

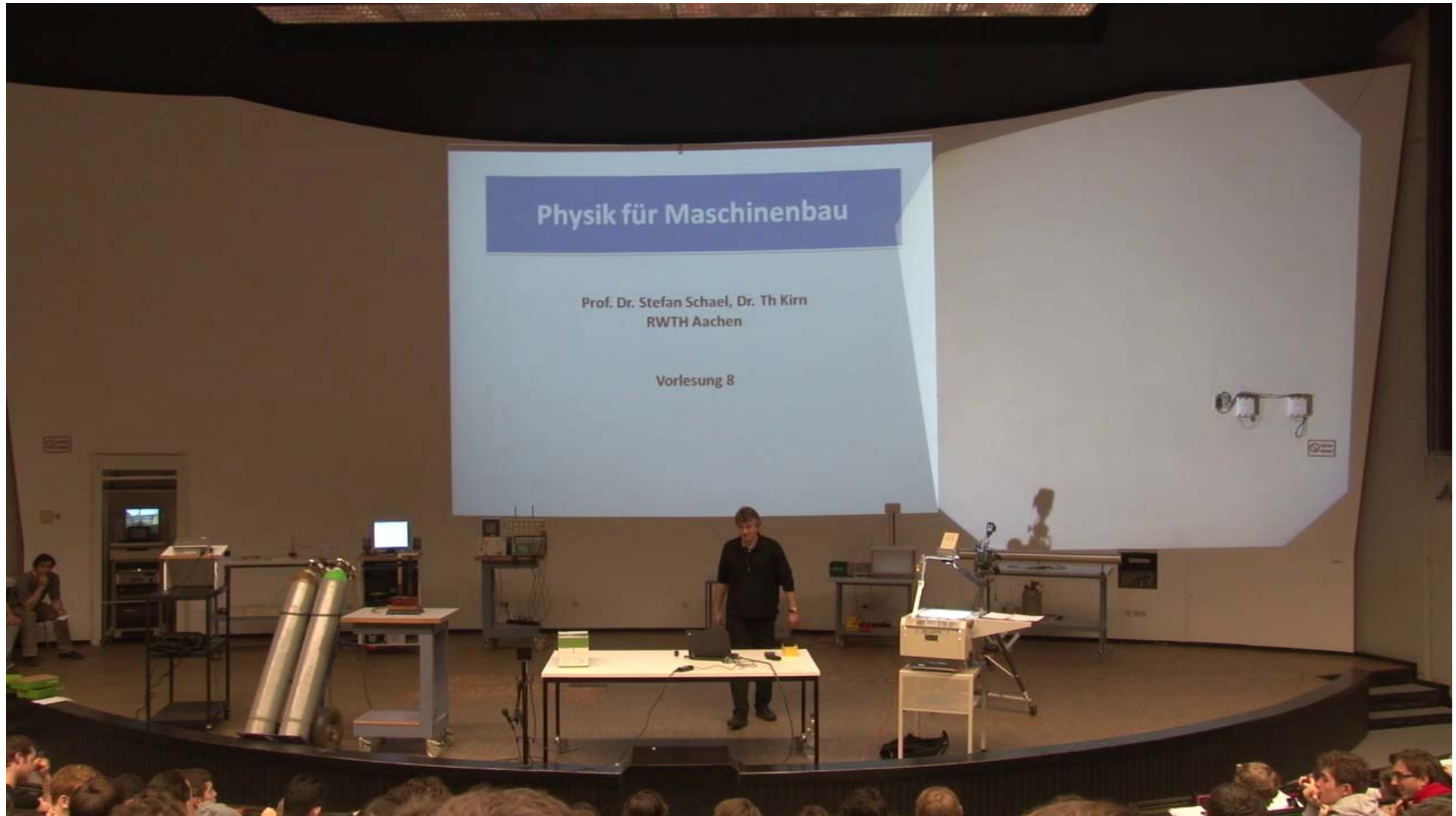
# Versuche zur Vorlesung Physik für Maschinenbau

