

Value for Output Voltage

READINGS

Click on Add to table to add on the value for Voltage.

Output voltage:	200	mV
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Enter the voltage from millivoltmeter.

Output voltage:	200	mV
Beam Voltage:	282	
Reflector Voltage:	185	

Add To Table

Basic properties of E-plane Tee, H-plane Tee and Magic Tee

HELP

Components

Check Connections

E-Plane Tee

Reset

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Basic characteristics of E-Plane Tee : when Input is at Port 3 and Output is at Port 1

READINGS

Click on Add to table to add on the value for output at port 1.

Output at port 1:	124	mV
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Output at port 2: mV

Note down the voltage displayed in millivoltmeter.

Output at port 1:	124	mV
Beam Voltage:	282	
Reflector Voltage:	200	

Add To Table

Basic properties of E-plane Tee, H-plane Tee and Magic Tee

HELP

The virtual lab setup includes a Klystron power supply with a digital display showing 200. The power supply has a Reflector Voltage knob set to 200 and a Beam Voltage knob set to 282. A red wire connects the power supply to the waveguide assembly. The waveguide assembly has three ports labeled 1, 2, and 3. A millivoltmeter is connected to the waveguide assembly and shows a reading of 124mV. The interface also includes a table for readings and a button to add data to the table.

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Basic characteristics of E-Plane Tee : when Input is at Port 3 and Output is at Port 2

READINGS

Click on Add to table to add on the value for output at port 2.

Output at port 1: 124 mV

Output at port 2: 127 mV

Note down the voltage displayed in millivoltmeter.

