

# Recent Lessons in Engagement Abroad

at the

CERN

Media Lab

Joao Pequeno - CERN Media Lab

IPPOG, 29 November 2019

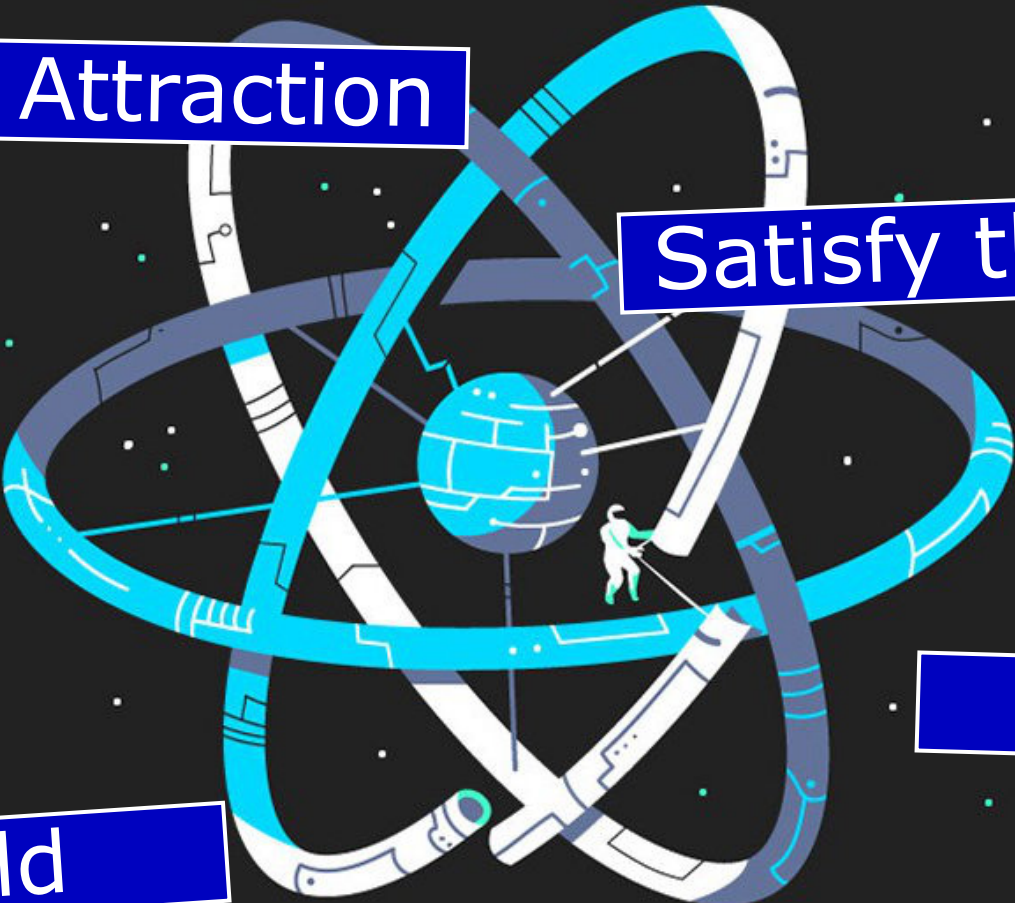
# CERN Exhibits

Top Tourist Attraction

Satisfy the Public's Interest

Stay Up-To-Date

Lead in the Field



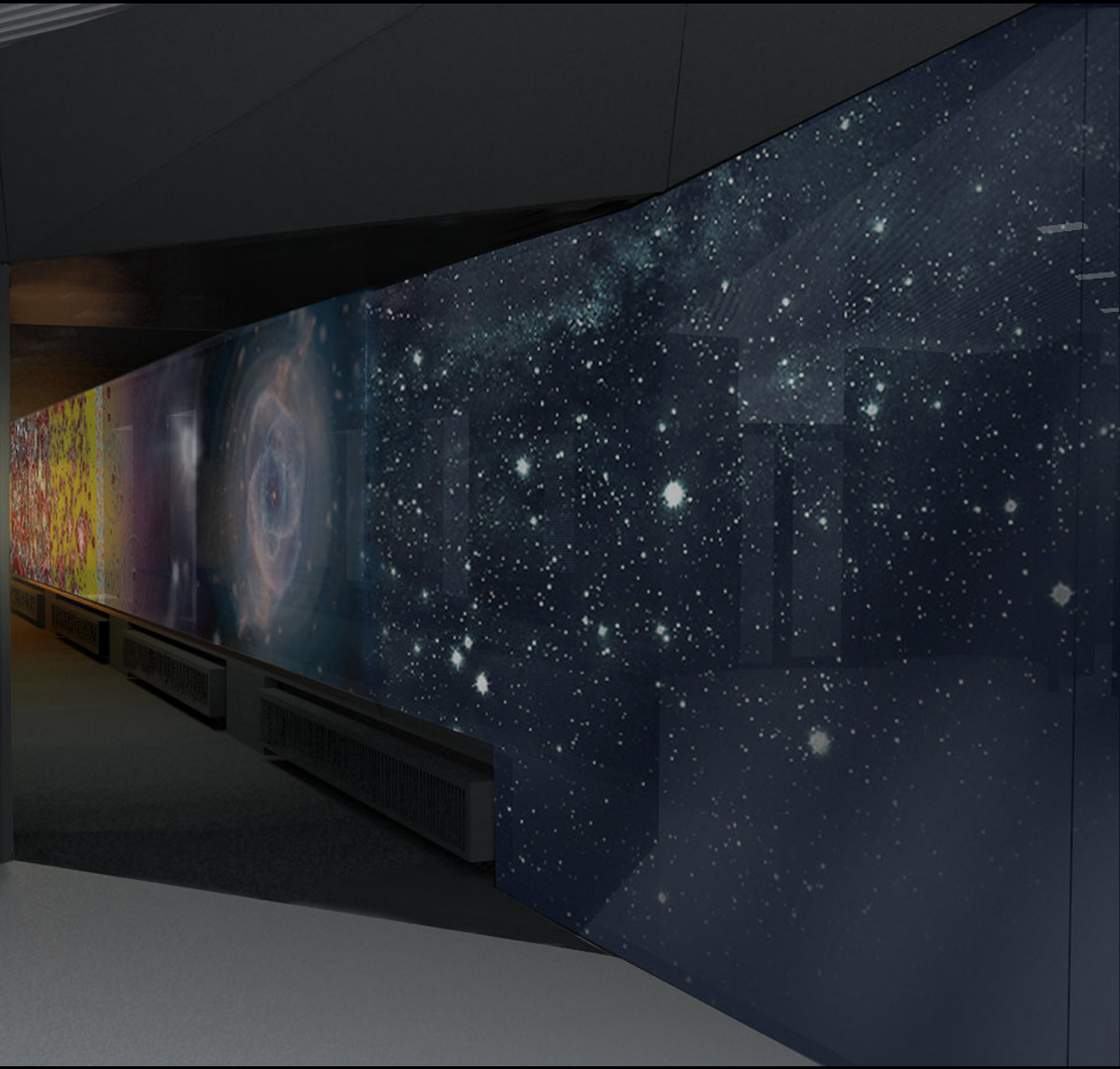


