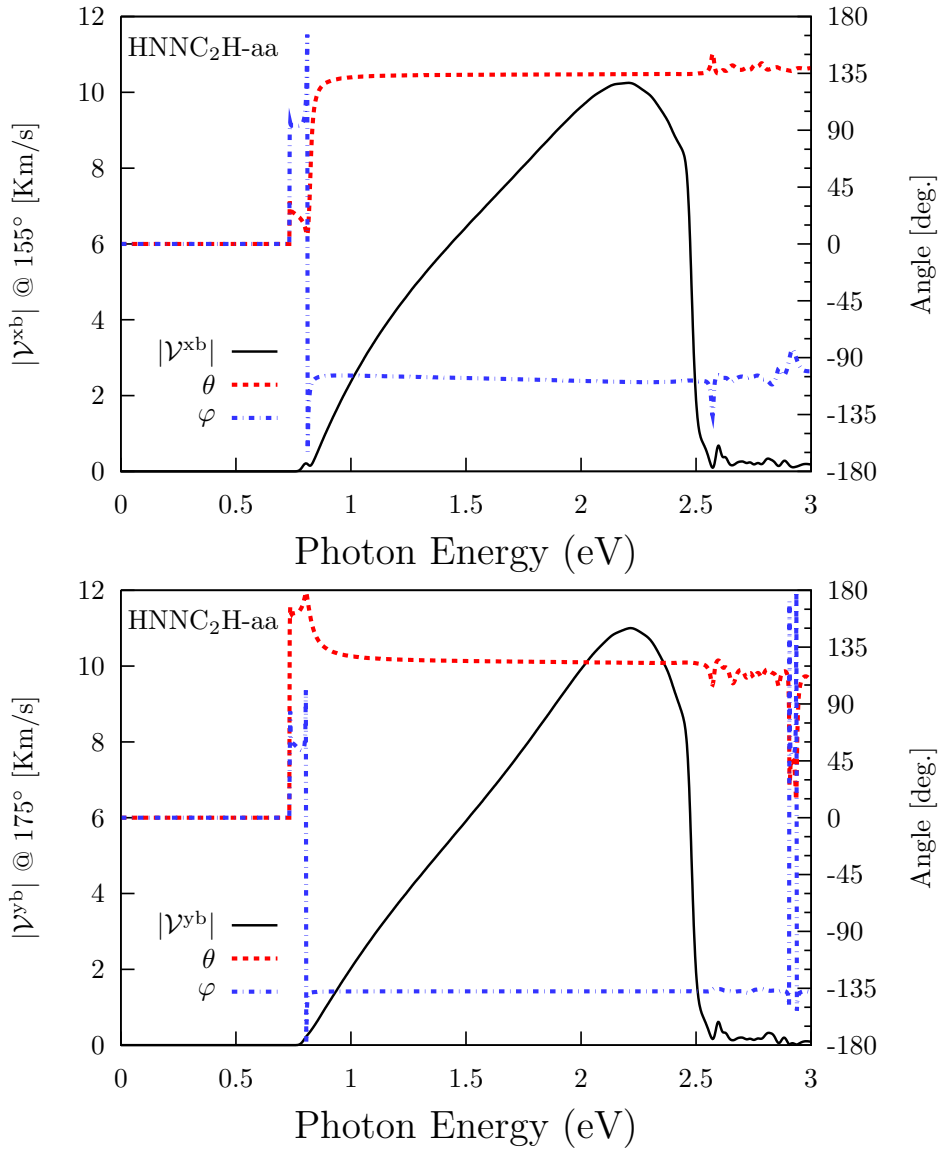

Figure 39: $|\mathcal{V}^{ab}|$ (solid line, leftside scale) and the corresponding angles θ and φ (dashed lines, rightside scale). `fig:aa-rtp`