## Vorlesung 8

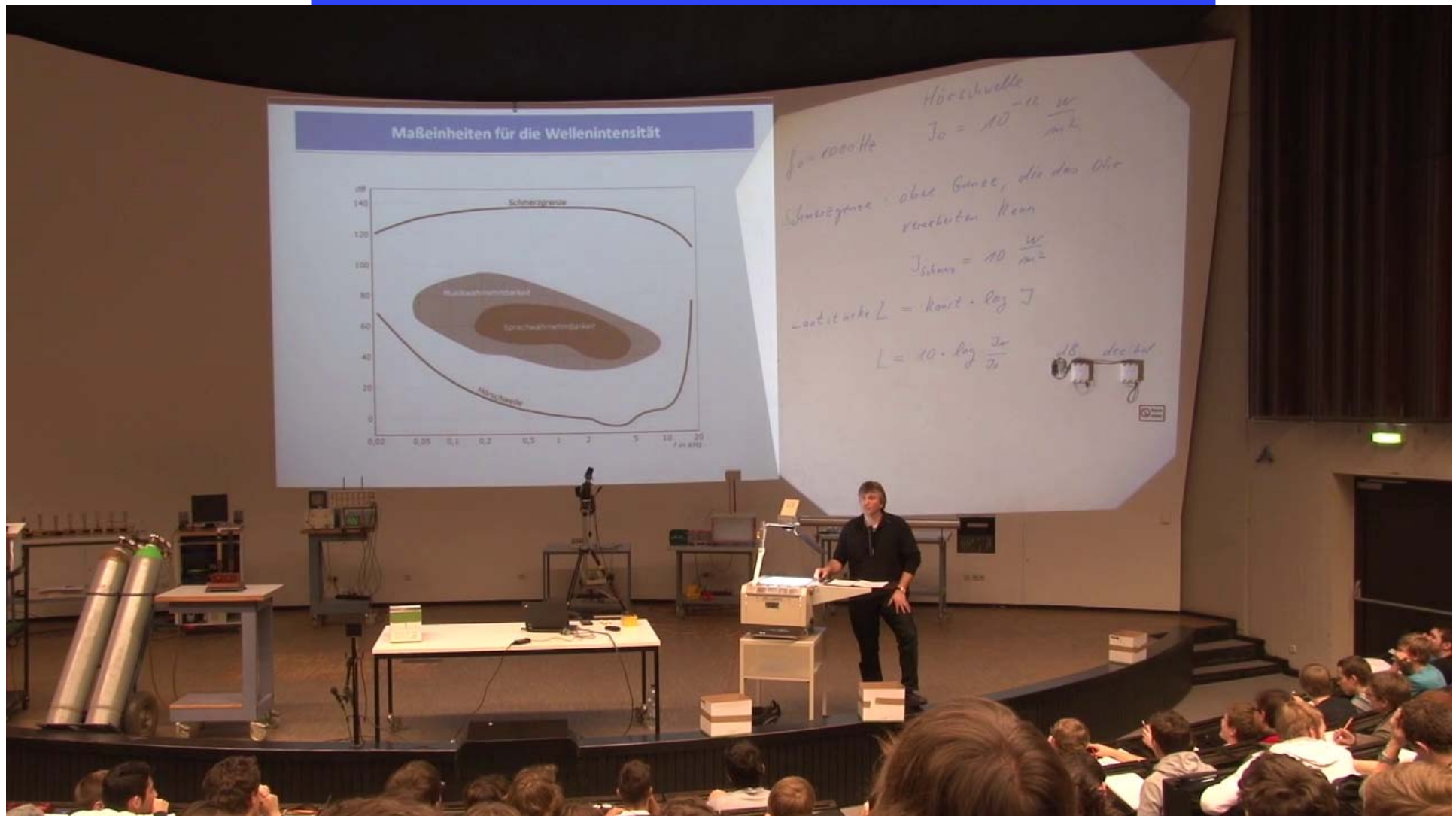
**Dr. Thomas Kirn**



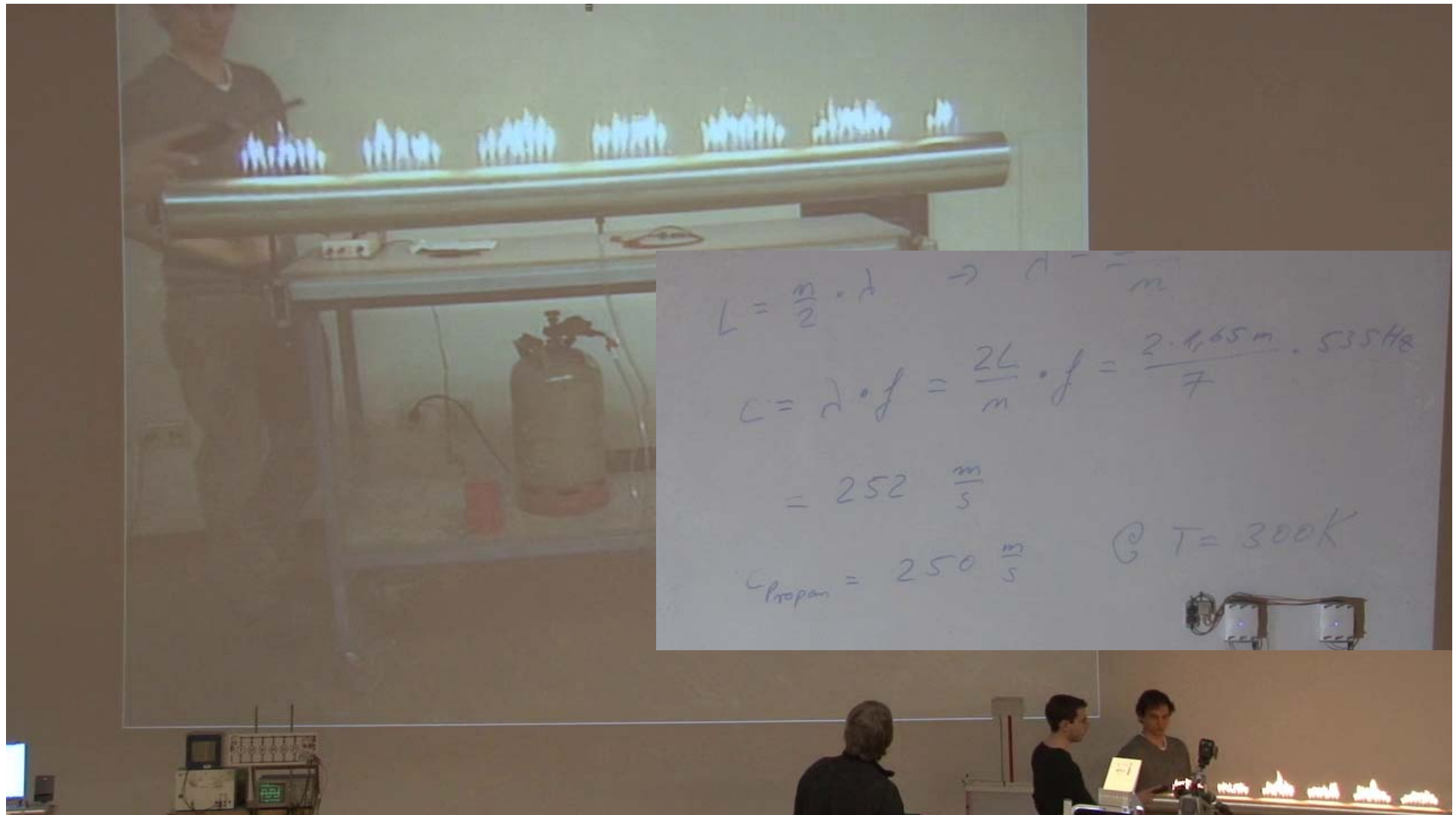
# Übersicht Aufbau Bühne Fo1



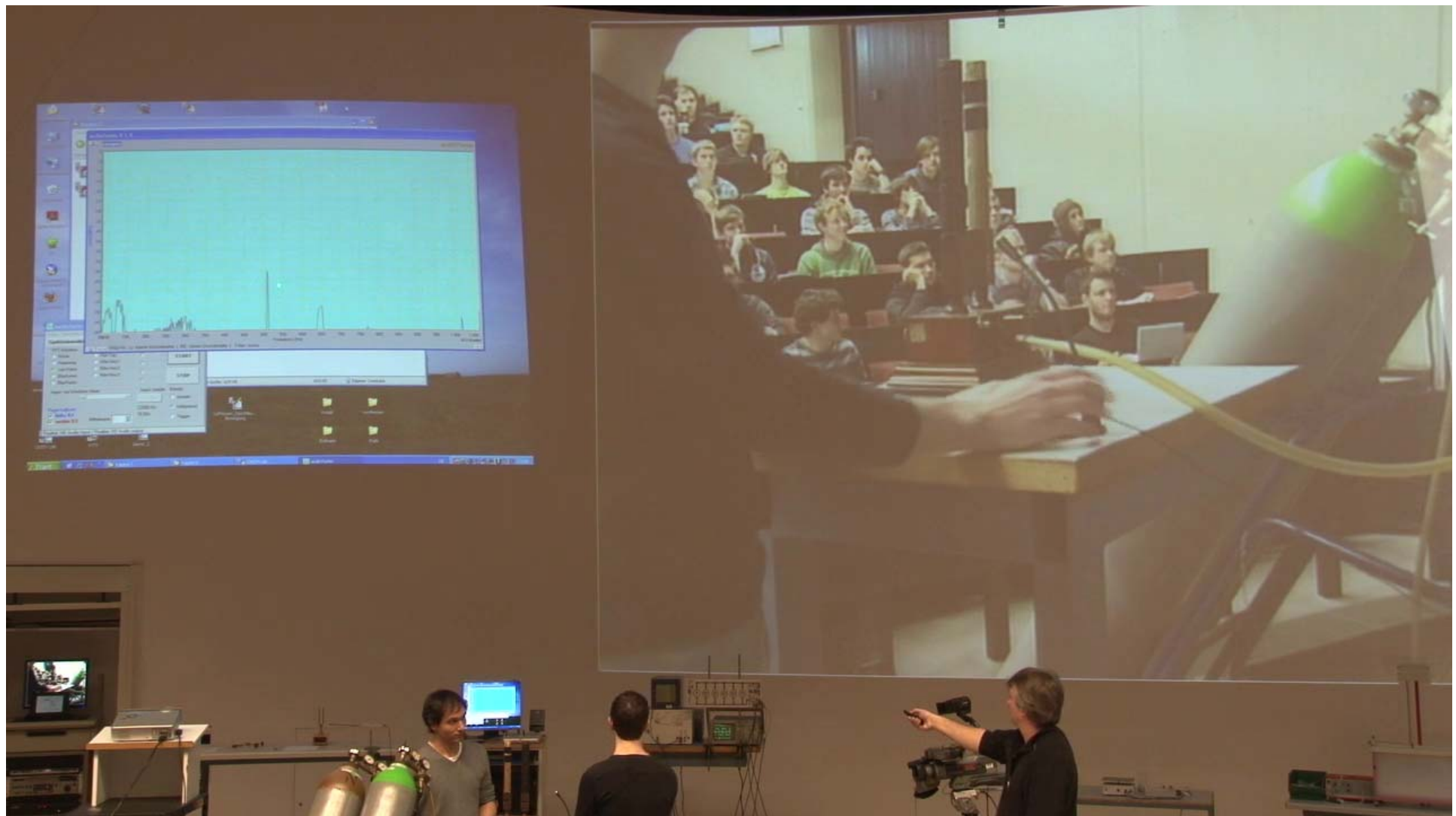
# Übersicht Aufbau Bühne Fo1



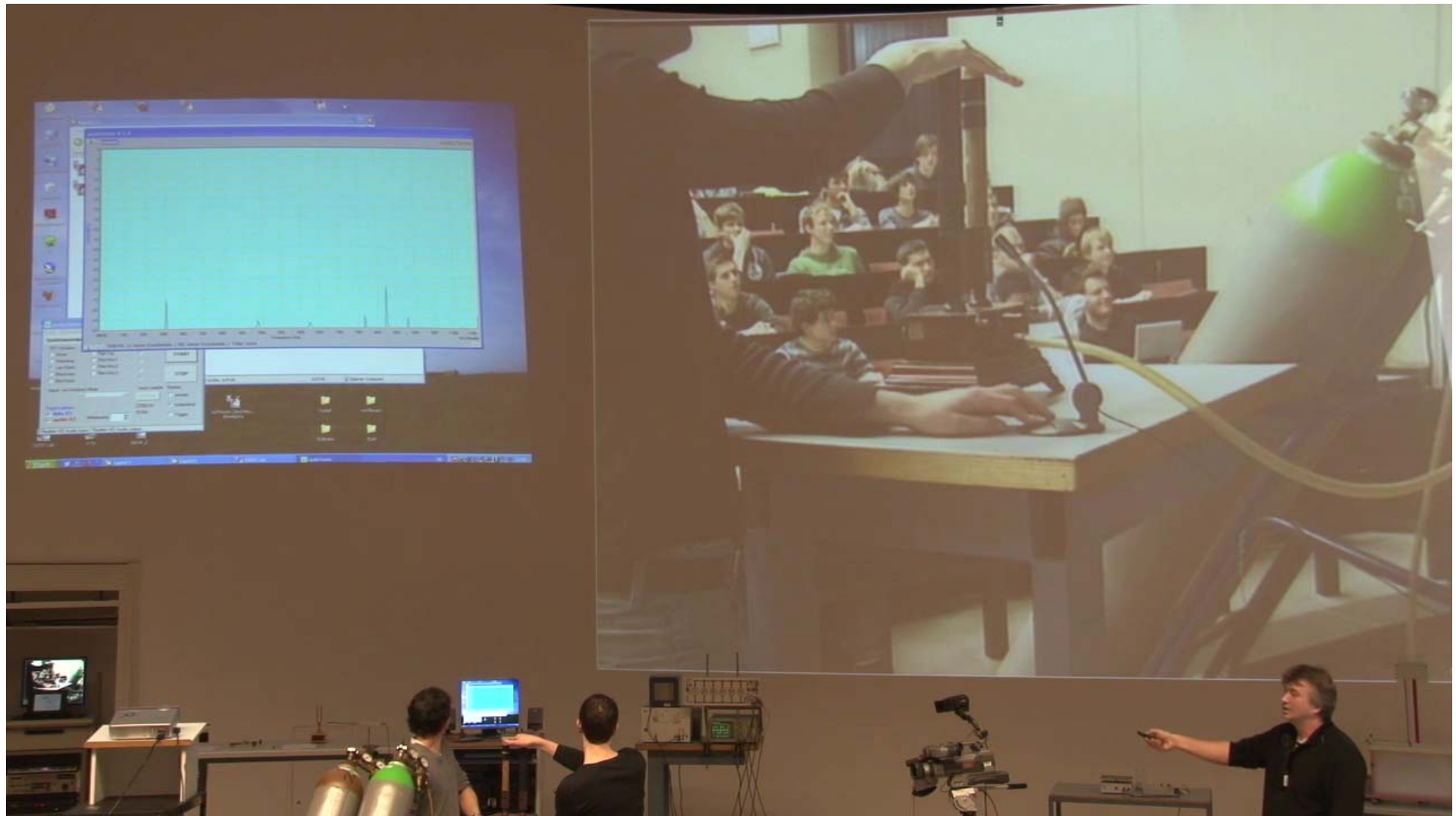
# Wiederholung Wellenlehre: Rubens'sches Flammenrohr



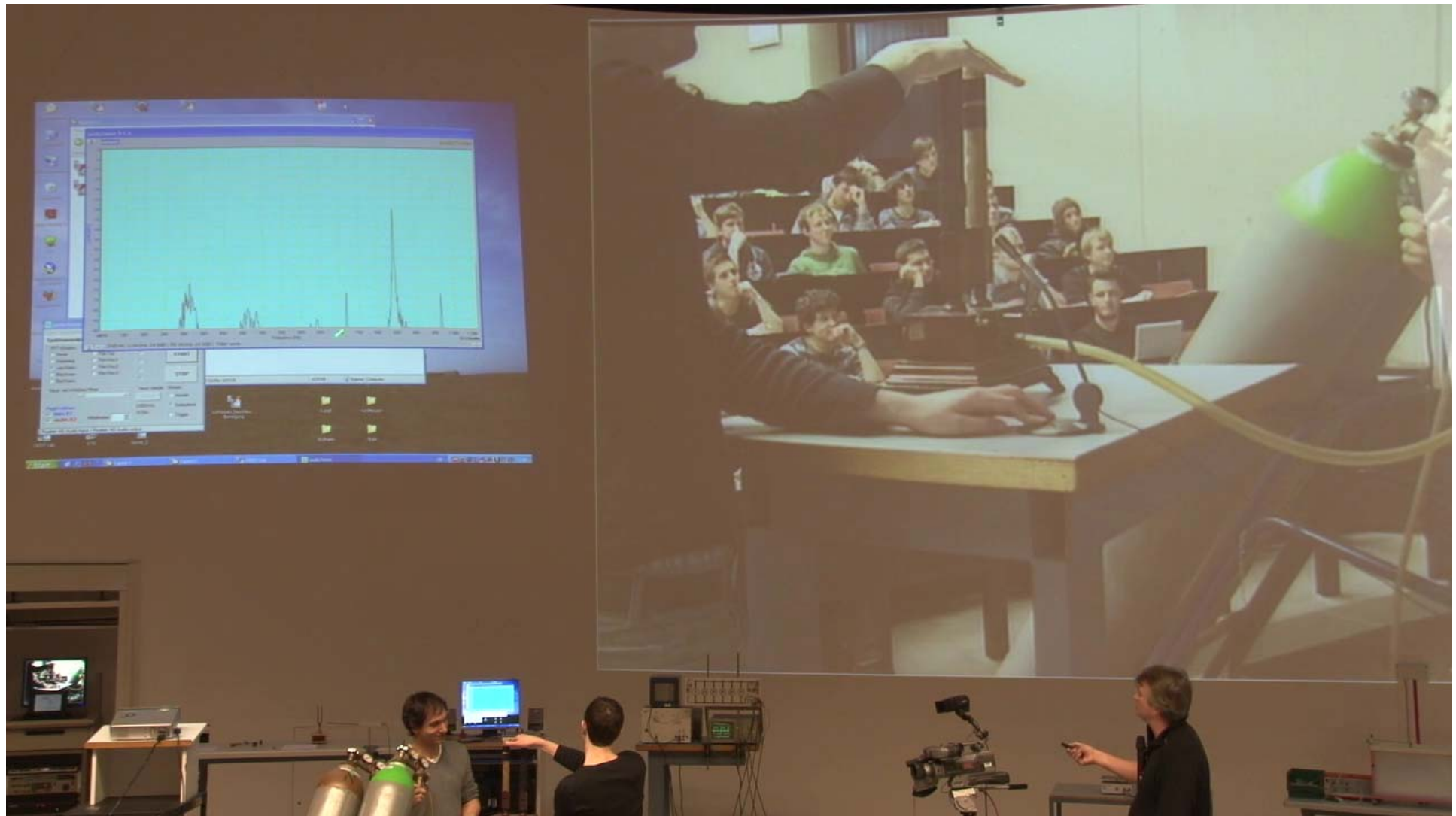
# Wellenlehre: Orgelpfeife, stehende Welle, beidseitig offen