Output at port 2: 127 mV

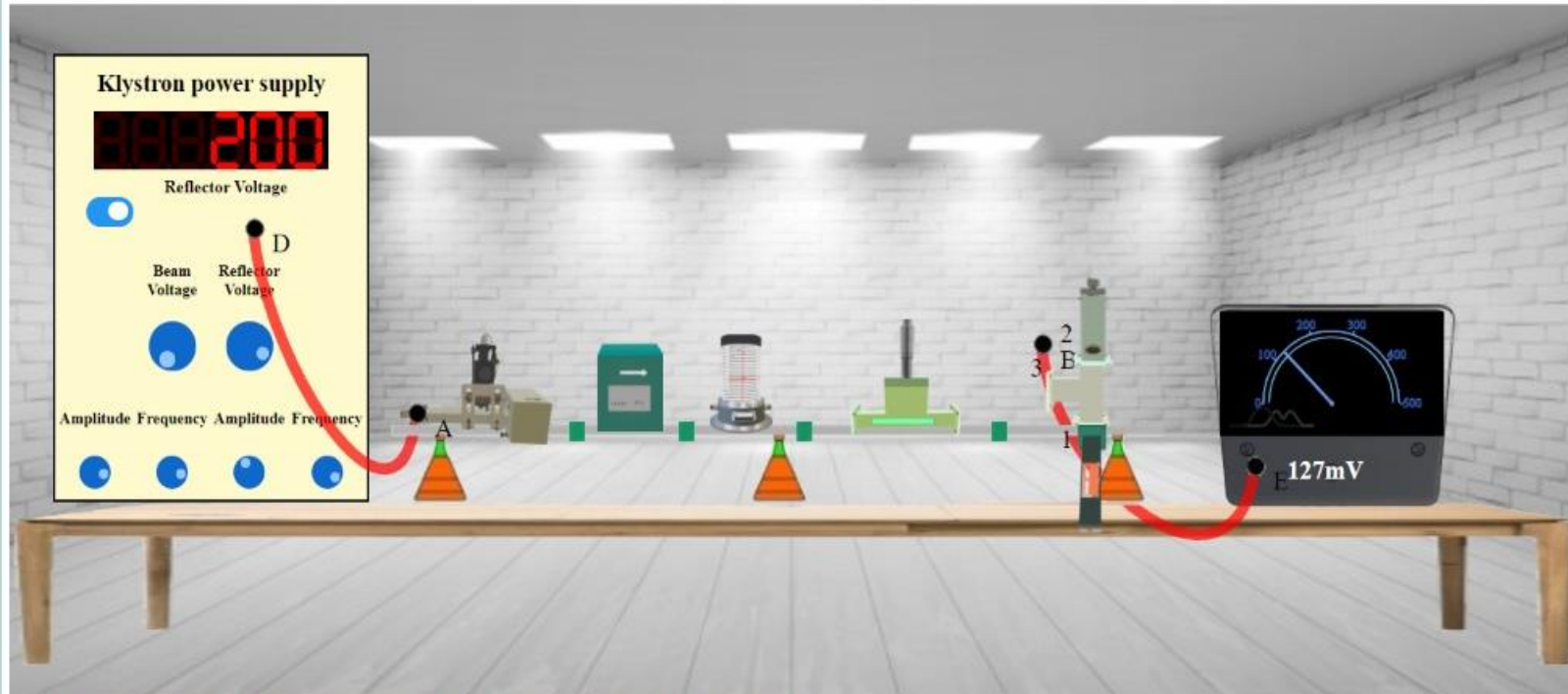
Beam Voltage: 282

Reflector Voltage: 200

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Basic properties of E-plane Tee, H-plane Tee and Magic Tee

HELP



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H-Plane Tee

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Basic characteristics of H-Plane Tee : when Input is at Port 3 and Output is at Port 1

READINGS

Click on Add to table to add on the value for output at port 1.

Output at port 1: 90 mV

Output at port 2: mV

Note down the voltage displayed in millivoltmeter.