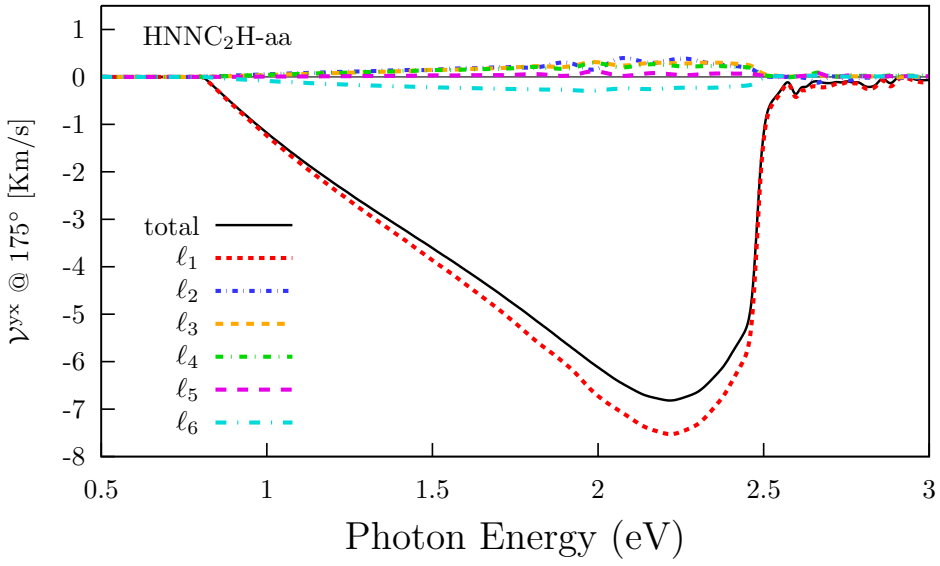

Figure 40: Layer decomposition for the most intense response: $\mathcal{V}^{yz}$. fig:aa-lay

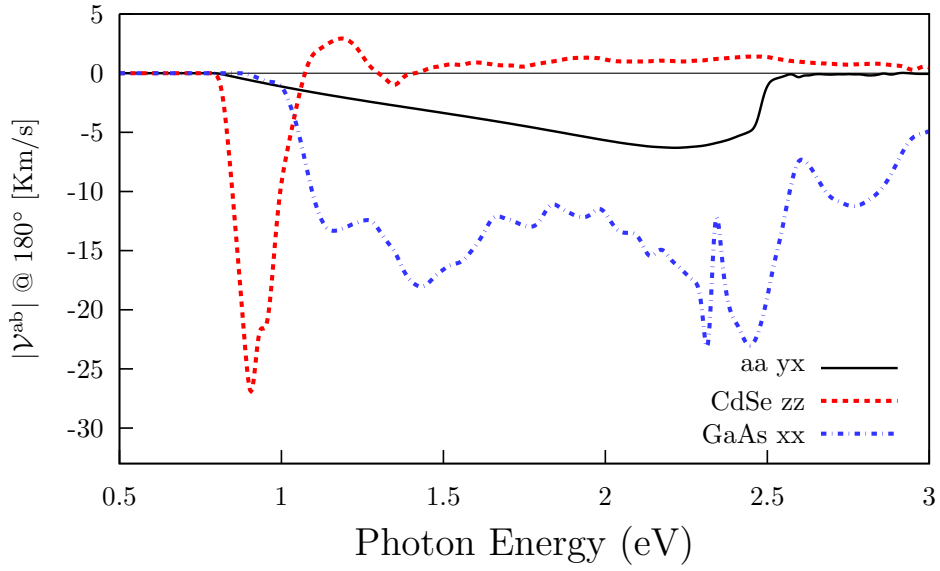

Figure 41: Comparisson of the most intense response vs the most intense responses of CdSe and GaAs. fig:aa-comp

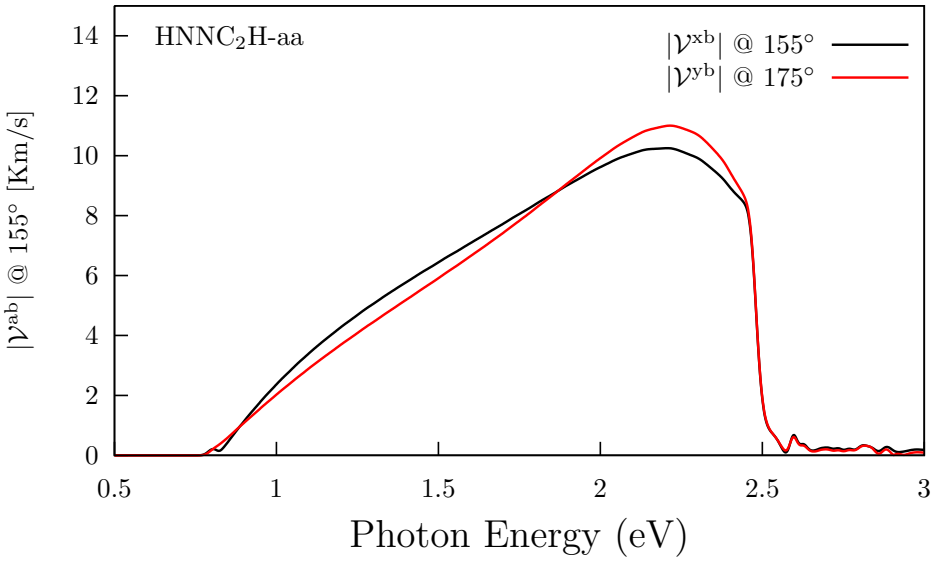

Figure 42: Comparisson of $|\mathcal{V}^{\mathrm{xb}}|$ and $|\mathcal{V}^{\mathrm{yb}}|$. fig:aa-xbybcomp