# Wellenlehre: Orgelpfeife, stehende Welle, einseitig offen



# Wellenlehre: Orgelpfeife, stehende Welle, einseitig offen, erhöhter Gasfluss

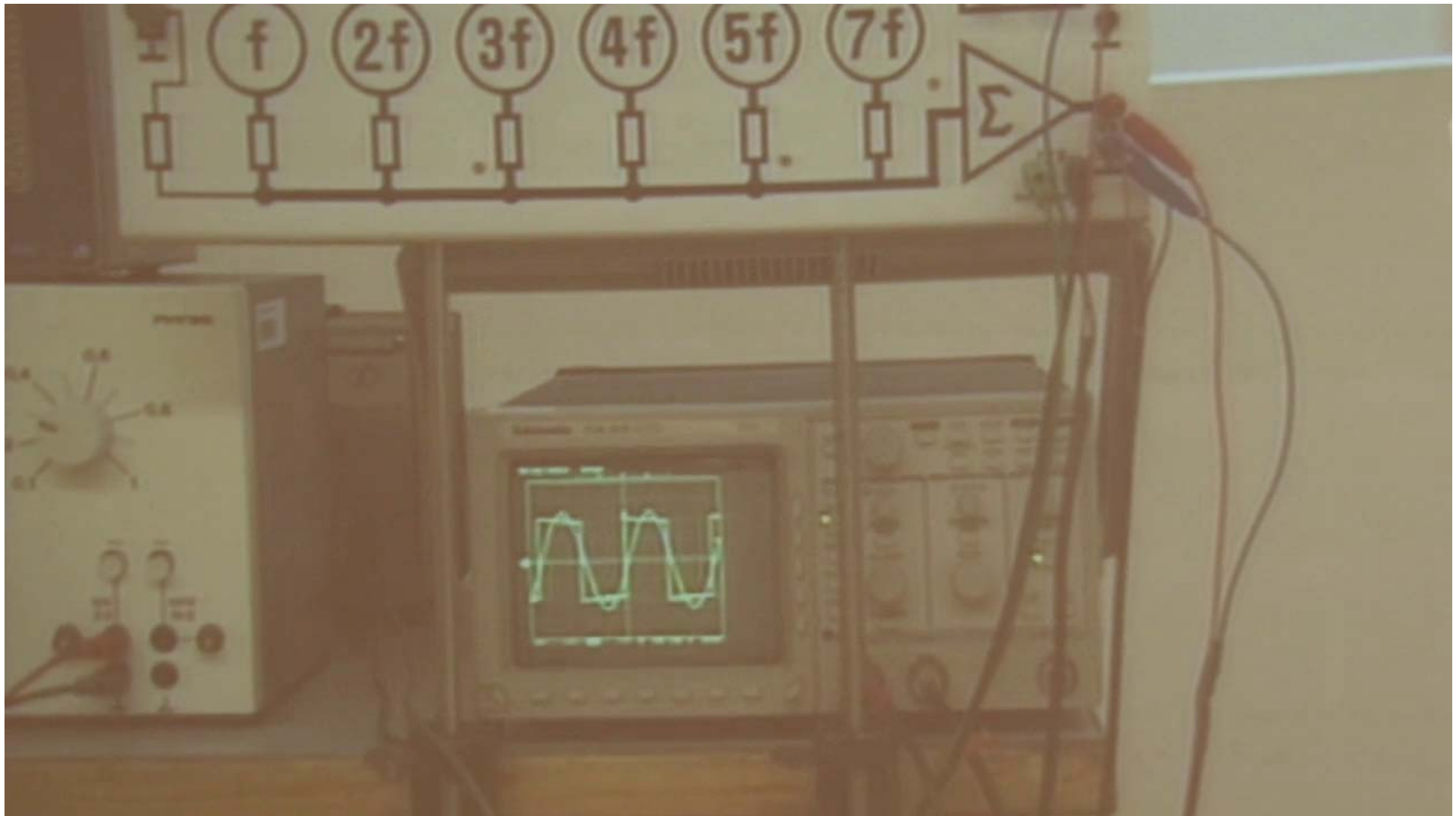


# Wellenlehre: Orgelpfeife, stehende Welle, Helium

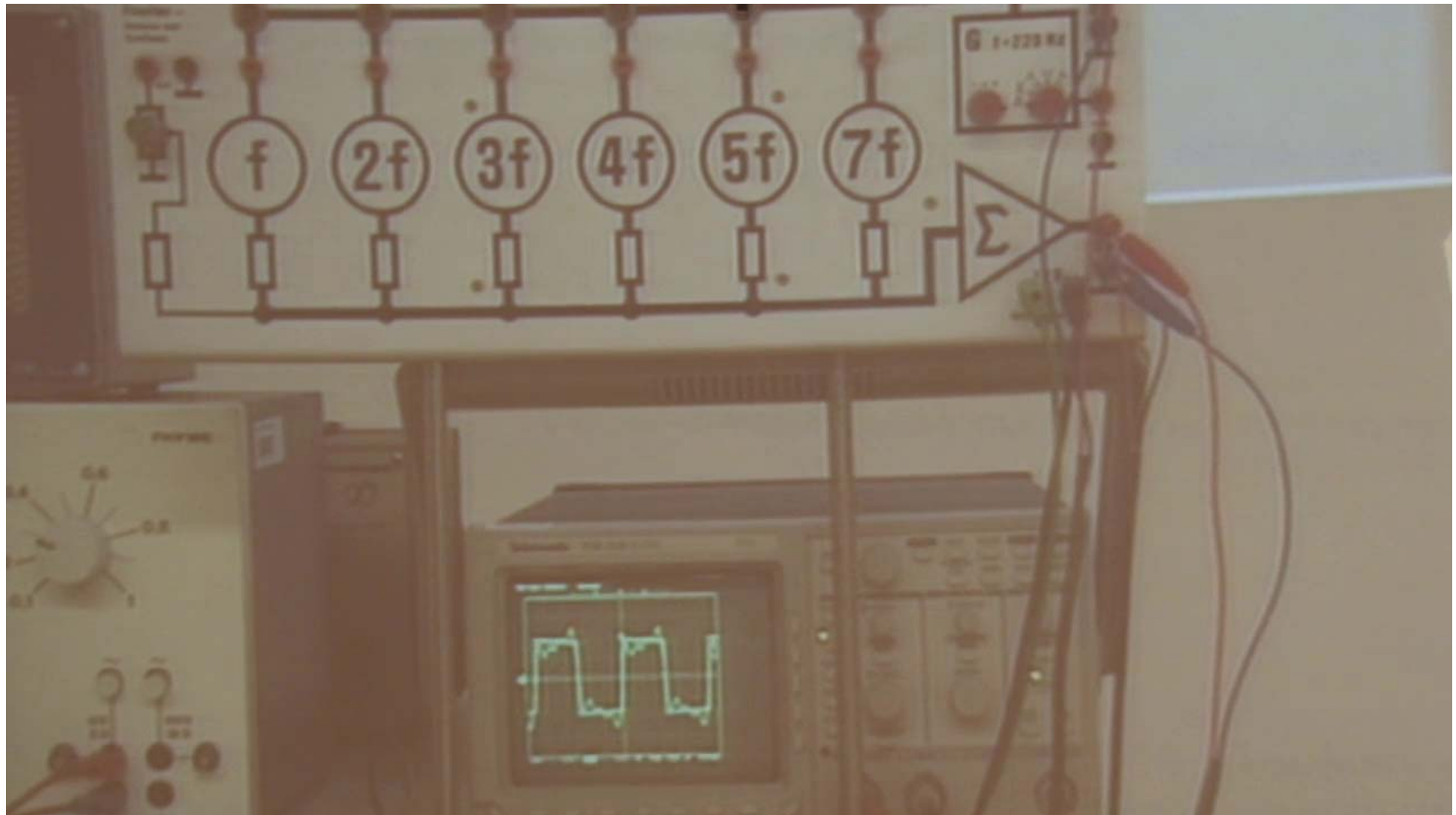




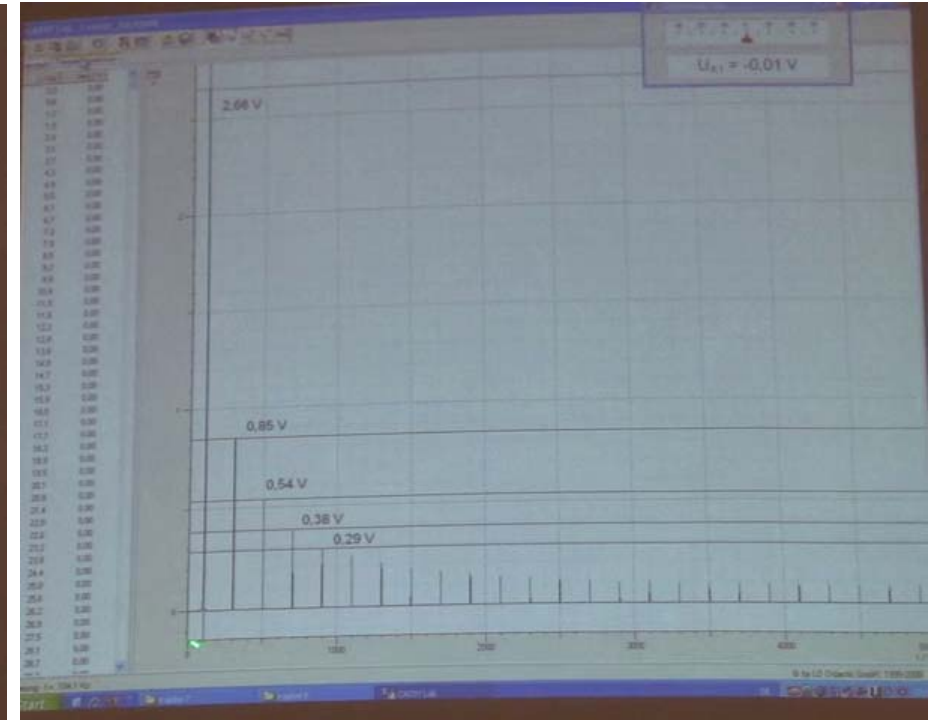
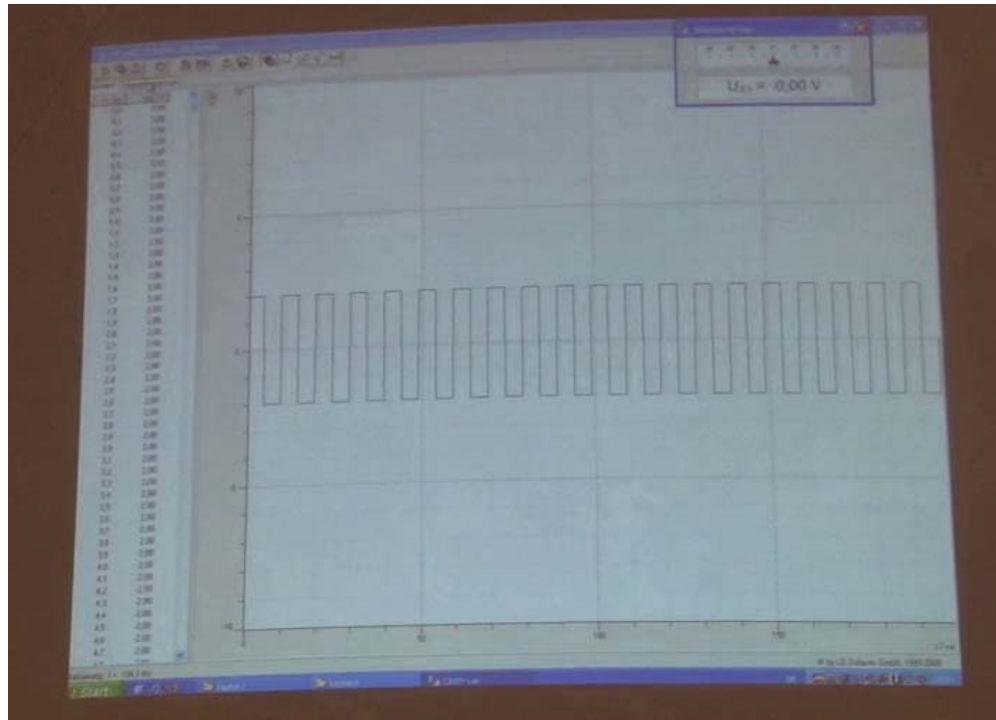
# Fourier-Analyse, Rechteck-Puls