Output at port 1: 90 mV

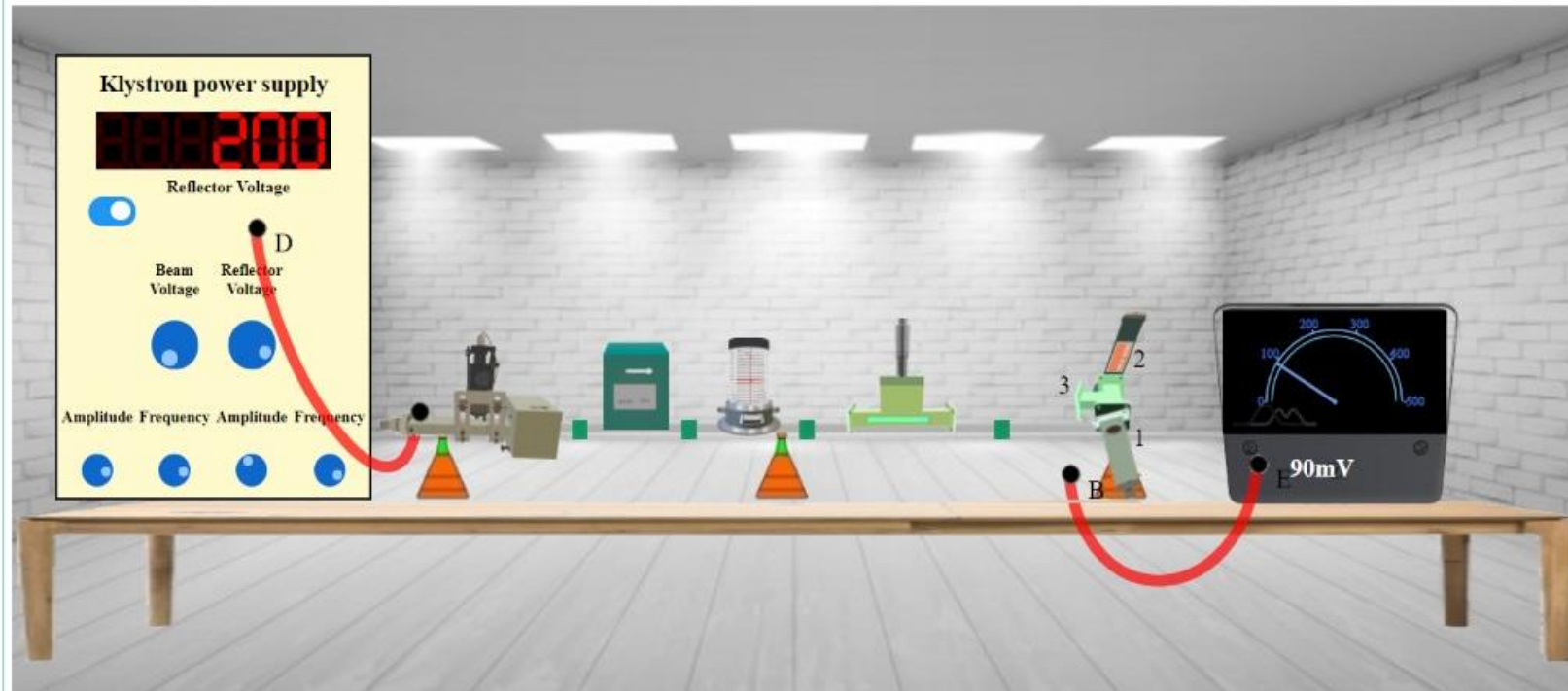
Beam Voltage: 270

Reflector Voltage: 200

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Basic properties of E-plane Tee, H-plane Tee and Magic Tee

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Basic characteristics of H-Plane Tee : when Input is at Port 3 and Output is at Port 2

READINGS

Click on Add to table to add on the value for output at port 2.

Output at port 1:	90	mV
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Output at port 2:	106	mV
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Note down the voltage displayed in millivoltmeter.

Output at port 2:	106	mV
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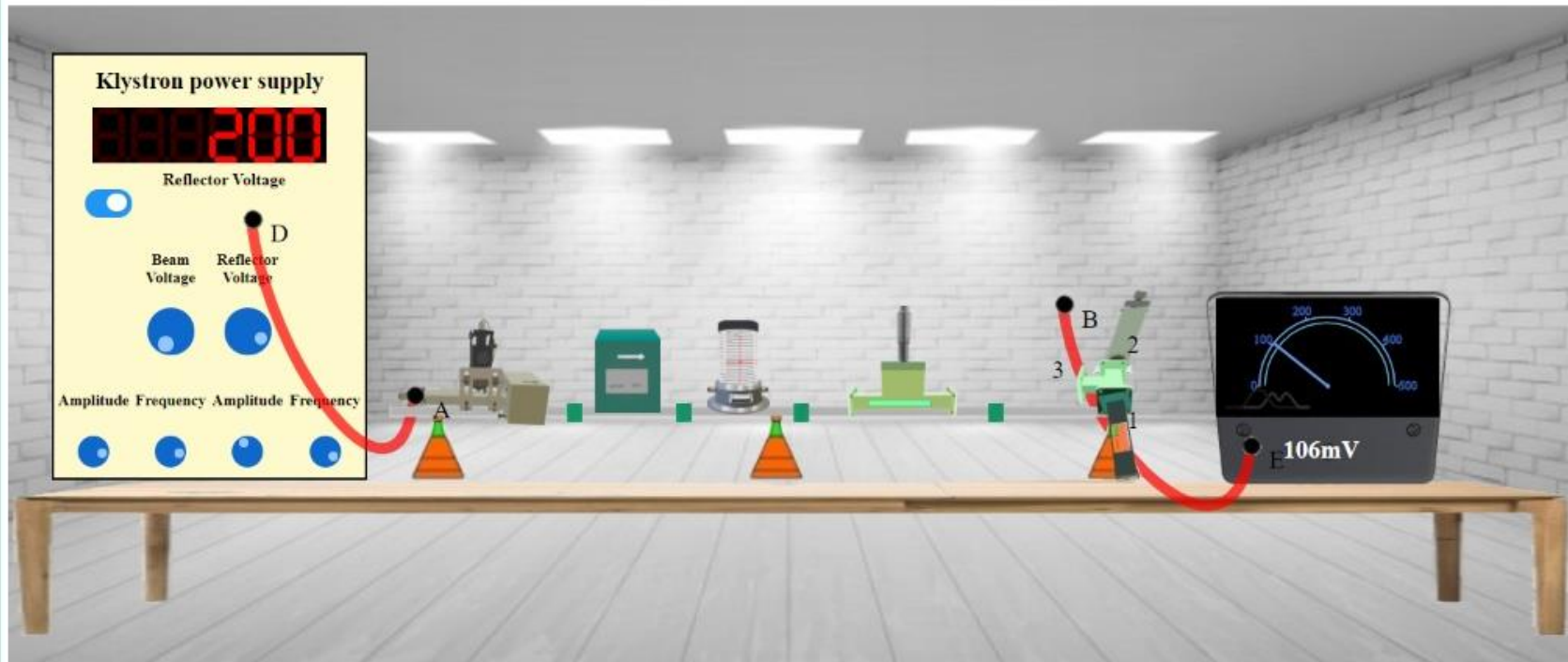
Beam Voltage:	270
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Reflector Voltage:	200
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Basic properties of E-plane Tee, H-plane Tee and Magic Tee

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Magic Tee

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Basic characteristics of Magic Tee : when Input is at Port 4 and Output is at Port 1

READINGS

Click on Add to table to add on the value for output at port 1.