4 $HNBC_2H$-ab

sec:ab

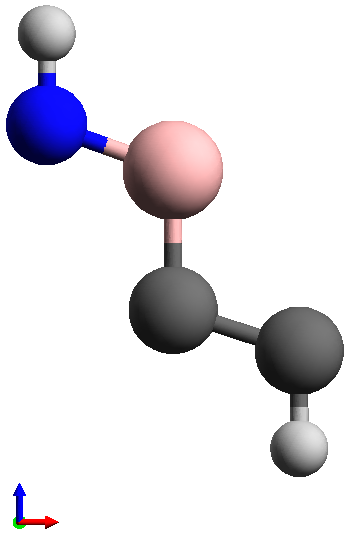

Figure 43: $HNBC_2H$-ab structure

fig:abstruc

4.1 $\mathcal{V}^{\mathrm{xb}}$

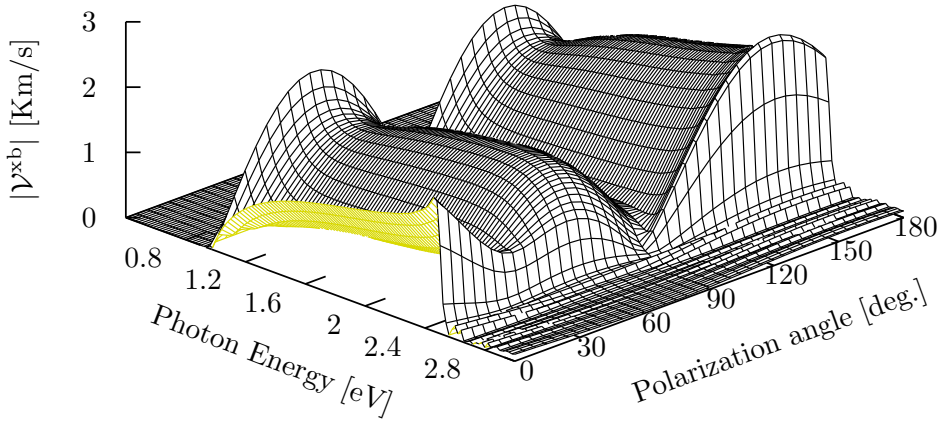

Figure 44: The most intense response for $\mathcal{V}^{\mathrm{xb}}$ is for 155°.

