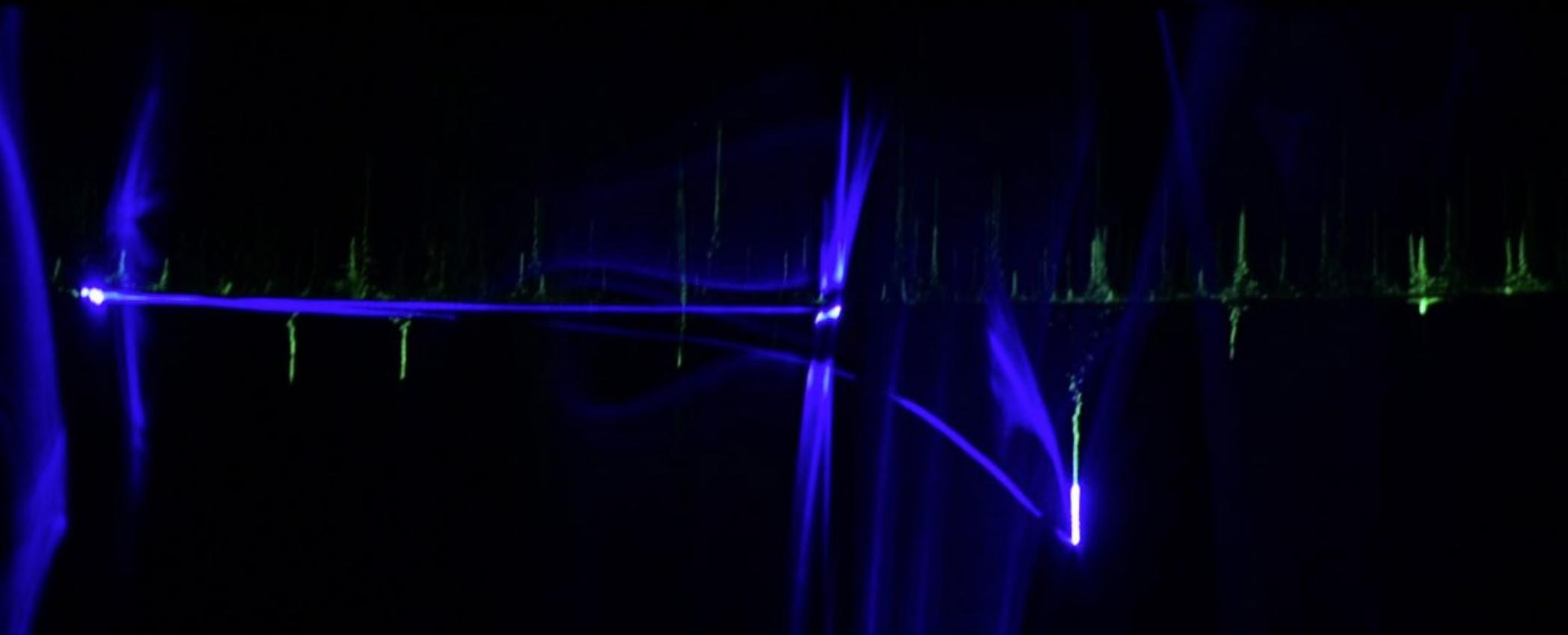


otolab



Ex

## Ex laser live audiovisual performance

The project stems from an interest in the phenomenon of “resonance” and from the observation of how it is sympathetically transferred from matter to sound and light, as it is from human social organisation to animal and plant life one.

Starting from laboratory experimentation with acoustically resonant materials (harmonic steel, crystal glass or polystyrene) and visually resonant ones (photosensitive pigments and laser light), the exploration gave rise to a live performance consisting of distant material sounds that merge into pulsating electro loops, rich of low frequencies and glitch-noise drifts.

The sound interacts in real-time with the laser projection and drives its visual behaviour, drawing vibrant and restless landscapes on a continuously redefined horizon of rapidly dissolving “visual resonances”.

Ex also refers to what had been and no longer is, something of which all that remains is a fleeting memory, a smouldering shadow.

Percussion: Lorenzo D'Erasmo

Electronics: Massimiliano Gusmini, Antonio Cavadini

Laser: Luca Pertegato, Silvio Mancini, Daniele Mancini

Software development: Daniele Mancini

Project and production: Otolab, 2020

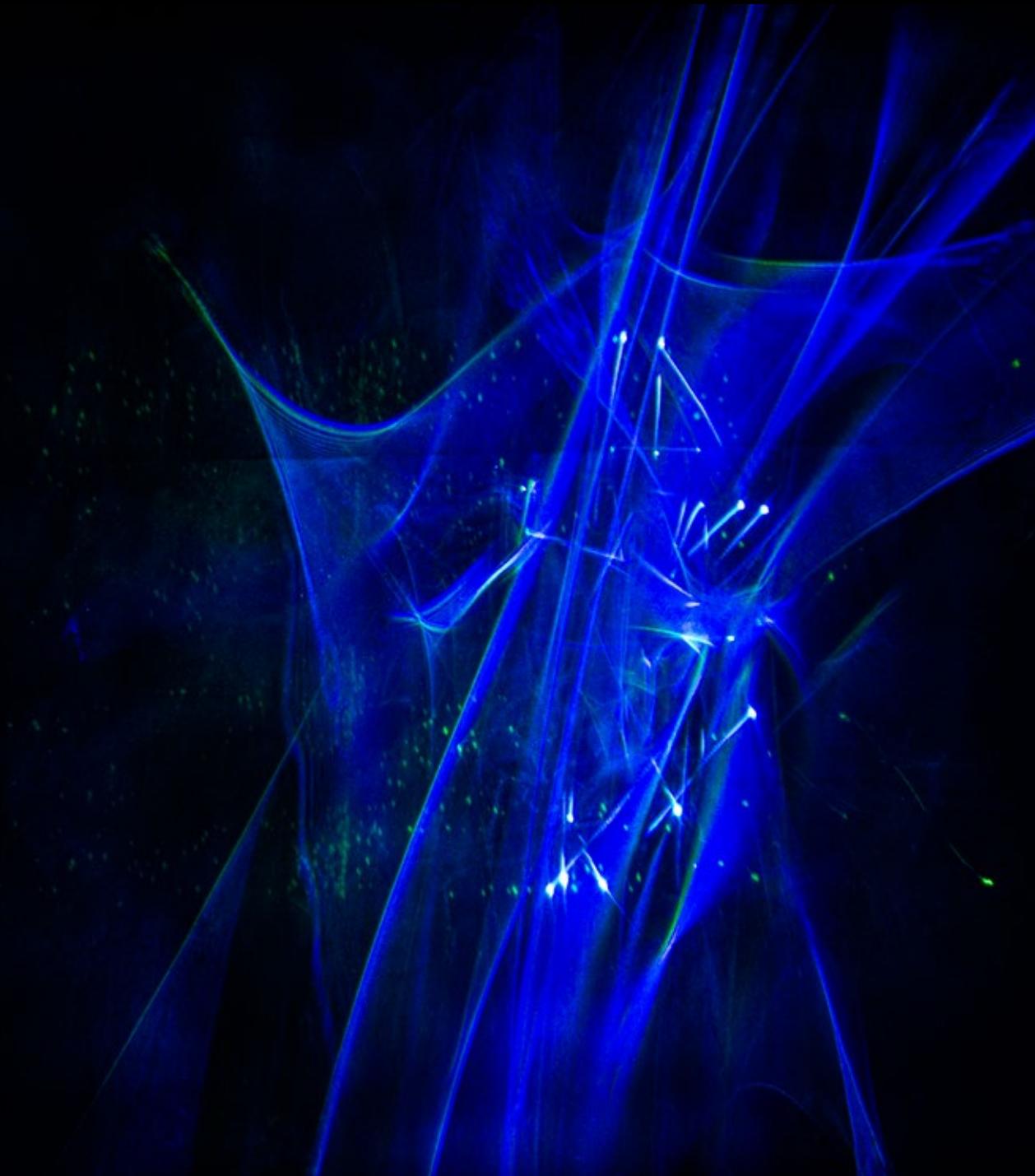
Duration: about 30"

Special thanks for support:

Alberto Novello [jestern.com](http://jestern.com)

Martino Coffa [recipient.cc](http://recipient.cc)

Francesco Caracciolo [caracciolofrancesco.com](http://caracciolofrancesco.com)



## Ex laser live audiovisual performance

Il progetto nasce dall'interesse per il fenomeno della "risonanza" e dall'osservazione di come essa si trasferisca simpaticamente dalla materia, al suono e alla luce, così come dall'organizzazione sociale umana a quella animale e vegetale.

