

Rudolf Steiner - Archiv

Goetheanum Dornach/Schweiz

in Bibliothek

Juli 1991

Dr. Hermann Toppelborn

29. April 1922.

11 Licht - Keers ⁴

Skizzen zum I. Vortrag

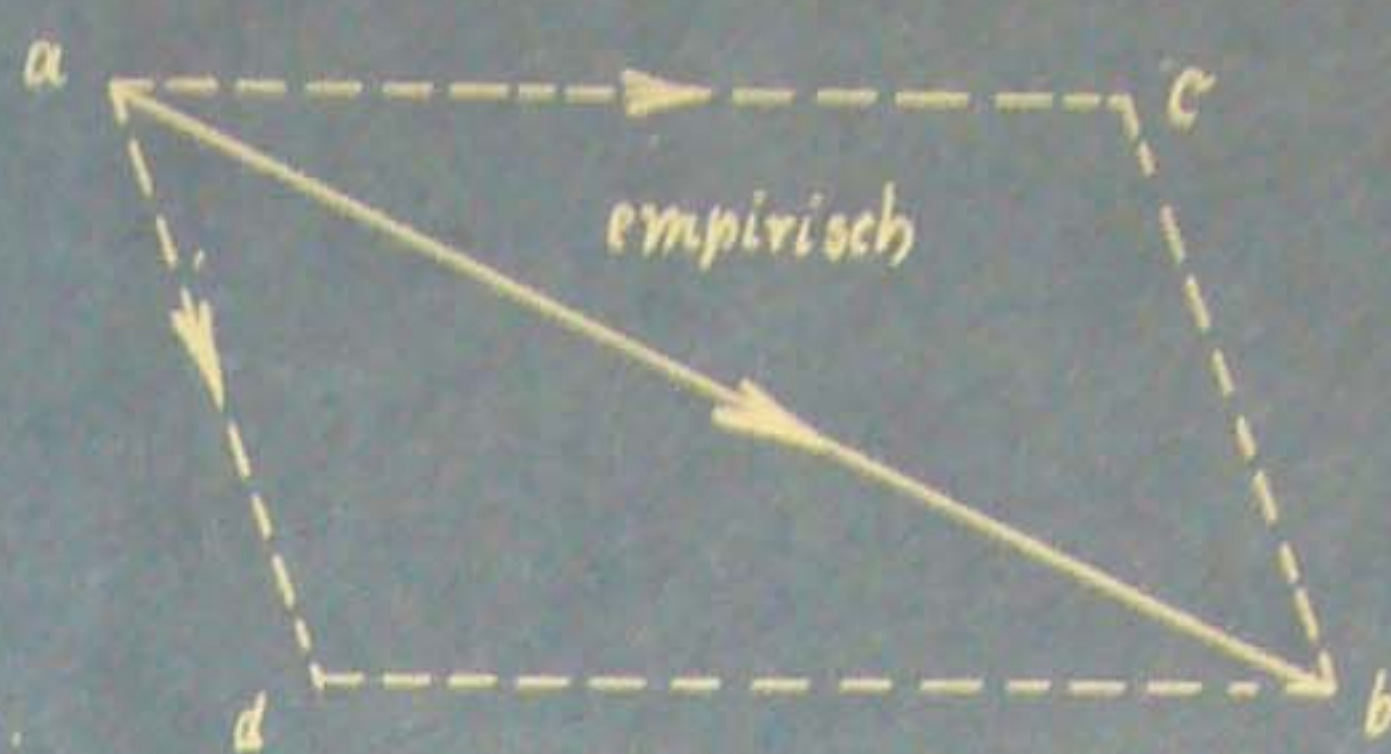
Figur I, a

Bewegungsparallelogramm
Phoronomie



Figur I, b

Kräfteparallelogramm
Mechanik

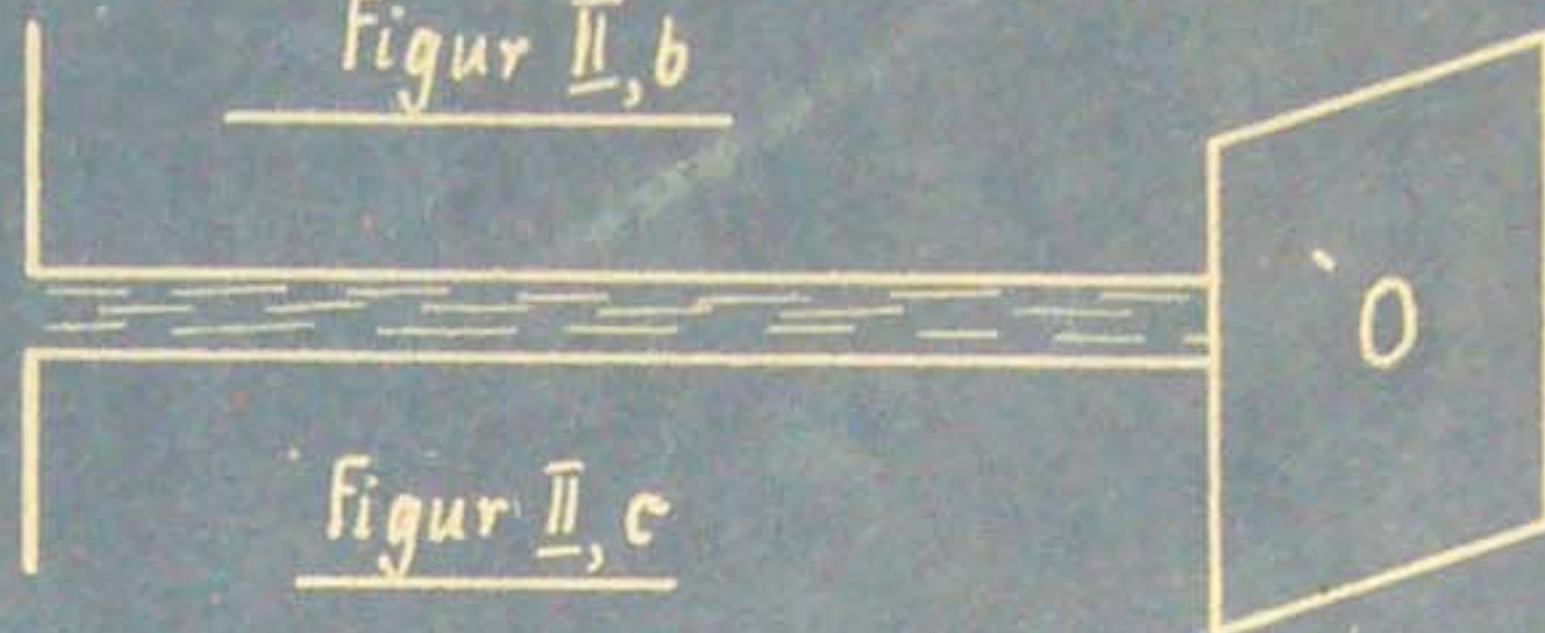


Skizzen zum II. Vortrag

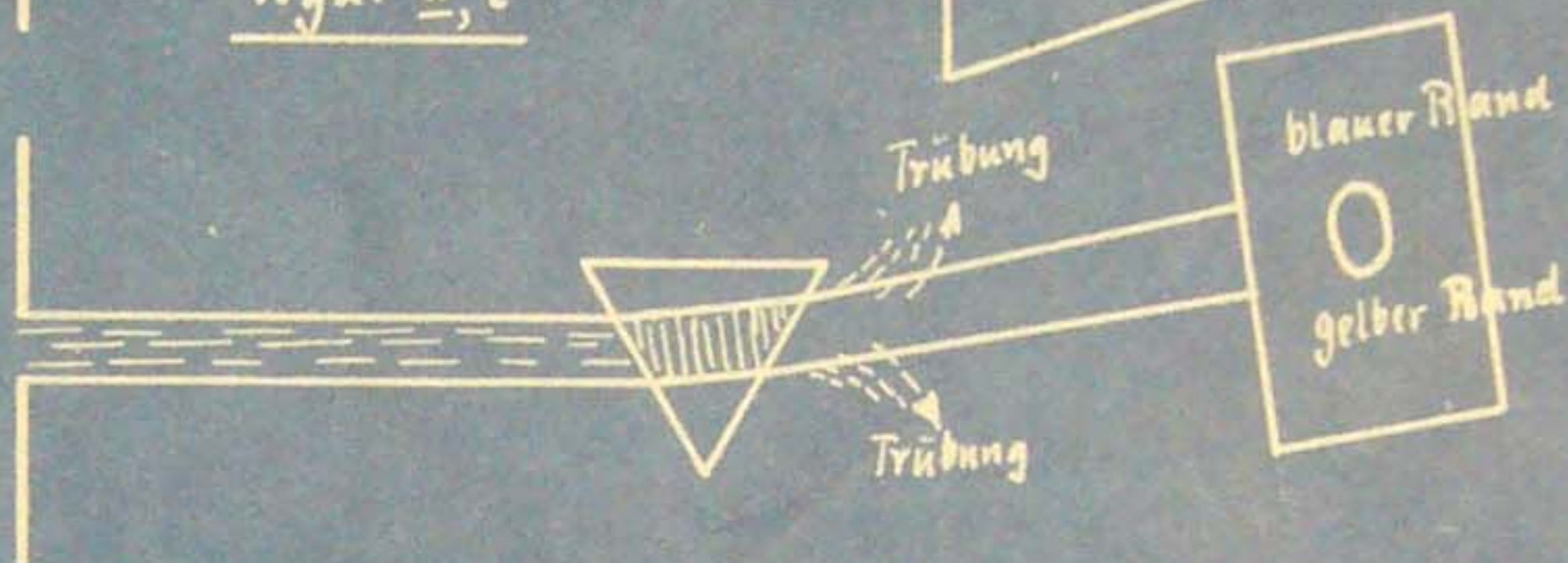
Figur II, a



Figur II, b

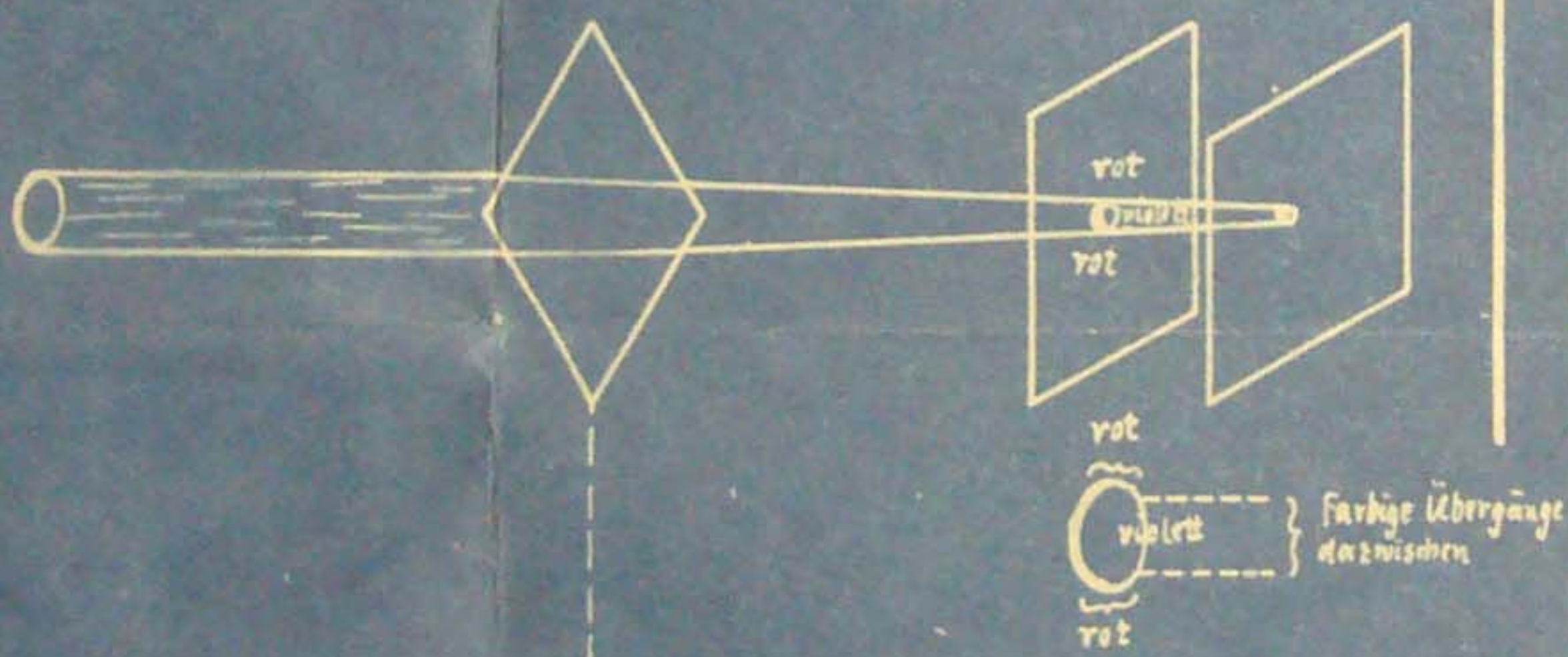


Figur II, c



Skizzen zum III. Vortrag

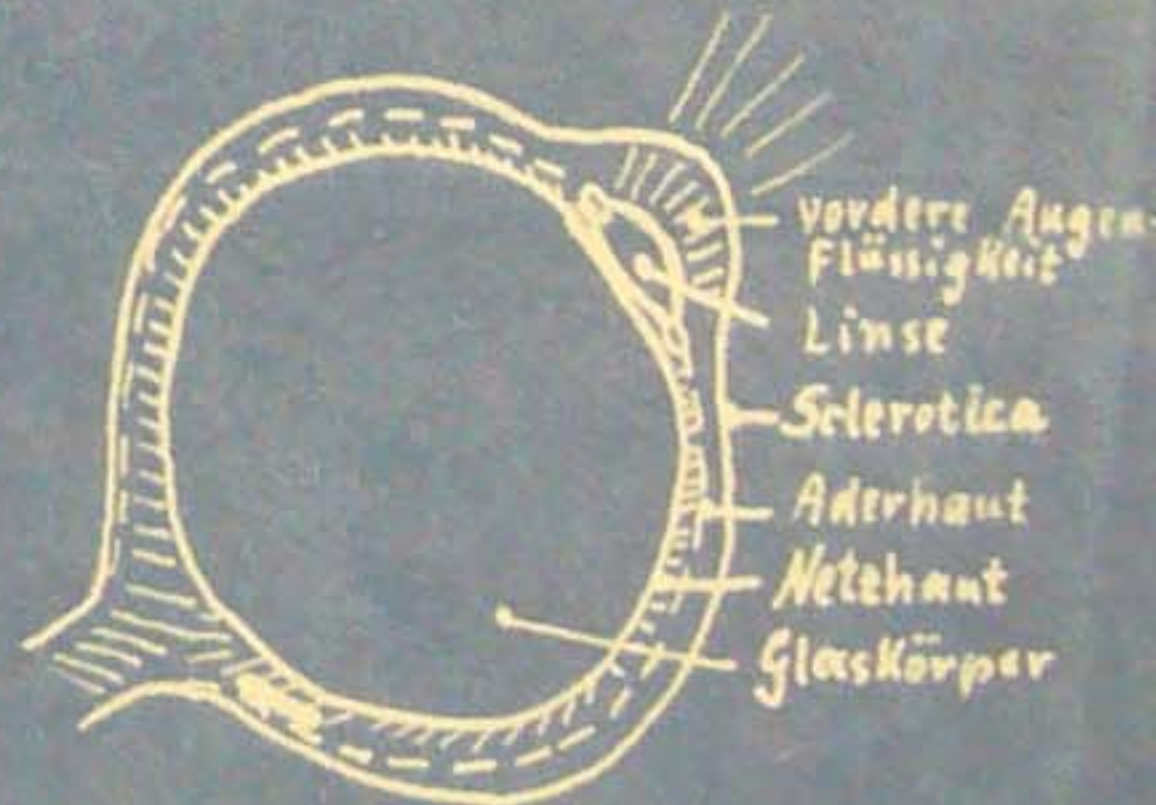
Figur III, a



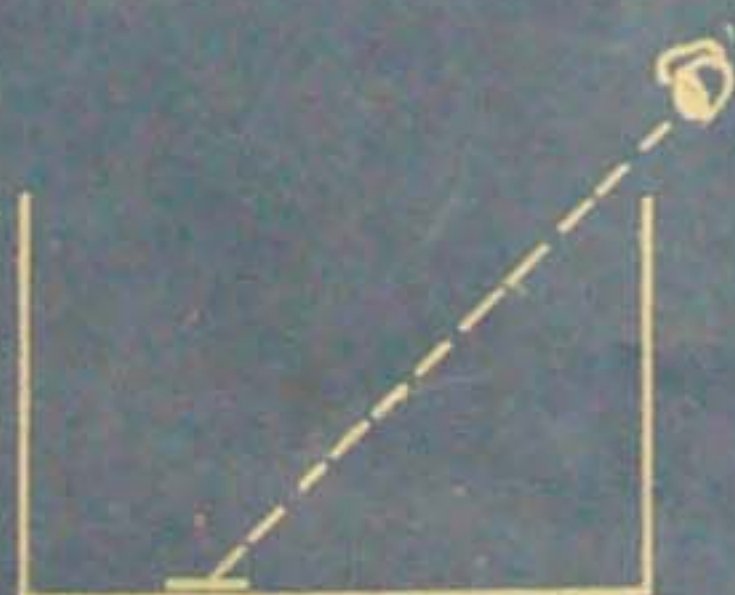
Figur III, b



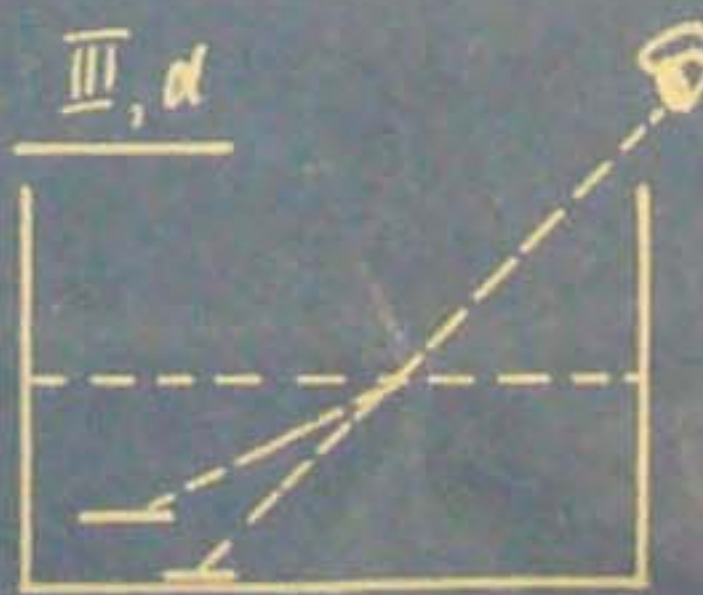
Figur III, f



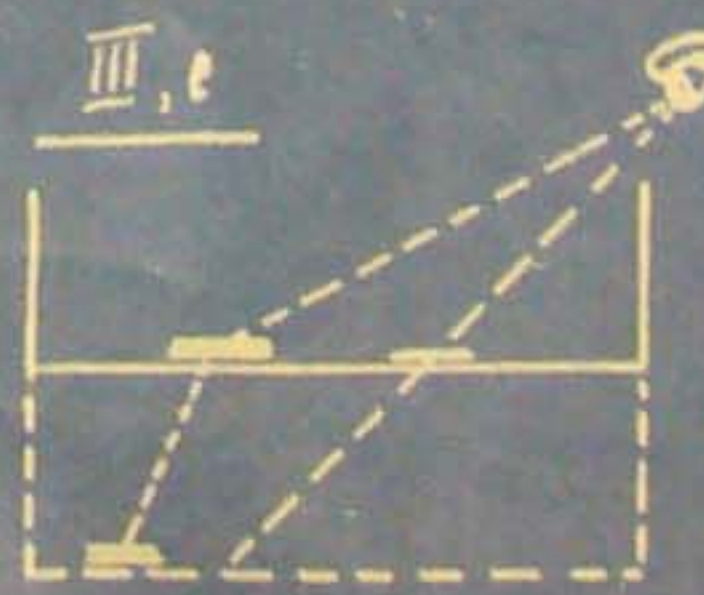
Figuren III, c



III, d



III, e



violett
rot