Output at port 1:	129	mV
Output at port 2:		mV
Output at port 3:		mV

Note down the voltage displayed in millivoltmeter.

Output at port 1:	129	mV
Beam Voltage:	270	
Reflector Voltage:	200	

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Basic properties of E-plane Tee, H-plane Tee and Magic Tee

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Basic characteristics of Magic Tee : when Input is at Port 4 and Output is at Port 2

READINGS

Click on Add to table to add on the value for output at port 2.

Output at port 1:	129	mV
Output at port 2:	127	mV
Output at port 3:		mV

Note down the voltage displayed in millivoltmeter.

Output at port 2:	127	mV
Beam Voltage:	270	
Reflector Voltage:	200	

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Basic properties of E-plane Tee, H-plane Tee and Magic Tee

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Basic characteristics of Magic Tee : when Input is at Port 4 and Output is at Port 3

READINGS

Click on Add to table to add on the value for output at port 3.

Output at port 1: 129 mV

Output at port 2: 127 mV

Output at port 3: 2 mV

Note down the voltage displayed in millivoltmeter.

Output at port 3: 2 mV

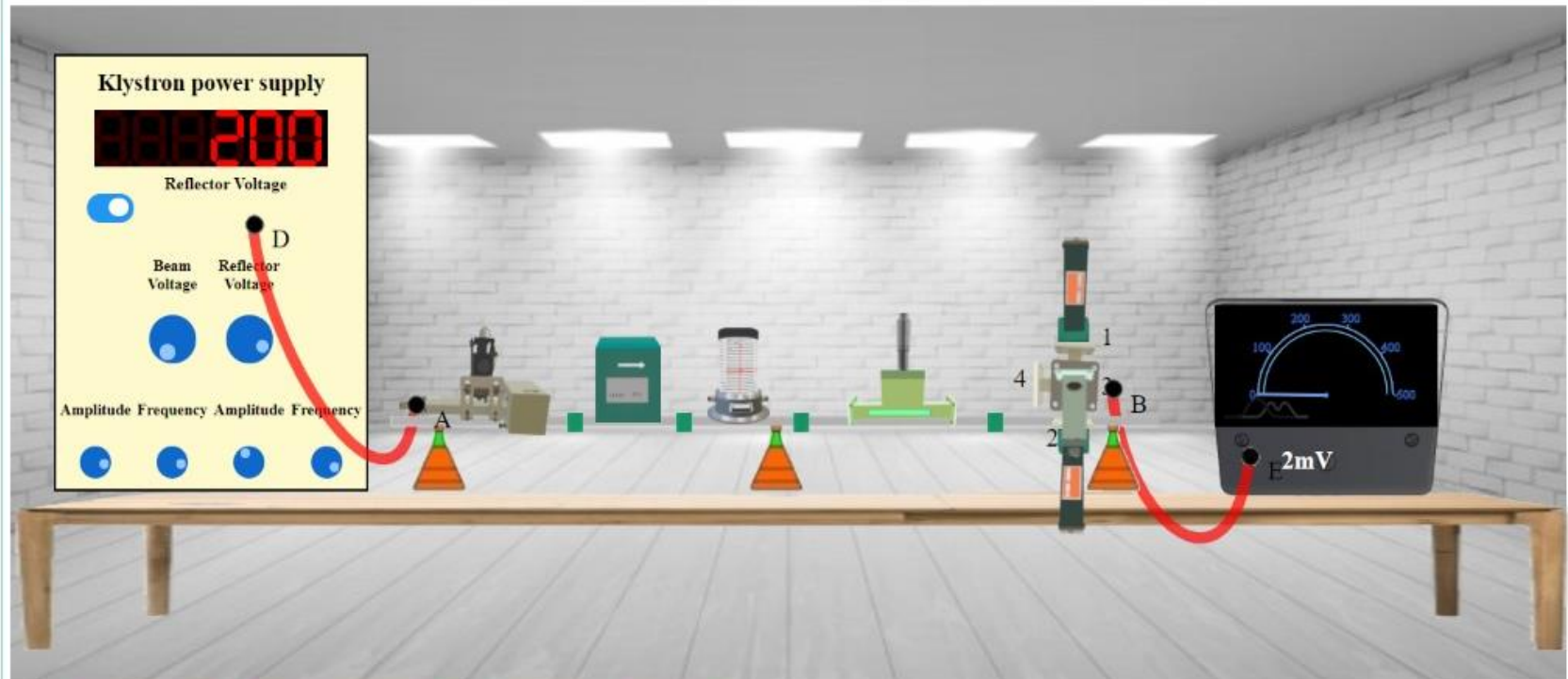
Beam Voltage: 270

Reflector Voltage: 200

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Basic properties of E-plane Tee, H-plane Tee and Magic Tee

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Basic characteristics of Magic Tee : when Input is at Port 3 and Output is at Port 1

READINGS

Click on Add to table to add on the value for output at port 1.

Output at port 1: 127 mV

Output at port 2: mV

Output at port 4: mV

Note down the voltage displayed in millivoltmeter.

Output at port 1: 127 mV

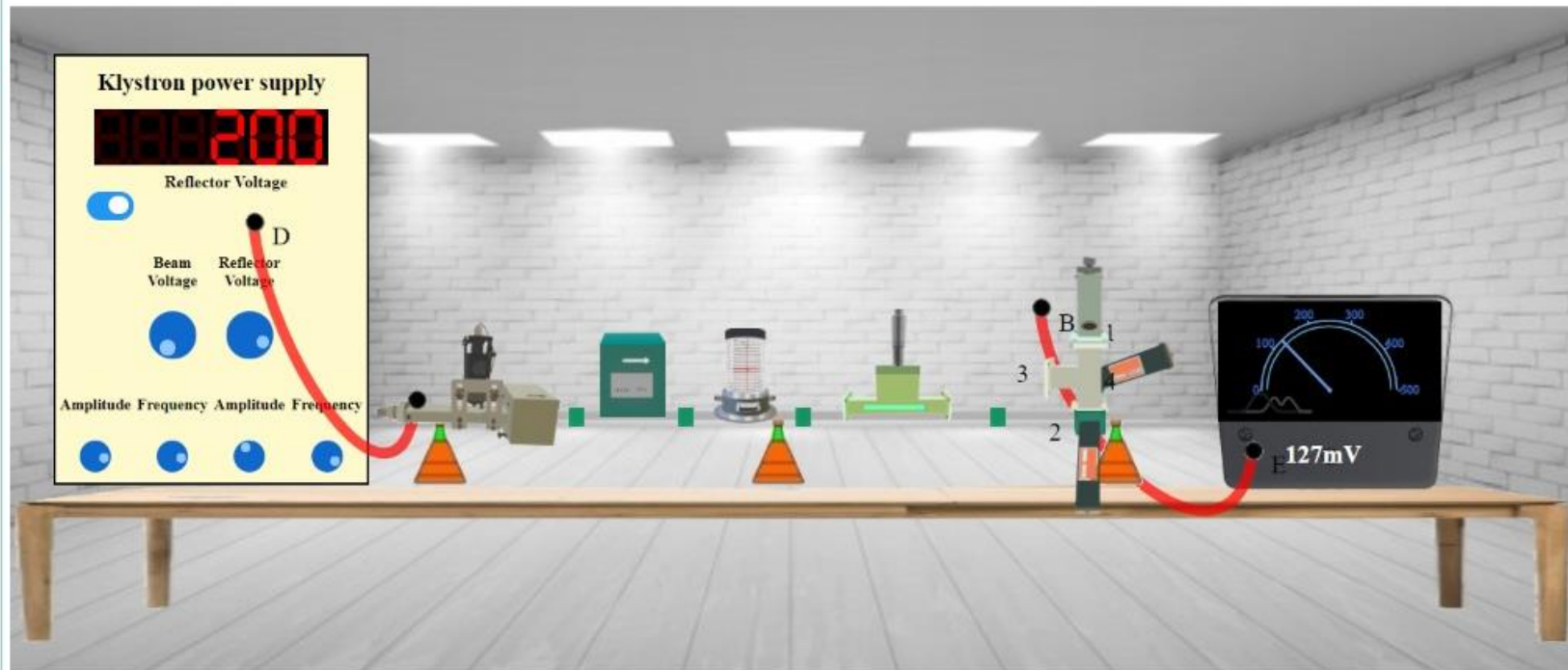
Beam Voltage: 270

Reflector Voltage: 200

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Basic properties of E-plane Tee, H-plane Tee and Magic Tee