fig:ab-magvxbincang

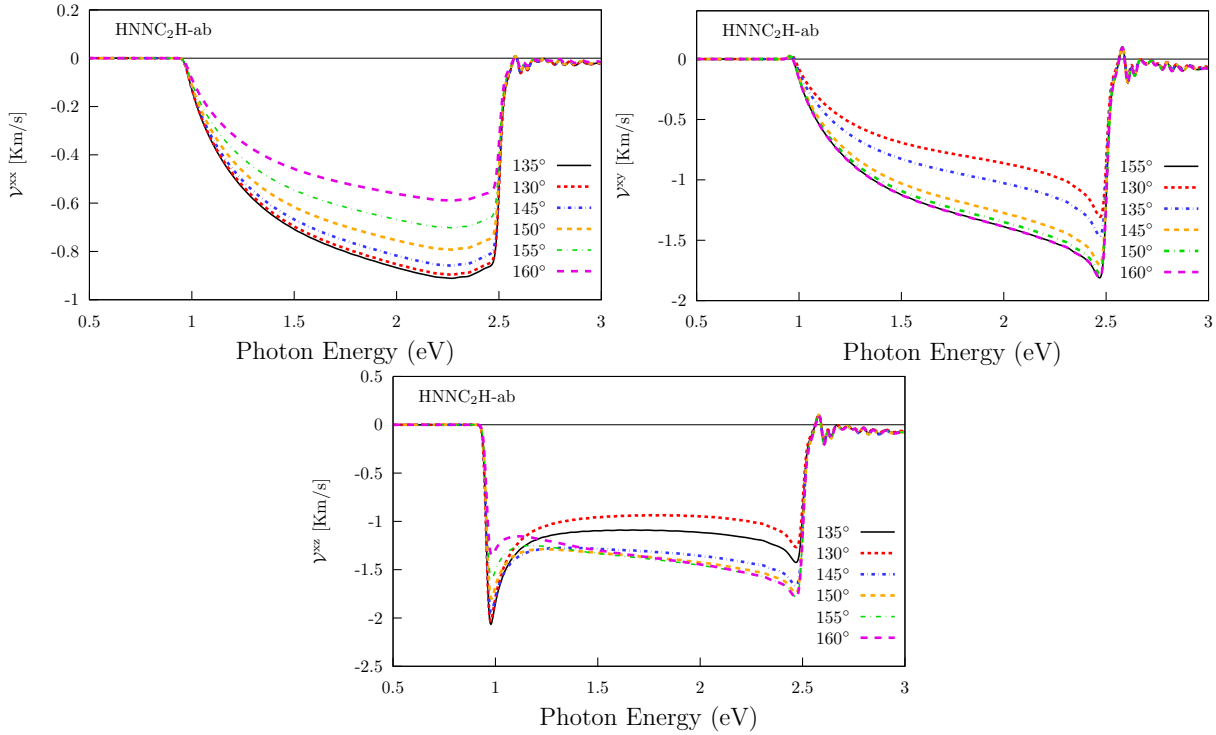

Figure 45: Cheking angle of incidence for xb components. There is a different angle for each component to have the most intense response.

`fig:ab-xbangcomp`

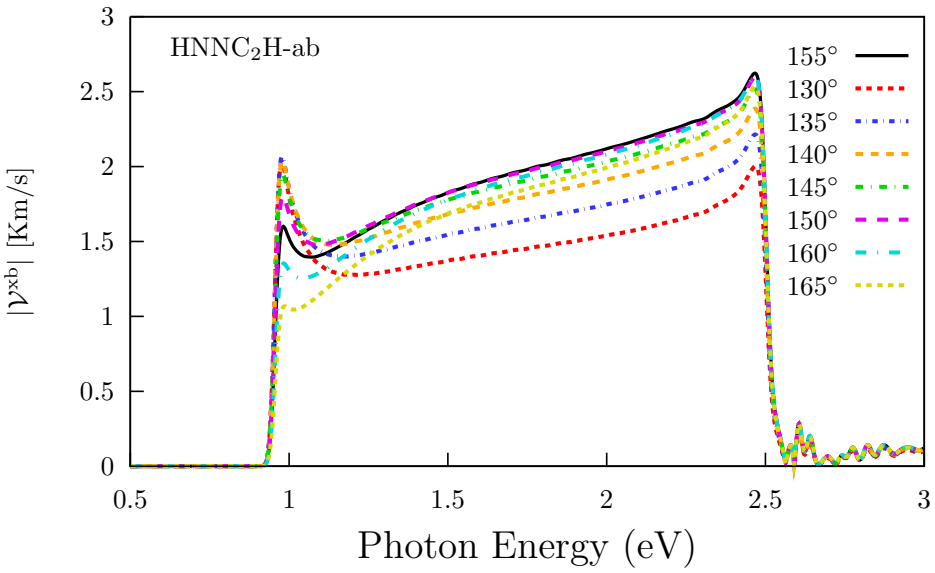

Figure 46: Comparisson of $|\mathcal{V}^{xb}|$ for different polarization angles.

`fig:ab-magvxb`

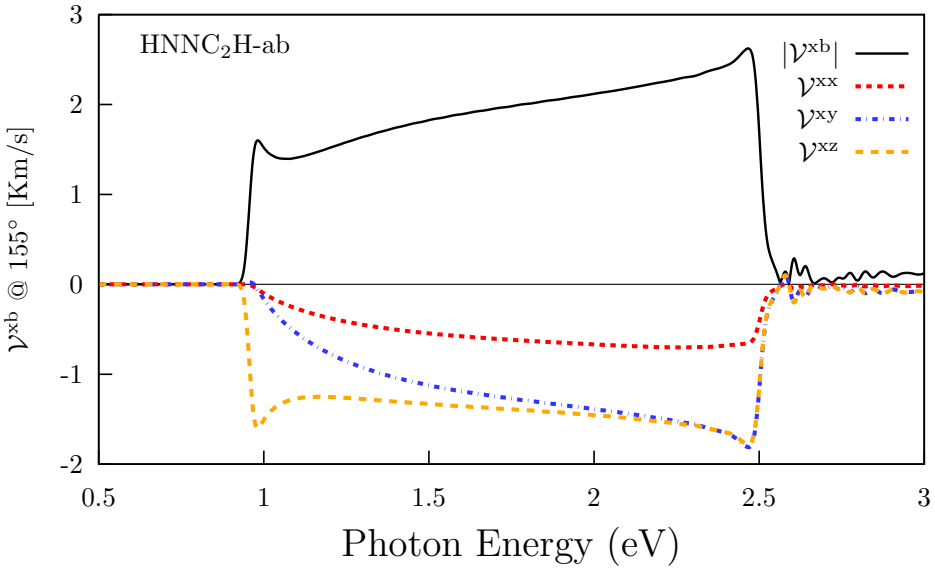

Figure 47: Three components of $\mathcal{V}^{\mathrm{xb}}$ @ 155°.