# Fourier-Analyse, Rechteck-Puls

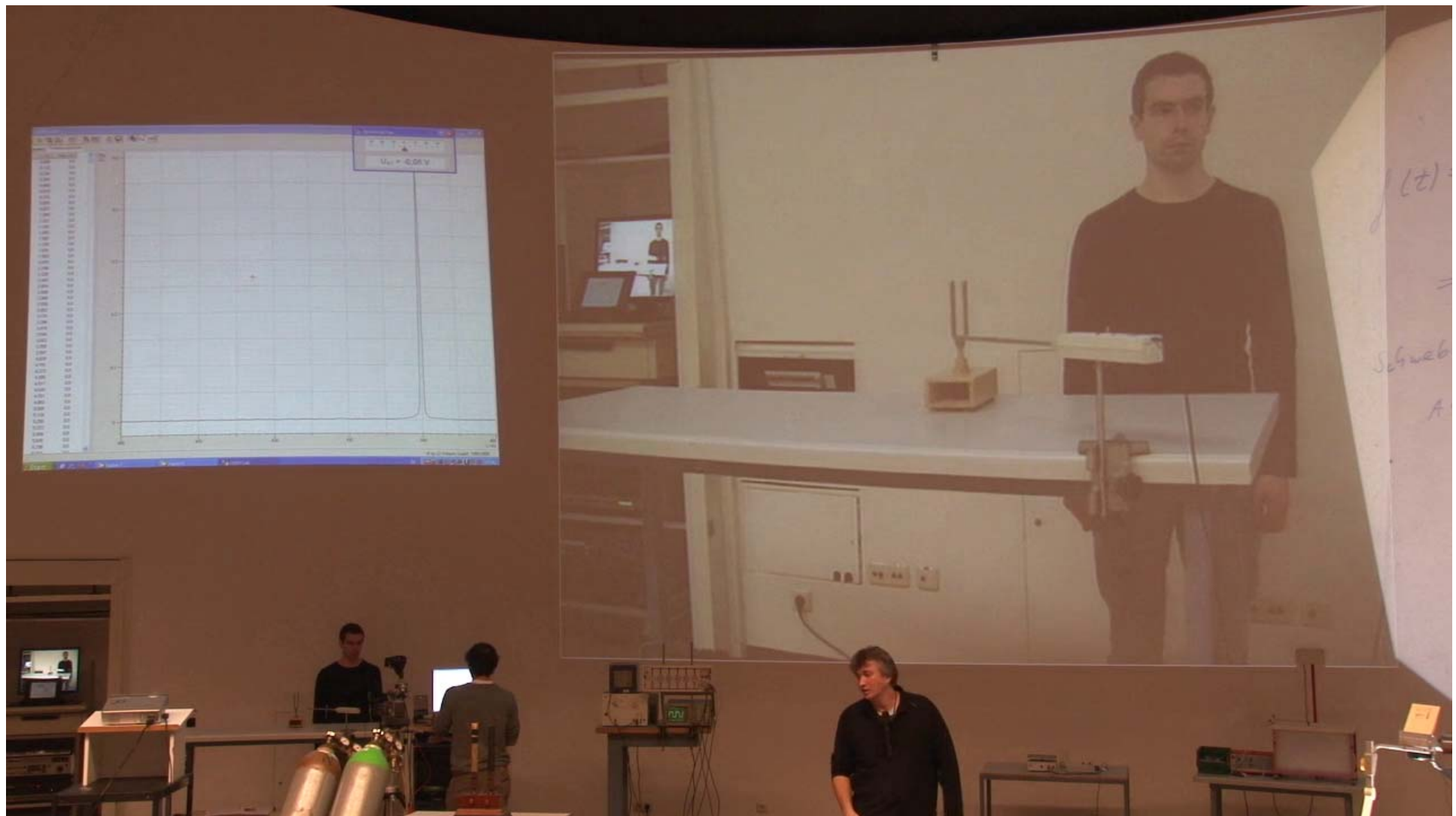


# Fourier-Analyse, Rechteck-Puls mit Power Cassy



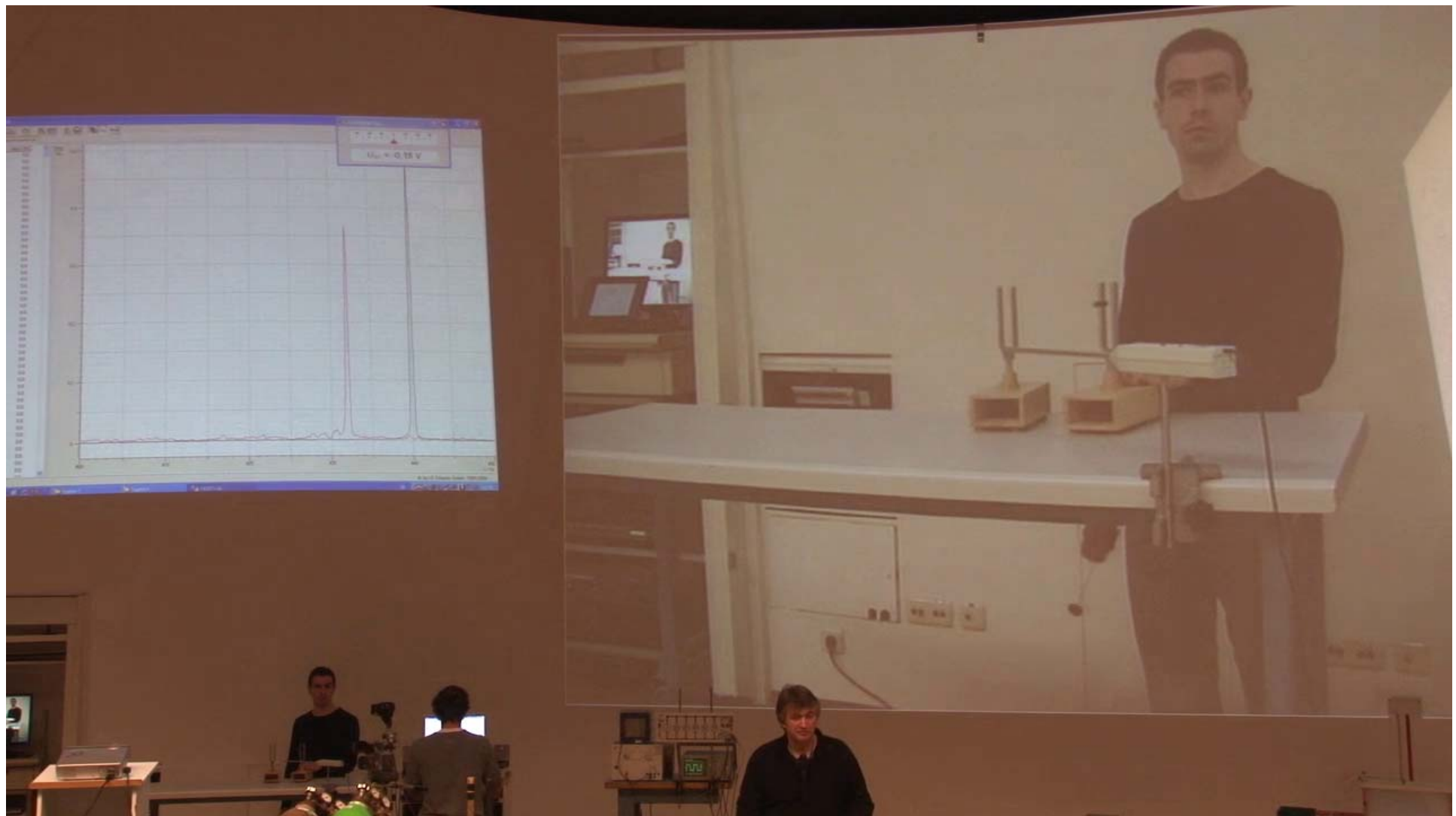
Cassy-File: Schall\_Fourier\_Rechteck.lab