Attraverso la sperimentazione di laboratorio con materiali risonanti come l'acciaio armonico, lo specchio o il polistirolo, e tra pigmenti fotosensibili e la luce laser, l'esplorazione ha dato vita a una live performance costituita da strumenti sonori "materici" microfonati, filtrati ed effettati, che si innestano su basi elettroniche ritmiche, ricche di frequenze basse e di derive glitch-noise.

I suoni, interagendo in real-time con la proiezione laser, ne pilotano il comportamento visivo, disegnano paesaggi vibranti e inquieti in un orizzonte costantemente ridefinito da "risonanze visive" in rapida dissoluzione.

Ex rimanda anche a ciò che è stato e non è più, qualcosa del quale non ci resta che un ricordo fugace, un'ombra di luce.

Percussioni: Lorenzo D'Erasmo

Elettronica: Massimiliano Gusmini, Antonio Cavadini

Laser: Luca Pertegato, Silvio Mancini, Daniele Mancini

Sviluppo software: Daniele Mancini

Progetto e produzione: Otolab, 2020

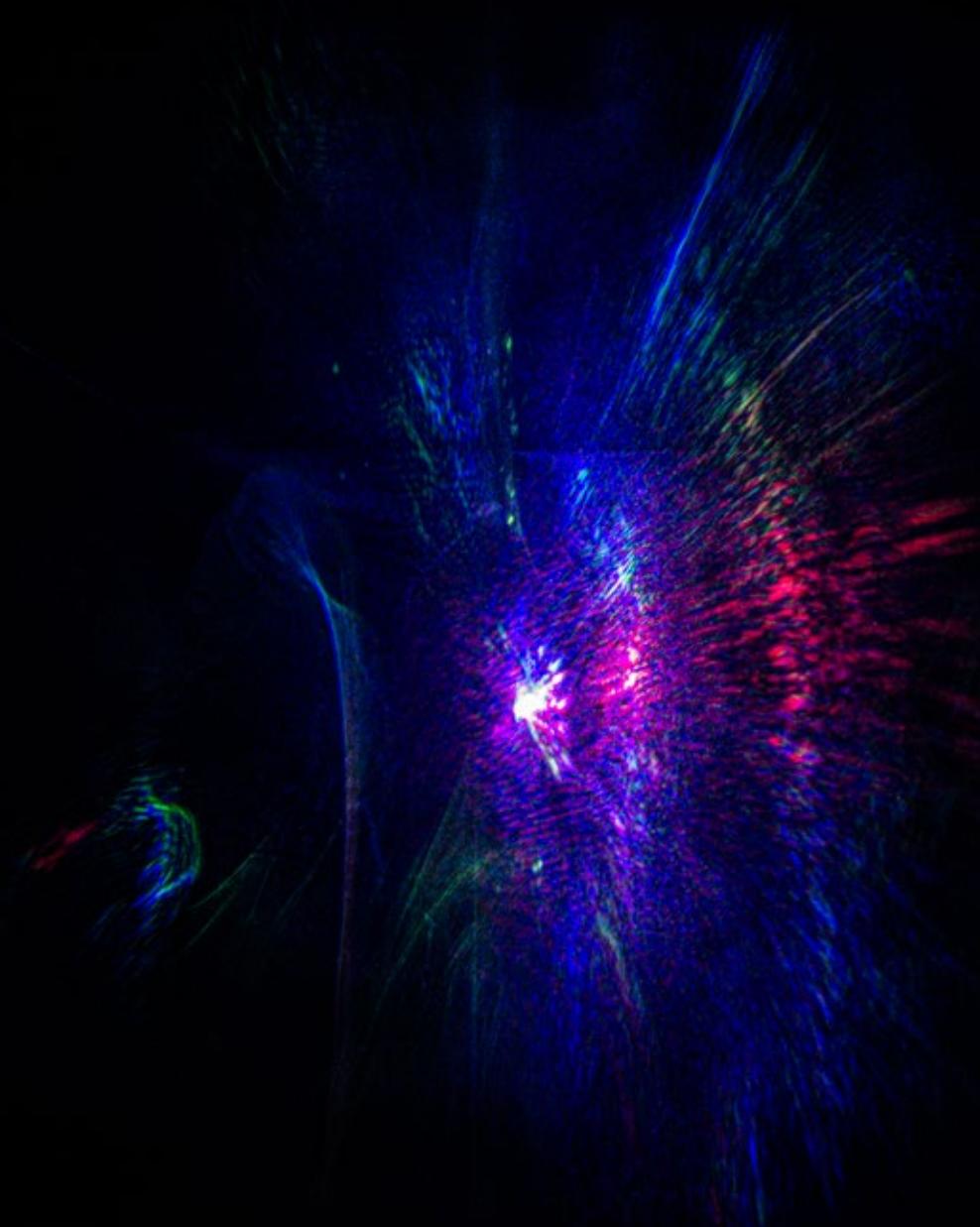
Durata: circa 30"

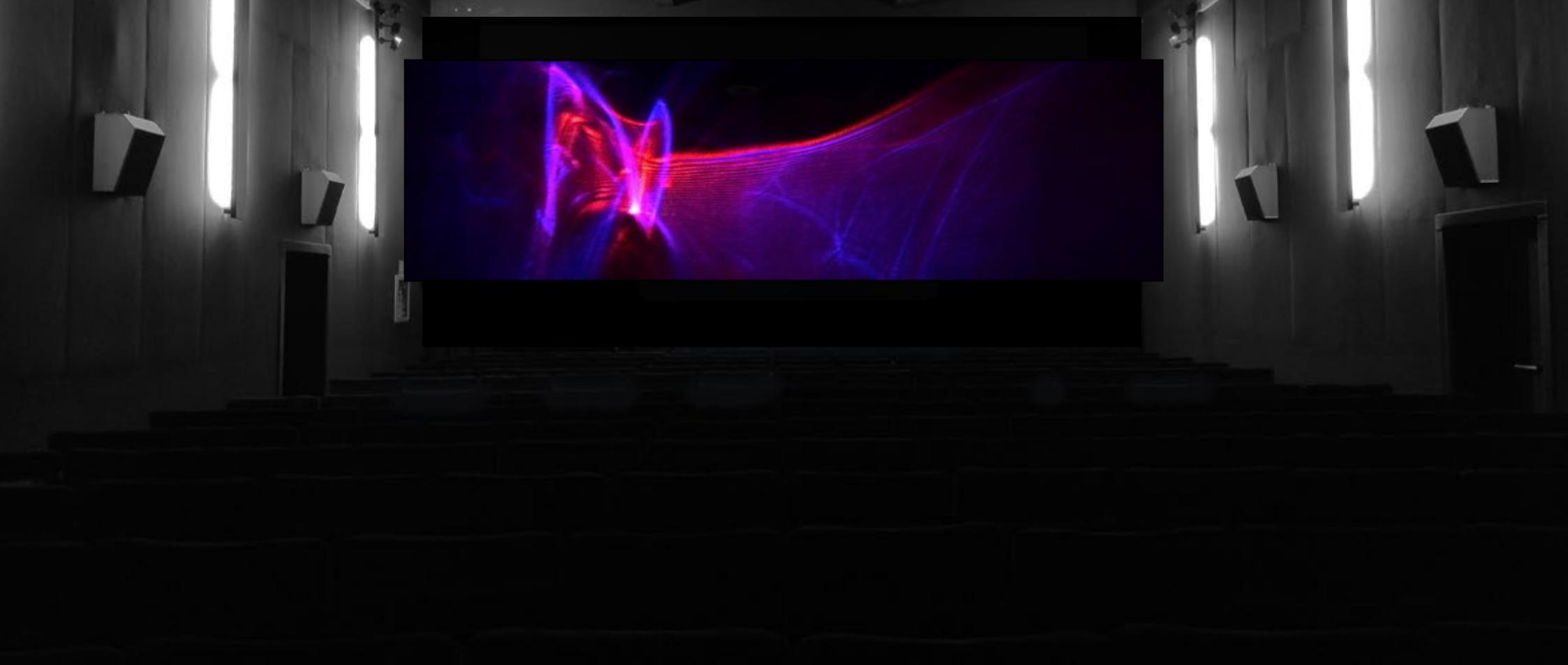
Ringraziamo per la collaborazione:

Alberto Novello [jestern.com](http://jestern.com)

Martino Coffa [recipient.cc](http://recipient.cc)

Francesco Caracciolo [caracciolofrancesco.com](http://caracciolofrancesco.com)





Ex, technical rider

## Ex, technical rider

EN

### Required equipment

Audio:

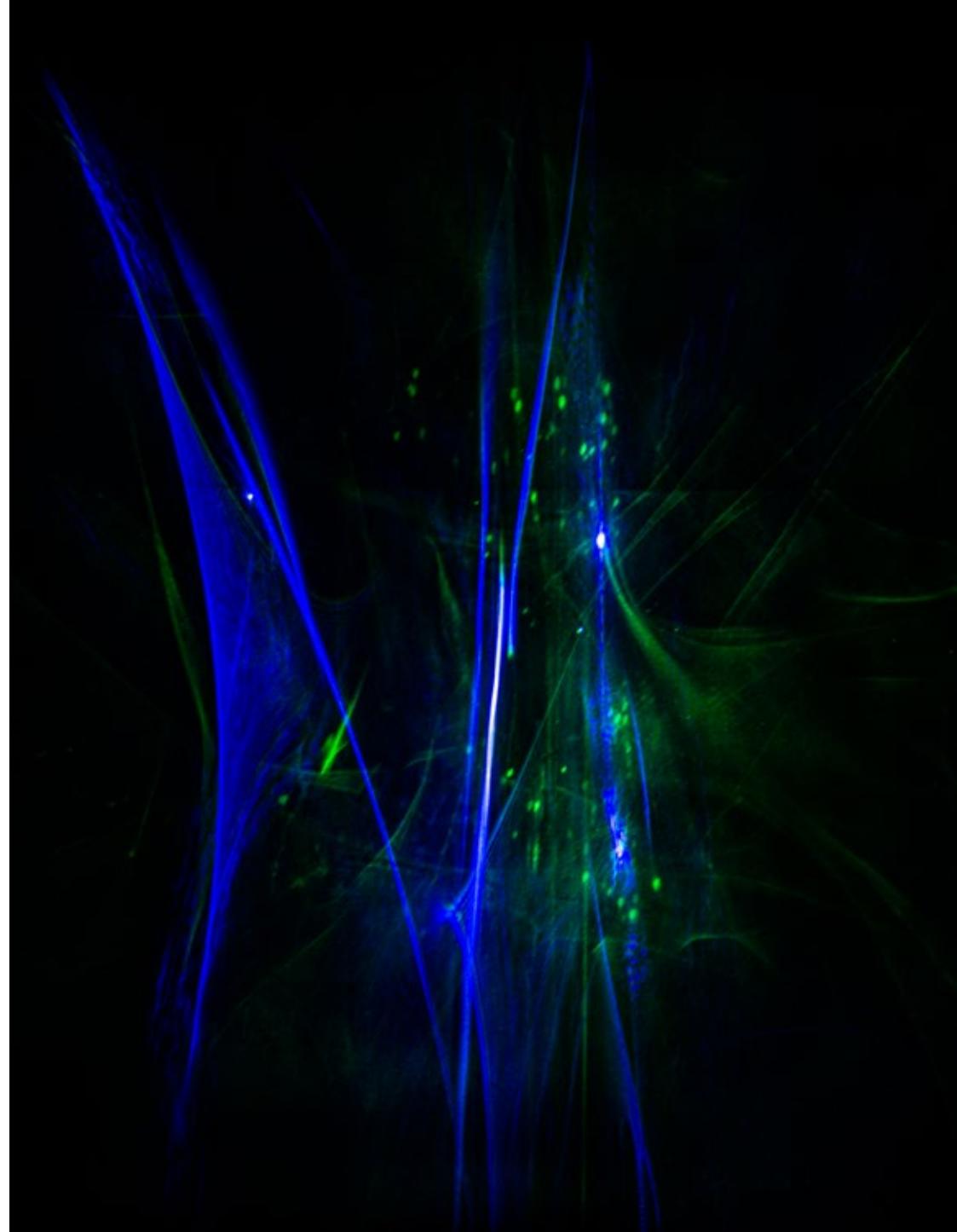
- Stereo P.A. + Subwoofers
- Balanced audio cables from our audio mixer to P.A.

Equipment:

- 1 x H150x100x50 cm stand: for the laser mirror;
- 2 tables 150x100 cm: for audio and laser devices;
- 1 small table 50x50 cm: for the acoustic mirror;
- 1 adjustable stand H 100>250 cm: for the harmonic steel plate;
- 1 adjustable stand H 100>250 cm: for the laser projector;
- 3 multi socket plugs at the tables.

### Instrumentation provided by otolab

- 1 black photoluminescent projection screen L 800 × H 200 cm;
- 1 x 2000 mW RGB laser;
- 1 8-channel stage mixer;
- 1 harmonic steel plate H 200 x W 50 cm;
- 1 acoustic mirror 30x30 cm;
- 1 85x50 cm mirror for laser;
- Audio synths and electronic effects.