fig:ab-vxb

4.2 $\mathcal{V}^{\mathrm{yb}}$

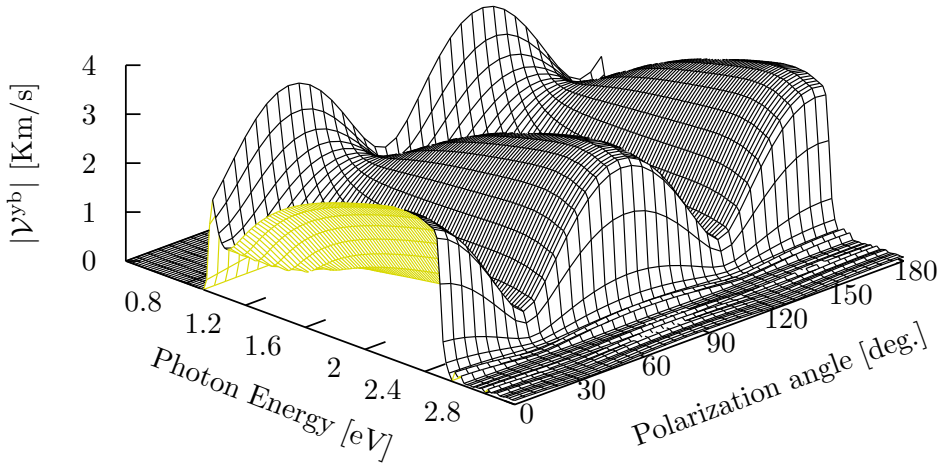

Figure 48: The most intense response for $\mathcal{V}^{\mathrm{yb}}$ is for 155°. fig:ab-magvybincang

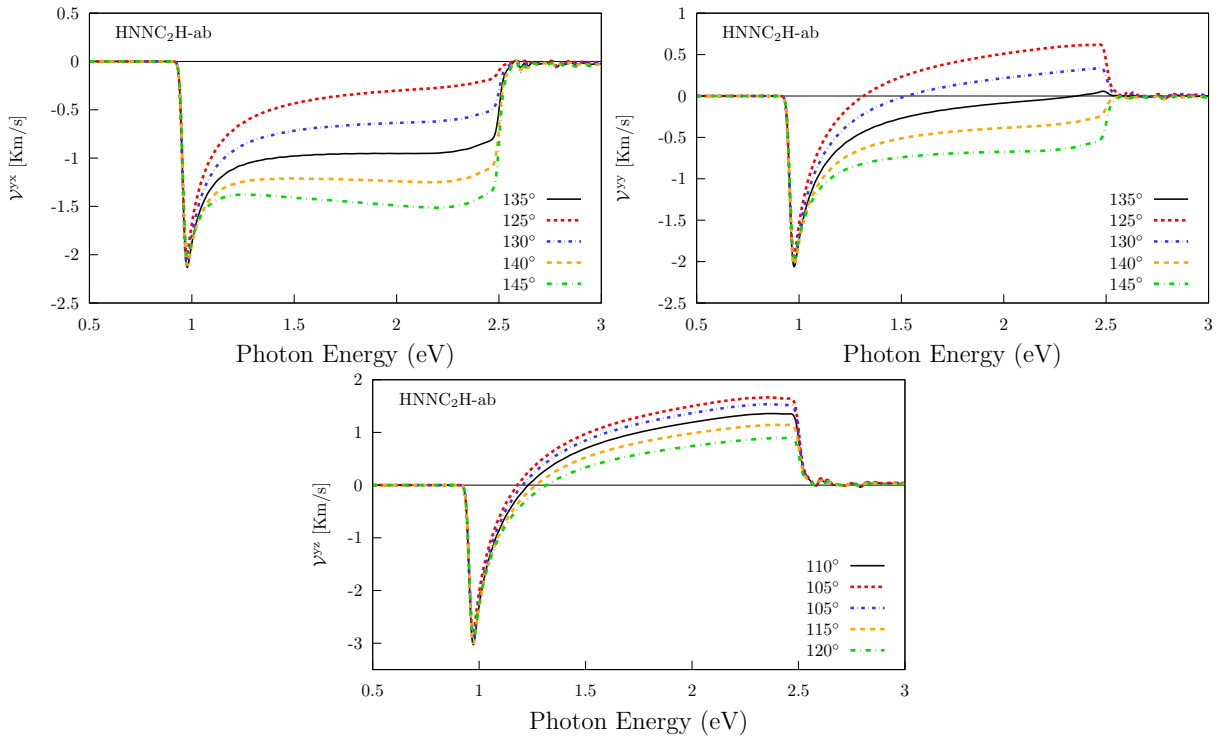

Figure 49: Cheking angle of incidence for *yb* components. There is a different angle for each component to have the most intense response. fig:ab-ybangcomp