# Fourier-Analyse, 1 Stimmgabel



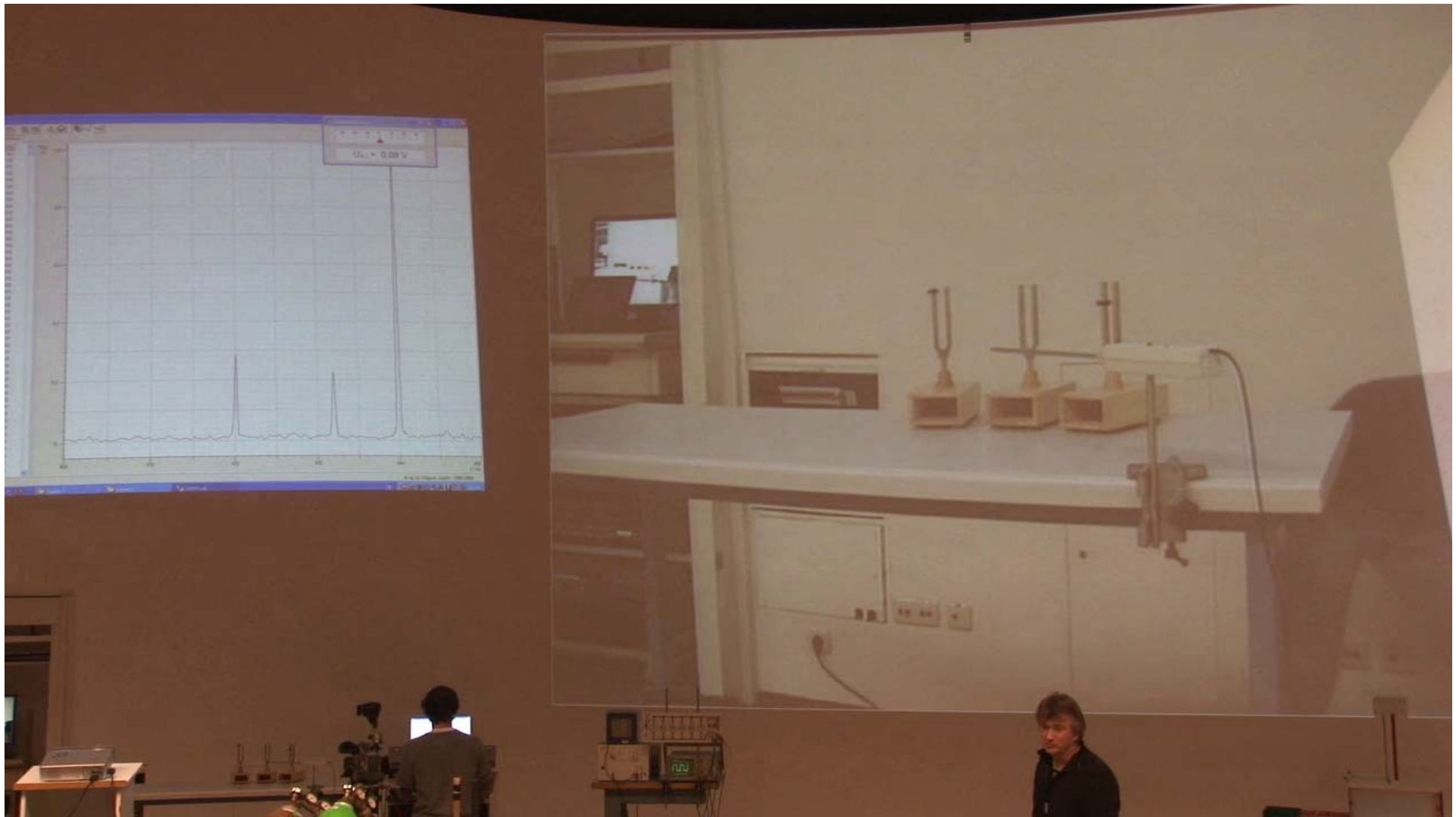
Cassy-File: Schall\_Stimmgabel\_7.lab

# Fourier-Analyse, 2 Stimmgabeln



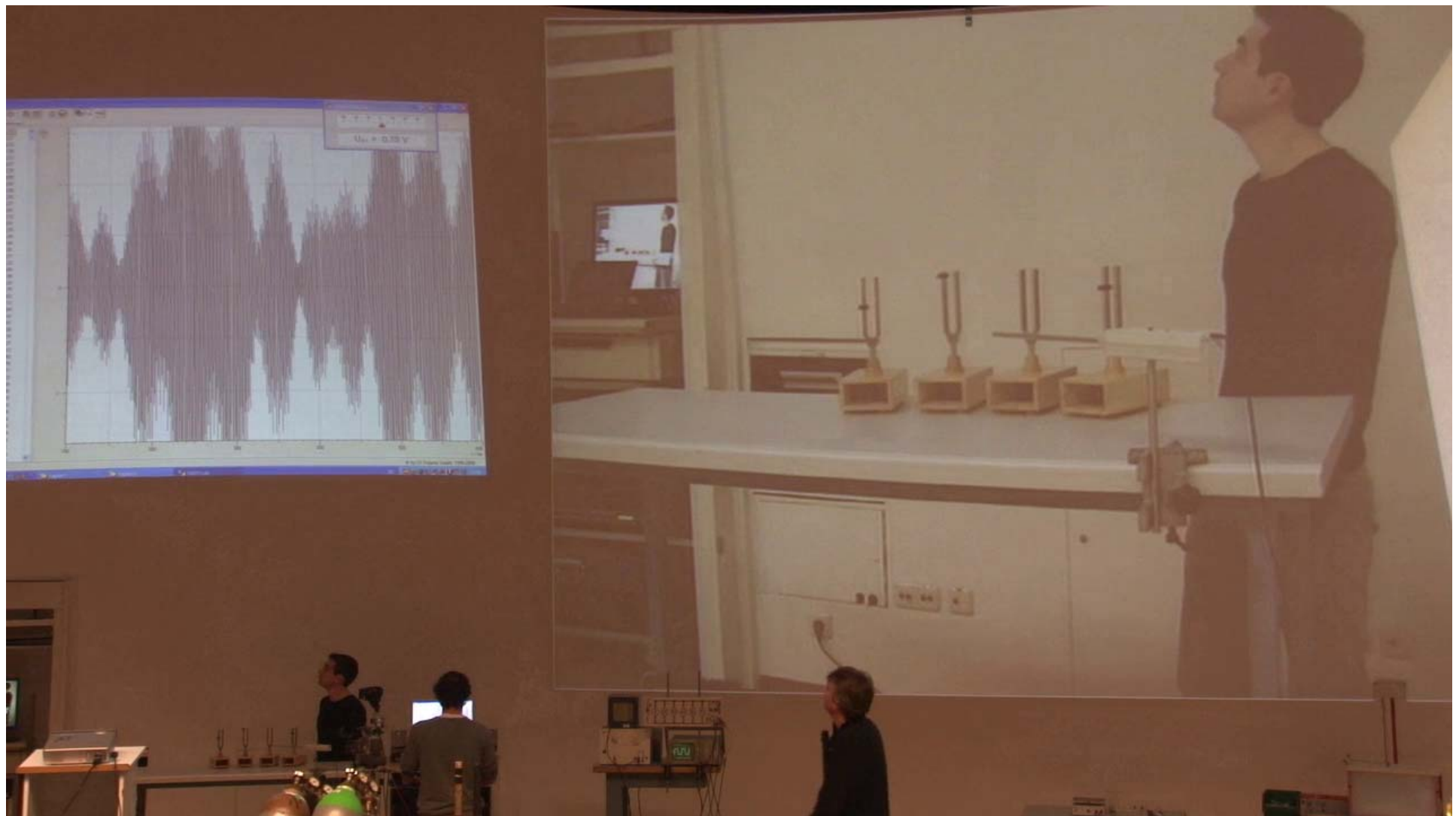
Cassy-File: Schall\_Stimmgabel\_7.lab

# Fourier-Analyse, 3 Stimmgabeln



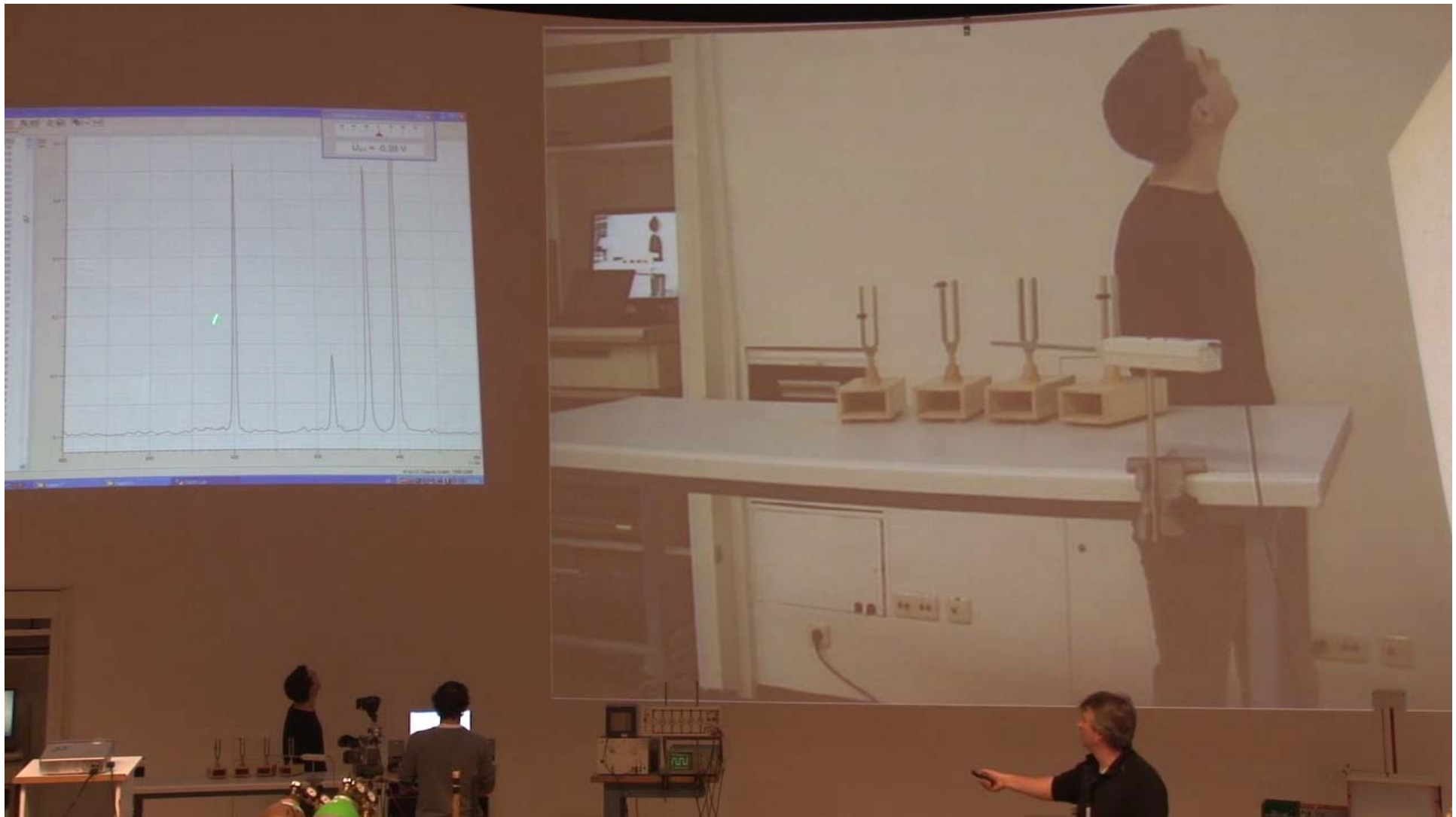
Cassy-File: Schall\_Stimmgabel\_7.lab

# Fourier-Analyse, 4 Stimmgabeln



Cassy-File: Schall\_Stimmgabel\_7.lab