violett

Figur IV,

Skiz

grün

Skizzen zum I. Vortrag

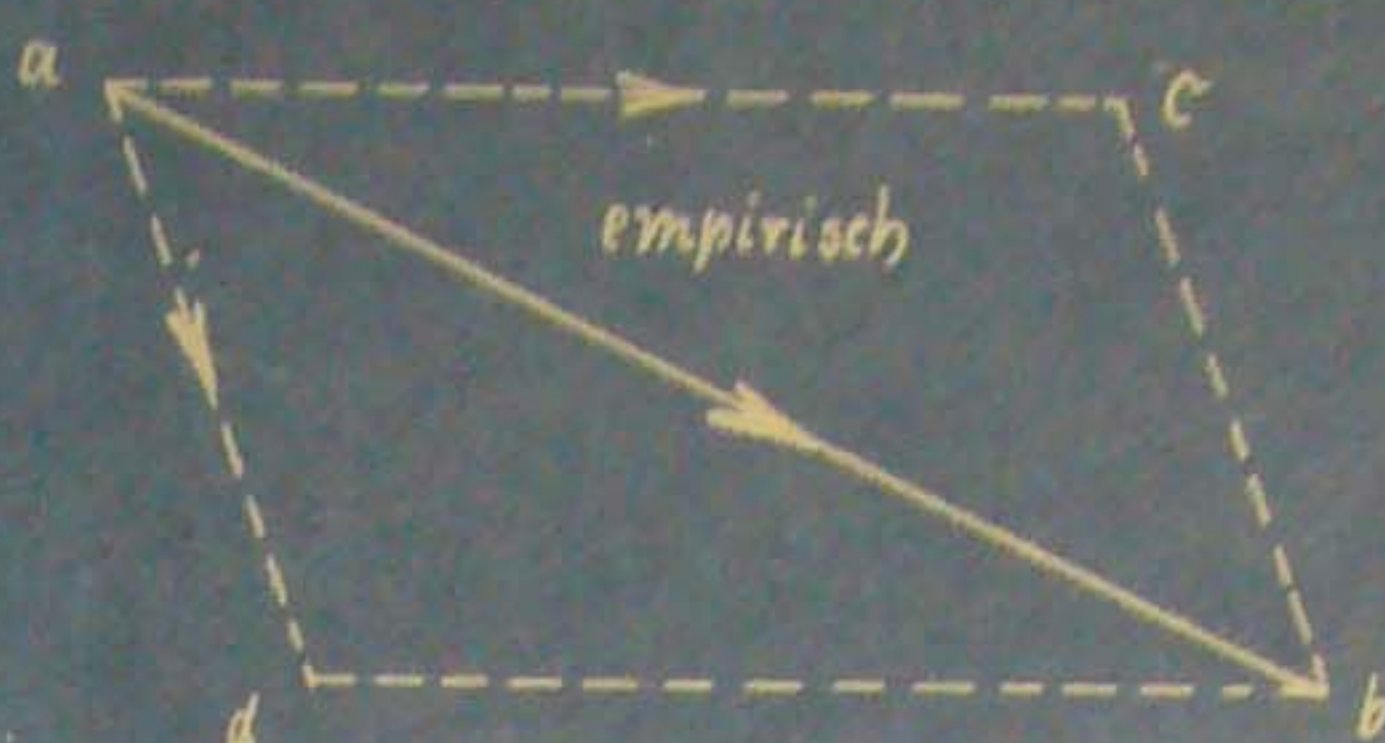
Figur I, a

Bewegungsparallelogramm
Phoronomie



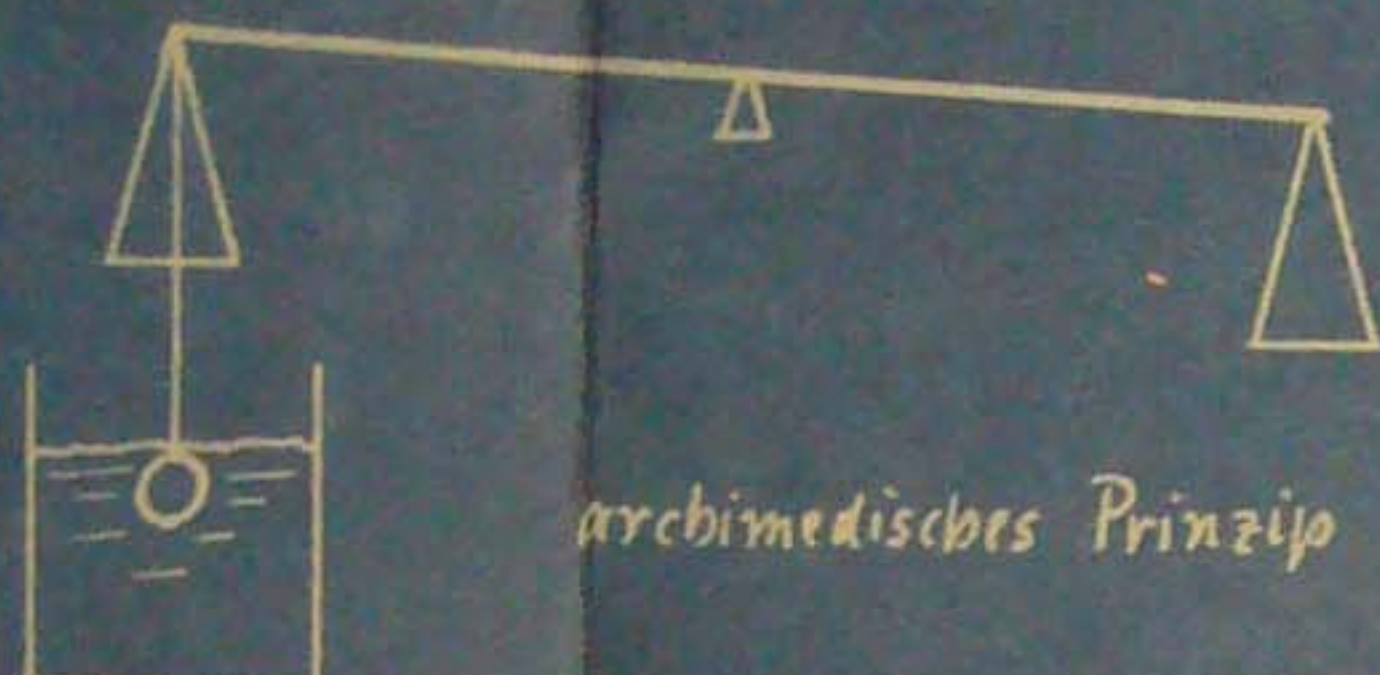
Figur I, b

Kräfteparallelogramm
Mechanik

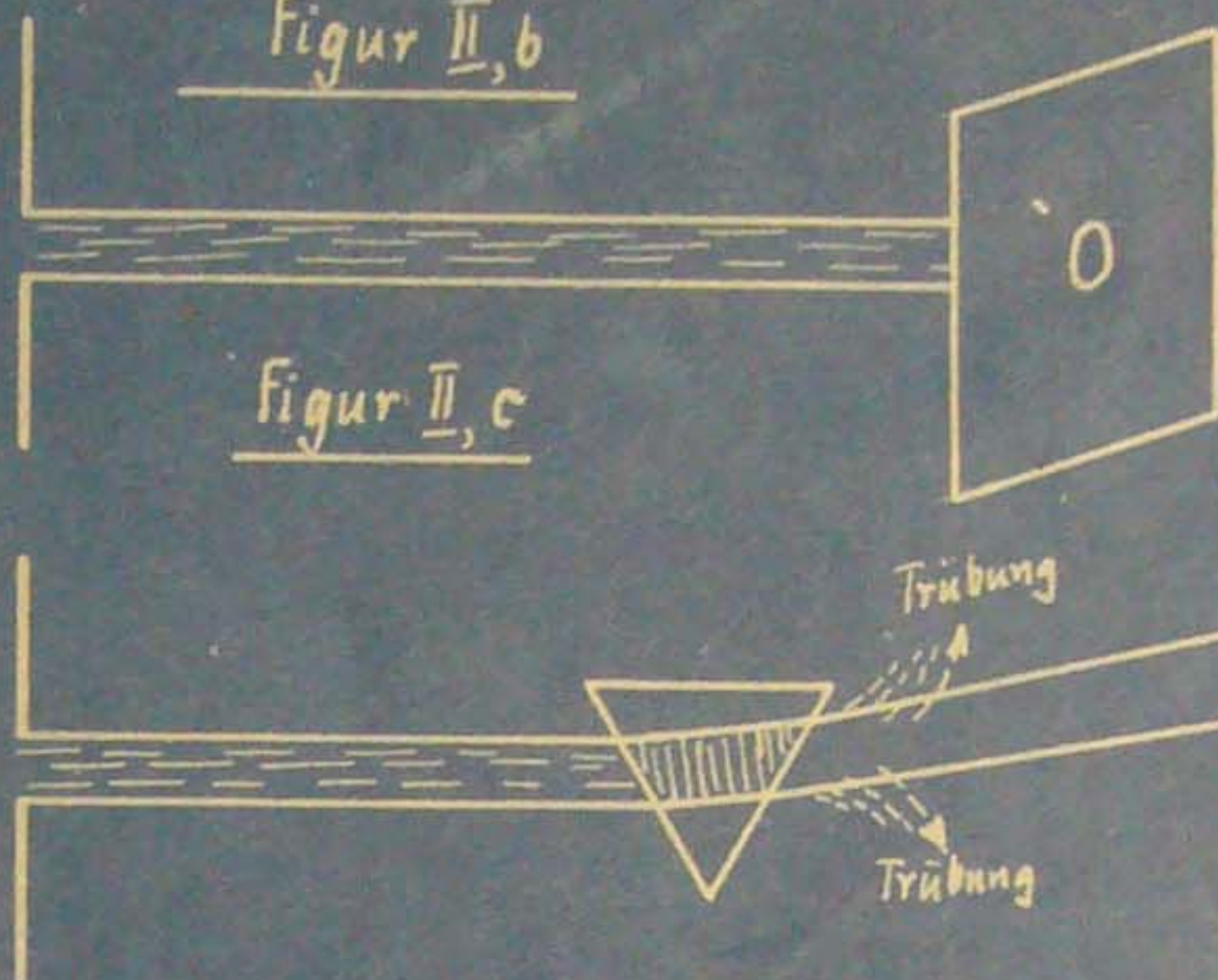


Skizzen zum II. Vortrag

Figur II, a



Figur II, b



Figur II, c

Skizzen zum III. Vortrag

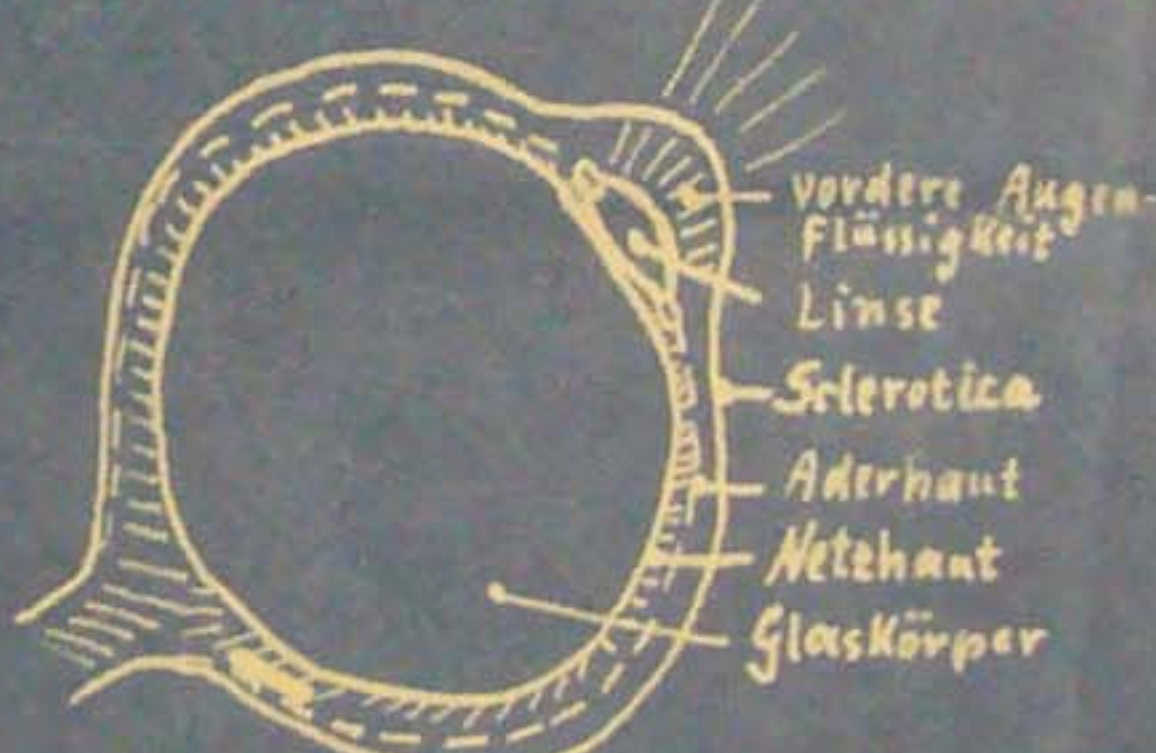
Figur III, a



Figur III, b



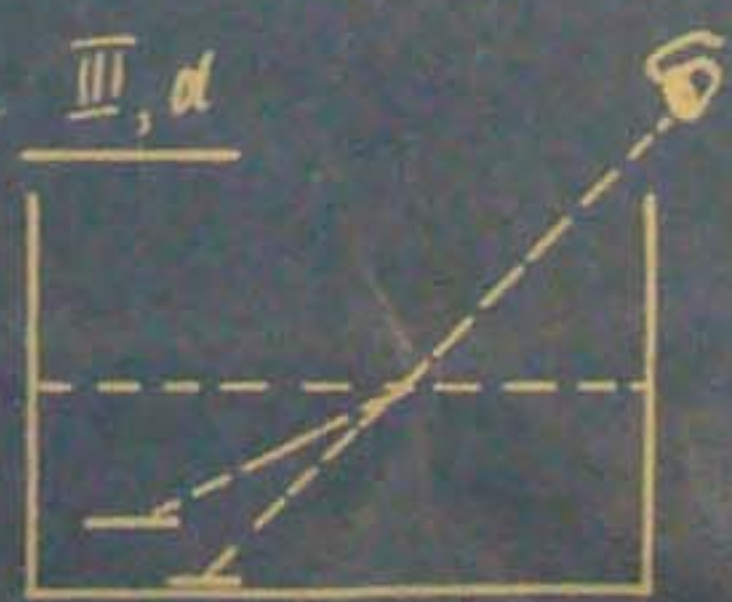
Figur III, f



Figuren III, c



III, d



III, e

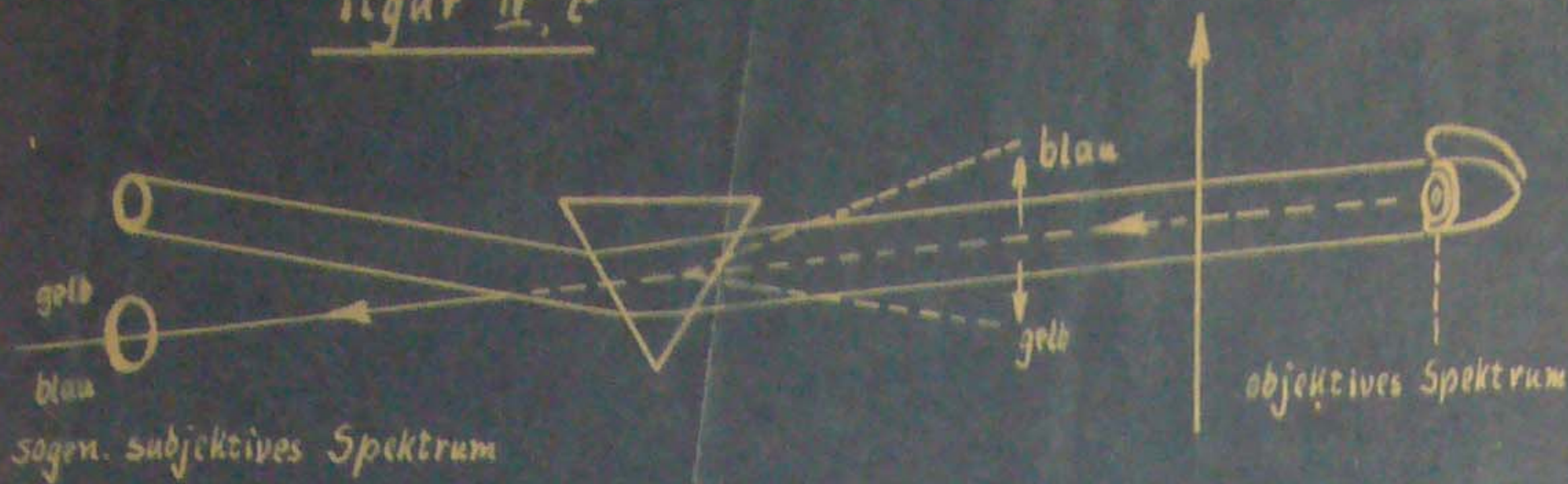


violett
rot
violet

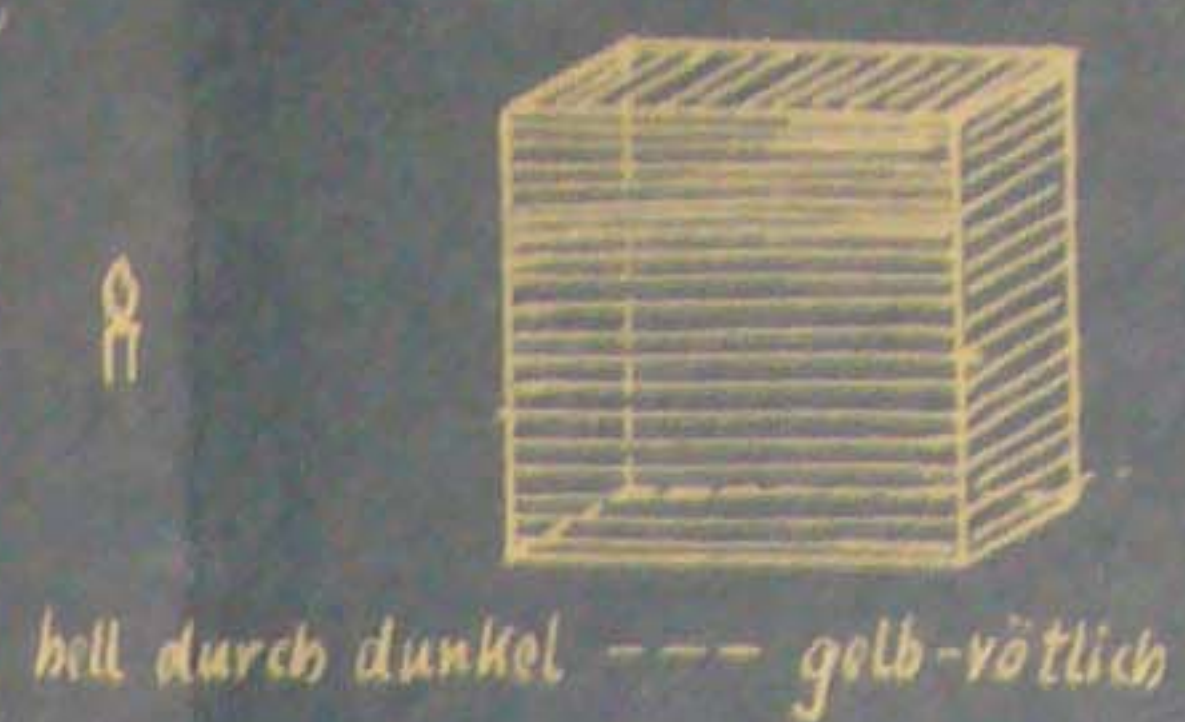
grün

Skizzen zum IV. Vortrag

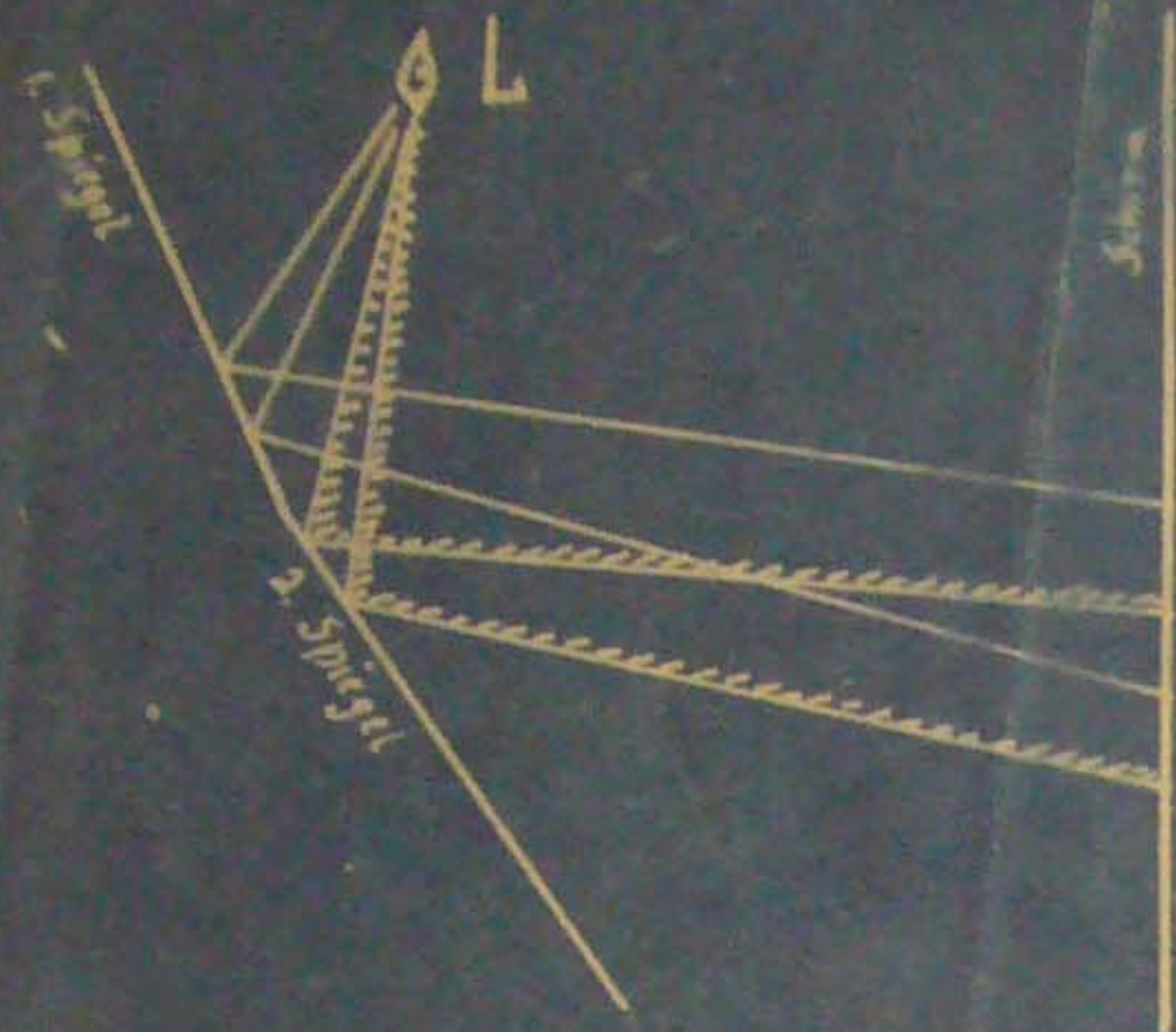
Figur IV, c



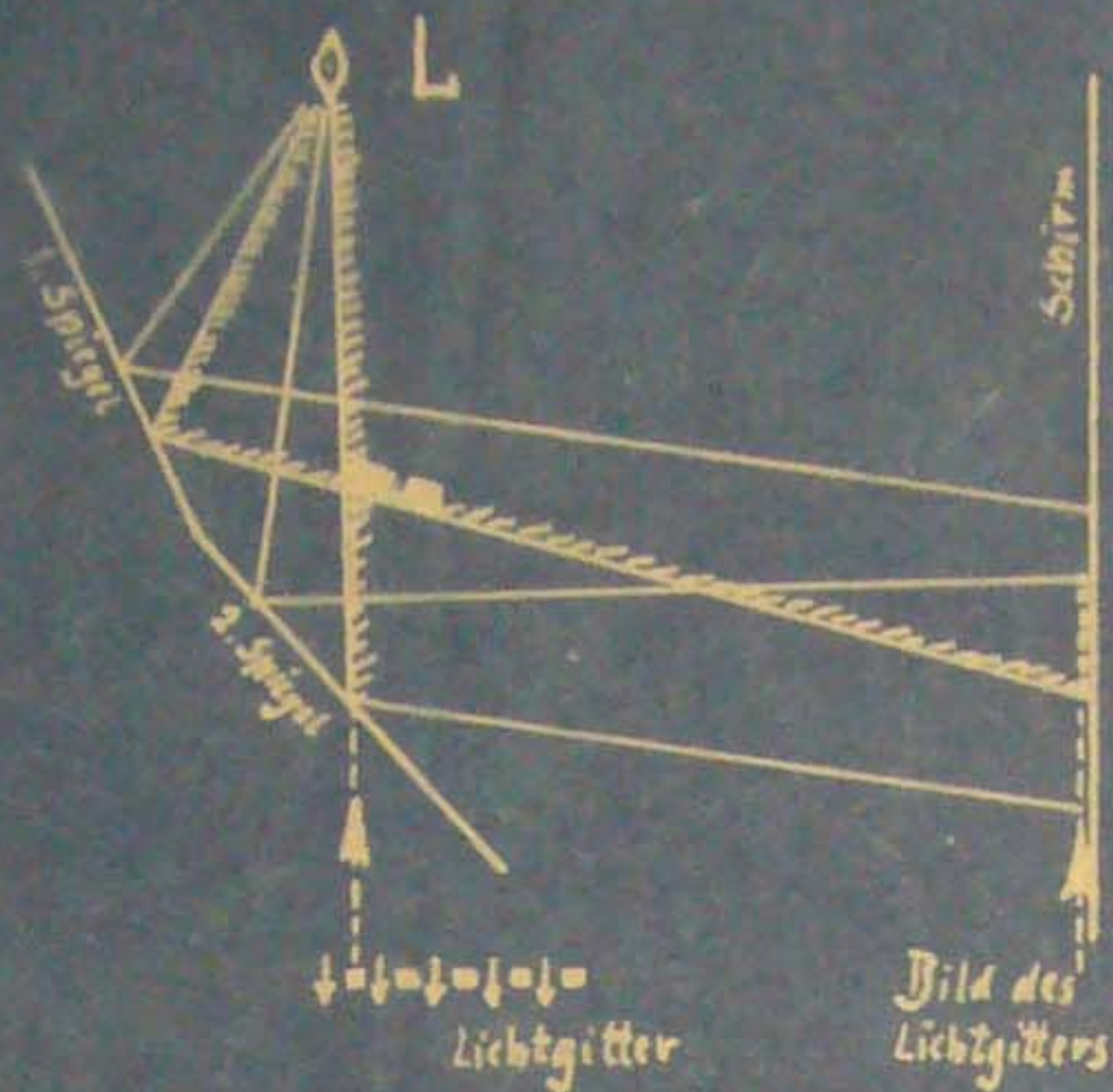
Figur IV, a