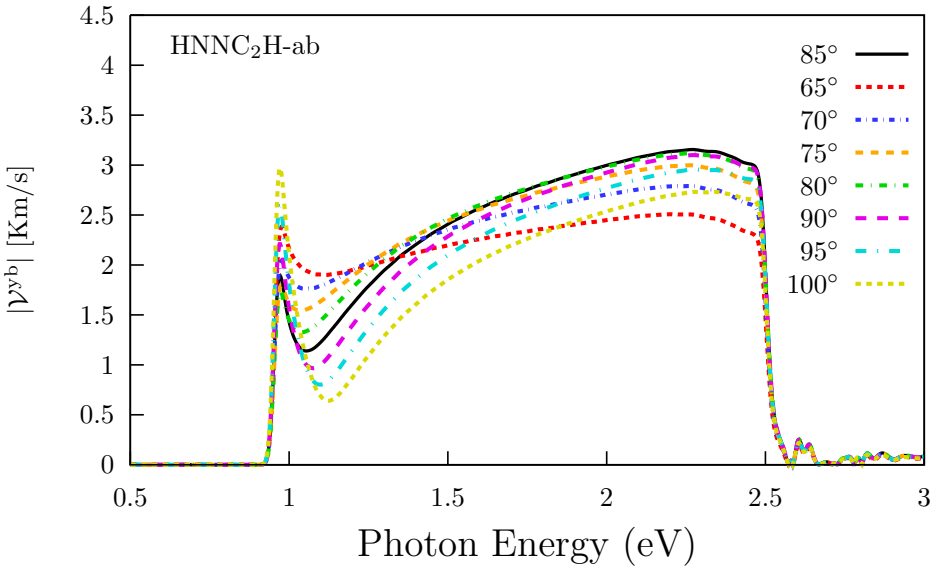

Figure 50: Comparisson of $|\mathcal{V}^{\mathrm{yb}}|$ for different polarization angles. fig:ab-magvyb

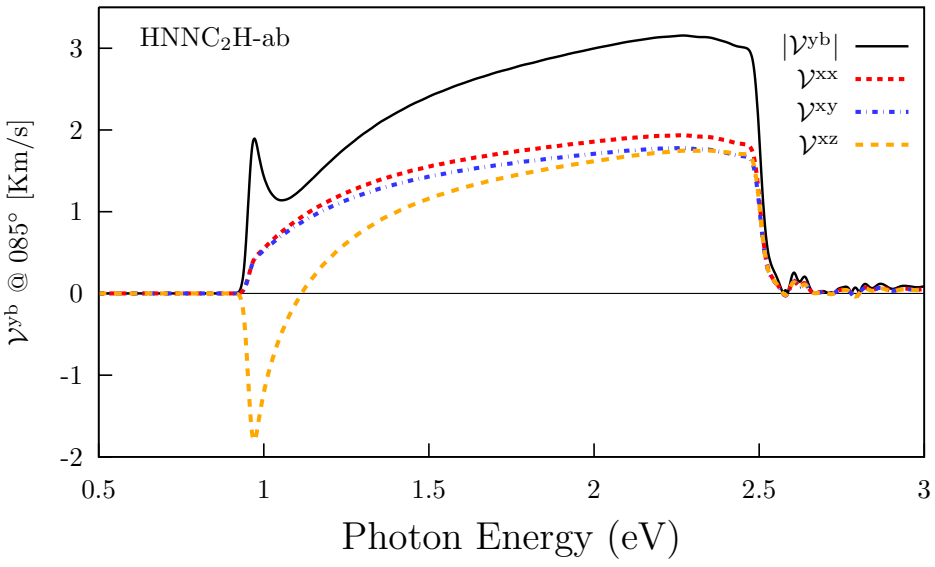

Figure 51: Three components of $\mathcal{V}^{\mathrm{yb}}$ @ 125°. fig:ab-vyb

4.3 $|\mathcal{V}^{ab}|$, angles θ and φ, layers, and comparison with CdSe and GaAs.