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Basic characteristics of Magic Tee : when Input is at Port 4 and Output is at Port 2

READINGS

Click on Add to table to add on the value for output at port 2.

Output at port 1: 127 mV

Output at port 2: 117 mV

Output at port 4: mV

Note down the voltage displayed in millivoltmeter.

Output at port 2: 117 mV

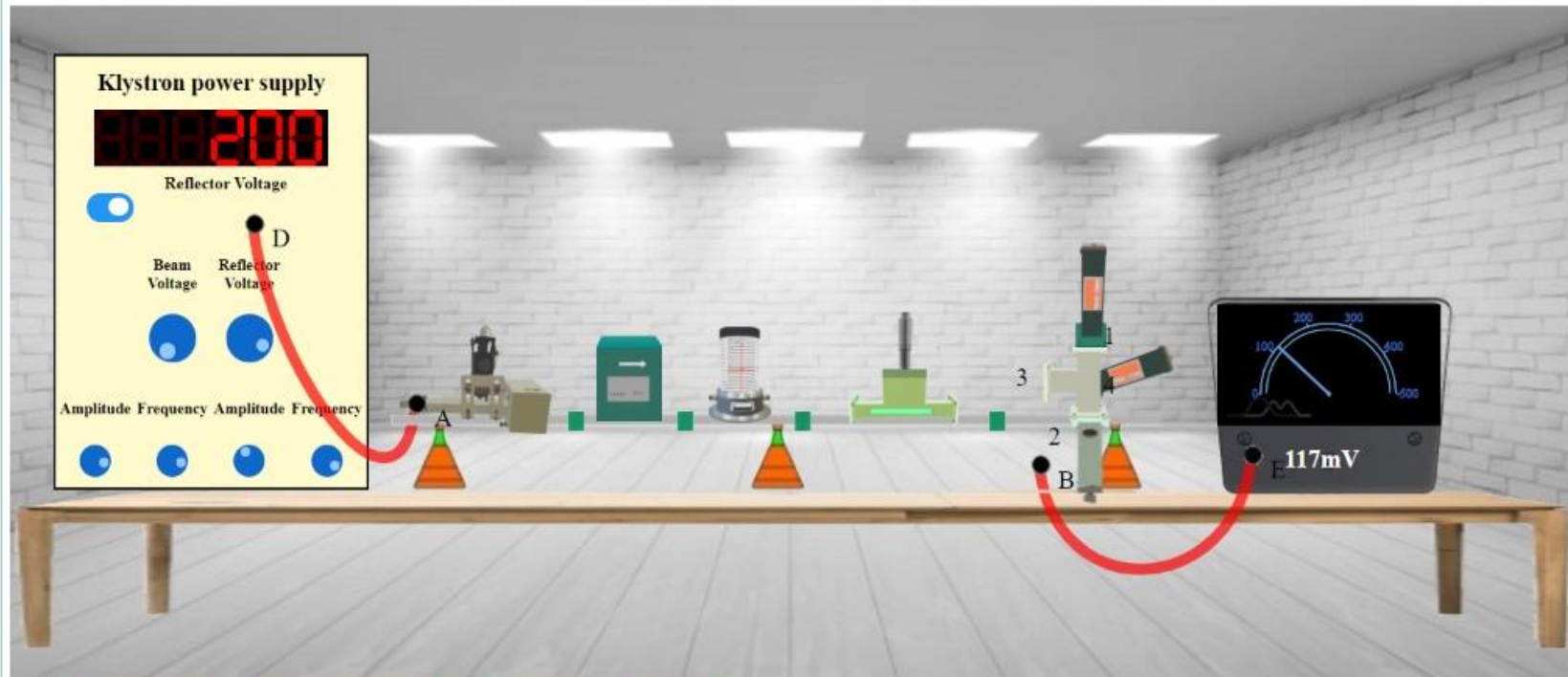
Beam Voltage: 270

Reflector Voltage: 200

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Basic characteristics of Magic Tee : when Input is at Port 4 and Output is at Port 3

READINGS

Click on Add to table to add on the value for output at port 4.