## Ex, scheda tecnica

IT

### Strumentazione richiesta

#### Audio:

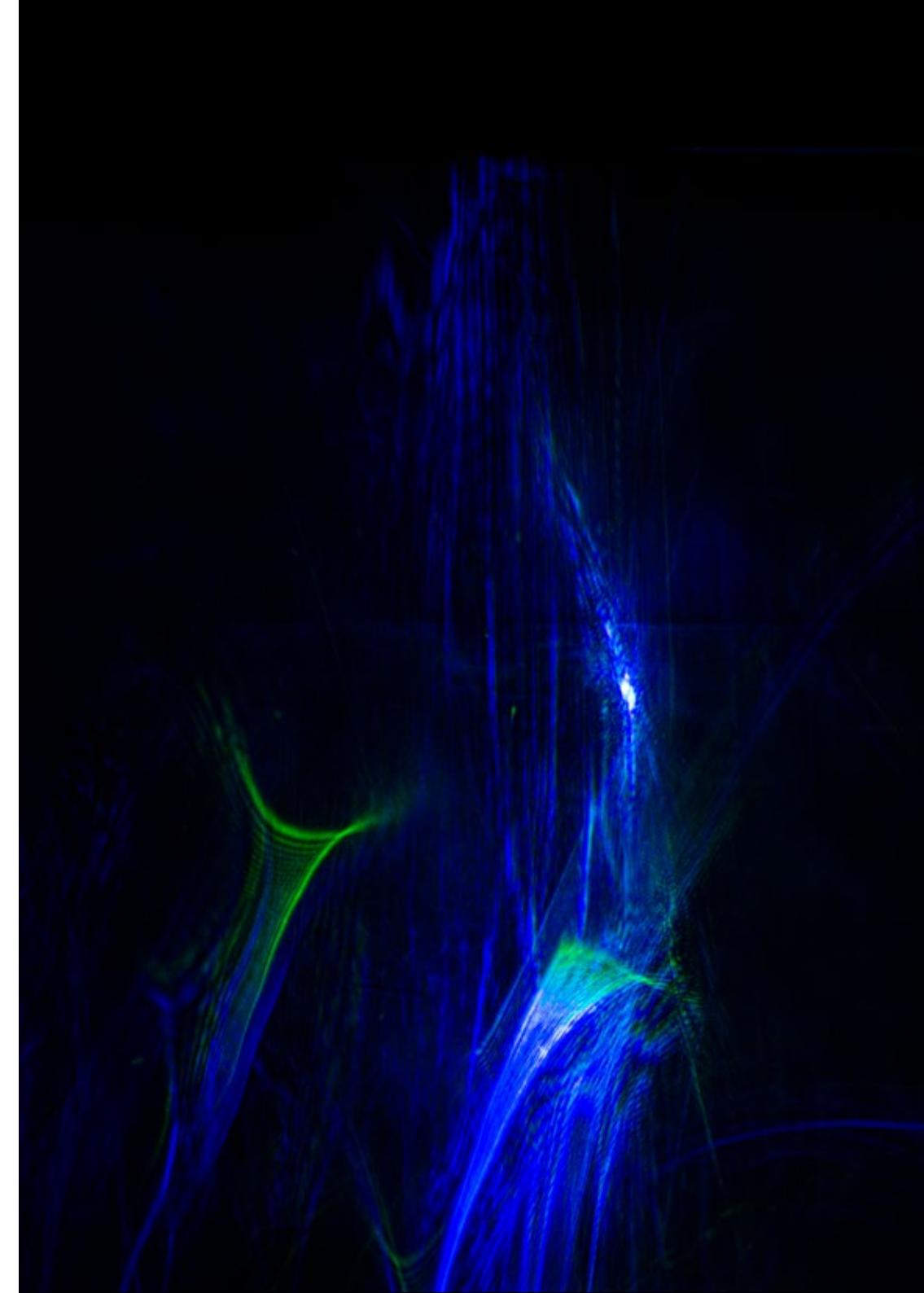
- P.A. stereo 3000>6000 W con teste + 1/2 subwoofer
- Cavi audio bilanciati da nostro mixer audio a P.A.

#### Allestimento:

- 1 supporto x H150x100x50 cm: per lo specchio di riflessione del laser;
- 2 tavoli 150x100 cm: per audio consolle e laser consolle;
- 1 tavolino 50x50 cm: per lo specchio microfonato;
- 1 stand regolabile H 100>250 cm: per la lastra di acciaio armonico;
- 1 stand regolabile H 100>250 cm: per il proiettore laser;
- 3 prese elettriche multiple ai tavoli.

### Strumentazione fornita da otolab

- 1 schermo nero fotoluminescente L 800 × H 200 cm.;
- 1 laser RGB da 2000 mW;
- 1 mixer da palco a 8 canali;
- 1 lastra di acciaio armonico microfonato H 200 x L 50 cm;
- 1 specchio microfonato 30x30 cm;
- 1 specchio 85x50 cm per la riflessione della proiezione laser;
- Audio synth ed effetti elettronici.



## Ex, technical rider

Telo nero preparato con pigmenti fosforescenti e anelli per l'ancoraggio con cavi di acciaio fissati a parete o a un'americana.

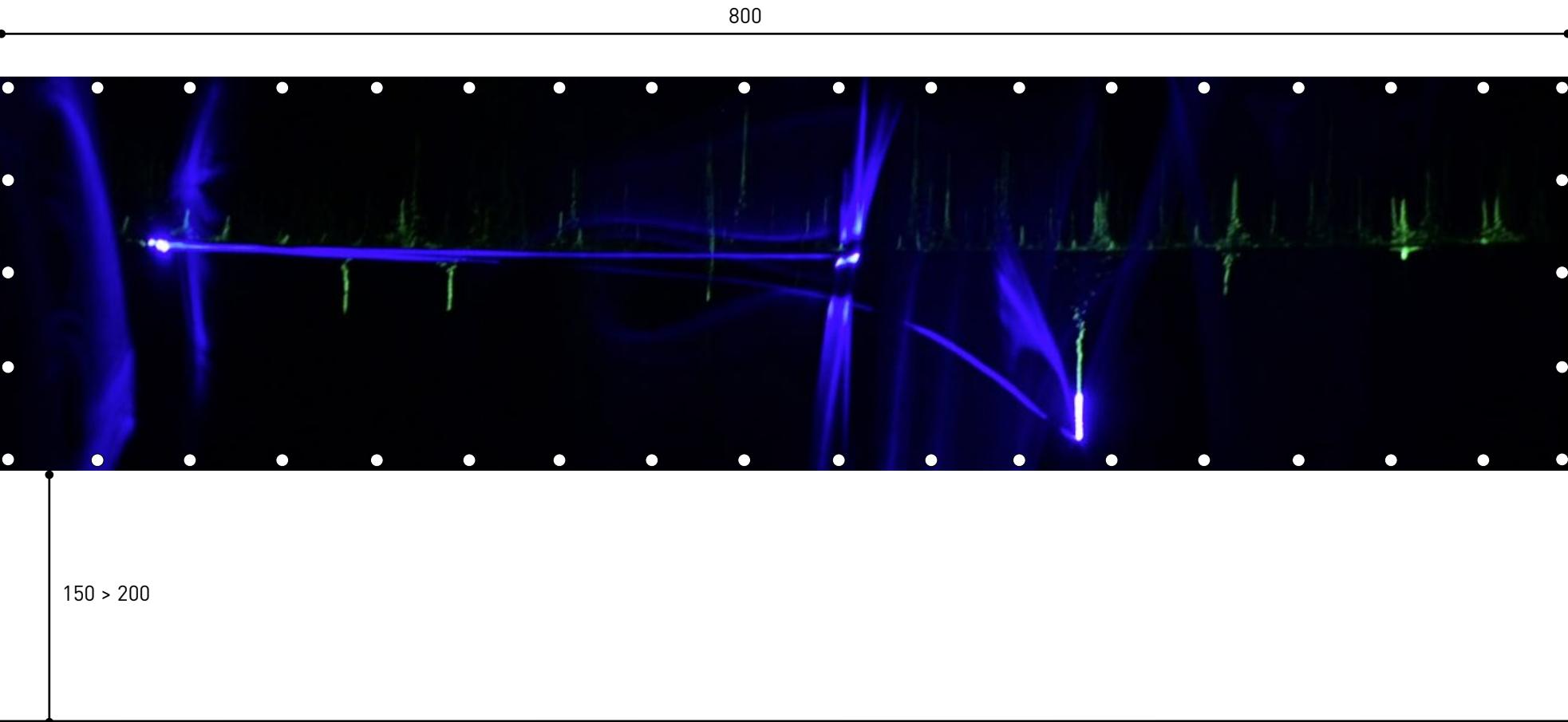
Formato orizzontale L 800 x H 200 cm

Altezza da terra 150 > 200 cm

Black projection screen prepared with phosphorescent pigments and eyelets, anchored with steel cables fixed to the wall or to a truss.