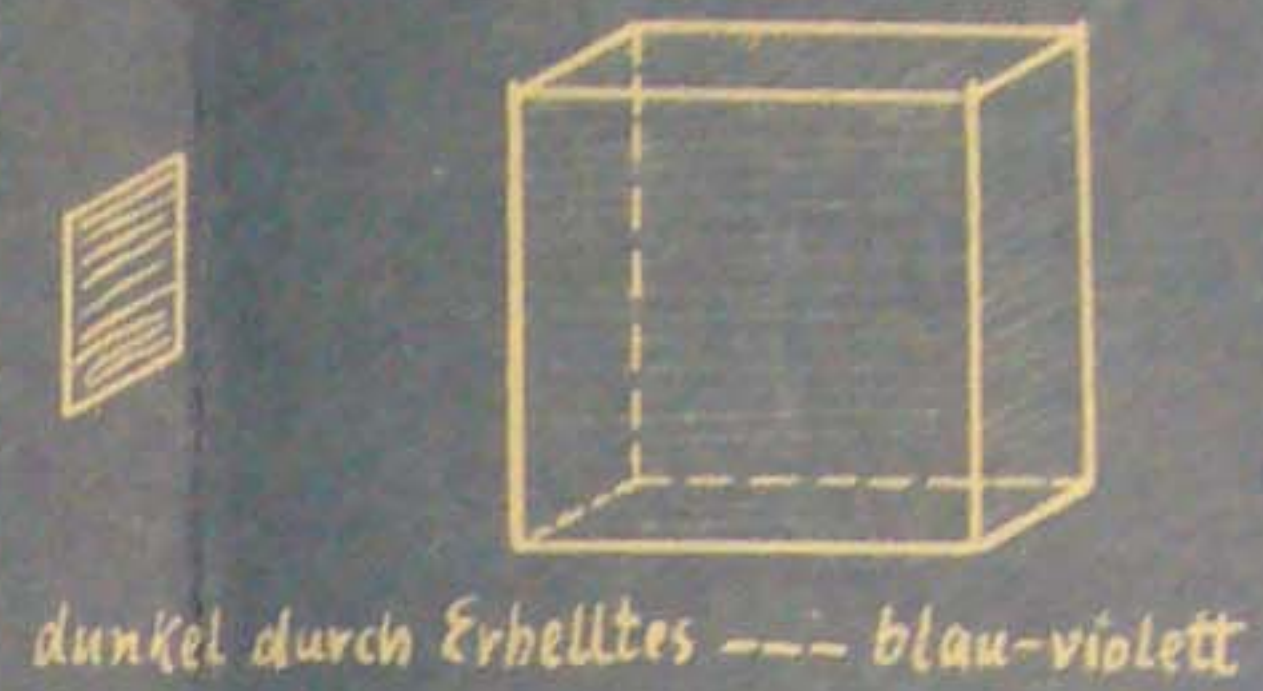
Figur IV, d



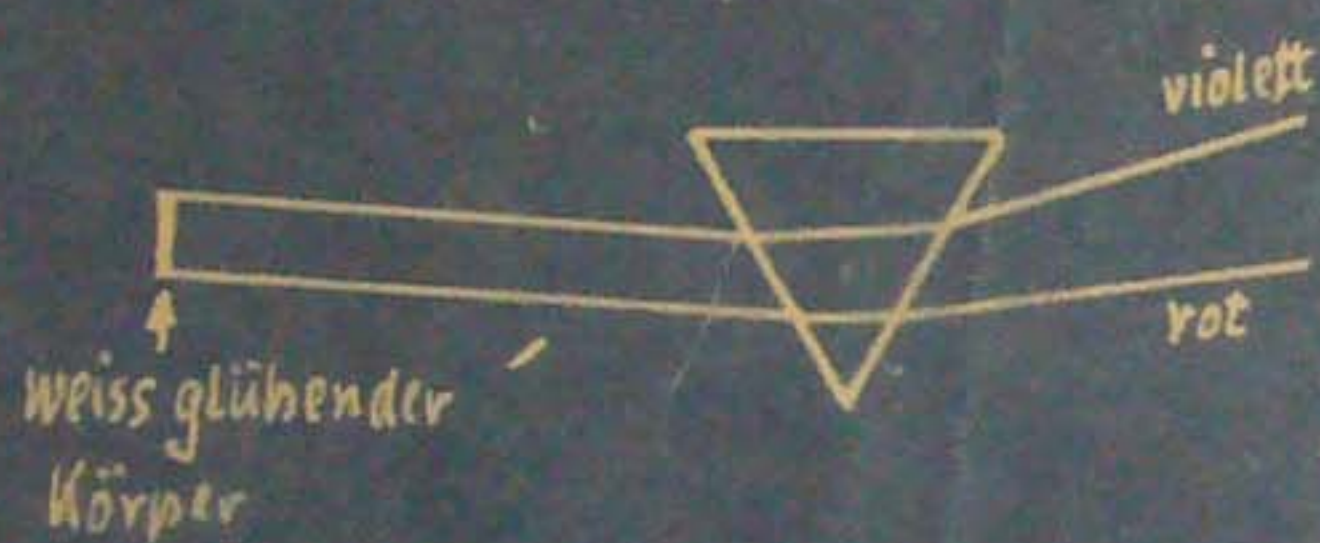
Figur IV, e



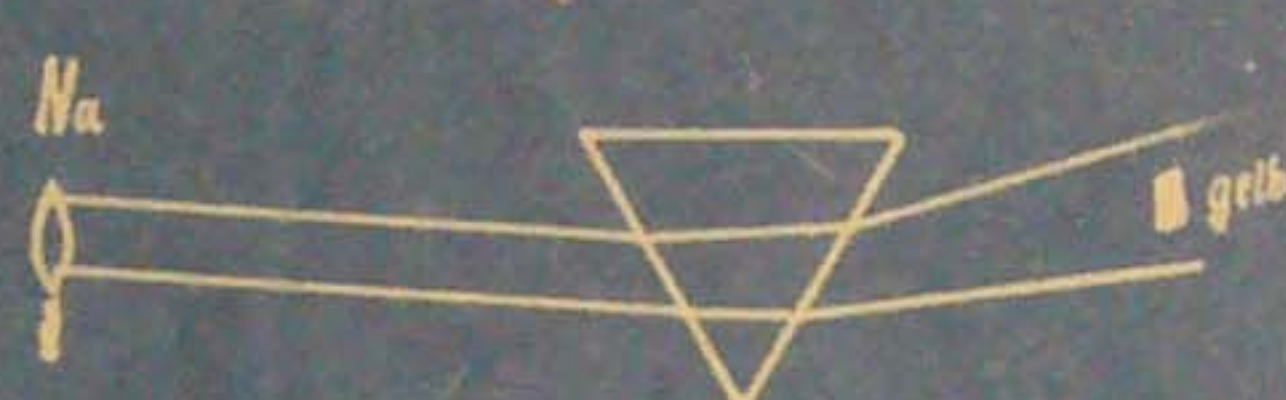
Figur IV, b



Figur IV, f



Figur IV, g



Figur IV, h



Figur IV, i

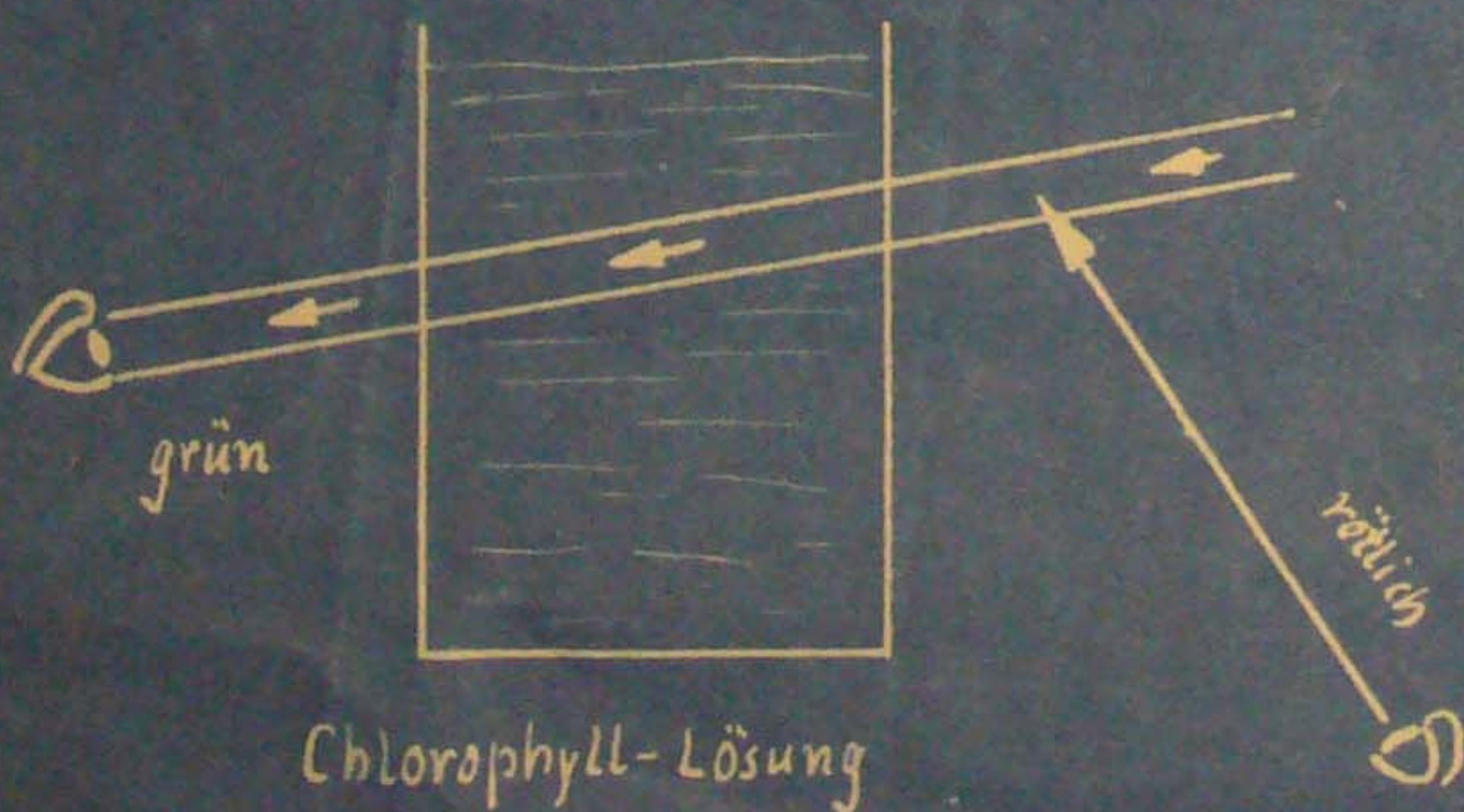


Figur IV, k



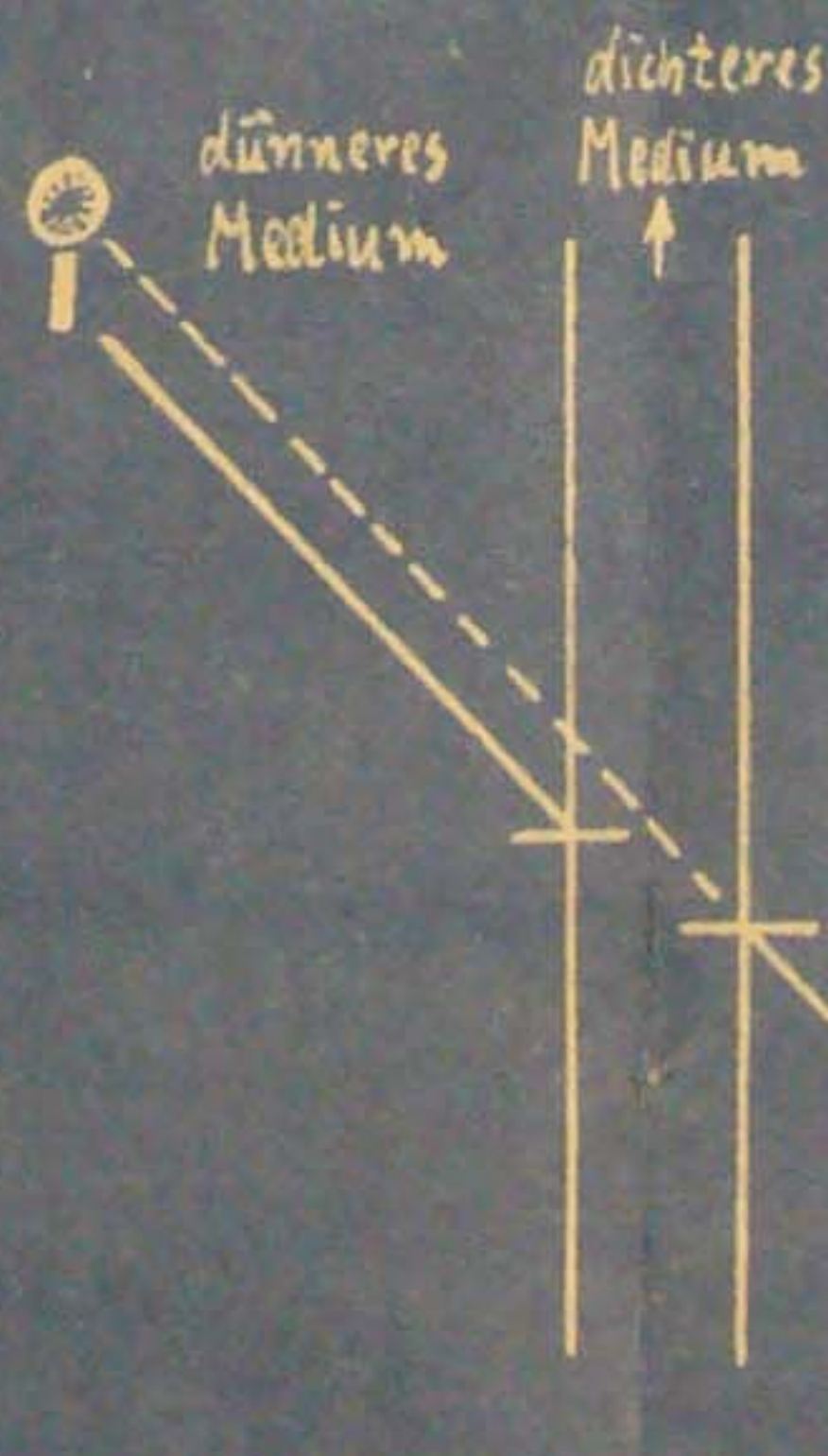
Skizze zum V. Vortrag

Figur V, a



Skizze zum VI. Vortrag

Figur VI, a



Figur VI, b



Figur VI, c

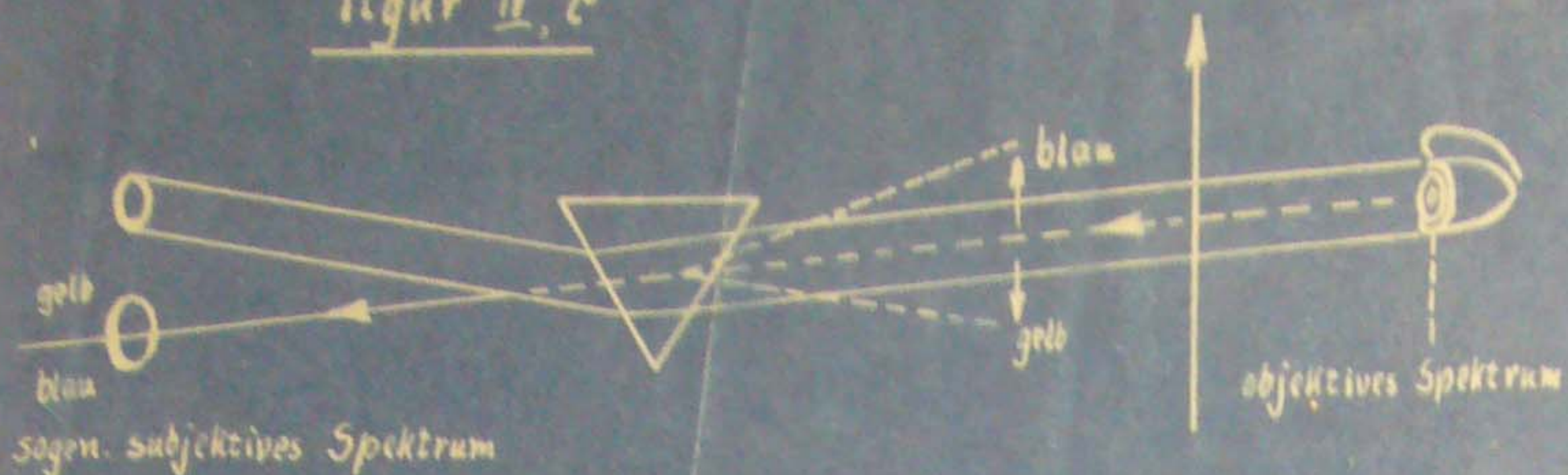


Skizzen zum X. Vortrag

Figur X, a

Skizzen zum IV. Vortrag

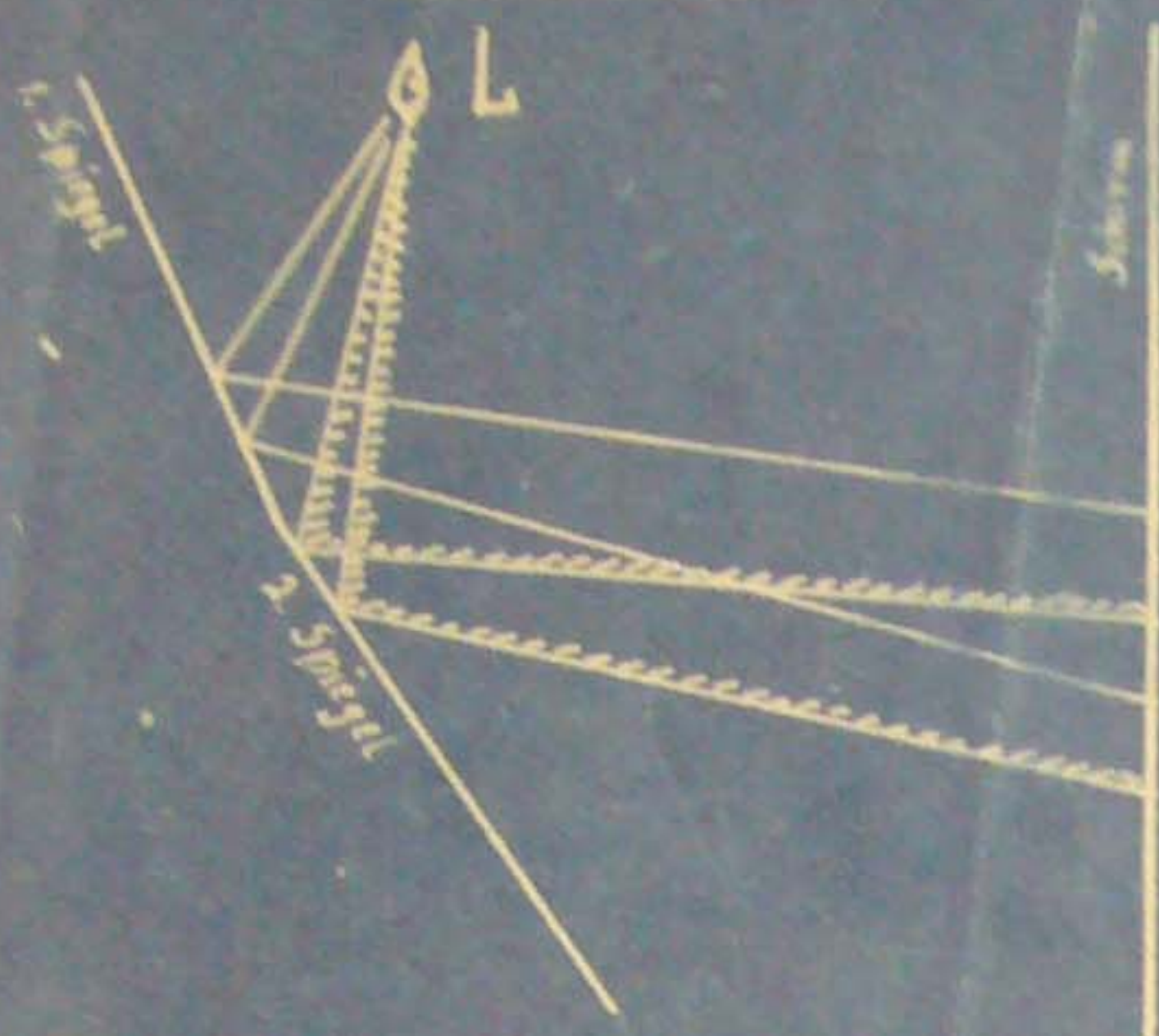
Figur IV, c



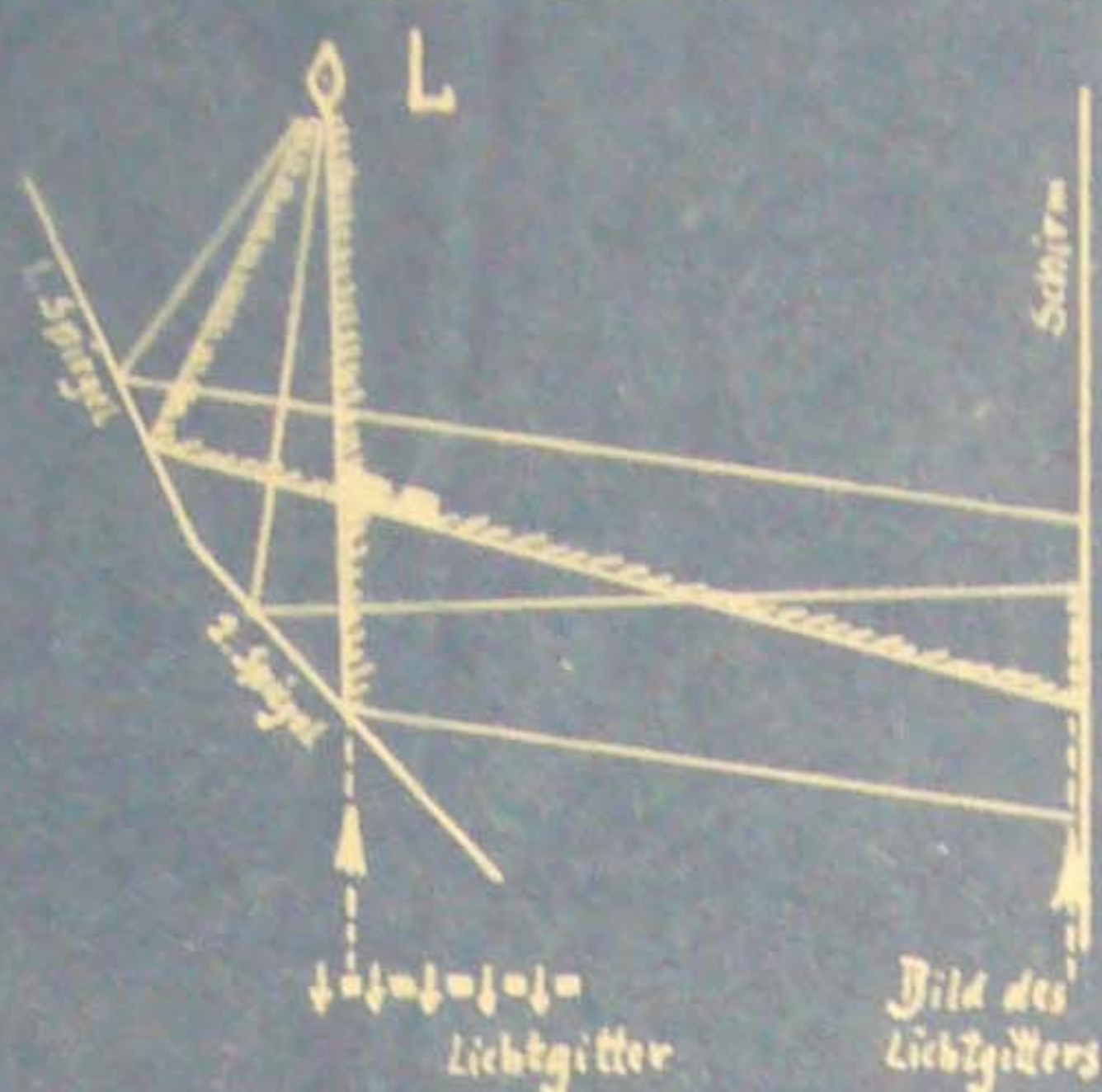
Figur IV, a



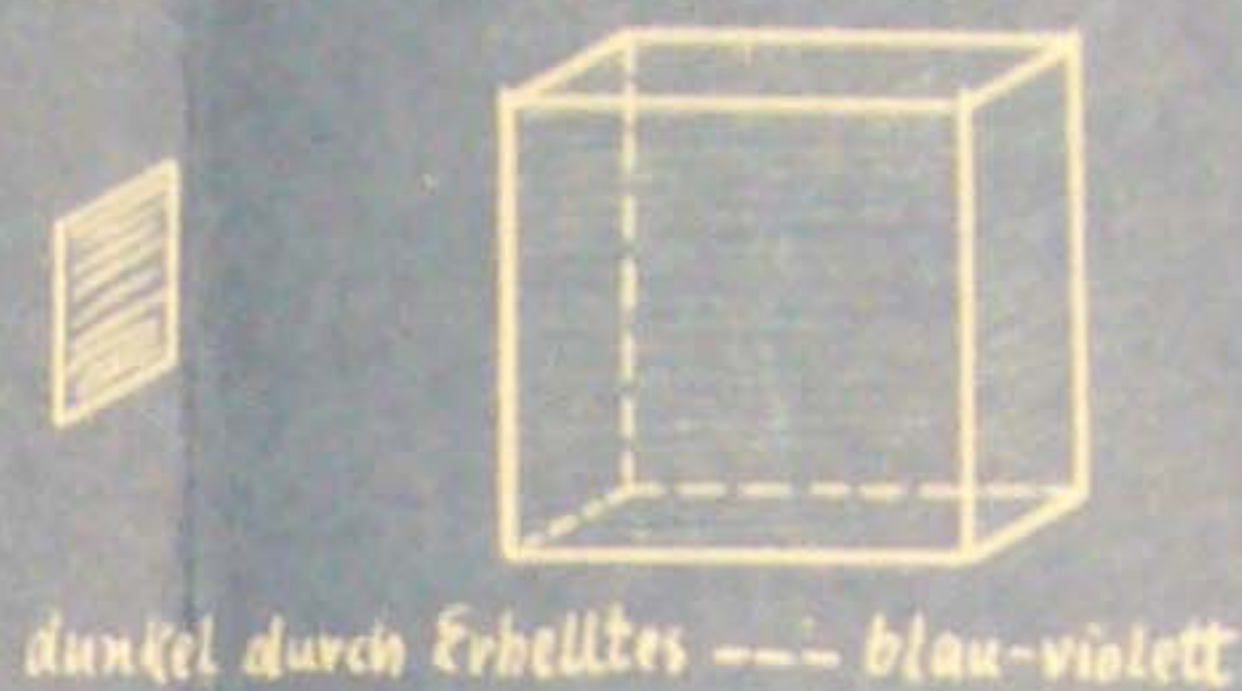
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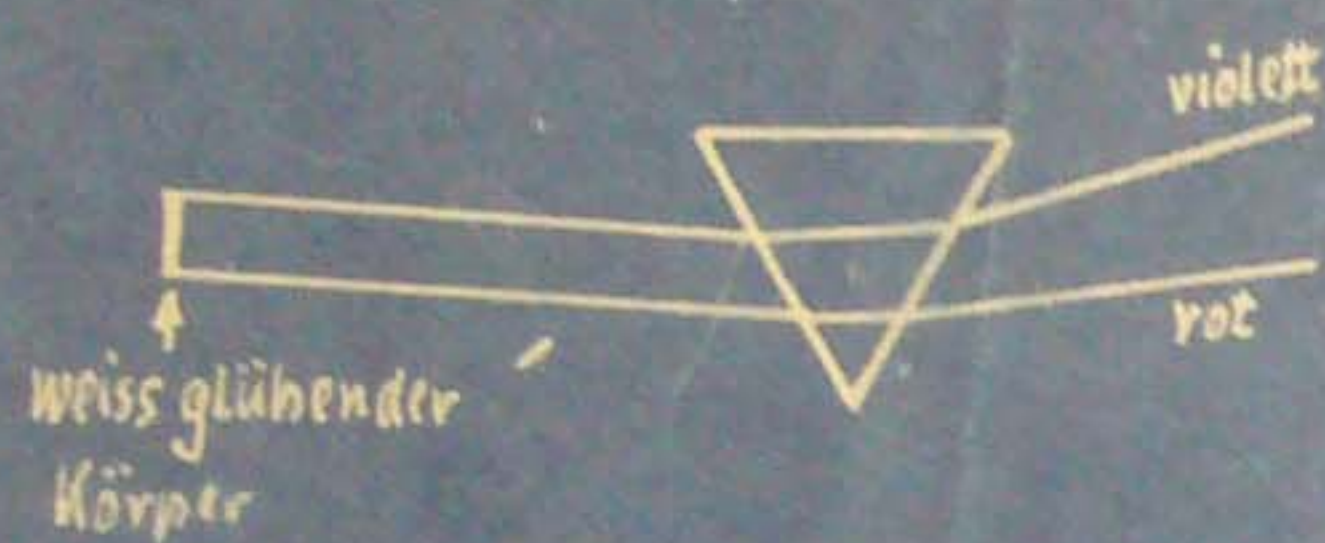
Figur IV, e



