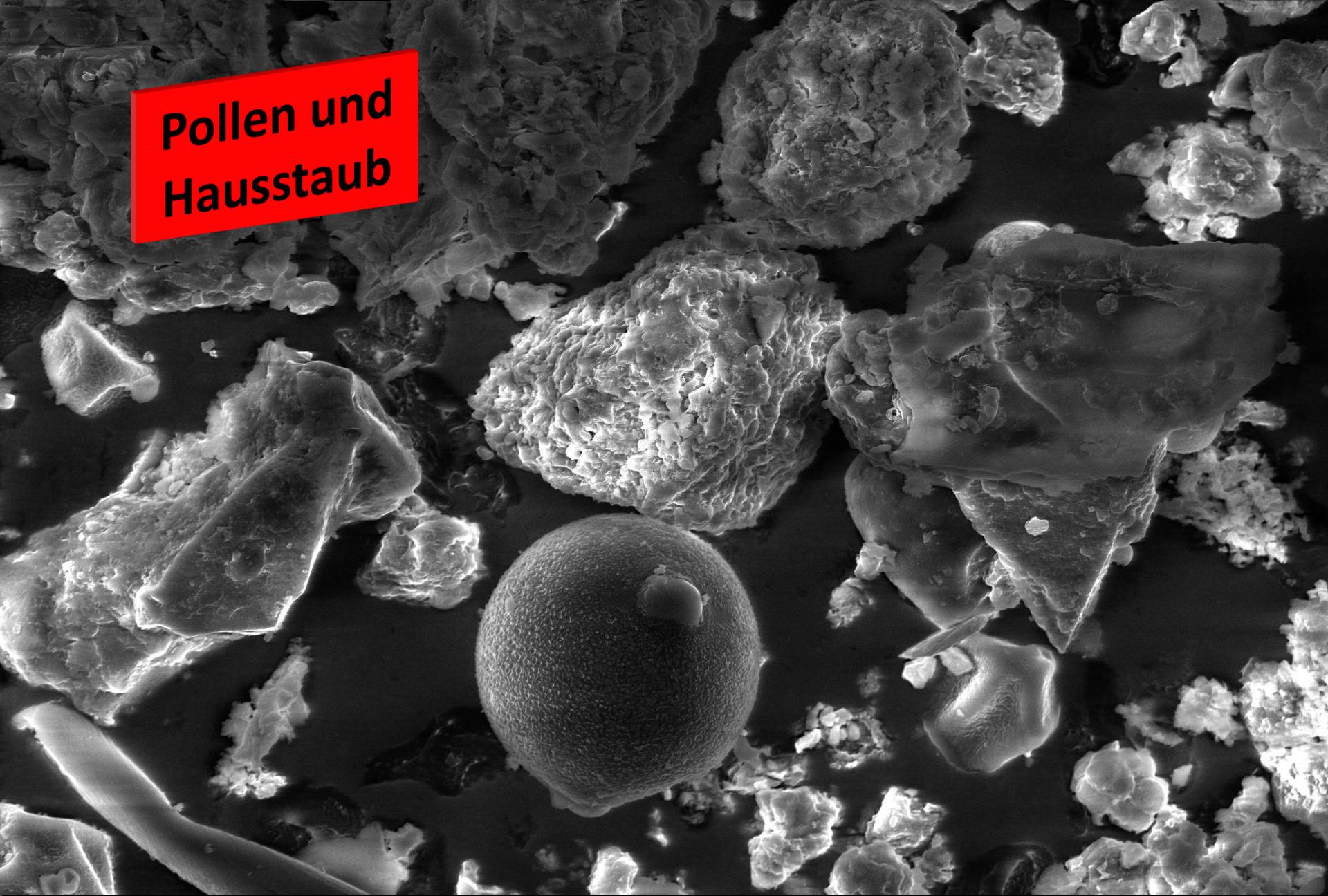


# Rasterelektronenmikroskopie



Pollen und  
Hausstaub

This scanning electron micrograph (SEM) displays a variety of particles, primarily pollen grains and house dust, against a dark background. The particles exhibit diverse morphologies, including spherical, elongated, and irregular shapes. Some particles are smooth, while others are highly textured or fractured. A prominent feature is a large, roughly spherical pollen grain in the center foreground, characterized by a fine, granular surface texture.

10 µm

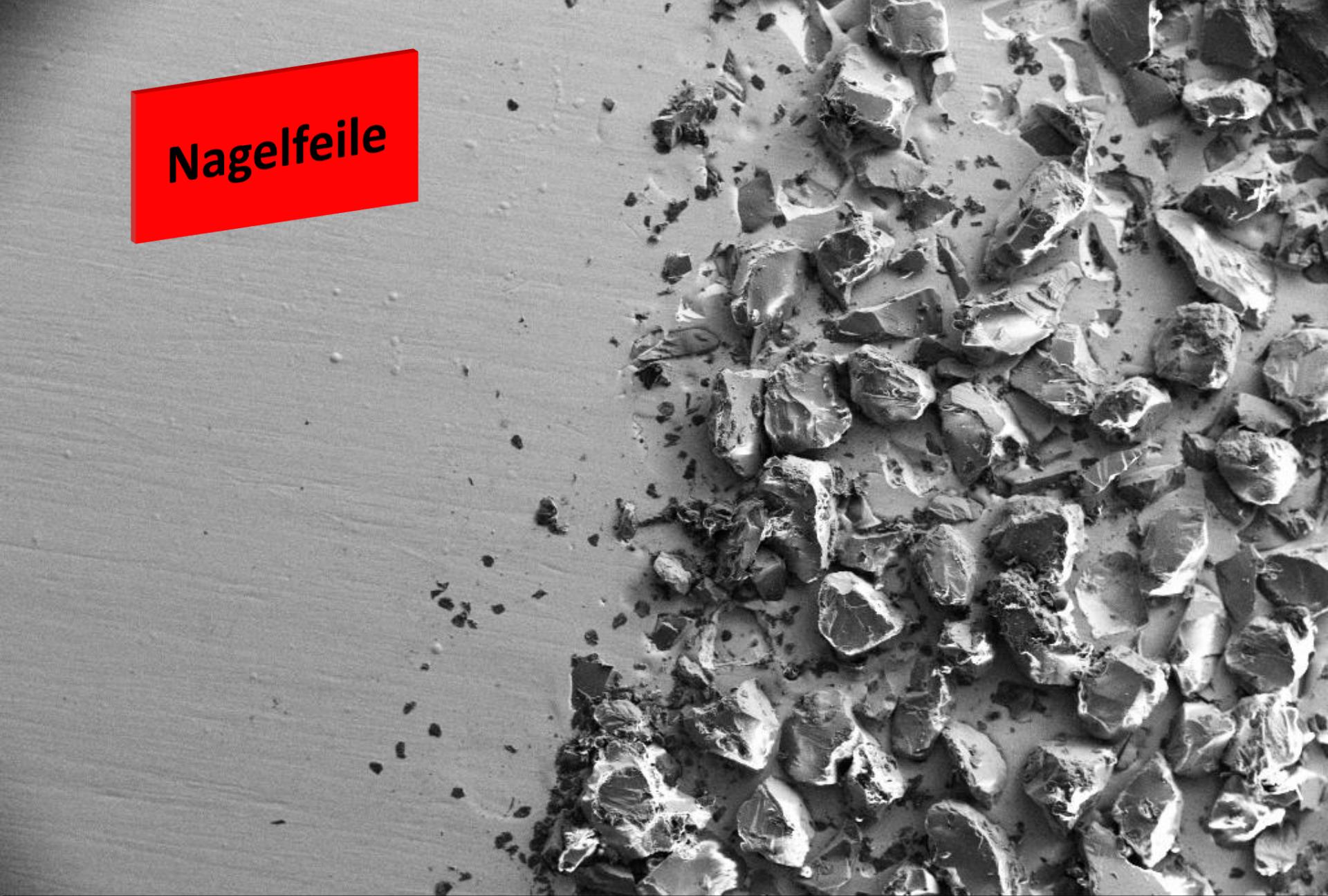
EHT = 20.00 kV  
WD = 9.6 mm

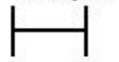
Mag = 1.50 K X  
Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim



# Nagelfeile



100 µm  


EHT = 10.00 kV  
WD = 4.2 mm

Mag = 115 X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim





Feder

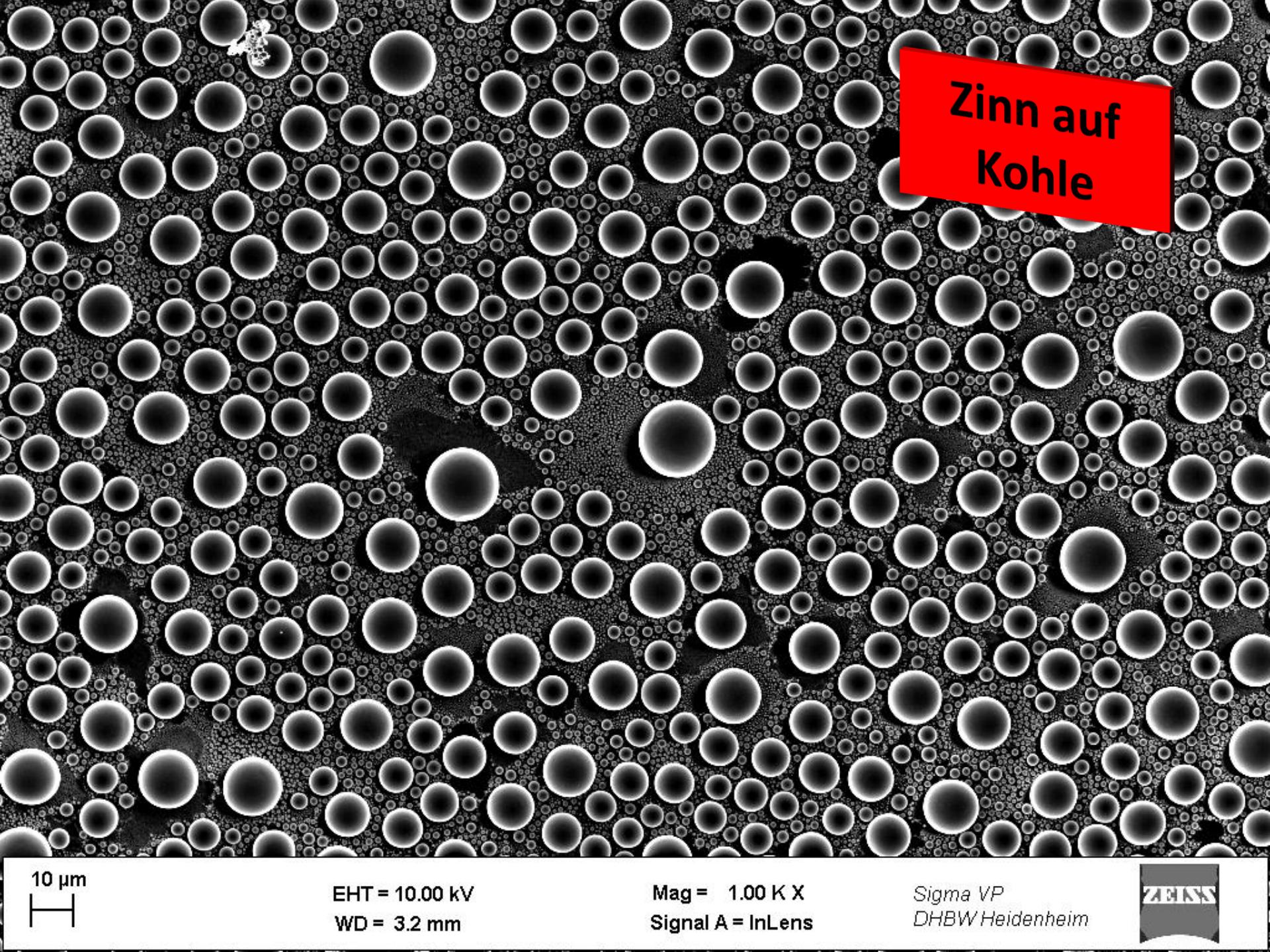
200 µm

EHT = 10.00 kV  
WD = 9.2 mm

Mag = 87 X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim



A scanning electron micrograph showing a dense, irregular distribution of numerous small, dark, circular particles of varying sizes. These particles appear to be tin droplets deposited onto a carbon substrate. A red rectangular box in the upper right corner contains the text "Zinn auf Kohle".

Zinn auf  
Kohle

10 µm  
H

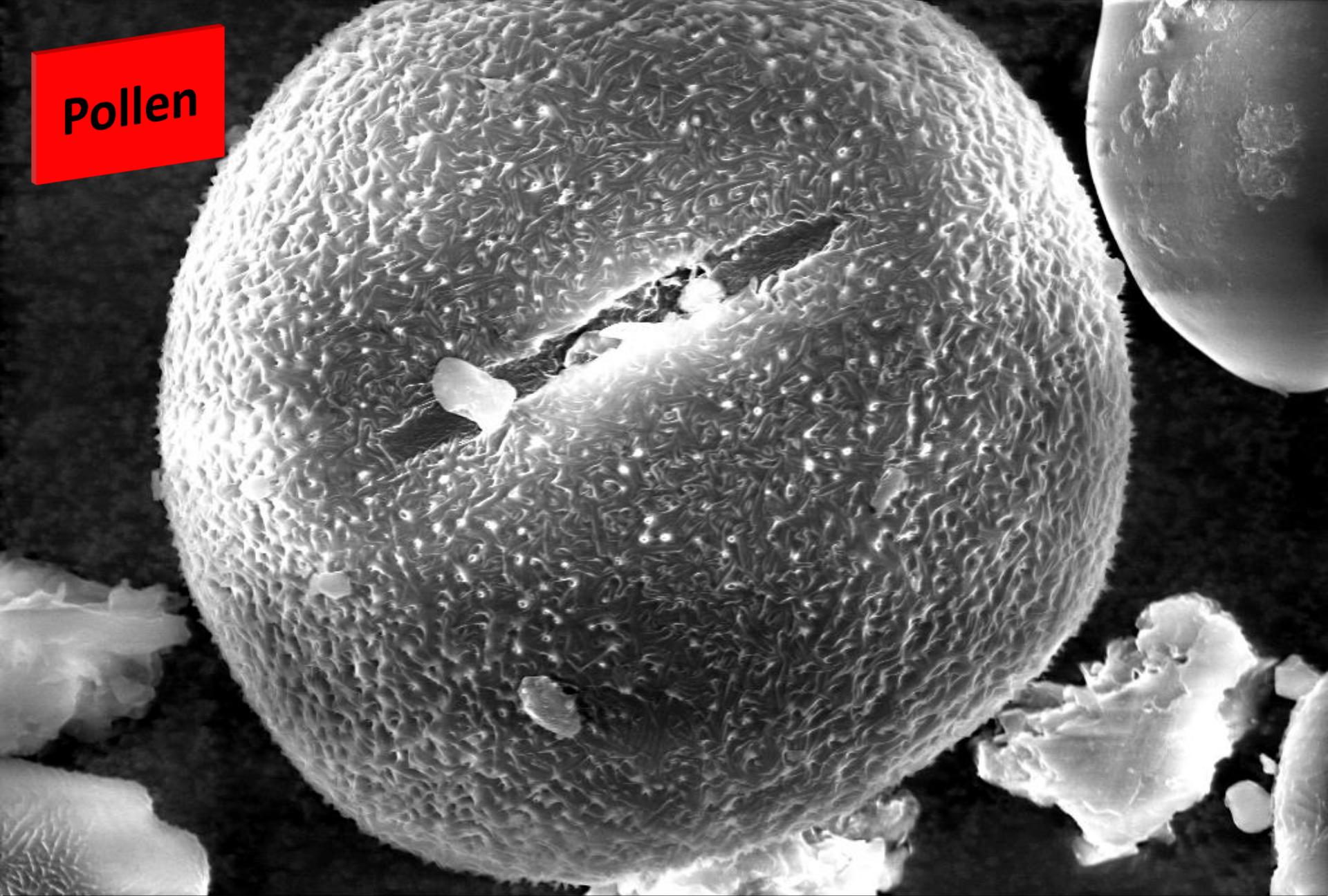
EHT = 10.00 kV  
WD = 3.2 mm

Mag = 1.00 K X  
Signal A = InLens

Sigma VP  
DHBW Heidenheim



Pollen



10 µm

EHT = 20.00 kV  
WD = 12.7 mm

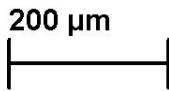
Mag = 5.00 K X  
Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim





Schraube



EHT = 10.00 kV  
WD = 10.0 mm

Mag = 124 X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim





Fliege

200 µm

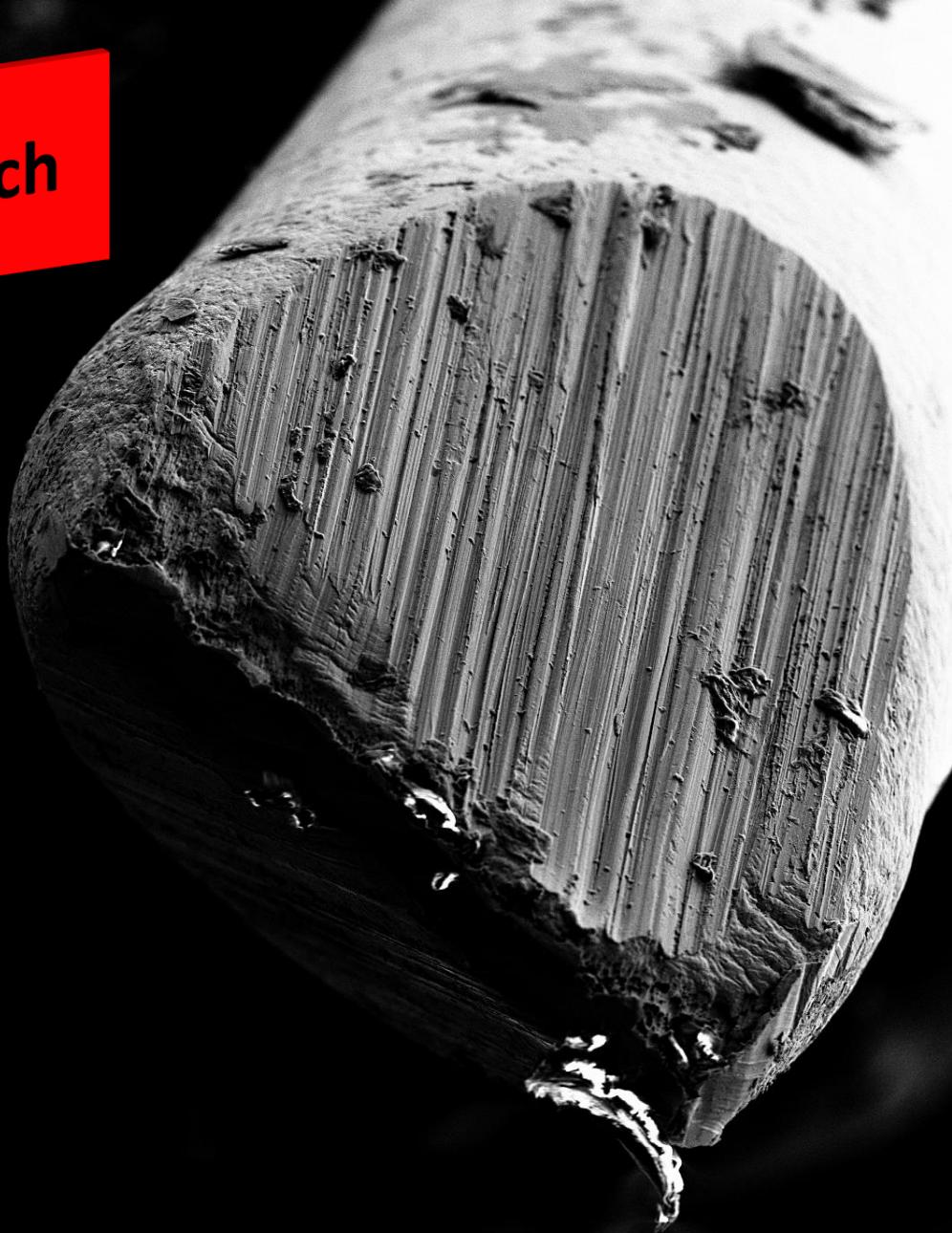
EHT = 20.00 kV  
WD = 17.3 mm

Mag = 107 X  
Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim



# Drahtbruch



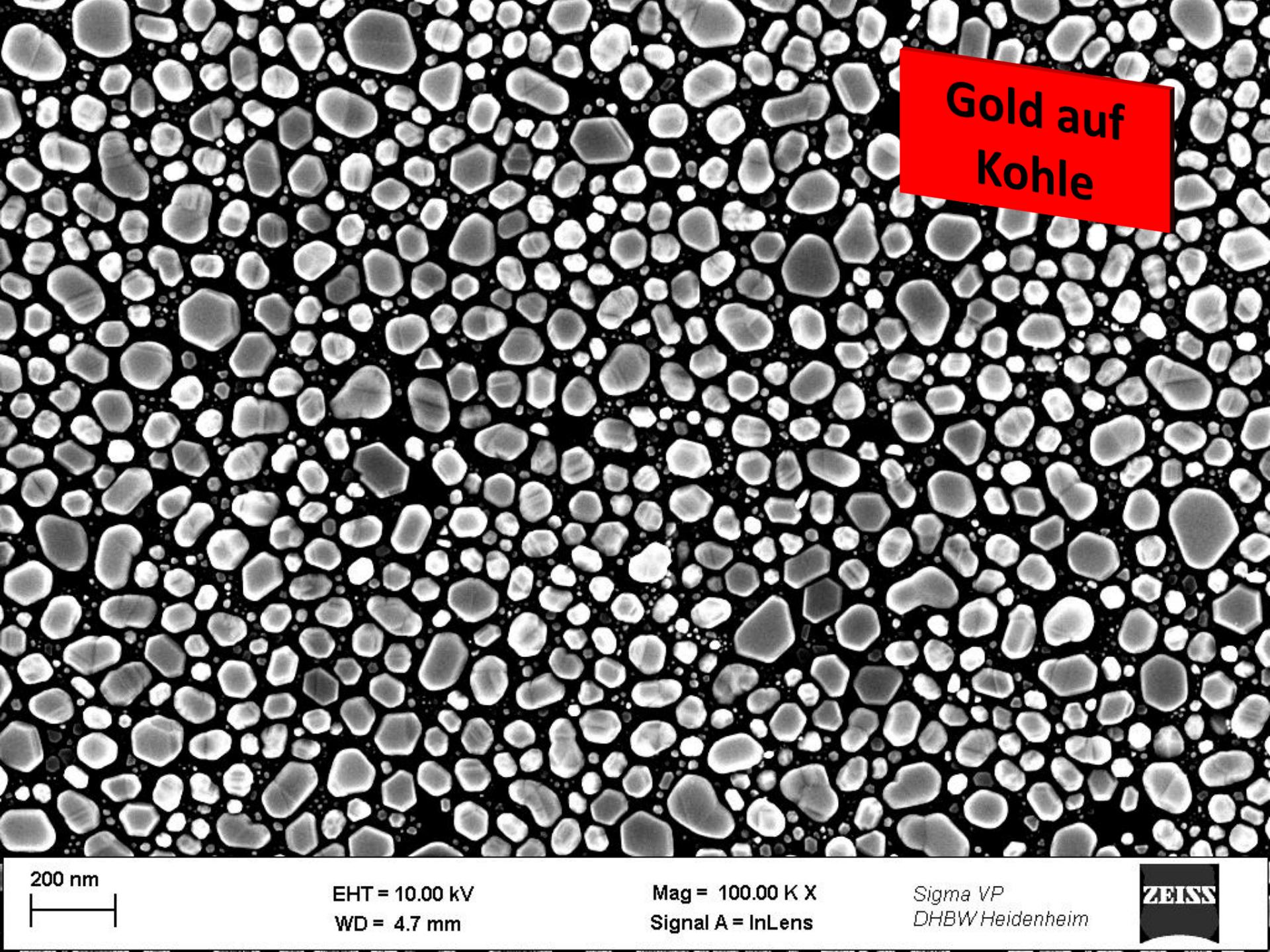
100 µm

EHT = 10.00 kV  
WD = 6.4 mm

Mag = 296 X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim





Gold auf  
Kohle

200 nm



EHT = 10.00 kV

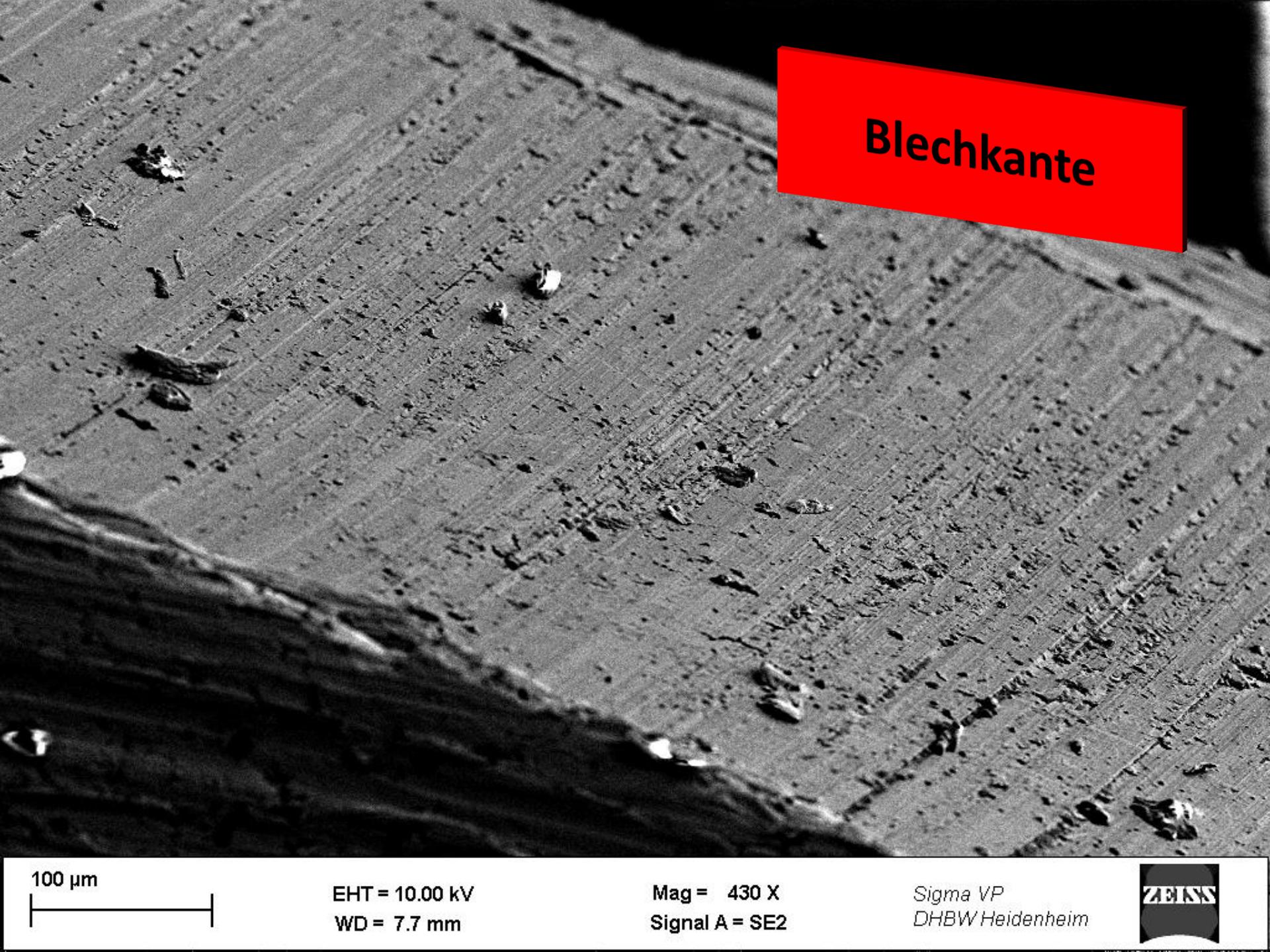
WD = 4.7 mm

Mag = 100.00 K X

Signal A = InLens