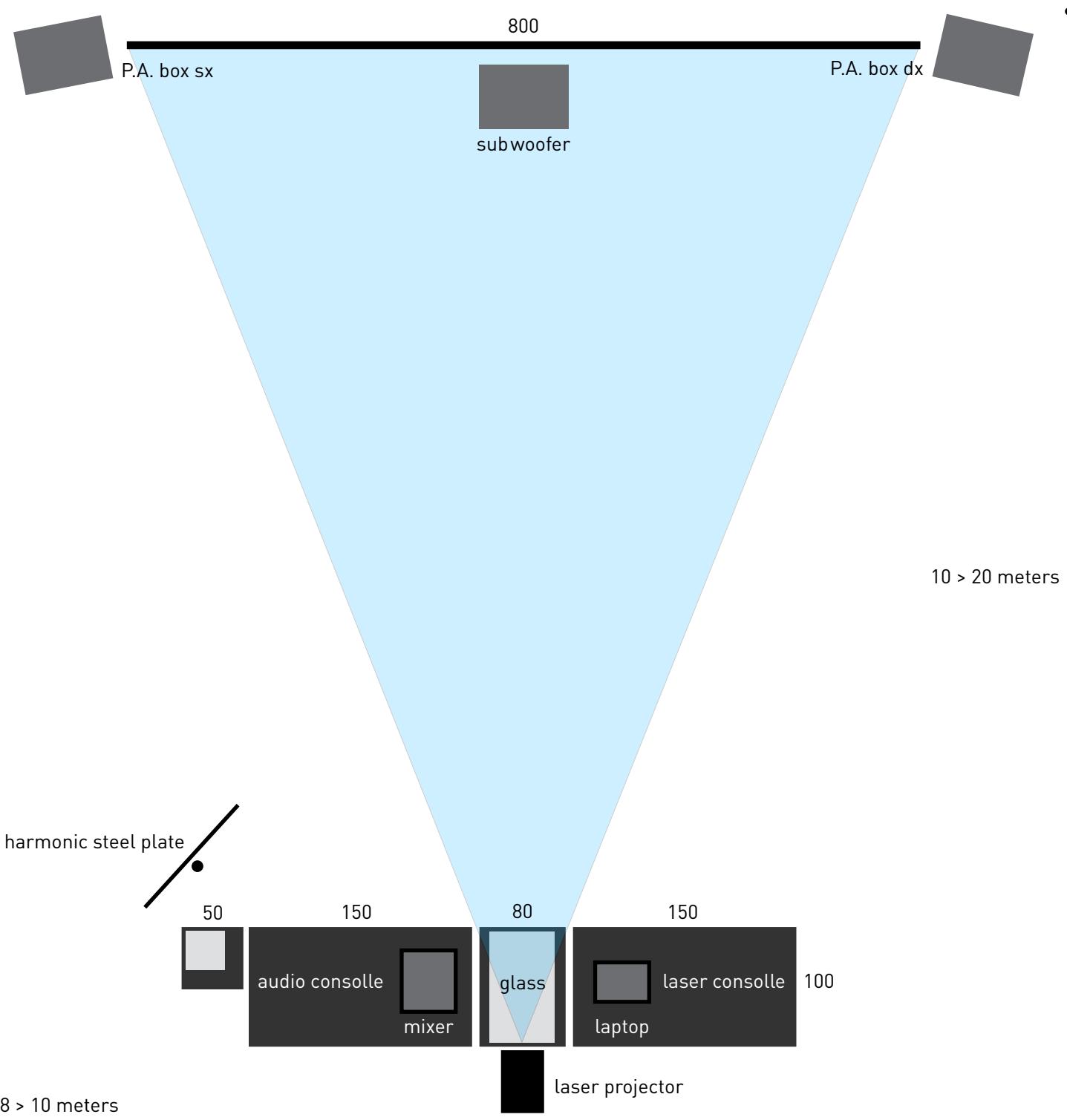
Horizontal format W 800 x H 200 cm

Height of base from ground 150 > 200 cm



Ex, technical rider

floor plan

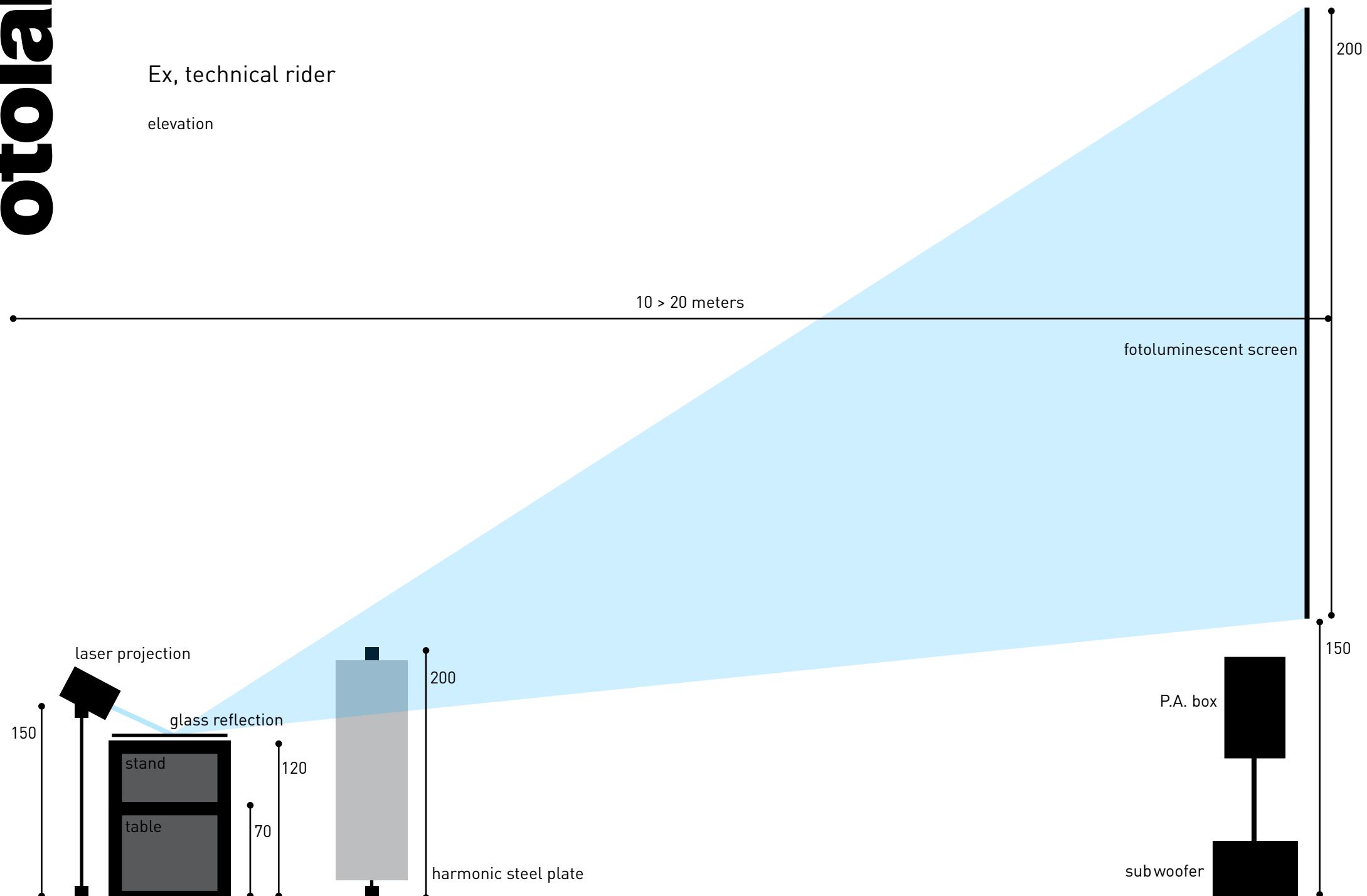


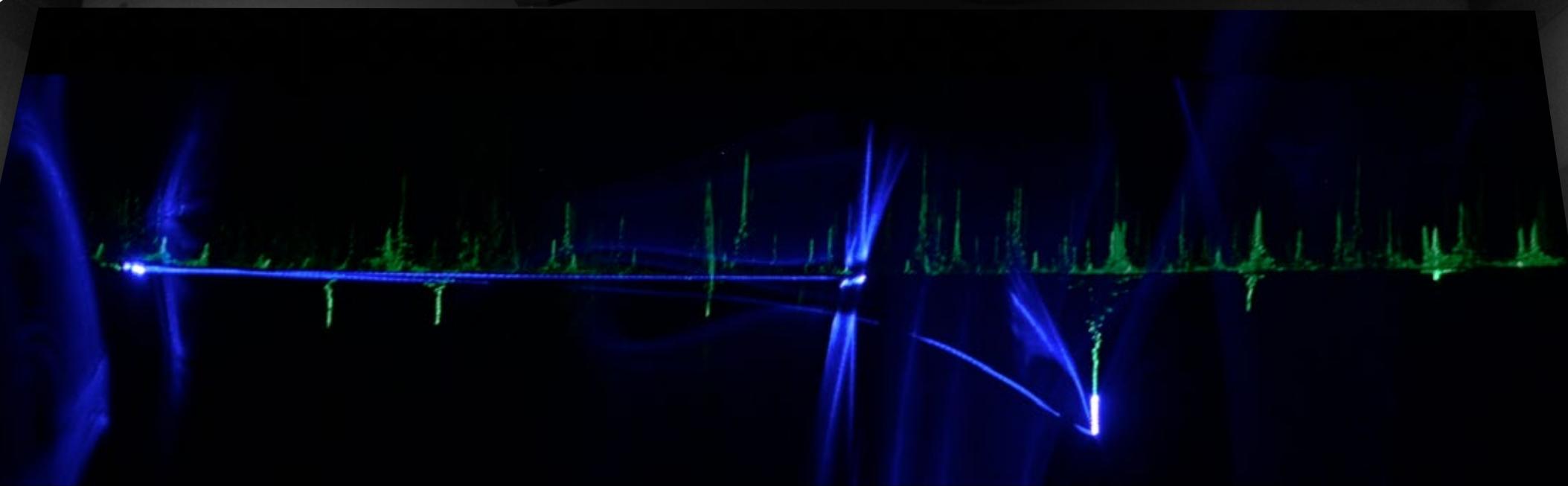