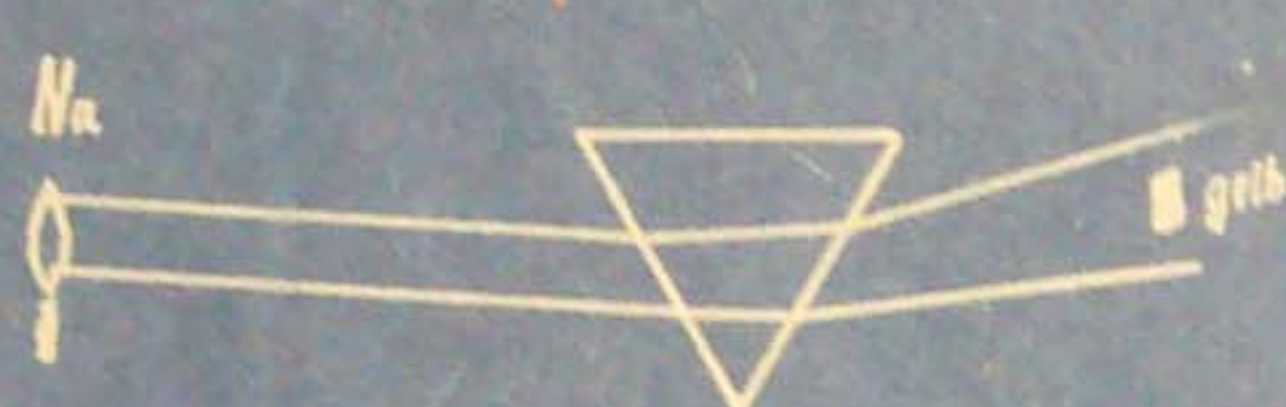
Figur IV, b



Figur IV, f



Figur IV, g



Figur IV, h



Figur IV, i

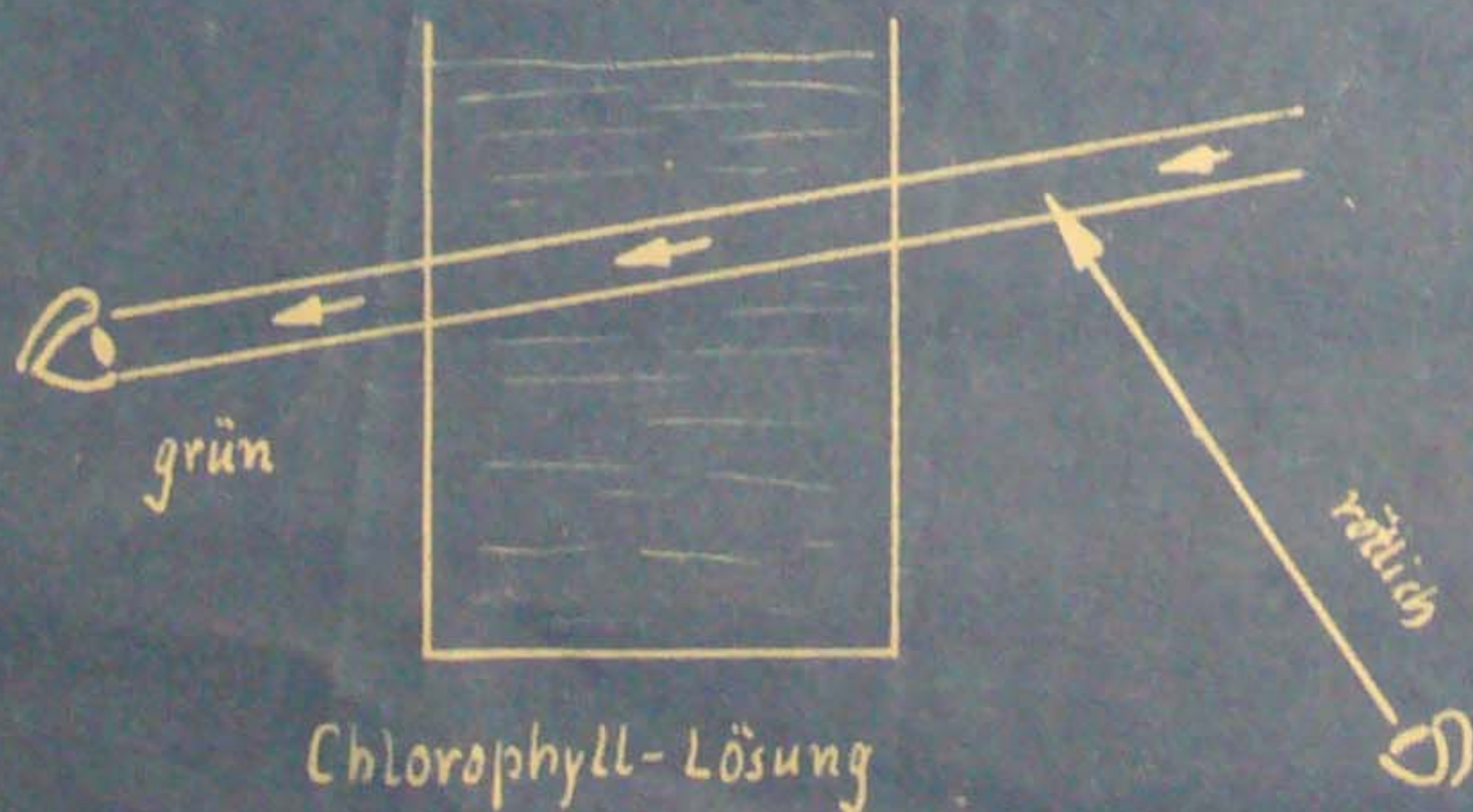


Figur IV, k



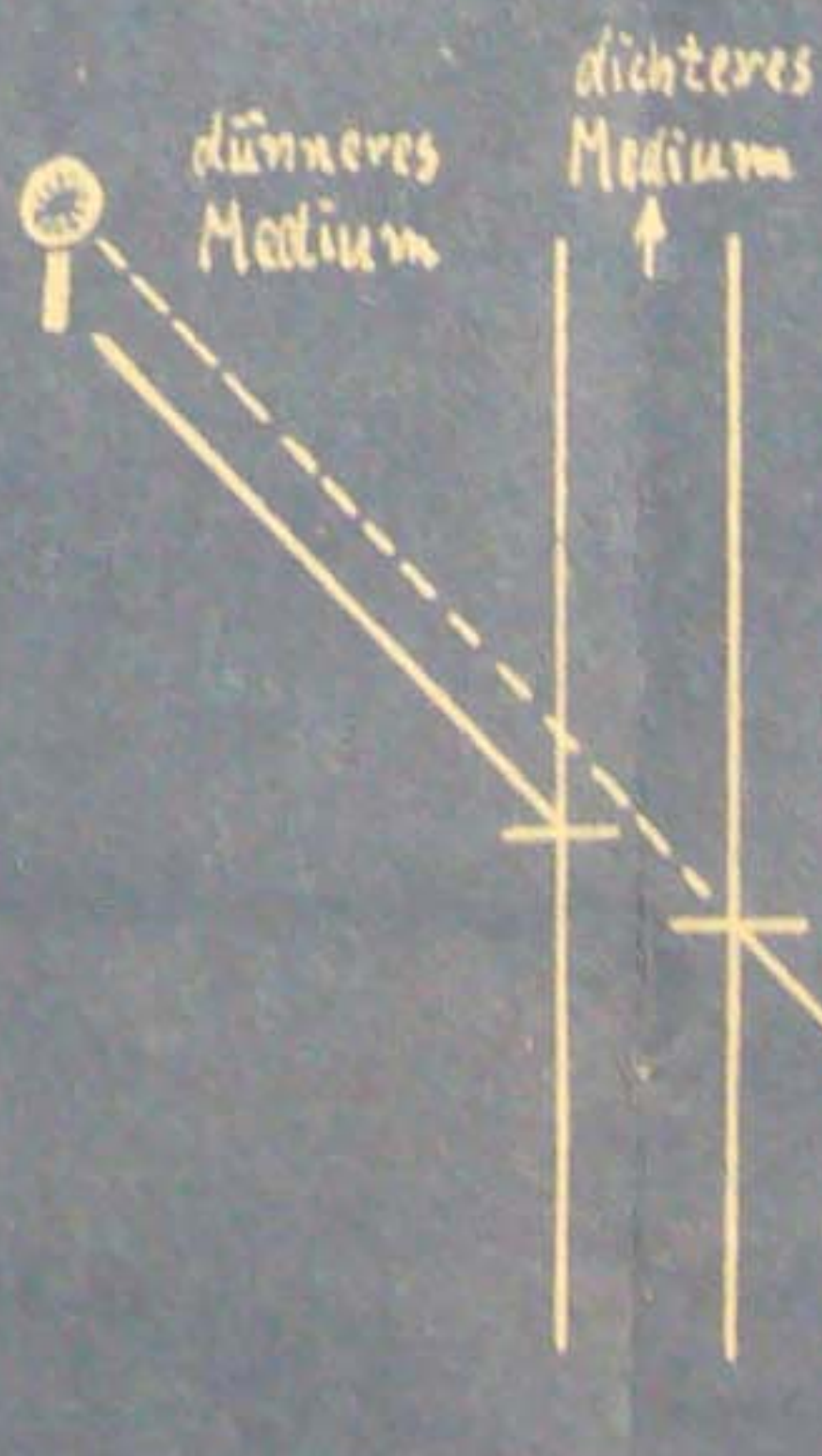
Skizze zum V. Vortrag

Figur V, a



Skizze zum VI. Vortrag

Figur VI, a



Figur VI, b



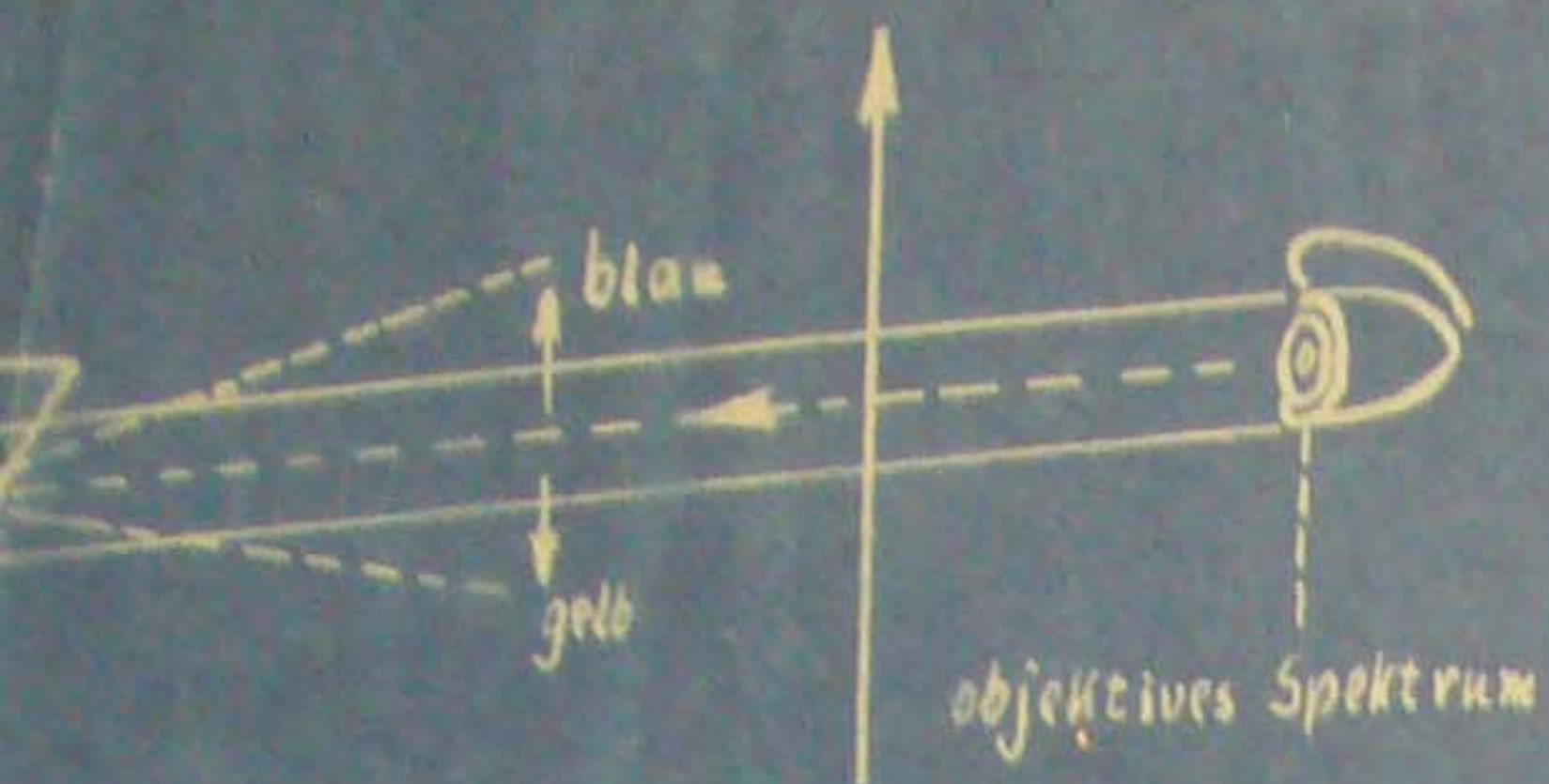
Figur VI, c



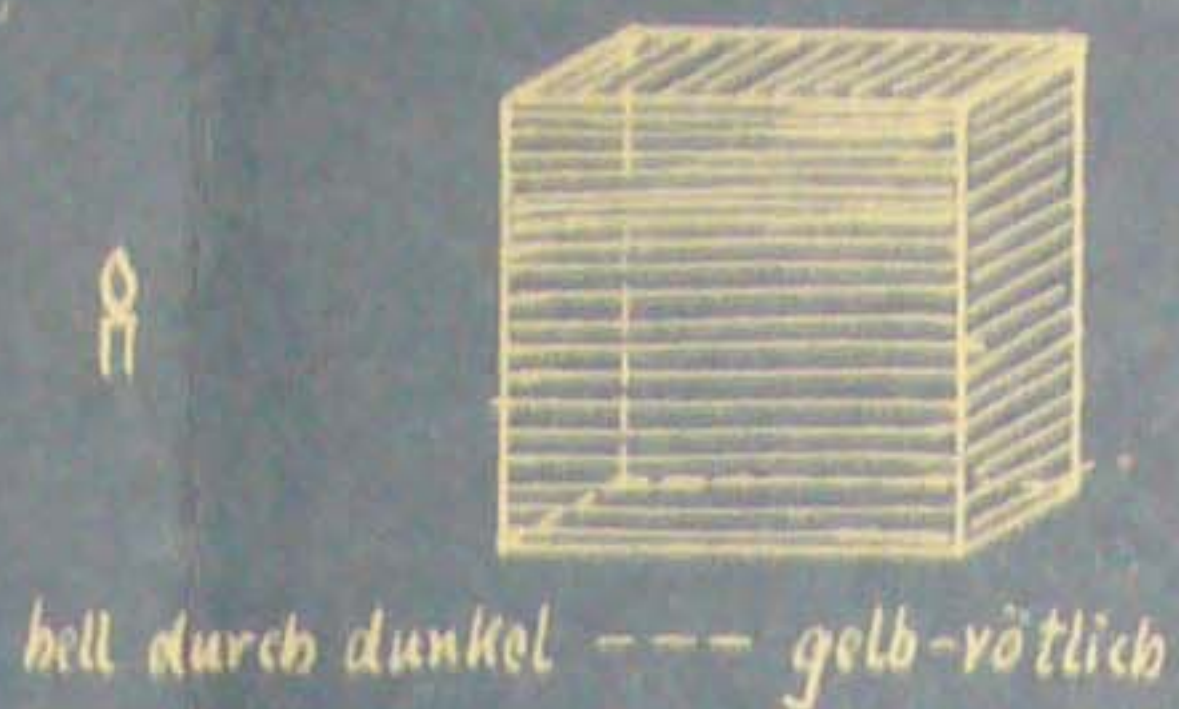
Skizzen zum X. Vortrag

Figur X

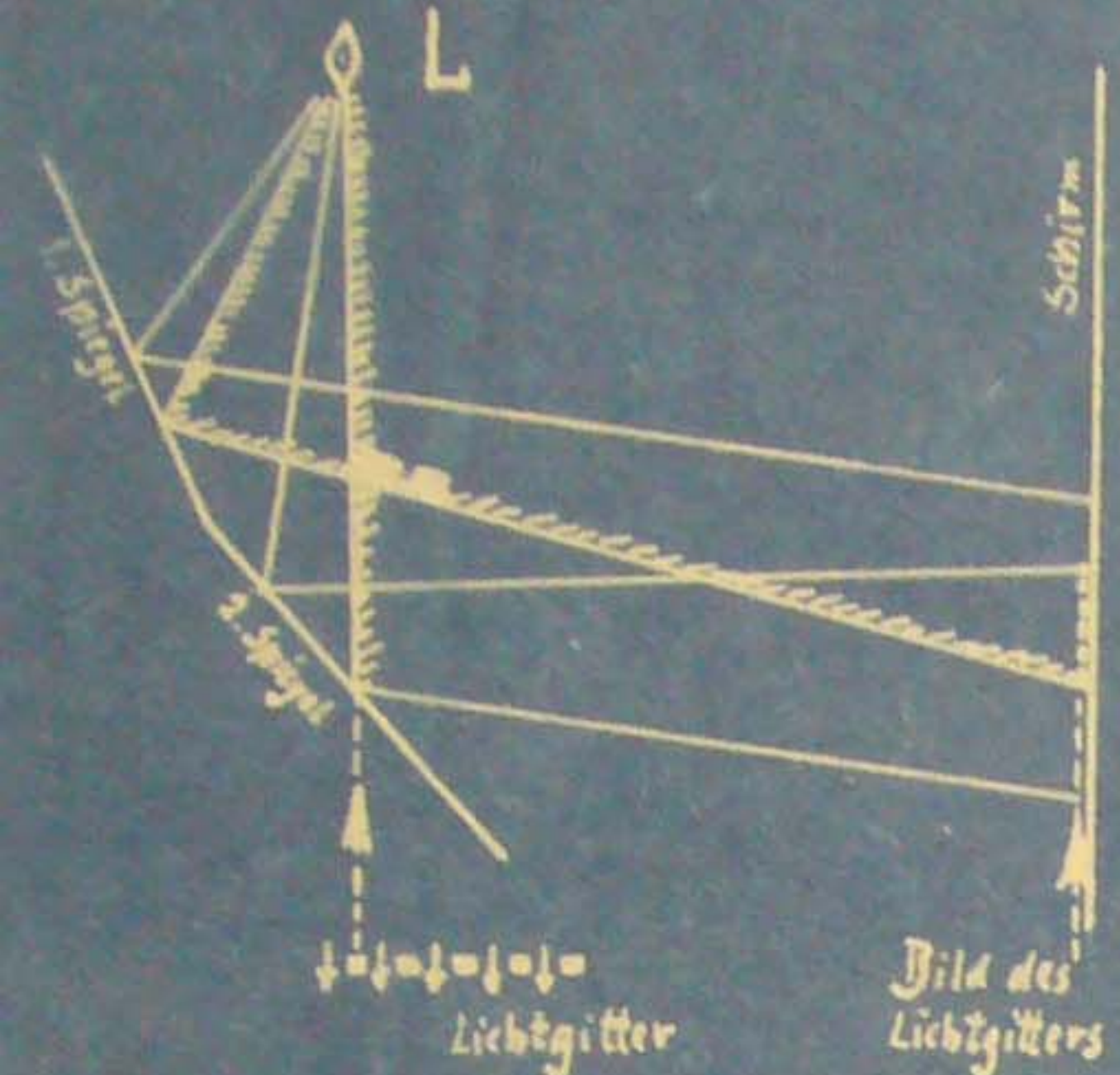
Skizzen zum IV. Vortrag



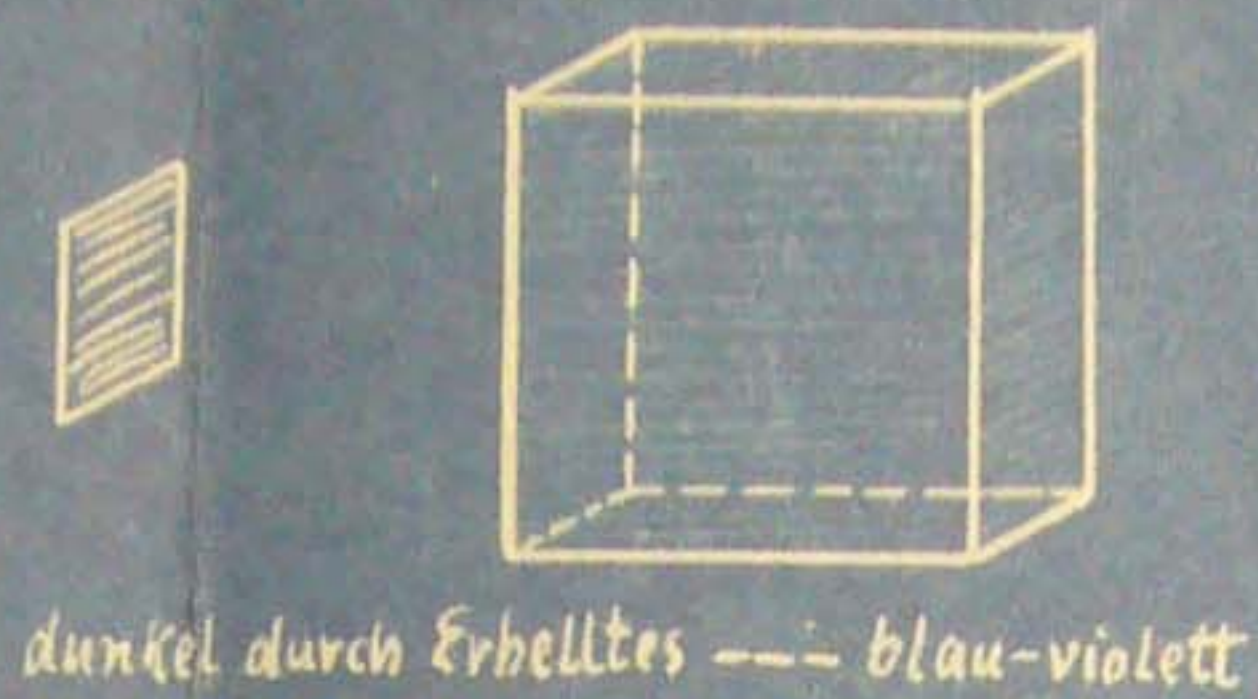
Figur IV, a



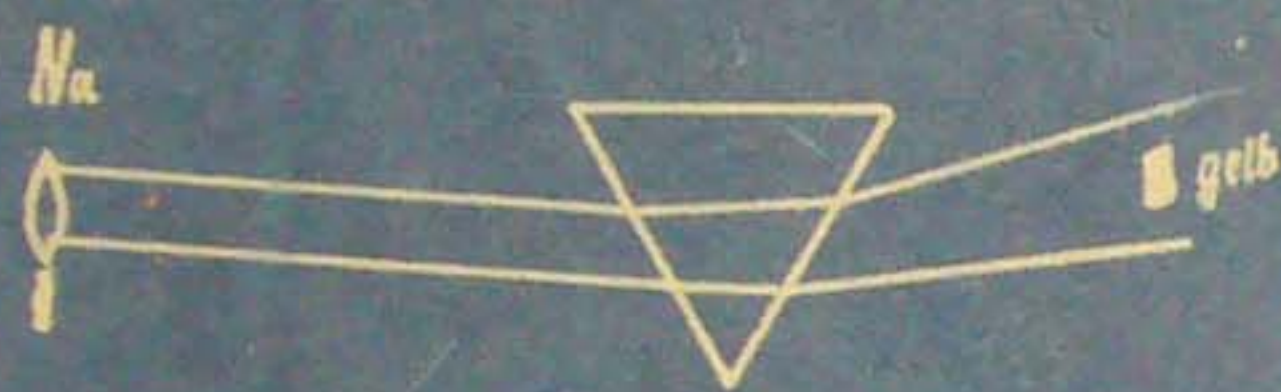
Figur IV, e



Figur IV, b



Figur IV, g



Figur IV, h

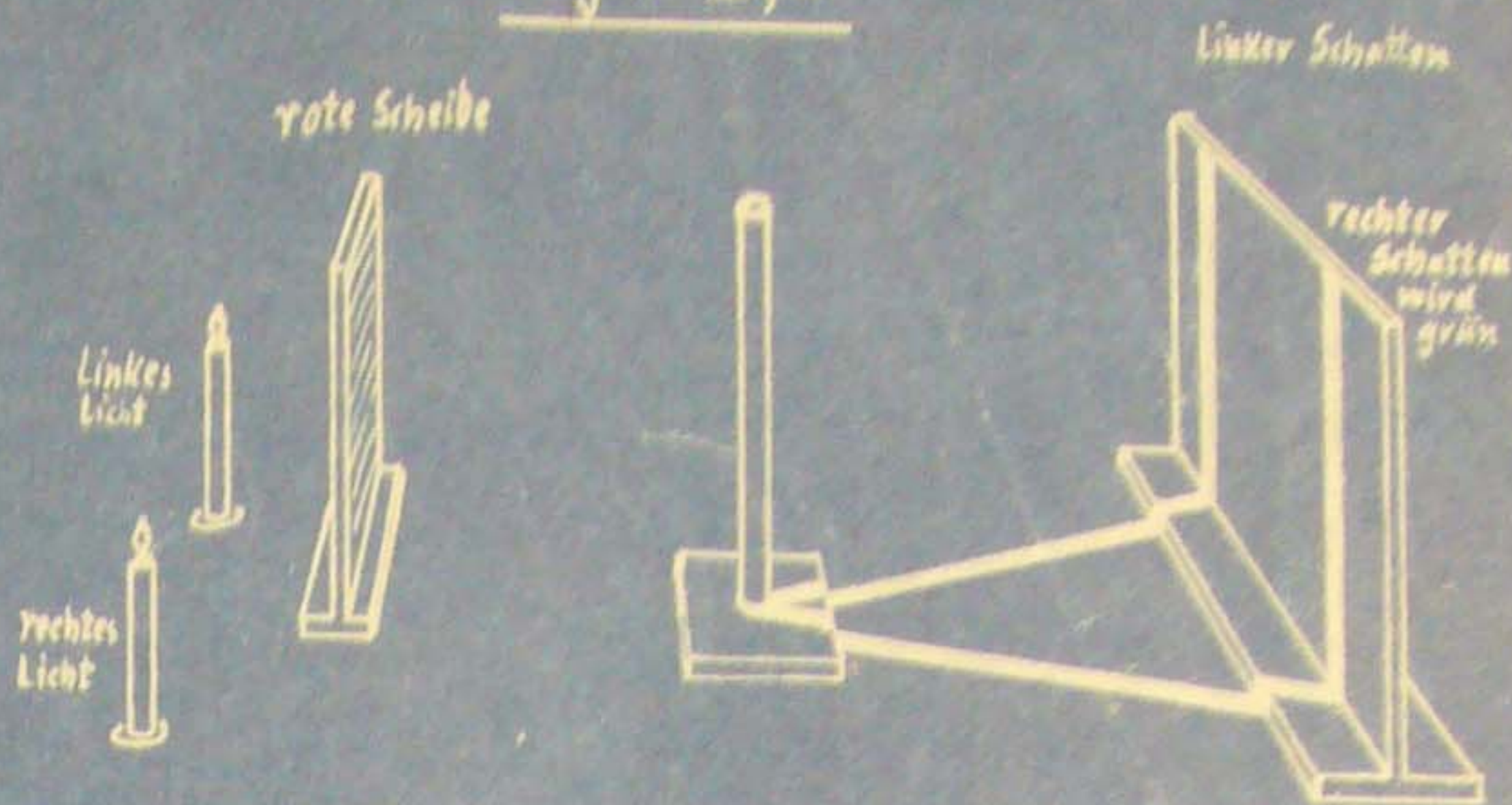


Figur IV, k



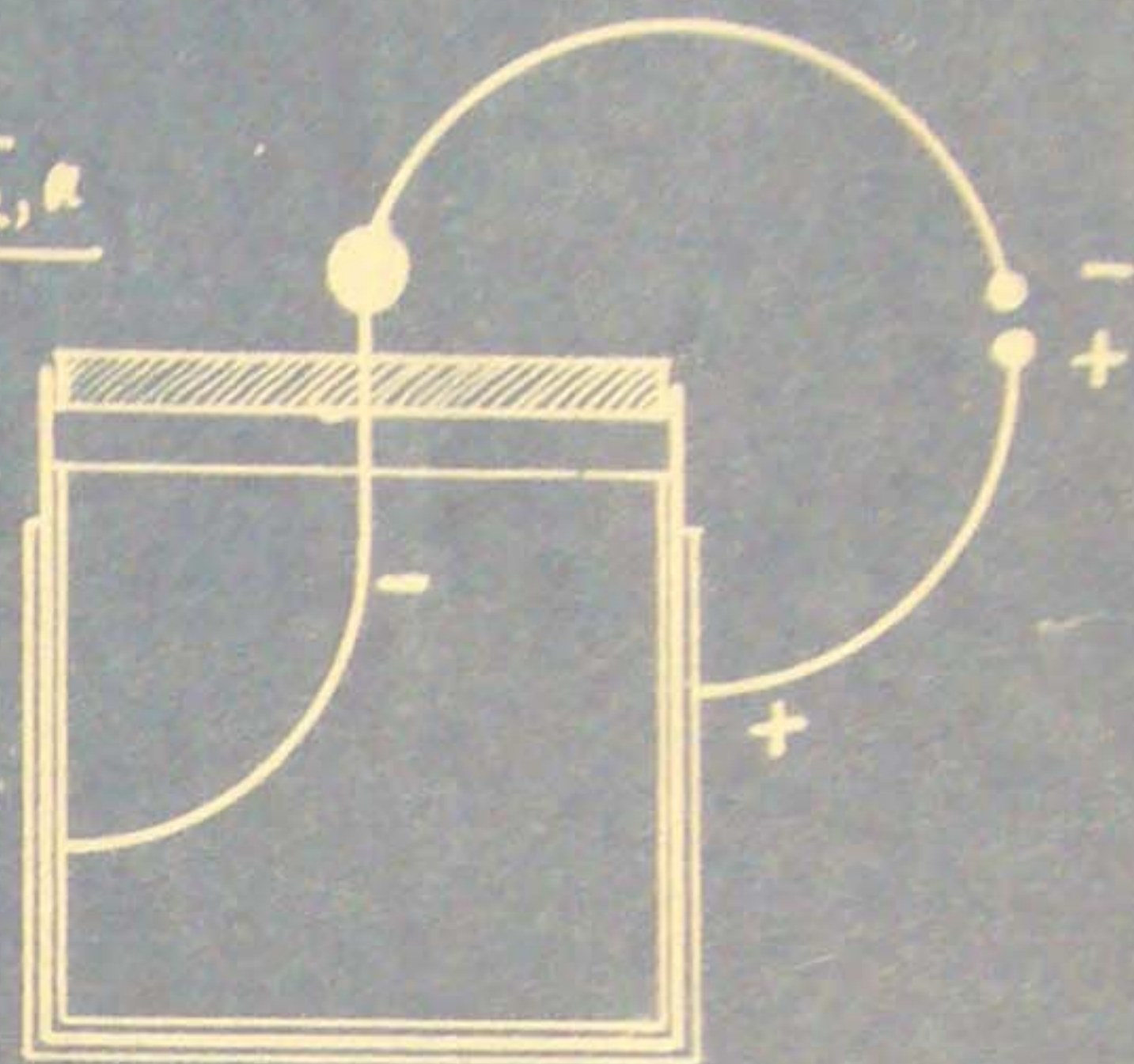
Experiment zum VII. Vortrag (Nachzeichnung)