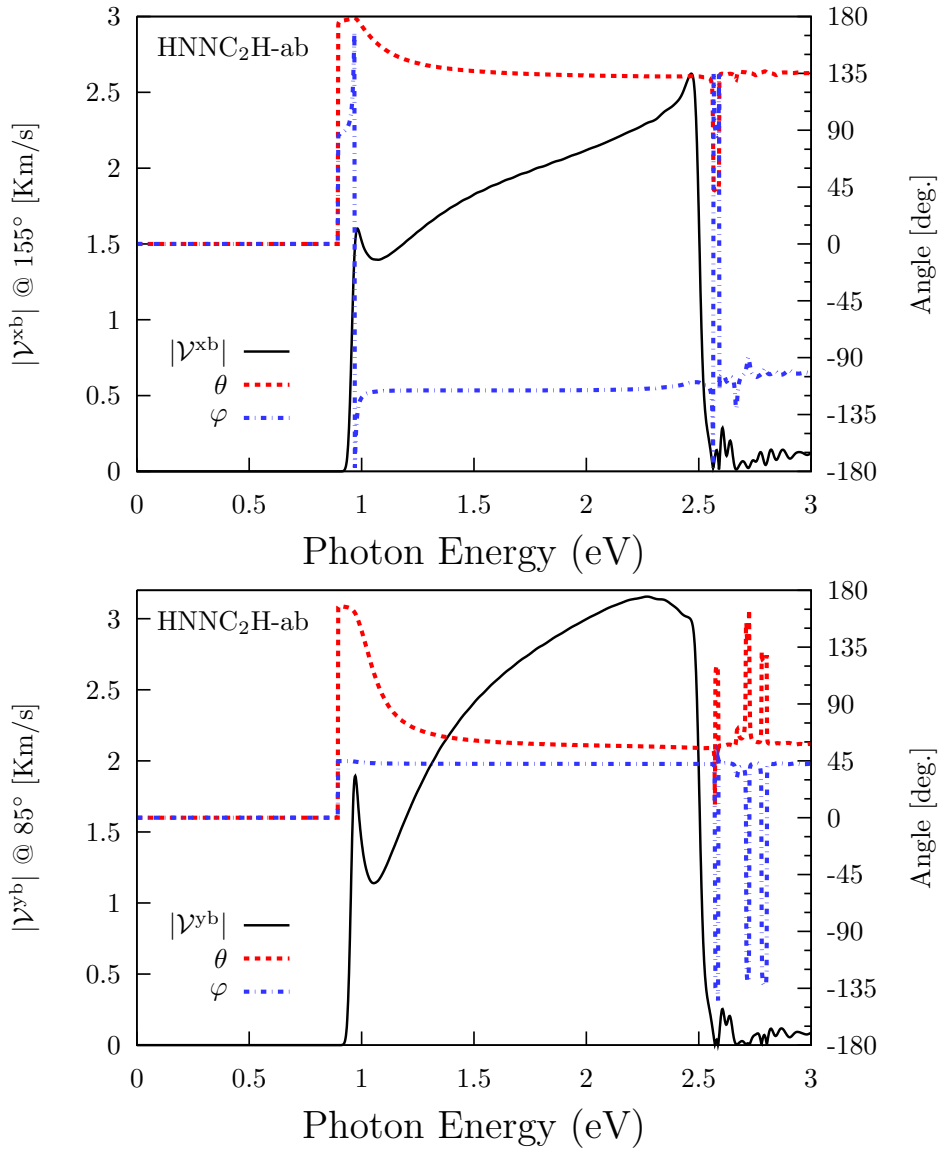

Figure 52: $|\mathcal{V}^{ab}|$ (solid line, leftside scale) and the corresponding angles θ and φ (dashed lines, rightside scale). `fig.ab.rtp`

