$_{\mathrm{H_2O}}$	Experiment	DFT - PBE	Hartree-Fock	$\Delta$ -SCF (PBE)	$\Delta$ -SCF (HF)	$G_0 W_0$ @PBE	$G_0W_0$ @HF	$G_0W_0$ @PBE0
НОМО	12.615 eV							
НОМО-1	14.729 eV			***	***			
НОМО-2	18.550 eV			***	***			

## *Optional:* $C_2H_4$

$C_2H_4$	Experiment	DFT - PBE	Hartree-Fock	$\Delta$ -SCF (PBE)	$\Delta$ -SCF (HF)	$G_0 W_0$ @PBE	$G_0W_0$ @HF	$G_{\theta}W_{\theta}$ @PBE0
НОМО	10.68 eV							
НОМО-1	12.80 eV			***	***			
НОМО-2	14.80 eV			***	***			
номо-з	16.0 eV			***	***			