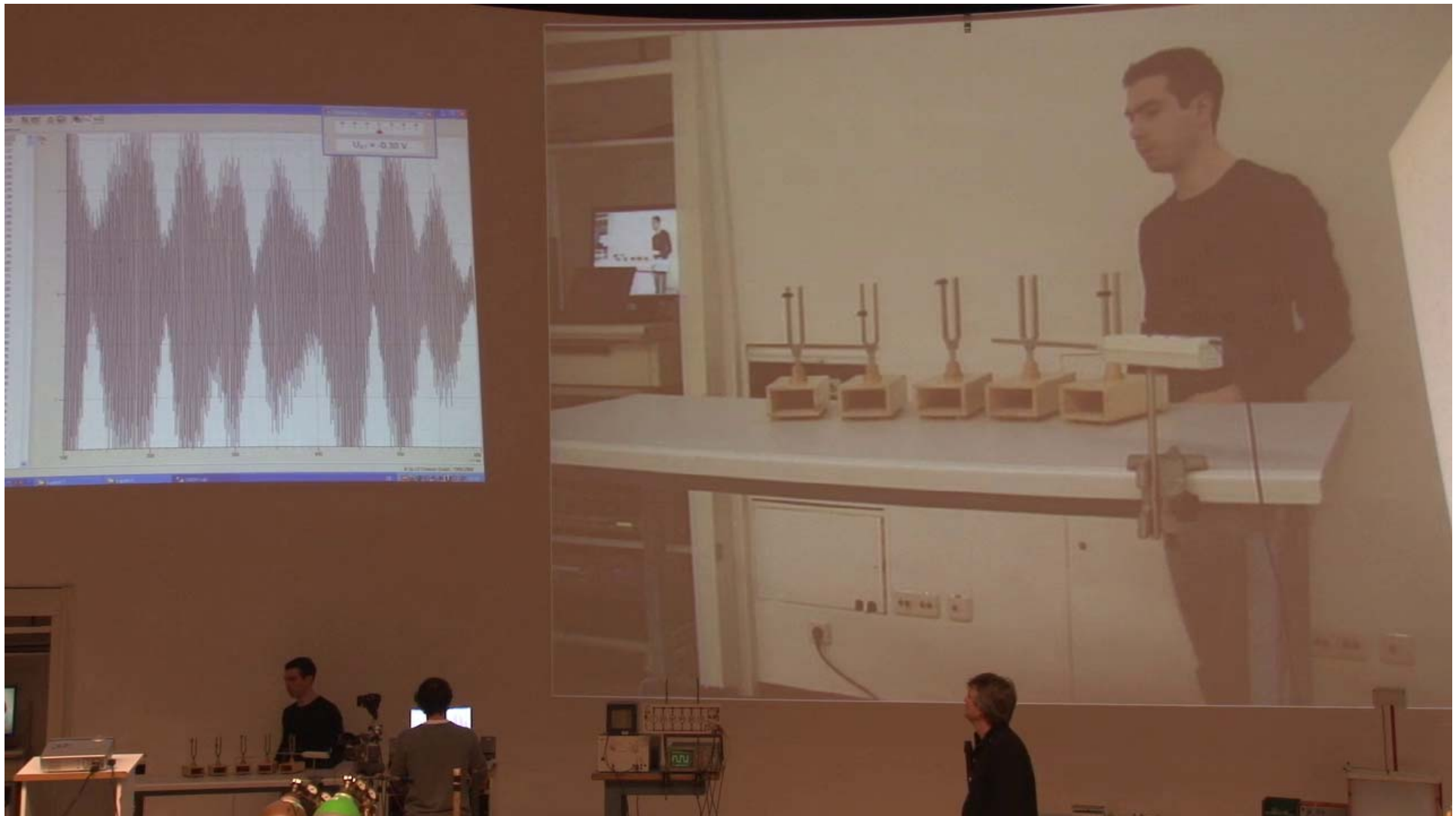
# Fourier-Analyse, 4 Stimmgabeln



Cassy-File: Schall\_Stimmgabel\_7.lab

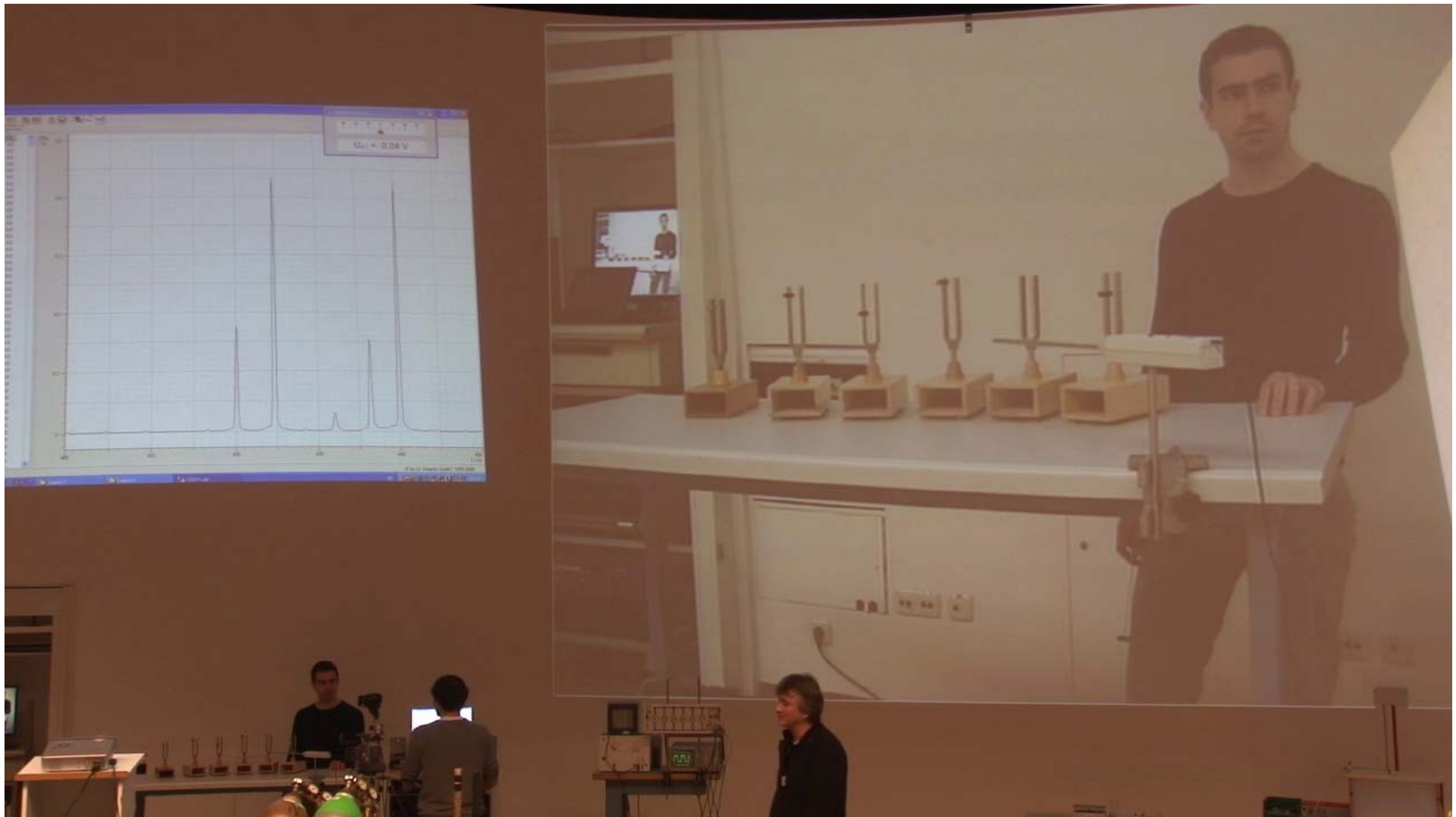


# Fourier-Analyse, 5 Stimmgabeln



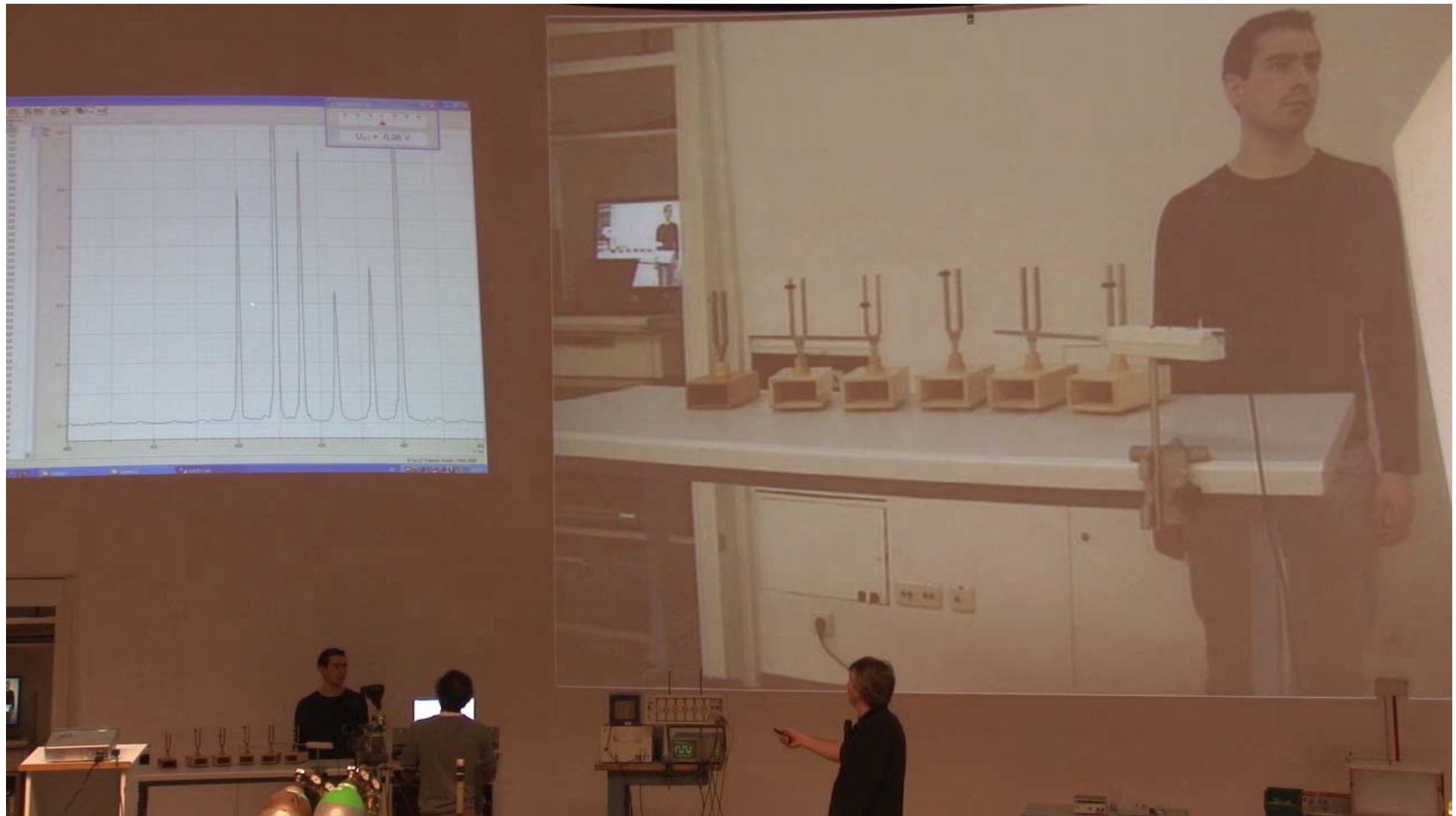
Cassy-File: Schall\_Stimmgabel\_7.lab

# Fourier-Analyse, 5 Stimmgabeln



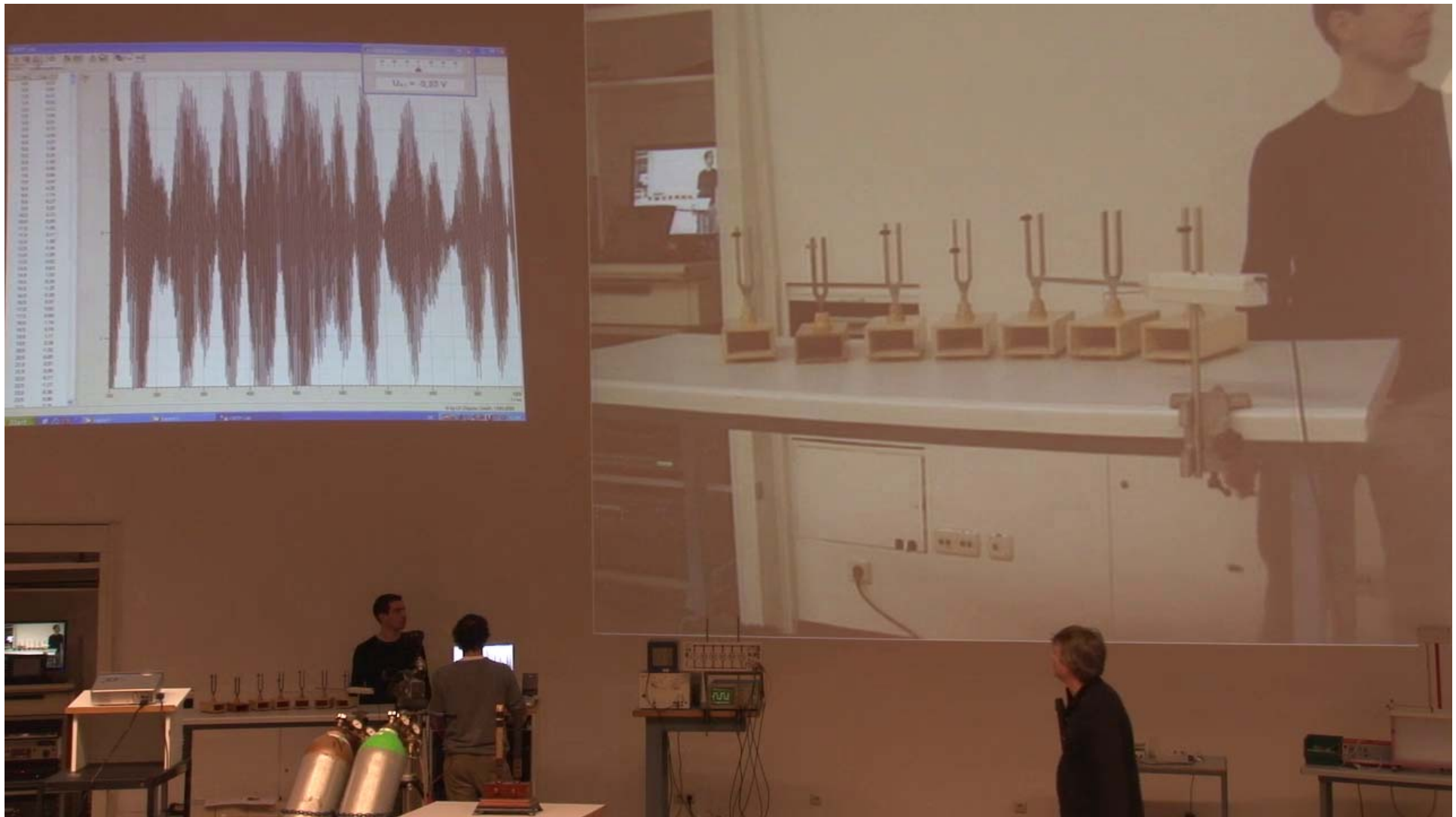