# Universe of Particles



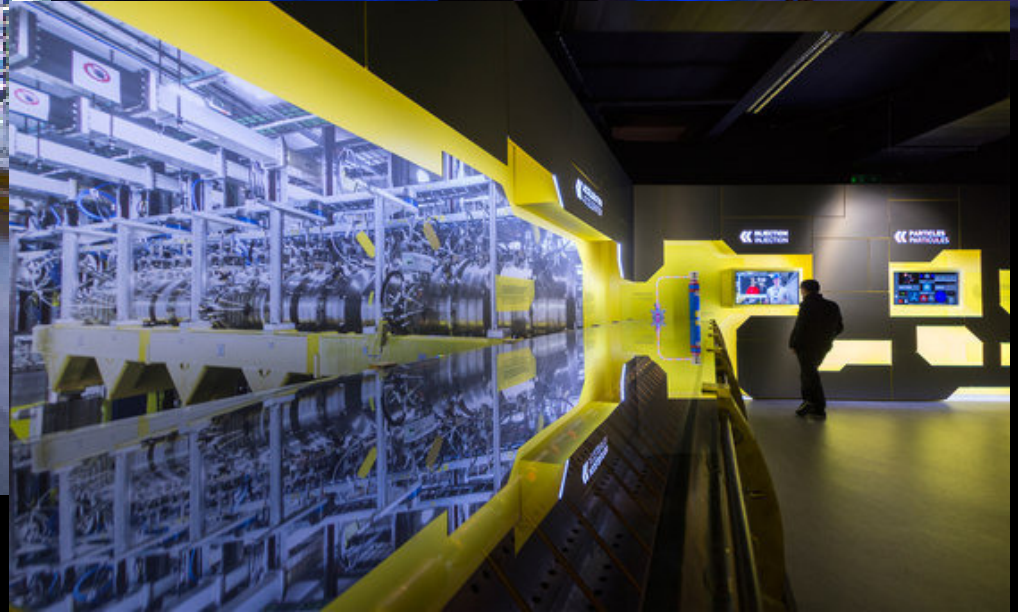


microcosm





# Microcosm

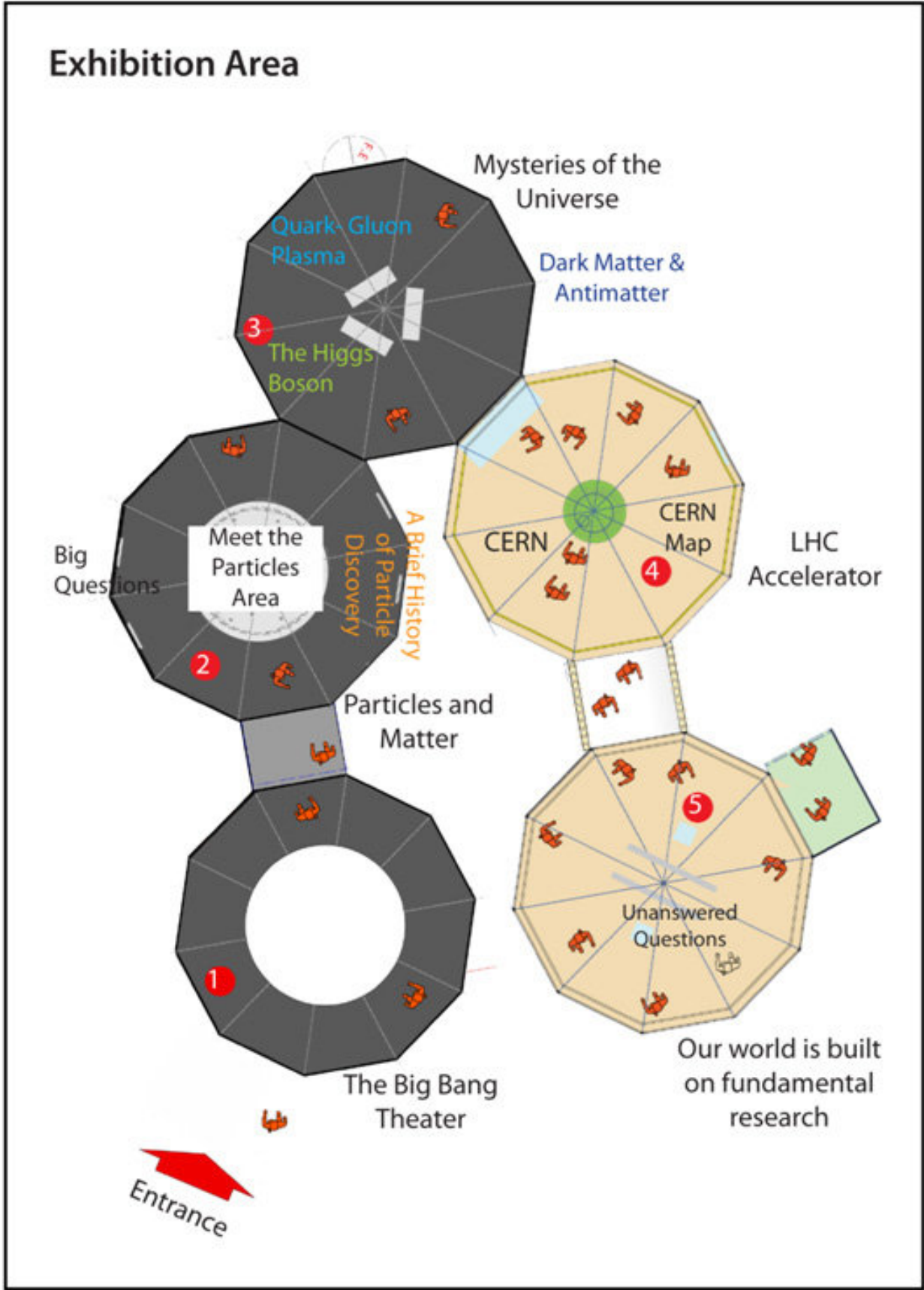








# Accelerating Science







# LHC Interactive Tunnel

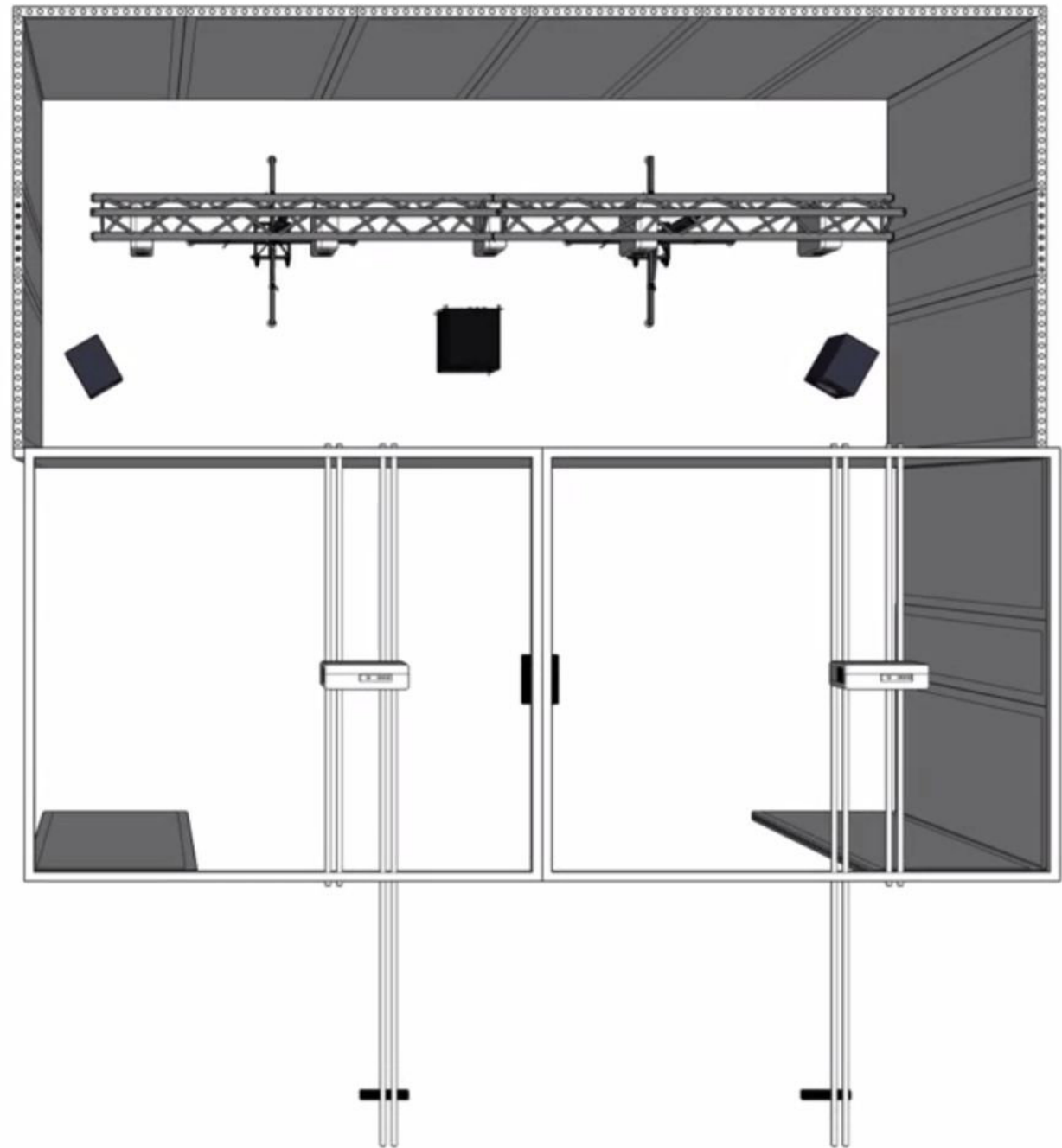


# // DIMENSIONS

- Height - 3m
- User area - 6m x 2.5m
- Total floor area - 6m x 6m