Sigma VP  
DHBW Heidenheim





Blechkante

100 µm

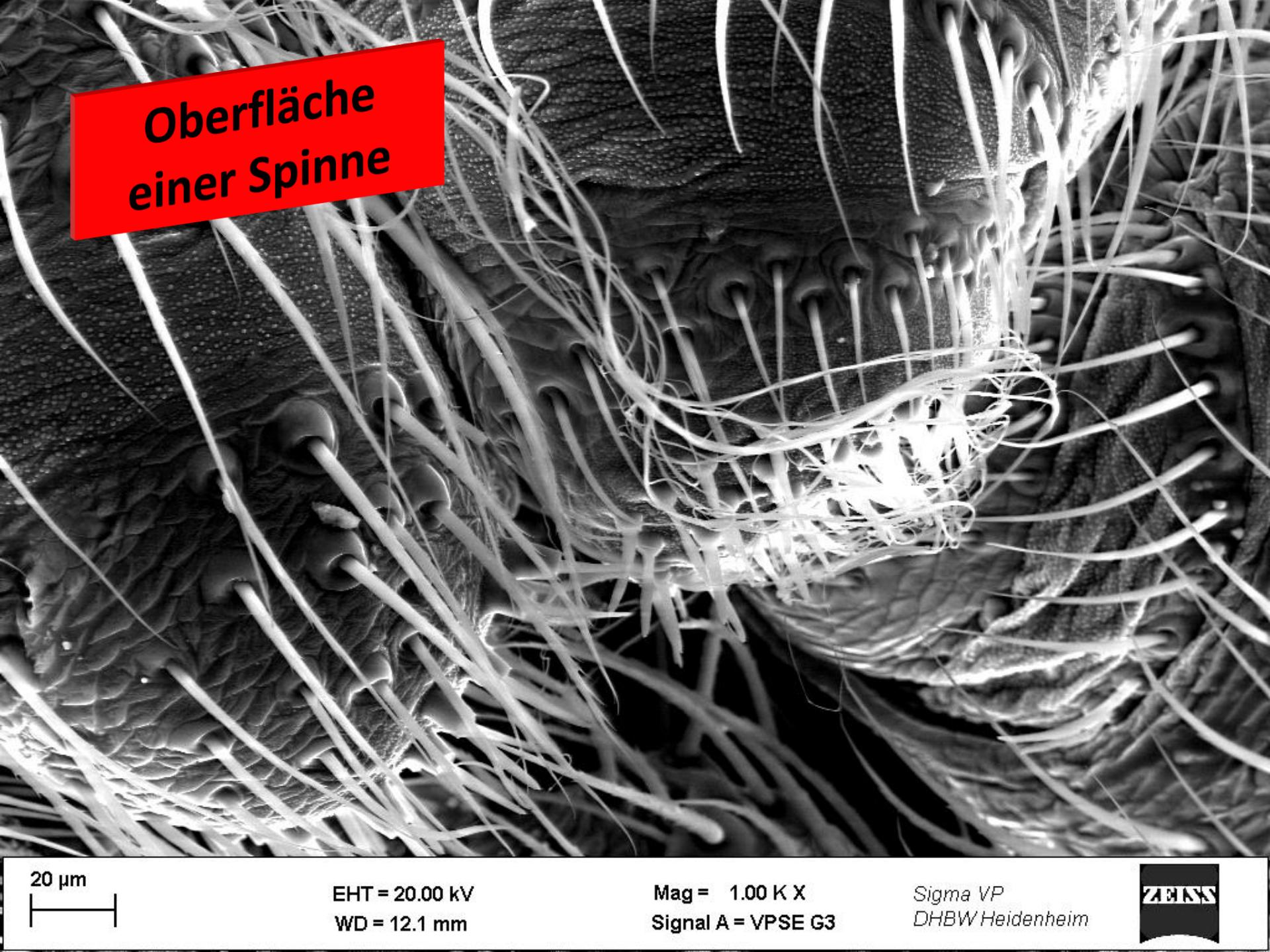


EHT = 10.00 kV  
WD = 7.7 mm

Mag = 430 X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim





# Oberfläche einer Spinne

20 µm

EHT = 20.00 kV  
WD = 12.1 mm

Mag = 1.00 K X  
Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim



# Metallkugeln eines Pneumatik- Schalldämpfers

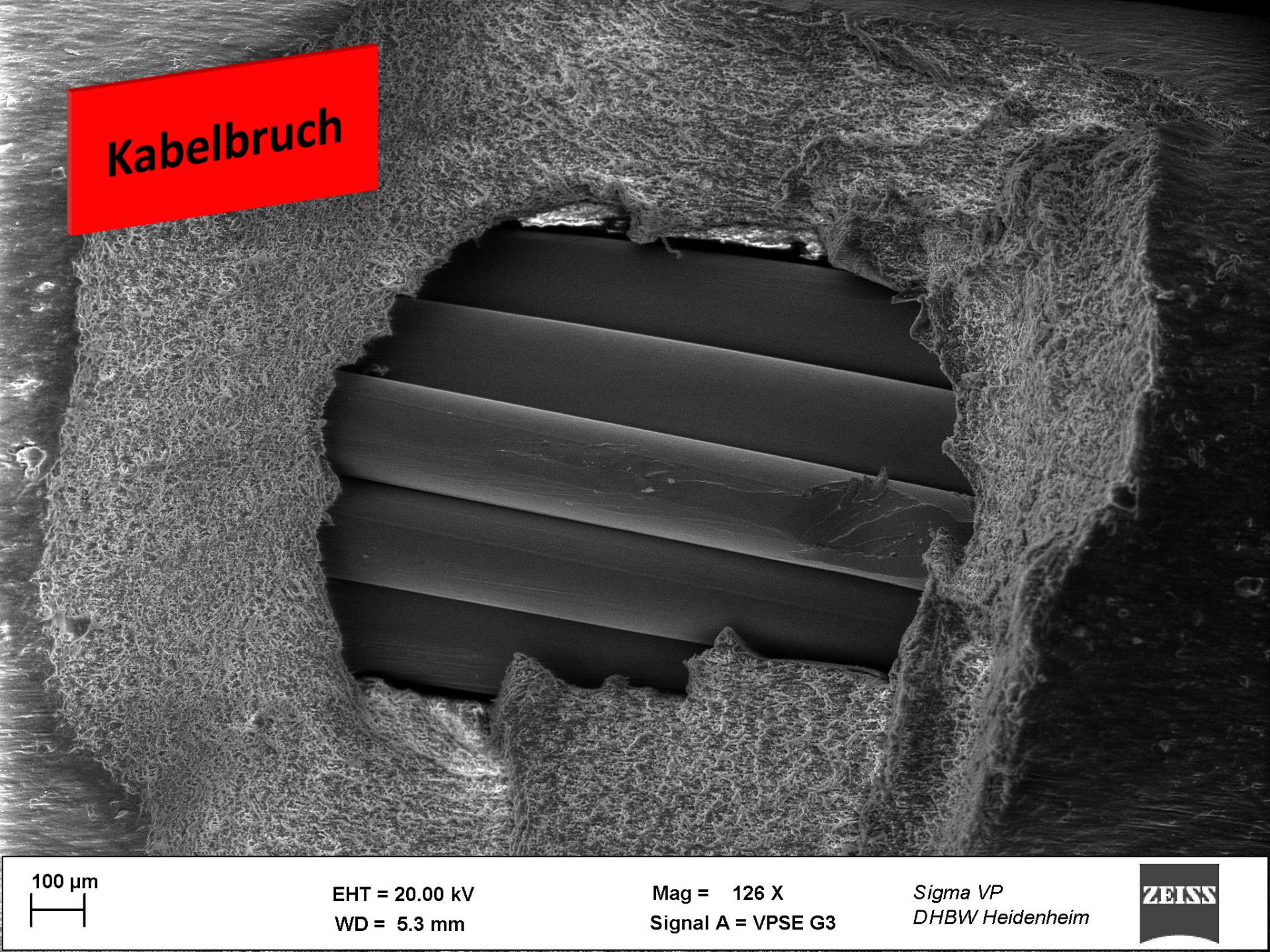
100 µm  
H

EHT = 10.00 kV  
WD = 5.5 mm

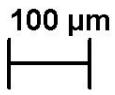
Mag = 118 X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim





# Kabelbruch



100 µm

EHT = 20.00 kV

WD = 5.3 mm

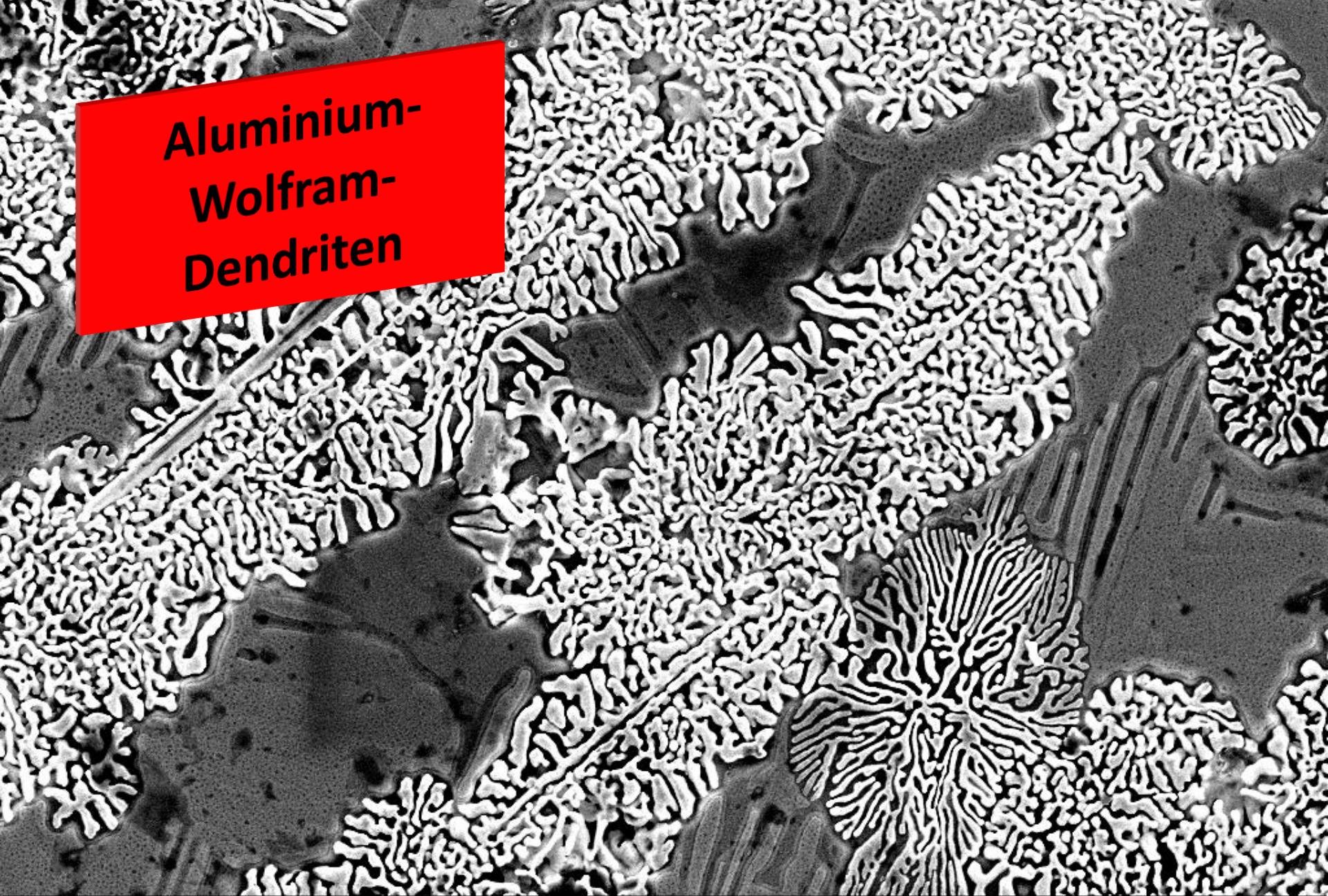
Mag = 126 X

Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim



# Aluminium-Wolfram-Dendriten



2 μm

EHT = 10.00 kV  
WD = 7.2 mm

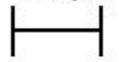
Mag = 10.00 K X  
Signal A = InLens

Sigma VP  
DHBW Heidenheim



**Fliege**



200 µm  


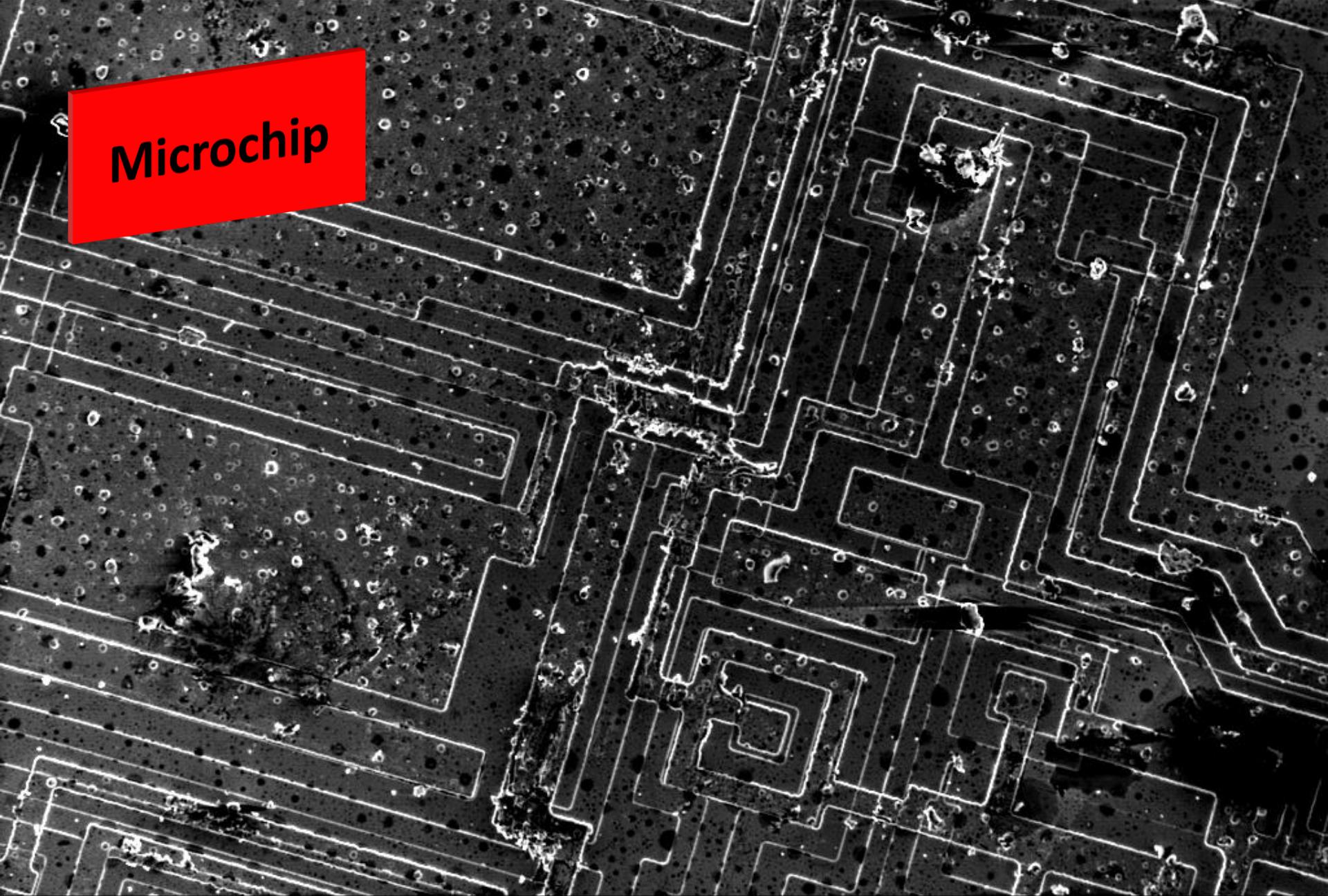
EHT = 20.00 kV  
WD = 16.1 mm

Mag = 69 X  
Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim



# Microchip



20  $\mu\text{m}$   
A scale bar icon consisting of a horizontal line with a vertical tick mark at its left end.

EHT = 10.01 kV  
WD = 4.5 mm

Mag = 765 X  
Signal A = InLens

Sigma VP  
DHBW Heidenheim



# Oberfläche von Lötzinn



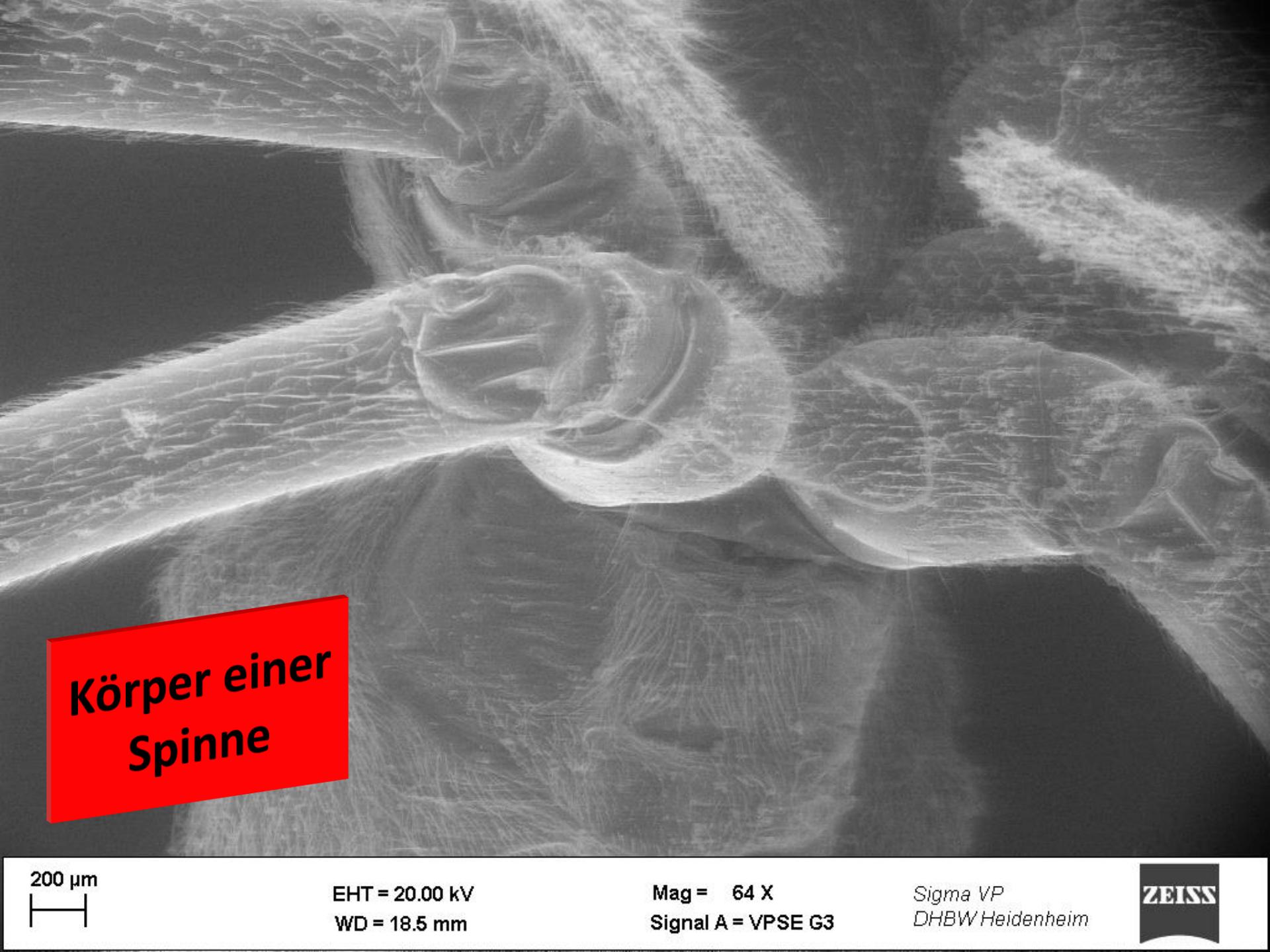
20 µm

EHT = 10.00 kV  
WD = 5.6 mm

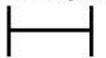
Mag = 1.00 K X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim





# Körper einer Spinne

200 µm  


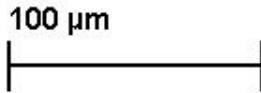
EHT = 20.00 kV  
WD = 18.5 mm

Mag = 64 X  
Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim



gesäge  
Kante



EHT = 10.00 kV  
WD = 8.6 mm

Mag = 396 X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim



# Korrosion auf Metallblech



100 µm



EHT = 10.00 kV

WD = 8.1 mm

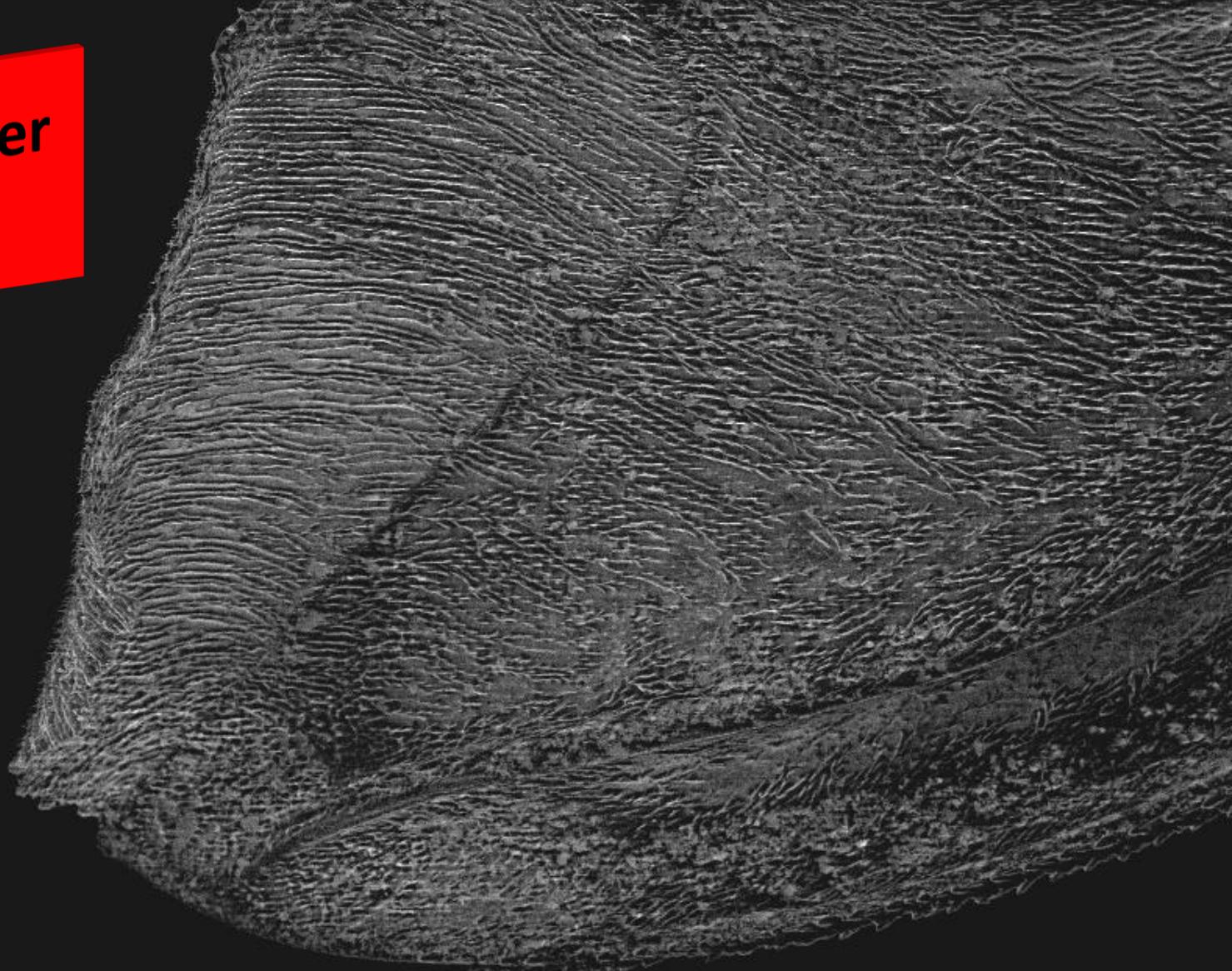
Mag = 400 X

Signal A = SE2

Sigma VP  
DHBW Heidenheim



# Flügel einer Fliege



200 µm

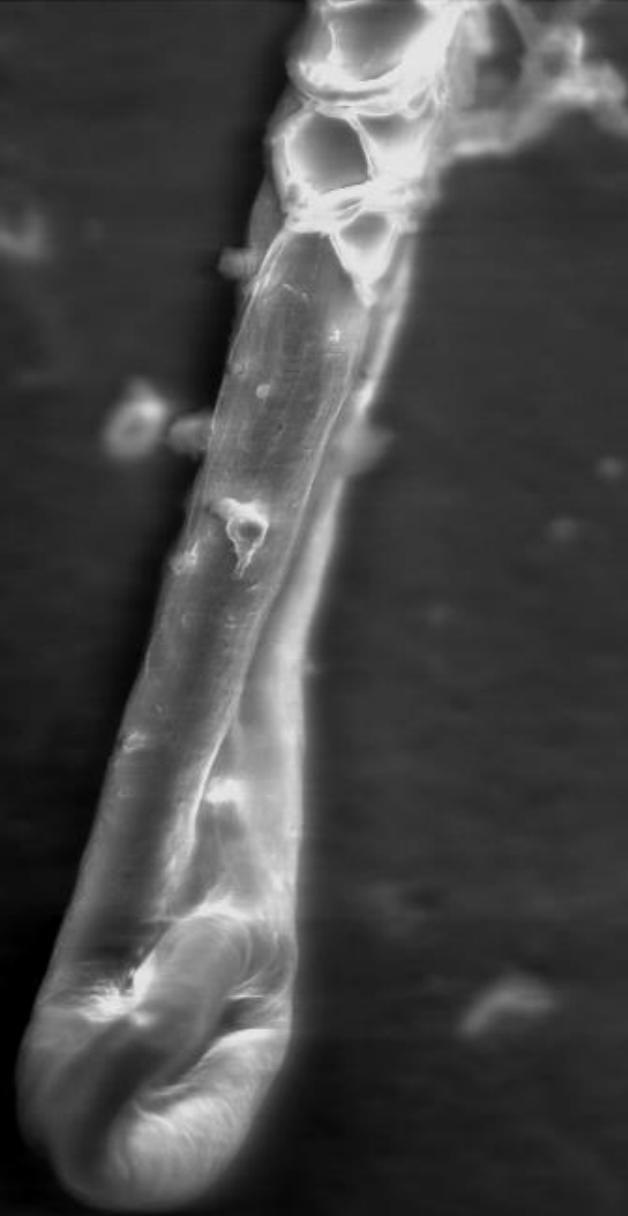
EHT = 20.00 kV  
WD = 16.1 mm

Mag = 100 X  
Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim



# Menschliches Haar



100 µm

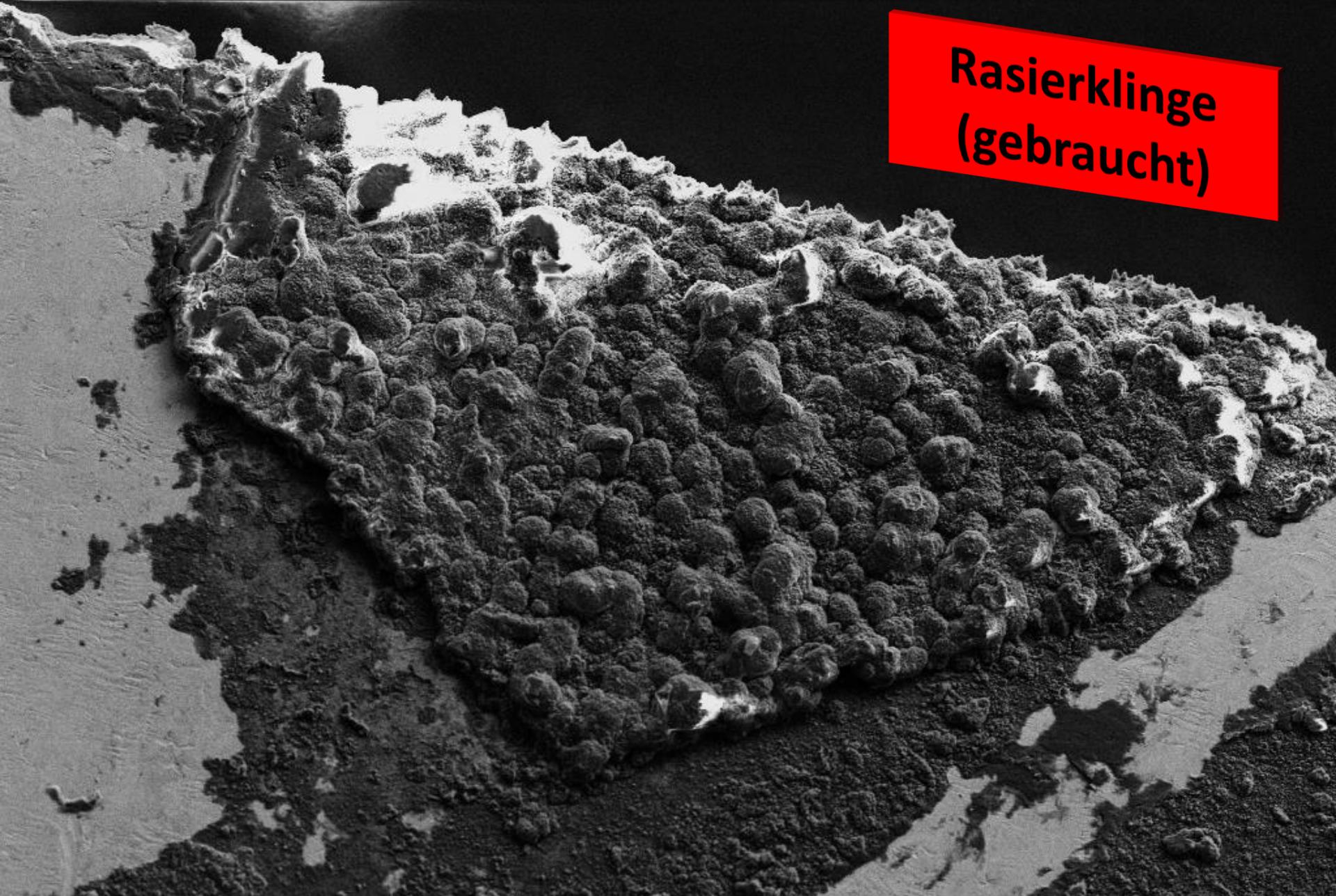
EHT = 20.00 kV  
WD = 7.7 mm

Mag = 500 X  
Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim



Rasierklinge  
(gebraucht)



100 µm

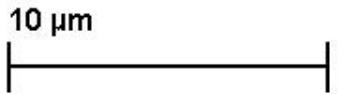
EHT = 10.00 kV  
WD = 4.8 mm

Mag = 248 X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim



Rasierklinge  
(neu)