Cassy-File: Schall\_Stimmgabel\_7.lab

# Fourier-Analyse, 6 Stimmgabeln



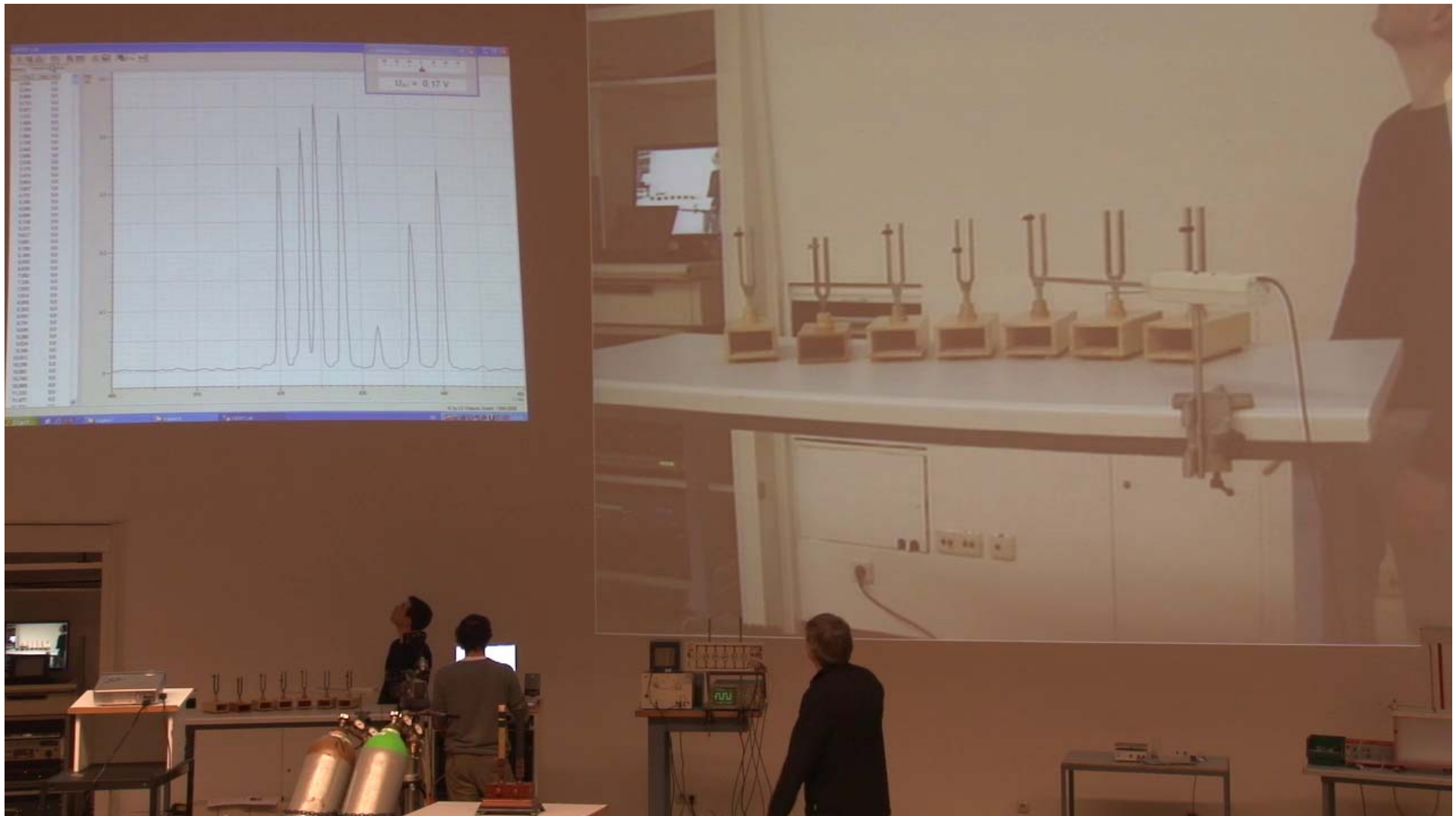
Cassy-File: Schall\_Stimmgabel\_7.lab

# Fourier-Analyse, 7 Stimmgabeln



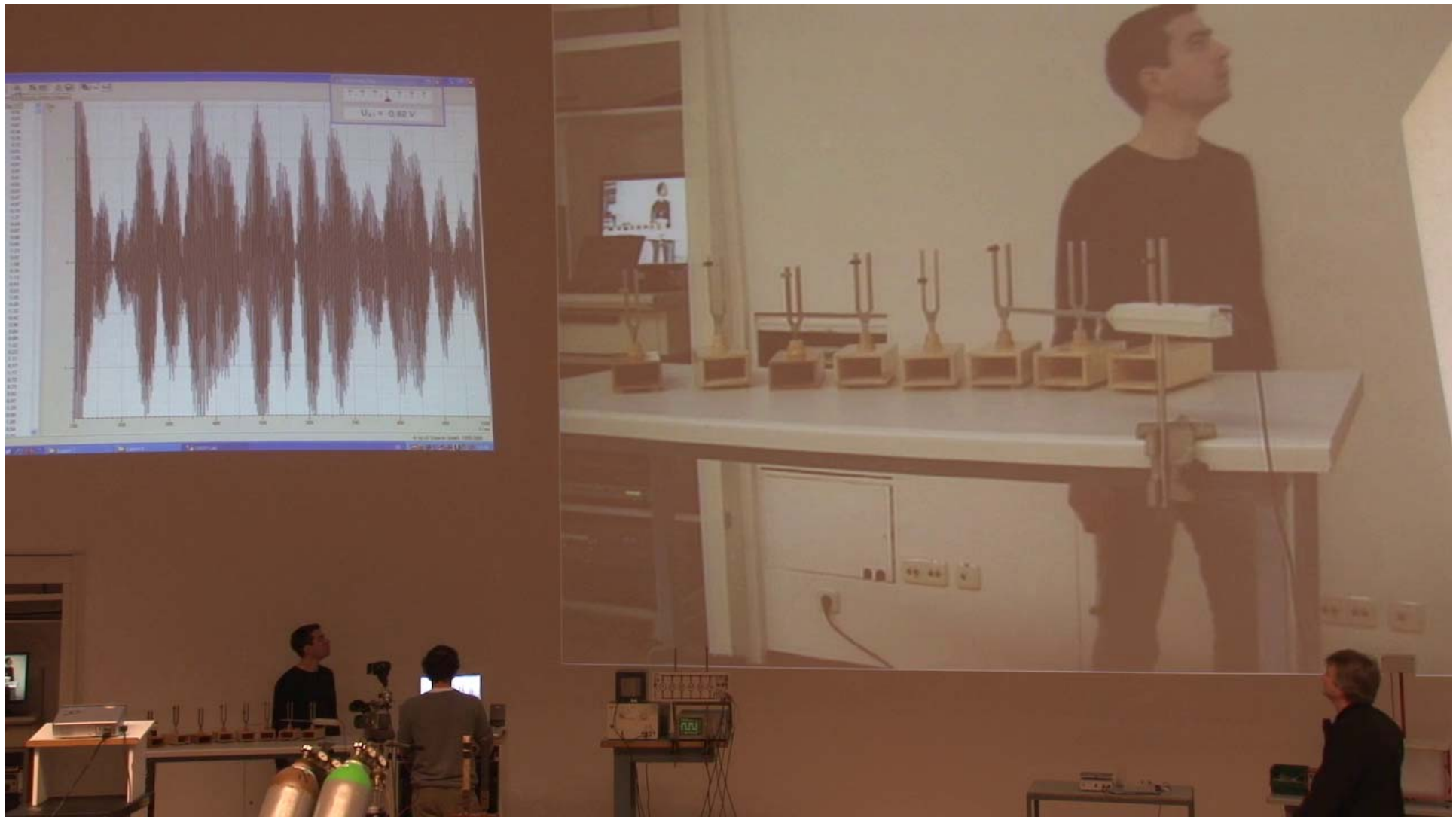
Cassy-File: Schall\_Stimmgabel\_7.lab

# Fourier-Analyse, 7 Stimmgabeln



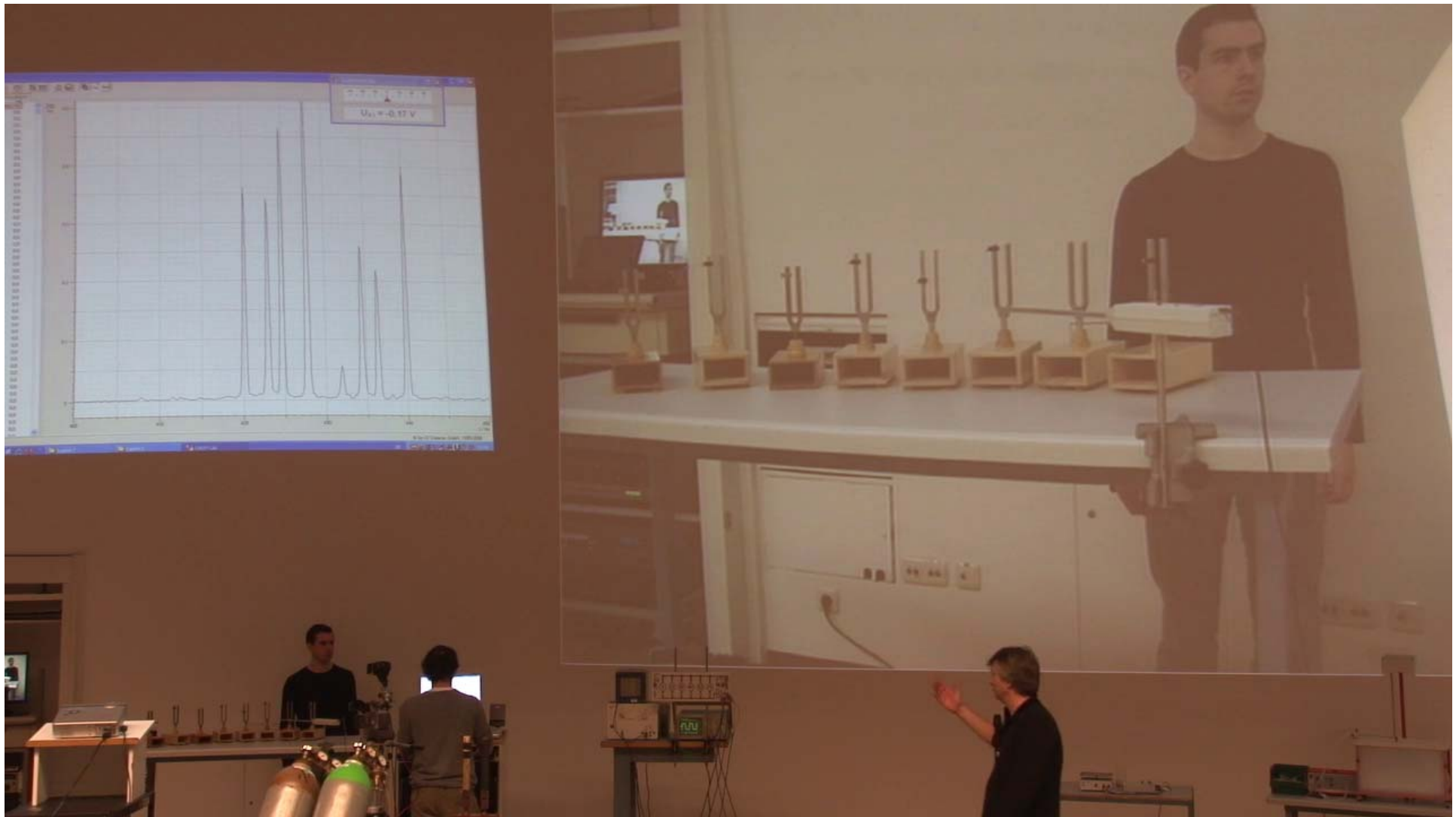
Cassy-File: Schall\_Stimmgabel\_7.lab