Ex, technical rider

elevation

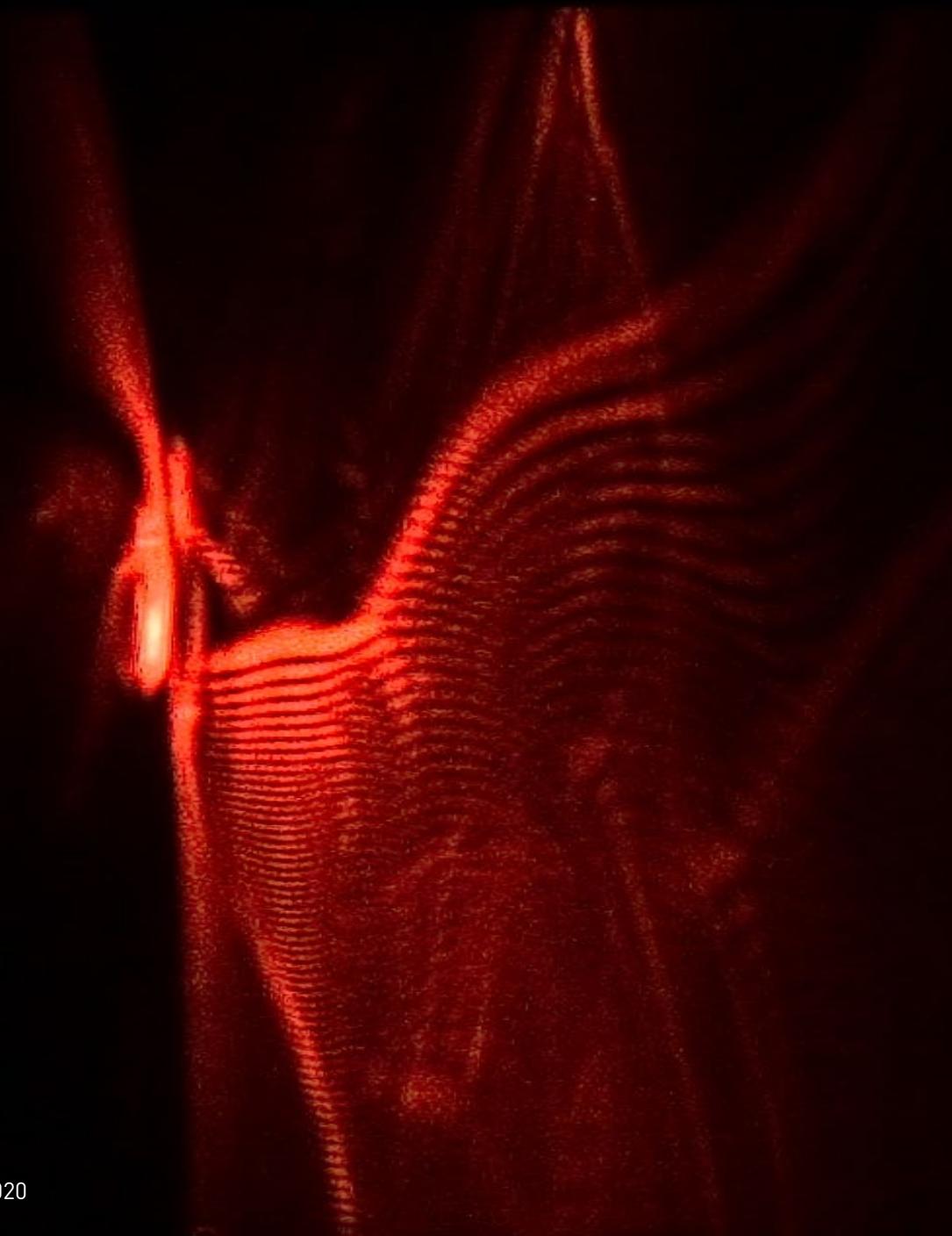
10 > 20 meters

fotoluminescent screen





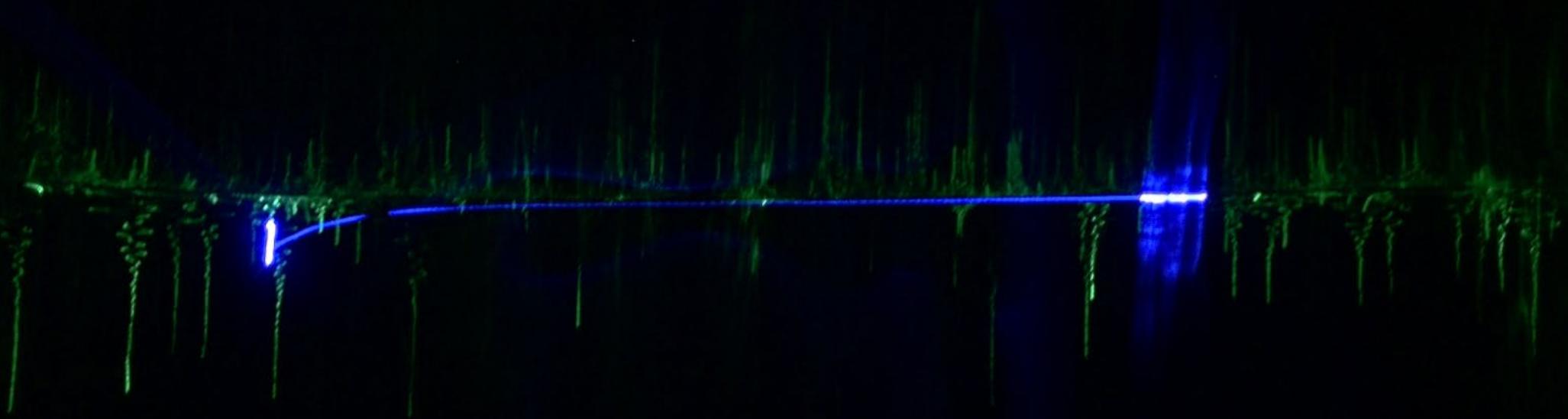
Ex, images



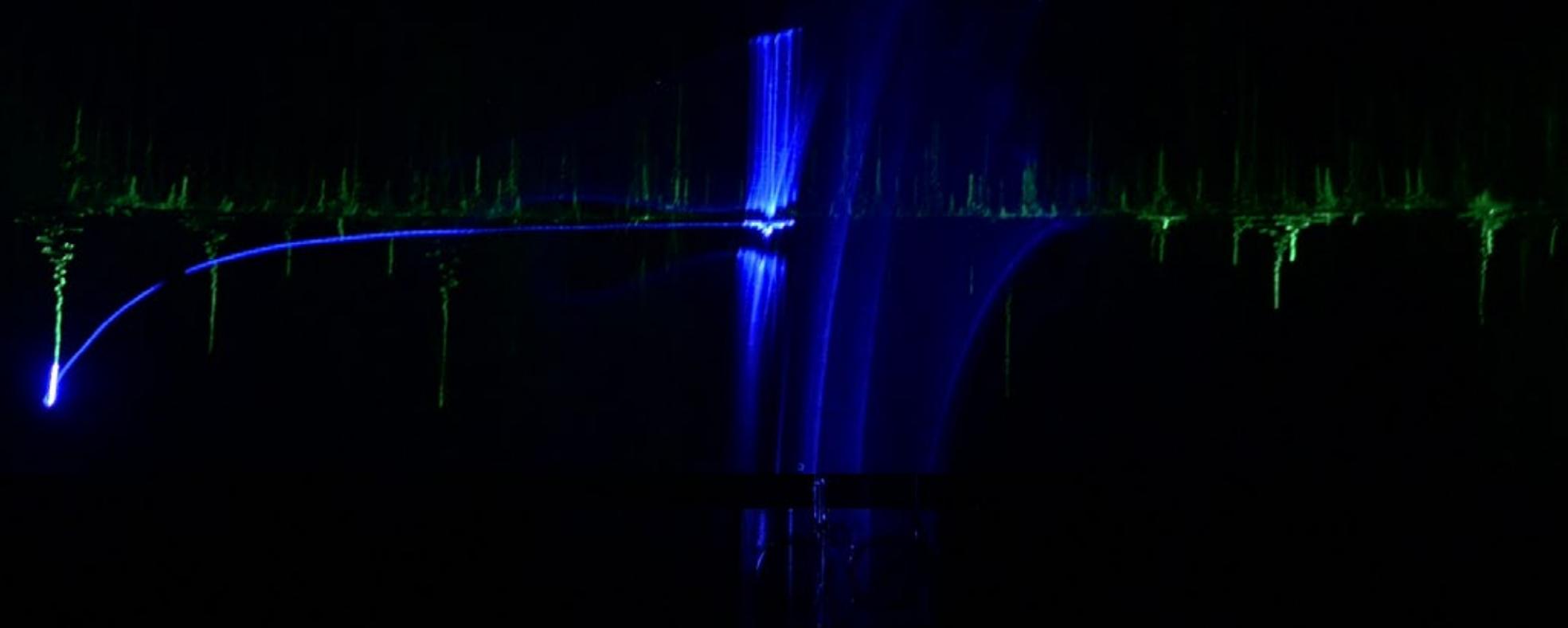