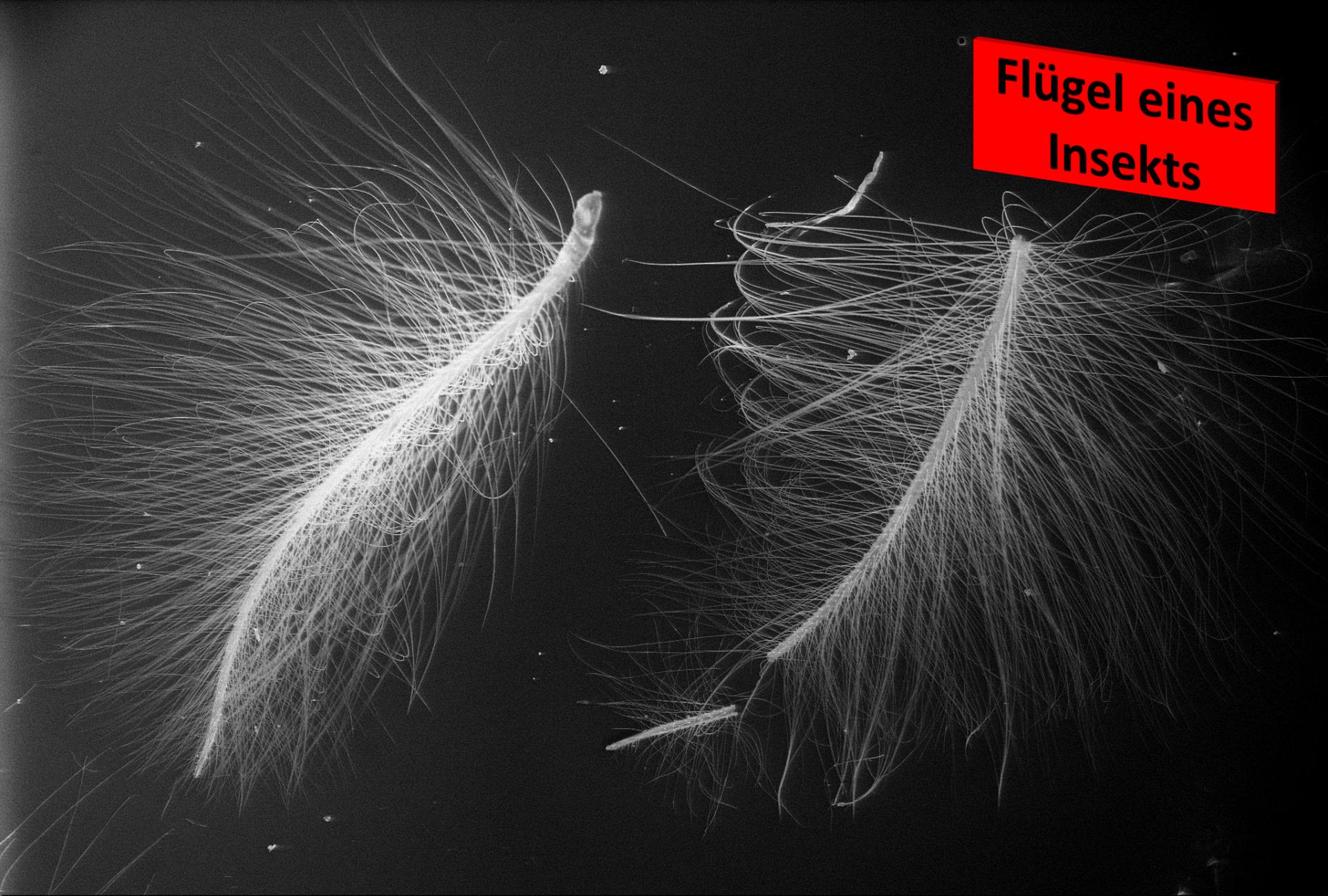
EHT = 10.00 kV  
WD = 4.1 mm

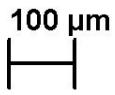
Mag = 5.00 K X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim



# Flügel eines Insekts



100 µm  


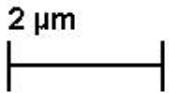
EHT = 20.00 kV  
WD = 8.3 mm

Mag = 103 X  
Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim



Silizium-Wafer



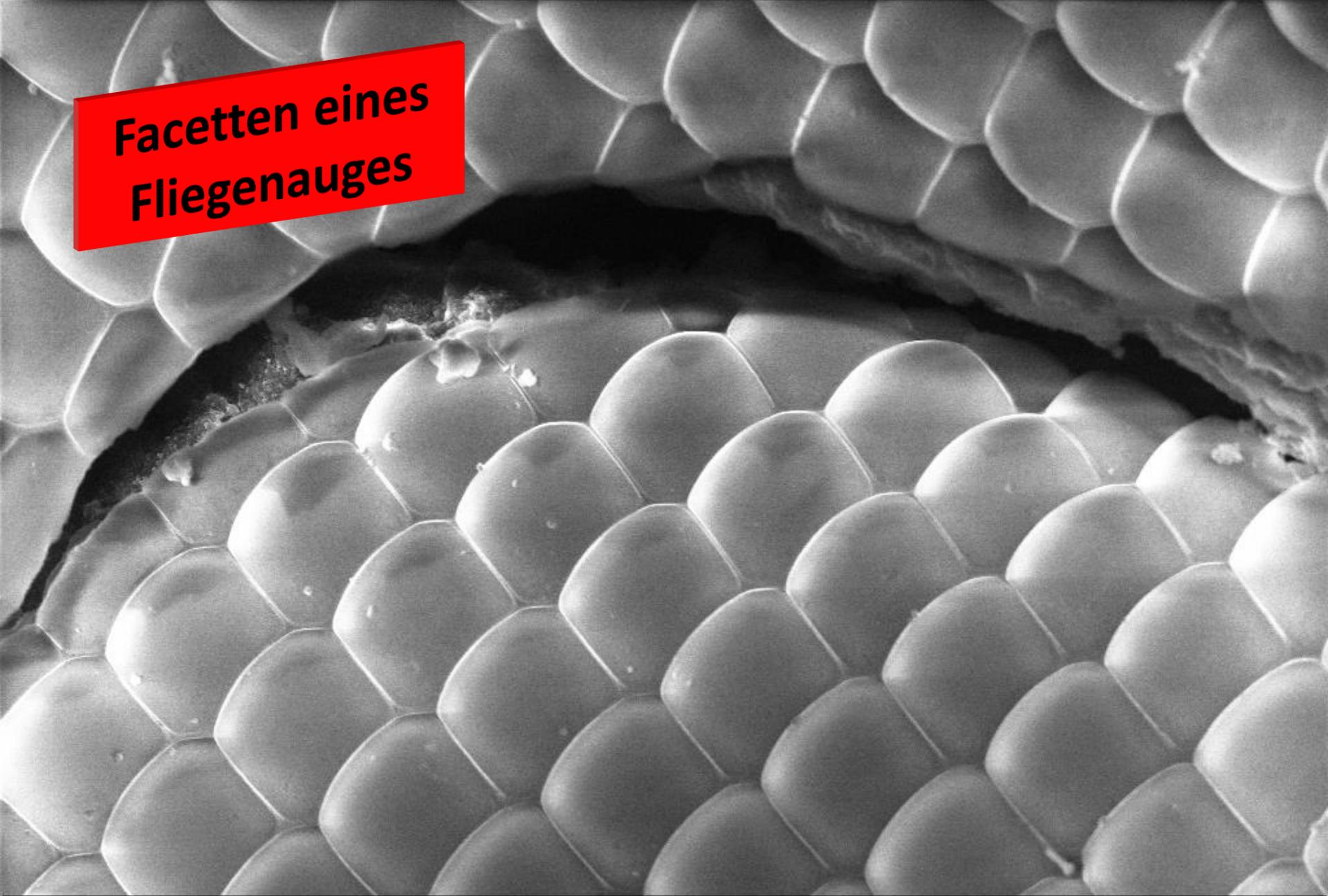
EHT = 10.00 kV  
WD = 4.4 mm

Mag = 12.00 K X  
Signal A = InLens

Sigma VP  
DHBW Heidenheim



# Facetten eines Fliegenauges



10 µm

EHT = 20.00 kV  
WD = 16.7 mm

Mag = 1.95 K X  
Signal A = VPSE G3

Sigma VP  
DHBW Heidenheim



**1µm Standard**



EHT = 10.00 kV  
WD = 5.4 mm

Mag = 10.00 K X  
Signal A = SE2

Sigma VP  
DHBW Heidenheim