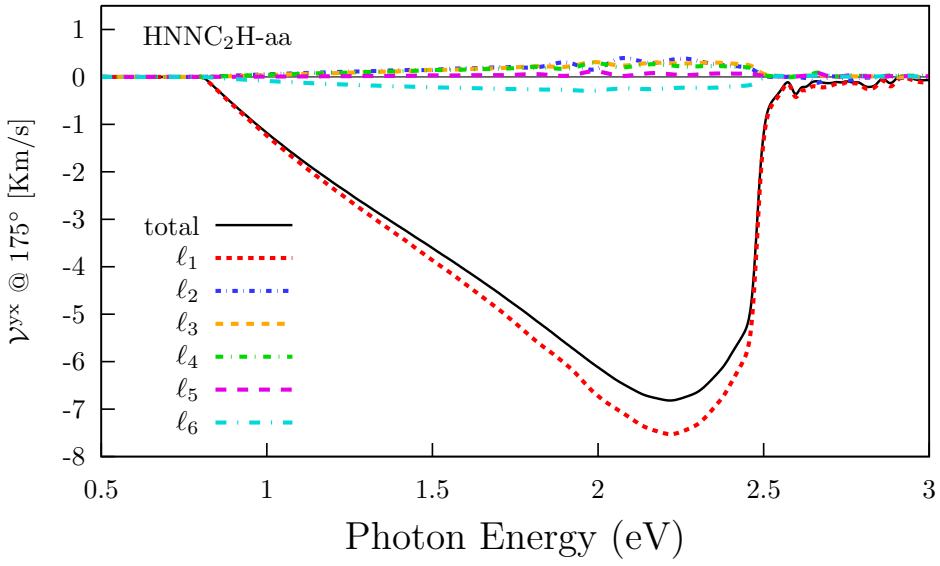

Figure 53: Layer decomposition for the most intense response: $\mathcal{V}^{yz}$. fig:aa-lay

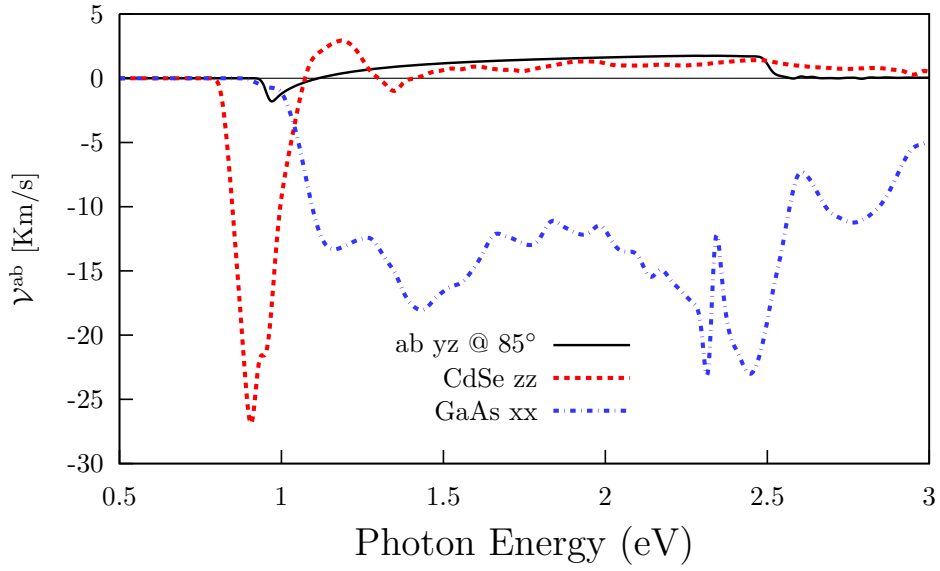

Figure 54: Comparisson of the most intense response vs the most intense responses of CdSe and GaAs. fig:ab-comp

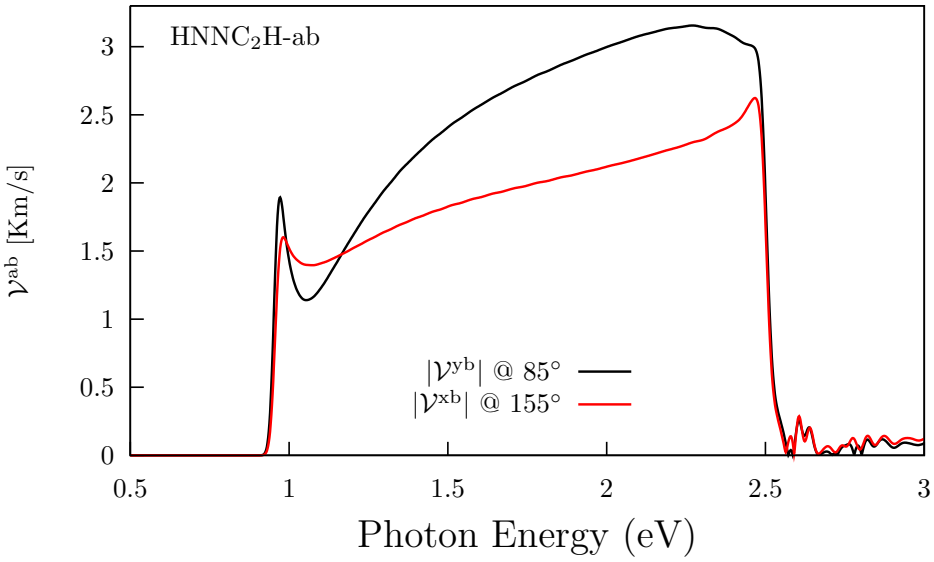

Figure 55: Comparisson of $|\mathcal{V}^{\mathrm{xb}}|$ and $|\mathcal{V}^{\mathrm{yb}}|$.

fig:ab-xbybcomp