Figur VII, a



Skizzen zum IX. Vortrag

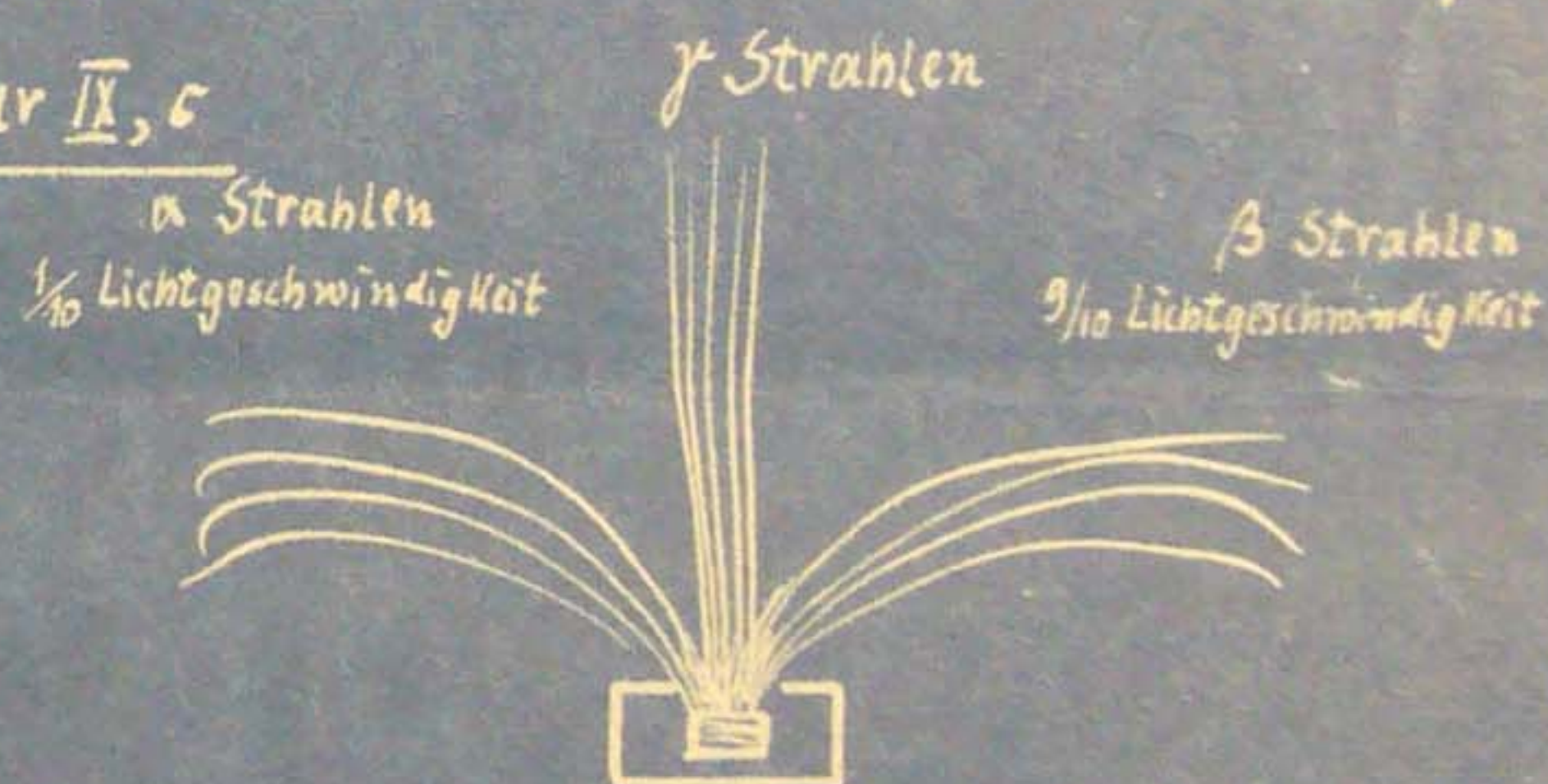
Figur IX, a



Figur IX, b

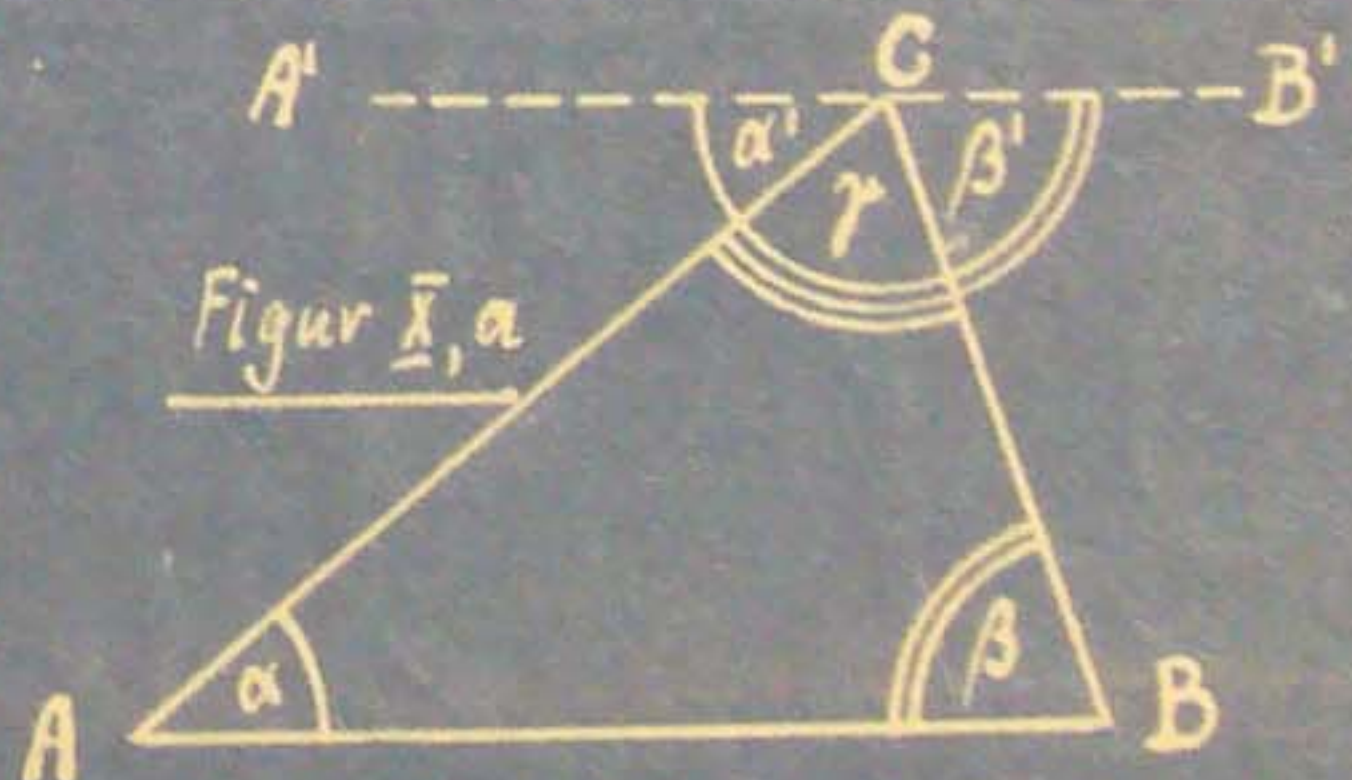


Figur IX, c



Skizzen zum X. Vortrag

Figur X, a



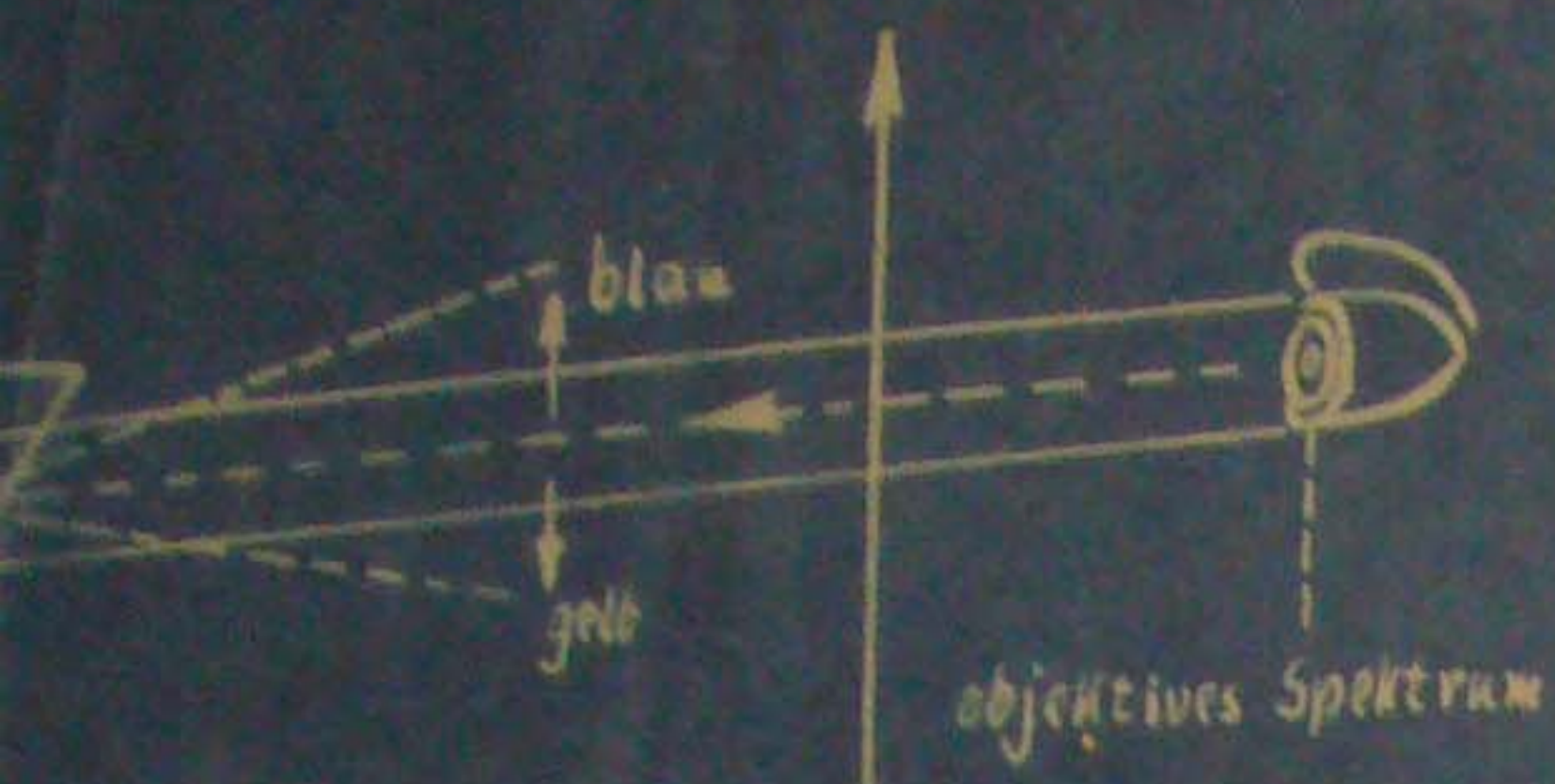
Figur X, b



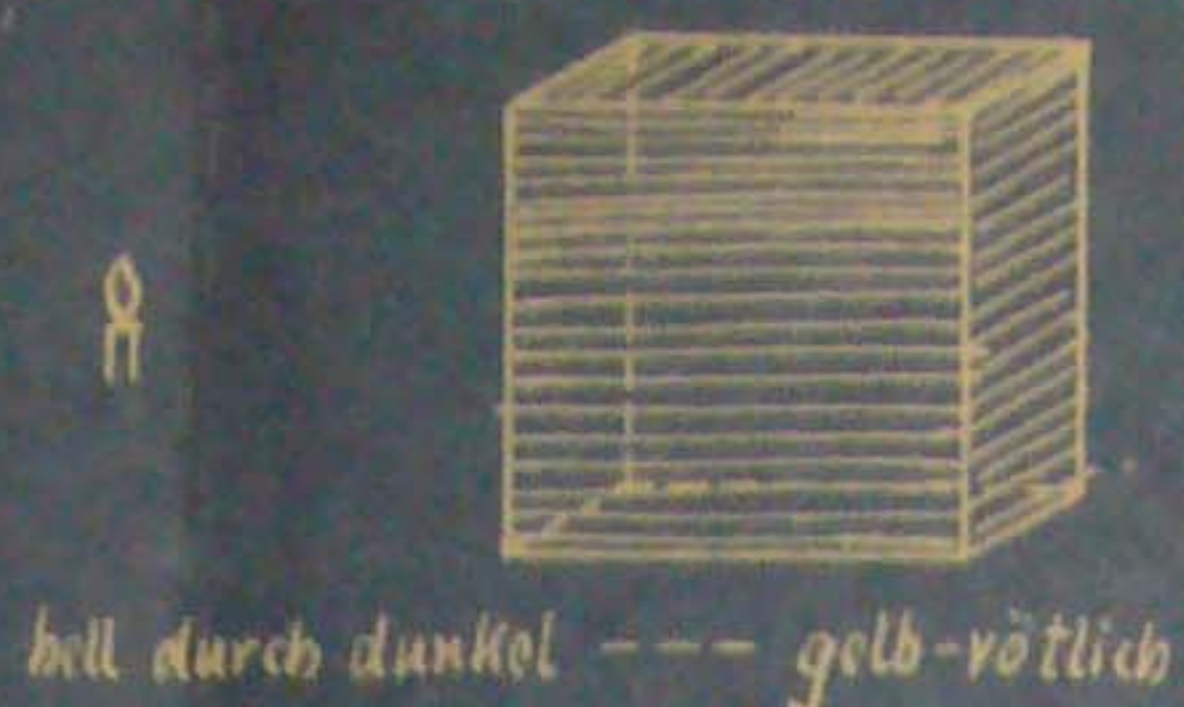
Figur X, c



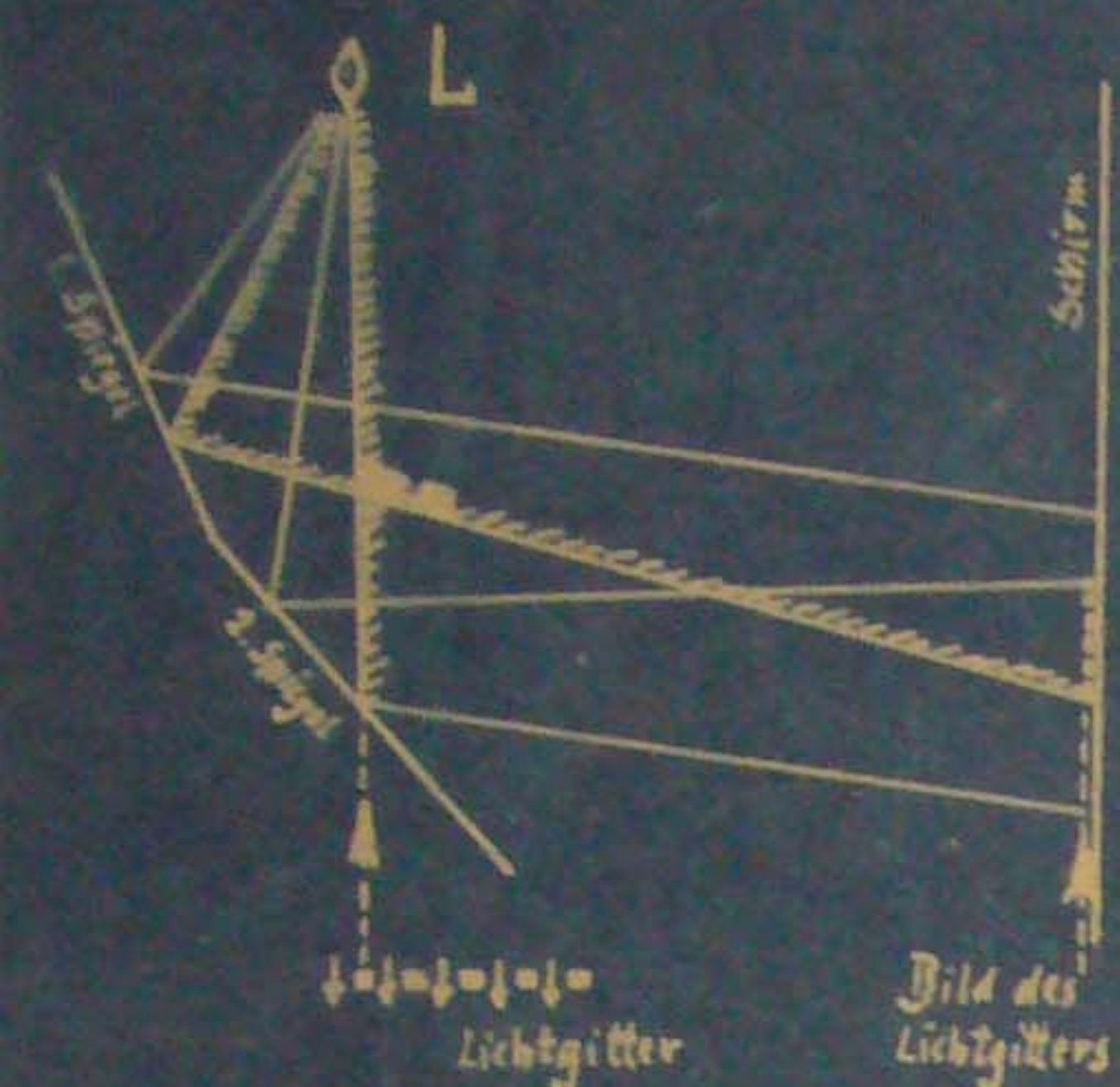
Skizzen zum IV. Vortrag