# Fourier-Analyse, 8 Stimmgabeln



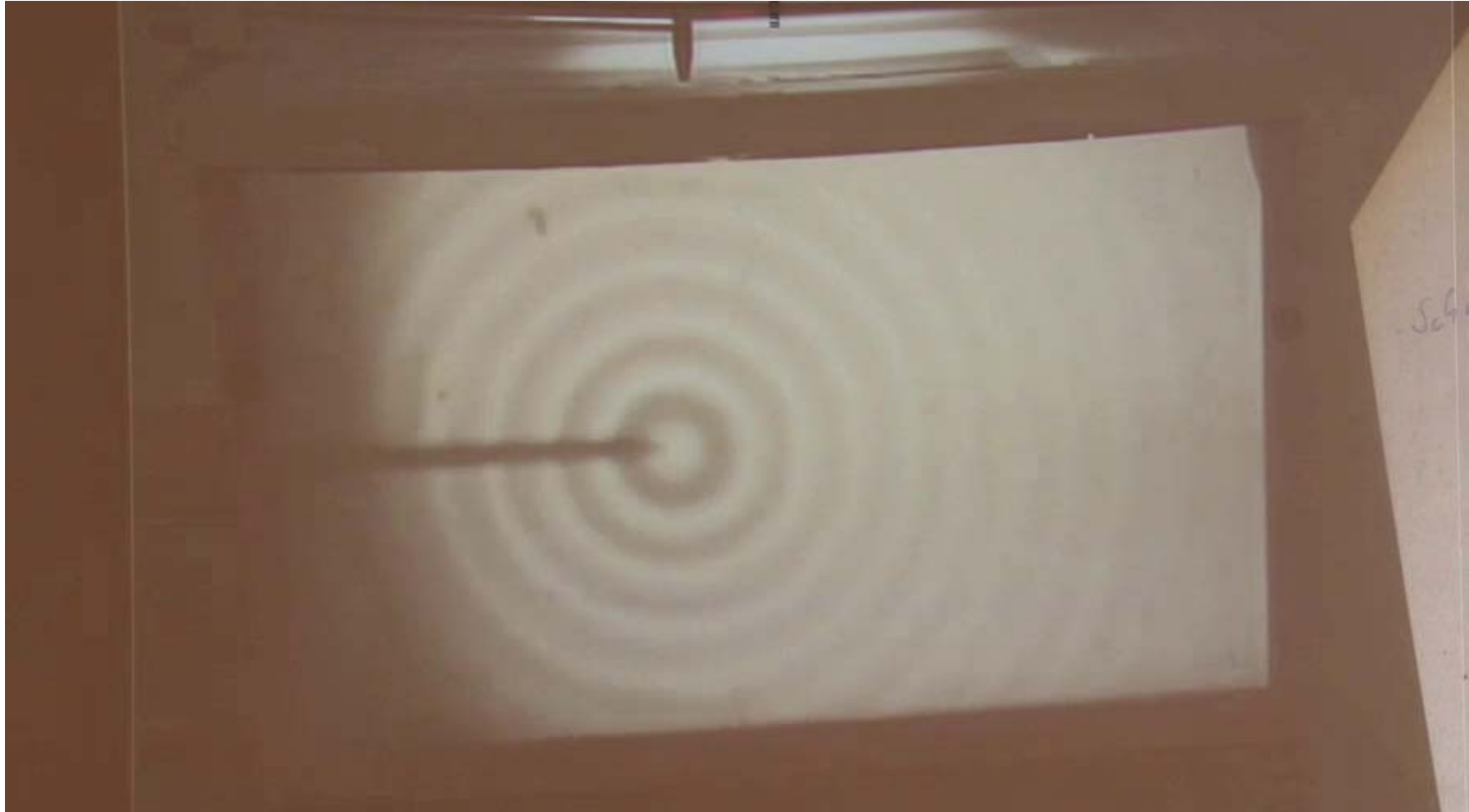
Cassy-File: Schall\_Stimmgabel\_7.lab

# Fourier-Analyse, 8 Stimmgabeln



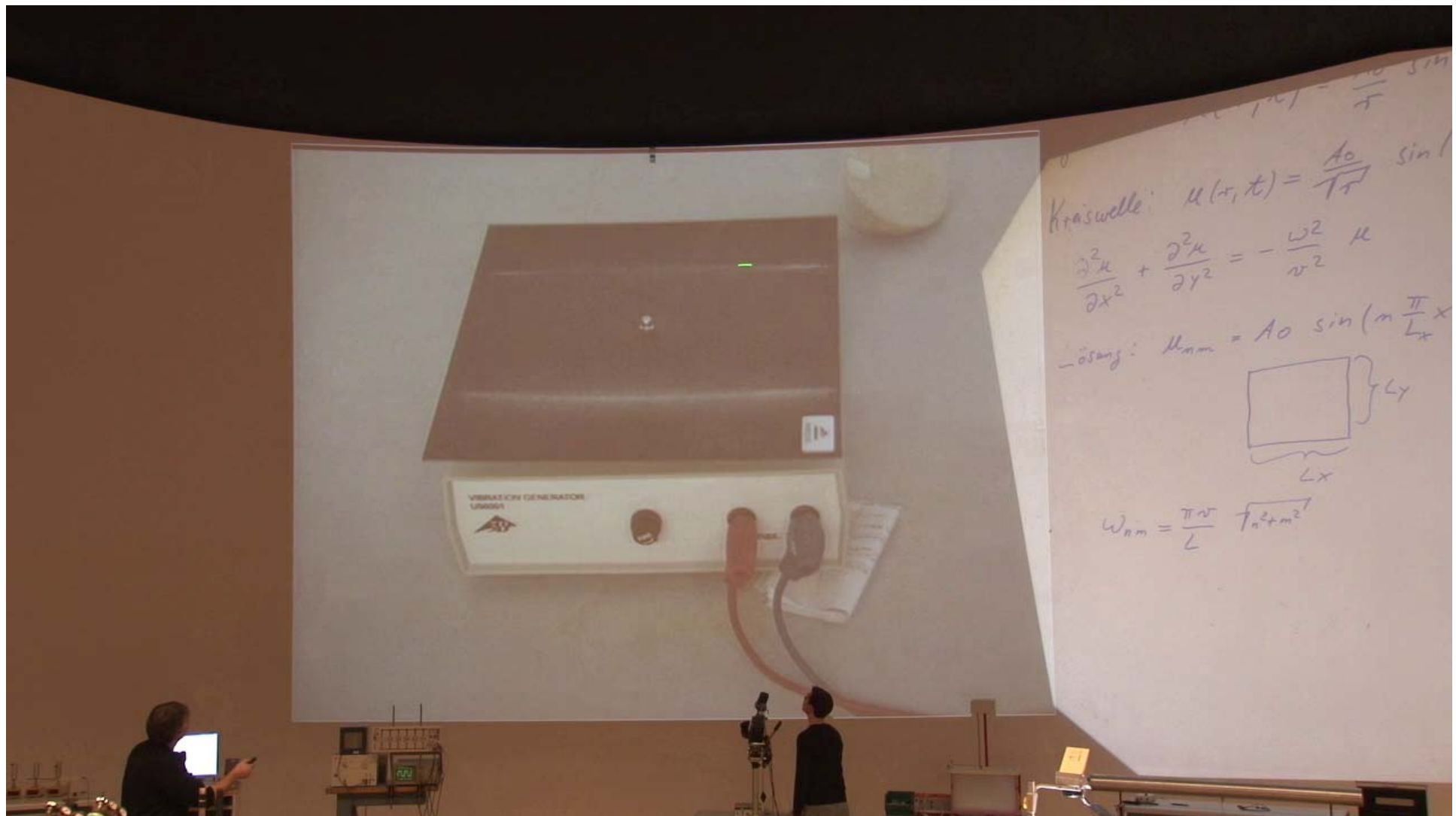
Cassy-File: Schall\_Stimmgabel\_7.lab

# Mehrdimensionale Wellen: Wellenwanne





# Mehrdimensionale Wellen: Chladnische Klangfiguren



# Mehrdimensionale Wellen: Chladnische Klangfiguren