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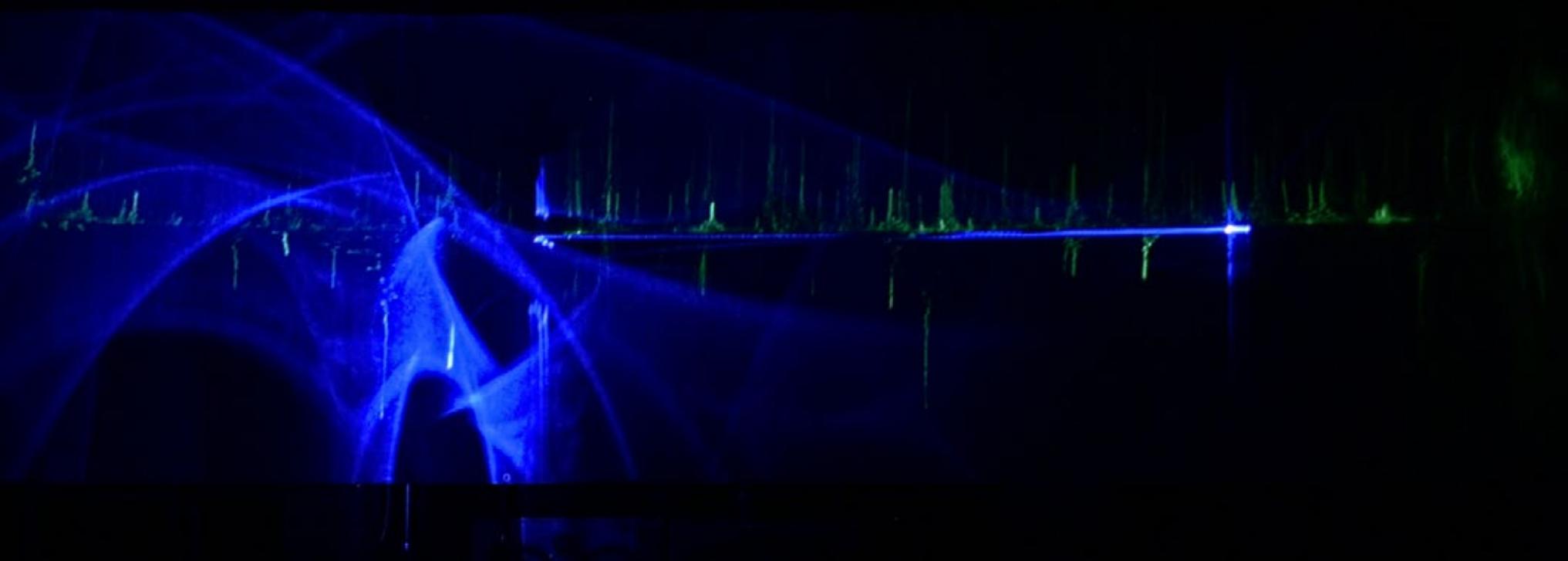
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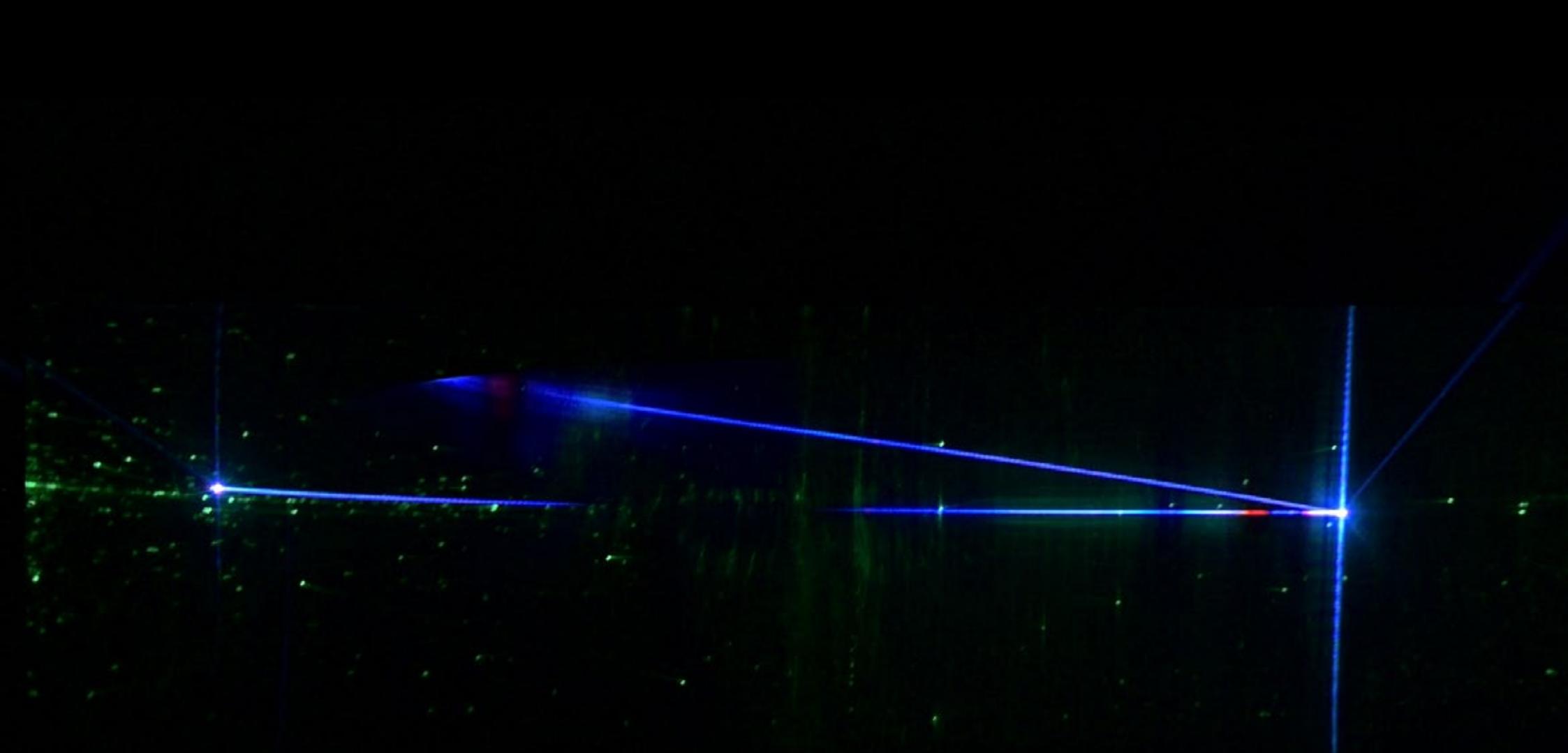