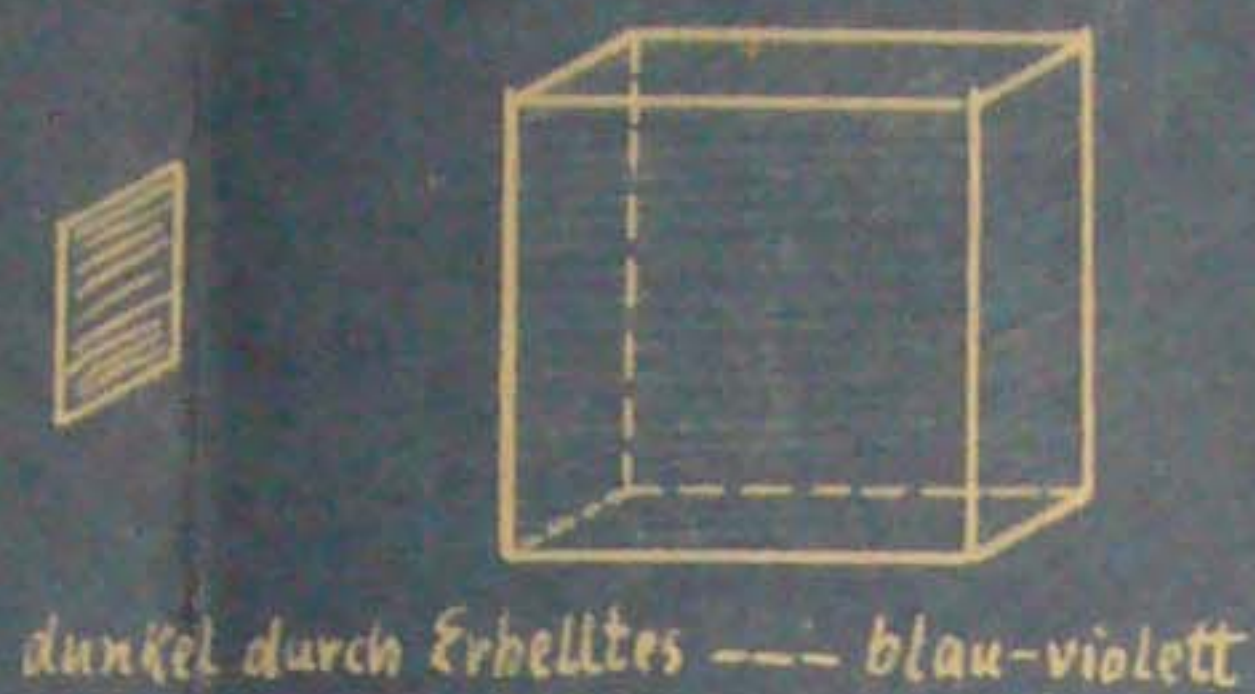
Figur IV, a



Figur IV, c



Figur IV, b



Figur IV, g



Figur IV, h



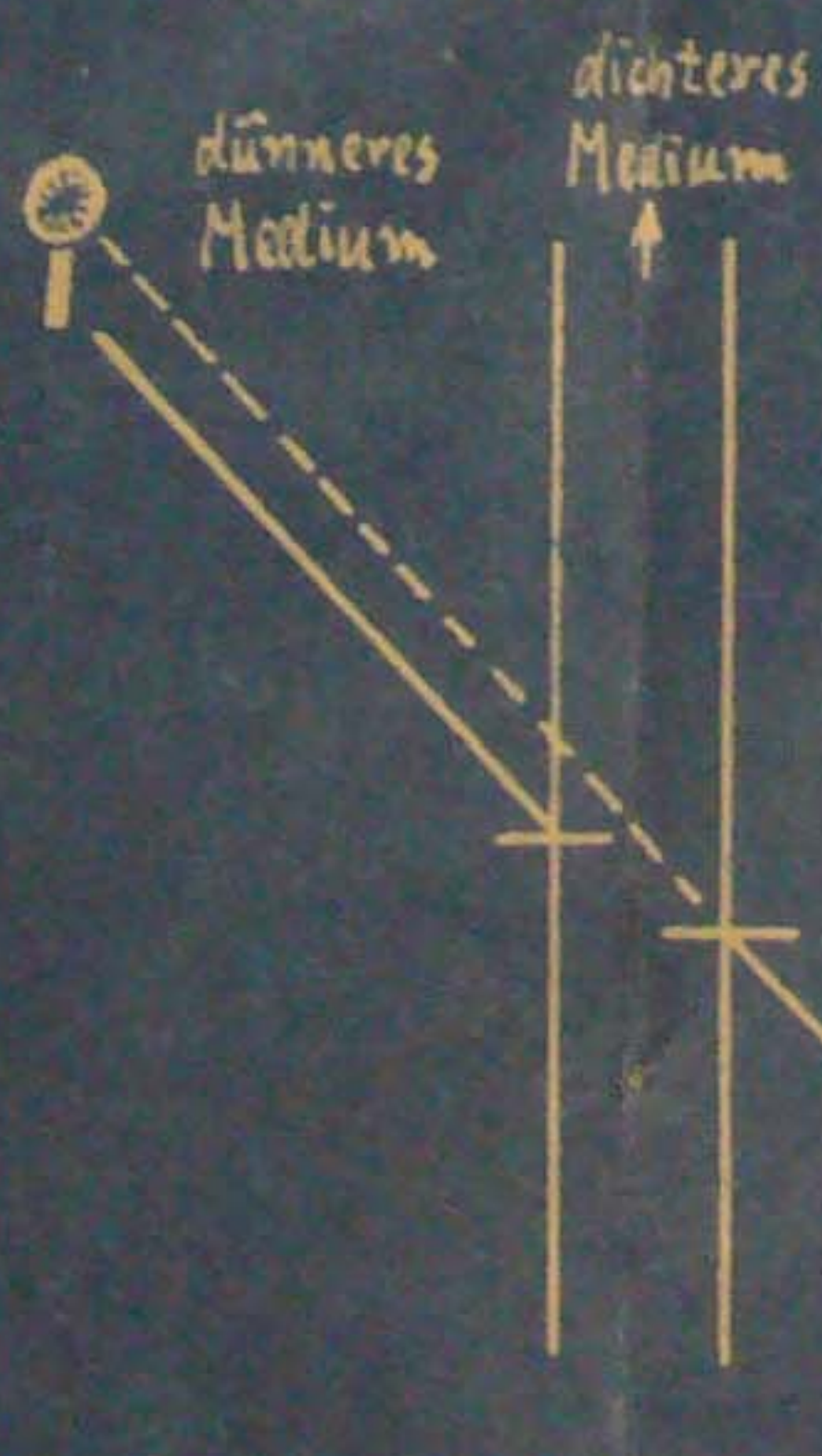
Figur IV, k



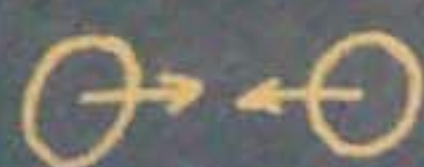
rag

Skizze zum VI. Vortrag

Figur VI, a



Figur VI, b

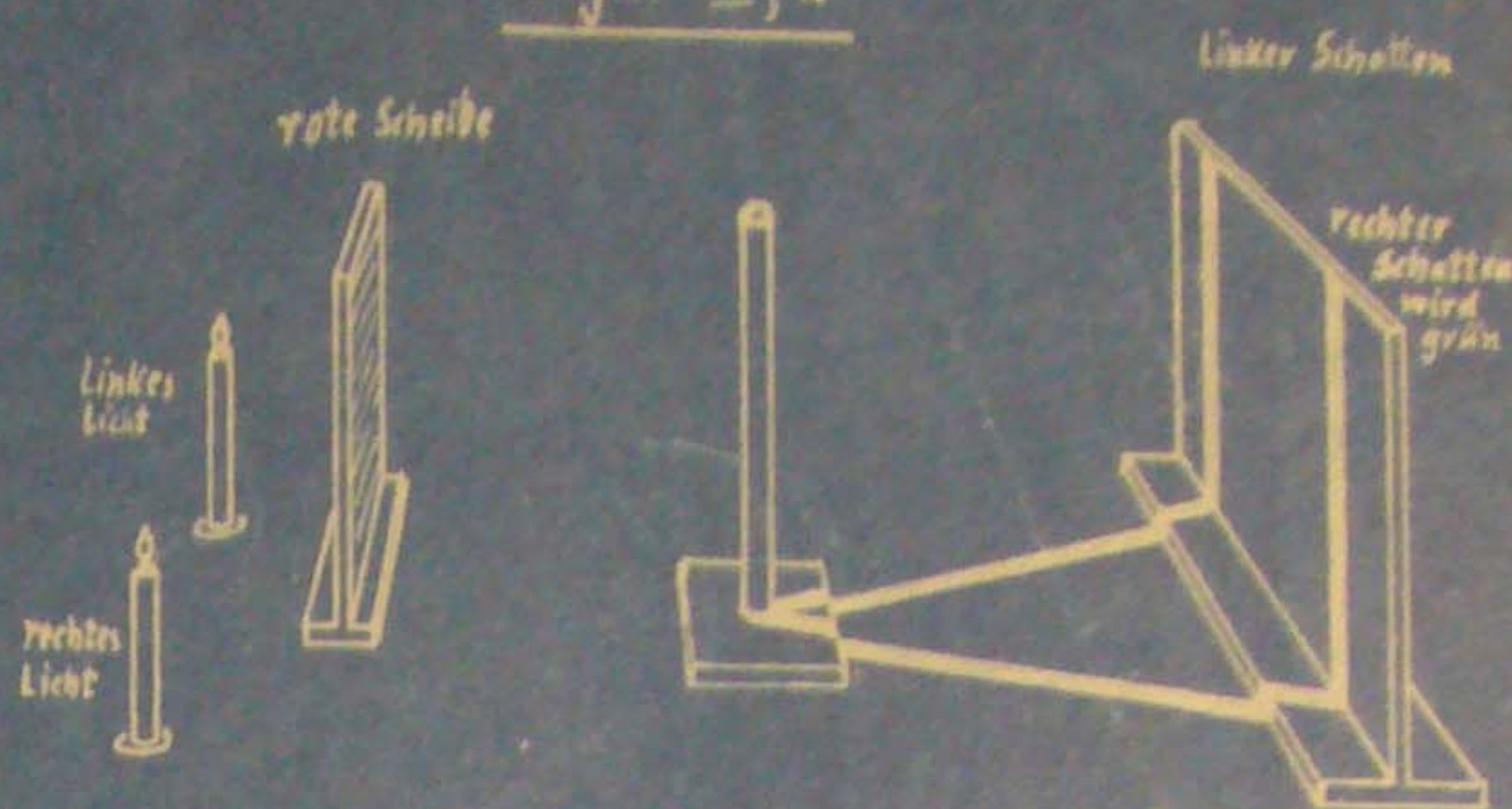


Figur VI, c



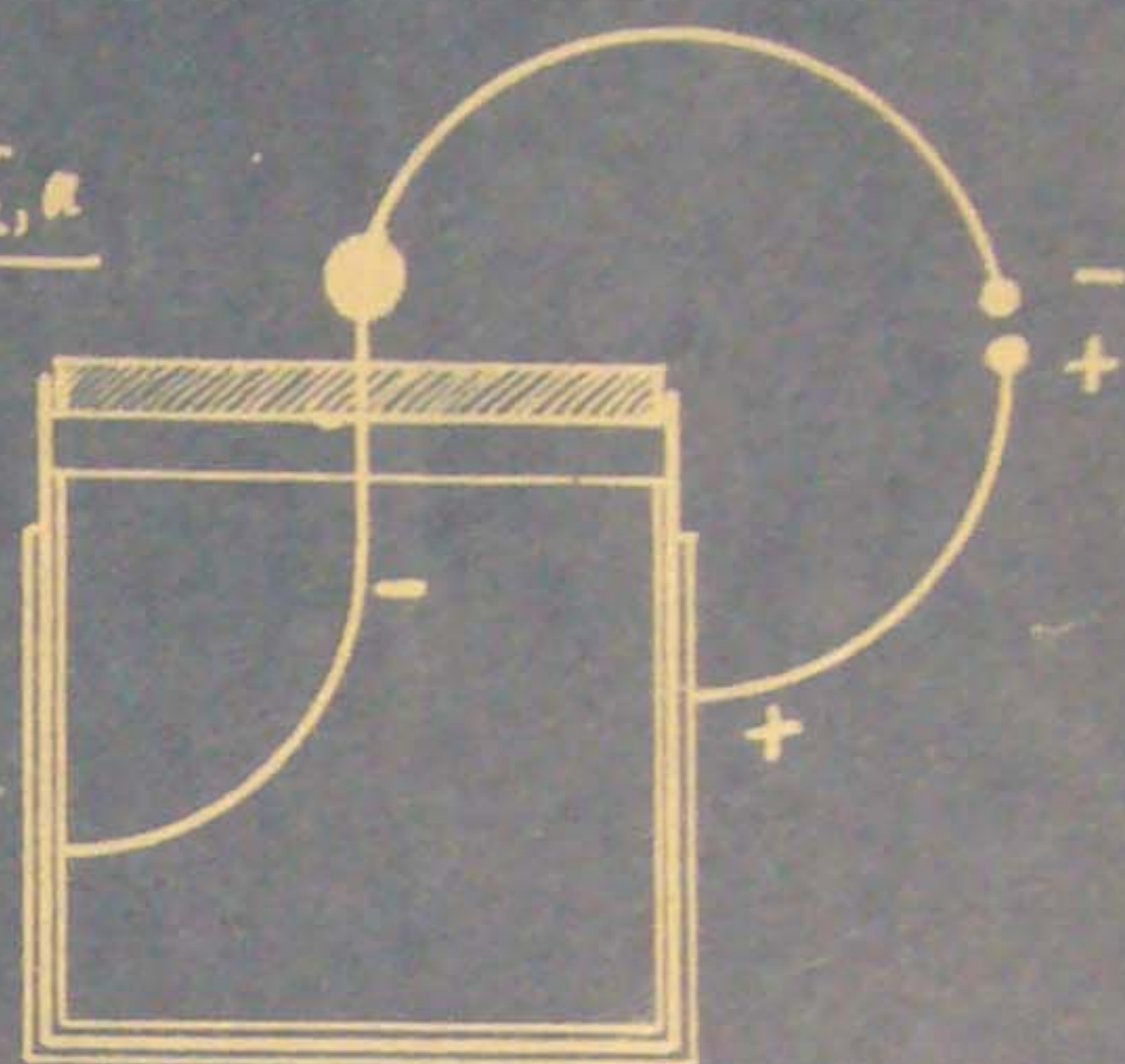
Experiment zum VII. Vortrag (Nachzeichnung)