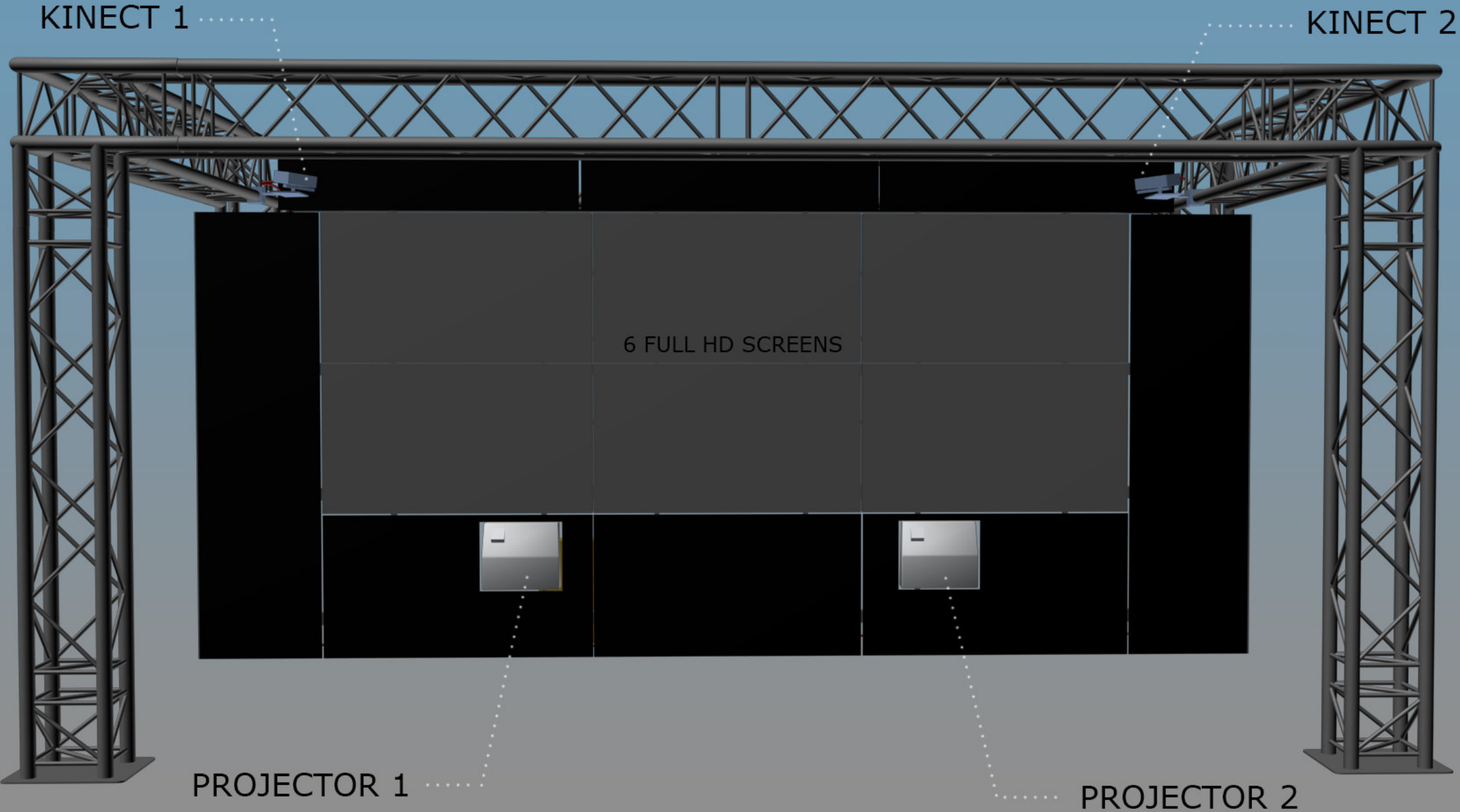
LIT

Mark I



# LIT - Anatomy

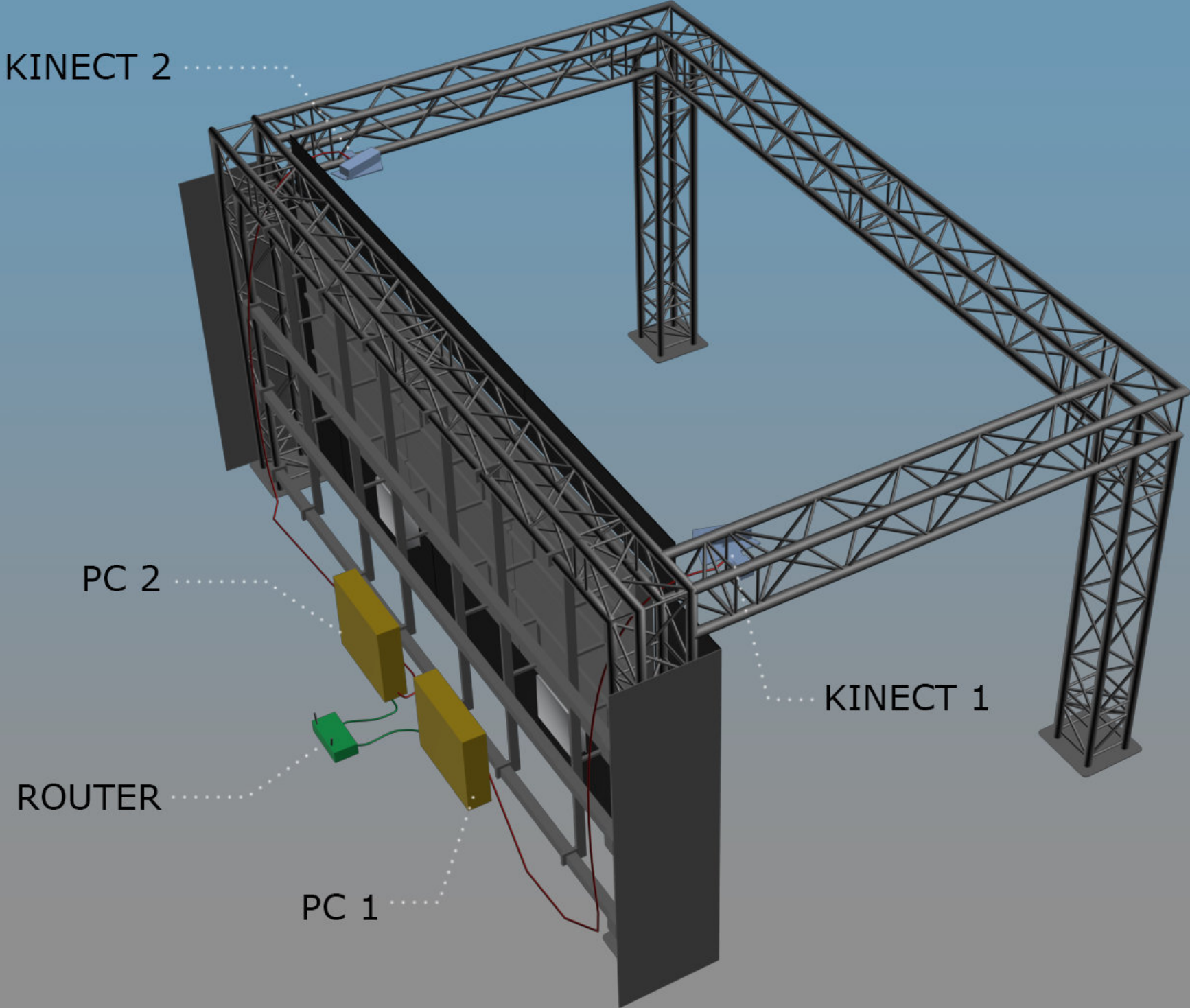
Mark II





# LIT - Anatomy

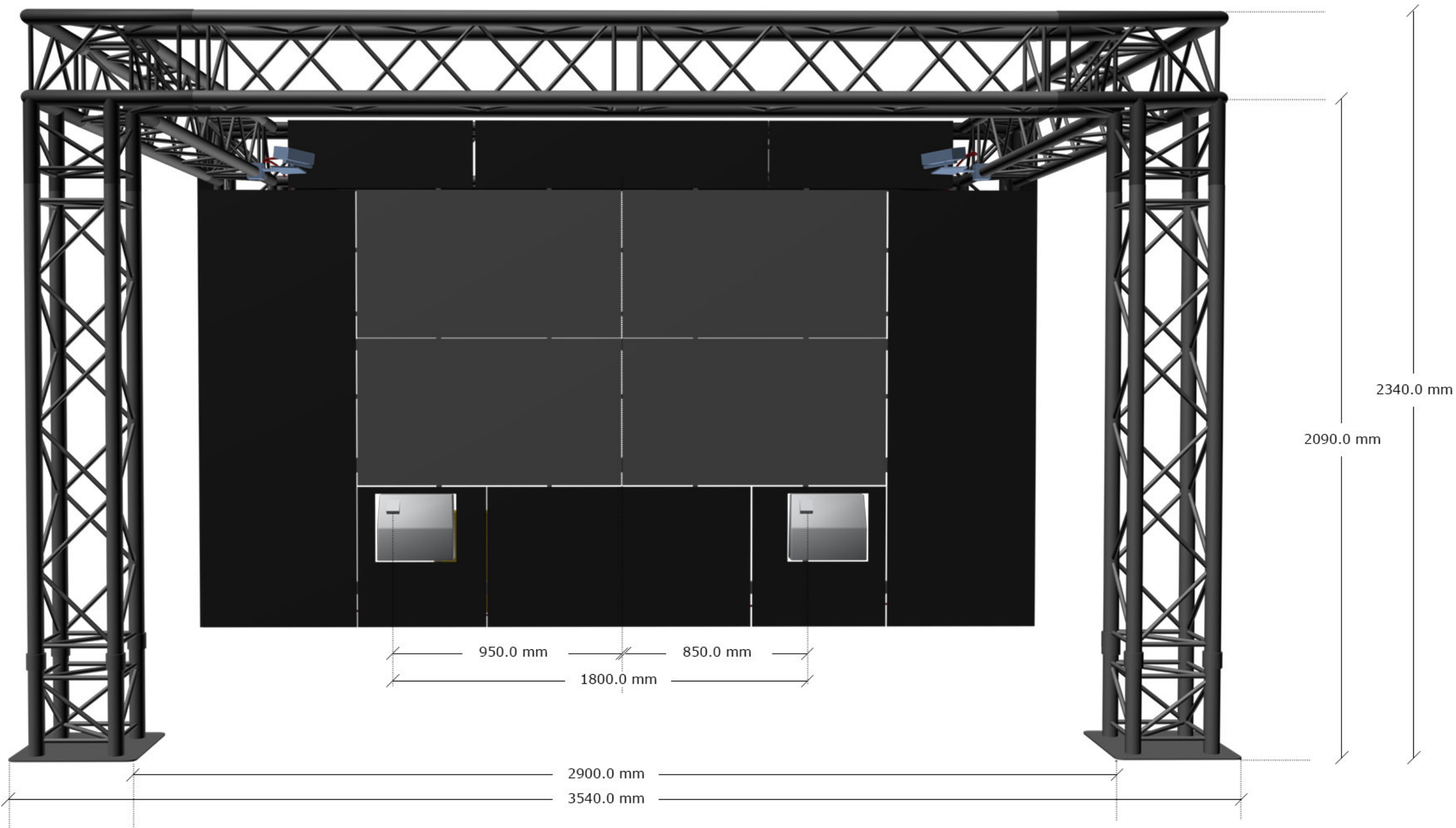
Mark III





# LIT - Anatomy

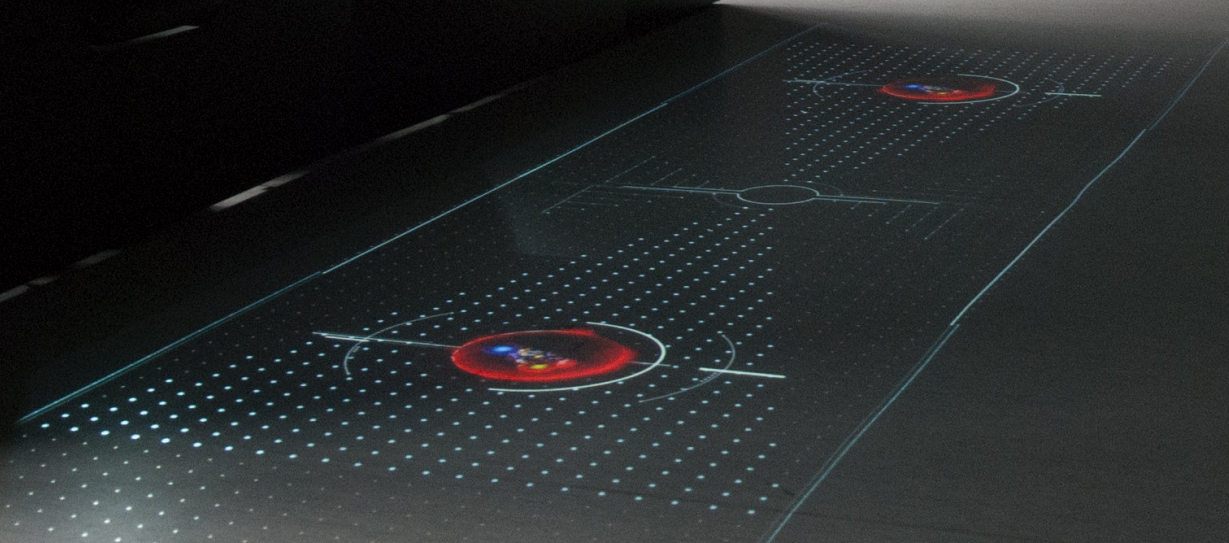
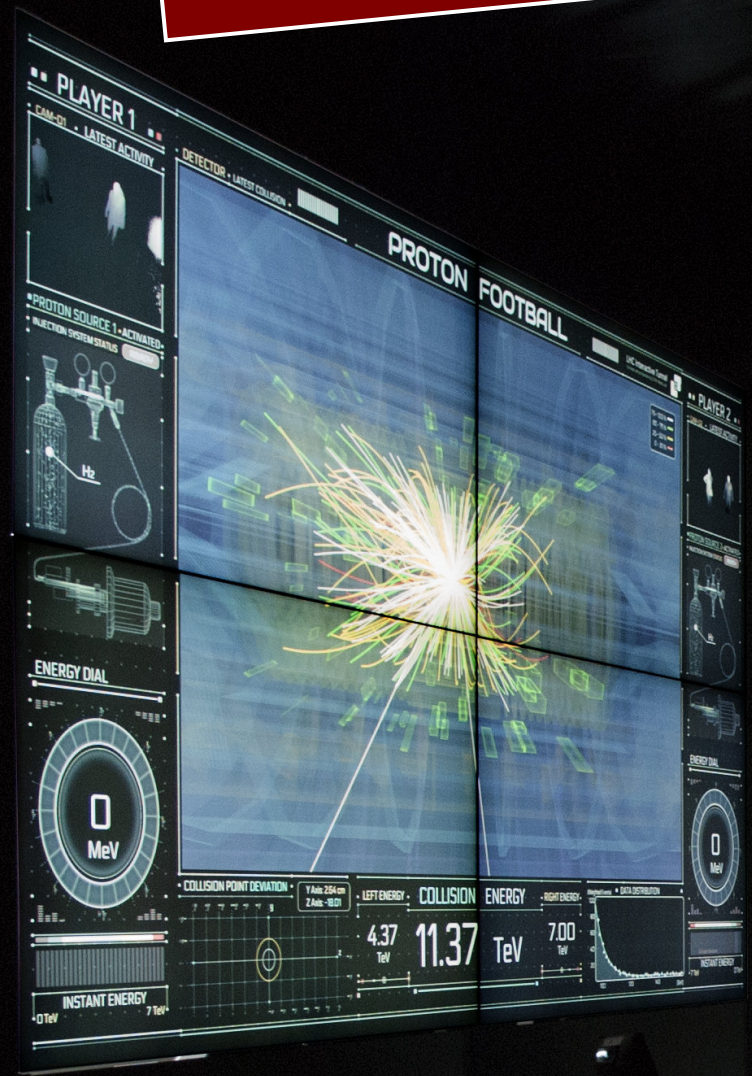
## Mark III