Output at port 1: 127 mV

Output at port 2: 117 mV

Output at port 4: 1 mV

Note down the voltage displayed in millivoltmeter.

Output at port 4: 1 mV

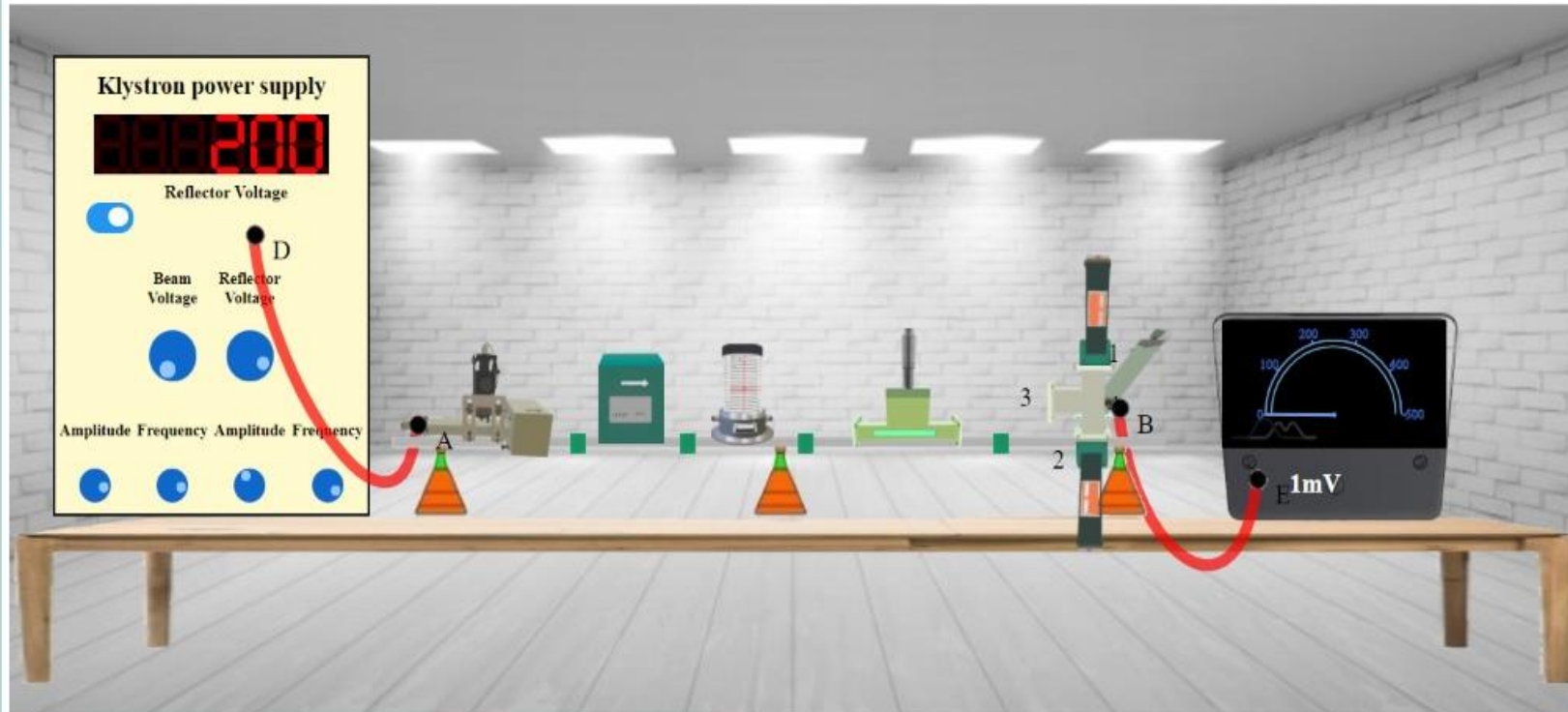
Beam Voltage: 282

Reflector Voltage: 200

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Basic properties of E-plane Tee, H-plane Tee and Magic Tee

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