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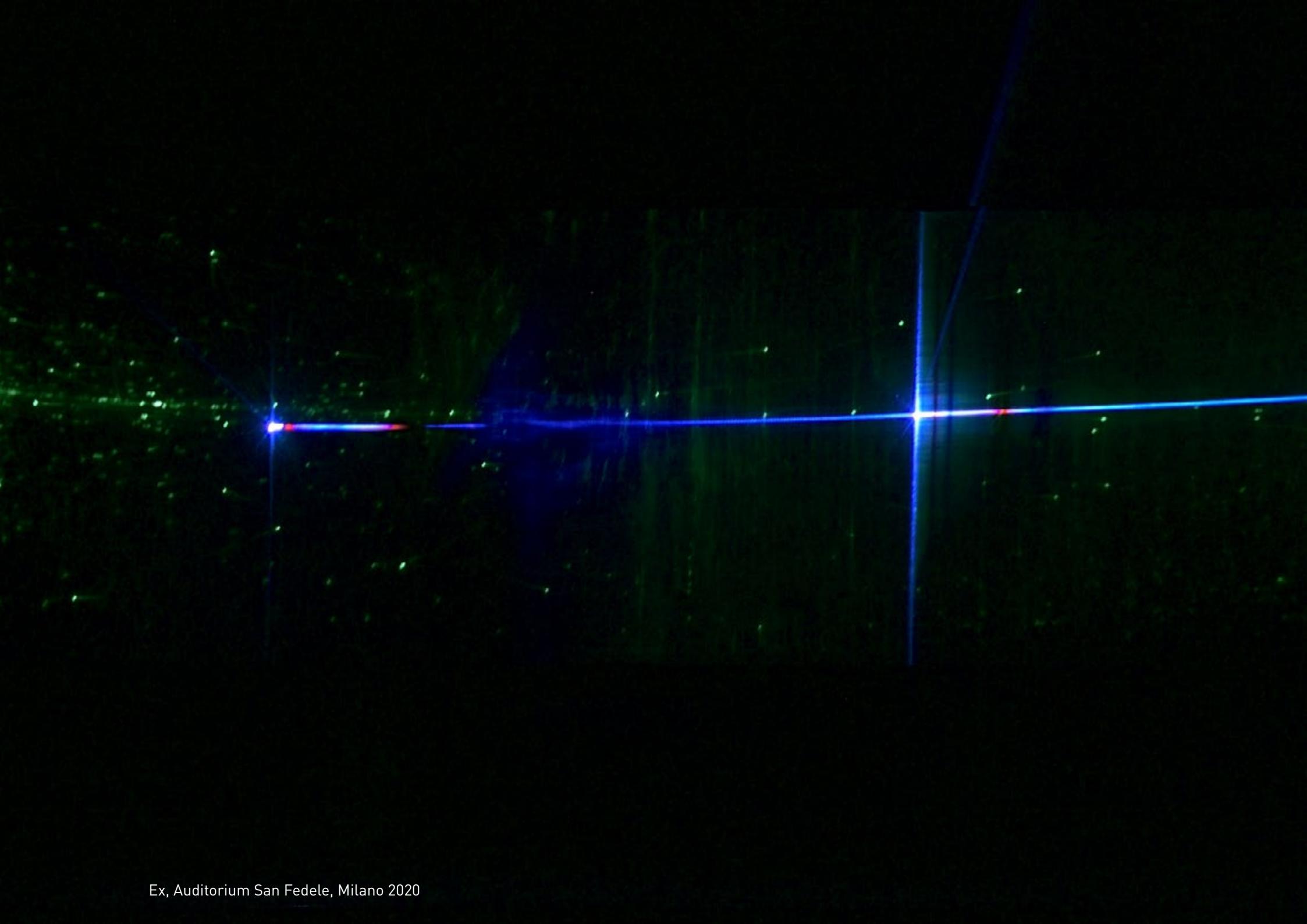
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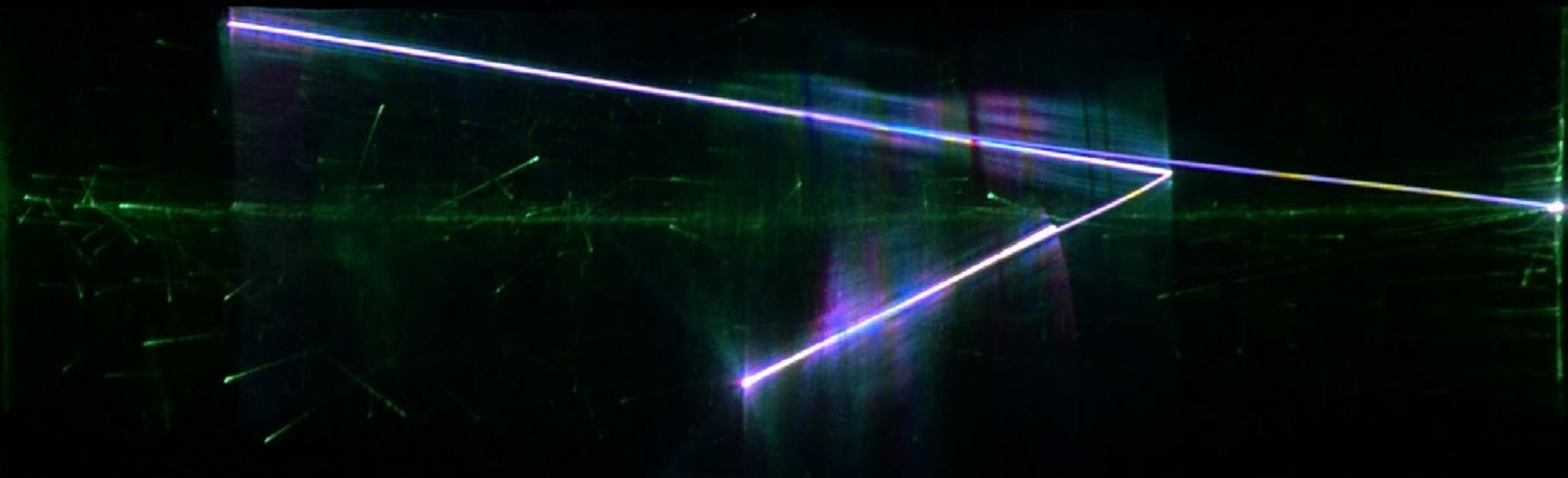
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