# LIT - Anatomy

# Mark III

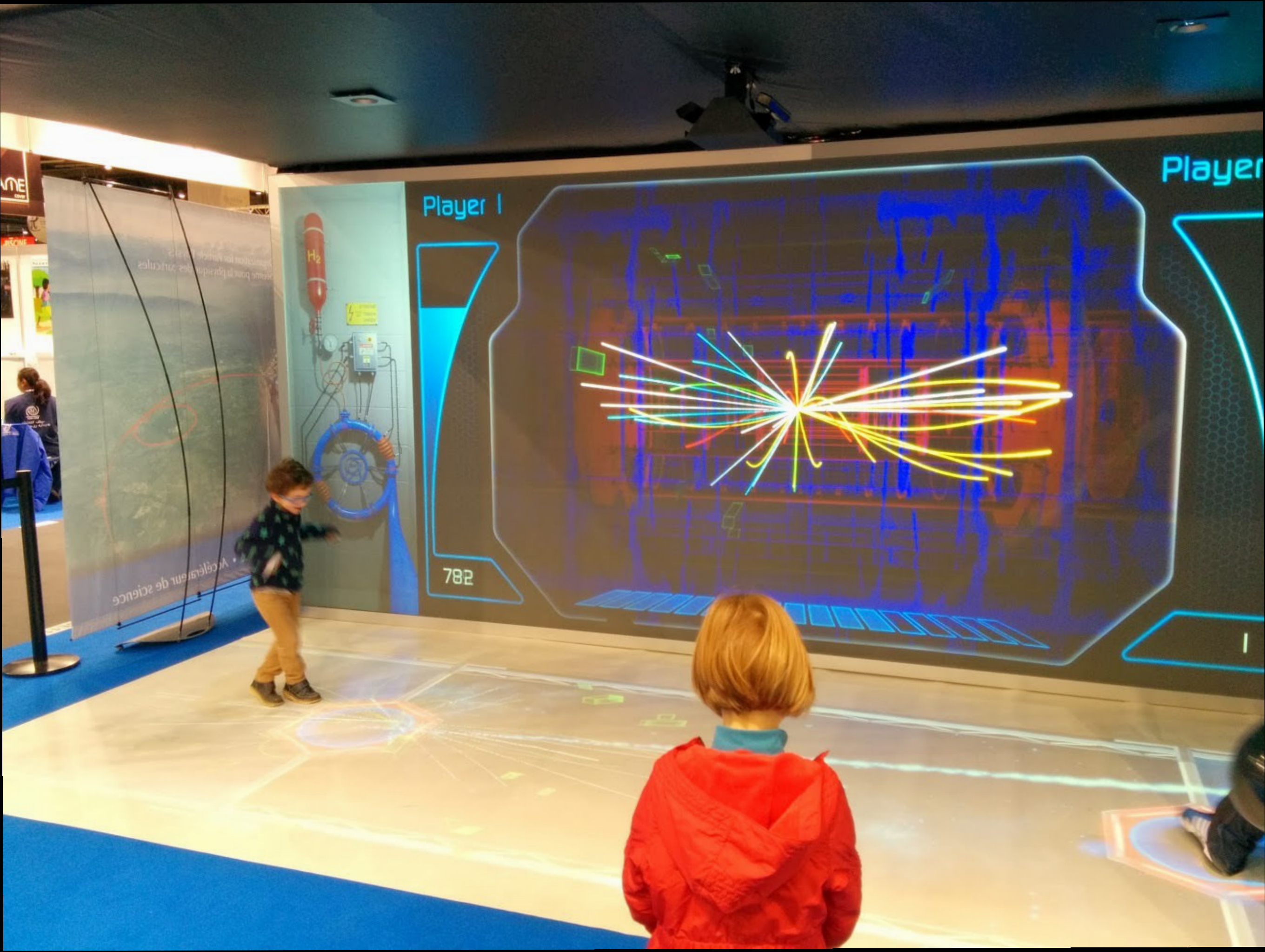




# Proton Football







Player 1

Player 2

782

Accélérateur de science

ME

RECH



PLAYER 1

# ANGRY BIRDS

PLAYER 2

4001

5000



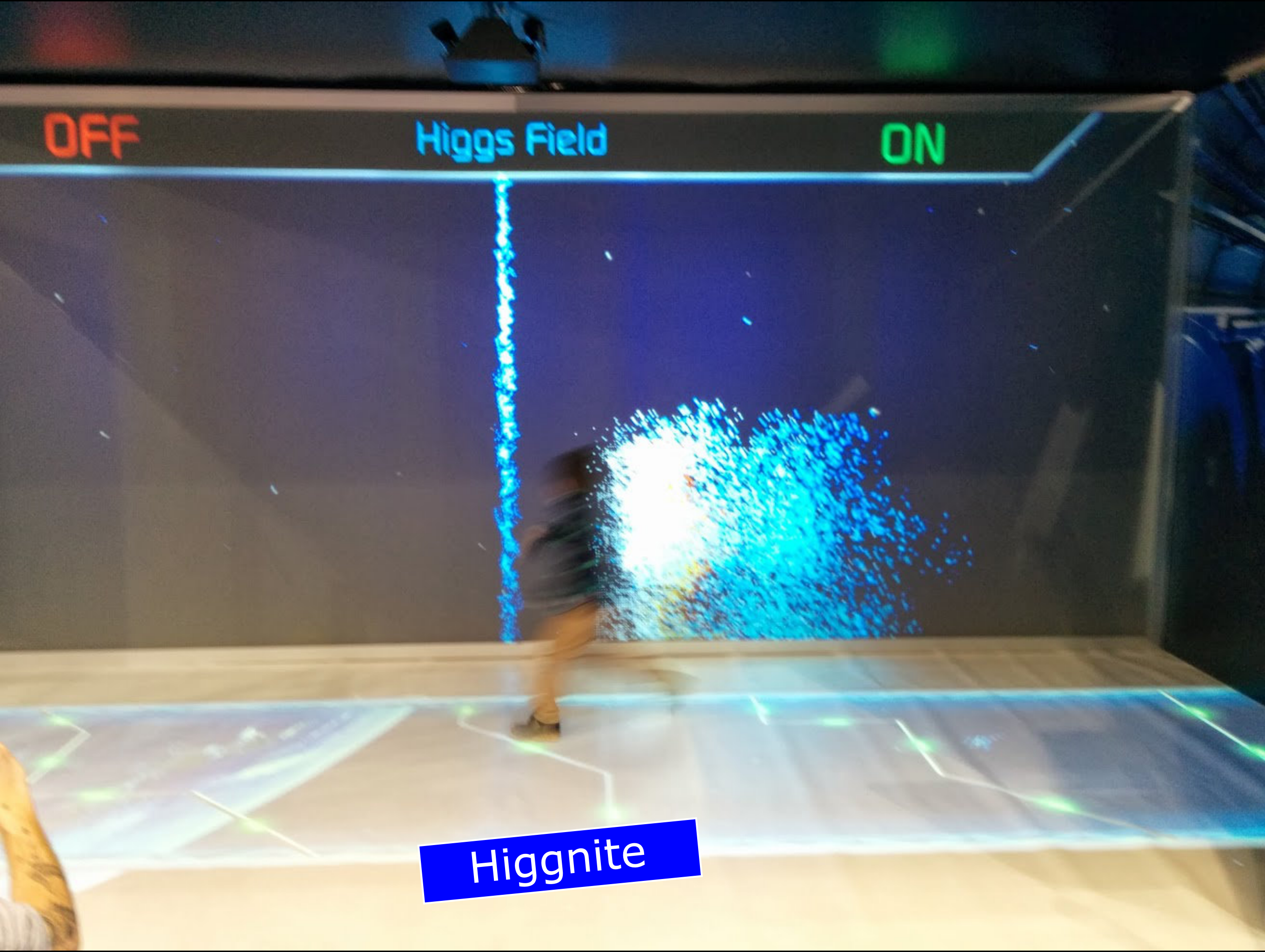


OFF

Higgs Field

ON

Higgnite





ON

Higgs Field

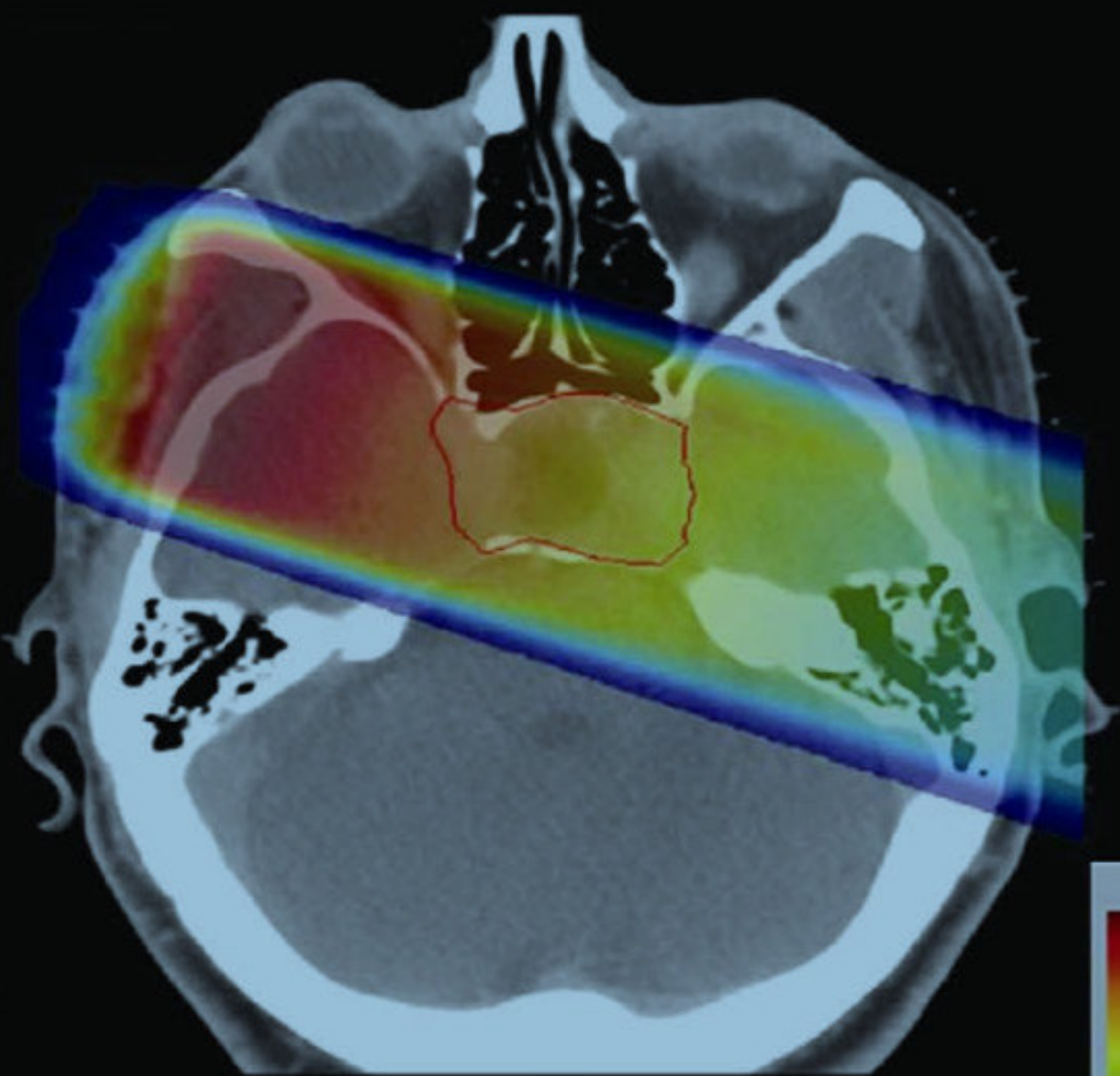
OFF



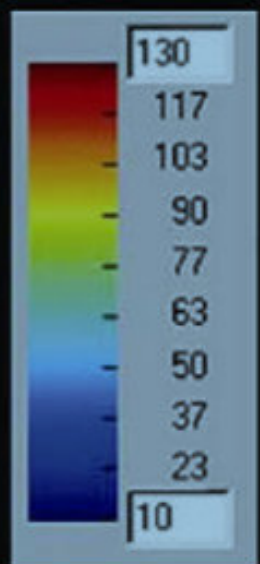
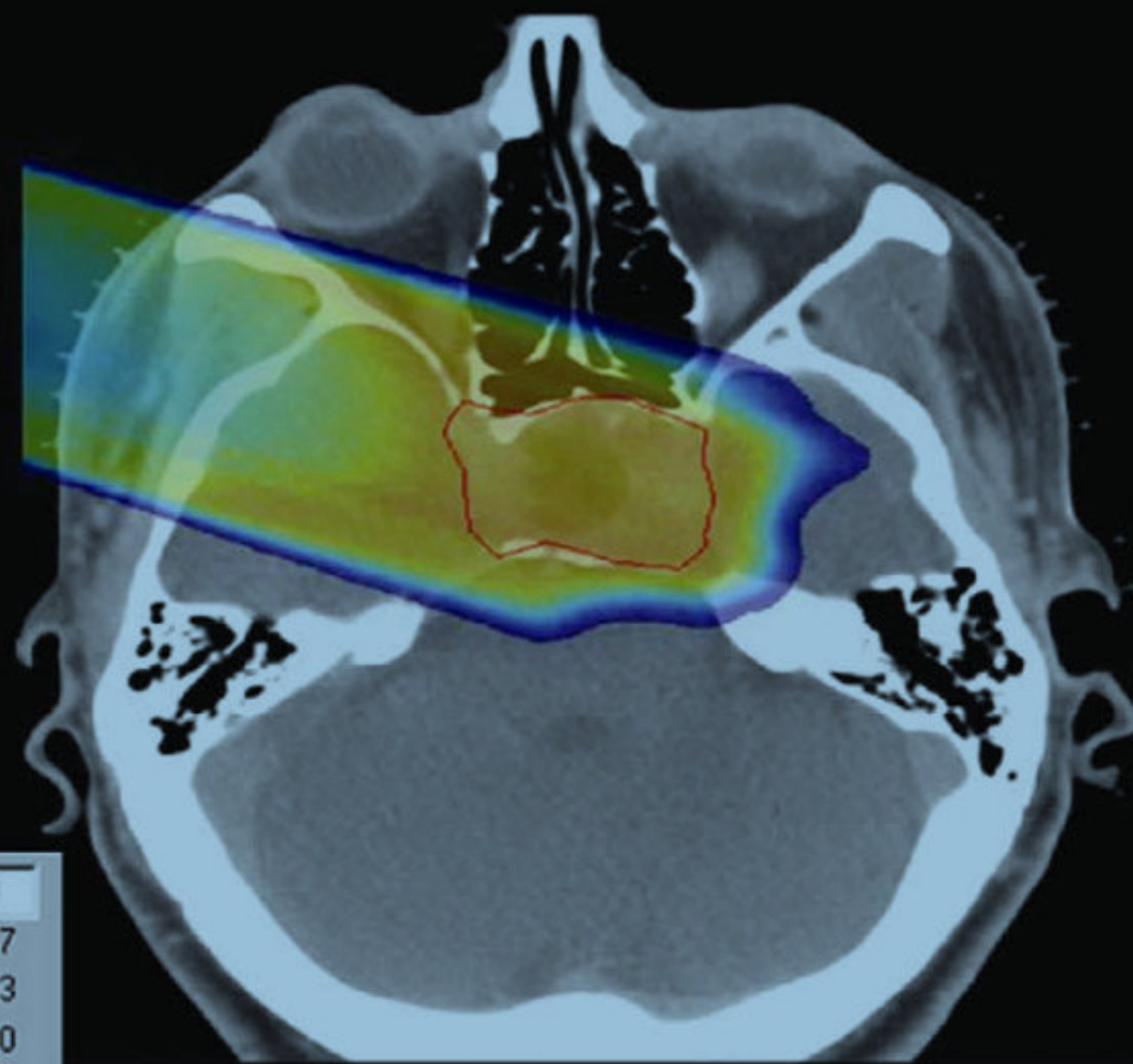


# Hadron Therapy

Photons



Protons





# HEAL

Hadron

Emission

Applications

Lab

The display is divided into several functional panels:

- ADJUSTMENT**: Includes a **BEAM POINT** indicator set to **0.56 cm**.
- GANTRY ALIGNMENT**: Shows a **GANTRY ANGLE** of **55°**.
- Brain Model**: A 3D visualization of a brain with a red laser beam passing through it. Technical data for the beam path is displayed:
  - Angle: 65.04
  - Parallel: 2.54
  - Pos: (21.9, 4.6, 9.7)
  - Offset Displacement: (-16.8, -4.6, -3.2)
  - Energy: -1.00
  - Energy Right: -1.00
- HEAL PROTON THERAPY LHC Interactive Tunnel**: A control panel on the right with a **GANTRY ACTIVITY** graph, a **GANTRY ROTATION** dial set to **55.0°**, and a **DEPTH CONTROL** slider set to **0.5 MeV**.
- STATUS**: Includes **STATUS WORKING STATE** (TR 1) and **GANTRY CONTROL MEMORY**.
- USER LOCATED AT POSITION 1 OFF** and **USER LOCATED AT POSITION 2 ON** are visible at the bottom of the display.



# HEAL

Hadron

Emission

Applications

Lab





# EGL

EGL · EXPLORER OF GRID LINKS · LHC Interactive Tunnel  
Concept and production by CERN Media Lab

COMMANDS

### LAST DATA UPDATE

9.7 MB Downloaded Friday, 13 September 2019 14:53:09  
Last transfer was on : Monday, 29 July 2019 08:00:00

LOADING  
100 %



### EXPERIMENTS SELECTION

- ALICE
- ATLAS
- CMS
- LHCb
- OTHERS

### TIERS SELECTION

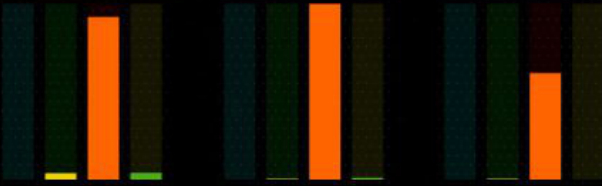
- T0
- T1
- T2
- T3

### COUNTRIES SELECTION

NO COUNTRY SELECTED

- No Country Selected
- Afghanistan
- Aland
- Albania
- Algeria
- American Samoa
- Andorra
- Angola
- Antigua