Figur VII, a



Skizzen zum IX. Vortrag

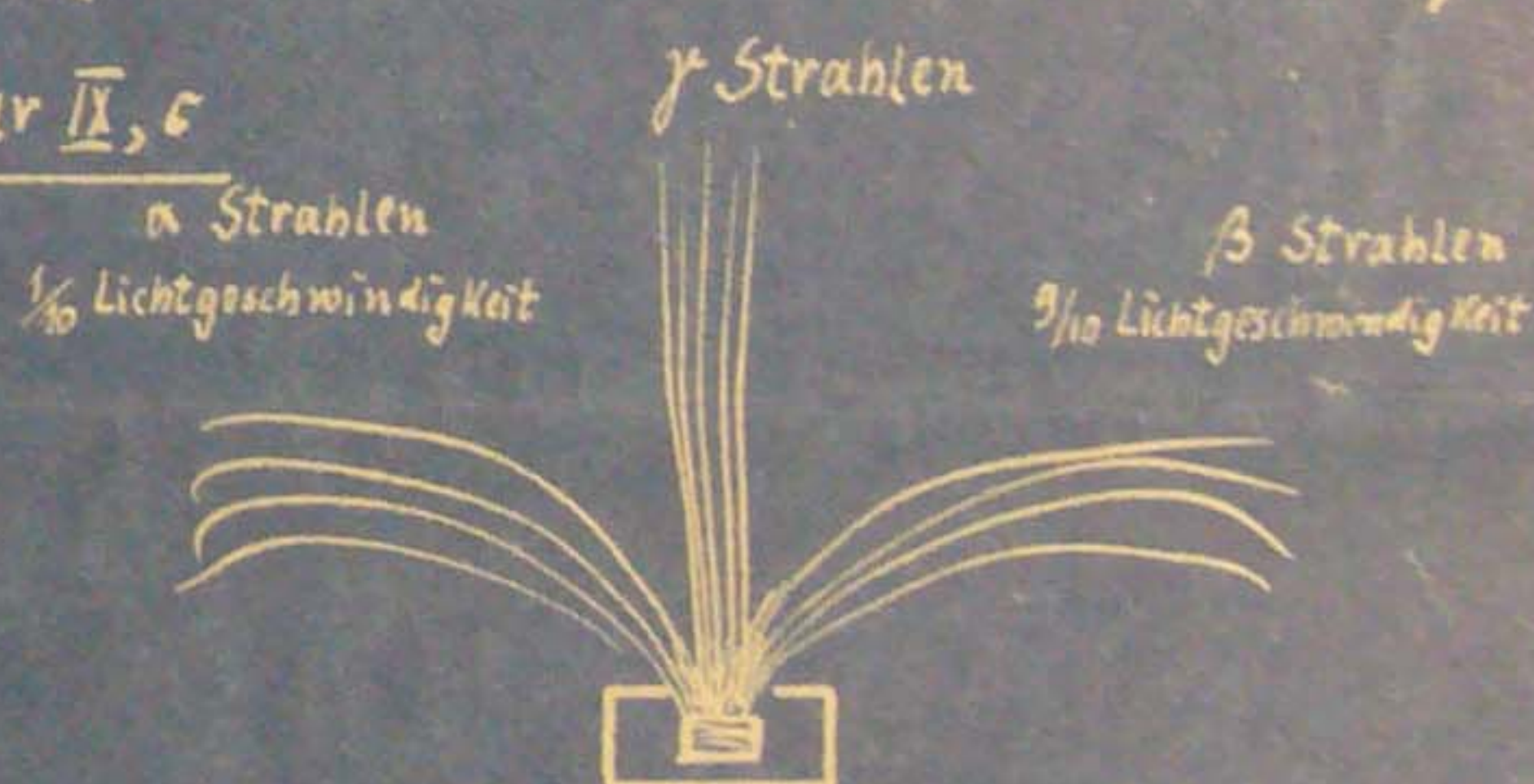
Figur IX, a



Figur IX, b

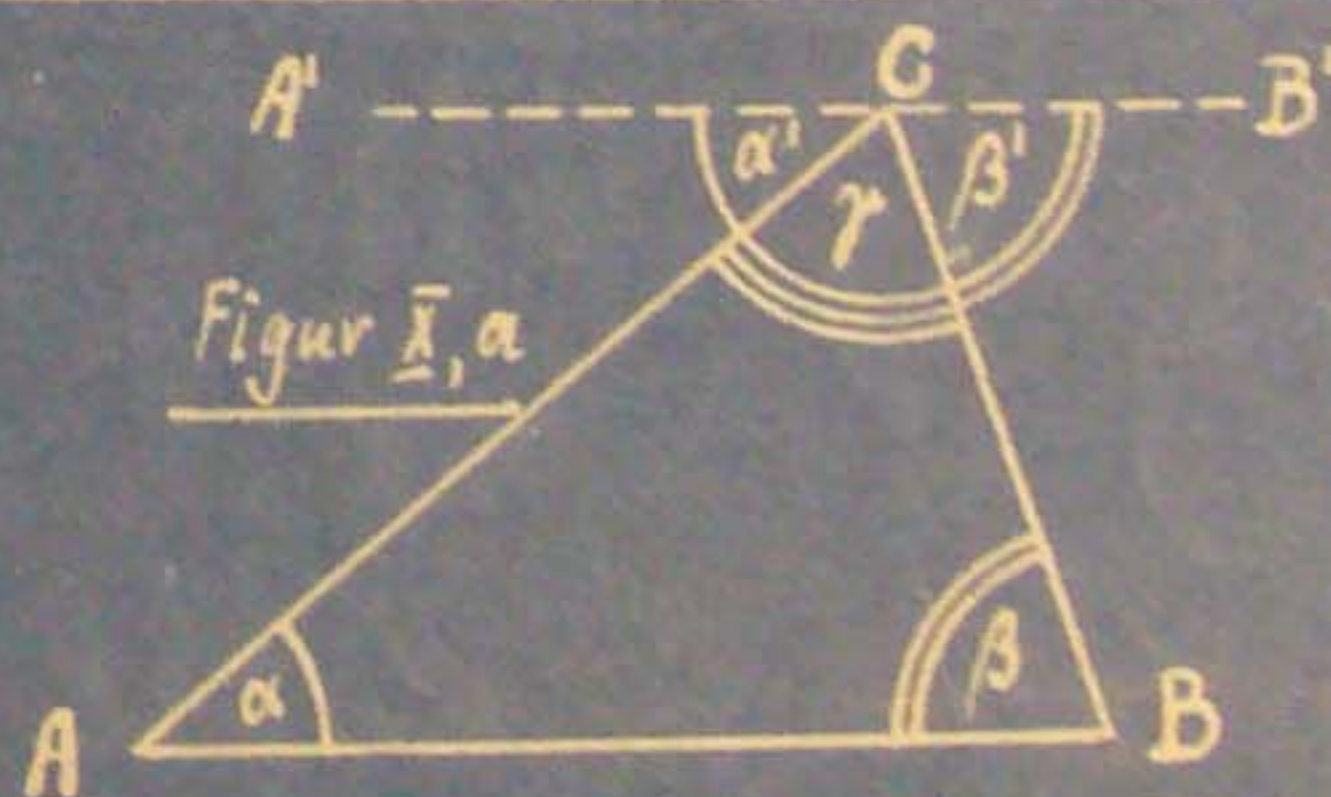


Figur IX, c



Skizzen zum X. Vortrag

Figur X, a



Figur X, b



Figur X, c



Skizzen zum I. Vortrag

Figure I. a
Bewegungsgesetze
Phoronomik



Figure I. b
Bewegungsgesetze
Phoronomik



Skizzen zum II. Vortrag

Figure I. a



Figure I. b

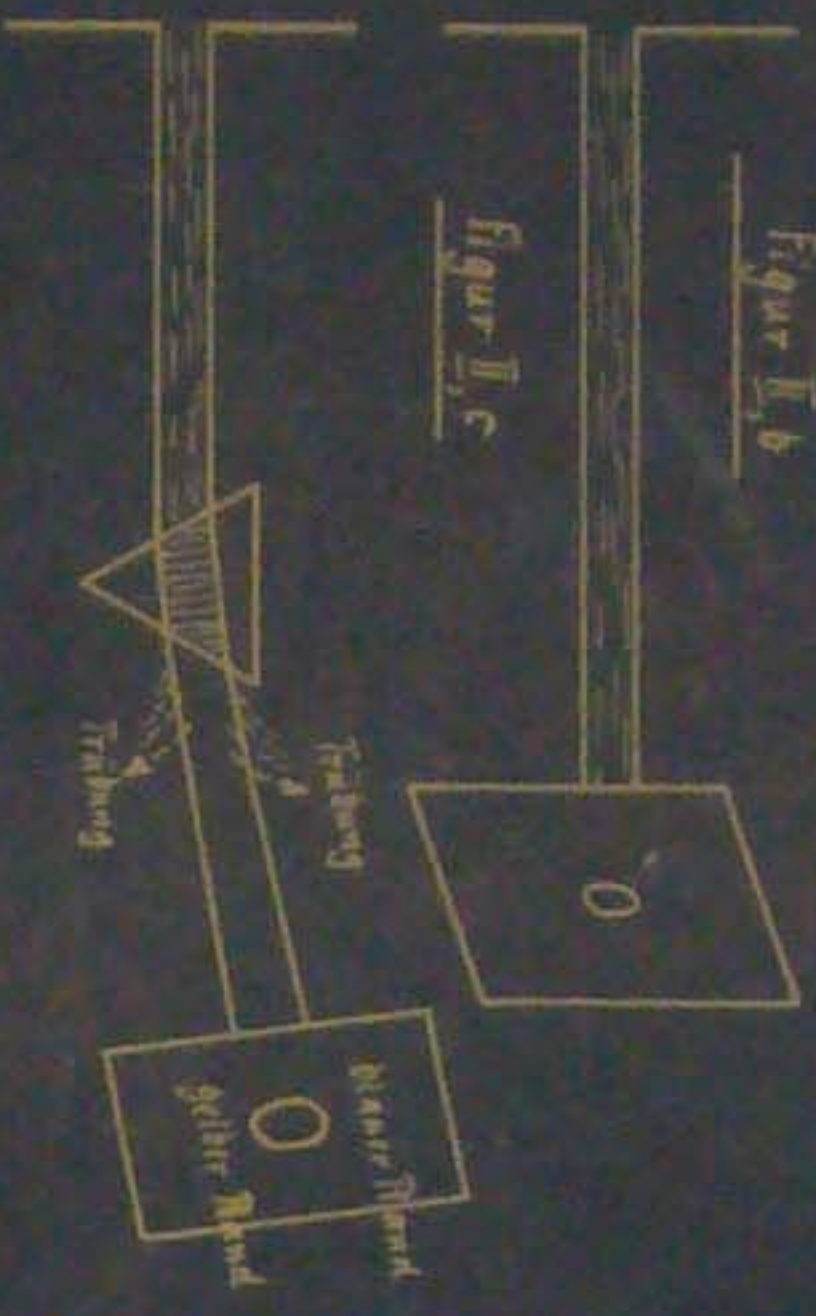


Figure I. c



Skizzen zum III. Vortrag

Figure II. a

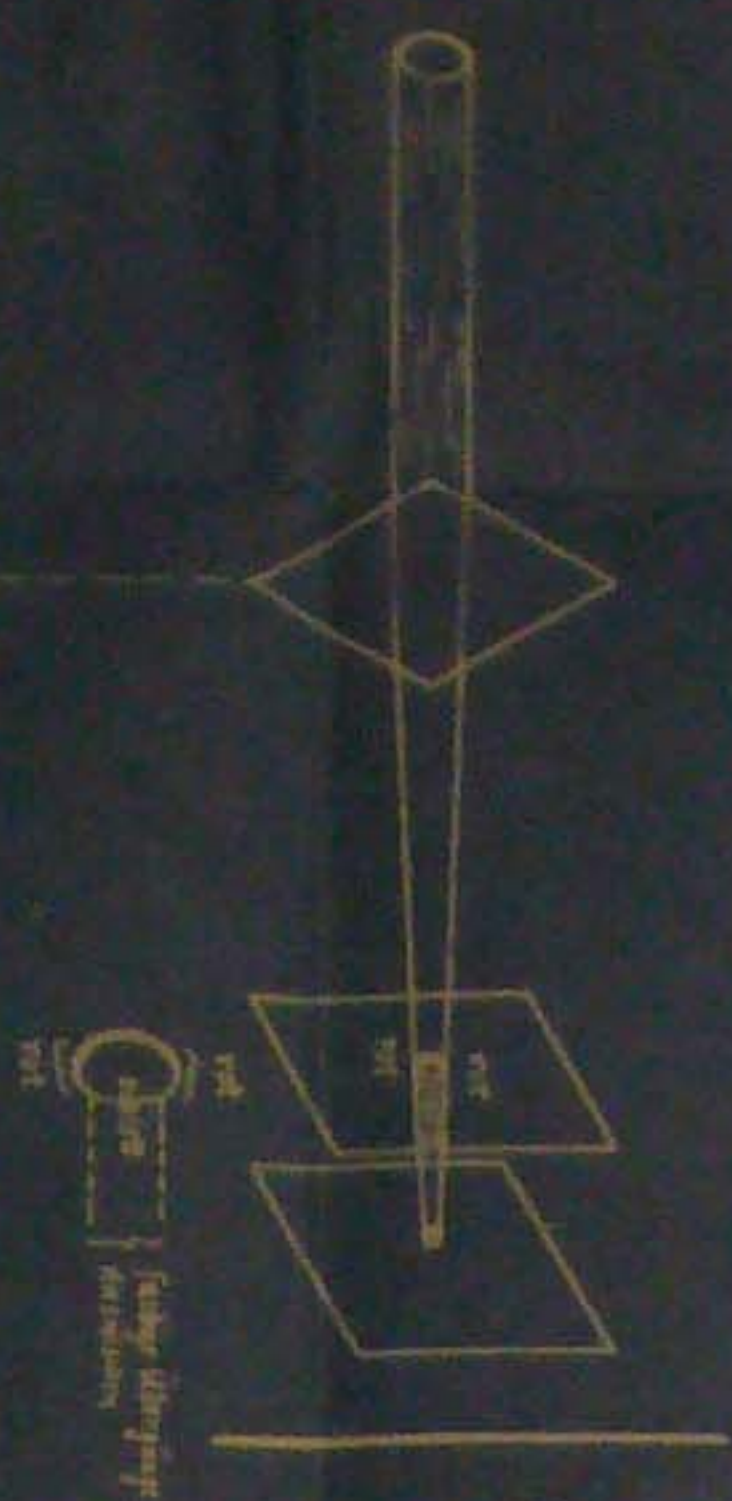


Figure II. b

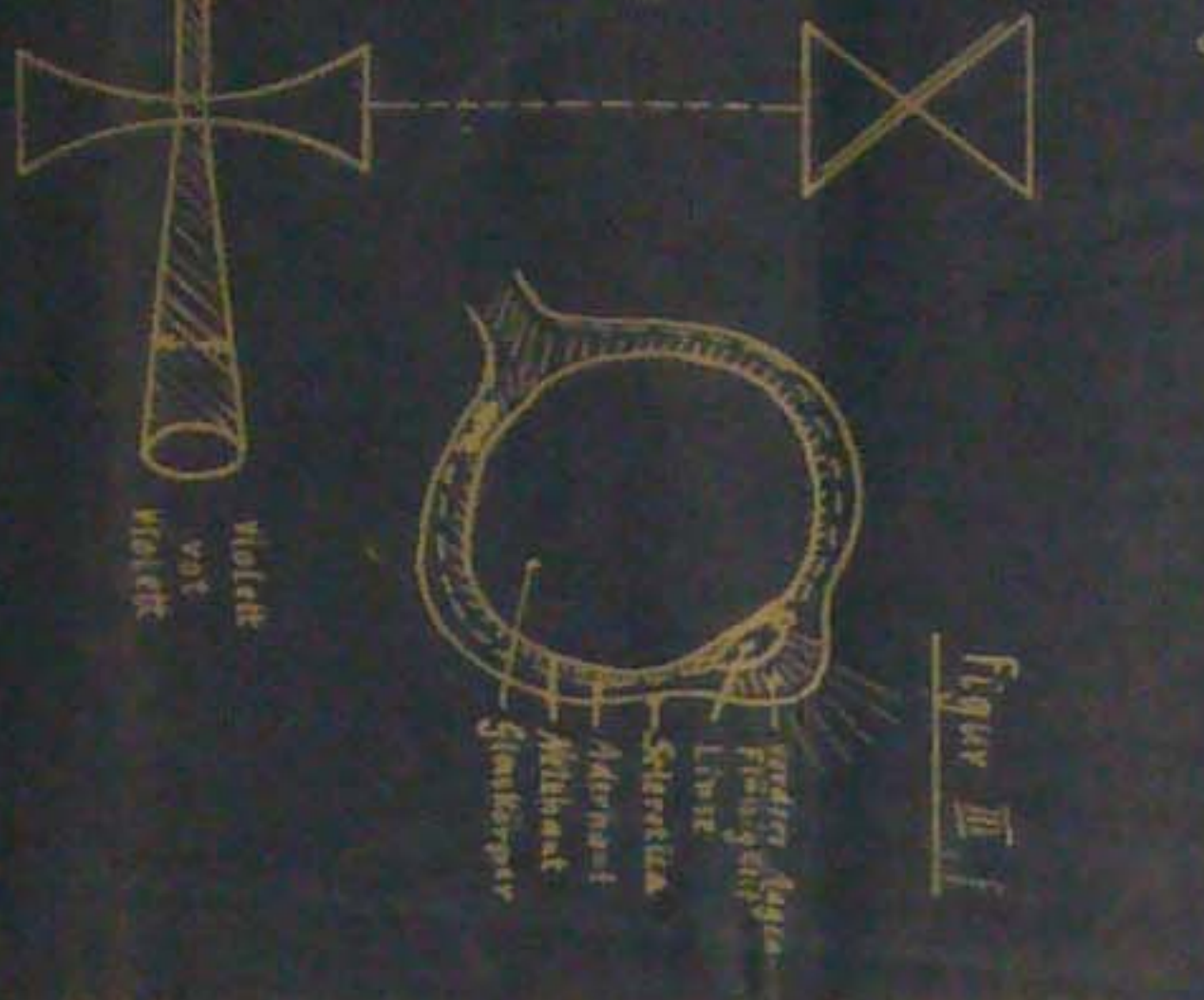


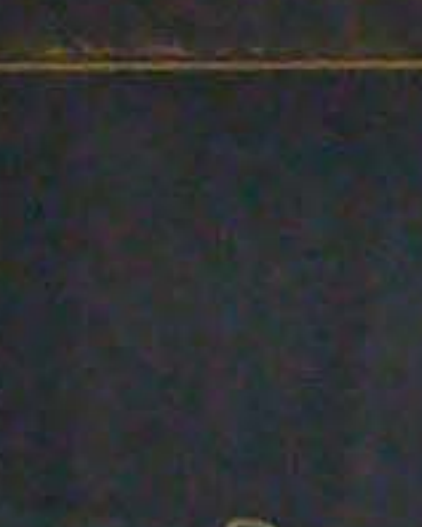
Figure II. c



Figure II. d



Figure II. e



Skizzen zum IV. Vortrag

Figure II. c



Figure II. d



Figure II. e



Figure II. a



Figure II. b

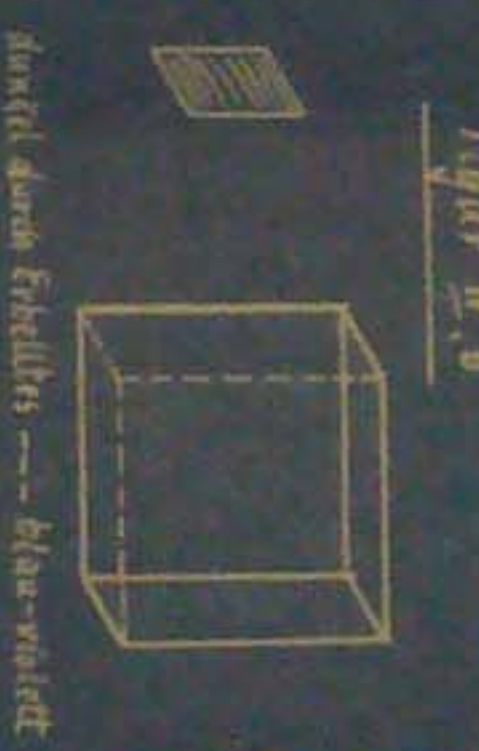


Figure II. f

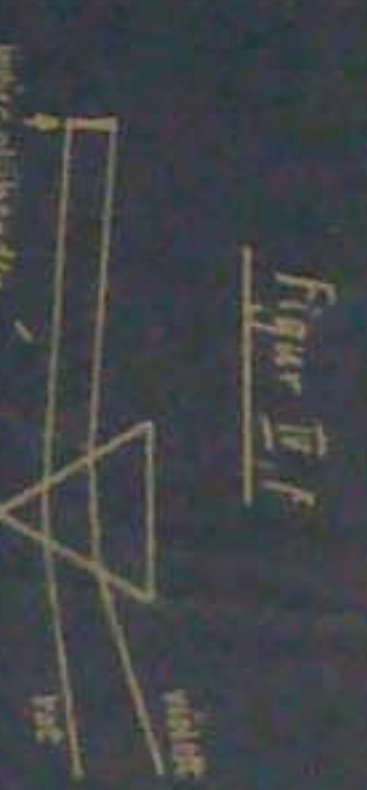


Figure II. g



Figure II. h

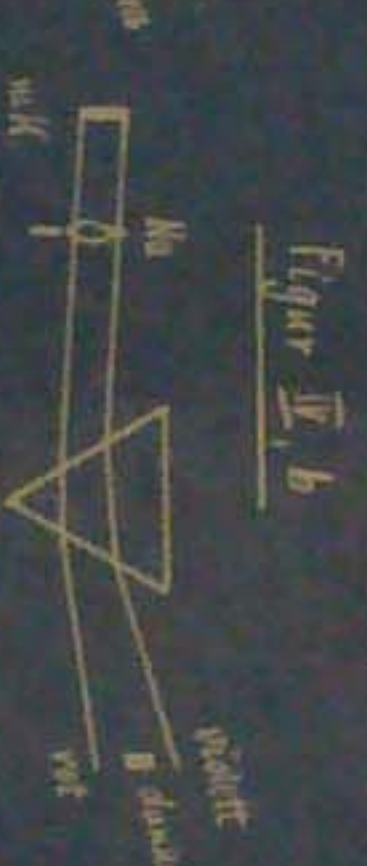


Figure II. i



Figure II. k



Skizzen zum V. Vortrag

Figure II. a

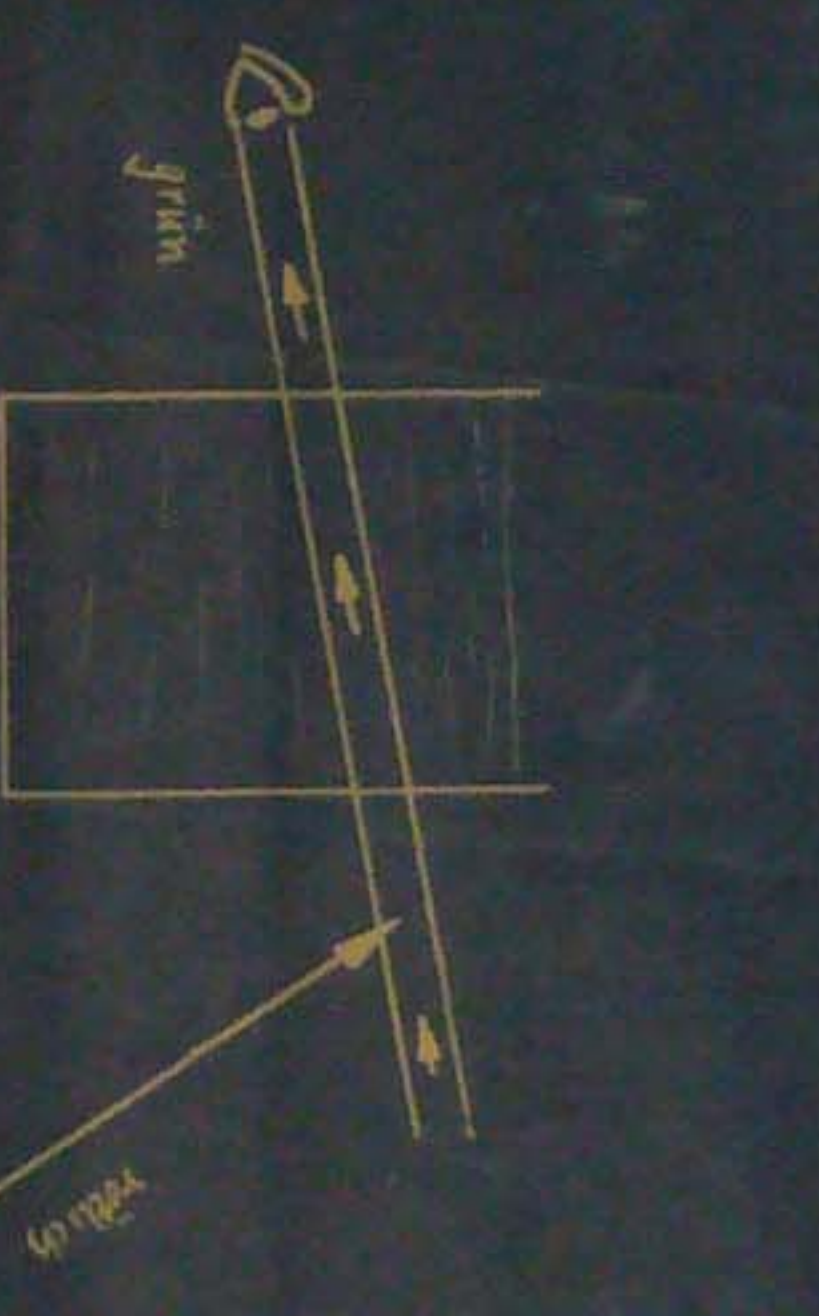


Figure II. b

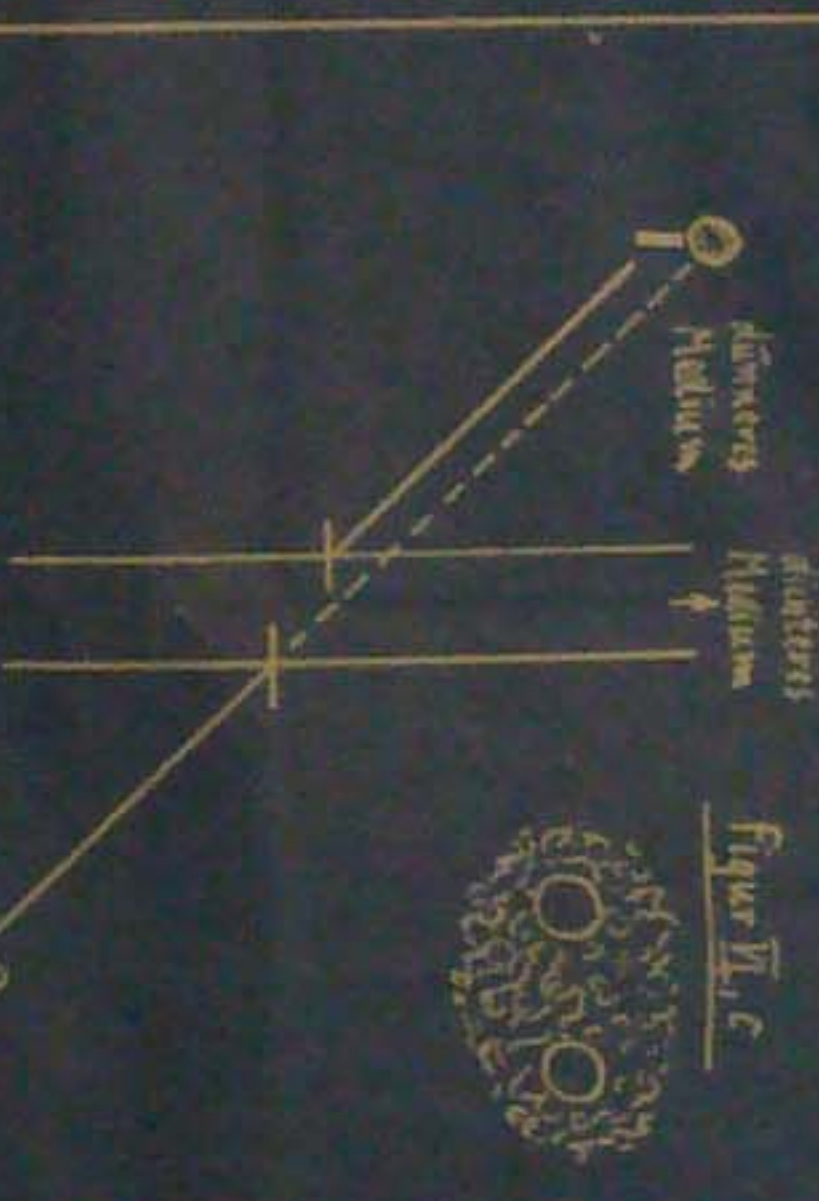
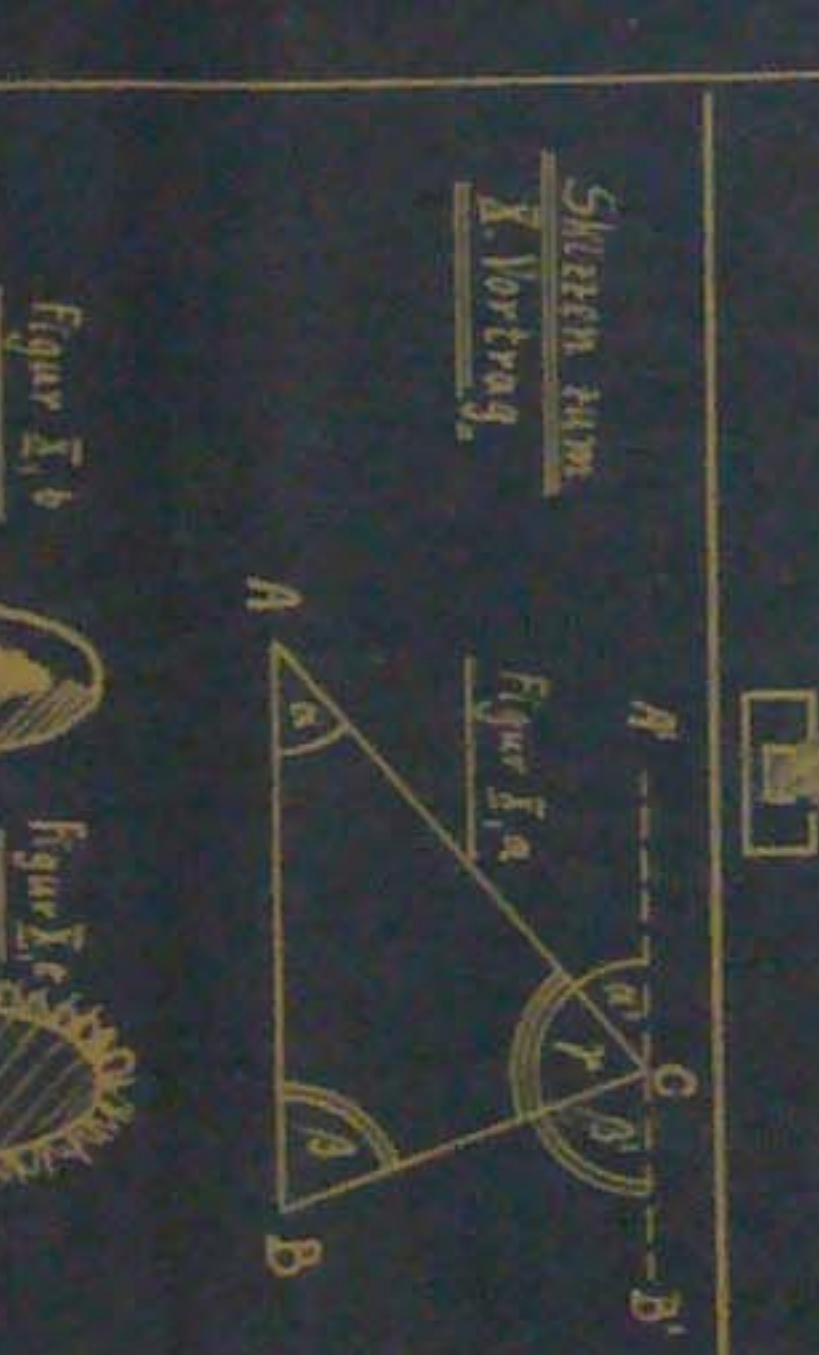


Figure II. c



Skizzen zum VI. Vortrag

Figure II. a

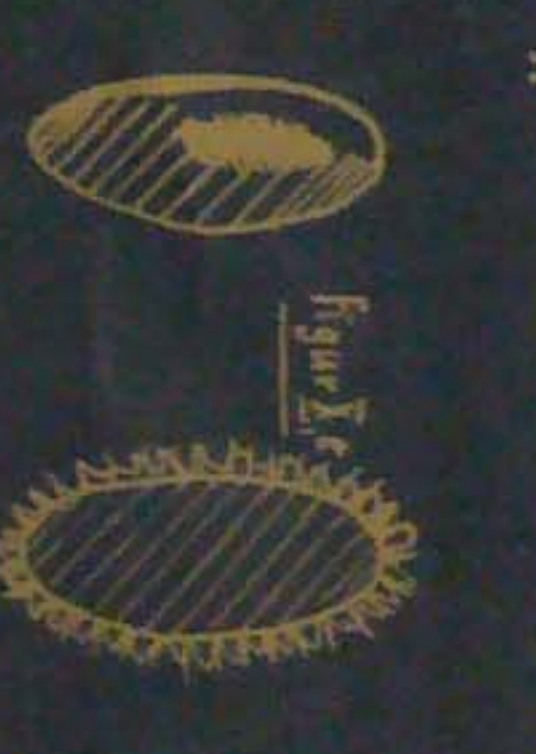


Figure II. b



Experiment zum VII. Vortrag (Magnetismus)

Figure III. a



Skizzen zum VIII. Vortrag

Figure III. a

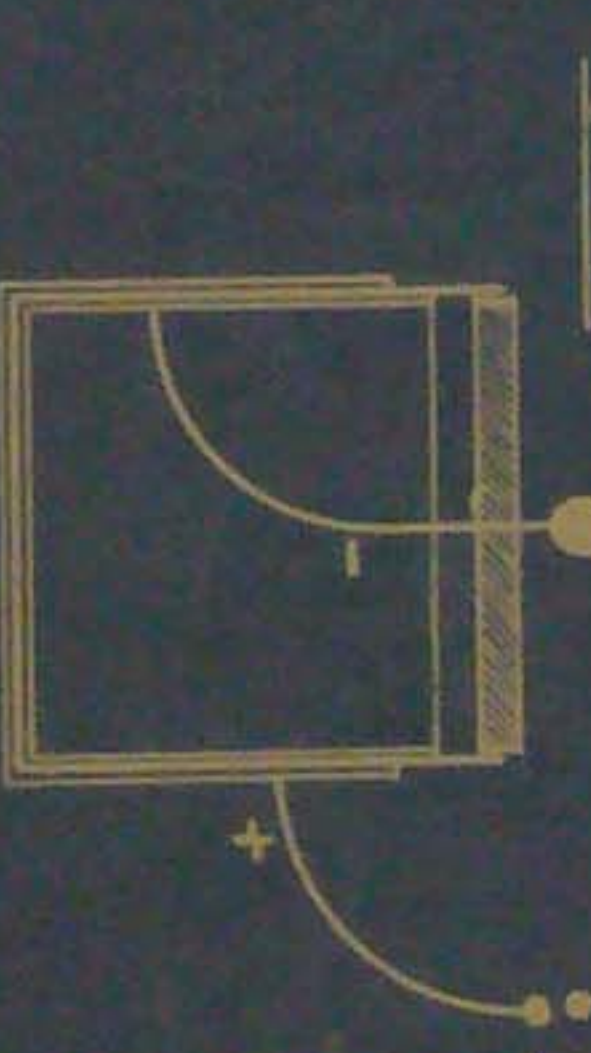
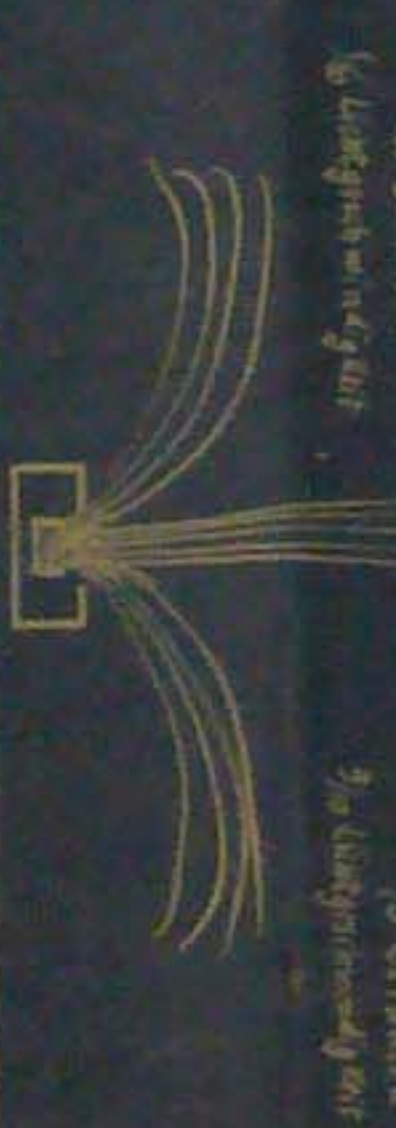


Figure III. b



Figure III. c



Skizzen zum I. Vortrag.

Figur I. a

Bewegungsparallelogramm
Polarität



Figur I. b

Winkelparallelogramm
Polarität

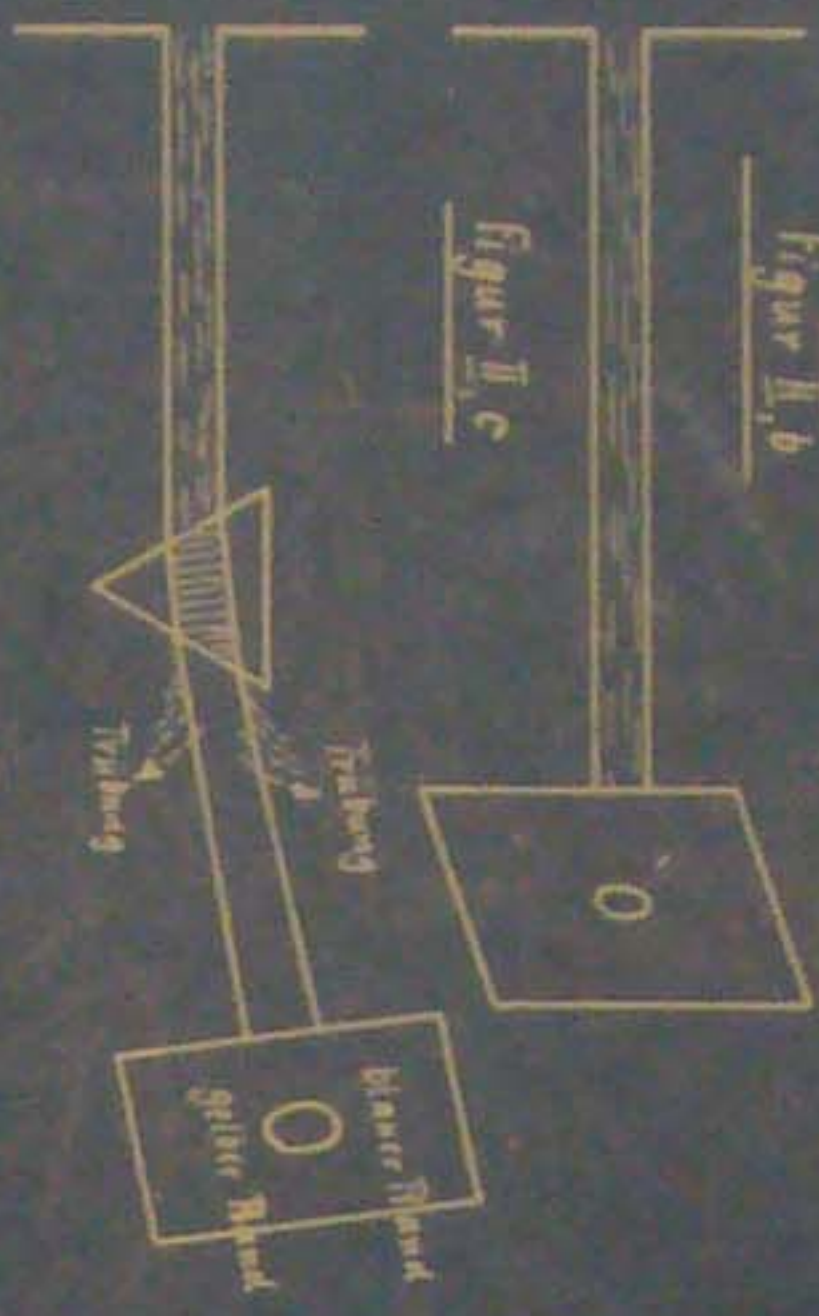


Skizzen zum II. Vortrag.

Figur II. a



Figur II. b



Figur II. c

Skizzen zum III. Vortrag.

Figur III. a



Figur III. b



Figur III. c



Figur III. d



Figur III. e



Figur III. f



Skizzen zum IV. Vortrag.

