Dose	
Se (keV/μm)	4,0
ρ (g/cm3)	0,500
M (g/mol)	16,042
F (ion/cm2)	1,4E+16
dose (eV/molec)	**29,84**
dose (MGy)	**179,43**

Wavenumber / wavelength converter	
Wavenumber (cm-1)	4527
Wavelength (μm)	**2,21**

Initial Cross Section / G converter	
Se (keV/μm)	4908,0
ρ (g/cm3)	0,800
M (g/mol)	17,031
σ (cm2)	6,44E-14
G (molec/100 eV)	**3,71**

Thickness of the sample (l)	
N (molec/cm2)	1,48E+18
M (g/mol)	44,000
ρ (g/cm3)	0,870
l (μm)	**1,24**

Absorbance	20,664
A-value (cm/molec)	2,80E-17
N (molec/cm2)	**1,70E+18**
M (g/mol)	18,015
ρ (g/cm3)	0,800
l (μm)	**0,635**

Thickness from interference fringes (baseline sinusoidal pattern) (l)	
ν1 - ν2 (cm-1)	19,000
n	1,200
l (μm)	**219,30**

density converter	
ρ (g/cm3)	0,800
M (g/mol)	17,031
ρ (molec/μm3)	2,83E+10

Molar Masses	
CH4	16,042
NH3	17,031
H2O	18,015
CO	28,010
CH3OH	32,040

Rate of Adsorption	
sticking probability	1,0
pressure (mbar)	1,00E-06
molecule mass (kg)	2,99E-26
Temperature (K)	300
R (molec/cm2/s)	**3,58E+14**
Time (s)	10
Tot. Ads. (molec/cm2	**3,58E+15**

Beam Current / Flux converter	
Beam Current (nA/cm2)	30,0
Charge state	18
Flux (ion/cm2/s)	**1,04E+10**