### VOLUME TRANSFERS VOLUME FILES VOLUME DATA



### DATA TRANSFER CONSOLE

D From VANDERBILT To CIT\_CMS\_T2 Sunday, 28 July 2019 23:02:06  
 45140300.0B66807 From INFN-BARI To RU-Protvino-HEP Sunday, 28 July 2019 23:02:34  
 849748440 From CSCS-LCD2 To XFN-PAU-T3 Sunday, 28 July 2019 23:04:39  
 893429988 From DESY-HH To USCMS-FNAL-WC1 Sunday, 28 July 2019 23:04:40  
 D From USCMS-FNAL-WC1 To DESY-HH Sunday, 28 July 2019 23:04:53  
 705817303.5 From CSCS-LCD2 To INFN-CLIC-2 Sunday, 28 July 2019 23:05:03  
 23261800.0 From CERN-PRD0 To UFlorida-HPC Sunday, 28 July 2019 23:06:47  
 95447250.2020878 From HQPS-CC To CERN-PRD0 Sunday, 28 July 2019 23:06:07  
 169465157680493 From USCMS-FNAL-WC1 To CERN-PRD0 Sunday, 28 July 2019 23:06:40  
 21480480 From CSCS-LCD2 To Netbraska Sunday, 28 July 2019 23:07:00  
 14.82010220133333 From SPRACE To UKI-SOUTHGRID-BALFP Sunday, 28 July 2019 23:07:05  
 D From BUDAPEST To UKI-SOUTHGRID-BALFP Sunday, 28 July 2019 23:07:10  
 143328024 From CERN-PRD0 To UFlorida-HPC Sunday, 28 July 2019 23:10:16  
 782718152 From IN2P3-CMS-HEP To Netbraska Sunday, 28 July 2019 23:11:23  
 04834777 From INFN-LCD2 To CERN-PRD0 Sunday, 28 July 2019 23:11:28  
 829311445.9 From INFN-BARI To CIT\_CMS\_T2 Sunday, 28 July 2019 23:11:35  
 0789183.5 From INFN-T1 To UKI-SOUTHGRID-OK-HEP Sunday, 28 July 2019 23:11:57  
 451058428.02381 From CERN-PRD0 To BUDAPEST Sunday, 28 July 2019 23:12:14  
 180208 From CIT\_CMS\_T2 To GRIFF Sunday, 28 July 2019 23:13:04  
 852836711866867 From USC012 To VANDERBILT Sunday, 28 July 2019 23:13:30  
 D From JINR-T1 To INFN-BARI Sunday, 28 July 2019 23:14:20  
 D From UERJ To MIT\_CMS Sunday, 28 July 2019 23:14:55

CURRENT DATA  
 Cores : 851279  
 HepSpec : 1234639913148

STATUS  
 Online Storage : Not Available  
 Nearline Storage : Not Available

VIEW MODE

TOGGLE



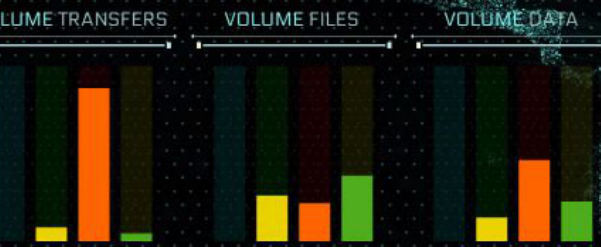
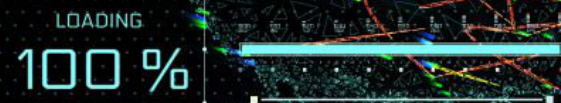
# EGL

EGL EXPLORER OF GRID LINKS LHC Interactive Tunnel  
Concept and production by CERN Media Lab