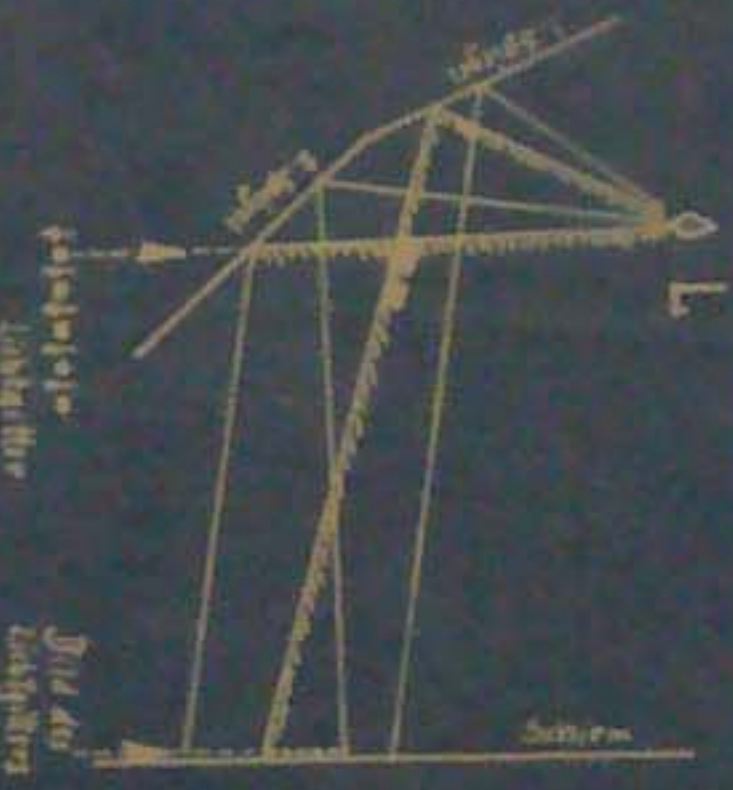
Figur IV. c



Figur IV. d



Figur IV. e



Figur IV. a



Figur IV. b

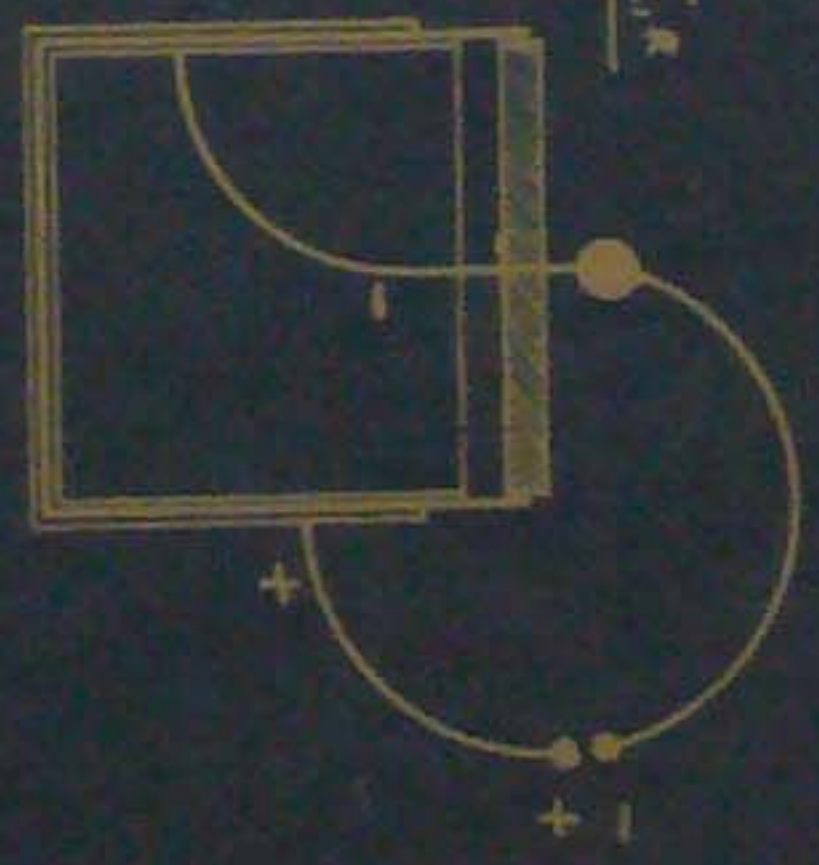


Experiment zum V. Vortrag. (Magnetismus)

Figur V. a



Figur V. b



Figur V. c



Figur V. d



Skizzen zum VI. Vortrag.

Figur VI. a



Figur VI. b



I. Naturwissenschaftlicher Kurs
gehalten von Dr. R u d o l f S t e i n e r
in der Waldorfschule zu S t u t t g a r t.

I. Vortrag.

Zu Anfang des Kursus las Dr. Stein die folgenden Stellen vor: Kirschners Deutsche Nationalliteratur; Goethes naturwissenschaftliche Schriften; Band 3, St. XVII. Dr. Rudolf Steiner in der Einleitung: "Sollte ich dereinst das Glück haben, Muße und Mittel zu besitzen, um eine Farbenlehre im Goetheschen Sinne ganz auf der Höhe der modernen Errungenschaften zu schreiben, so wäre in einer solchen allein die Aufgabe zu lösen, die zu Goethes Zeiten noch unbekannten Erscheinungen der Farbenlehre aus seinem Prinzip abzuleiten." Band I. St. LXXXIV. Einleitung: "Möchten jugendlich strebende Denker und Forscher, namentlich jene, die mit ihren Ansichten nicht bloß in die Breite gehen, sondern direkt dem C e n t r a l e n unseres Erkennens in's Auge schauen, seinen Ausführungen einige Aufmerksamkeit schenken und in Scharen nachfolgen, um vollkommener auszuführen, was ich auszuführen bestrebt war."

"Die geistige Führung des Menschen und der Menschheit" St. 48
"Künftig werden Chemiker und Physiker kommen, welche Chemie und Physik nicht soX lehren, wie man sie heute lehrt unter dem Einflusse der zurückgebliebenen ägyptisch-chaldäischen Geister, sondern welche lehren werden: "Die Materie ist aufgebaut in dem Sinne, wie der C h r i s t u s sie nach und nach angeordnet hat." Man wird den Christus bis in die Gesetze der Chemie und Physik hinein finden. Eine spirituelle Chemie, eine spirituelle Physik ist das, was in der Zukunft kommen wird."