COMMANDS

### LAST DATA UPDATE

9.7 MB Downloaded Friday, 13 September 2019 14:53:09  
Last transfer was on : Monday, 29 July 2019 08:00:00



### DATA TRANSFER CONSOLE

264.000 From CERN-PROD To GRF Monday, 29 July 2019 04:10:04  
D From UK-2021H090-HALF To BLOW Monday, 29 July 2019 04:12:05  
165830772 From INF-T1 To INF-T1 Monday, 29 July 2019 04:12:10  
1378779876.33333 From CSCS-LCG2 To INF-UK-2 Monday, 29 July 2019 04:12:10  
2005786389 From SPRACE To INF-T1 Monday, 29 July 2019 04:12:20  
D From INF-UK-2 To CSCS-LCG2 Monday, 29 July 2019 04:12:25  
22443295.855556 From INF-CC To prapant2 Monday, 29 July 2019 04:13:03  
498899.26666667 From UK-SOUTHBRID-UK-HEP To CERN-PROD Monday, 29 July 2019 04:13:11  
D From INF-T1 To CT\_CMS\_T2 Monday, 29 July 2019 04:14:30  
D From VarsDB To CSCS-LCG2 Monday, 29 July 2019 04:15:07  
13885768.379204 From RIJ-Pratvico-IHEP To CERN-PROD Monday, 29 July 2019 04:15:10  
16844974 From CSCS-LCG2 To RIJ-Pratvico-IHEP Monday, 29 July 2019 04:15:45  
452086039.3 From INF-T1 To INF-CC Monday, 29 July 2019 04:17:15  
100394088 From INF-T1 To CSCS-LCG2 Monday, 29 July 2019 04:18:08  
D From GRF To CSCS-LCG2 Monday, 29 July 2019 04:18:25  
2D From CERN-PROD To INF-CC Monday, 29 July 2019 04:19:37  
1026379315 From CERN-PROD To sharkos-IPIT-LCG2 Monday, 29 July 2019 04:20:27  
D From OJ\_CMS\_T2 To INF-T1 Monday, 29 July 2019 04:20:38  
1026379315 From BLOW To CERN-PROD Monday, 29 July 2019 04:20:58  
D From UFlorida-HEP To INF-T1 Monday, 29 July 2019 04:21:00  
D From UMwag27 To Nebraska Monday, 29 July 2019 04:23:03  
10239567201941 From MIT\_CMS To MIT\_CMS Monday, 29 July 2019 04:23:08

### EXPERIMENTS SELECTION

- ALICE
- ATLAS
- CMS
- LHCb
- OTHERS

### TIERS SELECTION

- T0
- T1
- T2
- T3

### COUNTRIES SELECTION

- NO COUNTRY SELECTED
- No Country Selected
  - Afghanistan
  - Aland
  - Albania
  - Algeria
  - American Samoa
  - Andorra
  - Angola
  - Antigua

CURRENT DATA  
Cores : 851279  
HepSpec : 1234639913148

STATUS  
Online Storage : Not Available  
Nearline Storage : Not Available

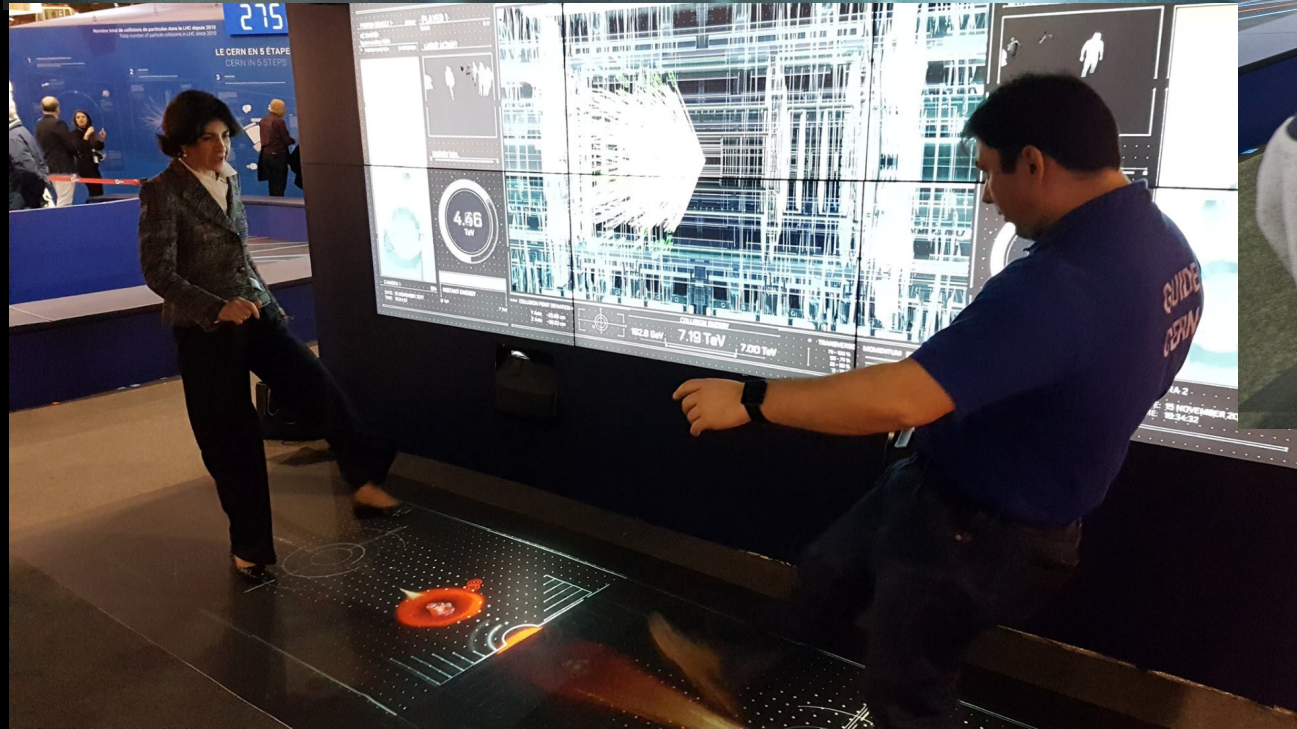
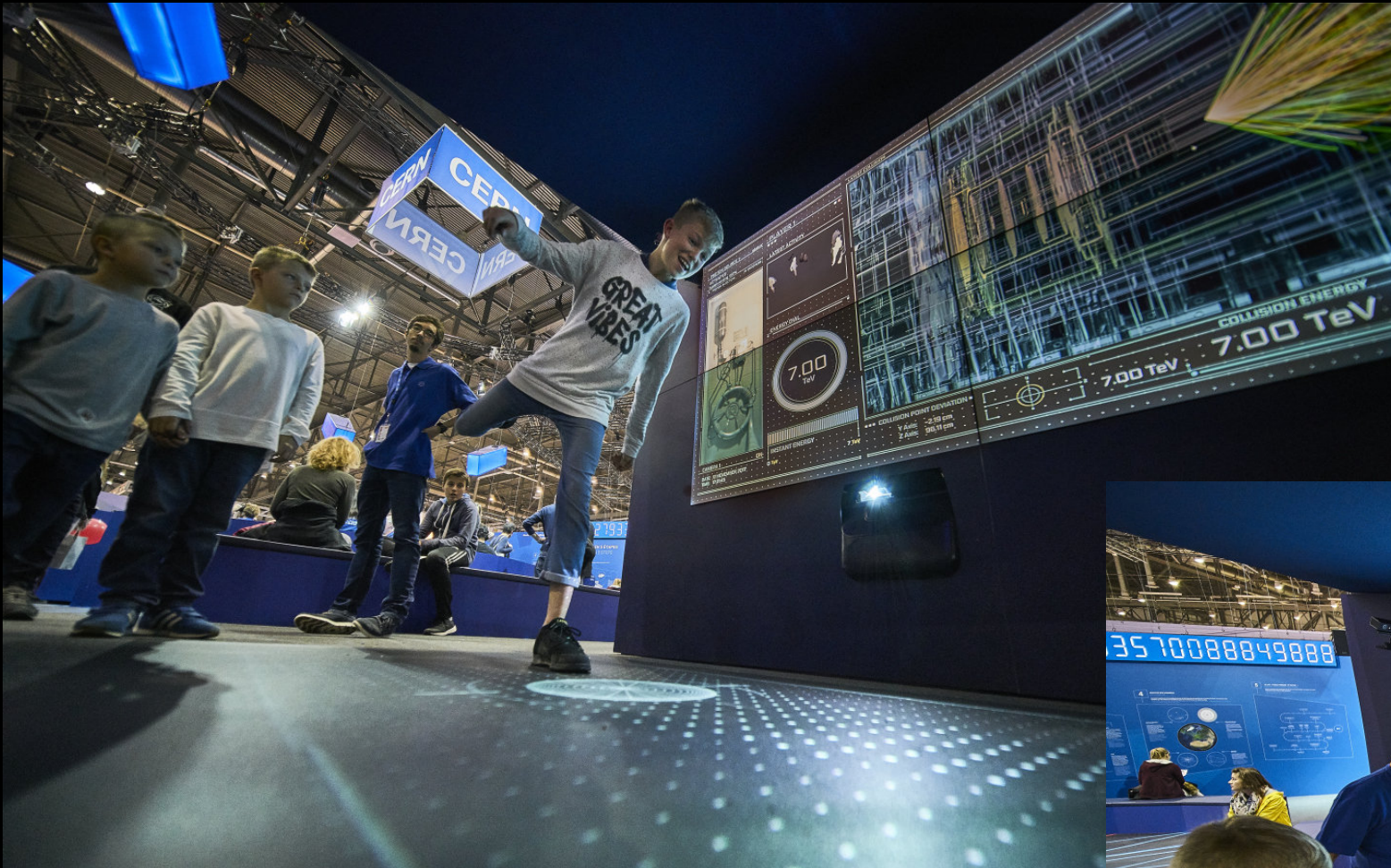
### VIEW MODE

TOGGLE













© Place Royale / RTV Belgium



# Bahrain Exhibit





# Bahrain Exhibit





# Bahrain Exhibit





# Kuwait Exhibit





# LIT - In Lahore

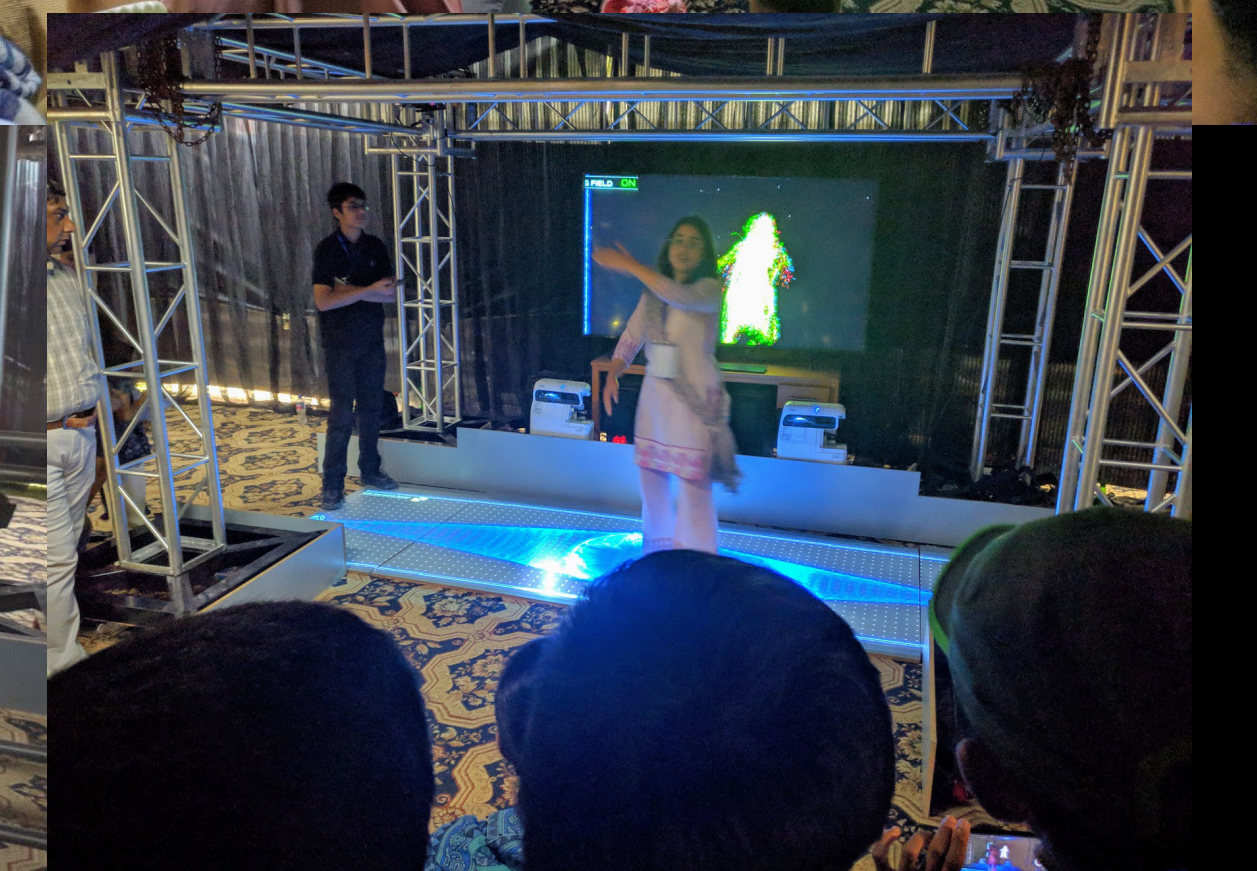
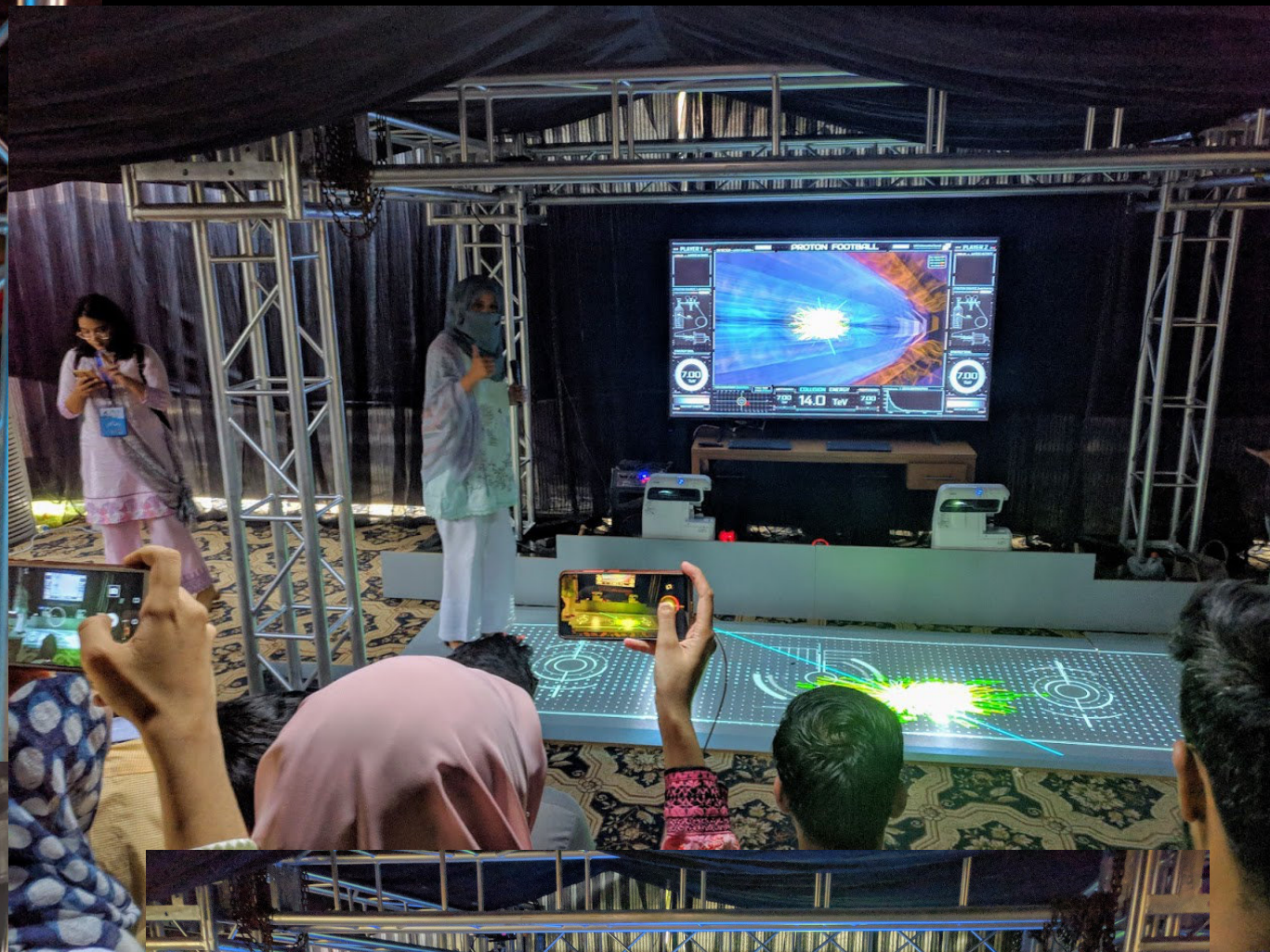




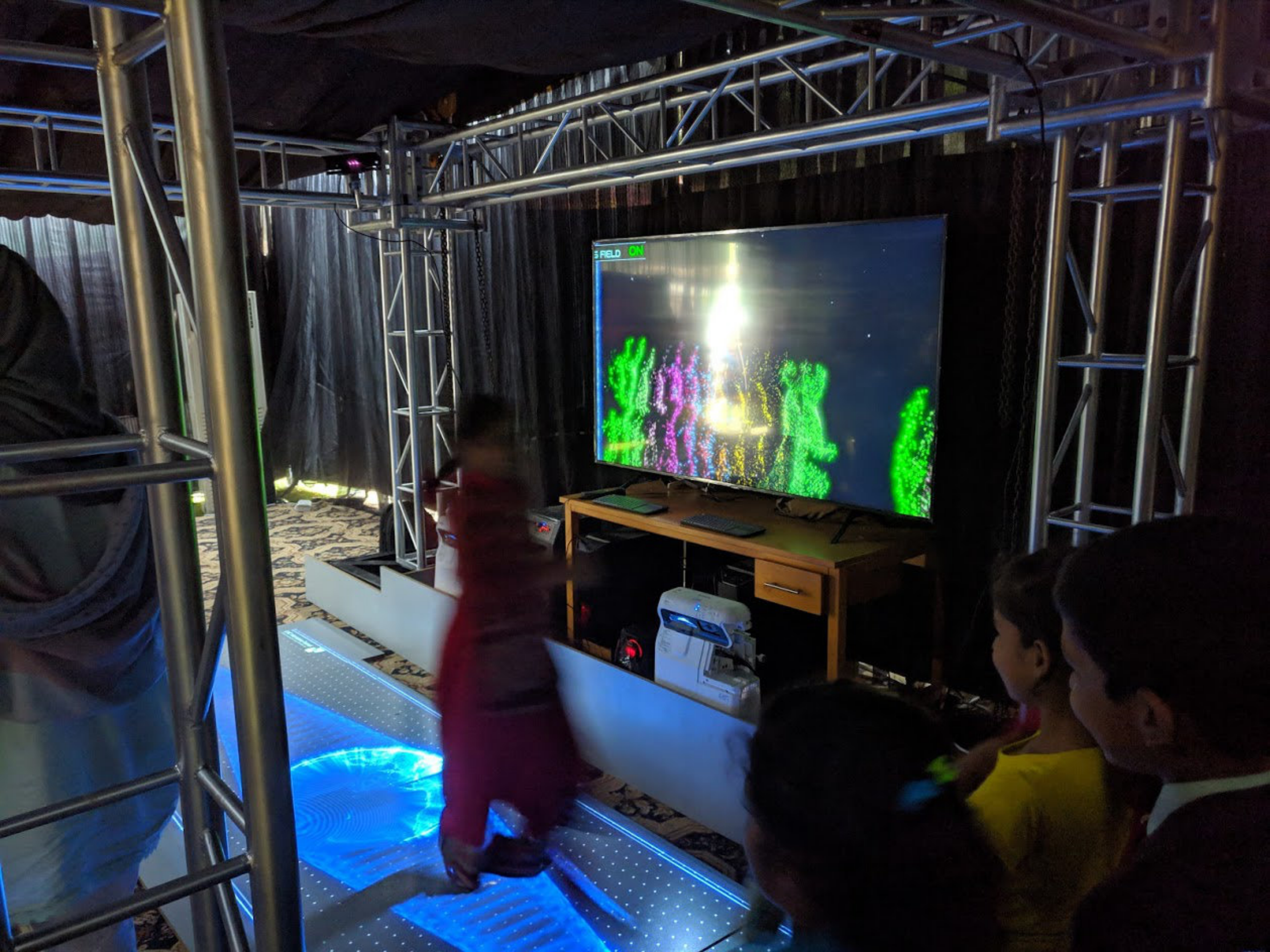


دیوہیکل سائنس سنٹر

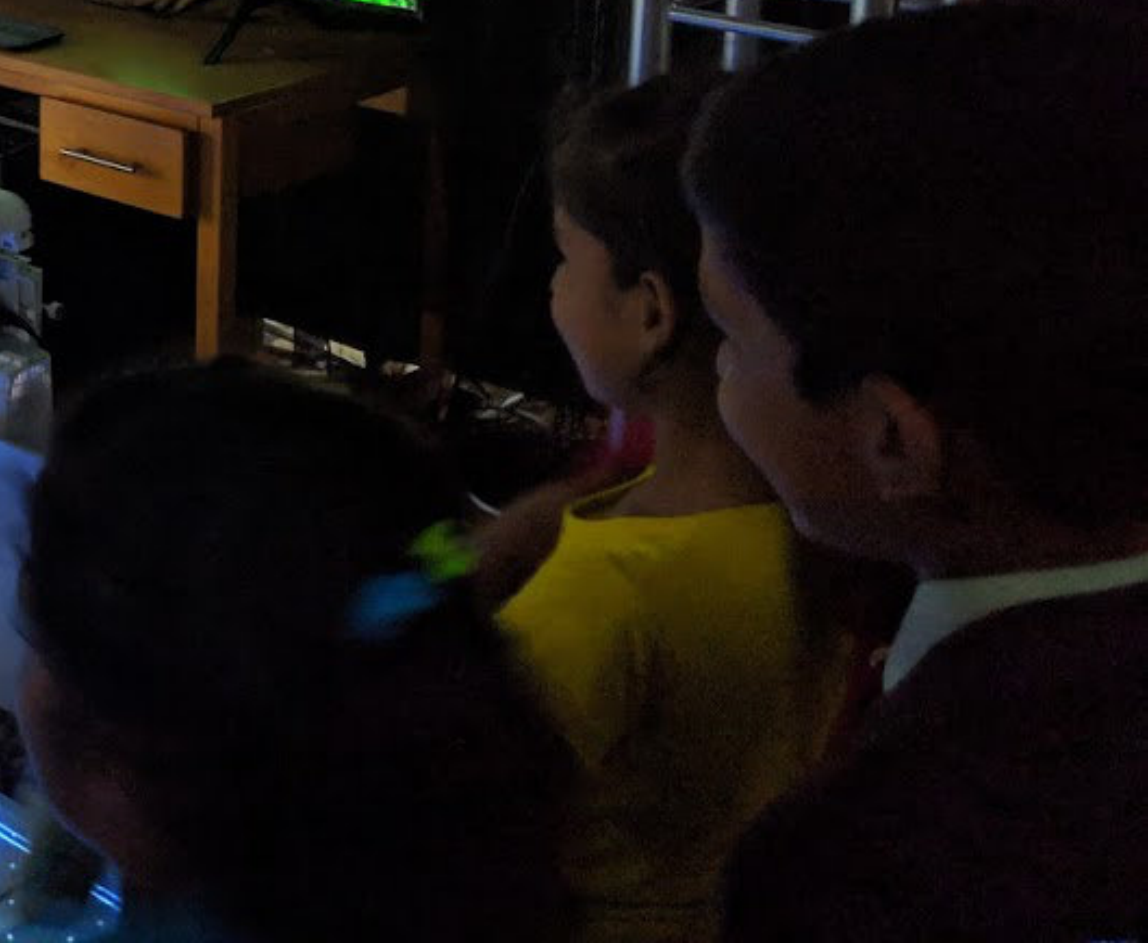
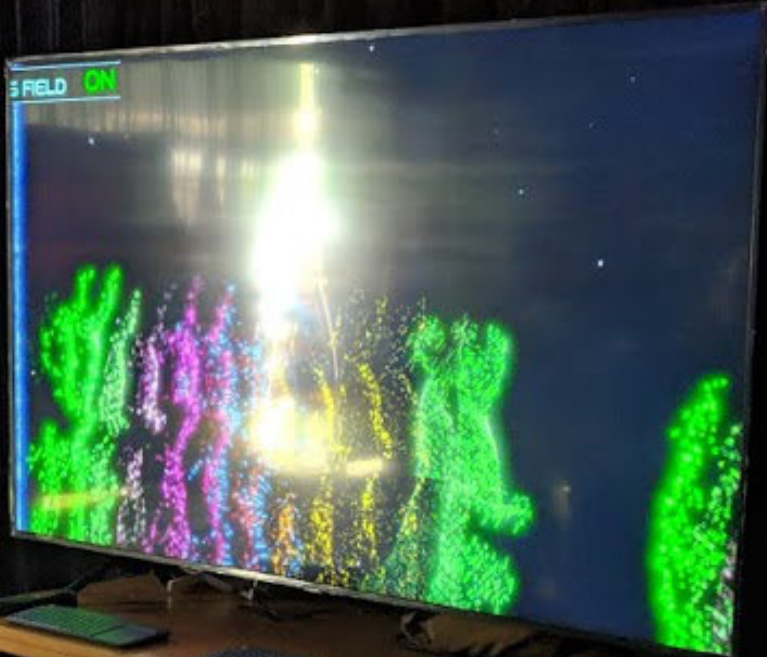




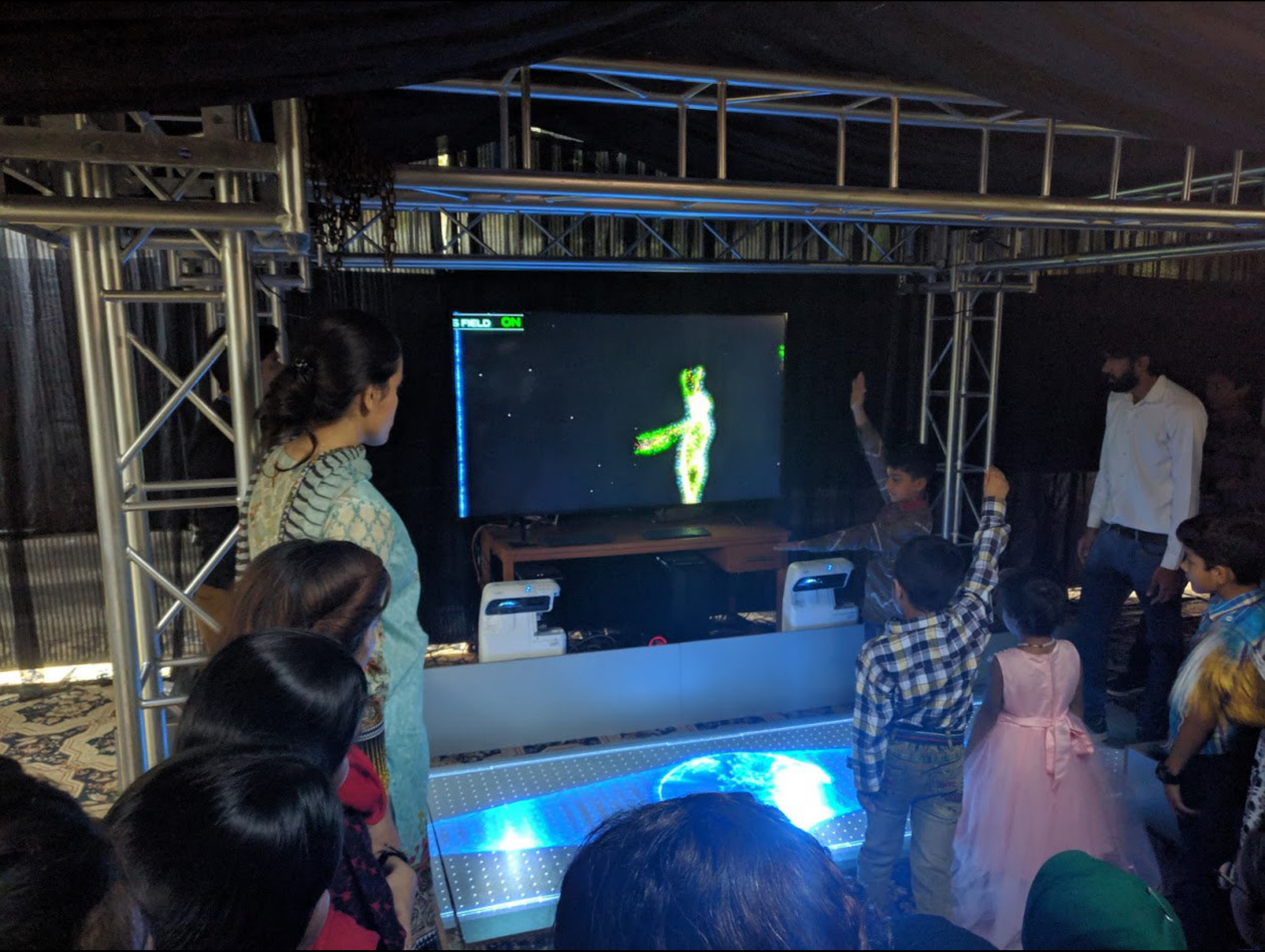




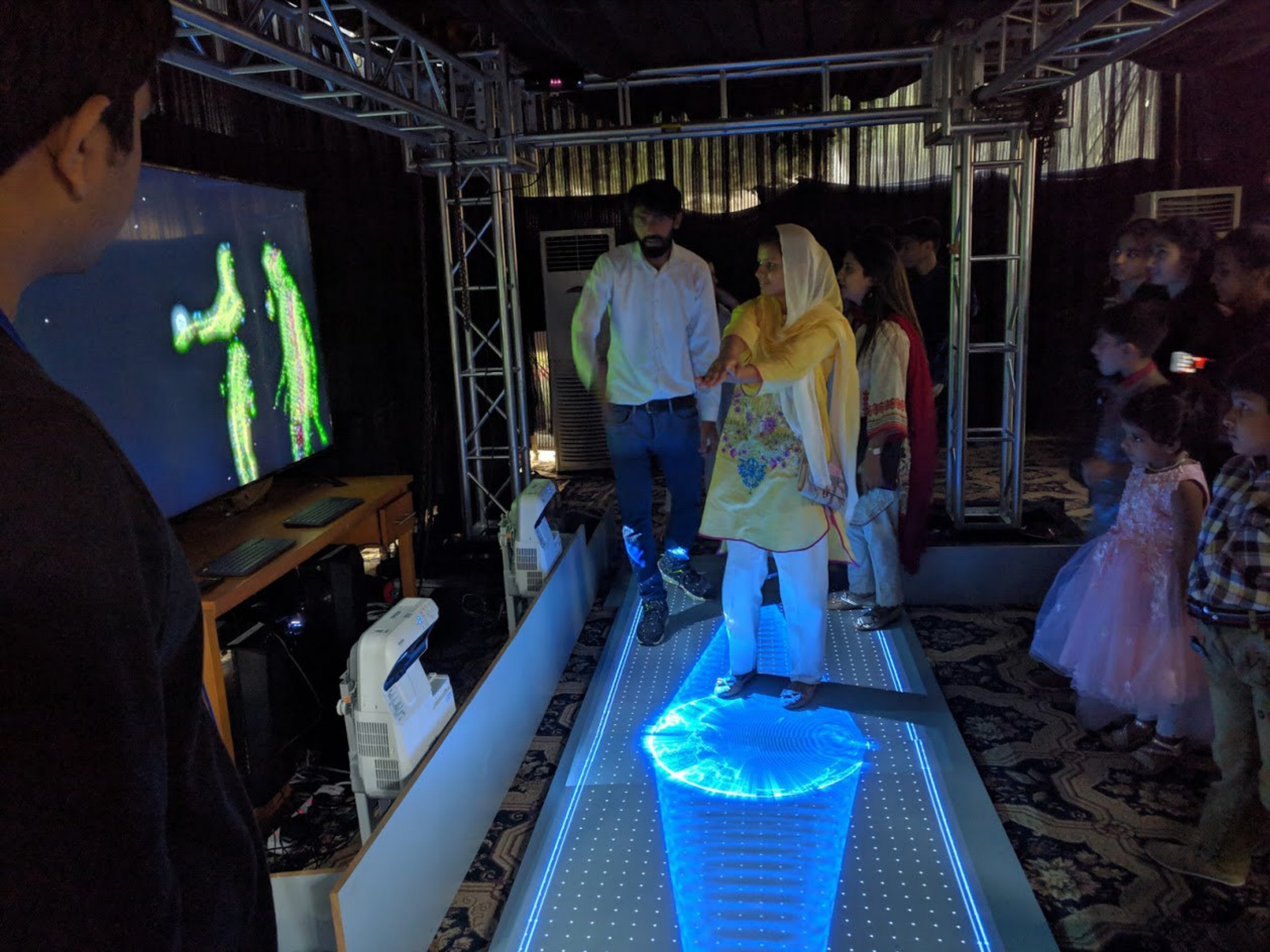
FIELD ON













Upgrade:

-Architecture

-Applications







*That's all Folks!*

For more info, visit  
[medialab.web.cern.ch](http://medialab.web.cern.ch)